

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000029.D
 Acq On : 12 Sep 2019 16:39
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 17:02:20 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	131661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	252858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	90978	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	71359	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.71	113	70122	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	10.18	98	304086	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	103151	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4087	4.209	ug/l	83
3) Chloromethane	2.11	50	6747	Below Cal		89
4) Vinyl Chloride	2.24	62	5090	3.457	ug/l	95
5) Bromomethane	2.64	94	4778	4.173	ug/l	92
6) Chloroethane	2.79	64	3934	4.014	ug/l #	88
7) Trichlorofluoromethane	3.11	101	7849	4.103	ug/l	92
8) Diethyl Ether	3.52	74	2480	3.154	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.88	101	2260	1.736	ug/l #	13
10) Methyl Iodide	4.08	142	3148	2.211	ug/l #	90
11) Tert butyl alcohol	4.96	59	3701	20.526	ug/l #	82
12) 1,1-Dichloroethene	3.86	96	4263	3.513	ug/l	90
13) Acrolein	3.73	56	2545	Below Cal		86
14) Allyl chloride	4.47	41	6297	3.343	ug/l	98
15) Acrylonitrile	5.15	53	8595	17.230	ug/l	97
16) Acetone	3.95	43	7238	18.405	ug/l #	79
17) Carbon Disulfide	4.18	76	10646	2.639	ug/l	99
18) Methyl Acetate	4.47	43	4691	4.239	ug/l #	80
19) Methyl tert-butyl Ether	5.21	73	12187	3.316	ug/l	94
20) Methylene Chloride	4.70	84	8573	2.564	ug/l	89
21) trans-1,2-Dichloroethene	5.20	96	5031	3.745	ug/l	87
22) Diisopropyl ether	6.12	45	13836	3.327	ug/l #	92
23) Vinyl Acetate	6.05	43	45808	15.922	ug/l	95
24) 1,1-Dichloroethane	6.01	63	8927	3.622	ug/l	96
25) 2-Butanone	6.99	43	11893	18.606	ug/l	92
26) 2,2-Dichloropropane	6.99	77	10197	4.454	ug/l #	51
27) cis-1,2-Dichloroethene	6.99	96	5872	3.464	ug/l	82
28) Bromochloromethane	7.32	49	3785	3.344	ug/l #	93
29) Tetrahydrofuran	7.36	42	6290	16.543	ug/l	98
30) Chloroform	7.50	83	9650	3.797	ug/l #	81
31) Cyclohexane	7.78	56	10452	2.287	ug/l #	53
32) 1,1,1-Trichloroethane	7.70	97	6730	3.228	ug/l	93
36) 1,1-Dichloropropene	7.91	75	7025	3.784	ug/l	100
37) Ethyl Acetate	7.08	43	5227	4.175	ug/l #	93
38) Carbon Tetrachloride	7.89	117	5690	3.247	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9015	3.930	ug/l	95
40) Benzene	8.15	78	20834	3.447	ug/l	96
41) Methacrylonitrile	7.31	41	2147	2.948	ug/l #	85
42) 1,2-Dichloroethane	8.23	62	5520	3.574	ug/l	91
43) Isopropyl Acetate	8.27	43	8099	3.338	ug/l	94
44) Trichloroethene	8.93	130	5155	3.416	ug/l	96
45) 1,2-Dichloropropane	9.21	63	5266	3.379	ug/l	98
46) Dibromomethane	9.30	93	2672	3.089	ug/l	94
47) Bromodichloromethane	9.49	83	6835	3.310	ug/l #	85
48) Methyl methacrylate	9.29	41	3605	3.368	ug/l	95
49) 1,4-Dioxane	9.29	88	944	52.113	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	20643	15.186	ug/l	98
52) Toluene	10.24	92	12692	3.342	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	7016	3.232	ug/l	94
54) cis-1,3-Dichloropropene	9.92	75	8135	3.220	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4384	3.198	ug/l	90
56) Ethyl methacrylate	10.51	69	6167	3.206	ug/l	91
57) 1,3-Dichloropropane	10.78	76	7091	3.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	18668	17.716	ug/l	100
59) 2-Hexanone	10.83	43	14521	14.823	ug/l	98
60) Dibromochloromethane	10.98	129	4331	2.999	ug/l	95
61) 1,2-Dibromoethane	11.09	107	4216	3.482	ug/l	87
64) Tetrachloroethene	10.72	164	5244	4.014	ug/l	85
65) Chlorobenzene	11.51	112	13829	3.407	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4491	3.193	ug/l	94
67) Ethyl Benzene	11.59	91	25750	3.492	ug/l	92
68) m/p-Xylenes	11.70	106	19235	6.912	ug/l	96
69) o-Xylene	12.02	106	10069	3.692	ug/l	84
70) Styrene	12.04	104	15227	3.209	ug/l	98
71) Bromoform	12.20	173	2465	2.903	ug/l #	92
73) Isopropylbenzene	12.32	105	22723	3.269	ug/l	95
74) N-amyl acetate	12.13	43	5786	2.820	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	4904	2.951	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	7625	6.034	ug/l #	100
77) Bromobenzene	12.60	156	5255	3.574	ug/l	96
78) n-propylbenzene	12.66	91	28313	3.333	ug/l	100
79) 2-Chlorotoluene	12.75	91	16199	3.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	19294	3.324	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	2048	3.215	ug/l	95
82) 4-Chlorotoluene	12.85	91	17131	3.436	ug/l	97
83) tert-Butylbenzene	13.07	119	16819	3.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	19149	3.340	ug/l	99
85) sec-Butylbenzene	13.25	105	24650	3.349	ug/l	98
86) p-Isopropyltoluene	13.37	119	20564	3.294	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	10552	3.566	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	10485	3.521	ug/l	90
89) n-Butylbenzene	13.69	91	20841	3.294	ug/l	99
90) Hexachloroethane	13.95	117	4225	3.386	ug/l	82
91) 1,2-Dichlorobenzene	13.73	146	8523	3.095	ug/l	91
93) 1,2,4-Trichlorobenzene	15.00	180	5495	3.127	ug/l	98

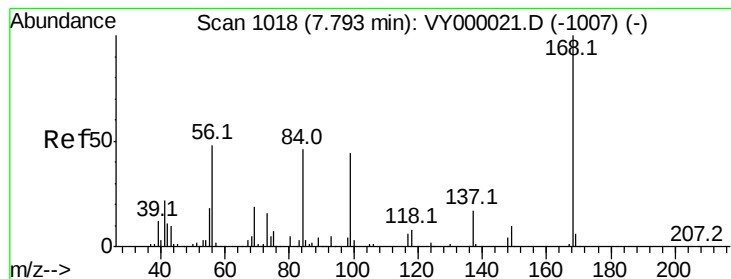
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QLast Update : Thu Sep 12 16:17:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.10	225	2814	3.491	ug/l	95
95) Naphthalene	15.22	128	14448	3.005	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	5425	3.439	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

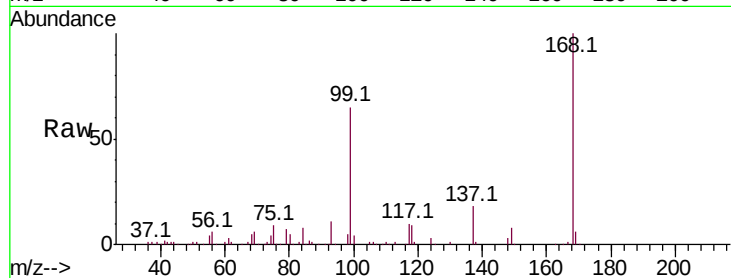
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 131661

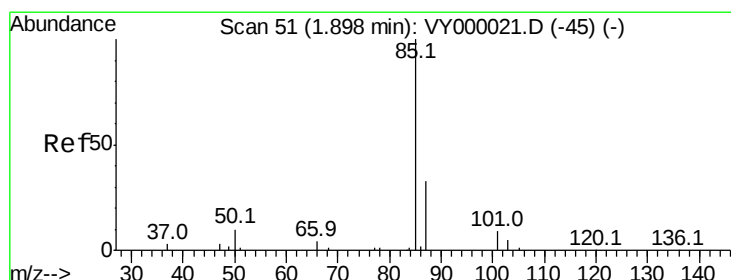
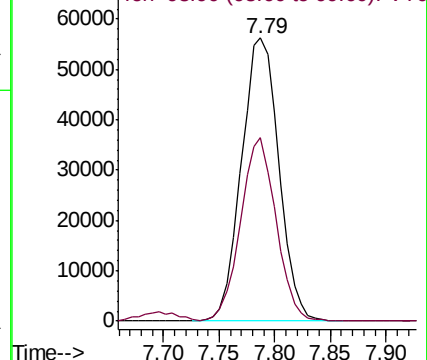
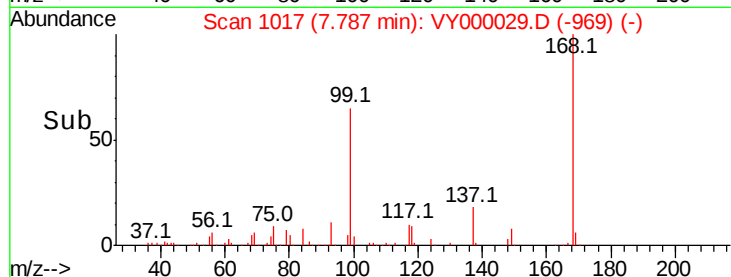
Ion Ratio Lower Upper

168 100

99 64.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000029.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 4.209 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000029.D

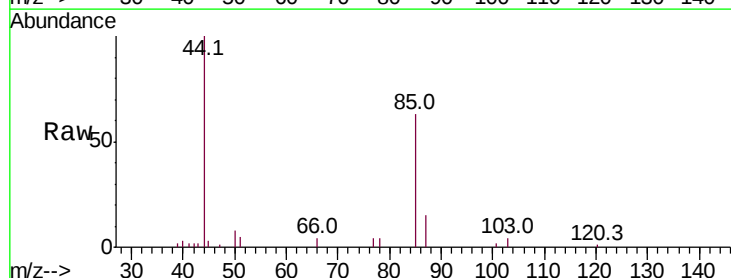
Acq: 12 Sep 2019 16:39

Tgt Ion: 85 Resp: 4087

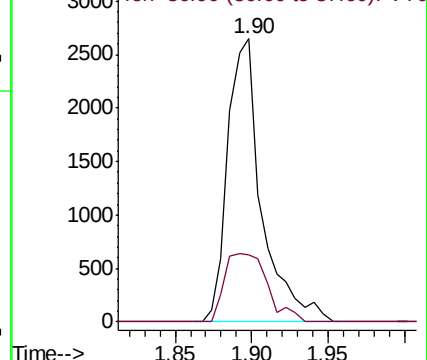
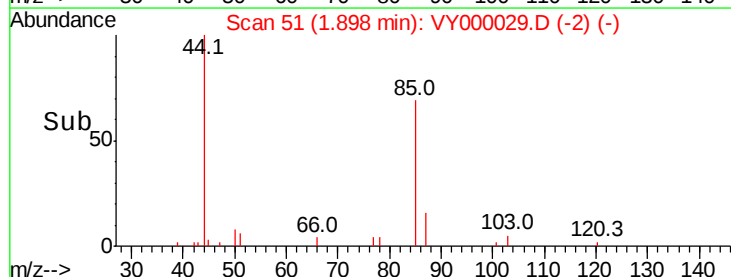
Ion Ratio Lower Upper

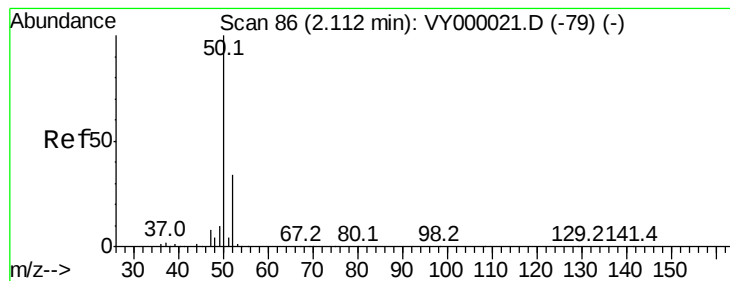
85 100

87 23.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000029.D (-2) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

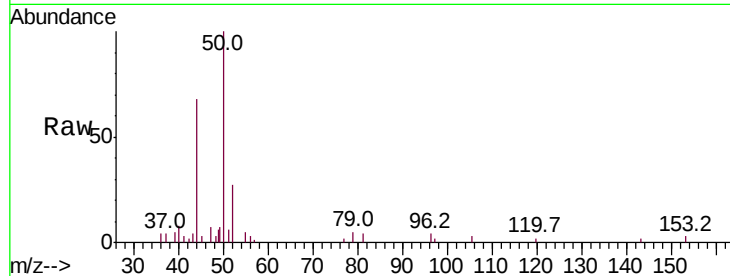
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 50 Resp: 6747

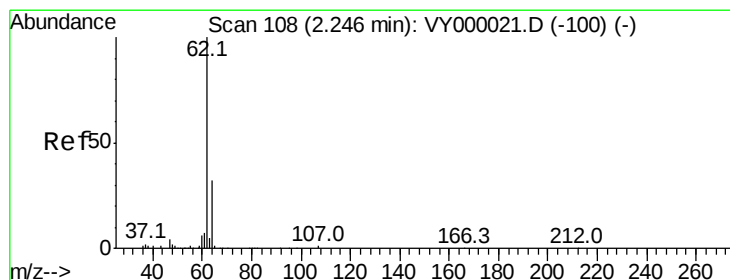
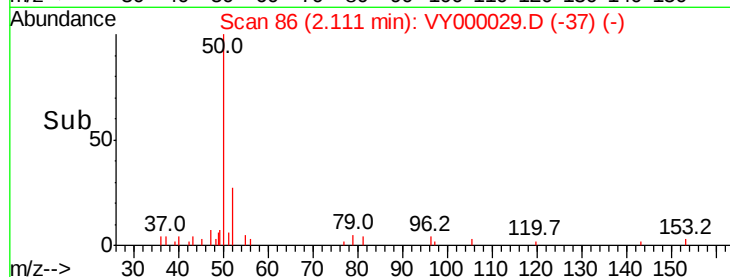
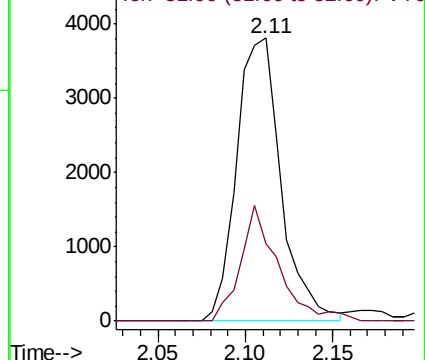
Ion Ratio Lower Upper

50 100

52 27.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VY0
Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 3.457 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000029.D

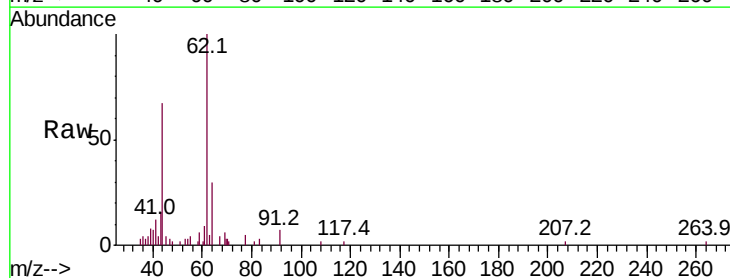
Acq: 12 Sep 2019 16:39

Tgt Ion: 62 Resp: 5090

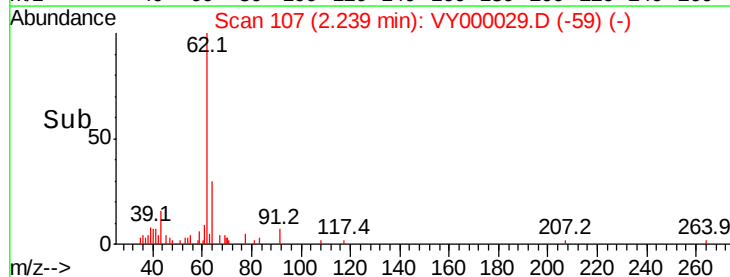
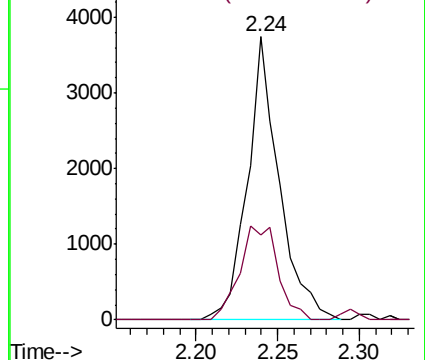
Ion Ratio Lower Upper

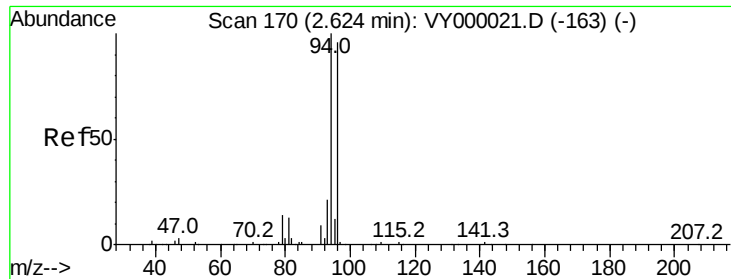
62 100

64 29.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 4.173 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

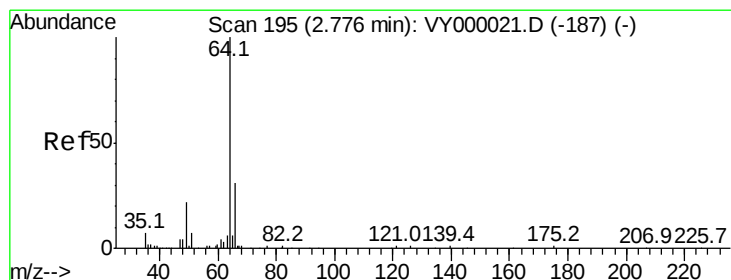
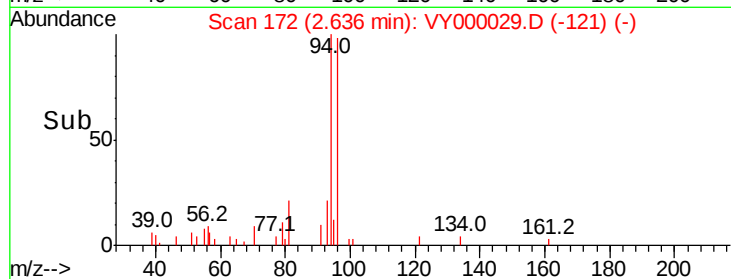
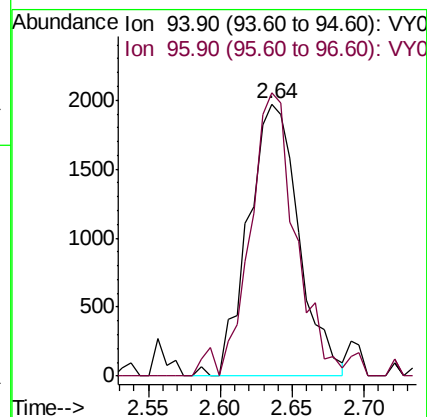
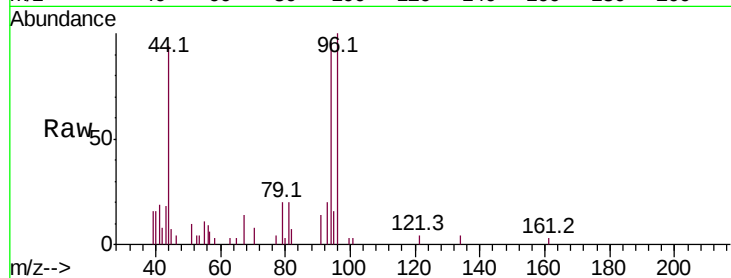
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 4778

Ion Ratio Lower Upper

94 100

96 104.0 76.8 115.2



#6

Chloroethane

Concen: 4.014 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VY000029.D

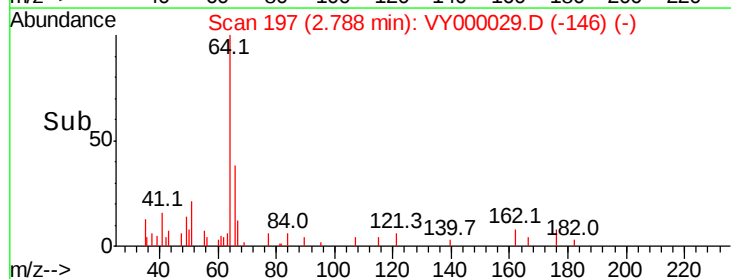
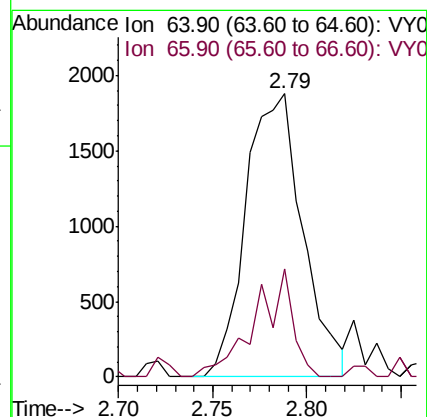
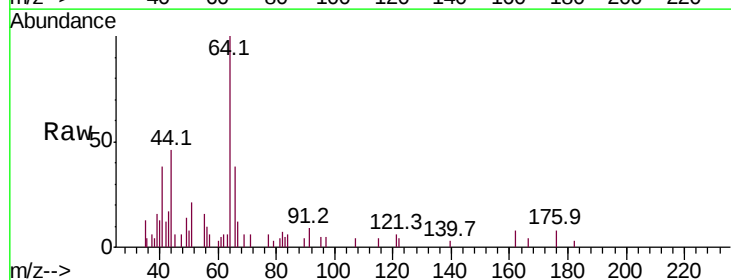
Acq: 12 Sep 2019 16:39

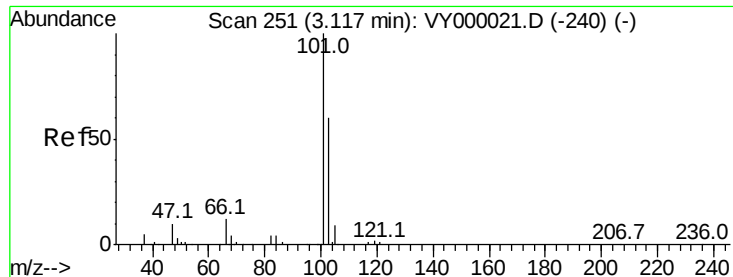
Tgt Ion: 64 Resp: 3934

Ion Ratio Lower Upper

64 100

66 38.1 25.0 37.6#



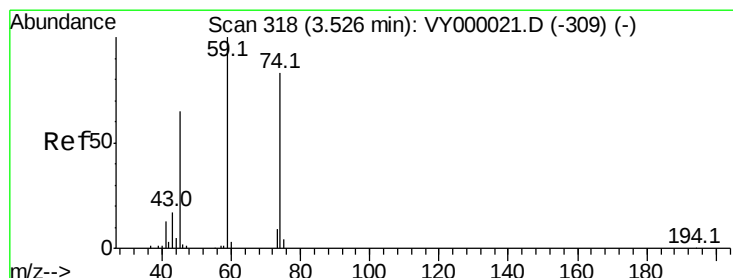
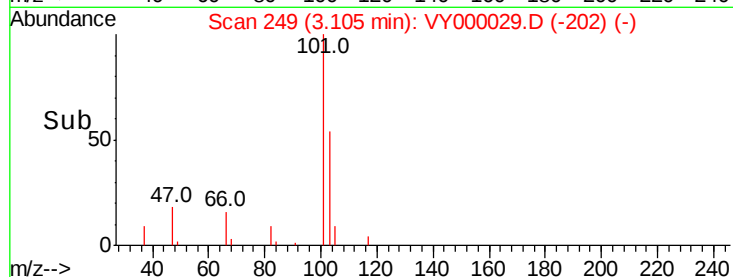
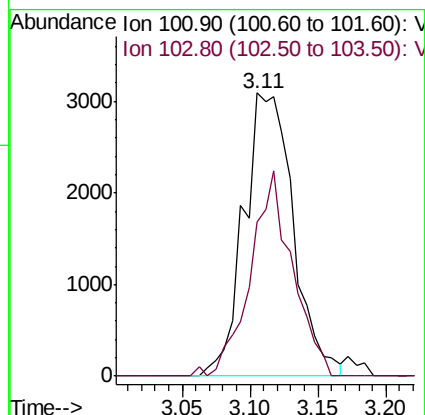
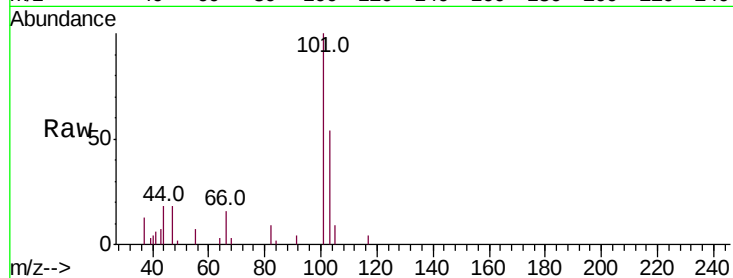


#7

Trichlorofluoromethane
 Concen: 4.103 ug/l
 RT: 3.11 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :

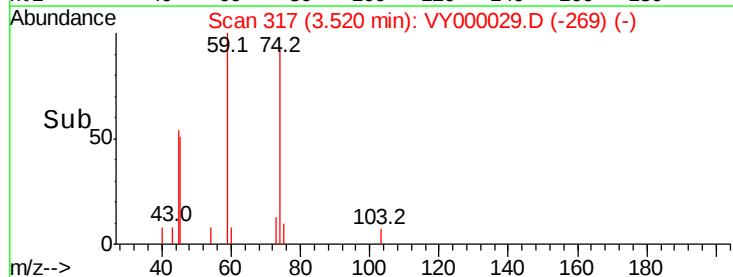
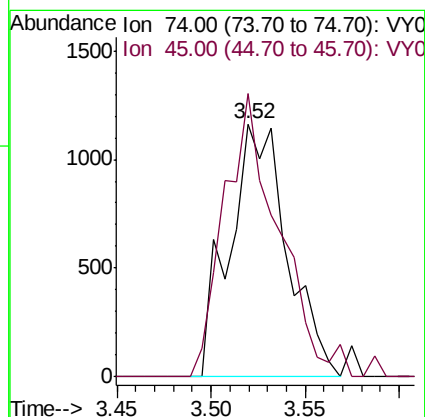
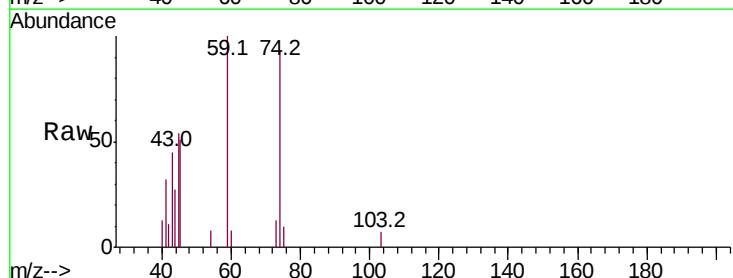
Tot Ion:101 Resp: 7849
 Ion Ratio Lower Upper
 101 100
 103 54.2 48.1 72.1

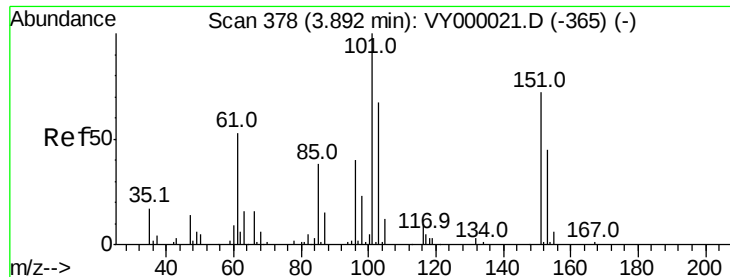


#8

Diethyl Ether
 Concen: 3.154 ug/l
 RT: 3.52 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion: 74 Resp: 2480
 Ion Ratio Lower Upper
 74 100
 45 105.0 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.736 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

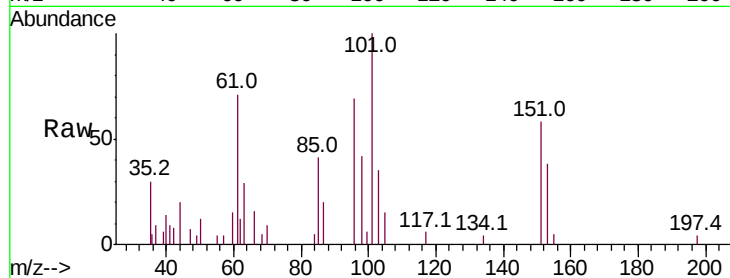
Tot Ion:101 Resp: 2260

Ion Ratio Lower Upper

101 100

85 96.6 35.3 52.9#

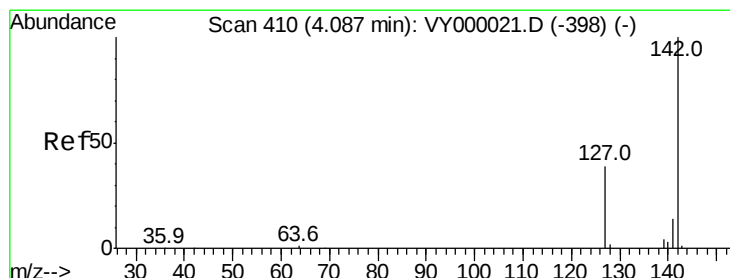
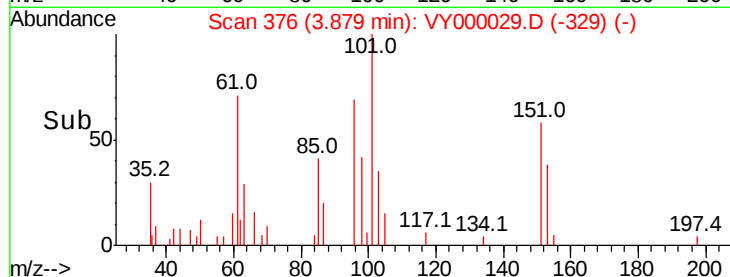
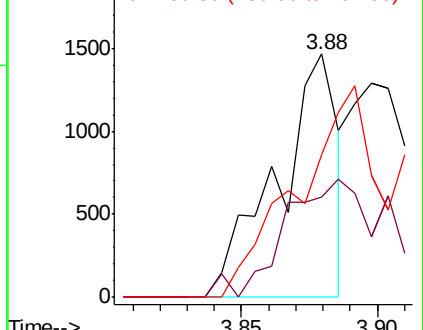
151 144.9 55.9 83.9#



Abundance Ion 100.90 (100.60 to 101.60): V

2000 Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.211 ug/l

RT: 4.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

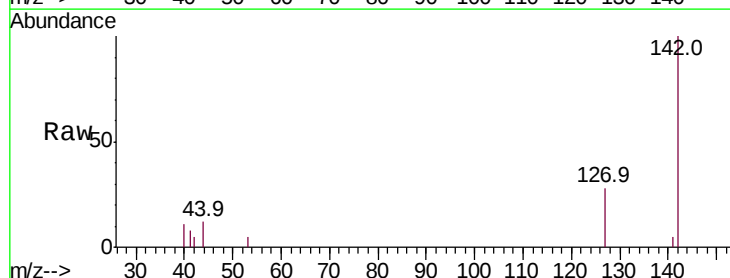
Tgt Ion:142 Resp: 3148

Ion Ratio Lower Upper

142 100

127 34.7 31.4 47.2

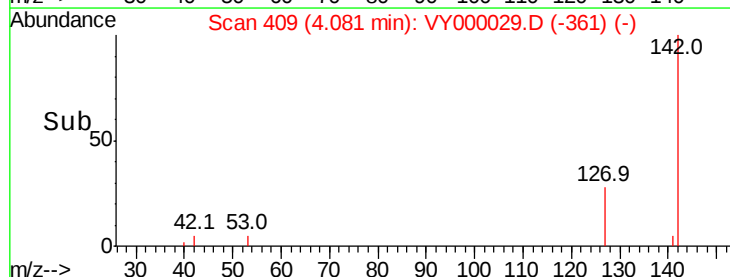
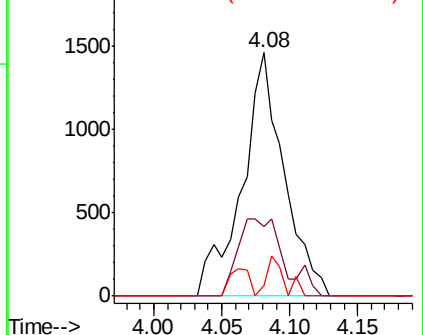
141 7.0 10.6 16.0#

