

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000641.D
 Acq On : 11 Nov 2019 15:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 12 04:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 04:50:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	369464	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	339953	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	165547	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	143352	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
7) Chloroethane-d5	2.76	69	125206	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.12%
11) 1,1-Dichloroethene-d2	3.85	63	262580	26.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.52%
21) 2-Butanone-d5	6.90	46	117173	47.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.82%
24) Chloroform-d	7.49	84	255632	26.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	8.14	65	151616	26.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.32%
32) Benzene-d6	8.11	84	534102	27.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.68%
36) 1,2-Dichloropropane-d6	9.13	67	165595	27.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.56%
41) Toluene-d8	10.18	98	488253	26.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.88%
43) trans-1,3-Dichloropropene-	10.44	79	80954	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.08%
47) 2-Hexanone-d5	10.79	63	99079	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	166958	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.96%
66) 1,2-Dichlorobenzene-d4	13.72	152	177309	27.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	128989	25.120	ug/L	98
3) Chloromethane	2.11	50	168697	25.020	ug/L	96
5) Vinyl chloride	2.25	62	167788	26.651	ug/L	100
6) Bromomethane	2.65	94	81168	28.162	ug/L	90
8) Chloroethane	2.79	64	104405	26.872	ug/L	94
9) Trichlorofluoromethane	3.13	101	242019	27.243	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	142703	27.667	ug/L	98
12) 1,1-Dichloroethene	3.87	96	135113	27.531	ug/L	97
13) Acetone	3.95	43	80900	34.313	ug/L	96
14) Carbon disulfide	4.19	76	424168	27.254	ug/L	100
15) Methyl Acetate	4.48	43	97625	23.236	ug/L	97
16) Methylene chloride	4.72	84	151716	25.198	ug/L	93
17) trans-1,2-Dichloroethene	5.22	96	149631	27.437	ug/L	95
18) Methyl tert-butyl Ether	5.22	73	404690	26.040	ug/L	99
19) 1,1-Dichloroethane	6.02	63	260266	27.226	ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	163056	26.706	ug/L	96
22) 2-Butanone	6.99	43	147609	40.862	ug/L	100

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

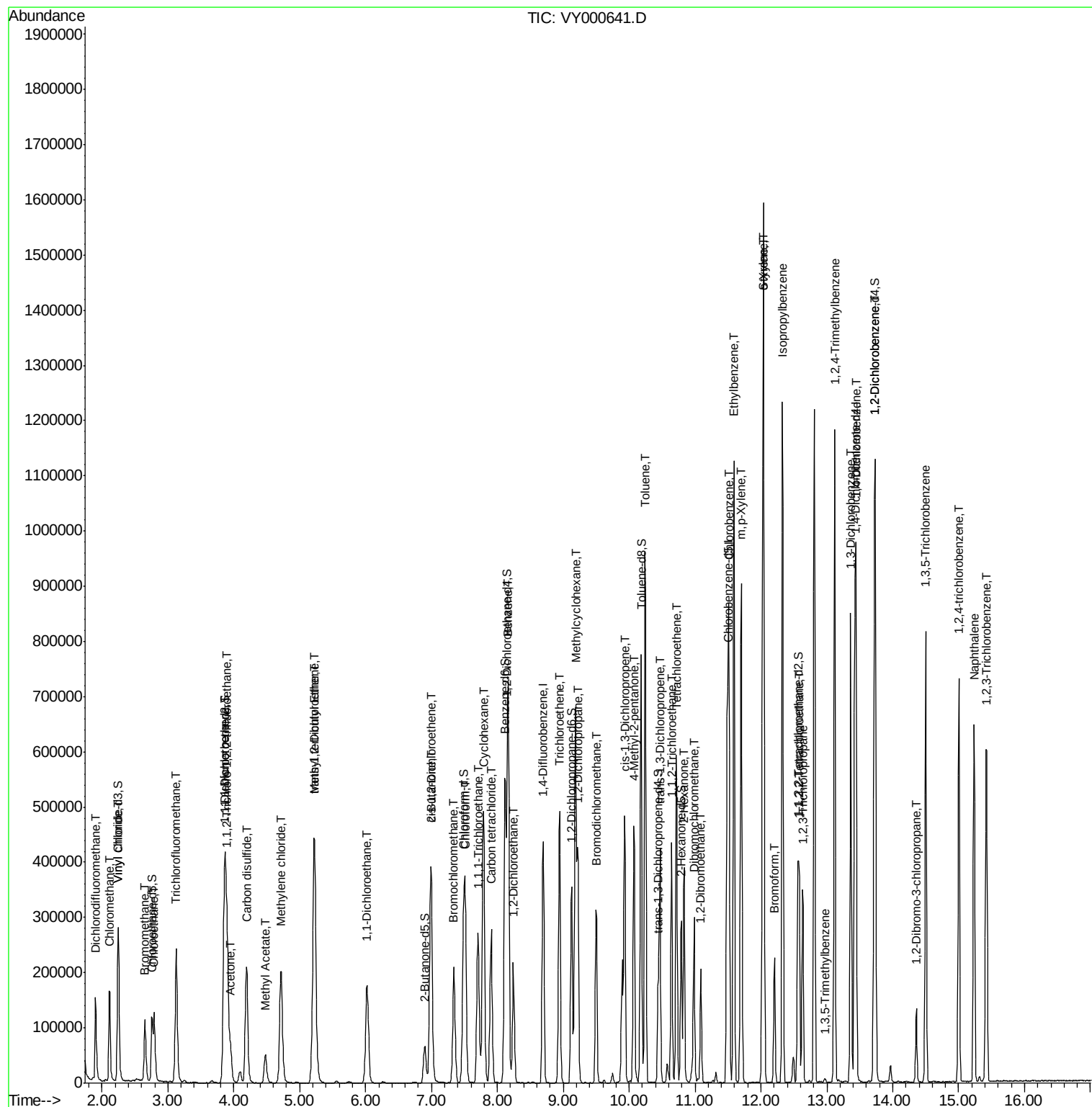
23) Bromochloromethane	7.34	128	72031	26.243	ug/L #	88
25) Chloroform	7.52	83	271189	27.468	ug/L	98
27) 1,2-Dichloroethane	8.24	62	189104	26.815	ug/L	98
29) Cyclohexane	7.78	56	262842	28.305	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	230634	28.125	ug/L	99
31) Carbon tetrachloride	7.91	117	209126	27.655	ug/L	99
33) Benzene	8.16	78	618263	27.691	ug/L	100
34) Trichloroethene	8.94	95	164830	27.975	ug/L	98
35) Methylcyclohexane	9.19	83	279359	27.602	ug/L	97
37) 1,2-Dichloropropane	9.22	63	155456	27.291	ug/L	99
38) Bromodichloromethane	9.50	83	200406	27.653	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	254856	27.922	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	305429	48.658	ug/L	99
42) Toluene	10.24	91	665166	27.897	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	220123	27.290	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	127431	26.353	ug/L	92
46) Tetrachloroethene	10.72	164	122744	27.290	ug/L	98
48) 2-Hexanone	10.83	43	242783	49.477	ug/L	100
49) Dibromochloromethane	10.99	129	146768	26.937	ug/L	98
50) 1,2-Dibromoethane	11.09	107	128679	26.312	ug/L	96
51) Chlorobenzene	11.52	112	414387	27.209	ug/L	98
52) Ethylbenzene	11.59	91	762824	28.045	ug/L	99
53) m,p-Xylene	11.70	106	288452	27.675	ug/L	96
54) o-Xylene	12.03	106	275743	27.240	ug/L	95
55) Styrene	12.04	104	481331	28.117	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	165442	25.240	ug/L	99
59) Bromoform	12.20	173	91315	26.014	ug/L	99
60) Isopropylbenzene	12.33	105	743730	28.222	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	133288	25.433	ug/L	99
62) 1,3,5-Trimethylbenzene	12.97	105	3517	0.163	ug/L	94
63) 1,2,4-Trimethylbenzene	13.12	105	604620	28.392	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	322729	27.320	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	325238	27.364	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	300537	27.165	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.36	75	31076	25.616	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	234543	28.765	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	203844	27.448	ug/L	98
71) Naphthalene	15.23	128	509826	26.277	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	189589	27.556	ug/L	99

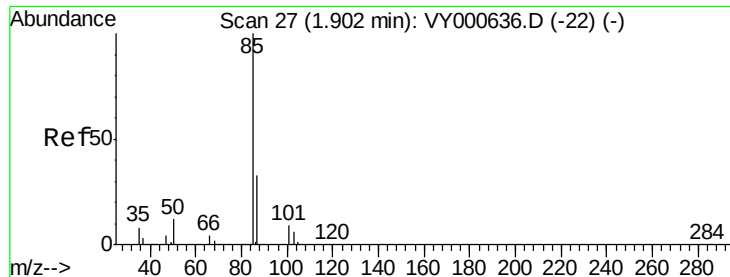
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.120 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

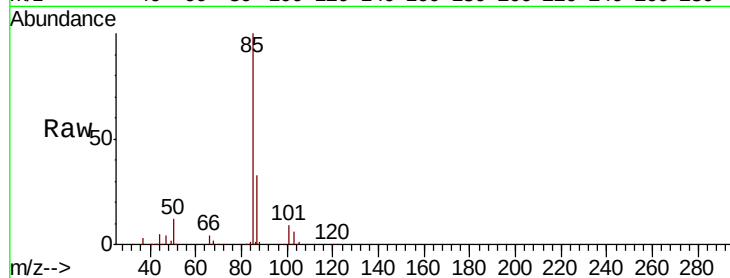
ClientSampleId :

Tot Ion: 85 Resp: 128989

Ion Ratio Lower Upper

85 100

87 32.5 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.90

80000

60000

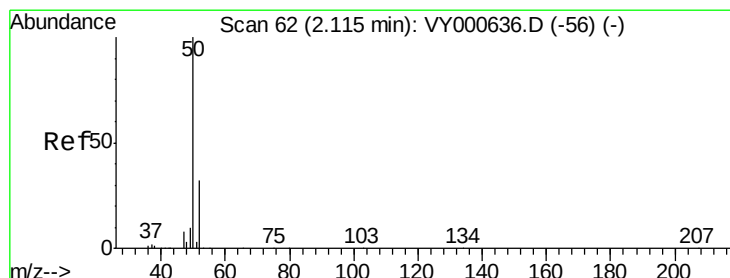
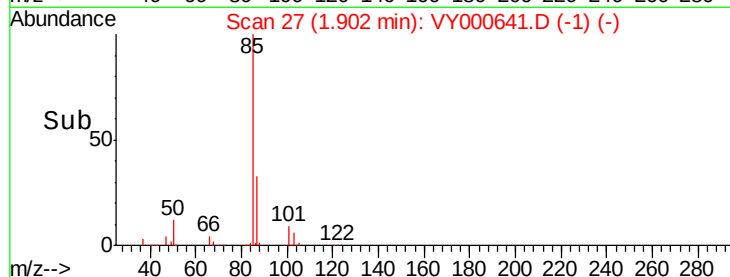
40000

20000

0

1.85 1.90 1.95 2.00

Time-->



#3

Chloromethane

Concen: 25.020 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000641.D

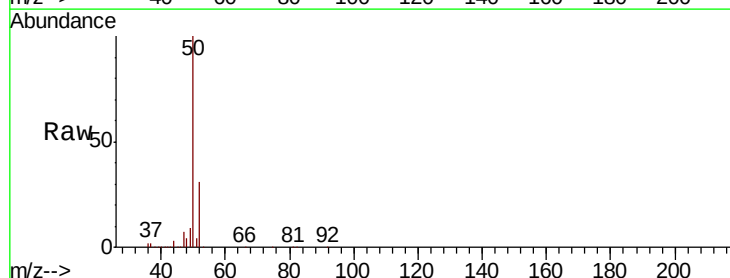
Acq: 11 Nov 2019 15:24

Tgt Ion: 50 Resp: 168697

Ion Ratio Lower Upper

50 100

52 30.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

120000

100000

80000

60000

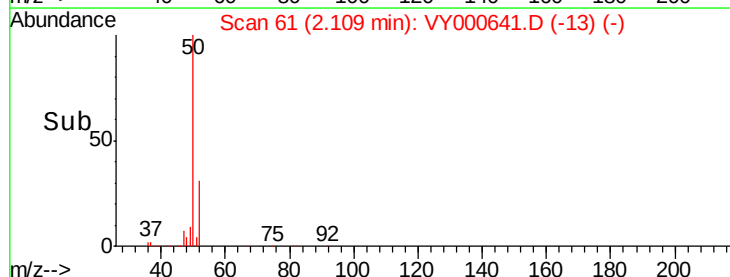
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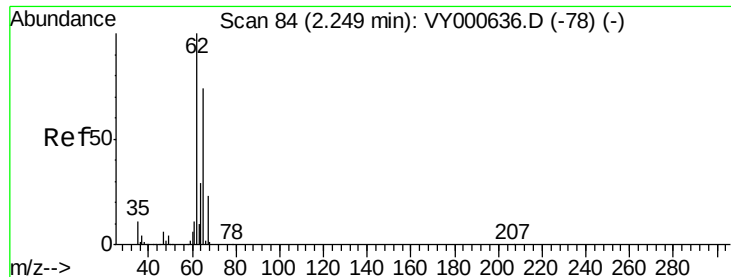
20000

0

2.05 2.10 2.15 2.20

Time-->





#5

Vinyl chloride

Concen: 26.651 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

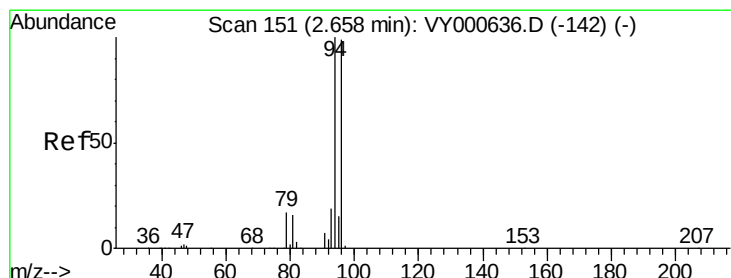
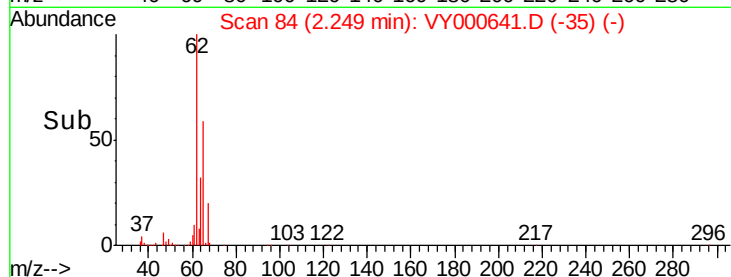
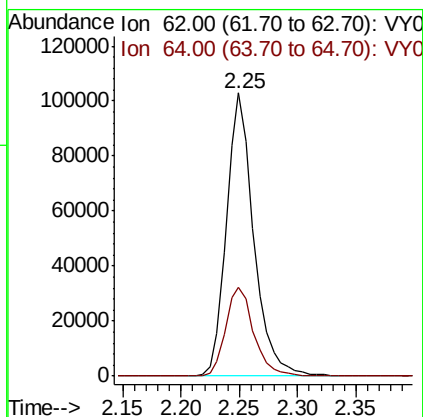
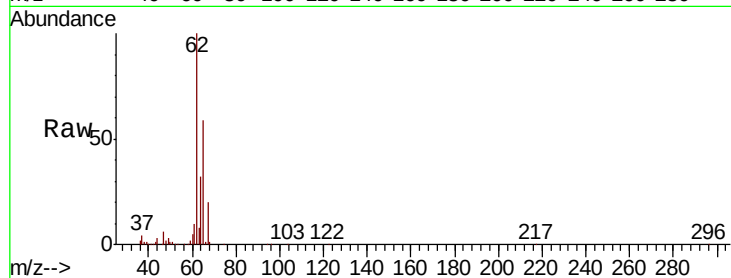
ClientSampleId :

Tot Ion: 62 Resp: 167788

Ion Ratio Lower Upper

62 100

64 31.6 22.0 41.0



#6

Bromomethane

Concen: 28.162 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY000641.D

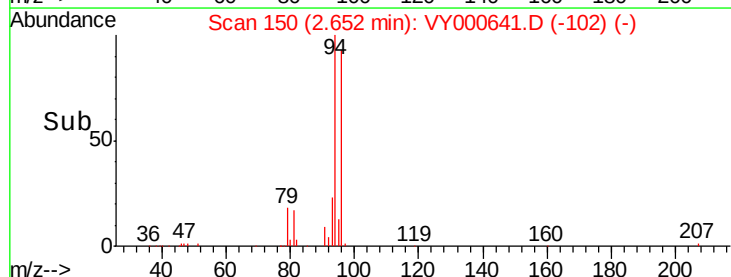
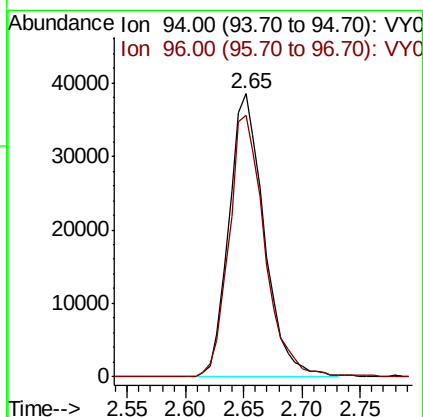
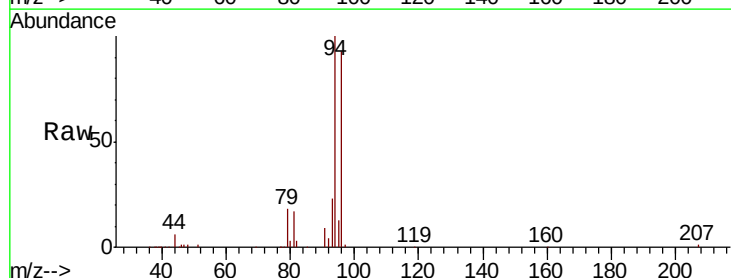
Acq: 11 Nov 2019 15:24

