

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000038.D
 Acq On : 13 Sep 2019 11:39
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 13 12:41:13 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	123340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	239803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	207860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	88212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	66536	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	7.72	113	66694	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.18	98	278068	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.48	95	96465	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4021	4.421	ug/l	100
4) Vinyl Chloride	2.25	62	5972	4.330	ug/l	97
5) Bromomethane	2.63	94	4551	4.254	ug/l	93
6) Chloroethane	2.78	64	3761	4.096	ug/l	98
7) Trichlorofluoromethane	3.12	101	7936	4.428	ug/l	97
8) Diethyl Ether	3.53	74	2952	4.008	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	4698	3.852	ug/l	94
10) Methyl Iodide	4.09	142	3721	2.790	ug/l #	93
11) Tert butyl alcohol	4.98	59	2100	12.432	ug/l	95
12) 1,1-Dichloroethene	3.87	96	4346	3.824	ug/l #	80
13) Acrolein	3.73	56	2691	Below Cal		93
14) Allyl chloride	4.48	41	8180	4.635	ug/l	91
15) Acrylonitrile	5.17	53	8419	18.016	ug/l	97
16) Acetone	3.96	43	6228	16.905	ug/l	91
17) Carbon Disulfide	4.18	76	10980	3.145	ug/l	99
18) Methyl Acetate	4.48	43	4099	3.954	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	12324	3.580	ug/l	96
20) Methylene Chloride	4.71	84	7426	2.065	ug/l #	93
21) trans-1,2-Dichloroethene	5.21	96	5362	4.260	ug/l #	91
22) Diisopropyl ether	6.12	45	13499	3.465	ug/l #	92
23) Vinyl Acetate	6.06	43	47138	17.490	ug/l	94
24) 1,1-Dichloroethane	6.02	63	9091	3.938	ug/l #	94
25) 2-Butanone	6.99	43	11958	19.970	ug/l #	87
26) 2,2-Dichloropropane	6.99	77	9598	4.475	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	5981	3.767	ug/l	82
28) Bromochloromethane	7.33	49	3587	3.383	ug/l #	94
29) Tetrahydrofuran	7.36	42	6214	17.445	ug/l	91
30) Chloroform	7.51	83	9847	4.136	ug/l	95
31) Cyclohexane	7.78	56	10638	2.825	ug/l #	90
32) 1,1,1-Trichloroethane	7.70	97	7643	3.913	ug/l	95
36) 1,1-Dichloropropene	7.92	75	6629	3.765	ug/l	92
37) Ethyl Acetate	7.09	43	3348	2.820	ug/l #	87
38) Carbon Tetrachloride	7.90	117	6219	3.742	ug/l #	85
39) Methylcyclohexane	9.18	83	8998	4.136	ug/l	98

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 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)
40) Benzene	8.16	78	21681	3.782	ug/l	98
41) Methacrylonitrile	7.31	41	1289	1.866	ug/l #	32
42) 1,2-Dichloroethane	8.24	62	5789	3.952	ug/l	95
43) Isopropyl Acetate	8.28	43	7571	3.291	ug/l	96
44) Trichloroethene	8.93	130	5015	3.504	ug/l	88
45) 1,2-Dichloropropane	9.22	63	5426	3.671	ug/l	98
46) Dibromomethane	9.31	93	2590	3.157	ug/l	87
47) Bromodichloromethane	9.49	83	6741	3.442	ug/l	94
48) Methyl methacrylate	9.29	41	3876	3.818	ug/l	95
49) 1,4-Dioxane	9.31	88	1233	71.773	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	21675	16.813	ug/l	96
52) Toluene	10.24	92	13742	3.815	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	7086	3.442	ug/l #	83
54) cis-1,3-Dichloropropene	9.93	75	8193	3.420	ug/l #	91
55) 1,1,2-Trichloroethane	10.64	97	3930	3.023	ug/l	89
56) Ethyl methacrylate	10.51	69	6543	3.586	ug/l	94
57) 1,3-Dichloropropane	10.79	76	7622	3.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	15777	15.787	ug/l	97
59) 2-Hexanone	10.83	43	14769	15.897	ug/l	100
60) Dibromochloromethane	10.99	129	4488	3.277	ug/l	98
61) 1,2-Dibromoethane	11.09	107	3874	3.374	ug/l	96
64) Tetrachloroethene	10.72	164	5043	3.956	ug/l #	78
65) Chlorobenzene	11.51	112	13664	3.450	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	4651	3.389	ug/l	95
67) Ethyl Benzene	11.59	91	25693	3.571	ug/l	95
68) m/p-Xylenes	11.70	106	19016	7.003	ug/l	99
69) o-Xylene	12.02	106	9675	3.636	ug/l	96
70) Stvrene	12.04	104	15177	3.278	ug/l	98
71) Bromoform	12.20	173	2383	2.876	ug/l #	98
73) Isopropylbenzene	12.32	105	24464	3.630	ug/l	100
74) N-amyl acetate	12.14	43	6323	3.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	5570	3.456	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	7606	6.208	ug/l #	100
77) Bromobenzene	12.60	156	5166	3.623	ug/l	97
78) n-propylbenzene	12.66	91	29859	3.625	ug/l	100
79) 2-Chlorotoluene	12.75	91	16710	3.628	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	19881	3.533	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2097	3.395	ug/l #	84
82) 4-Chlorotoluene	12.85	91	17310	3.581	ug/l	98
83) tert-Butylbenzene	13.07	119	17259	3.569	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	20109	3.617	ug/l	100
85) sec-Butylbenzene	13.25	105	26844	3.762	ug/l	99
86) p-Isopropyltoluene	13.36	119	20713	3.422	ug/l	95
87) 1,3-Dichlorobenzene	13.36	146	9938	3.463	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	10641	3.685	ug/l	92
89) n-Butylbenzene	13.69	91	21161	3.449	ug/l	99
90) Hexachloroethane	13.95	117	4060	3.356	ug/l	82
91) 1,2-Dichlorobenzene	13.74	146	9475	3.548	ug/l	97
93) 1,2,4-Trichlorobenzene	15.00	180	5076	2.979	ug/l	92
94) Hexachlorobutadiene	15.10	225	2795	3.576	ug/l	97

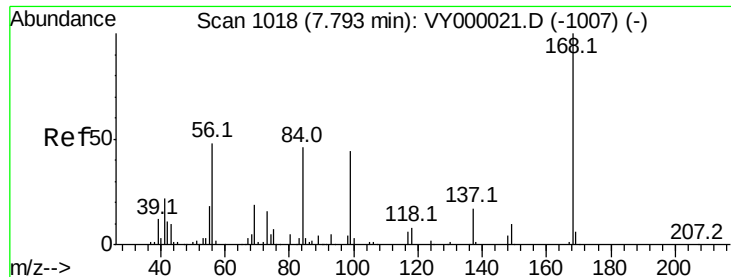
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QLast Update : Thu Sep 12 16:17:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.23	128	15839	3.398	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	5477	3.581	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

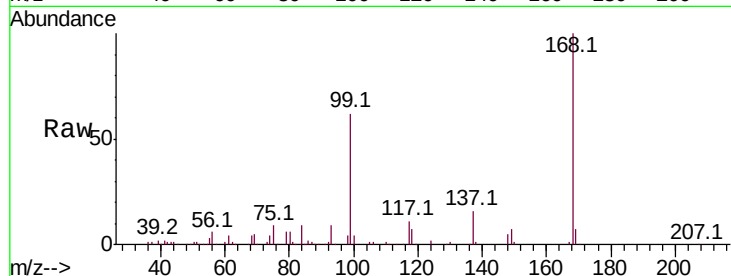
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 123340

Ion Ratio Lower Upper

168 100

99 62.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000038.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000038.D (-969) (-)

7.79

60000

50000

40000

30000

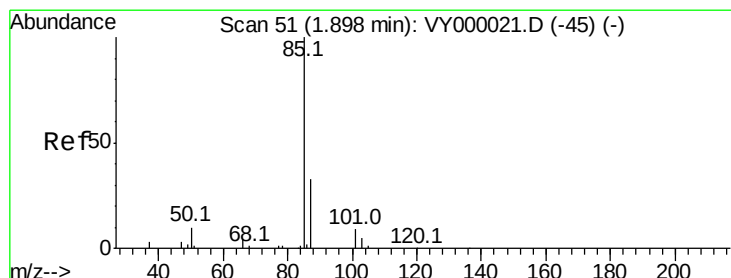
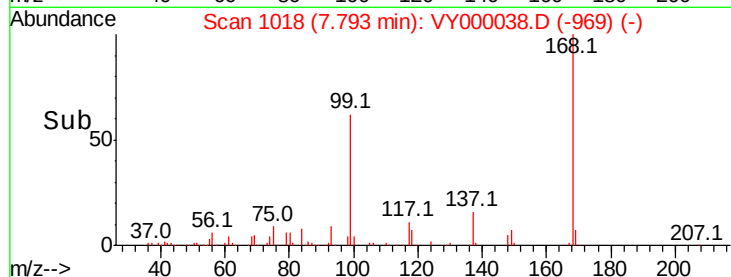
20000

10000

0

Time-->

7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 4.421 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000038.D

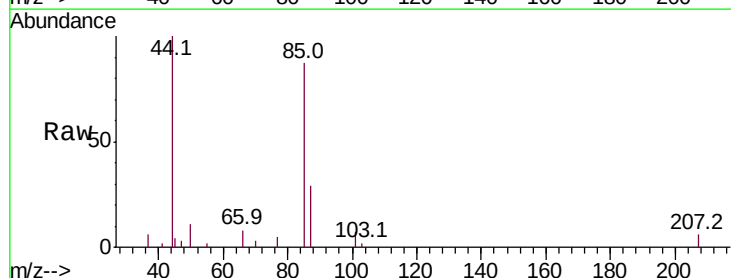
Acq: 13 Sep 2019 11:39

Tgt Ion: 85 Resp: 4021

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000038.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000038.D (-2) (-)

1.90

3000

2500

2000

1500

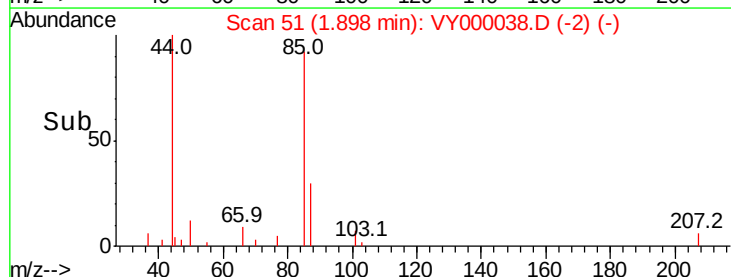
1000

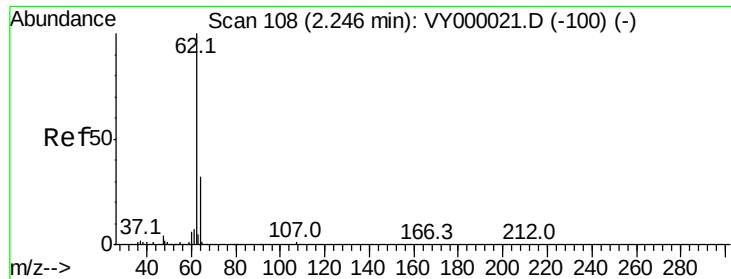
500

0

Time-->

1.85 1.90 1.95





#4

Vinyl Chloride

Concen: 4.330 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

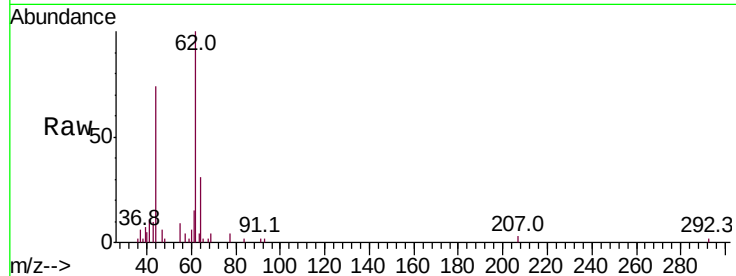
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 62 Resp: 5972

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

4000

3000

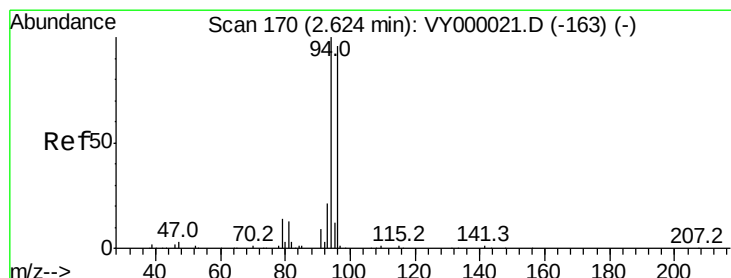
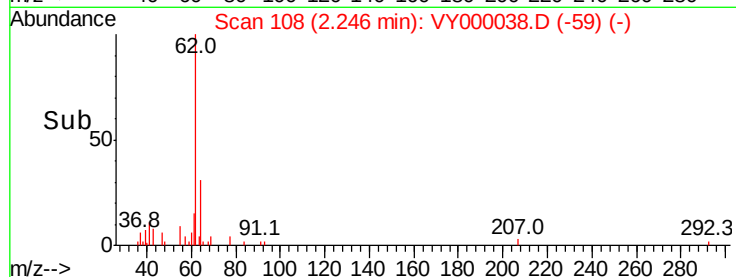
2000

1000

0

2.20 2.25 2.30

Time-->



#5

Bromomethane

Concen: 4.254 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000038.D

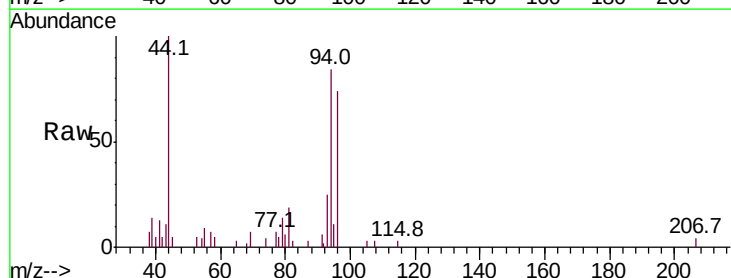
Acq: 13 Sep 2019 11:39

Tgt Ion: 94 Resp: 4551

Ion Ratio Lower Upper

94 100

96 88.7 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2000

1500

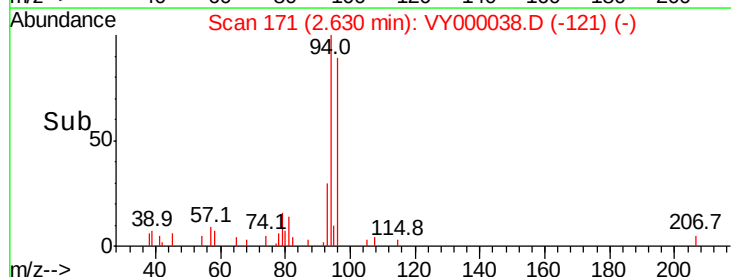
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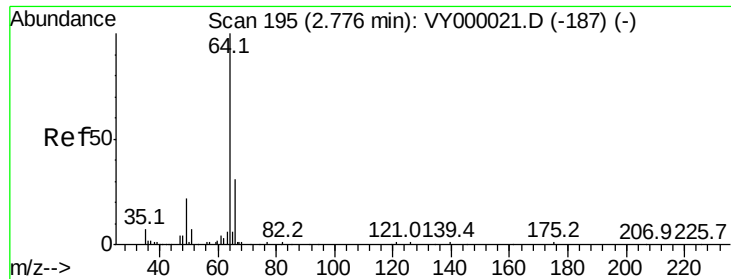
500

0

2.55 2.60 2.65 2.70

Time-->





#6

Chloroethane

Concen: 4.096 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

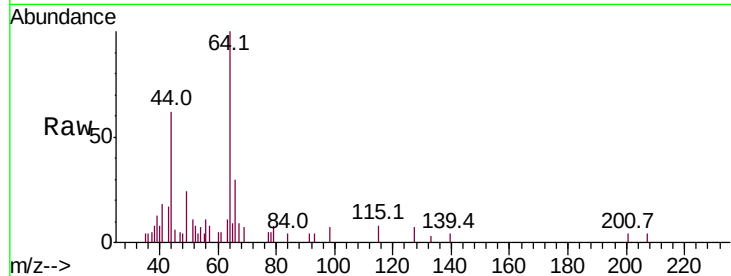
ClientSampleId :

Tot Ion: 64 Resp: 3761

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2000

1500

1000

500

0

Time--> 2.70 2.75 2.80 2.85

2.78

2.80

2.82

2.84

2.86

2.88

2.90

2.92

2.94

2.96

2.98

3.00

3.02

3.04

3.06

3.08

3.10

3.12

3.14

3.16

3.18

3.20

3.22

3.24

3.26

3.28

3.30

3.32

3.34

3.36

3.38

3.40

3.42

3.44

3.46

3.48

3.50

3.52

3.54

3.56

3.58

3.60

3.62

3.64

3.66

3.68

3.70

3.72

3.74

3.76

3.78

3.80

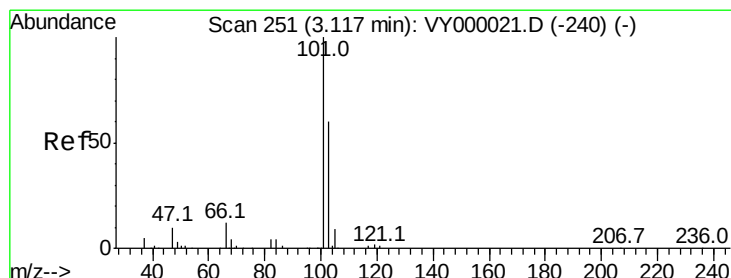
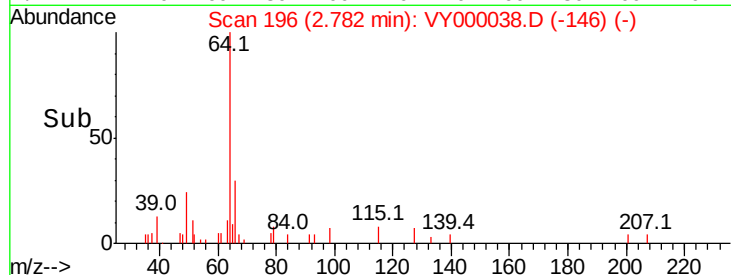
3.82

3.84

3.86

3.88

3.90



#7

Trichlorofluoromethane

Concen: 4.428 ug/l

RT: 3.12 min Scan# 251

Delta R.T. -0.00 min

Lab File: VY000038.D

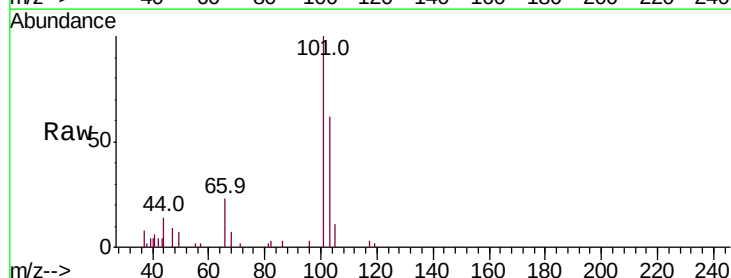
Acq: 13 Sep 2019 11:39

Tgt Ion: 101 Resp: 7936

Ion Ratio Lower Upper

101 100

103 62.2 48.1 72.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3000

2000

1000

0

Time--> 3.05 3.10 3.15 3.20

3.12

3.14

3.16

3.18

3.20

3.22

3.24

3.26

3.28

3.30

3.32

3.34

3.36

3.38

3.40

3.42

3.44

3.46

3.48

3.50

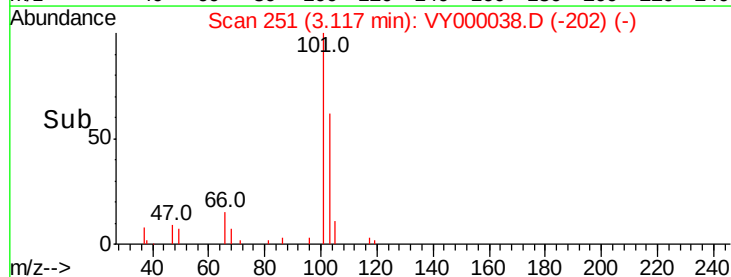
3.52

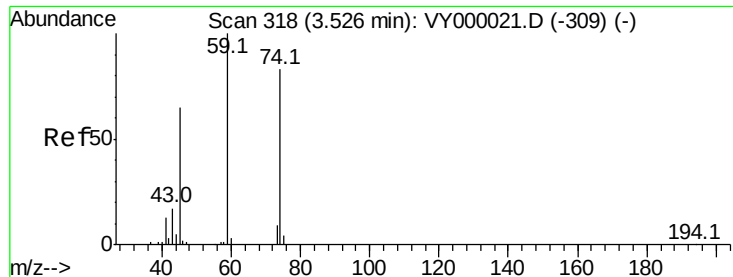
3.54

3.56

3.58

3.60





#8

Diethyl Ether

Concen: 4.008 ug/l

RT: 3.53 min Scan# 318

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

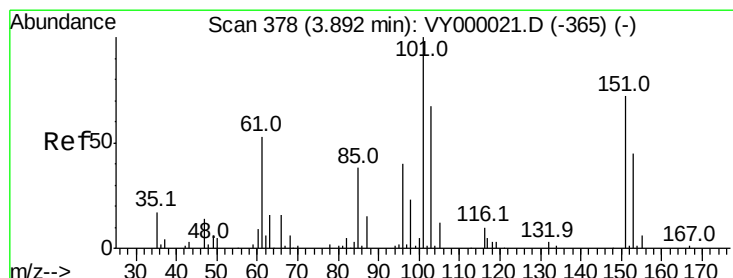
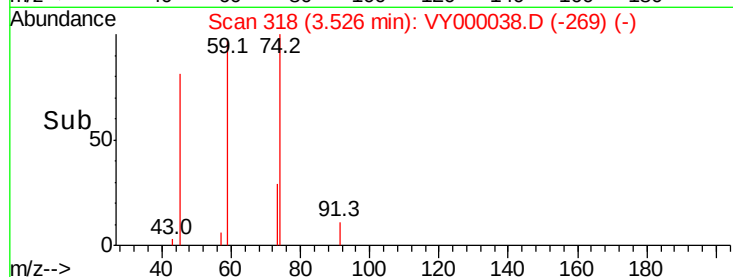
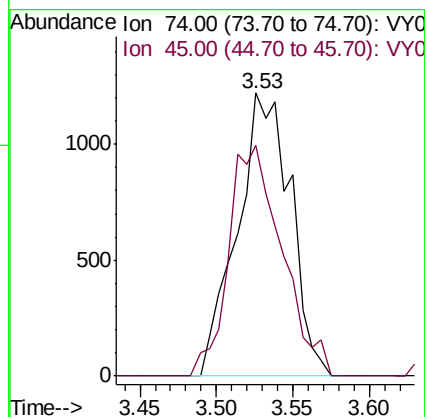
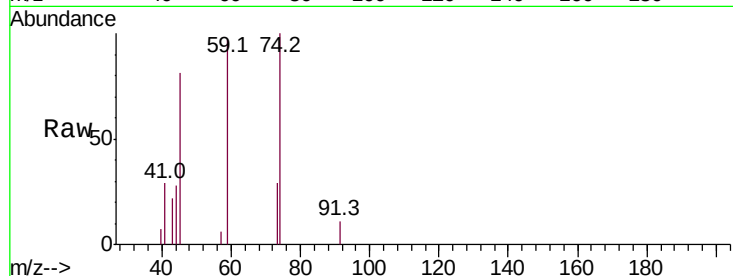
ClientSampleId :

Tot Ion: 74 Resp: 2952

Ion Ratio Lower Upper

74 100

45 81.5 41.9 125.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.852 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

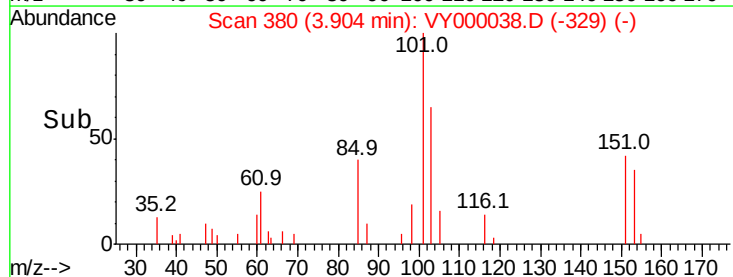
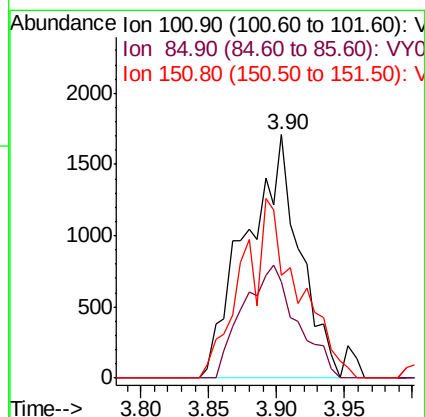
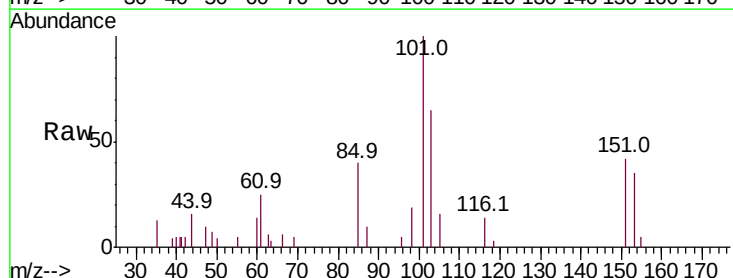
Tgt Ion:101 Resp: 4698

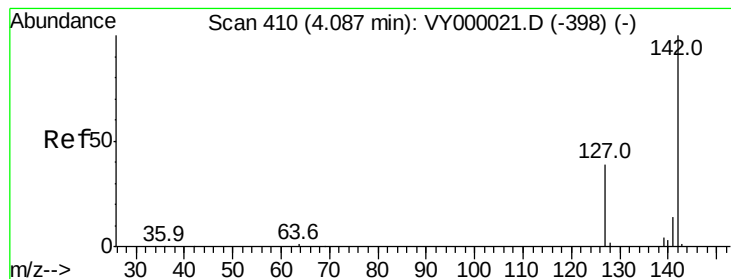
Ion Ratio Lower Upper

101 100

85 47.0 35.3 52.9

151 76.1 55.9 83.9





#10

Methvl Iodide

Concen: 2.790 ug/l

RT: 4.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampleId :

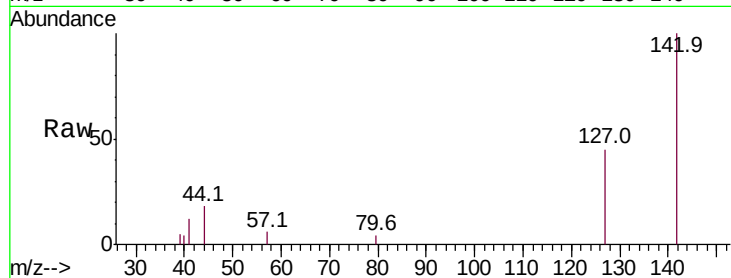
Tot Ion:142 Resp: 3721

Ion Ratio Lower Upper

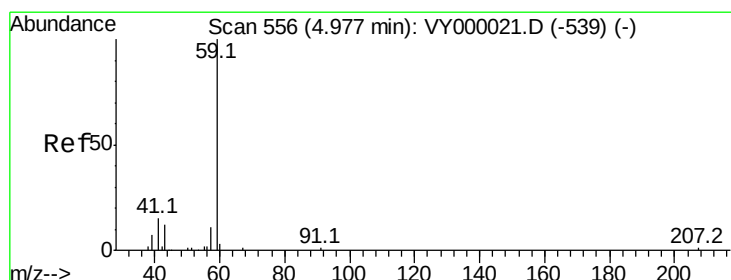
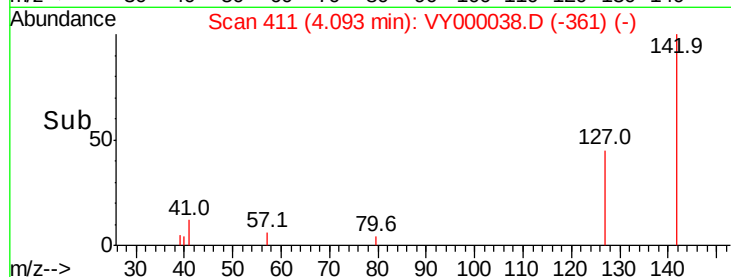
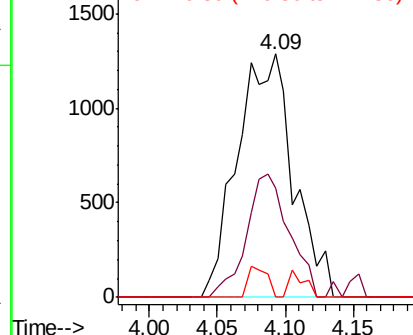
142 100

127 38.5 31.4 47.2

141 3.1 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: 12.432 ug/l

RT: 4.98 min Scan# 556

Delta R.T. 0.00 min

Lab File: VY000038.D

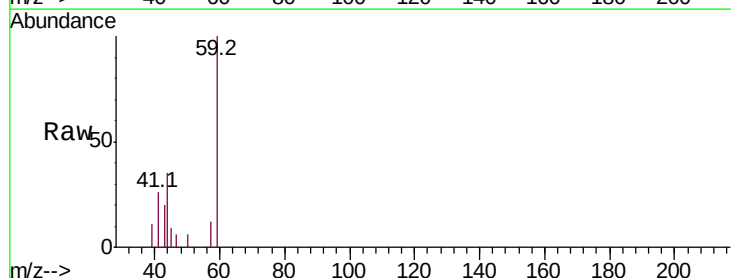
Acq: 13 Sep 2019 11:39

Tgt Ion: 59 Resp: 2100

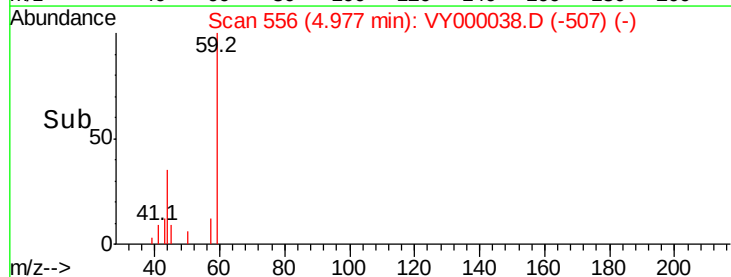
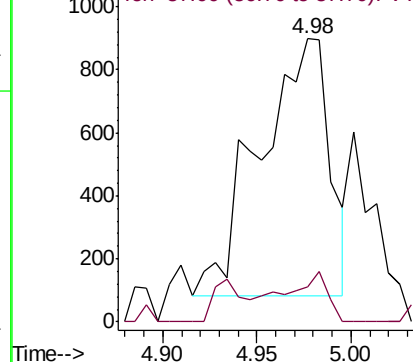
Ion Ratio Lower Upper

