

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001034.D
 Acq On : 23 Dec 2019 17:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 24 04:44:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	266130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	477186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	437834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	211545	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	145012	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	7.72	113	146935	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	10.18	98	594067	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.48	95	203234	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	126115	54.383	ug/l	97
3) Chloromethane	2.11	50	165711	52.504	ug/l	97
4) Vinyl Chloride	2.25	62	163159	53.232	ug/l	96
5) Bromomethane	2.64	94	106099	55.868	ug/l	97
6) Chloroethane	2.79	64	105431	55.227	ug/l	97
7) Trichlorofluoromethane	3.13	101	237581	52.847	ug/l	95
8) Diethyl Ether	3.53	74	102117	55.646	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	163326	55.307	ug/l	99
10) Methyl Iodide	4.09	142	208752	51.163	ug/l	99
11) Tert butyl alcohol	4.96	59	82022	284.204	ug/l	99
12) 1,1-Dichloroethene	3.88	96	160758	53.769	ug/l	98
13) Acrolein	3.73	56	104504	292.247	ug/l	97
14) Allyl chloride	4.49	41	268944	57.905	ug/l	98
15) Acrylonitrile	5.17	53	276085	301.026	ug/l	98
16) Acetone	3.95	43	169855	280.901	ug/l	98
17) Carbon Disulfide	4.19	76	471491	48.261	ug/l	100
18) Methyl Acetate	4.47	43	142753	61.534	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	449632	58.268	ug/l	99
20) Methylene Chloride	4.72	84	196909	55.325	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	180938	54.608	ug/l	93
22) Diisopropyl ether	6.13	45	571408	60.866	ug/l	99
23) Vinyl Acetate	6.07	43	1786643	301.346	ug/l	100
24) 1,1-Dichloroethane	6.02	63	316695	57.085	ug/l	98
25) 2-Butanone	6.99	43	323866	304.882	ug/l	97
26) 2,2-Dichloropropane	6.99	77	251898	55.265	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	209160	57.458	ug/l	99
28) Bromochloromethane	7.34	49	121815	56.275	ug/l	100
29) Tetrahydrofuran	7.35	42	226666	299.975	ug/l	99
30) Chloroform	7.51	83	307584	58.633	ug/l	97
31) Cyclohexane	7.79	56	293396	50.293	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	249363	55.724	ug/l	99
36) 1,1-Dichloropropene	7.93	75	243444	53.477	ug/l	100
37) Ethyl Acetate	7.08	43	142757	56.635	ug/l	98
38) Carbon Tetrachloride	7.91	117	216281	54.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	317758	52.563	ug/l	98
40) Benzene	8.16	78	753937	54.897	ug/l	96
41) Methacrylonitrile	7.35	41	197054	180.314	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	186753	56.876	ug/l	99
43) Isopropyl Acetate	8.28	43	273530	58.620	ug/l	99
44) Trichloroethene	8.94	130	198109	54.748	ug/l	100
45) 1,2-Dichloropropane	9.22	63	194506	56.455	ug/l	99
46) Dibromomethane	9.31	93	102977	57.982	ug/l	99
47) Bromodichloromethane	9.50	83	233718	56.811	ug/l	99
48) Methyl methacrylate	9.29	41	117641	59.080	ug/l	98
49) 1,4-Dioxane	9.30	88	30993	1192.941	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	731832	300.909	ug/l	99
52) Toluene	10.24	92	469842	55.583	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	261961	58.673	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	308108	57.390	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	156161	58.897	ug/l	94
56) Ethyl methacrylate	10.51	69	226308	59.972	ug/l	99
57) 1,3-Dichloropropane	10.79	76	269683	58.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	437283	300.023	ug/l	98
59) 2-Hexanone	10.83	43	503726	299.329	ug/l	99
60) Dibromochloromethane	10.98	129	169866	59.977	ug/l	98
61) 1,2-Dibromoethane	11.08	107	147317	58.103	ug/l	100
64) Tetrachloroethene	10.72	164	204738	54.045	ug/l	98
65) Chlorobenzene	11.51	112	489482	53.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	170462	56.875	ug/l	99
67) Ethyl Benzene	11.59	91	901141	55.164	ug/l	100
68) m/p-Xylenes	11.70	106	679470	109.547	ug/l	99
69) o-Xylene	12.02	106	325198	55.731	ug/l	99
70) Styrene	12.04	104	557618	56.201	ug/l	99
71) Bromoform	12.20	173	98530	59.041	ug/l #	97
73) Isopropylbenzene	12.33	105	850945	51.981	ug/l	100
74) N-amyl acetate	12.14	43	238605	55.481	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	177818	55.138	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	241123	92.458	ug/l #	100
77) Bromobenzene	12.60	156	192565	52.302	ug/l	99
78) n-propylbenzene	12.67	91	1040155	52.145	ug/l	100
79) 2-Chlorotoluene	12.75	91	574459	52.149	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	706158	52.625	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68305	55.860	ug/l	97
82) 4-Chlorotoluene	12.85	91	598967	52.349	ug/l	99
83) tert-Butylbenzene	13.07	119	599033	53.181	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	705417	52.314	ug/l	99
85) sec-Butylbenzene	13.25	105	874684	52.673	ug/l	100
86) p-Isopropyltoluene	13.36	119	764795	53.226	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	375414	53.091	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	374960	52.565	ug/l	100
89) n-Butylbenzene	13.69	91	761713	52.690	ug/l	99
90) Hexachloroethane	13.95	117	144535	53.390	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	341507	52.356	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29319	54.339	ug/l	98

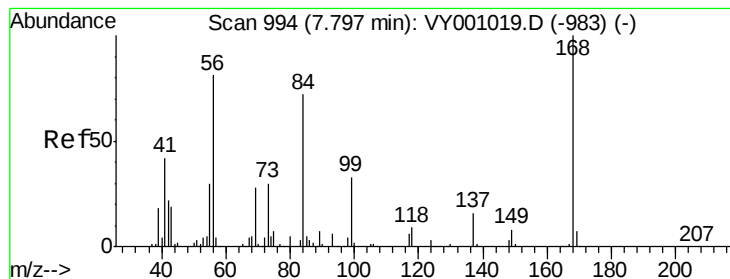
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	233416	53.016	ug/l	99
94) Hexachlorobutadiene	15.11	225	112567	53.728	ug/l	99
95) Naphthalene	15.23	128	555157	53.618	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	210503	53.613	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

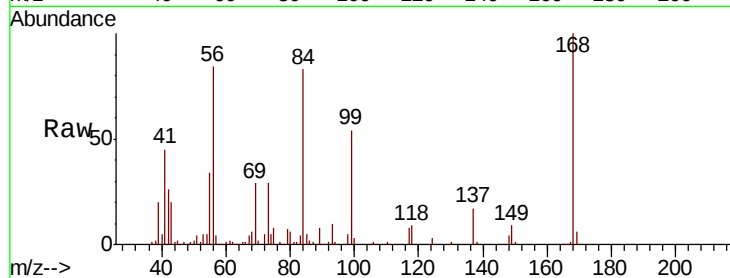
VSTDCCC050EC

Tot Ion:168 Resp: 266130

Ion Ratio Lower Upper

168 100

99 54.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

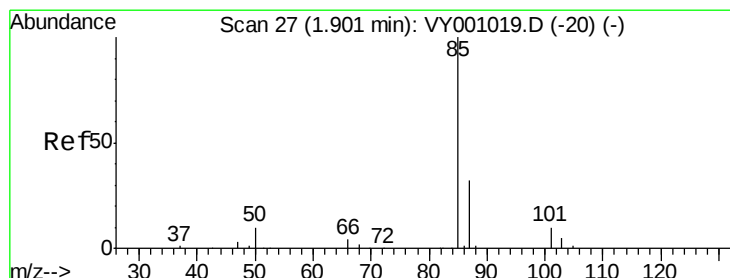
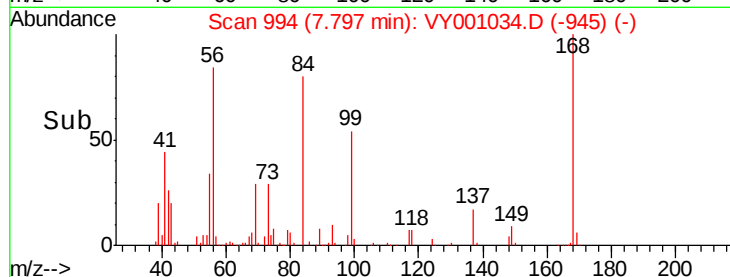
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 54.383 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001034.D

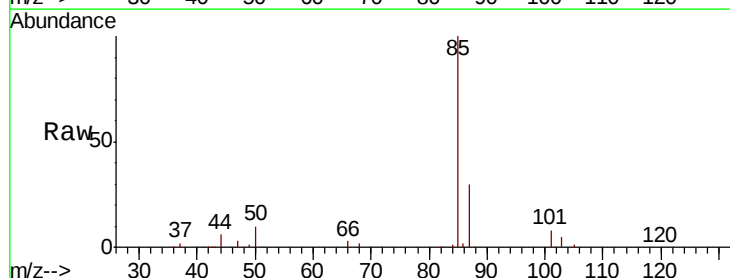
Acq: 23 Dec 2019 17:22

Tgt Ion: 85 Resp: 126115

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

80000

60000

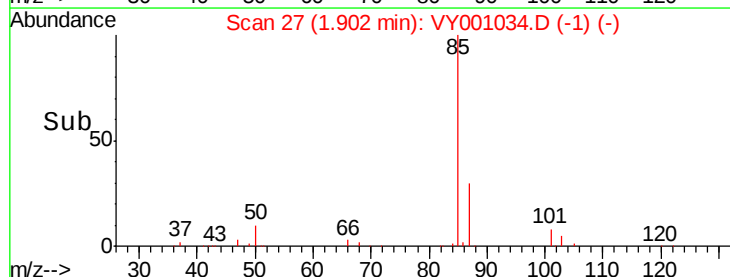
40000

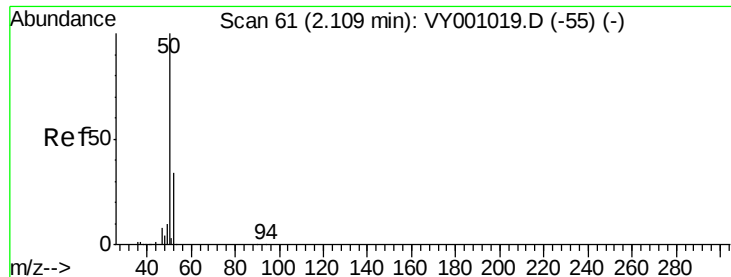
20000

0

1.80 1.90 2.00

Time-->

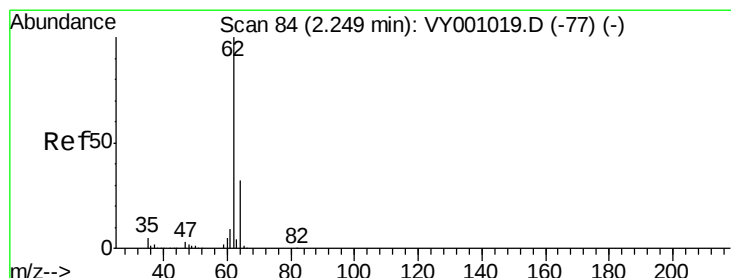
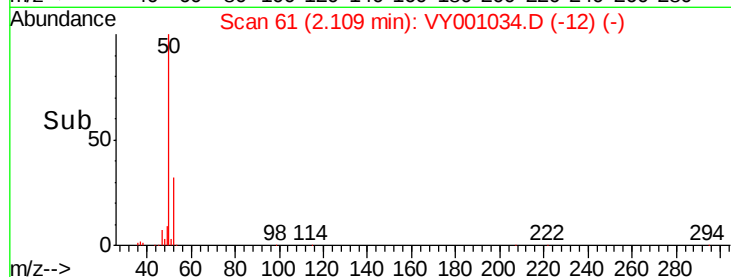
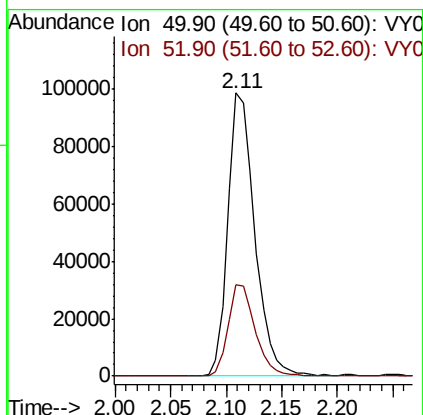
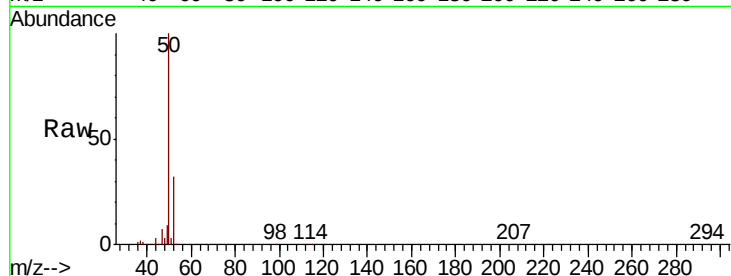




#3
Chloromethane
Concen: 52.504 ug/l
RT: 2.11 min Scan# 61
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

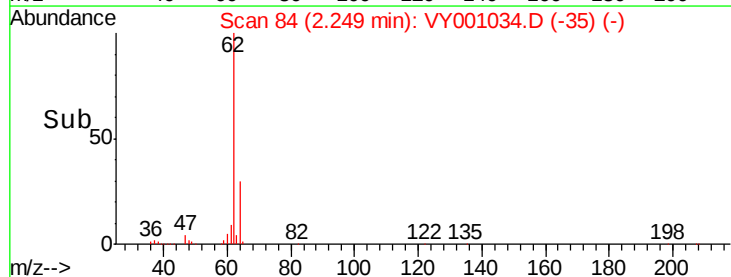
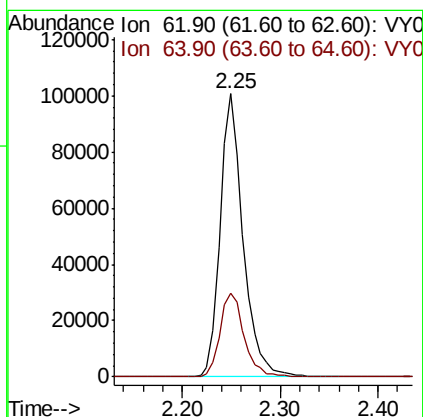
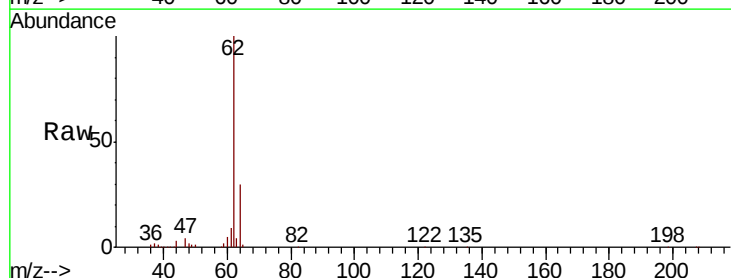
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

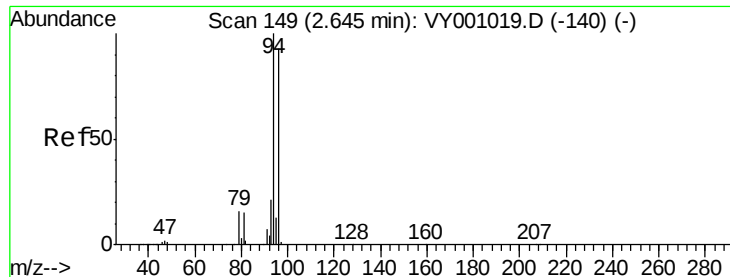
Tot Ion: 50 Resp: 165711
Ion Ratio Lower Upper
50 100
52 32.2 27.1 40.7



#4
Vinyl Chloride
Concen: 53.232 ug/l
RT: 2.25 min Scan# 84
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 62 Resp: 163159
Ion Ratio Lower Upper
62 100
64 29.7 25.6 38.4





#5

Bromomethane

Concen: 55.868 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

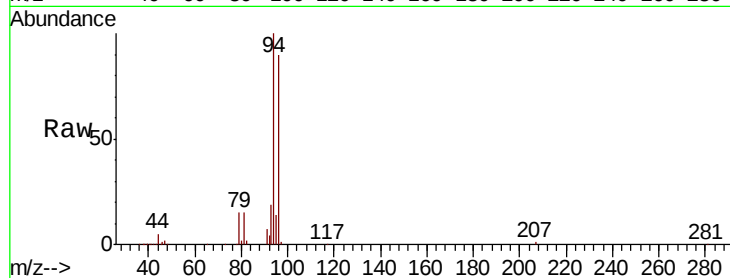
VSTDCCC050EC

Tot Ion: 94 Resp: 106099

Ion Ratio Lower Upper

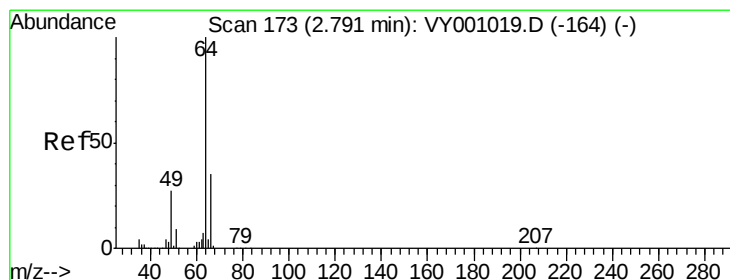
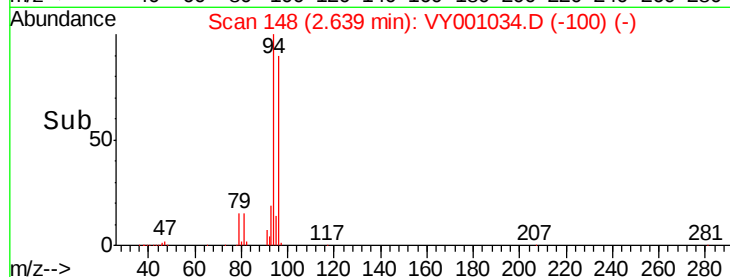
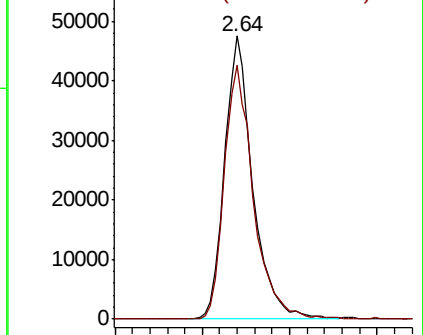
94 100

96 89.6 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 55.227 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001034.D

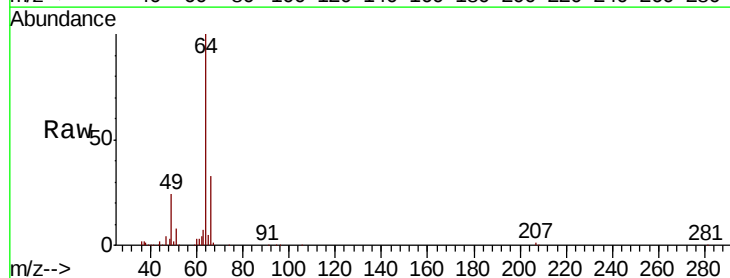
Acq: 23 Dec 2019 17:22

Tgt Ion: 64 Resp: 105431

Ion Ratio Lower Upper

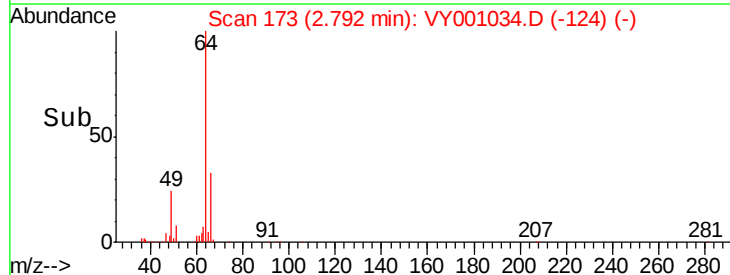
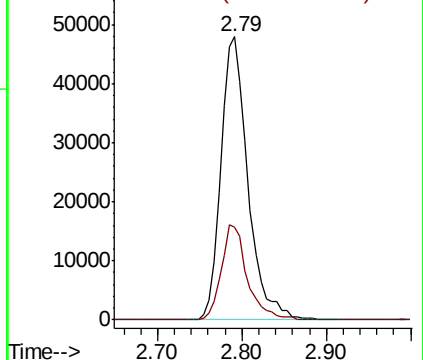
64 100

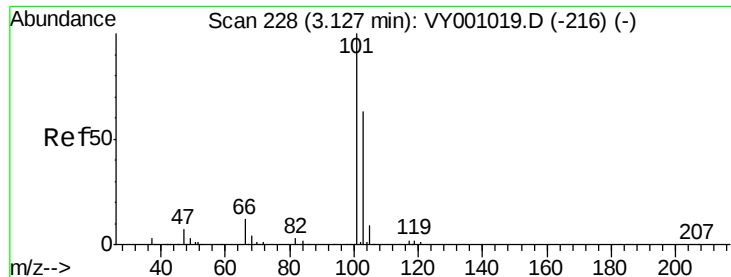
66 32.8 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



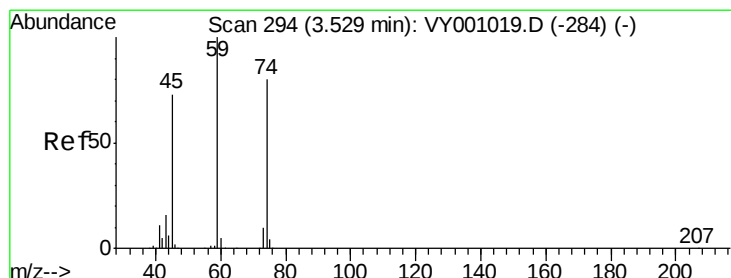
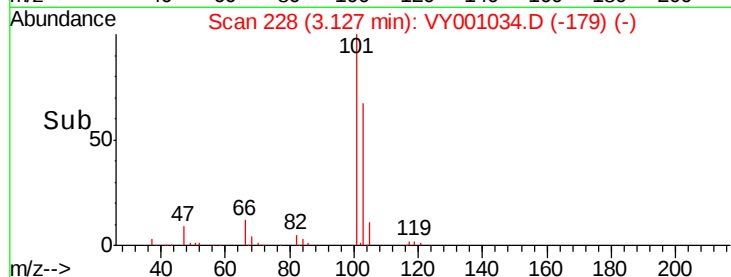
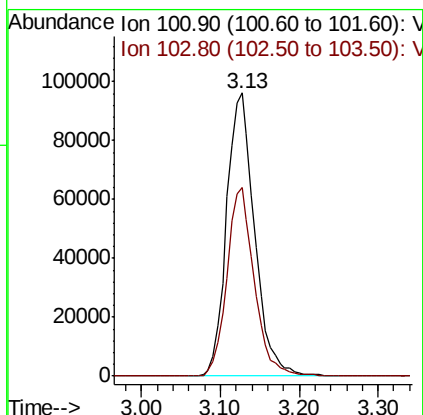
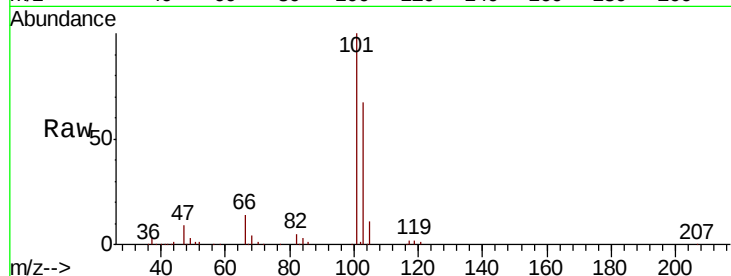


#7

Trichlorofluoromethane
 Concen: 52.847 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
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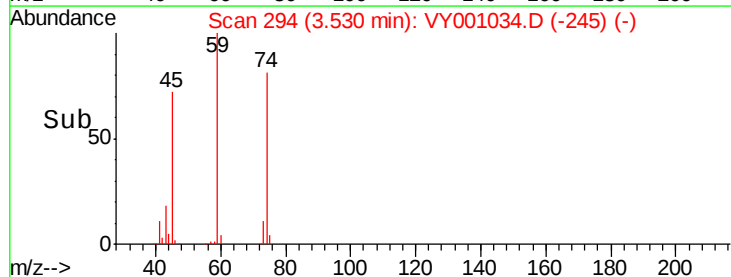
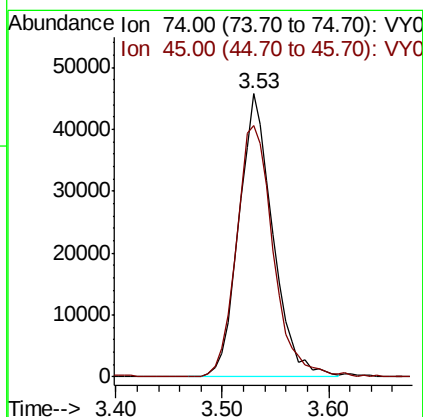
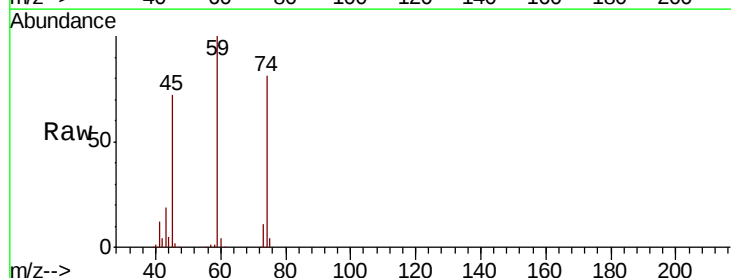
Tot Ion:101 Resp: 237581
 Ion Ratio Lower Upper
 101 100
 103 66.5 50.2 75.2

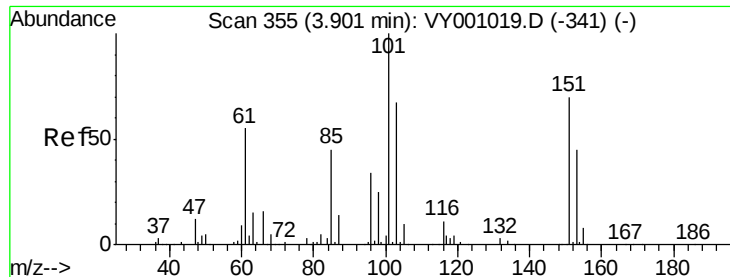


#8

Diethyl Ether
 Concen: 55.646 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 74 Resp: 102117
 Ion Ratio Lower Upper
 74 100
 45 97.0 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.307 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

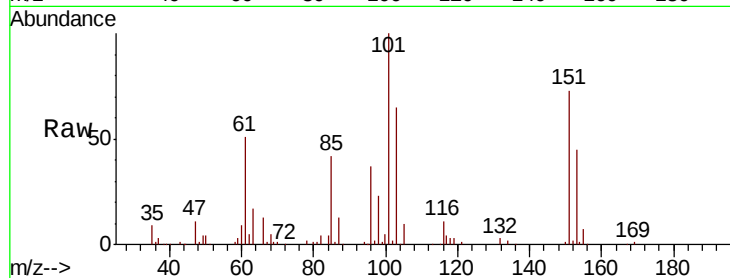
Tot Ion:101 Resp: 163326

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

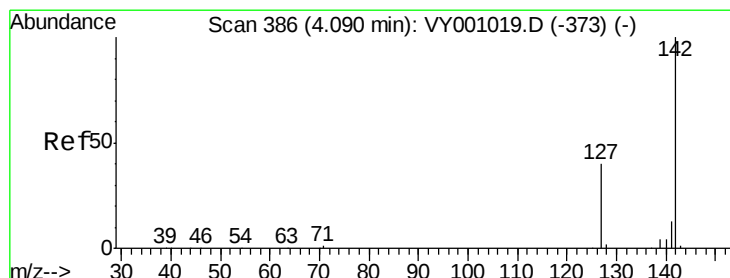
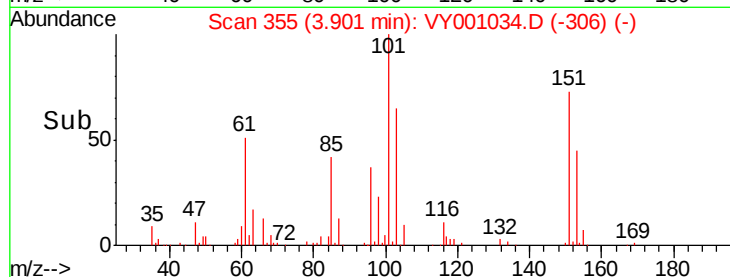
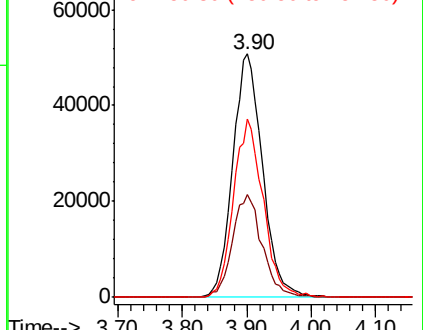
151 72.7 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.163 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

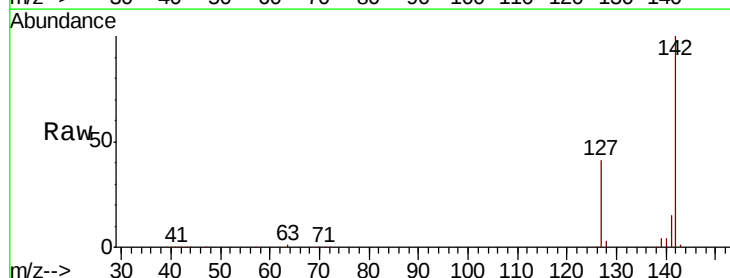
Tgt Ion:142 Resp: 208752

Ion Ratio Lower Upper

142 100

127 39.6 31.2 46.8

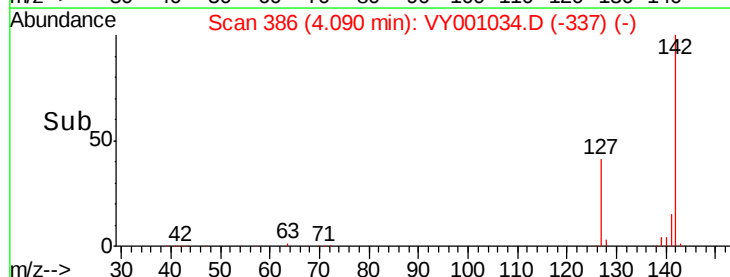
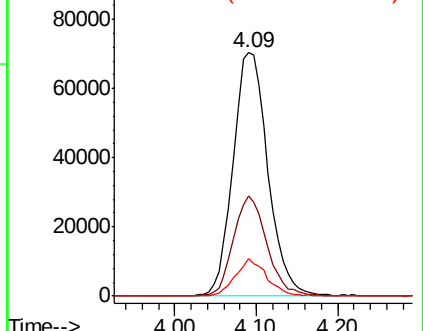
141 13.6 11.0 16.4