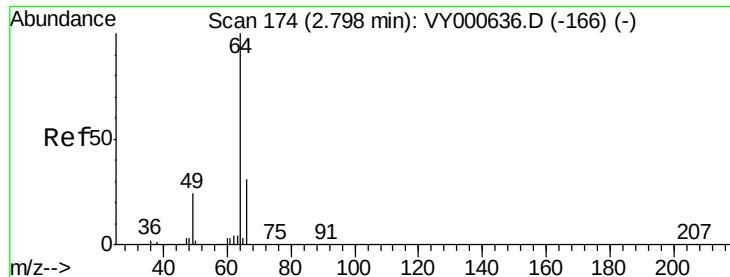
Tgt Ion: 94 Resp: 81168

Ion Ratio Lower Upper

94 100

96 92.6 72.2 134.0

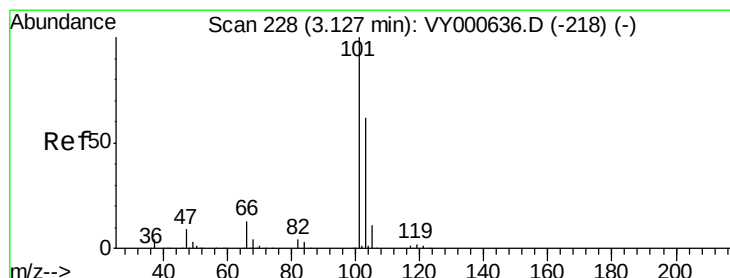
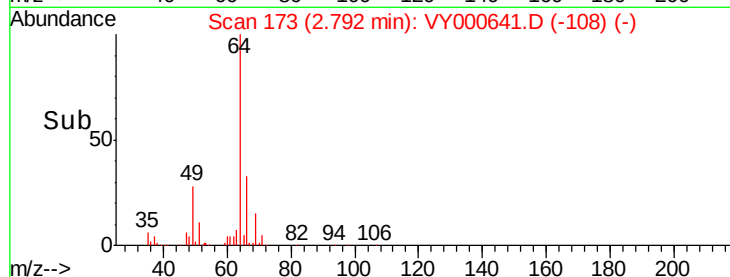
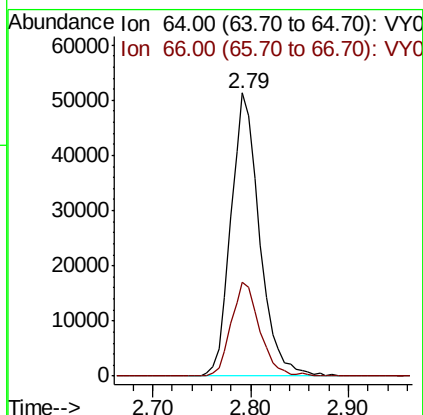
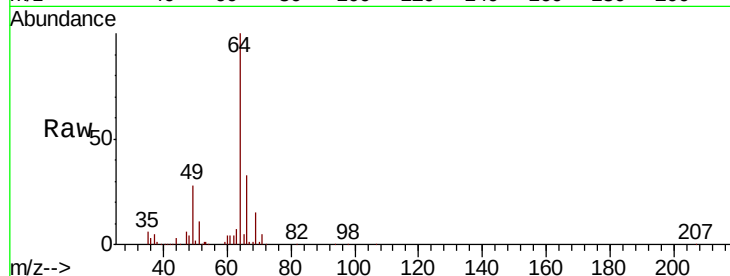




#8
Chloroethane
Concen: 26.872 ug/L
RT: 2.79 min Scan# 173
Delta R.T. -0.01 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

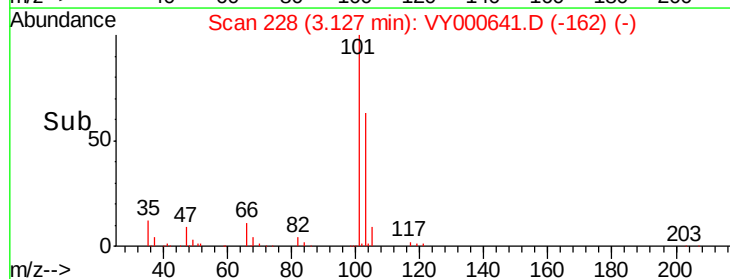
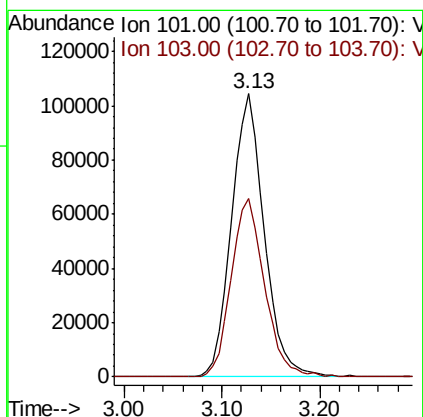
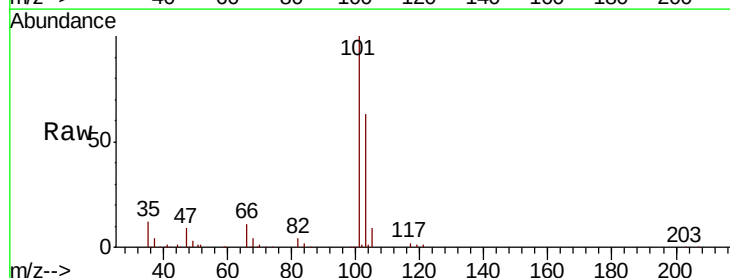
Instrument :
MSVOA_Y
ClientSampleId :

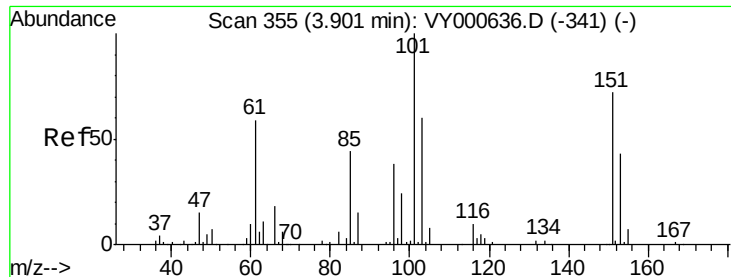
Tot Ion: 64 Resp: 104405
Ion Ratio Lower Upper
64 100
66 33.3 20.9 38.7



#9
Trichlorofluoromethane
Concen: 27.243 ug/L
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

Tgt Ion:101 Resp: 242019
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 27.667 ug/L

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

ClientSampleId :

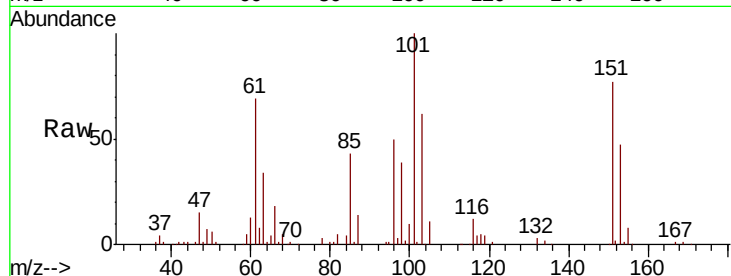
Tot Ion:101 Resp: 142703

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.8

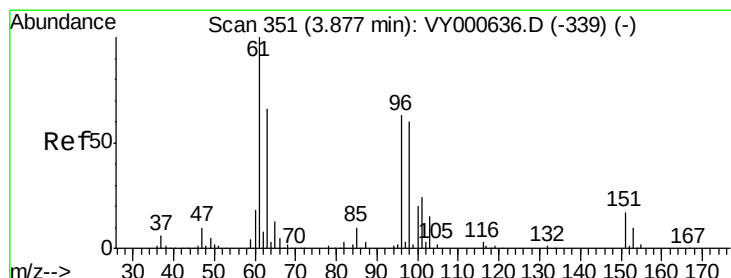
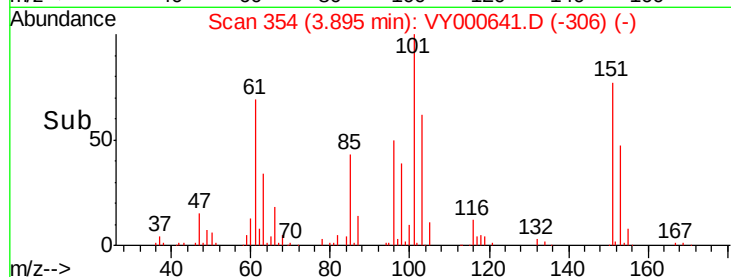
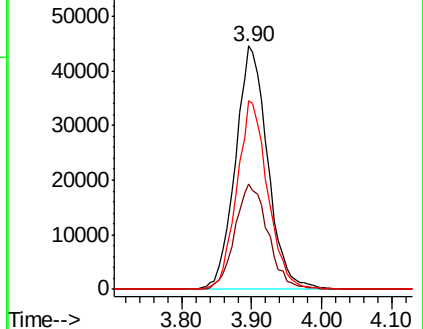
151 74.4 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000636.D (-341) (-)

Ion 85.00 (84.70 to 85.70): VY000636.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY000636.D (-341) (-)



#12

1,1-Dichloroethene

Concen: 27.531 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

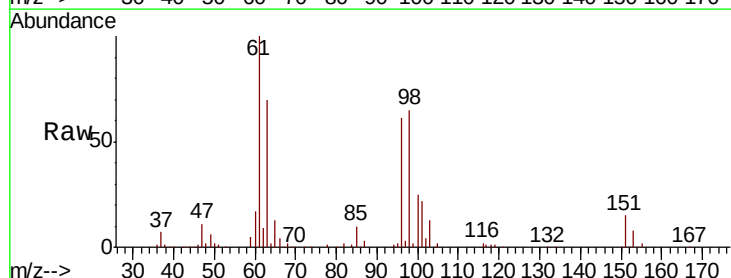
Tgt Ion: 96 Resp: 135113

Ion Ratio Lower Upper

96 100

61 165.2 118.6 220.2

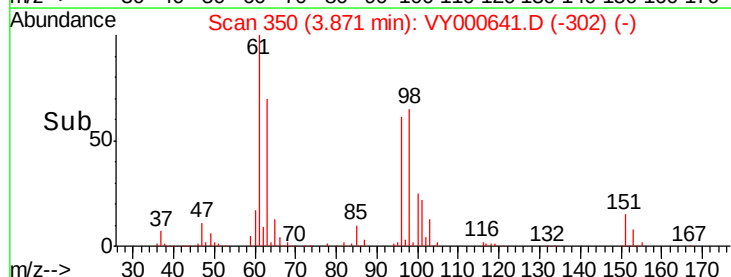
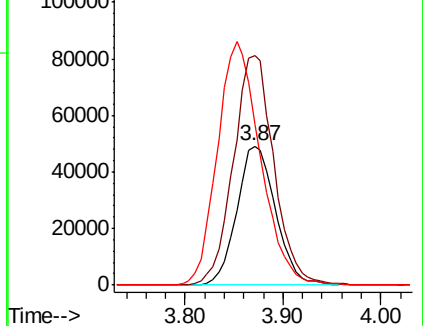
63 115.2 77.8 144.6

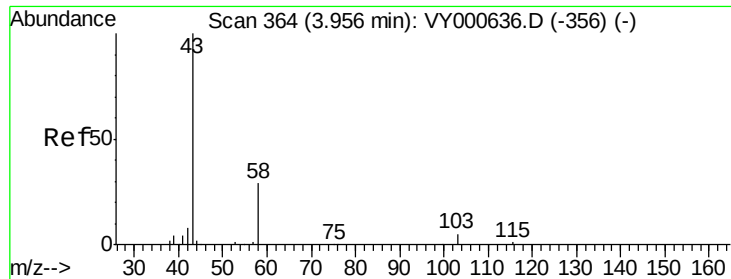


Abundance Ion 96.00 (95.70 to 96.70): VY000636.D (-339) (-)

Ion 61.00 (60.70 to 61.70): VY000636.D (-339) (-)

Ion 63.00 (62.70 to 63.70): VY000636.D (-339) (-)





#13

Acetone

Concen: 34.313 ug/L

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

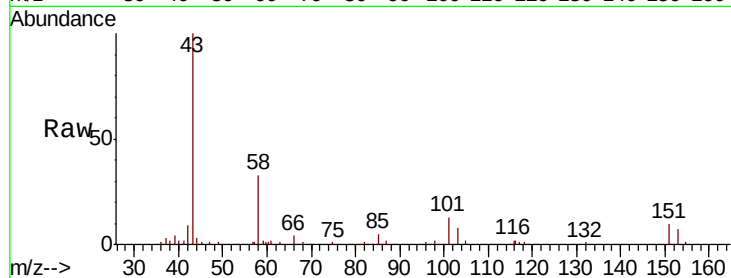
ClientSampleId :

Tot Ion: 43 Resp: 80900

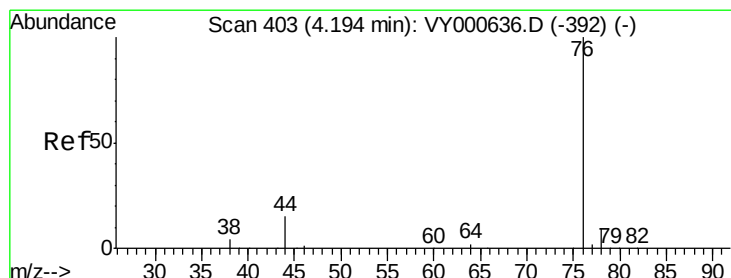
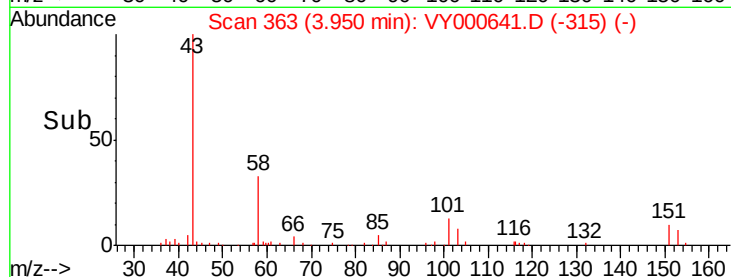
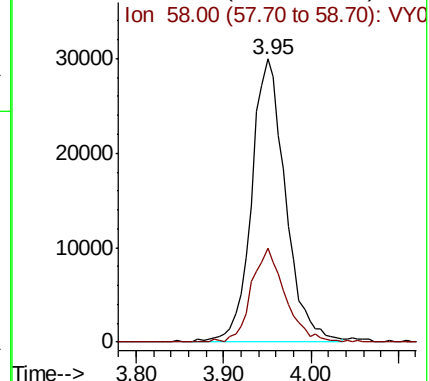
Ion Ratio Lower Upper

43 100

58 32.4 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY000636.D (-356) (-)



#14

Carbon disulfide

Concen: 27.254 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.00 min

Lab File: VY000641.D

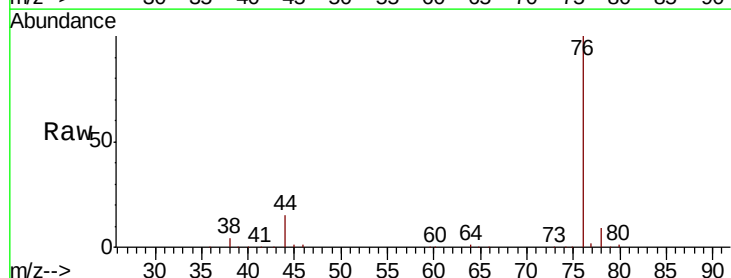
Acq: 11 Nov 2019 15:24

Tgt Ion: 76 Resp: 424168

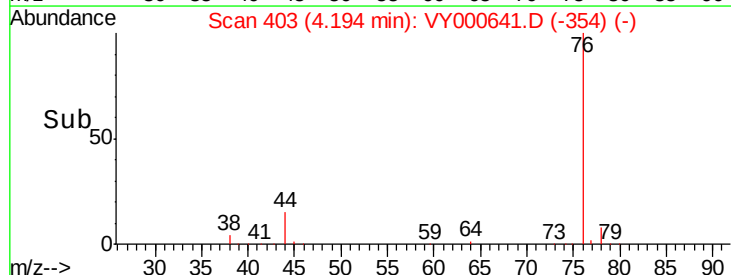
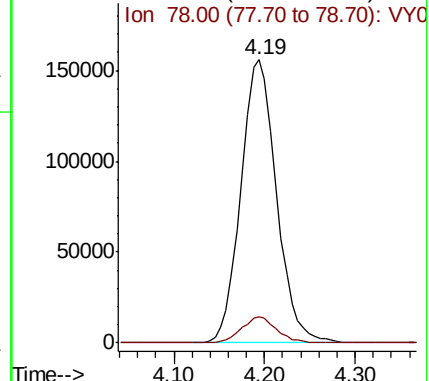
Ion Ratio Lower Upper

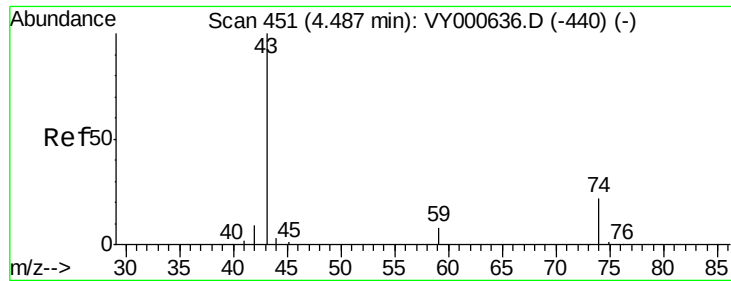
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY000636.D (-392) (-)

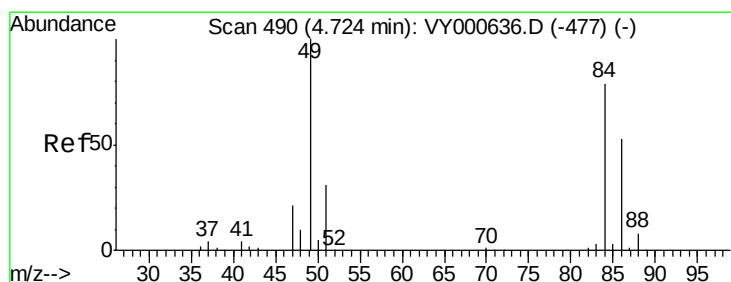
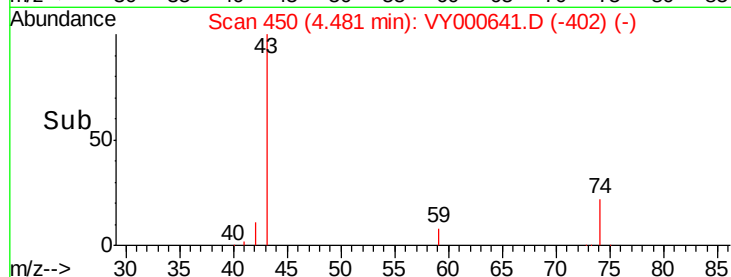
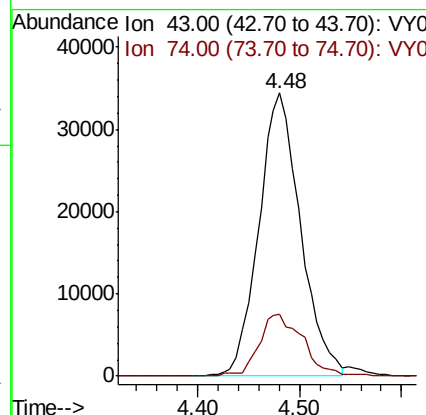
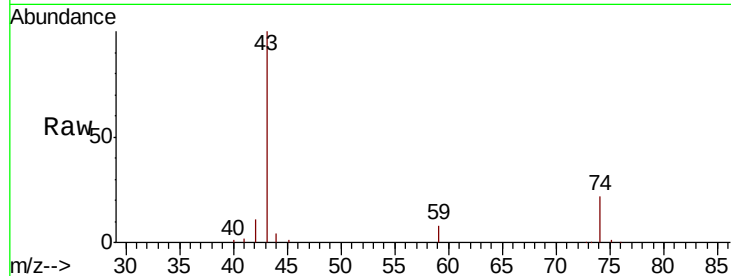




#15
Methvl Acetate
Concen: 23.236 ug/L
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

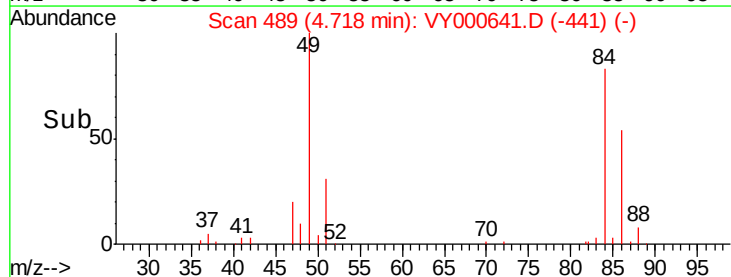
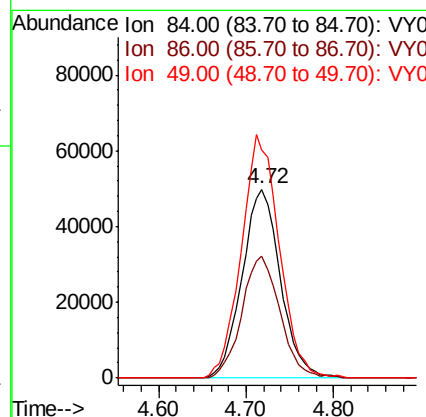
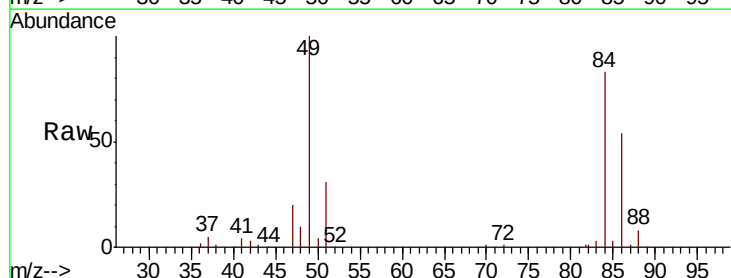
Instrument :
MSVOA_Y
ClientSampleId :

