

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000037.D
 Acq On : 13 Sep 2019 11:17
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 13 12:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	127173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	247760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	211425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	88322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	71273	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
35) Dibromofluoromethane	7.72	113	72243	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.18	98	296629	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.48	95	101551	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4275	4.558	ug/l	97
3) Chloromethane	2.11	50	10288	1.057	ug/l	91
4) Vinyl Chloride	2.25	62	5347	3.760	ug/l #	87
5) Bromomethane	2.64	94	4361	3.908	ug/l	91
6) Chloroethane	2.78	64	3077	3.250	ug/l	98
7) Trichlorofluoromethane	3.12	101	7846	4.246	ug/l #	78
8) Diethyl Ether	3.53	74	2946	3.879	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4817	3.831	ug/l	92
10) Methyl Iodide	4.09	142	3810	2.771	ug/l #	90
11) Tert butyl alcohol	4.95	59	2271	13.039	ug/l #	90
12) 1,1-Dichloroethene	3.87	96	4499	3.839	ug/l	88
13) Acrolein	3.73	56	2407	Below Cal		95
14) Allyl chloride	4.48	41	7291	4.007	ug/l	95
15) Acrylonitrile	5.17	53	8348	17.325	ug/l	93
16) Acetone	3.95	43	6500	17.111	ug/l #	80
17) Carbon Disulfide	4.19	76	10204	2.601	ug/l	99
18) Methyl Acetate	4.48	43	4381	4.099	ug/l	92
19) Methyl tert-butyl Ether	5.21	73	12494	3.520	ug/l	95
20) Methylene Chloride	4.70	84	7453	1.902	ug/l	89
21) trans-1,2-Dichloroethene	5.22	96	4664	3.594	ug/l	95
22) Diisopropyl ether	6.12	45	14137	3.519	ug/l	98
23) Vinyl Acetate	6.07	43	44557	16.034	ug/l #	92
24) 1,1-Dichloroethane	6.01	63	8207	3.448	ug/l	99
25) 2-Butanone	6.99	43	10776	17.454	ug/l	99
26) 2,2-Dichloropropane	6.98	77	9691	4.382	ug/l	89
27) cis-1,2-Dichloroethene	6.99	96	5274	3.221	ug/l	66
28) Bromochloromethane	7.34	49	3665	3.352	ug/l #	93
29) Tetrahydrofuran	7.36	42	6185	16.840	ug/l #	83
30) Chloroform	7.51	83	8712	3.549	ug/l	90
31) Cyclohexane	7.78	56	10359	2.449	ug/l #	59
32) 1,1,1-Trichloroethane	7.69	97	7432	3.691	ug/l	96
36) 1,1-Dichloropropene	7.92	75	6899	3.793	ug/l	98
37) Ethyl Acetate	7.08	43	4300	3.505	ug/l #	90
38) Carbon Tetrachloride	7.90	117	5796	3.375	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	7686	3.420	ug/l #	86
40) Benzene	8.16	78	20478	3.458	ug/l	100
41) Methacrylonitrile	7.31	41	1268	1.777	ug/l #	31
42) 1,2-Dichloroethane	8.24	62	5177	3.420	ug/l	98
43) Isopropyl Acetate	8.27	43	7997	3.364	ug/l	93
44) Trichloroethene	8.94	130	5448	3.684	ug/l	91
45) 1,2-Dichloropropane	9.22	63	5147	3.370	ug/l	100
46) Dibromomethane	9.30	93	3231	3.812	ug/l	89
47) Bromodichloromethane	9.50	83	6624	3.274	ug/l #	75
48) Methyl methacrylate	9.29	41	3788	3.611	ug/l	93
49) 1,4-Dioxane	9.29	88	993	55.946	ug/l #	70
51) 4-Methyl-2-Pentanone	10.07	43	20959	15.735	ug/l	99
52) Toluene	10.24	92	12125	3.258	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	6798	3.196	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	8011	3.236	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	4002	2.980	ug/l #	89
56) Ethyl methacrylate	10.51	69	5946	3.155	ug/l	96
57) 1,3-Dichloropropane	10.79	76	7067	3.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	16093	15.587	ug/l	90
59) 2-Hexanone	10.84	43	14698	15.313	ug/l	100
60) Dibromochloromethane	10.98	129	3891	2.749	ug/l	87
61) 1,2-Dibromoethane	11.09	107	4013	3.383	ug/l	93
64) Tetrachloroethene	10.72	164	4244	3.273	ug/l	93
65) Chlorobenzene	11.51	112	13606	3.377	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4347	3.114	ug/l	98
67) Ethyl Benzene	11.59	91	23831	3.256	ug/l	99
68) m/p-Xylenes	11.69	106	18089	6.550	ug/l	99
69) o-Xylene	12.02	106	8544	3.156	ug/l	98
70) Styrene	12.04	104	15509	3.294	ug/l	97
71) Bromoform	12.20	173	2295	2.723	ug/l #	92
73) Isopropylbenzene	12.32	105	22977	3.405	ug/l	99
74) N-amyl acetate	12.14	43	5775	2.899	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	5700	3.533	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	6807	5.549	ug/l #	100
77) Bromobenzene	12.60	156	5190	3.636	ug/l	89
78) n-propylbenzene	12.66	91	28201	3.419	ug/l	99
79) 2-Chlorotoluene	12.75	91	15390	3.337	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	19187	3.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2224	3.596	ug/l	85
82) 4-Chlorotoluene	12.85	91	15638	3.231	ug/l	96
83) tert-Butylbenzene	13.07	119	16685	3.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	18475	3.319	ug/l	99
85) sec-Butylbenzene	13.25	105	23753	3.324	ug/l	100
86) p-Isopropyltoluene	13.37	119	20208	3.334	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	9697	3.375	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	9428	3.261	ug/l	86
89) n-Butylbenzene	13.69	91	20309	3.306	ug/l	98
90) Hexachloroethane	13.95	117	3961	3.270	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	7801	2.918	ug/l	88
93) 1,2,4-Trichlorobenzene	15.00	180	5539	3.247	ug/l	91

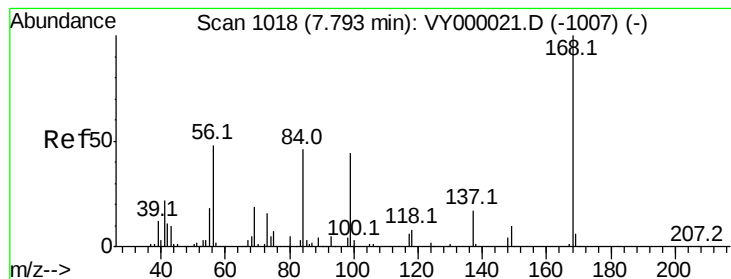
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.10	225	2482	3.172	ug/l	91
95) Naphthalene	15.23	128	14016	3.003	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.41	180	4554	2.973	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

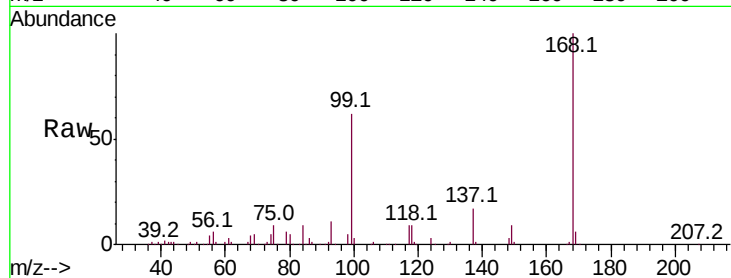
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 127173

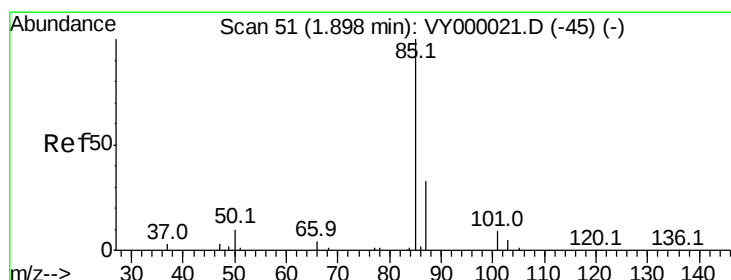
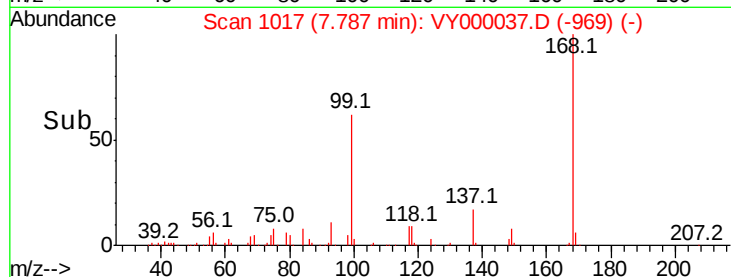
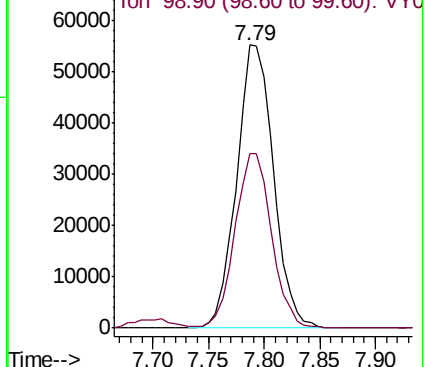
Ion Ratio Lower Upper

168 100

99 61.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000037.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 4.558 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000037.D

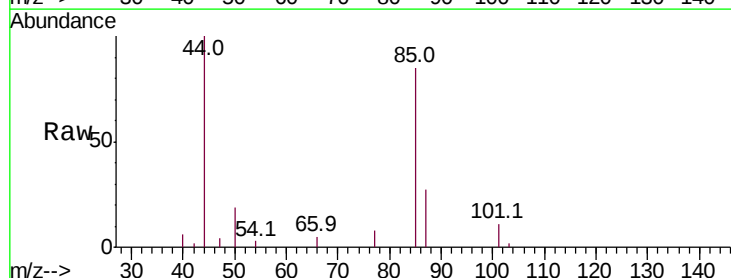
Acq: 13 Sep 2019 11:17

Tgt Ion: 85 Resp: 4275

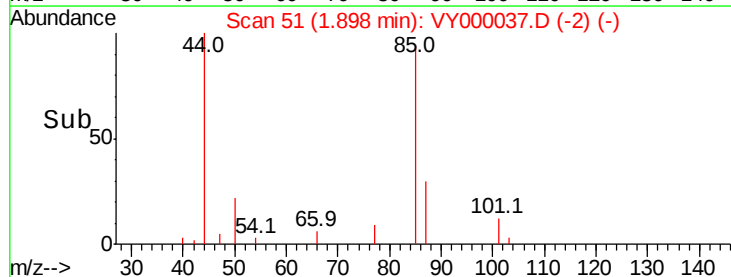
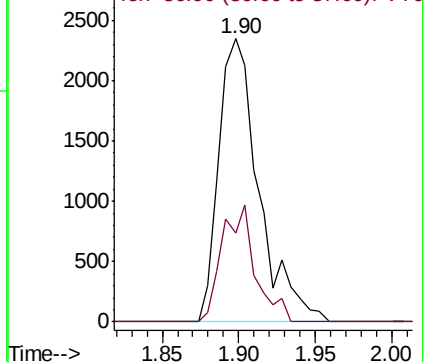
Ion Ratio Lower Upper

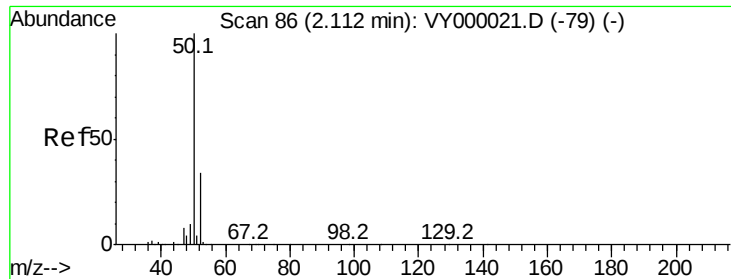
85 100

87 31.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000037.D (-2) (-)





#3

Chloromethane

Concen: 1.057 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

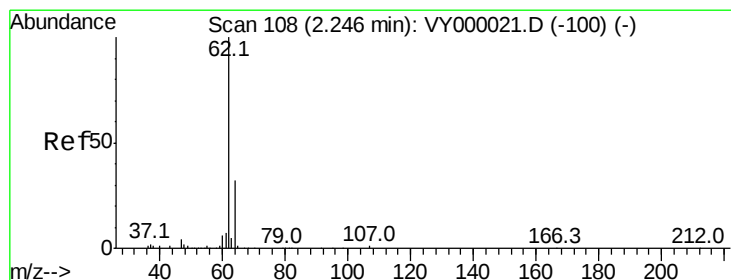
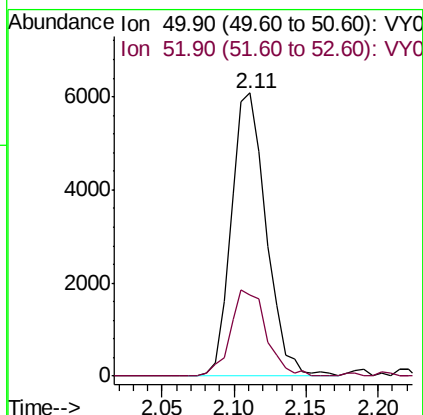
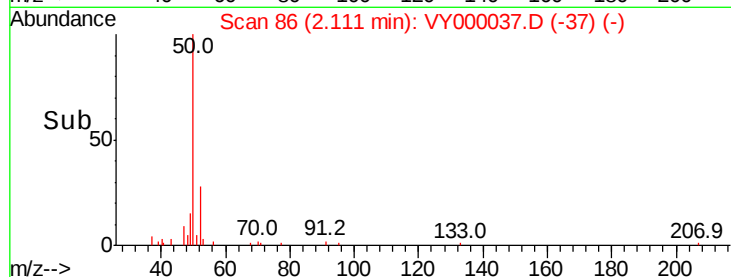
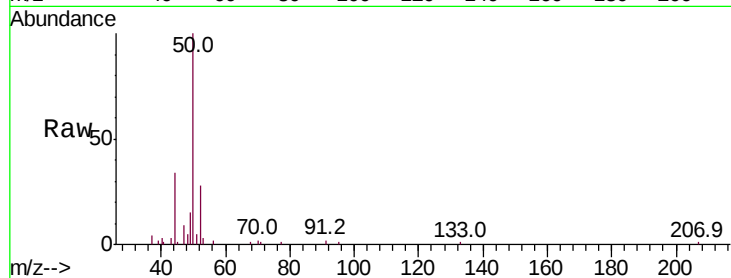
ClientSampleId :

Tot Ion: 50 Resp: 10288

Ion Ratio Lower Upper

50 100

52 28.5 27.0 40.6



#4

Vinyl Chloride

Concen: 3.760 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000037.D

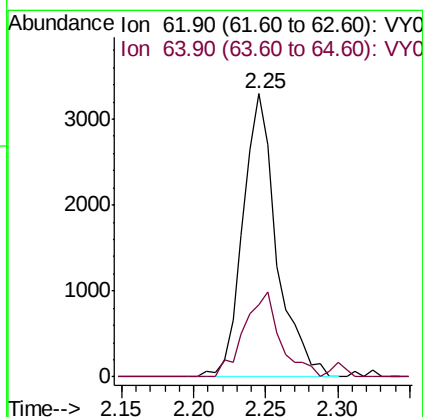
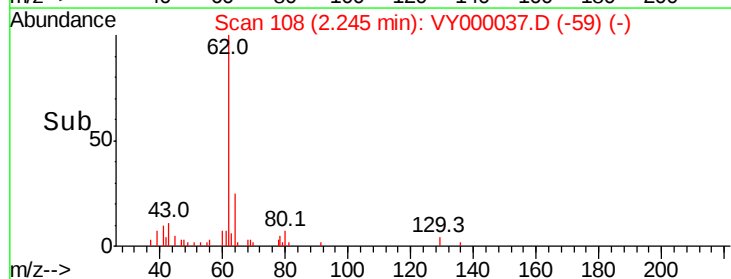
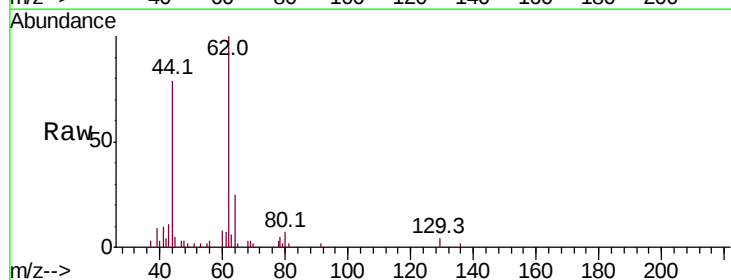
Acq: 13 Sep 2019 11:17

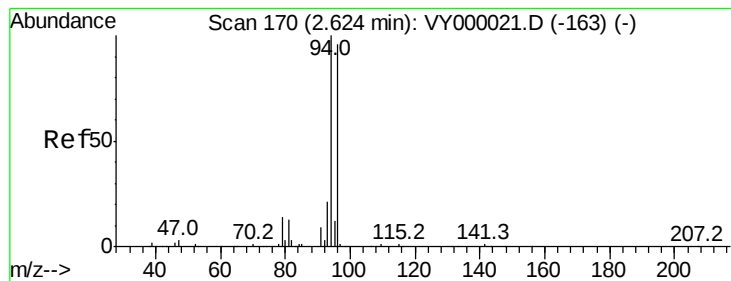
Tgt Ion: 62 Resp: 5347

Ion Ratio Lower Upper

62 100

64 25.3 26.1 39.1#





#5

Bromomethane

Concen: 3.908 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

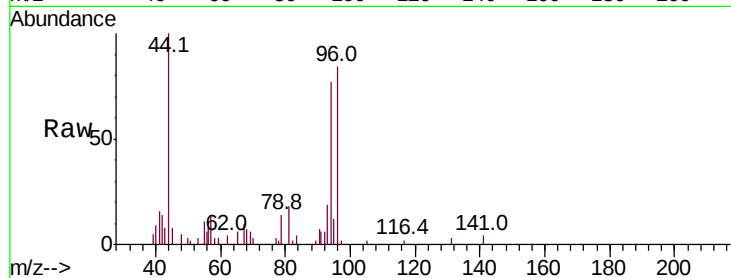
ClientSampleId :

Tot Ion: 94 Resp: 4361

Ion Ratio Lower Upper

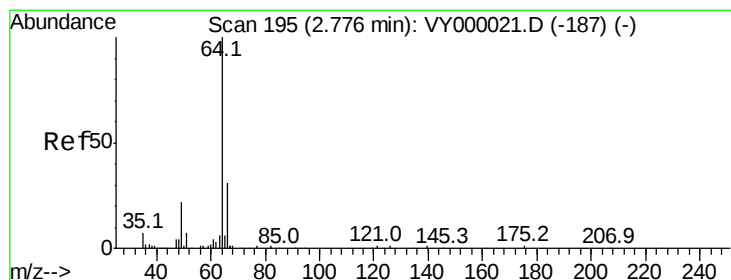
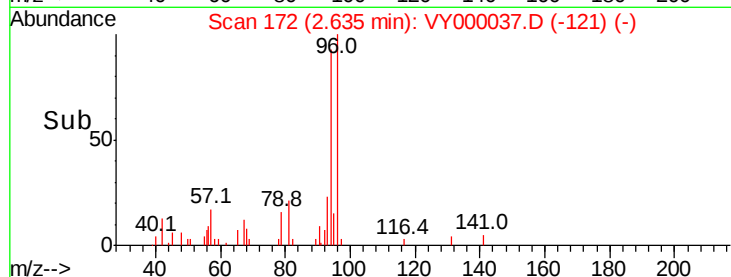
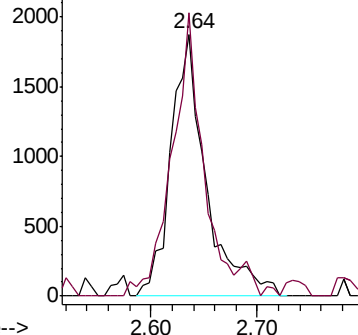
94 100

96 104.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 3.250 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000037.D

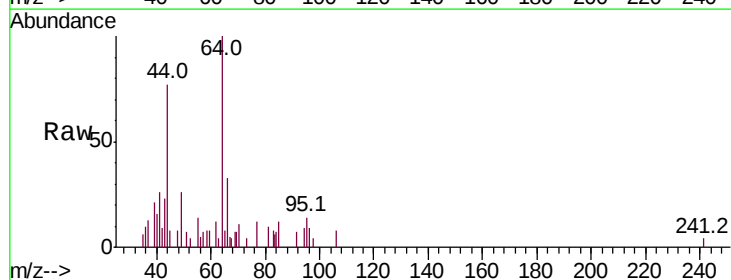
Acq: 13 Sep 2019 11:17

Tgt Ion: 64 Resp: 3077

Ion Ratio Lower Upper

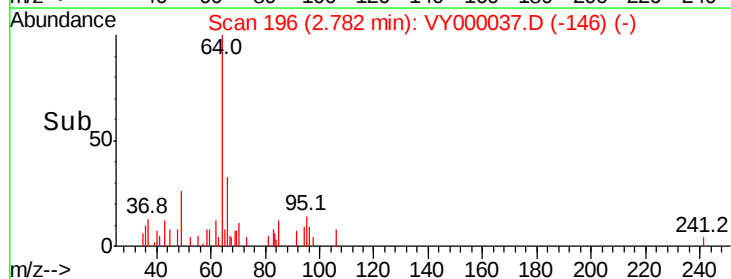
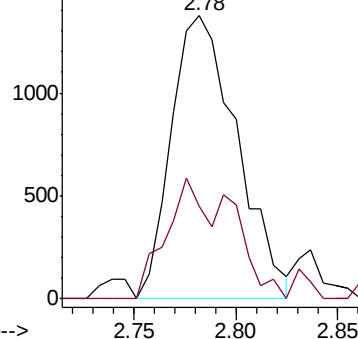
64 100

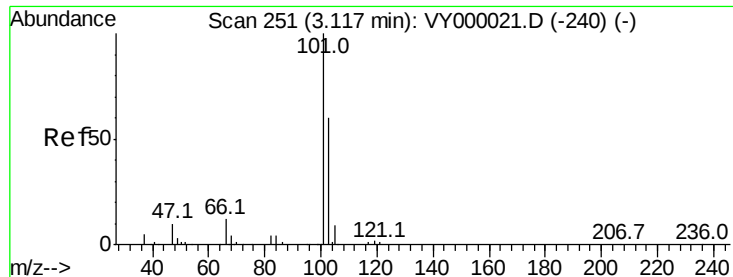
66 32.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



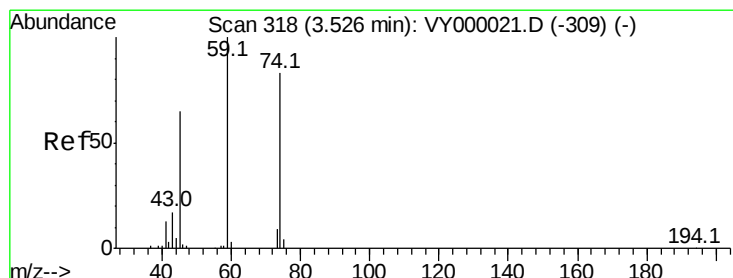
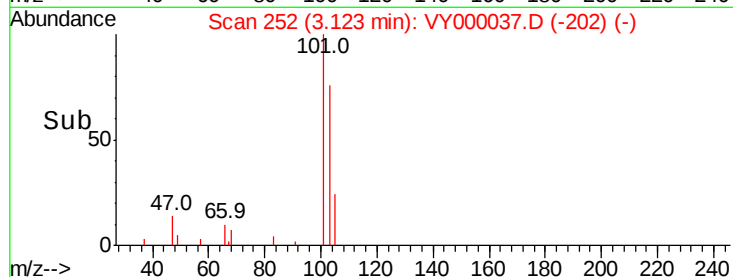
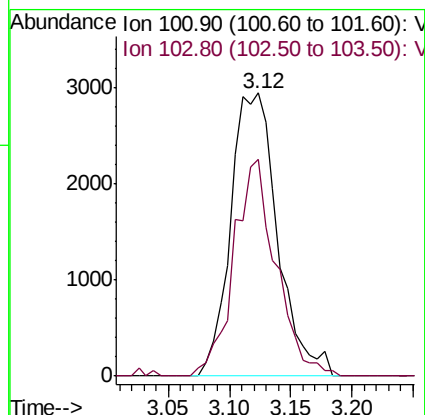
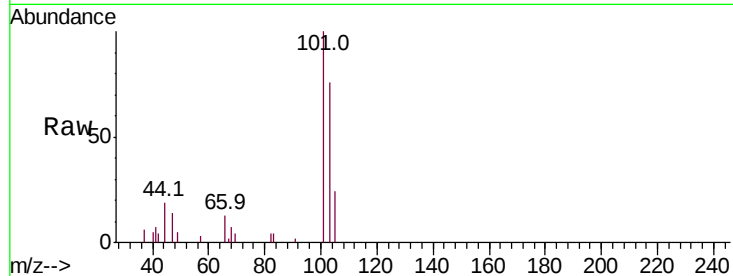


#7

Trichlorofluoromethane
Concen: 4.246 ug/l
RT: 3.12 min Scan# 252
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Instrument :
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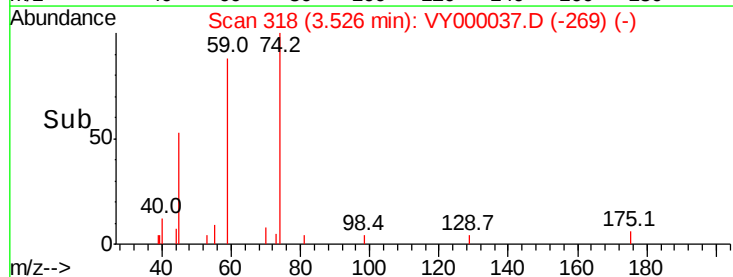
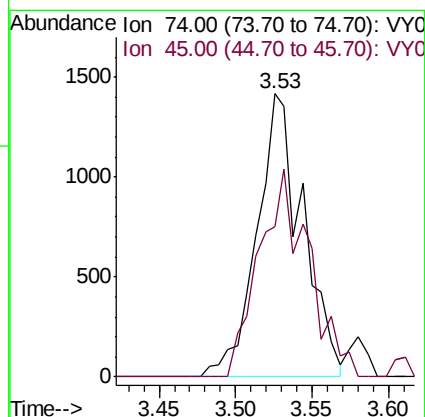
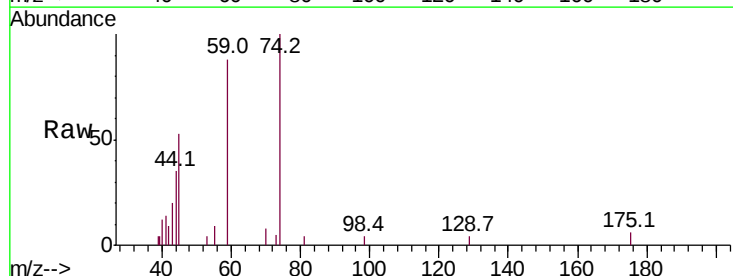
Tot Ion:101 Resp: 7846
Ion Ratio Lower Upper
101 100
103 76.5 48.1 72.1#

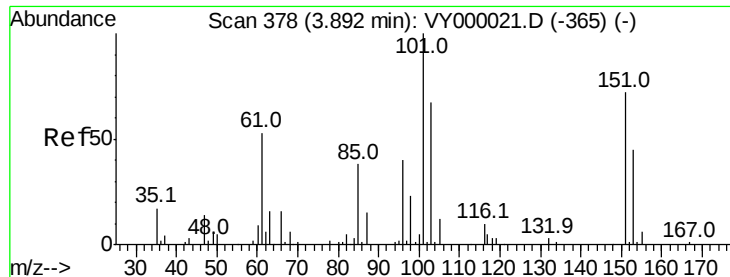


#8

Diethyl Ether
Concen: 3.879 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 74 Resp: 2946
Ion Ratio Lower Upper
74 100
45 79.4 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.831 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

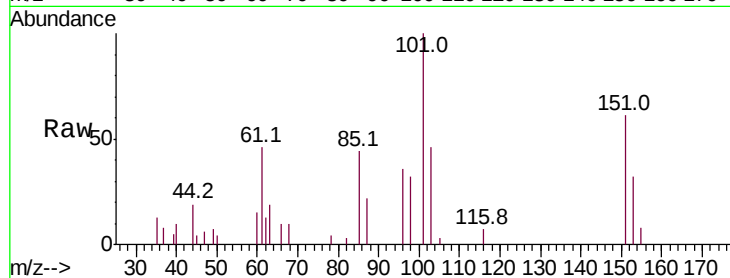
Tot Ion:101 Resp: 4817

Ion Ratio Lower Upper

101 100

85 47.8 35.3 52.9

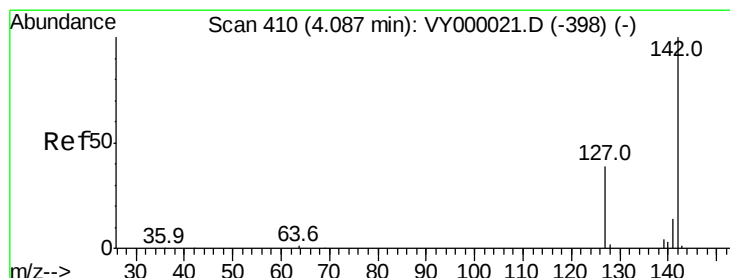
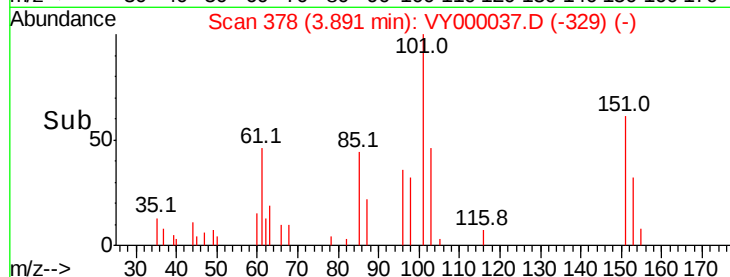
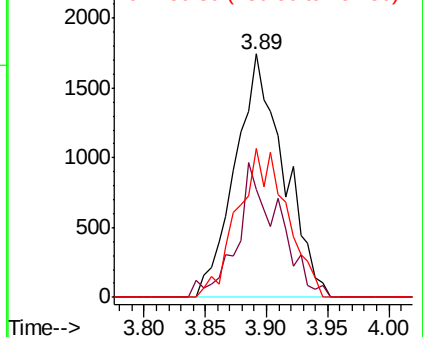
151 61.7 55.9 83.9



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: 2.771 ug/l

RT: 4.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

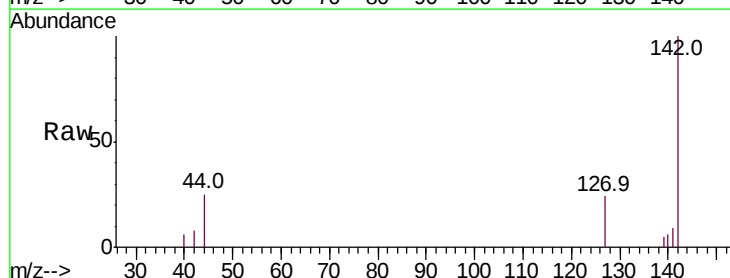
Tgt Ion:142 Resp: 3810

Ion Ratio Lower Upper

142 100

127 35.6 31.4 47.2

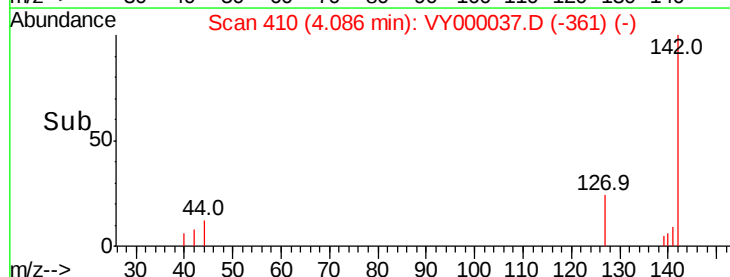
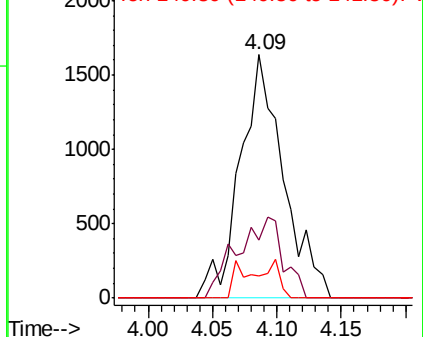
141 4.7 10.6 16.0#

