

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122419\
 Data File : VY001036.D
 Acq On : 24 Dec 2019 10:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 25 01:20:03 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	321098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	499262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	157303	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.73	113	164039	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.18	98	689329	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.48	95	224970	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	143388	51.247	ug/l	99
3) Chloromethane	2.11	50	192966	50.673	ug/l	96
4) Vinyl Chloride	2.26	62	193584	52.346	ug/l	100
5) Bromomethane	2.65	94	121419	52.596	ug/l	96
6) Chloroethane	2.80	64	120592	52.355	ug/l	92
7) Trichlorofluoromethane	3.13	101	277572	51.173	ug/l	96
8) Diethyl Ether	3.54	74	113119	51.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	182882	51.327	ug/l	96
10) Methyl Iodide	4.10	142	258355	52.481	ug/l	99
11) Tert butyl alcohol	4.96	59	79703	228.892	ug/l	100
12) 1,1-Dichloroethene	3.88	96	188834	52.348	ug/l	98
13) Acrolein	3.74	56	106301	246.383	ug/l	99
14) Allyl chloride	4.49	41	292867	52.262	ug/l	99
15) Acrylonitrile	5.17	53	282663	255.439	ug/l	99
16) Acetone	3.96	43	153838	210.860	ug/l	94
17) Carbon Disulfide	4.20	76	618163	52.442	ug/l	97
18) Methyl Acetate	4.48	43	136121	48.631	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	477260	51.261	ug/l	98
20) Methylene Chloride	4.72	84	211531	49.259	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	210589	52.676	ug/l	95
22) Diisopropyl ether	6.13	45	578974	51.115	ug/l	98
23) Vinyl Acetate	6.07	43	1834755	256.485	ug/l	99
24) 1,1-Dichloroethane	6.02	63	345045	51.548	ug/l	96
25) 2-Butanone	7.00	43	310503	242.264	ug/l	99
26) 2,2-Dichloropropane	6.99	77	287332	52.248	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	229591	52.273	ug/l	99
28) Bromochloromethane	7.34	49	139393	53.372	ug/l	98
29) Tetrahydrofuran	7.36	42	222449	243.997	ug/l	99
30) Chloroform	7.52	83	327160	51.689	ug/l	99
31) Cyclohexane	7.79	56	348088	49.454	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	277437	51.384	ug/l	99
36) 1,1-Dichloropropene	7.92	75	279828	52.664	ug/l	99
37) Ethyl Acetate	7.08	43	145534	49.466	ug/l	99
38) Carbon Tetrachloride	7.91	117	245071	52.643	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	378080	53.582	ug/l	98
40) Benzene	8.17	78	839519	52.372	ug/l	98
41) Methacrylonitrile	7.35	41	193150	151.424	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	199617	52.086	ug/l	100
43) Isopropyl Acetate	8.28	43	273075	50.139	ug/l	99
44) Trichloroethene	8.94	130	219721	52.023	ug/l	99
45) 1,2-Dichloropropane	9.22	63	207567	51.616	ug/l	99
46) Dibromomethane	9.31	93	107290	51.757	ug/l	98
47) Bromodichloromethane	9.50	83	247129	51.466	ug/l	95
48) Methyl methacrylate	9.30	41	122632	52.764	ug/l	99
49) 1,4-Dioxane	9.30	88	30524	1006.592	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	714114	251.564	ug/l	99
52) Toluene	10.24	92	516353	52.335	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	275858	52.935	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	332128	53.002	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	159719	51.610	ug/l	96
56) Ethyl methacrylate	10.51	69	230353	52.300	ug/l	100
57) 1,3-Dichloropropane	10.79	76	281999	51.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	400390	235.360	ug/l	99
59) 2-Hexanone	10.83	43	504219	256.703	ug/l	100
60) Dibromochloromethane	10.99	129	174674	52.840	ug/l	100
61) 1,2-Dibromoethane	11.09	107	156363	52.837	ug/l	99
64) Tetrachloroethene	10.72	164	224490	51.968	ug/l	99
65) Chlorobenzene	11.52	112	538141	51.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	181229	53.028	ug/l	99
67) Ethyl Benzene	11.59	91	982510	52.745	ug/l	99
68) m/p-Xylenes	11.70	106	746174	105.499	ug/l	100
69) o-Xylene	12.03	106	353648	53.149	ug/l	99
70) Styrene	12.04	104	606608	53.616	ug/l	99
71) Bromoform	12.20	173	101929	53.563	ug/l #	99
73) Isopropylbenzene	12.33	105	937260	53.747	ug/l	99
74) N-amyl acetate	12.14	43	233682	51.009	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	182433	53.105	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	244663	88.070	ug/l #	100
77) Bromobenzene	12.61	156	209603	53.443	ug/l	98
78) n-propylbenzene	12.67	91	1147827	54.019	ug/l	100
79) 2-Chlorotoluene	12.75	91	619903	52.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	768853	53.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70764	54.327	ug/l	96
82) 4-Chlorotoluene	12.85	91	640732	52.570	ug/l	99
83) tert-Butylbenzene	13.07	119	652308	54.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	767776	53.452	ug/l	99
85) sec-Butylbenzene	13.25	105	956359	54.065	ug/l	99
86) p-Isopropyltoluene	13.37	119	830534	54.261	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	401540	53.308	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	401670	52.861	ug/l	99
89) n-Butylbenzene	13.69	91	834857	54.212	ug/l	99
90) Hexachloroethane	13.95	117	156015	54.102	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	367117	52.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29777	51.808	ug/l	99