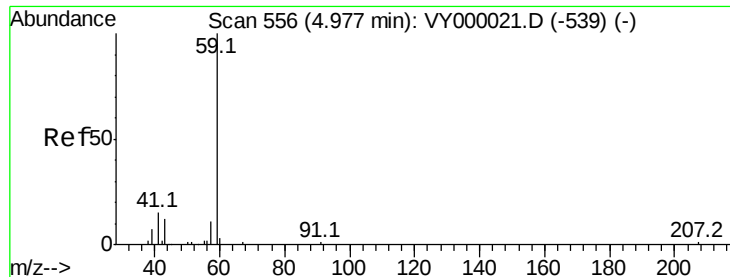


Abundance Ion 141.80 (141.50 to 142.50): V

2000 Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



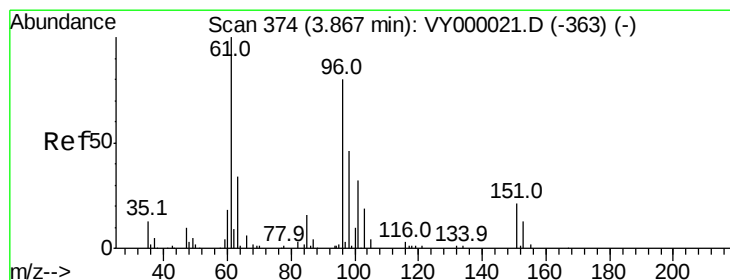
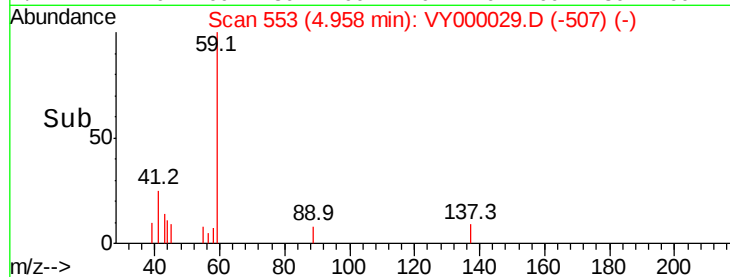
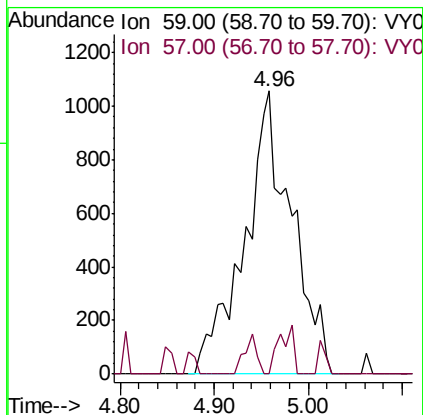
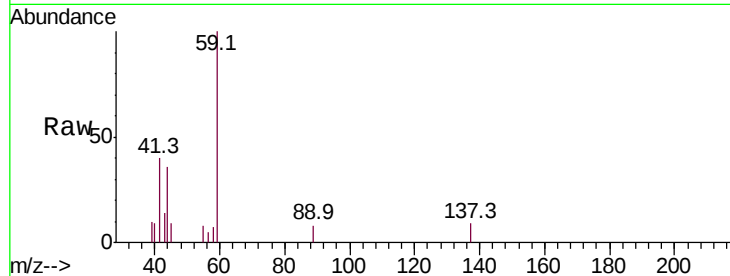


#11

Tert butyl alcohol
Concen: 20.526 ug/l
RT: 4.96 min Scan# 553
Delta R.T. -0.02 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :

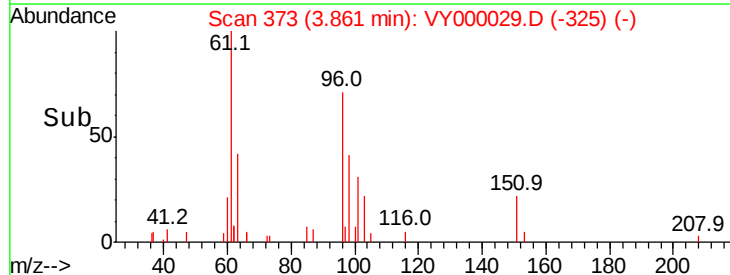
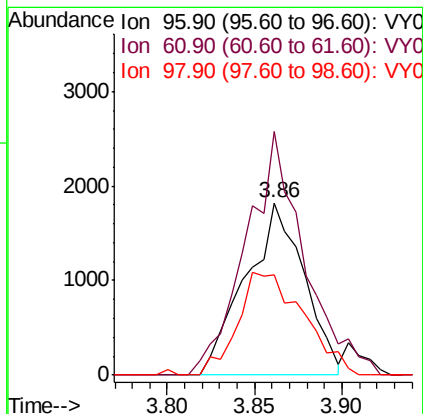
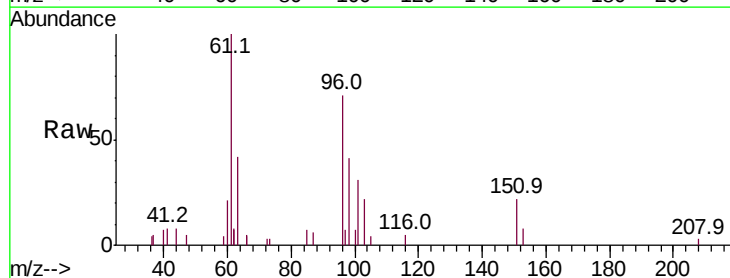
Tot Ion: 59 Resp: 3701
Ion Ratio Lower Upper
59 100
57 3.6 8.3 12.5#

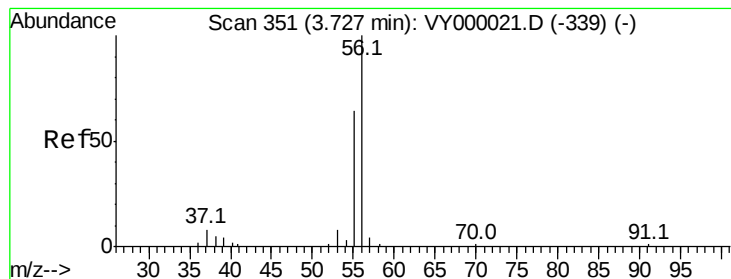


#12

1,1-Dichloroethene
Concen: 3.513 ug/l
RT: 3.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 96 Resp: 4263
Ion Ratio Lower Upper
96 100
61 141.2 99.8 149.6
98 57.9 46.3 69.5





#13

Acrolein

Concen: Below Cal

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

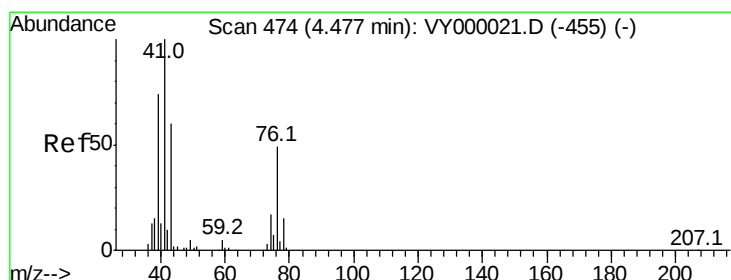
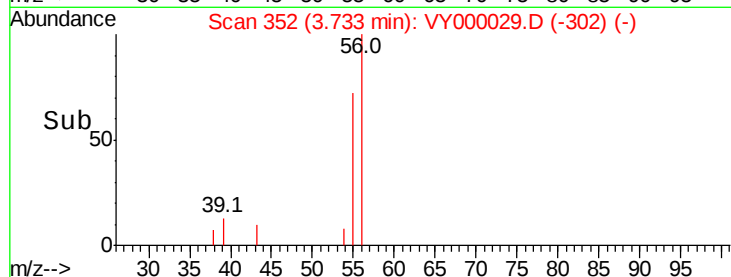
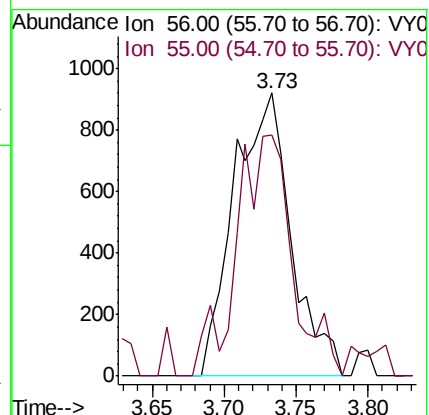
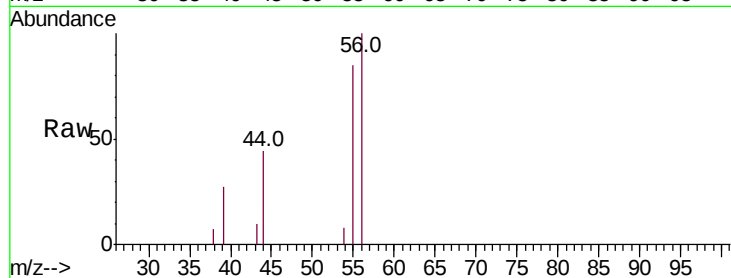
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2545

Ion Ratio Lower Upper

56 100

55 82.8 56.7 85.1



#14

Allyl chloride

Concen: 3.343 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

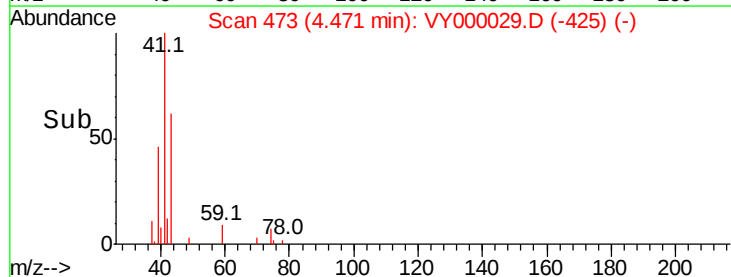
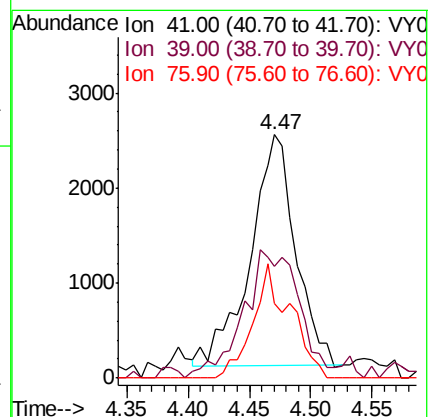
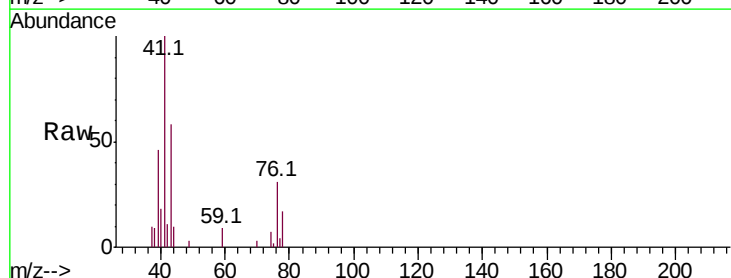
Tgt Ion: 41 Resp: 6297

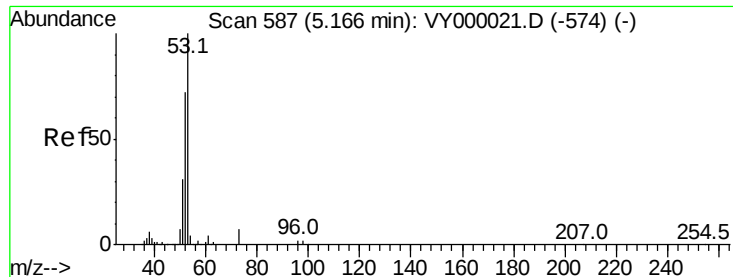
Ion Ratio Lower Upper

41 100

39 67.3 53.1 79.7

76 40.7 34.9 52.3





#15

Acrylonitrile

Concen: 17.230 ug/l

RT: 5.15 min Scan# 585

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :

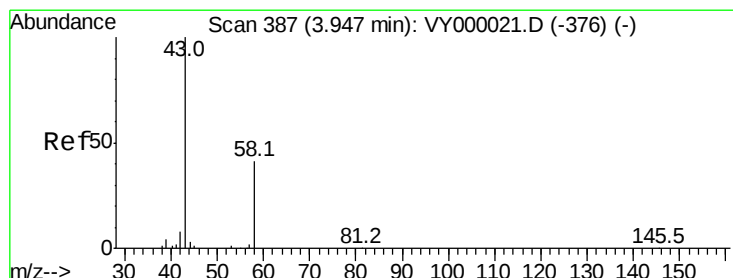
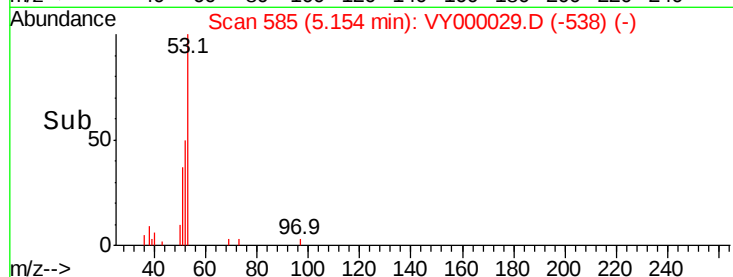
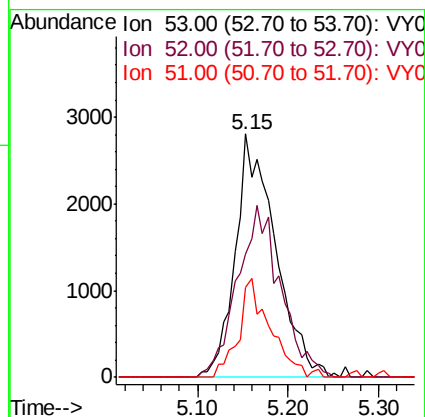
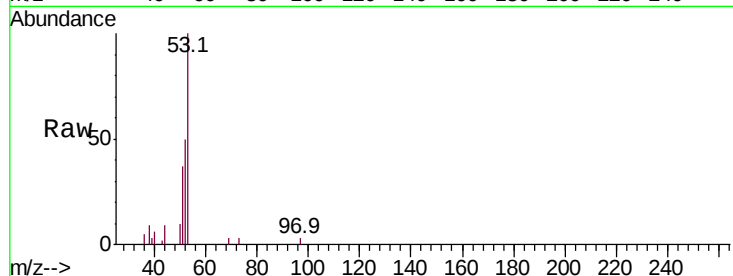
Tot Ion: 53 Resp: 8595

Ion Ratio Lower Upper

53 100

52 75.9 62.8 94.2

51 31.6 26.6 40.0



#16

Acetone

Concen: 18.405 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000029.D

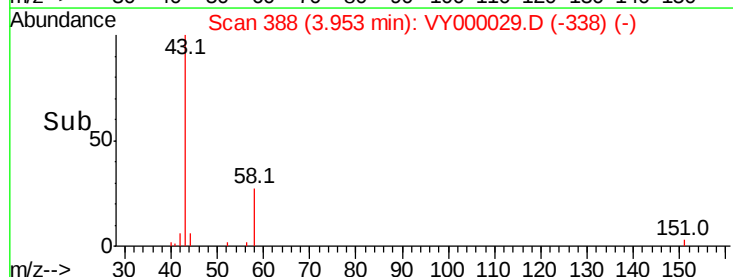
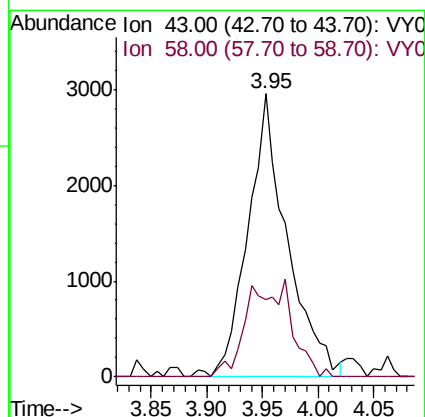
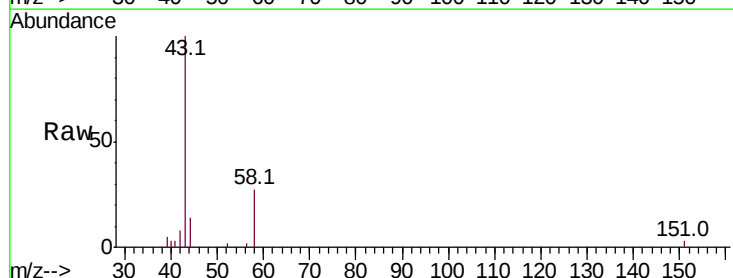
Acq: 12 Sep 2019 16:39

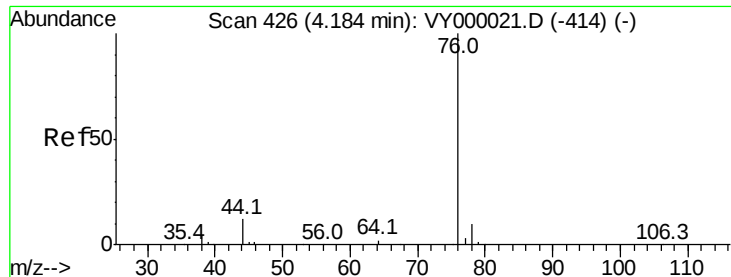
Tgt Ion: 43 Resp: 7238

Ion Ratio Lower Upper

43 100

58 27.4 32.5 48.7#

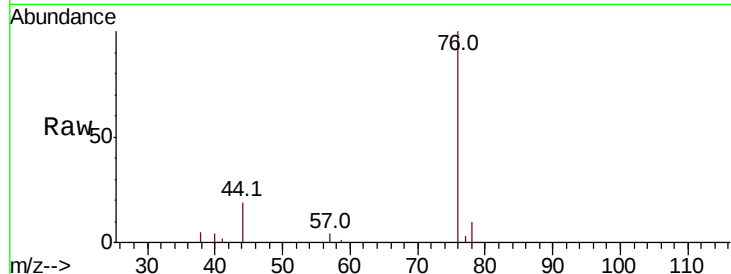




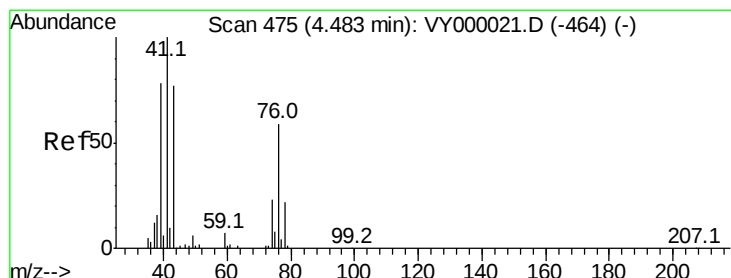
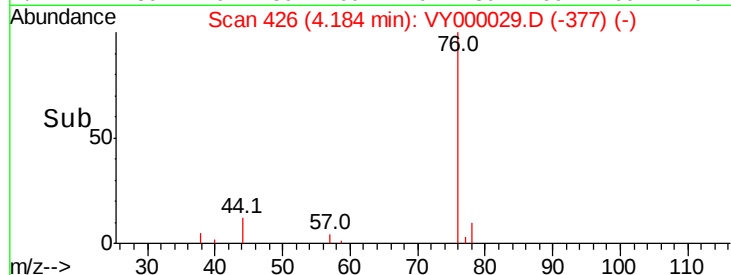
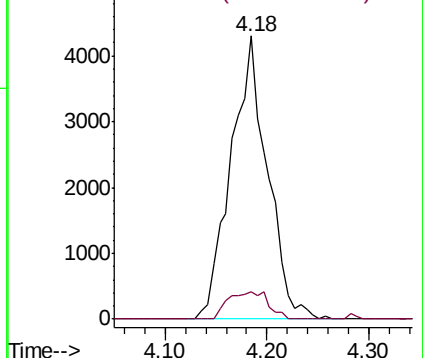
#17
Carbon Disulfide
Concen: 2.639 ug/l
RT: 4.18 min Scan# 426
Delta R.T. 0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 76 Resp: 10646
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4

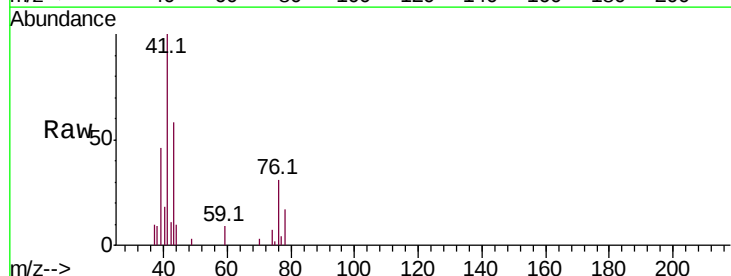


Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0

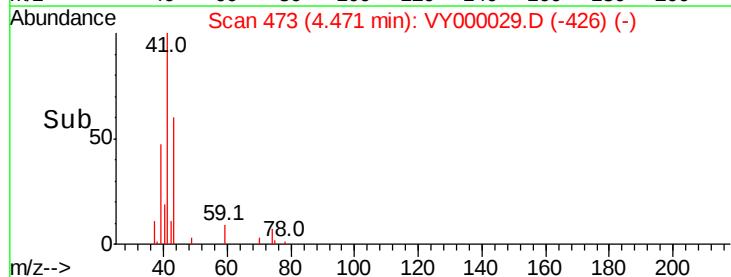
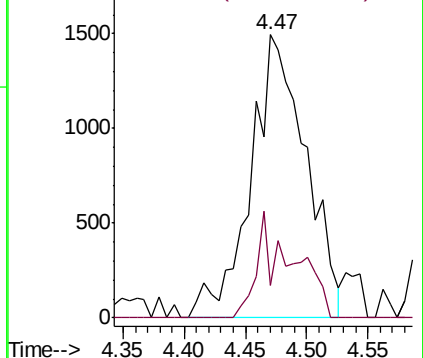


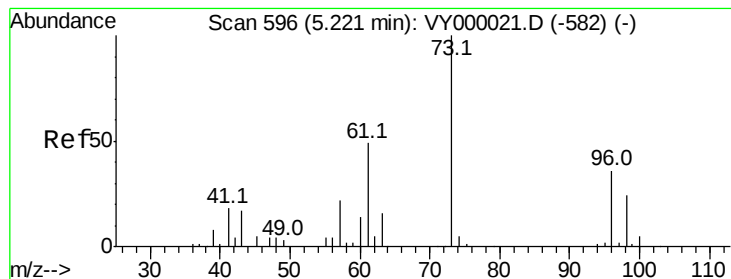
#18
Methyl Acetate
Concen: 4.239 ug/l
RT: 4.47 min Scan# 473
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 43 Resp: 4691
Ion Ratio Lower Upper
43 100
74 16.3 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0



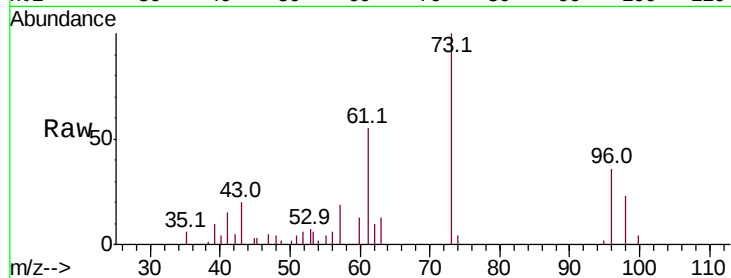


#19

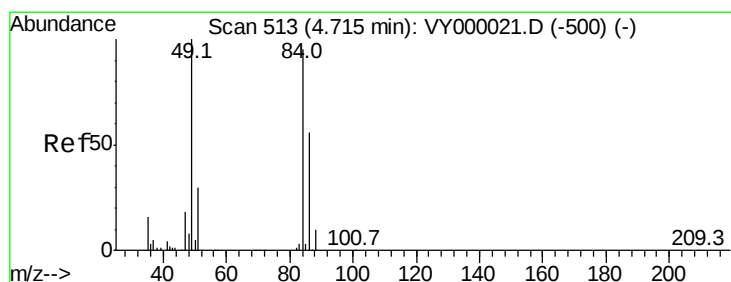
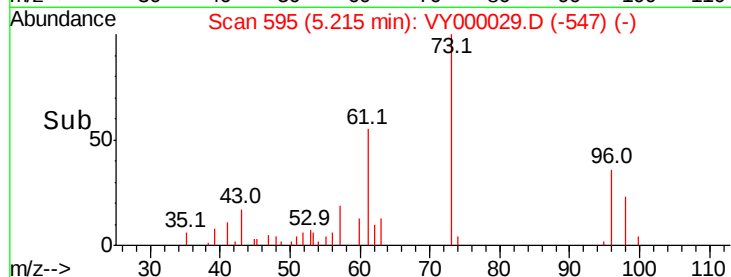
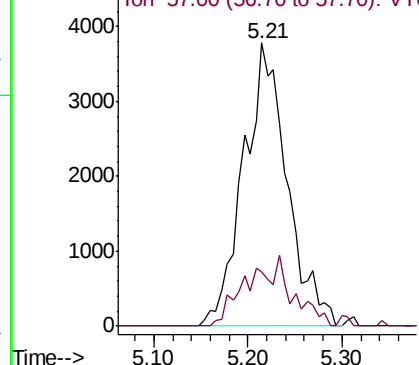
Methyl tert-butyl Ether
 Concen: 3.316 ug/l
 RT: 5.21 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 73 Resp: 12187
 Ion Ratio Lower Upper
 73 100
 57 19.3 17.8 26.8



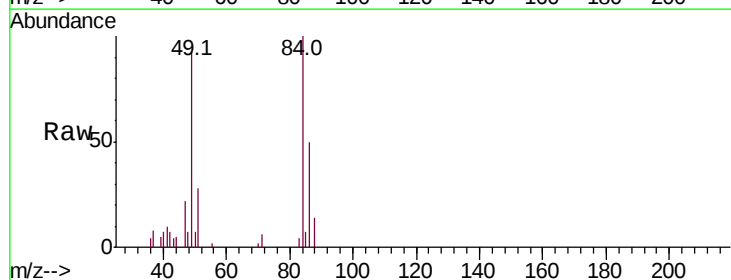
Abundance Ion 73.00 (72.70 to 73.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



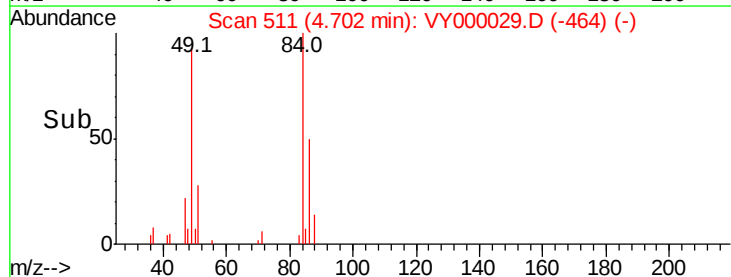
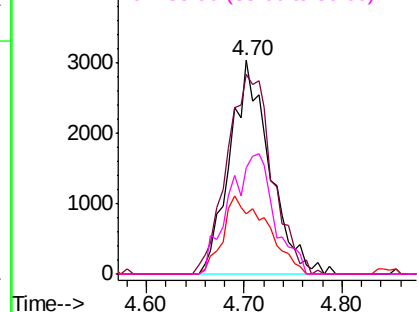
#20

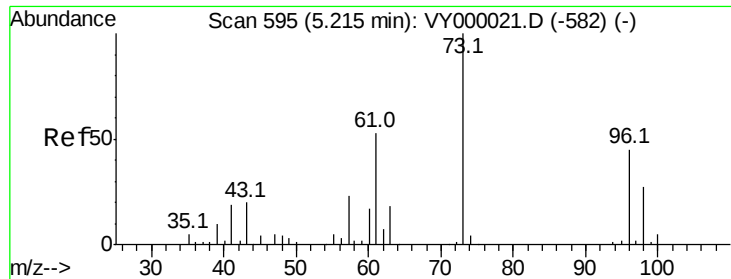
Methylene Chloride
 Concen: 2.564 ug/l
 RT: 4.70 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion: 84 Resp: 8573
 Ion Ratio Lower Upper
 84 100
 49 93.2 84.4 126.6
 51 27.9 25.4 38.0
 86 49.9 47.4 71.2



Abundance Ion 83.90 (83.60 to 84.60): VY0
 Ion 48.90 (48.60 to 49.60): VY0
 Ion 50.90 (50.60 to 51.60): VY0
 Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 3.745 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

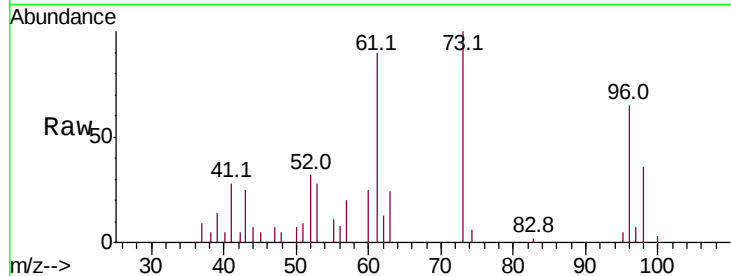
Tot Ion: 96 Resp: 5031

Ion Ratio Lower Upper

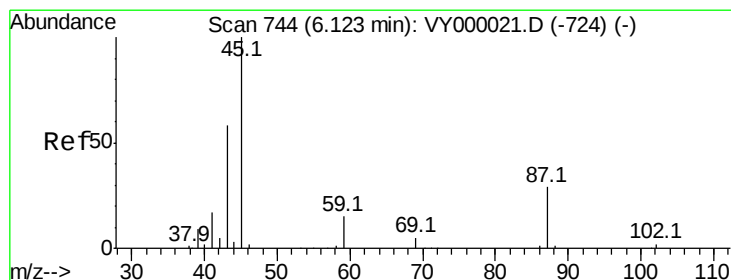
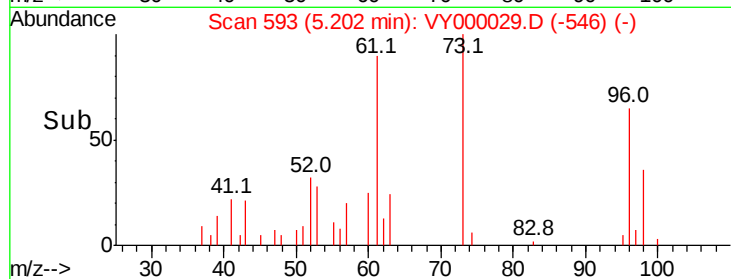
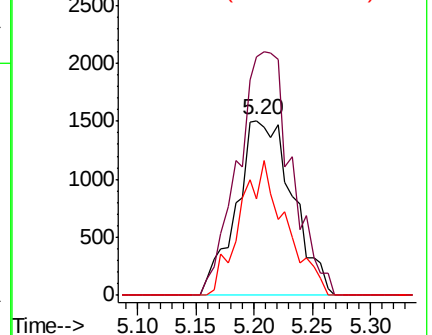
96 100

61 136.8 95.3 142.9

98 55.1 48.7 73.1



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



#22

Diisopropyl ether

Concen: 3.327 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion: 45 Resp: 13836