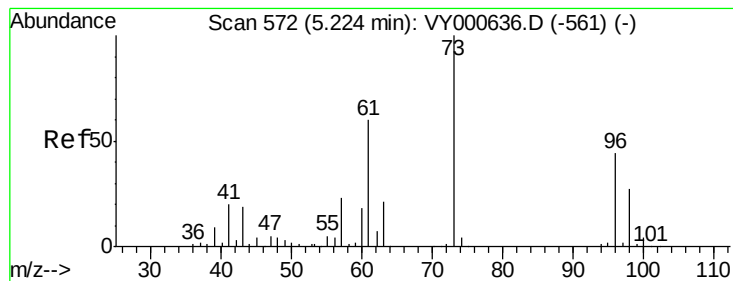
Tot Ion: 43 Resp: 97625
Ion Ratio Lower Upper
43 100
74 21.1 17.9 26.9



#16
Methylene chloride
Concen: 25.198 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

Tgt Ion: 84 Resp: 151716
Ion Ratio Lower Upper
84 100
86 64.9 43.4 80.6
49 121.1 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 27.437 ug/L

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :
MSVOA_Y
ClientSampled :

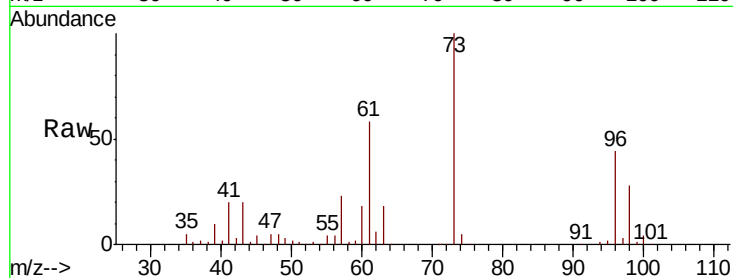
Tot Ion: 96 Resp: 149631

Ion Ratio Lower Upper

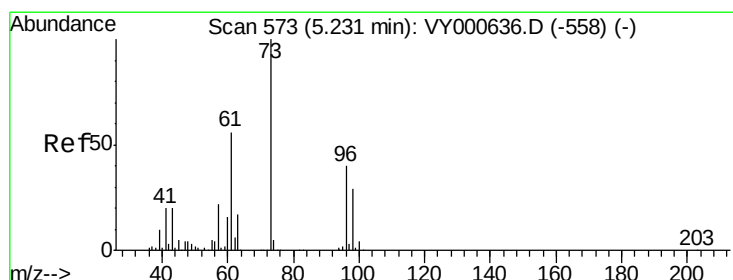
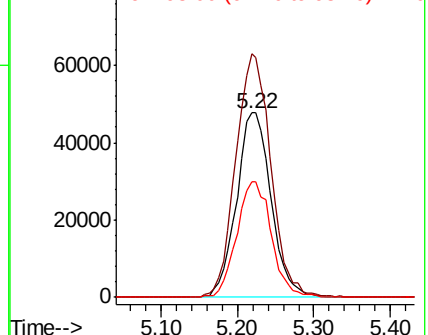
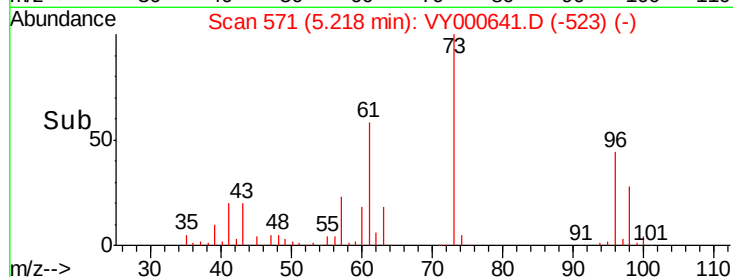
96 100

61 131.9 86.9 161.5

98 62.6 42.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 26.040 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

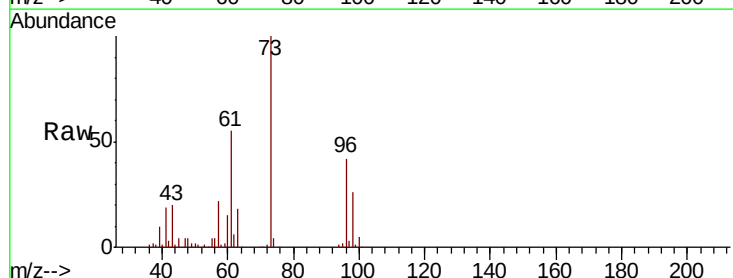
Tgt Ion: 73 Resp: 404690

Ion Ratio Lower Upper

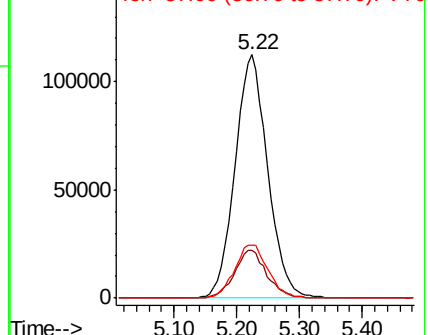
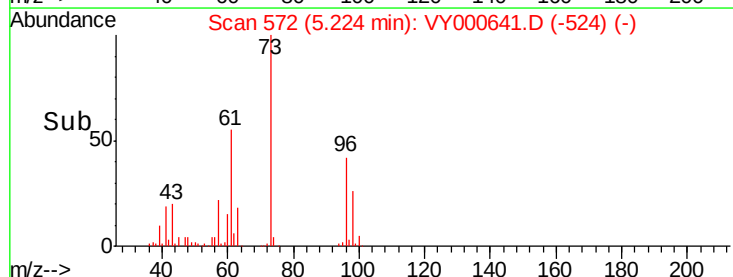
73 100

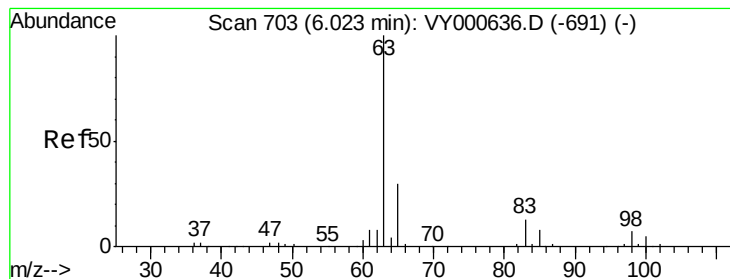
43 19.2 15.7 23.5

57 22.4 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#19

1,1-Dichloroethane

Concen: 27.226 ug/L

RT: 6.02 min Scan# 703

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

ClientSampled :

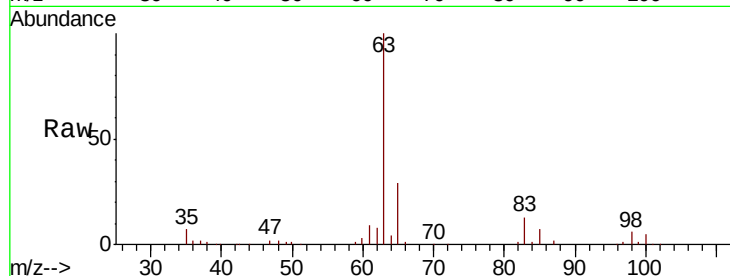
Tot Ion: 63 Resp: 260266

Ion Ratio Lower Upper

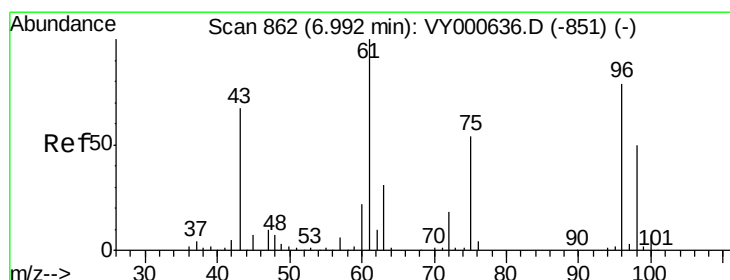
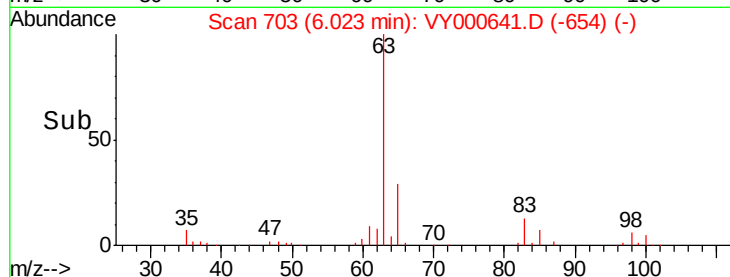
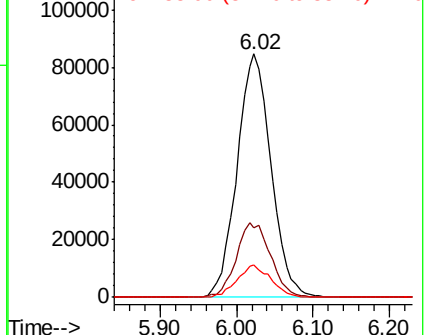
63 100

65 28.5 20.2 37.4

83 13.4 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0



#20

cis-1,2-Dichloroethene

Concen: 26.706 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

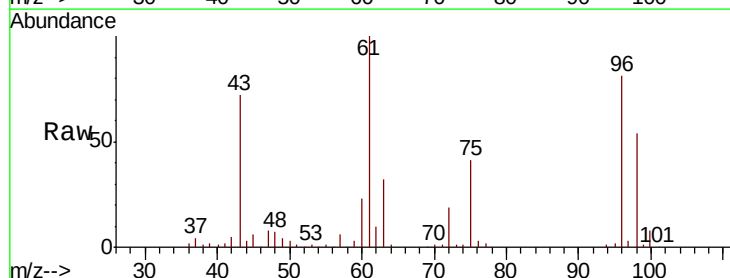
Tgt Ion: 96 Resp: 163056

Ion Ratio Lower Upper

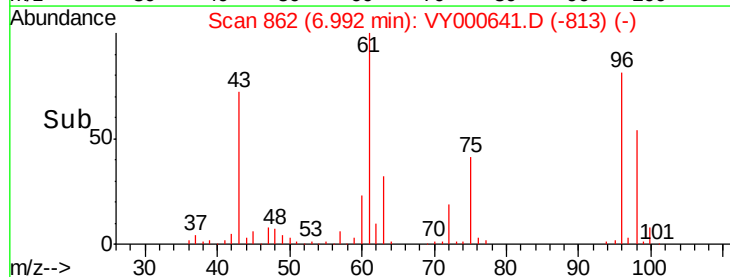
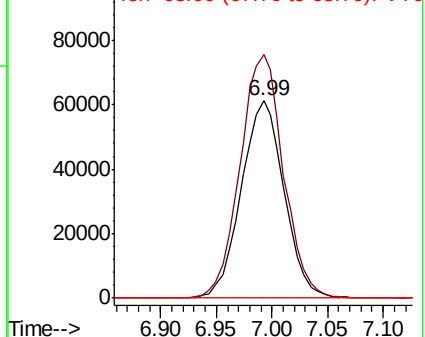
96 100

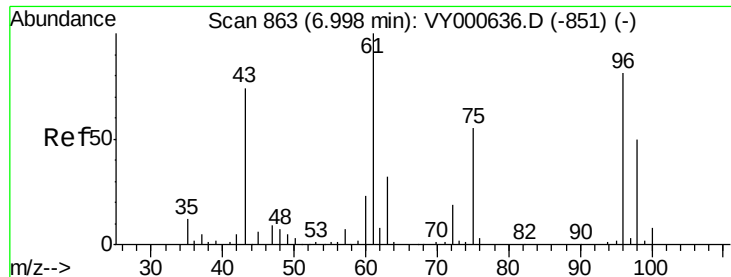
61 123.4 83.7 155.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 40.862 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

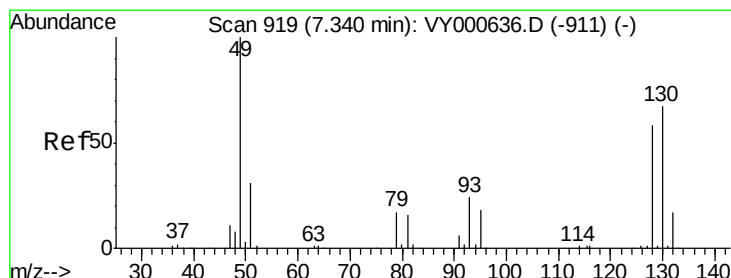
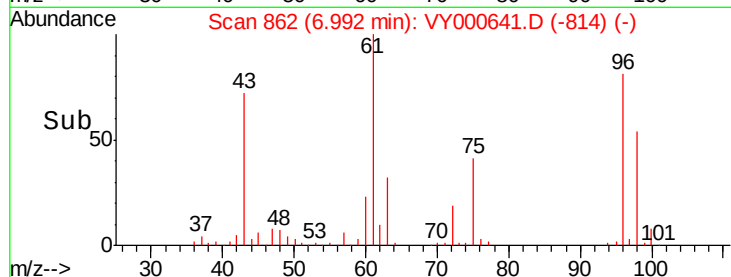
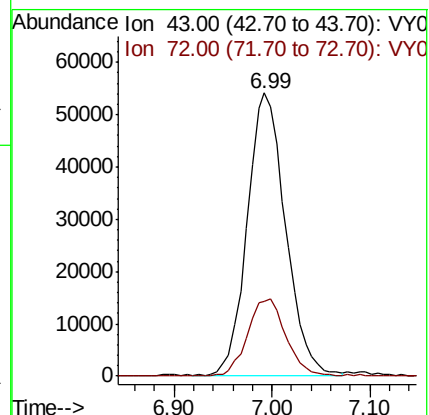
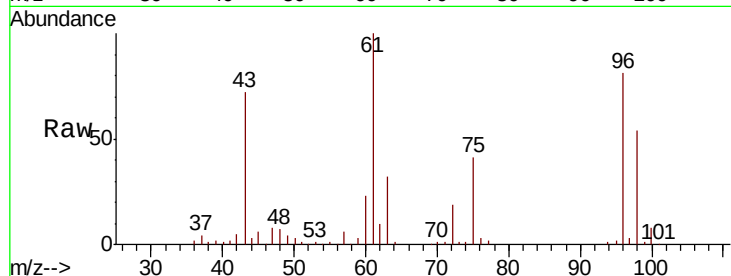
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 147609

Ion Ratio Lower Upper

43 100

72 27.2 13.6 40.8



#23

Bromochloromethane

Concen: 26.243 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Tgt Ion: 128 Resp: 72031

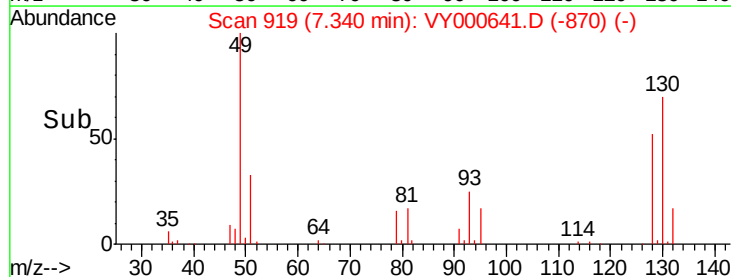
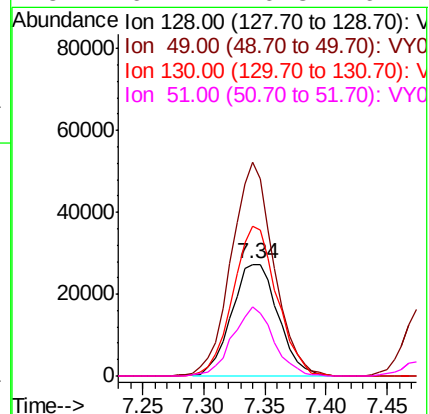
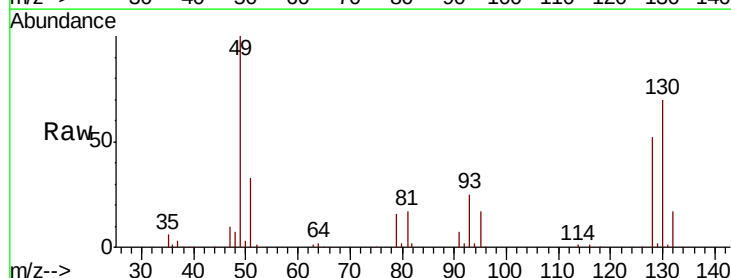
Ion Ratio Lower Upper

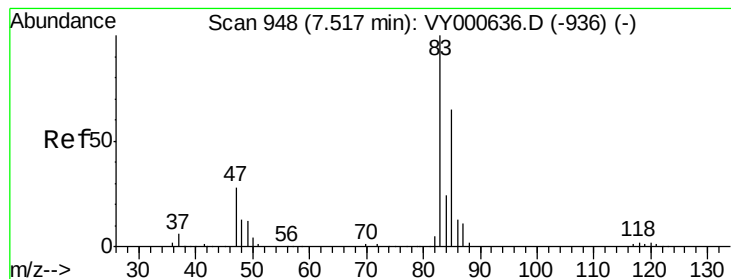
128 100

49 191.6 119.8 222.4

130 134.7 89.8 166.8

51 62.4 40.8 61.2#





#25

Chloroform

Concen: 27.468 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

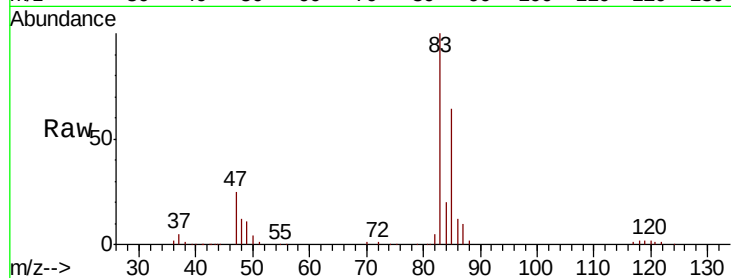
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 271189