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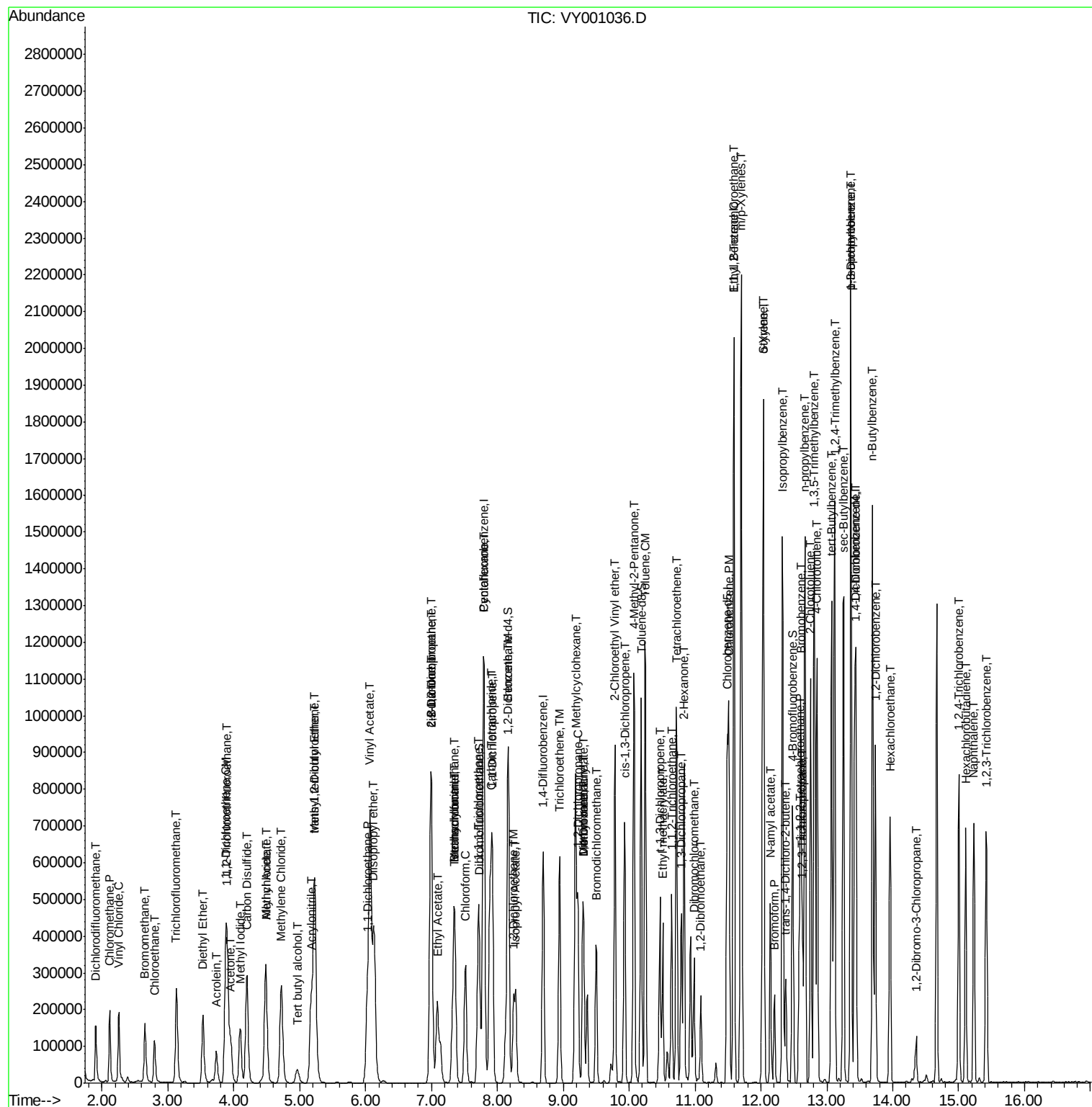
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	249098	53.113	ug/l	99
94) Hexachlorobutadiene	15.11	225	118358	53.033	ug/l	99
95) Naphthalene	15.23	128	580192	52.604	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	220640	52.753	ug/l	99