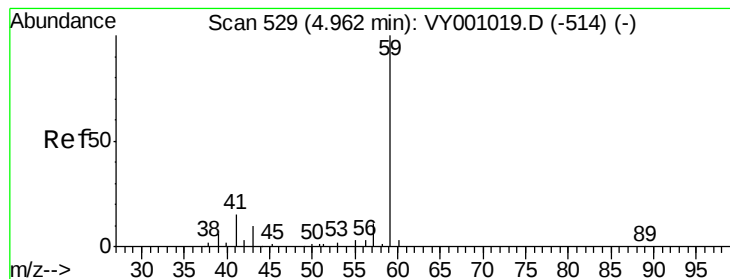


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



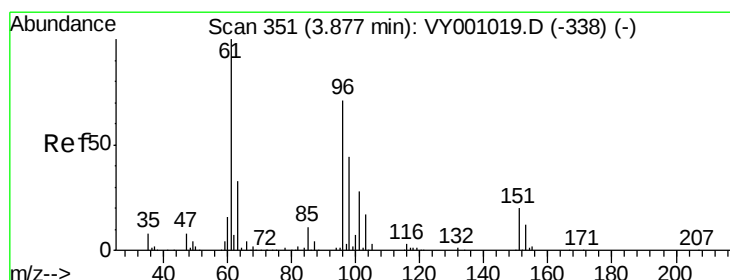
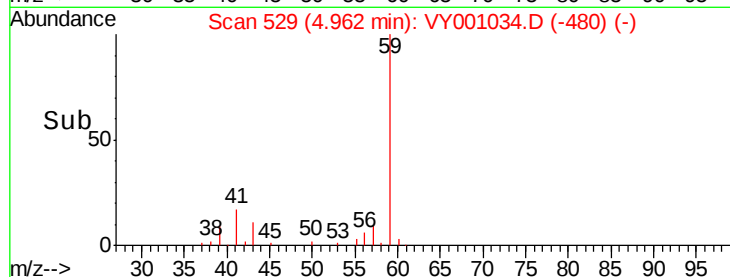
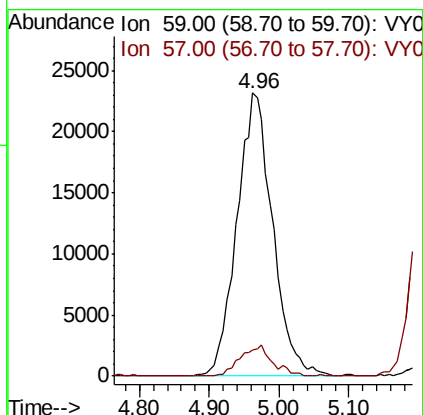
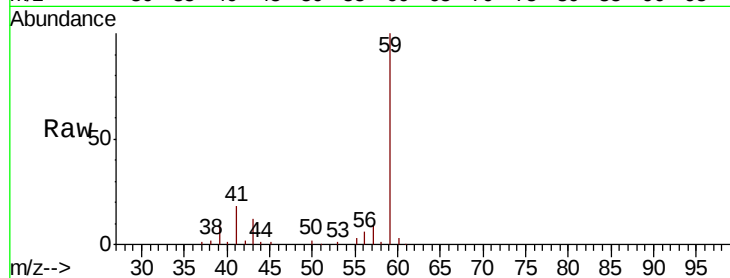


#11

Tert butyl alcohol
 Concen: 284.204 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

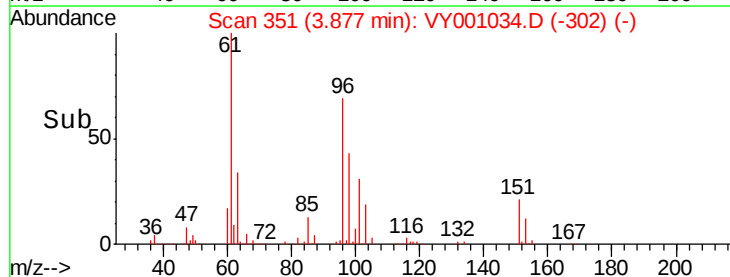
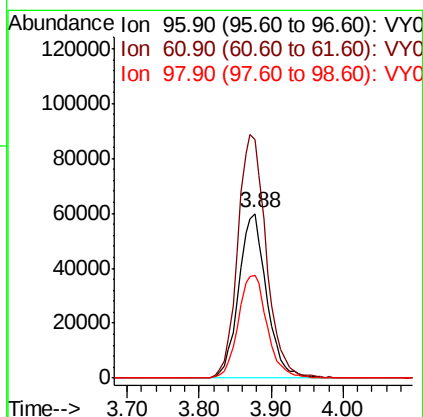
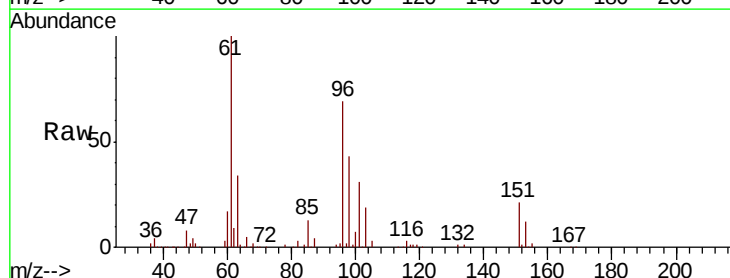
Tot Ion: 59 Resp: 82022
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.6

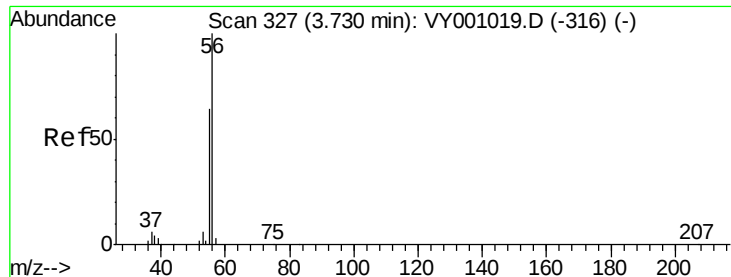


#12

1,1-Dichloroethene
 Concen: 53.769 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 96 Resp: 160758
 Ion Ratio Lower Upper
 96 100
 61 144.6 113.0 169.4
 98 62.3 49.8 74.8





#13

Acrolein

Concen: 292.247 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

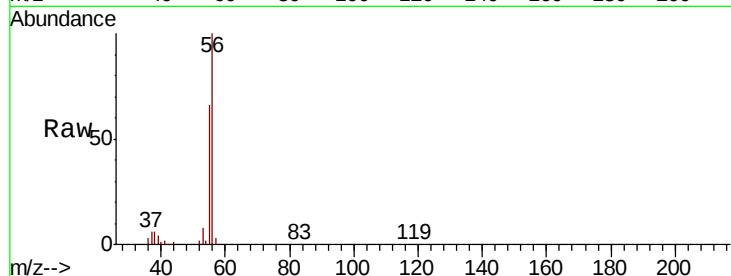
VSTDCCC050EC

Tot Ion: 56 Resp: 104504

Ion Ratio Lower Upper

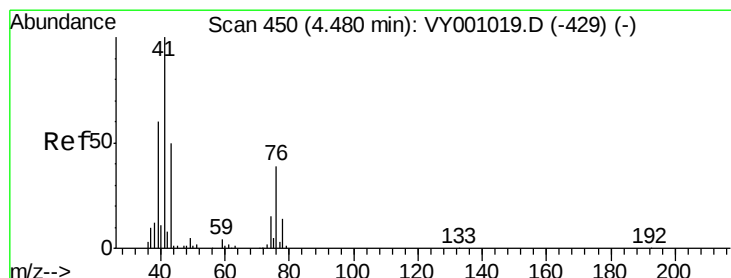
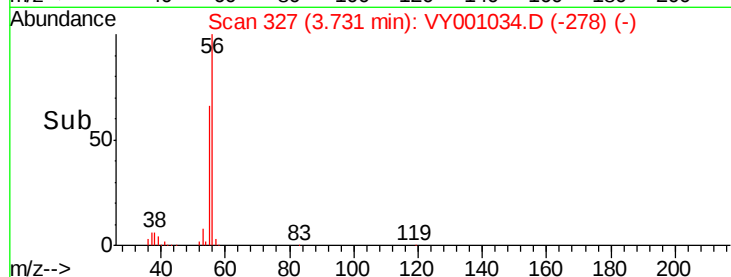
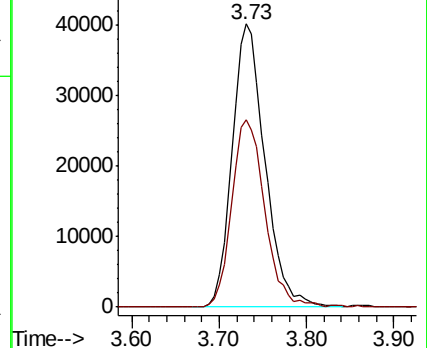
56 100

55 66.7 55.6 83.4



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 57.905 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

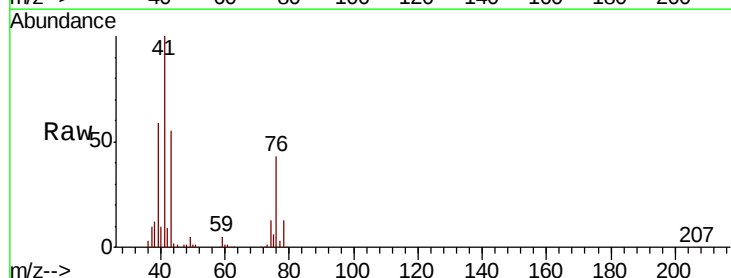
Tgt Ion: 41 Resp: 268944

Ion Ratio Lower Upper

41 100

39 57.0 46.0 69.0

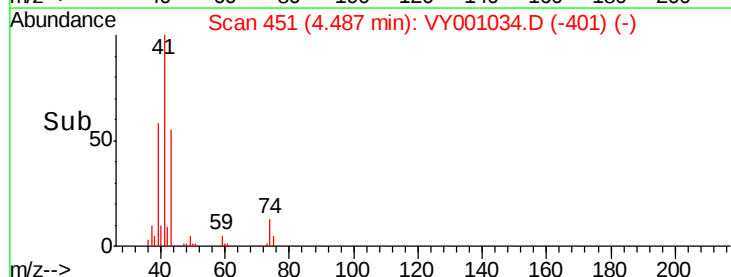
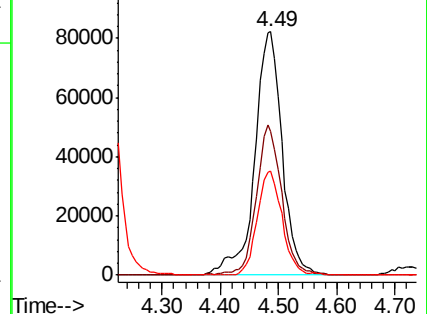
76 38.8 32.6 48.8

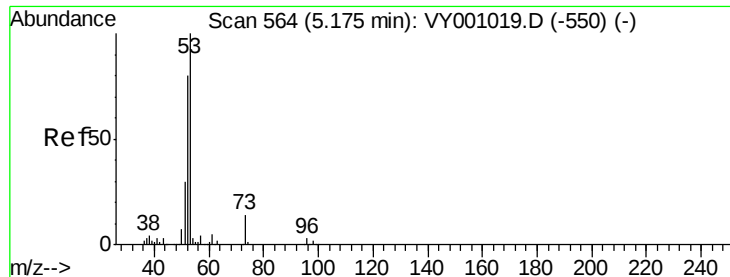


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 301.026 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

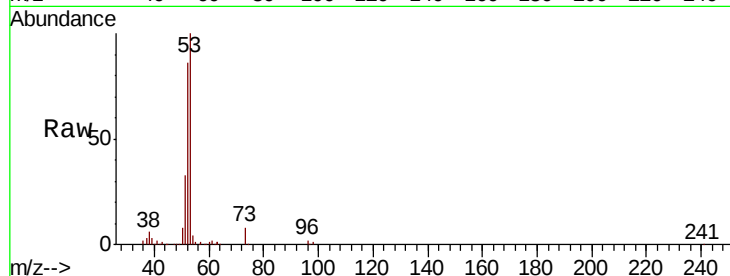
Tot Ion: 53 Resp: 276085

Ion Ratio Lower Upper

53 100

52 81.8 63.6 95.4

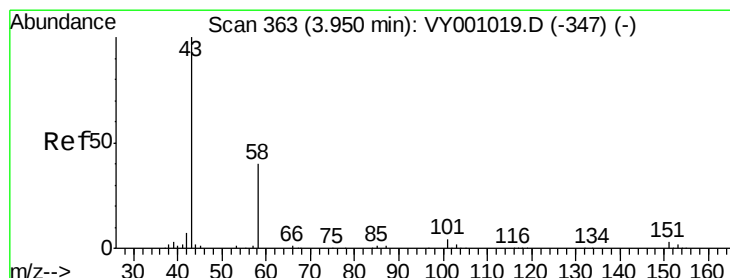
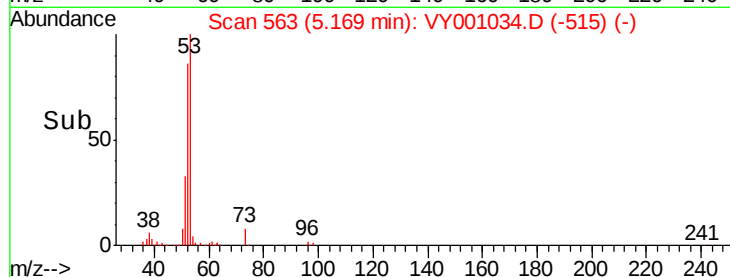
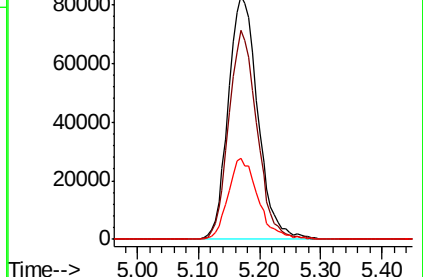
51 33.8 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY001019.D (-550) (-)

Ion 52.00 (51.70 to 52.70): VY001019.D (-550) (-)

Ion 51.00 (50.70 to 51.70): VY001019.D (-550) (-)



#16

Acetone

Concen: 280.901 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001034.D

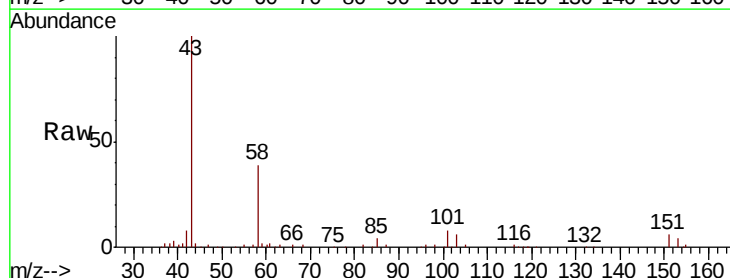
Acq: 23 Dec 2019 17:22

Tgt Ion: 43 Resp: 169855

Ion Ratio Lower Upper

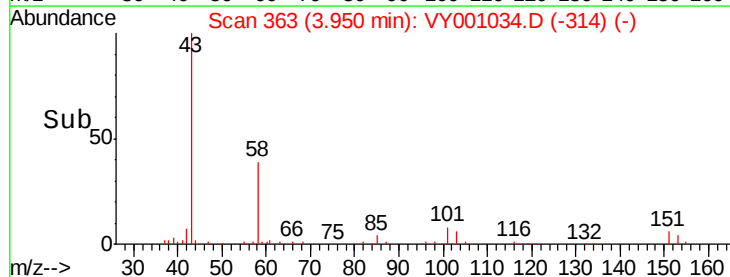
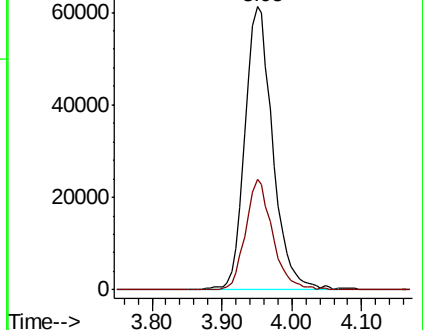
43 100

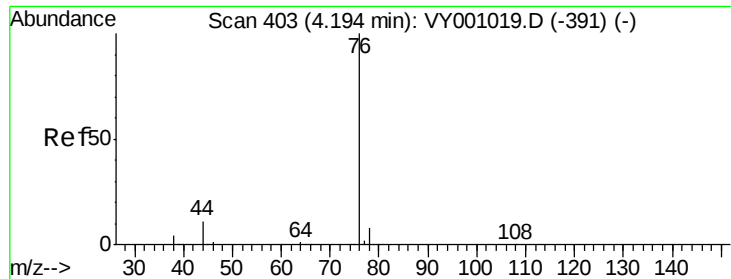
58 39.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

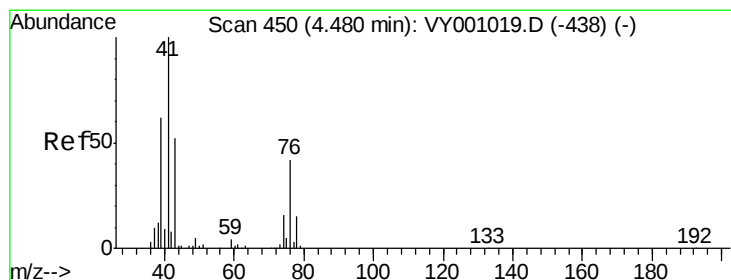
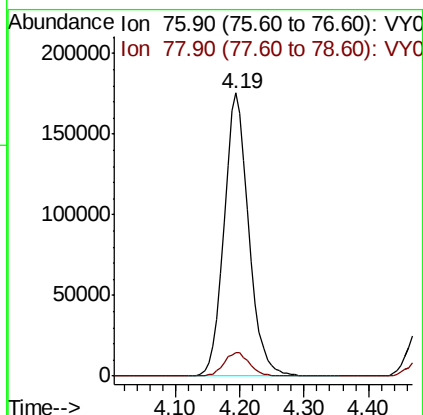
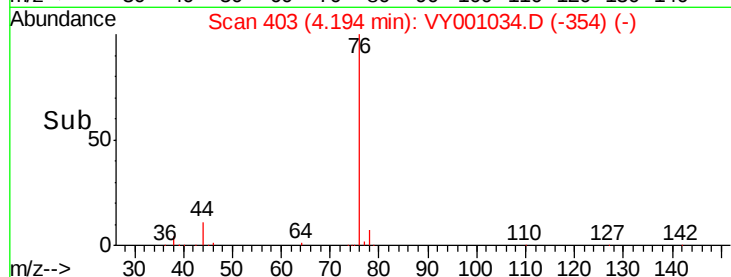
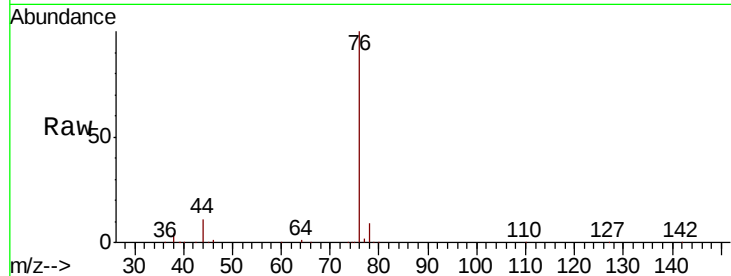




#17
Carbon Disulfide
Concen: 48.261 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

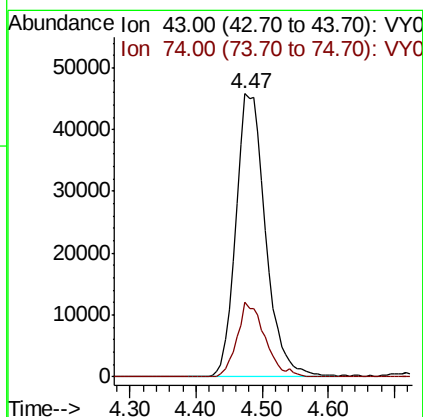
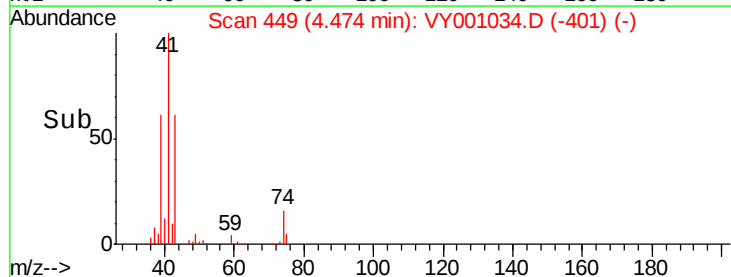
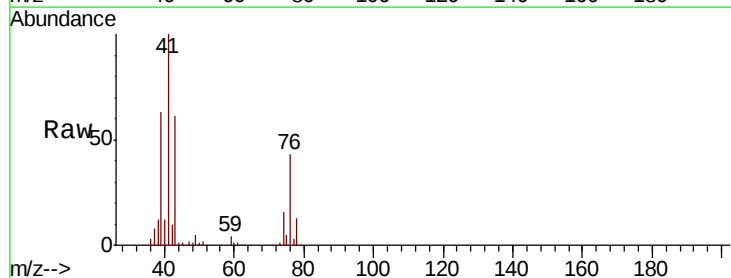
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

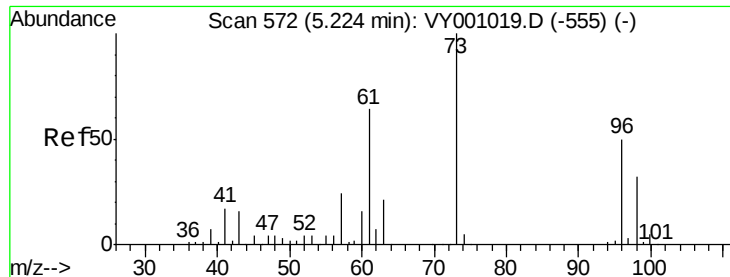
Tot Ion: 76 Resp: 471491
Ion Ratio Lower Upper
76 100
78 8.5 6.7 10.1



#18
Methyl Acetate
Concen: 61.534 ug/l
RT: 4.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 43 Resp: 142753
Ion Ratio Lower Upper
43 100
74 24.9 20.7 31.1

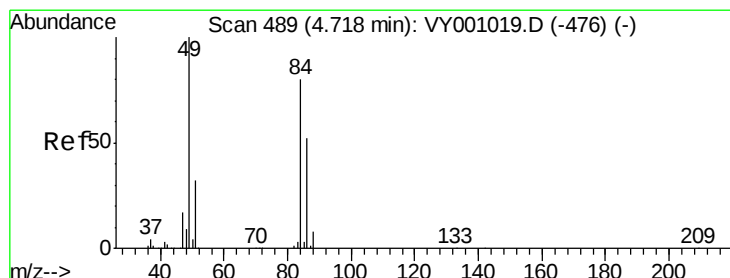
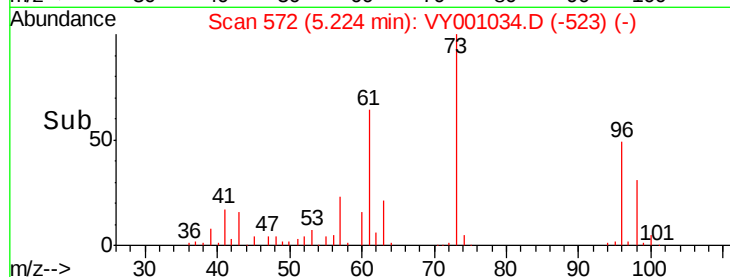
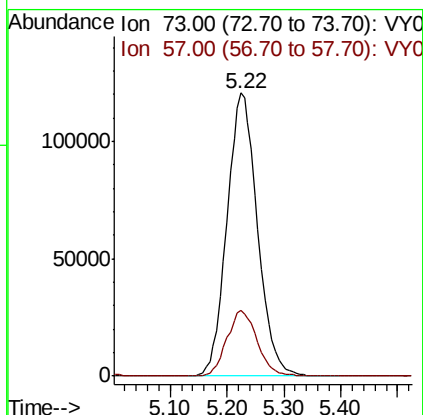
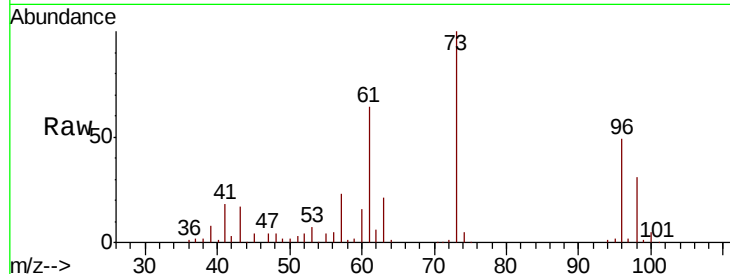




#19
Methvl tert-butvl Ether
Concen: 58.268 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

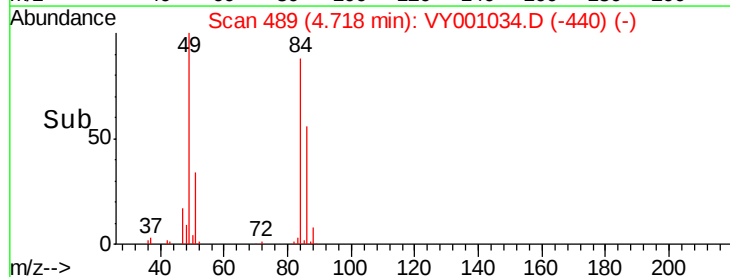
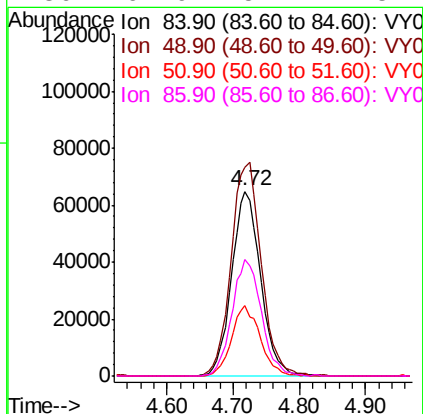
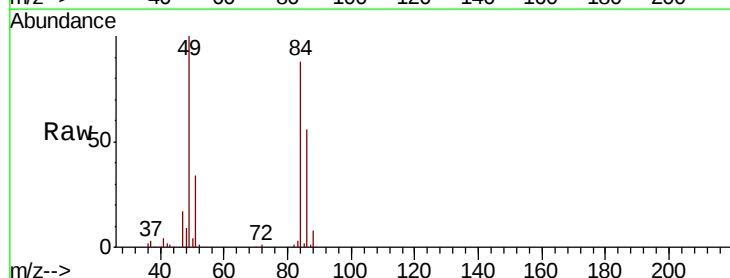
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

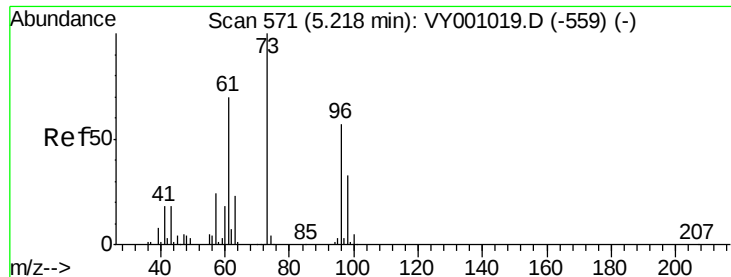
Tot Ion: 73 Resp: 449632
Ion Ratio Lower Upper
73 100
57 23.3 19.0 28.6



#20
Methylene Chloride
Concen: 55.325 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 84 Resp: 196909
Ion Ratio Lower Upper
84 100
49 113.1 99.8 149.6
51 38.1 31.4 47.2
86 62.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 54.608 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

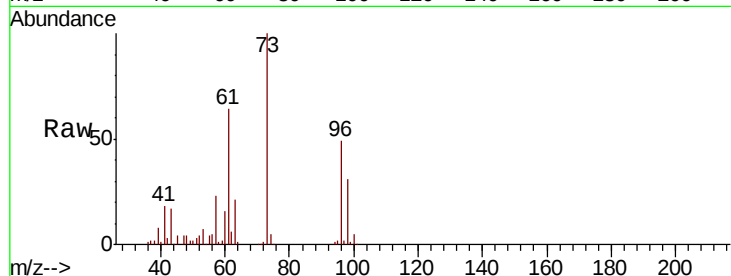
Tot Ion: 96 Resp: 180938

Ion Ratio Lower Upper

96 100

61 131.3 98.1 147.1

98 64.2 47.2 70.8

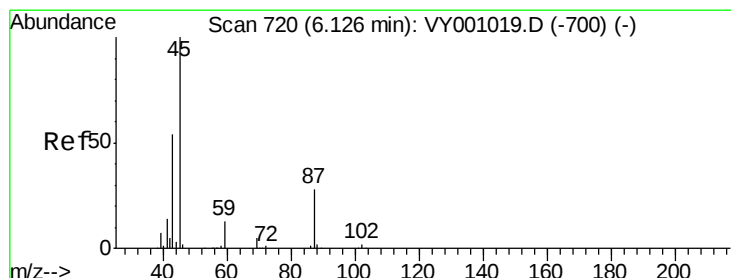
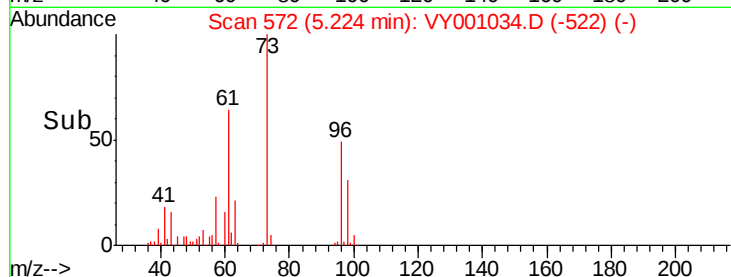
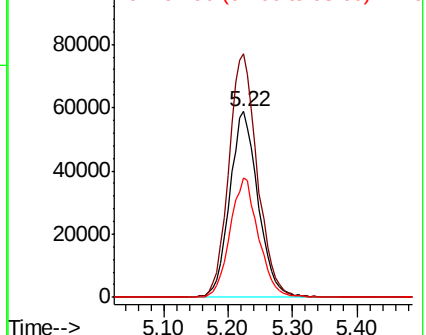


Abundance

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: 60.866 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion: 45 Resp: 571408

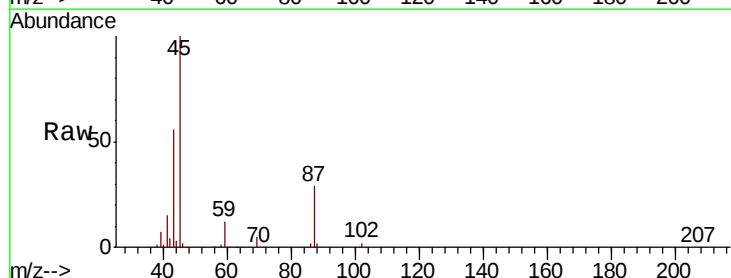
Ion Ratio Lower Upper

45 100

43 55.2 43.6 65.4

87 29.2 23.1 34.7

59 12.3 10.2 15.4



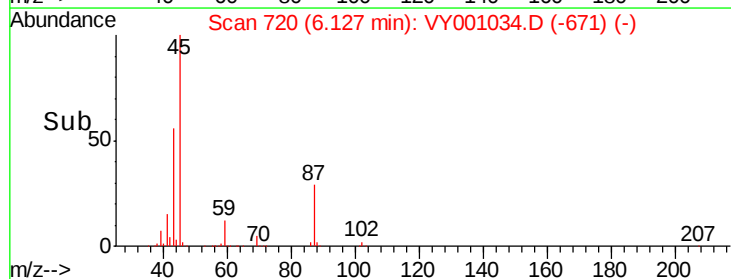
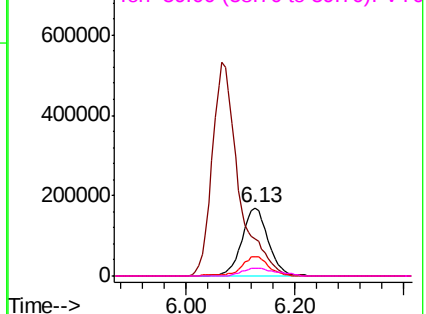
Abundance