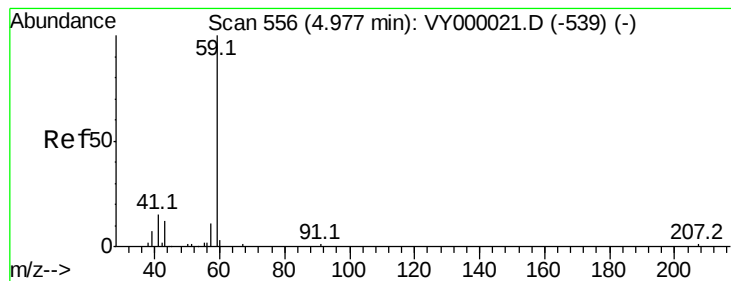


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



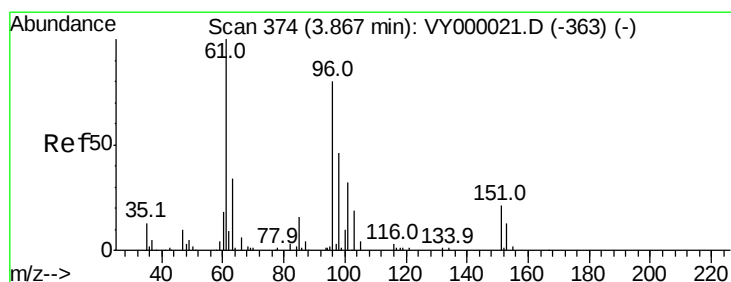
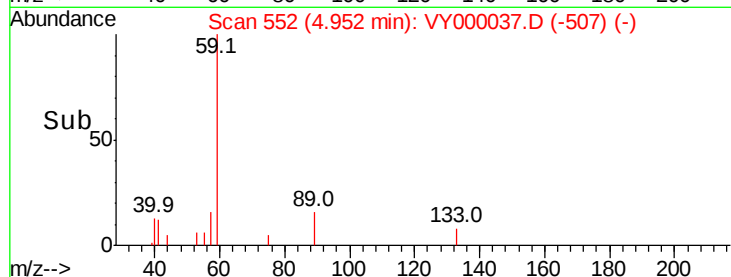
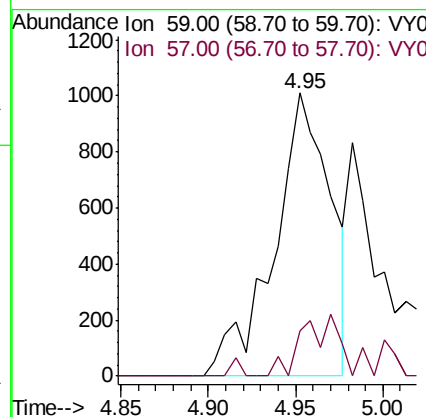
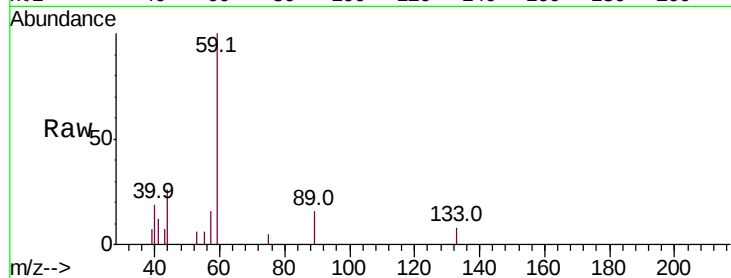


#11

Tert butyl alcohol
 Concen: 13.039 ug/l
 RT: 4.95 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Instrument :
 MSVOA_Y
 ClientSampleId :

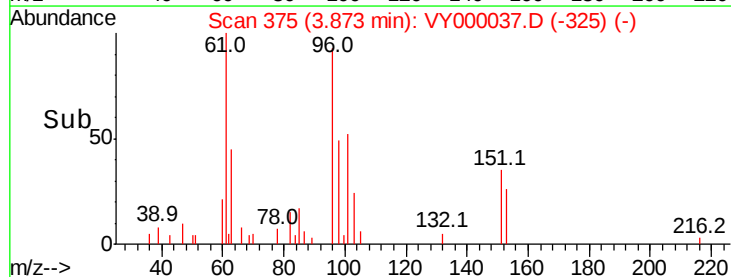
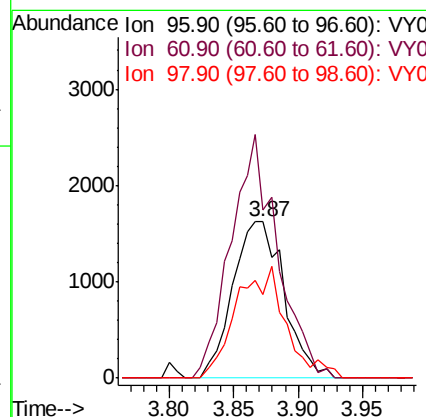
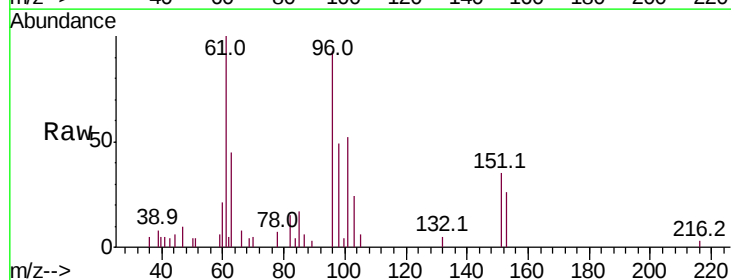
Tot Ion: 59 Resp: 2271
 Ion Ratio Lower Upper
 59 100
 57 14.1 8.3 12.5#

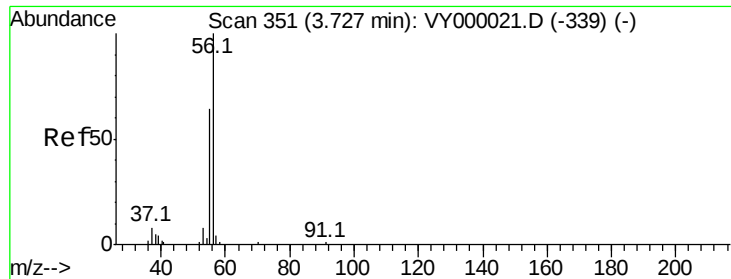


#12

1,1-Dichloroethene
 Concen: 3.839 ug/l
 RT: 3.87 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion: 96 Resp: 4499
 Ion Ratio Lower Upper
 96 100
 61 107.8 99.8 149.6
 98 53.1 46.3 69.5





#13

Acrolein

Concen: Below Cal

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

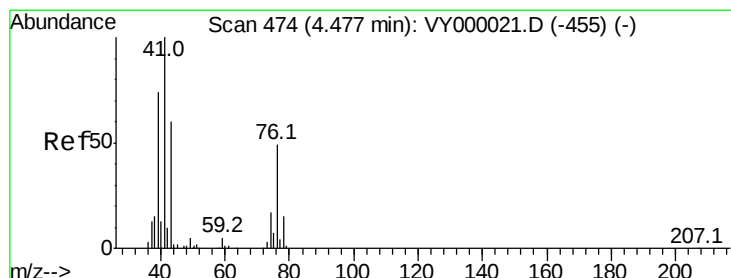
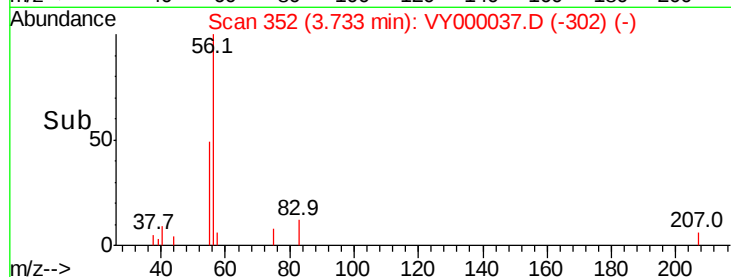
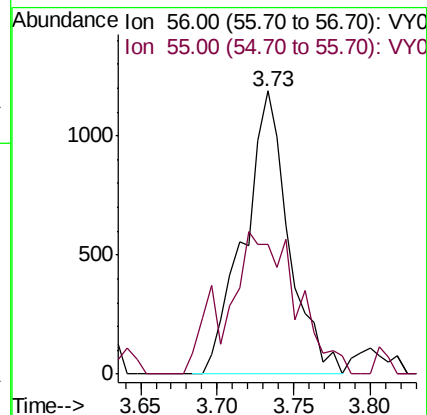
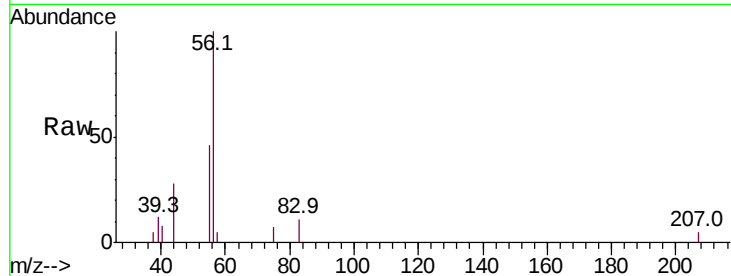
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 2407

Ion Ratio Lower Upper

56 100

55 66.5 56.7 85.1



#14

Allyl chloride

Concen: 4.007 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

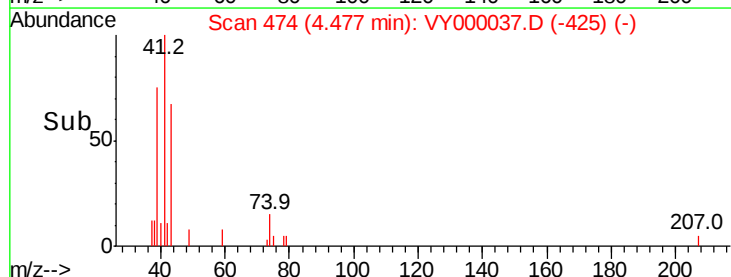
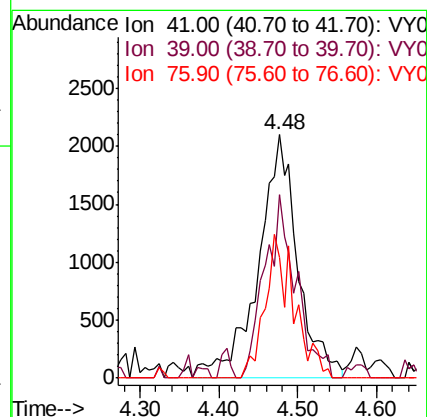
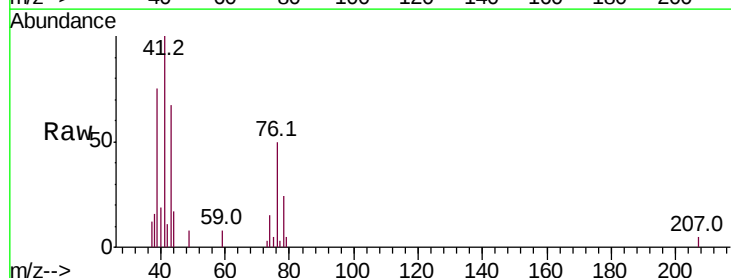
Tgt Ion: 41 Resp: 7291

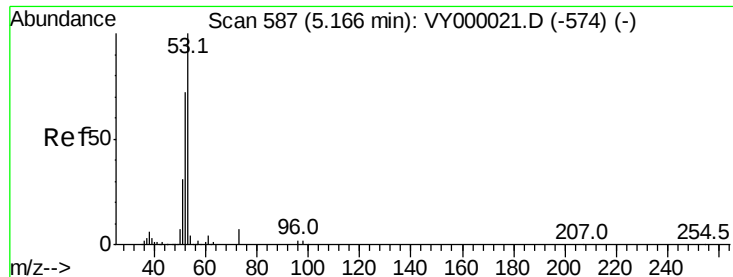
Ion Ratio Lower Upper

41 100

39 59.6 53.1 79.7

76 43.5 34.9 52.3





#15

Acrylonitrile

Concen: 17.325 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :
MSVOA_Y
ClientSampleId :

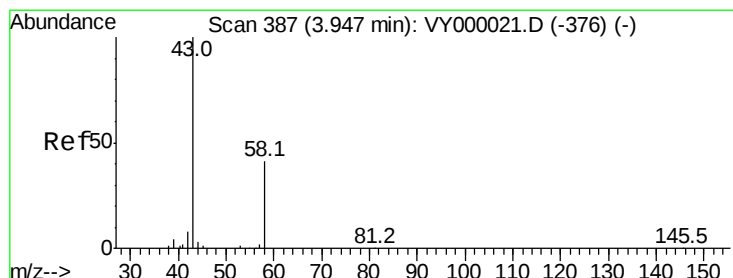
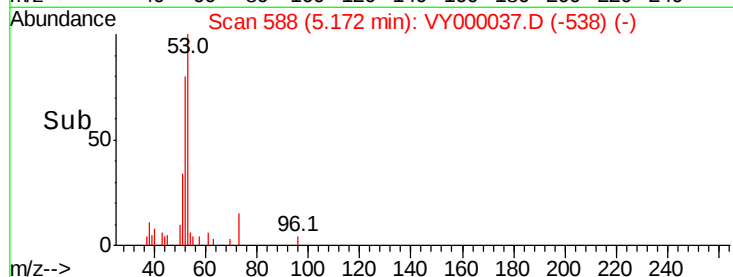
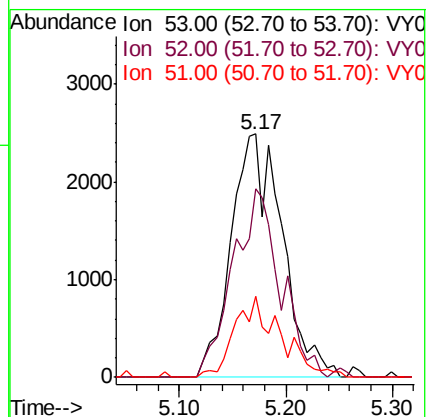
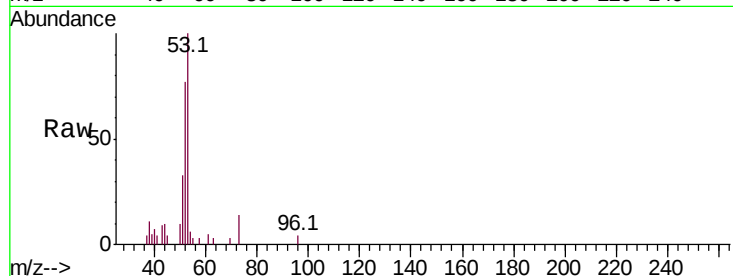
Tot Ion: 53 Resp: 8348

Ion Ratio Lower Upper

53 100

52 72.0 62.8 94.2

51 30.0 26.6 40.0



#16

Acetone

Concen: 17.111 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000037.D

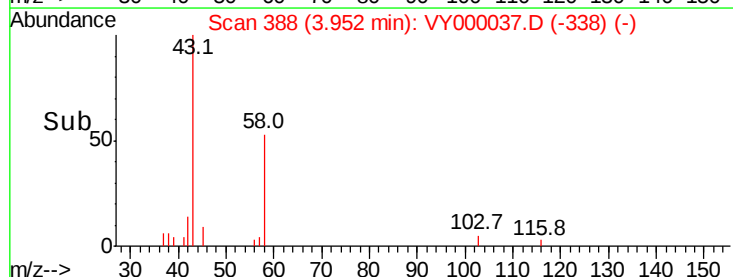
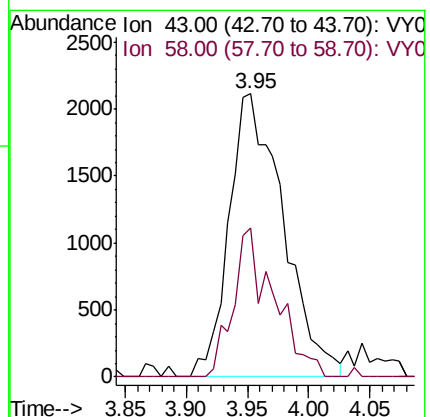
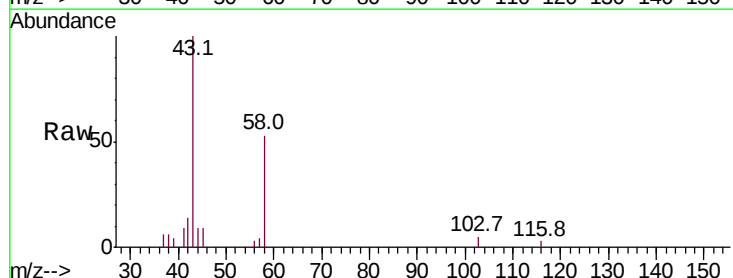
Acq: 13 Sep 2019 11:17

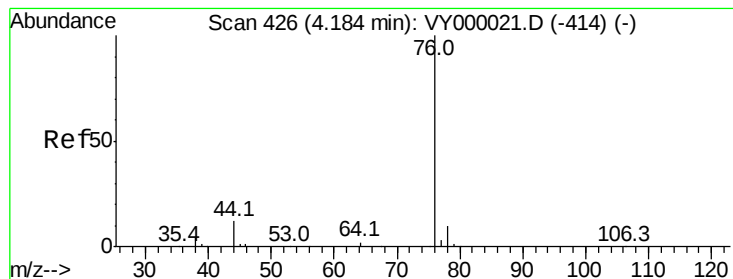
Tgt Ion: 43 Resp: 6500

Ion Ratio Lower Upper

43 100

58 52.8 32.5 48.7#





#17

Carbon Disulfide

Concen: 2.601 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

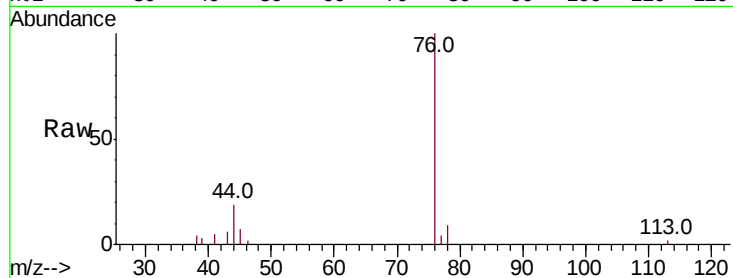
ClientSampled :

Tot Ion: 76 Resp: 10204

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

4000

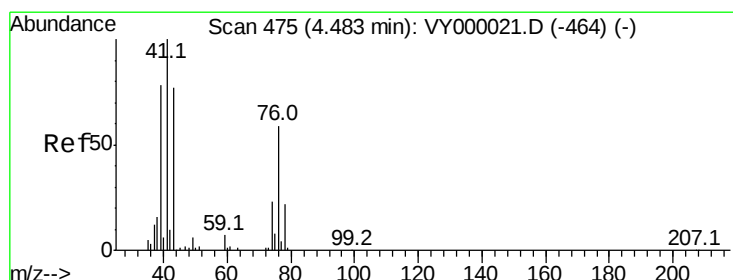
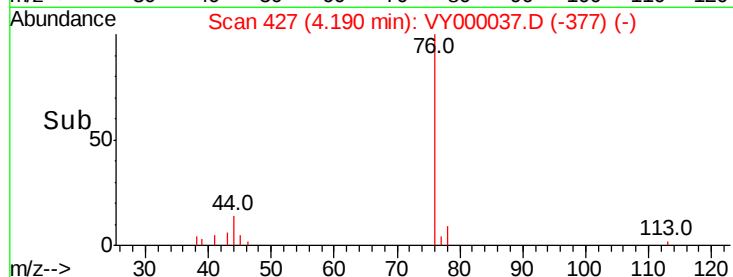
3000

2000

1000

0

Time-->



#18

Methyl Acetate

Concen: 4.099 ug/l

RT: 4.48 min Scan# 475

Delta R.T. -0.00 min

Lab File: VY000037.D

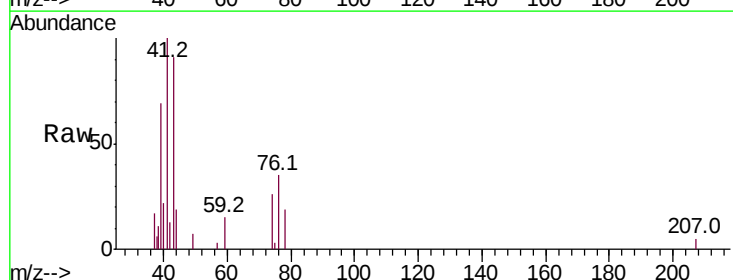
Acq: 13 Sep 2019 11:17

Tgt Ion: 43 Resp: 4381

Ion Ratio Lower Upper

43 100

74 31.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

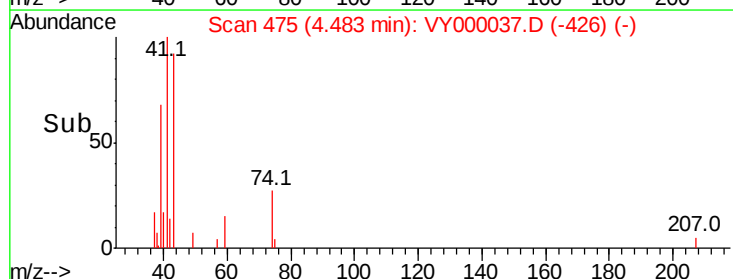
1500

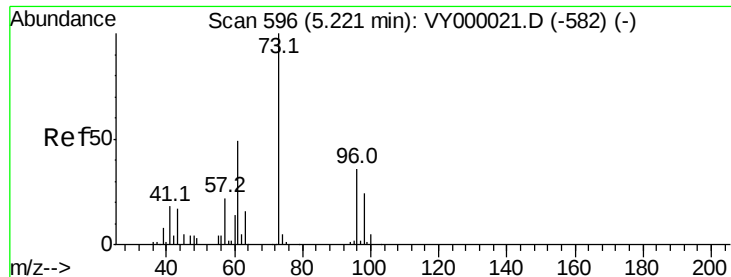
1000

500

0

Time-->

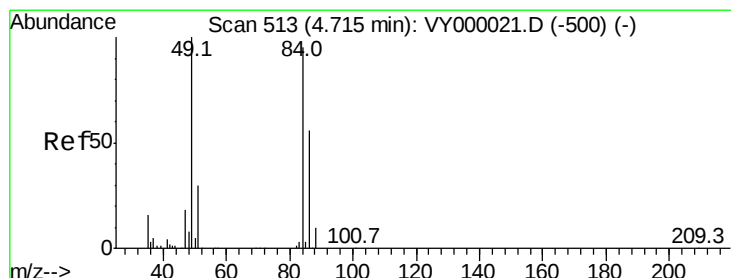
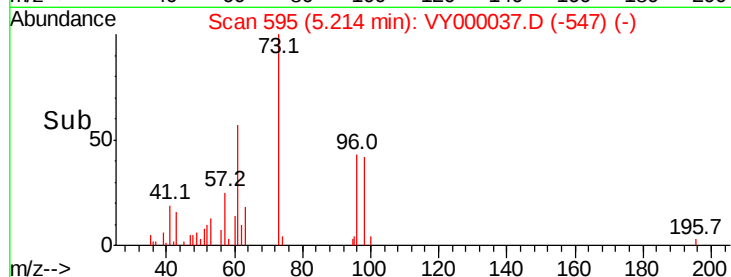
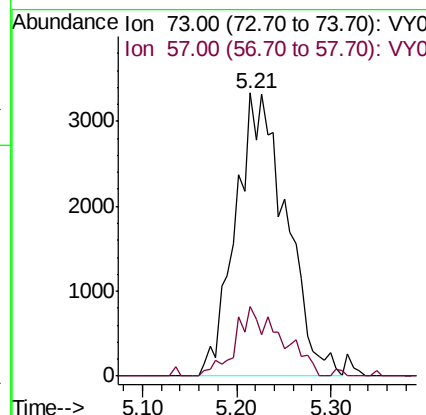
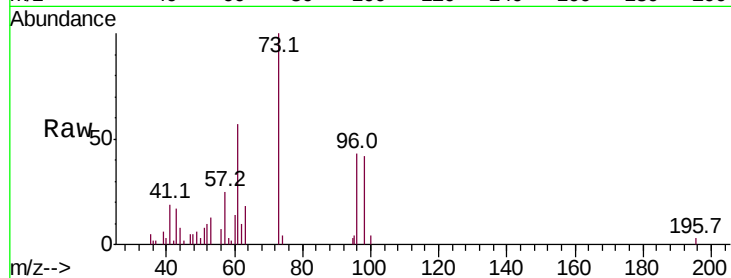




#19
Methvl tert-butvl Ether
Concen: 3.520 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

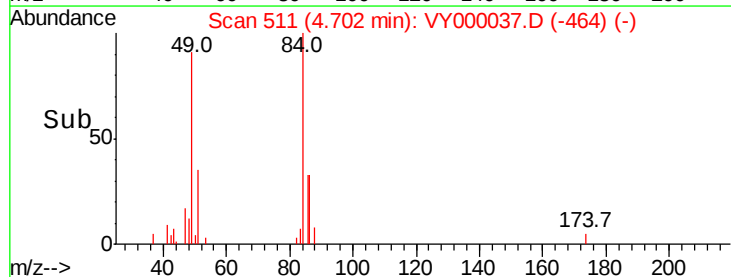
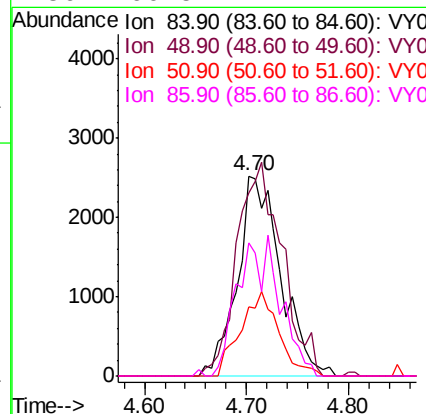
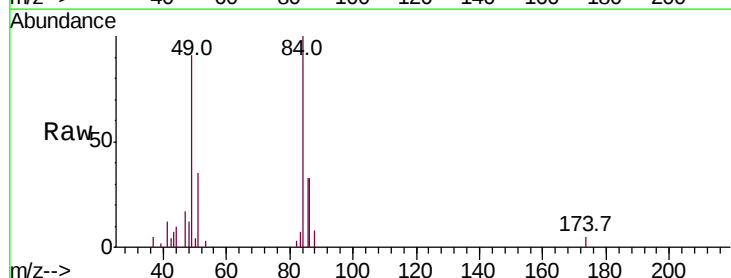
Instrument :
MSVOA_Y
ClientSampleId :

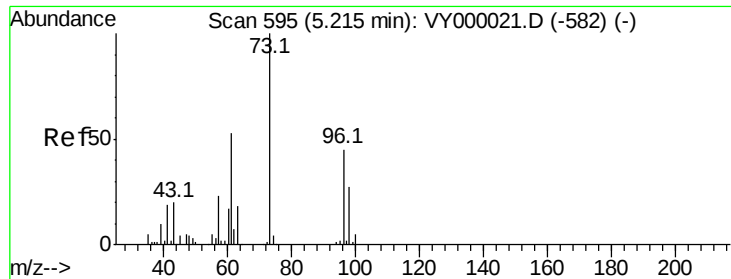
Tot Ion: 73 Resp: 12494
Ion Ratio Lower Upper
73 100
57 24.5 17.8 26.8



#20
Methylene Chloride
Concen: 1.902 ug/l
RT: 4.70 min Scan# 511
Delta R.T. -0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 84 Resp: 7453
Ion Ratio Lower Upper
84 100
49 91.4 84.4 126.6
51 34.8 25.4 38.0
86 66.5 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 3.594 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :
MSVOA_Y
ClientSampled :

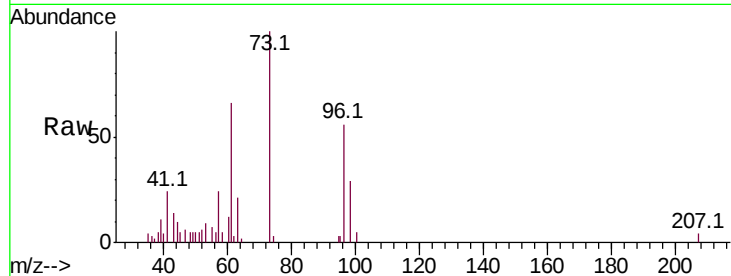
Tot Ion: 96 Resp: 4664

Ion Ratio Lower Upper

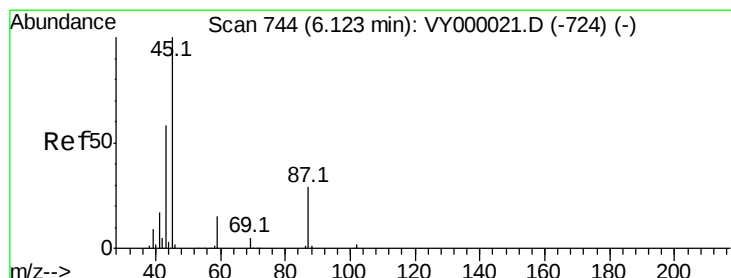
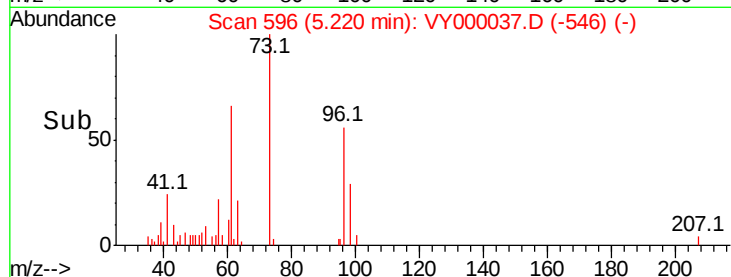
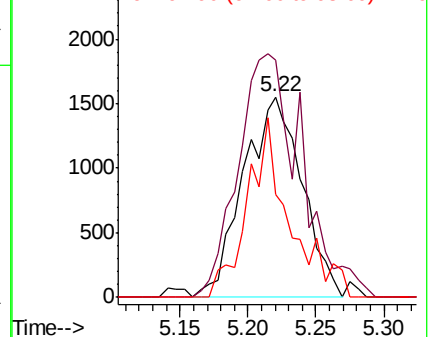
96 100

61 118.0 95.3 142.9

98 51.4 48.7 73.1



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: 3.519 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Tgt Ion: 45 Resp: 14137

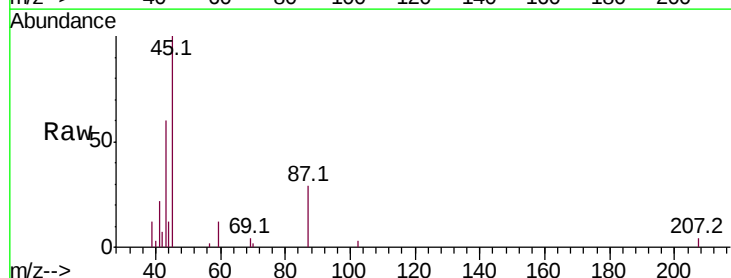
Ion Ratio Lower Upper

45 100

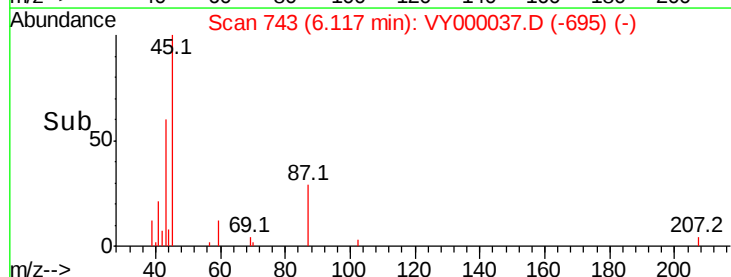
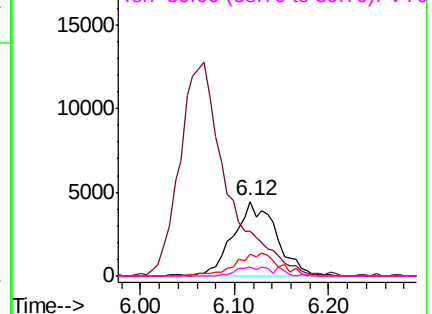
43 60.0 47.0 70.4