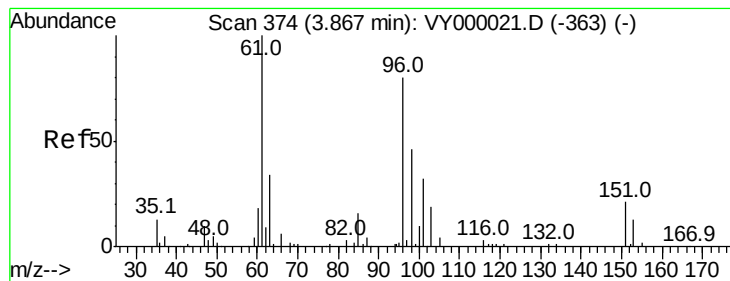
59 100

57 12.2 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#12

1,1-Dichloroethene

Concen: 3.824 ug/l

RT: 3.87 min Scan# 374

Delta R.T. -0.00 min

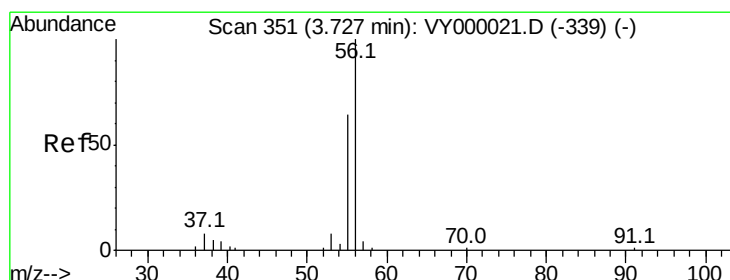
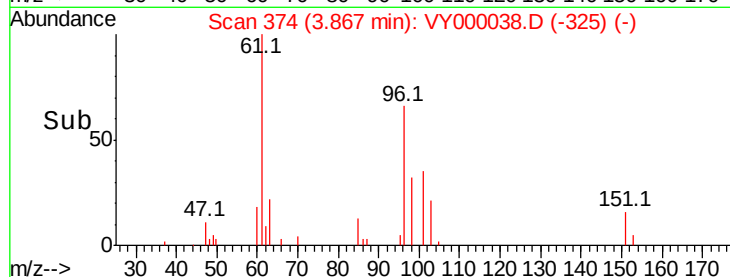
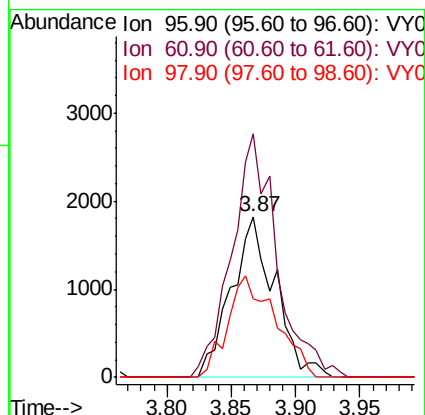
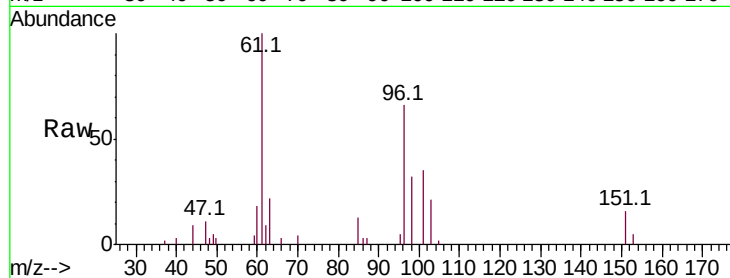
Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 4346

Ion	Ratio	Lower	Upper
96	100		
61	151.5	99.8	149.6#
98	48.7	46.3	69.5



#13

Acrolein

Concen: Below Cal

RT: 3.73 min Scan# 351

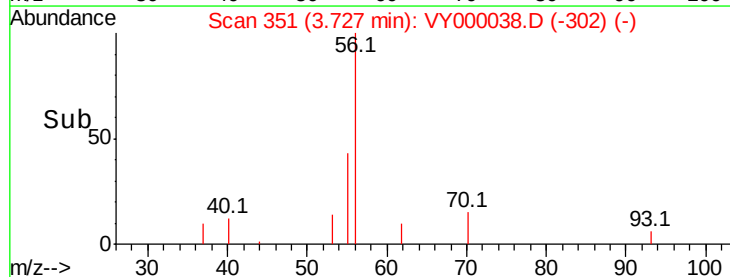
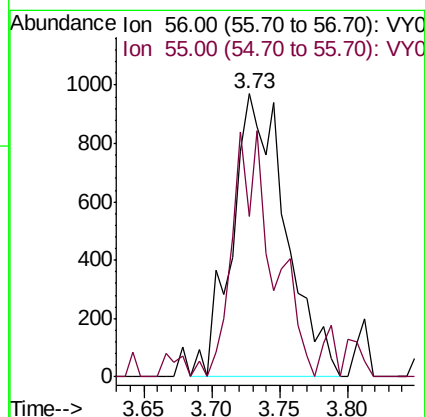
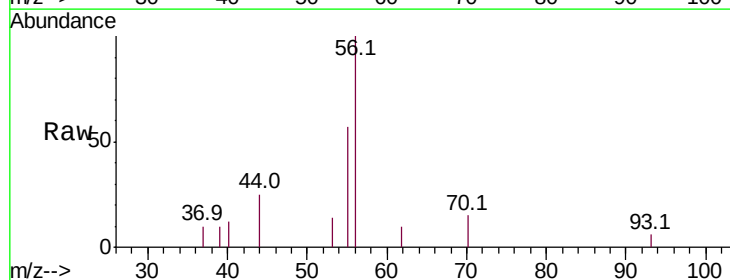
Delta R.T. 0.00 min

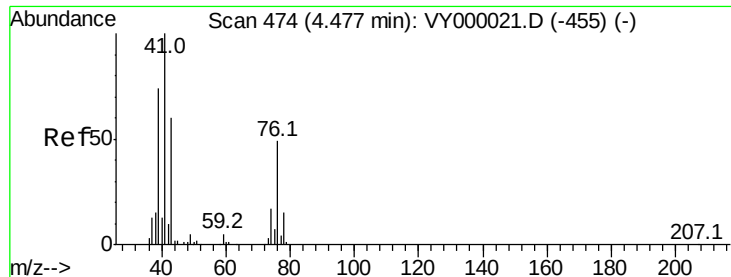
Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Tgt Ion: 56 Resp: 2691

Ion	Ratio	Lower	Upper
56	100		
55	65.1	56.7	85.1

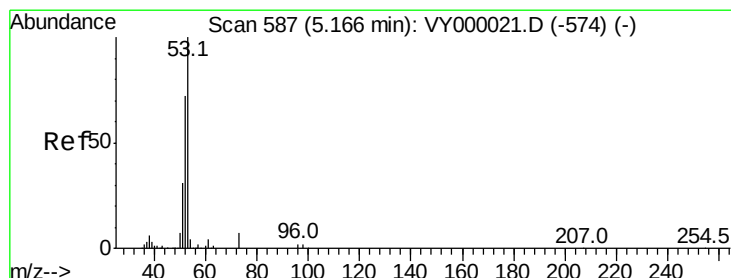
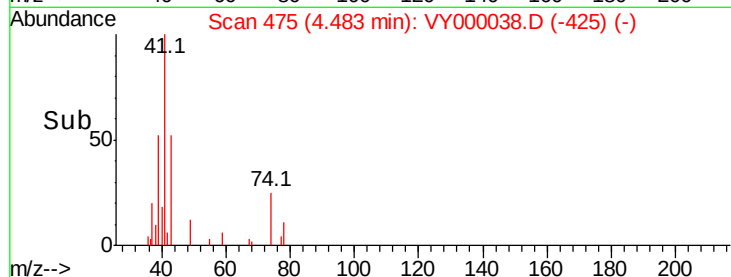
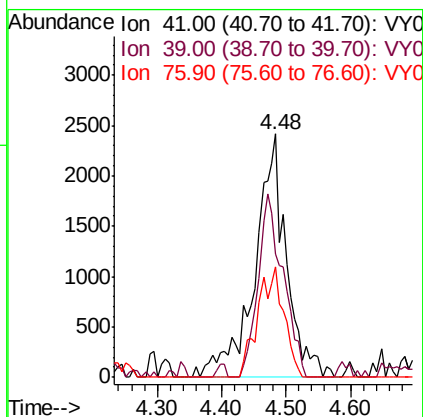
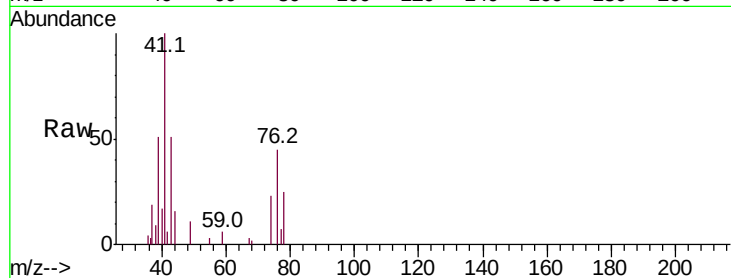




#14
Allvl chloride
Concen: 4.635 ug/l
RT: 4.48 min Scan# 475
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

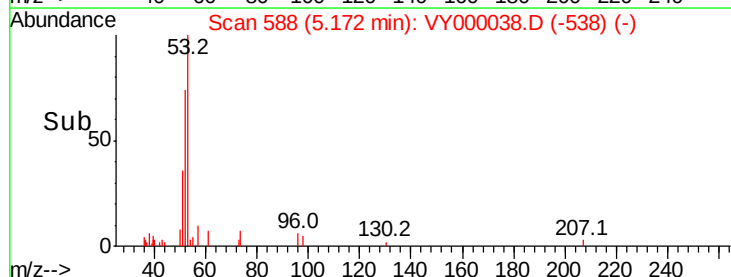
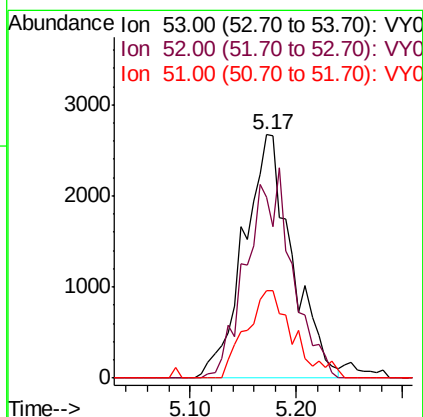
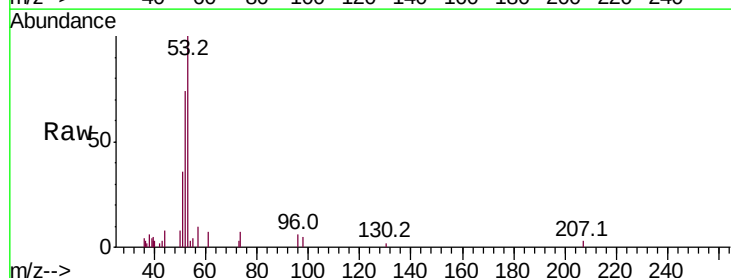
Instrument :
MSVOA_Y
ClientSampleId :

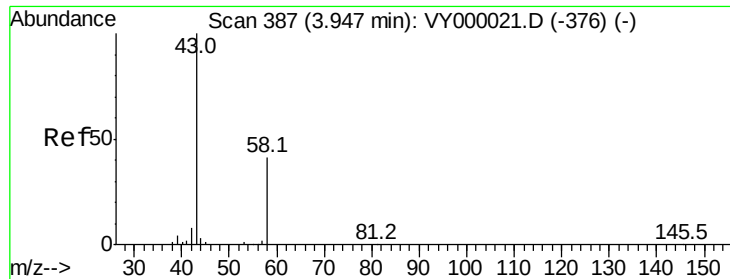
Tot Ion: 41 Resp: 8180
Ion Ratio Lower Upper
41 100
39 59.5 53.1 79.7
76 37.1 34.9 52.3



#15
Acrylonitrile
Concen: 18.016 ug/l
RT: 5.17 min Scan# 588
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 53 Resp: 8419
Ion Ratio Lower Upper
53 100
52 80.1 62.8 94.2
51 35.8 26.6 40.0





#16

Acetone

Concen: 16.905 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

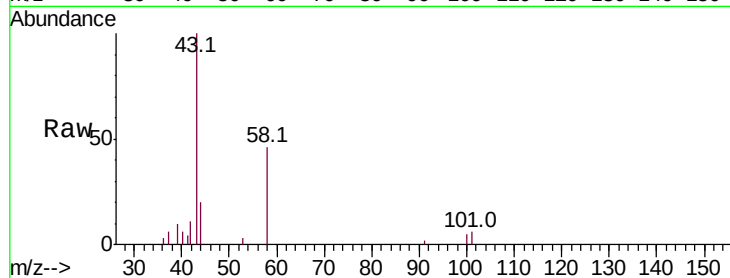
ClientSampled :

Tot Ion: 43 Resp: 6228

Ion Ratio Lower Upper

43 100

58 46.1 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-376) (-)

Ion 58.00 (57.70 to 58.70): VY000021.D (-376) (-)

2500

2000

1500

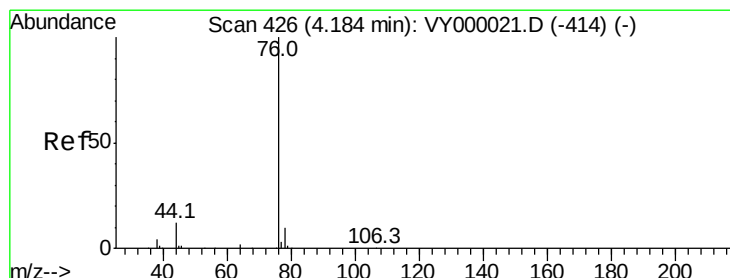
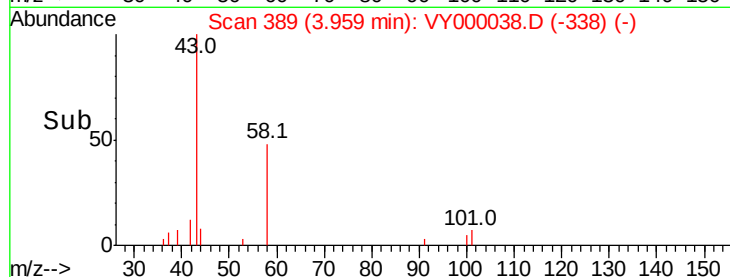
1000

500

0

3.85 3.90 3.95 4.00 4.05

Time-->



#17

Carbon Disulfide

Concen: 3.145 ug/l

RT: 4.18 min Scan# 425

Delta R.T. -0.01 min

Lab File: VY000038.D

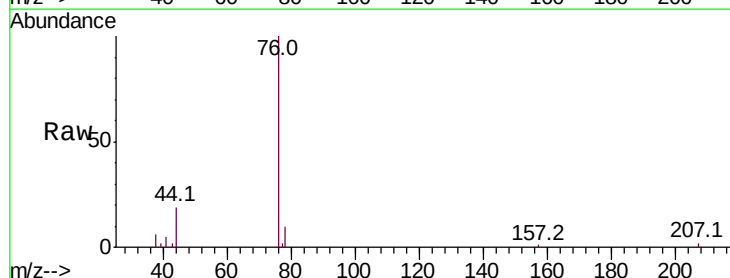
Acq: 13 Sep 2019 11:39

Tgt Ion: 76 Resp: 10980

Ion Ratio Lower Upper

76 100

78 9.9 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VY000021.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VY000021.D (-414) (-)

4000

3000

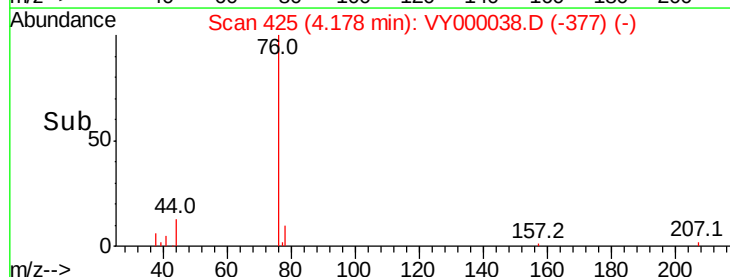
2000

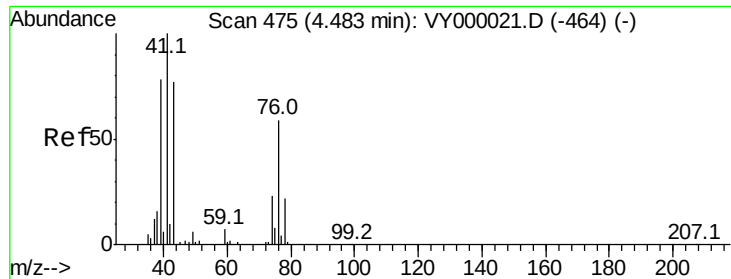
1000

0

4.10 4.15 4.20 4.25

Time-->

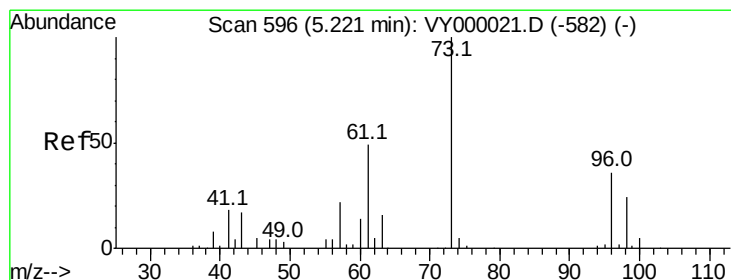
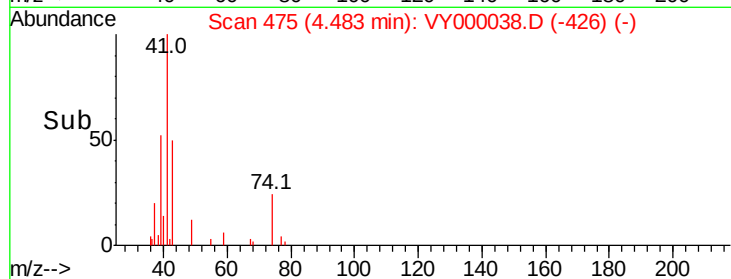
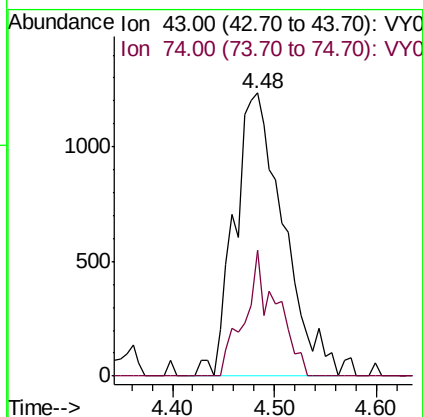
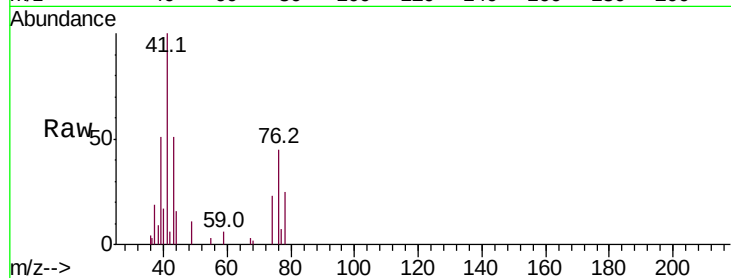




#18
Methyl Acetate
Concen: 3.954 ug/l
RT: 4.48 min Scan# 475
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

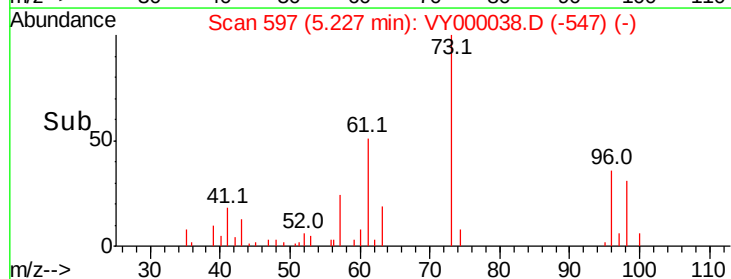
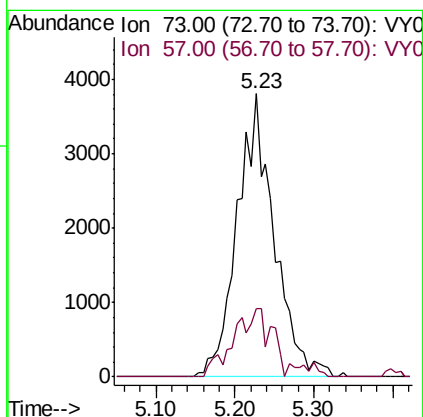
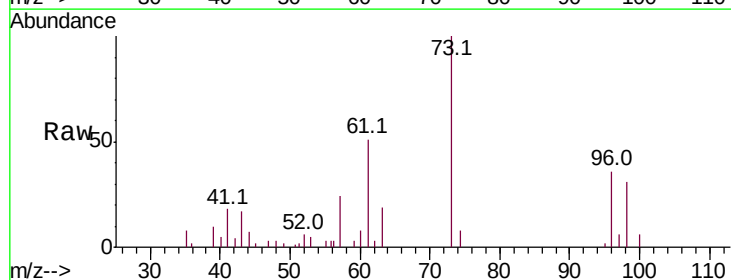
Instrument :
MSVOA_Y
ClientSampled :

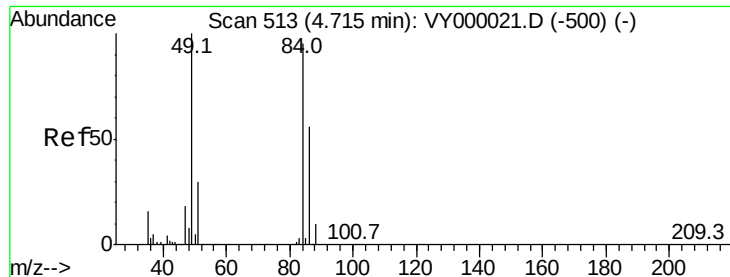
Tot Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
74 29.2 21.4 32.0



#19
Methyl tert-butyl Ether
Concen: 3.580 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 73 Resp: 12324
Ion Ratio Lower Upper
73 100
57 24.2 17.8 26.8

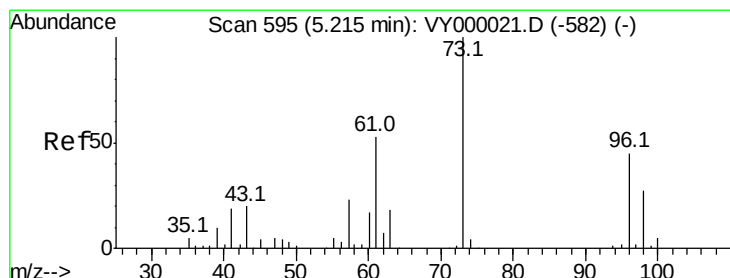
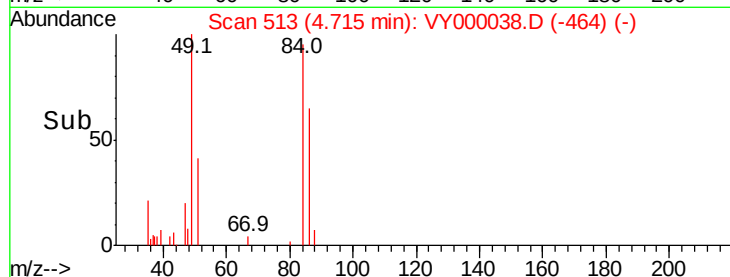
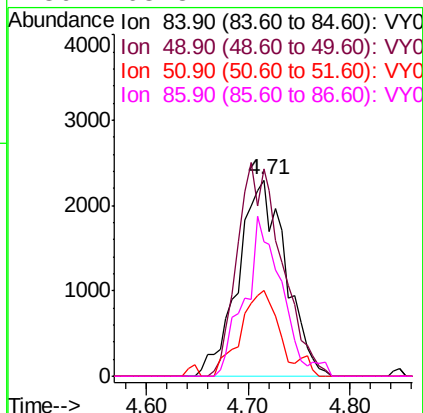
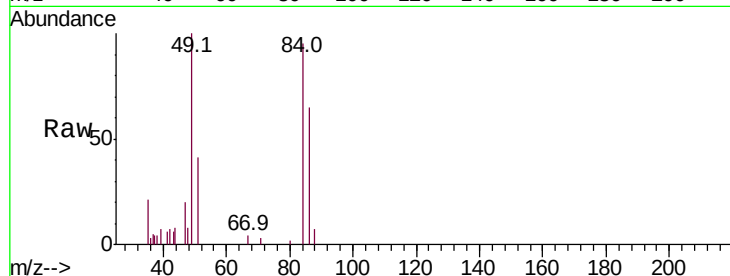




#20
Methylene Chloride
Concen: 2.065 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

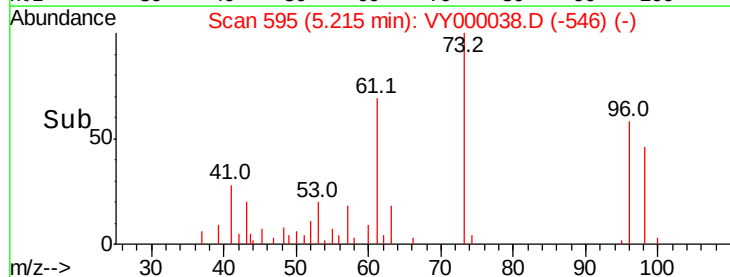
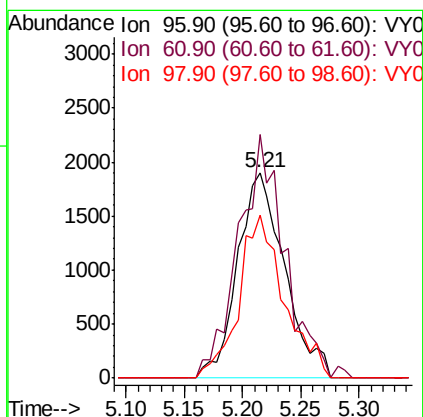
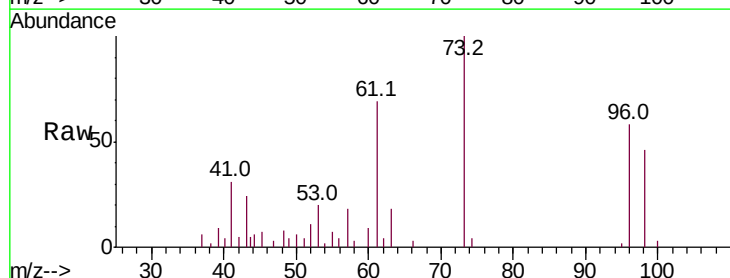
Instrument :
MSVOA_Y
ClientSampleId :

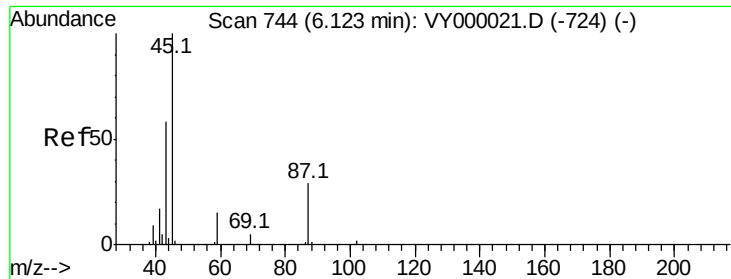
Tot Ion: 84 Resp: 7426
Ion Ratio Lower Upper
84 100
49 105.5 84.4 126.6
51 43.7 25.4 38.0#
86 68.8 47.4 71.2



#21
trans-1,2-Dichloroethene
Concen: 4.260 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 96 Resp: 5362
Ion Ratio Lower Upper
96 100
61 118.4 95.3 142.9
98 79.1 48.7 73.1#





#22

Diisopropyl ether

Concen: 3.465 ug/l

RT: 6.12 min Scan# 744

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 45 Resp: 13499

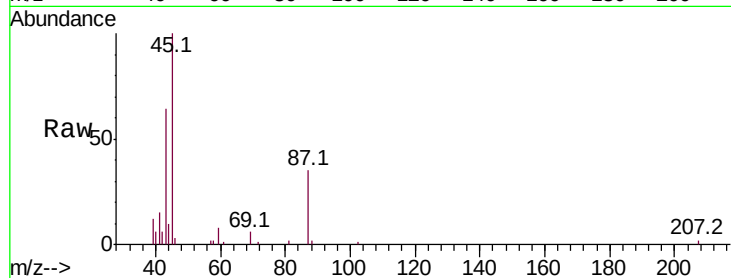
Ion Ratio Lower Upper

45 100

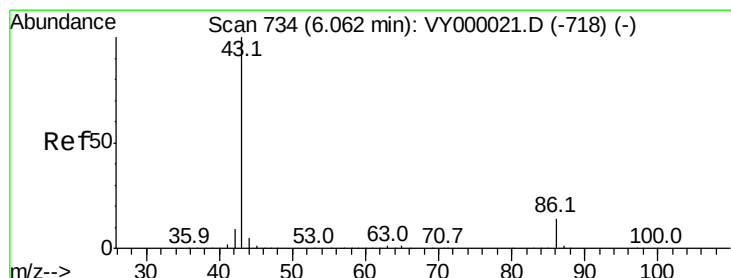
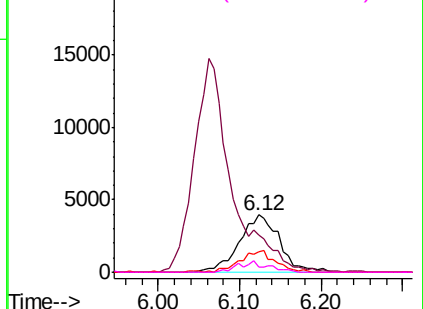
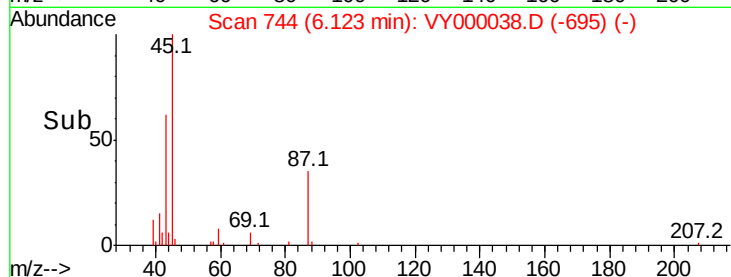
43 61.6 47.0 70.4

87 35.0 23.1 34.7#

59 8.5 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: 17.490 ug/l

RT: 6.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VY000038.D

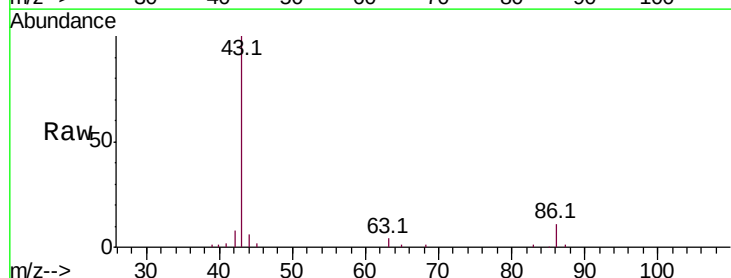
Acq: 13 Sep 2019 11:39

Tgt Ion: 43 Resp: 47138

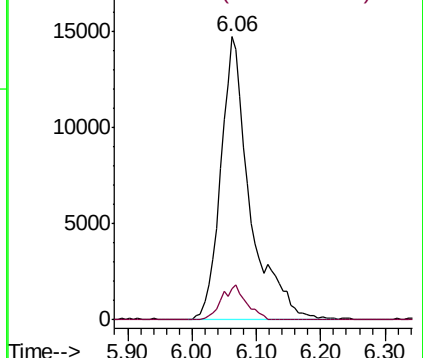
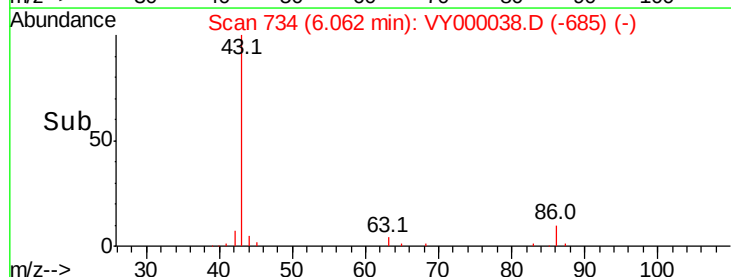
Ion Ratio Lower Upper