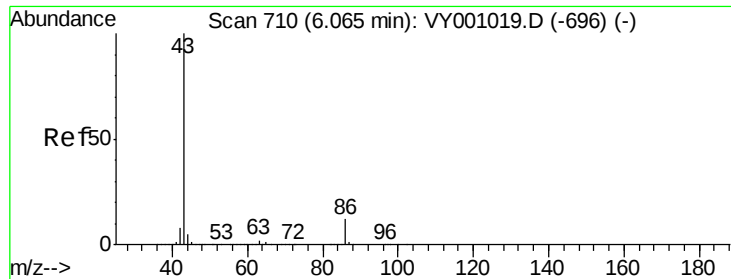
Ion 45.00 (44.70 to 45.70): VY0

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: 301.346 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

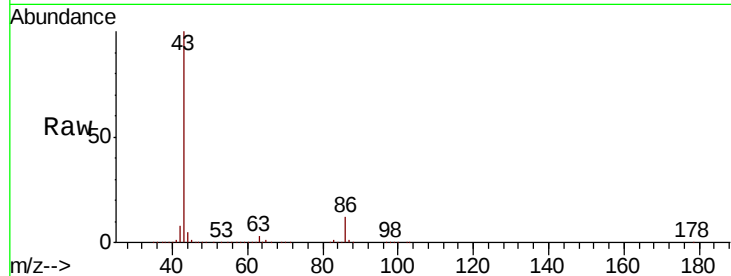
VSTDCCC050EC

Tot Ion: 43 Resp: 1786643

Ion Ratio Lower Upper

43 100

86 12.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

500000

400000

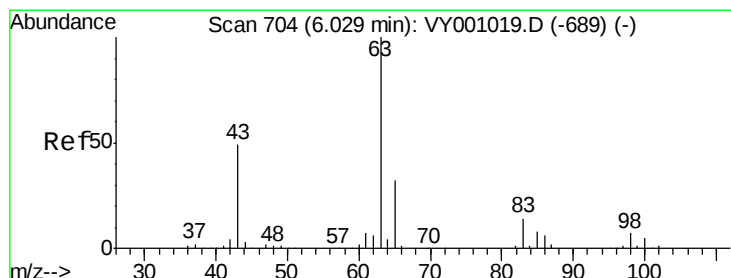
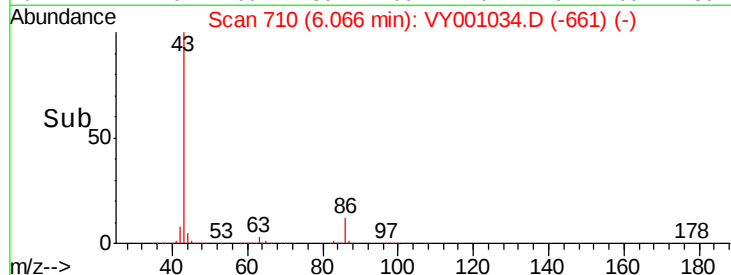
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.085 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

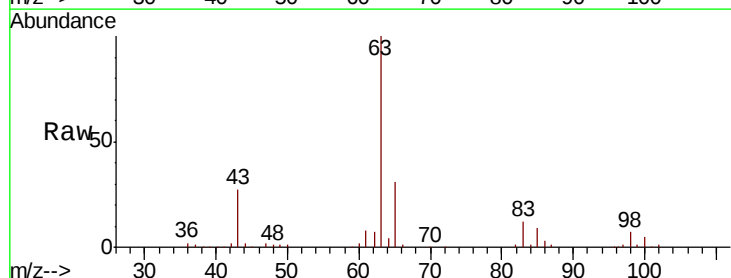
Tgt Ion: 63 Resp: 316695

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.2

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

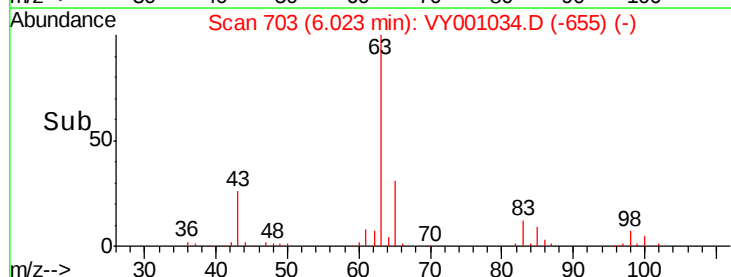
6.02

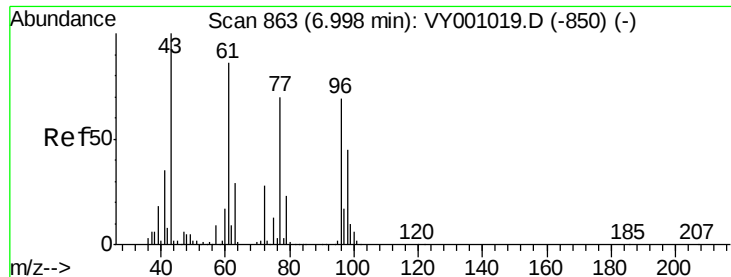
100000

50000

0

Time-->





#25

2-Butanone

Concen: 304.882 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

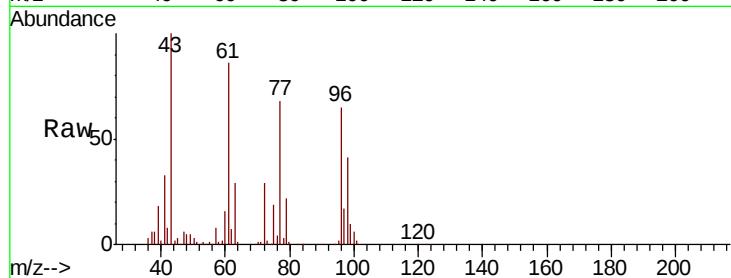
VSTDCCC050EC

Tot Ion: 43 Resp: 323866

Ion Ratio Lower Upper

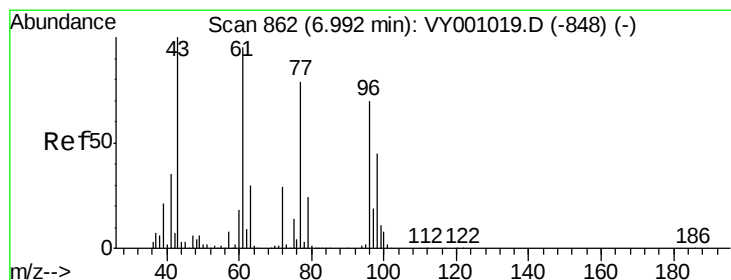
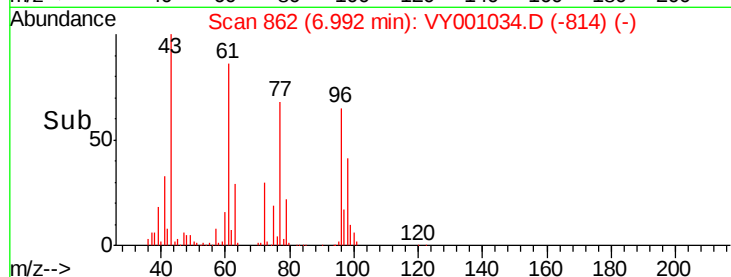
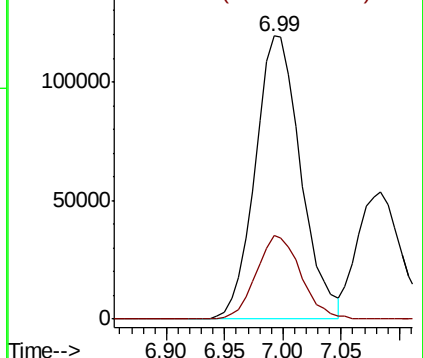
43 100

72 29.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 55.265 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001034.D

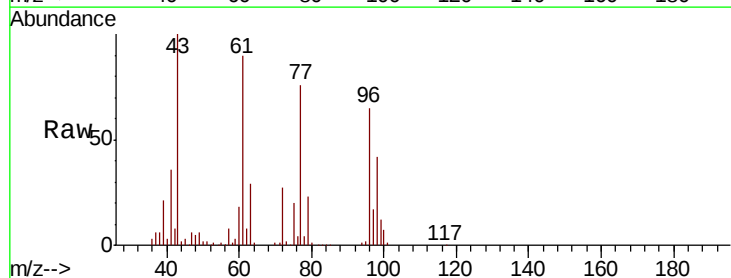
Acq: 23 Dec 2019 17:22

Tgt Ion: 77 Resp: 251898

Ion Ratio Lower Upper

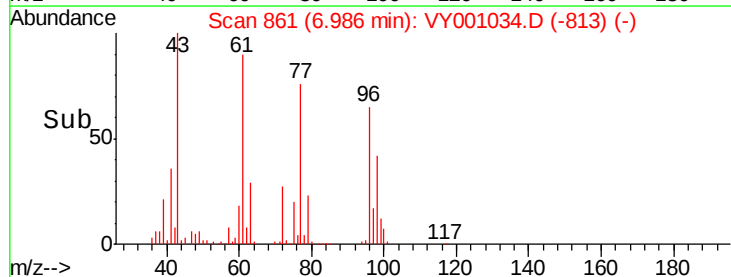
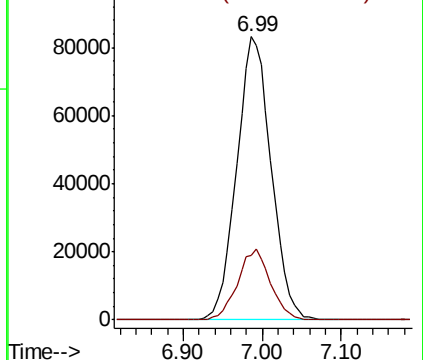
77 100

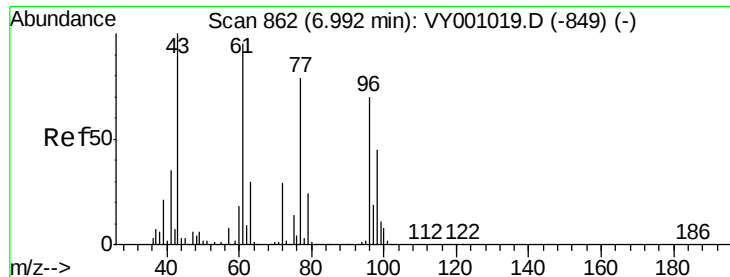
97 23.8 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



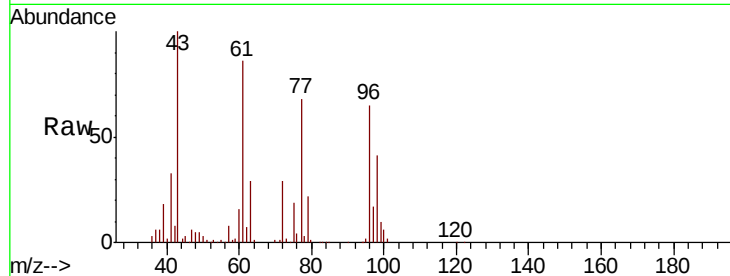


#27

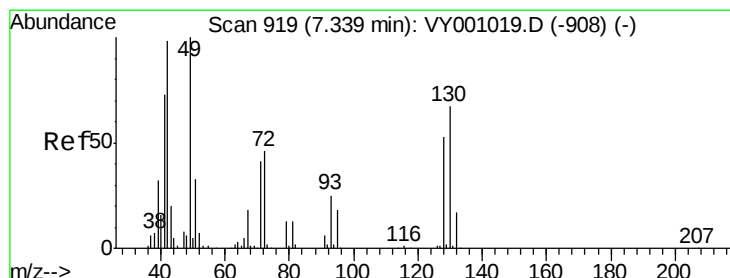
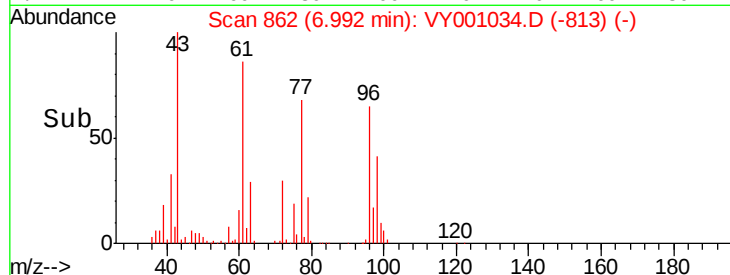
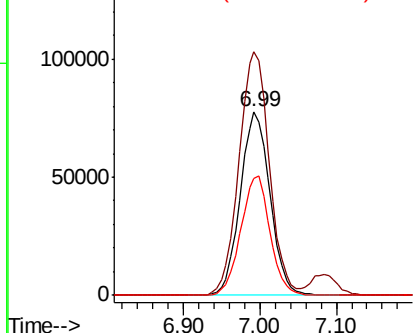
cis-1,2-Dichloroethene
Concen: 57.458 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	268.2
98	64.2	0.0	129.2



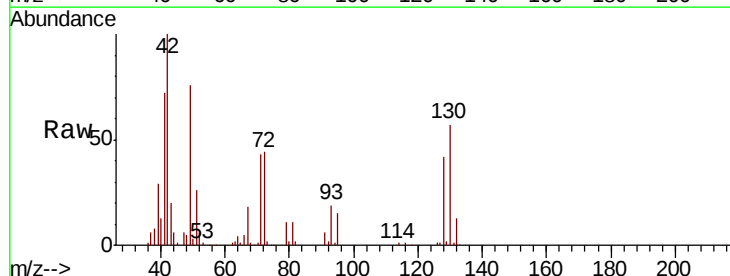
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



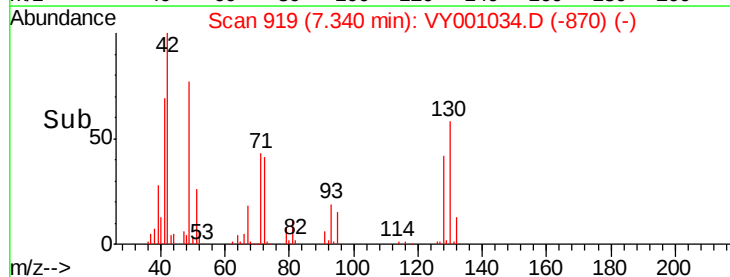
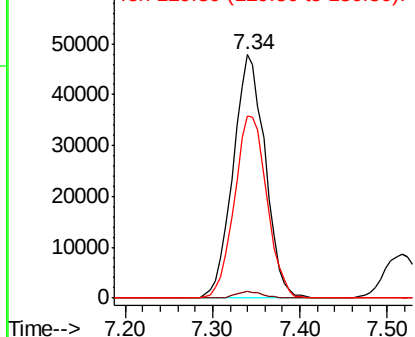
#28

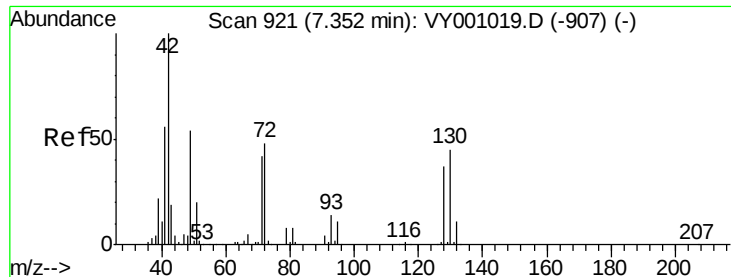
Bromochloromethane
Concen: 56.275 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	75.9	60.4	90.6



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

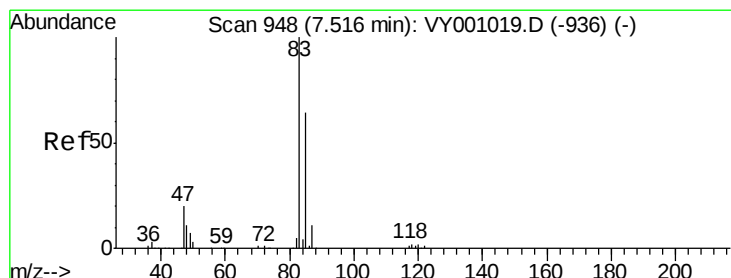
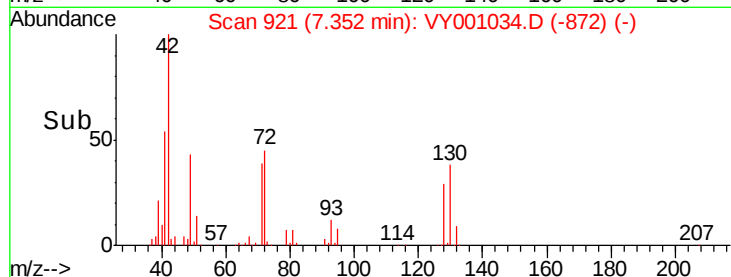
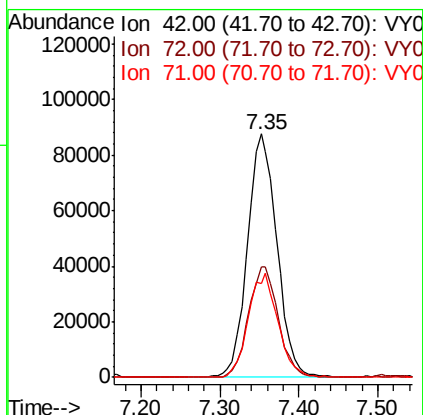
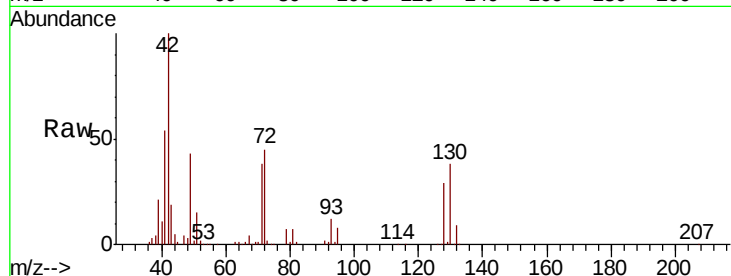




#29
Tetrahydrofuran
Concen: 299.975 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

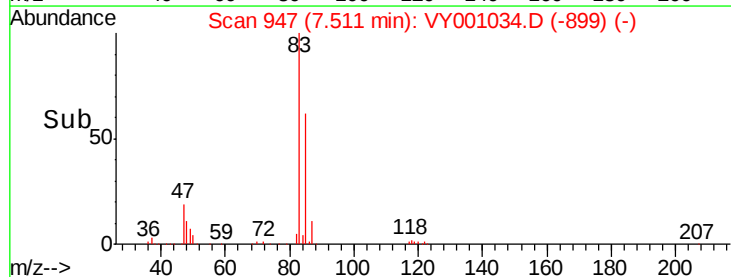
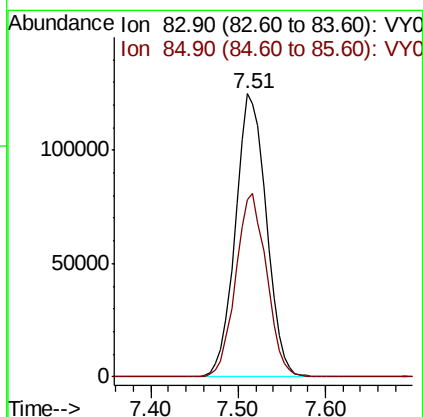
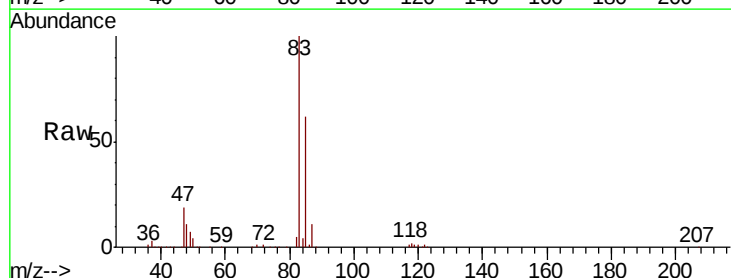
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

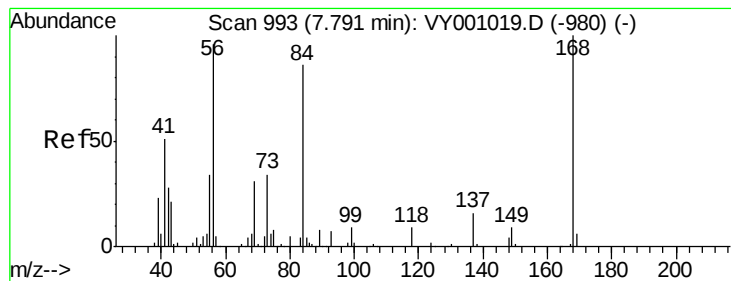
Tot Ion: 42 Resp: 226666
Ion Ratio Lower Upper
42 100
72 46.1 37.7 56.5
71 43.1 34.6 51.8



#30
Chloroform
Concen: 58.633 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 83 Resp: 307584
Ion Ratio Lower Upper
83 100
85 62.4 51.6 77.4





#31

Cyclohexane

Concen: 50.293 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

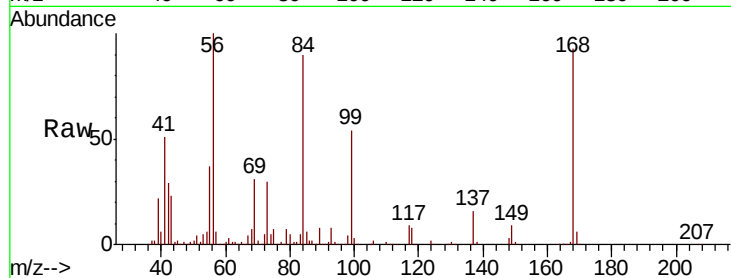
Tot Ion: 56 Resp: 293396

Ion Ratio Lower Upper

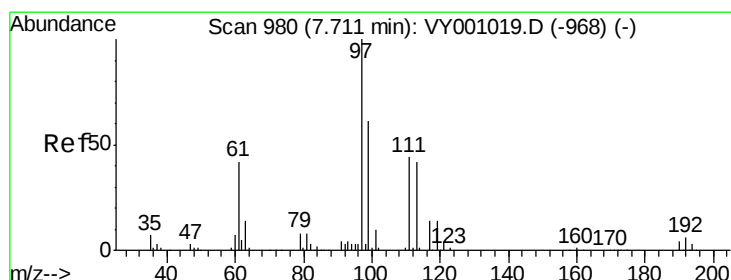
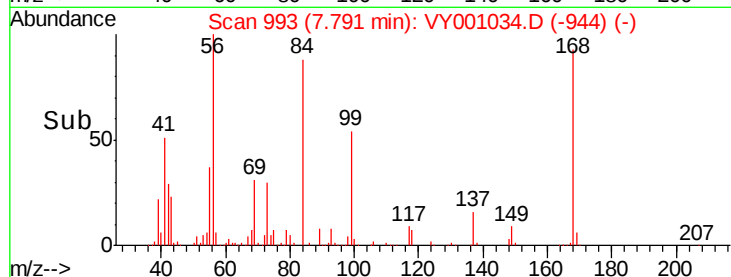
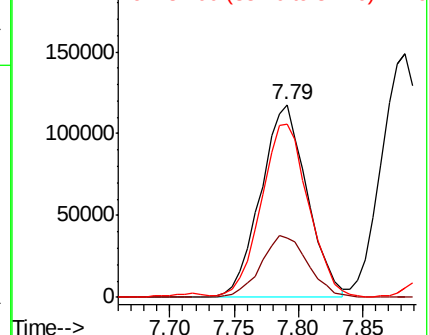
56 100

69 30.8 26.1 39.1

84 87.9 71.8 107.8



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



#32

1,1,1-Trichloroethane

Concen: 55.724 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

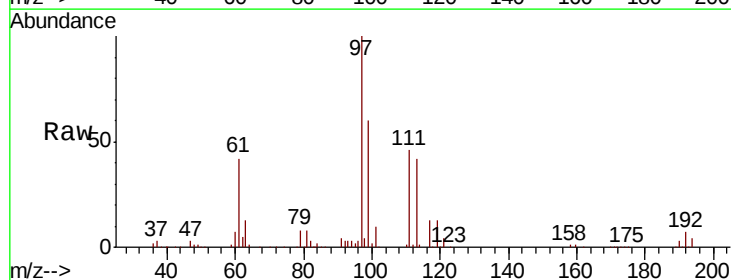
Tgt Ion: 97 Resp: 249363

Ion Ratio Lower Upper

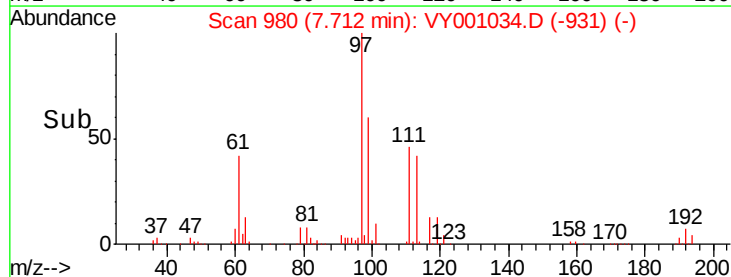
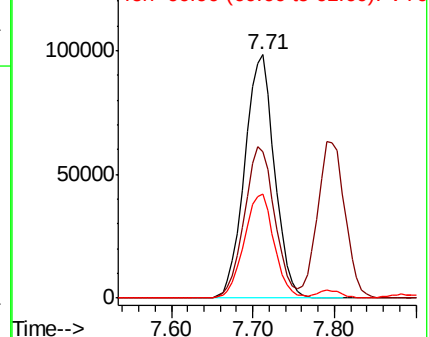
97 100

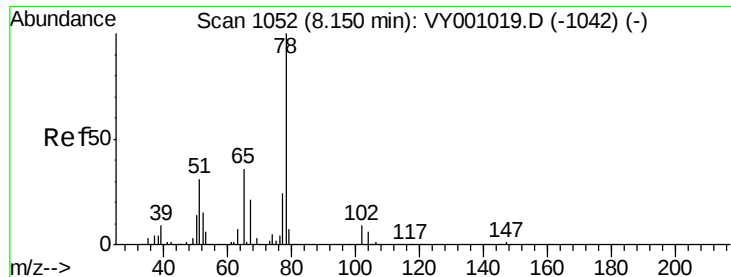
99 63.4 50.6 76.0

61 43.0 33.0 49.6



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

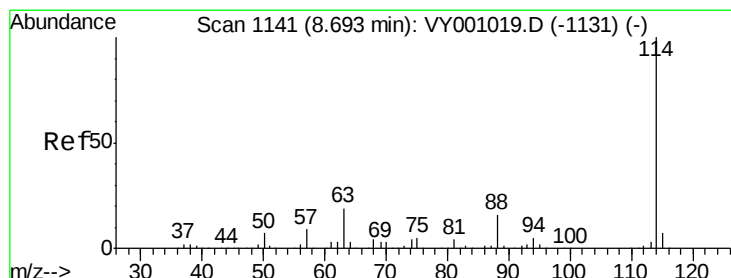
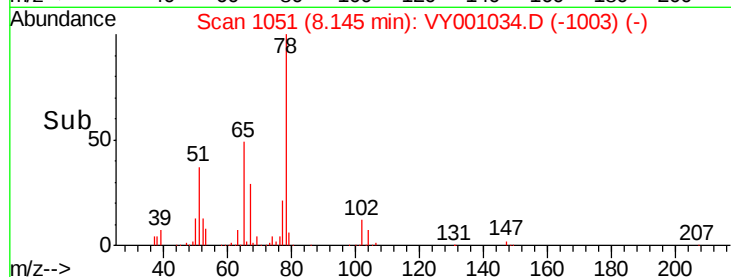
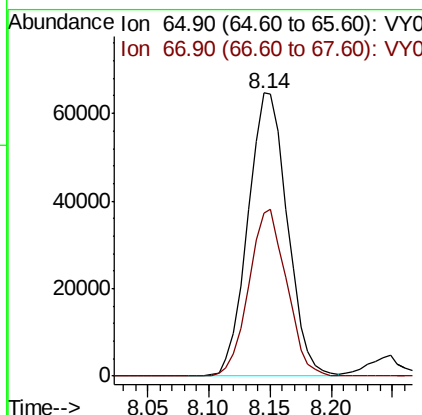
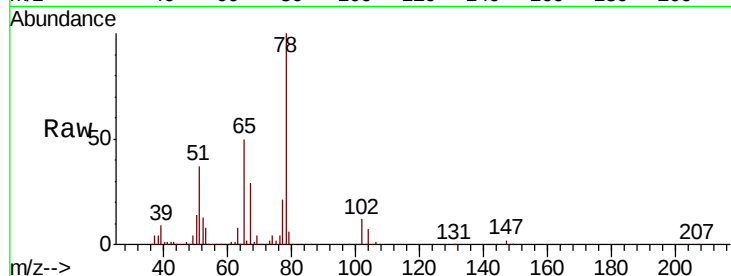




#33
 1,2-Dichloroethane-d4
 Concen: 55.247 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

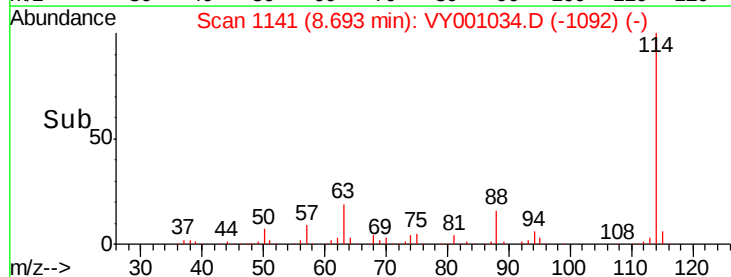
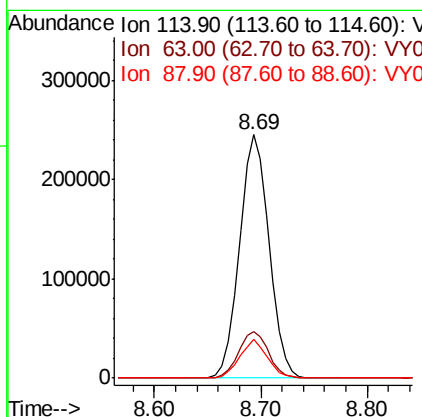
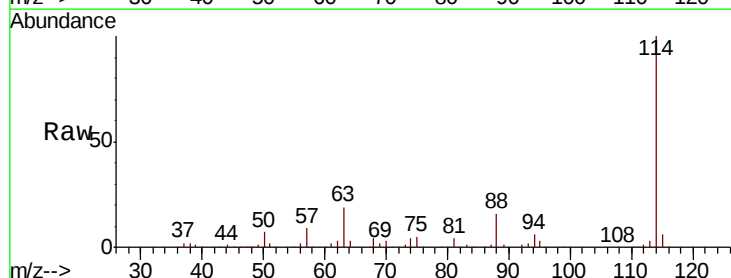
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

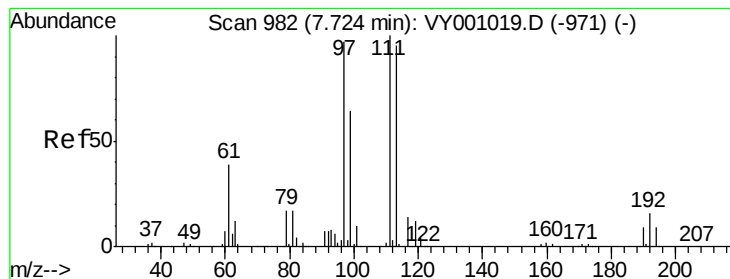
Tot Ion: 65 Resp: 145012
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 114 Resp: 477186
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.291 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