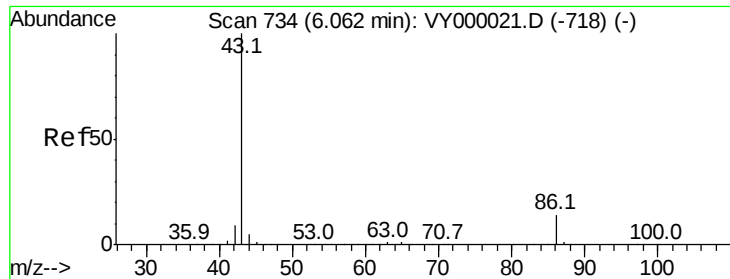
87 28.6 23.1 34.7

59 12.1 11.8 17.6



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





#23

Vinyl Acetate

Concen: 16.034 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

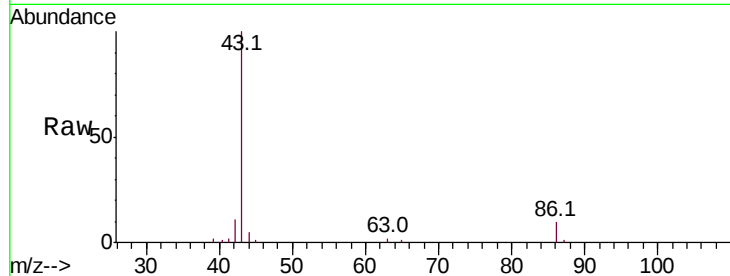
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 44557

Ion Ratio Lower Upper

43 100

86 10.3 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

15000

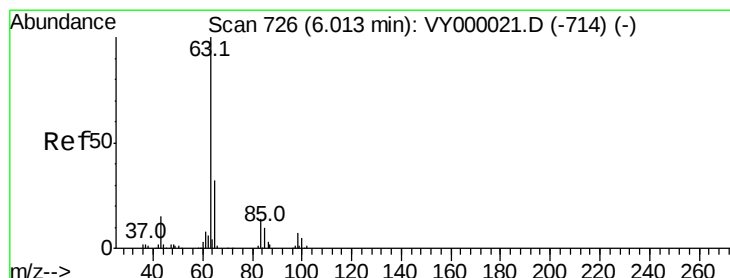
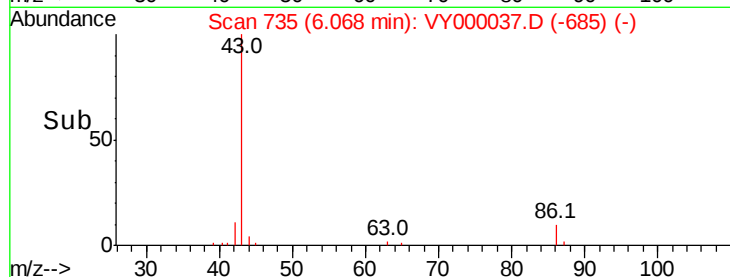
10000

5000

0

Time-->

5.90 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 3.448 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

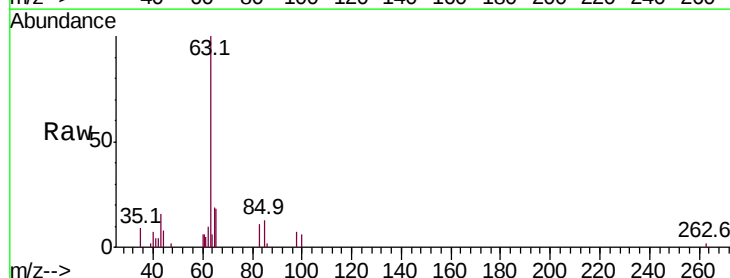
Tgt Ion: 63 Resp: 8207

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 6.3 2.6 8.0



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

6.01

3000

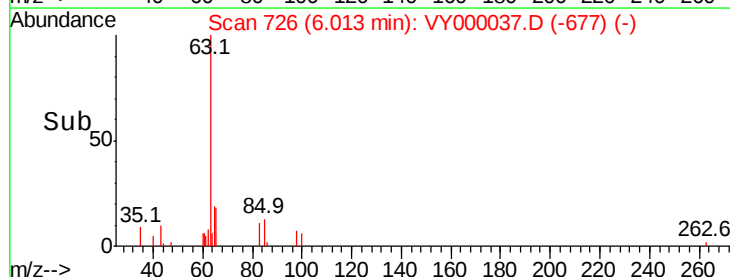
2000

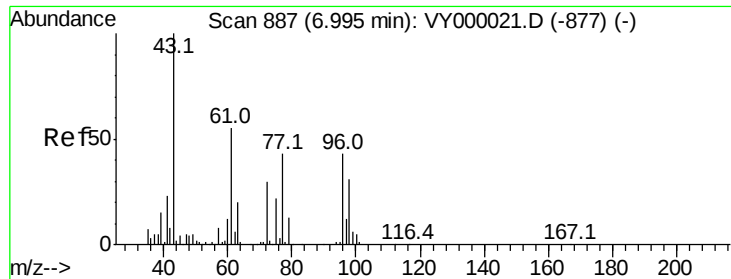
1000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 17.454 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

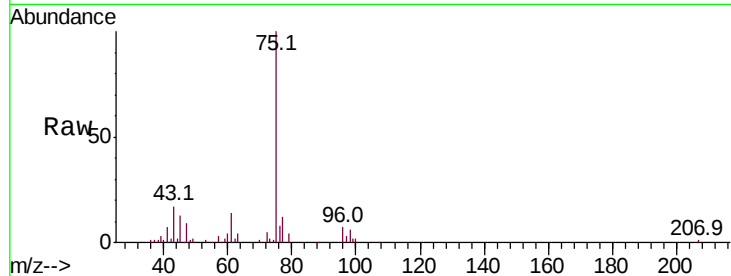
ClientSampled :

Tot Ion: 43 Resp: 10776

Ion Ratio Lower Upper

43 100

72 30.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

4000

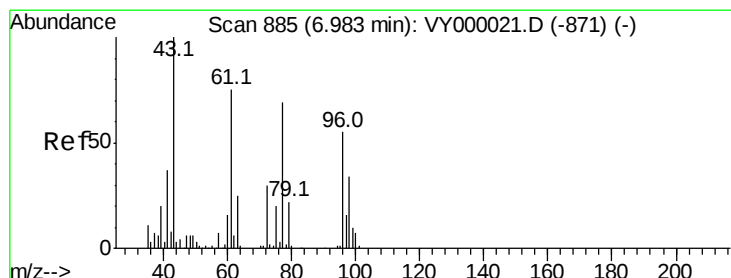
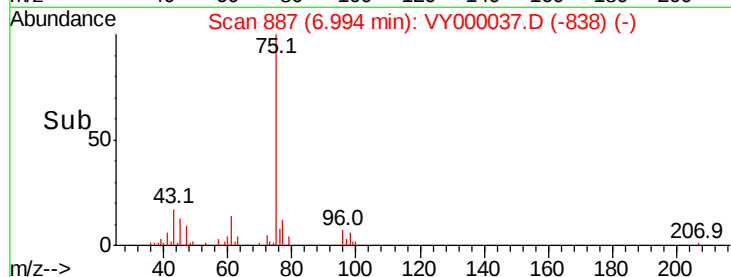
3000

2000

1000

0

Time--> 6.85 6.90 6.95 7.00 7.05



#26

2,2-Dichloropropane

Concen: 4.382 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000037.D

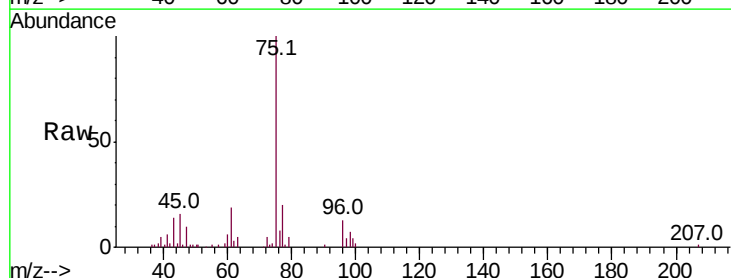
Acq: 13 Sep 2019 11:17

Tgt Ion: 77 Resp: 9691

Ion Ratio Lower Upper

77 100

97 18.9 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

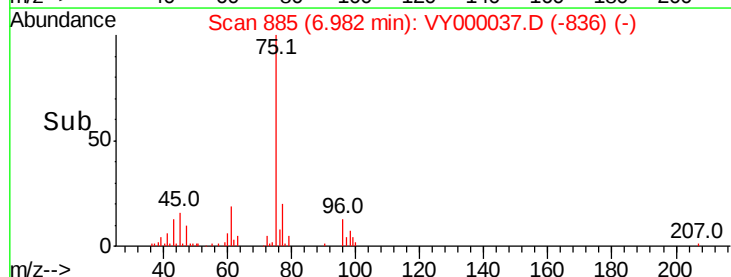
3000

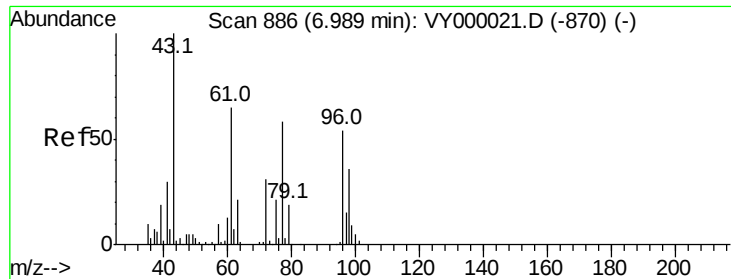
2000

1000

0

Time--> 6.90 7.00 7.10



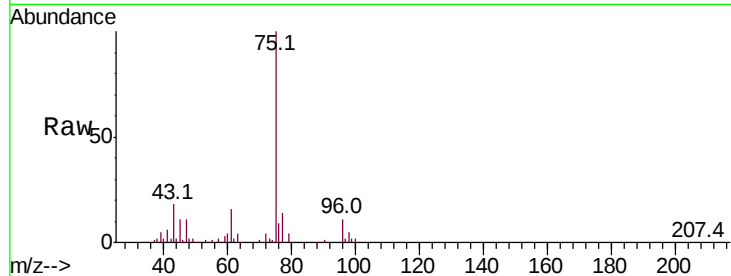


#27

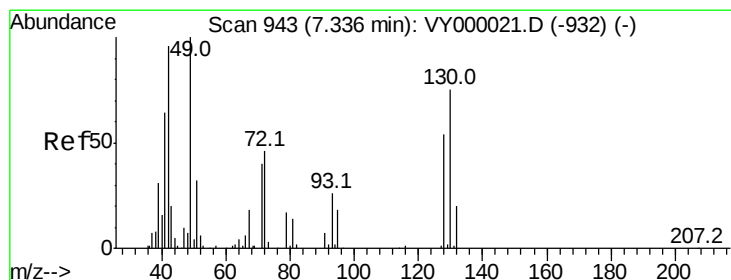
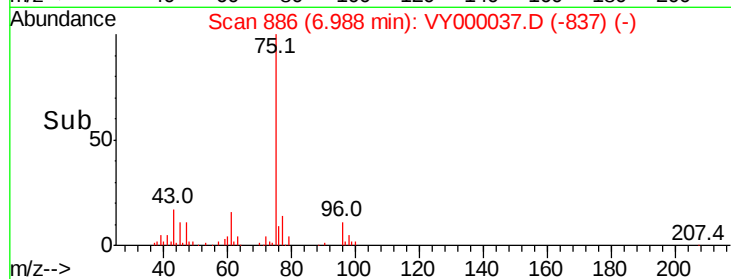
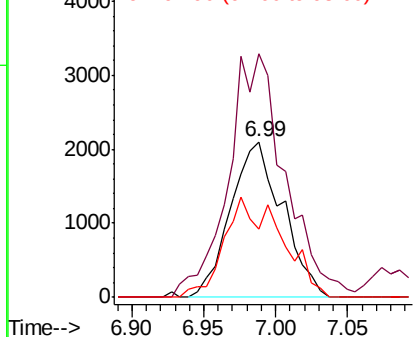
cis-1,2-Dichloroethene
Concen: 3.221 ug/l
RT: 6.99 min Scan# 886
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 5274
Ion Ratio Lower Upper
96 100
61 172.2 0.0 259.2
98 41.2 0.0 127.4



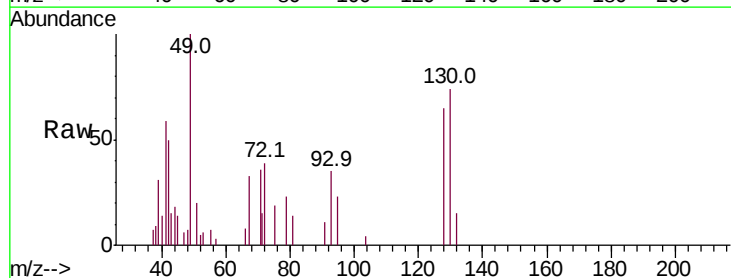
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



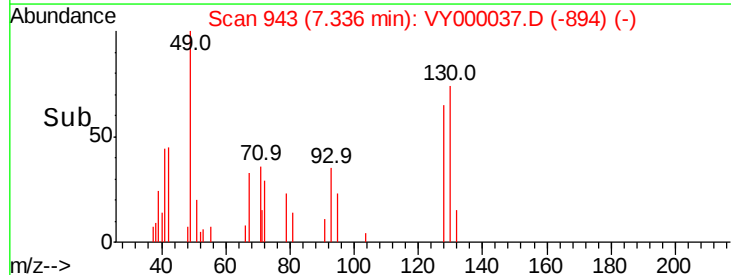
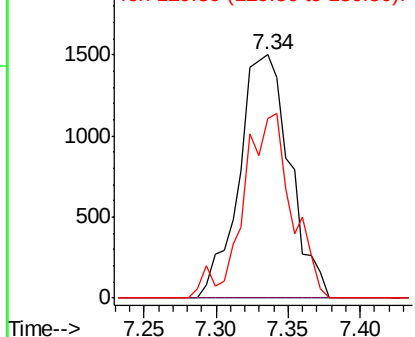
#28

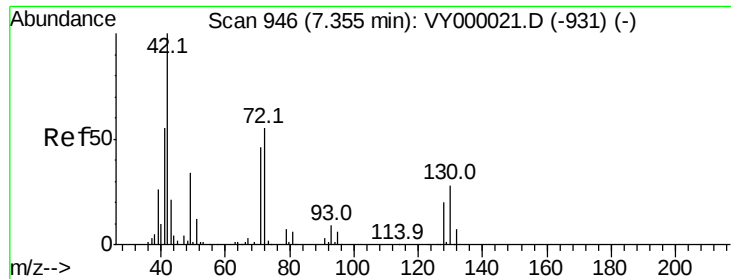
Bromochloromethane
Concen: 3.352 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 49 Resp: 3665
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 72.2 62.5 93.7



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

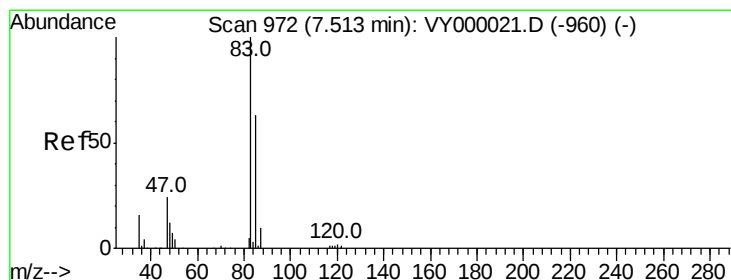
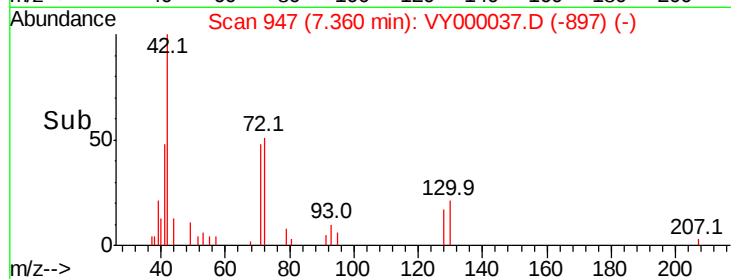
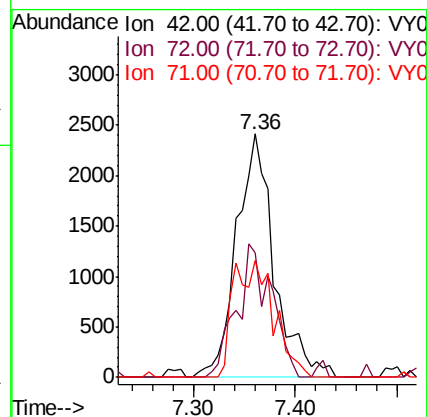
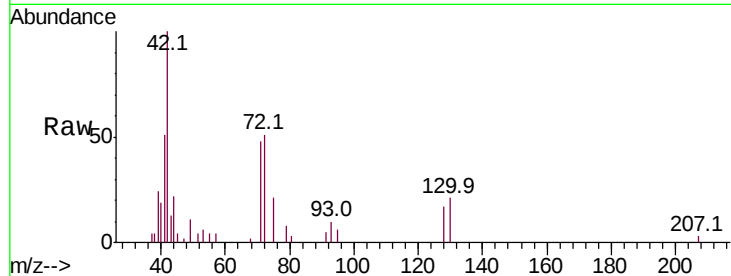




#29
Tetrahydrofuran
Concen: 16.840 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

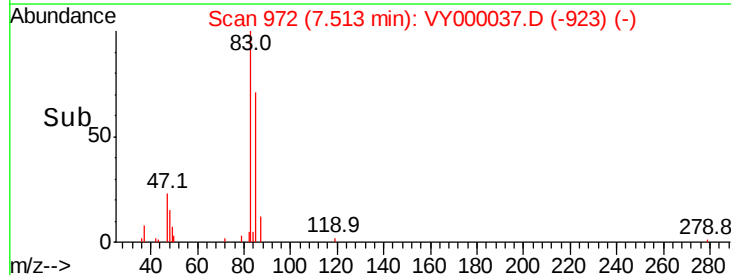
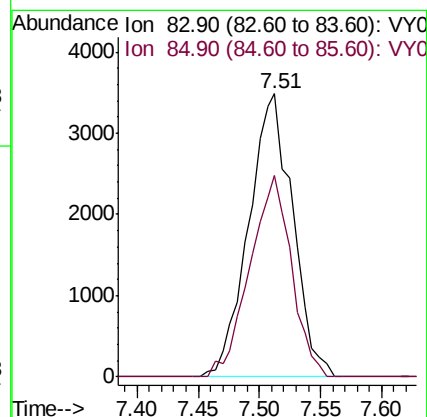
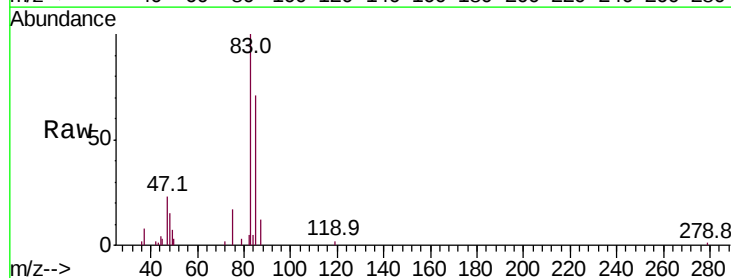
Instrument :
MSVOA_Y
ClientSampled :

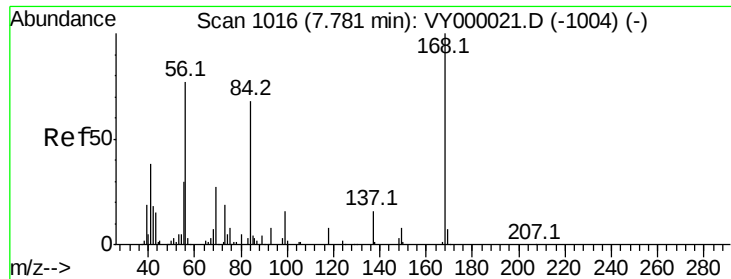
Tot Ion: 42 Resp: 6185
Ion Ratio Lower Upper
42 100
72 50.9 41.1 61.7
71 22.6 36.5 54.7#



#30
Chloroform
Concen: 3.549 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 83 Resp: 8712
Ion Ratio Lower Upper
83 100
85 71.1 50.6 76.0





#31

Cyclohexane

Concen: 2.449 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :
MSVOA_Y
ClientSampleId :

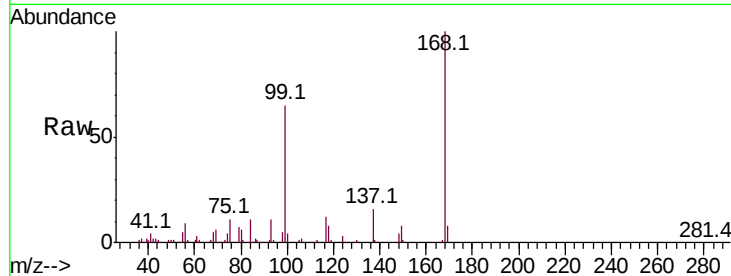
Tot Ion: 56 Resp: 10359

Ion Ratio Lower Upper

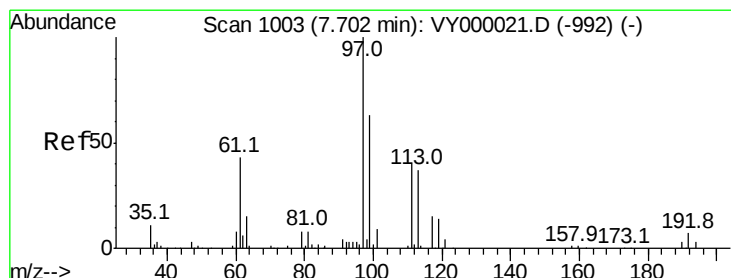
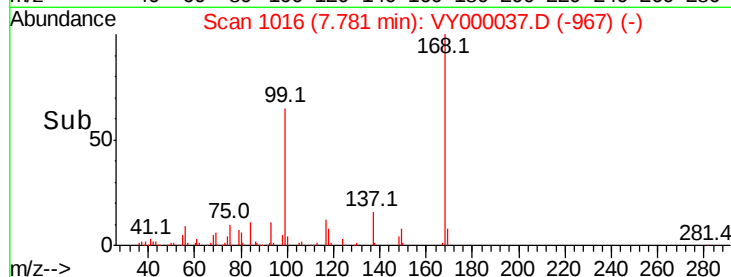
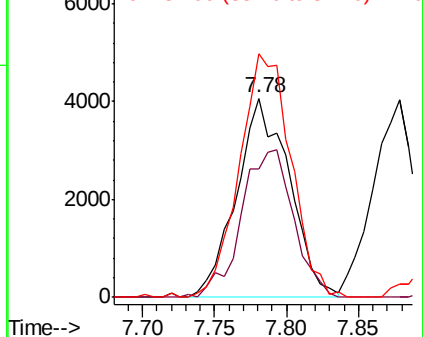
56 100

69 64.5 28.0 42.0#

84 122.1 70.4 105.6#



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



#32

1,1,1-Trichloroethane

Concen: 3.691 ug/l

RT: 7.69 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

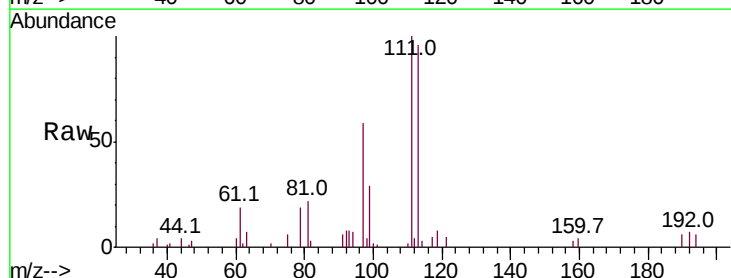
Tgt Ion: 97 Resp: 7432

Ion Ratio Lower Upper

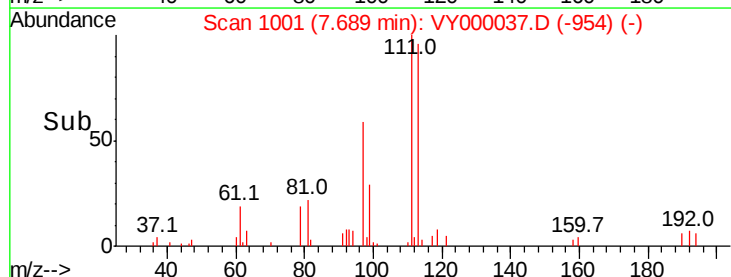
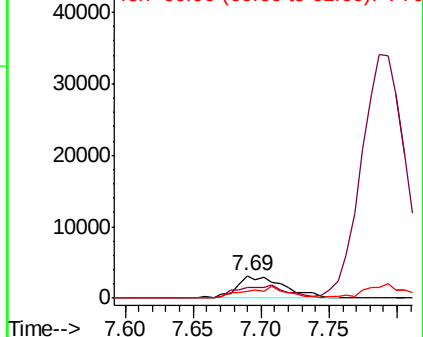
97 100

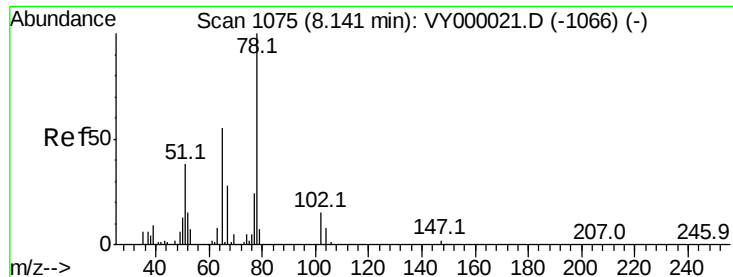
99 60.8 51.0 76.6

61 47.1 35.7 53.5



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

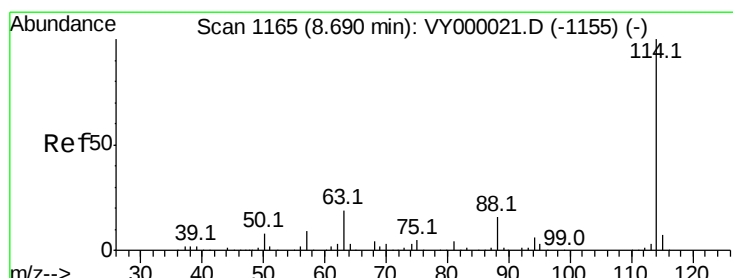
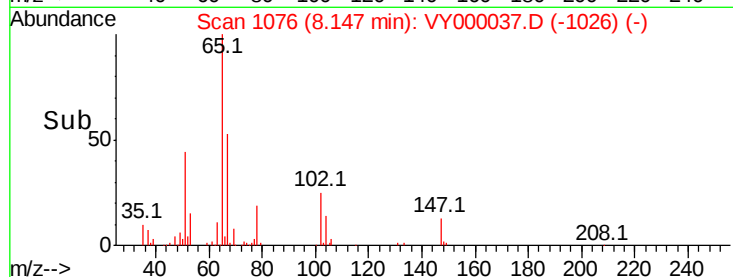
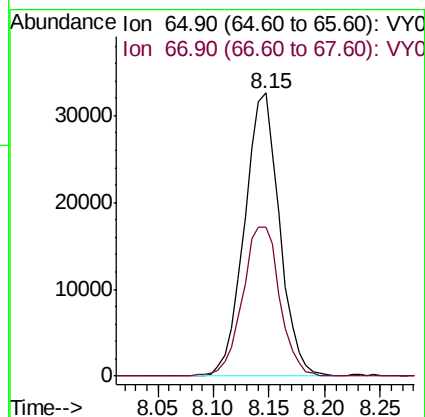
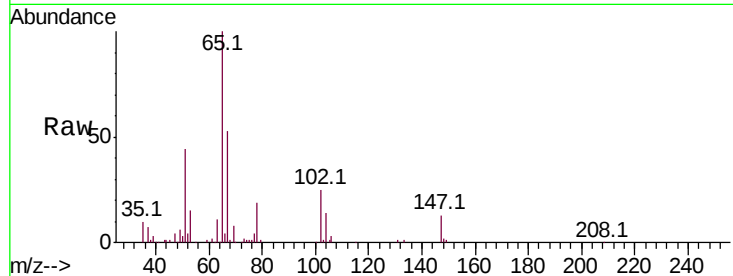




#33
 1,2-Dichloroethane-d4
 Concen: 52.027 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

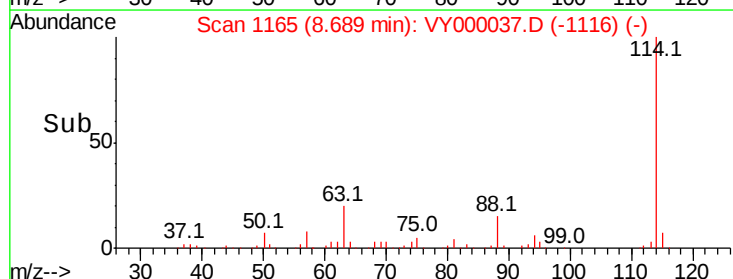
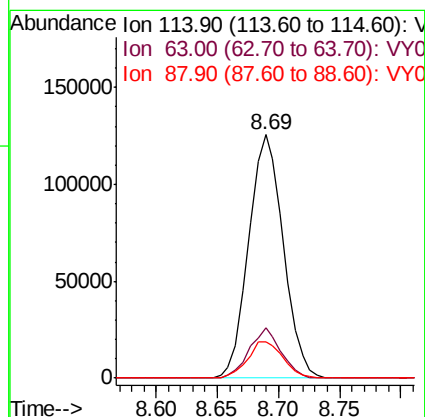
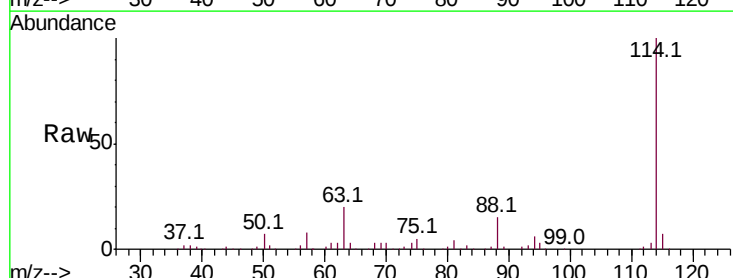
Instrument :
 MSVOA_Y
 ClientSampleId :

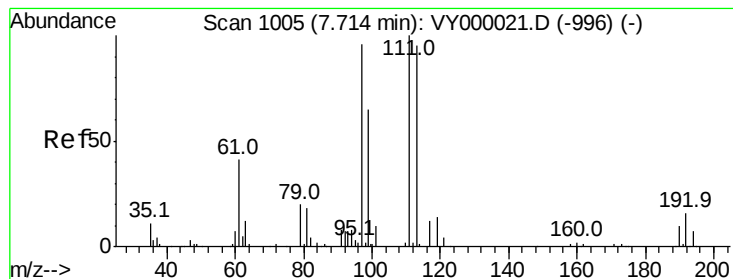
Tot Ion: 65 Resp: 71273
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion: 114 Resp: 247760
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.6
 88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.826 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