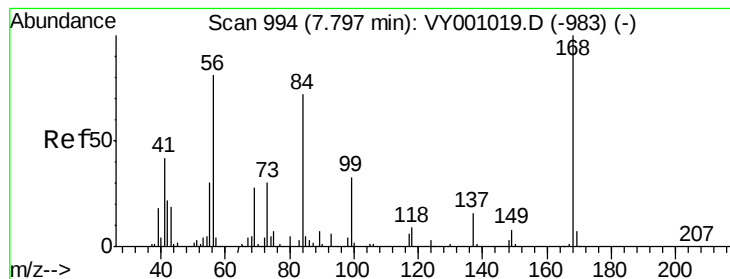
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

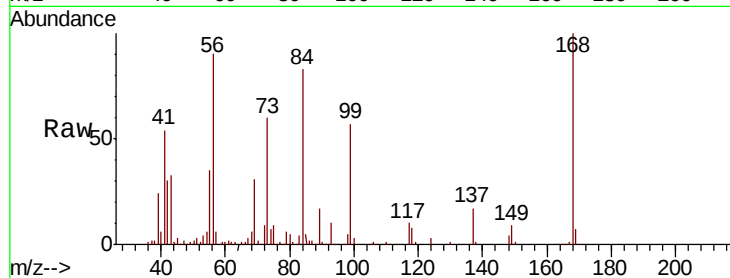
VSTDCCC050

Tgt Ion:168 Resp: 321098

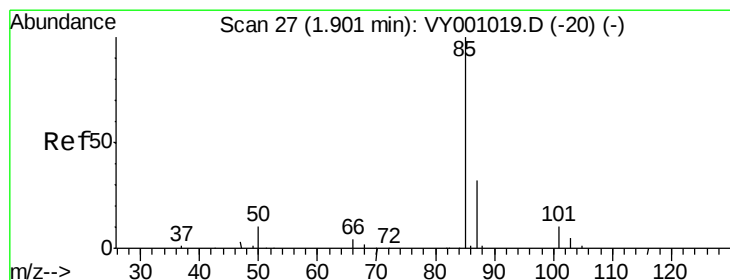
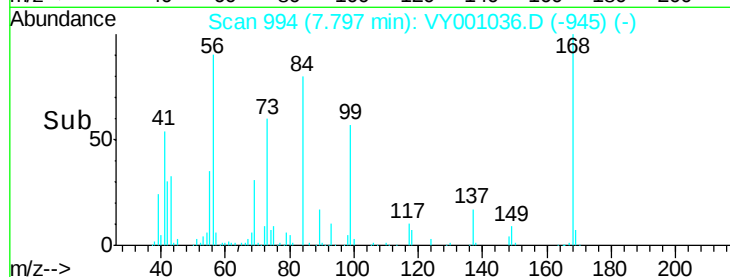
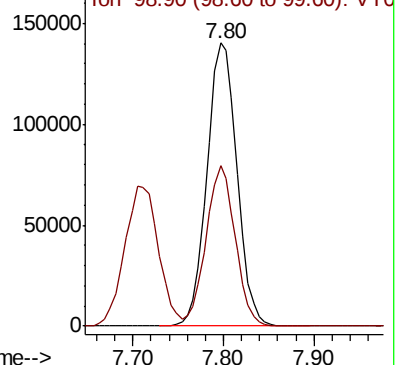
Ion Ratio Lower Upper