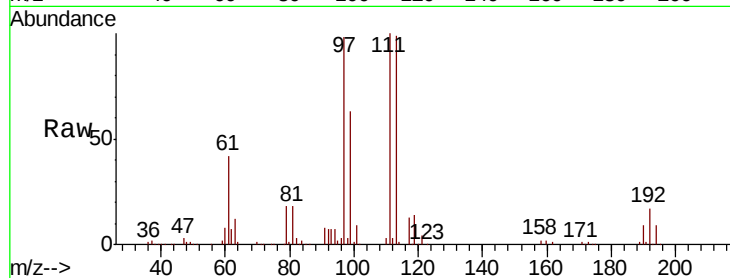
Tot Ion:113 Resp: 146935

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

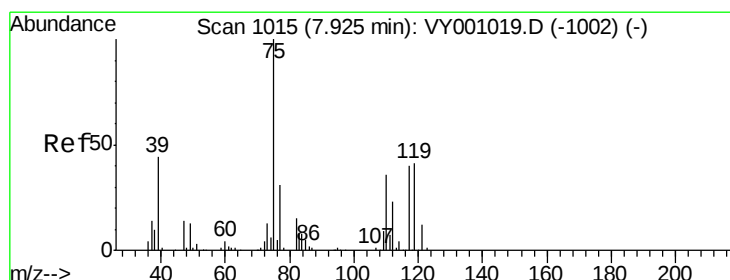
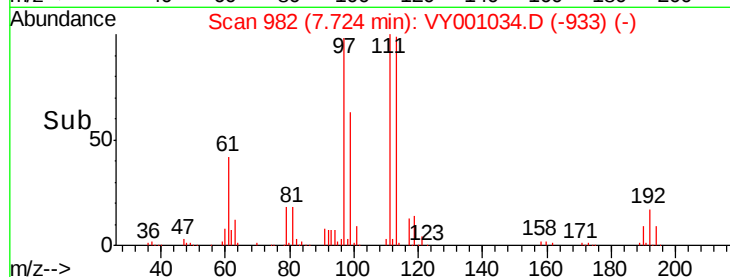
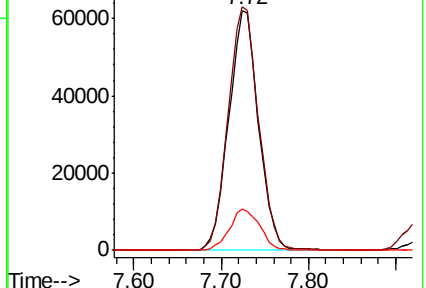
192 17.3 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.477 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

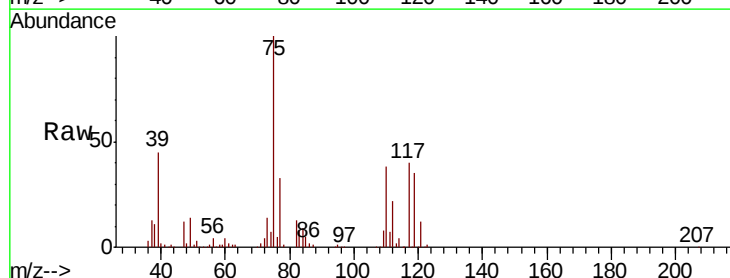
Tgt Ion: 75 Resp: 243444

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.4

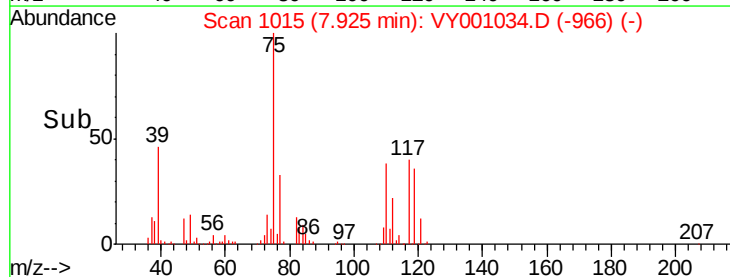
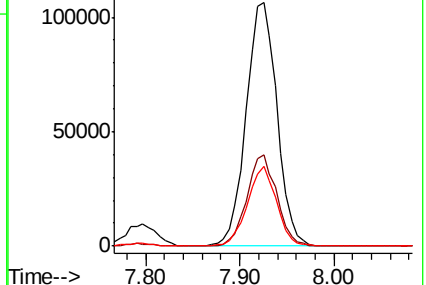
77 30.9 24.6 37.0



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

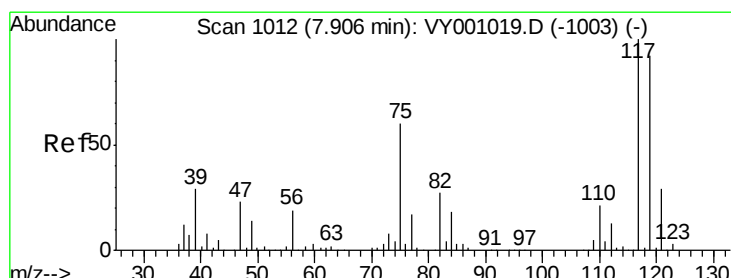
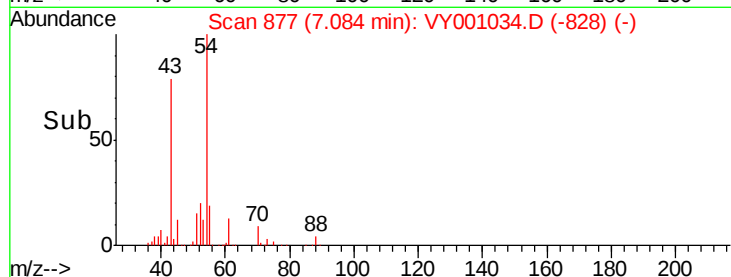
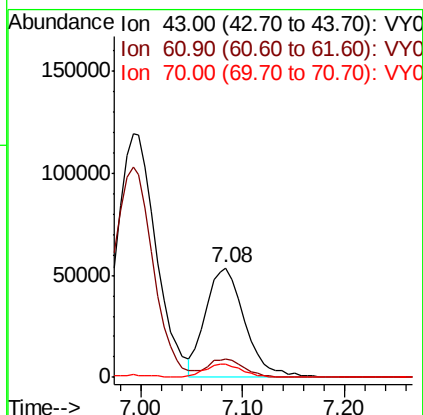
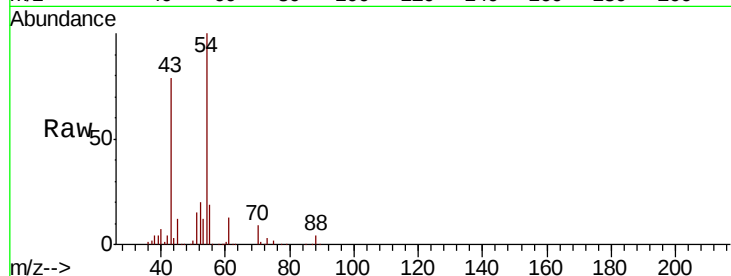




#37
Ethyl Acetate
Concen: 56.635 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

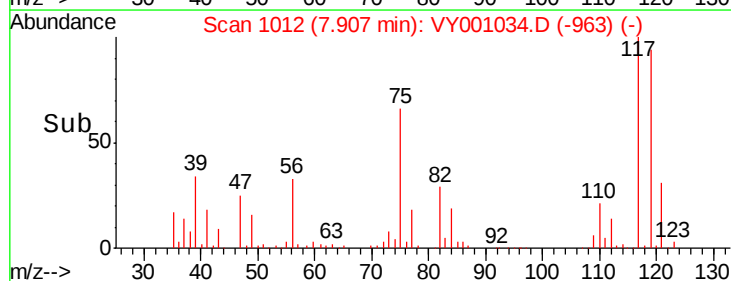
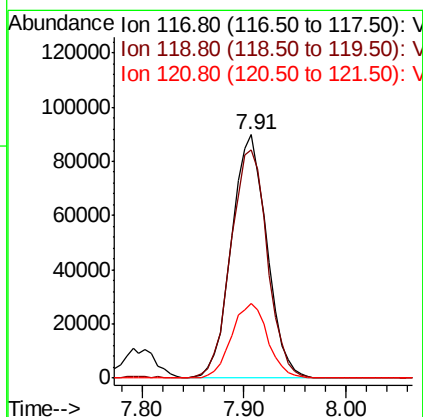
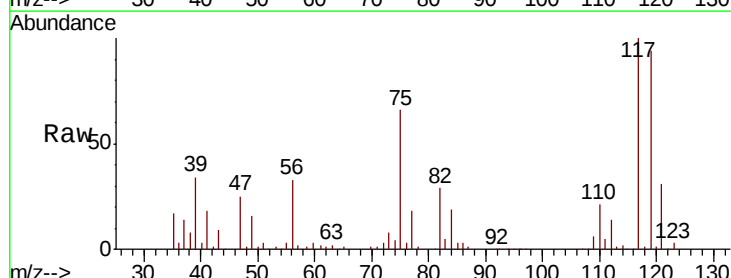
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

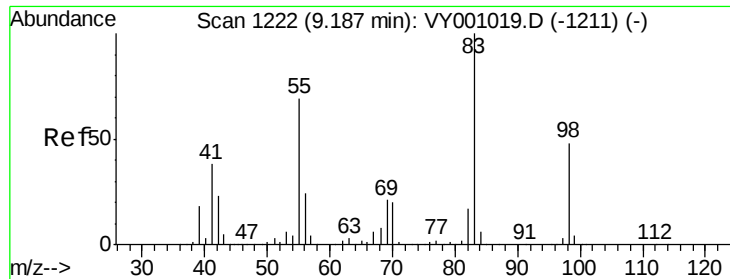
Tot Ion: 43 Resp: 142757
Ion Ratio Lower Upper
43 100
61 15.1 12.5 18.7
70 12.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 54.226 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 117 Resp: 216281
Ion Ratio Lower Upper
117 100
119 93.9 74.2 111.2
121 30.8 22.9 34.3

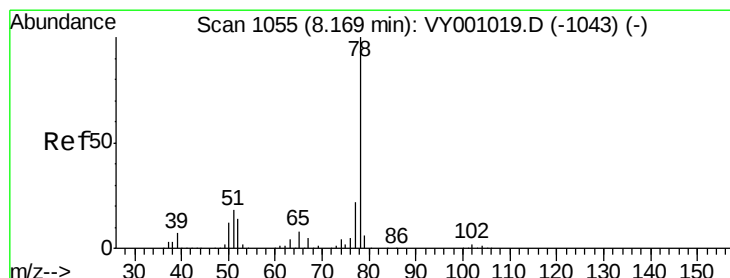
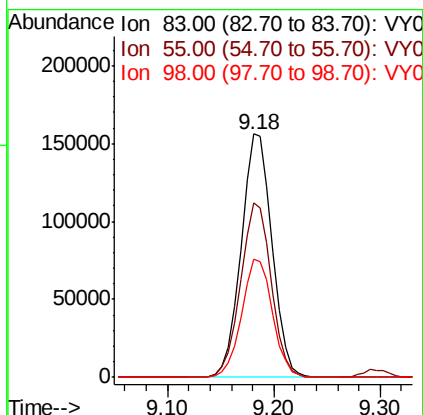
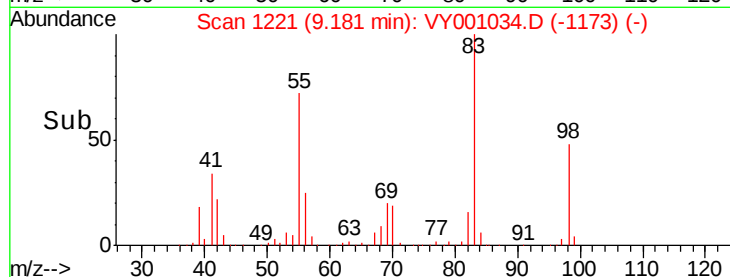
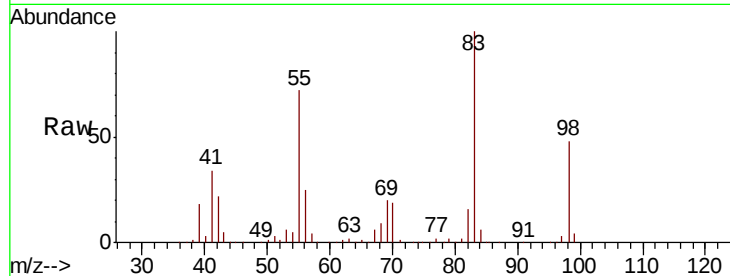




#39
Methvlcvclohexane
Concen: 52.563 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

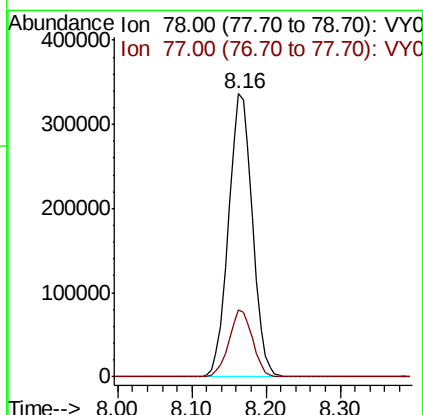
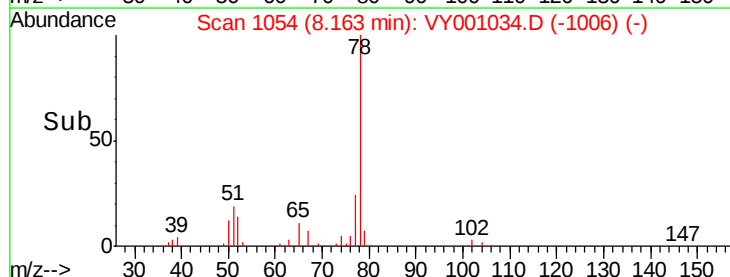
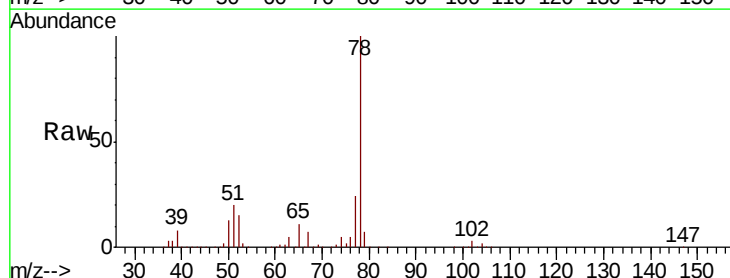
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

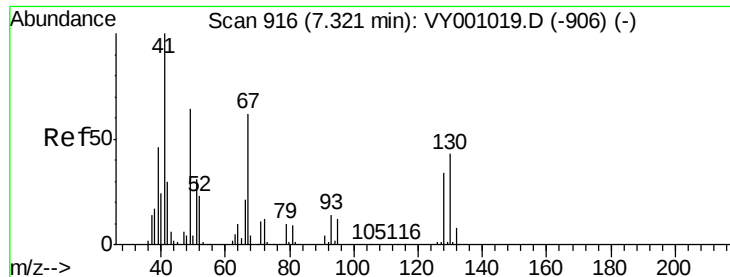
Tot Ion: 83 Resp: 317758
Ion Ratio Lower Upper
83 100
55 71.9 55.1 82.7
98 48.4 38.3 57.5



#40
Benzene
Concen: 54.897 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 78 Resp: 753937
Ion Ratio Lower Upper
78 100
77 23.8 17.7 26.5

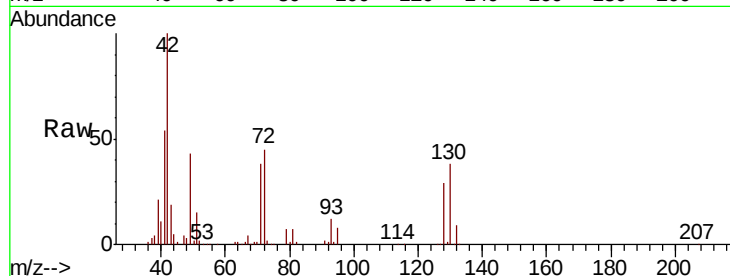




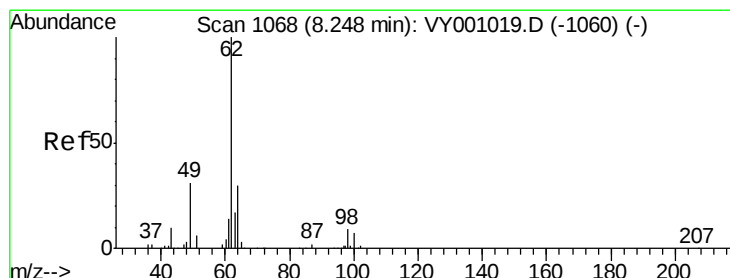
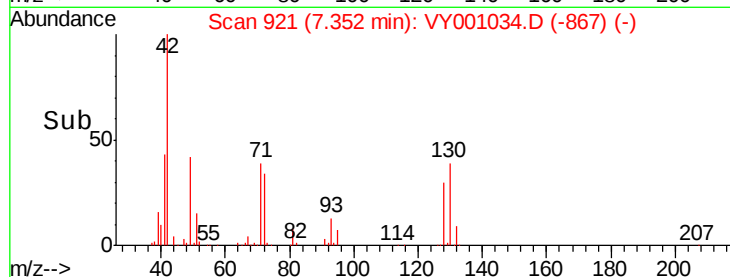
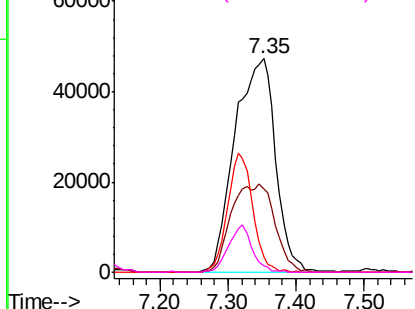
#41
Methacrylonitrile
Concen: 180.314 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	197054
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

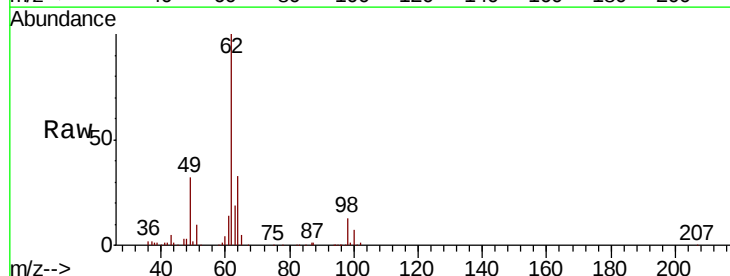


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

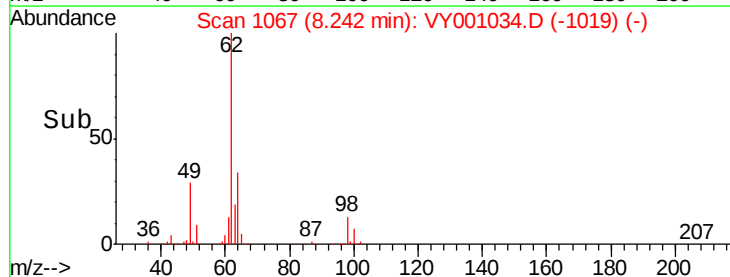
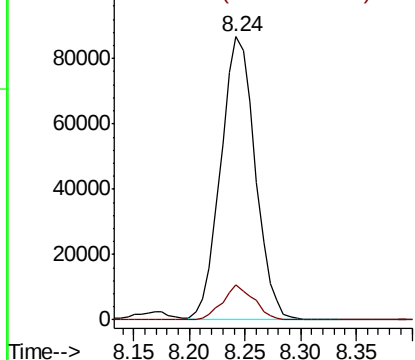


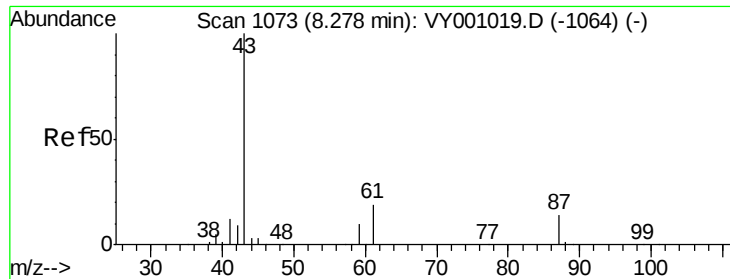
#42
1,2-Dichloroethane
Concen: 56.876 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion:	62	Resp:	186753
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	23.4



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



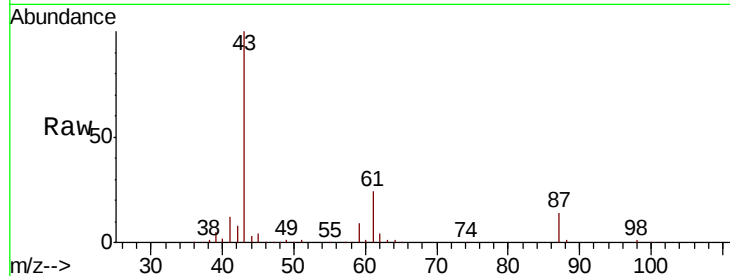


#43

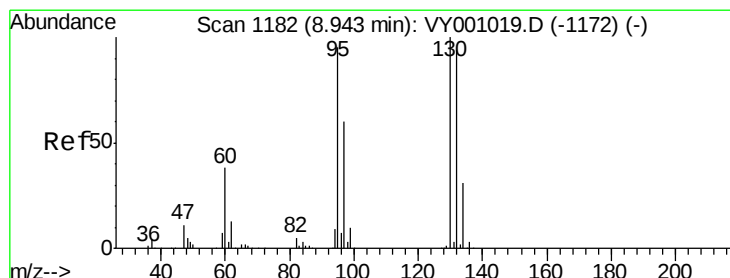
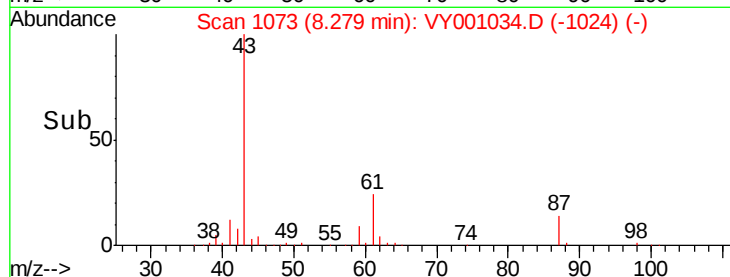
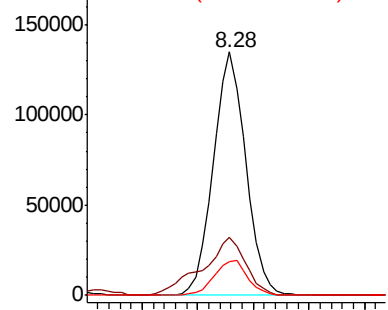
Isopropyl Acetate
 Concen: 58.620 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	273530
Ion Ratio	Lower	Upper	
43	100		
61	31.5	25.0	37.6
87	14.6	12.0	18.0



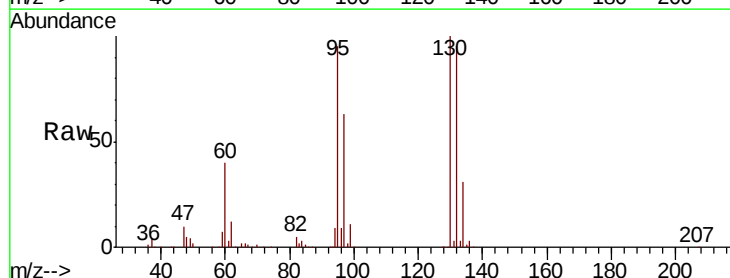
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



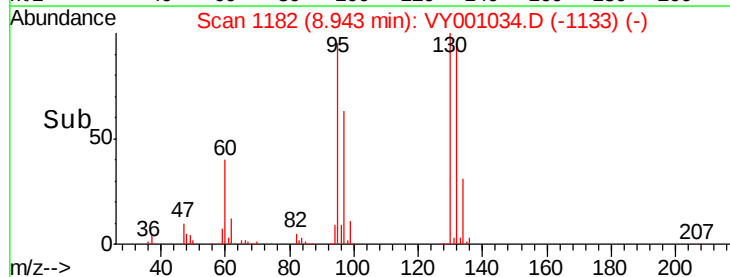
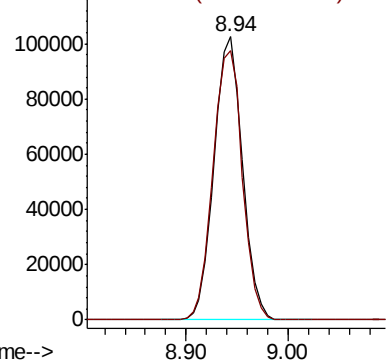
#44

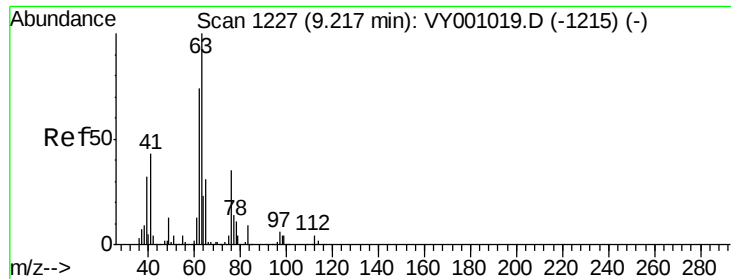
Trichloroethene
 Concen: 54.748 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	130	Resp	198109
Ion Ratio	Lower	Upper	
130	100		
95	95.1	0.0	190.6



Abundance Ion 129.80 (129.50 to 130.50): V
 120000 Ion 94.90 (94.60 to 95.60): VY0

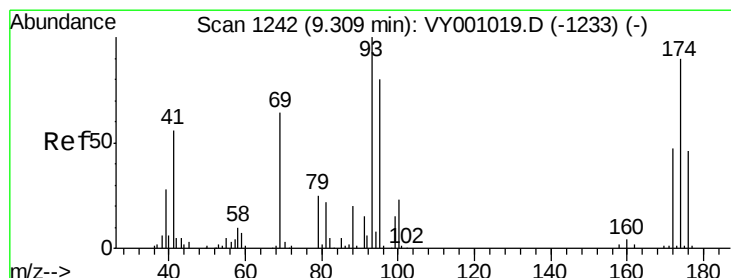
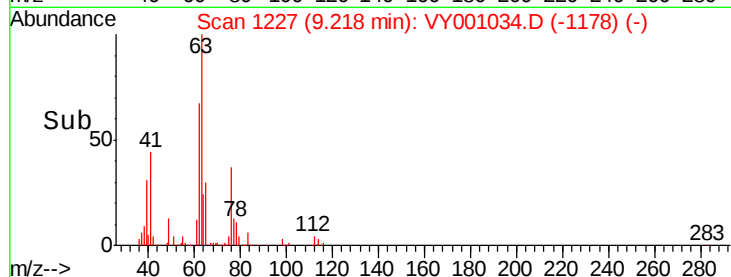
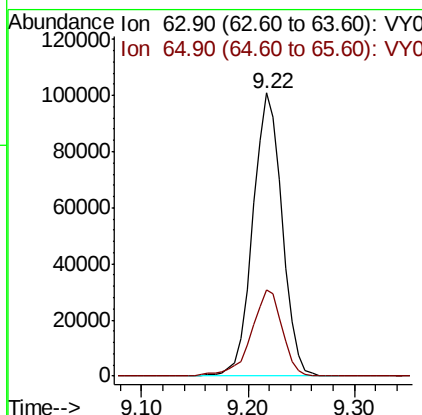
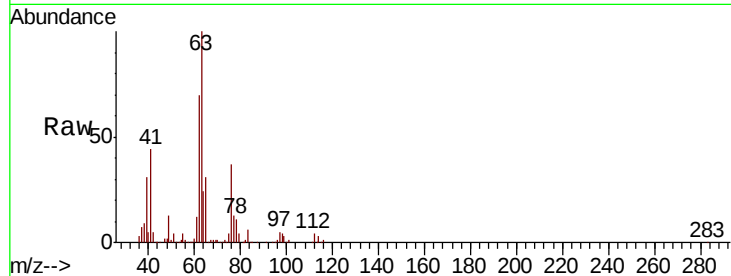




#45
 1,2-Dichloropropane
 Concen: 56.455 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

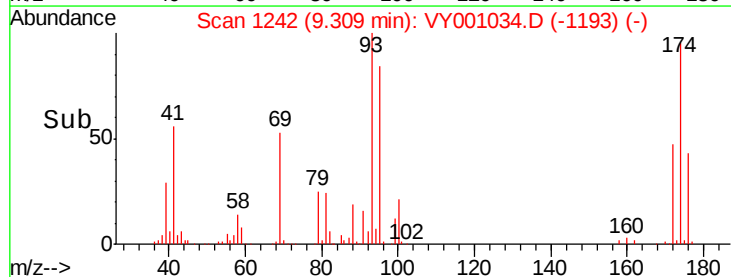
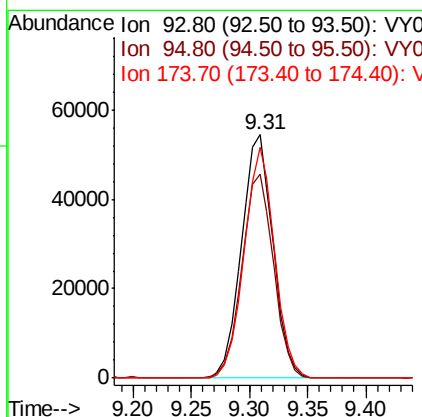
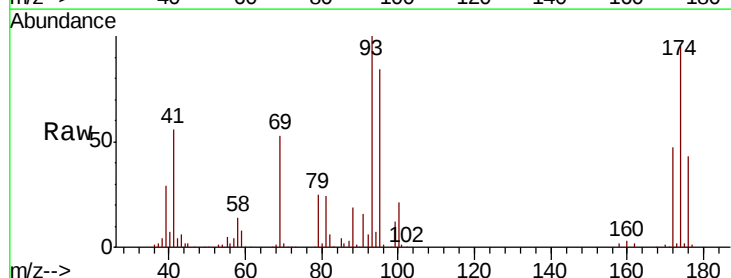
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

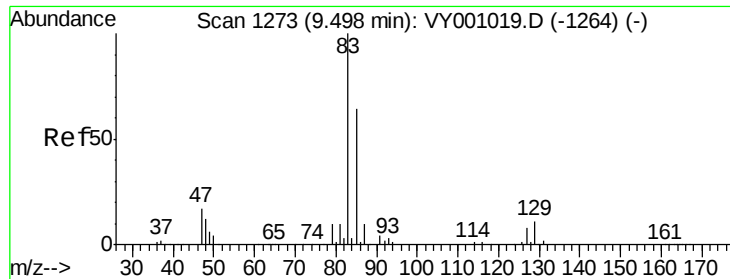
Tot Ion: 63 Resp: 194506
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.1 37.7



#46
 Dibromomethane
 Concen: 57.982 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 93 Resp: 102977
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.7 100.1
 174 91.6 73.6 110.4





#47

Bromodichloromethane

Concen: 56.811 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

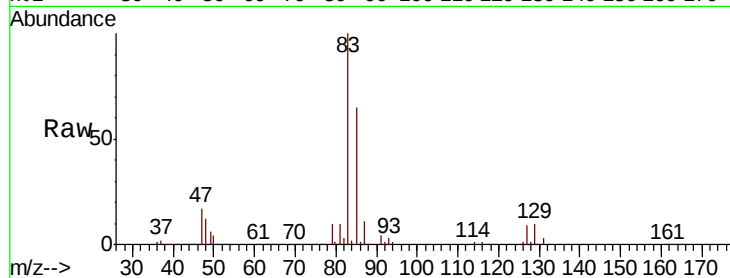
Tot Ion: 83 Resp: 233718

Ion Ratio Lower Upper

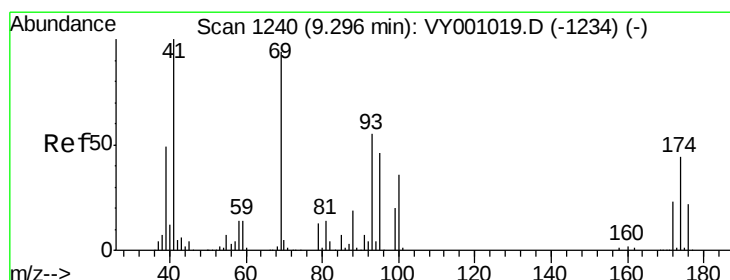
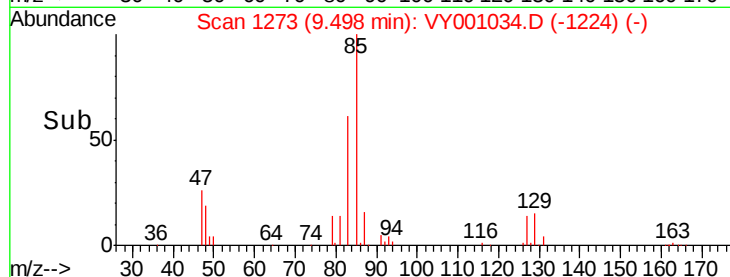
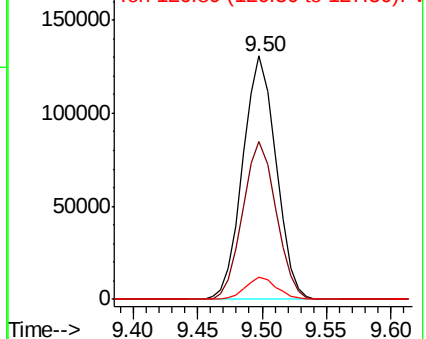
83 100