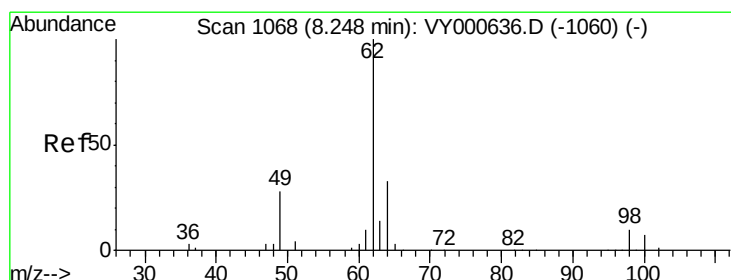
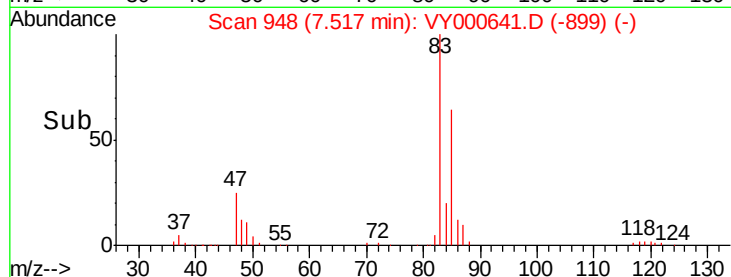
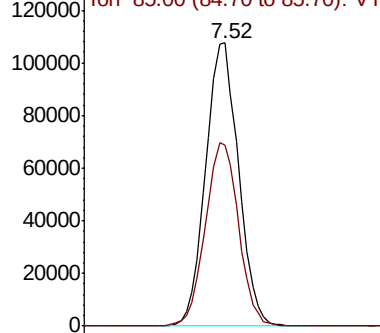
Ion Ratio Lower Upper

83 100

85 63.9 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 26.815 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000641.D

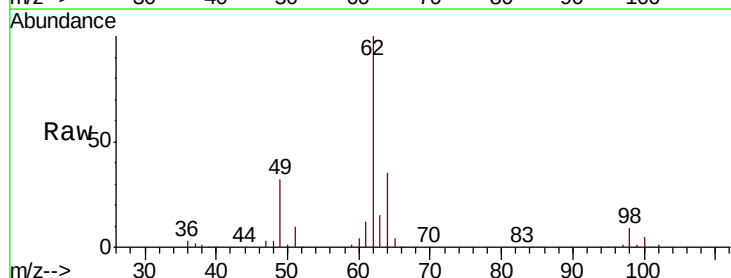
Acq: 11 Nov 2019 15:24

Tgt Ion: 62 Resp: 189104

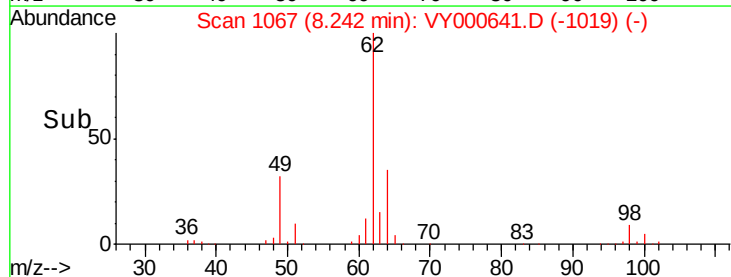
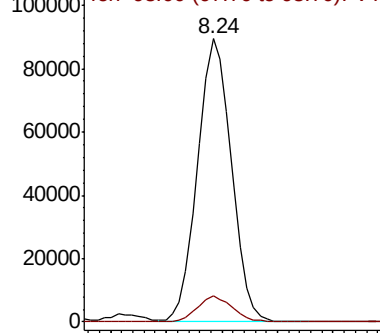
Ion Ratio Lower Upper

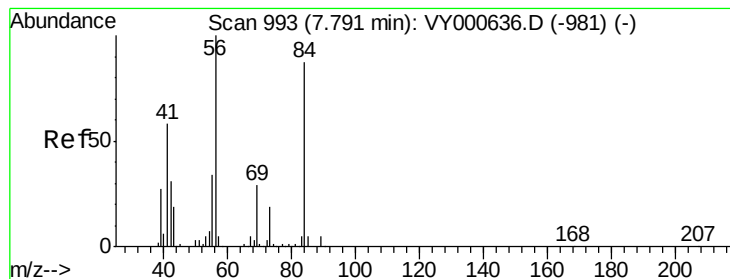
62 100

98 9.2 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VY0
Ion 98.00 (97.70 to 98.70): VY0





#29

Cyclohexane

Concen: 28.305 ug/L

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :
MSVOA_Y
ClientSampled :

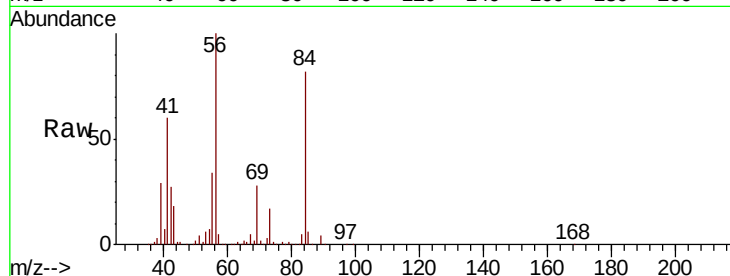
Tot Ion: 56 Resp: 262842

Ion Ratio Lower Upper

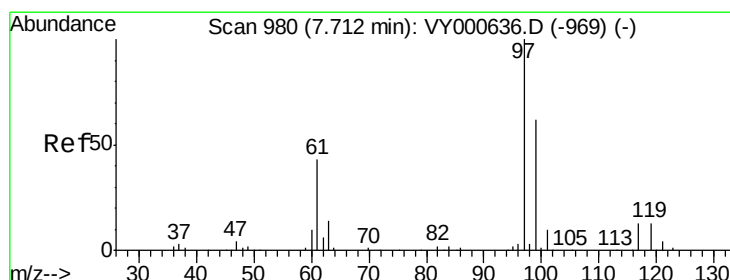
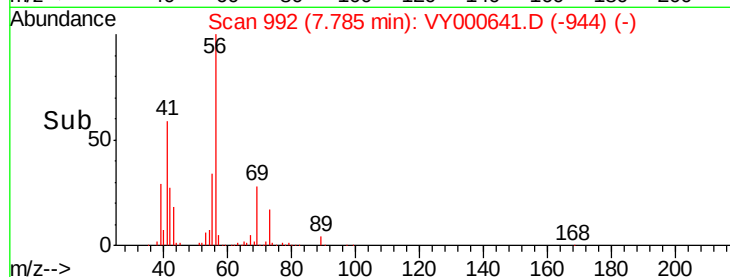
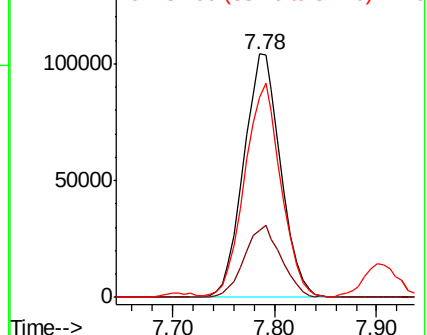
56 100

69 29.7 23.4 35.2

84 86.5 70.2 105.2



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



#30

1,1,1-Trichloroethane

Concen: 28.125 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

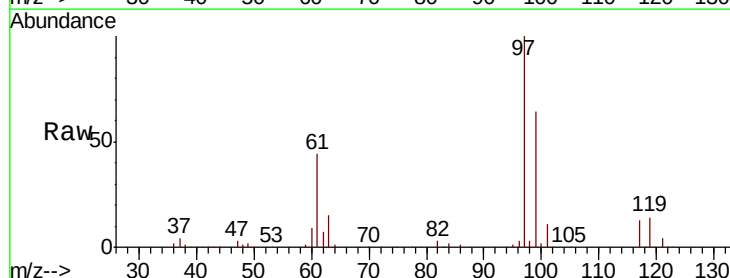
Tgt Ion: 97 Resp: 230634

Ion Ratio Lower Upper

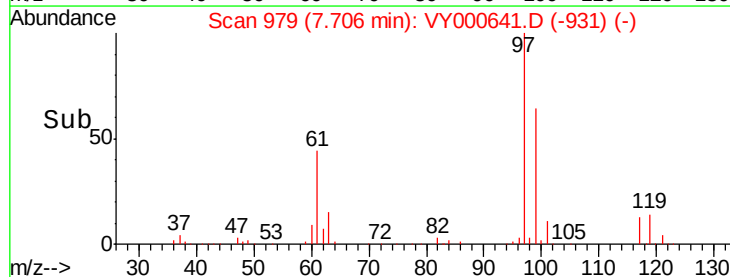
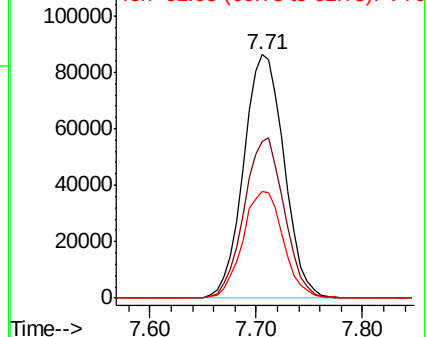
97 100

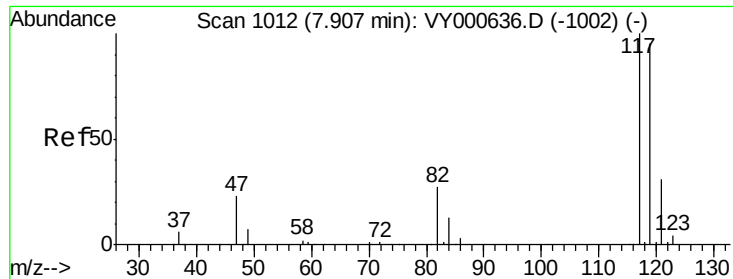
99 65.0 51.4 77.0

61 43.7 35.4 53.0



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 27.655 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

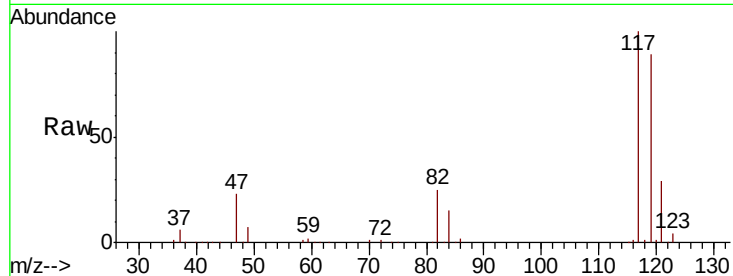
ClientSampleId :

Tot Ion:117 Resp: 209126

Ion Ratio Lower Upper

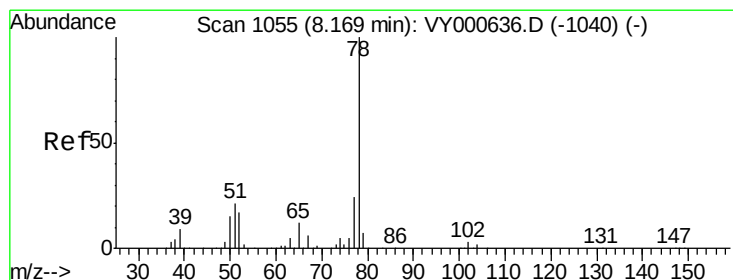
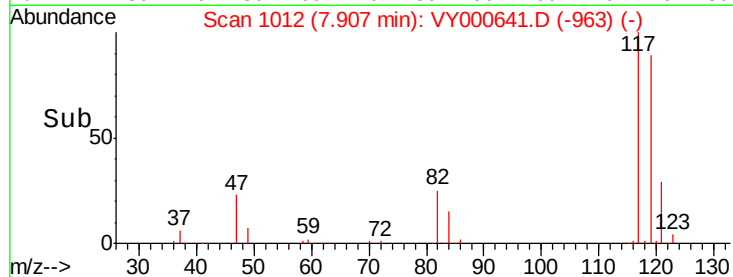
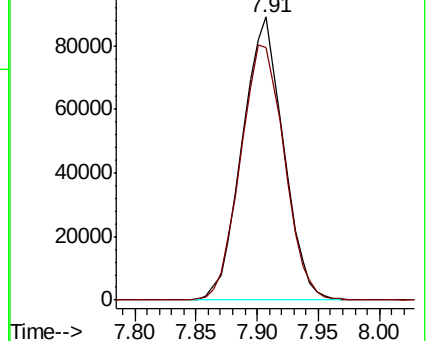
117 100

119 95.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 27.691 ug/L

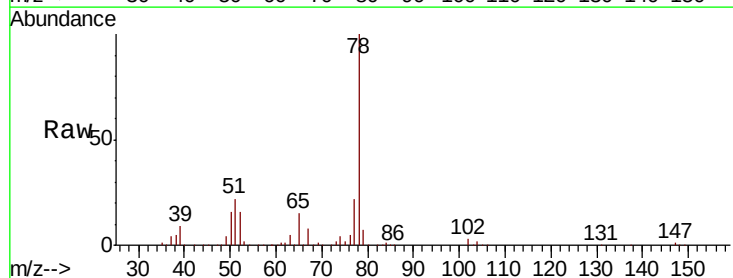
RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

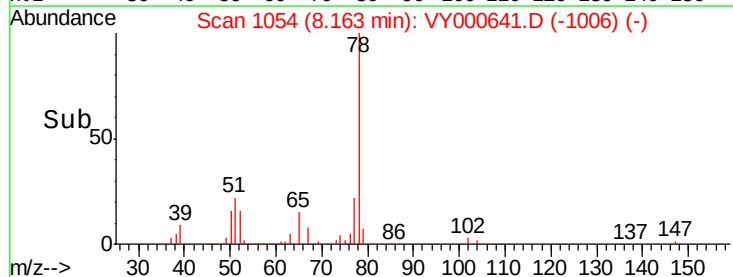
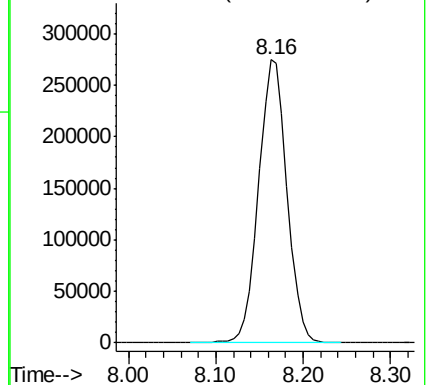
Lab File: VY000641.D

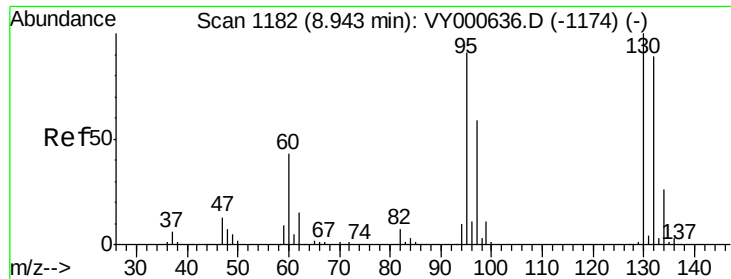
Acq: 11 Nov 2019 15:24

Tgt Ion: 78 Resp: 618263



Abundance Ion 78.00 (77.70 to 78.70): VY0

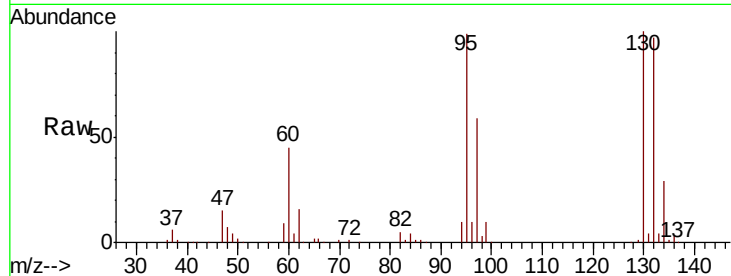




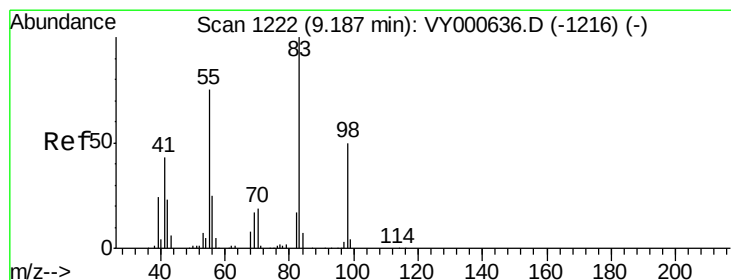
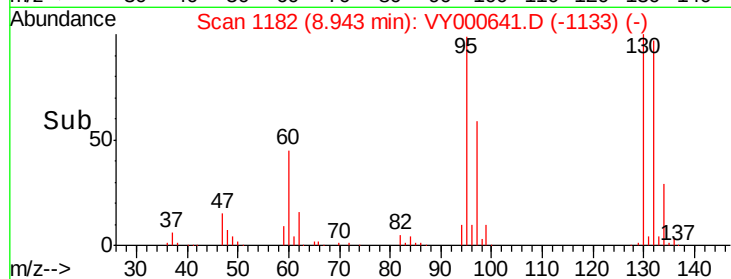
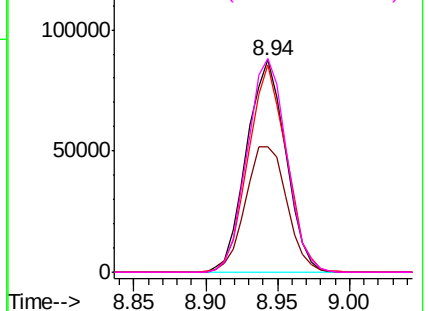
#34
 Trichloroethene
 Concen: 27.975 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 95 Resp: 164830
 Ion Ratio Lower Upper
 95 100
 97 59.3 41.4 76.8
 132 97.7 69.7 129.4
 130 100.7 73.1 135.8

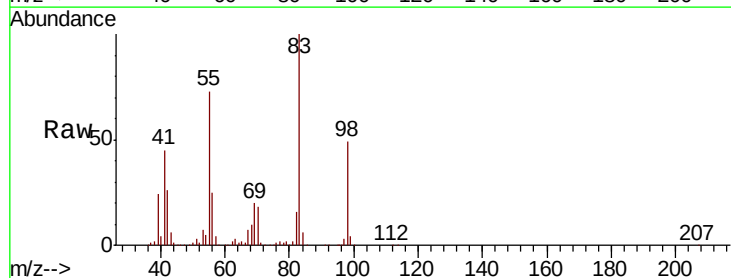


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

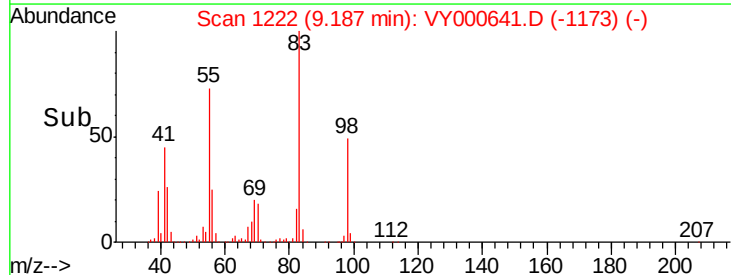
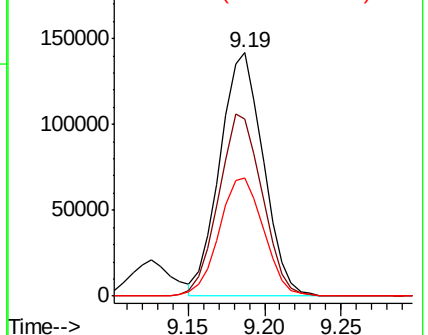


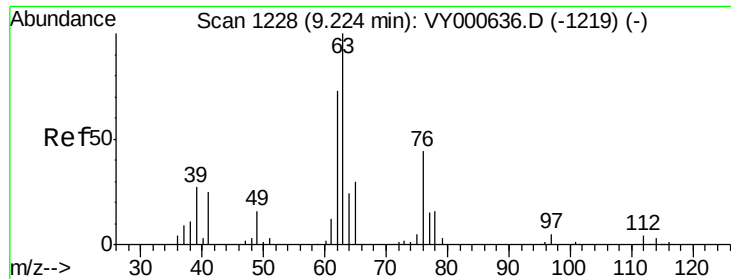
#35
 Methylcyclohexane
 Concen: 27.602 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion: 83 Resp: 279359
 Ion Ratio Lower Upper
 83 100
 55 75.2 57.8 86.8
 98 49.9 38.7 58.1