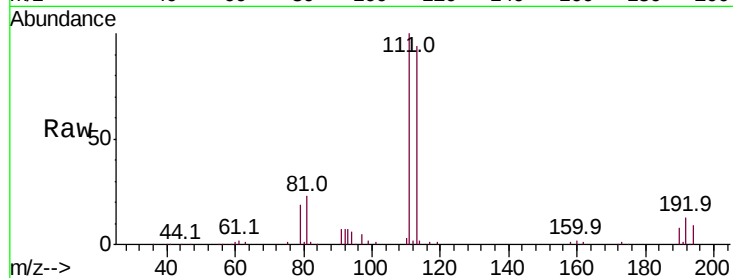
Tot Ion:113 Resp: 72243

Ion Ratio Lower Upper

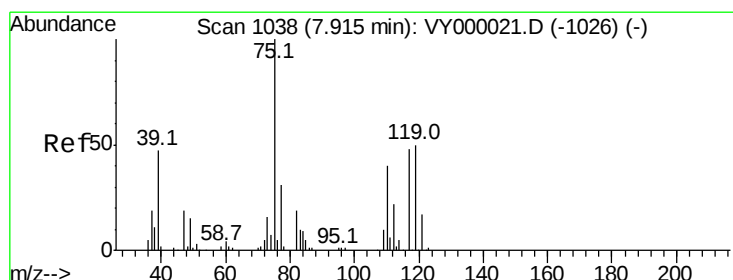
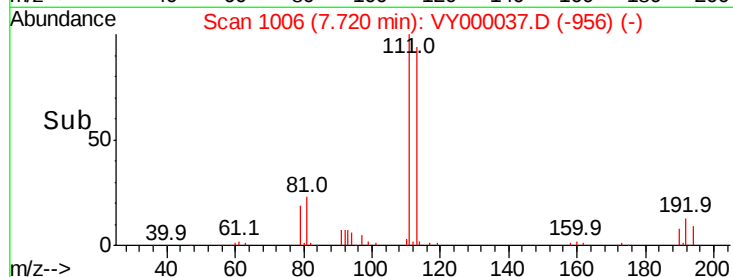
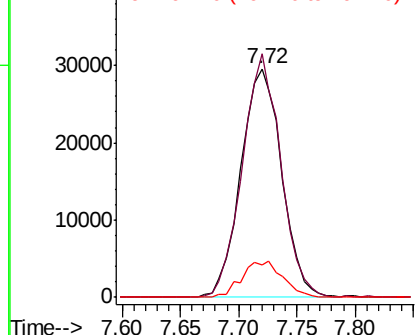
113 100

111 100.5 83.9 125.9

192 15.8 14.5 21.7



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: 3.793 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

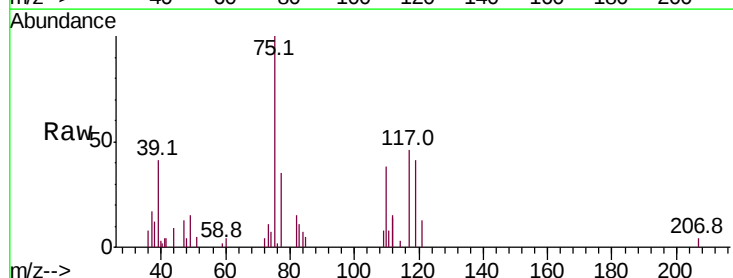
Tgt Ion: 75 Resp: 6899

Ion Ratio Lower Upper

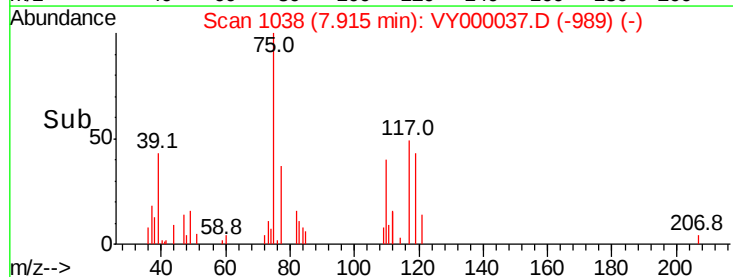
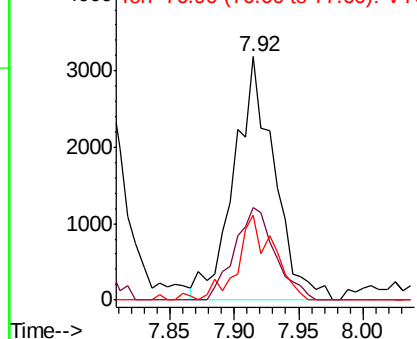
75 100

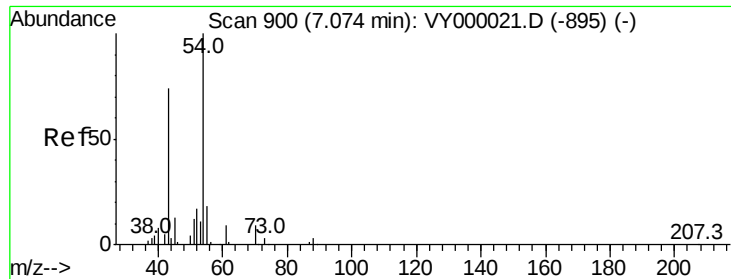
110 38.5 18.6 55.8

77 31.1 24.4 36.6



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

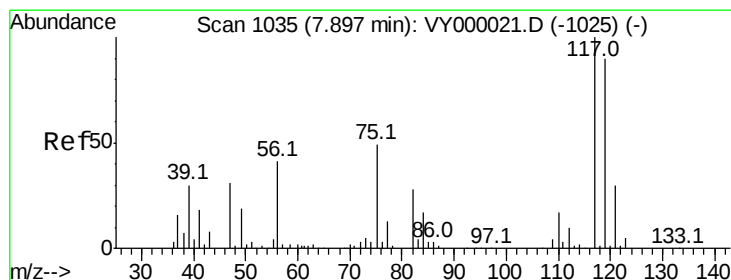
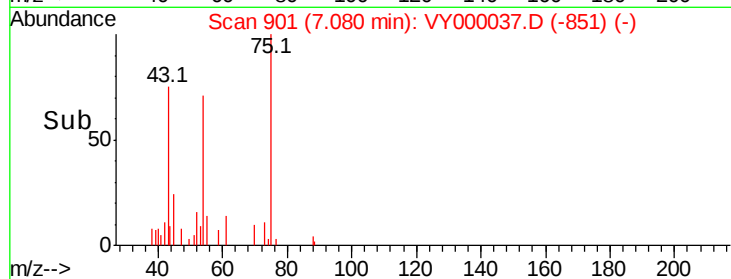
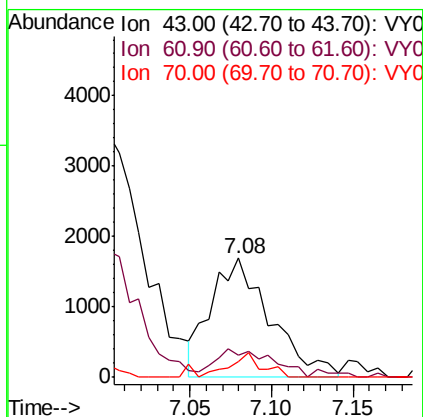
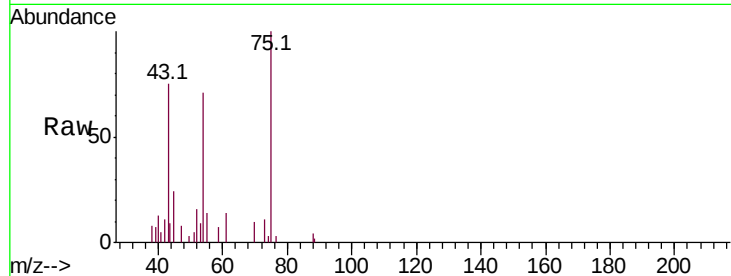




#37
Ethyl Acetate
Concen: 3.505 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

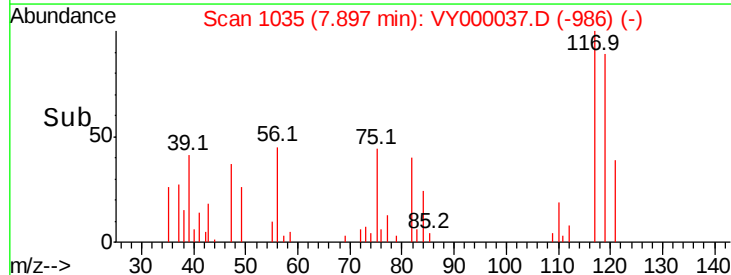
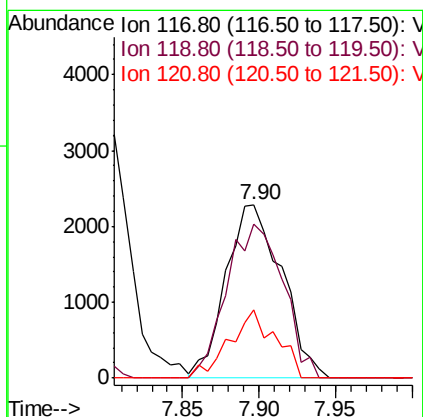
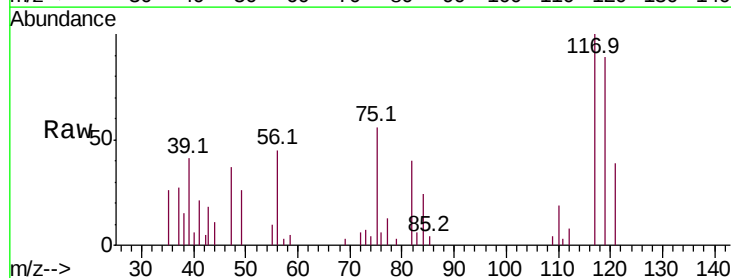
Instrument :
MSVOA_Y
ClientSampled :

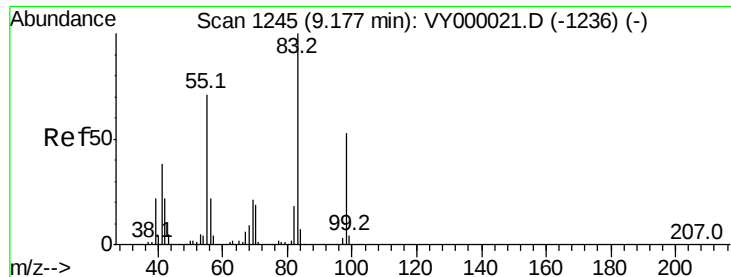
Tot Ion: 43 Resp: 4300
Ion Ratio Lower Upper
43 100
61 22.0 13.1 19.7#
70 11.0 10.9 16.3



#38
Carbon Tetrachloride
Concen: 3.375 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 117 Resp: 5796
Ion Ratio Lower Upper
117 100
119 88.7 72.1 108.1
121 39.3 23.9 35.9#

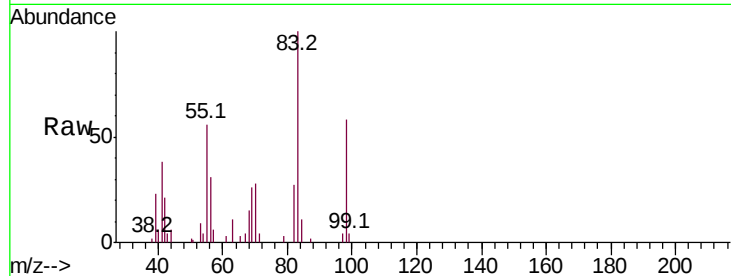




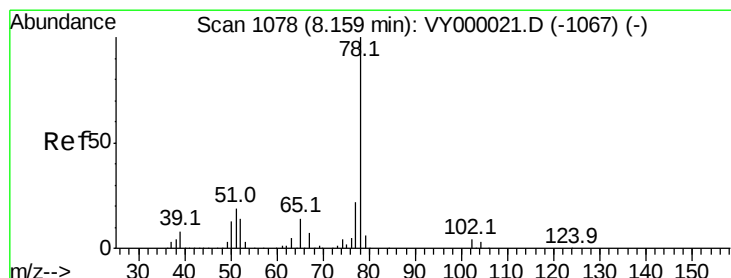
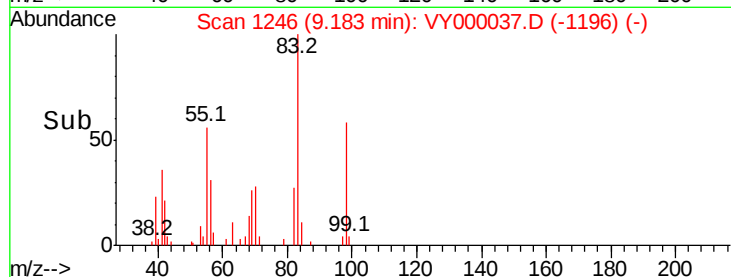
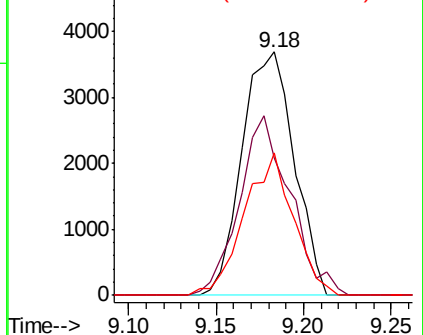
#39
Methvlcvclohexane
Concen: 3.420 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 7686
Ion Ratio Lower Upper
83 100
55 56.3 57.0 85.4#
98 58.4 42.0 63.0

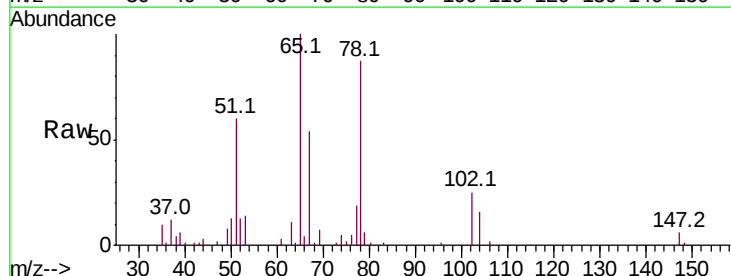


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

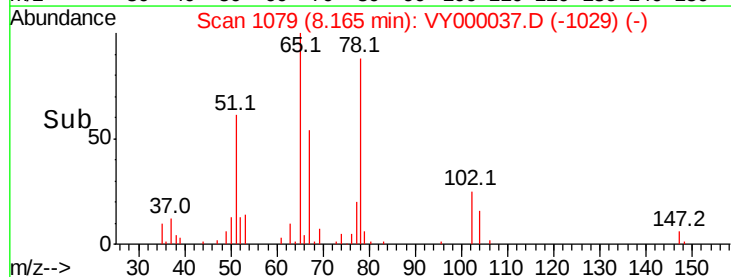
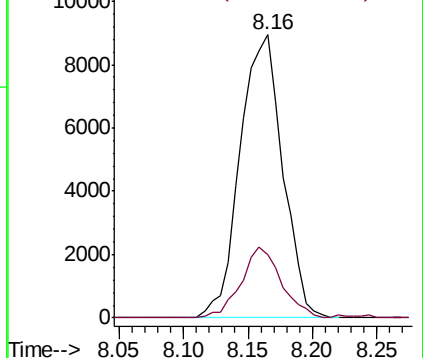


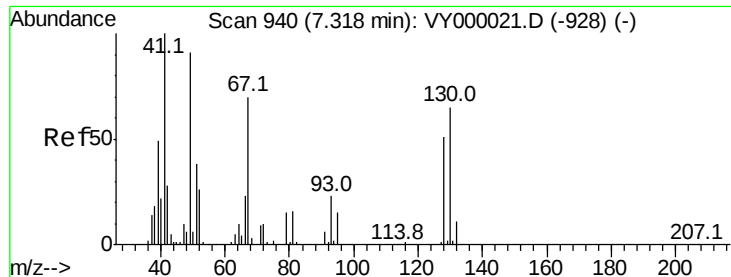
#40
Benzene
Concen: 3.458 ug/l
RT: 8.16 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 78 Resp: 20478
Ion Ratio Lower Upper
78 100
77 22.4 17.8 26.6



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

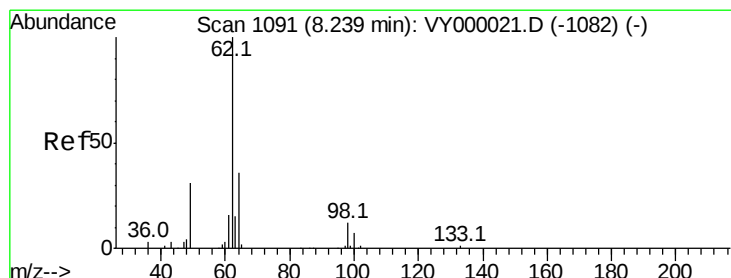
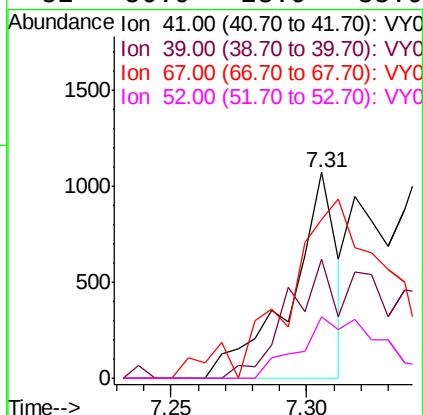
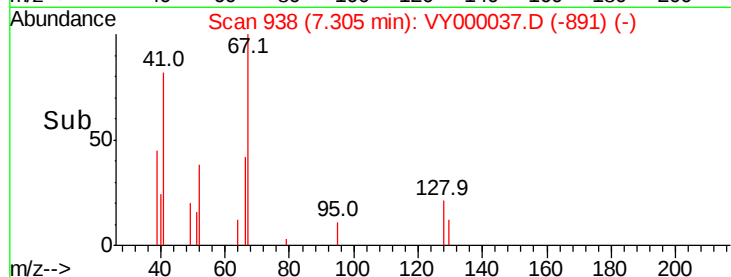
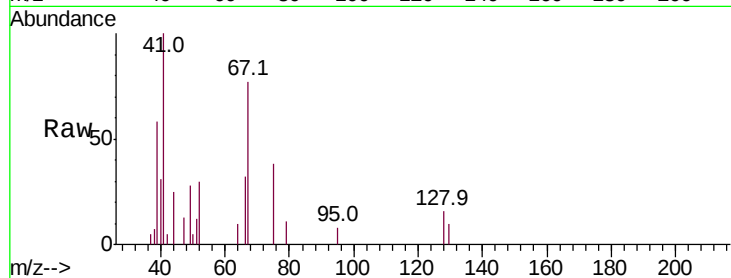




#41
Methacrylonitrile
Concen: 1.777 ug/l
RT: 7.31 min Scan# 938
Delta R.T. -0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

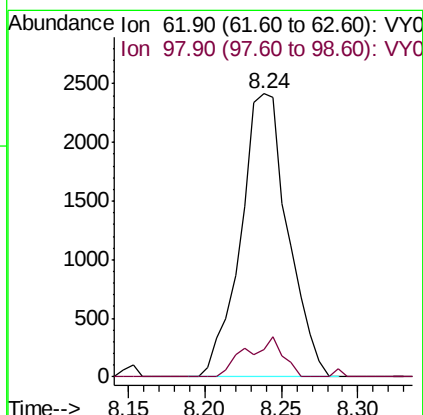
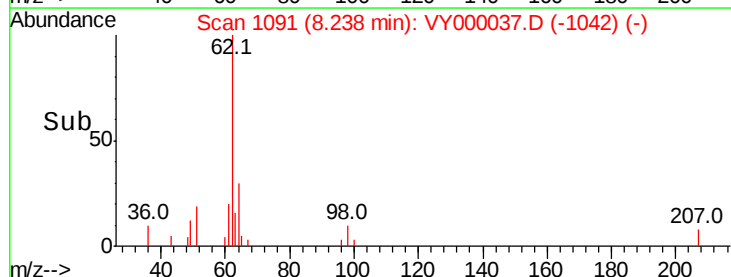
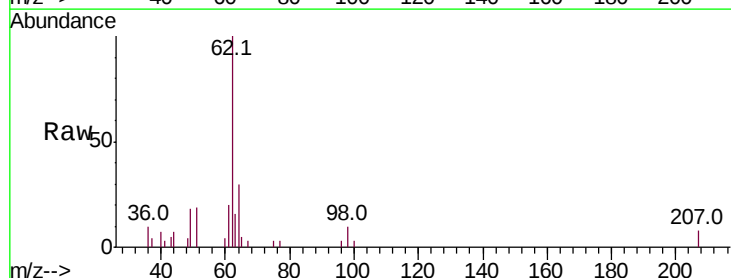
Instrument :
MSVOA_Y
ClientSampled :

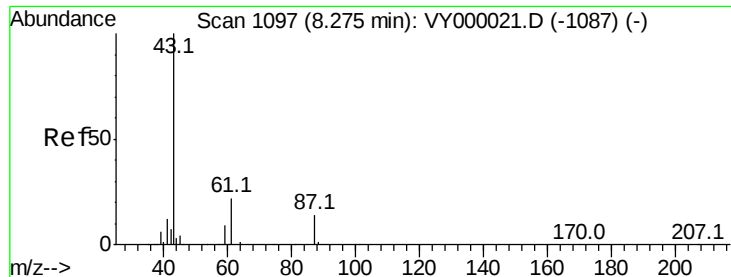
Tot Ion: 41 Resp: 1268
Ion Ratio Lower Upper
41 100
39 59.6 41.8 62.6
67 183.0 65.8 98.6#
52 56.9 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 3.420 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 62 Resp: 5177
Ion Ratio Lower Upper
62 100
98 11.0 0.0 23.2





#43

Isopropyl Acetate

Concen: 3.364 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

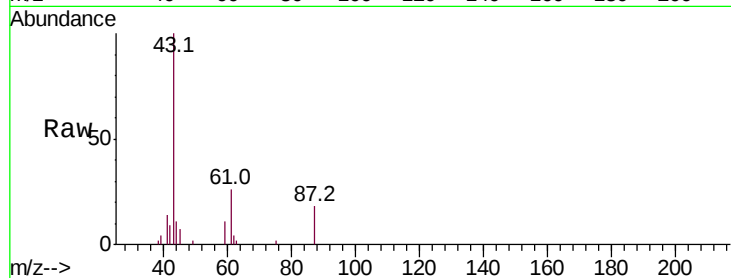
Tot Ion: 43 Resp: 7997

Ion Ratio Lower Upper

43 100

61 25.8 24.9 37.3

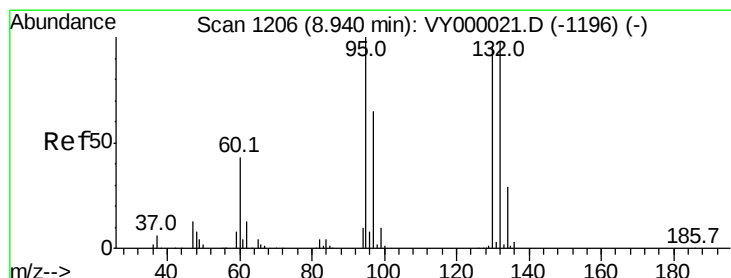
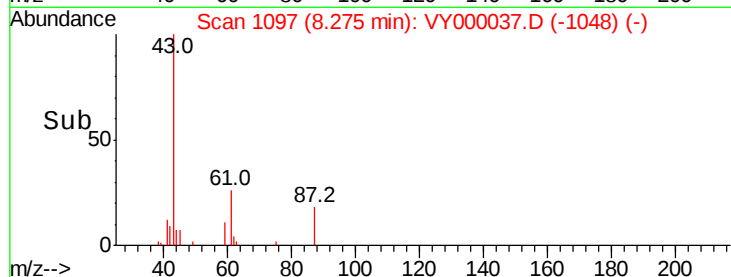
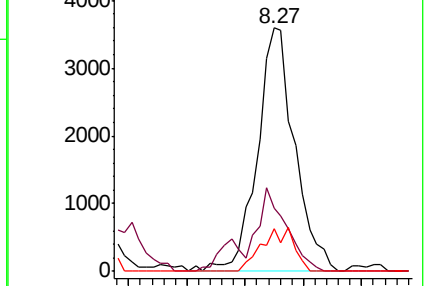
87 15.1 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-1087) (-)

Ion 61.00 (60.70 to 61.70): VY000021.D (-1087) (-)

Ion 87.00 (86.70 to 87.70): VY000021.D (-1087) (-)



#44

Trichloroethene

Concen: 3.684 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000037.D

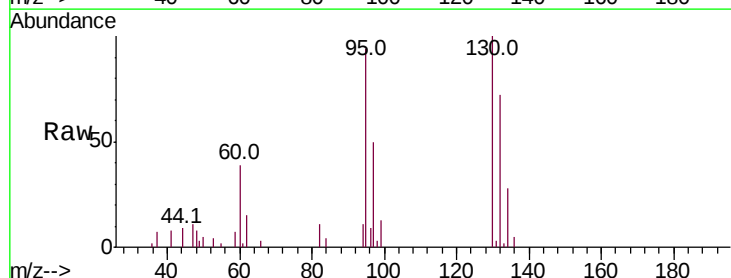
Acq: 13 Sep 2019 11:17

Tgt Ion: 130 Resp: 5448

Ion Ratio Lower Upper

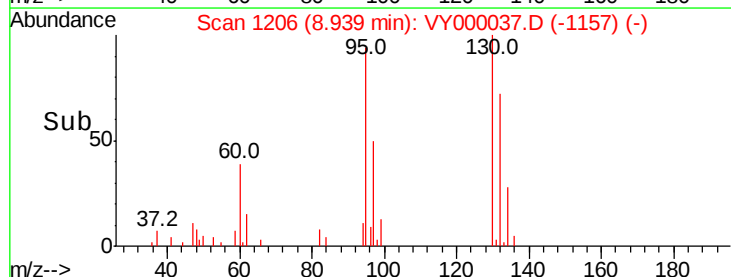
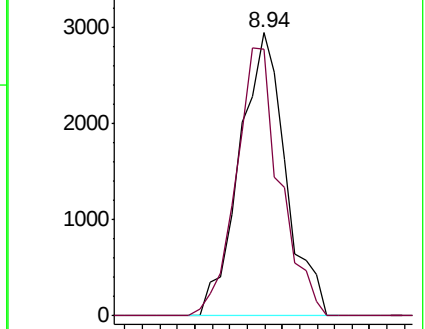
130 100

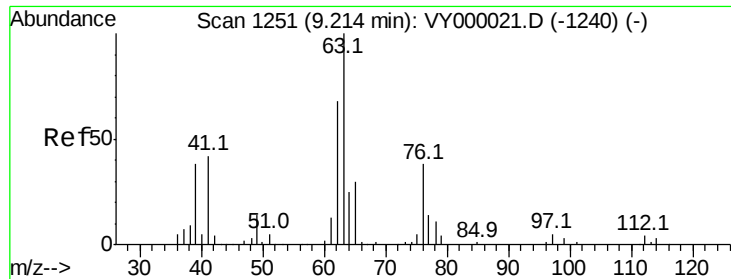
95 94.4 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000021.D (-1196) (-)

Ion 94.90 (94.60 to 95.60): VY000021.D (-1196) (-)

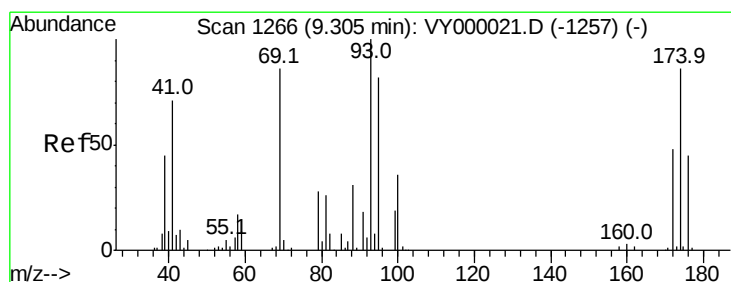
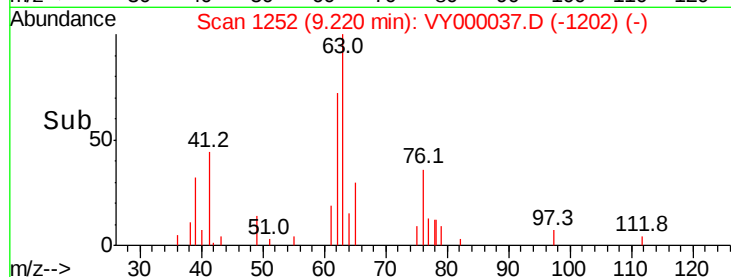
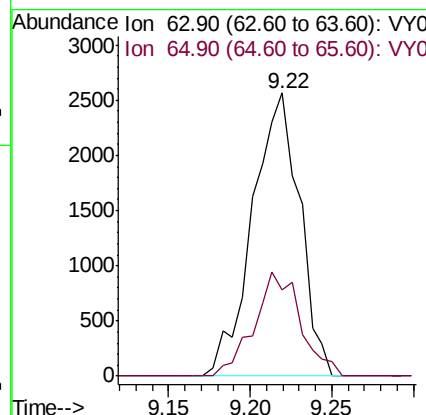
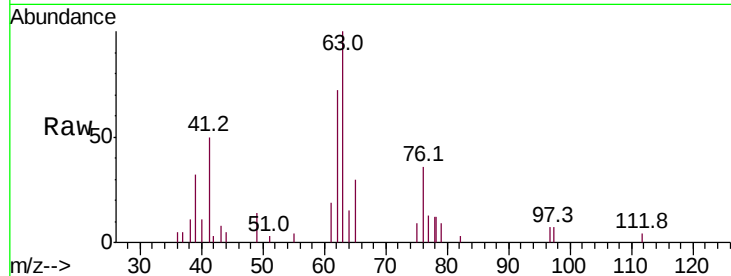




#45
 1,2-Dichloropropane
 Concen: 3.370 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

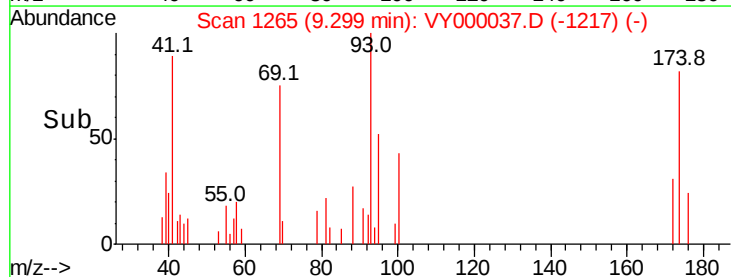
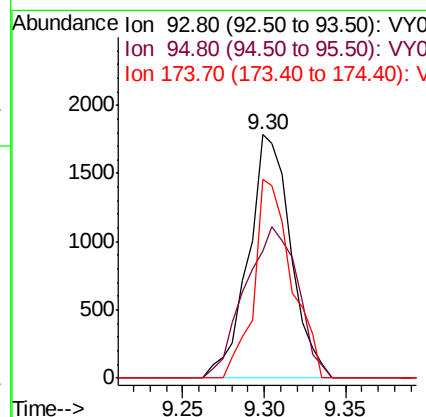
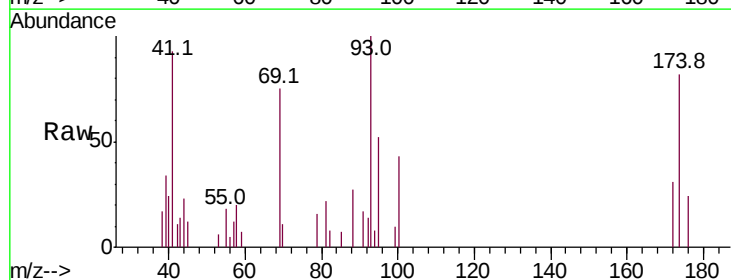
Instrument :
 MSVOA_Y
 ClientSampleId :

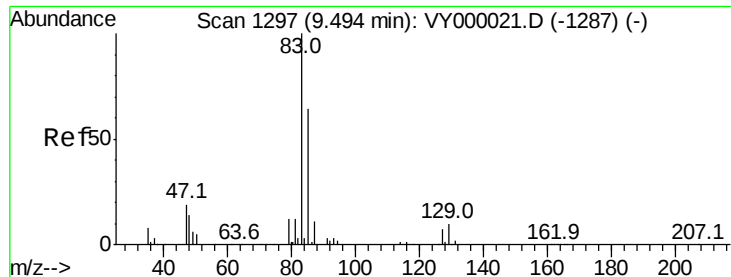
Tot Ion: 63 Resp: 5147
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.1 36.1