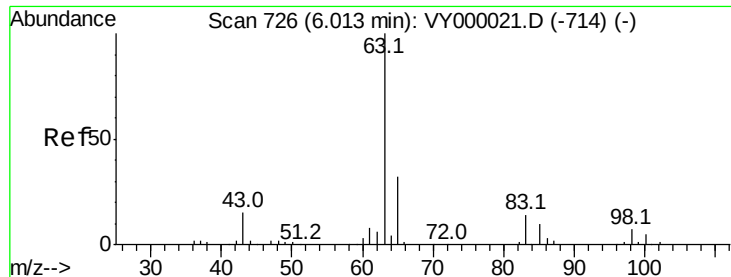
43 100

86 11.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0





#24

1,1-Dichloroethane

Concen: 3.938 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000038.D

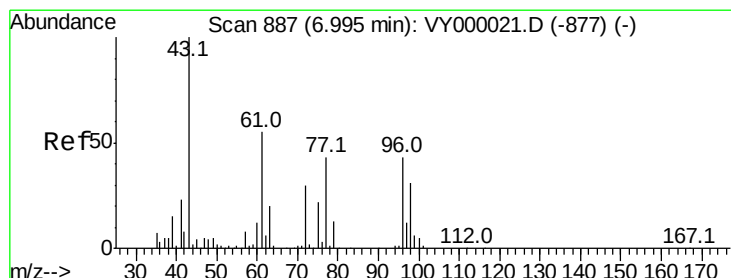
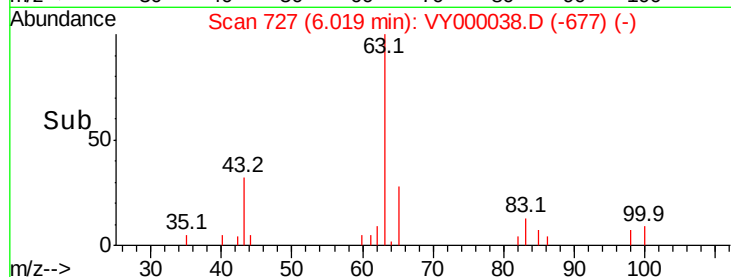
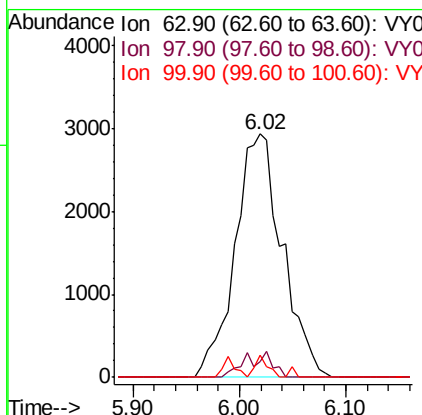
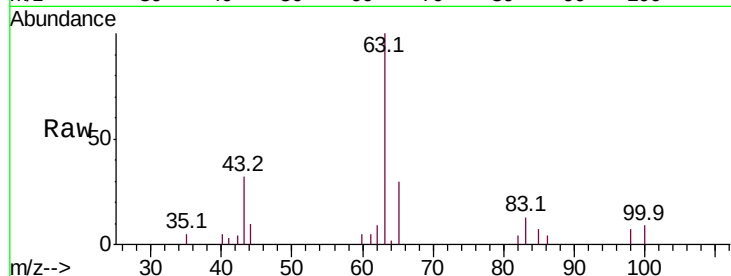
Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:	63	Resp:	9091
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	9.0	2.6	8.0#



#25

2-Butanone

Concen: 19.970 ug/l

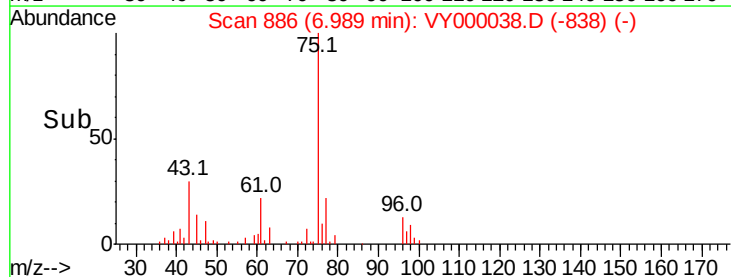
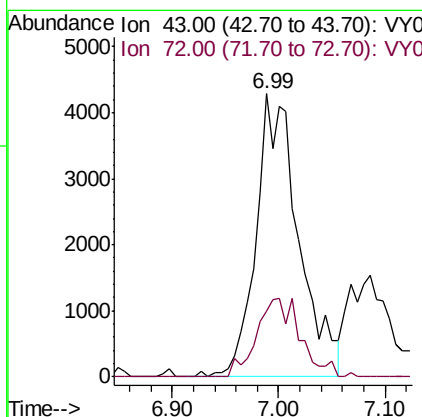
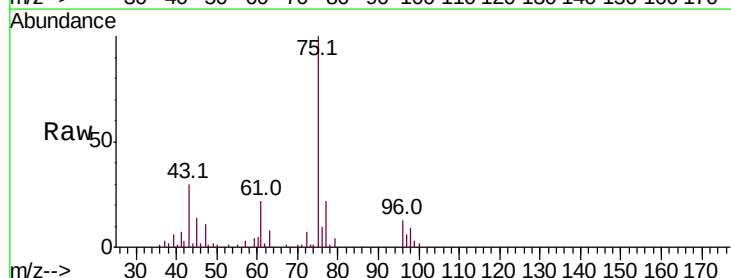
RT: 6.99 min Scan# 886

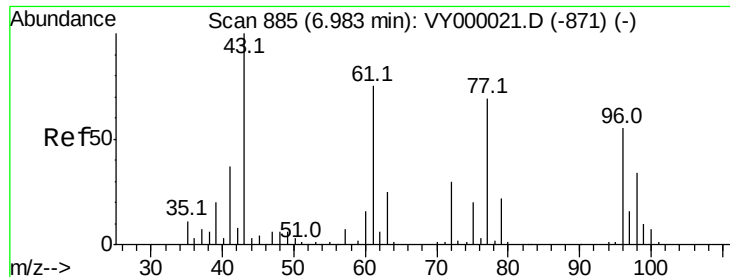
Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Tgt Ion:	43	Resp:	11958
Ion	Ratio	Lower	Upper
43	100		
72	23.1	24.1	36.1#

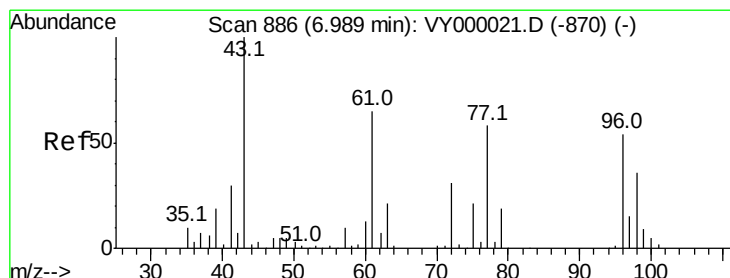
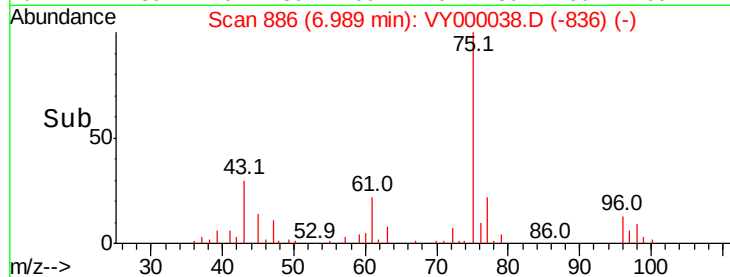
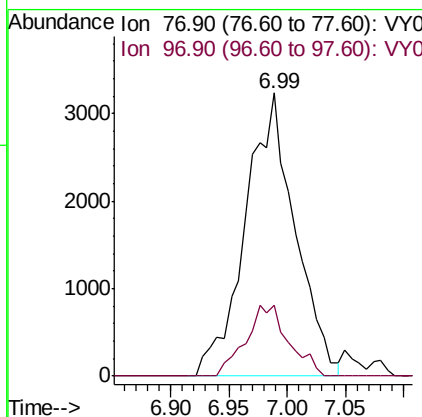
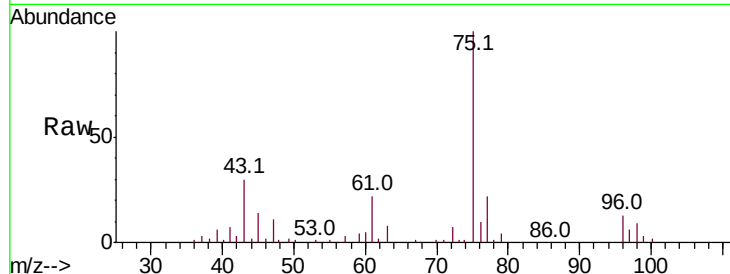




#26
 2,2-Dichloropropane
 Concen: 4.475 ug/l
 RT: 6.99 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

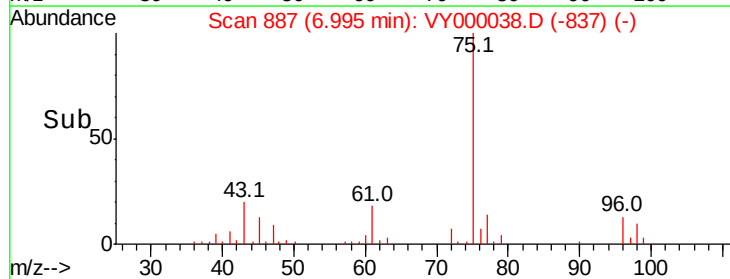
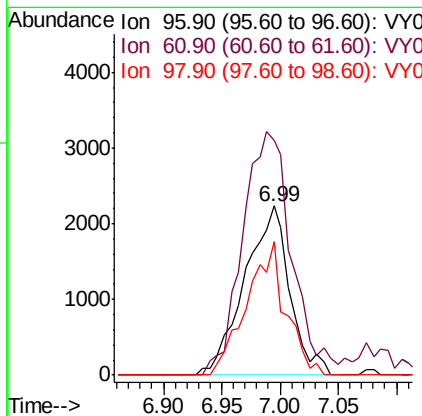
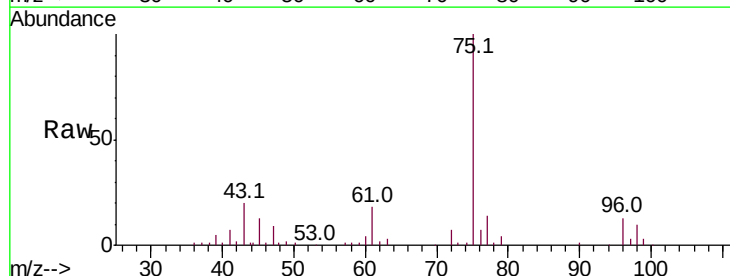
Instrument :
 MSVOA_Y
 ClientSampleId :

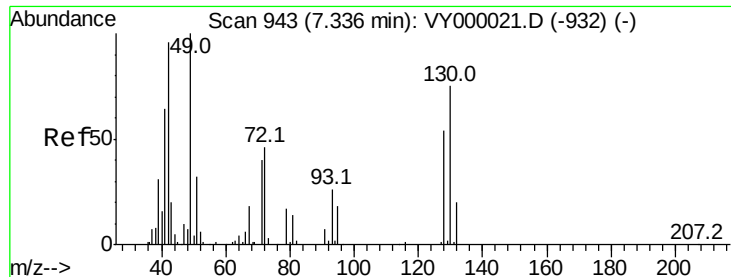
Tot Ion: 77 Resp: 9598
 Ion Ratio Lower Upper
 77 100
 97 21.6 12.0 36.1



#27
 cis-1,2-Dichloroethene
 Concen: 3.767 ug/l
 RT: 6.99 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 96 Resp: 5981
 Ion Ratio Lower Upper
 96 100
 61 157.5 0.0 259.2
 98 68.6 0.0 127.4





#28

Bromochloromethane

Concen: 3.383 ug/l

RT: 7.33 min Scan# 942

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampled :

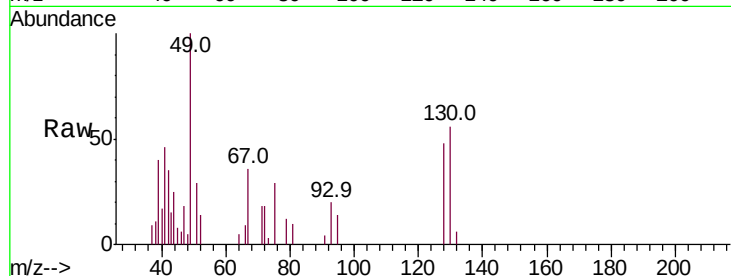
Tot Ion: 49 Resp: 3587

Ion Ratio Lower Upper

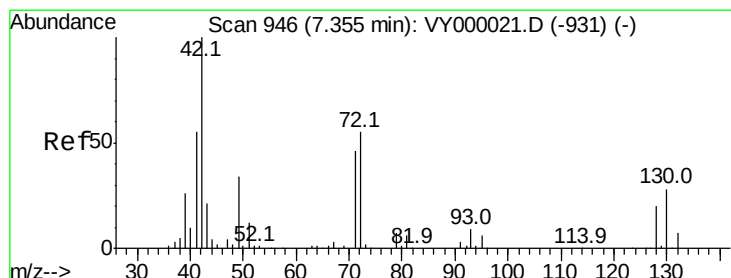
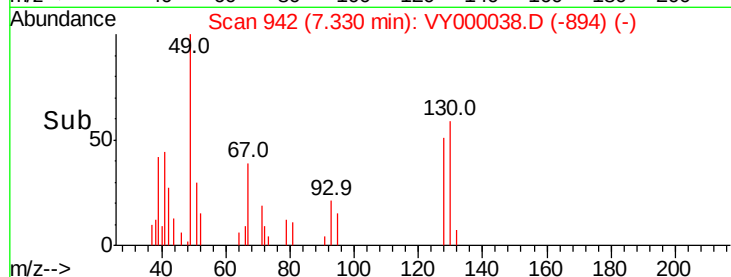
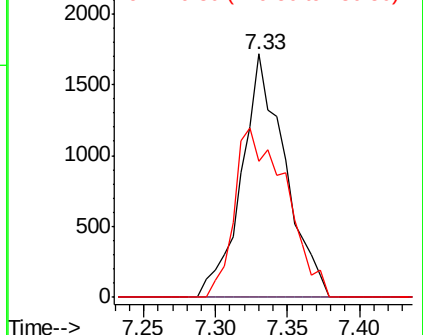
49 100

129 0.0 0.0 1.8

130 83.3 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: 17.445 ug/l

RT: 7.36 min Scan# 947

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

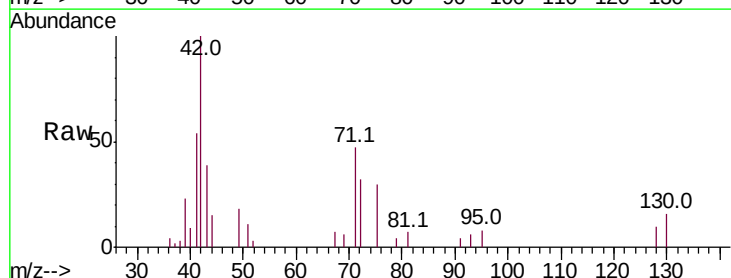
Tgt Ion: 42 Resp: 6214

Ion Ratio Lower Upper

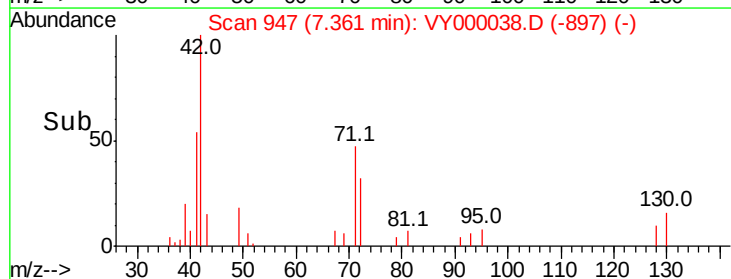
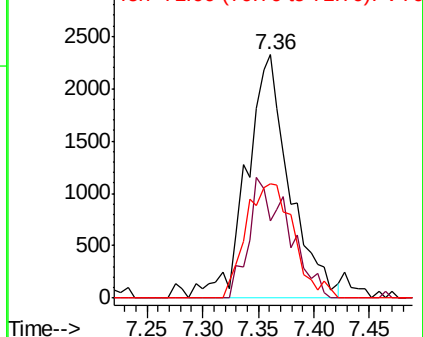
42 100

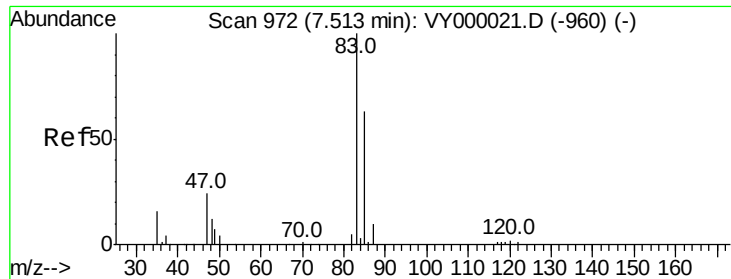
72 45.6 41.1 61.7

71 52.5 36.5 54.7



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

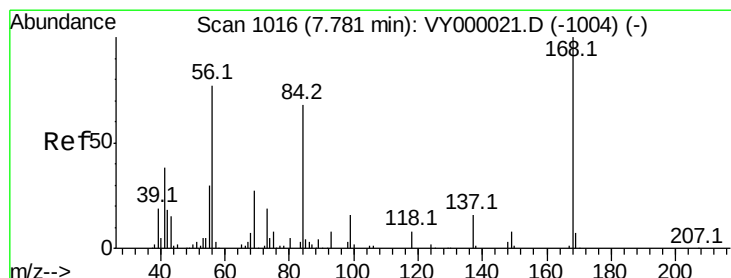
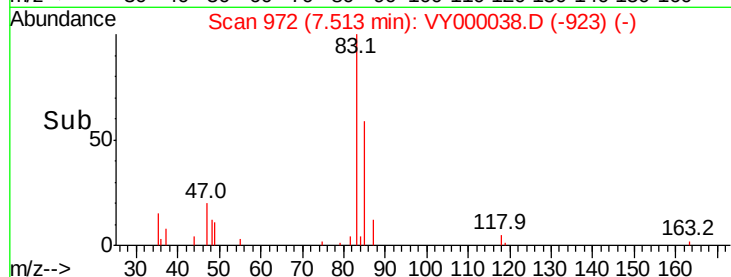
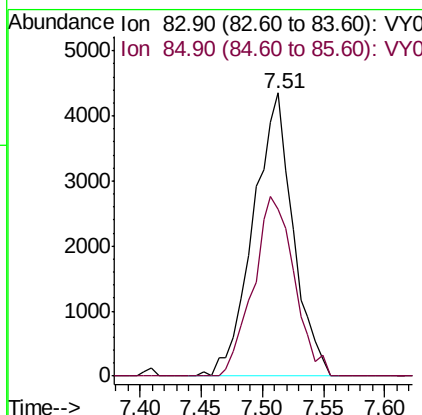
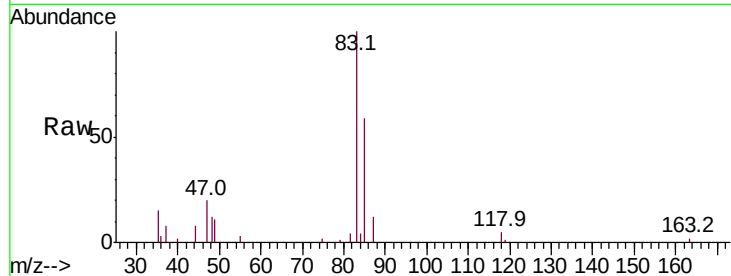




#30
Chloroform
Concen: 4.136 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

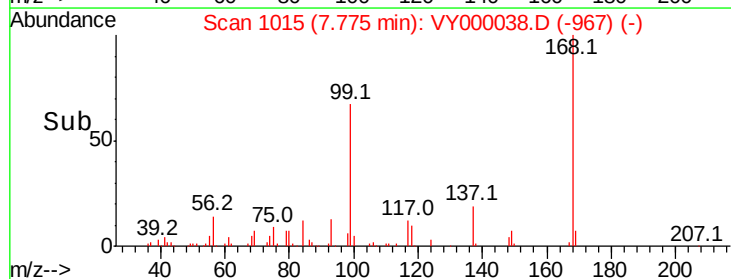
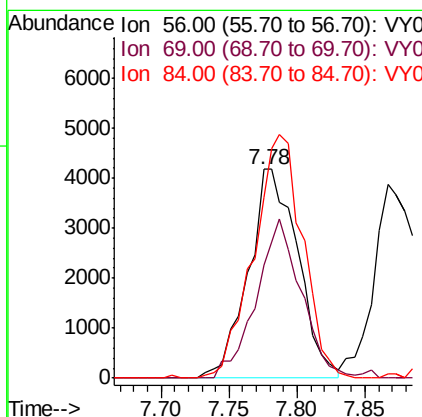
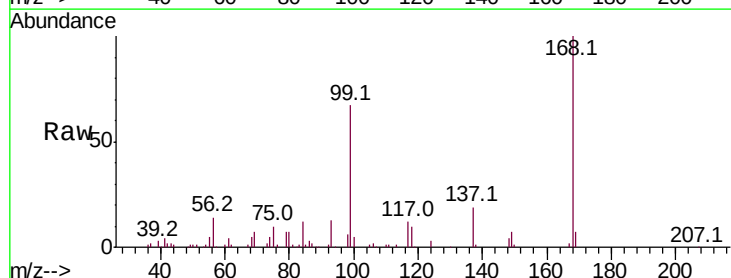
Instrument :
MSVOA_Y
ClientSampleId :

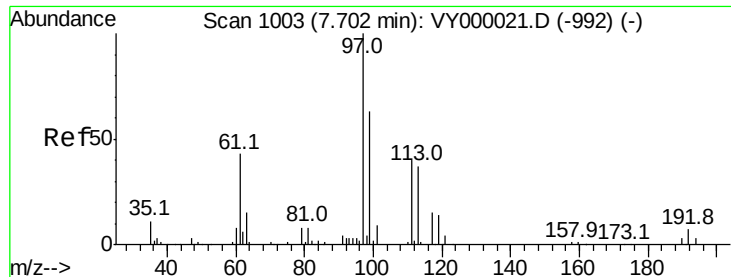
Tot Ion: 83 Resp: 9847
Ion Ratio Lower Upper
83 100
85 59.0 50.6 76.0



#31
Cyclohexane
Concen: 2.825 ug/l
RT: 7.78 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 56 Resp: 10638
Ion Ratio Lower Upper
56 100
69 54.1 28.0 42.0#
84 86.6 70.4 105.6





#32

1,1,1-Trichloroethane

Concen: 3.913 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

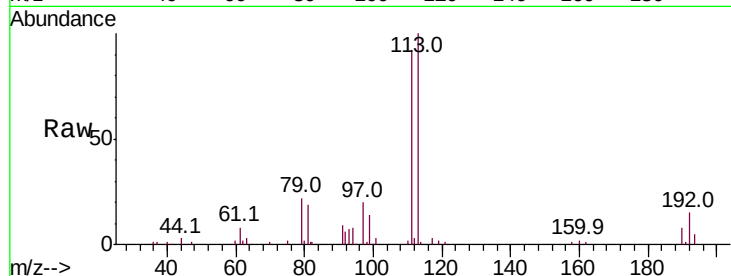
Tot Ion: 97 Resp: 7643

Ion Ratio Lower Upper

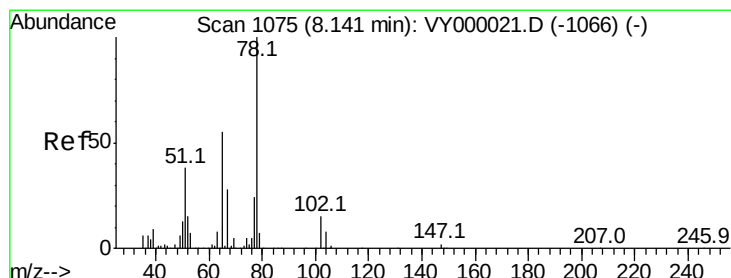
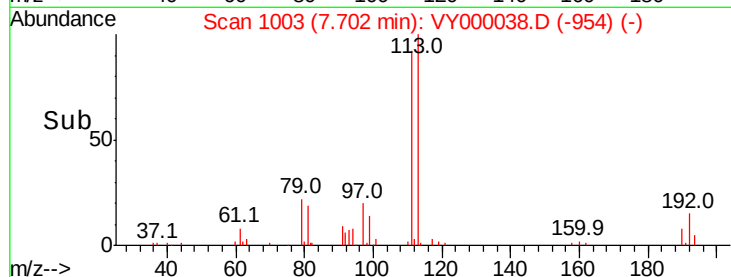
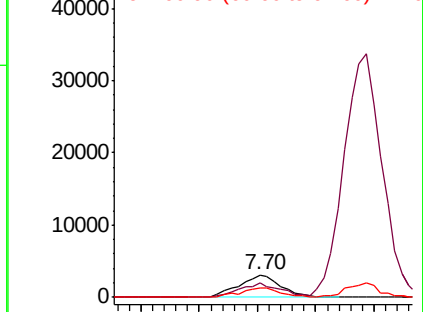
97 100

99 67.4 51.0 76.6

61 41.1 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: 50.079 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY000038.D

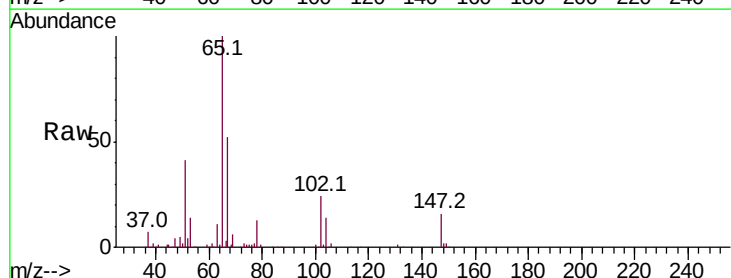
Acq: 13 Sep 2019 11:39

Tgt Ion: 65 Resp: 66536

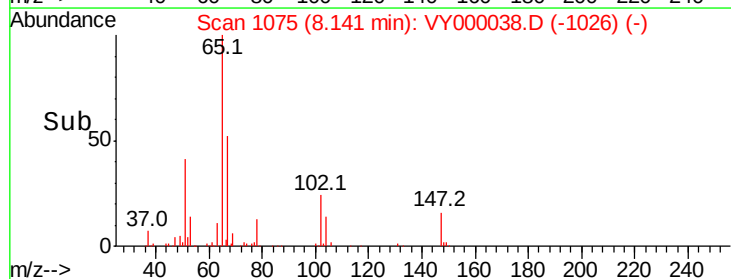
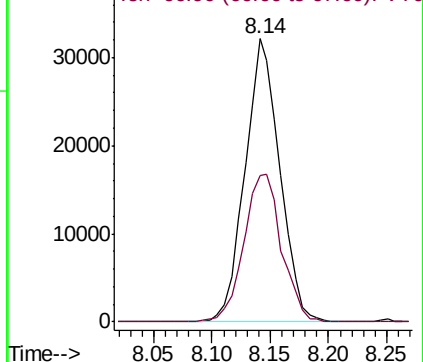
Ion Ratio Lower Upper

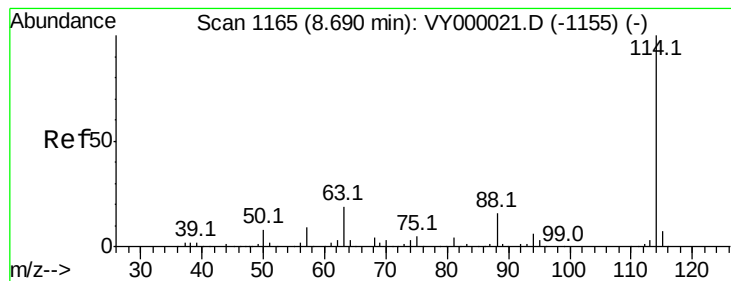
65 100

67 56.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

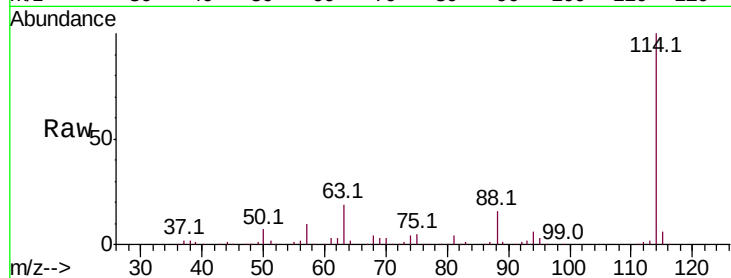
Tot Ion:114 Resp: 239803

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

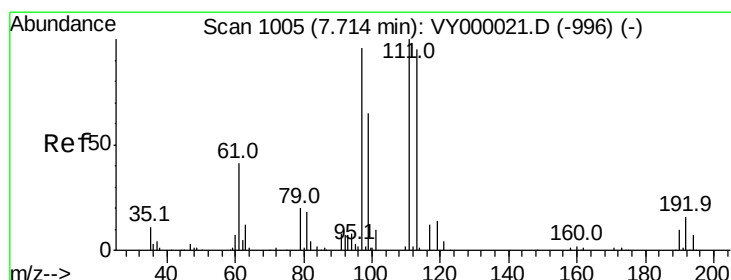
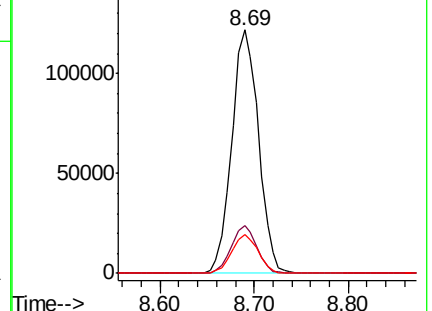
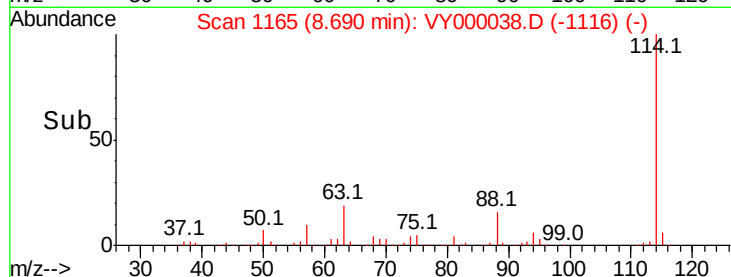
88 16.2 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 48.479 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

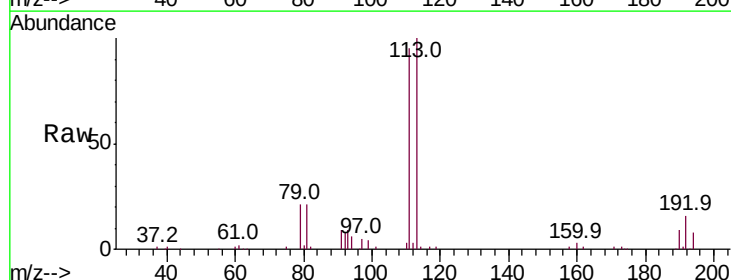
Tgt Ion:113 Resp: 66694

Ion Ratio Lower Upper

113 100

111 100.2 83.9 125.9

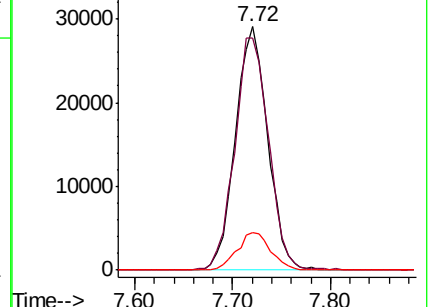
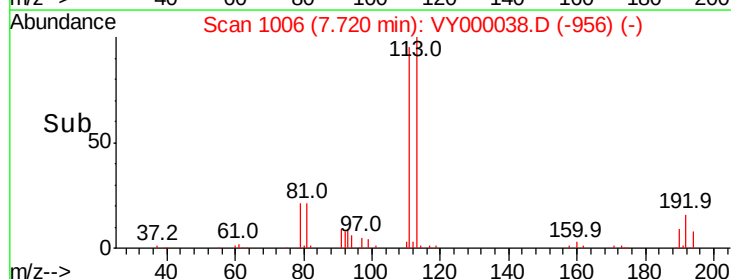
192 16.0 14.5 21.7