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

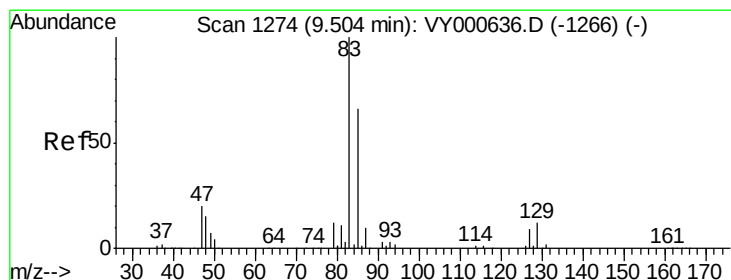
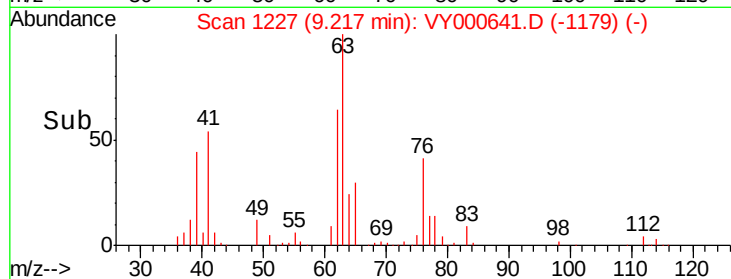
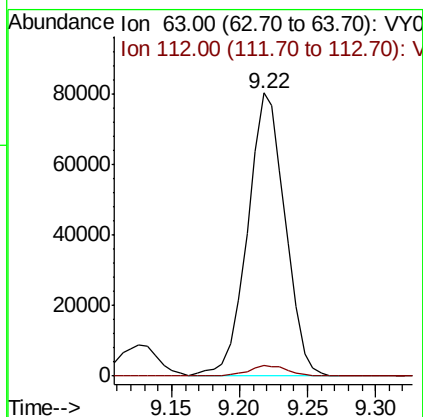
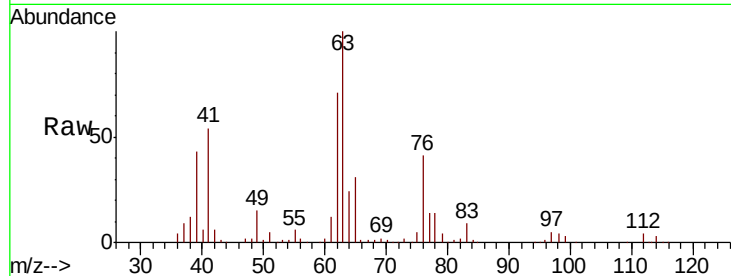




#37
 1,2-Dichloropropane
 Concen: 27.291 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

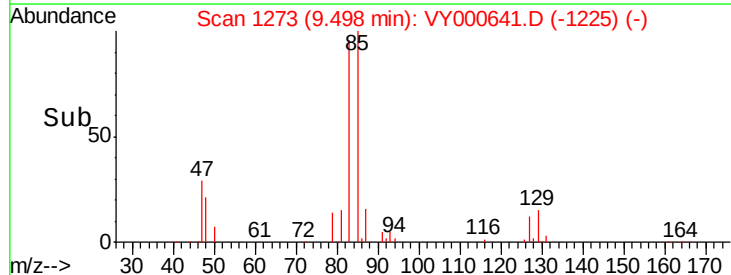
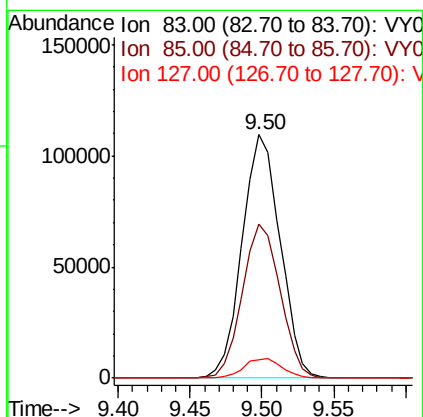
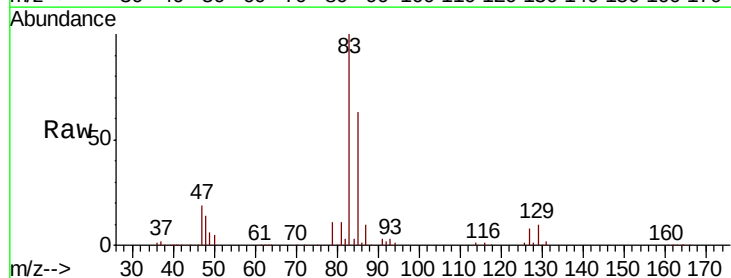
Instrument :
 MSVOA_Y
 ClientSampled :

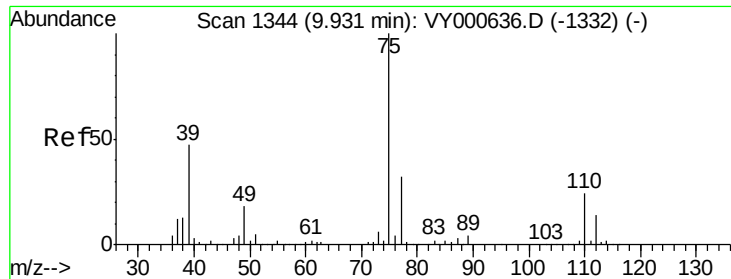
Tot Ion: 63 Resp: 155456
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 27.653 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion: 83 Resp: 200406
 Ion Ratio Lower Upper
 83 100
 85 63.2 46.1 85.7
 127 7.8 6.5 9.7

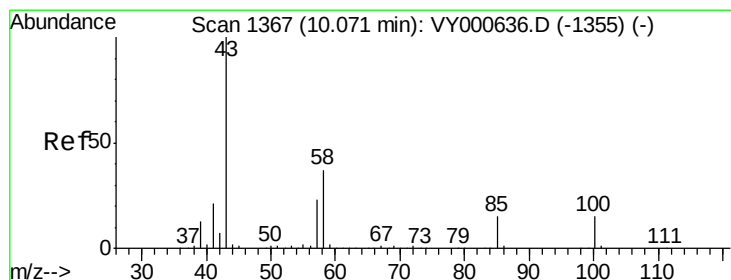
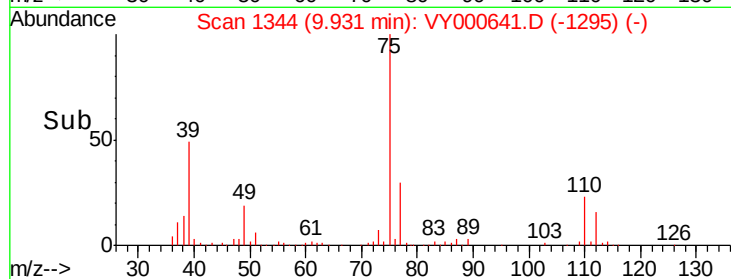
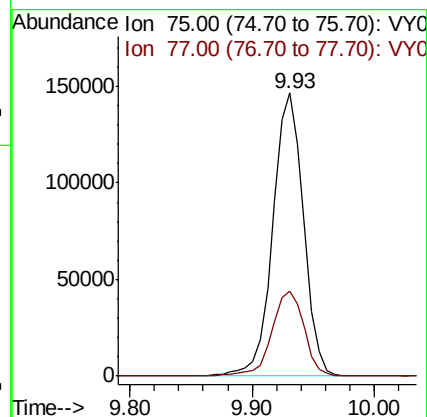
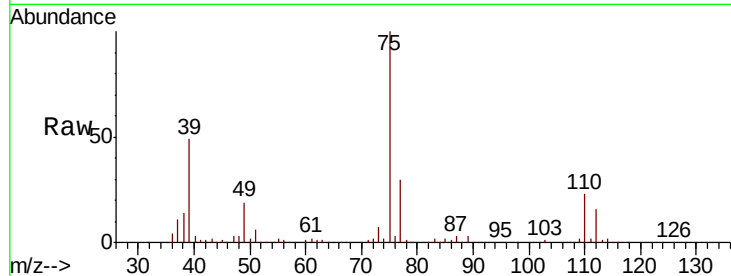




#39
 cis-1,3-Dichloropropene
 Concen: 27.922 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

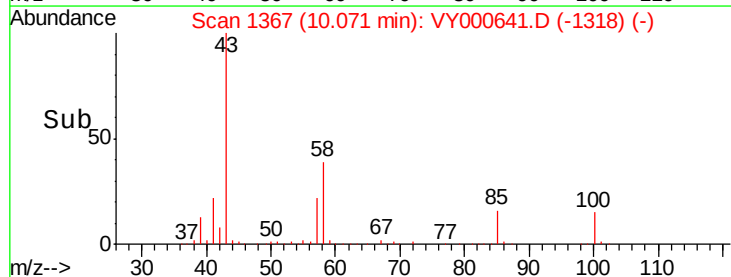
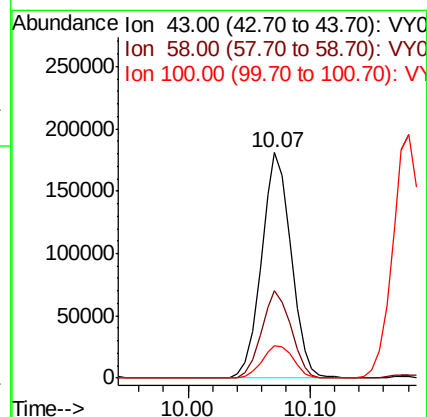
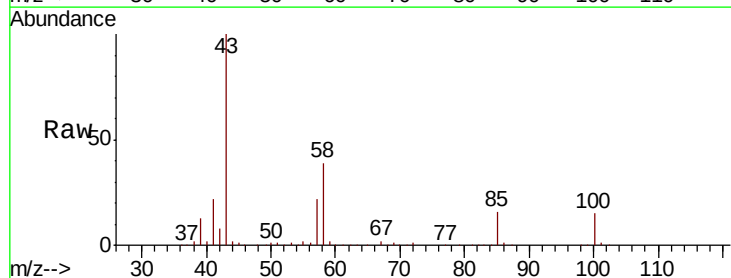
Instrument :
 MSVOA_Y
 ClientSampleId :

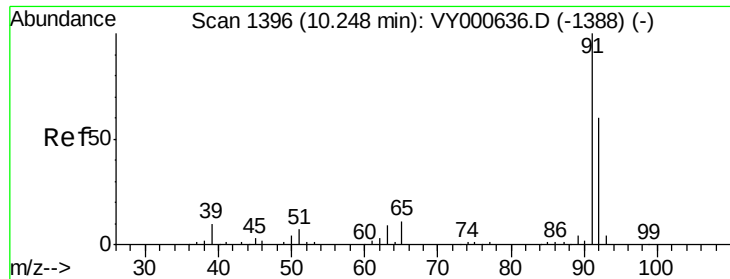
Tot Ion: 75 Resp: 254856
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 48.658 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion: 43 Resp: 305429
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.6 45.8
 100 15.2 11.6 17.4





#42

Toluene

Concen: 27.897 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

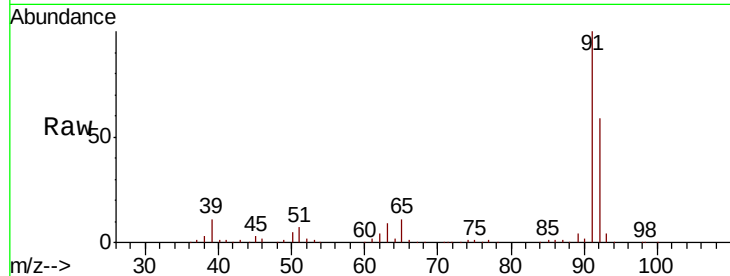
ClientSampleId :

Tot Ion: 91 Resp: 665166

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

10.24

400000

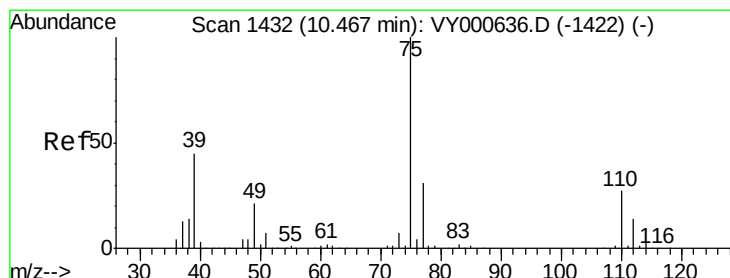
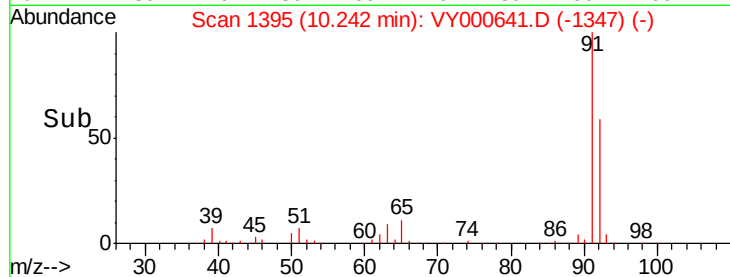
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 27.290 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000641.D

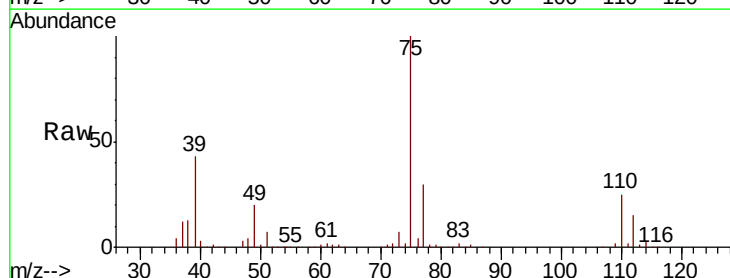
Acq: 11 Nov 2019 15:24

Tgt Ion: 75 Resp: 220123

Ion Ratio Lower Upper

75 100

77 30.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

10.47

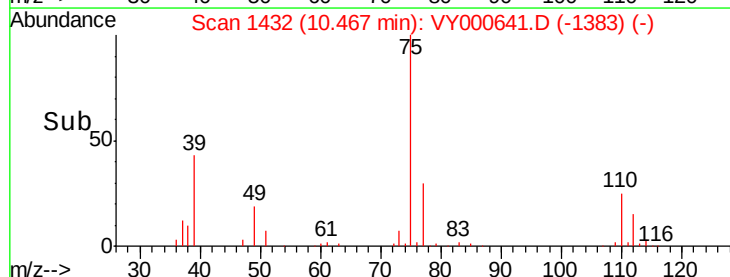
150000

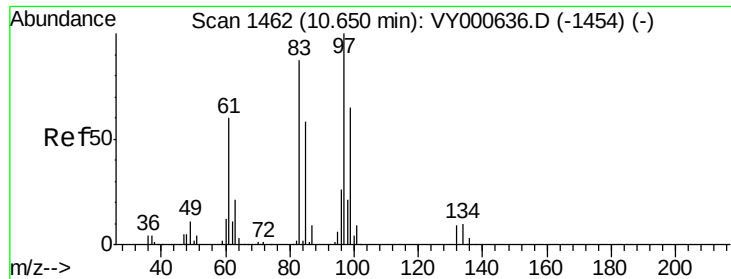
100000

50000

0

Time-->

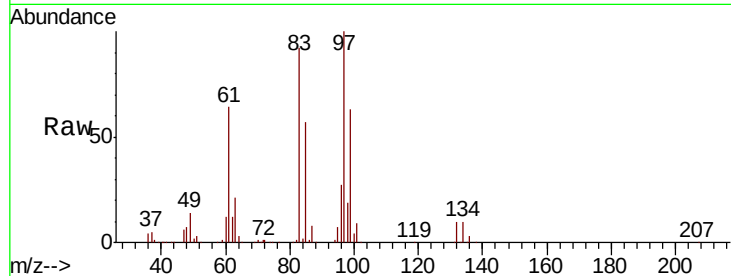




#45
1,1,2-Trichloroethane
Concen: 26.353 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	97	Resp:	127431
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.1	78.1
83	92.2	56.8	105.6
85	56.7	36.5	67.9



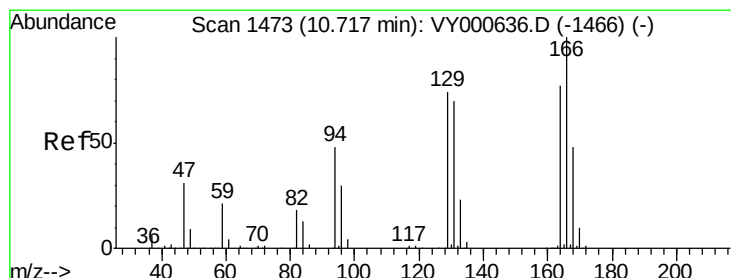
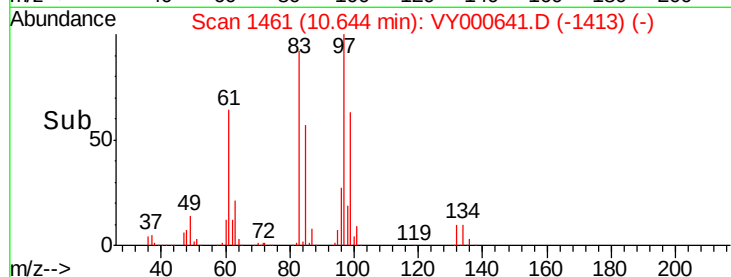
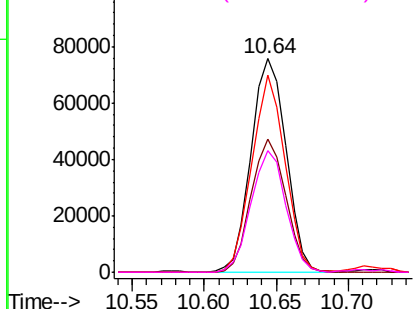
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46
Tetrachloroethene
Concen: 27.290 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

Tgt Ion:	164	Resp:	122744
Ion	Ratio	Lower	Upper
164	100		
129	92.9	65.7	121.9
131	91.8	64.7	120.1
166	127.4	85.8	159.3

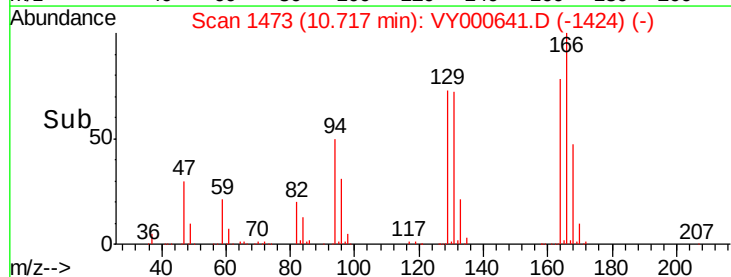
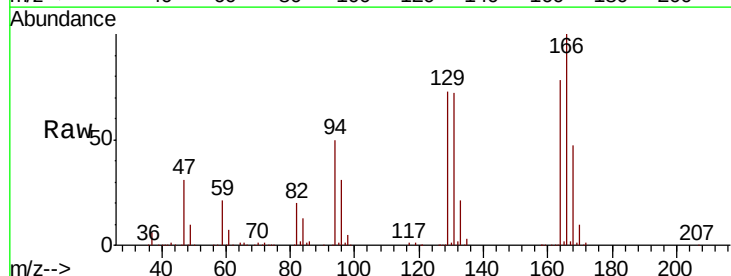
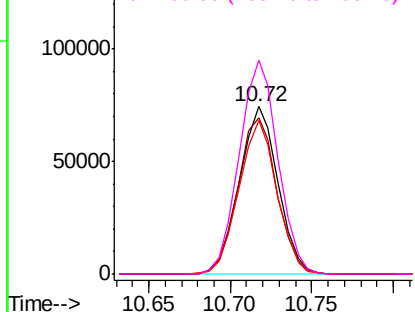
Abundance