#46
 Dibromomethane
 Concen: 3.812 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion: 93 Resp: 3231
 Ion Ratio Lower Upper
 93 100
 95 76.9 67.0 100.6
 174 72.1 68.8 103.2





#47

Bromodichloromethane

Concen: 3.274 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

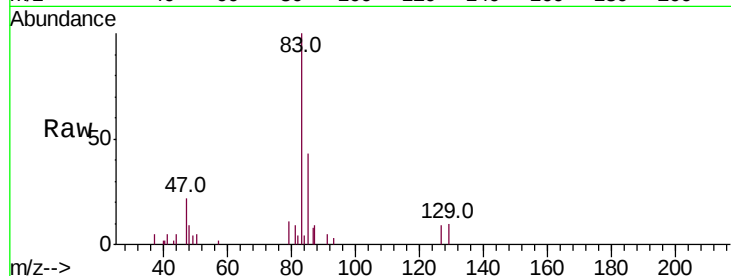
Tot Ion: 83 Resp: 6624

Ion Ratio Lower Upper

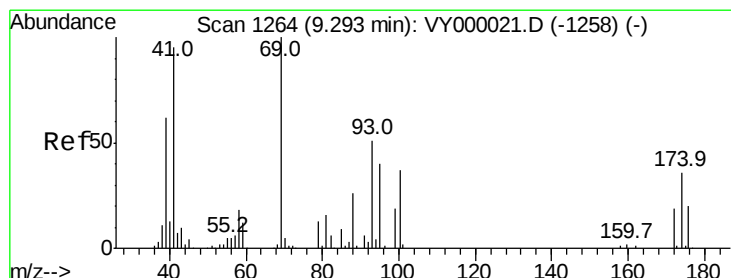
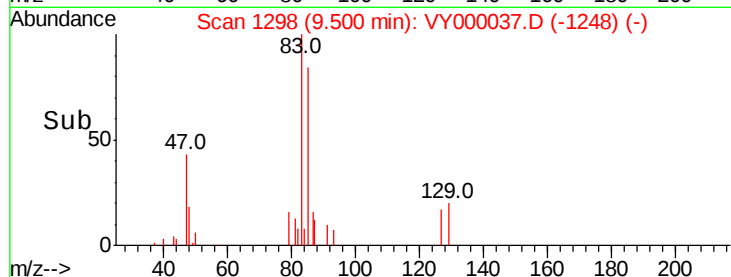
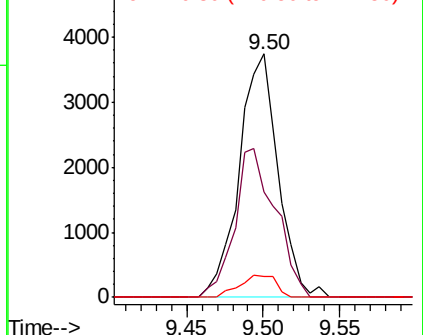
83 100

85 43.2 51.4 77.2#

127 8.8 5.4 8.2#



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



#48

Methyl methacrylate

Concen: 3.611 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

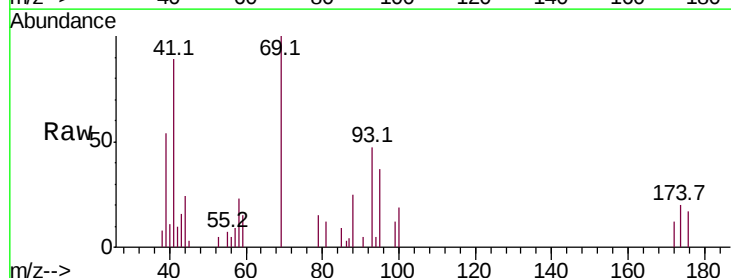
Tgt Ion: 41 Resp: 3788

Ion Ratio Lower Upper

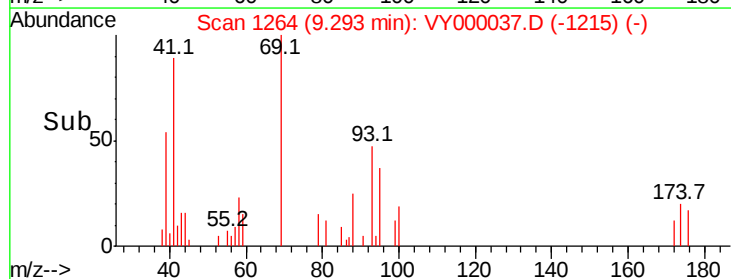
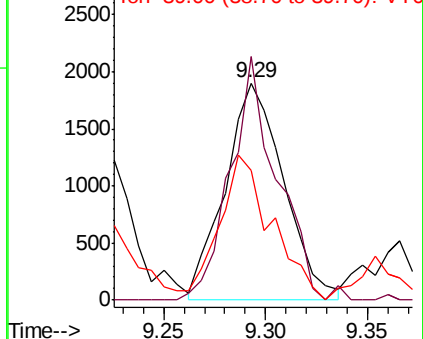
41 100

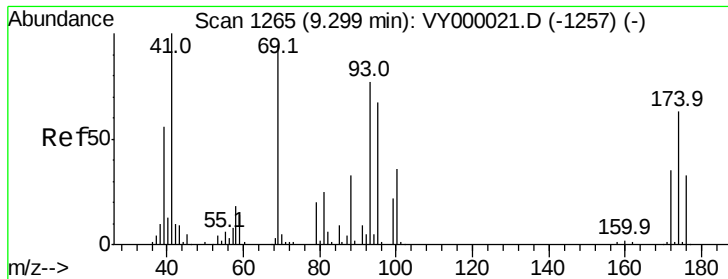
69 88.4 79.7 119.5

39 59.8 48.6 72.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

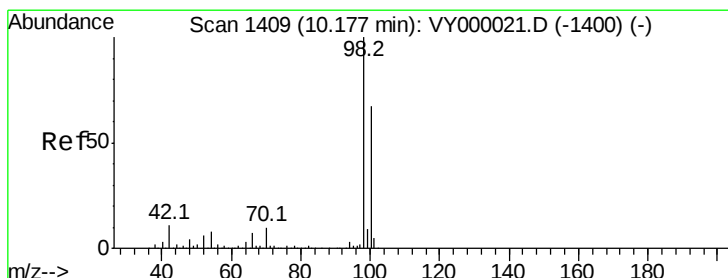
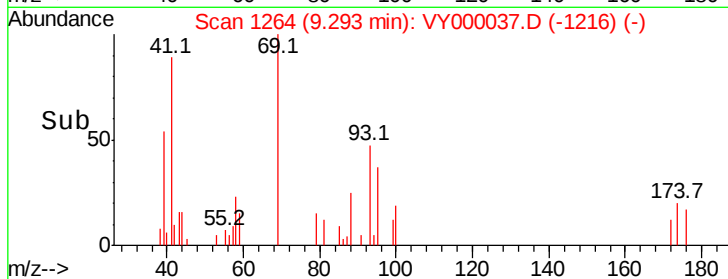
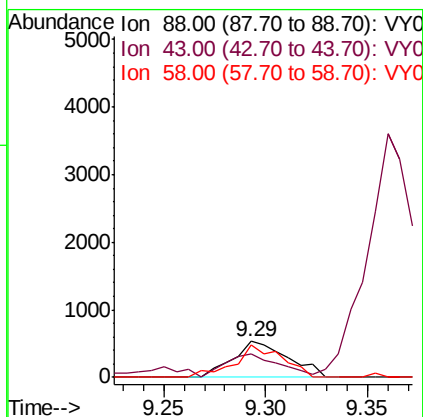
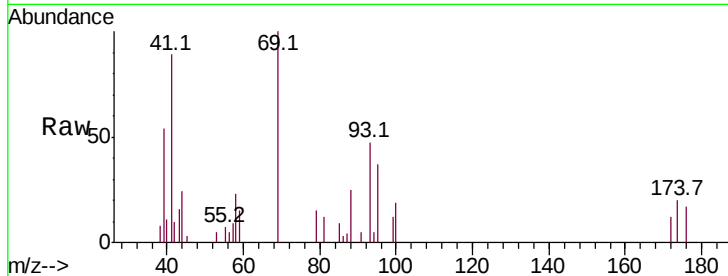




#49
1,4-Dioxane
Concen: 55.946 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

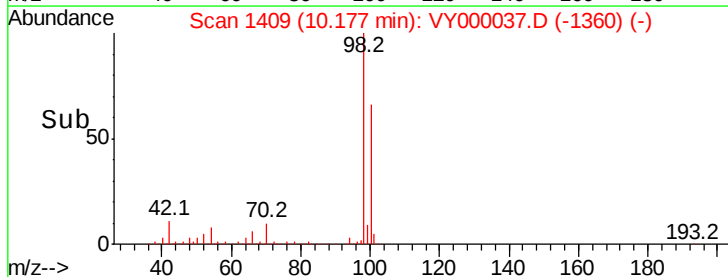
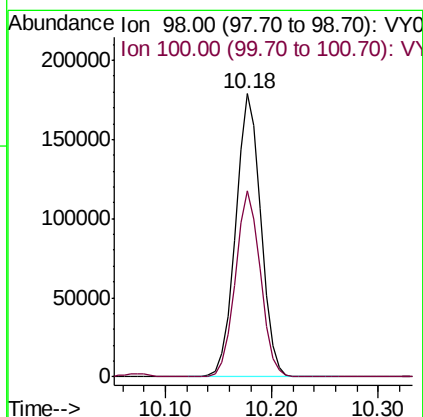
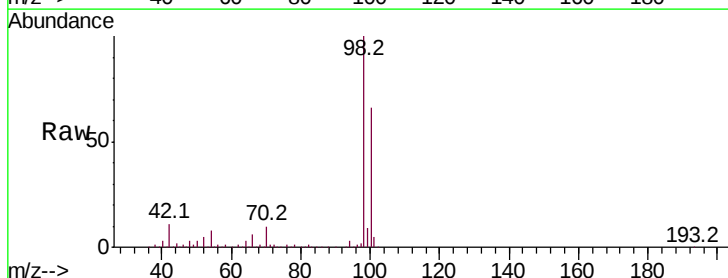
Instrument :
MSVOA_Y
ClientSampled :

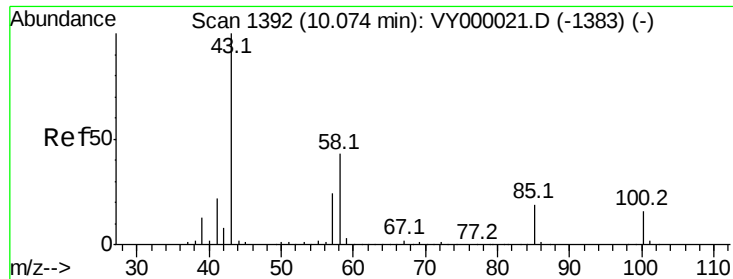
Tot Ion: 88 Resp: 993
Ion Ratio Lower Upper
88 100
43 65.2 24.6 37.0#
58 77.4 52.7 79.1



#50
Toluene-d8
Concen: 51.832 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 98 Resp: 296629
Ion Ratio Lower Upper
98 100
100 65.2 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 15.735 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

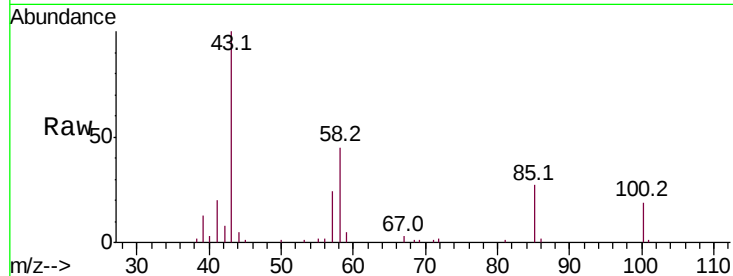
ClientSampled :

Tot Ion: 43 Resp: 20959

Ion Ratio Lower Upper

43 100

58 41.8 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

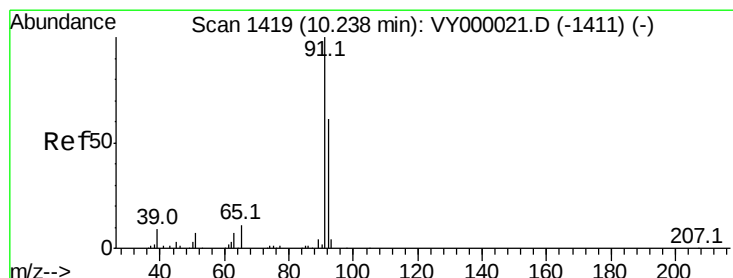
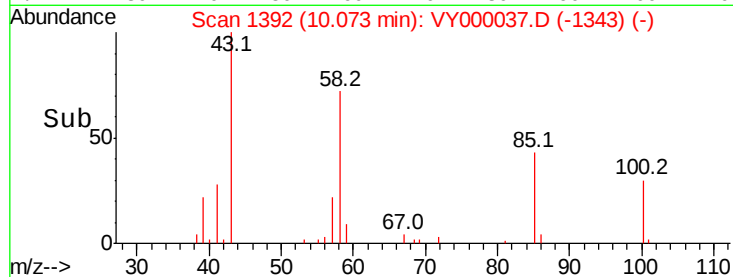
10.07

10000

5000

0

Time-->



#52

Toluene

Concen: 3.258 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VY000037.D

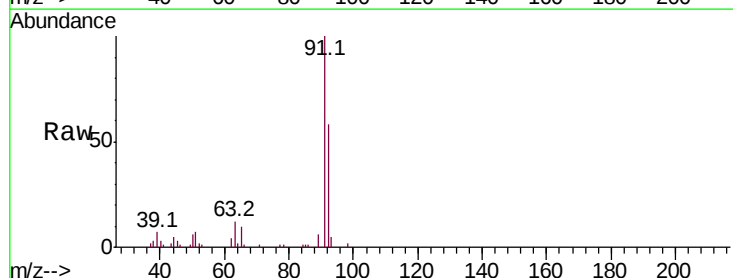
Acq: 13 Sep 2019 11:17

Tgt Ion: 92 Resp: 12125

Ion Ratio Lower Upper

92 100

91 172.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

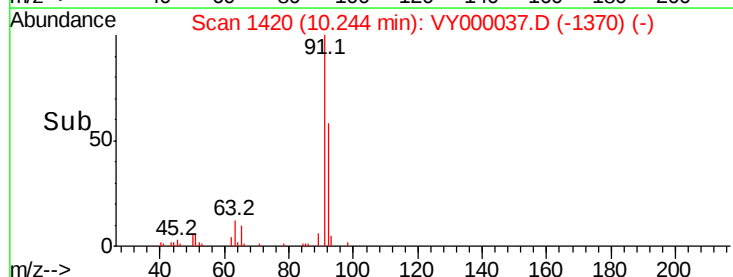
10.24

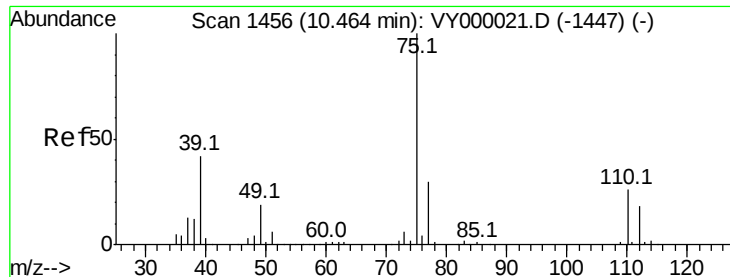
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 3.196 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

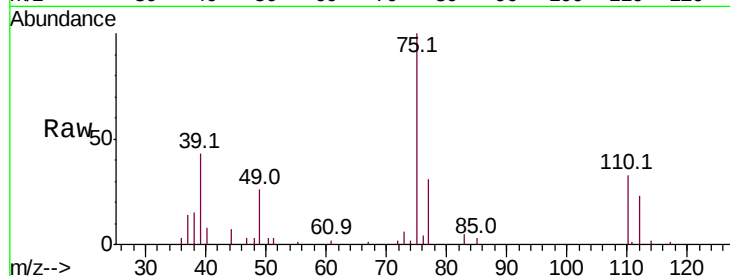
ClientSampled :

Tot Ion: 75 Resp: 6798

Ion Ratio Lower Upper

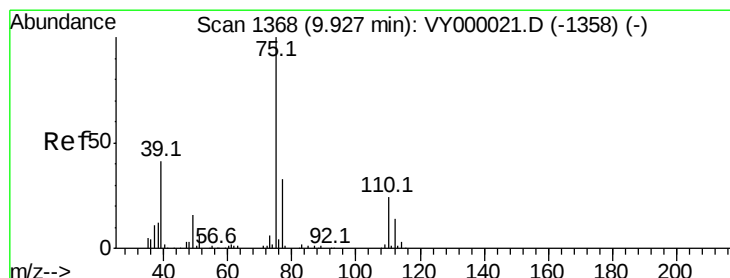
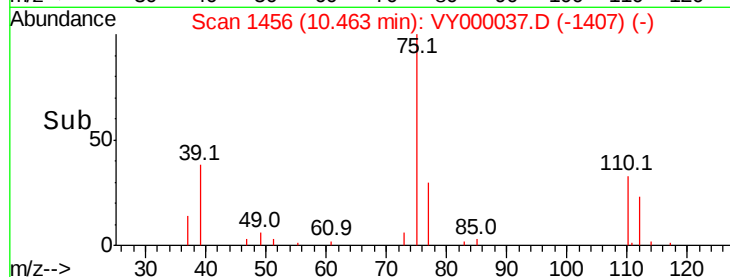
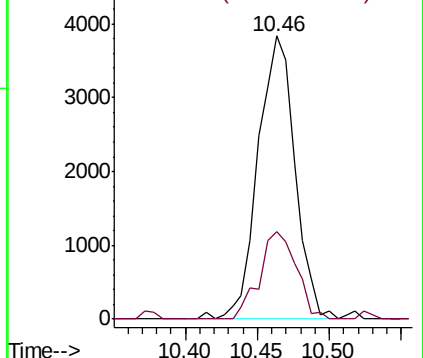
75 100

77 31.1 23.8 35.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 3.236 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

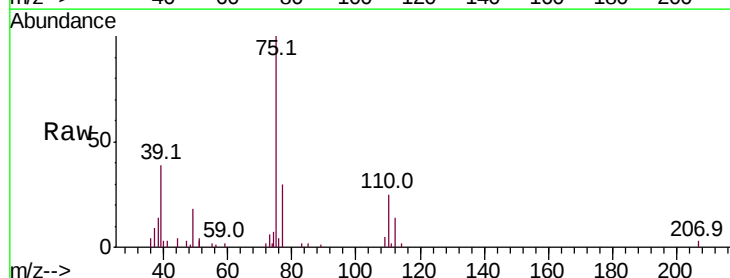
Tgt Ion: 75 Resp: 8011

Ion Ratio Lower Upper

75 100

77 29.7 26.3 39.5

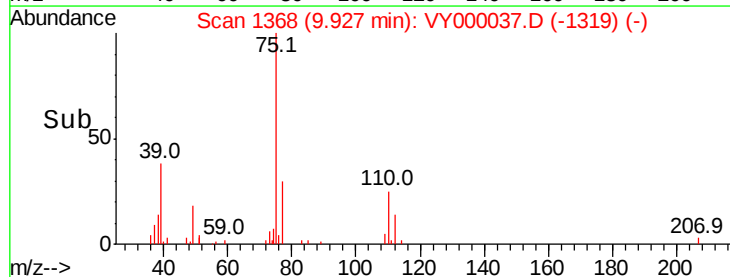
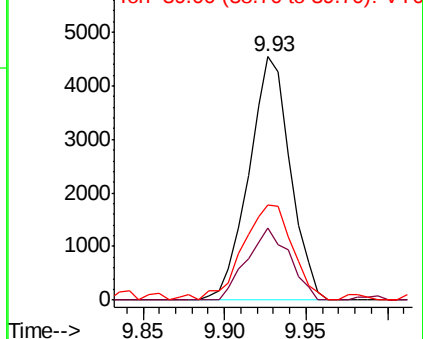
39 39.3 32.9 49.3

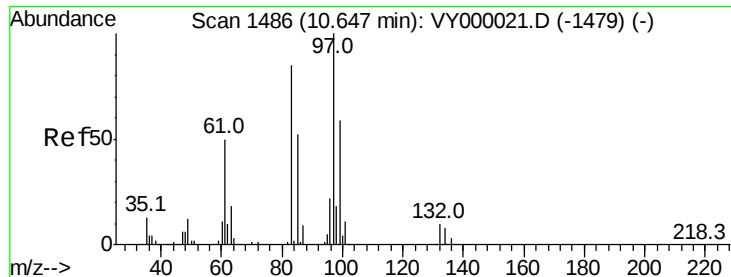


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 2.980 ug/l

RT: 10.64 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

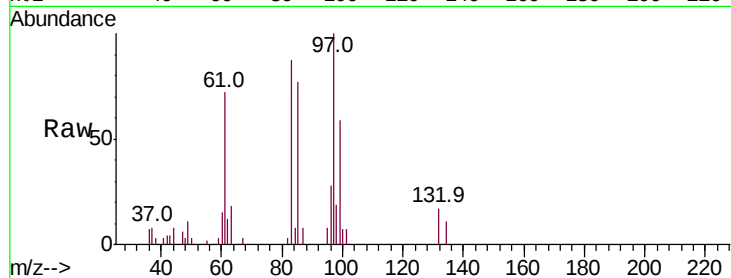
MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 4002

Ion Ratio Lower Upper

97	100		
83	87.4	68.2	102.2
85	77.1	41.7	62.5#
99	58.8	47.3	70.9

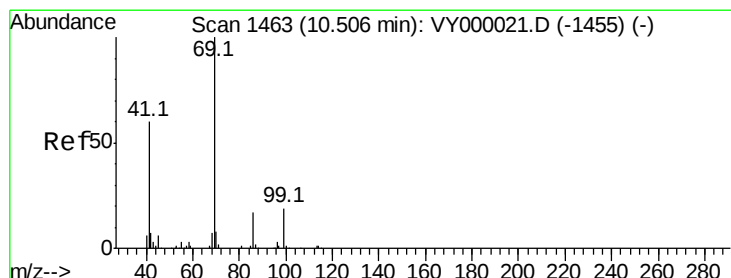
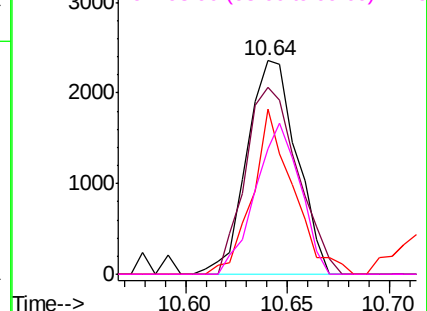
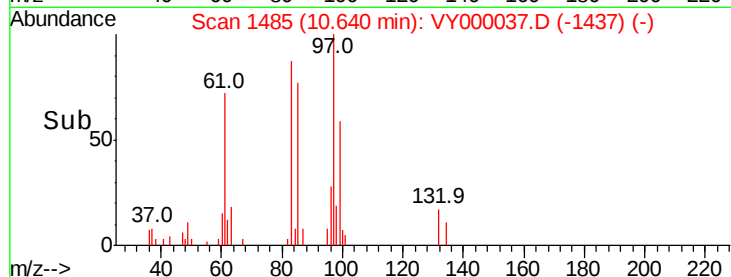


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 3.155 ug/l

RT: 10.51 min Scan# 1463

Delta R.T. -0.00 min

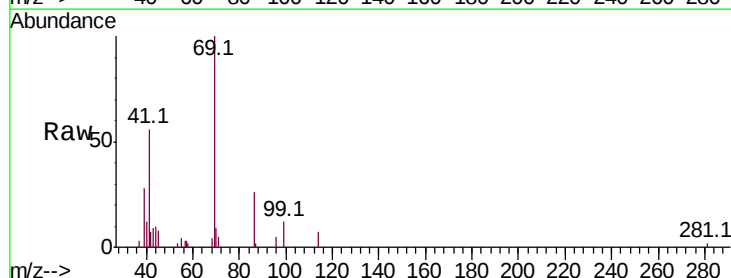
Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Tgt Ion: 69 Resp: 5946

Ion Ratio Lower Upper

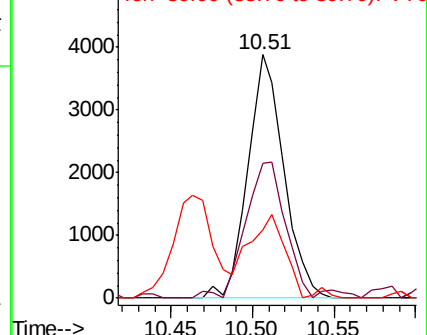
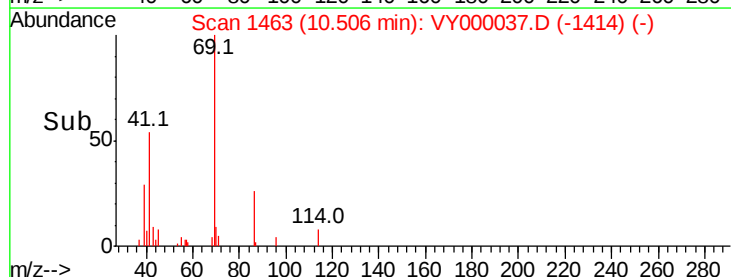
69	100		
41	62.3	47.0	70.4
39	34.5	26.4	39.6

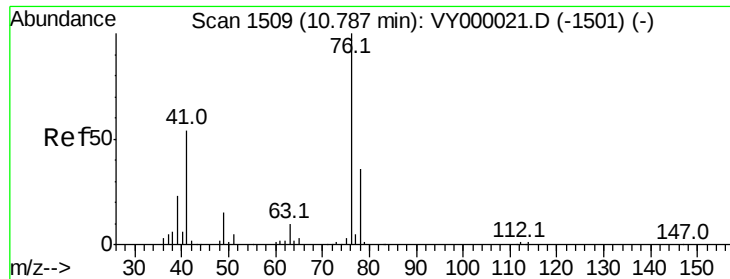


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

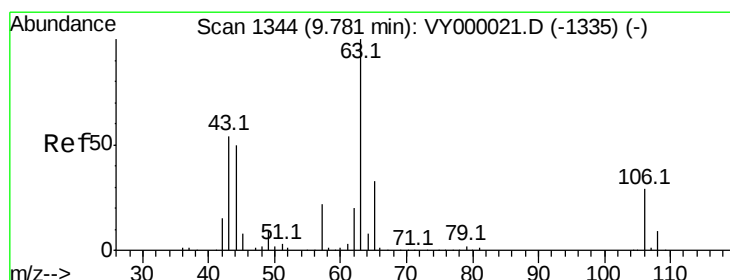
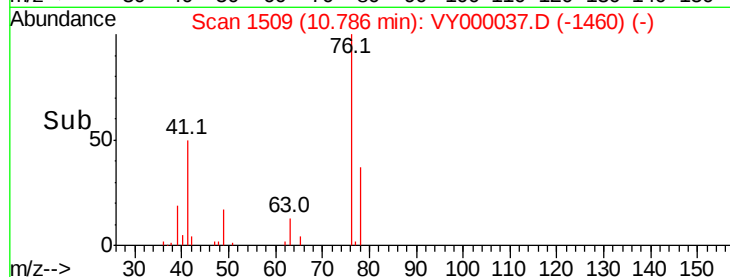
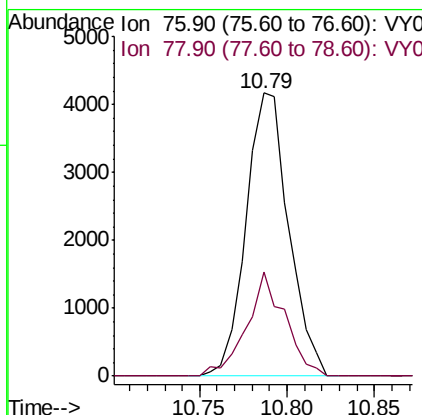
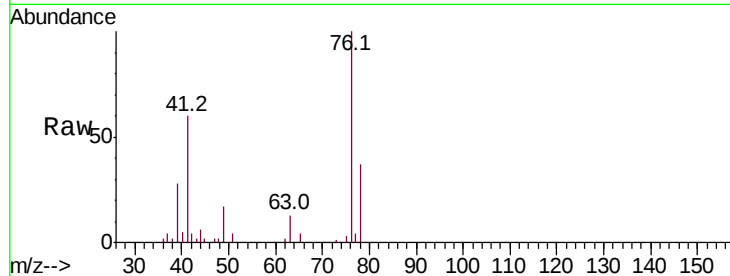




#57
 1,3-Dichloropropane
 Concen: 3.290 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

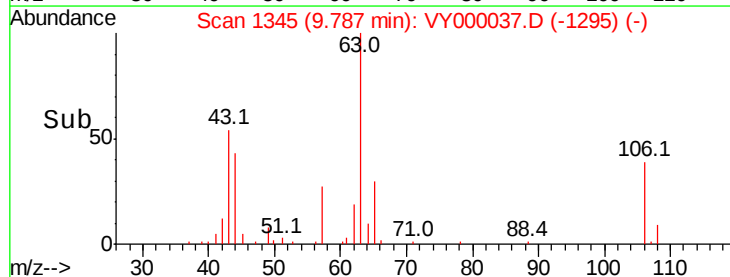
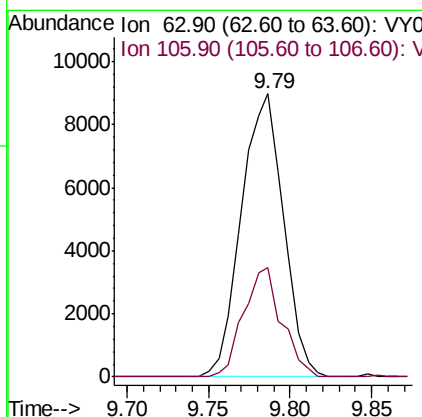
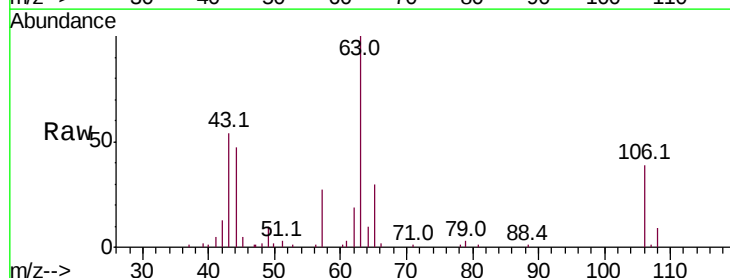
Instrument :
 MSVOA_Y
 ClientSampled :

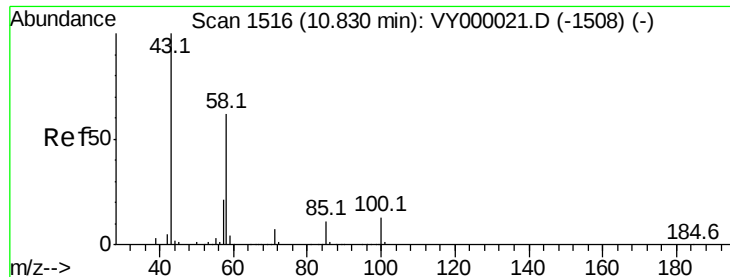
Tot Ion: 76 Resp: 7067
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.587 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion: 63 Resp: 16093
 Ion Ratio Lower Upper
 63 100
 106 35.1 23.7 35.5