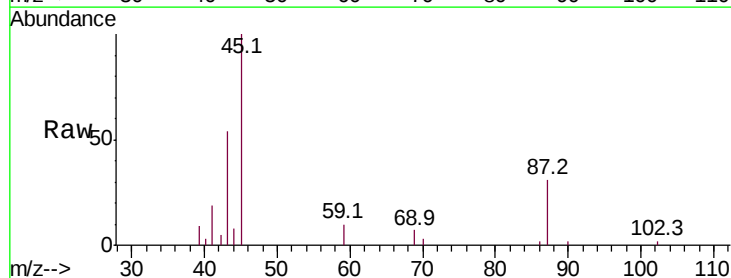
Ion Ratio Lower Upper

45 100

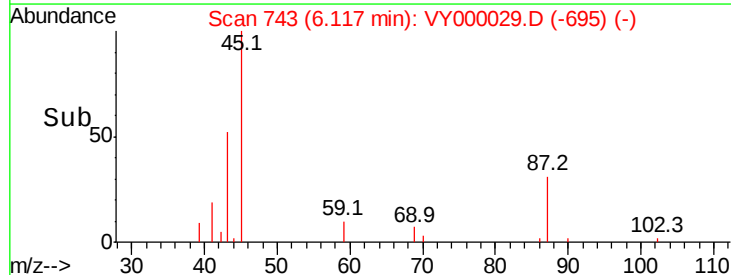
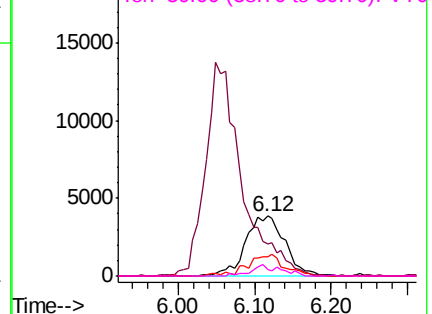
43 51.8 47.0 70.4

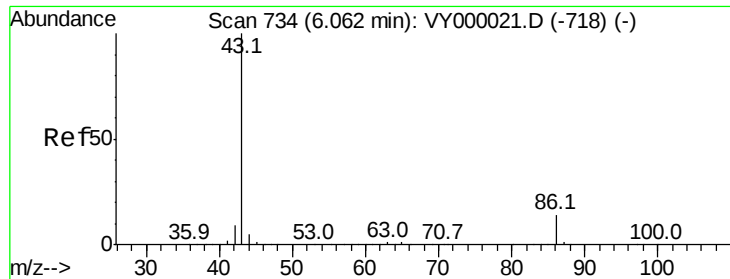
87 31.5 23.1 34.7

59 10.5 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: 15.922 ug/l

RT: 6.05 min Scan# 732

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

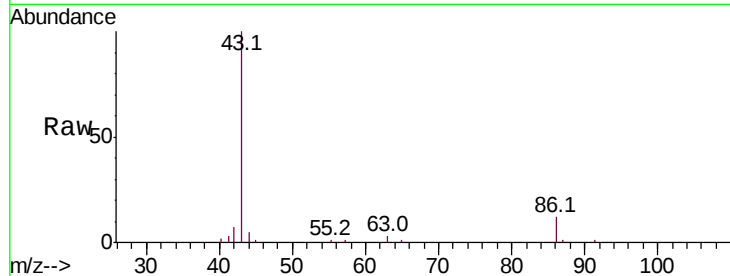
ClientSampleId :

Tot Ion: 43 Resp: 45808

Ion Ratio Lower Upper

43 100

86 11.6 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.05

15000

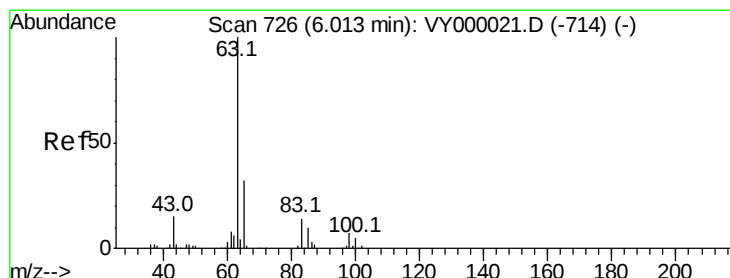
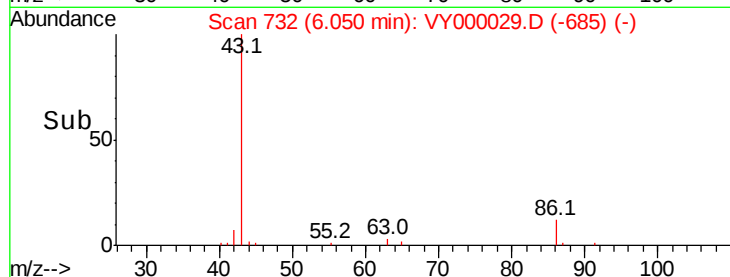
10000

5000

0

Time-->

5.90 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 3.622 ug/l

RT: 6.01 min Scan# 725

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

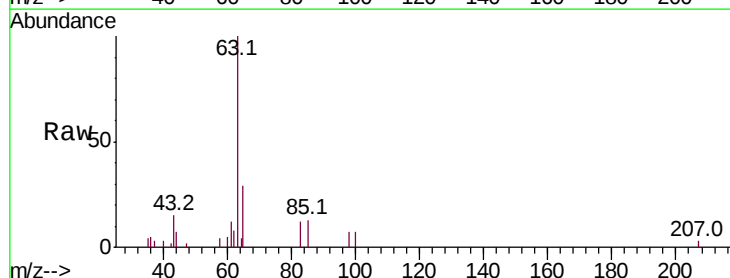
Tgt Ion: 63 Resp: 8927

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 7.5 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.01

3000

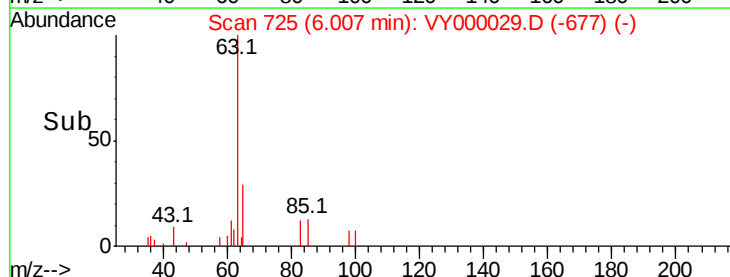
2000

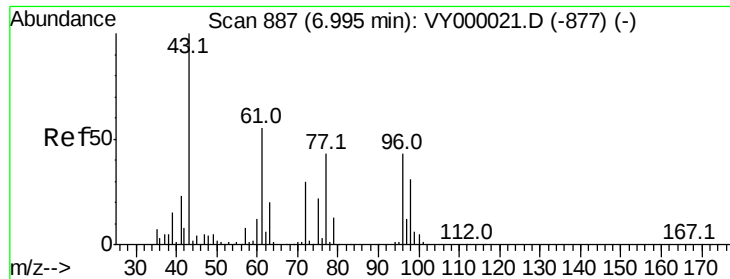
1000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 18.606 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

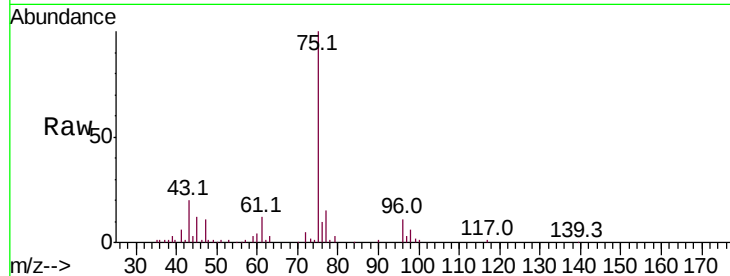
ClientSampleId :

Tot Ion: 43 Resp: 11893

Ion Ratio Lower Upper

43 100

72 26.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

5000

4000

3000

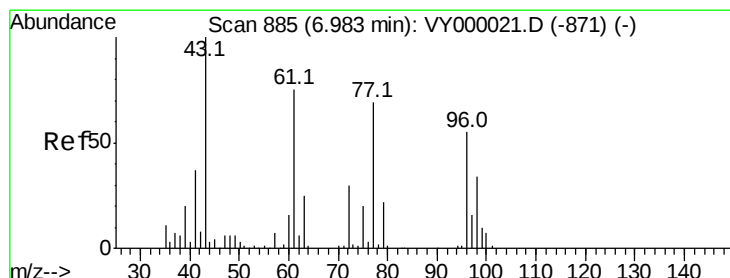
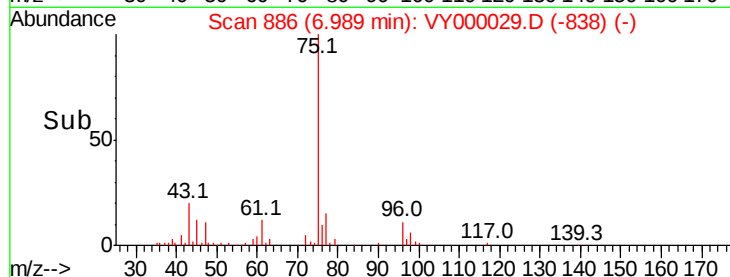
2000

1000

0

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 4.454 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000029.D

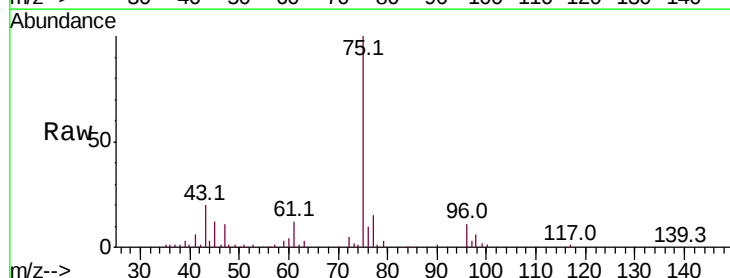
Acq: 12 Sep 2019 16:39

Tgt Ion: 77 Resp: 10197

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

3000

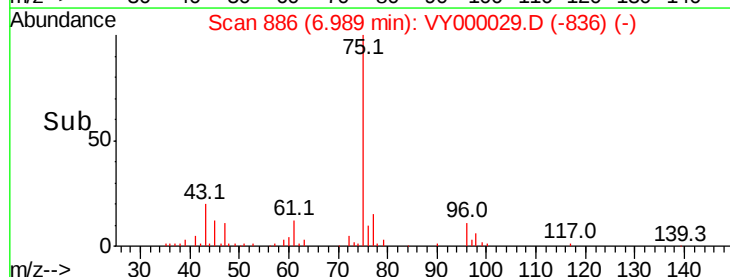
2000

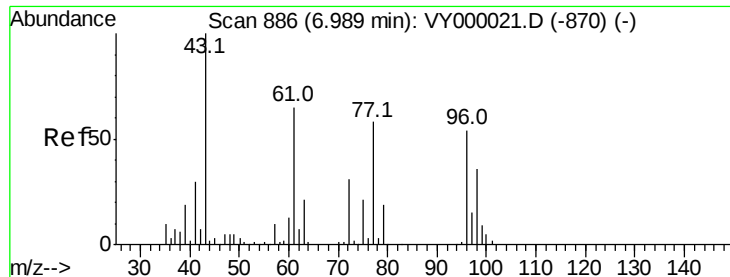
1000

0

6.90 7.00 7.10

Time-->



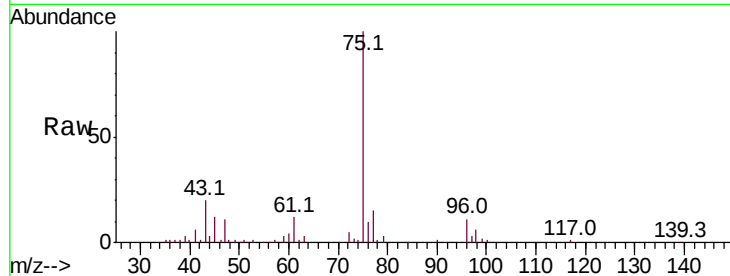


#27

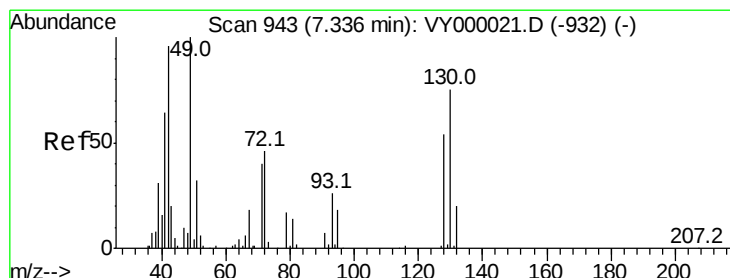
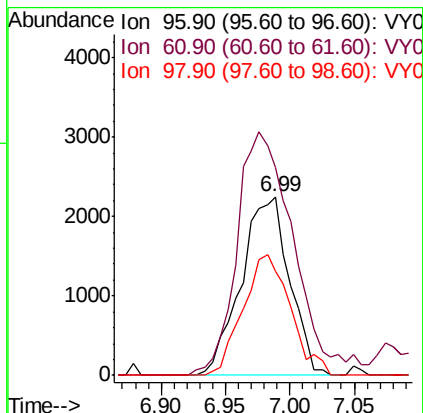
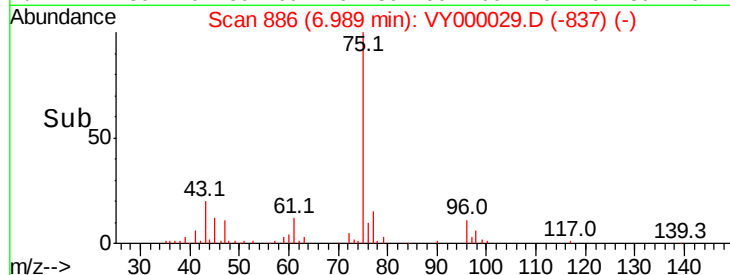
cis-1,2-Dichloroethene
Concen: 3.464 ug/l
RT: 6.99 min Scan# 886
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 5872
Ion Ratio Lower Upper
96 100
61 159.3 0.0 259.2
98 66.1 0.0 127.4



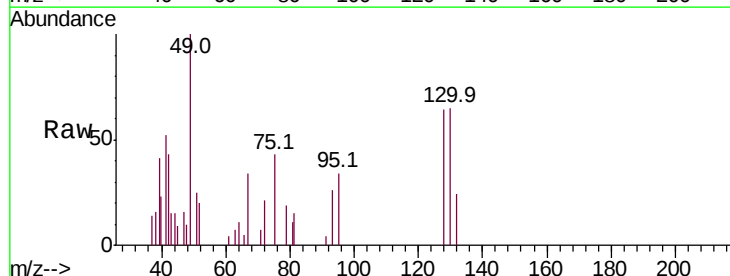
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



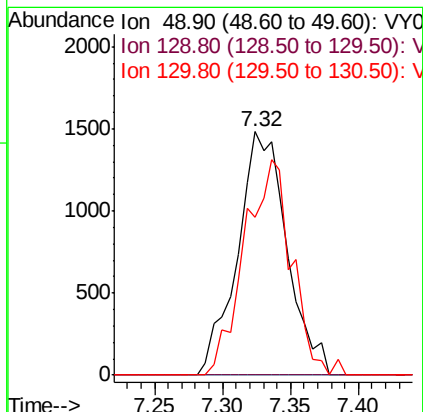
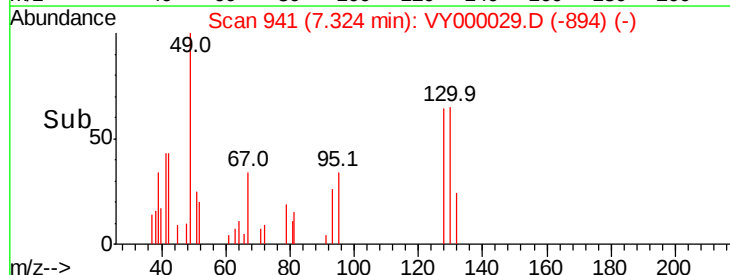
#28

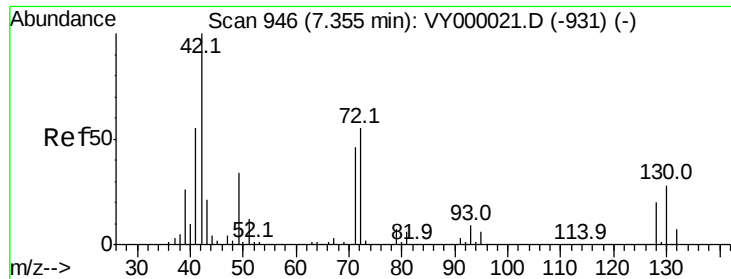
Bromochloromethane
Concen: 3.344 ug/l
RT: 7.32 min Scan# 941
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 49 Resp: 3785
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 84.2 62.5 93.7



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

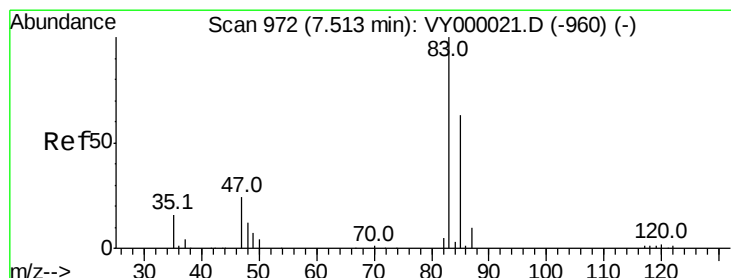
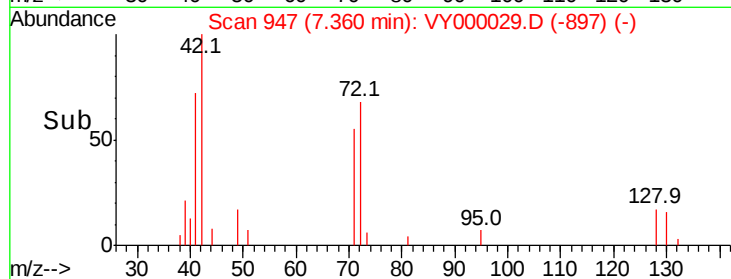
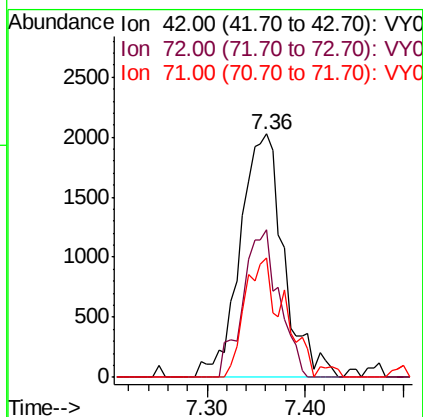
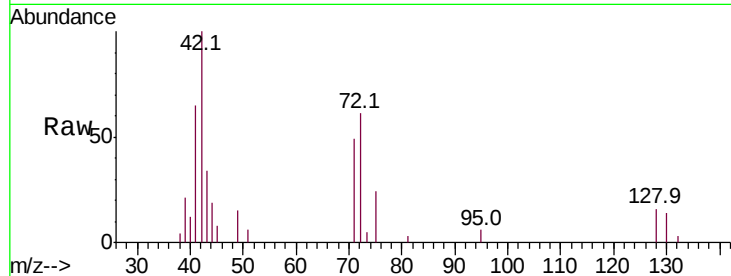




#29
Tetrahydrofuran
Concen: 16.543 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

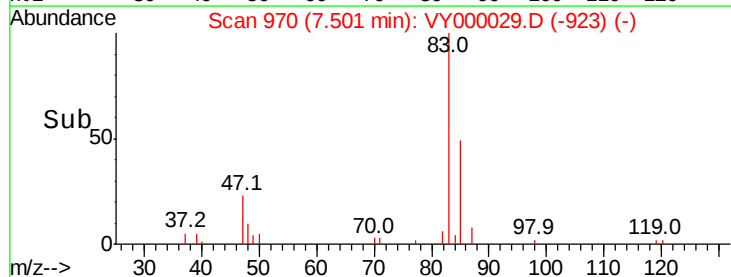
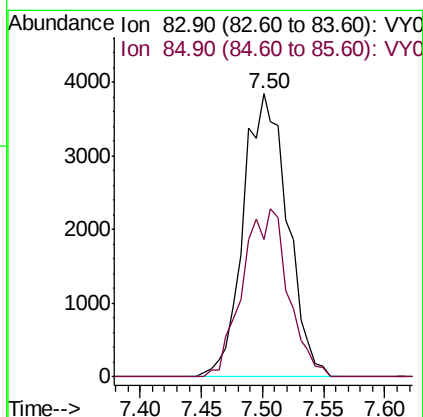
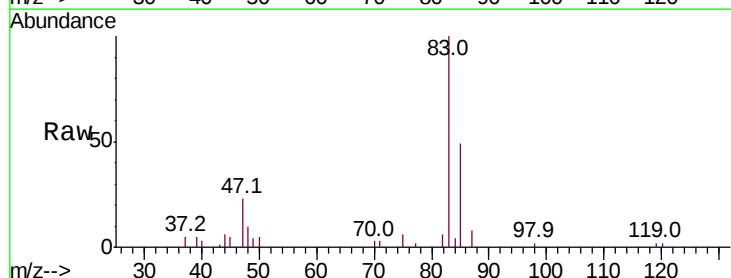
Instrument :
MSVOA_Y
ClientSampled :

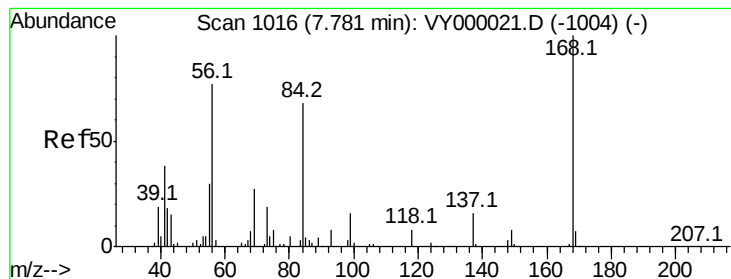
Tot Ion: 42 Resp: 6290
Ion Ratio Lower Upper
42 100
72 50.1 41.1 61.7
71 44.6 36.5 54.7



#30
Chloroform
Concen: 3.797 ug/l
RT: 7.50 min Scan# 970
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 83 Resp: 9650
Ion Ratio Lower Upper
83 100
85 48.8 50.6 76.0#





#31

Cyclohexane

Concen: 2.287 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

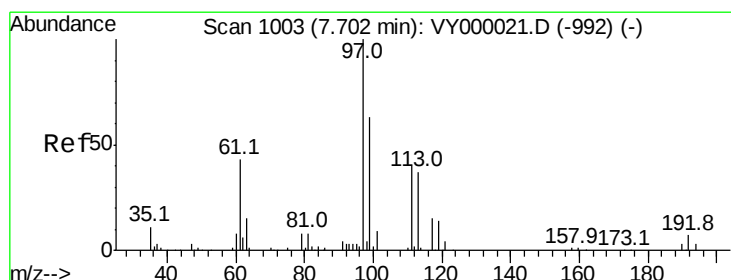
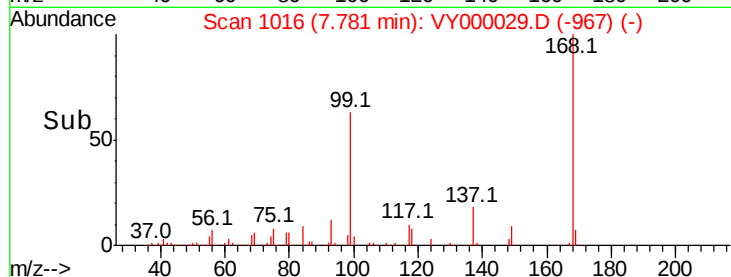
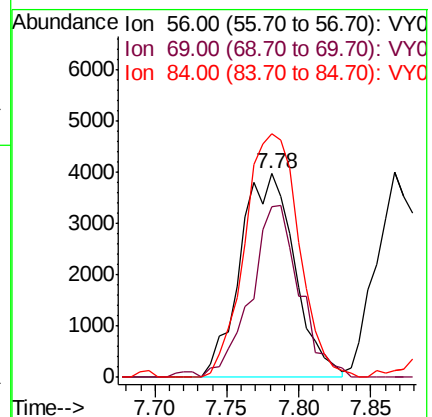
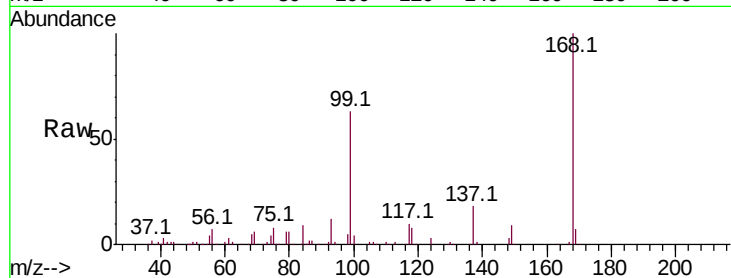
Tot Ion: 56 Resp: 10452

Ion Ratio Lower Upper

56 100

69 81.0 28.0 42.0#

84 119.6 70.4 105.6#



#32

1,1,1-Trichloroethane

Concen: 3.228 ug/l

RT: 7.70 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

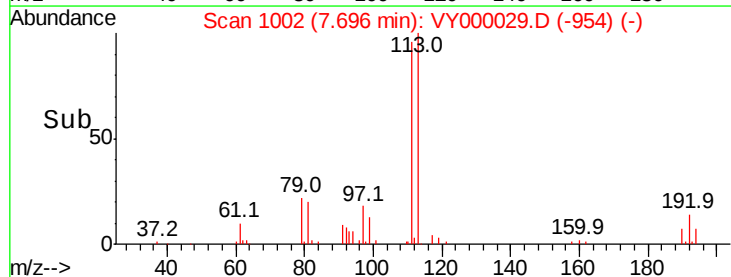
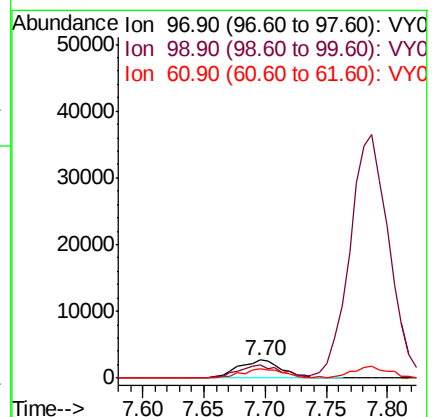
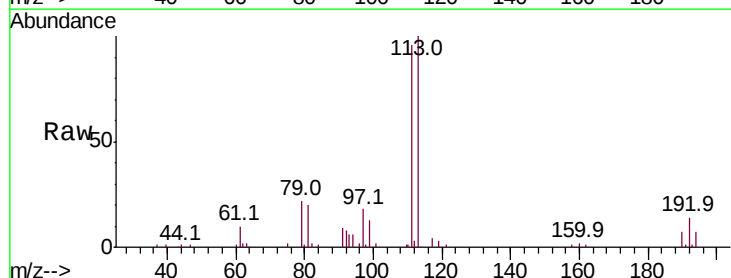
Tgt Ion: 97 Resp: 6730

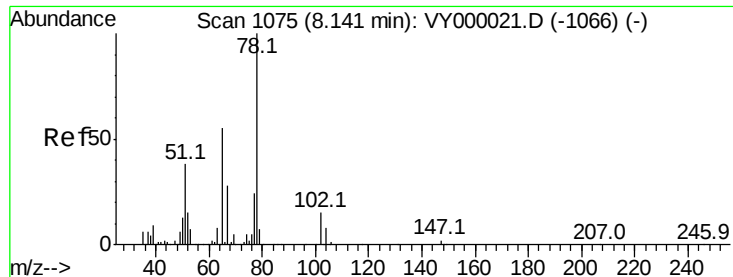
Ion Ratio Lower Upper

97 100

99 70.2 51.0 76.6

61 48.2 35.7 53.5

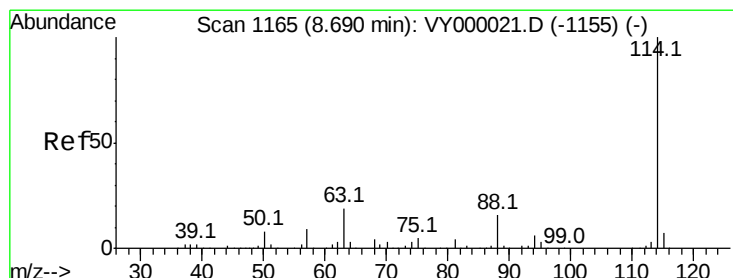
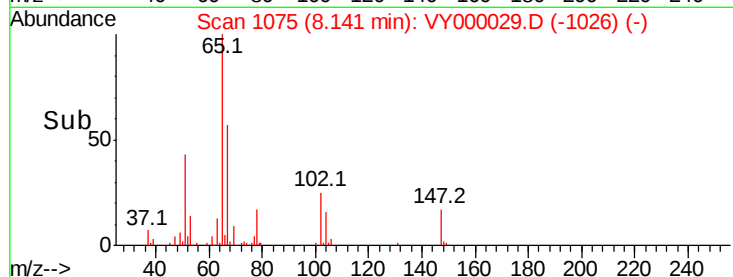
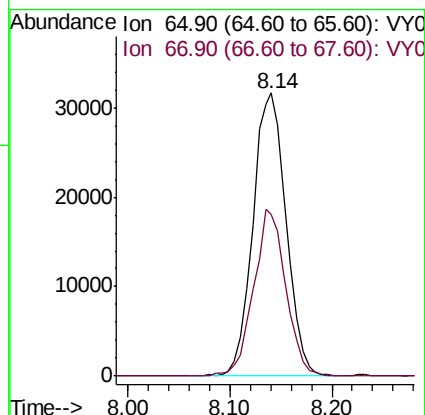
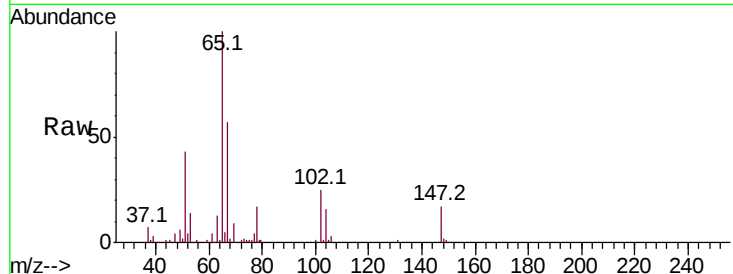




#33
 1,2-Dichloroethane-d4
 Concen: 50.314 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

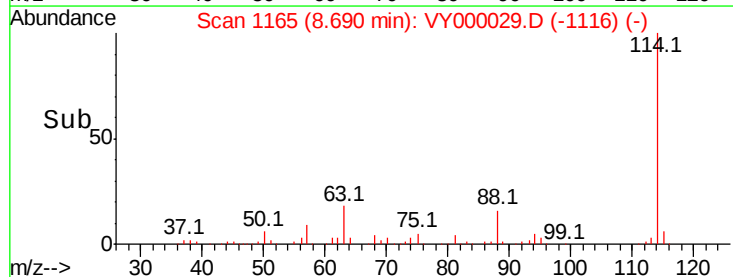
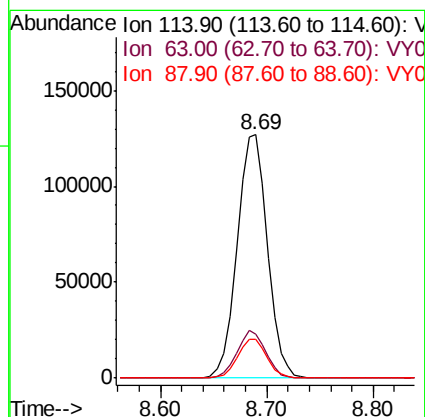
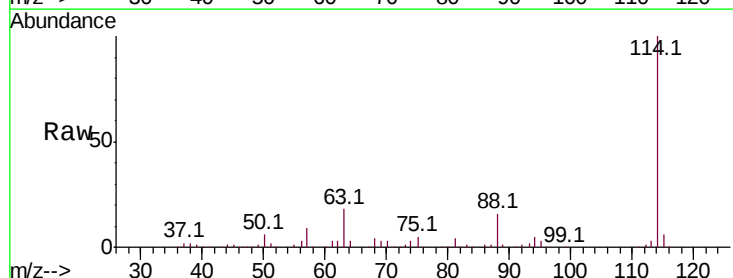
Instrument :
 MSVOA_Y
 ClientSampleId :