168 100

99 56.8 44.0 66.0



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



#2

Dichlorodifluoromethane

Concen: 51.247 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001036.D

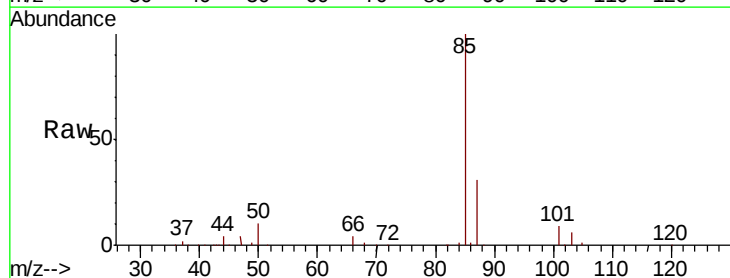
Acq: 24 Dec 2019 10:23

Tgt Ion: 85 Resp: 143388

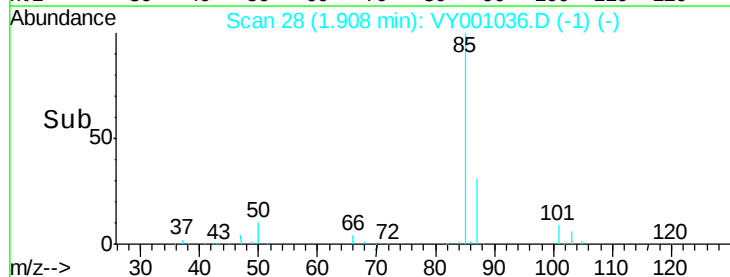
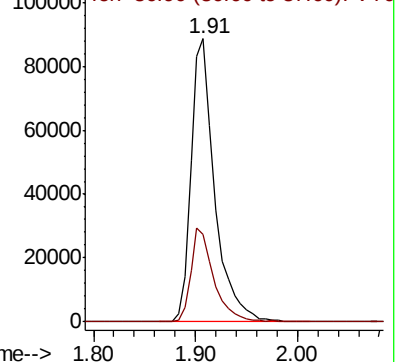
Ion Ratio Lower Upper

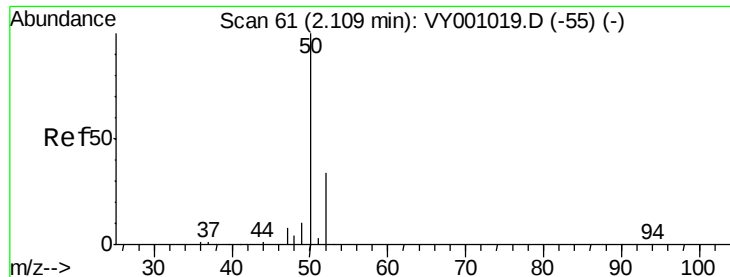
85 100

87 31.1 15.9 47.7



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





#3

Chloromethane

Concen: 50.673 ug/l

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

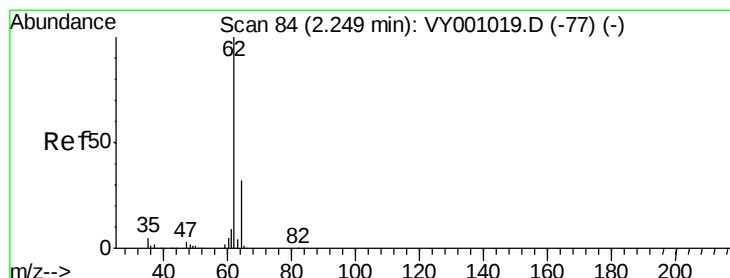
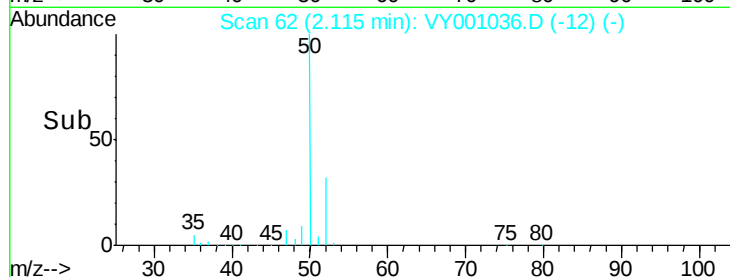
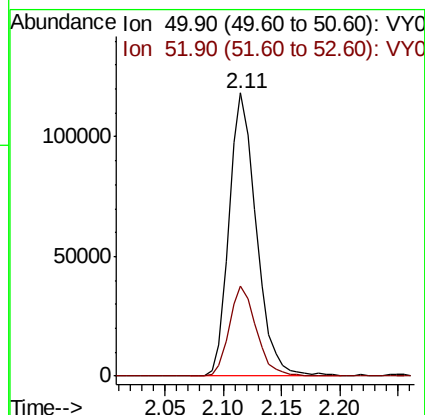
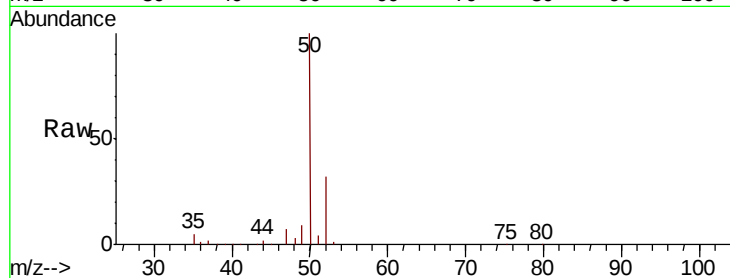
VSTDCCC050