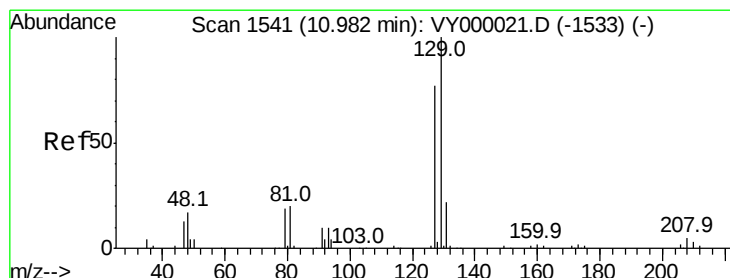
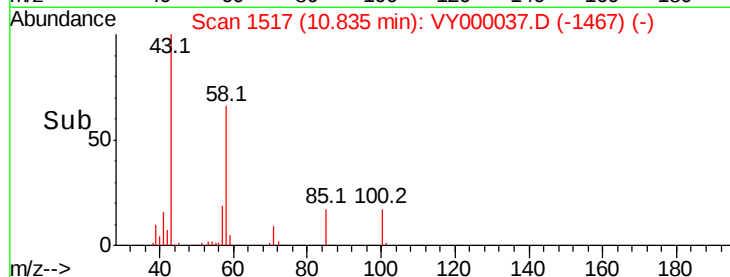
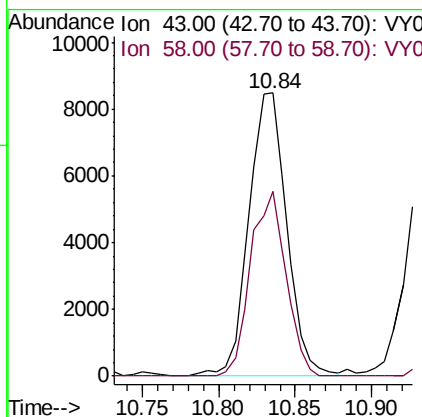
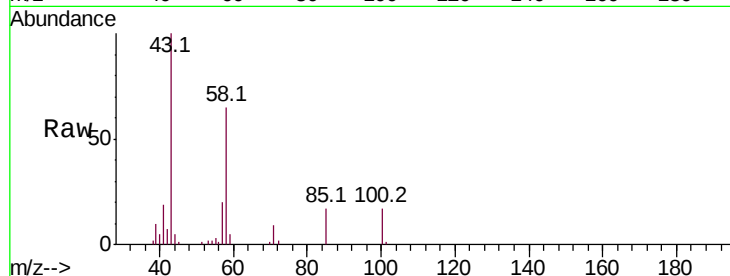




#59
2-Hexanone
Concen: 15.313 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

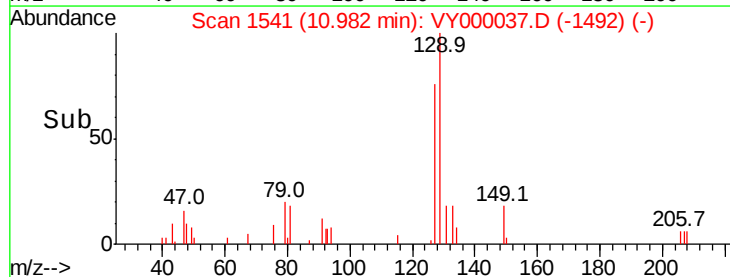
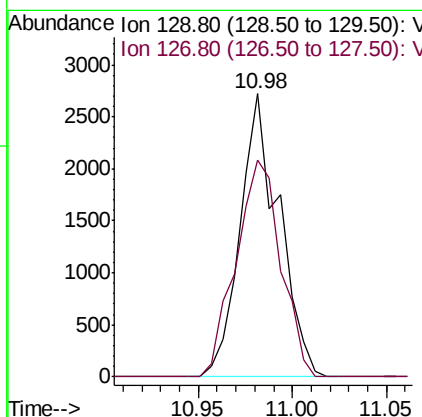
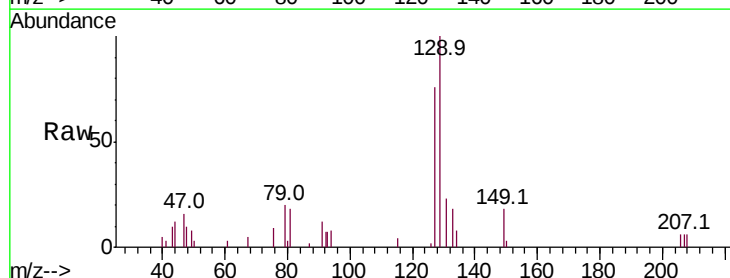
Instrument :
MSVOA_Y
ClientSampleId :

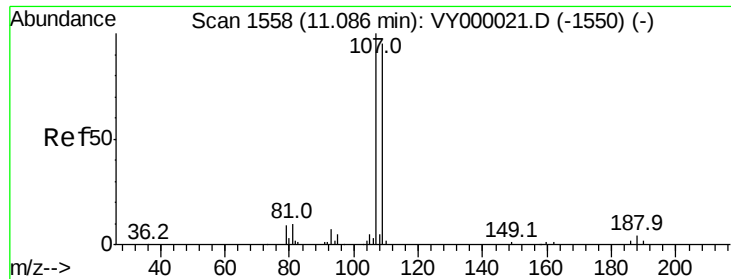
Tot Ion: 43 Resp: 14698
Ion Ratio Lower Upper
43 100
58 60.6 30.3 90.8



#60
Dibromochloromethane
Concen: 2.749 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 129 Resp: 3891
Ion Ratio Lower Upper
129 100
127 88.4 38.4 115.2

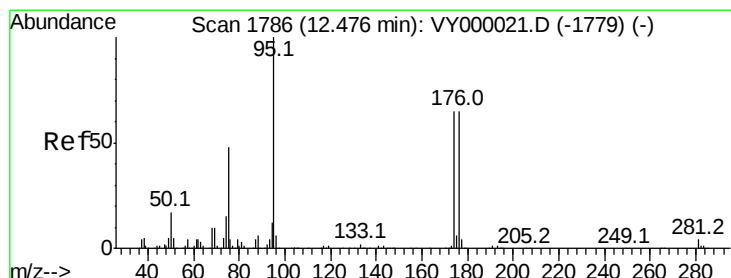
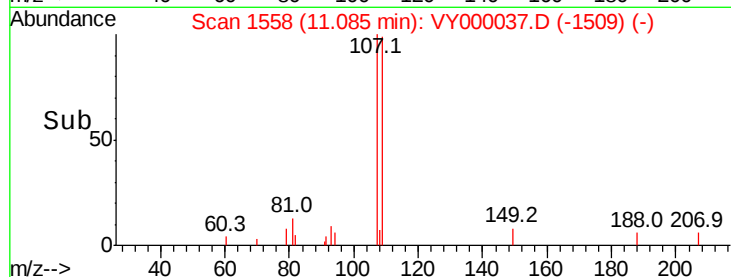
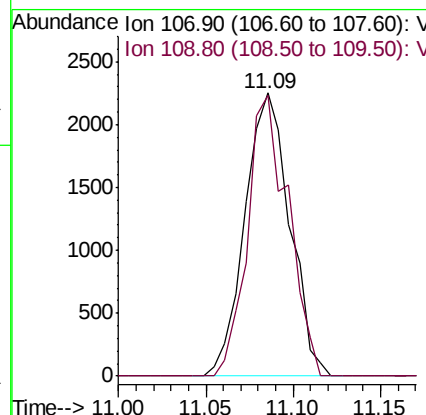
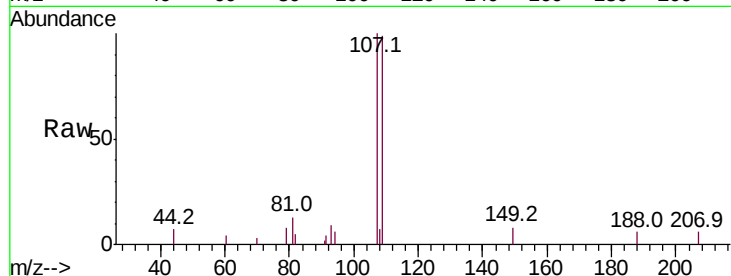




#61
 1,2-Dibromoethane
 Concen: 3.383 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

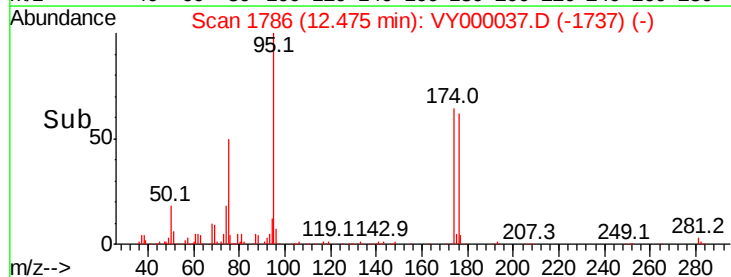
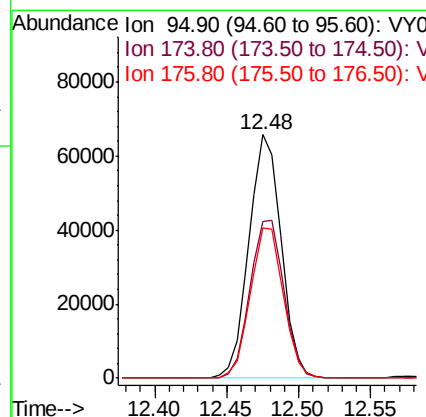
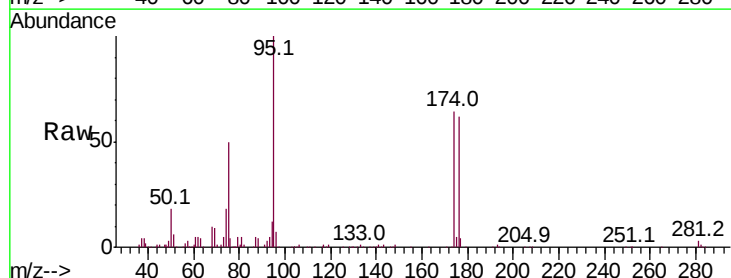
Instrument :
 MSVOA_Y
 ClientSampleId :

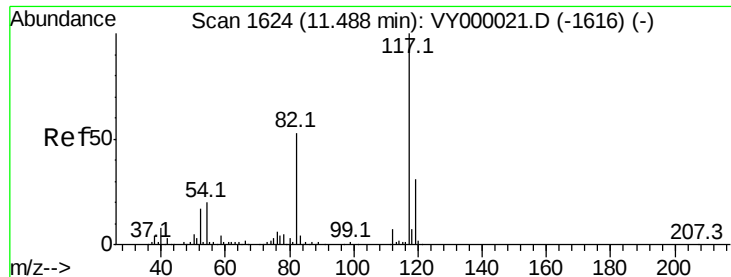
Tot Ion:107 Resp: 4013
 Ion Ratio Lower Upper
 107 100
 109 89.4 76.7 115.1



#62
 4-Bromofluorobenzene
 Concen: 48.821 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion: 95 Resp: 101551
 Ion Ratio Lower Upper
 95 100
 174 67.9 0.0 137.6
 176 63.4 0.0 134.8

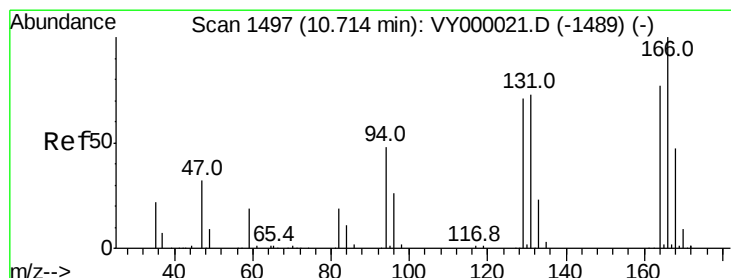
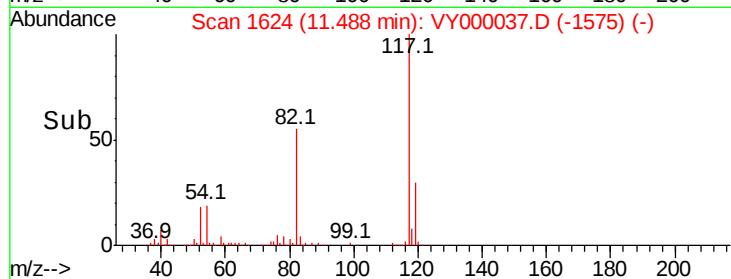
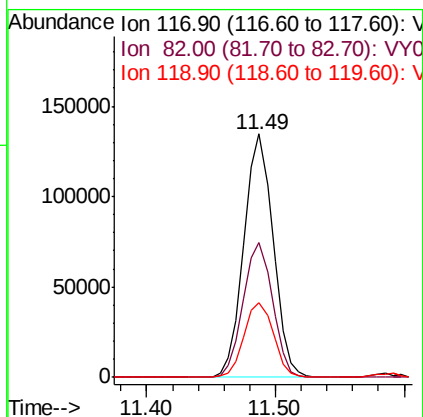
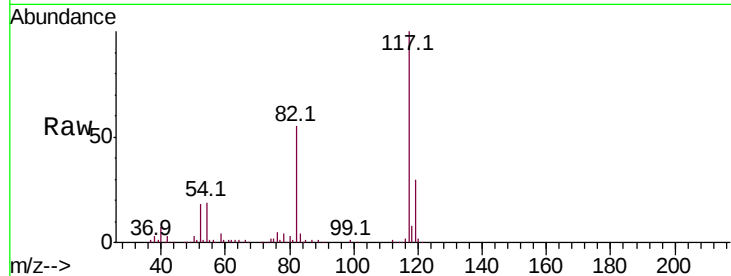




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

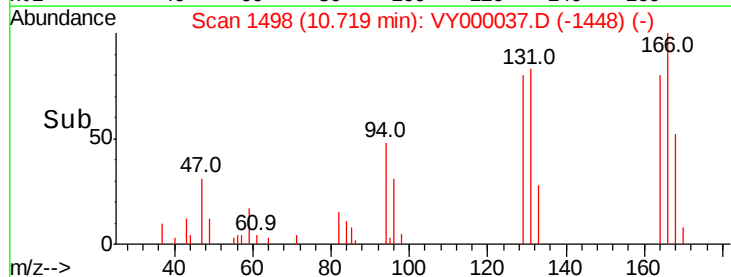
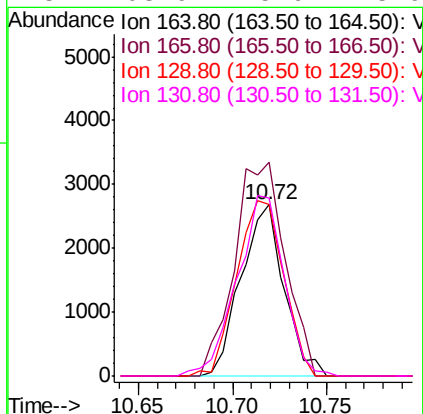
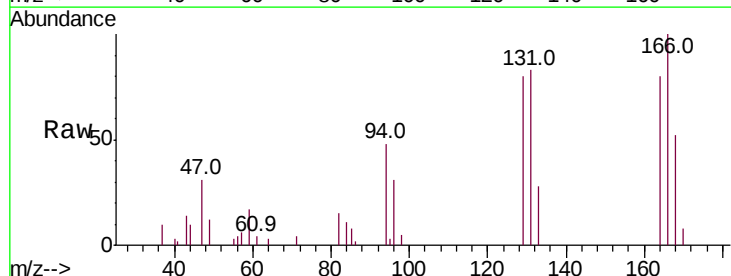
Instrument :
MSVOA_Y
ClientSampleId :

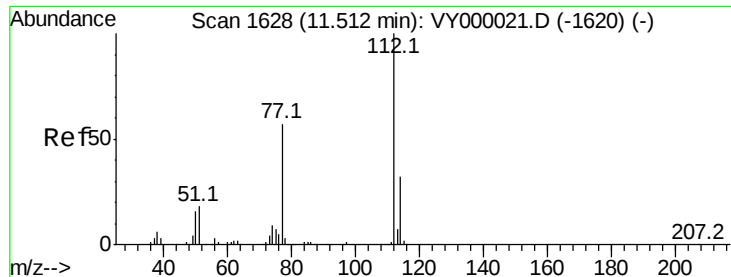
Tot Ion:117 Resp: 211425
Ion Ratio Lower Upper
117 100
82 55.2 42.5 63.7
119 30.5 25.1 37.7



#64
Tetrachloroethene
Concen: 3.273 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion:164 Resp: 4244
Ion Ratio Lower Upper
164 100
166 124.8 103.4 155.0
129 100.4 73.4 110.0
131 103.9 75.9 113.9

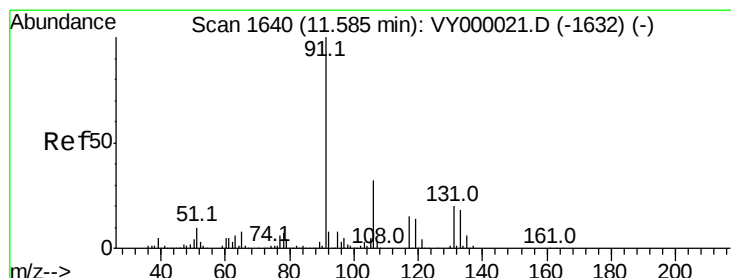
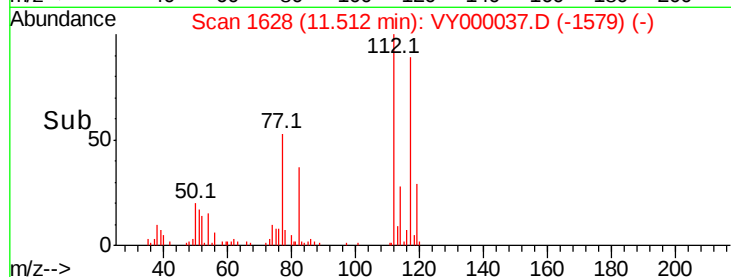
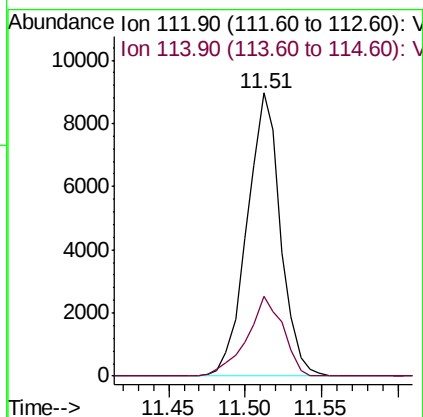
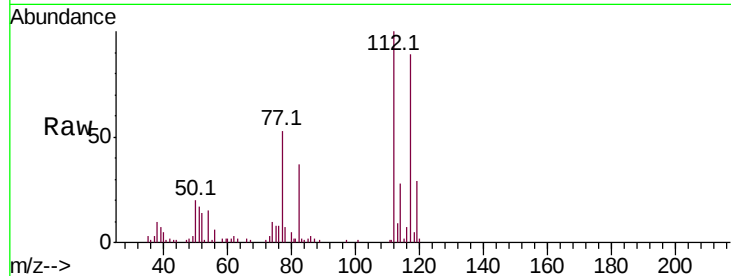




#65
Chlorobenzene
Concen: 3.377 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

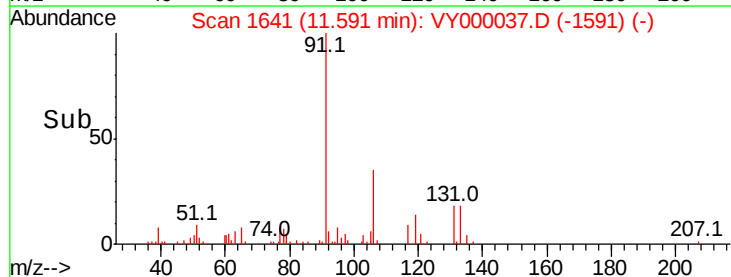
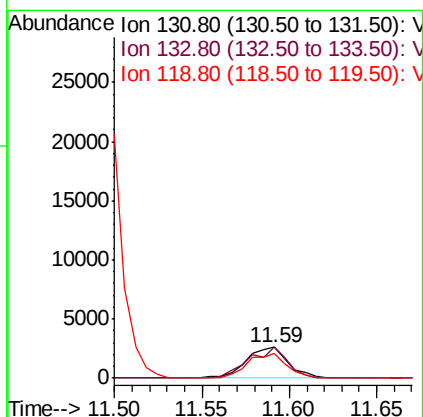
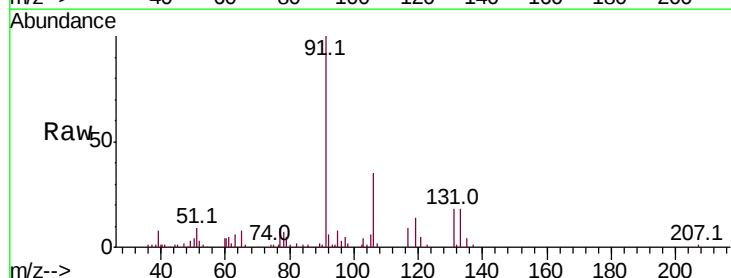
Instrument :
MSVOA_Y
ClientSampled :

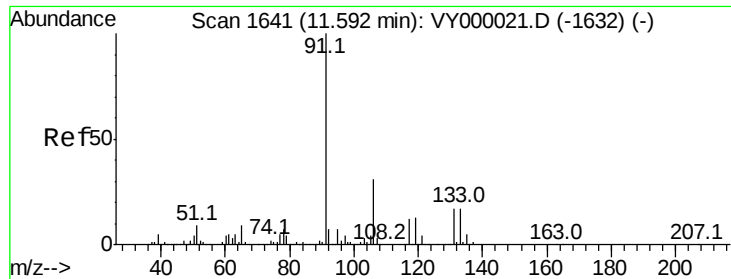
Tot Ion:112 Resp: 13606
Ion Ratio Lower Upper
112 100
114 28.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 3.114 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion:131 Resp: 4347
Ion Ratio Lower Upper
131 100
133 95.3 47.2 141.6
119 73.5 35.4 106.3

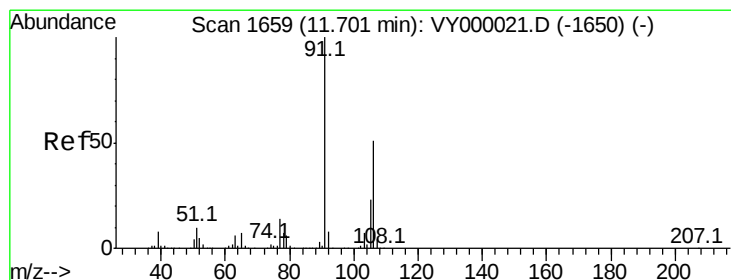
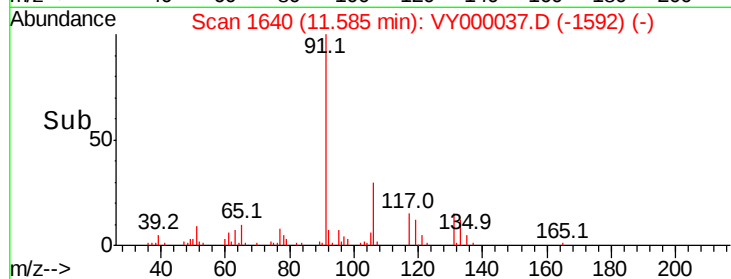
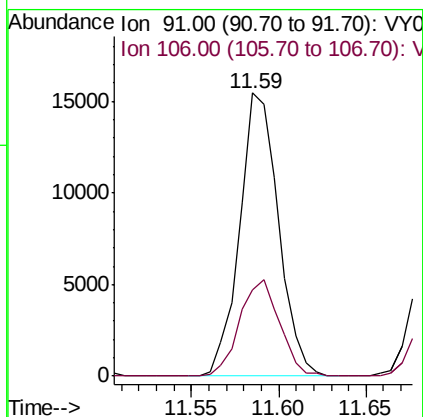
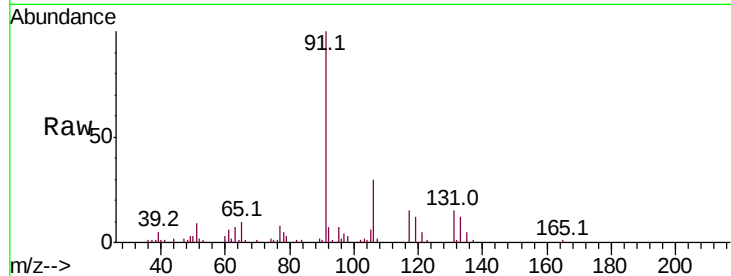




#67
Ethyl Benzene
Concen: 3.256 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

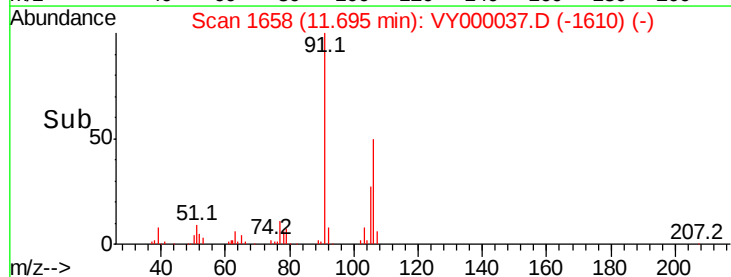
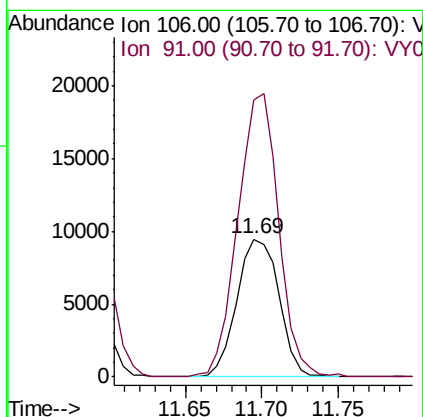
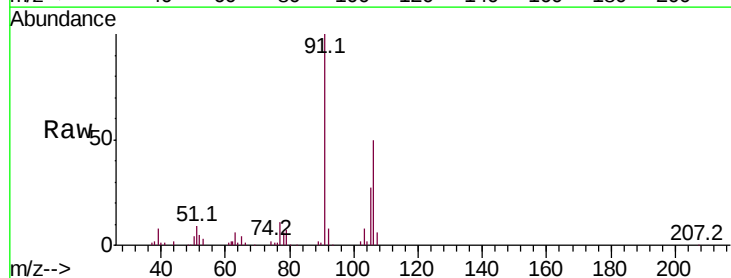
Instrument :
MSVOA_Y
ClientSampleId :

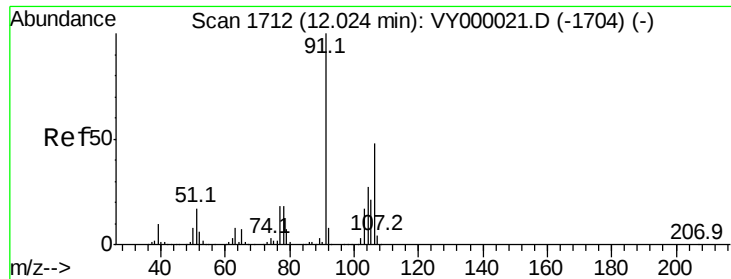
Tot Ion: 91 Resp: 23831
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0



#68
m/p-Xylenes
Concen: 6.550 ug/l
RT: 11.69 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 106 Resp: 18089
Ion Ratio Lower Upper
106 100
91 199.4 158.5 237.7

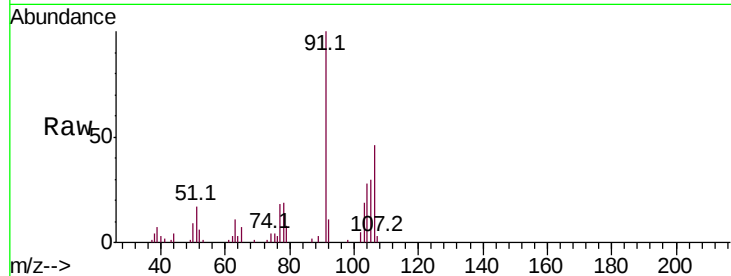




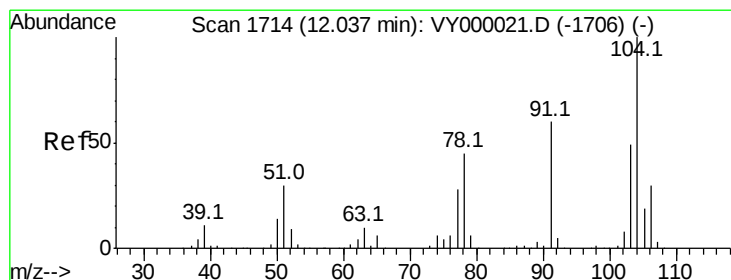
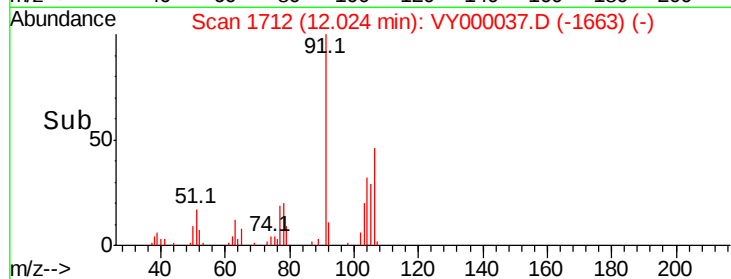
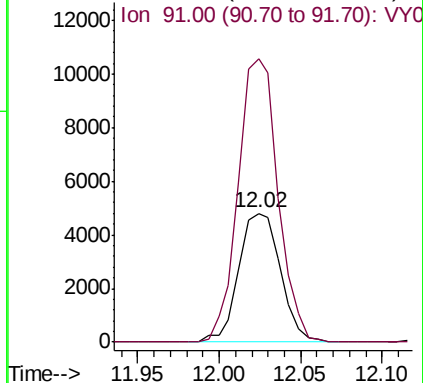
#69
o-Xylene
Concen: 3.156 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 8544
Ion Ratio Lower Upper
106 100
91 210.6 104.0 312.0

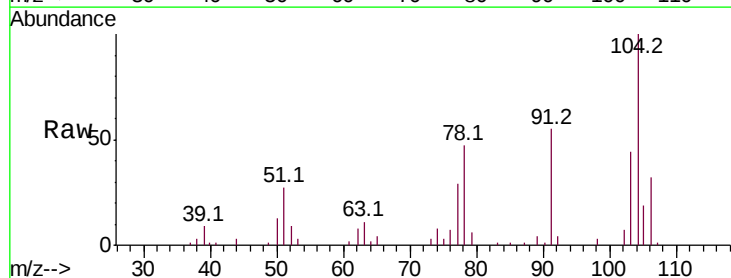


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

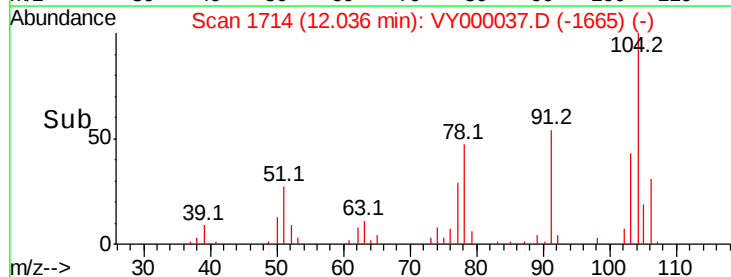
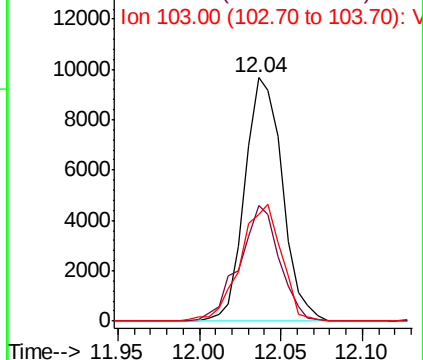


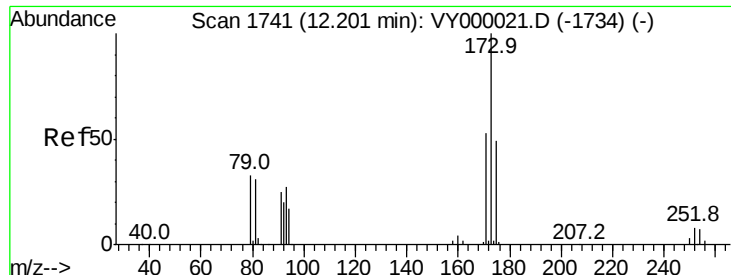
#70
Styrene
Concen: 3.294 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion:104 Resp: 15509
Ion Ratio Lower Upper
104 100
78 51.1 38.0 57.0
103 52.8 42.4 63.6