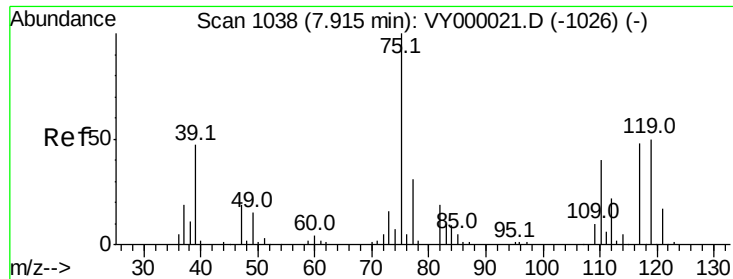


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

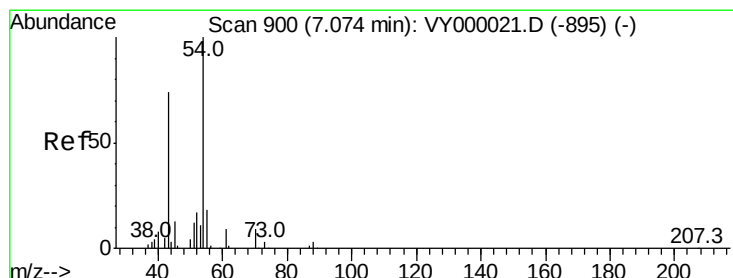
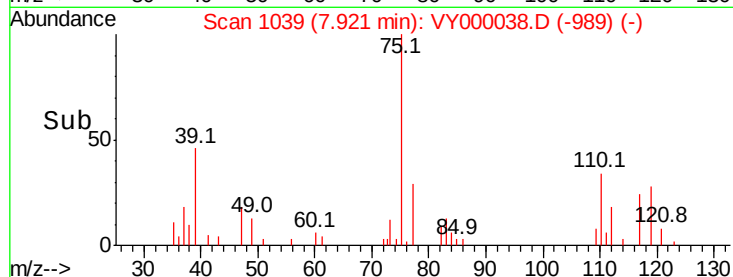
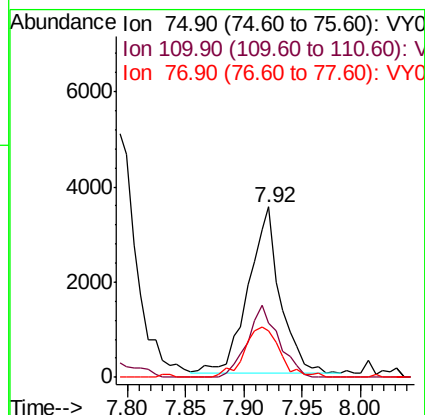
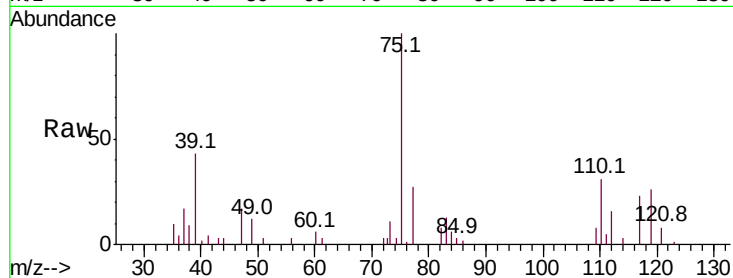




#36
1,1-Dichloropropene
Concen: 3.765 ug/l
RT: 7.92 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

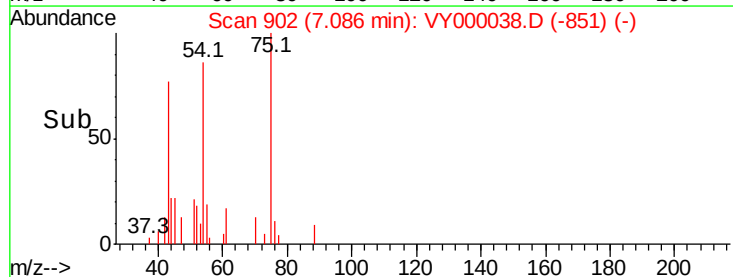
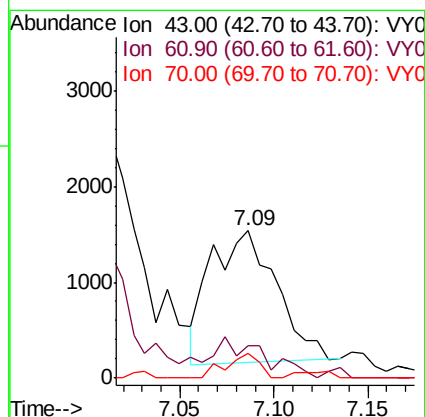
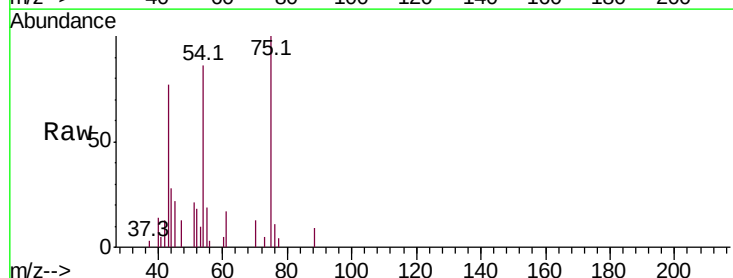
Instrument :
MSVOA_Y
ClientSampleId :

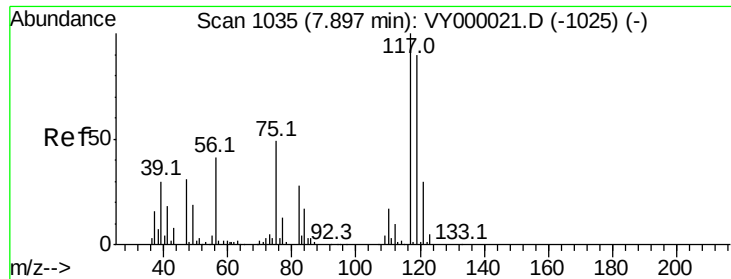
Tot Ion: 75 Resp: 6629
Ion Ratio Lower Upper
75 100
110 42.6 18.6 55.8
77 34.2 24.4 36.6



#37
Ethyl Acetate
Concen: 2.820 ug/l
RT: 7.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 43 Resp: 3348
Ion Ratio Lower Upper
43 100
61 22.9 13.1 19.7#
70 9.3 10.9 16.3#

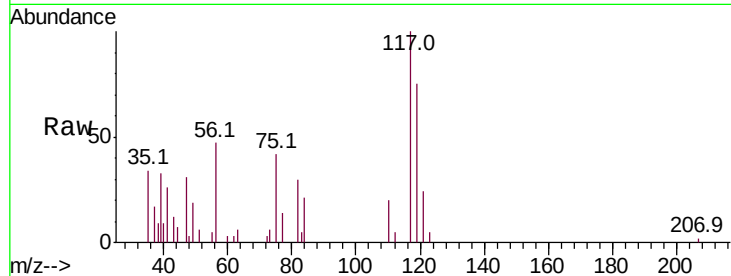




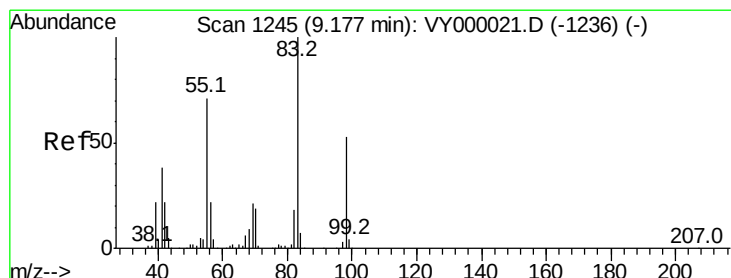
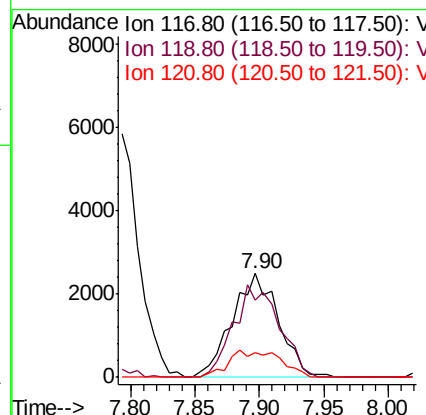
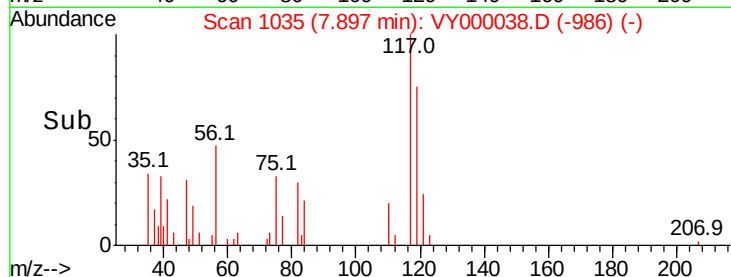
#38
Carbon Tetrachloride
Concen: 3.742 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 6219
Ion Ratio Lower Upper
117 100
119 74.8 72.1 108.1
121 23.6 23.9 35.9#

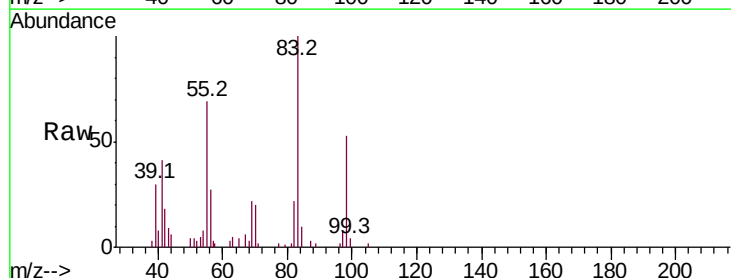


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

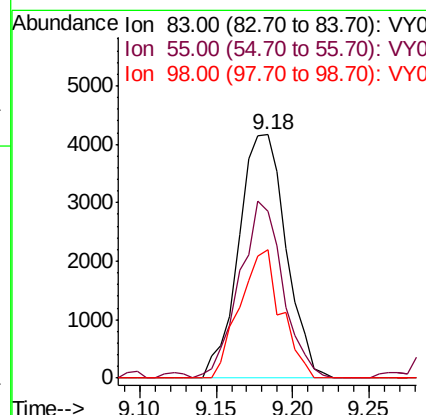
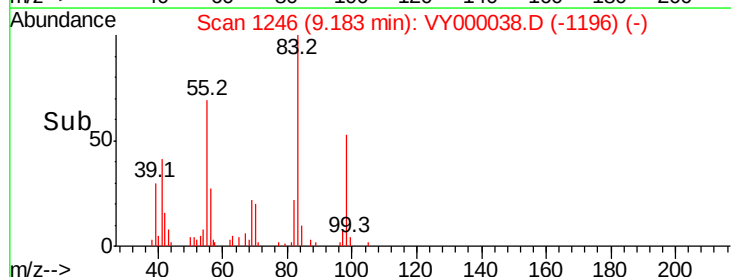


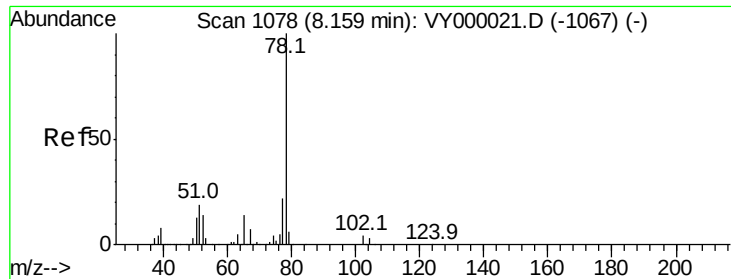
#39
Methylcyclohexane
Concen: 4.136 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 83 Resp: 8998
Ion Ratio Lower Upper
83 100
55 68.6 57.0 85.4
98 52.9 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: 3.782 ug/l

RT: 8.16 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

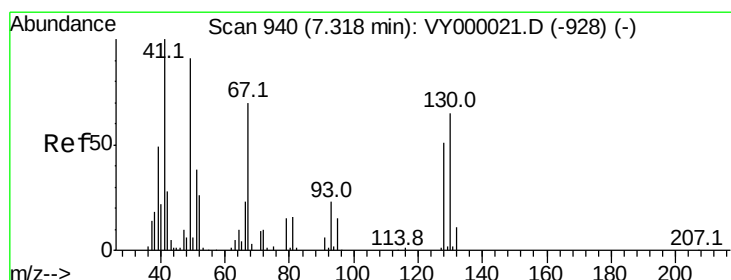
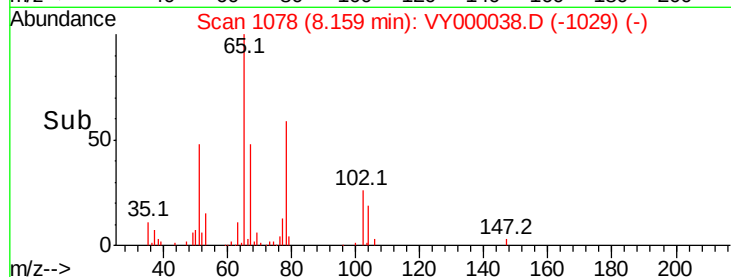
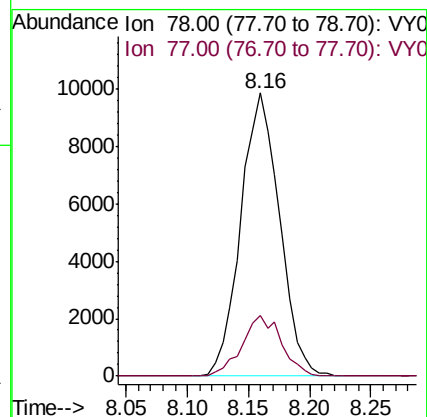
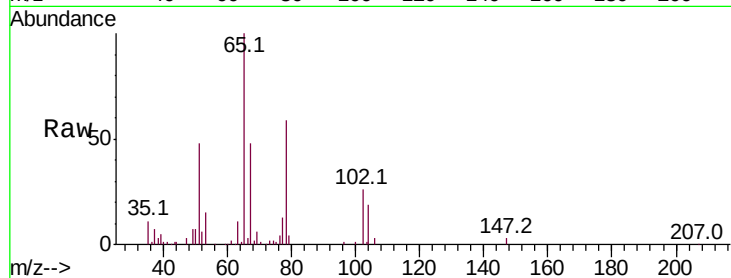
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 78 Resp: 21681

Ion Ratio Lower Upper

78 100

77 21.5 17.8 26.6



#41

Methacrylonitrile

Concen: 1.866 ug/l

RT: 7.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Tgt Ion: 41 Resp: 1289

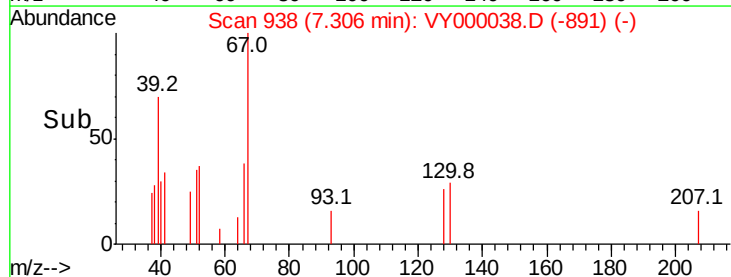
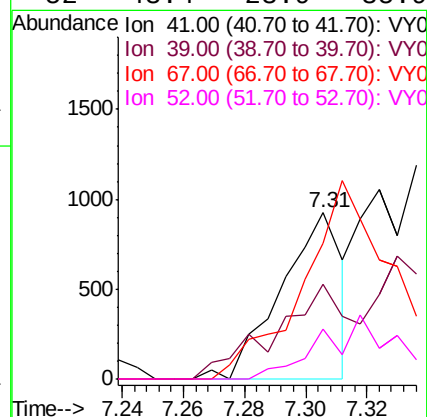
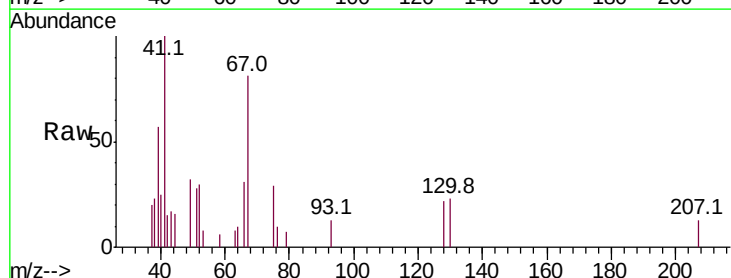
Ion Ratio Lower Upper

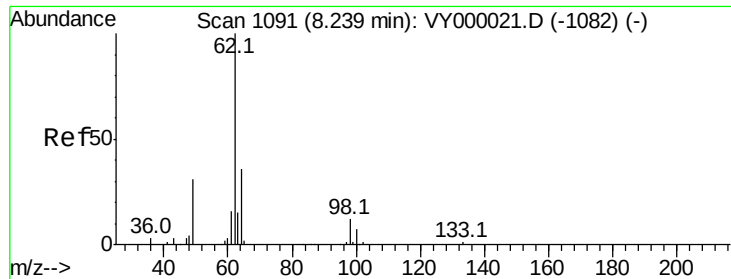
41 100

39 70.8 41.8 62.6#

67 181.5 65.8 98.6#

52 43.4 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 3.952 ug/l

RT: 8.24 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

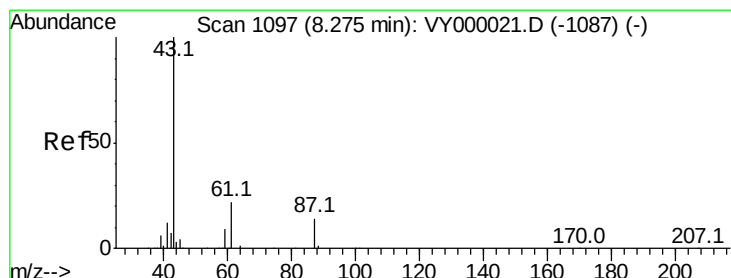
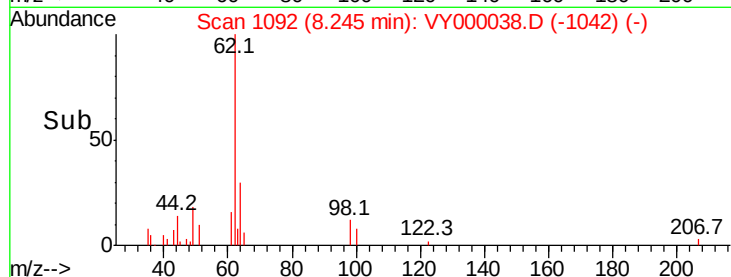
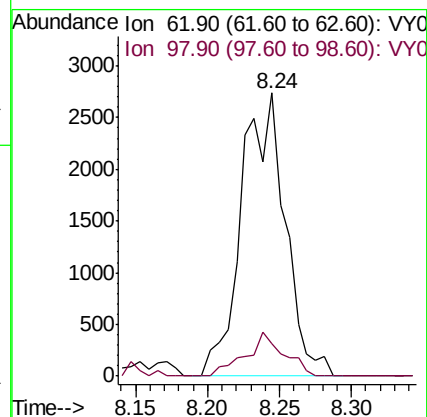
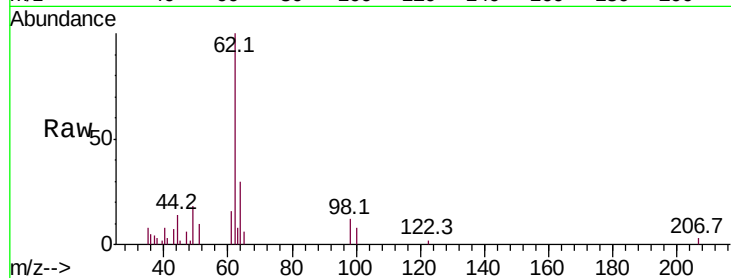
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 62 Resp: 5789

Ion Ratio Lower Upper

62 100

98 13.5 0.0 23.2



#43

Isopropyl Acetate

Concen: 3.291 ug/l

RT: 8.28 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

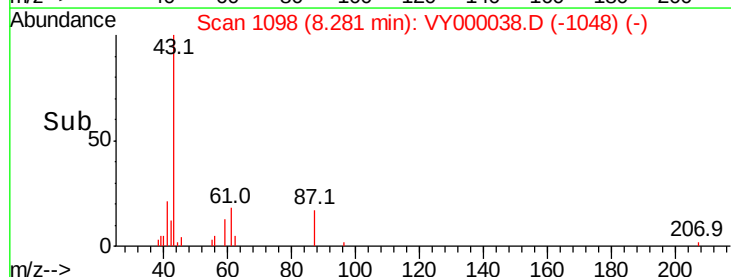
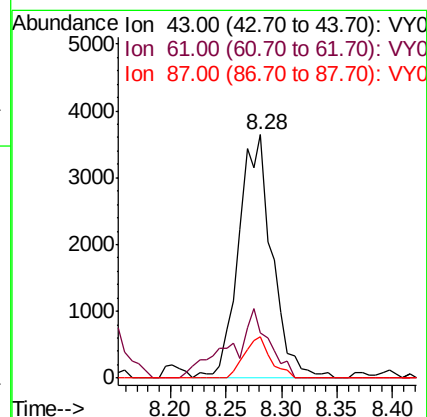
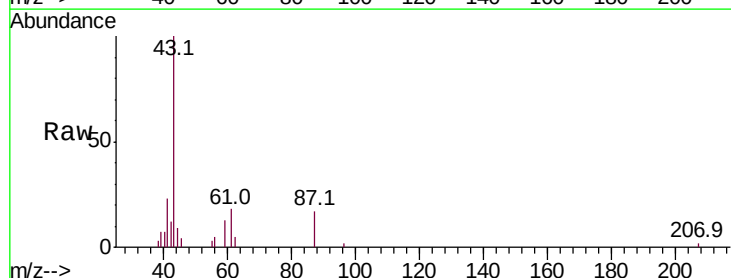
Tgt Ion: 43 Resp: 7571

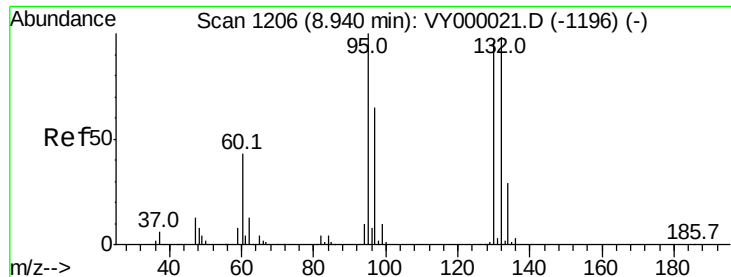
Ion Ratio Lower Upper

43 100

61 33.1 24.9 37.3

87 13.2 12.3 18.5





#44

Trichloroethene

Concen: 3.504 ug/l

RT: 8.93 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

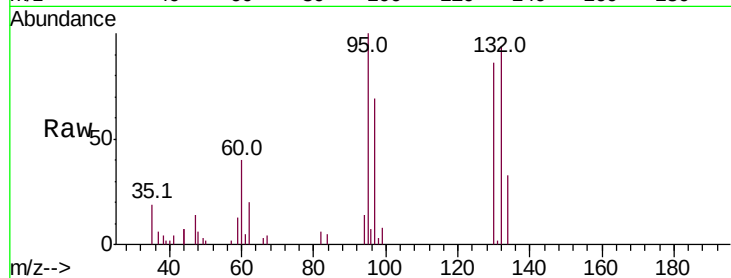
ClientSampleId :

Tot Ion:130 Resp: 5015

Ion Ratio Lower Upper

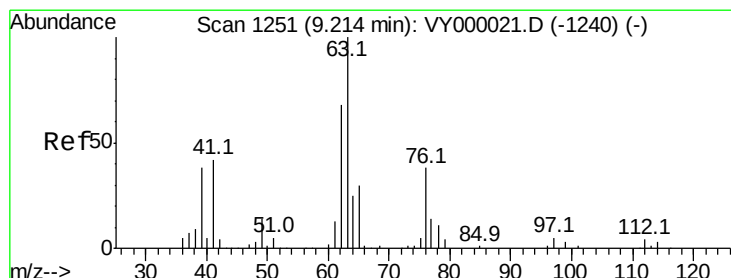
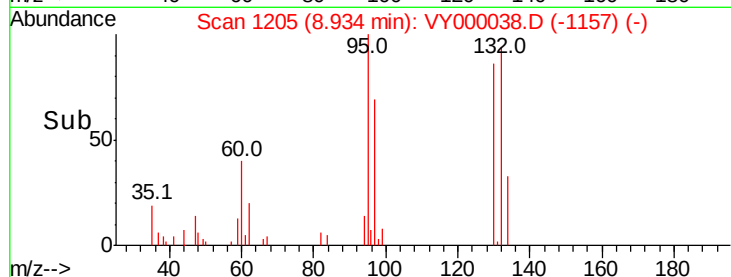
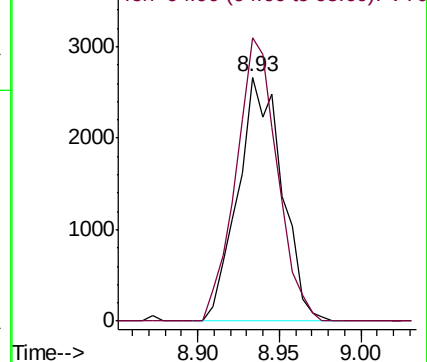
130 100

95 115.9 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: 3.671 ug/l

RT: 9.22 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VY000038.D

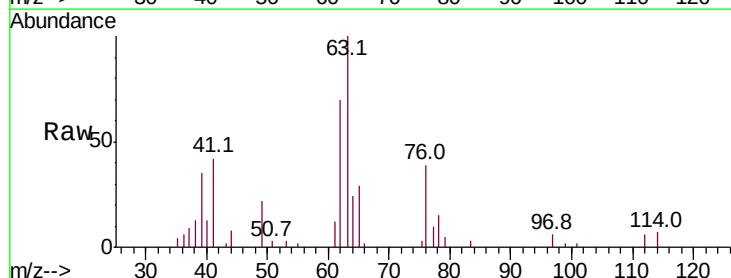
Acq: 13 Sep 2019 11:39

Tgt Ion: 63 Resp: 5426

Ion Ratio Lower Upper

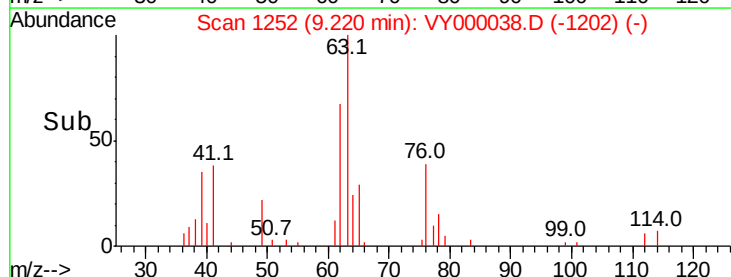
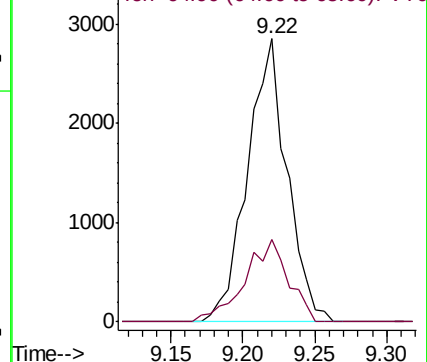
63 100

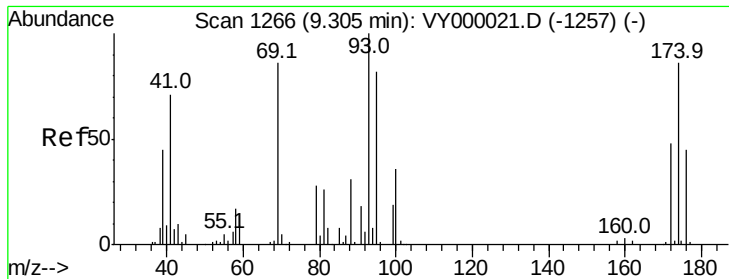
65 29.1 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VY000021.D (-1240) (-)

Ion 64.90 (64.60 to 65.60): VY000021.D (-1240) (-)

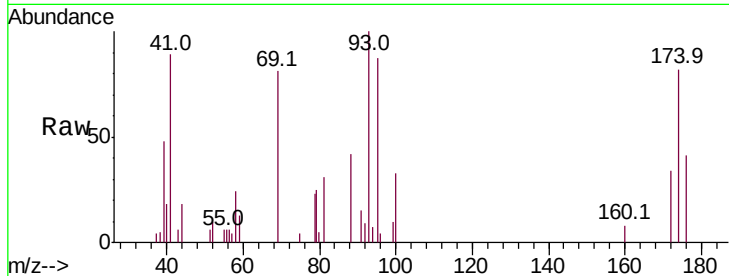




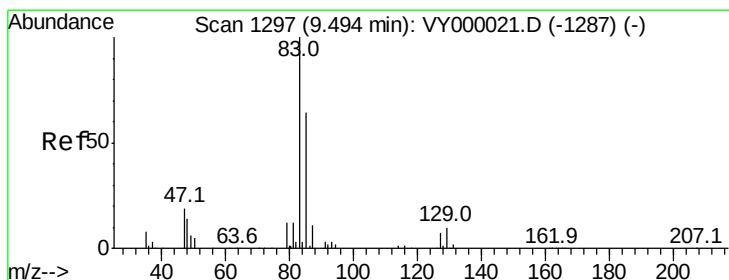
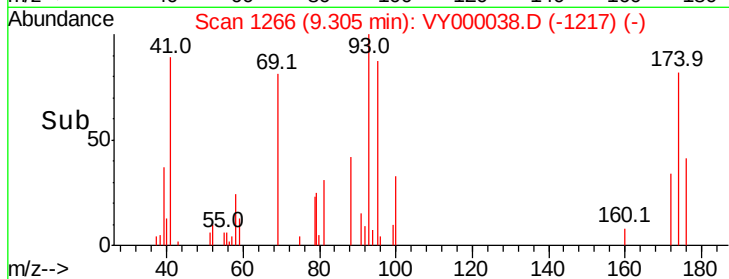
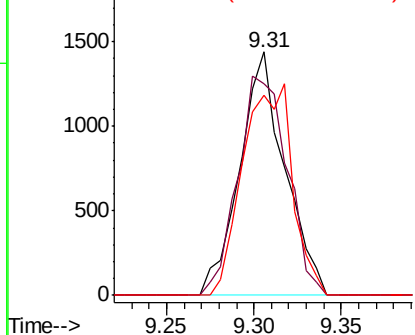
#46
Dibromomethane
Concen: 3.157 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 93 Resp: 2590
Ion Ratio Lower Upper
93 100
95 98.5 67.0 100.6
174 95.5 68.8 103.2

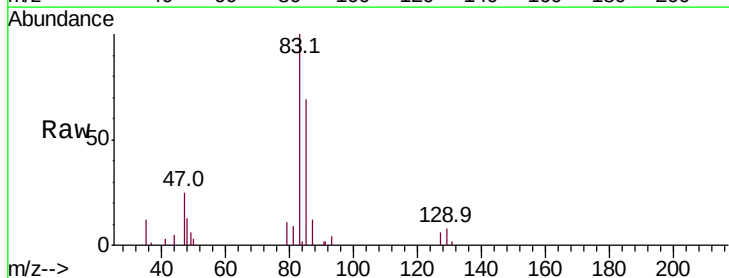


Abundance Ion 92.80 (92.50 to 93.50): VY0
Ion 94.80 (94.50 to 95.50): VY0
Ion 173.70 (173.40 to 174.40): V