Tgt Ion: 50 Resp: 192966

Ion Ratio Lower Upper

50 100

52 31.8 27.1 40.7



#4

Vinyl Chloride

Concen: 52.346 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001036.D

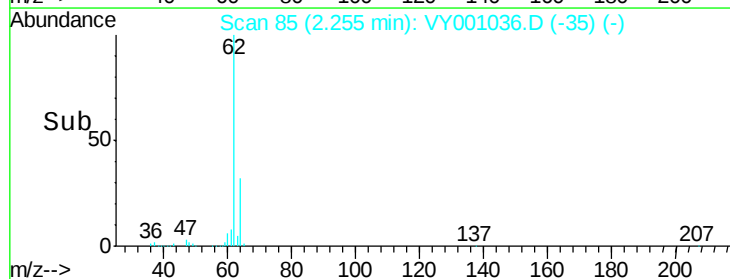
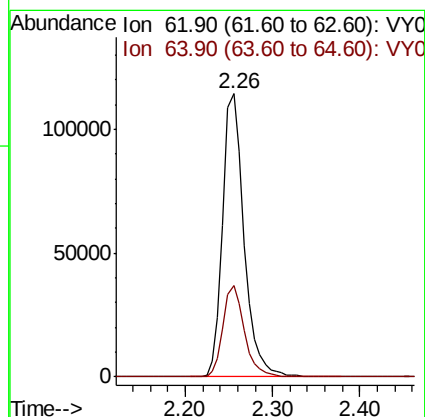
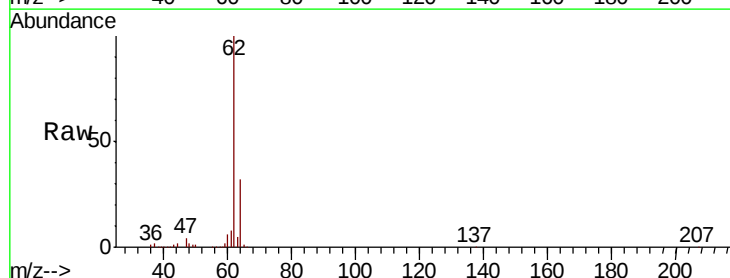
Acq: 24 Dec 2019 10:23

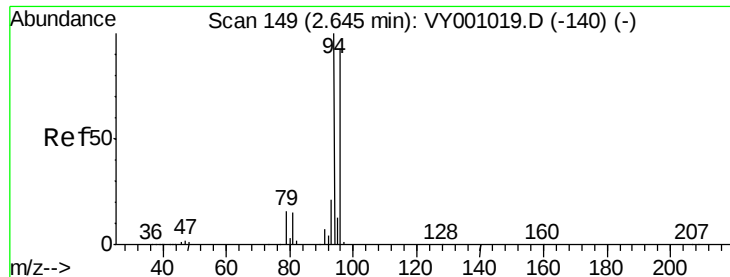
Tgt Ion: 62 Resp: 193584

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 52.596 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

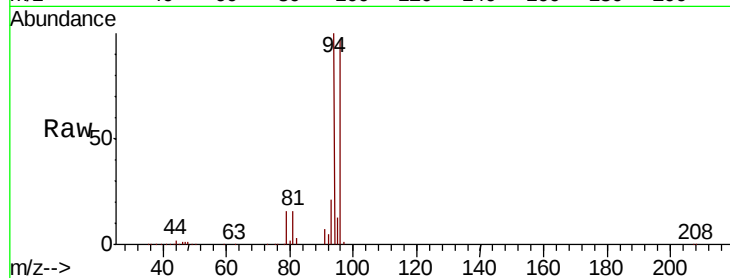
VSTDCCC050

Tgt Ion: 94 Resp: 121419

Ion Ratio Lower Upper

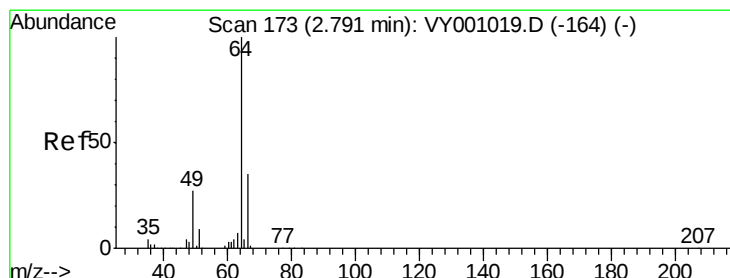
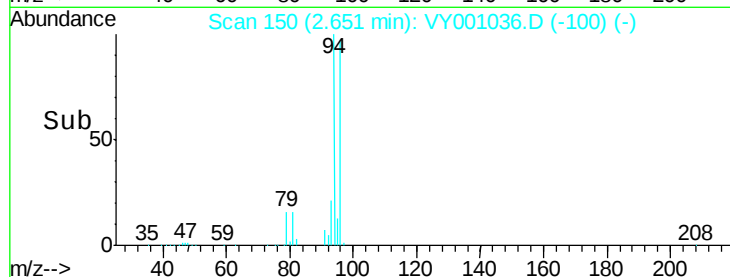
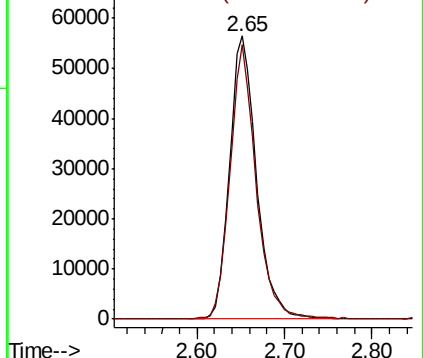
94 100