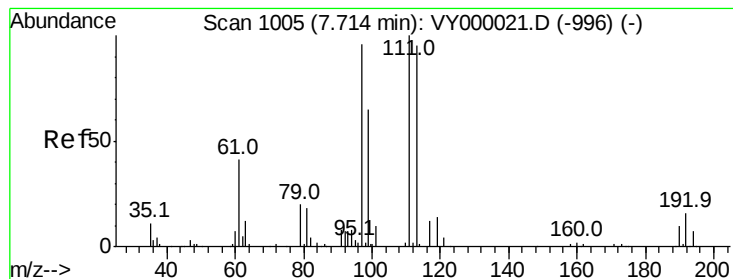
Tot Ion: 65 Resp: 71359
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion: 114 Resp: 252858
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.6
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.339 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

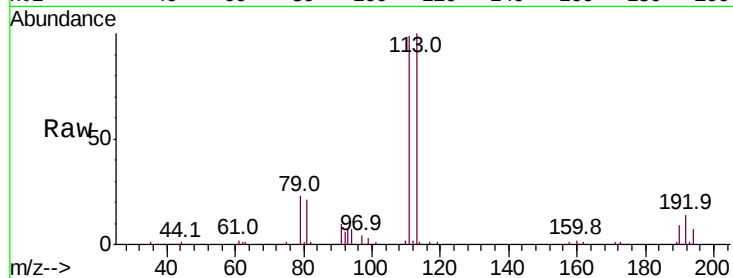
Tot Ion:113 Resp: 70122

Ion Ratio Lower Upper

113 100

111 104.3 83.9 125.9

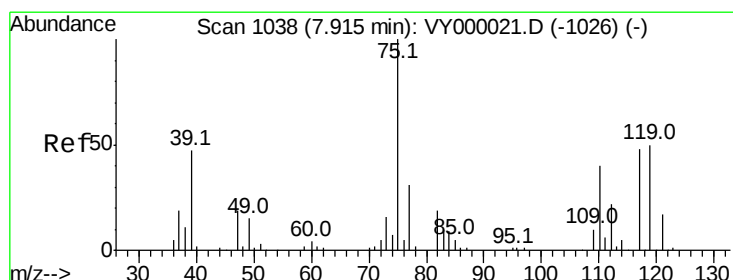
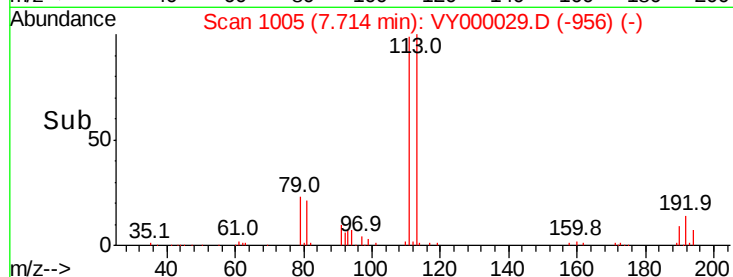
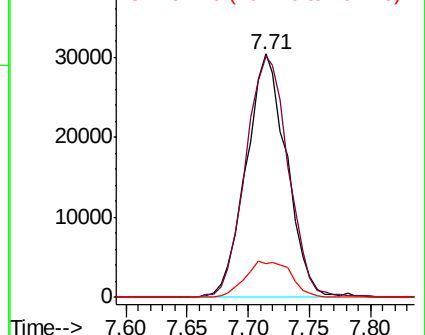
192 16.6 14.5 21.7



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: 3.784 ug/l

RT: 7.91 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

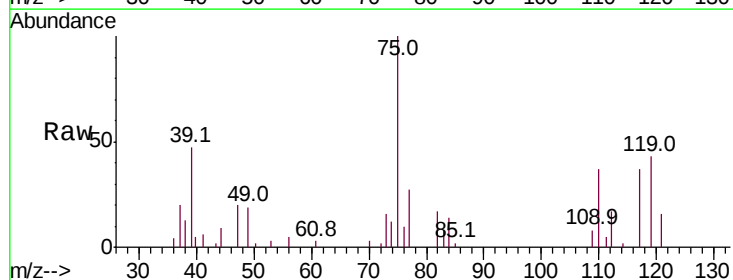
Tgt Ion: 75 Resp: 7025

Ion Ratio Lower Upper

75 100

110 37.2 18.6 55.8

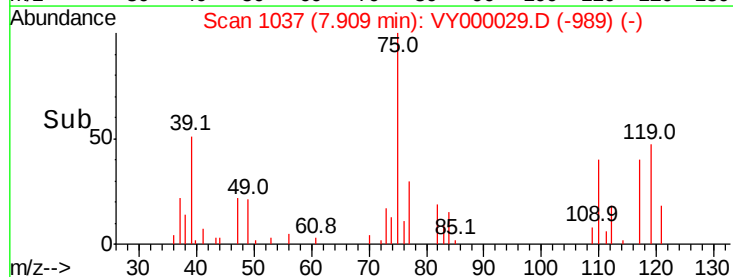
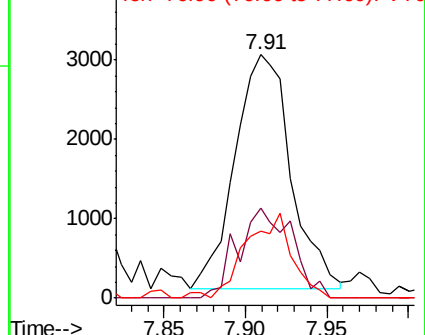
77 30.0 24.4 36.6

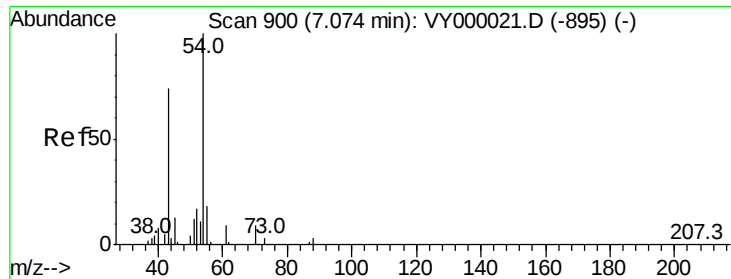


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

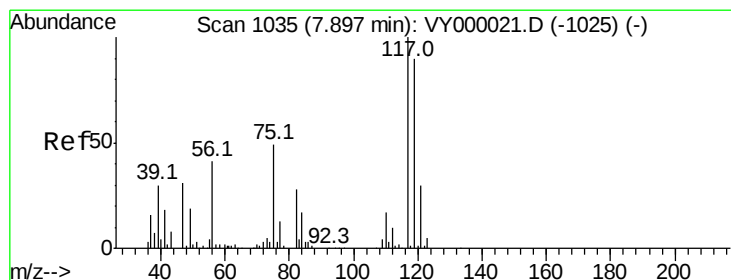
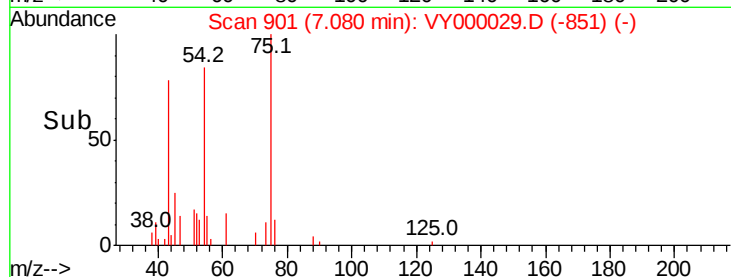
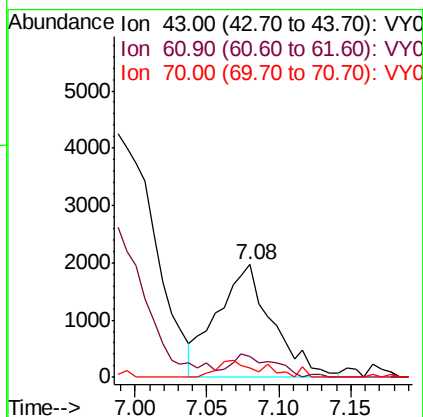
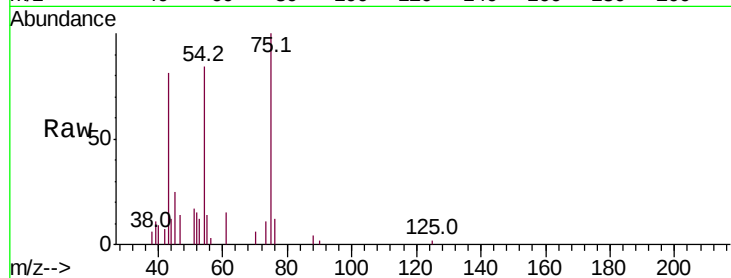




#37
Ethyl Acetate
Concen: 4.175 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

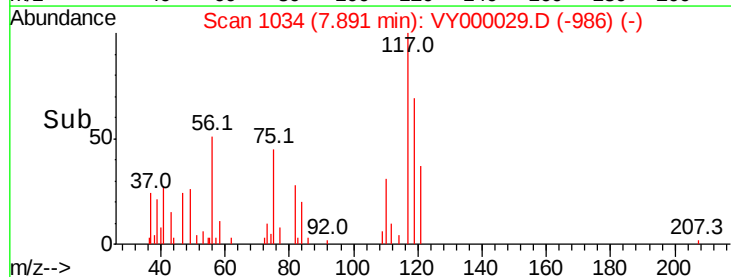
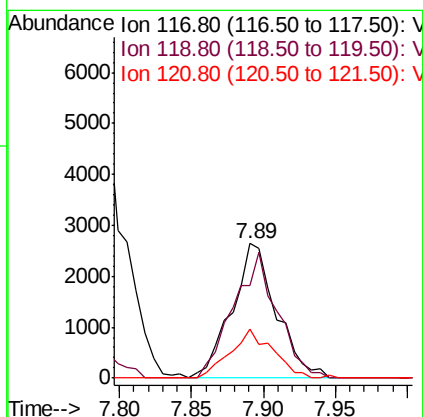
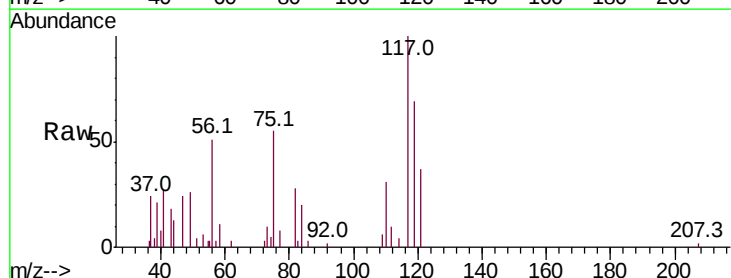
Instrument :
MSVOA_Y
ClientSampled :

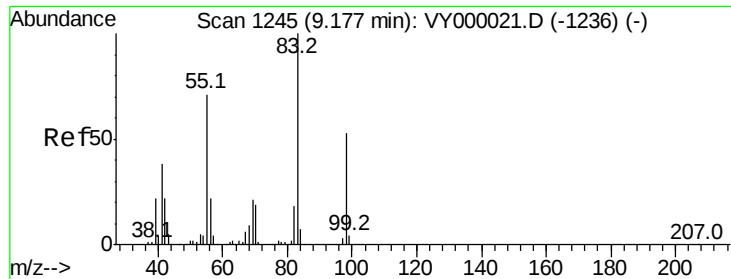
Tot Ion: 43 Resp: 5227
Ion Ratio Lower Upper
43 100
61 15.5 13.1 19.7
70 8.5 10.9 16.3#



#38
Carbon Tetrachloride
Concen: 3.247 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 117 Resp: 5690
Ion Ratio Lower Upper
117 100
119 68.9 72.1 108.1#
121 36.7 23.9 35.9#

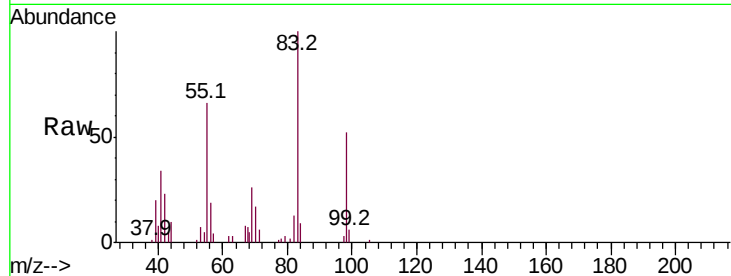




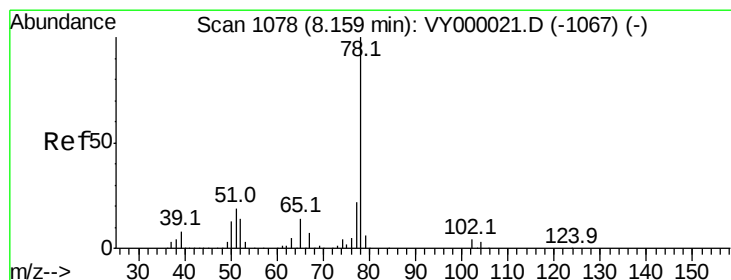
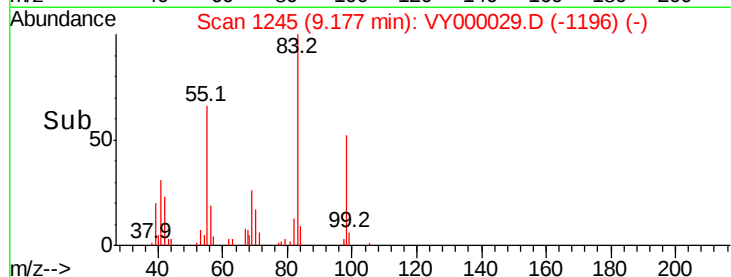
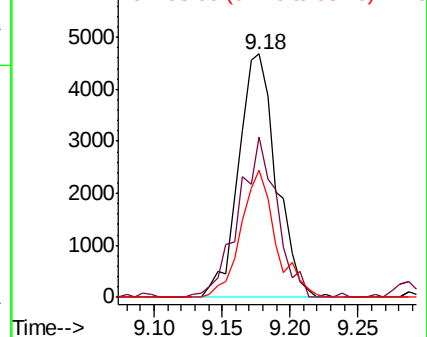
#39
Methvlcvclohexane
Concen: 3.930 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	83	Resp	9015
Ion Ratio	100		
Lower	57.0		
Upper	85.4		
83	64.6	52.5	63.0

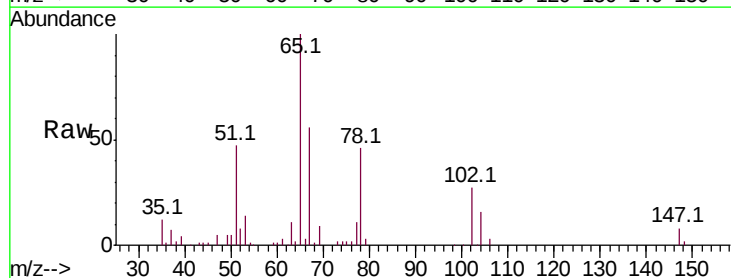


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

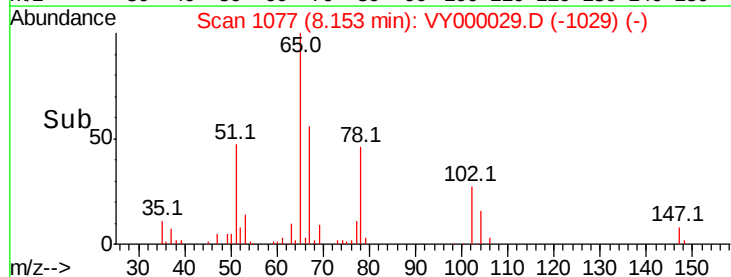
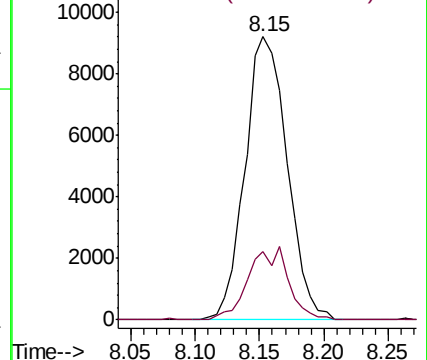


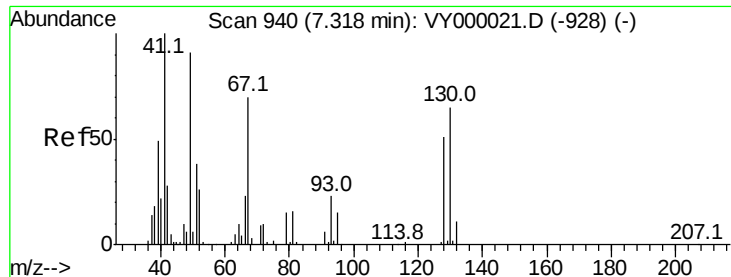
#40
Benzene
Concen: 3.447 ug/l
RT: 8.15 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	78	Resp	20834
Ion Ratio	100		
Lower	17.8		
Upper	26.6		
78	24.0	77	24.0



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

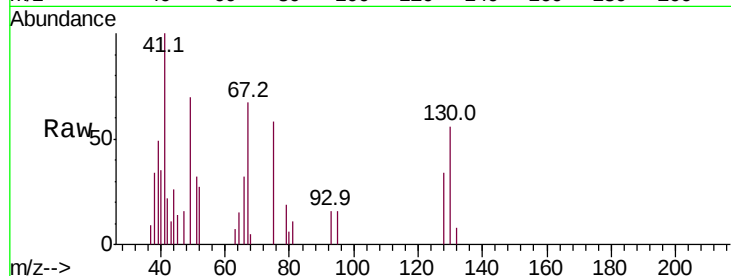




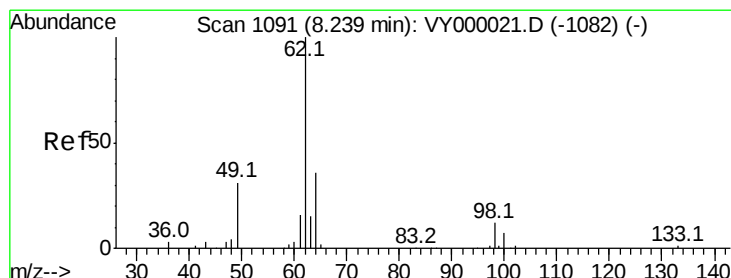
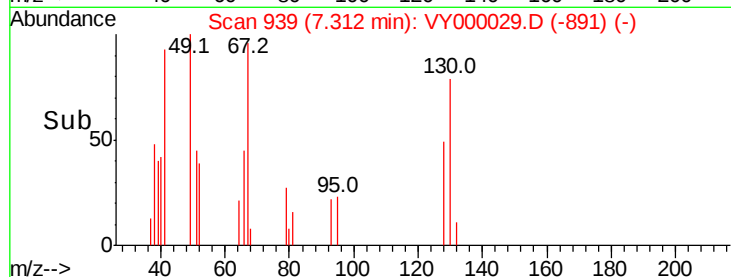
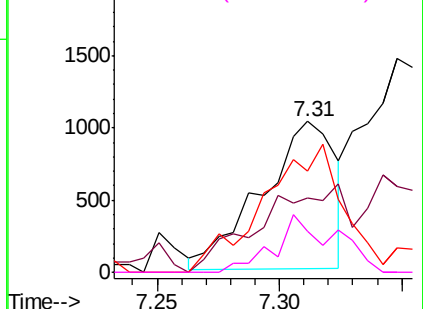
#41
Methacrylonitrile
Concen: 2.948 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	41	Resp:	2147
Ion	Ratio	Lower	Upper
41	100		
39	69.5	41.8	62.6#
67	93.8	65.8	98.6
52	32.0	23.9	35.9

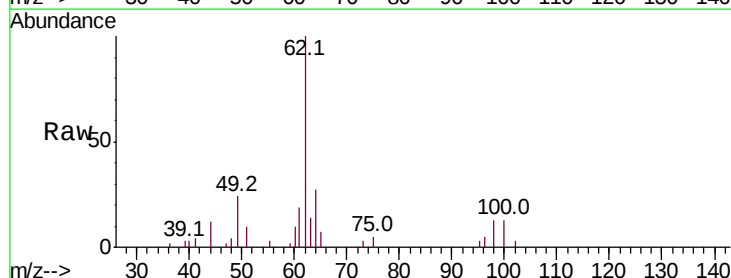


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

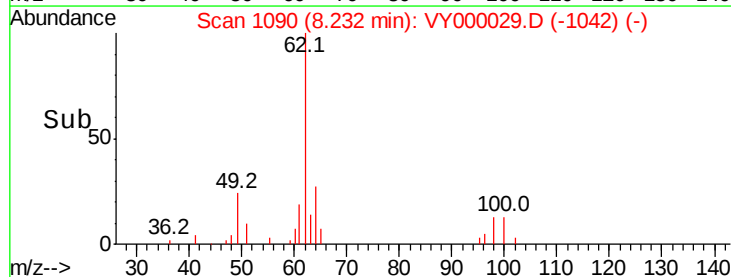
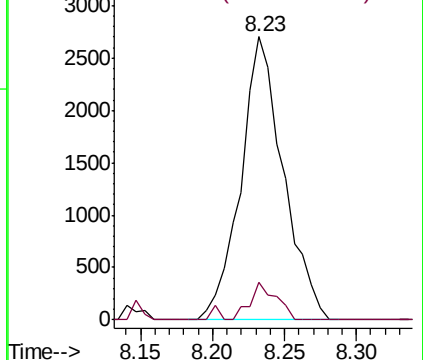


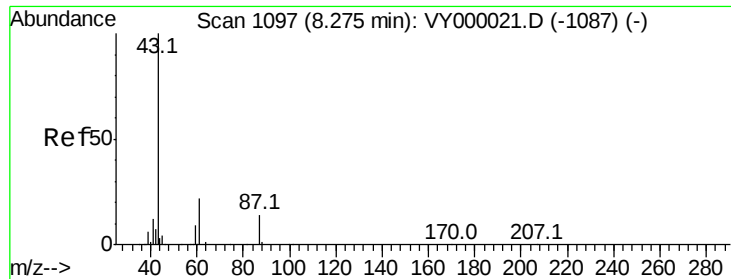
#42
1,2-Dichloroethane
Concen: 3.574 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:	62	Resp:	5520
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	23.2



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





#43

Isopropyl Acetate

Concen: 3.338 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :

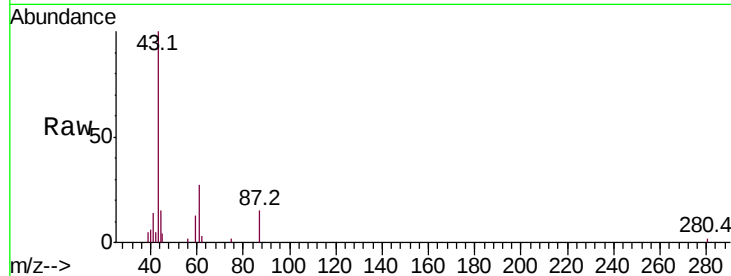
Tot Ion: 43 Resp: 8099

Ion Ratio Lower Upper

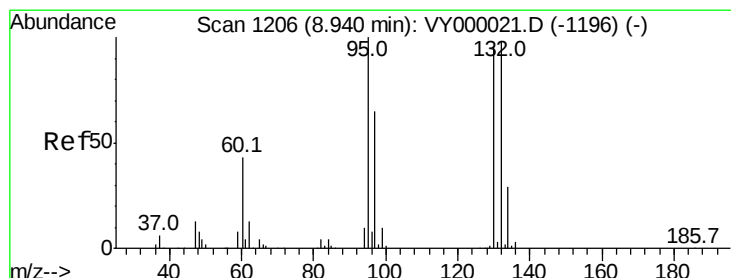
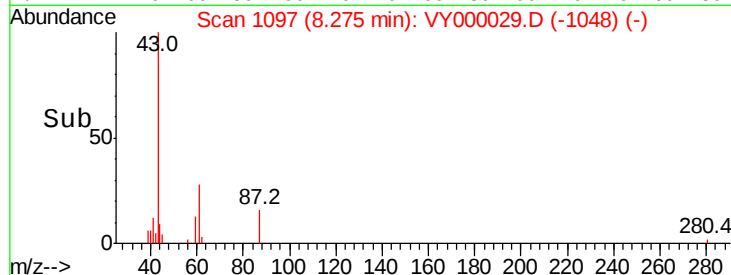
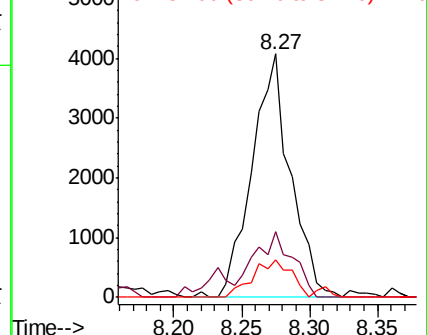
43 100

61 26.4 24.9 37.3

87 15.3 12.3 18.5



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



#44

Trichloroethene

Concen: 3.416 ug/l

RT: 8.93 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VY000029.D

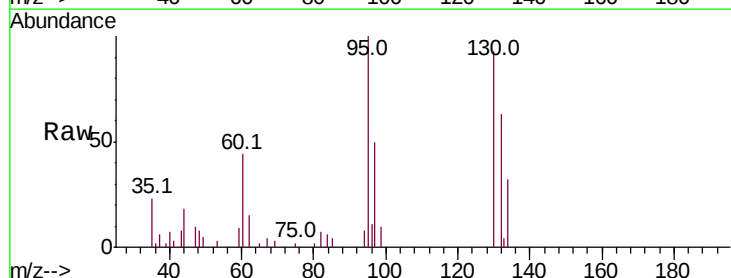
Acq: 12 Sep 2019 16:39

Tgt Ion: 130 Resp: 5155

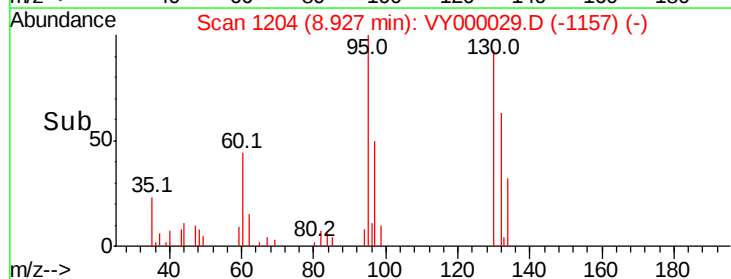
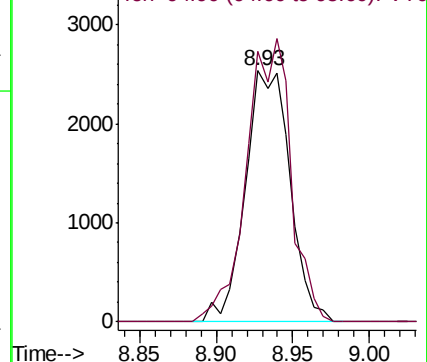
Ion Ratio Lower Upper

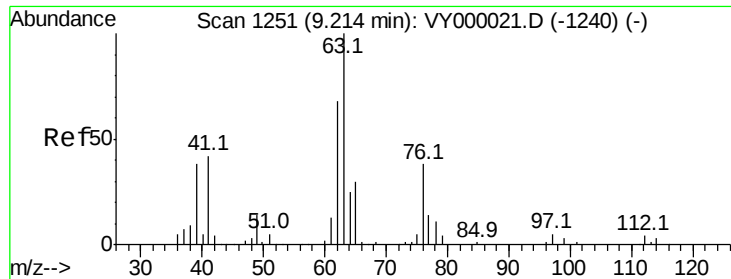
130 100

95 107.8 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 3.379 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

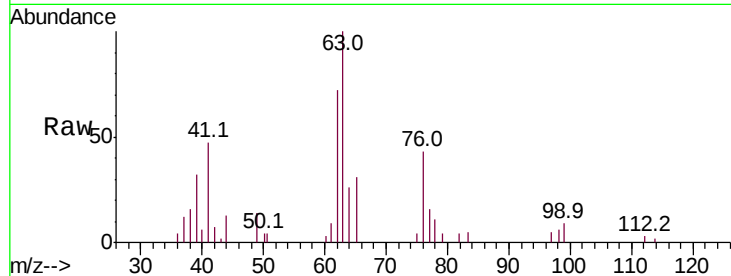
ClientSampled :

Tot Ion: 63 Resp: 5266

Ion Ratio Lower Upper

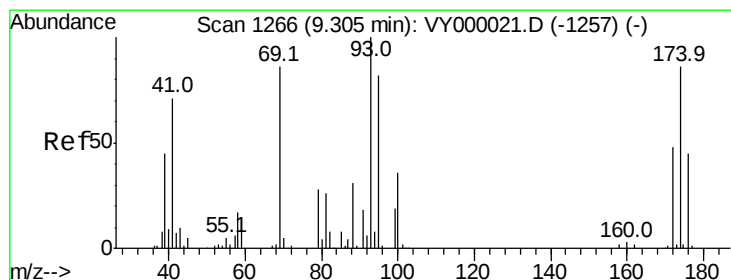
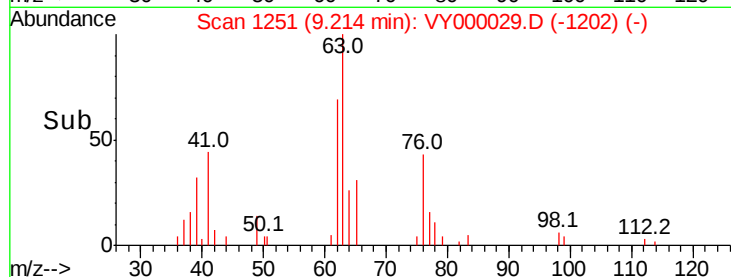
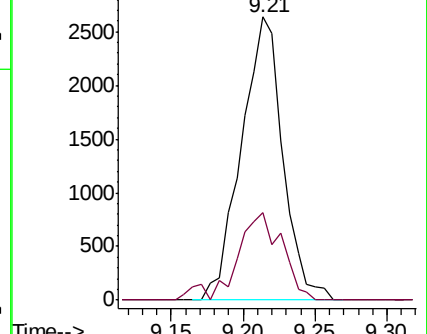
63 100

65 31.1 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 3.089 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

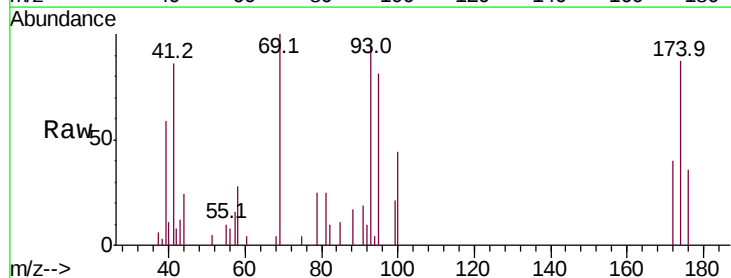
Tgt Ion: 93 Resp: 2672

Ion Ratio Lower Upper

93 100

95 93.2 67.0 100.6

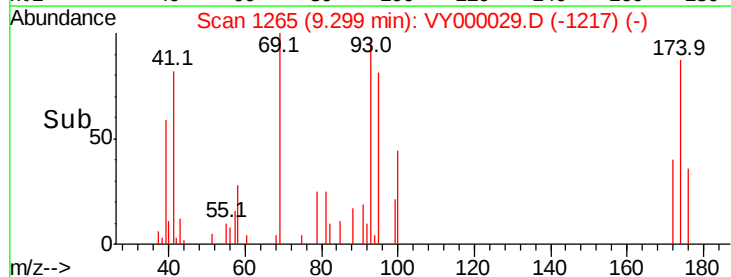
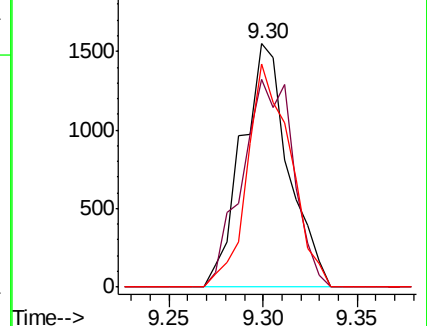
174 84.3 68.8 103.2