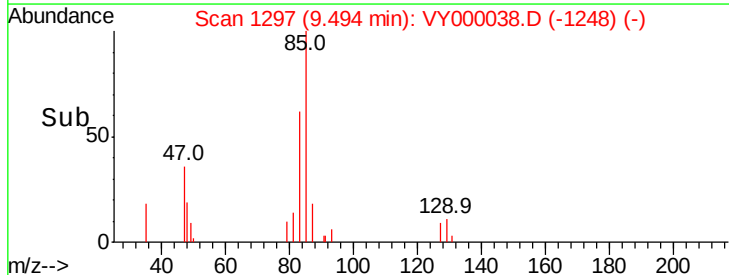
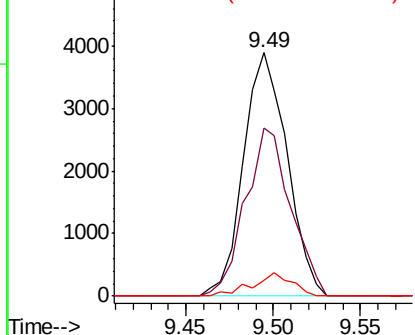


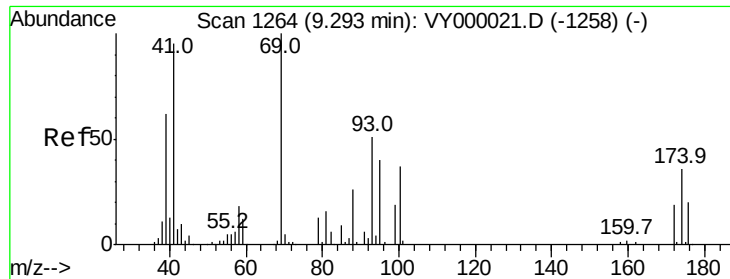
#47
Bromodichloromethane
Concen: 3.442 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 83 Resp: 6741
Ion Ratio Lower Upper
83 100
85 69.1 51.4 77.2
127 6.3 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): V

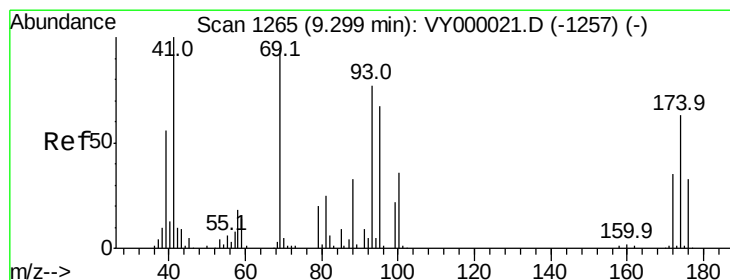
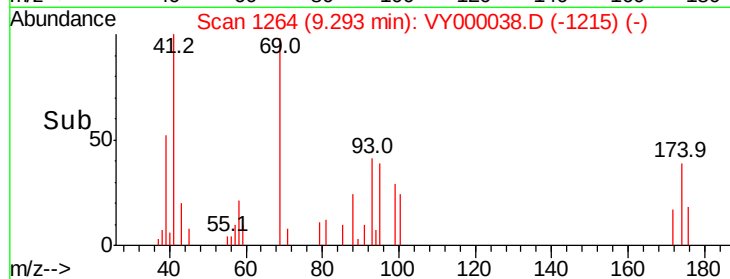
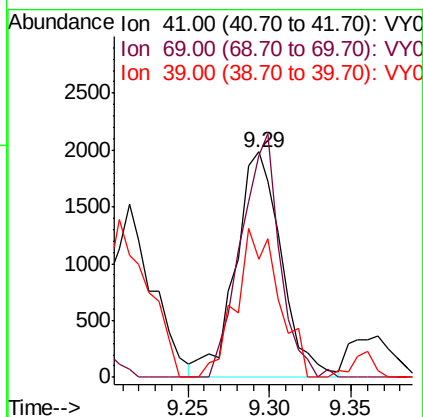
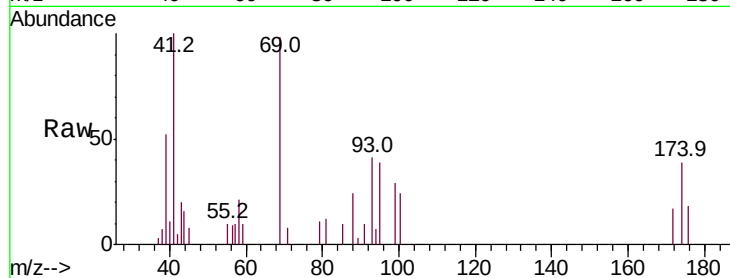




#48
Methyl methacrylate
Concen: 3.818 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

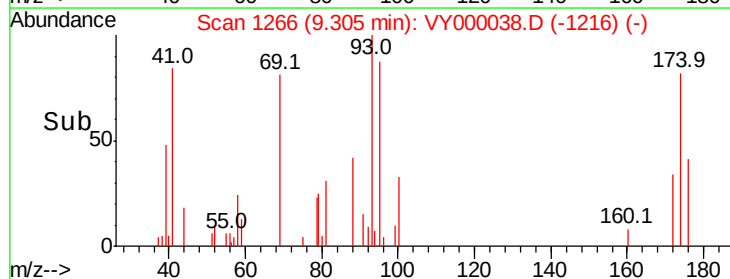
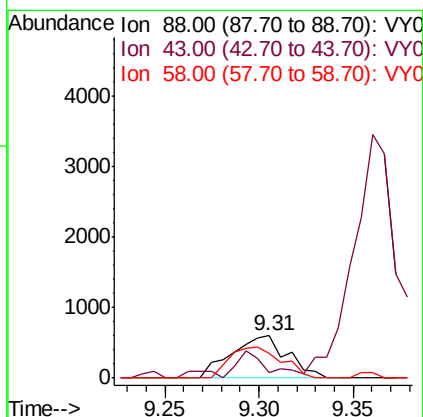
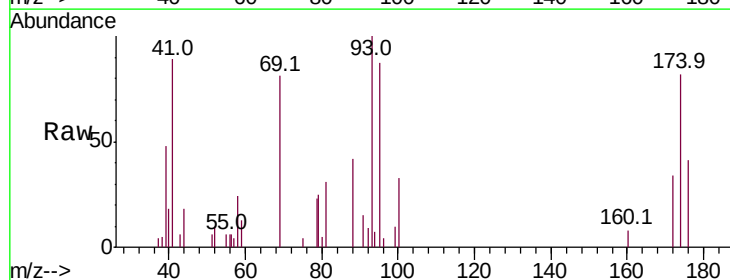
Instrument :
MSVOA_Y
ClientSampled :

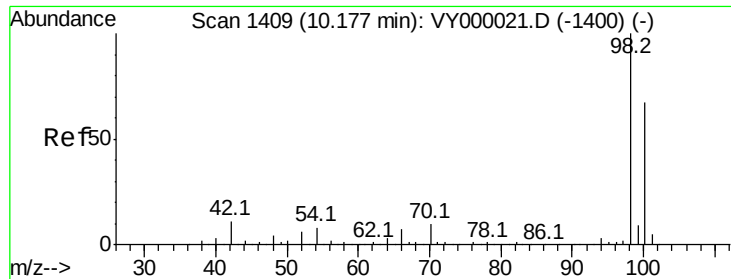
Tot Ion: 41 Resp: 3876
Ion Ratio Lower Upper
41 100
69 92.0 79.7 119.5
39 61.9 48.6 72.8



#49
1,4-Dioxane
Concen: 71.773 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 88 Resp: 1233
Ion Ratio Lower Upper
88 100
43 34.6 24.6 37.0
58 68.1 52.7 79.1

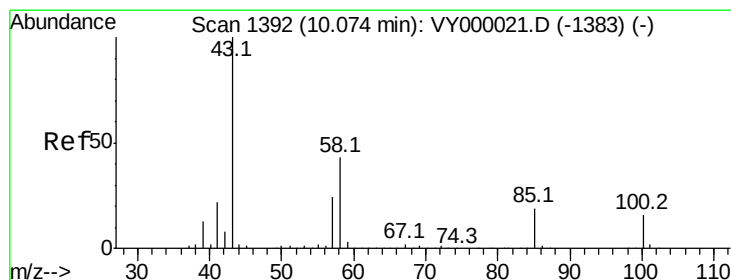
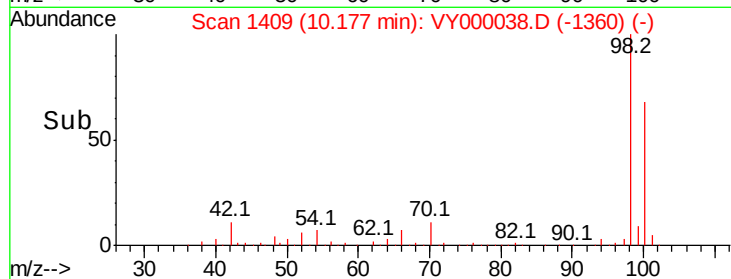
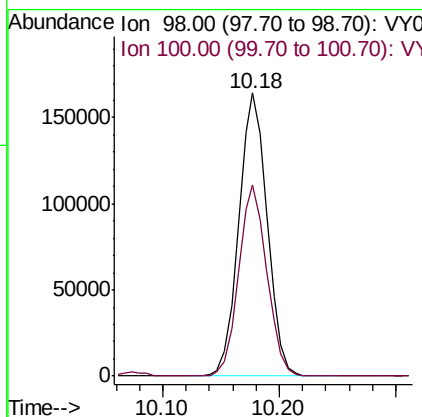
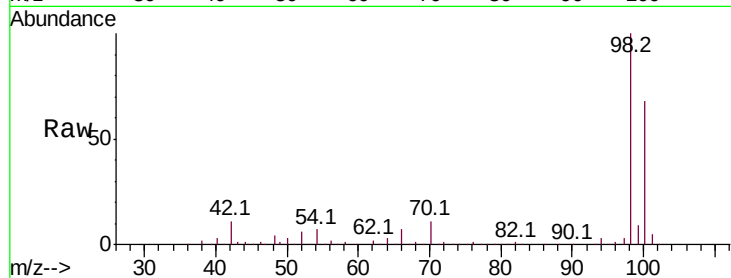




#50
Toluene-d8
Concen: 50.201 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

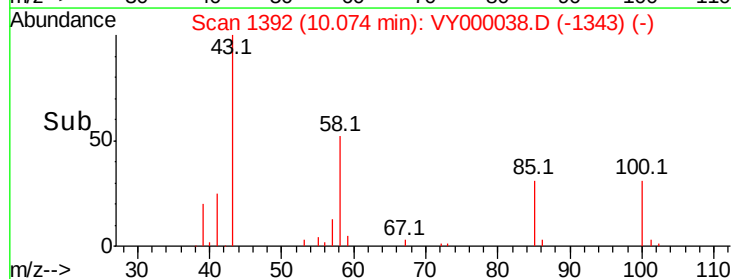
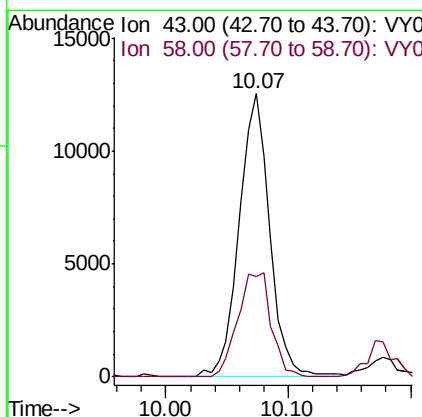
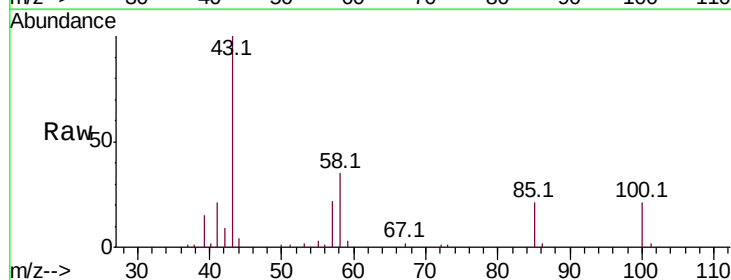
Instrument :
MSVOA_Y
ClientSampled :

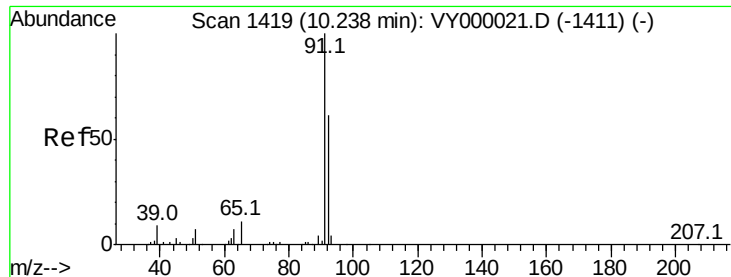
Tot Ion: 98 Resp: 278068
Ion Ratio Lower Upper
98 100
100 67.0 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 16.813 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 43 Resp: 21675
Ion Ratio Lower Upper
43 100
58 40.1 34.1 51.1





#52

Toluene

Concen: 3.815 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

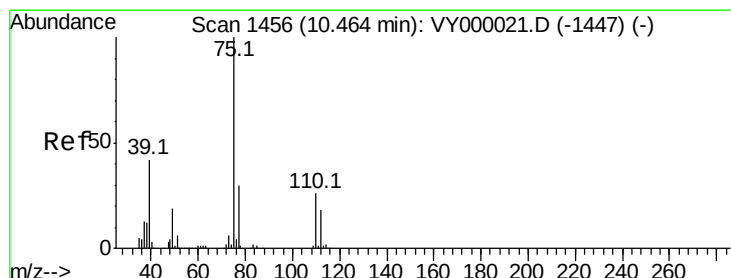
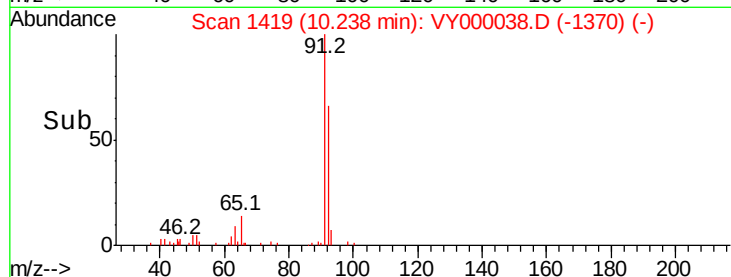
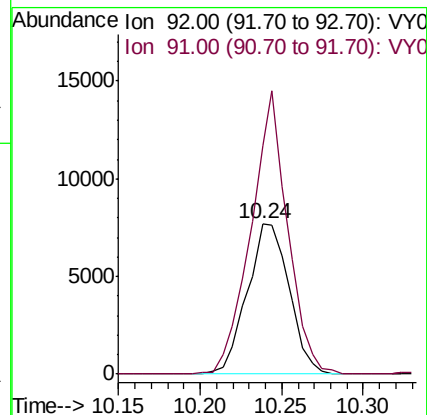
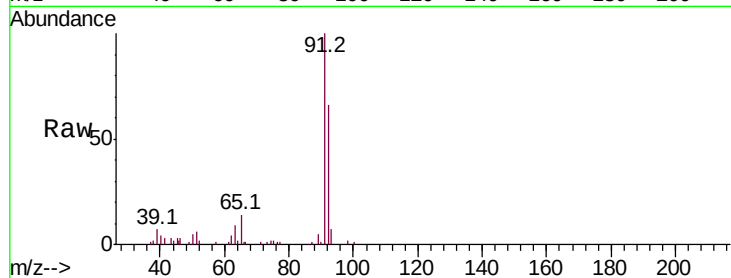
ClientSampleId :

Tot Ion: 92 Resp: 13742

Ion Ratio Lower Upper

92 100

91 165.0 136.4 204.6



#53

t-1,3-Dichloropropene

Concen: 3.442 ug/l

RT: 10.46 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VY000038.D

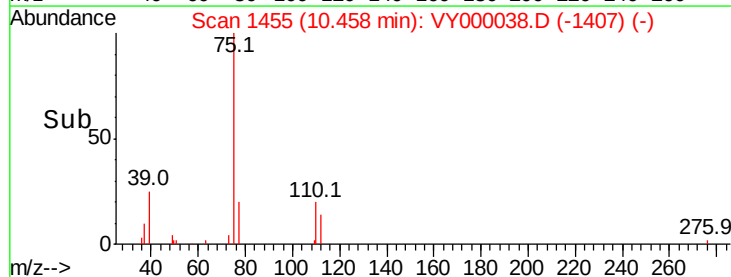
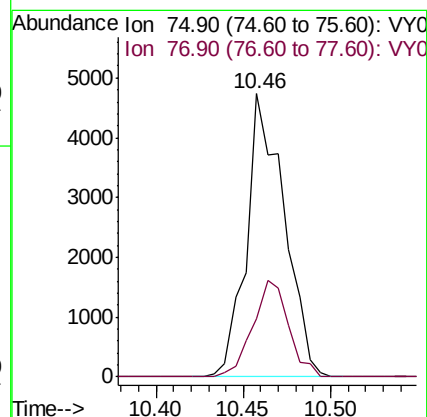
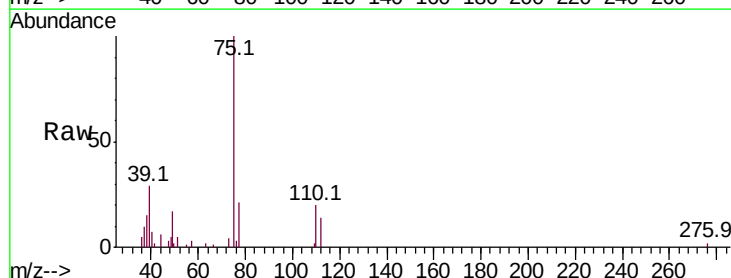
Acq: 13 Sep 2019 11:39

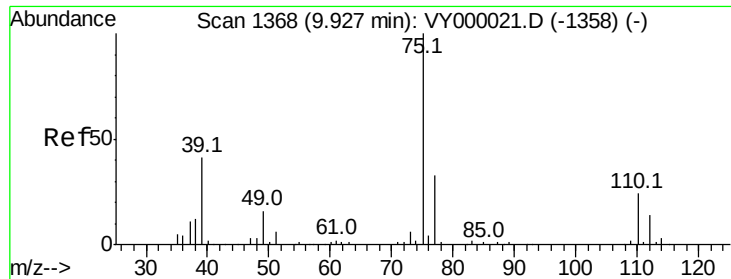
Tgt Ion: 75 Resp: 7086

Ion Ratio Lower Upper

75 100

77 20.6 23.8 35.8#

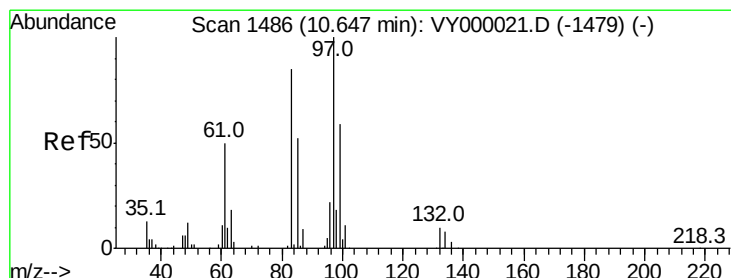
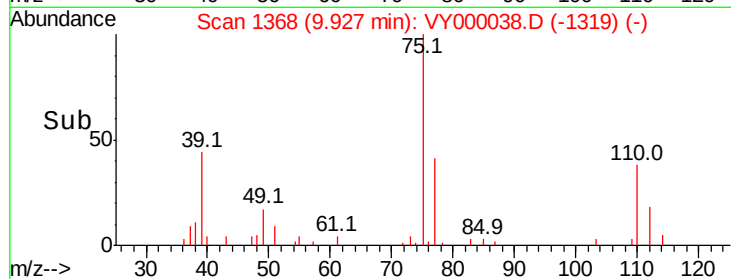
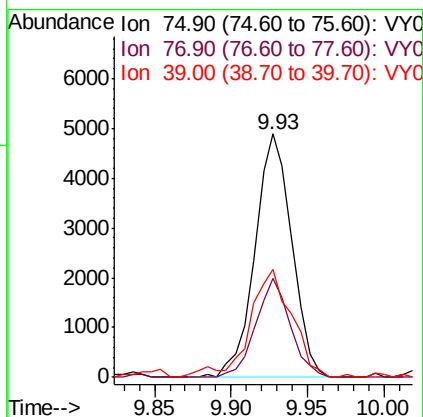
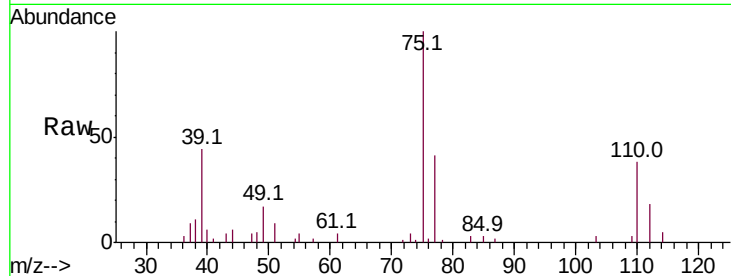




#54
 cis-1,3-Dichloropropene
 Concen: 3.420 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

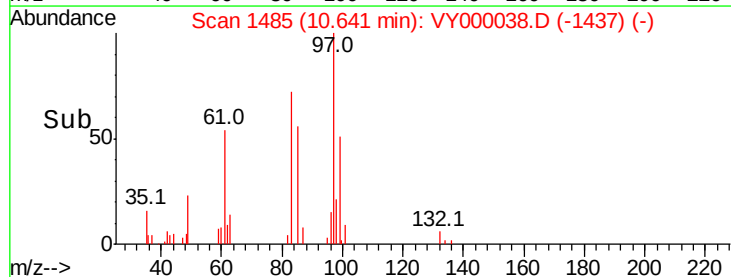
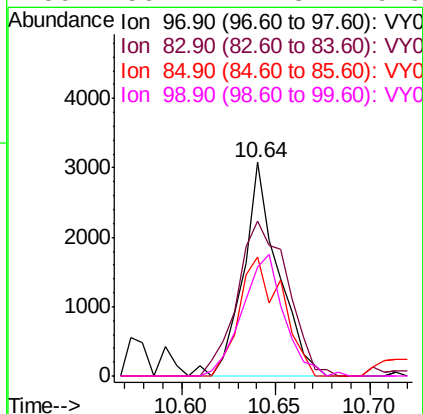
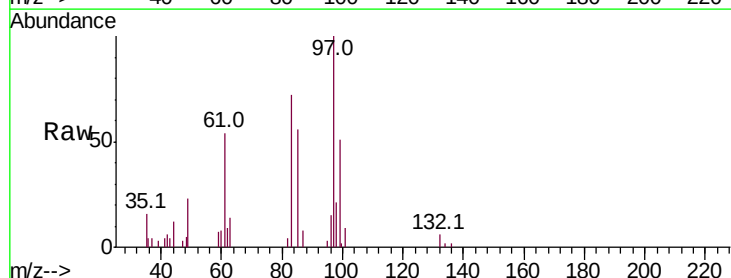
Instrument :
 MSVOA_Y
 ClientSampleId :

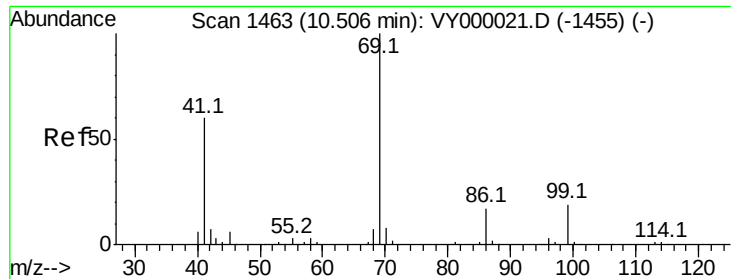
Tot Ion: 75 Resp: 8193
 Ion Ratio Lower Upper
 75 100
 77 40.6 26.3 39.5#
 39 44.1 32.9 49.3



#55
 1,1,2-Trichloroethane
 Concen: 3.023 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 97 Resp: 3930
 Ion Ratio Lower Upper
 97 100
 83 72.2 68.2 102.2
 85 55.9 41.7 62.5
 99 50.7 47.3 70.9





#56

Ethyl methacrylate

Concen: 3.586 ug/l

RT: 10.51 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

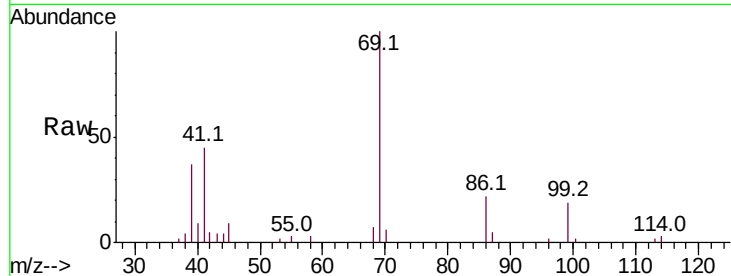
Tot Ion: 69 Resp: 6543

Ion Ratio Lower Upper

69 100

41 52.8 47.0 70.4

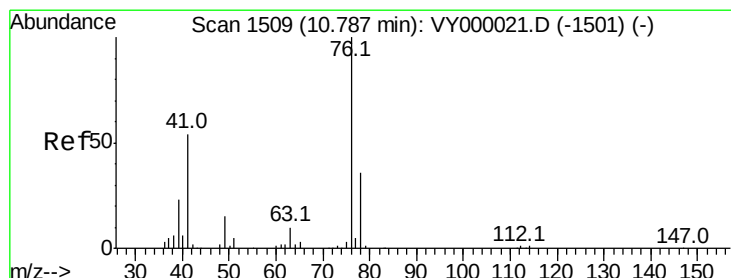
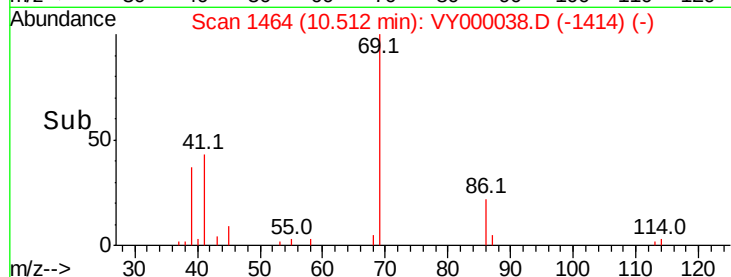
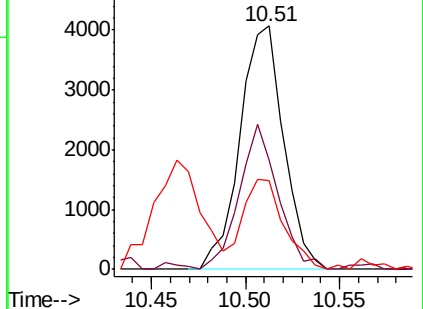
39 34.9 26.4 39.6



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: 3.666 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VY000038.D

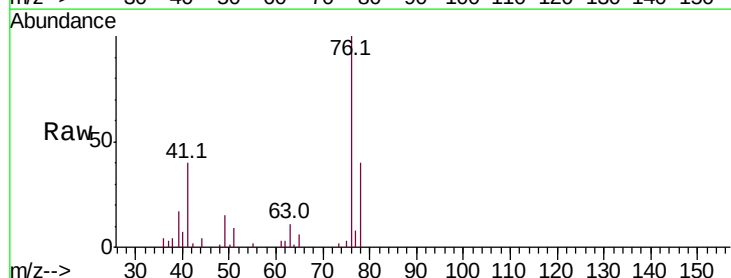
Acq: 13 Sep 2019 11:39

Tgt Ion: 76 Resp: 7622

Ion Ratio Lower Upper

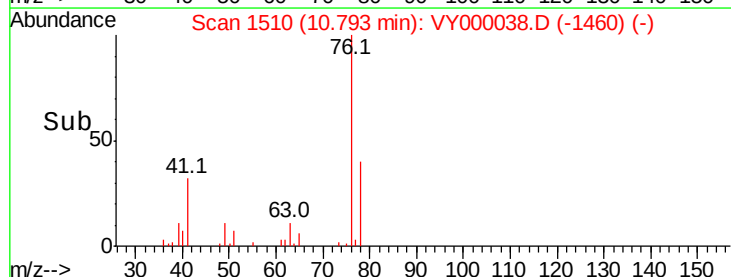
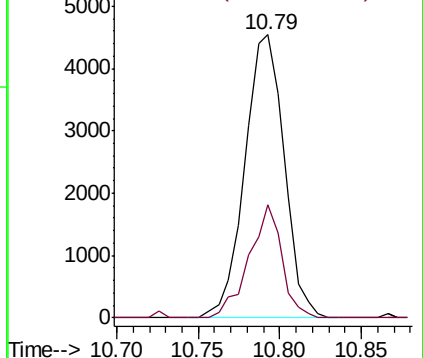
76 100

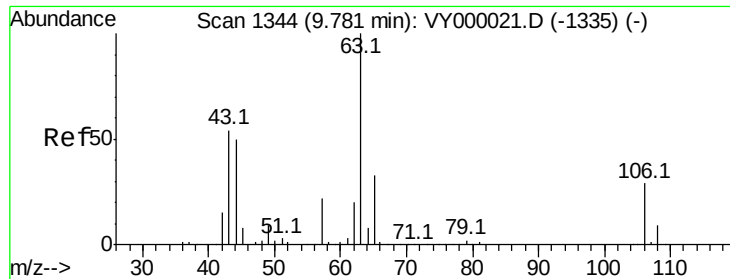
78 33.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

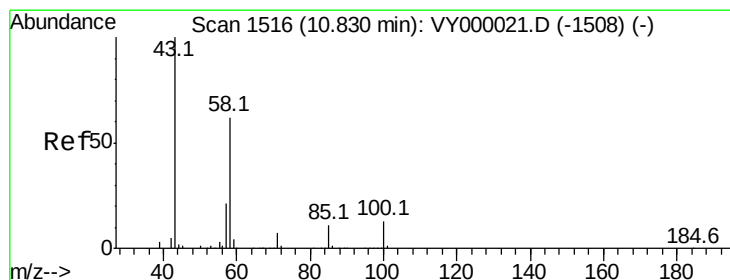
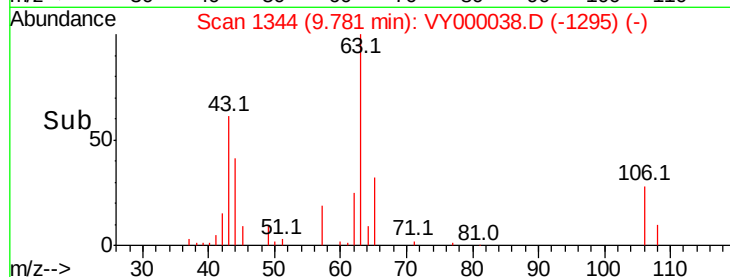
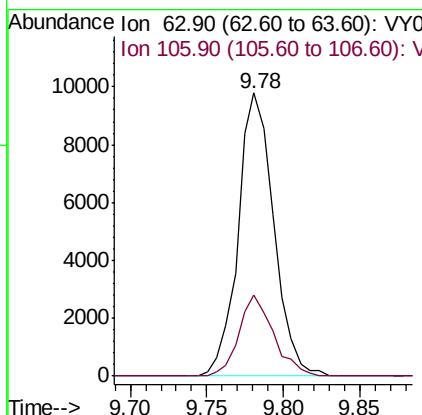
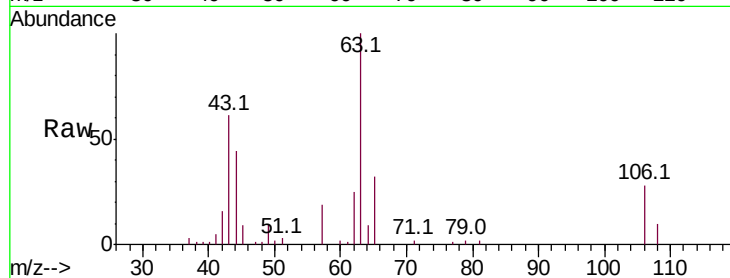