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





#71

Bromoform

Concen: 2.723 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

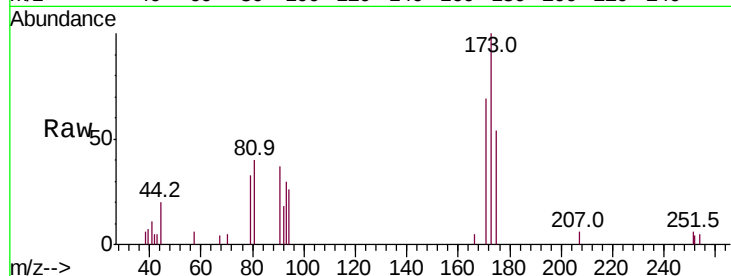
Tot Ion:173 Resp: 2295

Ion Ratio Lower Upper

173 100

175 55.8 25.1 75.4

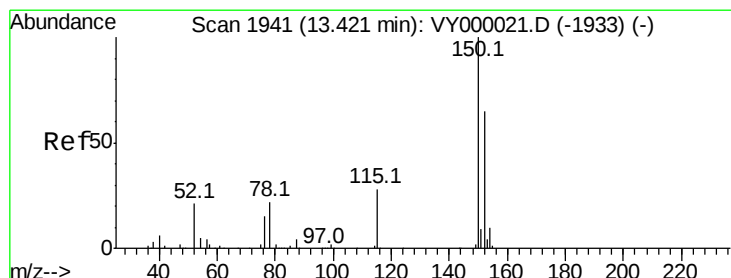
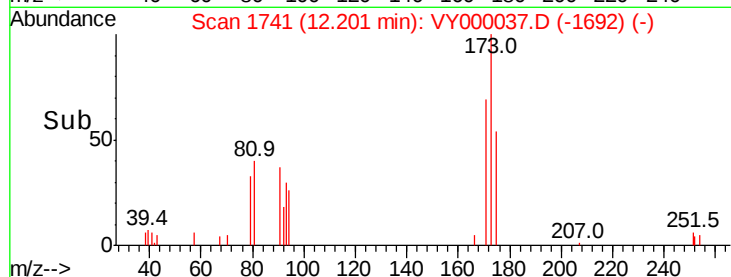
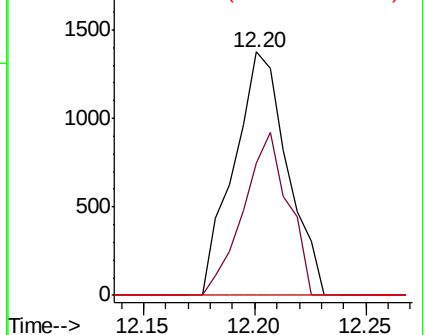
254 0.0 0.0 0.0



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: VY000037.D

Acq: 13 Sep 2019 11:17

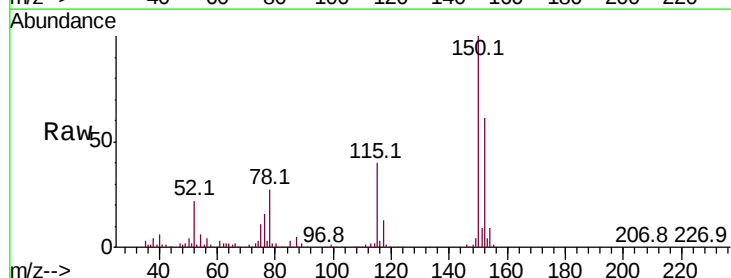
Tgt Ion:152 Resp: 88322

Ion Ratio Lower Upper

152 100

115 64.9 29.4 88.2

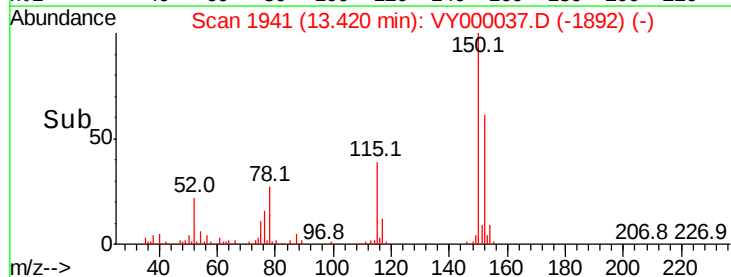
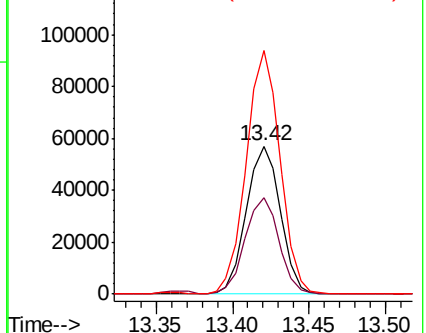
150 163.2 0.0 349.0

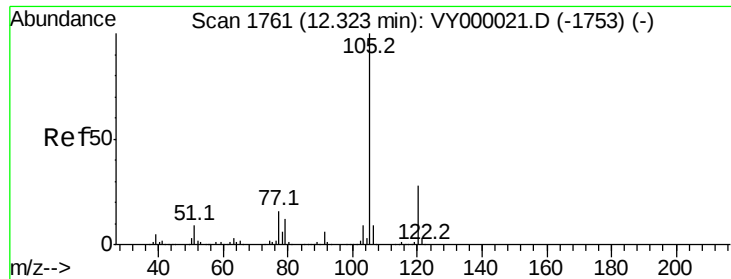


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.405 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

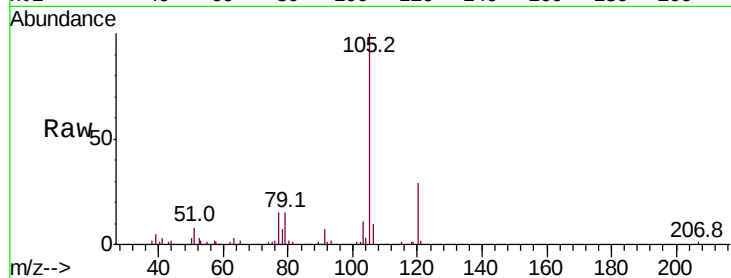
ClientSampleId :

Tot Ion:105 Resp: 22977

Ion Ratio Lower Upper

105 100

120 27.0 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.32

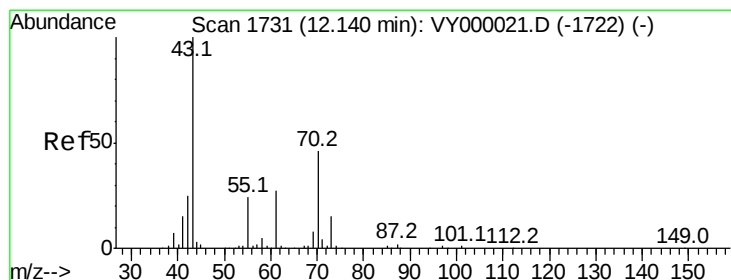
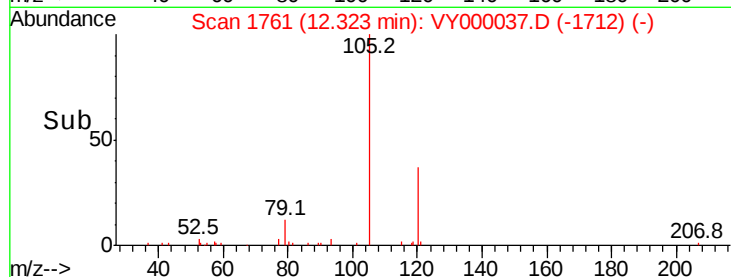
15000

10000

5000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 2.899 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Tgt Ion: 43 Resp: 5775

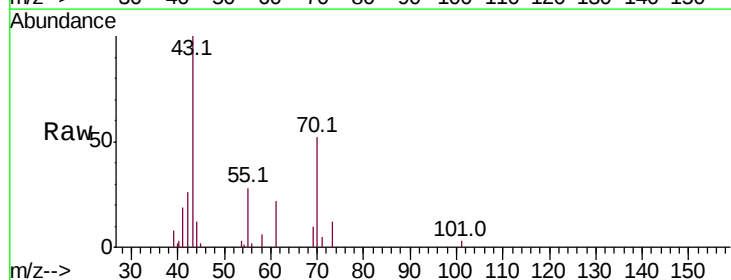
Ion Ratio Lower Upper

43 100

70 49.0 38.1 57.1

55 27.6 18.7 28.1

61 27.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

6000

5000

4000

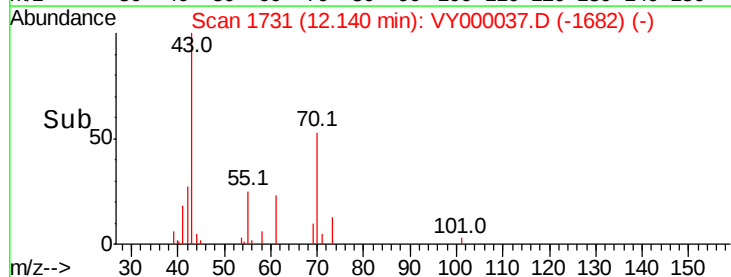
3000

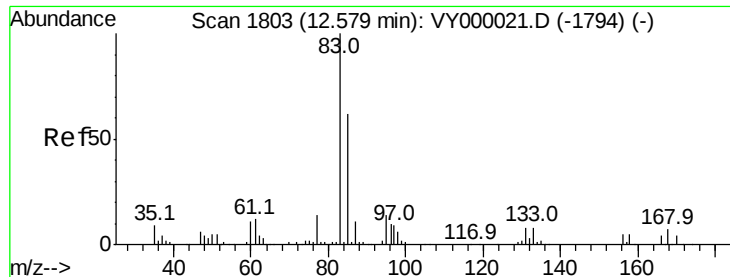
2000

1000

0

Time--> 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 3.533 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampled :

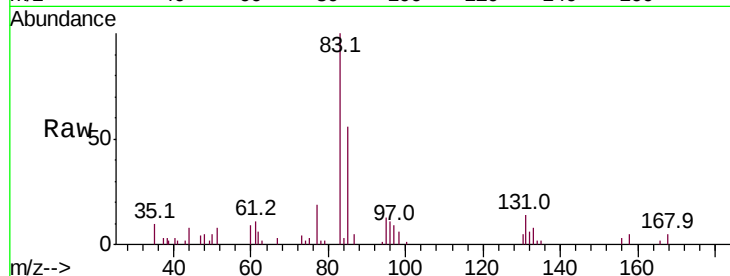
Tot Ion: 83 Resp: 5700

Ion Ratio Lower Upper

83 100

131 12.0 4.6 13.8

85 66.2 31.8 95.3



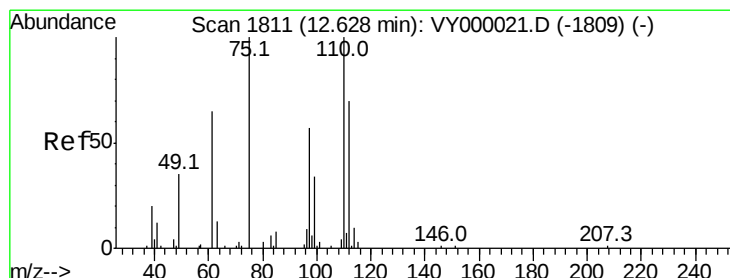
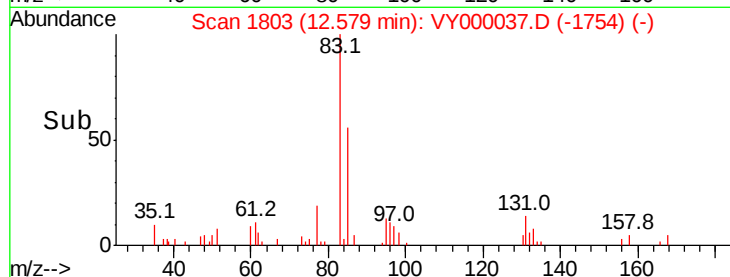
Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0

12.58

Time-->



#76

1,2,3-Trichloropropane

Concen: 5.549 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VY000037.D

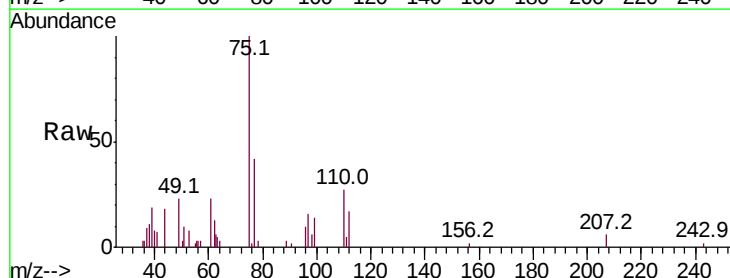
Acq: 13 Sep 2019 11:17

Tgt Ion: 75 Resp: 6807

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

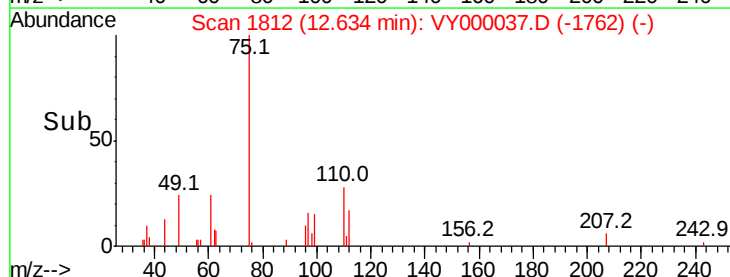


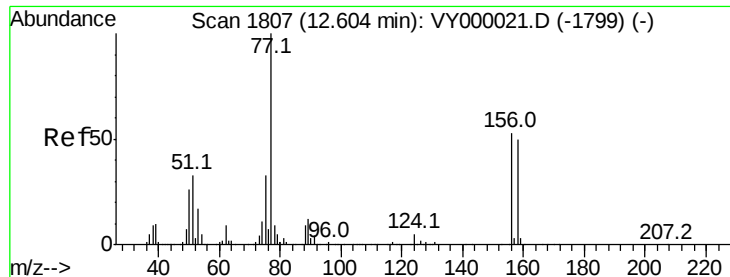
Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.63

Time-->





#77

Bromobenzene

Concen: 3.636 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

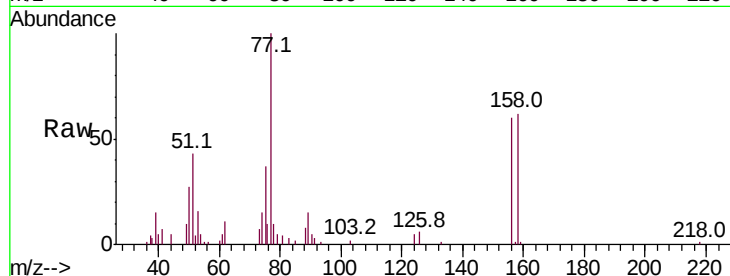
Tot Ion:156 Resp: 5190

Ion Ratio Lower Upper

156 100

77 195.5 106.0 317.9

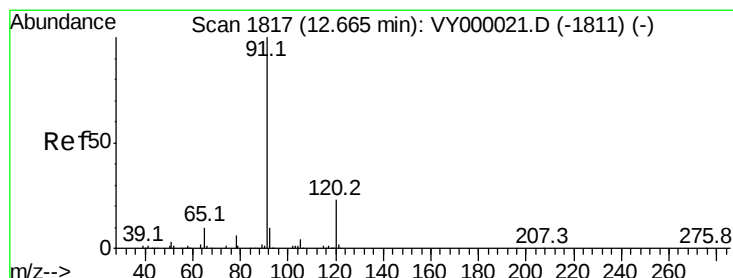
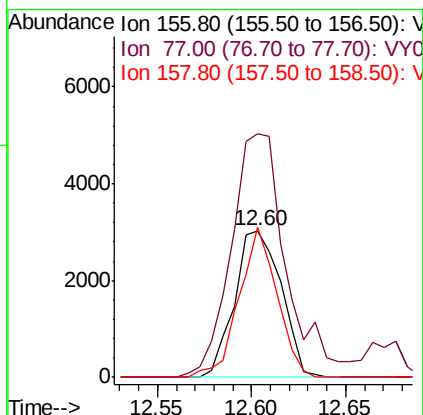
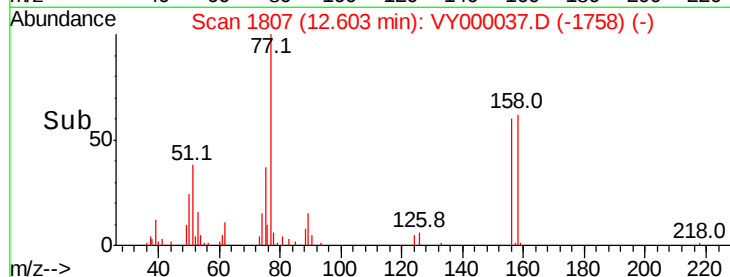
158 83.3 47.3 141.9



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: 3.419 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000037.D

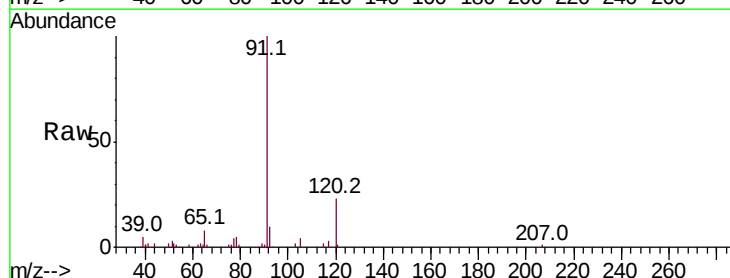
Acq: 13 Sep 2019 11:17

Tgt Ion: 91 Resp: 28201

Ion Ratio Lower Upper

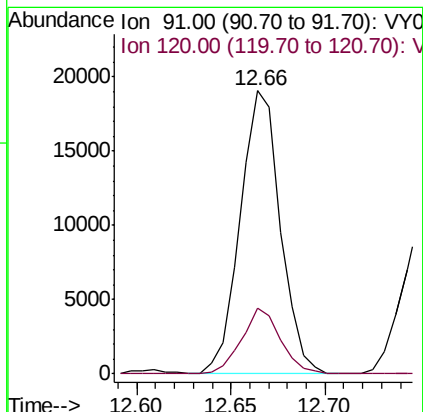
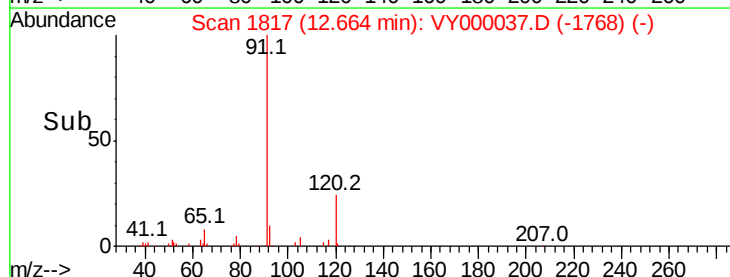
91 100

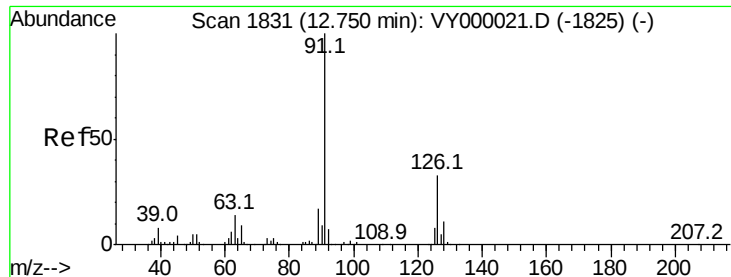
120 22.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

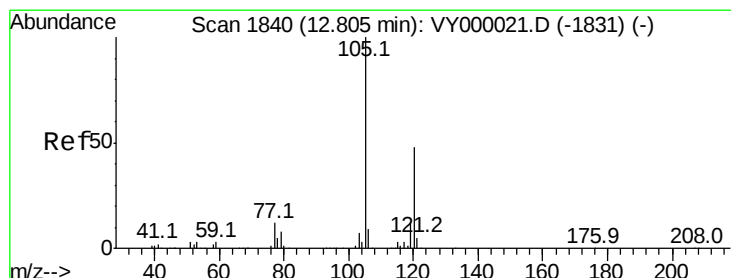
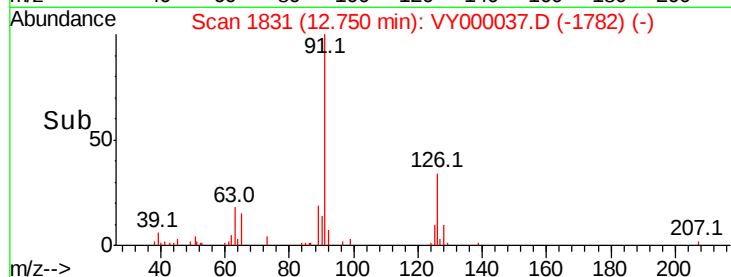
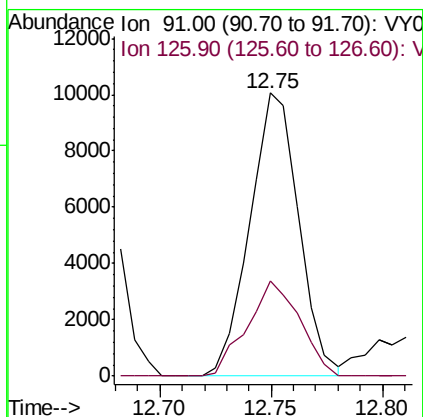
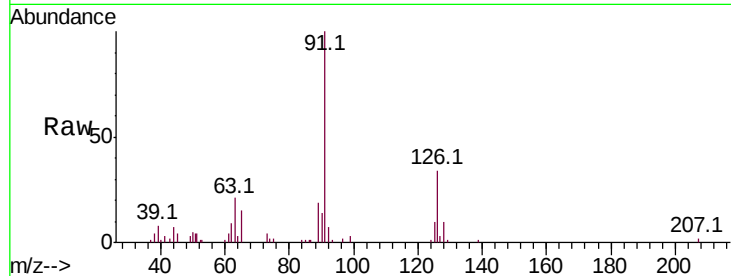




#79
 2-Chlorotoluene
 Concen: 3.337 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

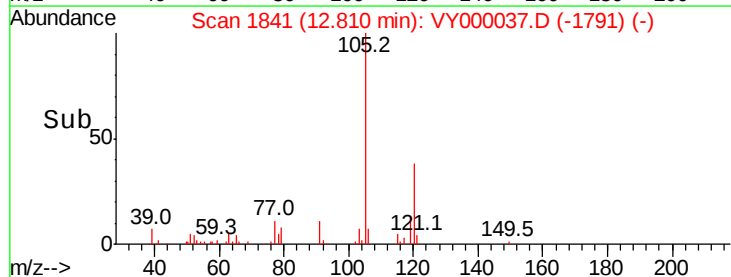
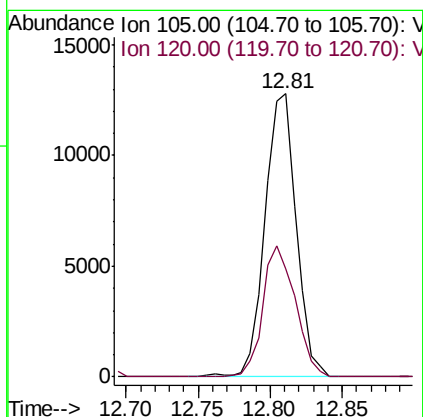
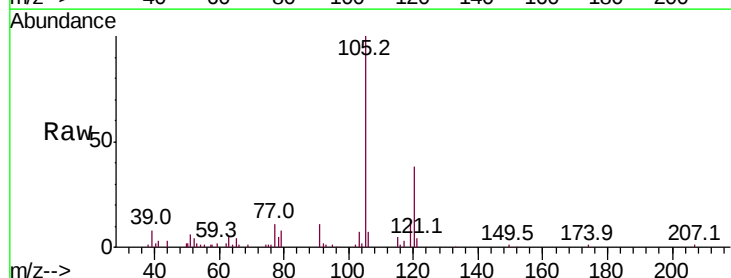
Instrument :
 MSVOA_Y
 ClientSampled :

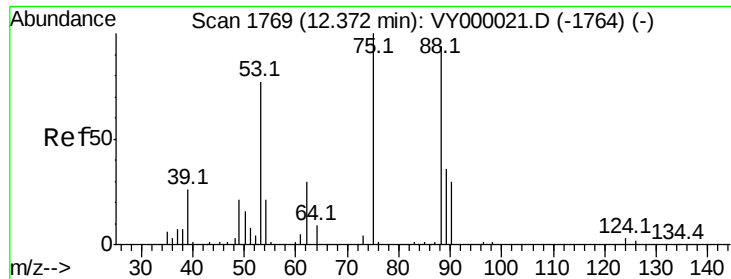
Tot Ion: 91 Resp: 15390
 Ion Ratio Lower Upper
 91 100
 126 36.0 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 3.405 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion:105 Resp: 19187
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 73.0

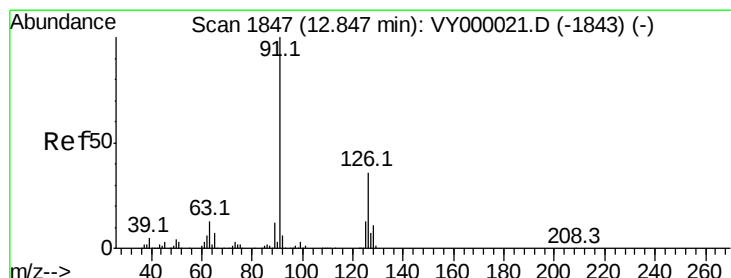
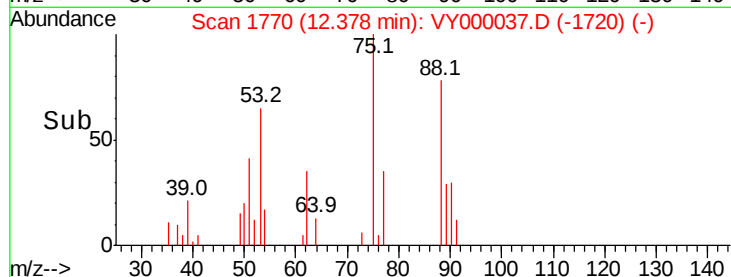
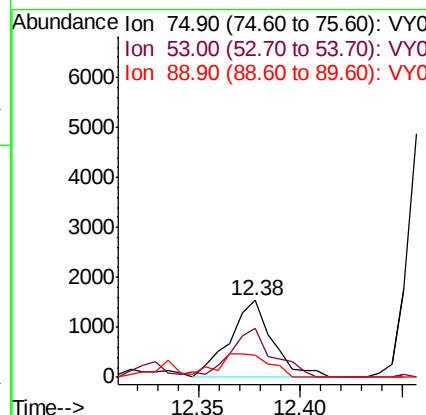
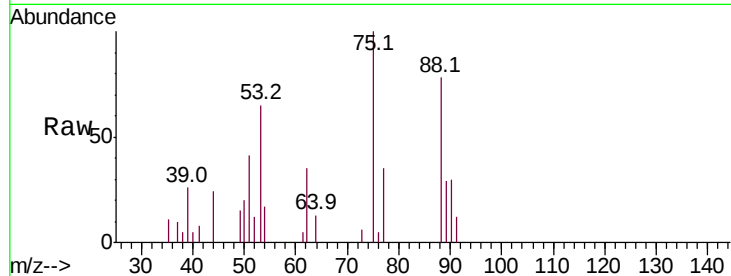




#81
trans-1,4-Dichloro-2-butene
Concen: 3.596 ug/l
RT: 12.38 min Scan# 1770
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

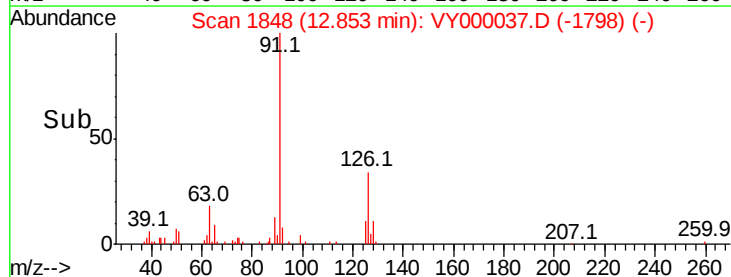
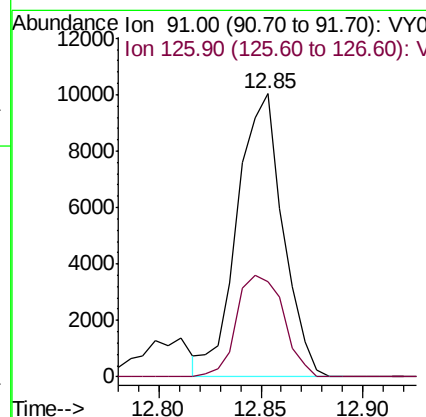
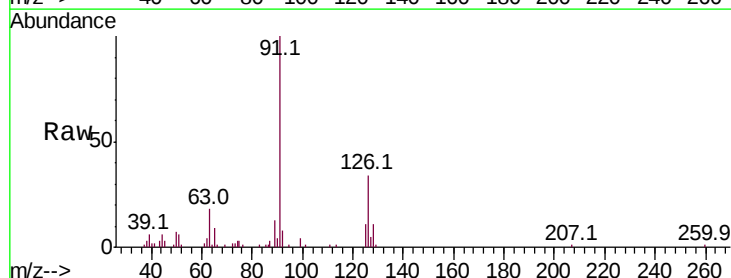
Instrument :
MSVOA_Y
ClientSampleId :

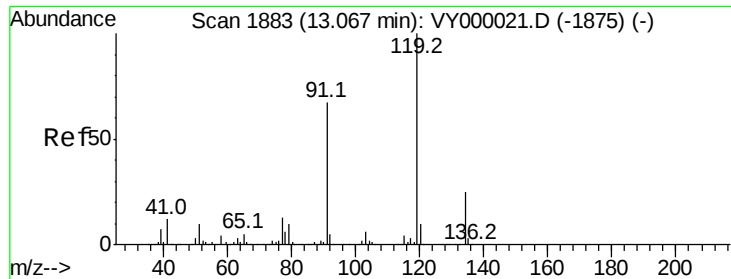
Tot Ion: 75 Resp: 2224
Ion Ratio Lower Upper
75 100
53 64.6 64.2 96.2
89 37.1 35.5 53.3



#82
4-Chlorotoluene
Concen: 3.231 ug/l
RT: 12.85 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VY000037.D
Acq: 13 Sep 2019 11:17

Tgt Ion: 91 Resp: 15638
Ion Ratio Lower Upper
91 100
126 36.6 17.2 51.5





#83

tert-Butylbenzene

Concen: 3.446 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampled :

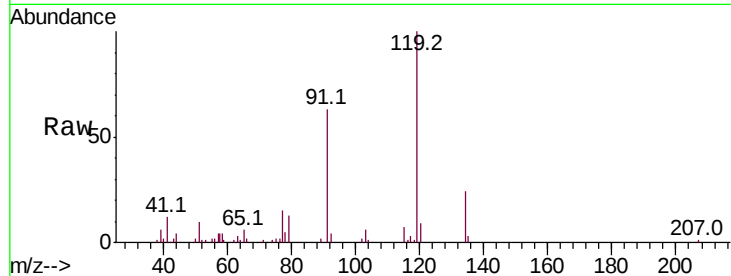
Tot Ion:119 Resp: 16685

Ion Ratio Lower Upper

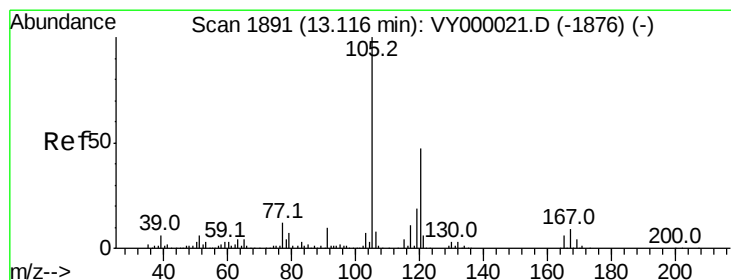
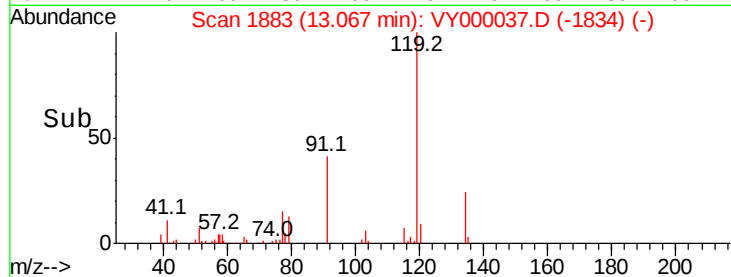
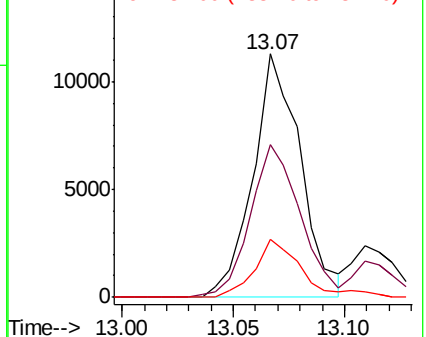
119 100

91 66.2 33.1 99.5

134 23.7 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.319 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000037.D

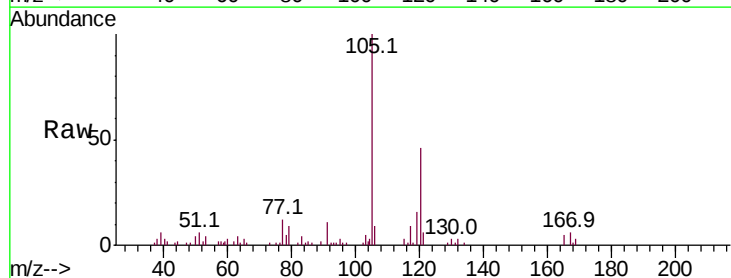
Acq: 13 Sep 2019 11:17

Tgt Ion:105 Resp: 18475

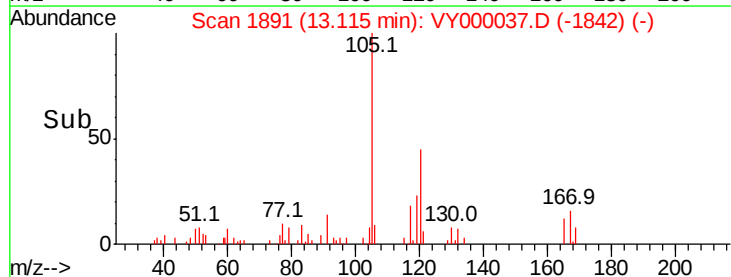
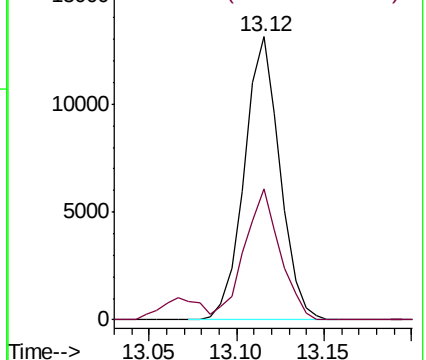
Ion Ratio Lower Upper

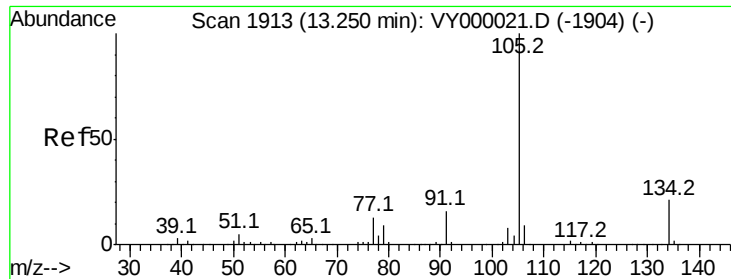
105 100

120 46.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.324 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

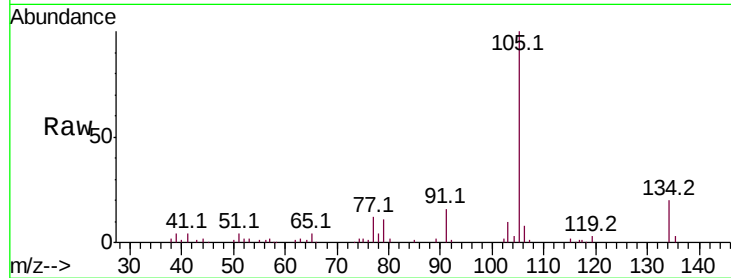
ClientSampleId :

Tot Ion:105 Resp: 23753

Ion Ratio Lower Upper

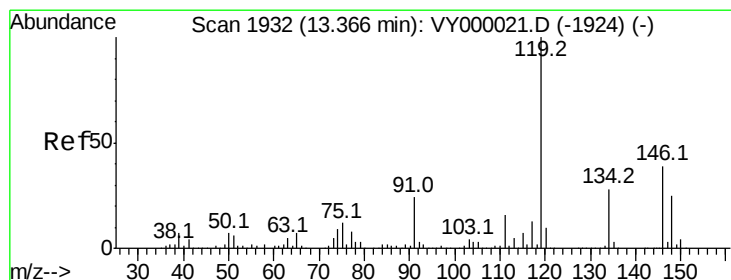
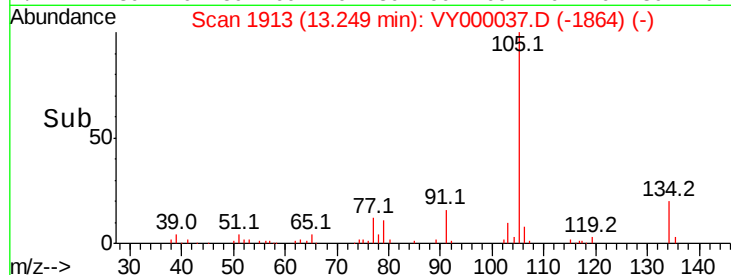
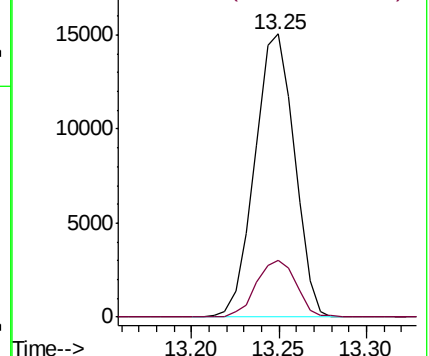
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.334 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

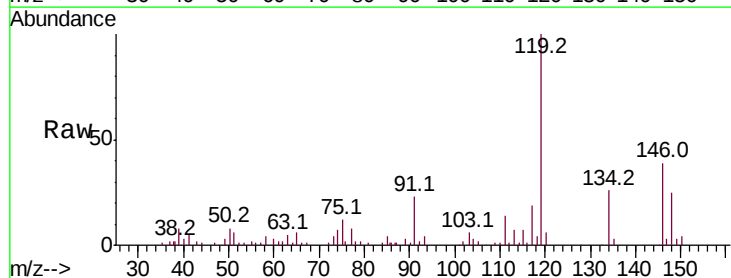
Tgt Ion:119 Resp: 20208

Ion Ratio Lower Upper

119 100

134 27.3 13.8 41.3

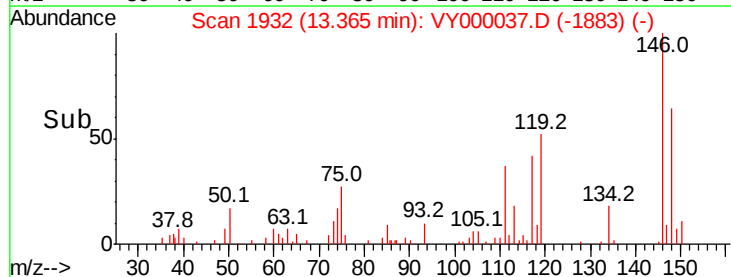
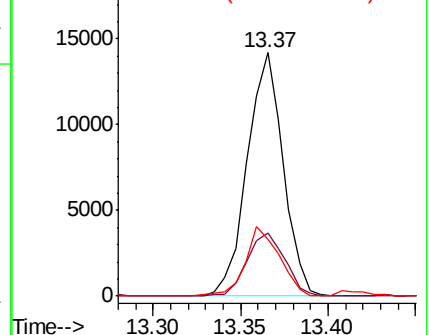
91 27.0 12.4 37.2

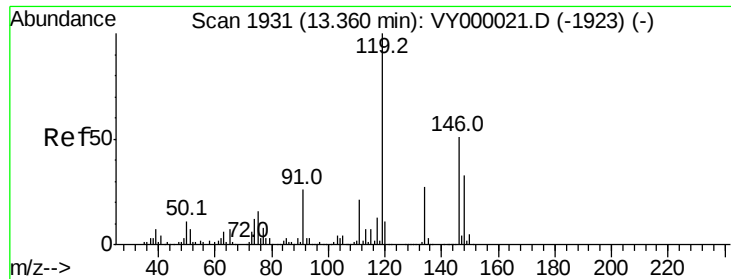


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

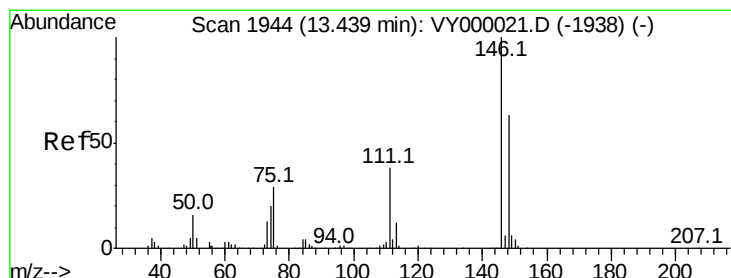
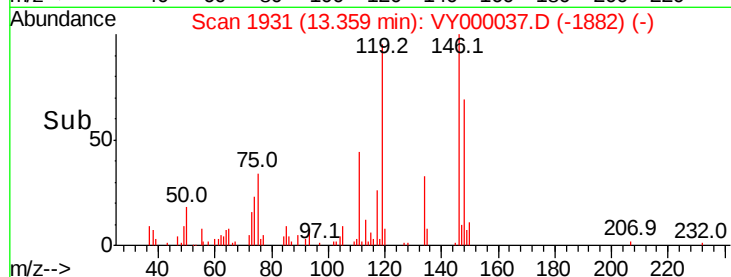
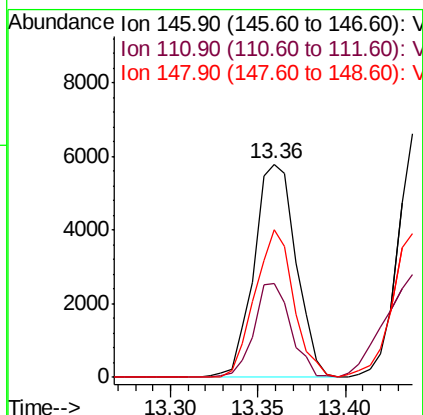
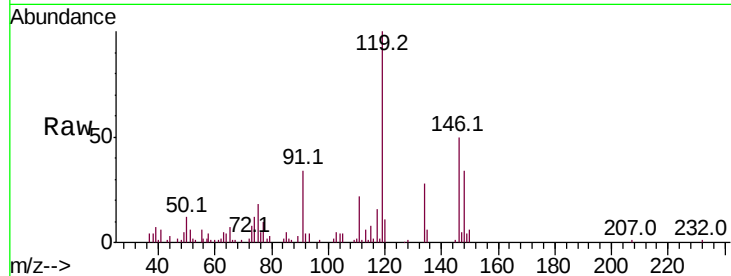




#87
 1,3-Dichlorobenzene
 Concen: 3.375 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

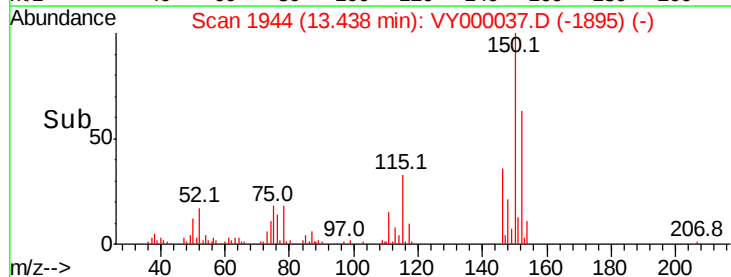
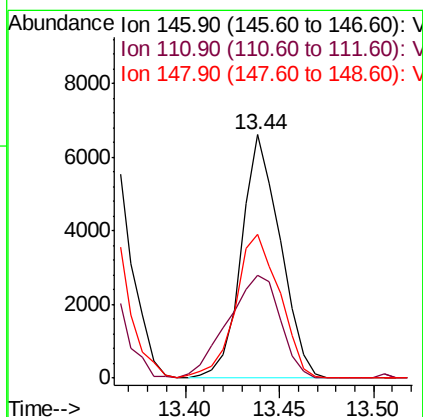
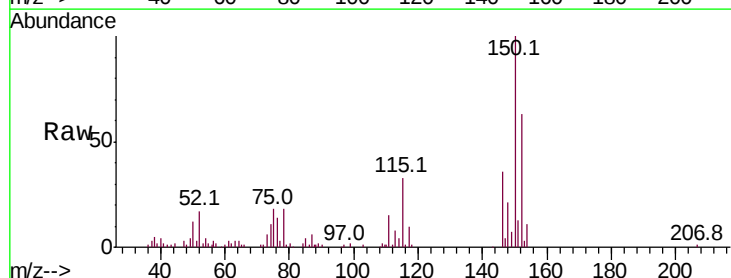
Instrument :
 MSVOA_Y
 ClientSampleId :

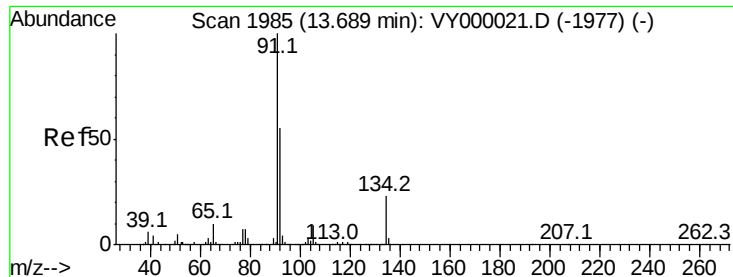
Tot Ion:146 Resp: 9697
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.2 63.6
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 3.261 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Tgt Ion:146 Resp: 9428
 Ion Ratio Lower Upper
 146 100
 111 57.2 20.3 60.9
 148 67.6 31.7 95.1





#89

n-Butylbenzene

Concen: 3.306 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

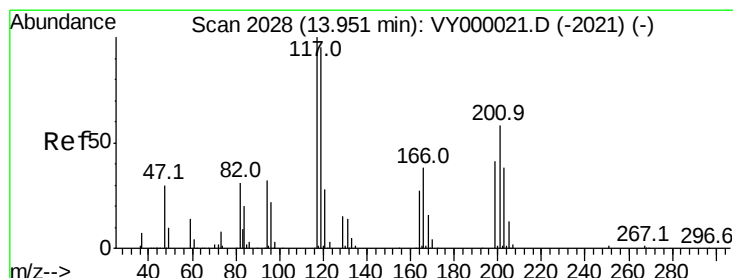
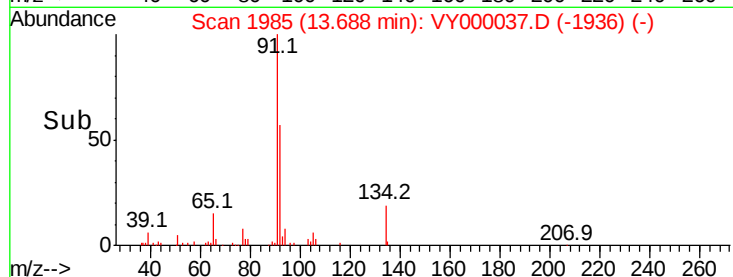
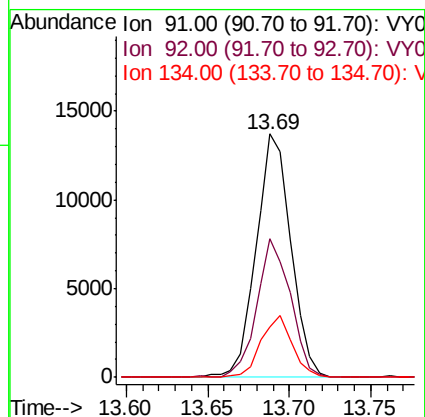
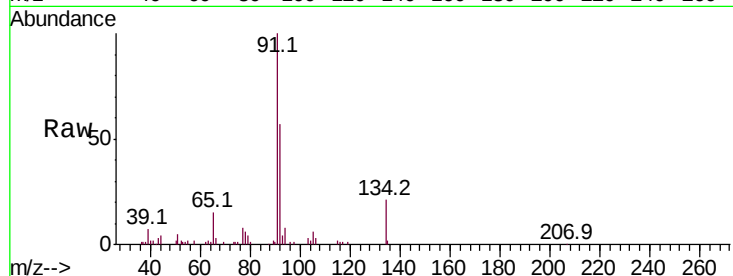
Tot Ion: 91 Resp: 20309

Ion Ratio Lower Upper

91 100

92 55.0 27.2 81.6

134 22.8 12.6 37.6



#90

Hexachloroethane

Concen: 3.270 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VY000037.D

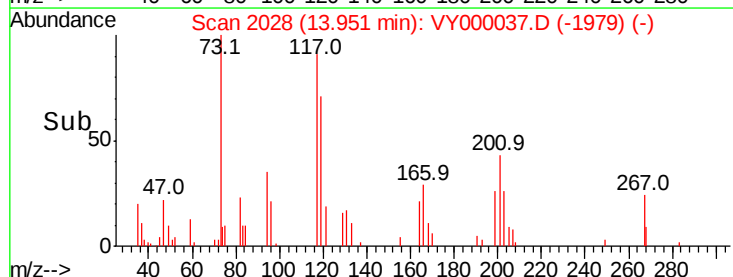
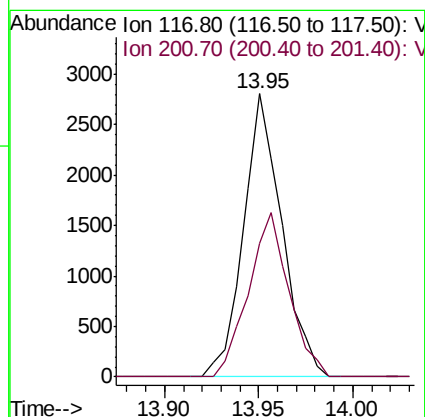
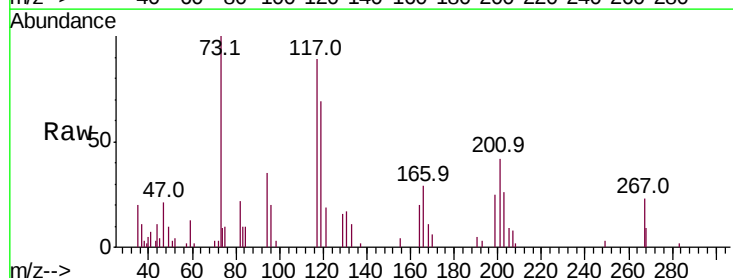
Acq: 13 Sep 2019 11:17

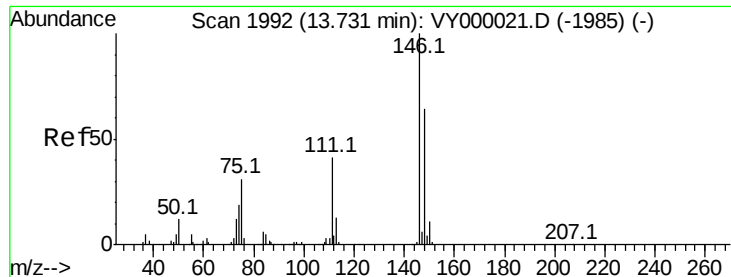
Tgt Ion: 117 Resp: 3961

Ion Ratio Lower Upper

117 100

201 61.2 31.4 94.0





#91

1,2-Dichlorobenzene

Concen: 2.918 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

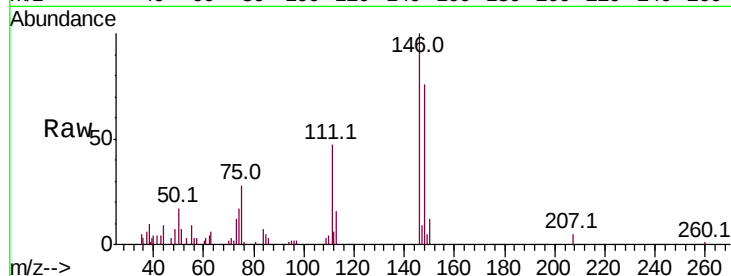
Tot Ion:146 Resp: 7801

Ion Ratio Lower Upper

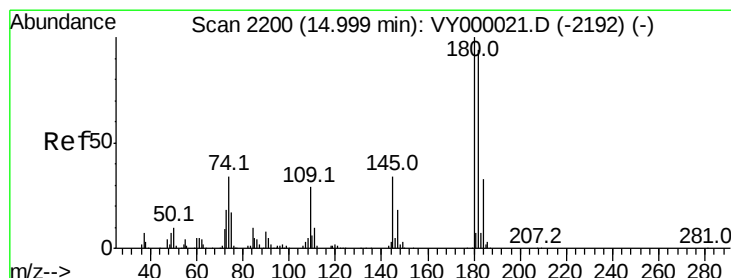
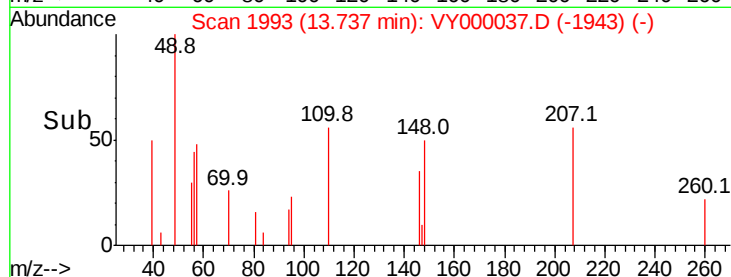
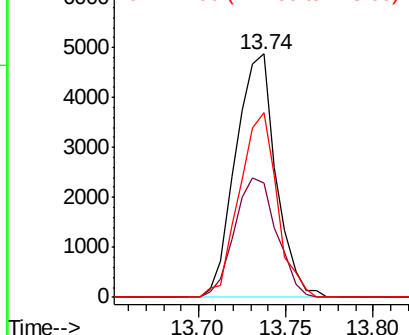
146 100

111 51.4 21.0 63.0

148 71.3 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.247 ug/l

RT: 15.00 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

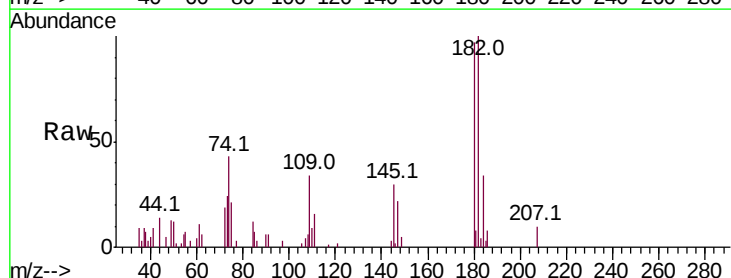
Tgt Ion:180 Resp: 5539

Ion Ratio Lower Upper

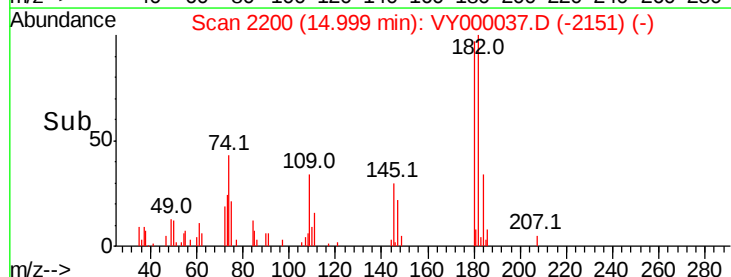
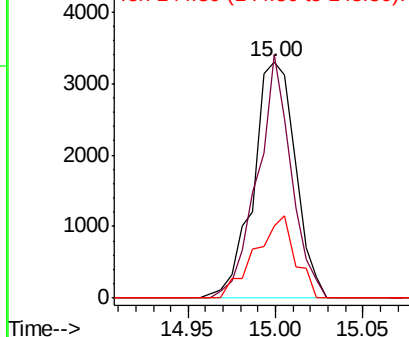
180 100

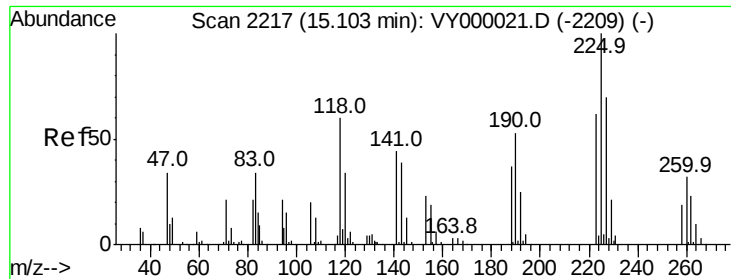
182 82.4 47.0 141.0

145 32.9 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 3.172 ug/l

RT: 15.10 min Scan# 2216

Delta R.T. -0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

Instrument :

MSVOA_Y

ClientSampleId :

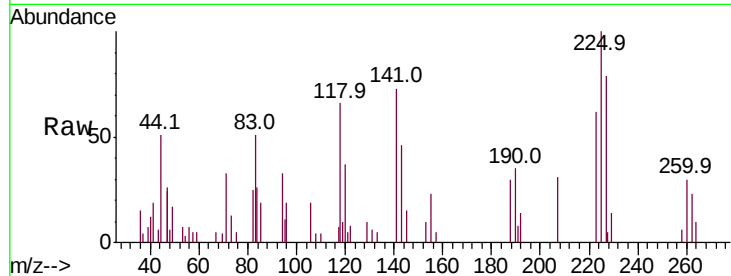
Tot Ion:225 Resp: 2482

Ion Ratio Lower Upper

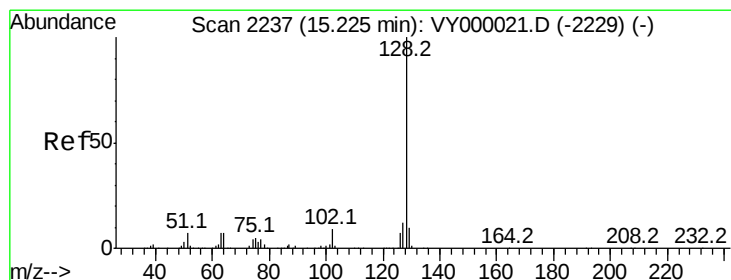
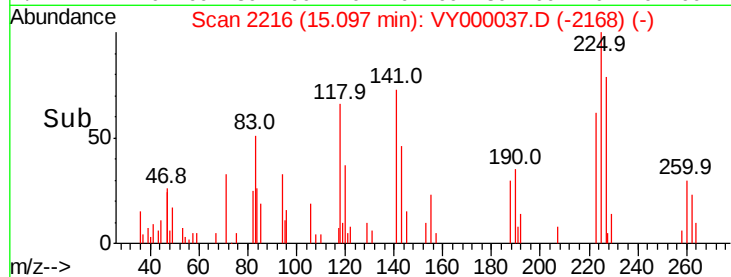
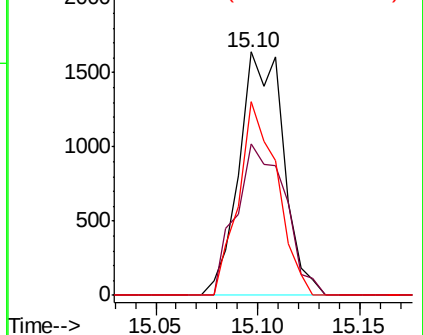
225 100

223 68.4 30.9 92.7

227 68.9 31.0 93.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.003 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VY000037.D

Acq: 13 Sep 2019 11:17

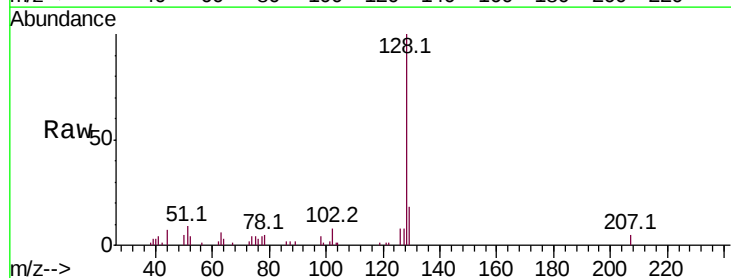
Tgt Ion:128 Resp: 14016

Ion Ratio Lower Upper

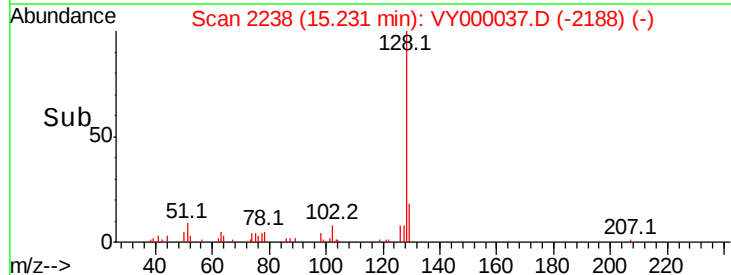
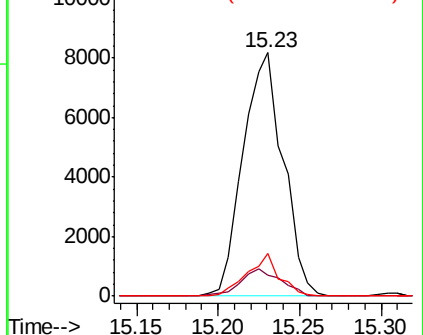
128 100

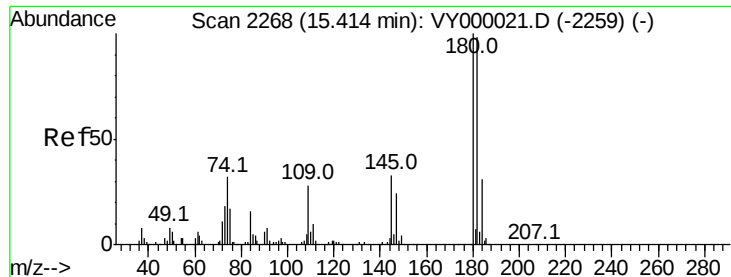
127 11.2 9.8 14.8

129 14.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

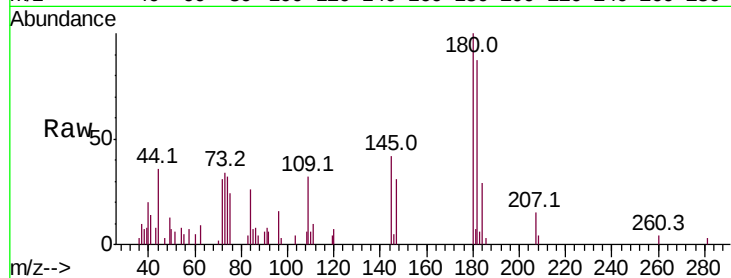




#96
 1,2,3-Trichlorobenzene
 Concen: 2.973 ug/l
 RT: 15.41 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VY000037.D
 Acq: 13 Sep 2019 11:17

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.0	46.8	140.4
145	47.0	17.3	51.7



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