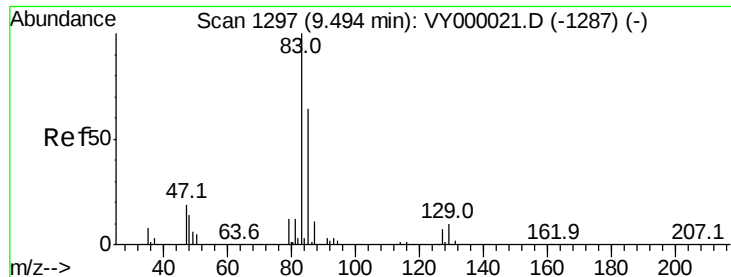


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 3.310 ug/l

RT: 9.49 min Scan# 1297

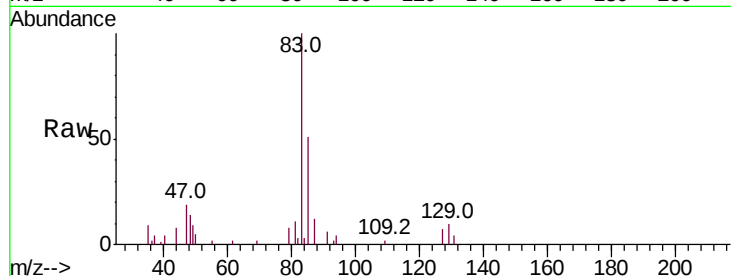
Delta R.T. -0.00 min

Lab File: VY000029.D

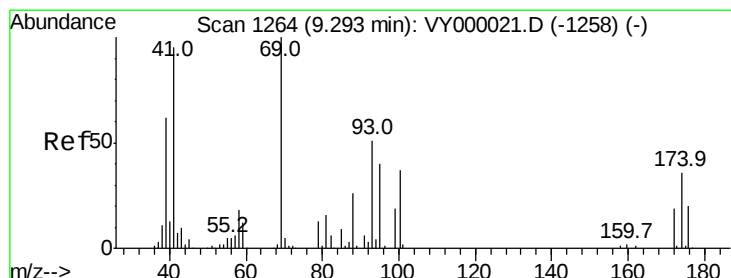
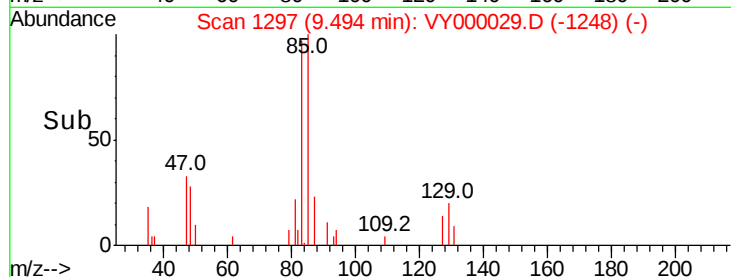
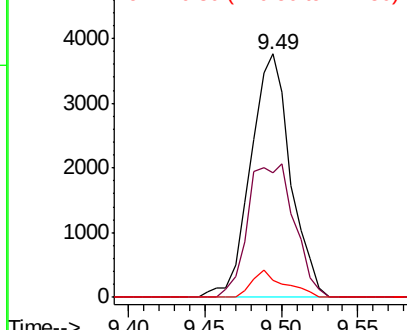
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	83	Resp:	6835
Ion	Ratio	Lower	Upper
83	100		
85	51.2	51.4	77.2#
127	7.3	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: 3.368 ug/l

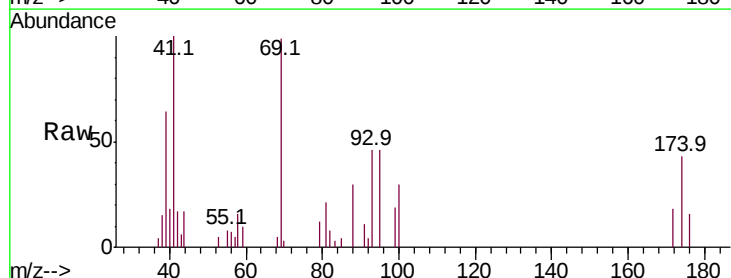
RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

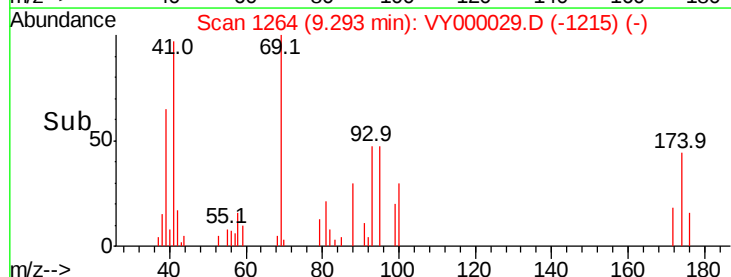
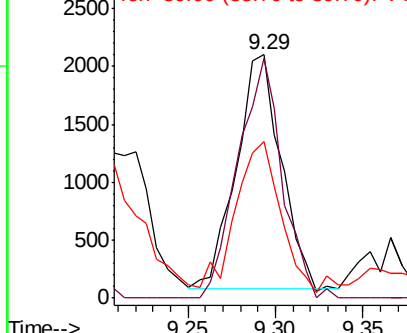
Lab File: VY000029.D

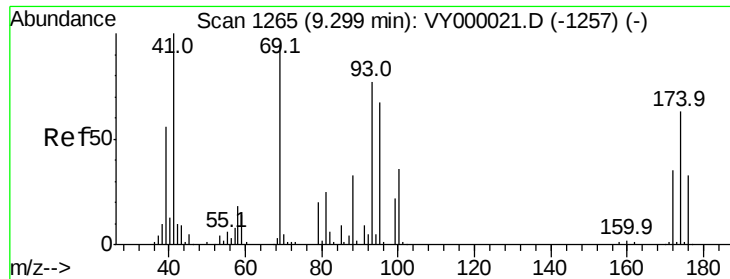
Acq: 12 Sep 2019 16:39

Tgt Ion:	41	Resp:	3605
Ion	Ratio	Lower	Upper
41	100		
69	101.1	79.7	119.5
39	69.4	48.6	72.8



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

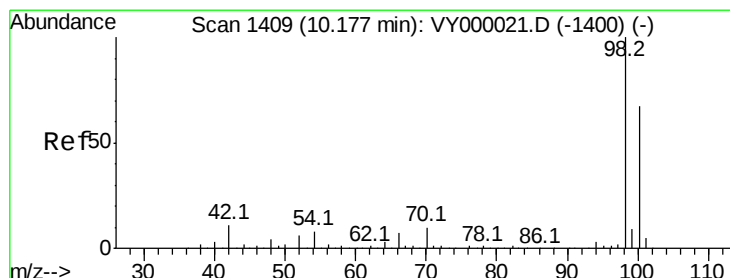
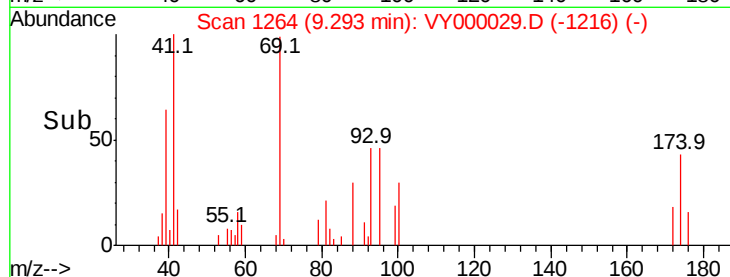
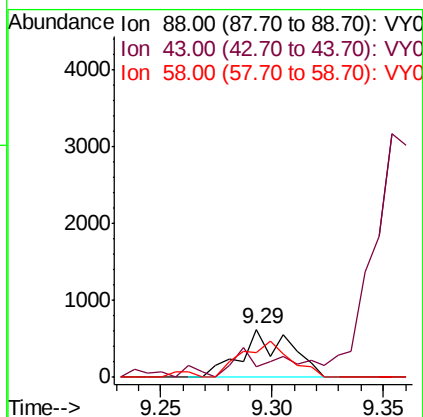
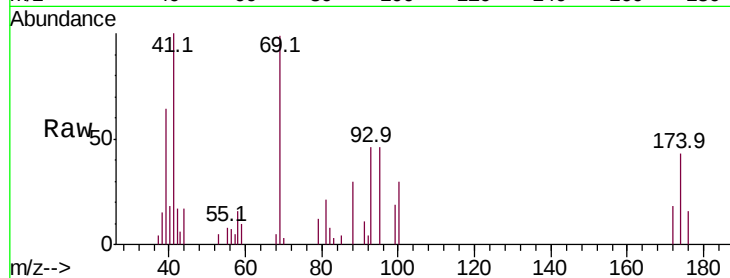




#49
 1,4-Dioxane
 Concen: 52.113 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

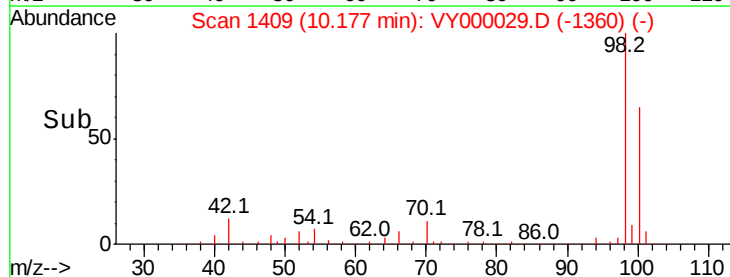
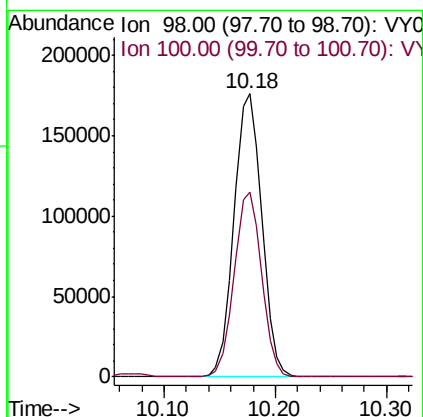
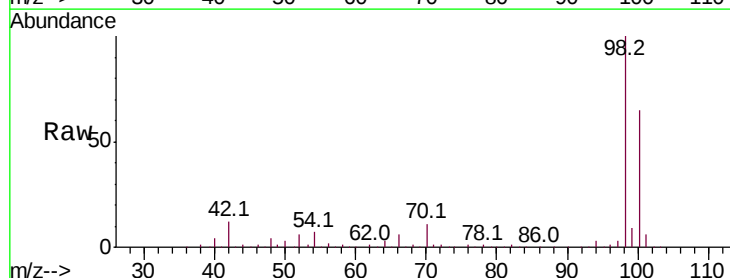
Instrument :
 MSVOA_Y
 ClientSampleId :

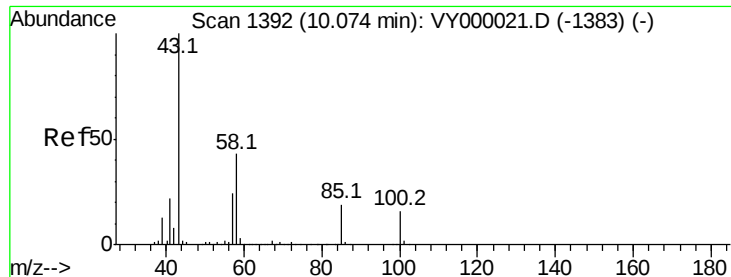
Tot Ion: 88 Resp: 944
 Ion Ratio Lower Upper
 88 100
 43 34.3 24.6 37.0
 58 73.9 52.7 79.1



#50
 Toluene-d8
 Concen: 52.064 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion: 98 Resp: 304086
 Ion Ratio Lower Upper
 98 100
 100 64.5 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 15.186 ug/l

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

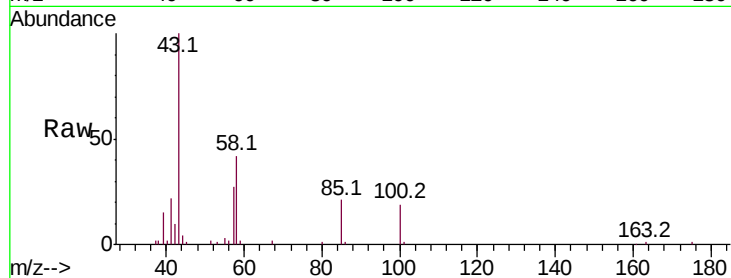
ClientSampleId :

Tot Ion: 43 Resp: 20643

Ion Ratio Lower Upper

43 100

58 43.6 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

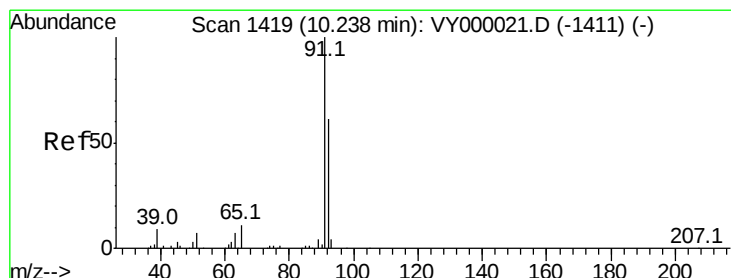
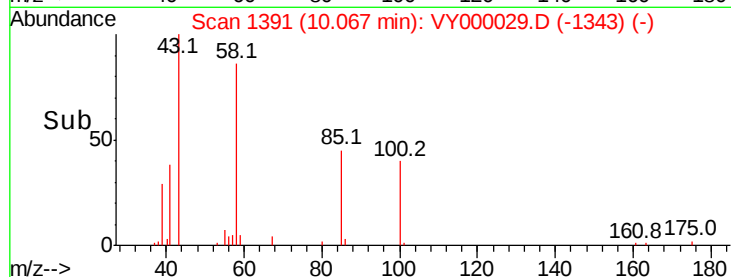
10.07

10000

5000

0

Time-->



#52

Toluene

Concen: 3.342 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VY000029.D

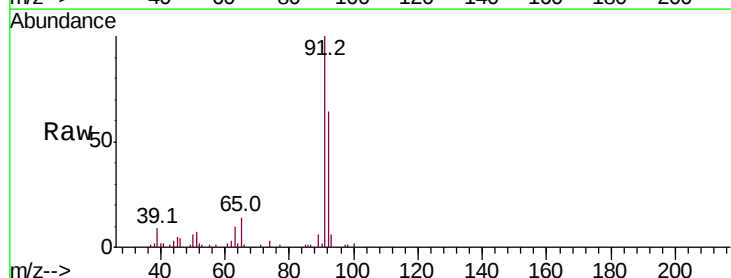
Acq: 12 Sep 2019 16:39

Tgt Ion: 92 Resp: 12692

Ion Ratio Lower Upper

92 100

91 168.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

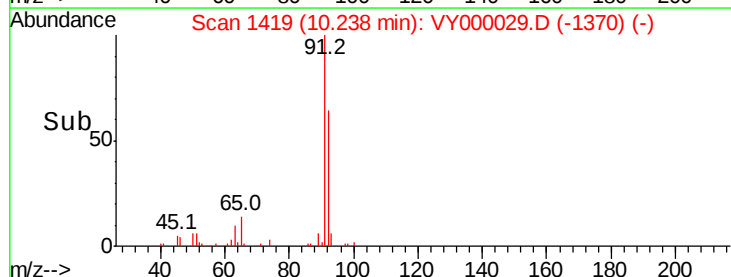
10.24

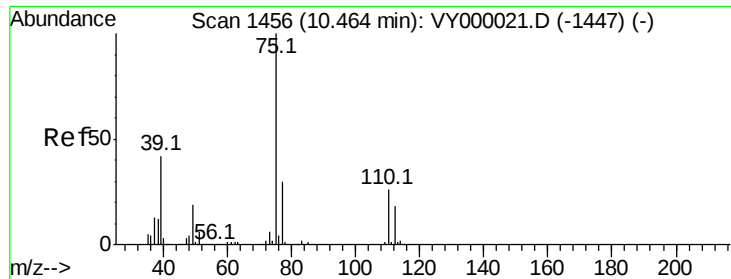
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 3.232 ug/l

RT: 10.46 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

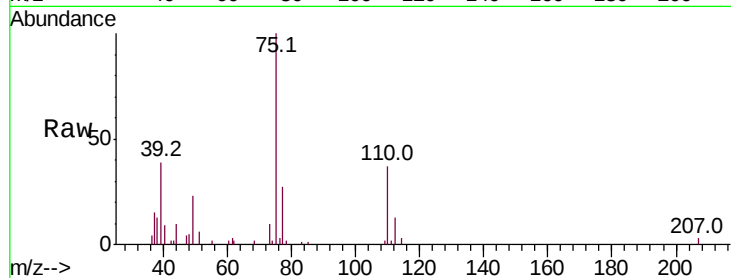
ClientSampleId :

Tot Ion: 75 Resp: 7016

Ion Ratio Lower Upper

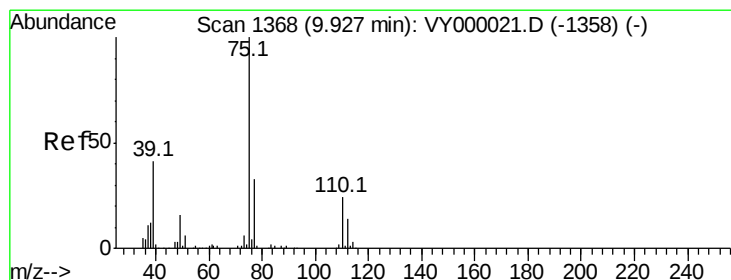
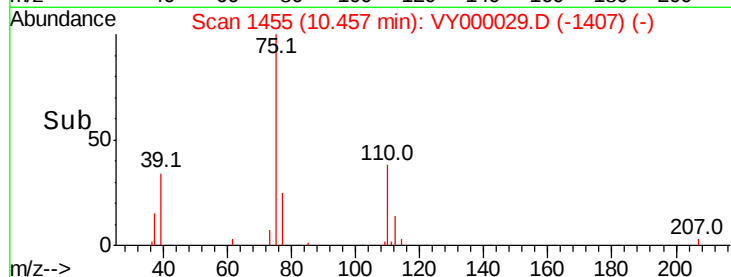
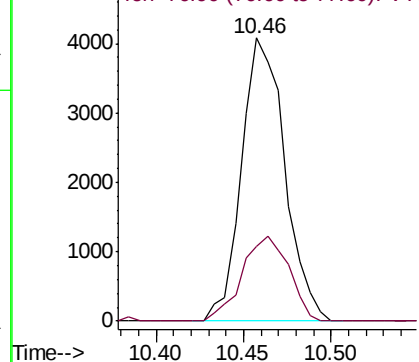
75 100

77 26.6 23.8 35.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 3.220 ug/l

RT: 9.92 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

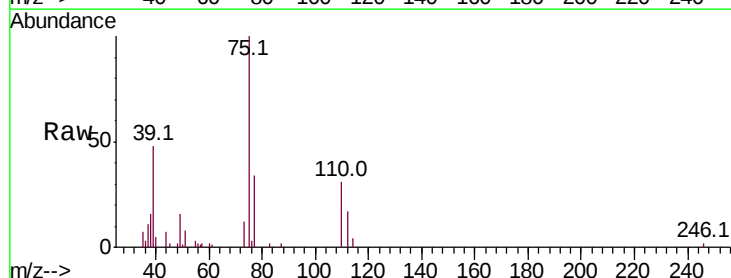
Tgt Ion: 75 Resp: 8135

Ion Ratio Lower Upper

75 100

77 34.0 26.3 39.5

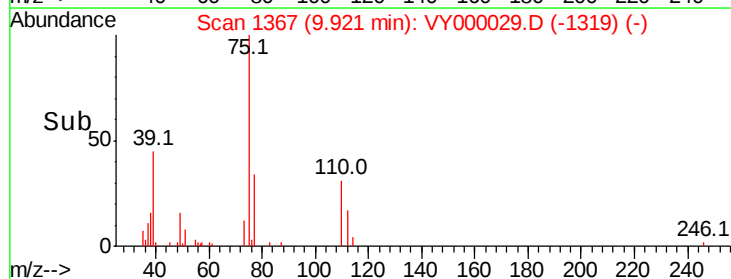
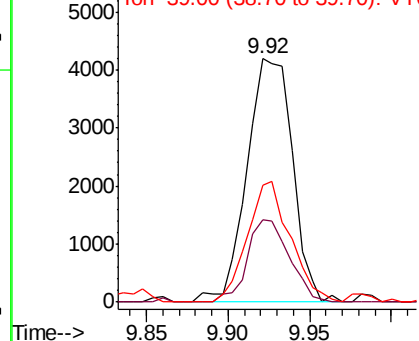
39 47.9 32.9 49.3

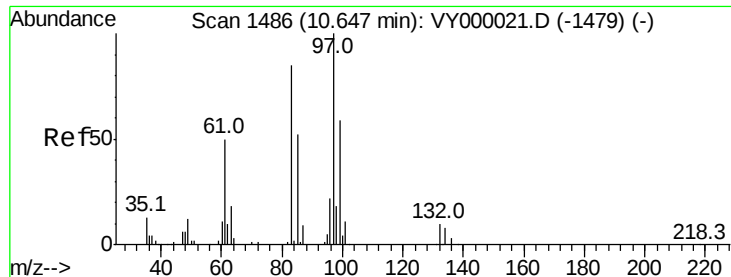


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 3.198 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

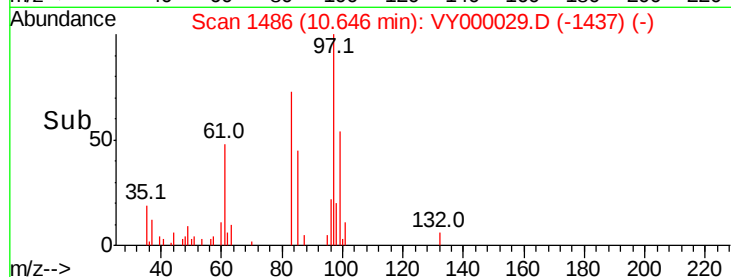
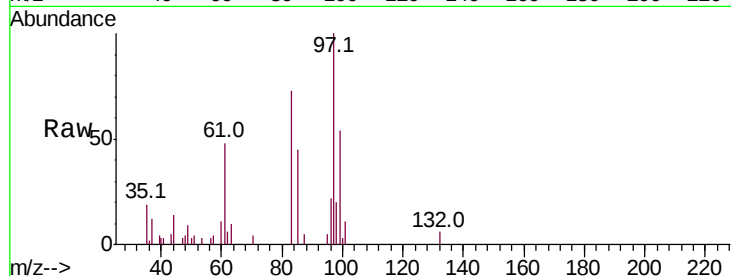
Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 97 Resp: 4384

Ion	Ratio	Lower	Upper
97	100		
83	73.2	68.2	102.2
85	45.2	41.7	62.5
99	54.1	47.3	70.9

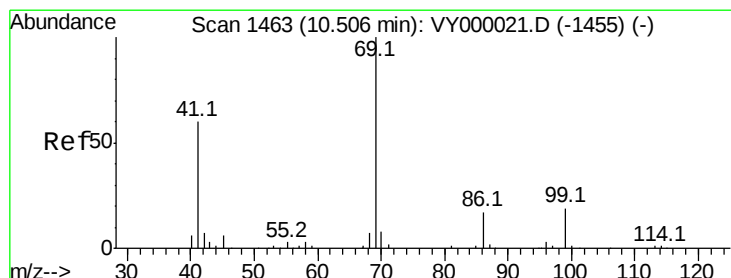
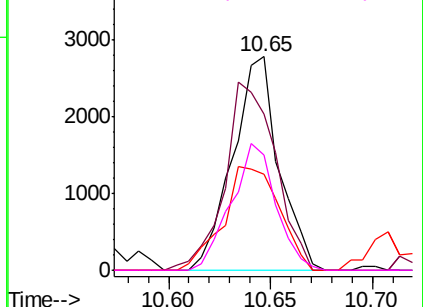


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 3.206 ug/l

RT: 10.51 min Scan# 1464

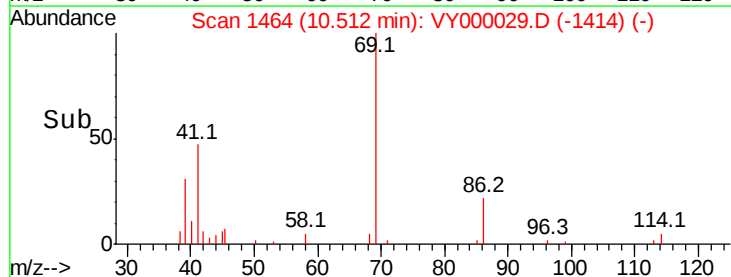
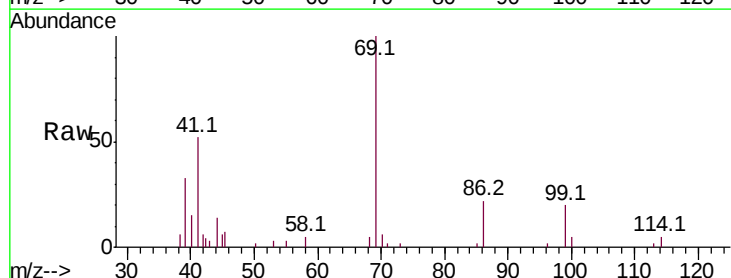
Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion: 69 Resp: 6167

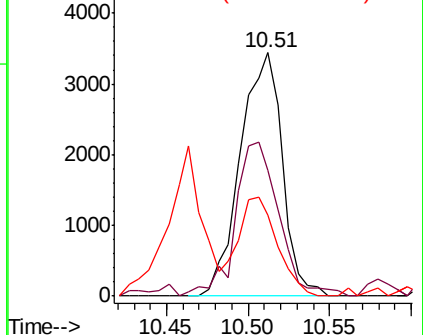
Ion	Ratio	Lower	Upper
69	100		
41	65.3	47.0	70.4
39	38.7	26.4	39.6

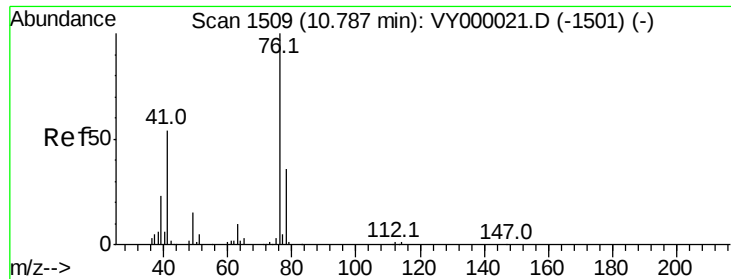


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 3.235 ug/l

RT: 10.78 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

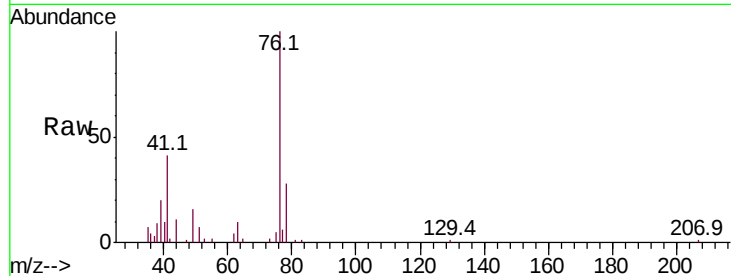
ClientSampleId :

Tot Ion: 76 Resp: 7091

Ion Ratio Lower Upper

76 100

78 33.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

5000

4000

3000

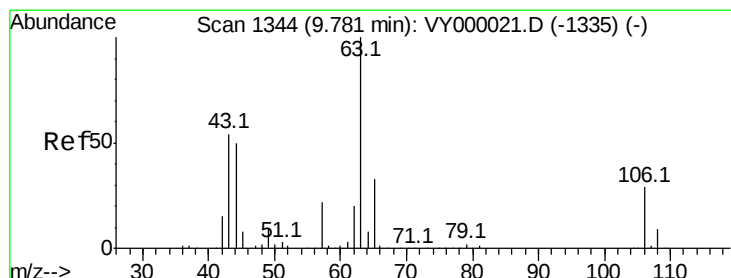
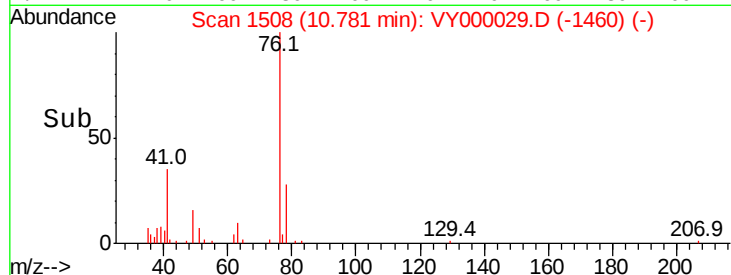
2000

1000

0

10.70 10.75 10.80 10.85

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 17.716 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000029.D

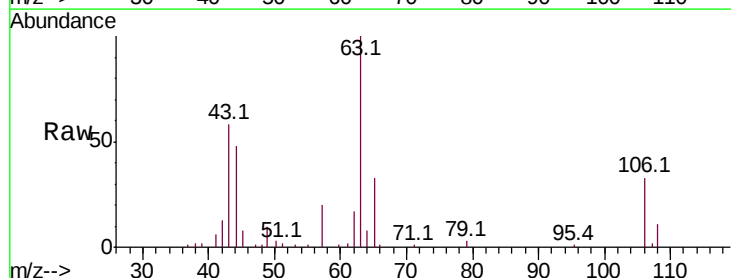
Acq: 12 Sep 2019 16:39

Tgt Ion: 63 Resp: 18668

Ion Ratio Lower Upper

63 100

106 29.8 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

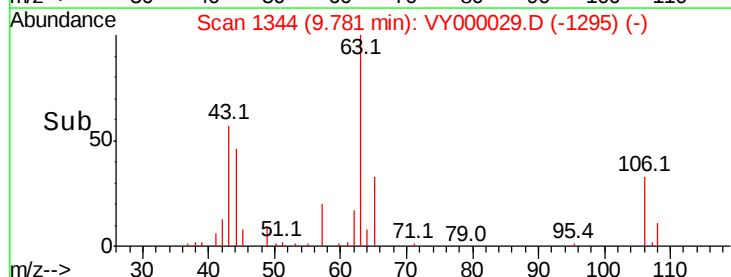
10000

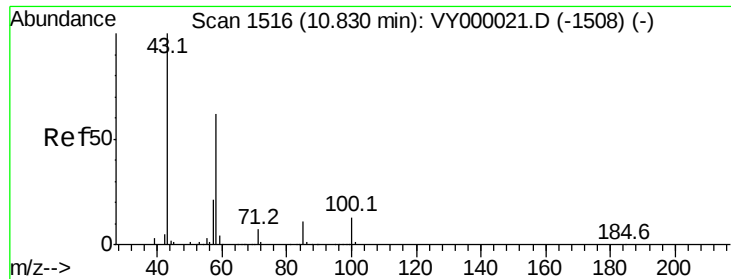
5000

0

9.70 9.75 9.80 9.85

Time-->





#59

2-Hexanone

Concen: 14.823 ug/l

RT: 10.83 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

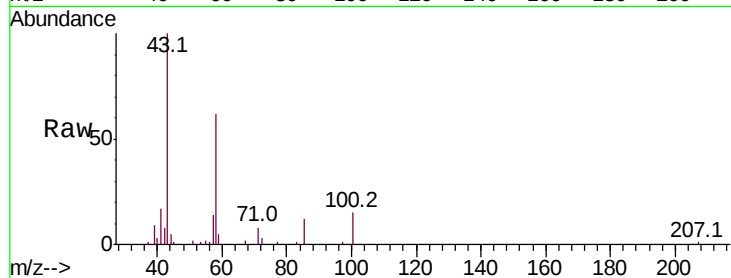
ClientSampled :