#58
 2-Chloroethyl Vinyl ether
 Concen: 15.787 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

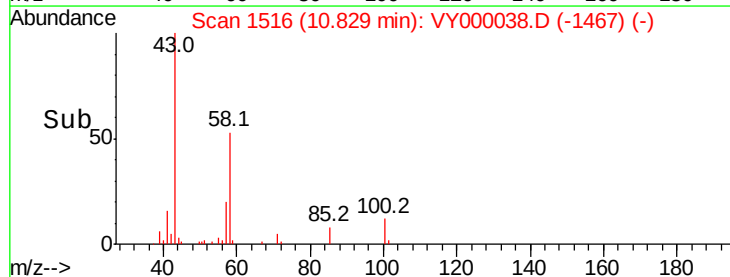
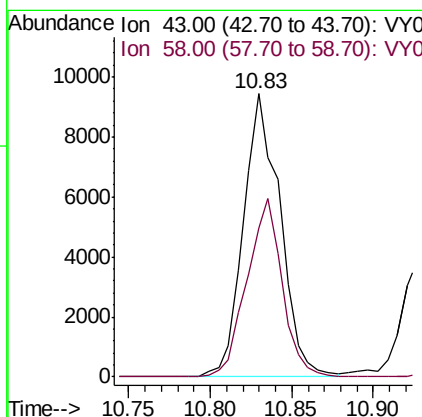
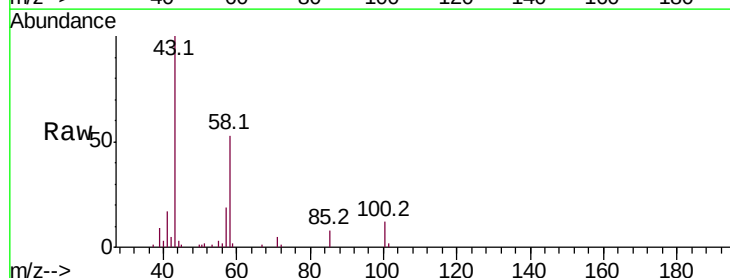
Instrument :
 MSVOA_Y
 ClientSampleId :

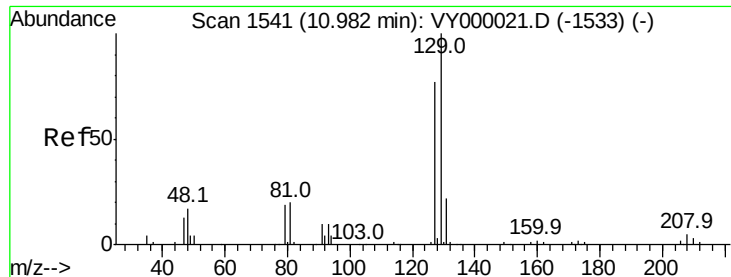
Tot Ion: 63 Resp: 15777
 Ion Ratio Lower Upper
 63 100
 106 27.9 23.7 35.5



#59
 2-Hexanone
 Concen: 15.897 ug/l
 RT: 10.83 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 43 Resp: 14769
 Ion Ratio Lower Upper
 43 100
 58 60.5 30.3 90.8

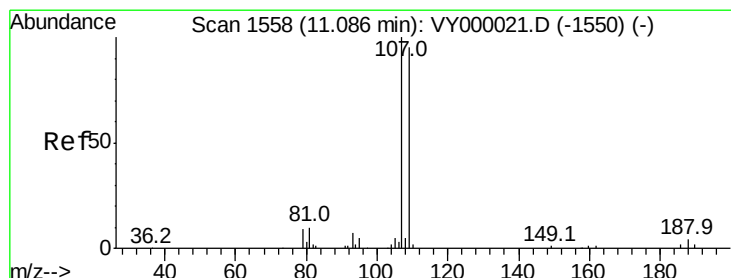
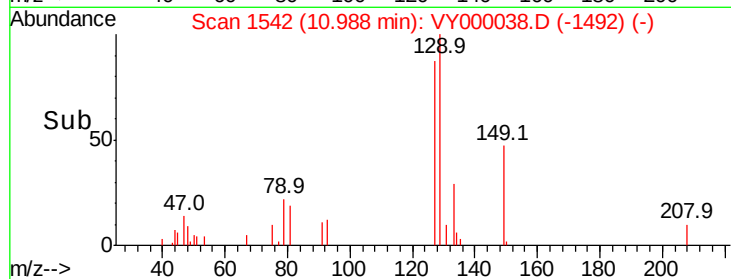
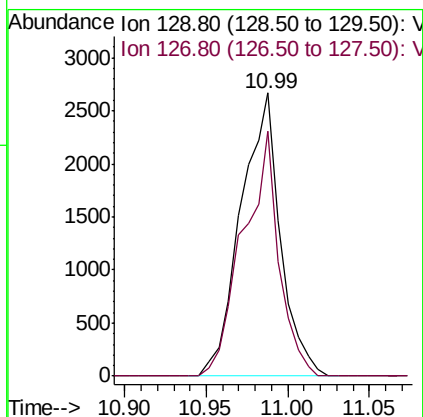
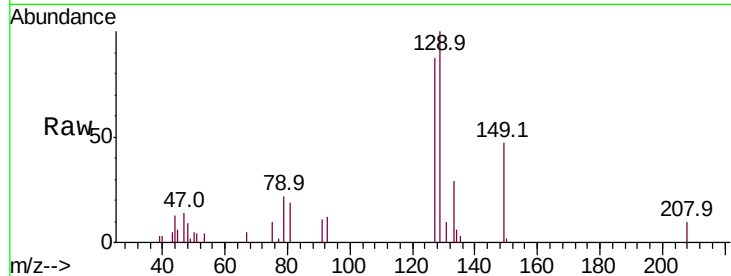




#60
 Dibromochloromethane
 Concen: 3.277 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

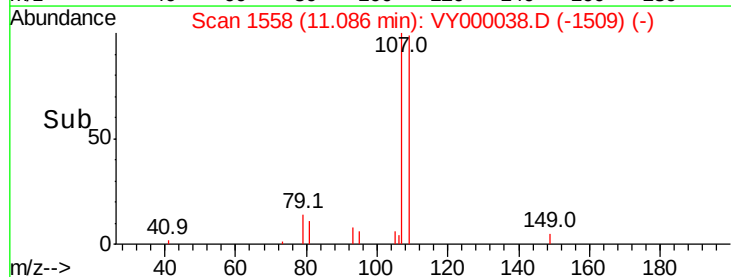
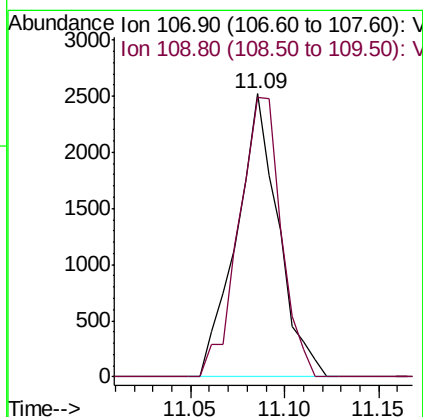
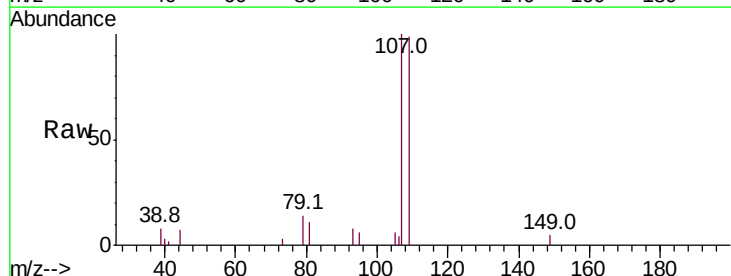
Instrument :
 MSVOA_Y
 ClientSampleId :

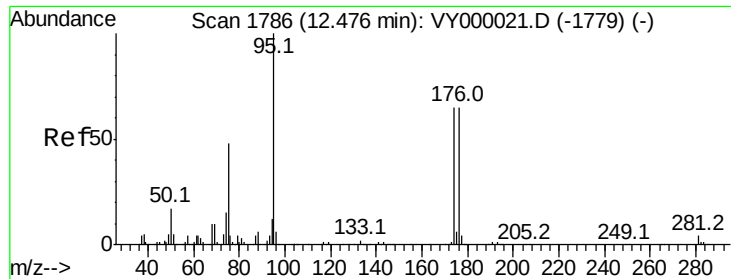
Tot Ion:129 Resp: 4488
 Ion Ratio Lower Upper
 129 100
 127 78.6 38.4 115.2



#61
 1,2-Dibromoethane
 Concen: 3.374 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion:107 Resp: 3874
 Ion Ratio Lower Upper
 107 100
 109 99.7 76.7 115.1

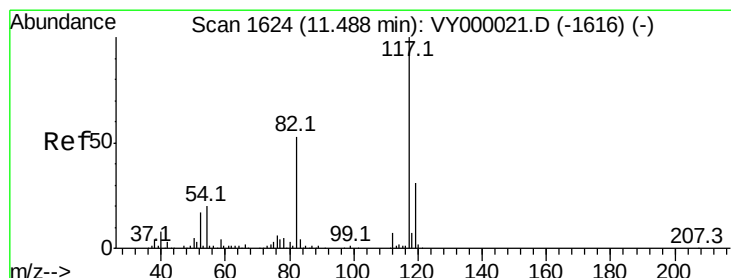
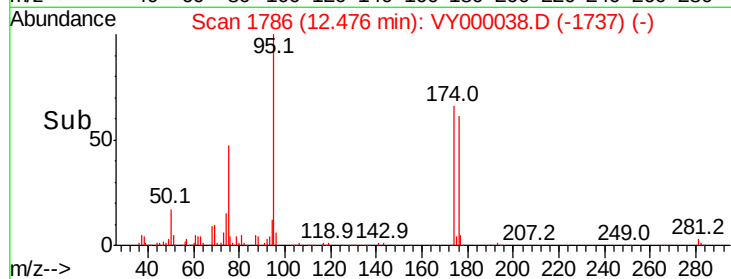
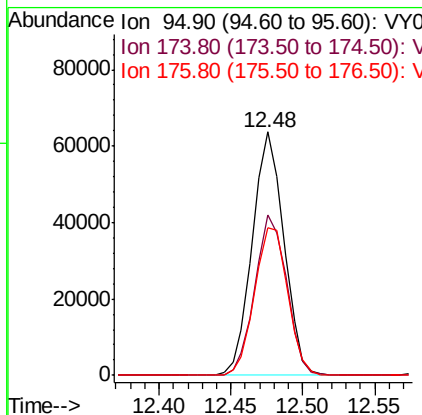
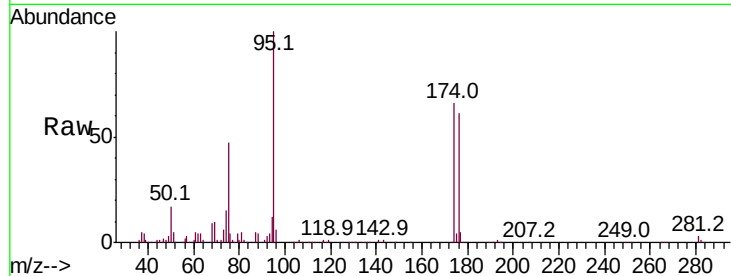




#62
4-Bromofluorobenzene
Concen: 47.915 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

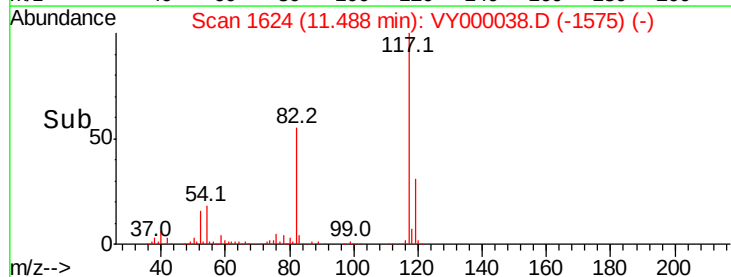
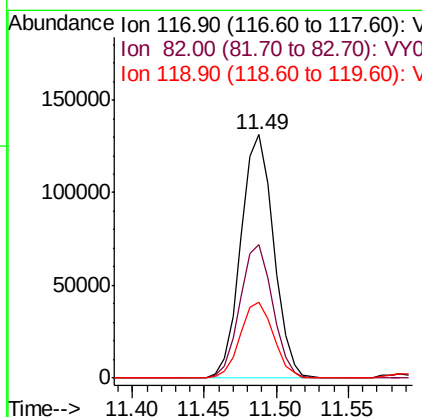
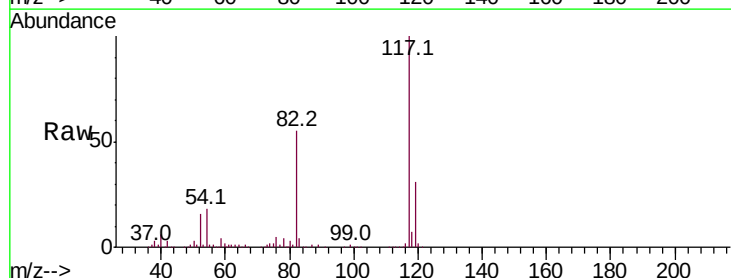
Instrument :
MSVOA_Y
ClientSampleId :

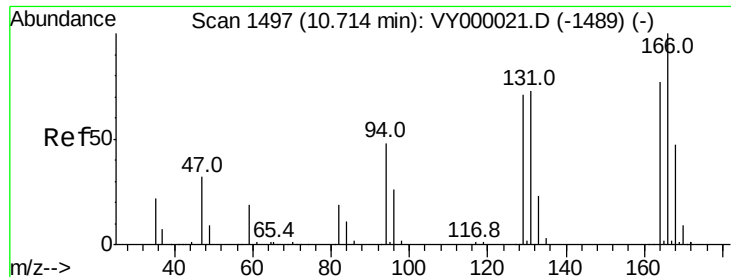
Tot Ion	95	Resp	96465
Ion Ratio	100	Lower	Upper
174	66.0	0.0	137.6
176	63.6	0.0	134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion	117	Resp	207860
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
82	55.0	42.5	63.7
119	31.1	25.1	37.7





#64

Tetrachloroethene

Concen: 3.956 ug/l

RT: 10.72 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:164 Resp: 5043

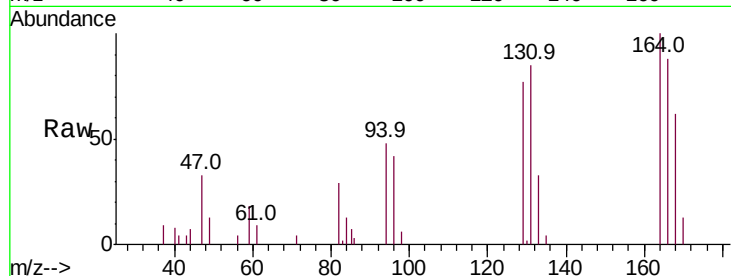
Ion Ratio Lower Upper

164 100

166 88.4 103.4 155.0#

129 76.7 73.4 110.0

131 85.4 75.9 113.9



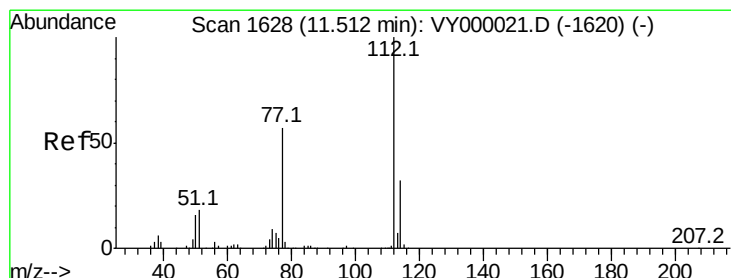
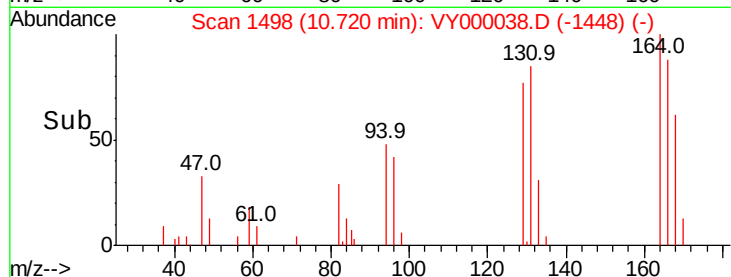
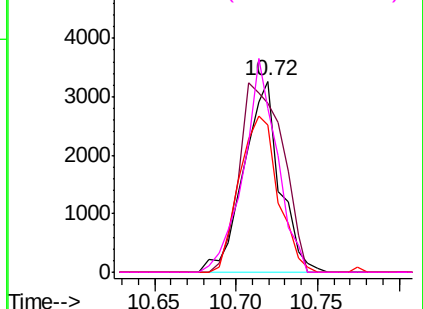
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 3.450 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000038.D

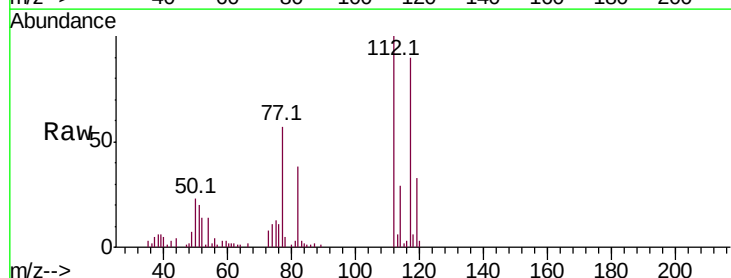
Acq: 13 Sep 2019 11:39

Tgt Ion:112 Resp: 13664

Ion Ratio Lower Upper

112 100

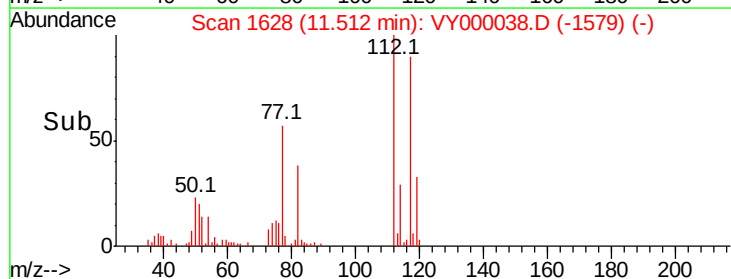
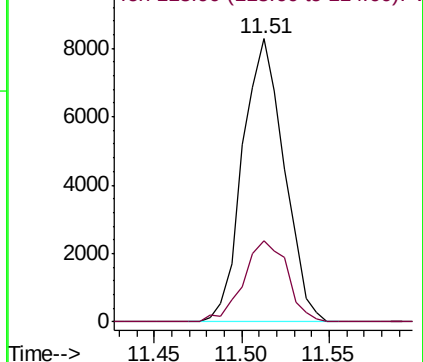
114 28.8 25.4 38.2

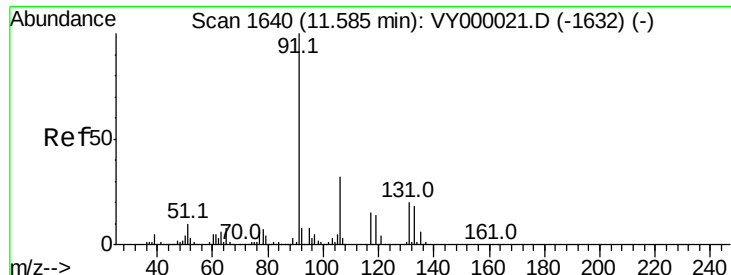


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 3.389 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

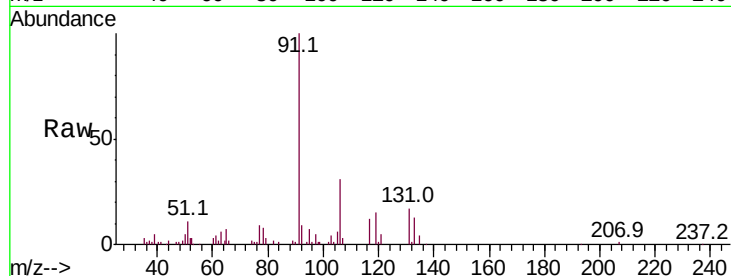
Tot Ion:131 Resp: 4651

Ion Ratio Lower Upper

131 100

133 90.6 47.2 141.6

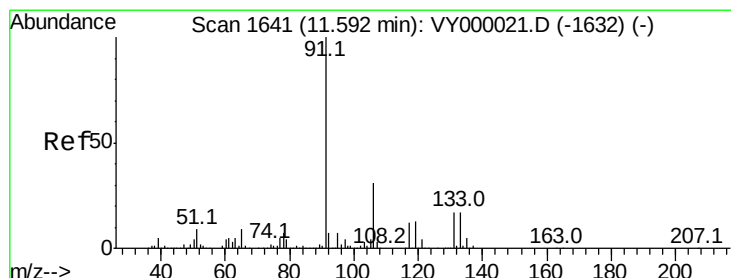
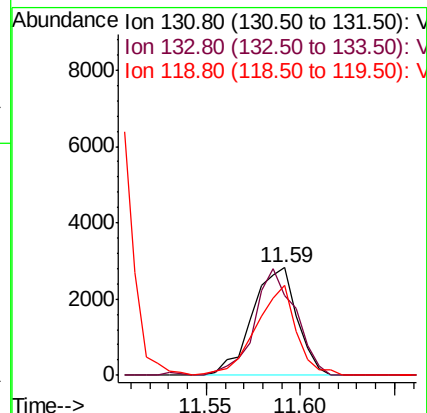
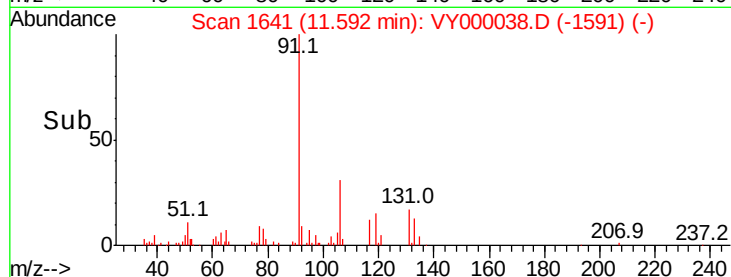
119 75.6 35.4 106.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 3.571 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VY000038.D

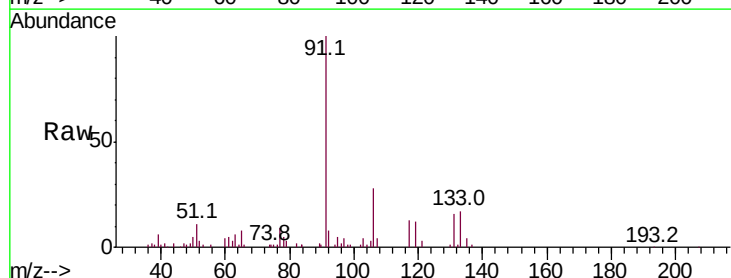
Acq: 13 Sep 2019 11:39

Tgt Ion: 91 Resp: 25693

Ion Ratio Lower Upper

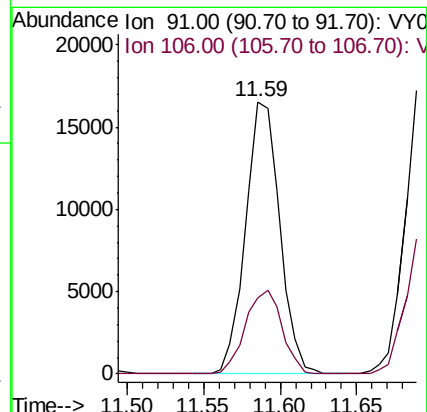
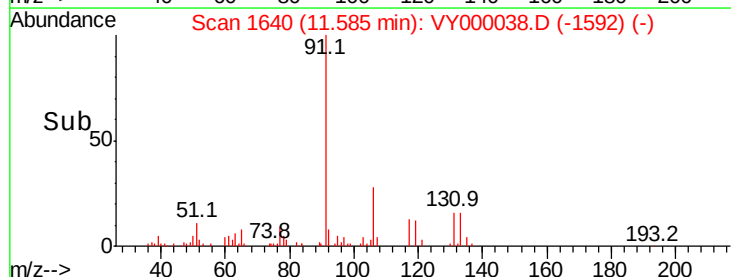
91 100

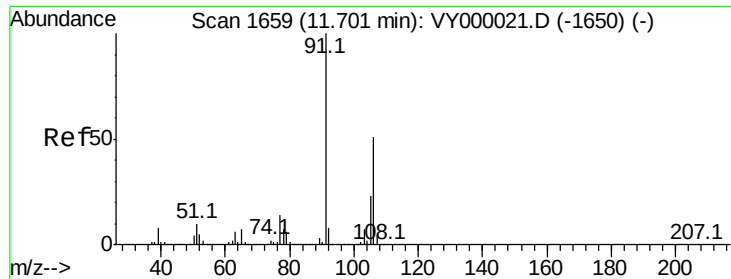
106 27.8 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 7.003 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

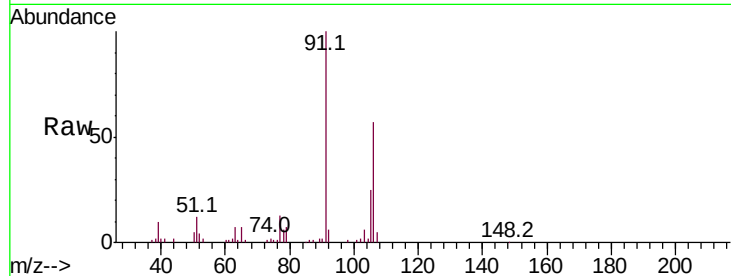
ClientSampleId :

Tot Ion:106 Resp: 19016

Ion Ratio Lower Upper

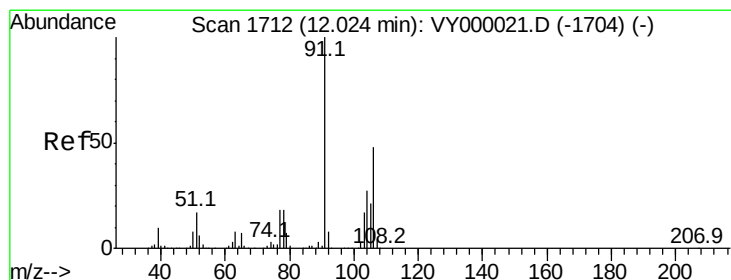
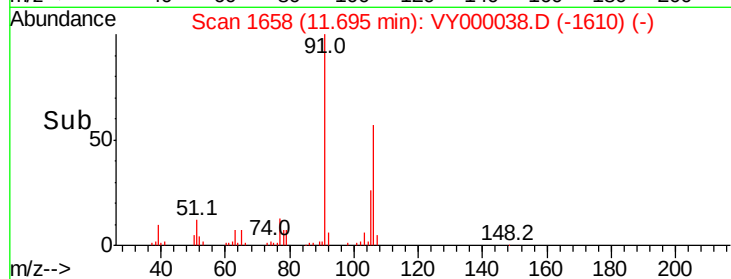
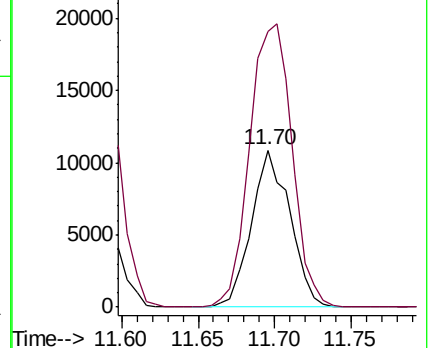
106 100

91 199.4 158.5 237.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 3.636 ug/l

RT: 12.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VY000038.D

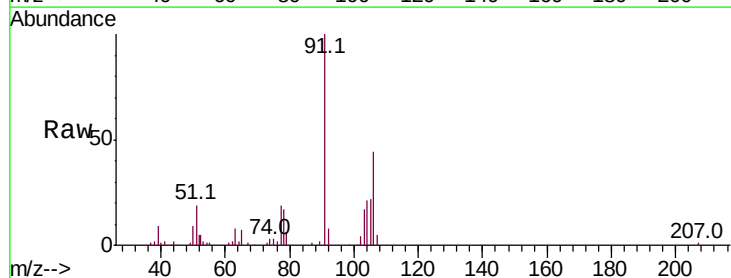
Acq: 13 Sep 2019 11:39

Tgt Ion:106 Resp: 9675

Ion Ratio Lower Upper

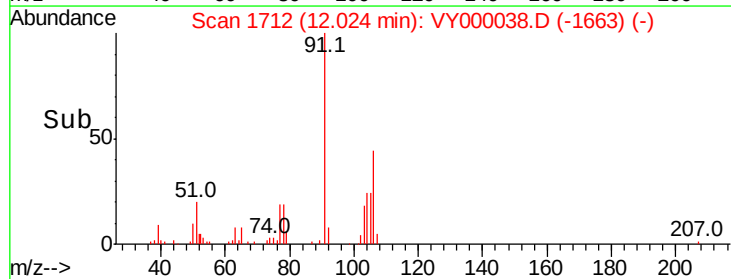
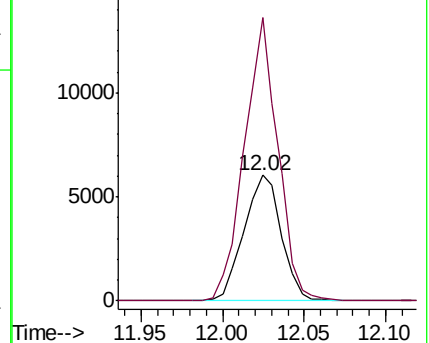
106 100

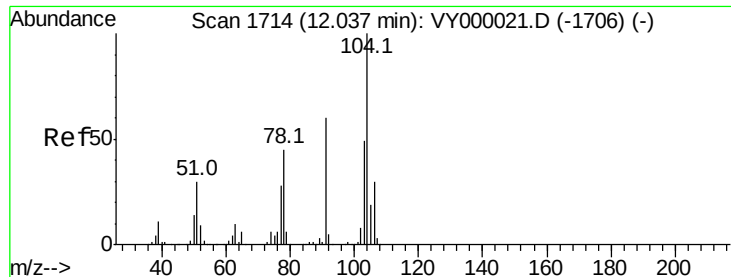
91 201.6 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

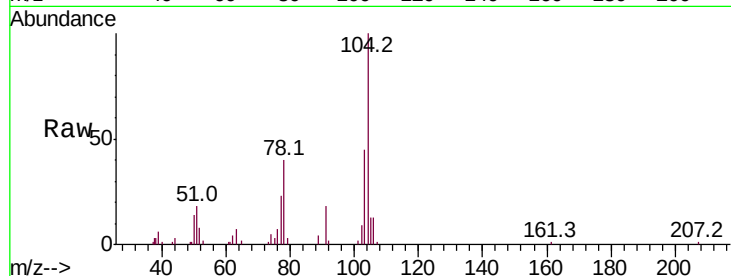




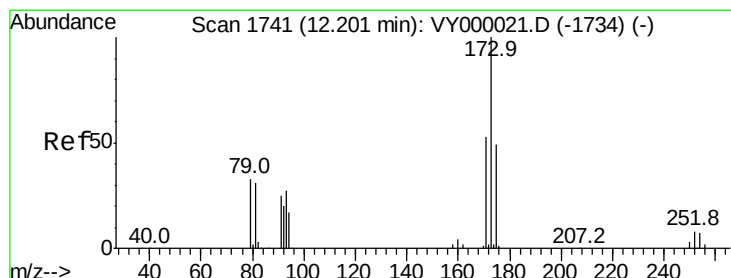
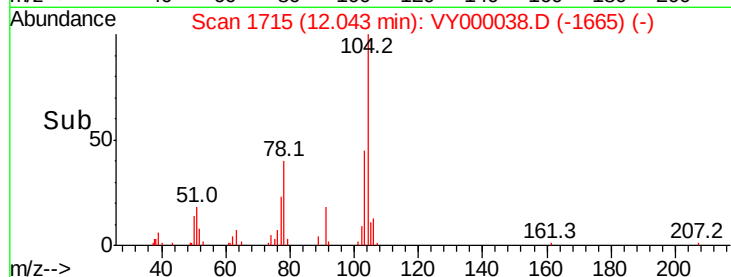
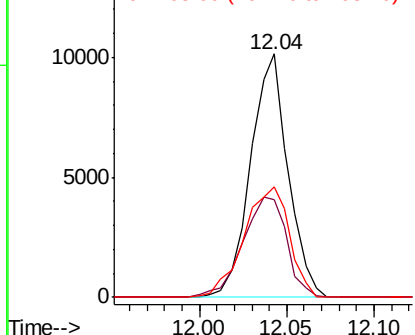
#70
Stvrene
Concen: 3.278 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:104 Resp: 15177
Ion Ratio Lower Upper
104 100
78 48.2 38.0 57.0
103 55.1 42.4 63.6