85 64.6 50.9 76.3

127 8.9 6.4 9.6



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: 59.080 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

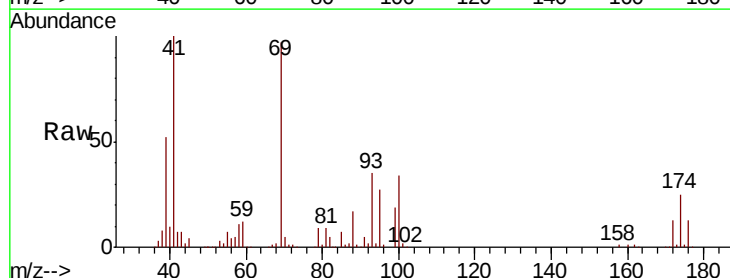
Tgt Ion: 41 Resp: 117641

Ion Ratio Lower Upper

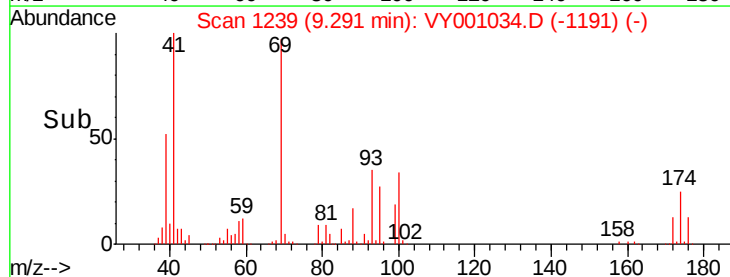
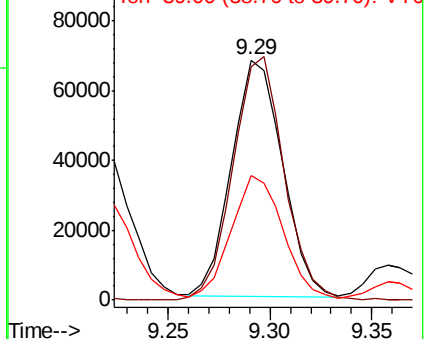
41 100

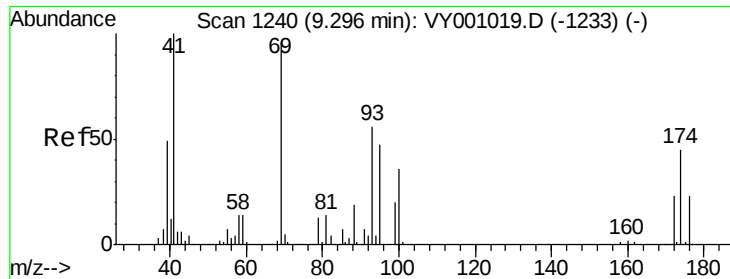
69 103.3 79.8 119.6

39 52.0 41.7 62.5



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

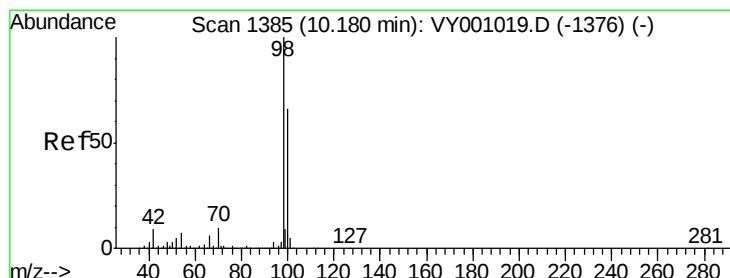
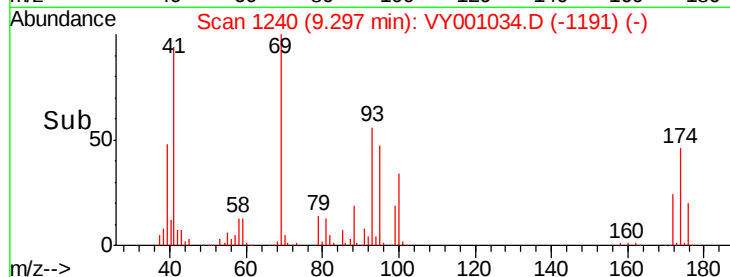
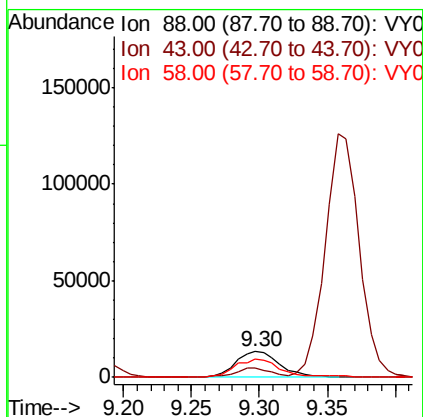
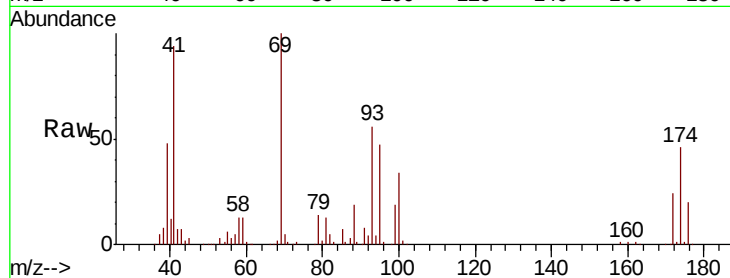




#49
1,4-Dioxane
Concen: 1192.941 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

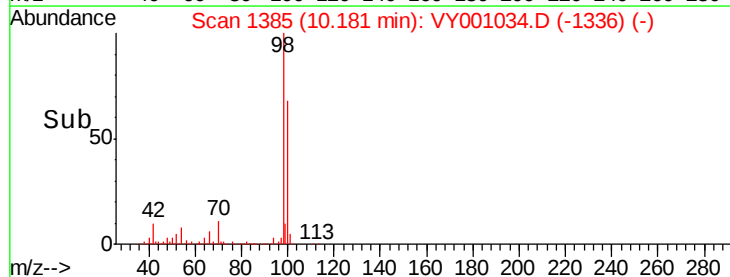
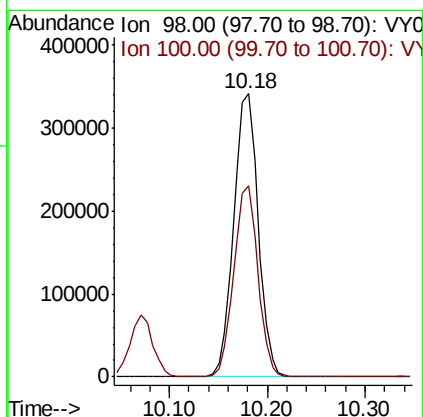
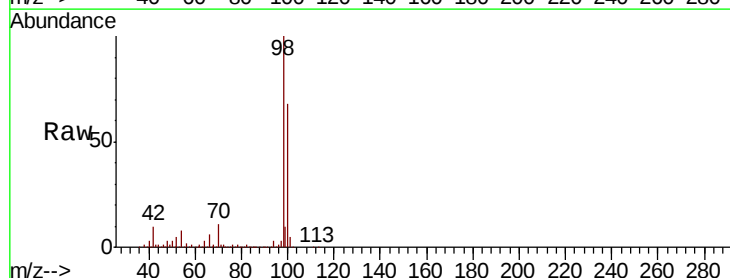
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

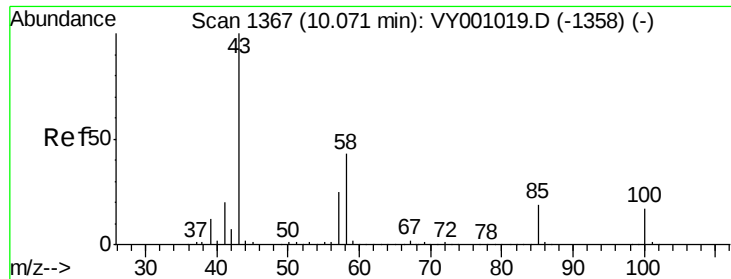
Tot Ion: 88 Resp: 30993
Ion Ratio Lower Upper
88 100
43 28.2 23.0 34.4
58 73.6 54.9 82.3



#50
Toluene-d8
Concen: 54.099 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 98 Resp: 594067
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4

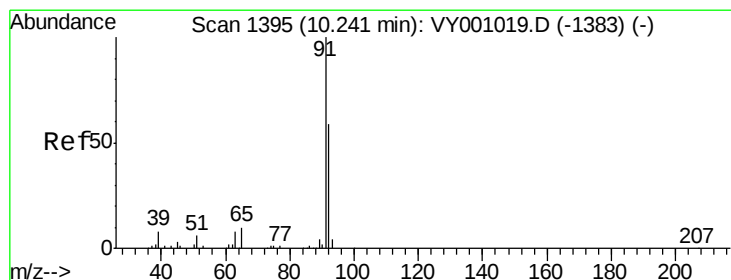
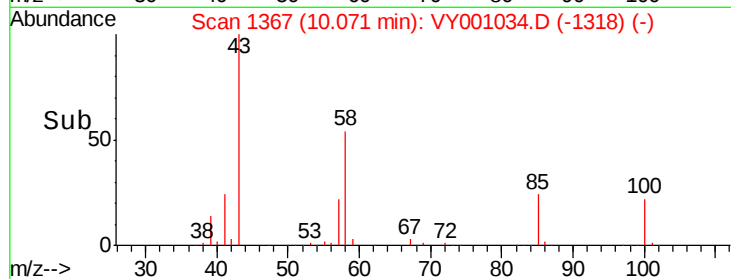
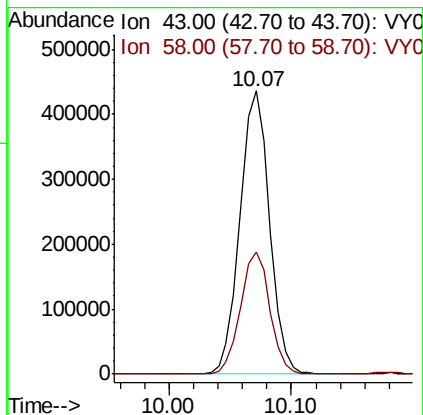
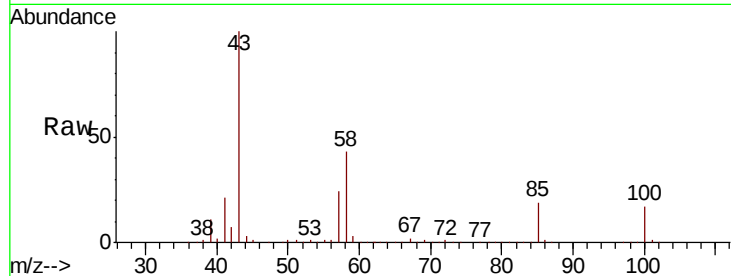




#51
4-Methyl-2-Pentanone
Concen: 300.909 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

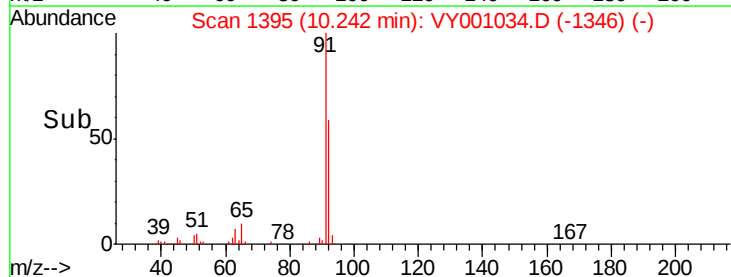
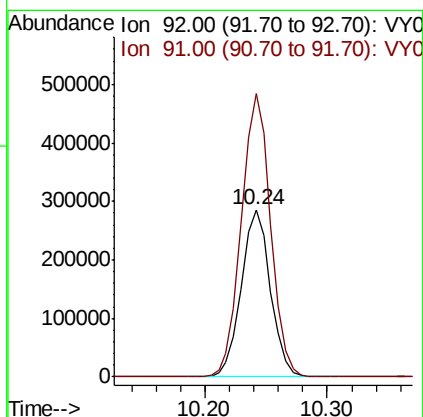
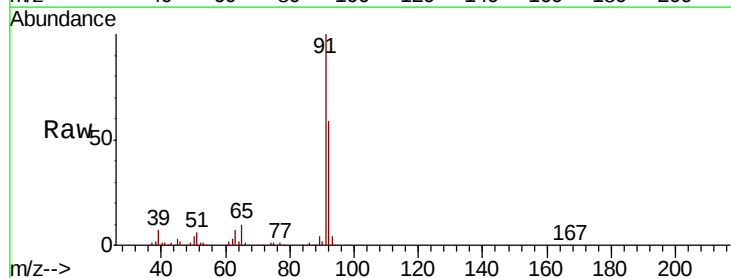
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

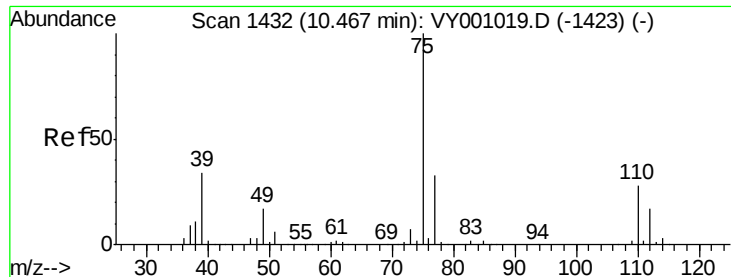
Tot Ion: 43 Resp: 731832
Ion Ratio Lower Upper
43 100
58 42.9 34.6 52.0



#52
Toluene
Concen: 55.583 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 92 Resp: 469842
Ion Ratio Lower Upper
92 100
91 170.5 135.7 203.5

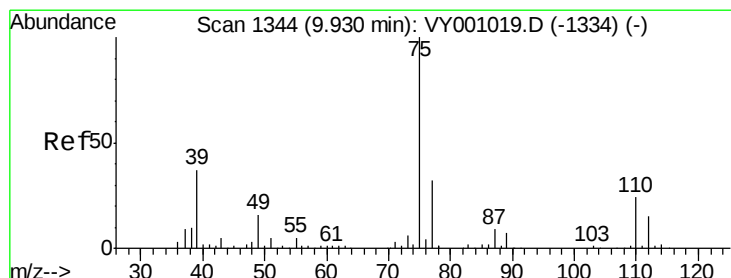
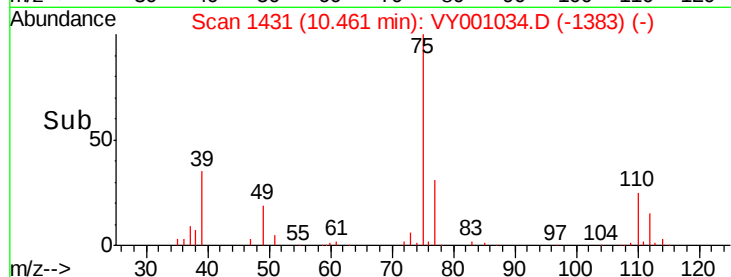
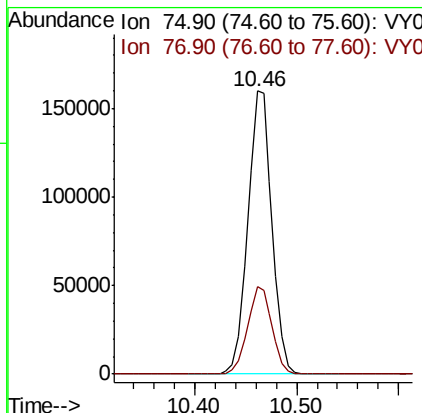
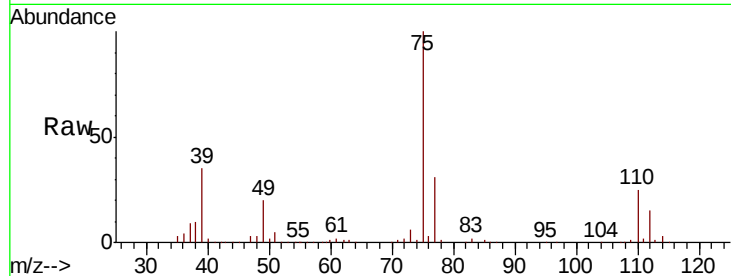




#53
 t-1,3-Dichloropropene
 Concen: 58.673 ug/l
 RT: 10.46 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

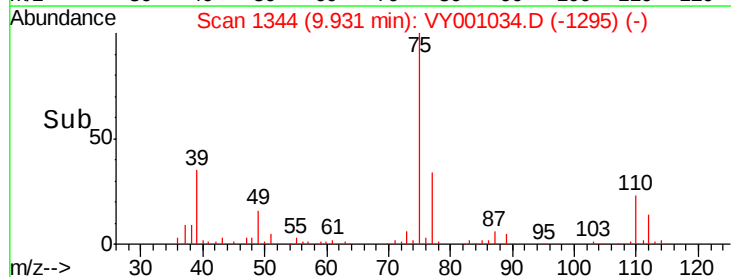
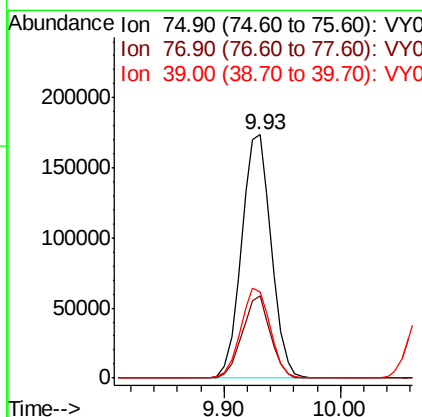
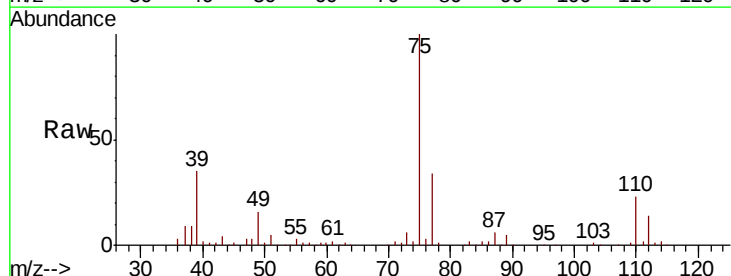
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

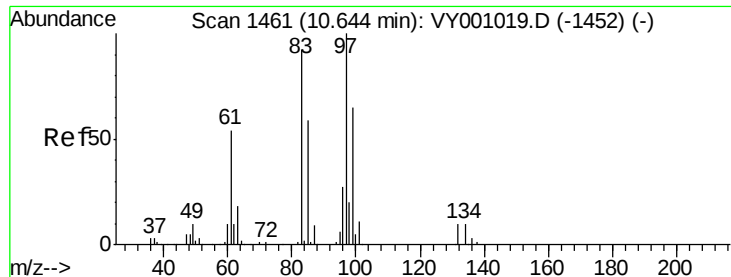
Tot Ion: 75 Resp: 261961
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 57.390 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 75 Resp: 308108
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.2 37.8
 39 35.1 29.5 44.3

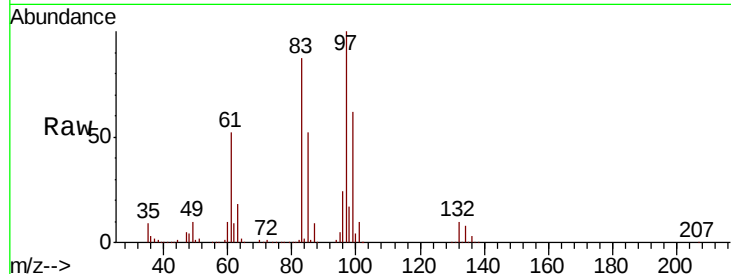




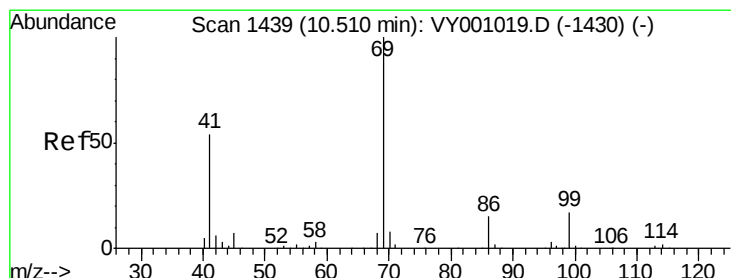
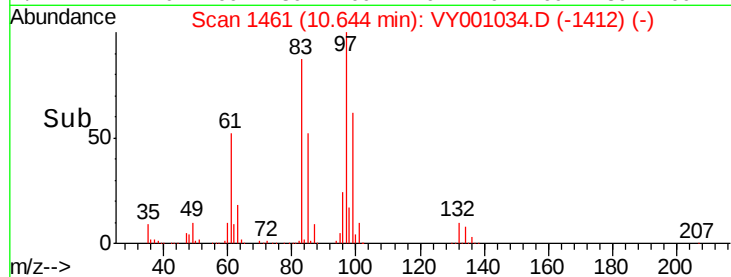
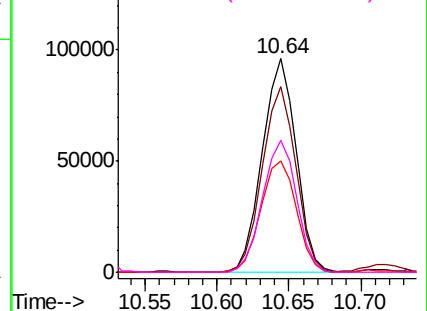
#55
 1,1,2-Trichloroethane
 Concen: 58.897 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 156161
 Ion Ratio Lower Upper
 97 100
 83 86.9 73.7 110.5
 85 52.1 47.3 70.9
 99 61.6 51.9 77.9

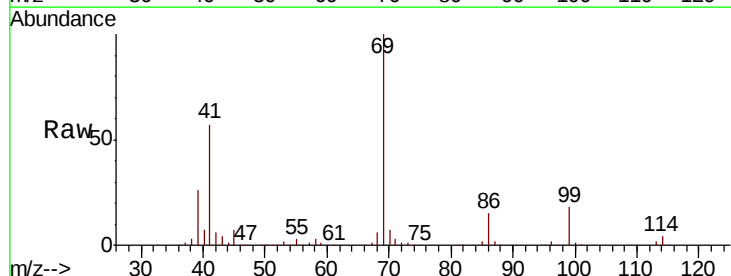


Abundance Ion 96.90 (96.60 to 97.60): VY0
 150000 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

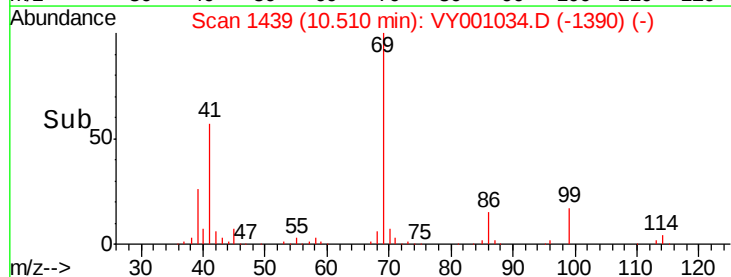
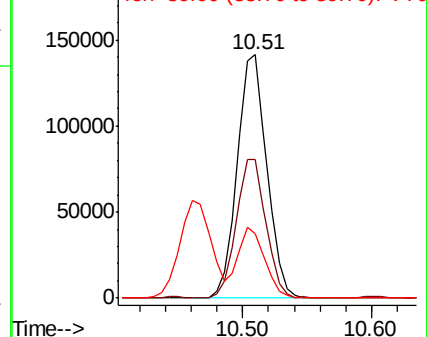


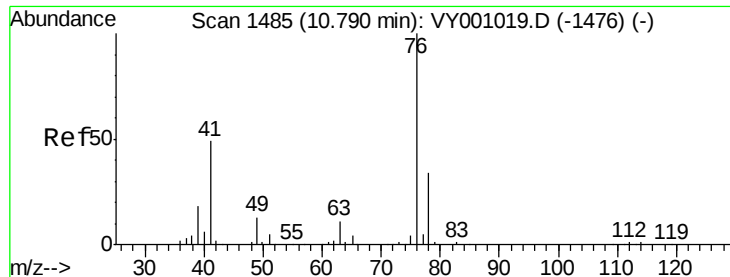
#56
 Ethyl methacrylate
 Concen: 59.972 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 69 Resp: 226308
 Ion Ratio Lower Upper
 69 100
 41 56.8 44.7 67.1
 39 26.7 22.2 33.4



Abundance Ion 69.00 (68.70 to 69.70): VY0
 150000 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 58.028 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

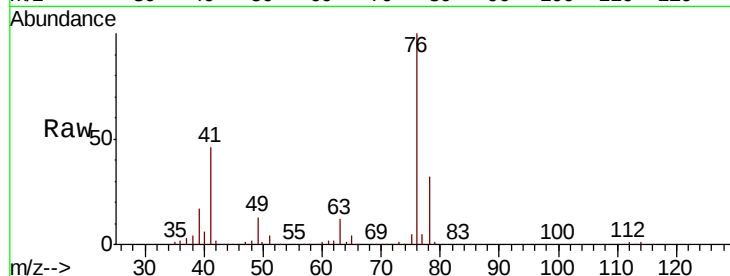
VSTDCCC050EC

Tot Ion: 76 Resp: 269683

Ion Ratio Lower Upper

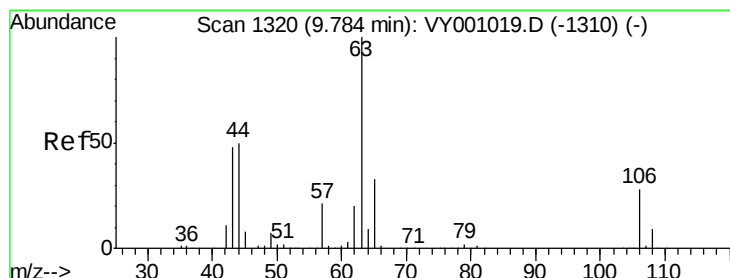
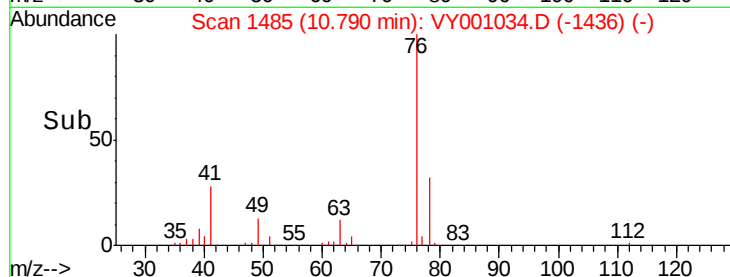
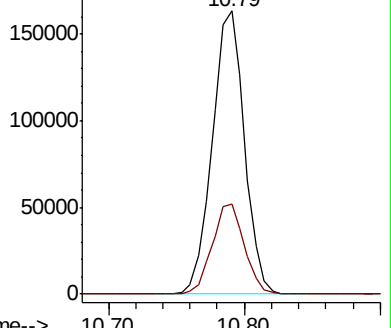
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 300.023 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001034.D

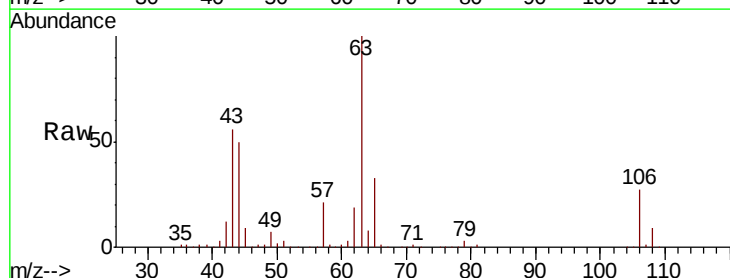
Acq: 23 Dec 2019 17:22

Tgt Ion: 63 Resp: 437283

Ion Ratio Lower Upper

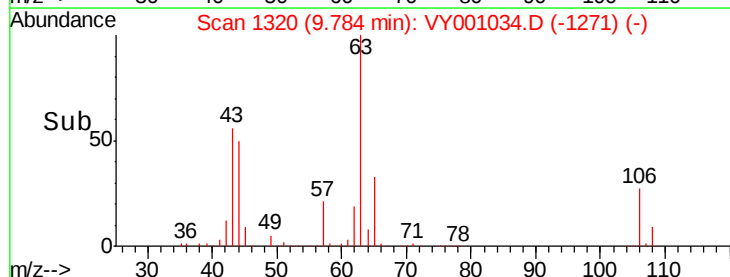
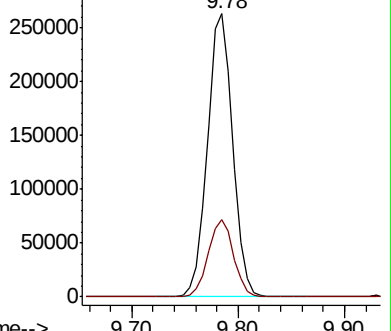
63 100

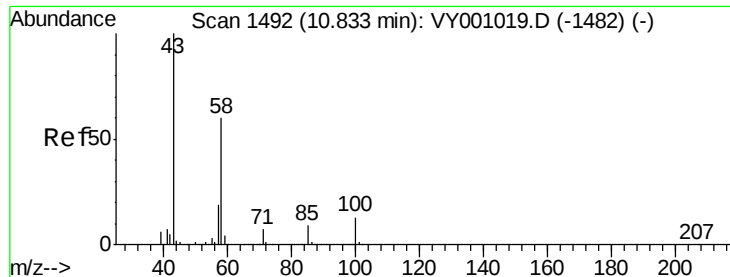
106 27.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

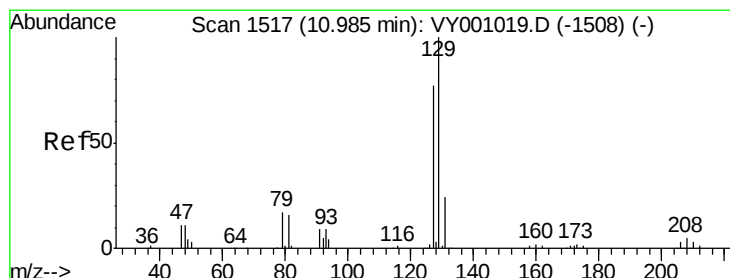
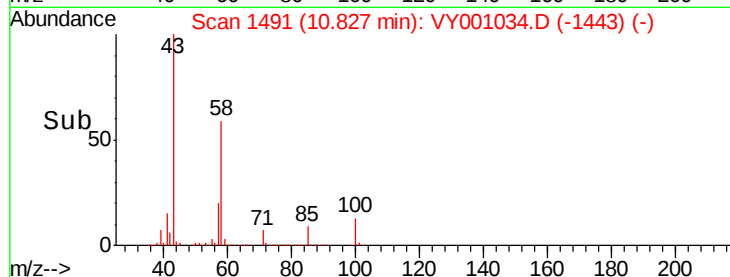
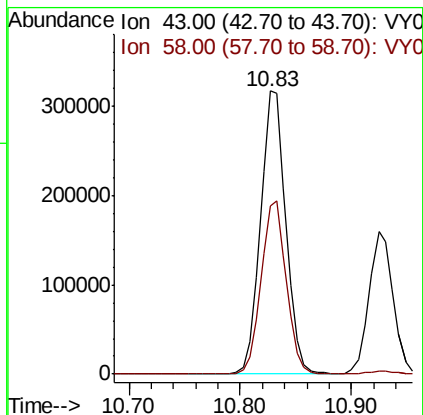
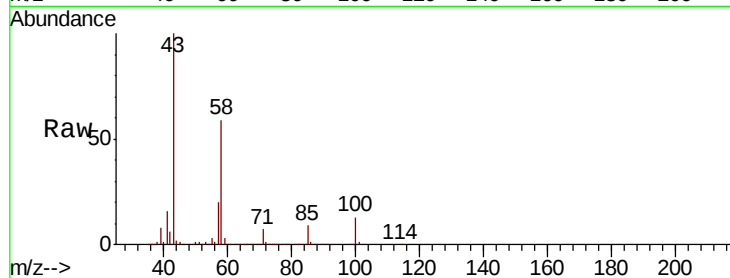