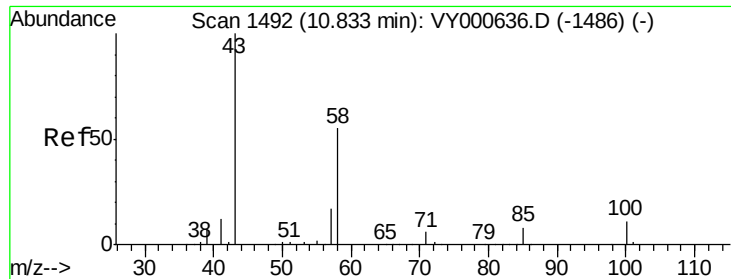
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

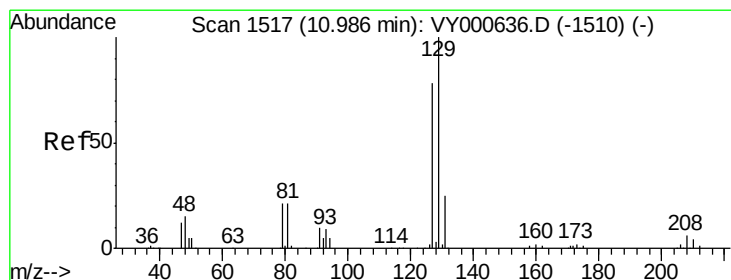
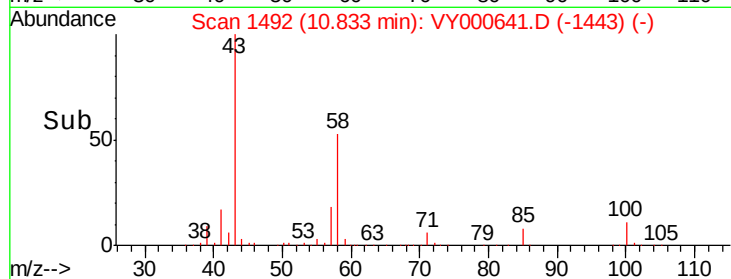
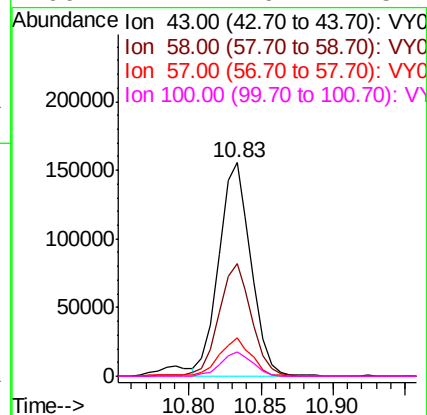
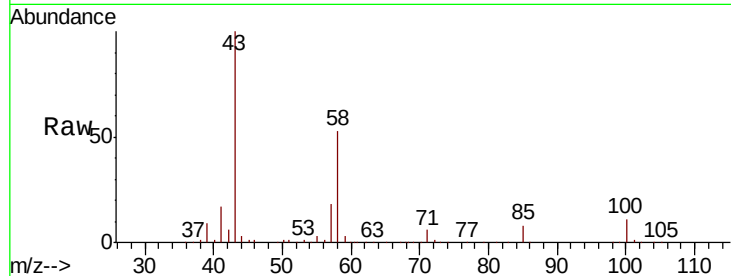




#48
2-Hexanone
Concen: 49.477 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

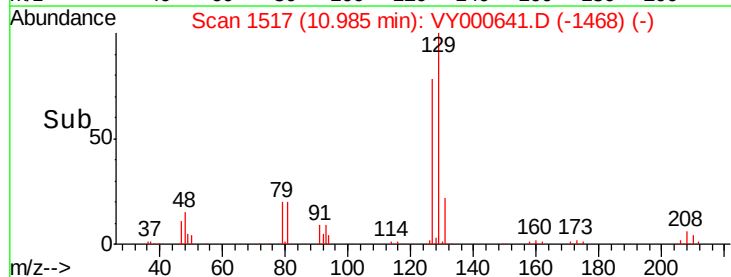
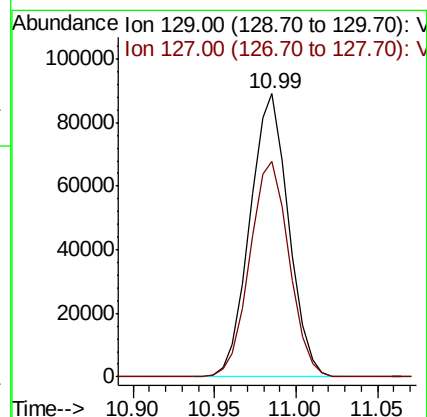
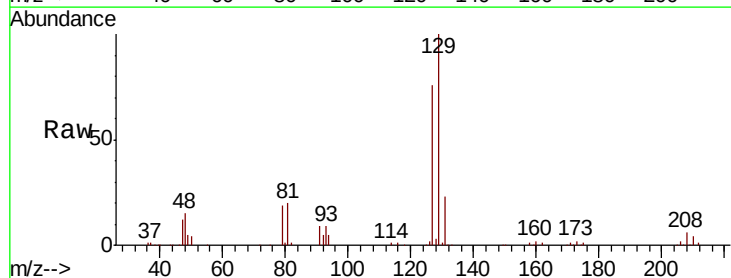
Instrument :
MSVOA_Y
ClientSampleId :

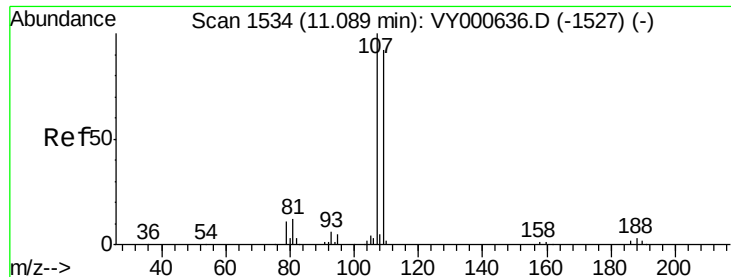
Tot Ion: 43 Resp: 242783
Ion Ratio Lower Upper
43 100
58 53.0 42.5 63.7
57 17.6 14.2 21.4
100 11.1 9.1 13.7



#49
Dibromochloromethane
Concen: 26.937 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000641.D
Acq: 11 Nov 2019 15:24

Tgt Ion: 129 Resp: 146768
Ion Ratio Lower Upper
129 100
127 76.4 54.9 102.1

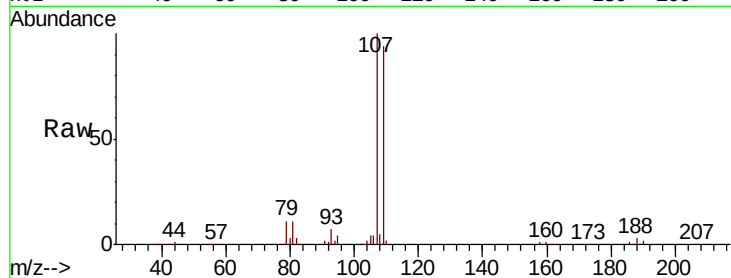




#50
 1,2-Dibromoethane
 Concen: 26.312 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	68.3	126.9
188	3.2	2.2	3.2

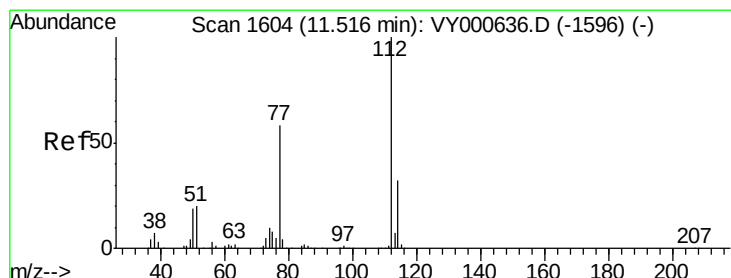
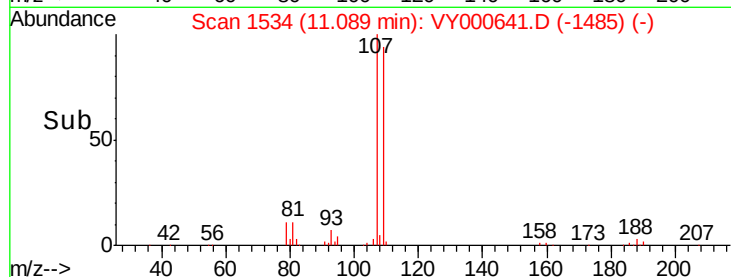
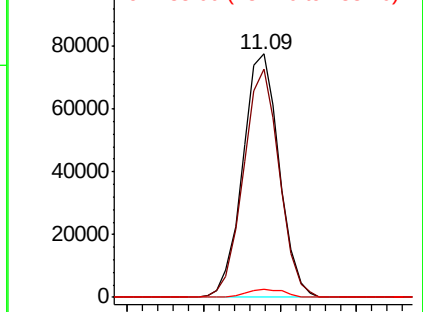


Abundance

Ion 107.00 (106.70 to 107.70): V

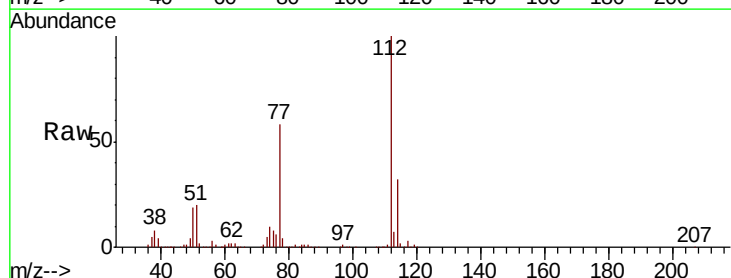
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 27.209 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.1	41.1
77	58.5	45.3	67.9

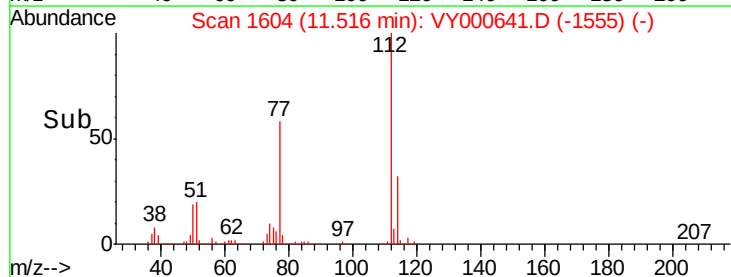
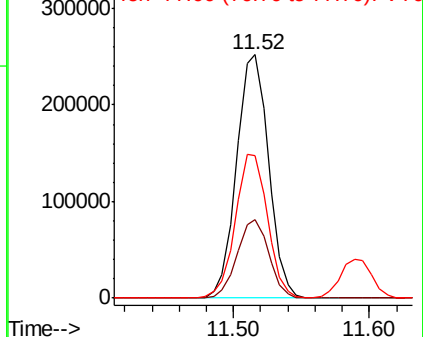


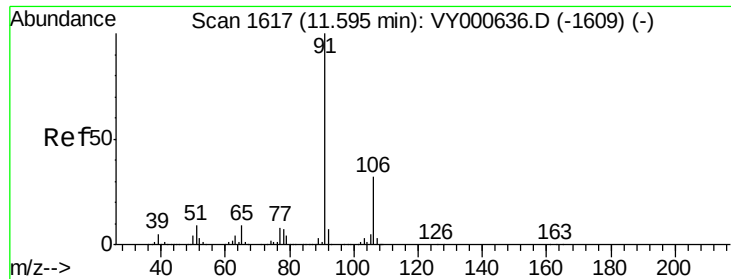
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VY0





#52

Ethylbenzene

Concen: 28.045 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

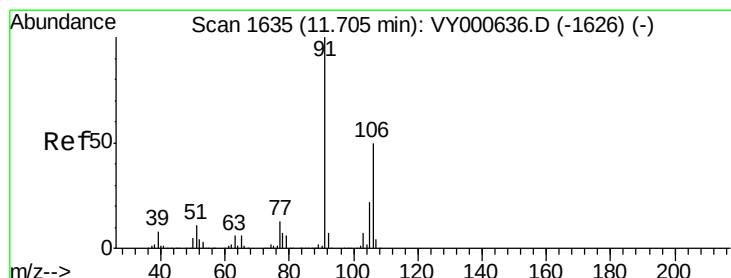
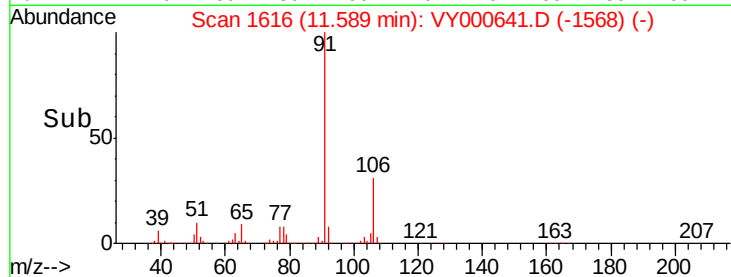
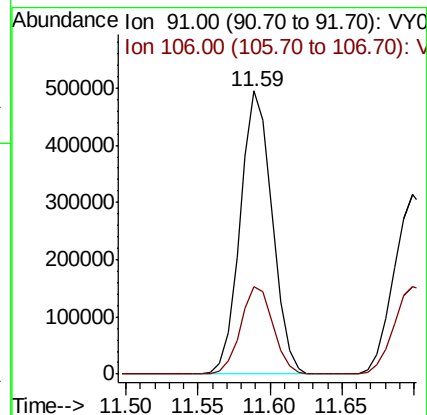
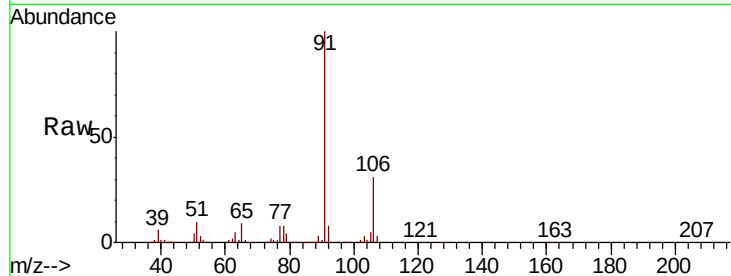
ClientSampled :

Tot Ion: 91 Resp: 762824

Ion Ratio Lower Upper

91 100

106 31.0 22.2 41.2



#53

m,p-Xylene

Concen: 27.675 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000641.D

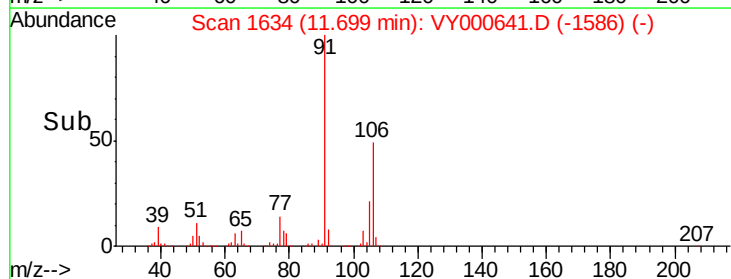
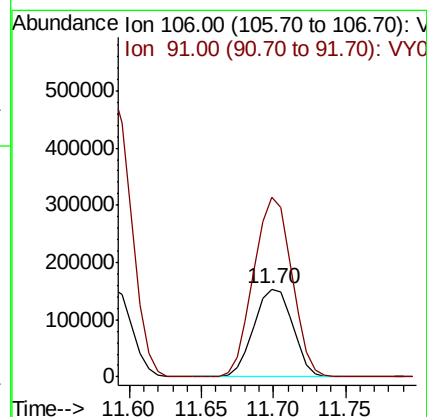
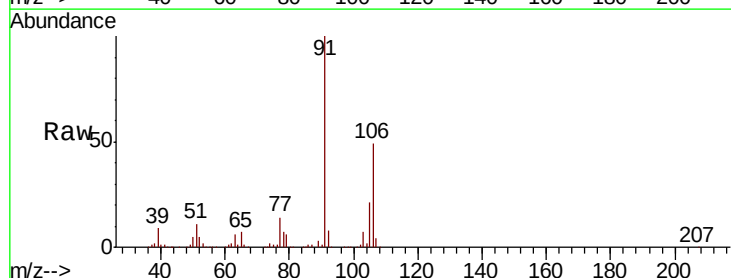
Acq: 11 Nov 2019 15:24

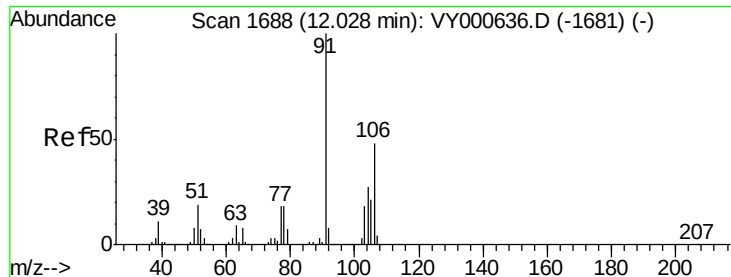
Tgt Ion: 106 Resp: 288452

Ion Ratio Lower Upper

106 100

91 204.4 138.8 257.8





#54

o-Xylene

Concen: 27.240 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

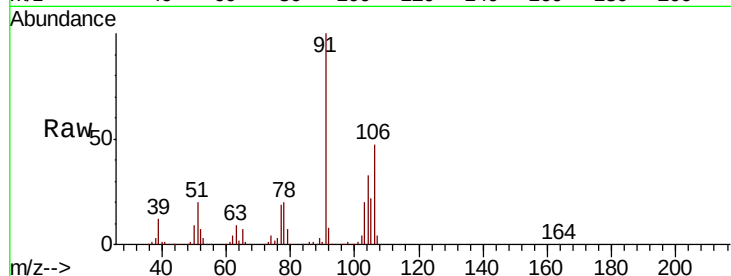
ClientSampleId :

Tot Ion:106 Resp: 275743

Ion Ratio Lower Upper

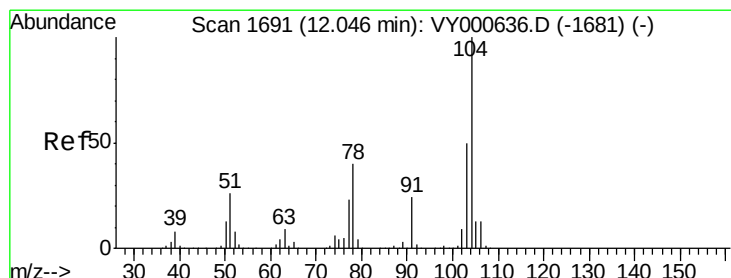
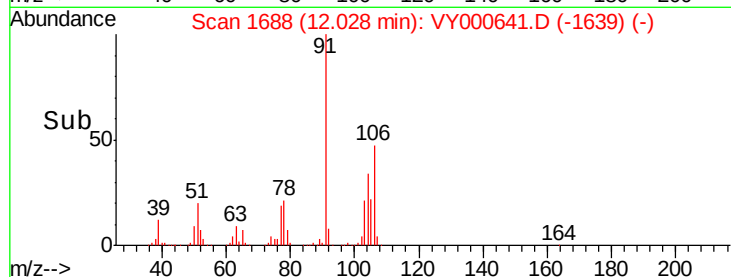
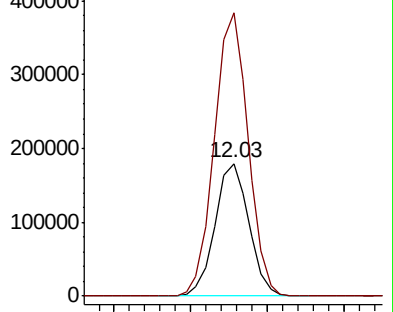
106 100