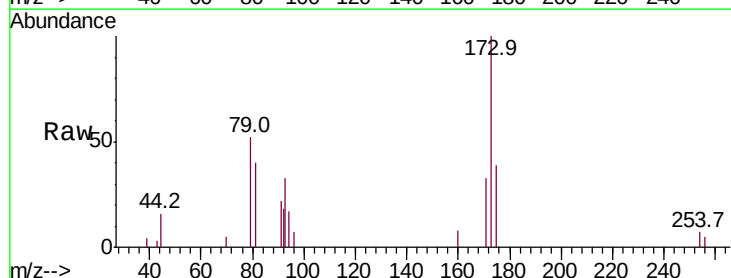


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V

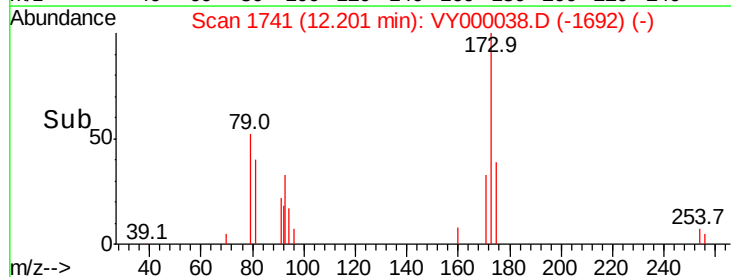
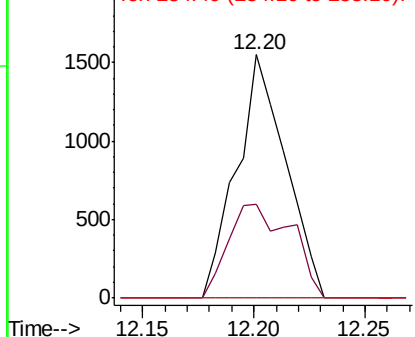


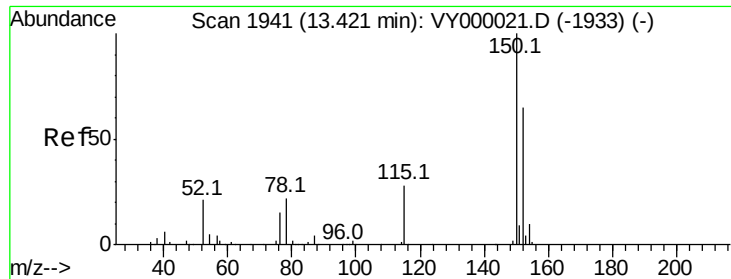
#71
Bromoform
Concen: 2.876 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:173 Resp: 2383
Ion Ratio Lower Upper
173 100
175 49.1 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



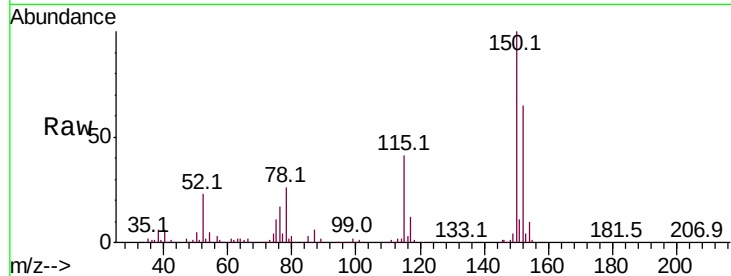


#72

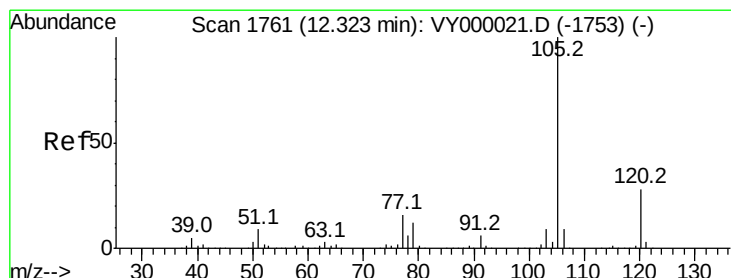
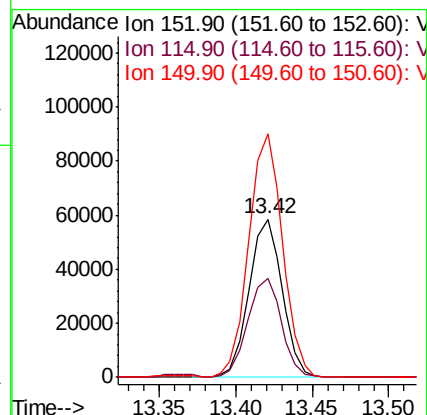
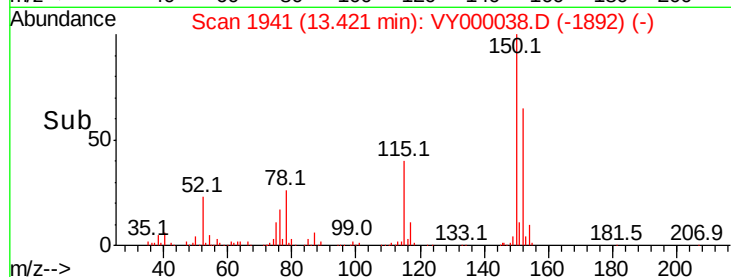
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 88212
Ion Ratio Lower Upper
152 100
115 63.4 29.4 88.2
150 156.6 0.0 349.0



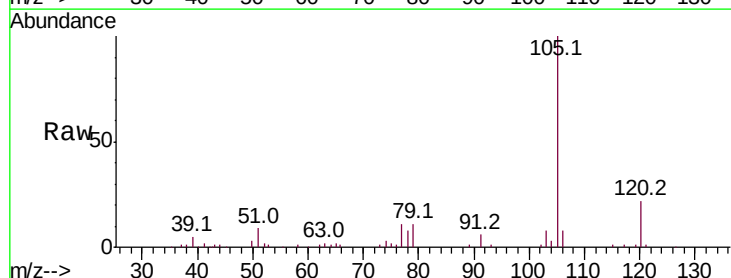
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



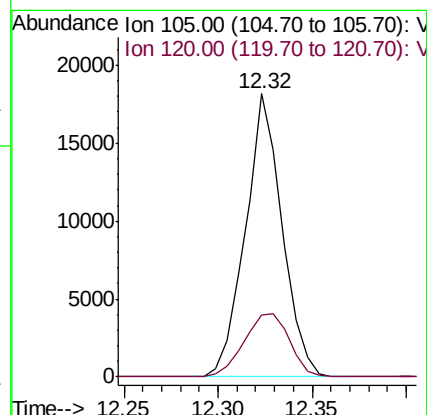
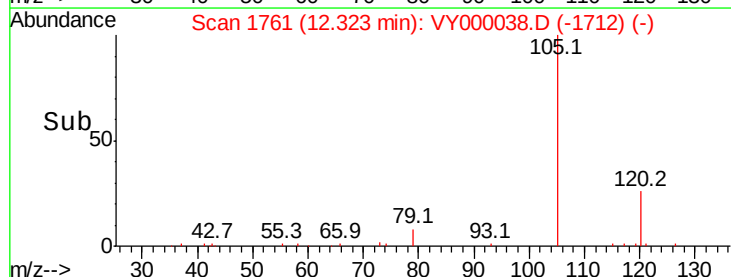
#73

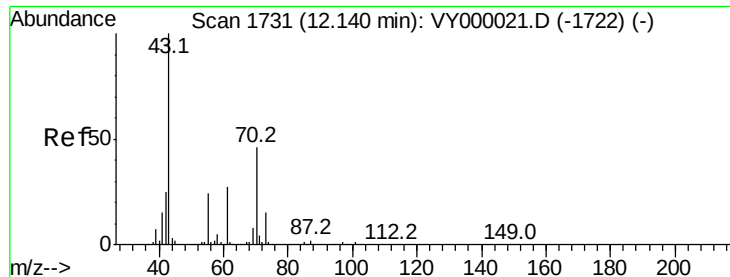
Isopropylbenzene
Concen: 3.630 ug/l
RT: 12.32 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:105 Resp: 24464
Ion Ratio Lower Upper
105 100
120 27.5 13.9 41.6



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





#74

N-amvl acetate

Concen: 3.178 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 6323

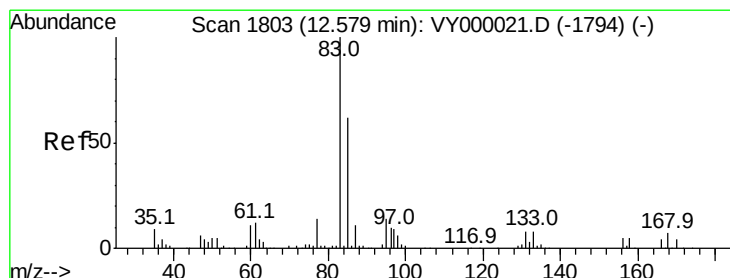
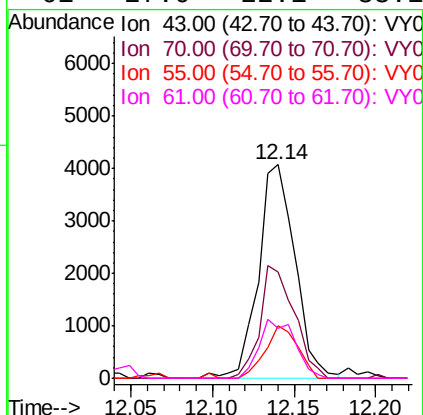
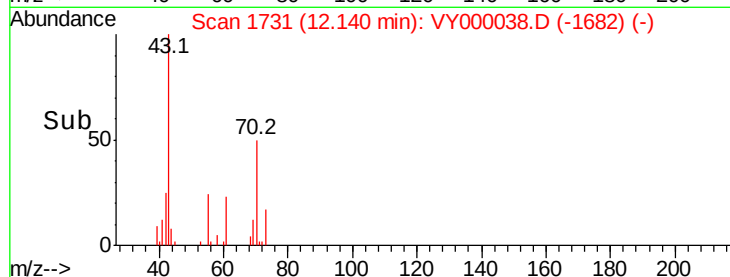
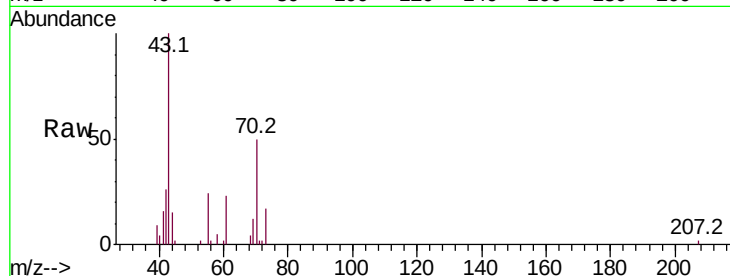
Ion Ratio Lower Upper

43 100

70 49.3 38.1 57.1

55 21.8 18.7 28.1

61 27.0 22.1 33.1



#75

1,1,2,2-Tetrachloroethane

Concen: 3.456 ug/l

RT: 12.57 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

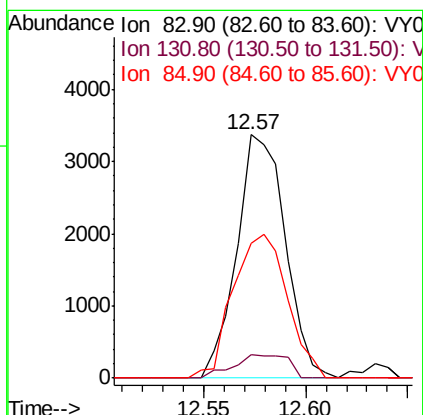
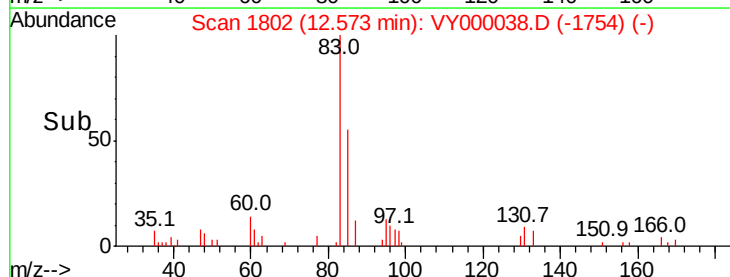
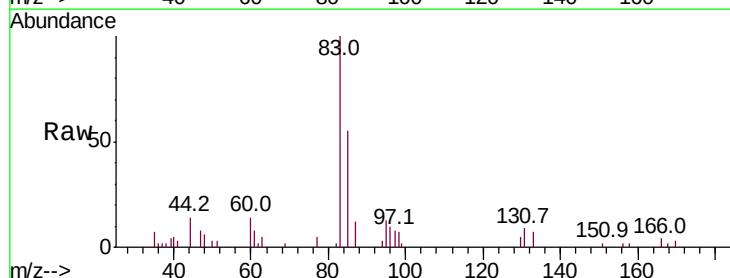
Tgt Ion: 83 Resp: 5570

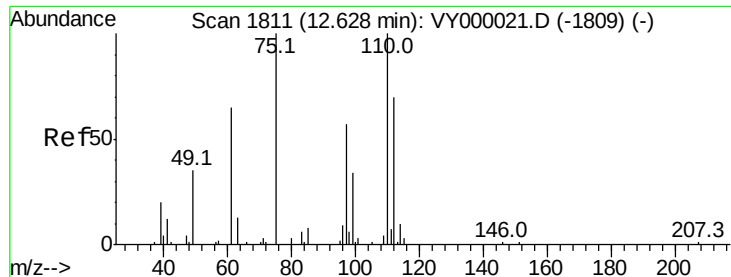
Ion Ratio Lower Upper

83 100

131 10.7 4.6 13.8

85 66.1 31.8 95.3

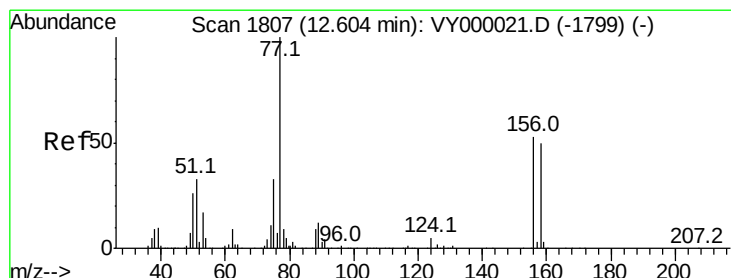
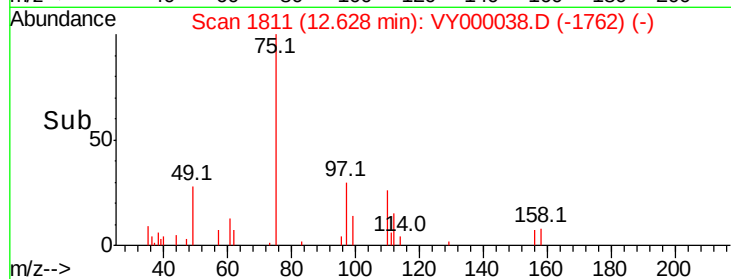
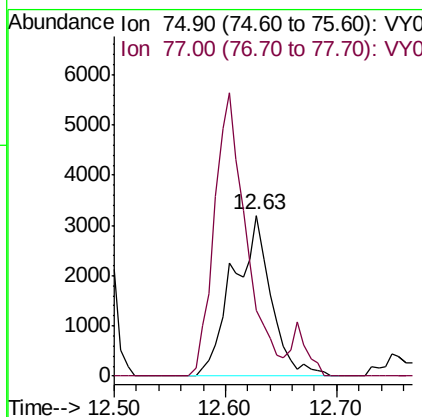
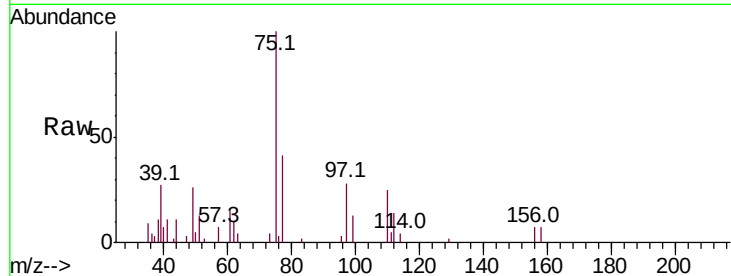




#76
 1,2,3-Trichloropropane
 Concen: 6.208 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

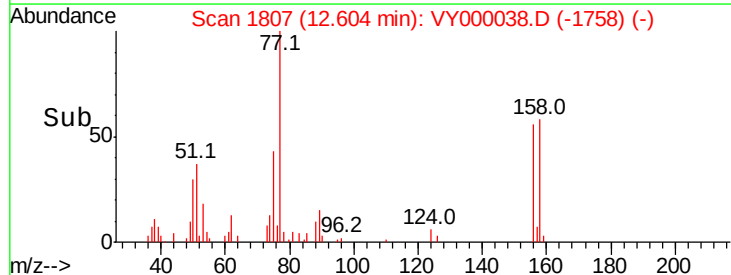
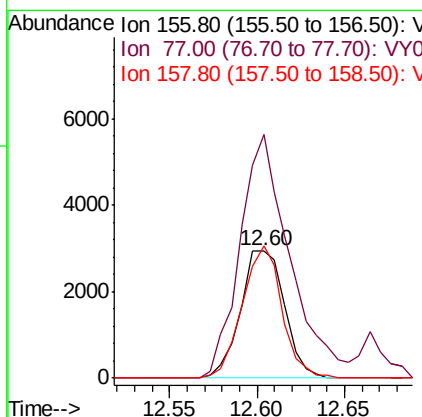
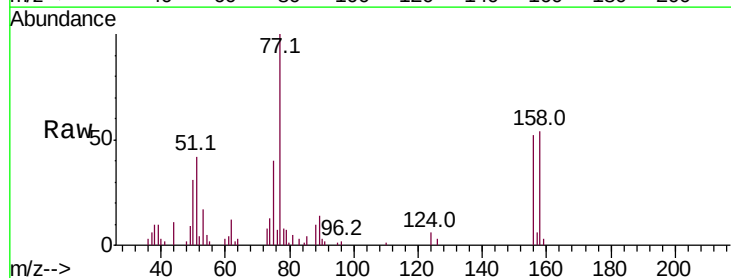
Instrument :
 MSVOA_Y
 ClientSampled :

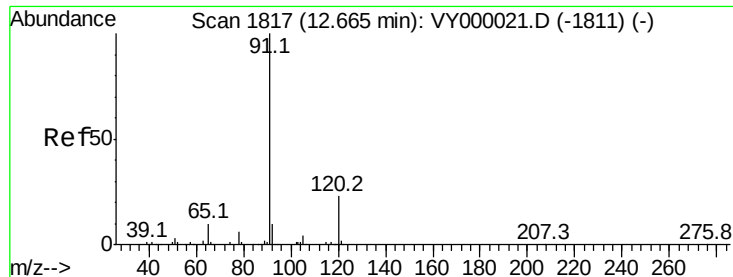
Tot Ion: 75 Resp: 7606
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 3.623 ug/l
 RT: 12.60 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 156 Resp: 5166
 Ion Ratio Lower Upper
 156 100
 77 217.2 106.0 317.9
 158 93.1 47.3 141.9





#78

n-propylbenzene

Concen: 3.625 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

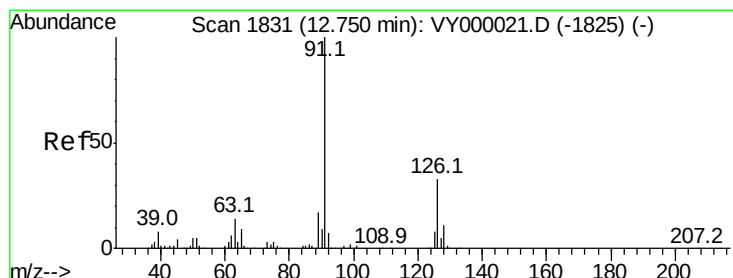
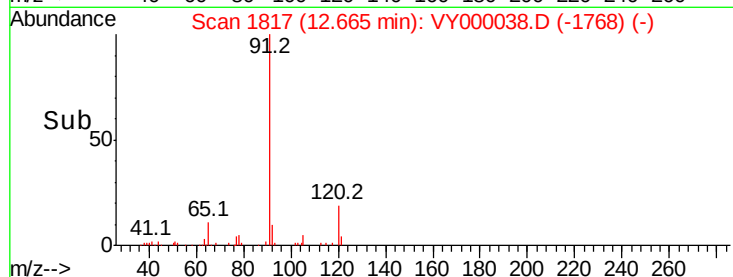
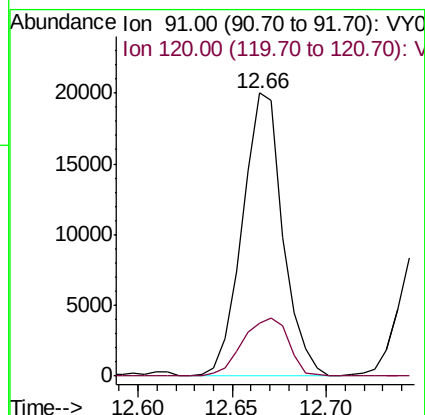
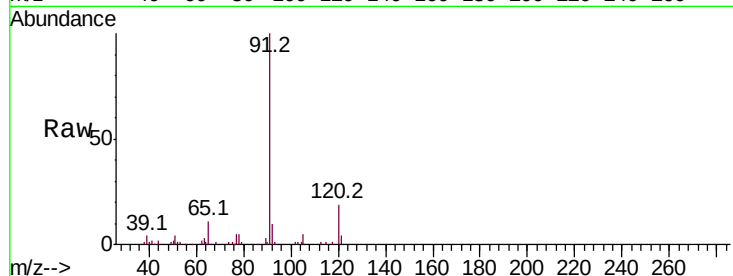
ClientSampleId :

Tot Ion: 91 Resp: 29859

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.7



#79

2-Chlorotoluene

Concen: 3.628 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000038.D

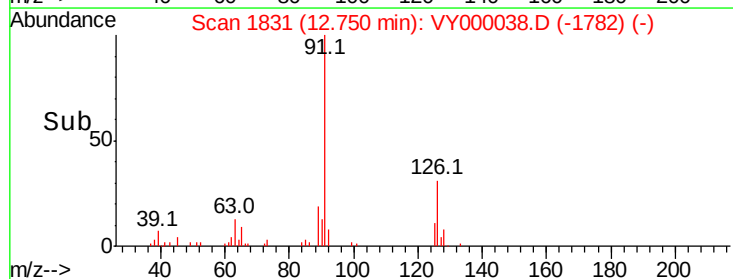
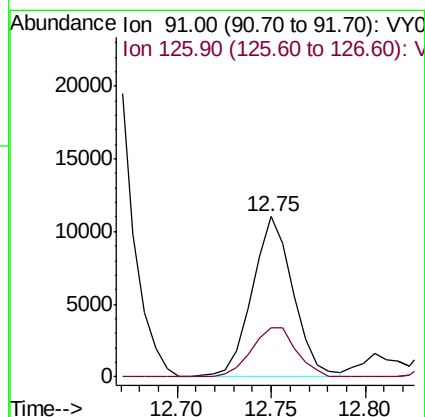
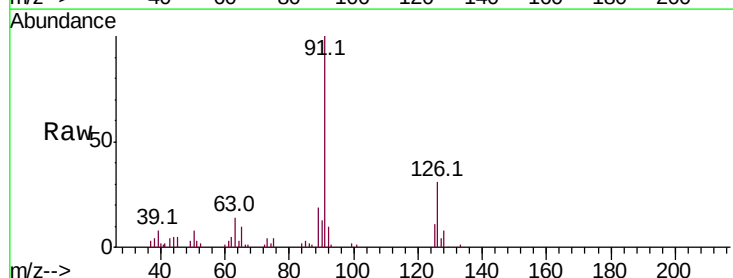
Acq: 13 Sep 2019 11:39

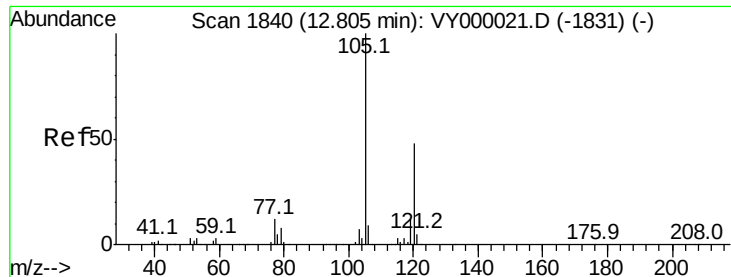
Tgt Ion: 91 Resp: 16710

Ion Ratio Lower Upper

91 100

126 33.2 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 3.533 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

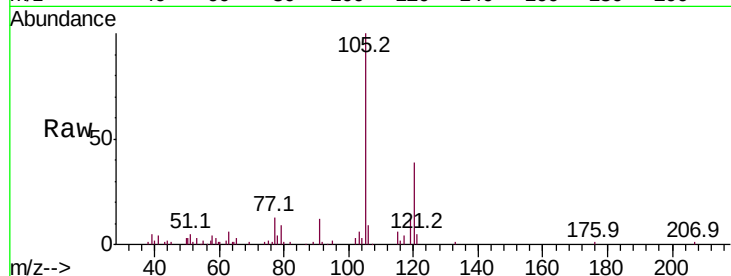
ClientSampleId :

Tot Ion:105 Resp: 19881

Ion Ratio Lower Upper

105 100

120 49.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.80

15000

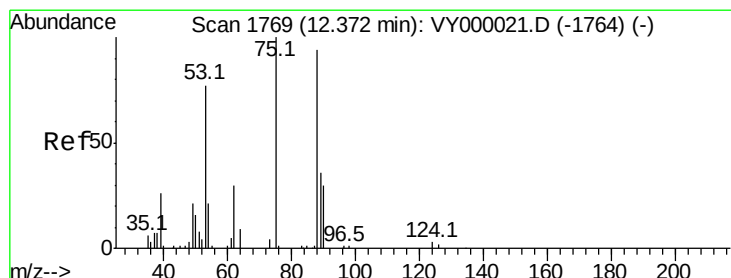
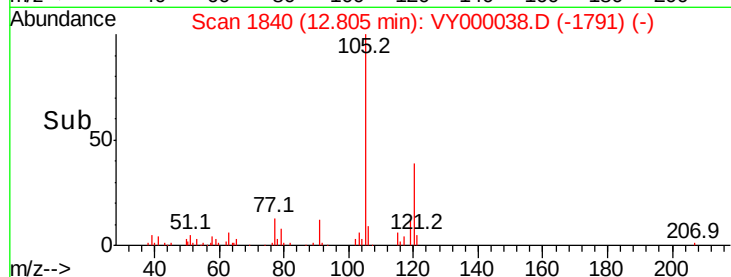
10000

5000

0

Time-->

12.75 12.80 12.85



#81

trans-1,4-Dichloro-2-butene

Concen: 3.395 ug/l

RT: 12.38 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

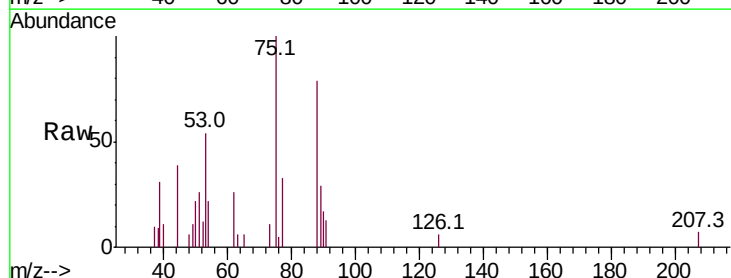
Tgt Ion: 75 Resp: 2097

Ion Ratio Lower Upper

75 100

53 67.0 64.2 96.2

89 32.3 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

12.38

1500

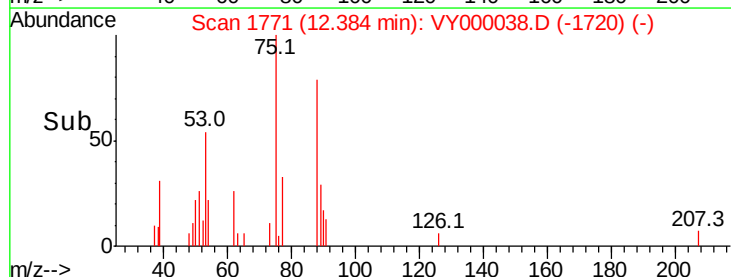
1000

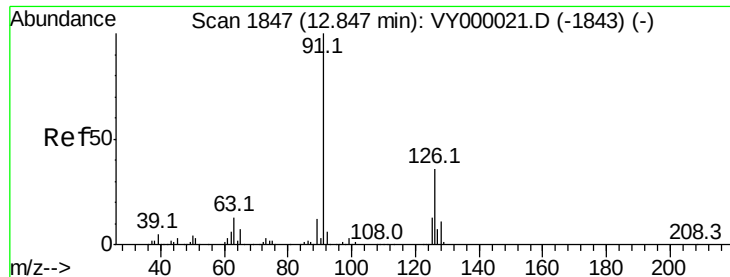
500

0

Time-->

12.35 12.40





#82

4-Chlorotoluene

Concen: 3.581 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

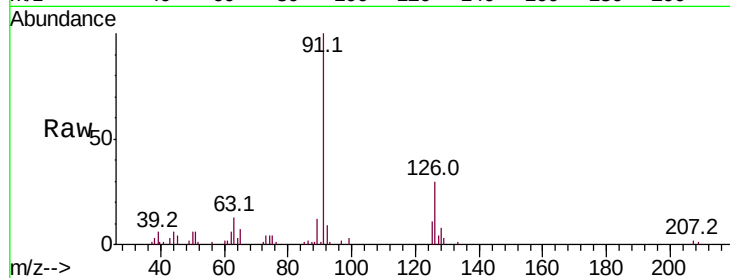
ClientSampled :

Tot Ion: 91 Resp: 17310

Ion Ratio Lower Upper

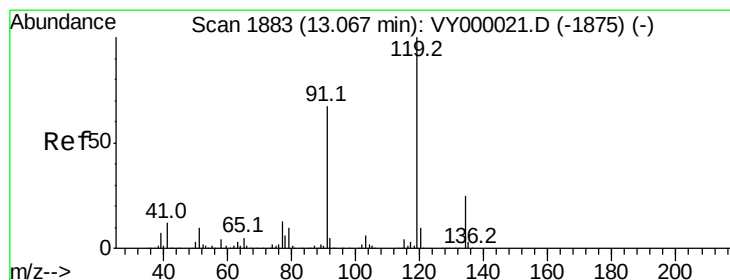
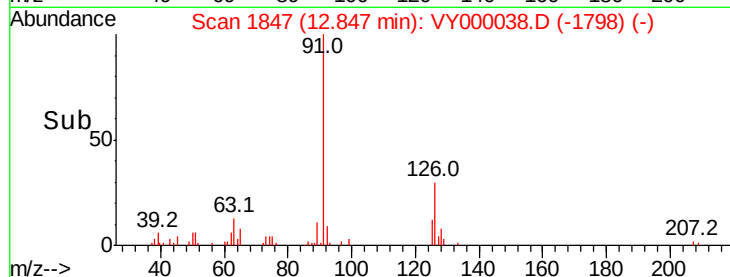
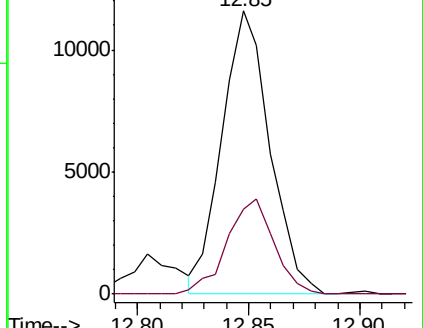
91 100