#59
2-Hexanone
Concen: 299.329 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

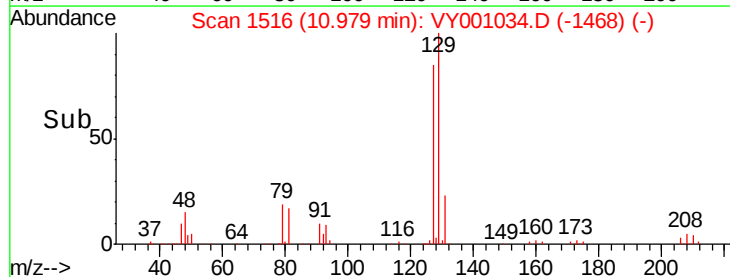
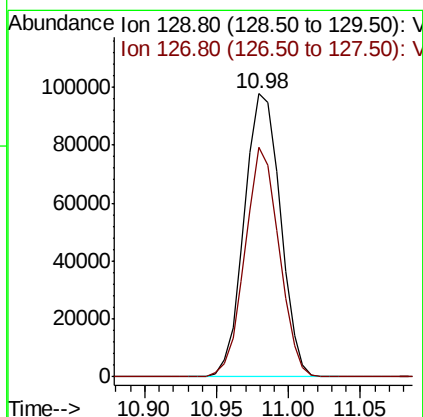
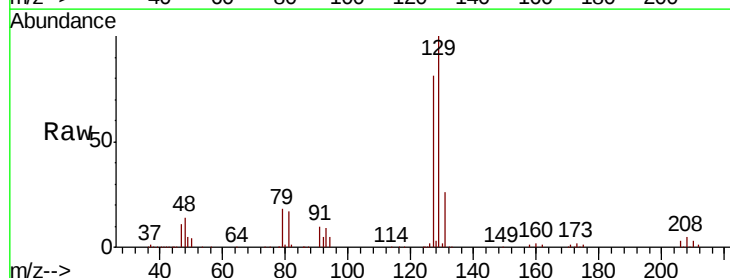
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

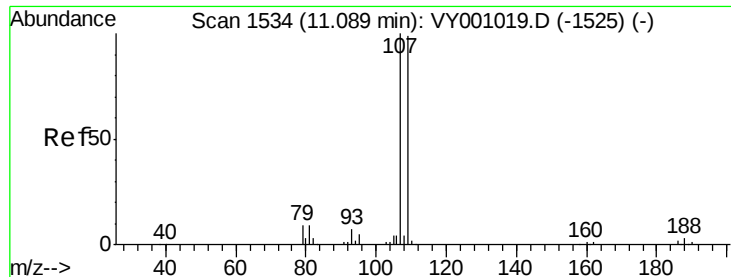
Tot Ion: 43 Resp: 503726
Ion Ratio Lower Upper
43 100
58 60.6 30.6 91.6



#60
Dibromochloromethane
Concen: 59.977 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 129 Resp: 169866
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.3

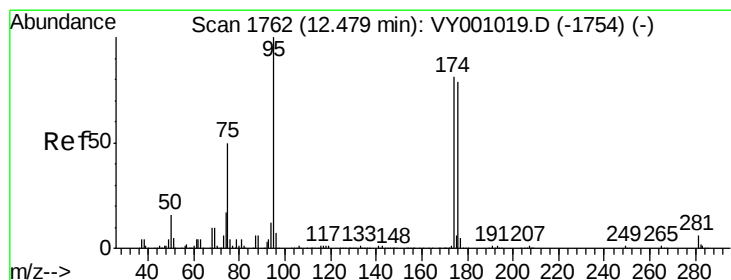
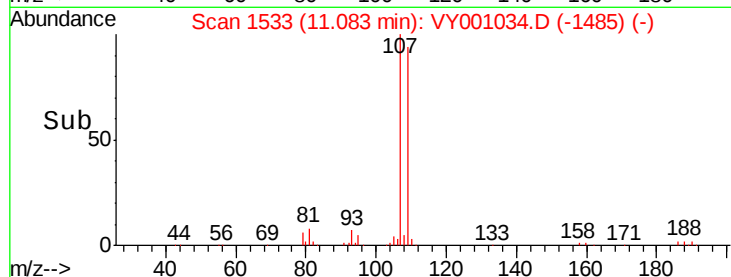
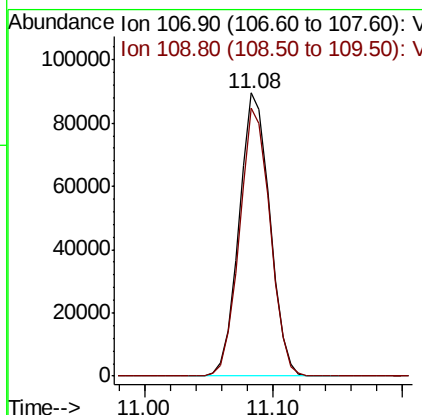
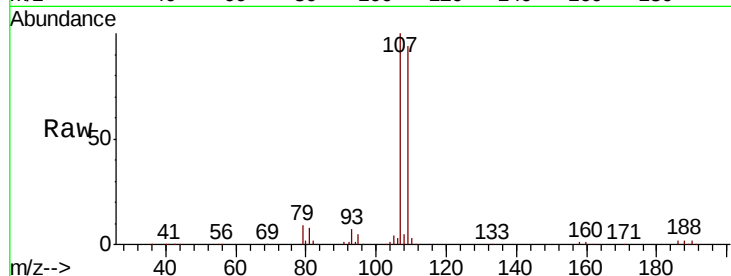




#61
 1,2-Dibromoethane
 Concen: 58.103 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

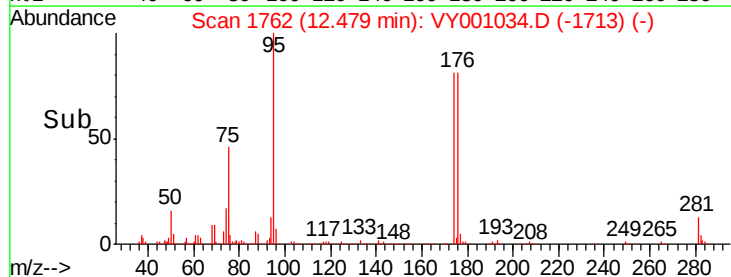
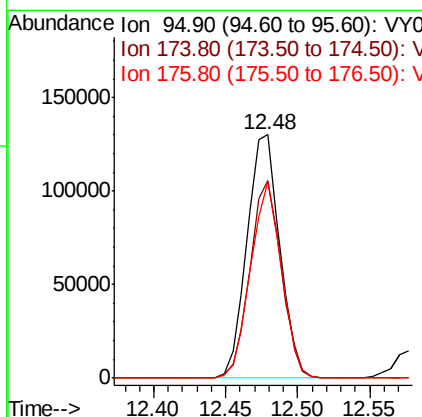
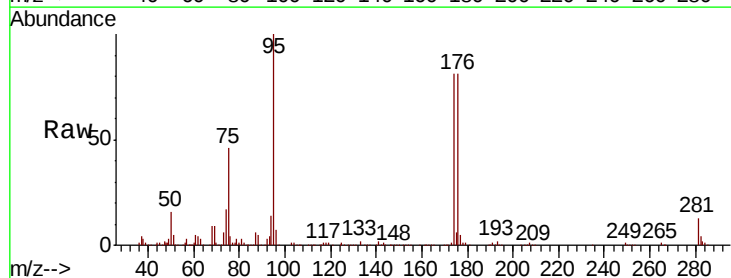
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

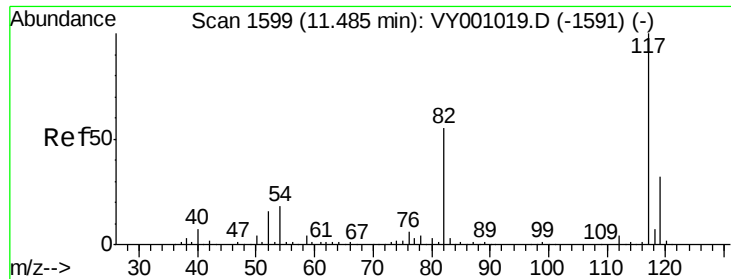
Tot Ion:107 Resp: 147317
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.620 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 95 Resp: 203234
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 156.4
 176 76.3 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

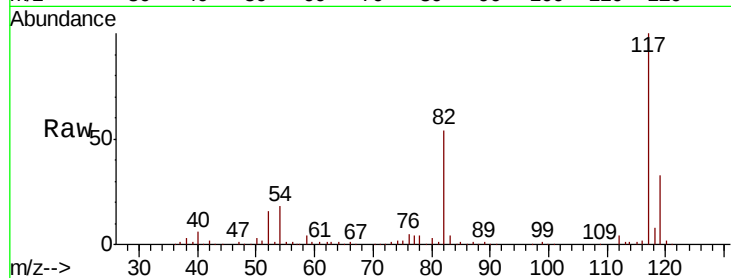
Tot Ion:117 Resp: 437834

Ion Ratio Lower Upper

117 100

82 53.5 43.8 65.8

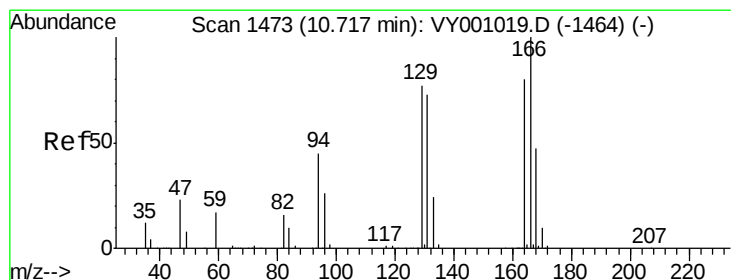
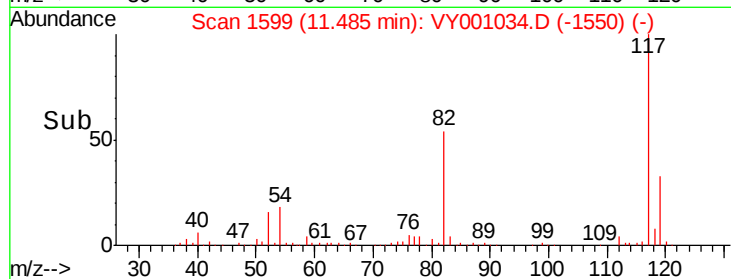
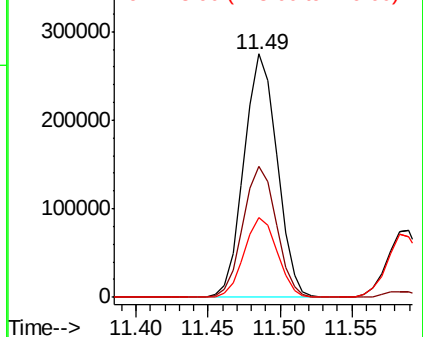
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 54.045 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion:164 Resp: 204738

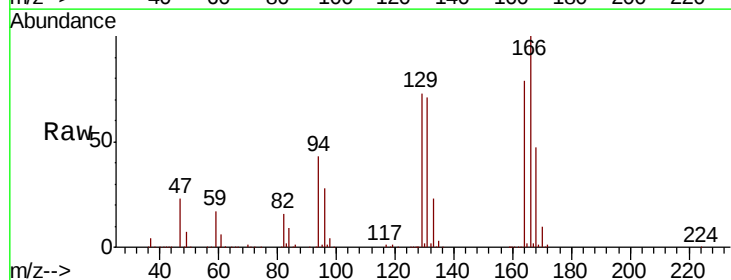
Ion Ratio Lower Upper

164 100

166 126.6 99.7 149.5

129 92.9 76.9 115.3

131 89.8 72.3 108.5

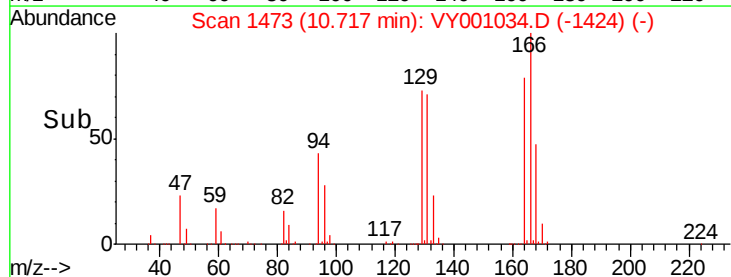
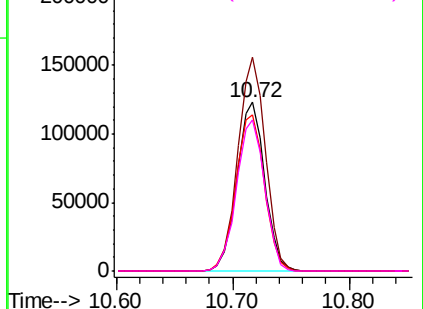


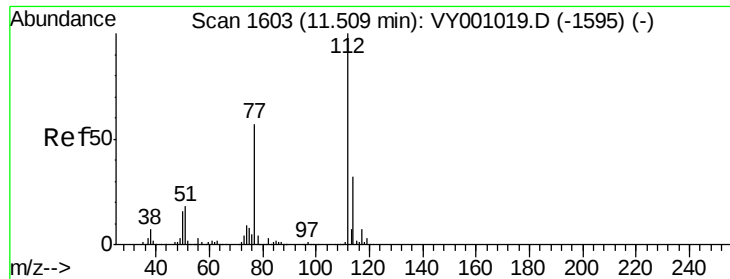
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

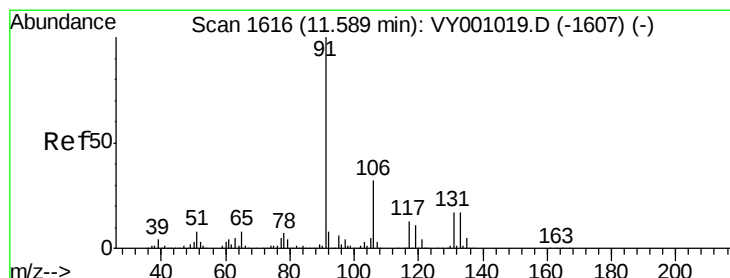
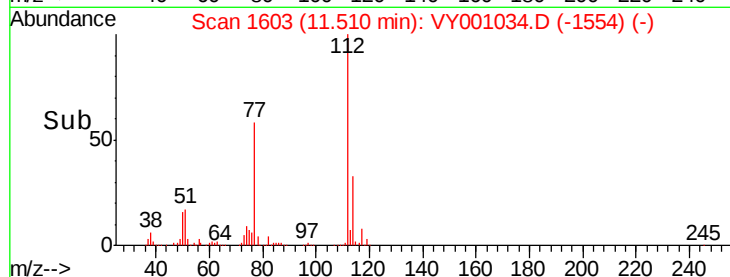
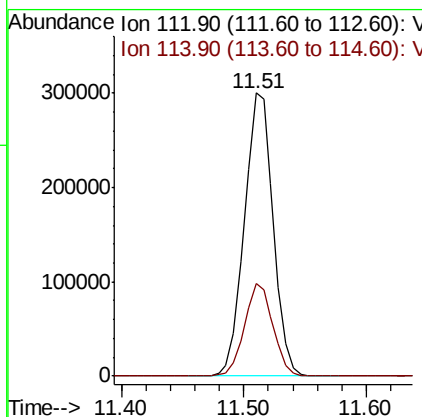
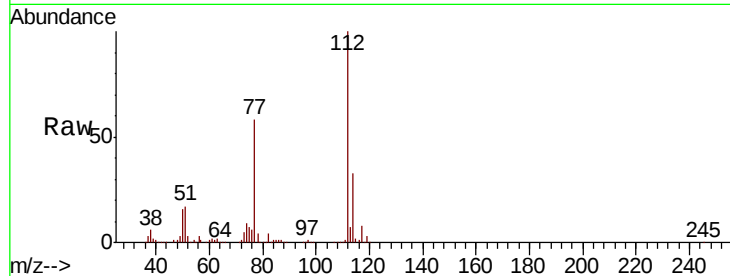




#65
Chlorobenzene
Concen: 53.896 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

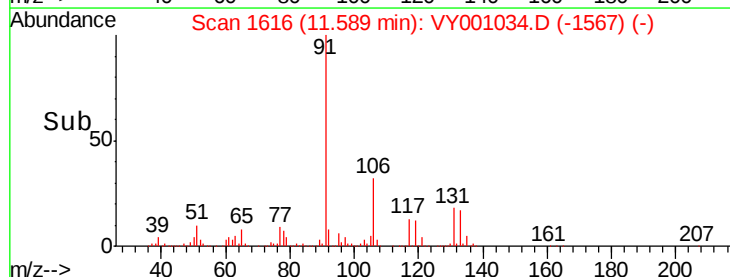
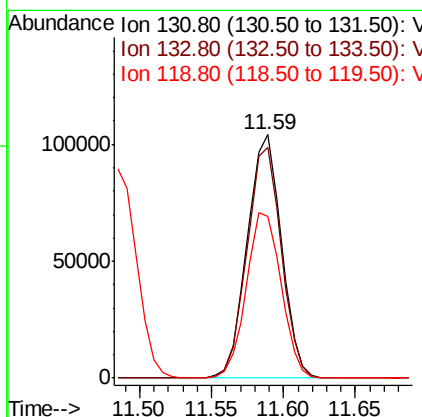
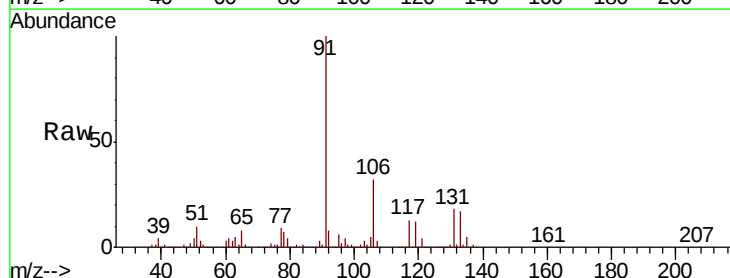
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

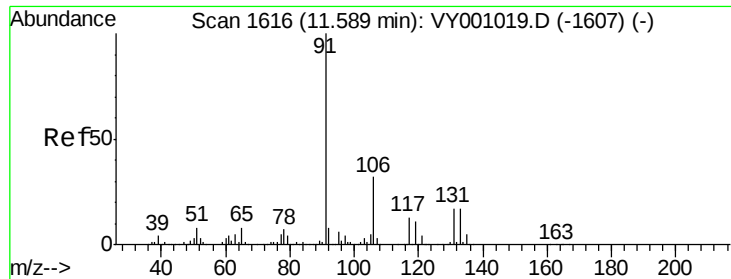
Tot Ion:112 Resp: 489482
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 56.875 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion:131 Resp: 170462
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 69.5 34.0 101.8

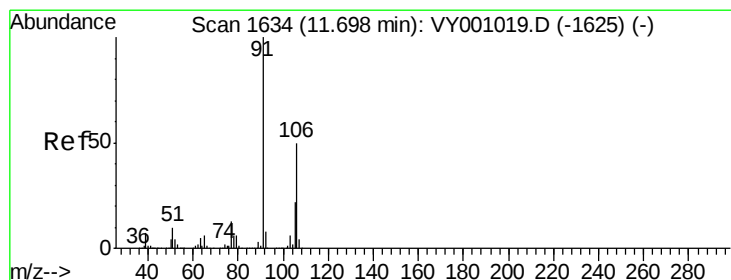
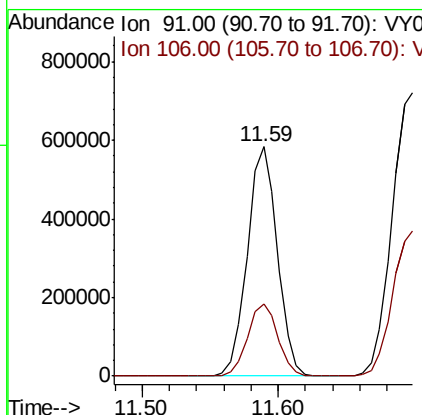
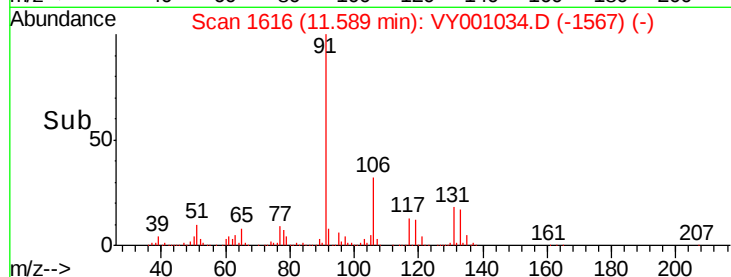
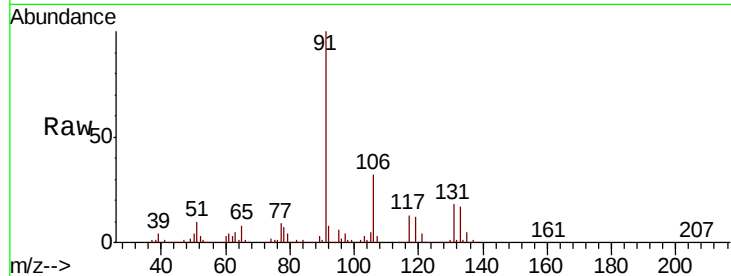




#67
Ethyl Benzene
Concen: 55.164 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

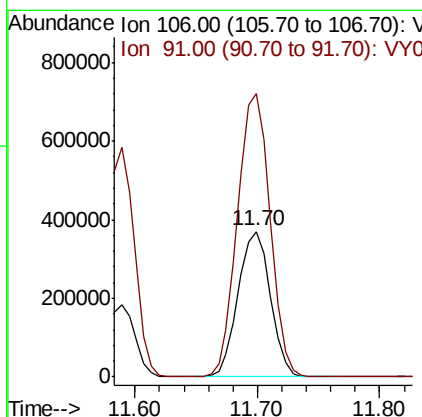
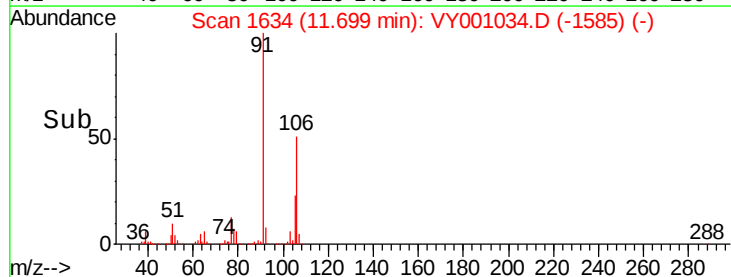
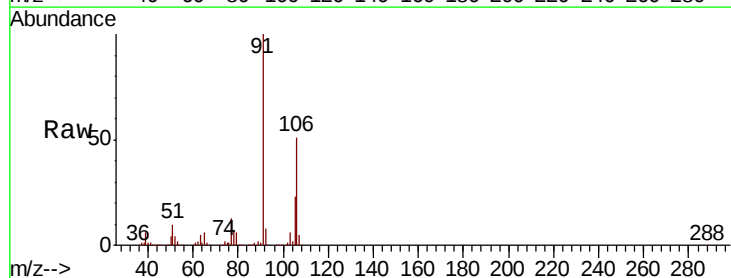
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

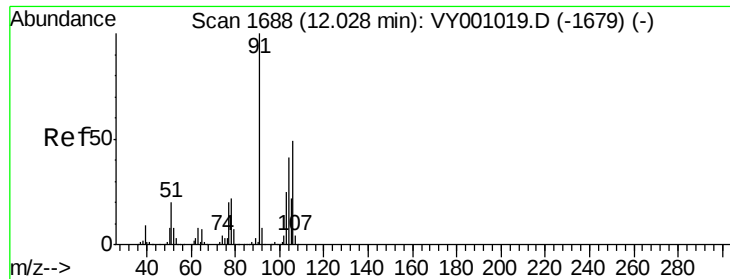
Tot Ion: 91 Resp: 901141
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 109.547 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 106 Resp: 679470
Ion Ratio Lower Upper
106 100
91 196.4 156.4 234.6

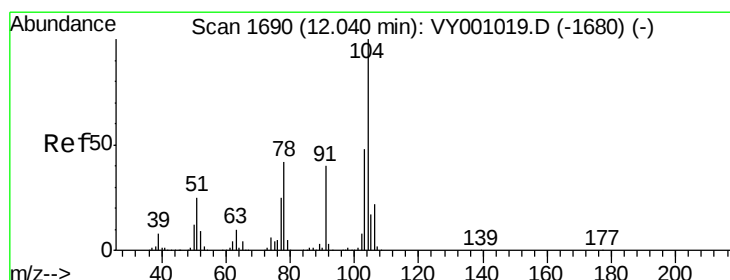
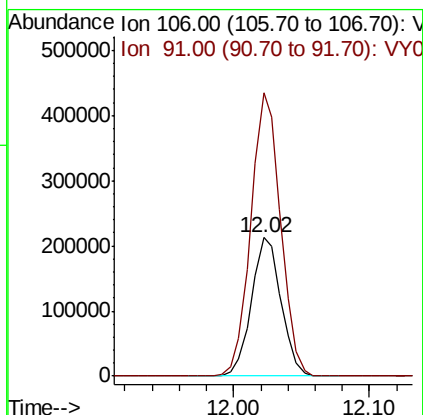
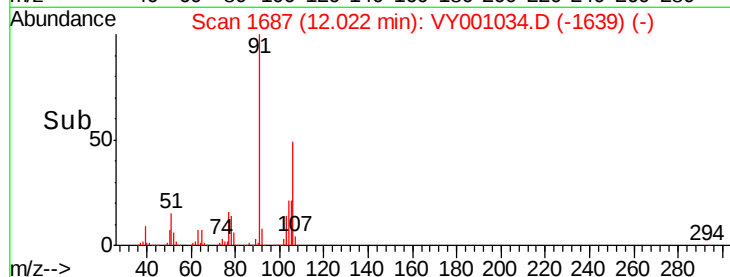
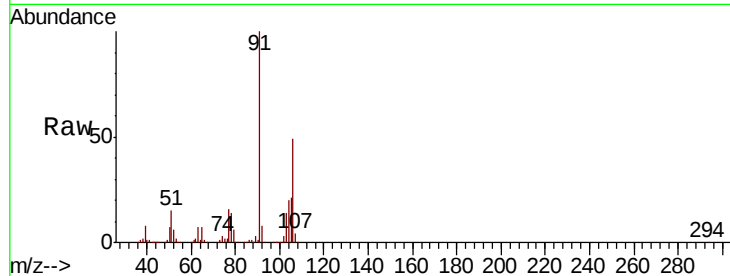




#69
o-Xylene
Concen: 55.731 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

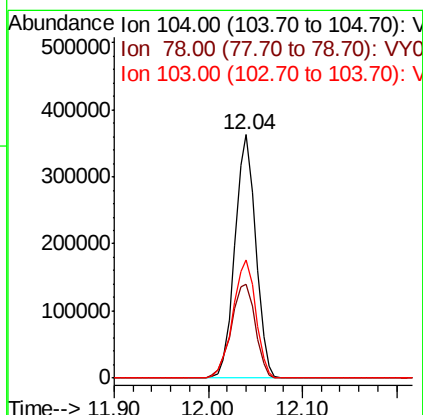
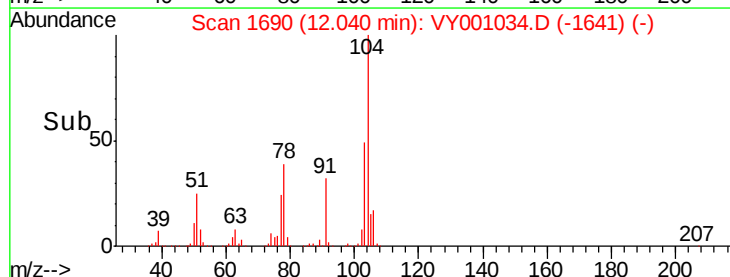
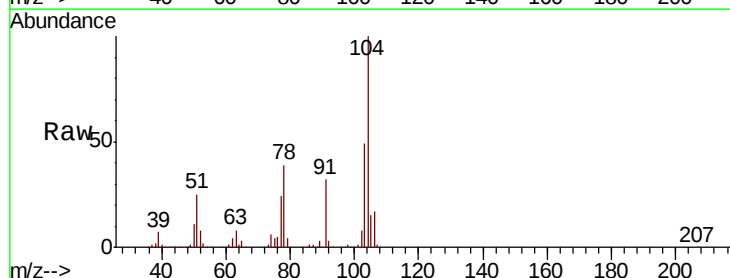
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

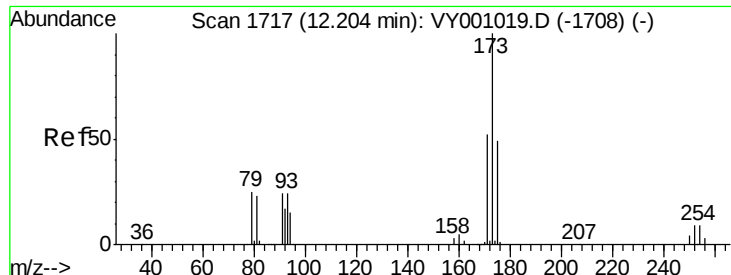
Tot Ion:106 Resp: 325198
Ion Ratio Lower Upper
106 100
91 205.1 103.0 309.0



#70
Styrene
Concen: 56.201 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion:104 Resp: 557618
Ion Ratio Lower Upper
104 100
78 44.8 36.6 54.8
103 53.2 42.6 64.0





#71

Bromoform

Concen: 59.041 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

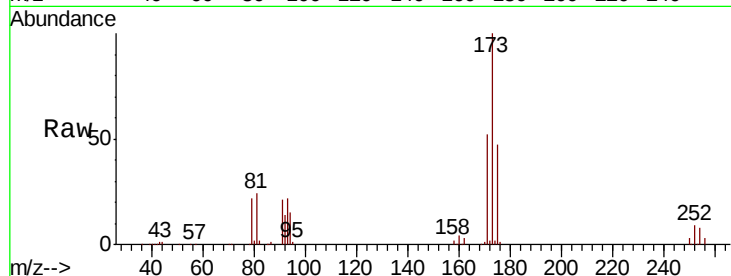
Tot Ion:173 Resp: 98530

Ion Ratio Lower Upper

173 100

175 47.2 24.5 73.5

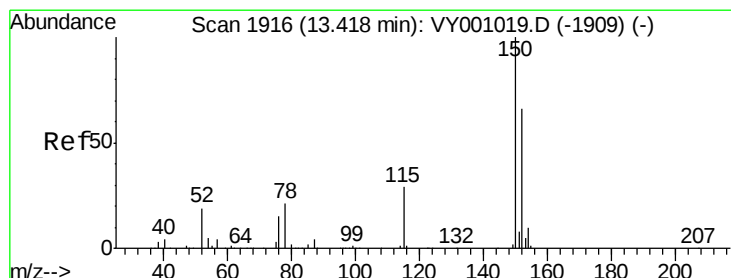
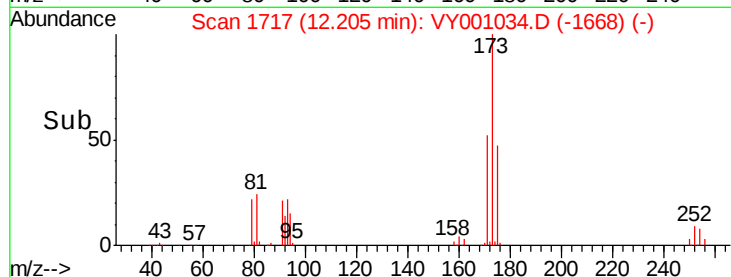
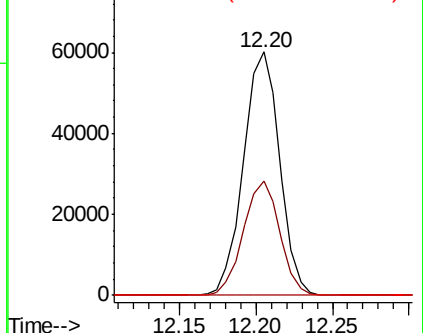
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