91 213.5 143.6 266.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 28.117 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VY000641.D

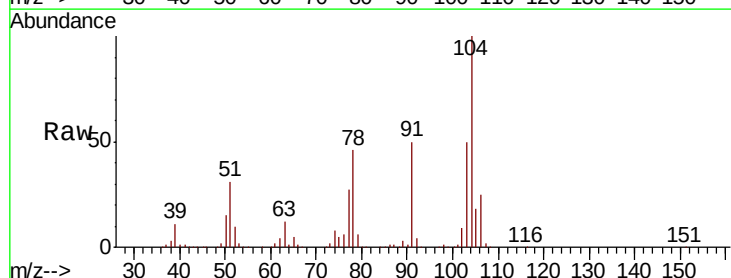
Acq: 11 Nov 2019 15:24

Tgt Ion:104 Resp: 481331

Ion Ratio Lower Upper

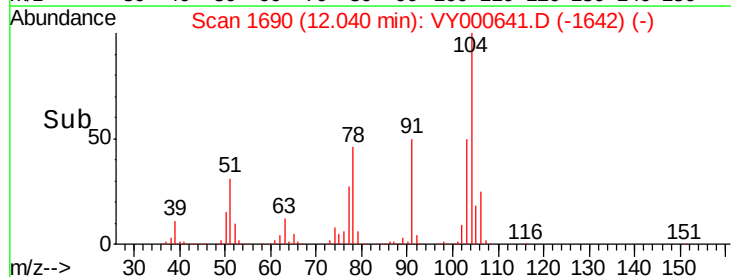
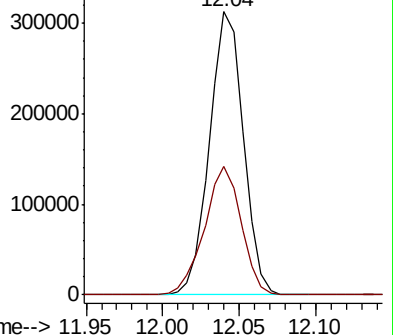
104 100

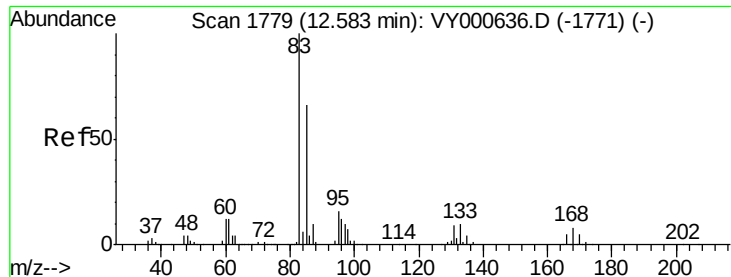
78 45.6 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

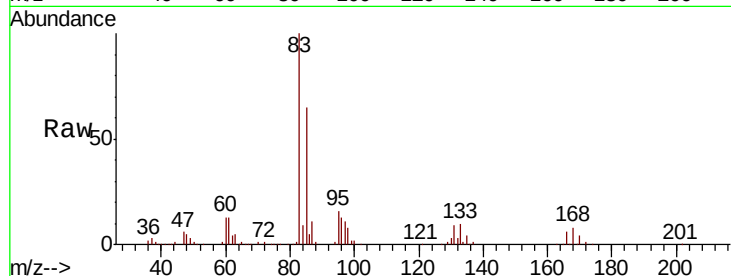




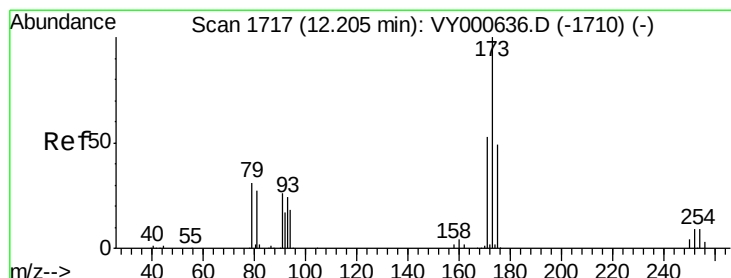
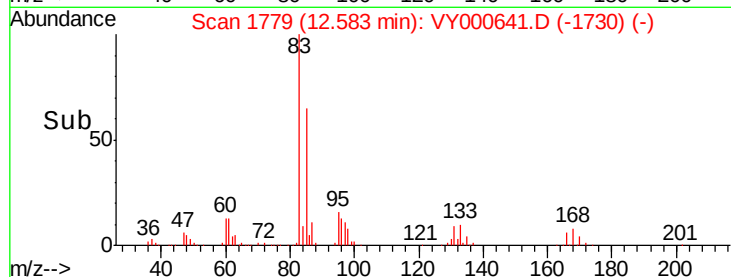
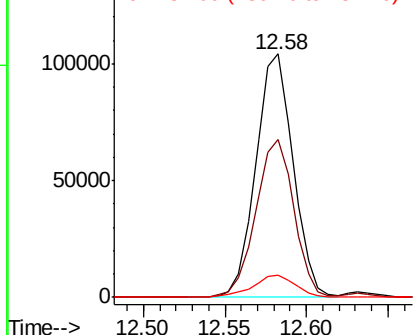
#57
 1,1,2,2-Tetrachloroethane
 Concen: 25.240 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 83 Resp: 165442
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.4 84.2
 131 9.3 7.9 11.9

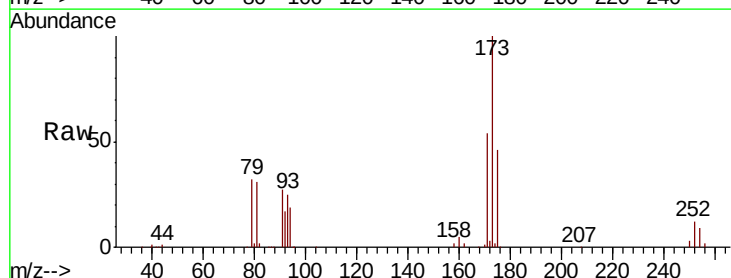


Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0
 Ion 131.00 (130.70 to 131.70): V

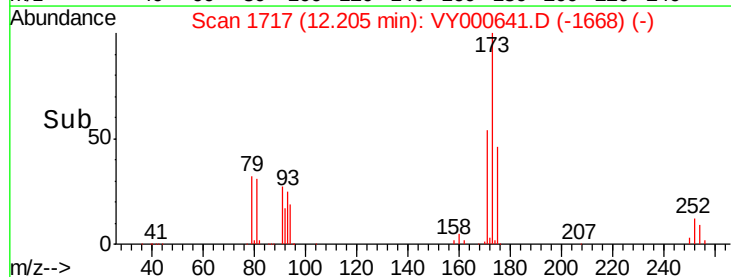
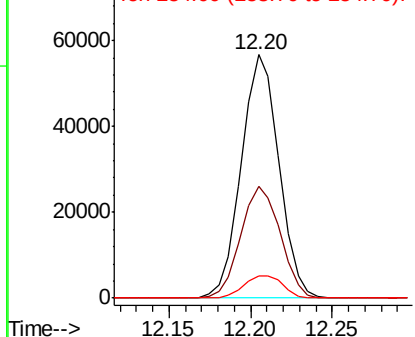


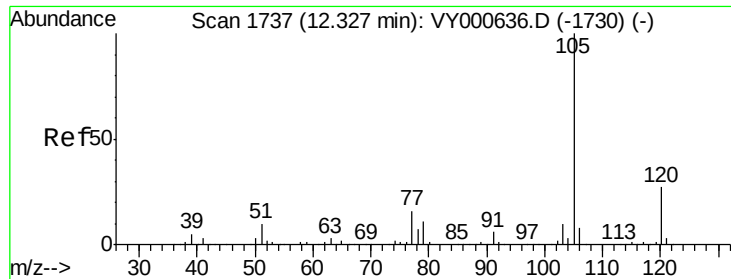
#59
 Bromoform
 Concen: 26.014 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion: 173 Resp: 91315
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.2 57.2
 254 9.4 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 28.222 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

ClientSampleId :

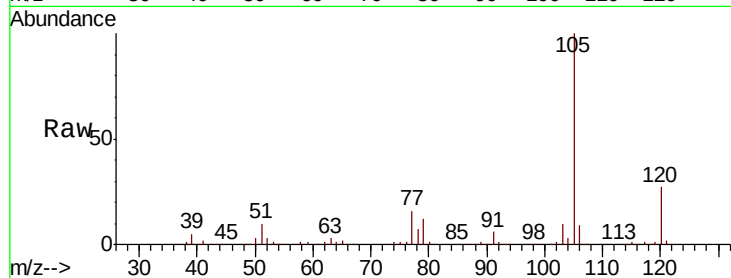
Tot Ion:105 Resp: 743730

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

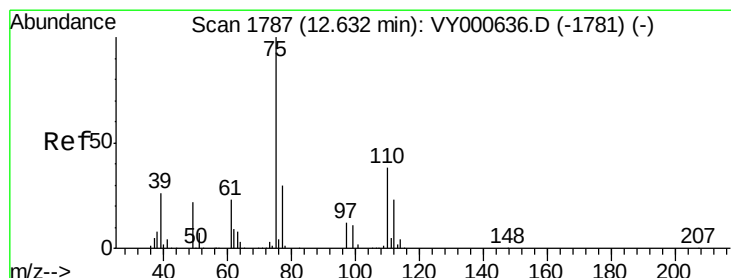
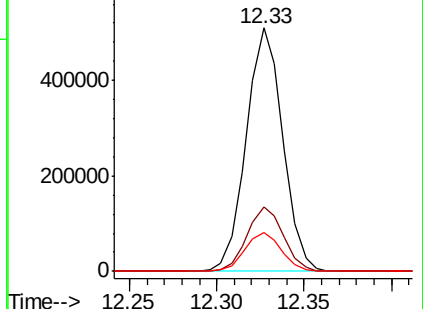
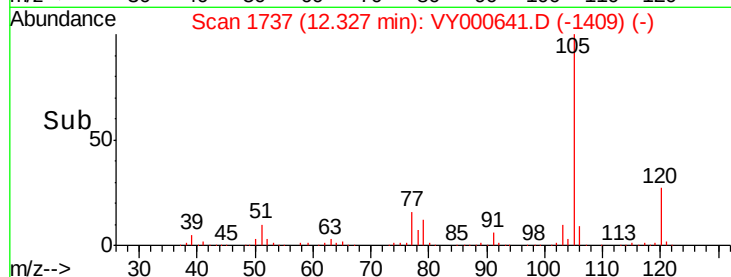
77 15.9 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000641.D (-1409) (-)

Ion 120.00 (119.70 to 120.70): VY000641.D (-1409) (-)

Ion 77.00 (76.70 to 77.70): VY000641.D (-1409) (-)



#61

1,2,3-Trichloropropane

Concen: 25.433 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

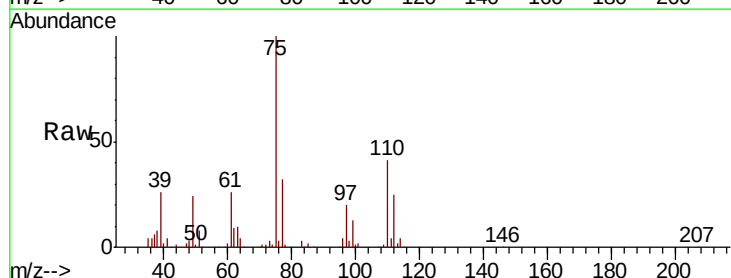
Tgt Ion: 75 Resp: 133288

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

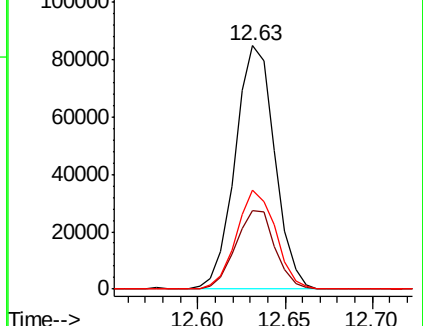
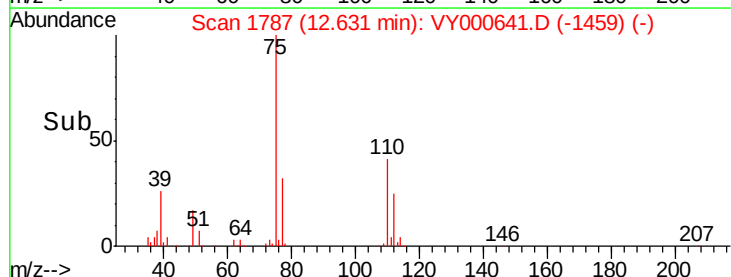
110 40.4 33.0 49.4

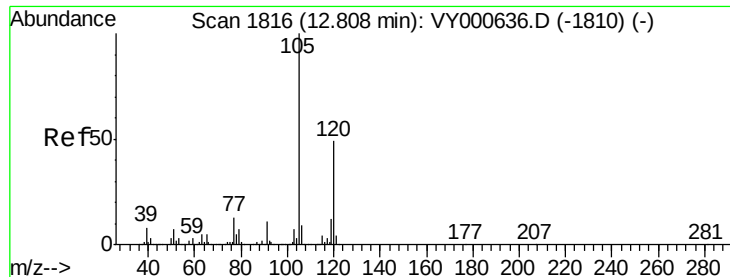


Abundance Ion 75.00 (74.70 to 75.70): VY000641.D (-1459) (-)

Ion 77.00 (76.70 to 77.70): VY000641.D (-1459) (-)

Ion 110.00 (109.70 to 110.70): VY000641.D (-1459) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.163 ug/L

RT: 12.97 min Scan# 1842

Delta R.T. 0.16 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Instrument :

MSVOA_Y

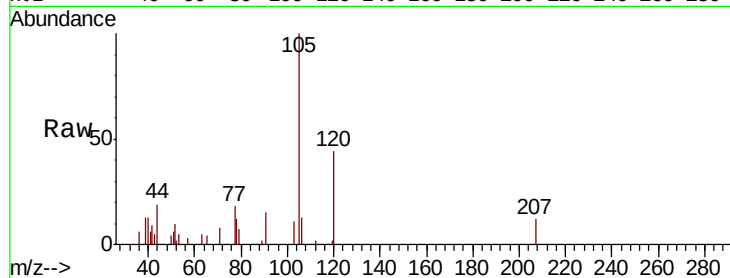
ClientSampleId :

Tot Ion:105 Resp: 3517

Ion Ratio Lower Upper

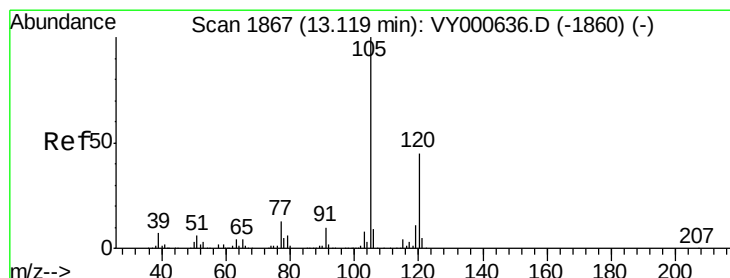
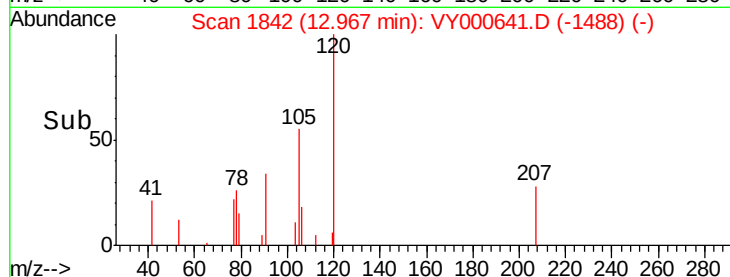
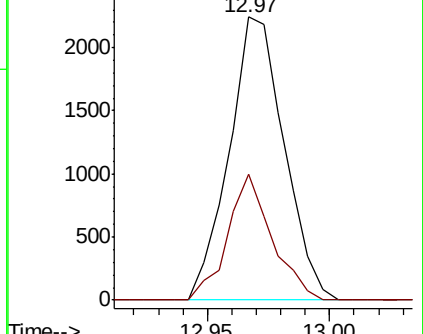
105 100

120 35.6 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 28.392 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000641.D

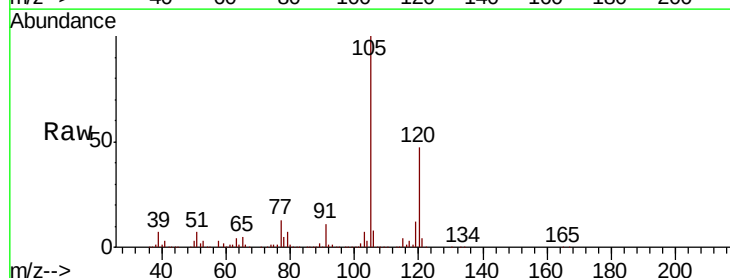
Acq: 11 Nov 2019 15:24

Tgt Ion:105 Resp: 604620

Ion Ratio Lower Upper

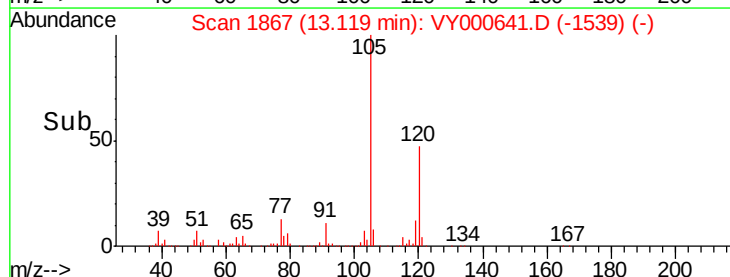
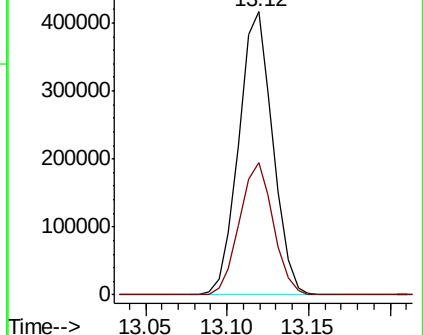
105 100

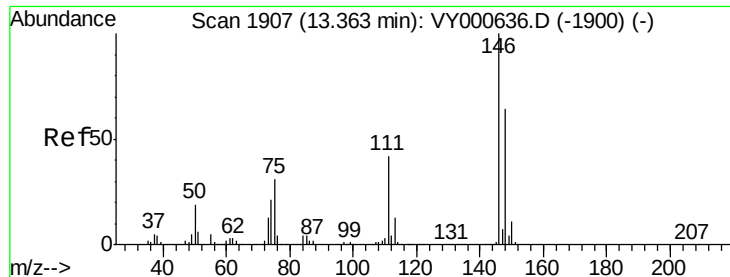
120 46.5 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