126 33.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1843) (-)

Ion 125.90 (125.60 to 126.60): VY000021.D (-1843) (-)



#83

tert-Butylbenzene

Concen: 3.569 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

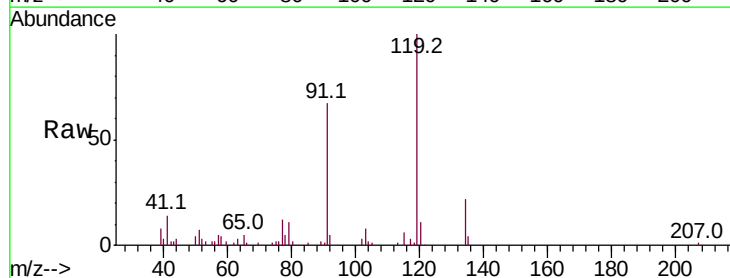
Tgt Ion: 119 Resp: 17259

Ion Ratio Lower Upper

119 100

91 69.4 33.1 99.5

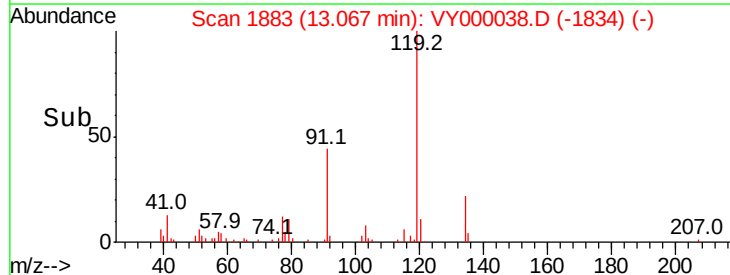
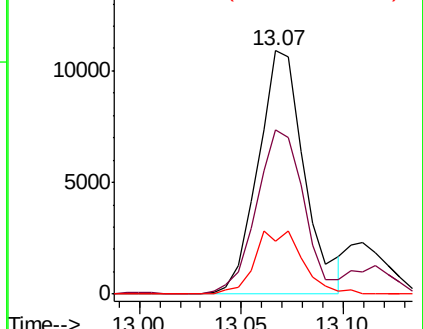
134 26.7 13.5 40.5

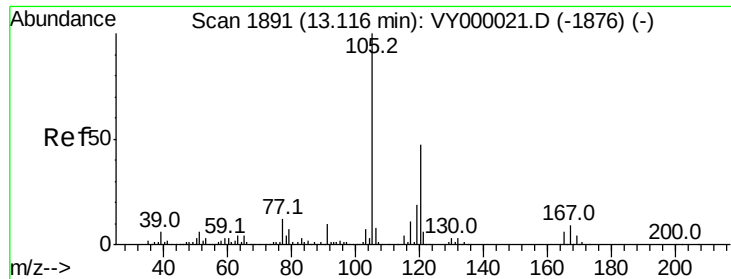


Abundance Ion 119.00 (118.70 to 119.70): VY000021.D (-1875) (-)

Ion 91.00 (90.70 to 91.70): VY000021.D (-1875) (-)

Ion 134.00 (133.70 to 134.70): VY000021.D (-1875) (-)





#84

1,2,4-Trimethylbenzene

Concen: 3.617 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

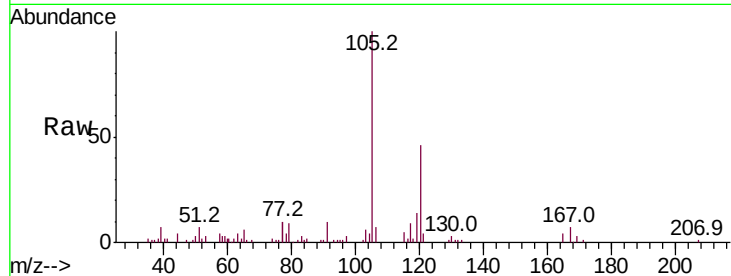
ClientSampled :

Tot Ion:105 Resp: 20109

Ion Ratio Lower Upper

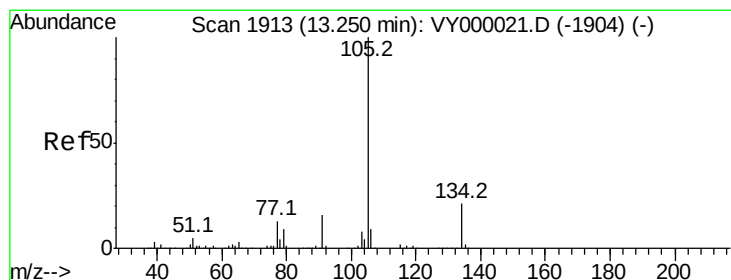
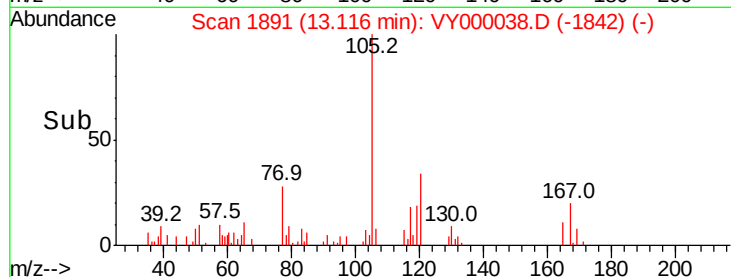
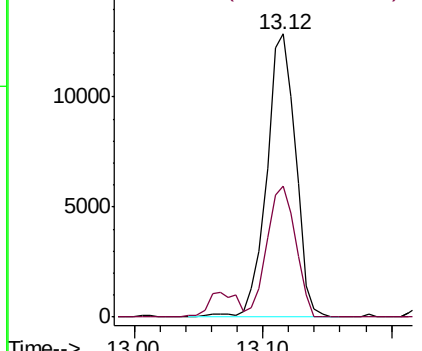
105 100

120 46.0 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: 3.762 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000038.D

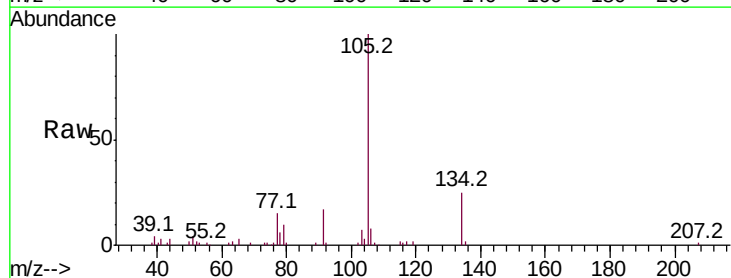
Acq: 13 Sep 2019 11:39

Tgt Ion:105 Resp: 26844

Ion Ratio Lower Upper

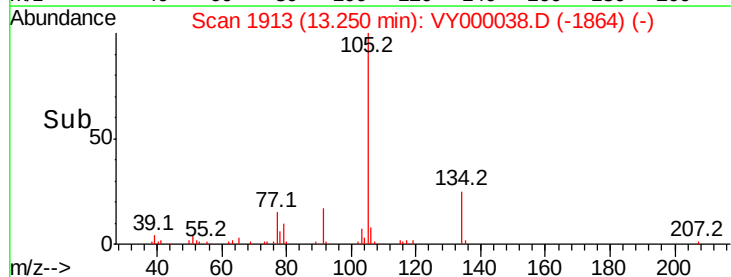
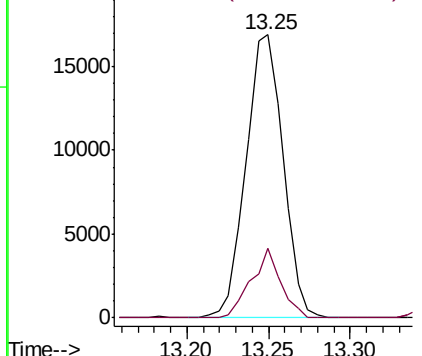
105 100

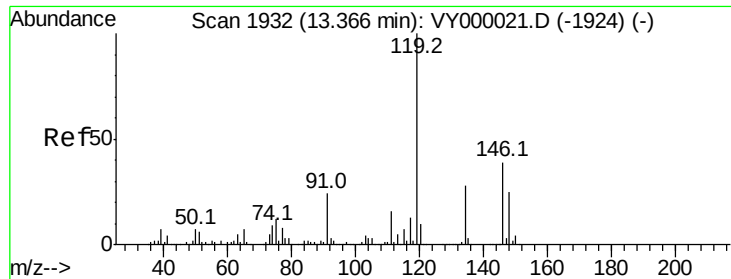
134 19.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

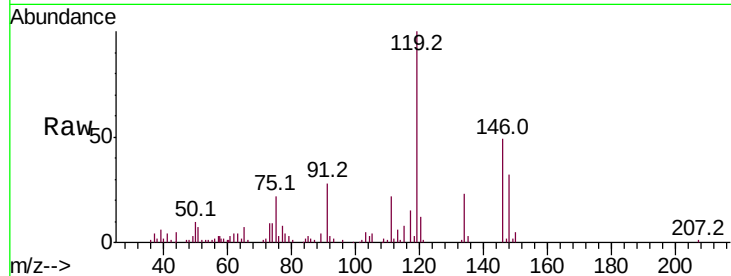




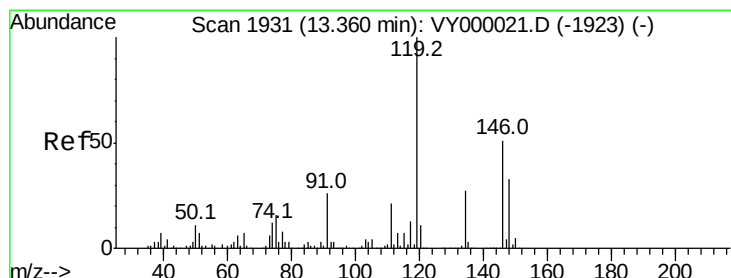
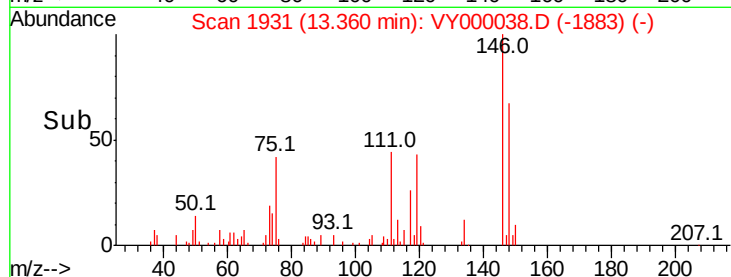
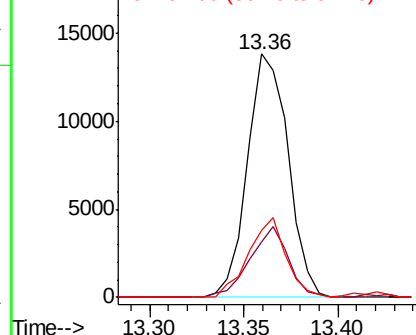
#86
 p-Isopropyltoluene
 Concen: 3.422 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.8	41.3
91	30.1	12.4	37.2

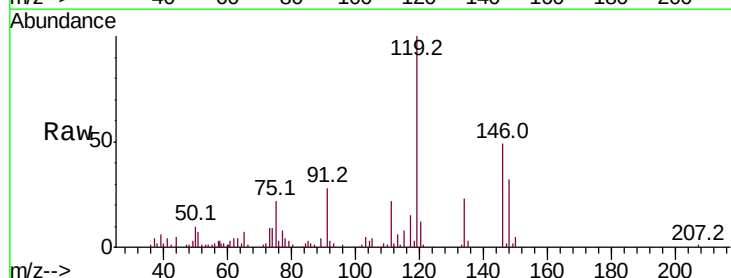


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

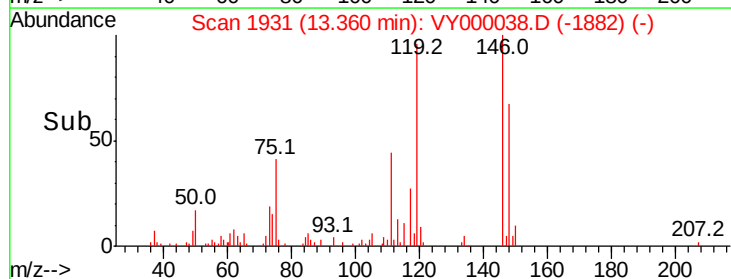
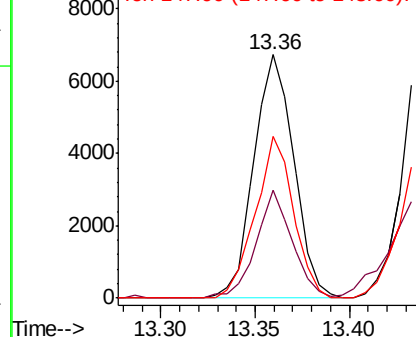


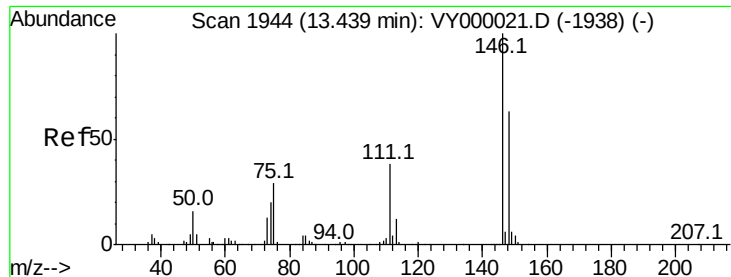
#87
 1,3-Dichlorobenzene
 Concen: 3.463 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.2	63.6
148	63.0	32.1	96.5



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

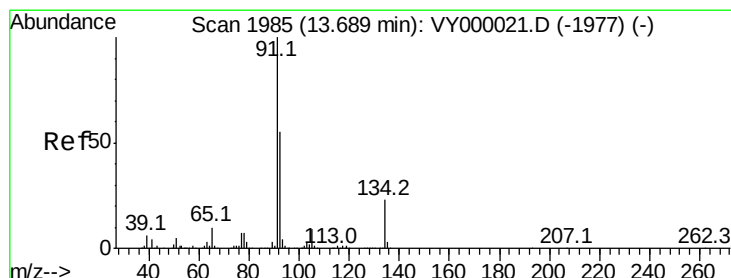
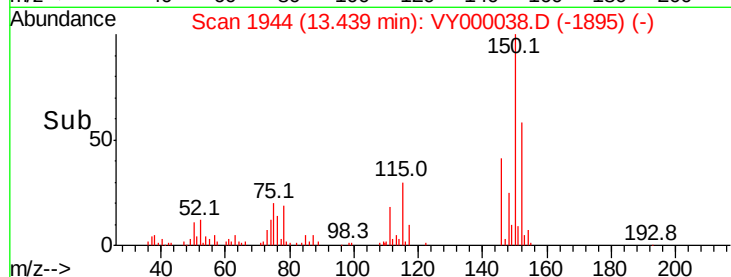
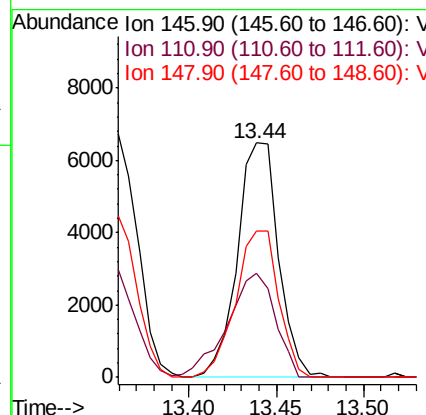
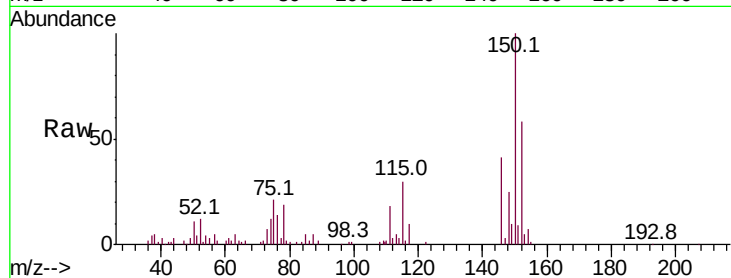




#88
 1,4-Dichlorobenzene
 Concen: 3.685 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

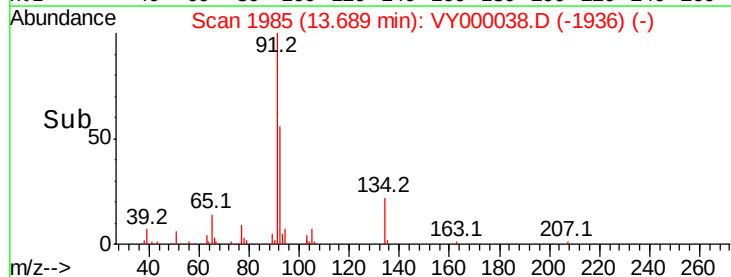
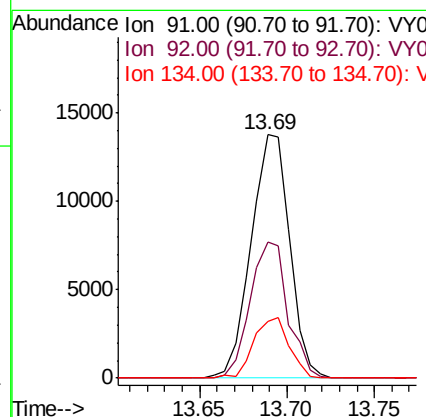
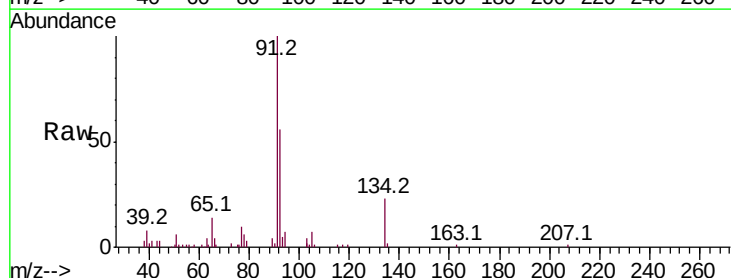
Instrument :
 MSVOA_Y
 ClientSampled :

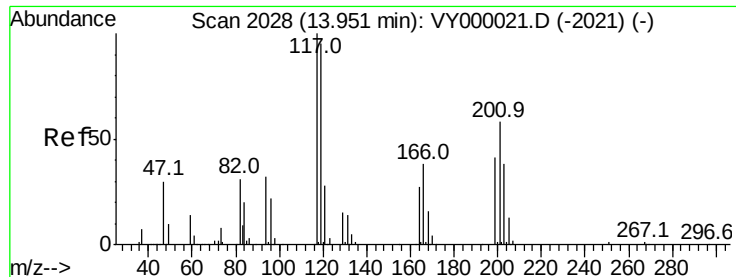
Tot Ion:146 Resp: 10641
 Ion Ratio Lower Upper
 146 100
 111 51.6 20.3 60.9
 148 65.1 31.7 95.1



#89
 n-Butylbenzene
 Concen: 3.449 ug/l
 RT: 13.69 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 91 Resp: 21161
 Ion Ratio Lower Upper
 91 100
 92 54.4 27.2 81.6
 134 22.8 12.6 37.6





#90

Hexachloroethane

Concen: 3.356 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

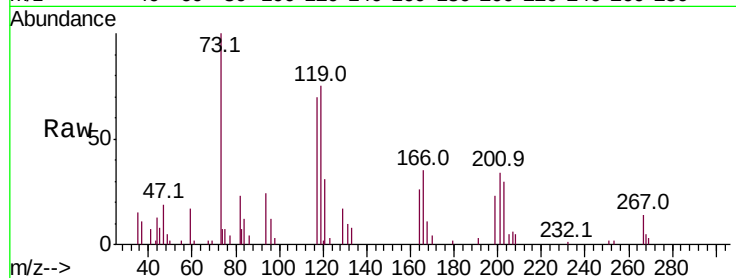
ClientSampleId :

Tot Ion:117 Resp: 4060

Ion Ratio Lower Upper

117 100

201 48.4 31.4 94.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

2500

2000

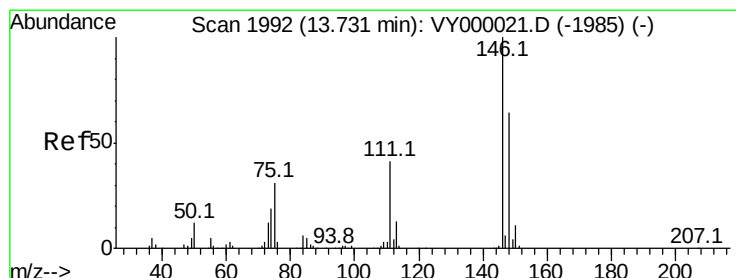
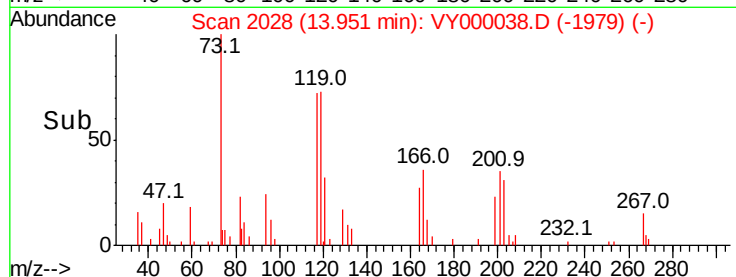
1500

1000

500

0

Time--> 13.90 13.95 14.00



#91

1,2-Dichlorobenzene

Concen: 3.548 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

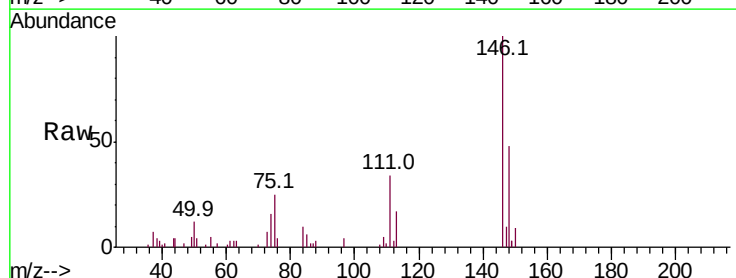
Tgt Ion:146 Resp: 9475

Ion Ratio Lower Upper

146 100

111 43.2 21.0 63.0

148 61.0 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

8000

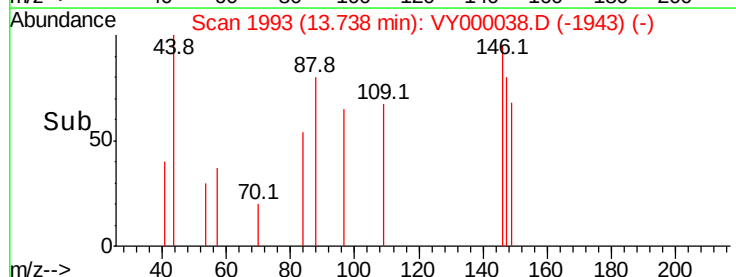
6000

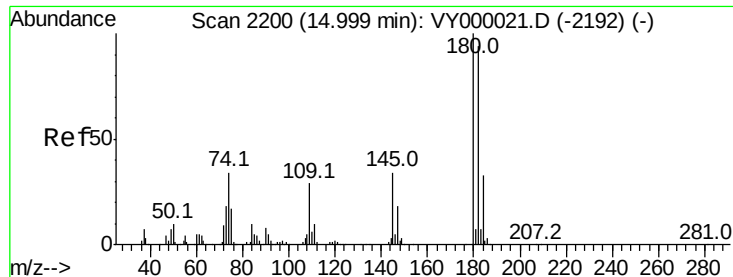
4000

2000

0

Time--> 13.70 13.75 13.80

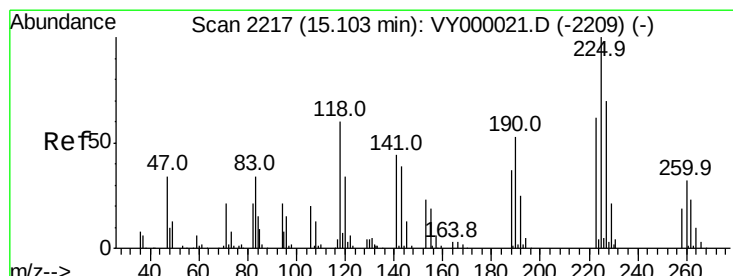
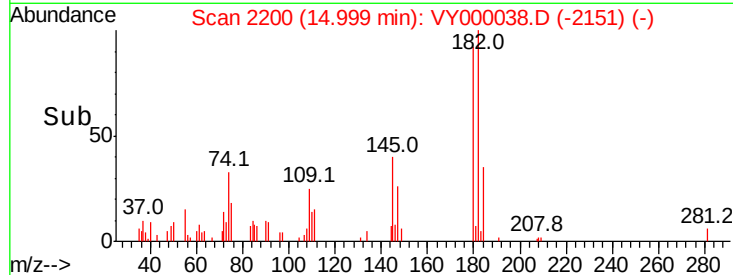
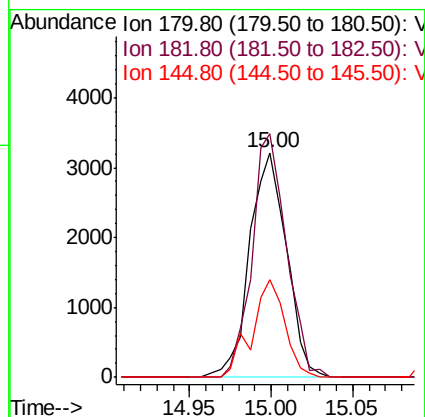
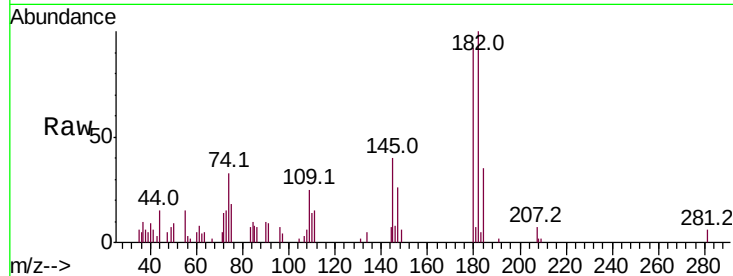




#93
 1,2,4-Trichlorobenzene
 Concen: 2.979 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

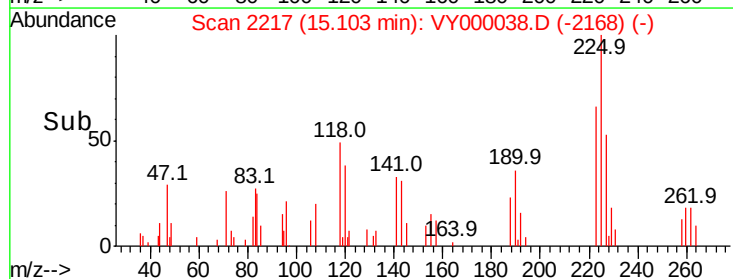
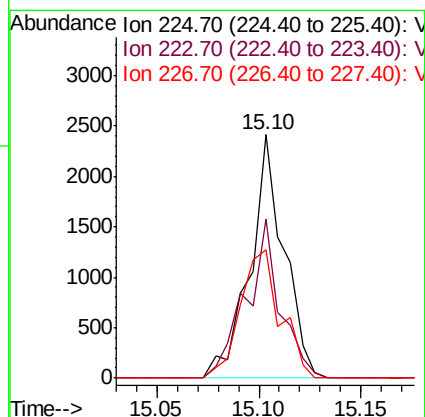
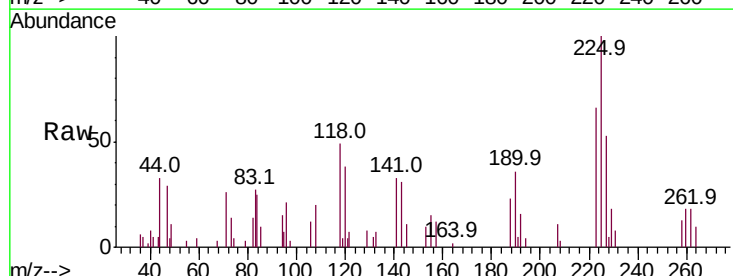
Instrument :
 MSVOA_Y
 ClientSampleId :

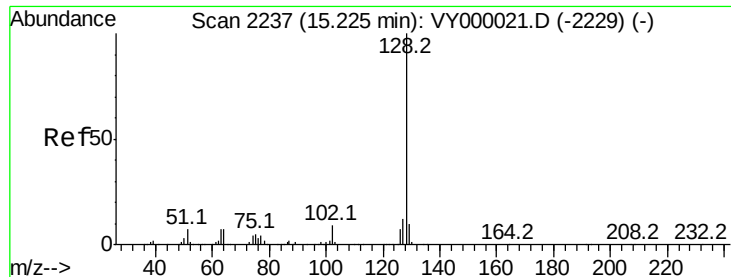
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.9	47.0	141.0
145	38.9	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 3.576 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	30.9	92.7
227	61.8	31.0	93.0





#95

Naphthalene

Concen: 3.398 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

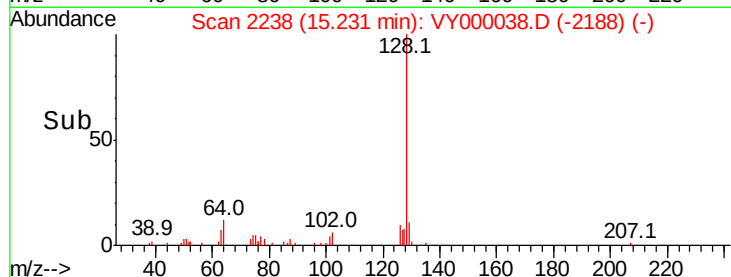
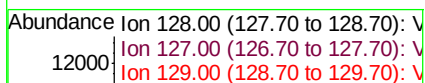
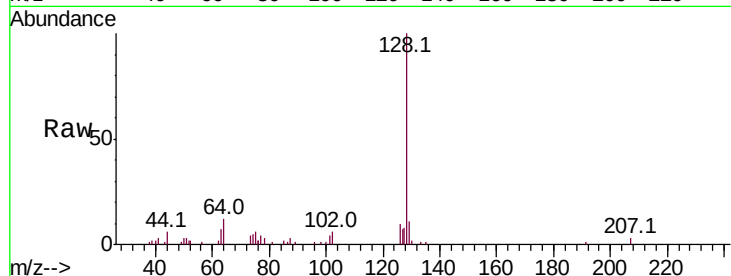
Tot Ion:128 Resp: 15839

Ion Ratio Lower Upper

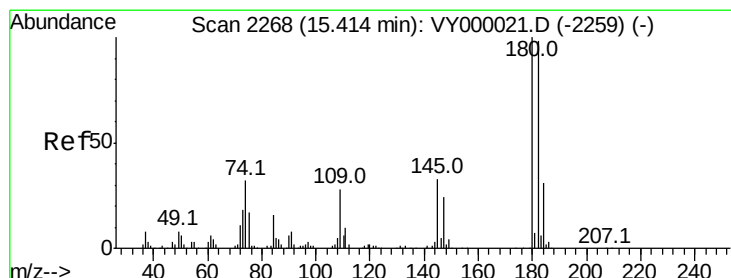
128 100

127 12.7 9.8 14.8

129 11.5 8.7 13.1



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.581 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Tgt Ion:180 Resp: 5477

Ion Ratio Lower Upper

180 100

182 103.9 46.8 140.4

145 31.4 17.3 51.7