Tot Ion: 43 Resp: 14521

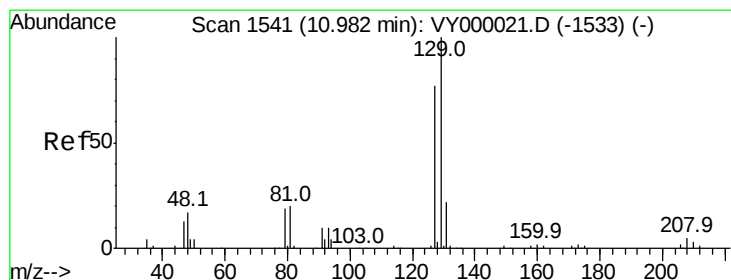
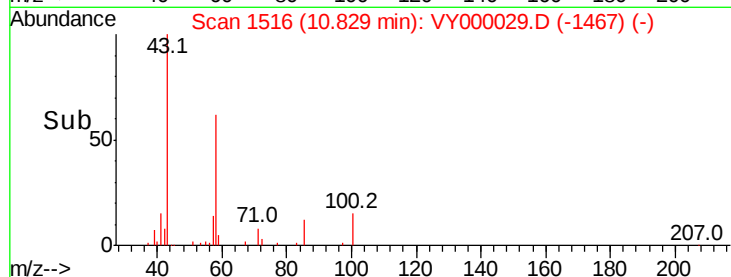
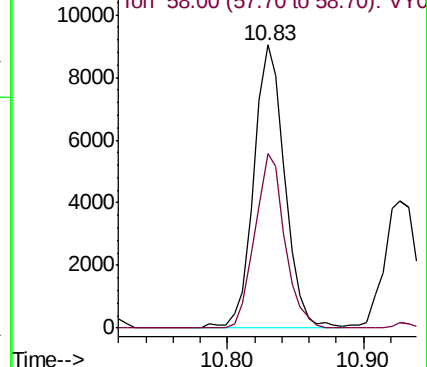
Ion Ratio Lower Upper

43 100

58 59.2 30.3 90.8



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-1508) (-)



#60

Dibromochloromethane

Concen: 2.999 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VY000029.D

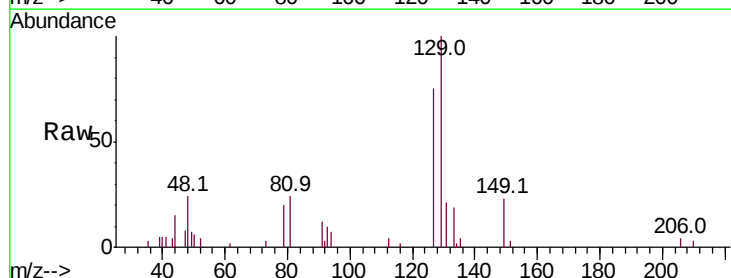
Acq: 12 Sep 2019 16:39

Tgt Ion: 129 Resp: 4331

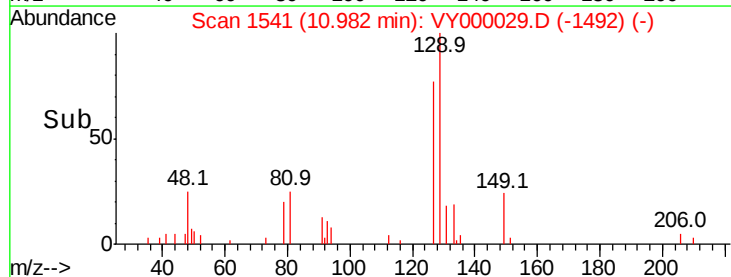
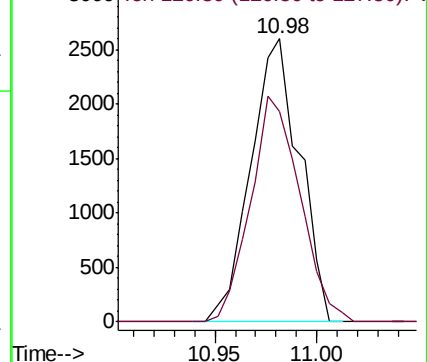
Ion Ratio Lower Upper

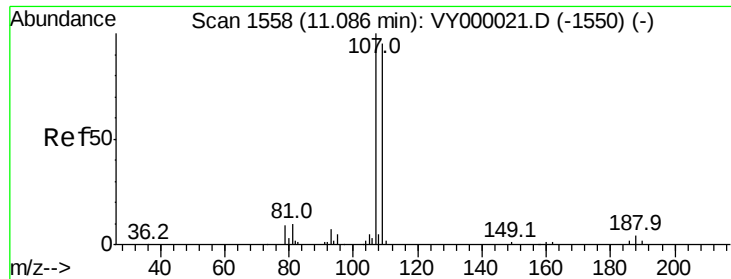
129 100

127 80.8 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): VY000021.D (-1533) (-)





#61

1,2-Dibromoethane

Concen: 3.482 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

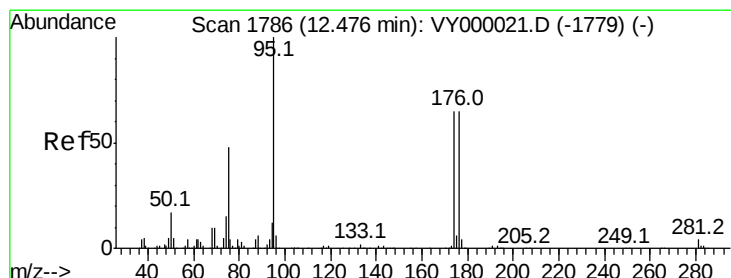
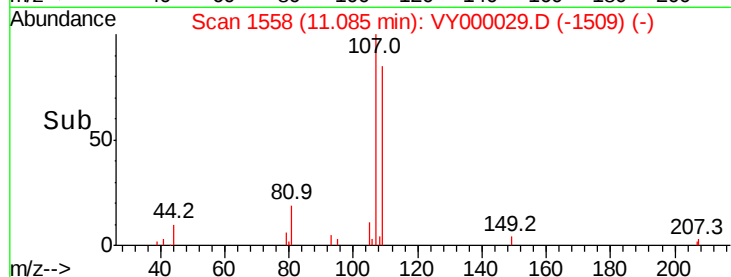
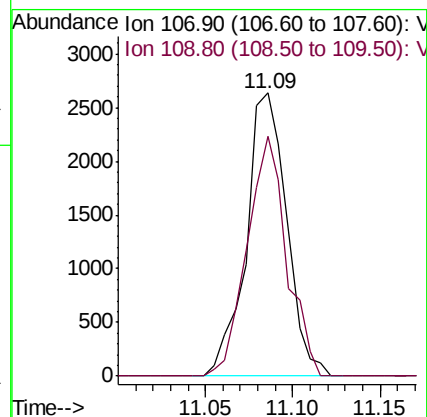
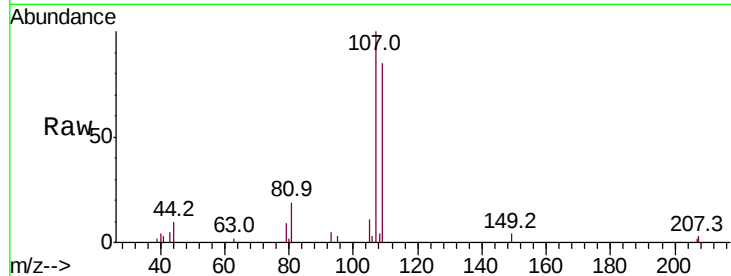
ClientSampleId :

Tot Ion:107 Resp: 4216

Ion Ratio Lower Upper

107 100

109 83.0 76.7 115.1



#62

4-Bromofluorobenzene

Concen: 48.591 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

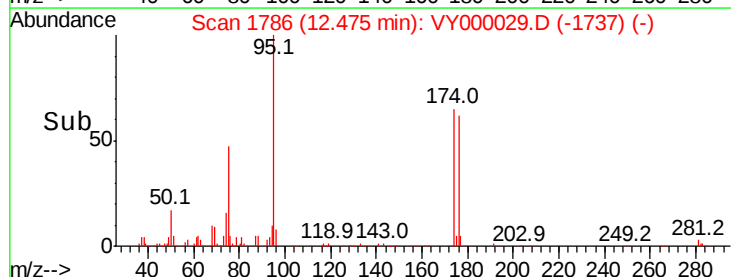
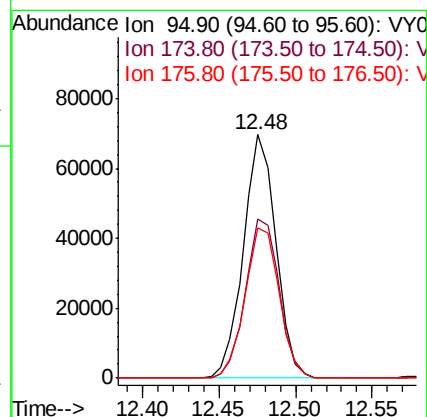
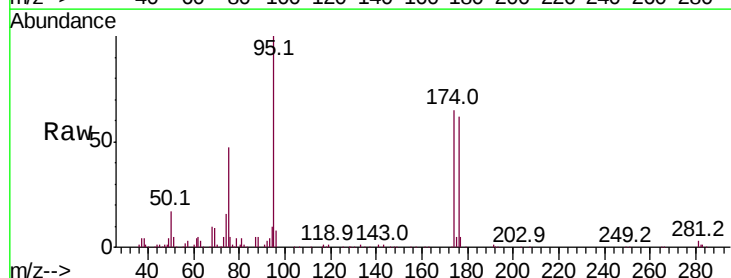
Tgt Ion: 95 Resp: 103151

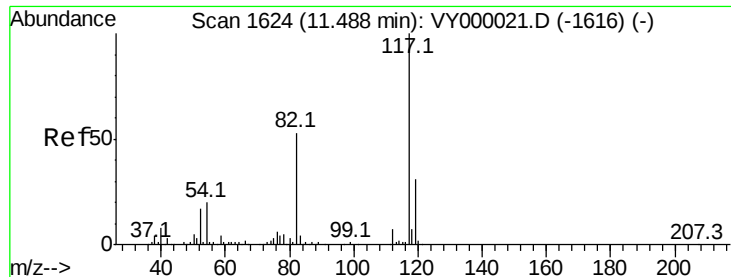
Ion Ratio Lower Upper

95 100

174 67.5 0.0 137.6

176 64.9 0.0 134.8

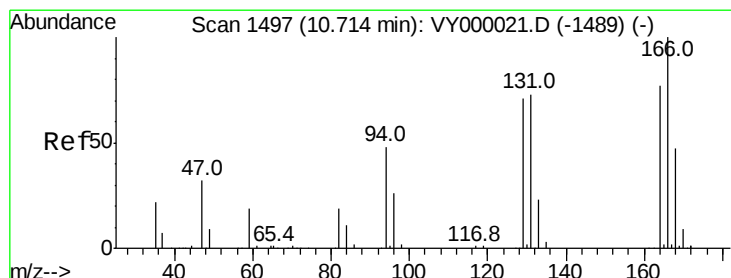
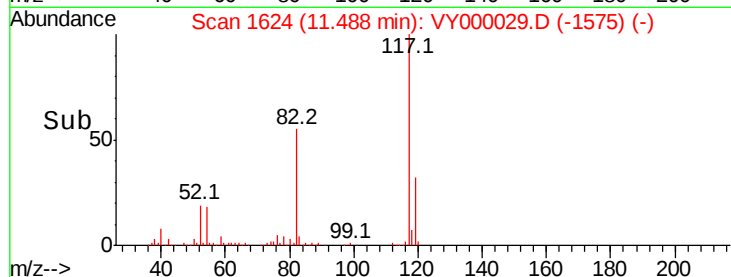
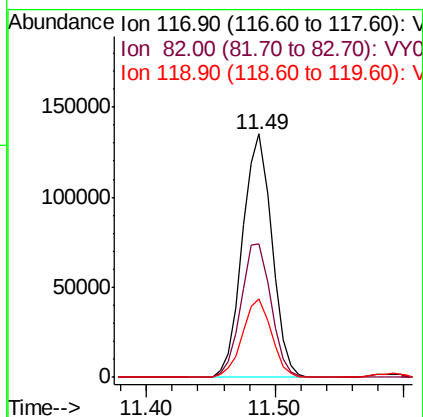
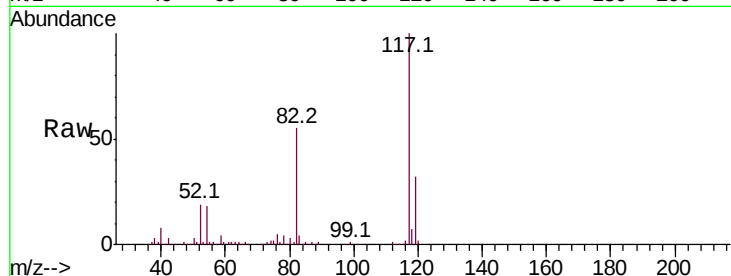




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

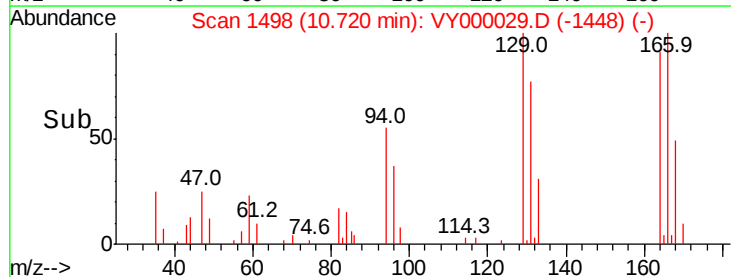
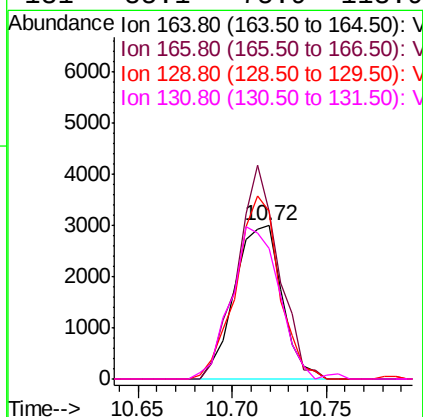
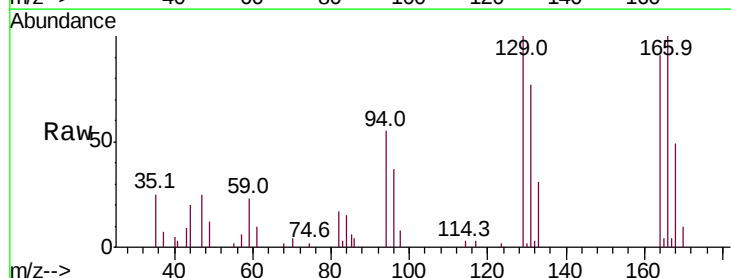
Instrument :
MSVOA_Y
ClientSampleId :

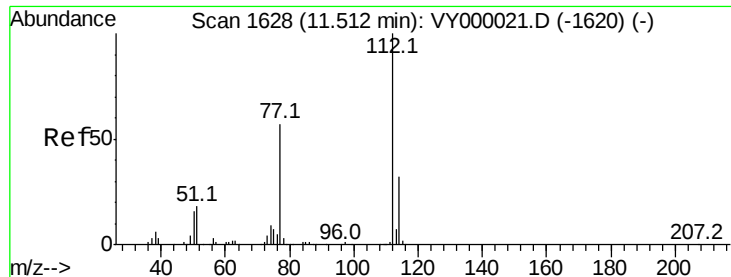
Tot Ion:117 Resp: 213030
Ion Ratio Lower Upper
117 100
82 54.9 42.5 63.7
119 32.0 25.1 37.7



#64
Tetrachloroethene
Concen: 4.014 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:164 Resp: 5244
Ion Ratio Lower Upper
164 100
166 110.0 103.4 155.0
129 109.5 73.4 110.0
131 85.1 75.9 113.9

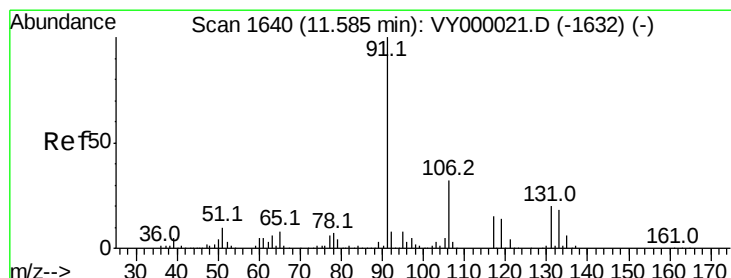
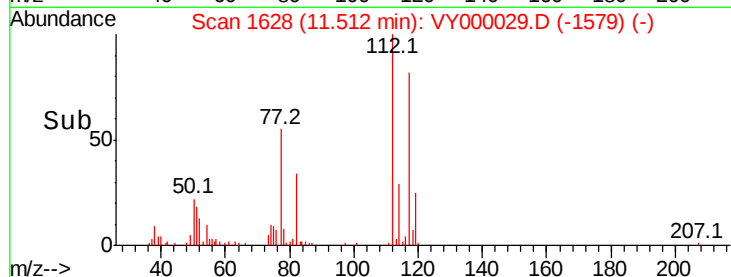
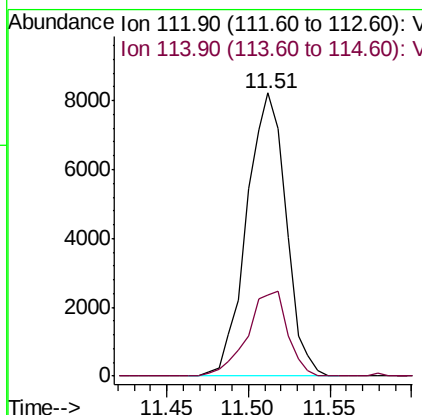
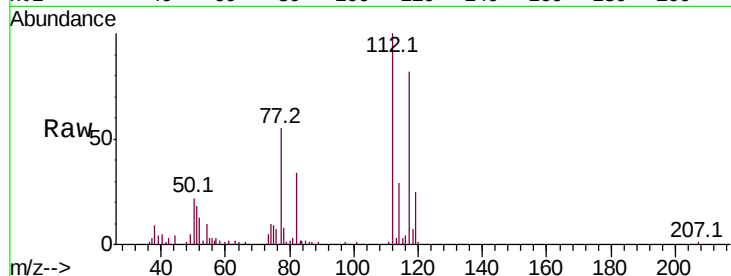




#65
Chlorobenzene
Concen: 3.407 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

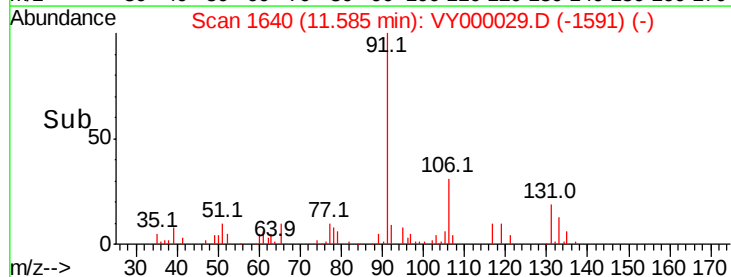
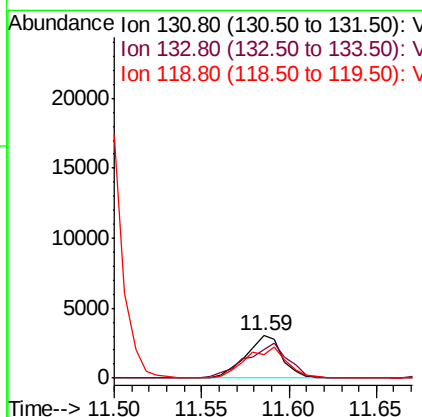
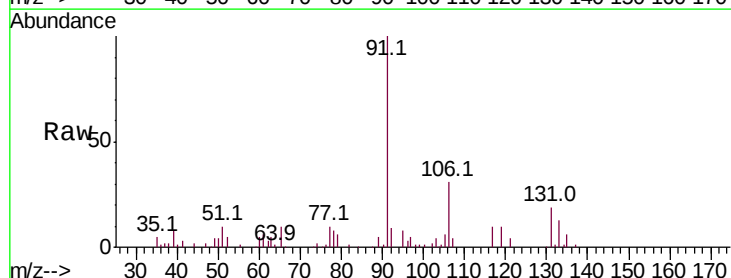
Instrument :
MSVOA_Y
ClientSampled :

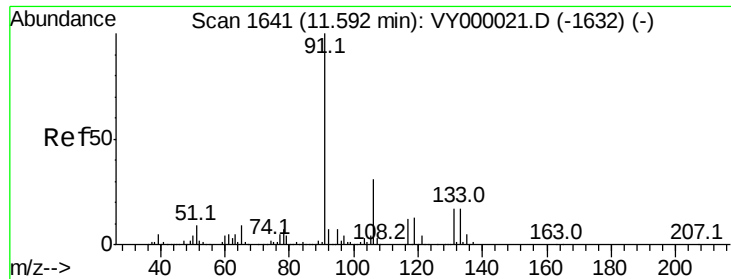
Tot Ion:112 Resp: 13829
Ion Ratio Lower Upper
112 100
114 28.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 3.193 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:131 Resp: 4491
Ion Ratio Lower Upper
131 100
133 92.4 47.2 141.6
119 80.2 35.4 106.3





#67

Ethyl Benzene

Concen: 3.492 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

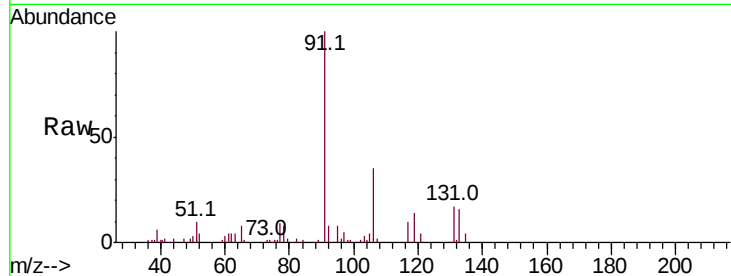
ClientSampled :

Tot Ion: 91 Resp: 25750

Ion Ratio Lower Upper

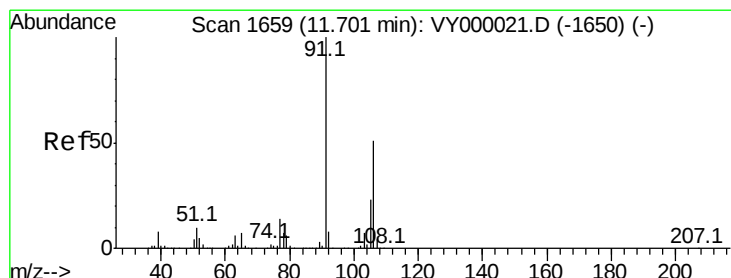
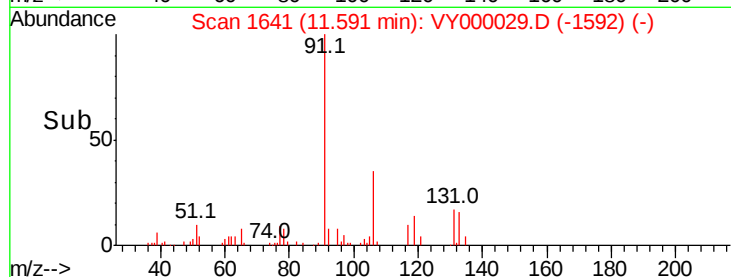
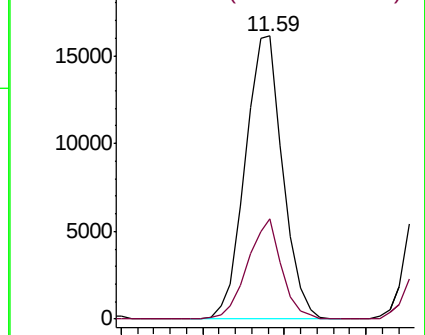
91 100

106 35.3 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: 6.912 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000029.D

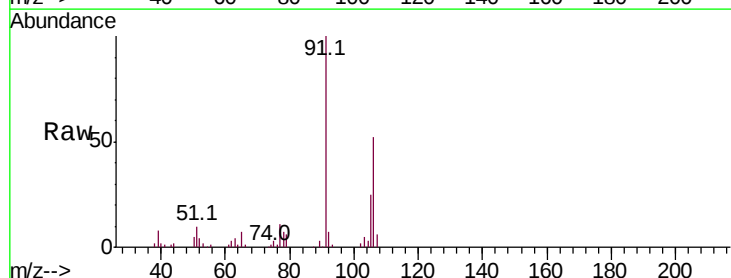
Acq: 12 Sep 2019 16:39

Tgt Ion:106 Resp: 19235

Ion Ratio Lower Upper

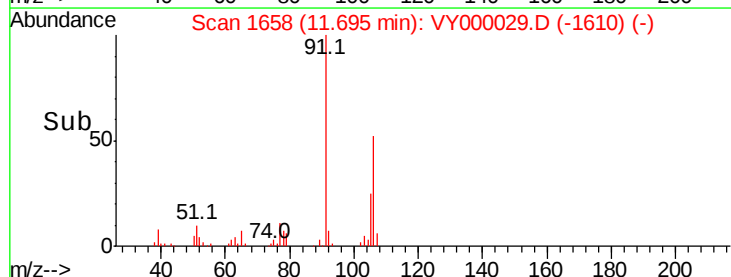
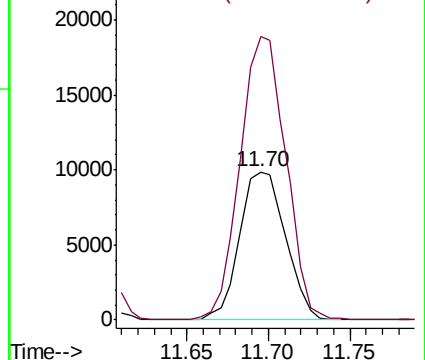
106 100

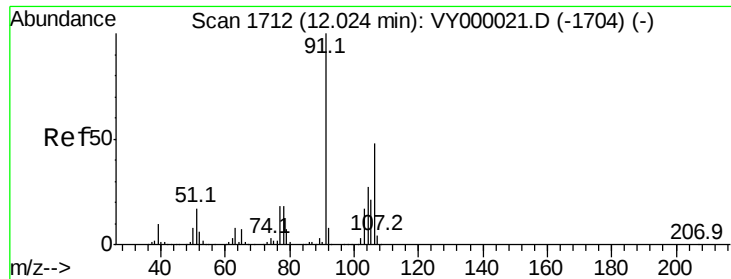
91 191.5 158.5 237.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

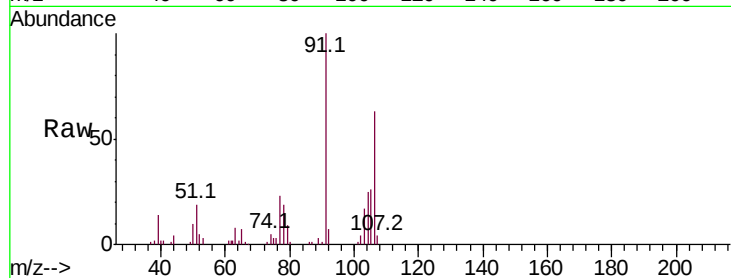




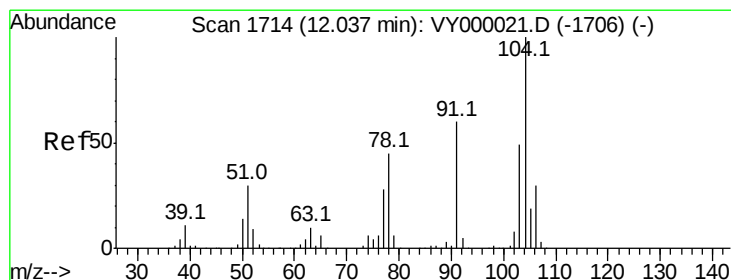
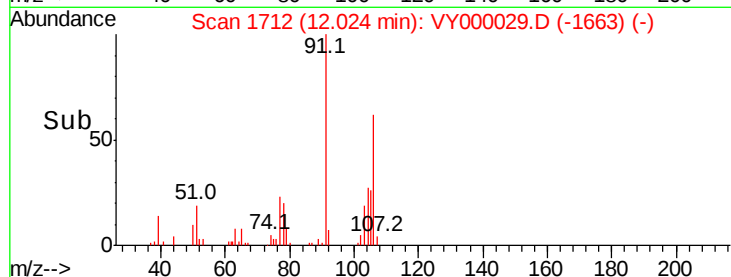
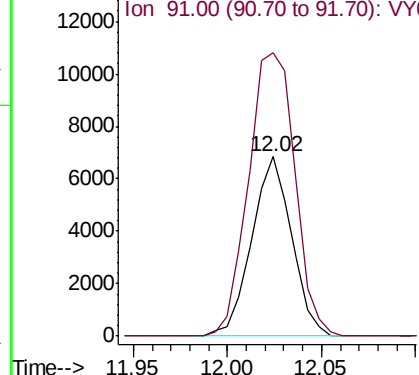
#69
o-Xylene
Concen: 3.692 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 10069
Ion Ratio Lower Upper
106 100
91 183.1 104.0 312.0

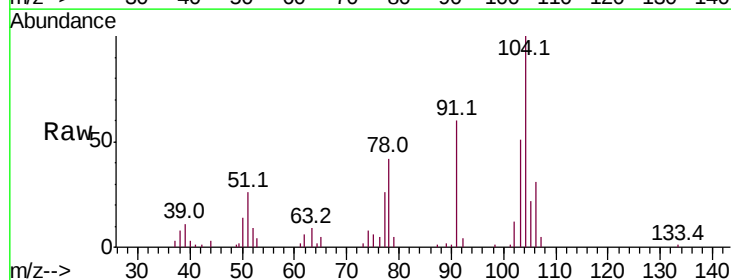


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

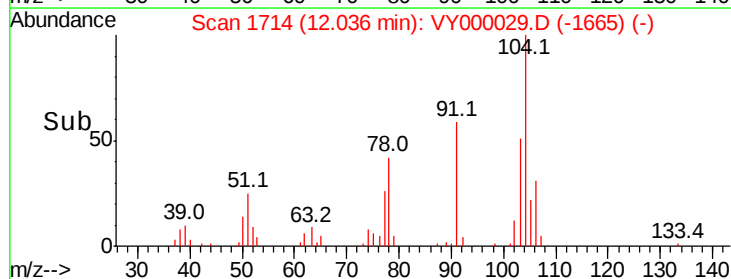
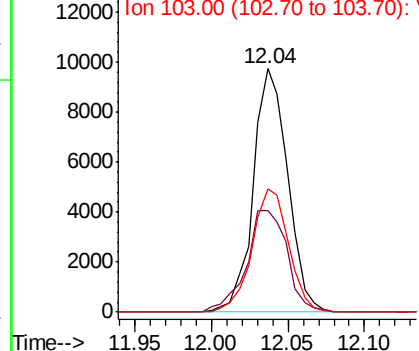


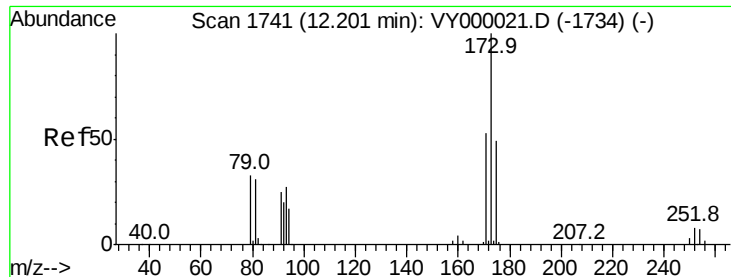
#70
Styrene
Concen: 3.209 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:104 Resp: 15227
Ion Ratio Lower Upper
104 100
78 49.5 38.0 57.0
103 54.1 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: 2.903 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