96 96.9 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: 52.355 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001036.D

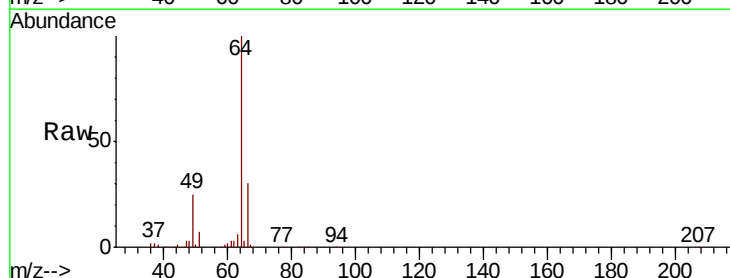
Acq: 24 Dec 2019 10:23

Tgt Ion: 64 Resp: 120592

Ion Ratio Lower Upper

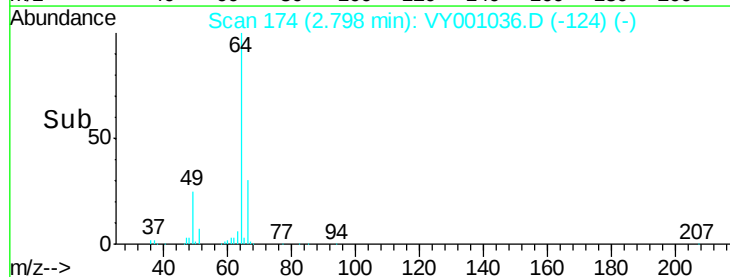
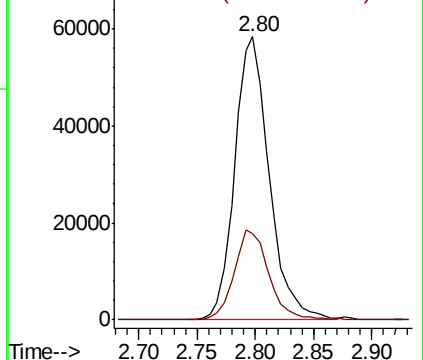
64 100

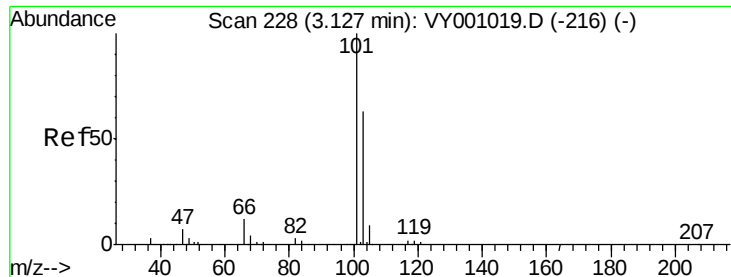
66 30.3 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



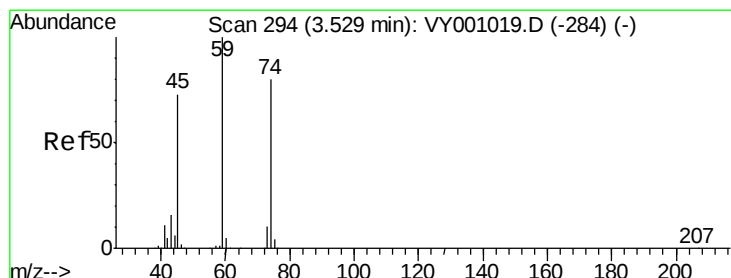
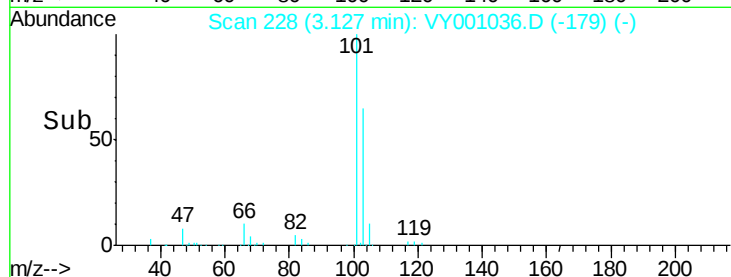
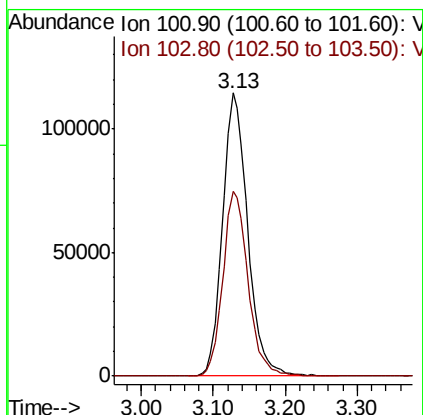
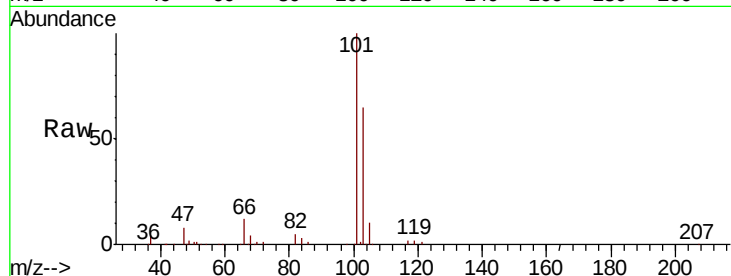