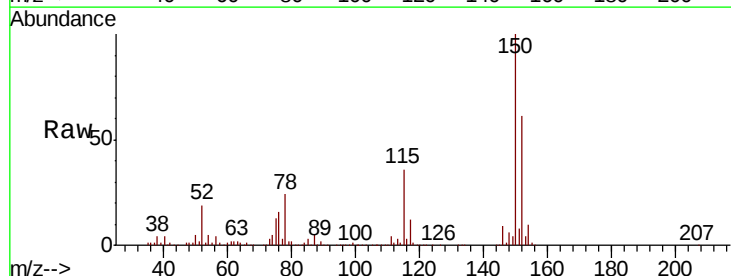
Tgt Ion:152 Resp: 211545

Ion Ratio Lower Upper

152 100

115 58.5 29.8 89.3

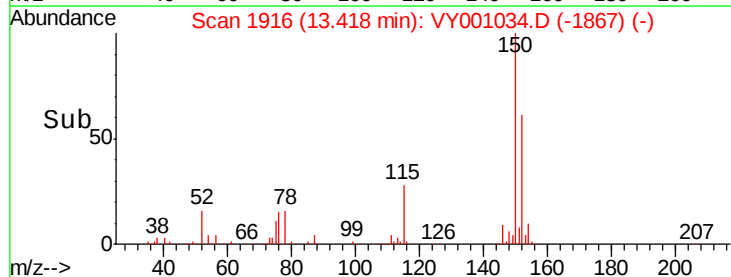
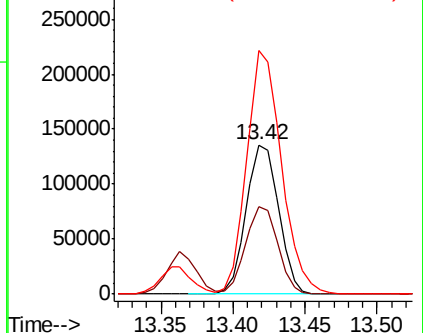
150 174.7 0.0 352.6

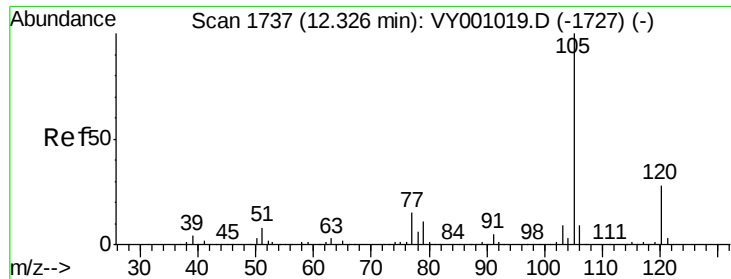


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.981 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

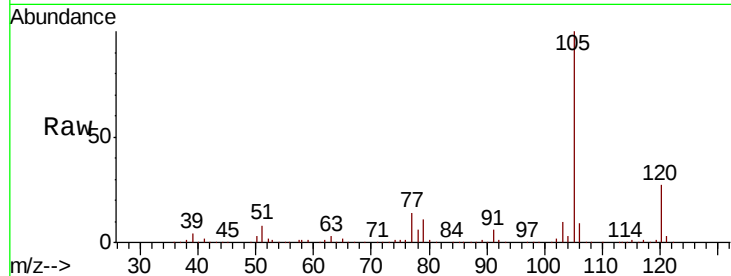
VSTDCCC050EC

Tot Ion:105 Resp: 850945

Ion Ratio Lower Upper

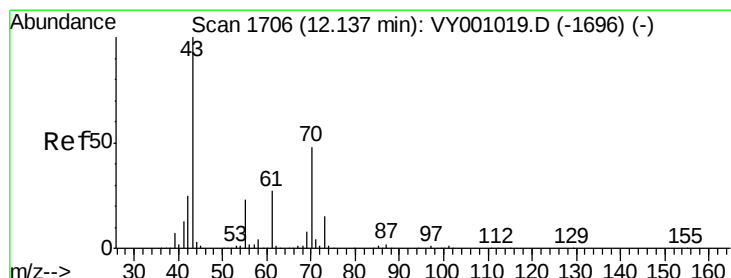
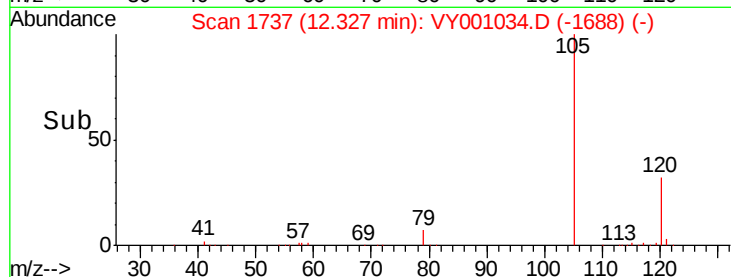
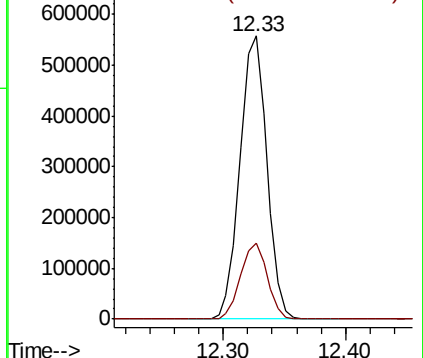
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.481 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion: 43 Resp: 238605

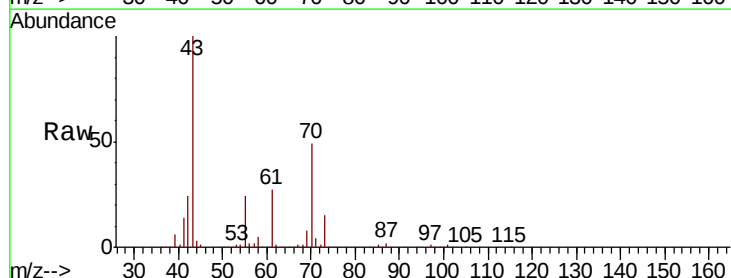
Ion Ratio Lower Upper

43 100

70 48.5 39.0 58.6

55 24.4 19.5 29.3

61 27.8 22.0 33.0

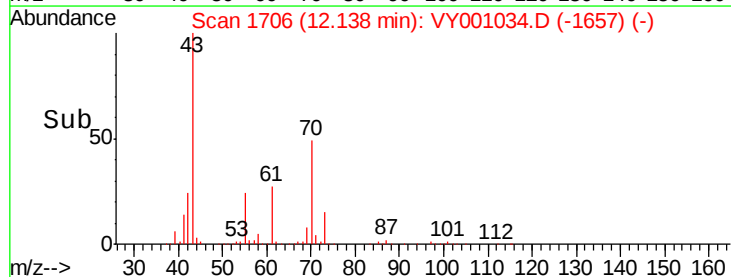
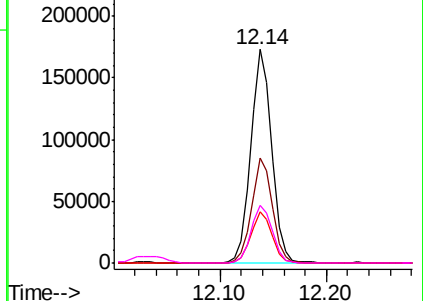


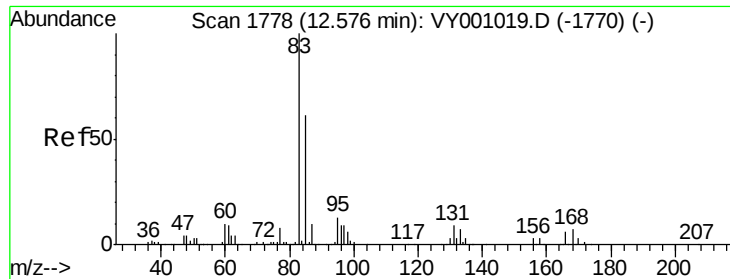
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.138 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

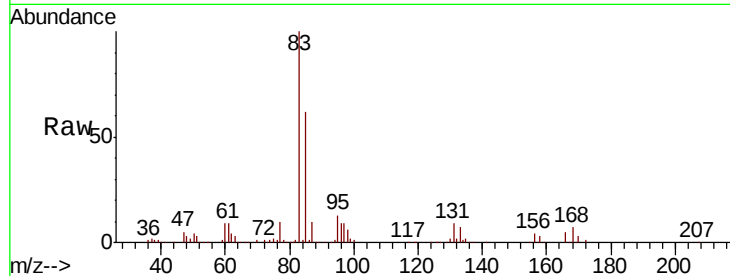
Tot Ion: 83 Resp: 177818

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

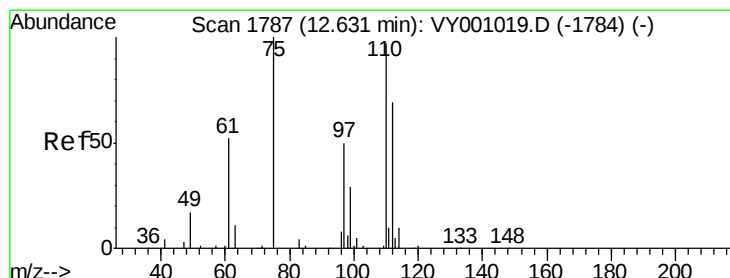
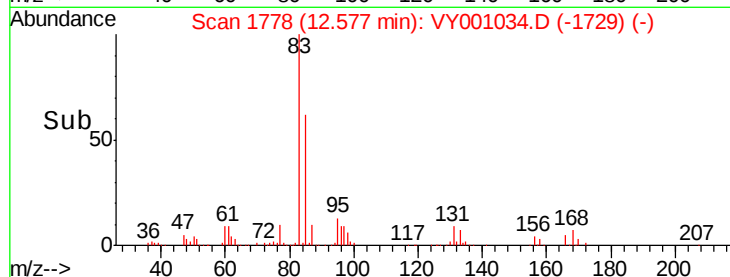
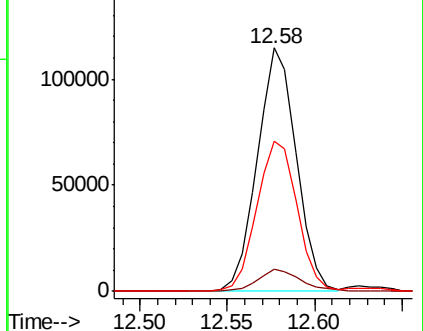
85 64.1 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY001019.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY001019.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY001019.D (-1770) (-)



#76

1,2,3-Trichloropropane

Concen: 92.458 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001034.D

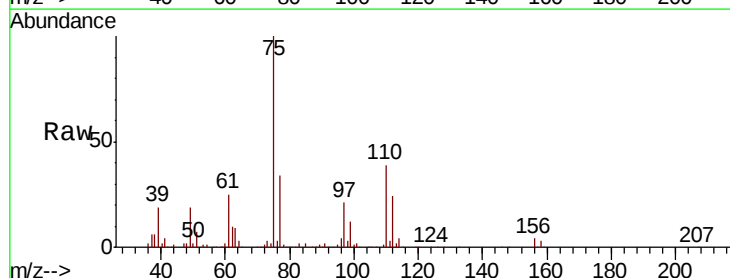
Acq: 23 Dec 2019 17:22

Tgt Ion: 75 Resp: 241123

Ion Ratio Lower Upper

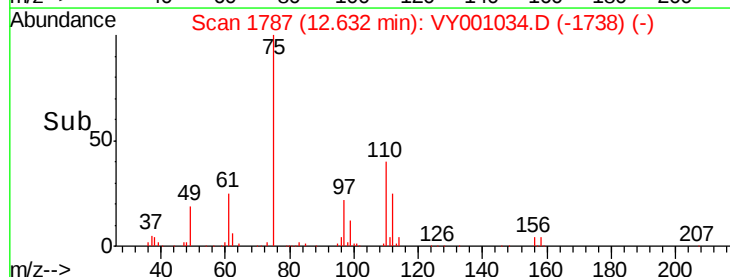
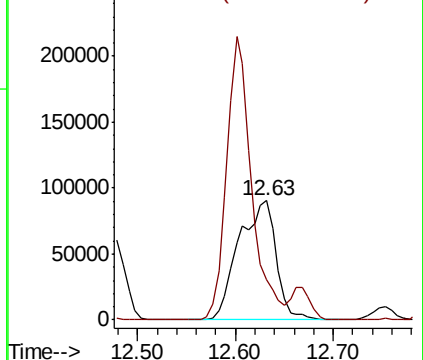
75 100

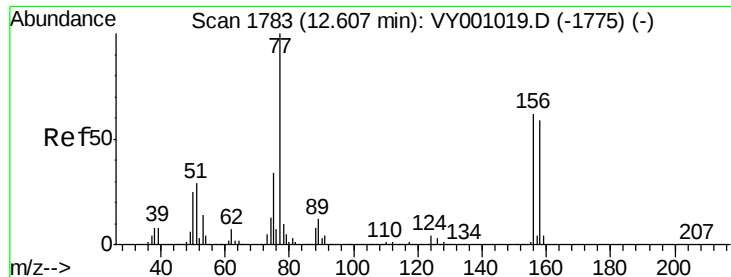
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-1784) (-)

Ion 77.00 (76.70 to 77.70): VY001019.D (-1784) (-)





#77

Bromobenzene

Concen: 52.302 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

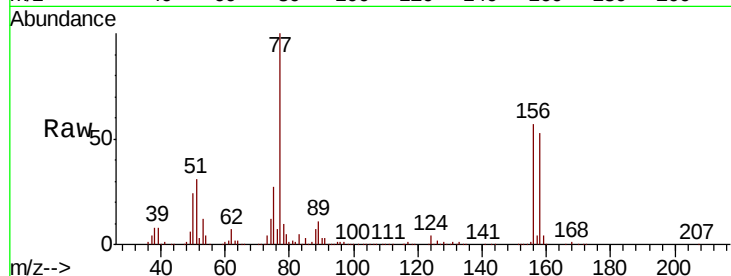
Tot Ion:156 Resp: 192565

Ion Ratio Lower Upper

156 100

77 197.6 98.0 294.1

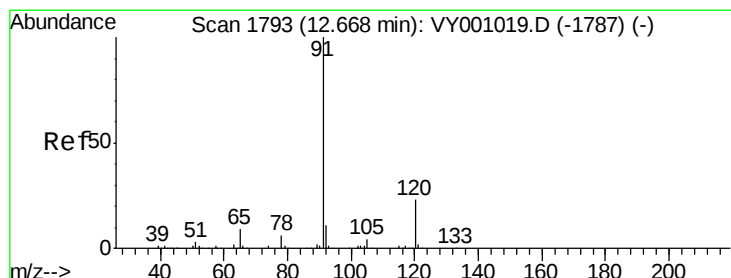
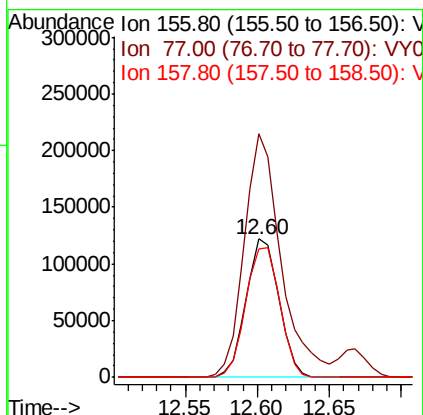
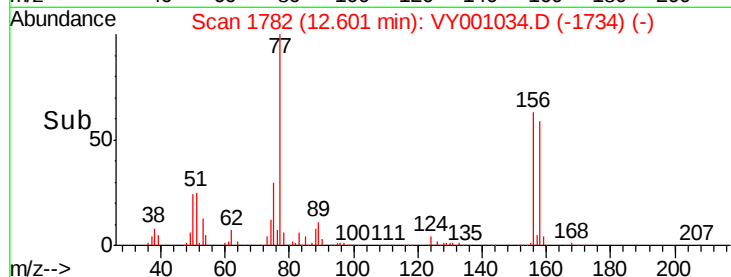
158 97.2 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.145 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001034.D

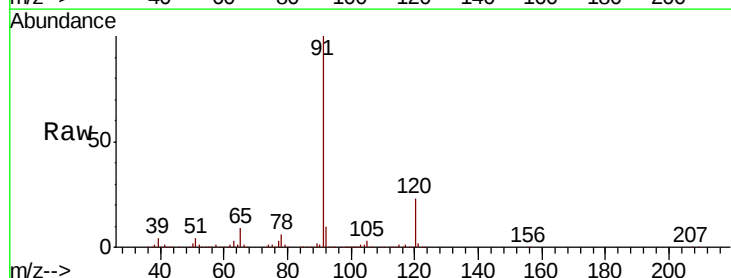
Acq: 23 Dec 2019 17:22

Tgt Ion: 91 Resp: 1040155

Ion Ratio Lower Upper

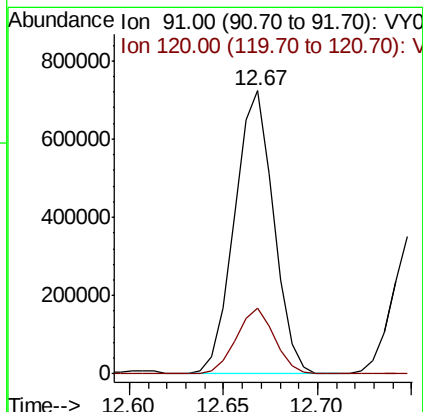
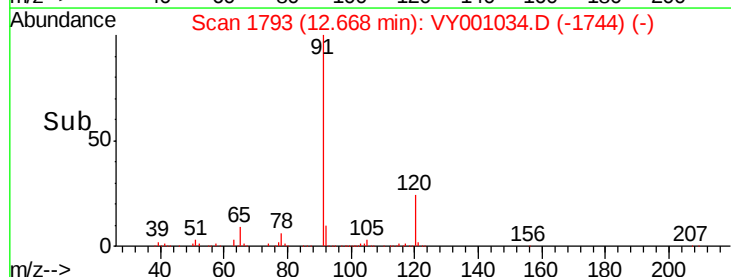
91 100

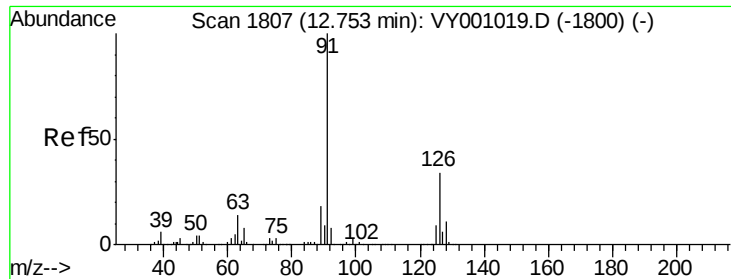
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

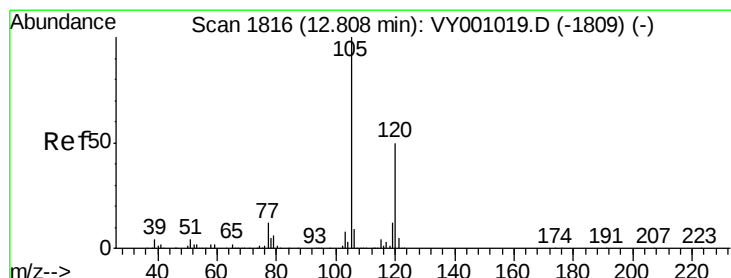
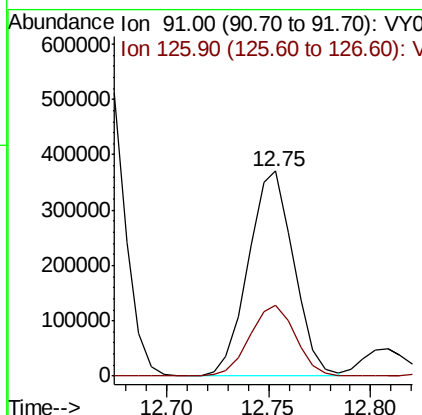
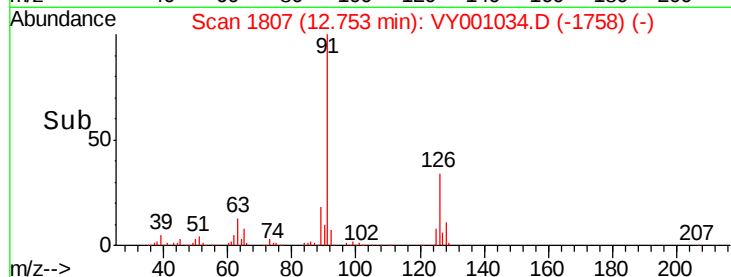
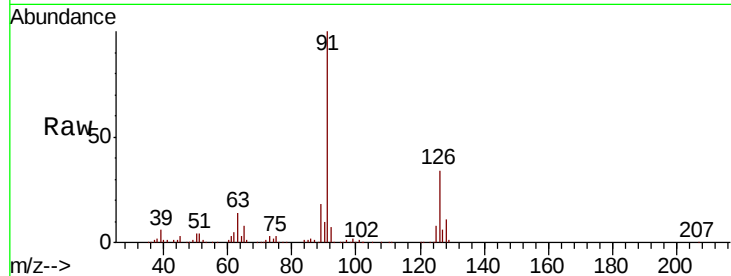




#79
 2-Chlorotoluene
 Concen: 52.149 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

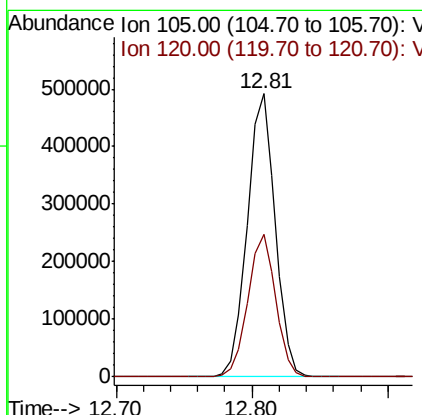
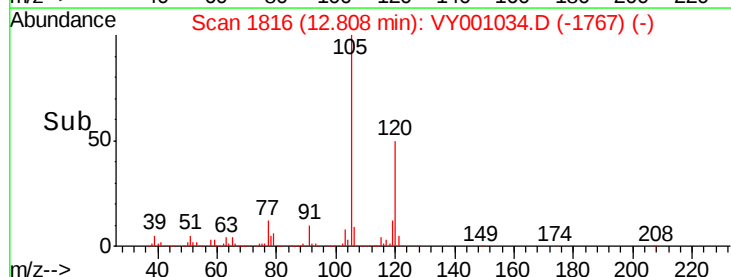
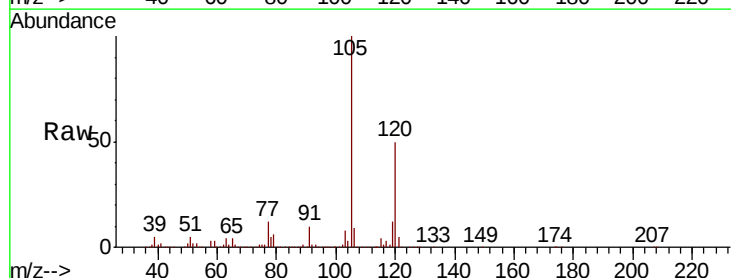
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

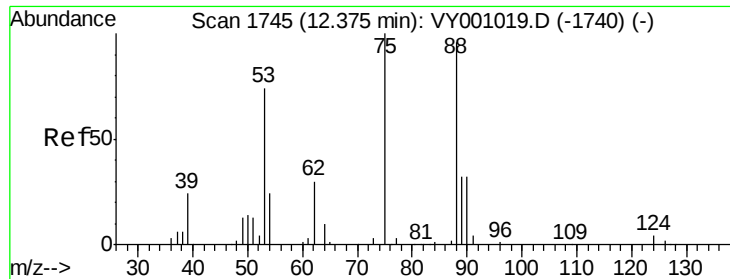
Tot Ion: 91 Resp: 574459
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.625 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 105 Resp: 706158
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.860 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

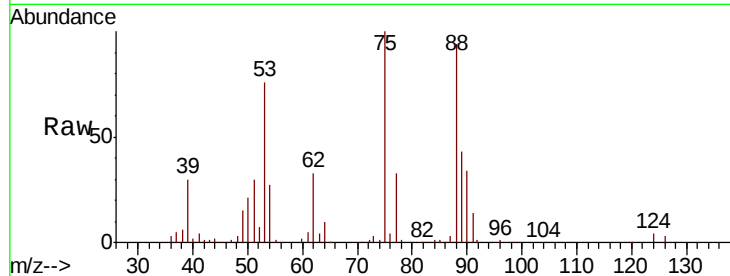
Tot Ion: 75 Resp: 68305

Ion Ratio Lower Upper

75 100

53 74.3 60.6 91.0

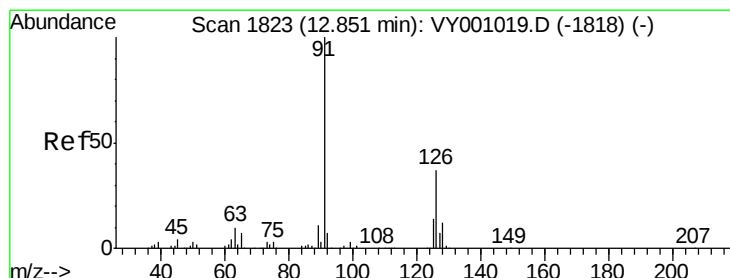
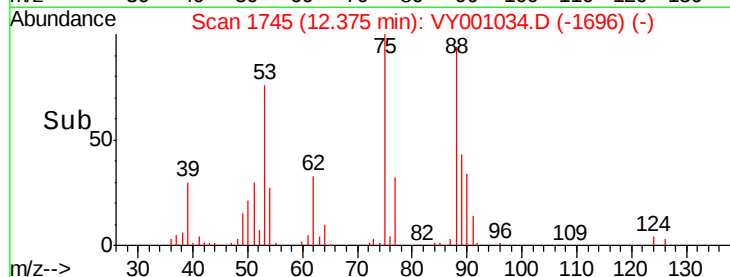
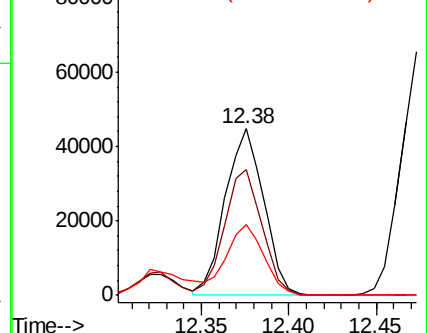
89 41.4 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY001019.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY001019.D (-1740) (-)



#82

4-Chlorotoluene

Concen: 52.349 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001034.D

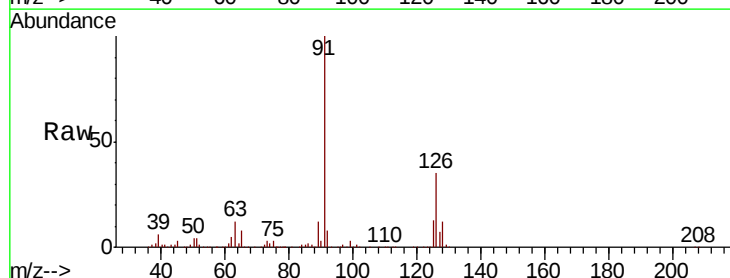
Acq: 23 Dec 2019 17:22

Tgt Ion: 91 Resp: 598967

Ion Ratio Lower Upper

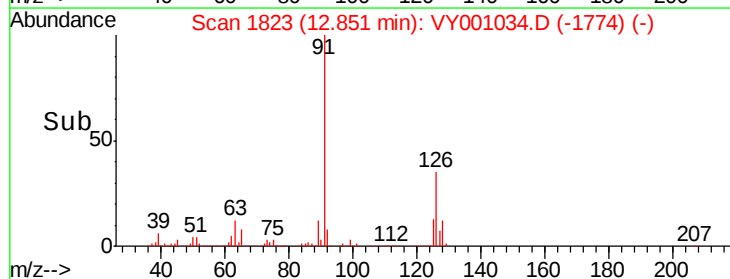
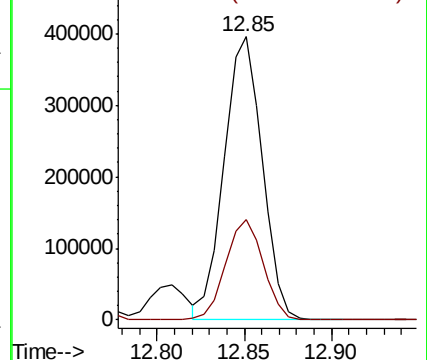
91 100

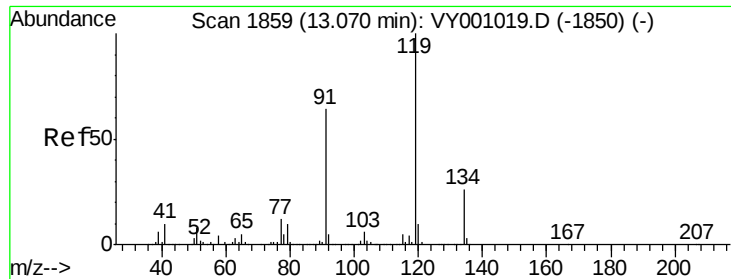
126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VY001019.D (-1818) (-)

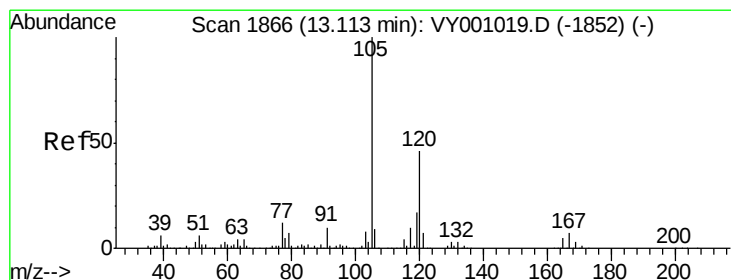
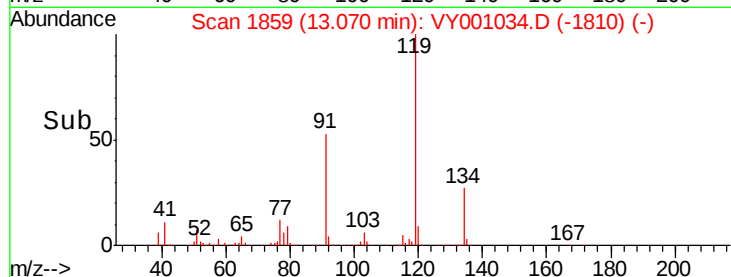
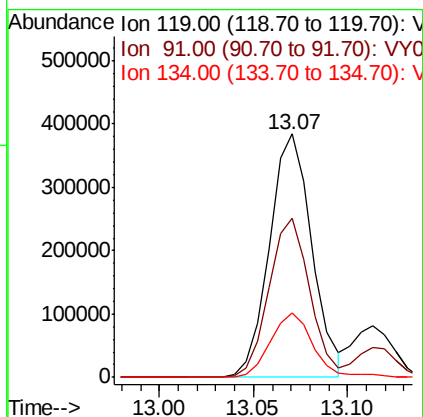
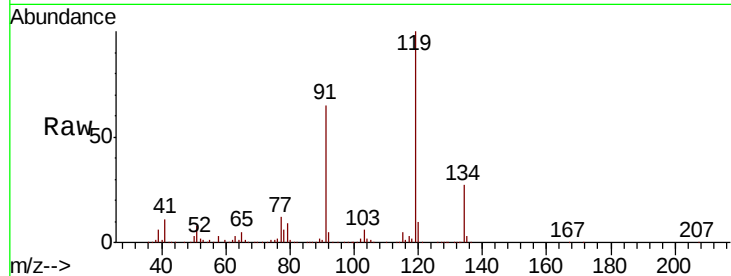