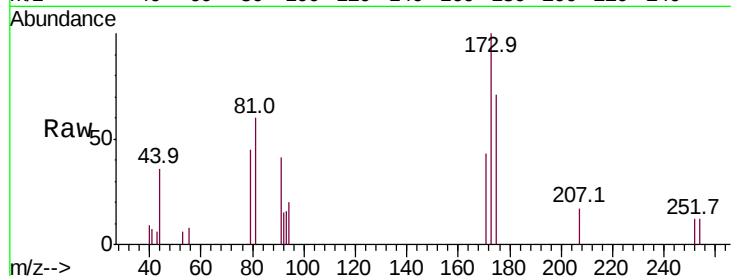
Tot Ion:173 Resp: 2465

Ion Ratio Lower Upper

173 100

175 55.5 25.1 75.4

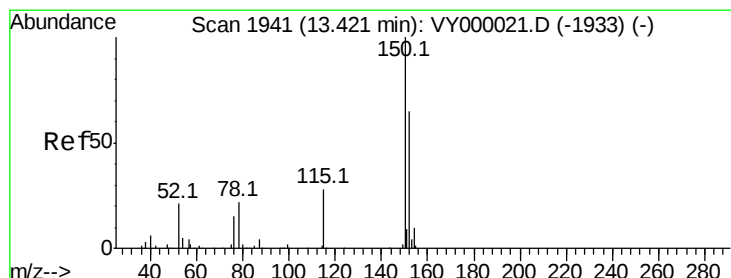
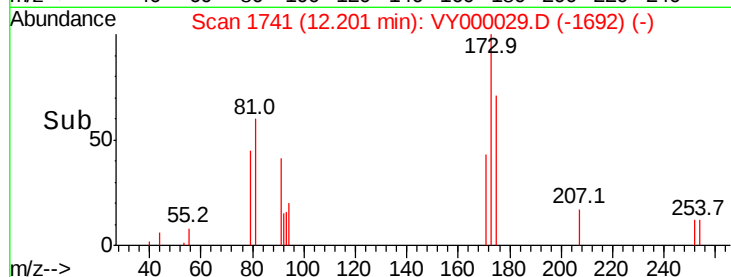
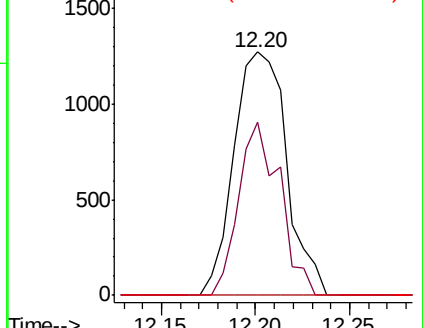
254 0.0 0.0 0.0



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: VY000029.D

Acq: 12 Sep 2019 16:39

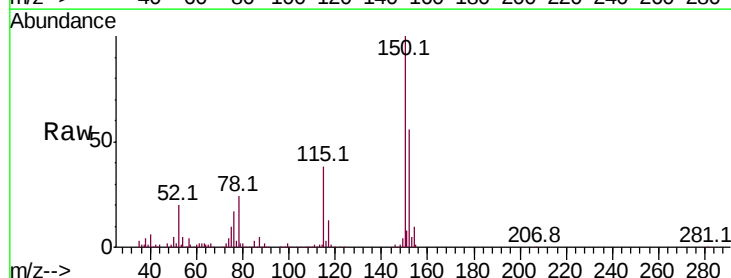
Tgt Ion:152 Resp: 90978

Ion Ratio Lower Upper

152 100

115 63.8 29.4 88.2

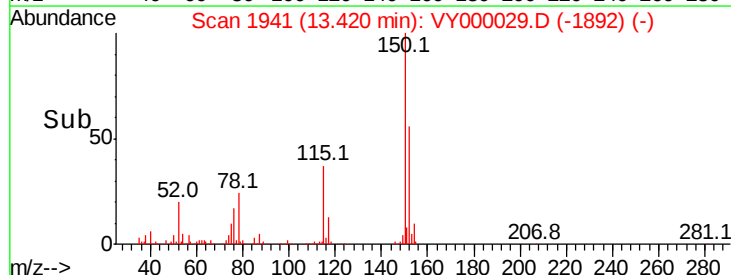
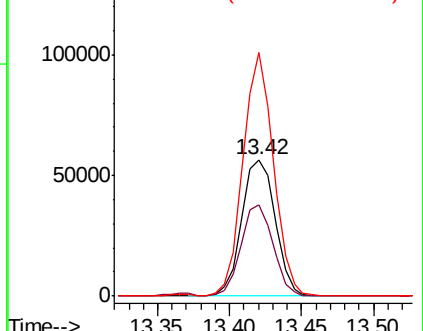
150 161.7 0.0 349.0

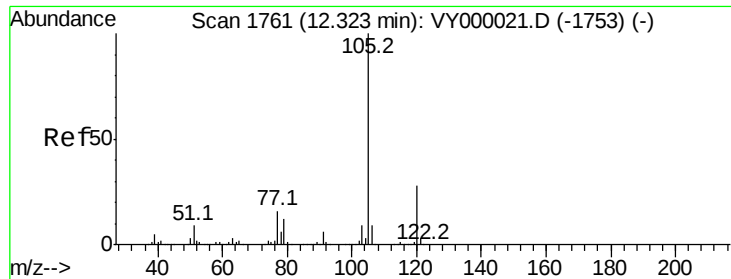


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.269 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

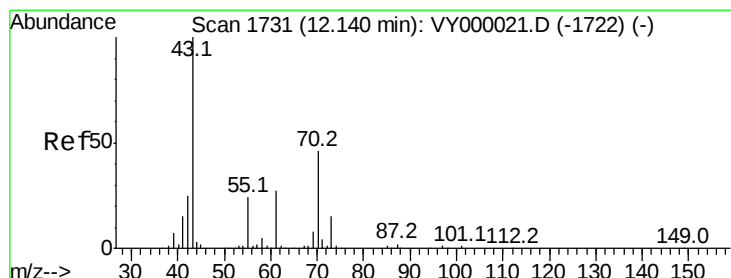
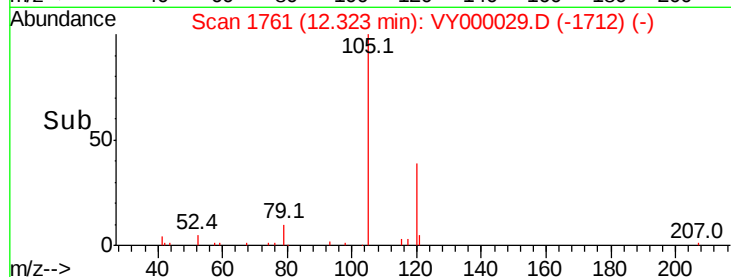
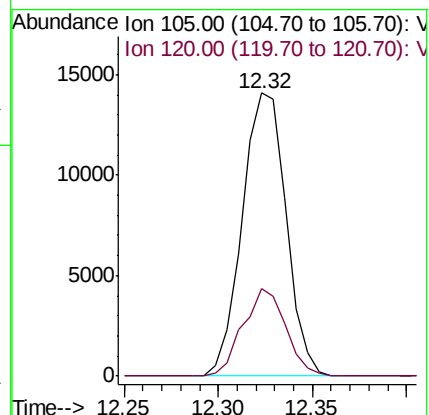
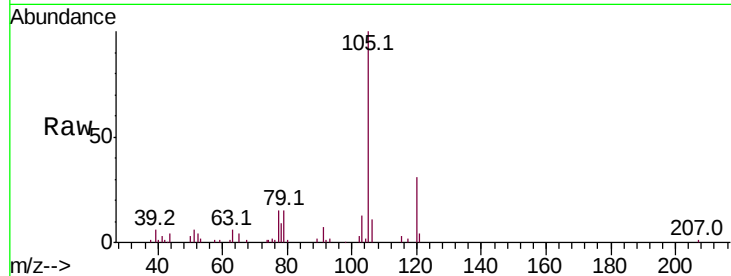
ClientSampleId :

Tot Ion:105 Resp: 22723

Ion Ratio Lower Upper

105 100

120 30.1 13.9 41.6



#74

N-ethyl acetate

Concen: 2.820 ug/l

RT: 12.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion: 43 Resp: 5786

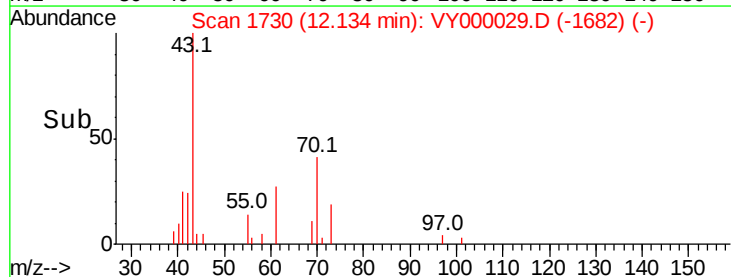
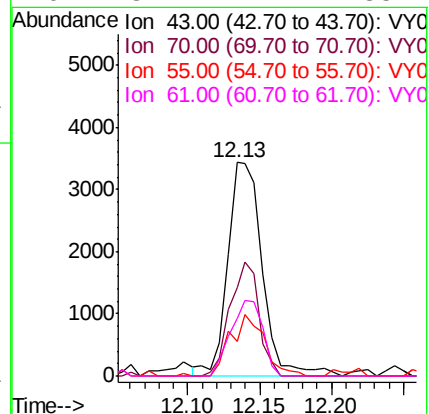
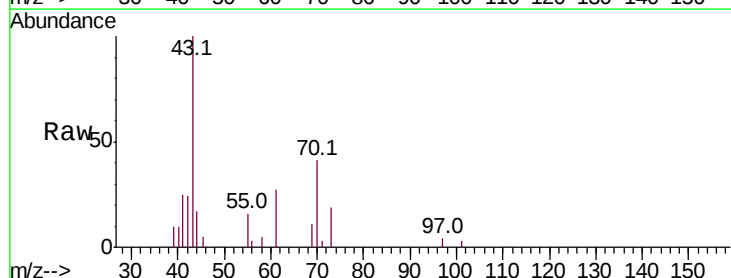
Ion Ratio Lower Upper

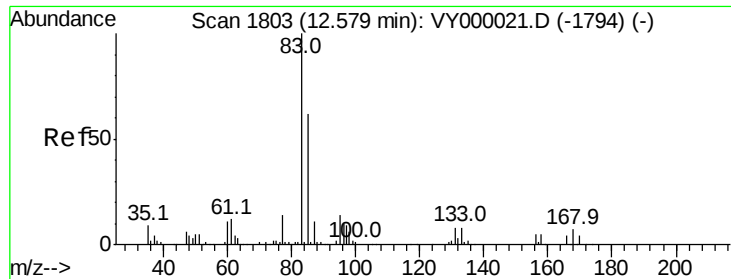
43 100

70 44.7 38.1 57.1

55 28.2 18.7 28.1#

61 32.7 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.951 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

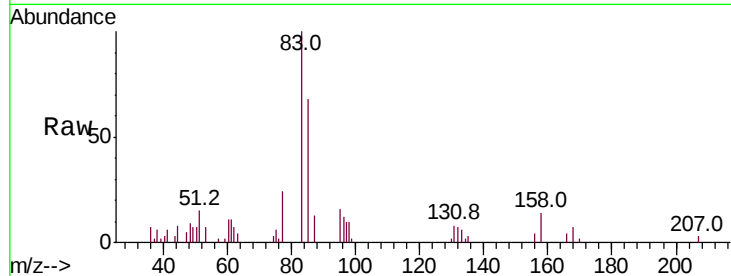
Tot Ion: 83 Resp: 4904

Ion Ratio Lower Upper

83 100

131 6.5 4.6 13.8

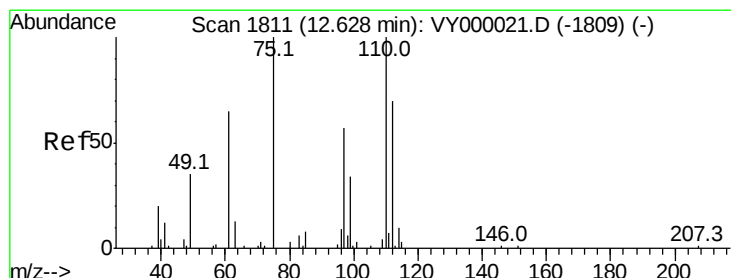
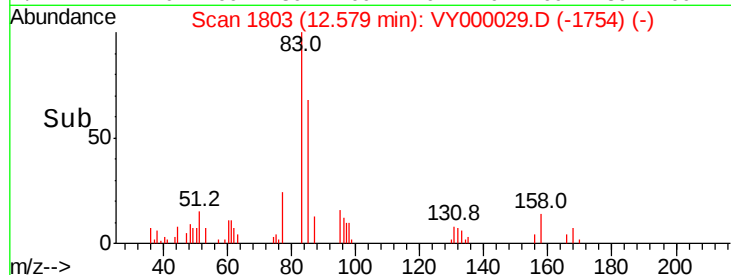
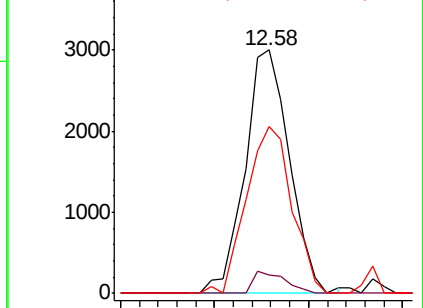
85 69.9 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 6.034 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VY000029.D

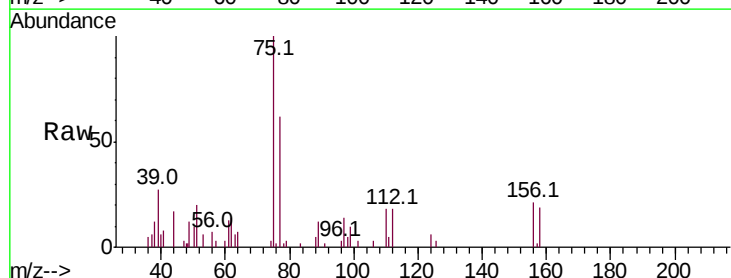
Acq: 12 Sep 2019 16:39

Tgt Ion: 75 Resp: 7625

Ion Ratio Lower Upper

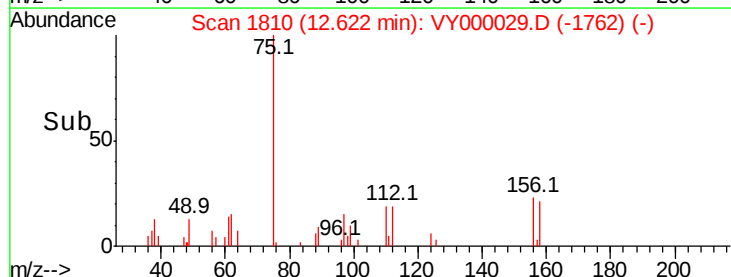
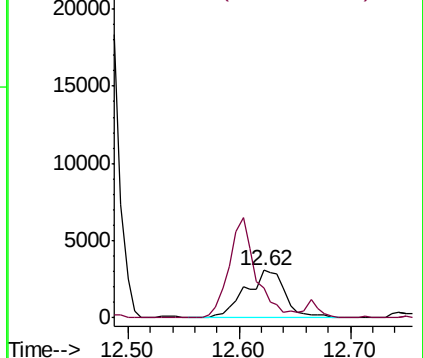
75 100

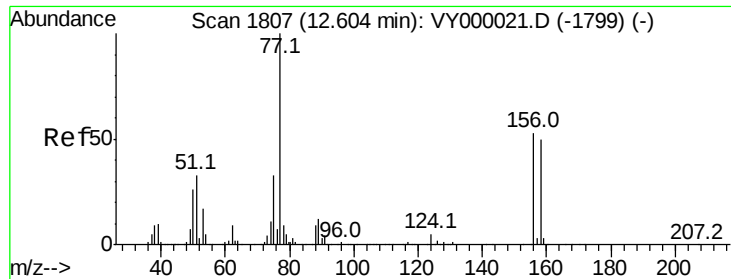
77 144.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 3.574 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

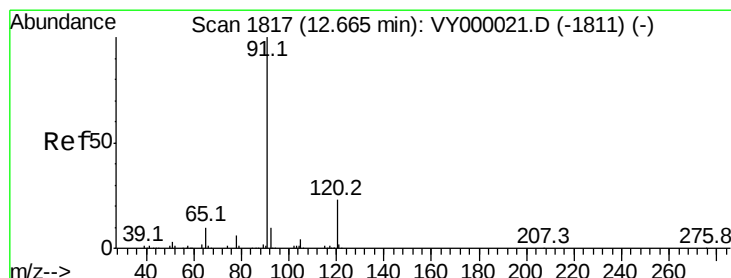
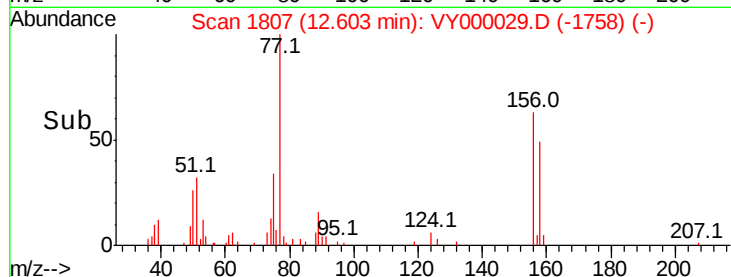
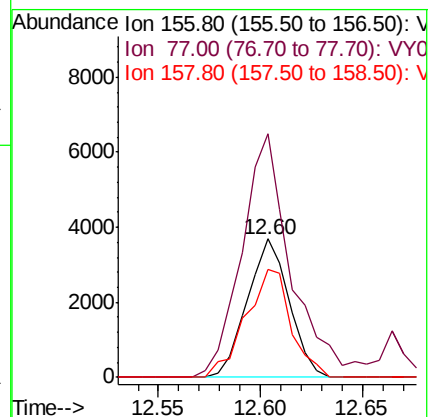
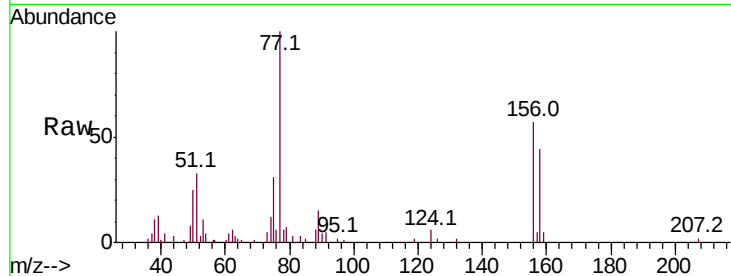
Tot Ion:156 Resp: 5255

Ion Ratio Lower Upper

156 100

77 209.1 106.0 317.9

158 84.6 47.3 141.9



#78

n-propylbenzene

Concen: 3.333 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000029.D

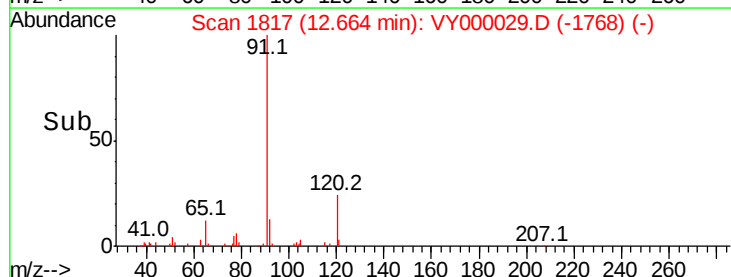
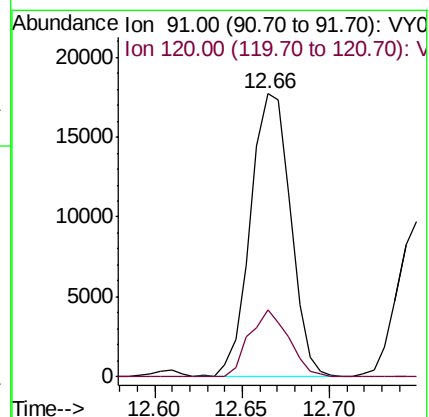
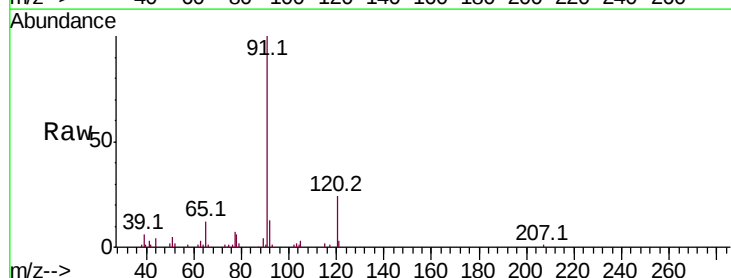
Acq: 12 Sep 2019 16:39

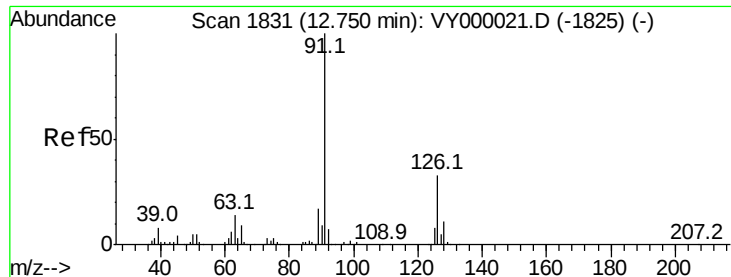
Tgt Ion: 91 Resp: 28313

Ion Ratio Lower Upper

91 100

120 23.3 11.6 34.7





#79

2-Chlorotoluene

Concen: 3.410 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

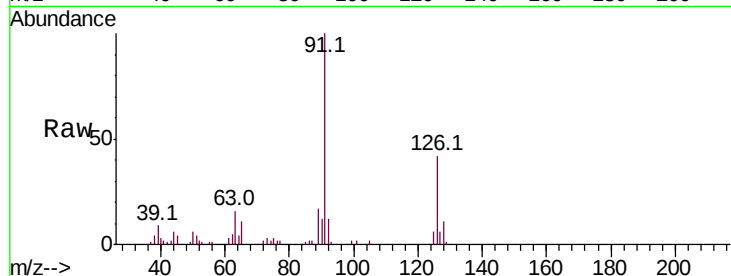
ClientSampled :

Tot Ion: 91 Resp: 16199

Ion Ratio Lower Upper

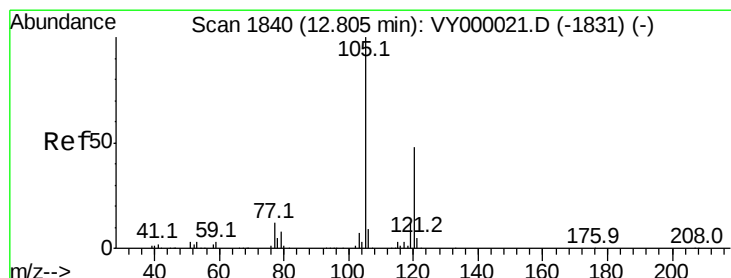
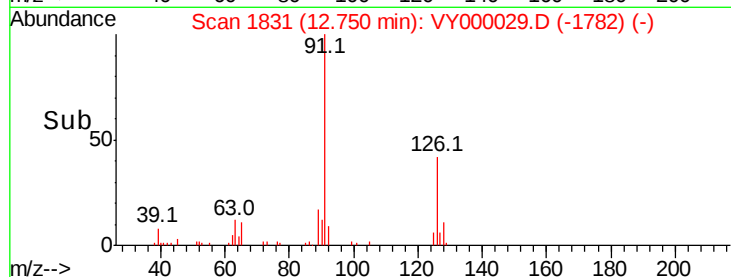
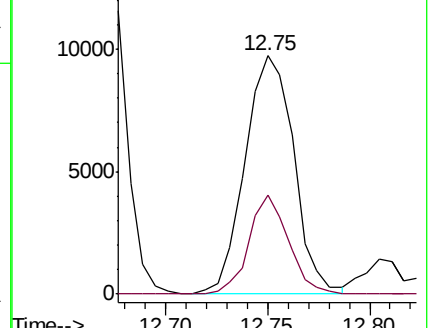
91 100

126 33.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000021.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.324 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000029.D

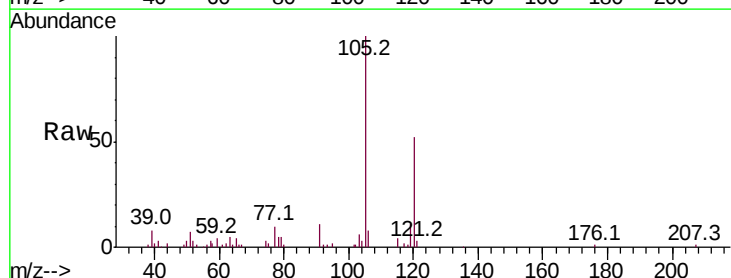
Acq: 12 Sep 2019 16:39

Tgt Ion:105 Resp: 19294

Ion Ratio Lower Upper

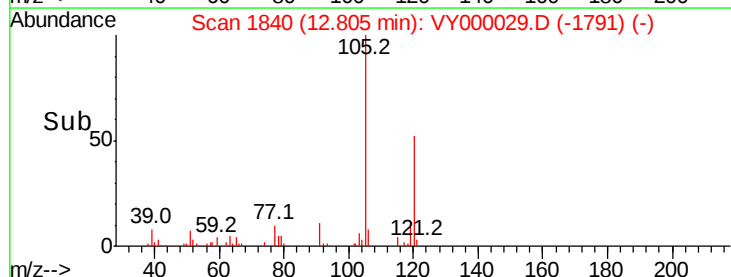
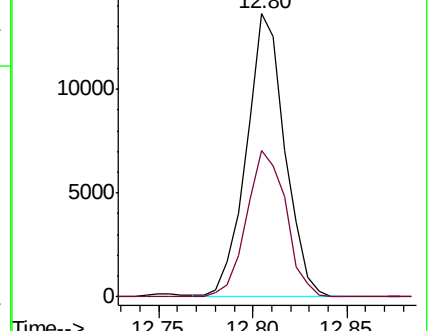
105 100

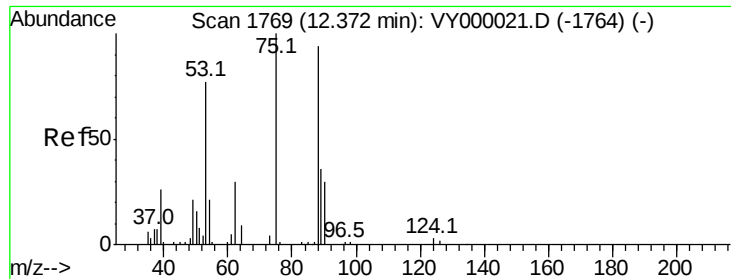
120 52.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000021.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000021.D (-1831) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.215 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

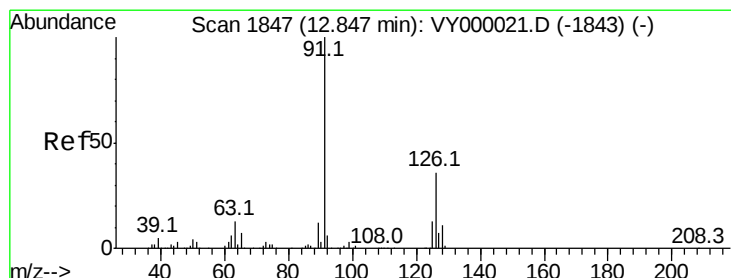
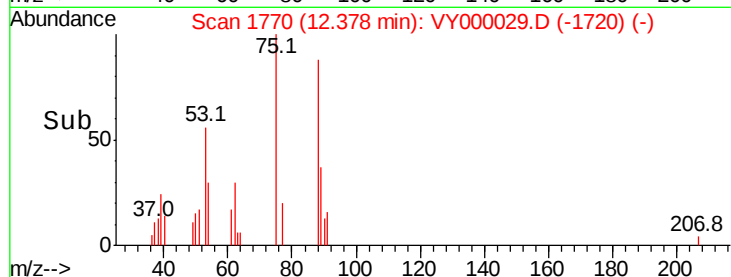
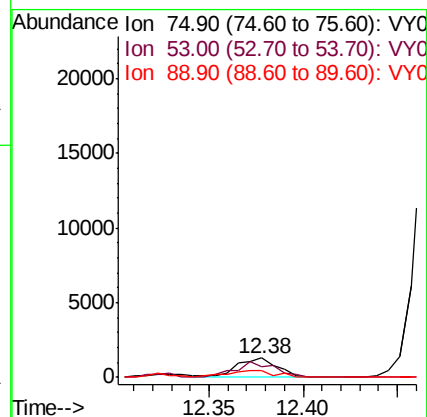
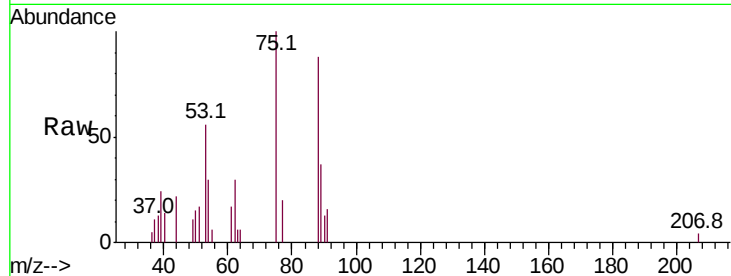
Tot Ion: 75 Resp: 2048

Ion Ratio Lower Upper

75 100

53 76.5 64.2 96.2

89 40.0 35.5 53.3



#82

4-Chlorotoluene

Concen: 3.436 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000029.D

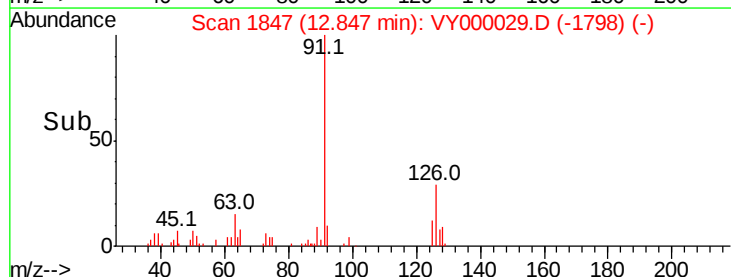
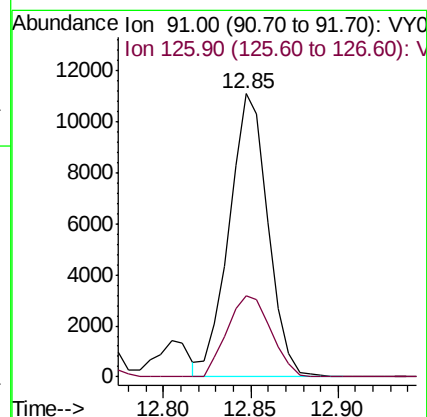
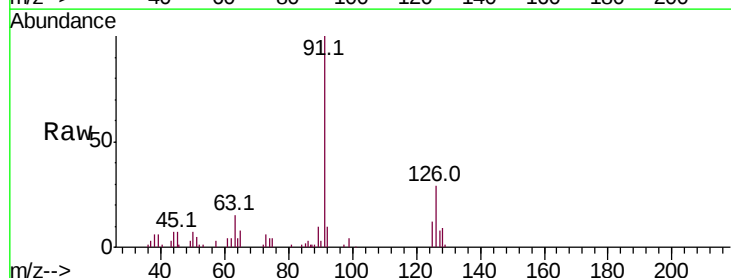
Acq: 12 Sep 2019 16:39