#7

Trichlorofluoromethane
 Concen: 51.173 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

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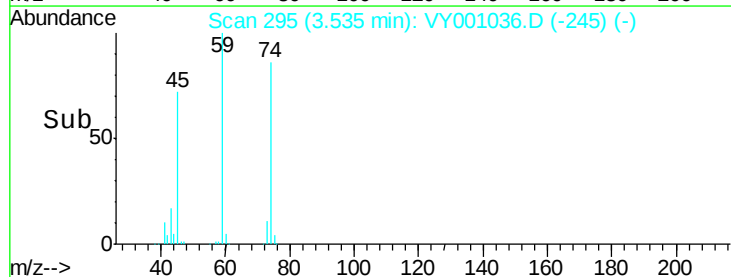
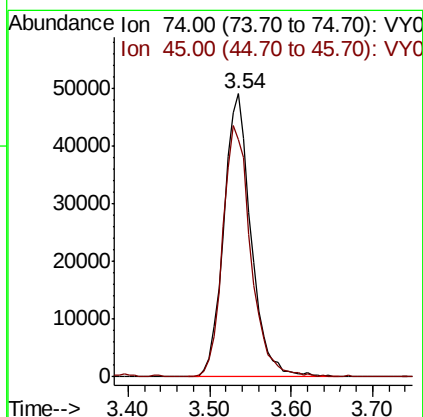
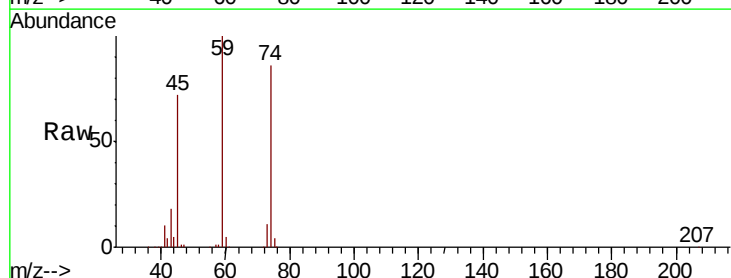
Tgt Ion:101 Resp: 277572
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.2 75.2

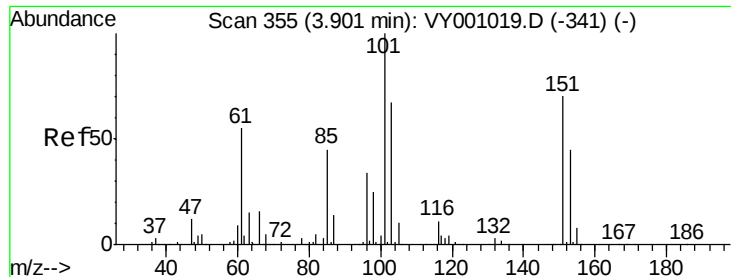


#8

Diethyl Ether
 Concen: 51.089 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 74 Resp: 113119
 Ion Ratio Lower Upper
 74 100
 45 91.4 46.4 139.2