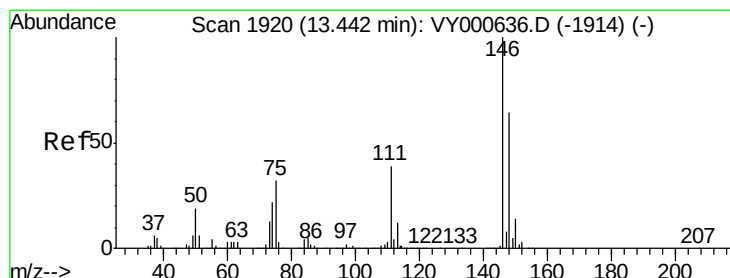
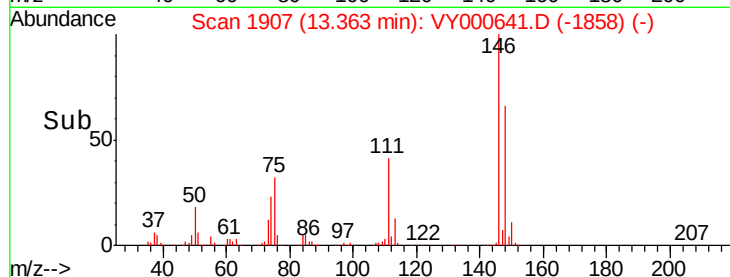
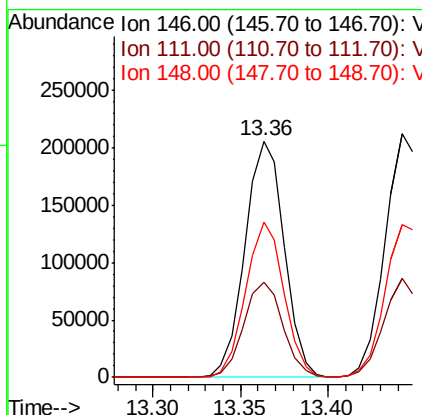
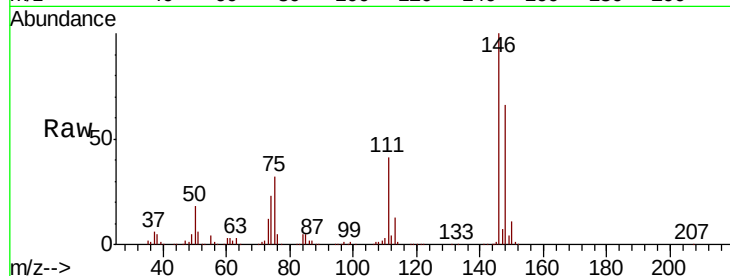




#64
 1,3-Dichlorobenzene
 Concen: 27.320 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

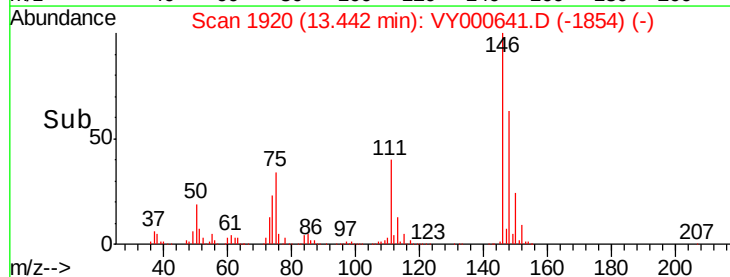
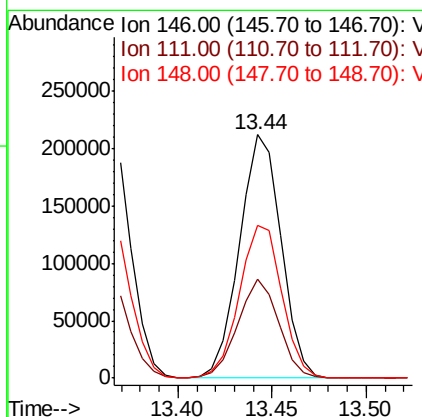
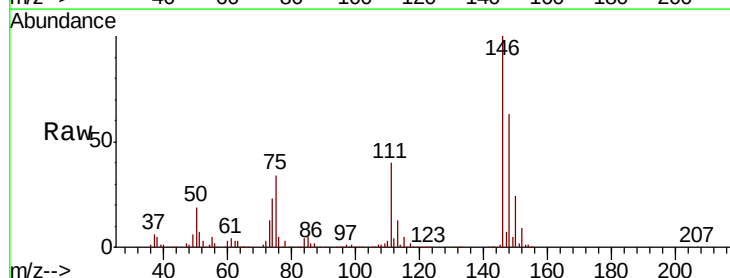
Instrument :
 MSVOA_Y
 ClientSampleId :

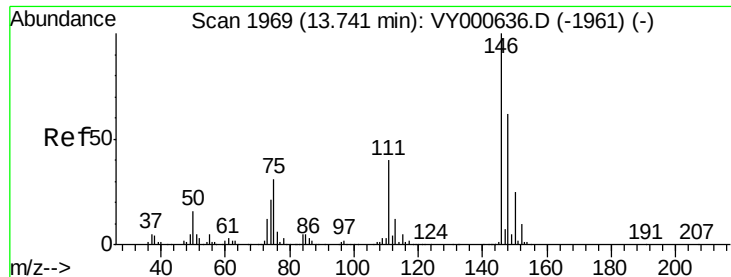
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.9	51.7
148	66.0	43.5	80.7



#65
 1,4-Dichlorobenzene
 Concen: 27.364 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.4	50.8
148	62.9	44.4	82.5

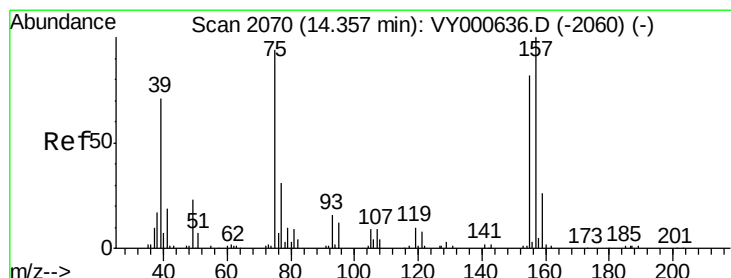
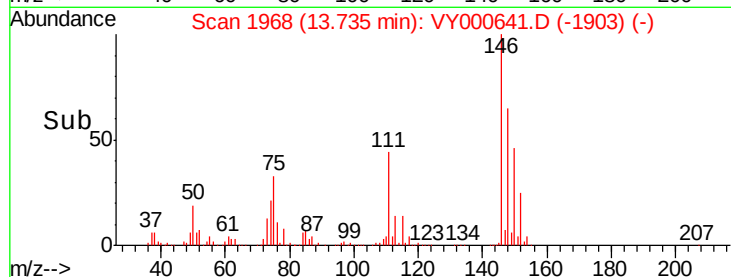
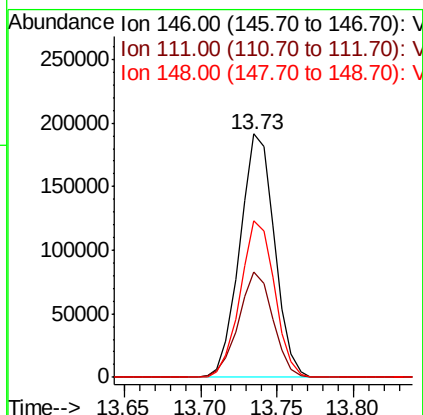
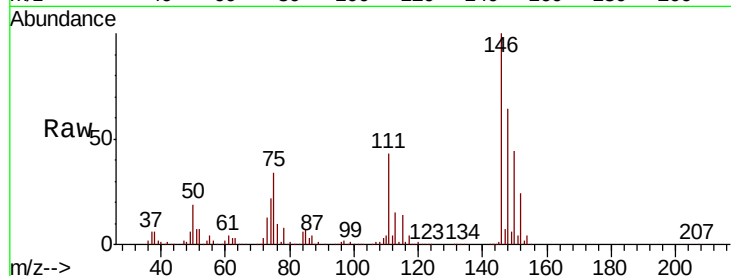




#67
 1,2-Dichlorobenzene
 Concen: 27.165 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

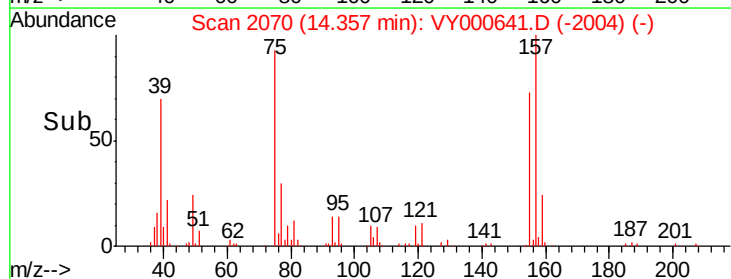
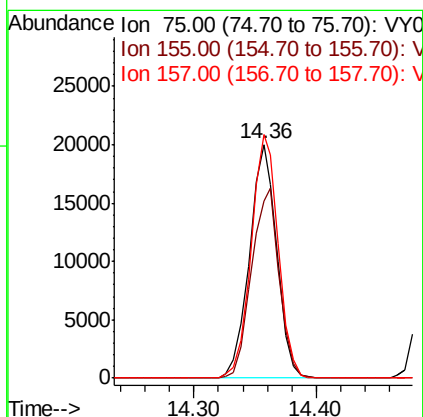
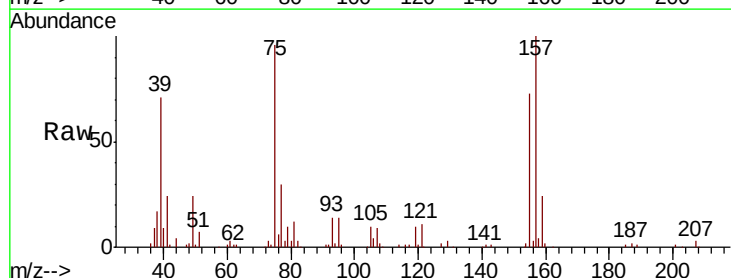
Instrument :
 MSVOA_Y
 ClientSampled :

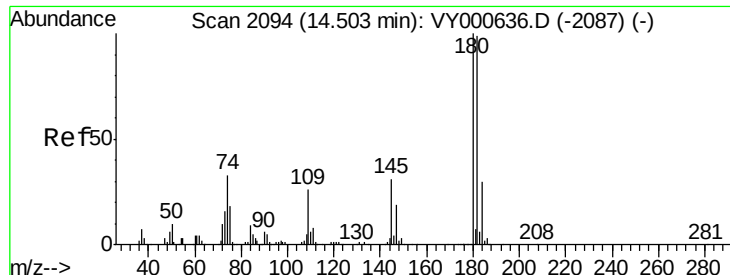
Tot Ion:146 Resp: 300537
 Ion Ratio Lower Upper
 146 100
 111 43.4 35.6 53.4
 148 64.3 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 25.616 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion: 75 Resp: 31076
 Ion Ratio Lower Upper
 75 100
 155 75.8 66.3 99.5
 157 104.2 86.4 129.6

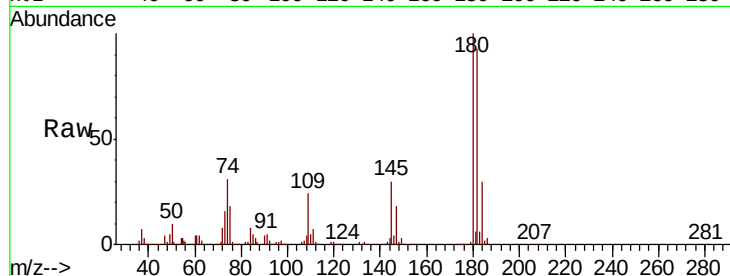




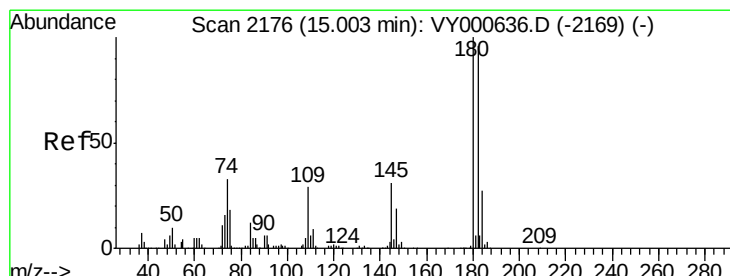
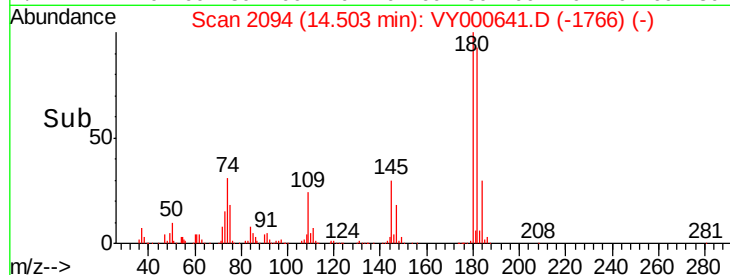
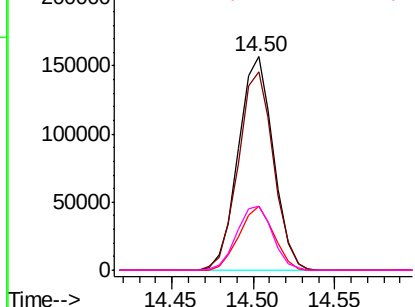
#69
 1,3,5-Trichlorobenzene
 Concen: 28.765 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	234543
Ion Ratio	Lower	Upper
180	100	
182	93.6	76.1 114.1
184	29.7	24.5 36.7
145	30.6	24.0 36.0

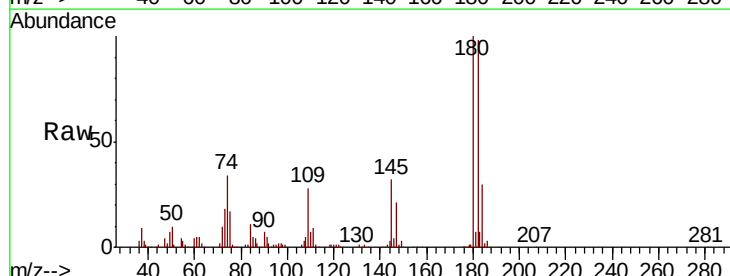


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

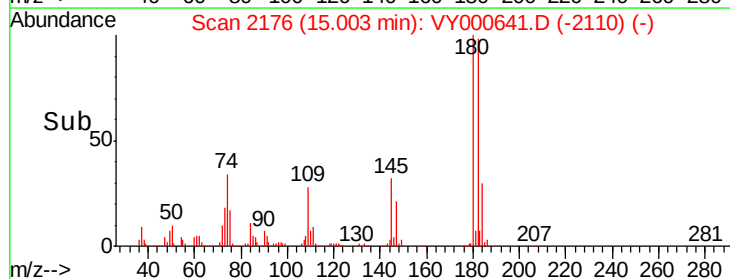
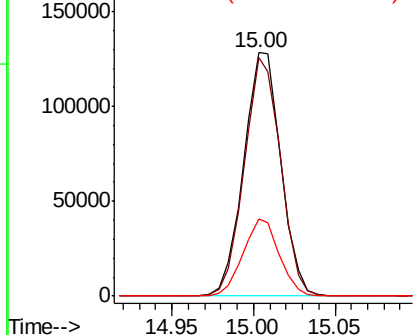


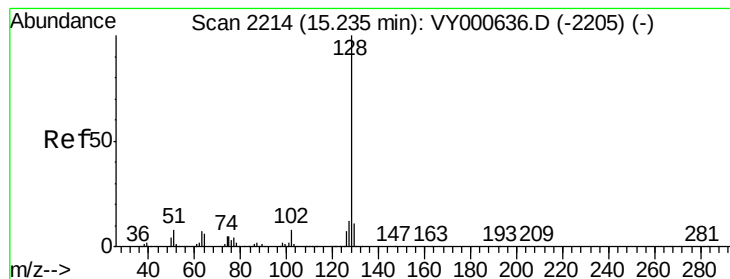
#70
 1,2,4-trichlorobenzene
 Concen: 27.448 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000641.D
 Acq: 11 Nov 2019 15:24

Tgt Ion:180	Resp:	203844
Ion Ratio	Lower	Upper
180	100	
182	95.5	74.6 112.0
145	30.9	24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 26.277 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

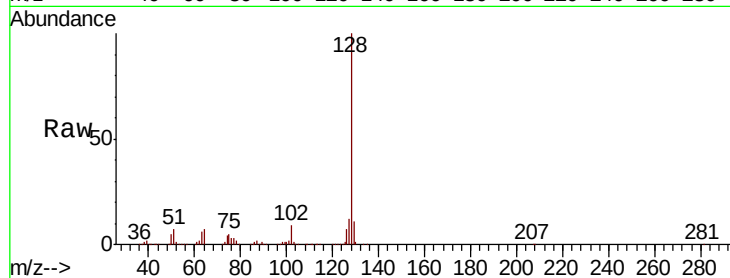
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:128 Resp: 509826

Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	11.0	8.8	13.2



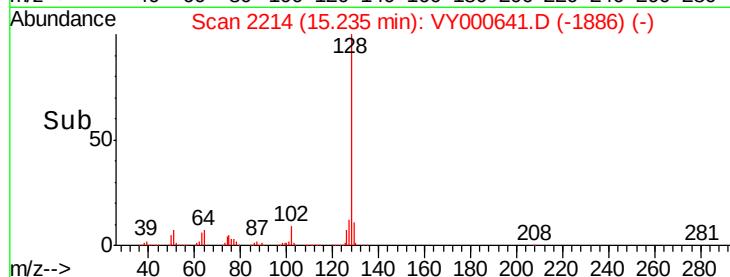
Abundance

Ion 128.00 (127.70 to 128.70): V

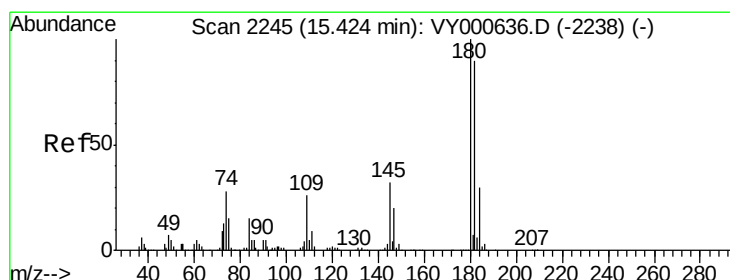
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.23



Time-->



#72

1,2,3-Trichlorobenzene

Concen: 27.556 ug/L

RT: 15.42 min Scan# 2245

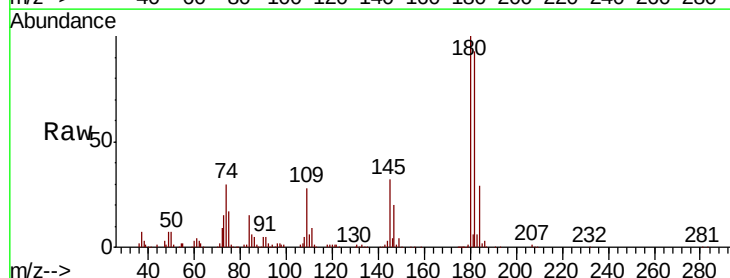
Delta R.T. -0.00 min

Lab File: VY000641.D

Acq: 11 Nov 2019 15:24

Tgt Ion:180 Resp: 189589

Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.0	112.4
145	31.9	26.5	39.7



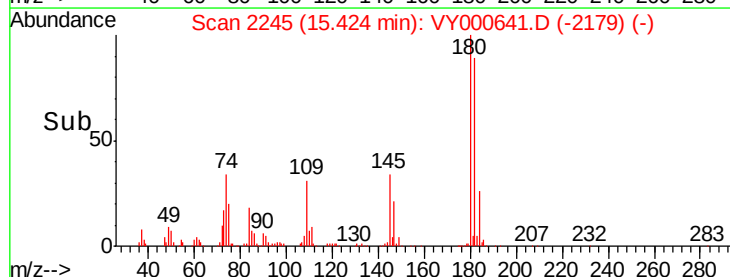
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

15.42



Time-->