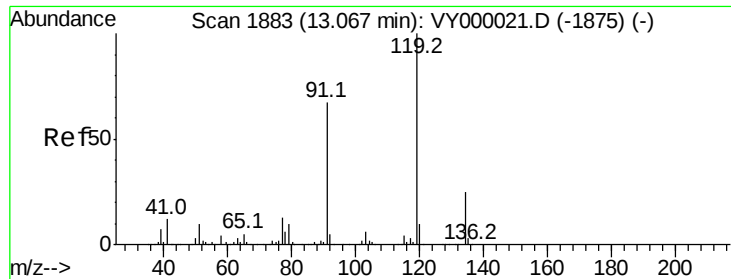
Tgt Ion: 91 Resp: 17131

Ion Ratio Lower Upper

91 100

126 32.3 17.2 51.5





#83

tert-Butylbenzene

Concen: 3.372 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

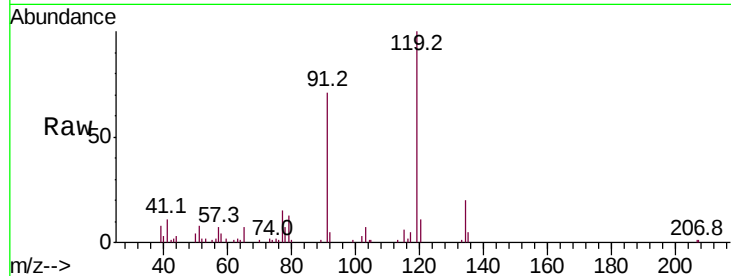
Tot Ion:119 Resp: 16819

Ion Ratio Lower Upper

119 100

91 69.2 33.1 99.5

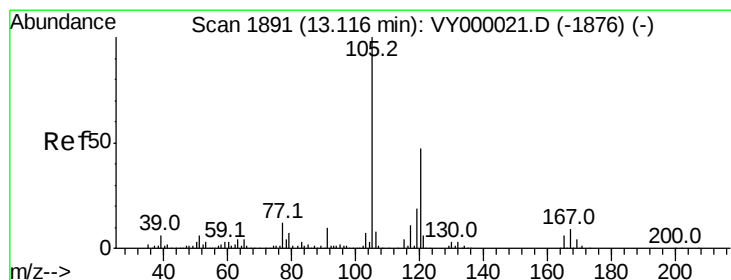
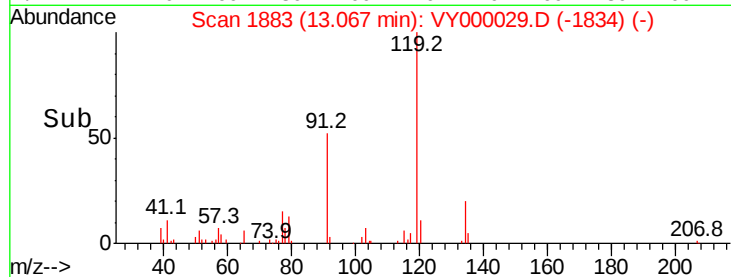
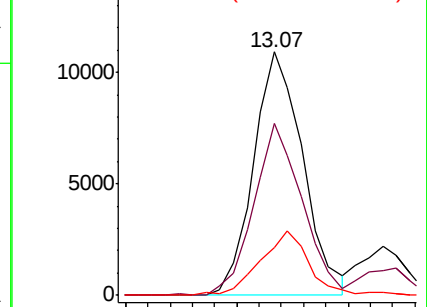
134 26.5 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.340 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000029.D

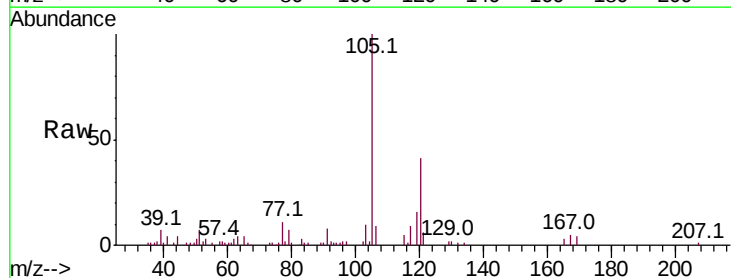
Acq: 12 Sep 2019 16:39

Tgt Ion:105 Resp: 19149

Ion Ratio Lower Upper

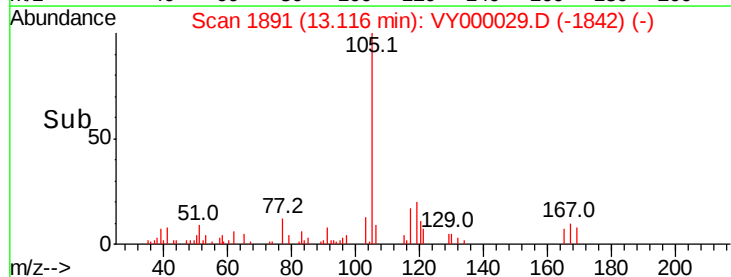
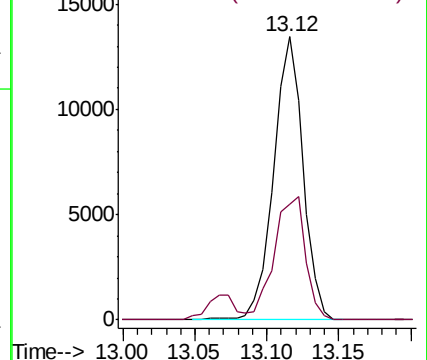
105 100

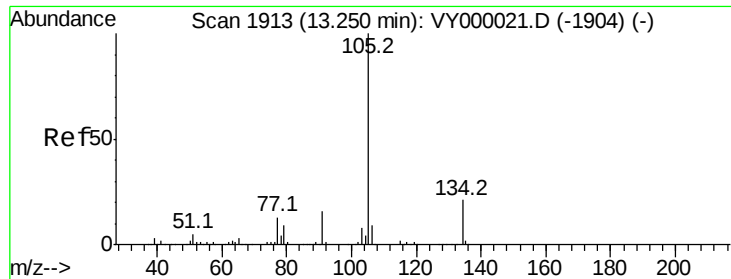
120 46.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.349 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

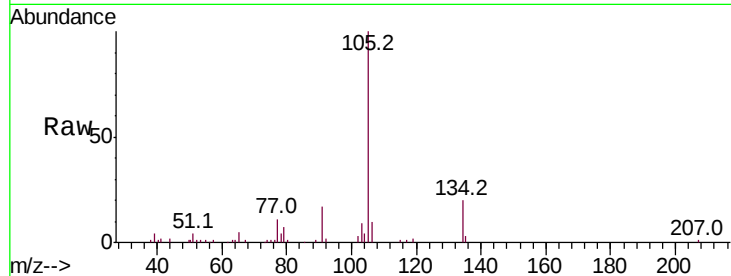
ClientSampleId :

Tot Ion:105 Resp: 24650

Ion Ratio Lower Upper

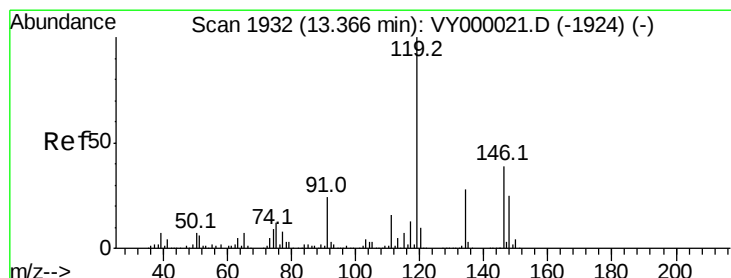
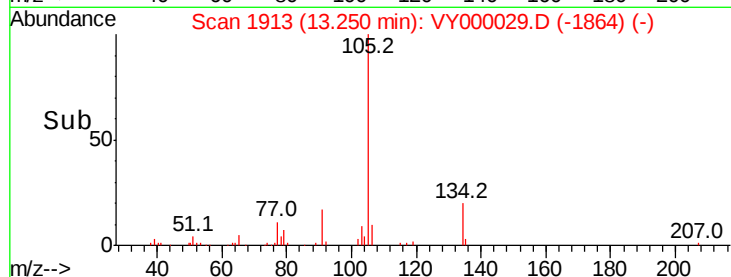
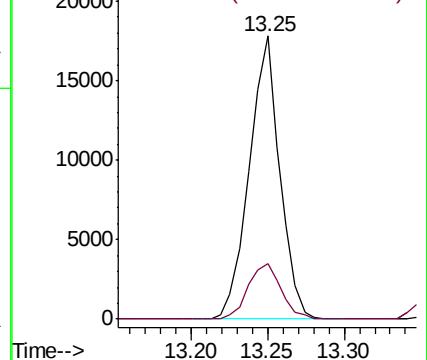
105 100

134 21.0 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: 3.294 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

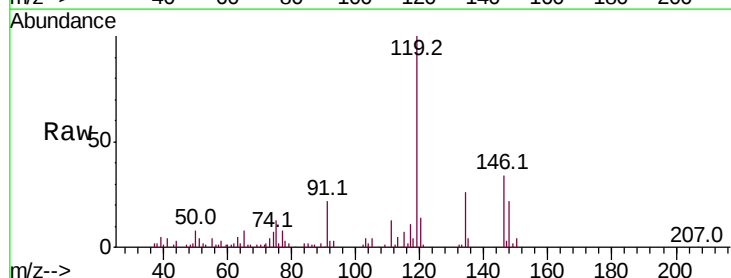
Tgt Ion:119 Resp: 20564

Ion Ratio Lower Upper

119 100

134 27.7 13.8 41.3

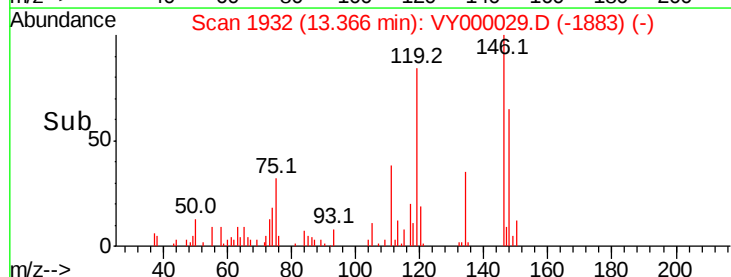
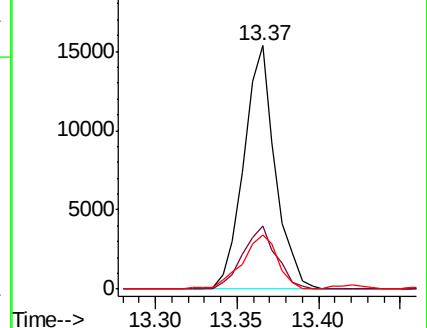
91 25.5 12.4 37.2

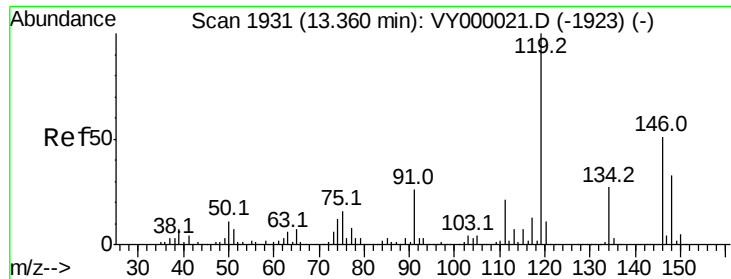


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

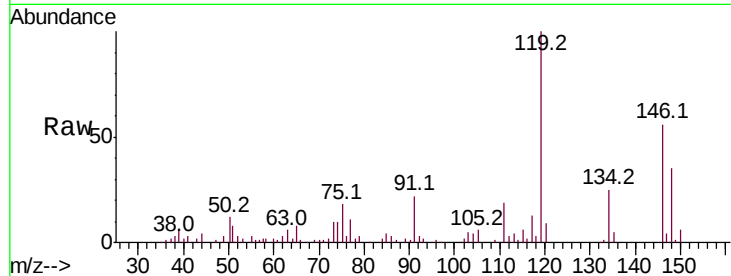




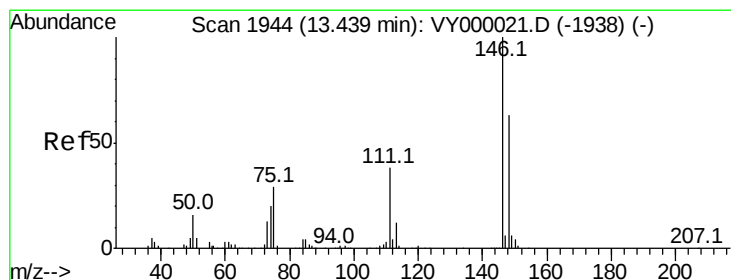
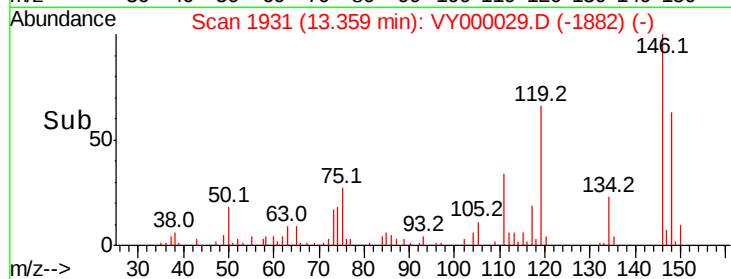
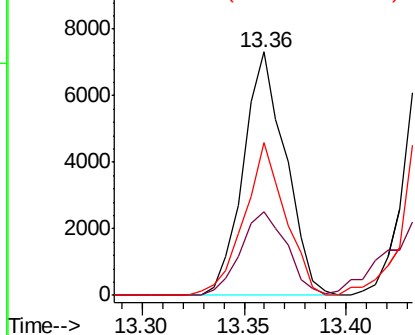
#87
 1,3-Dichlorobenzene
 Concen: 3.566 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:146 Resp: 10552
 Ion Ratio Lower Upper
 146 100
 111 37.3 21.2 63.6
 148 60.9 32.1 96.5

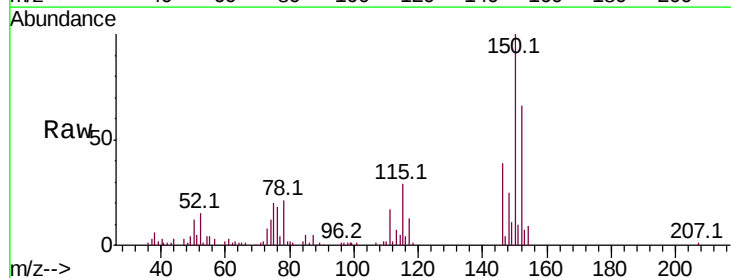


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

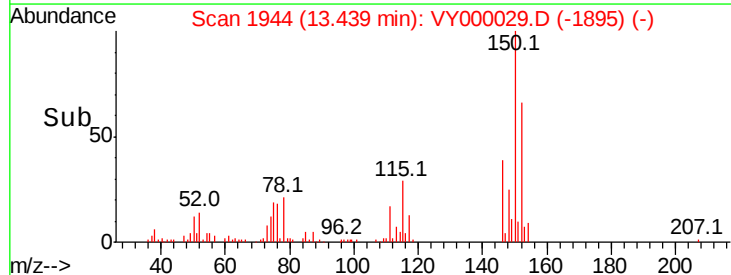
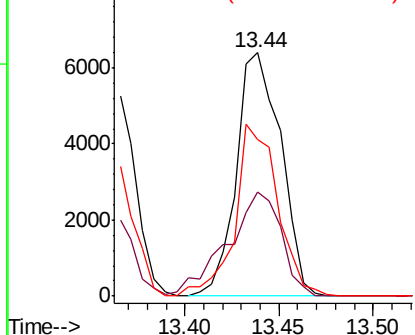


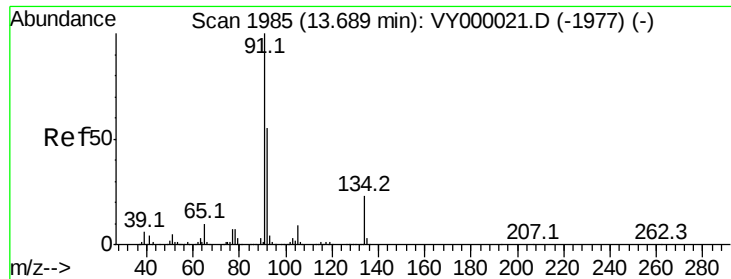
#88
 1,4-Dichlorobenzene
 Concen: 3.521 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion:146 Resp: 10485
 Ion Ratio Lower Upper
 146 100
 111 52.0 20.3 60.9
 148 67.6 31.7 95.1



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





#89

n-Butylbenzene

Concen: 3.294 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

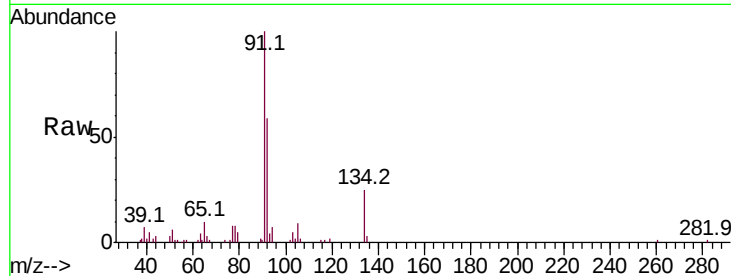
Tot Ion: 91 Resp: 20841

Ion Ratio Lower Upper

91 100

92 55.0 27.2 81.6

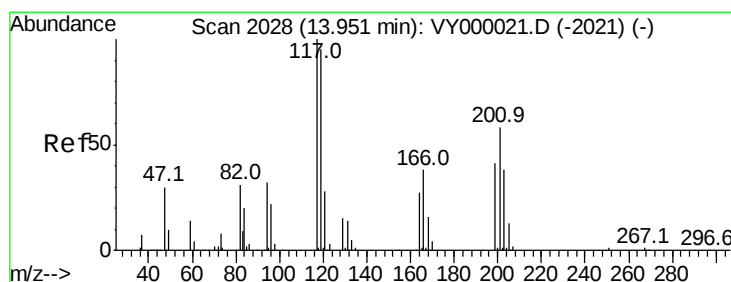
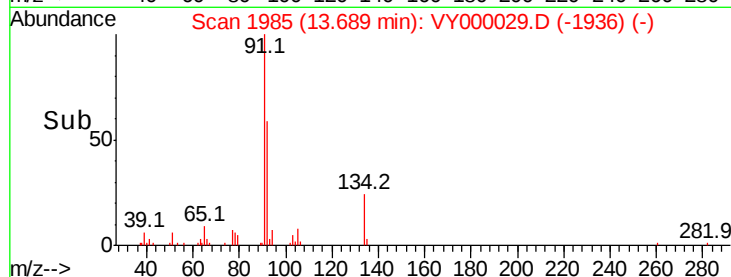
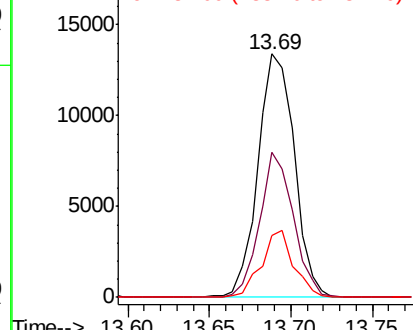
134 24.1 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VY000021.D (-1977) (-)

Ion 134.00 (133.70 to 134.70): VY000021.D (-1977) (-)



#90

Hexachloroethane

Concen: 3.386 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VY000029.D

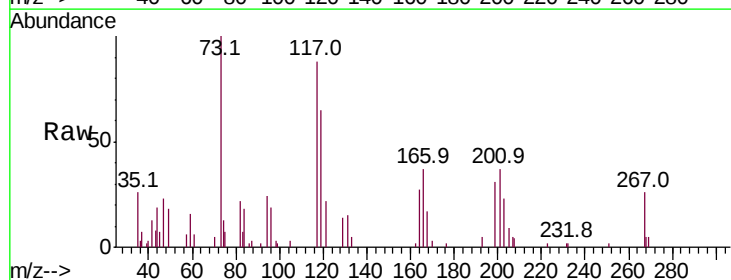
Acq: 12 Sep 2019 16:39

Tgt Ion: 117 Resp: 4225

Ion Ratio Lower Upper

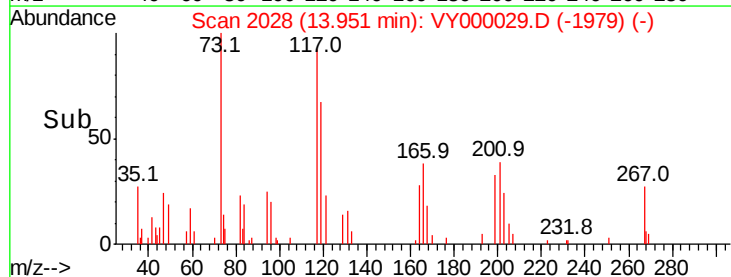
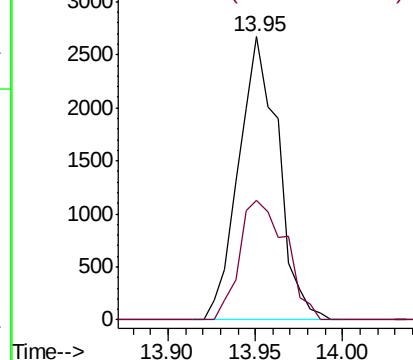
117 100

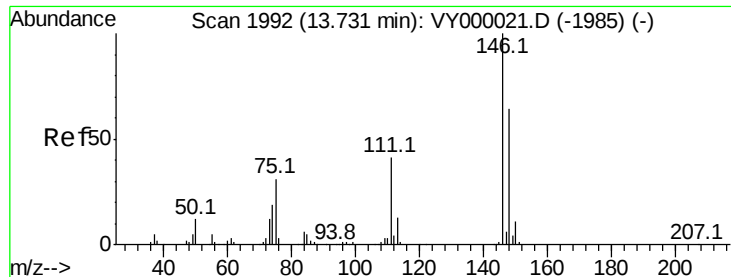
201 49.1 31.4 94.0



Abundance Ion 116.80 (116.50 to 117.50): VY000021.D (-2021) (-)

Ion 200.70 (200.40 to 201.40): VY000021.D (-2021) (-)

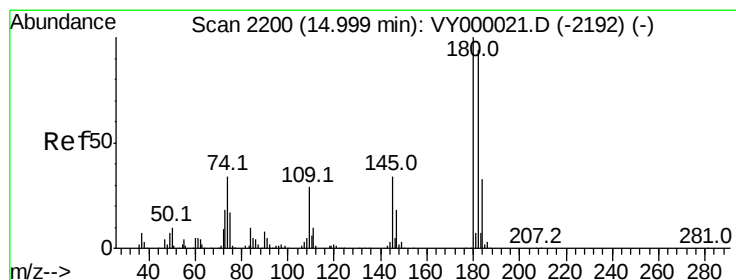
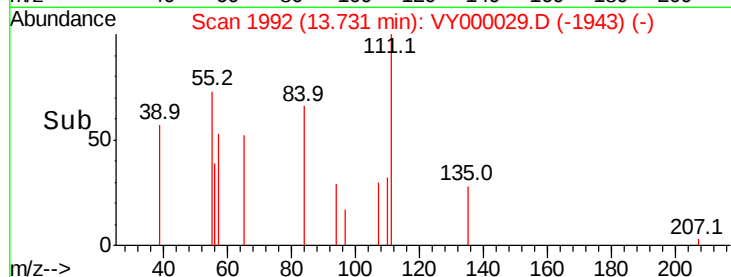
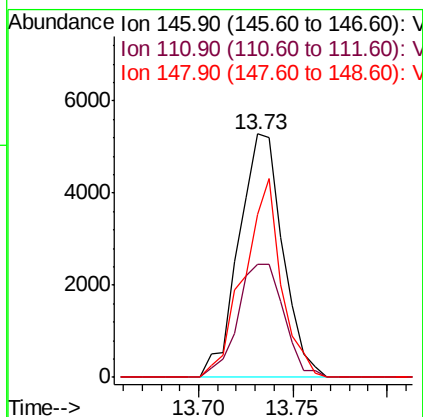
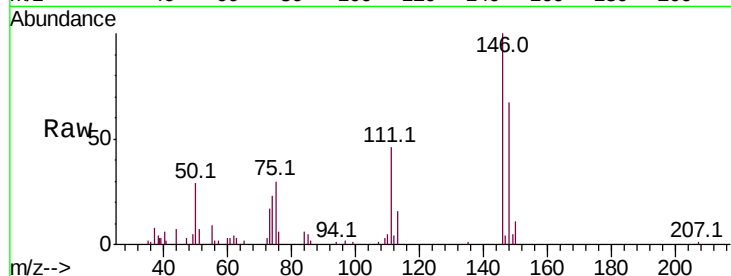




#91
 1,2-Dichlorobenzene
 Concen: 3.095 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

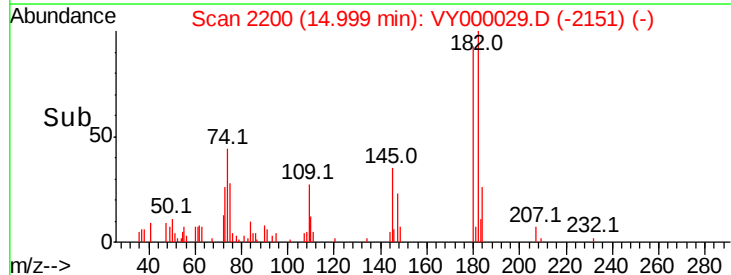
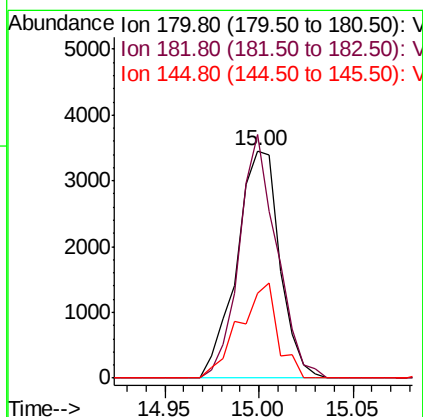
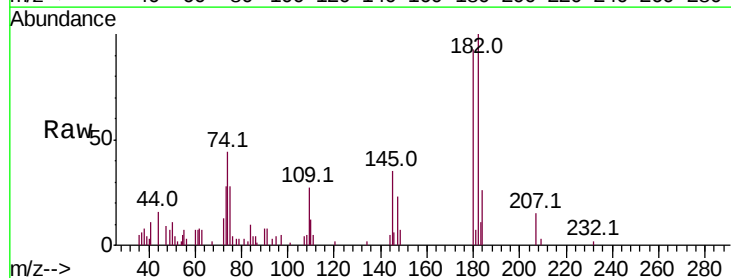
Instrument :
 MSVOA_Y
 ClientSampleId :

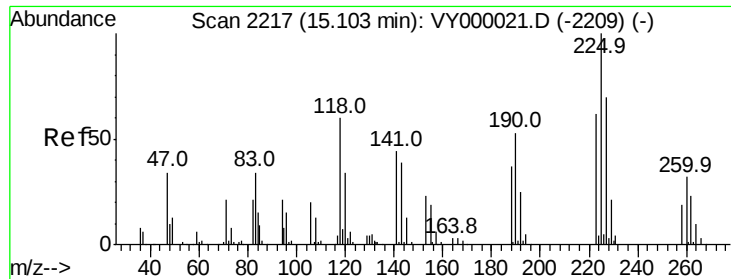
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	21.0	63.0
148	69.6	31.6	95.0



#93
 1,2,4-Trichlorobenzene
 Concen: 3.127 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.0	141.0
145	37.1	16.7	50.1

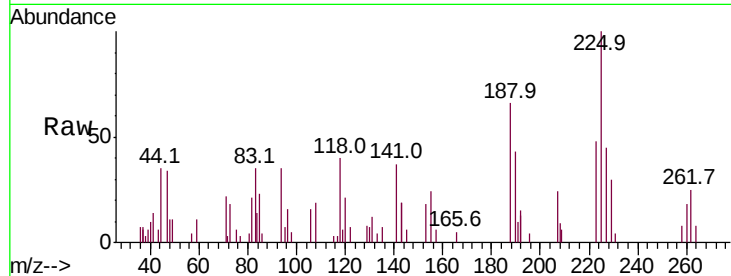




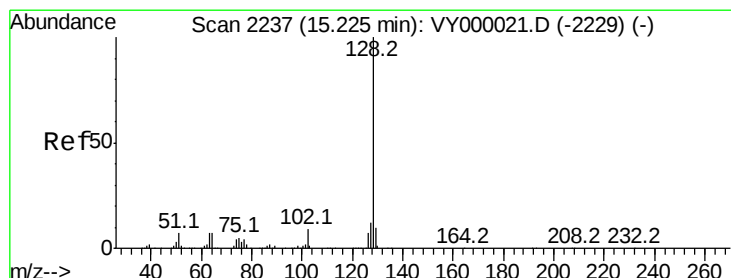
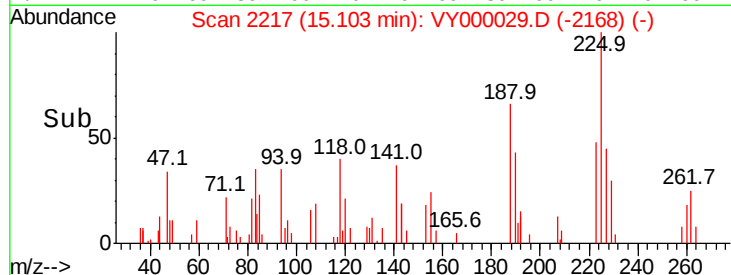
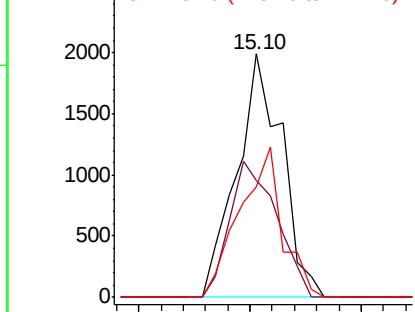
#94
Hexachlorobutadiene
Concen: 3.491 ug/l
RT: 15.10 min Scan# 2217
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
225	100		
223	58.2	30.9	92.7
227	58.0	31.0	93.0

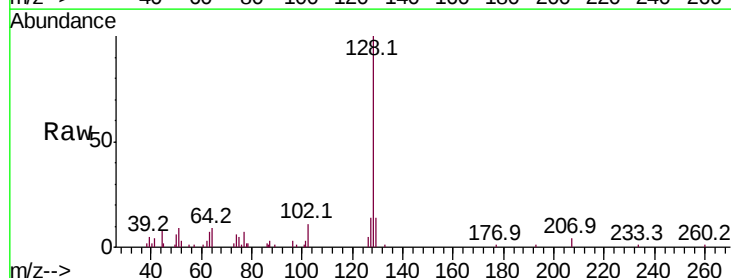


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

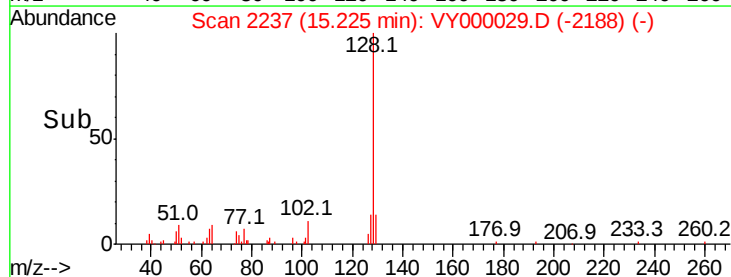
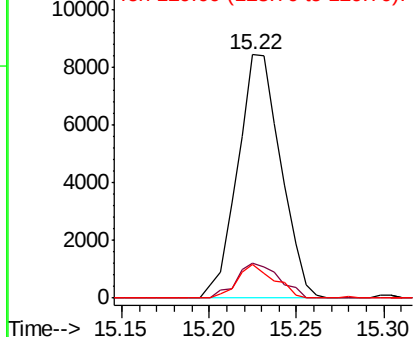


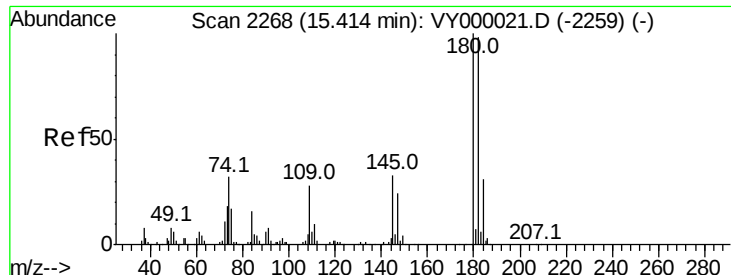
#95
Naphthalene
Concen: 3.005 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.8	14.8
129	11.8	8.7	13.1



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

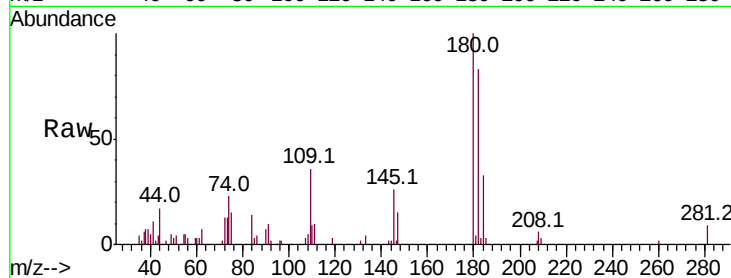




#96
 1,2,3-Trichlorobenzene
 Concen: 3.439 ug/l
 RT: 15.42 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.7	46.8	140.4
145	32.6	17.3	51.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