#83
tert-Butylbenzene
Concen: 53.181 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

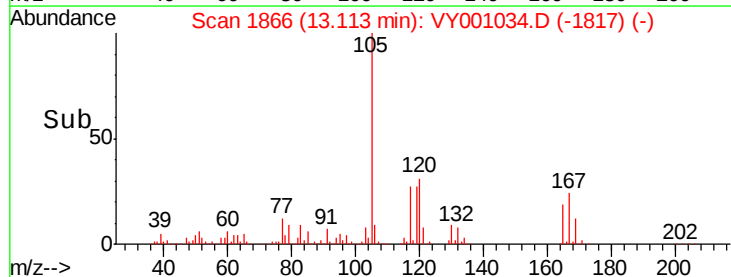
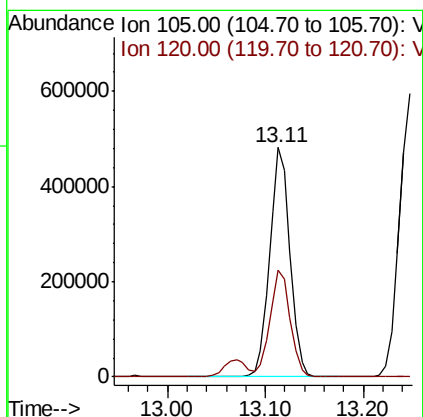
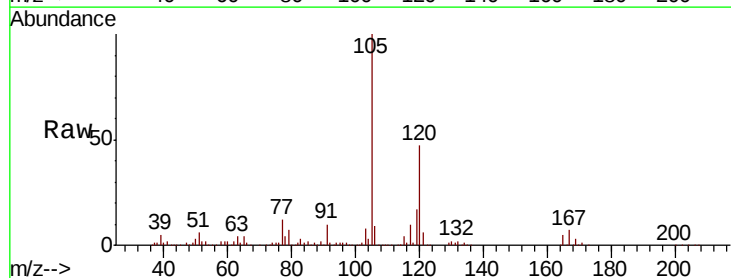
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

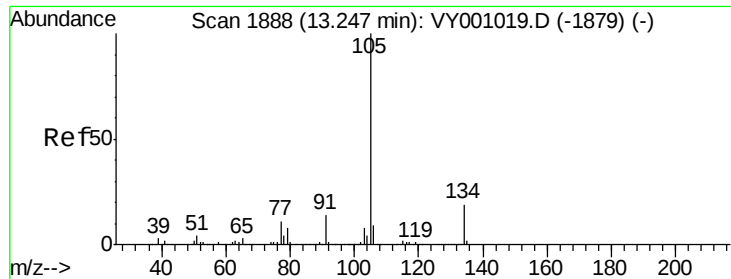
Tot Ion:119 Resp: 599033
Ion Ratio Lower Upper
119 100
91 62.9 31.9 95.7
134 26.6 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 52.314 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion:105 Resp: 705417
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.2





#85

sec-Butylbenzene

Concen: 52.673 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

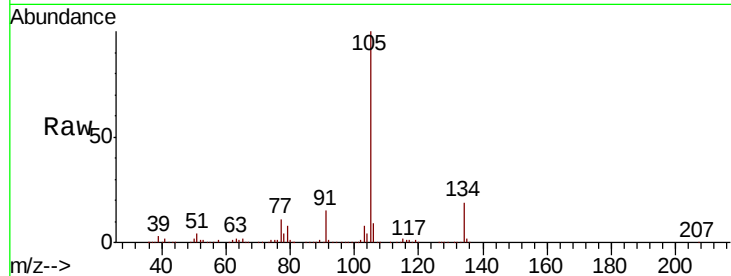
VSTDCCC050EC

Tot Ion:105 Resp: 874684

Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

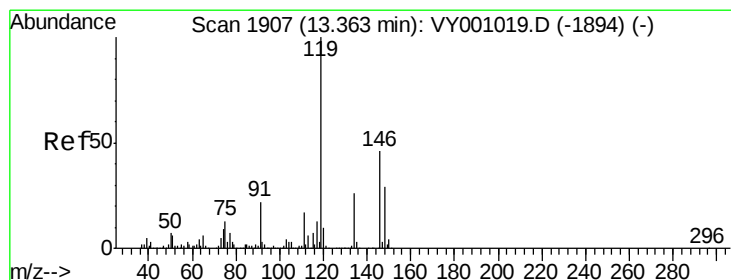
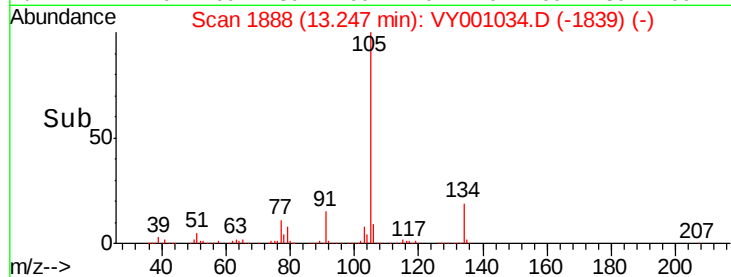
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.226 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

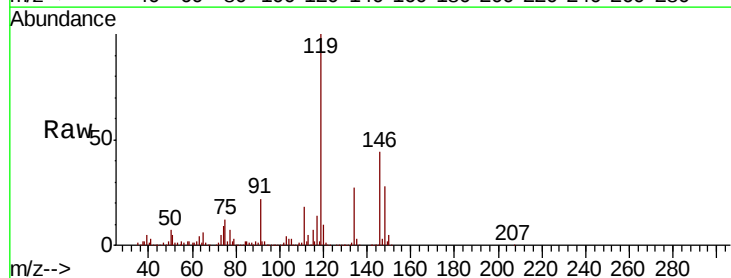
Tgt Ion:119 Resp: 764795

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 22.5 11.4 34.1



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

13.36

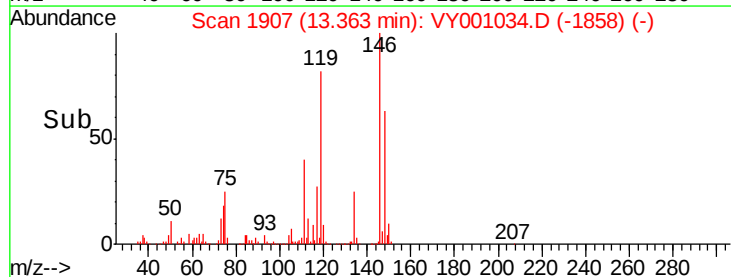
600000

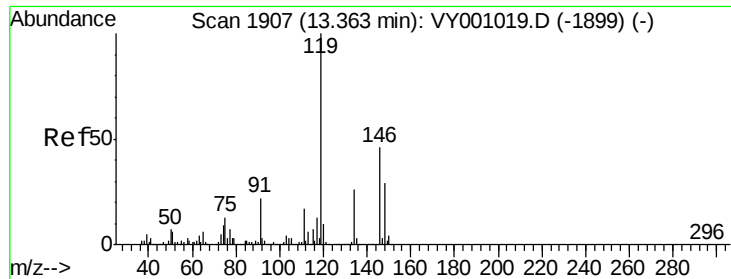
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.091 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

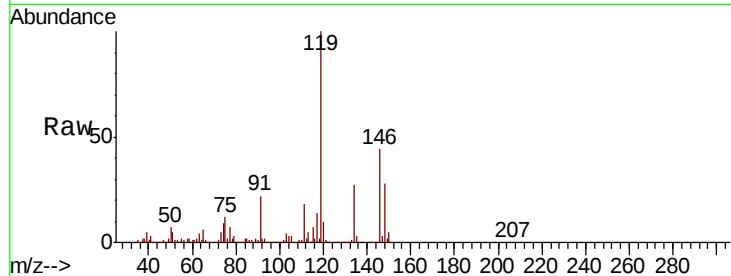
Tot Ion:146 Resp: 375414

Ion Ratio Lower Upper

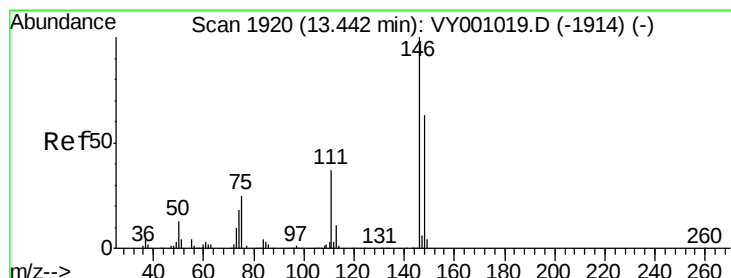
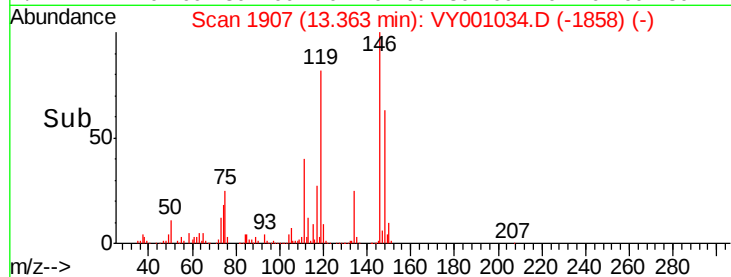
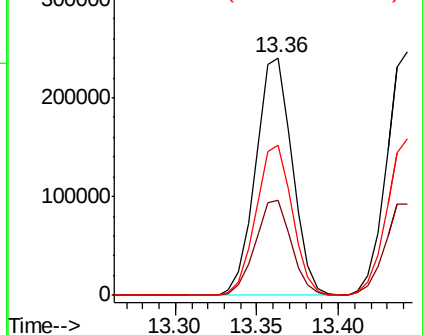
146 100

111 39.3 19.7 59.0

148 62.9 31.9 95.5



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: 52.565 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

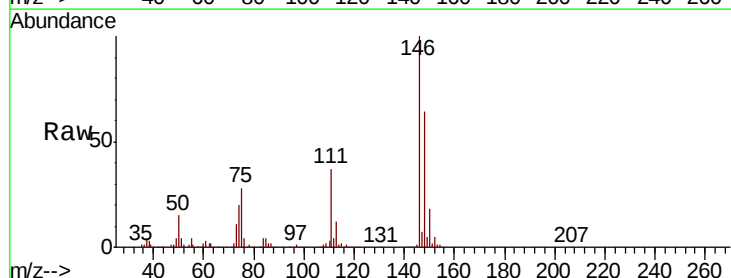
Tgt Ion:146 Resp: 374960

Ion Ratio Lower Upper

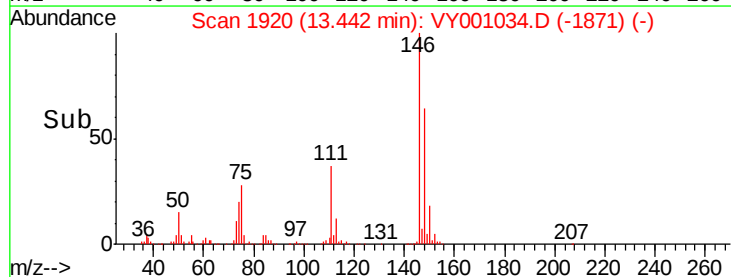
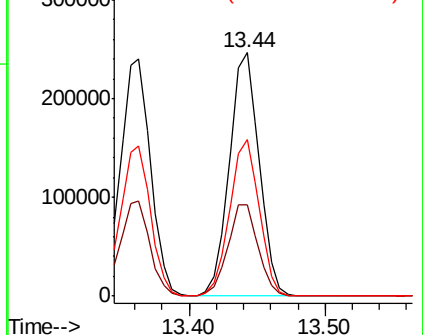
146 100

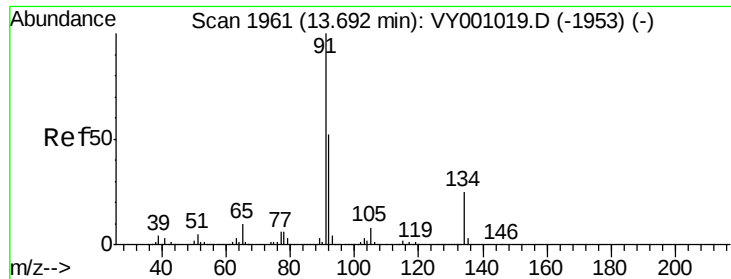
111 38.2 19.4 58.2

148 63.6 31.8 95.3



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

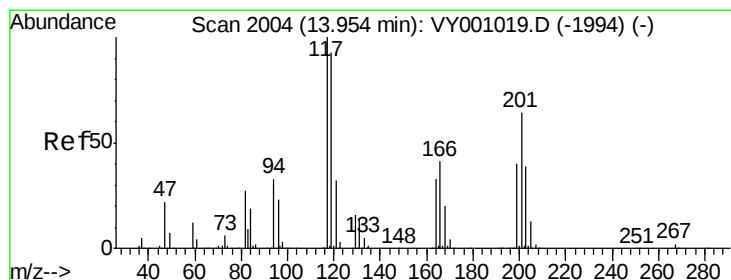
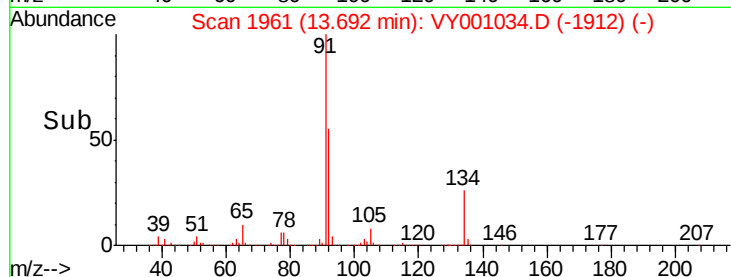
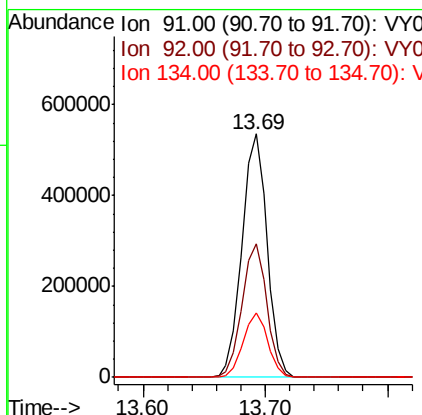
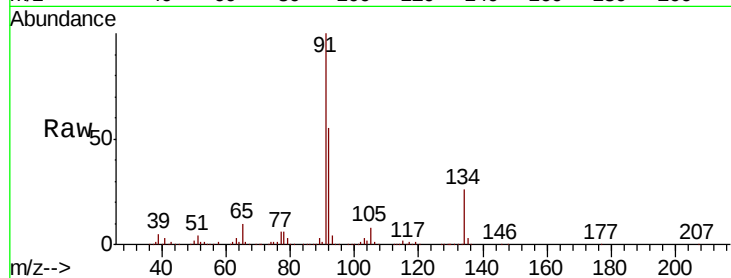




#89
n-Butylbenzene
Concen: 52.690 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

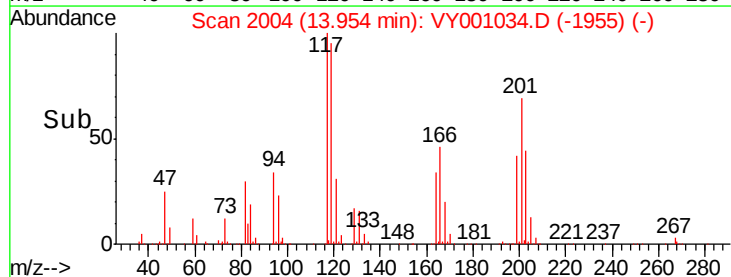
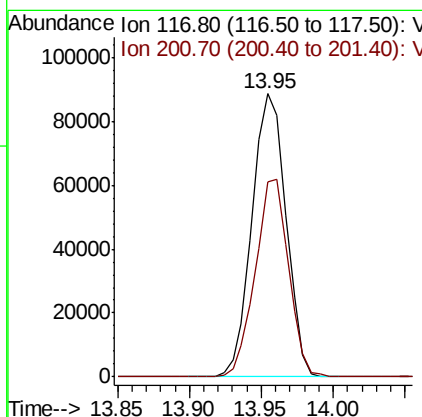
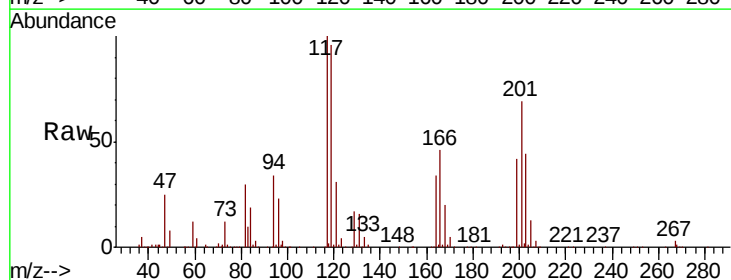
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

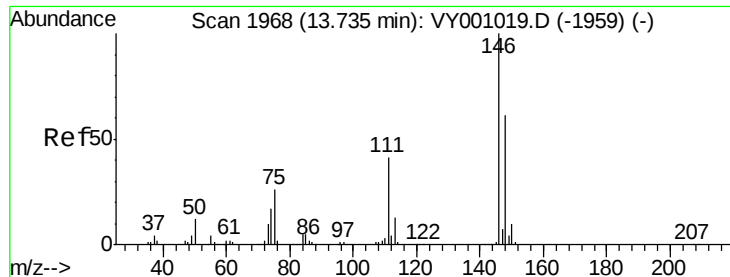
Tot Ion: 91 Resp: 761713
Ion Ratio Lower Upper
91 100
92 54.1 26.9 80.7
134 26.0 12.7 38.0



#90
Hexachloroethane
Concen: 53.390 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 117 Resp: 144535
Ion Ratio Lower Upper
117 100
201 68.3 33.7 101.1

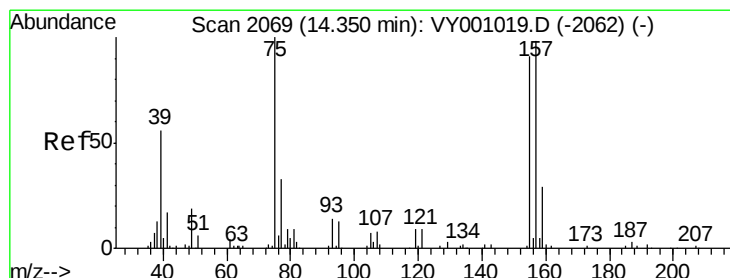
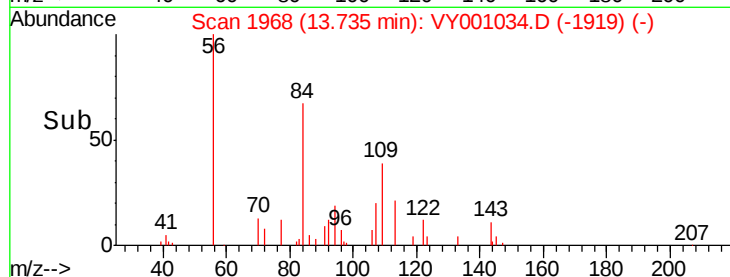
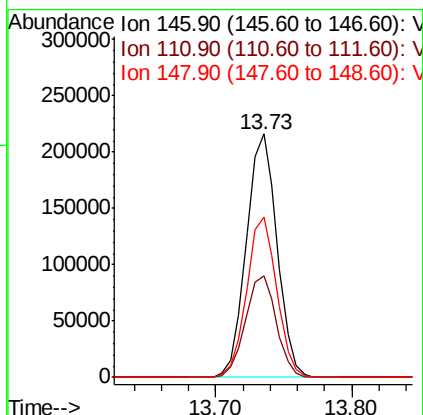
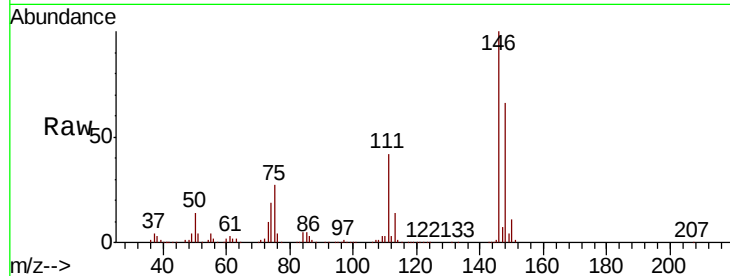




#91
 1,2-Dichlorobenzene
 Concen: 52.356 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

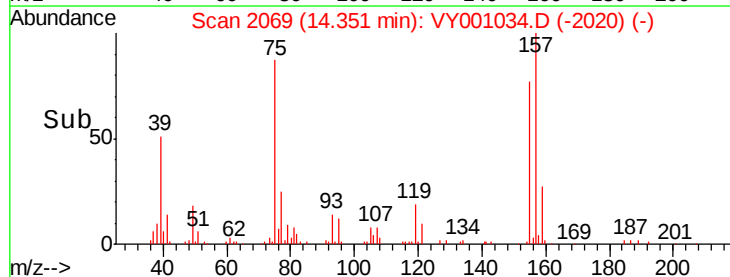
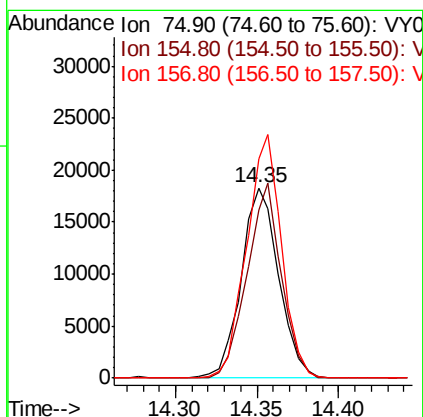
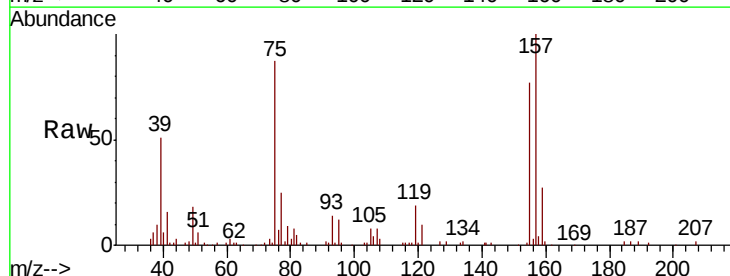
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

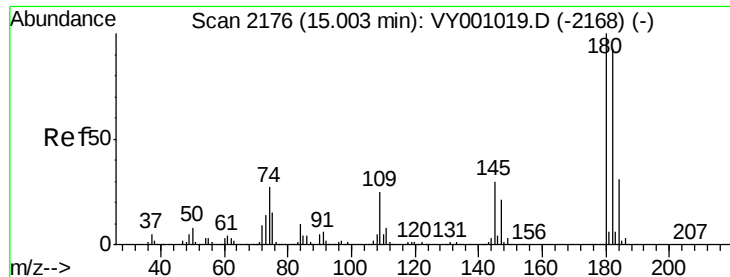
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.9
148	64.5	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.339 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	46.3	138.9
157	119.1	58.1	174.4

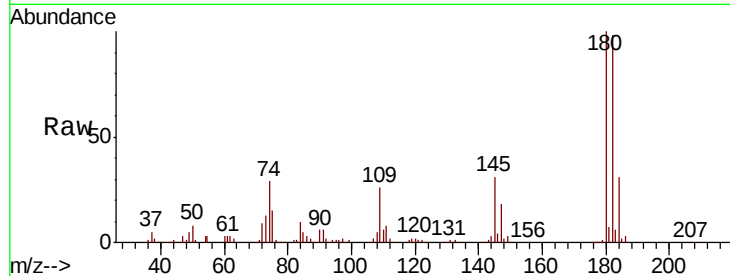




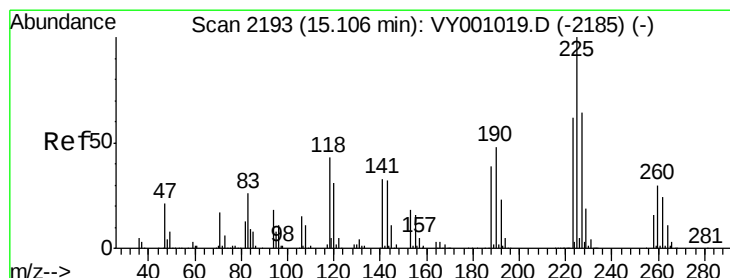
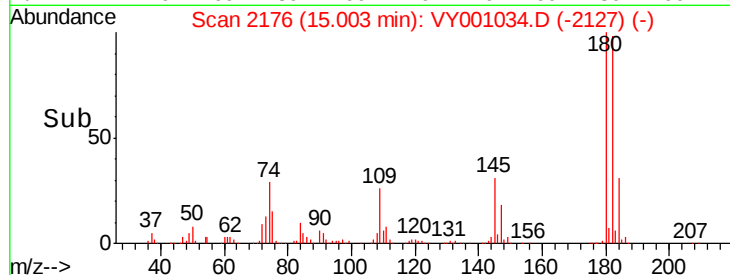
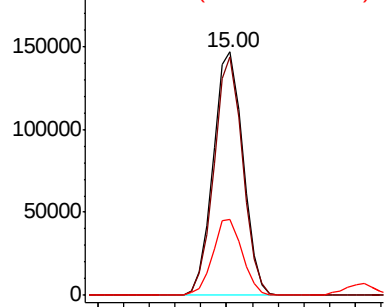
#93
 1,2,4-Trichlorobenzene
 Concen: 53.016 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 233416
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.8 140.3
 145 31.0 15.3 45.9

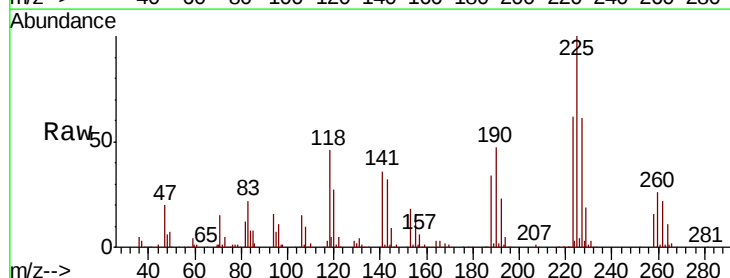


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

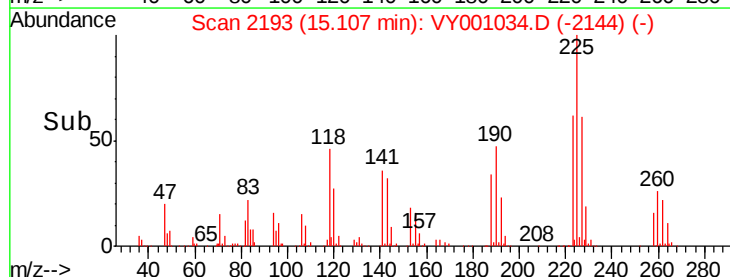
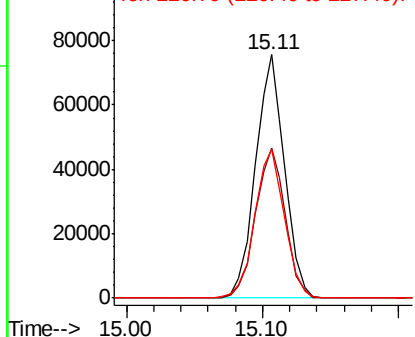


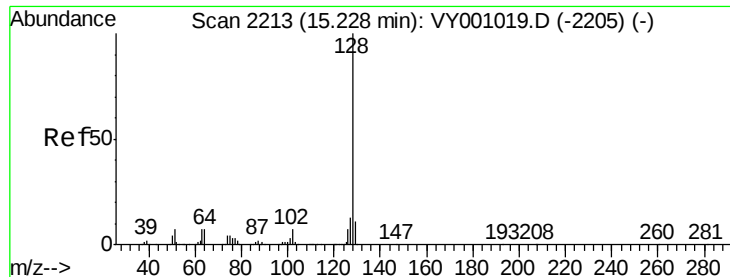
#94
 Hexachlorobutadiene
 Concen: 53.728 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion:225 Resp: 112567
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 94.8
 227 62.9 31.9 95.5



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

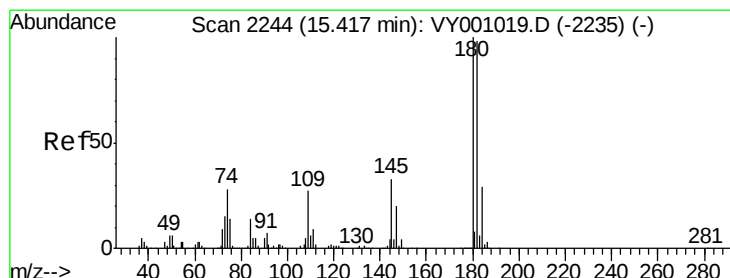
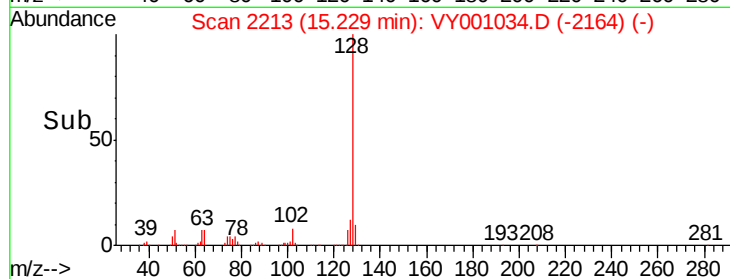
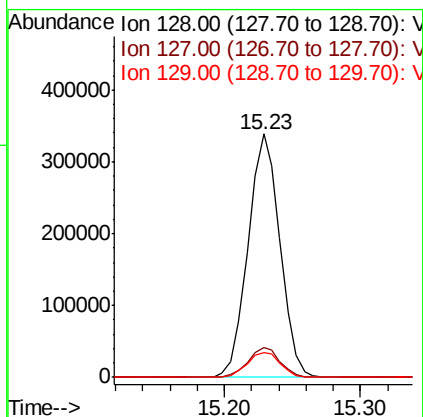
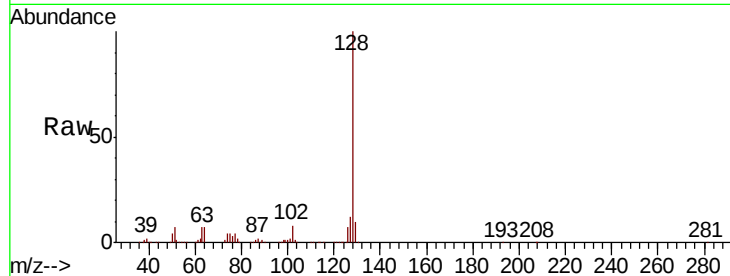




#95
Naphthalene
Concen: 53.618 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 555157
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.613 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion:180 Resp: 210503
Ion Ratio Lower Upper
180 100
182 94.7 47.9 143.8
145 32.3 16.3 48.9