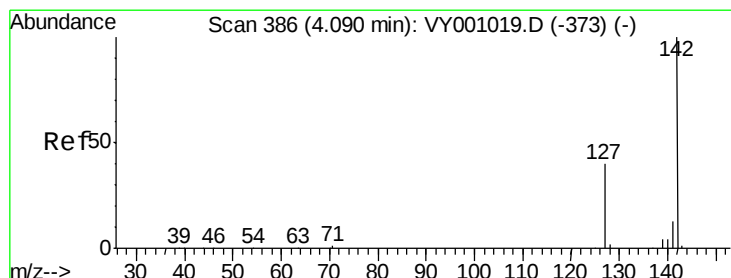
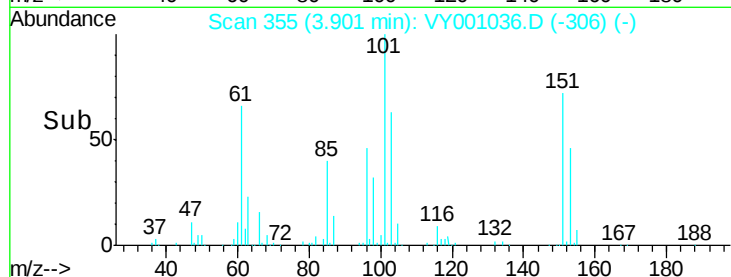
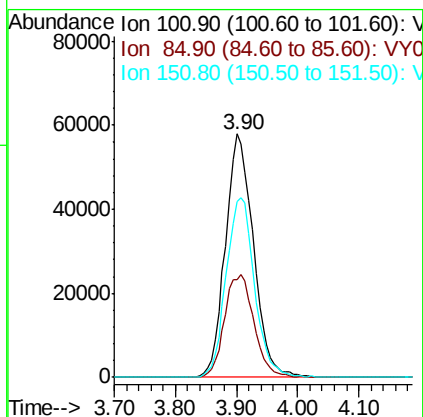
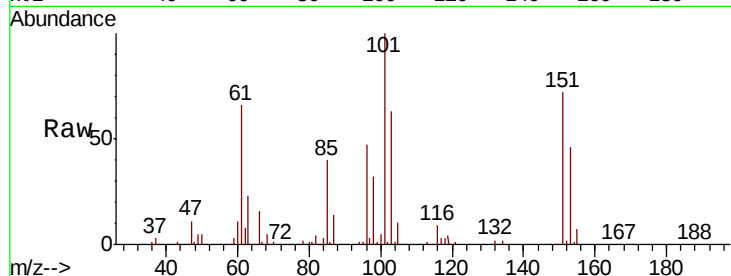




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.327 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

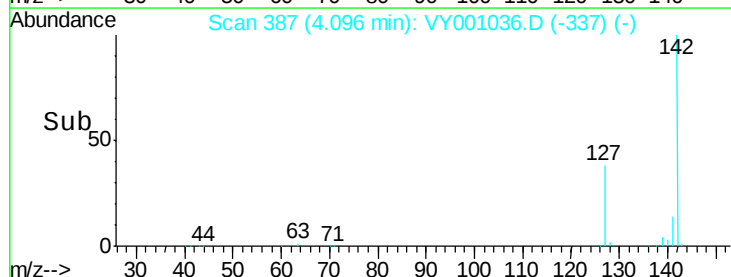
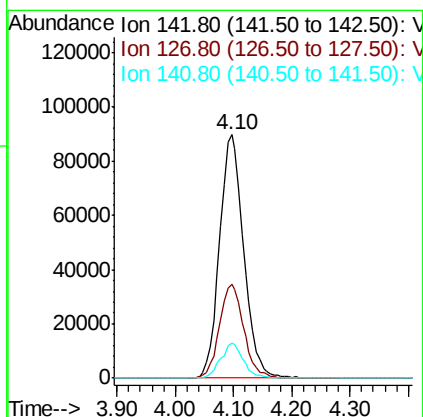
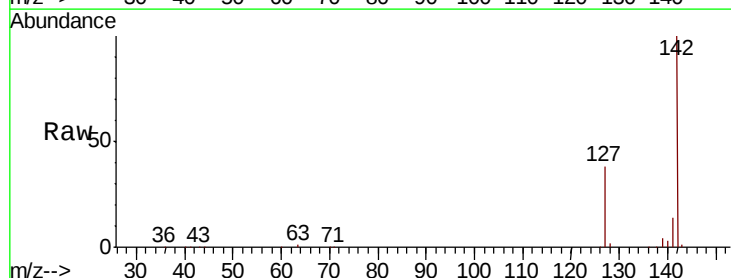
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

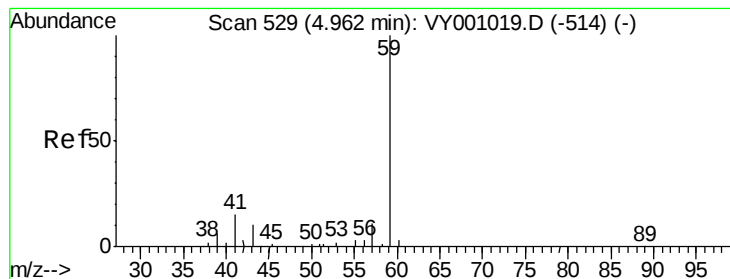
Tgt Ion:101 Resp: 182882
 Ion Ratio Lower Upper
 101 100
 85 44.3 34.2 51.2
 151 74.8 57.0 85.6



#10
 Methyl Iodide
 Concen: 52.481 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:142 Resp: 258355
 Ion Ratio Lower Upper
 142 100
 127 38.5 31.2 46.8
 141 13.6 11.0 16.4



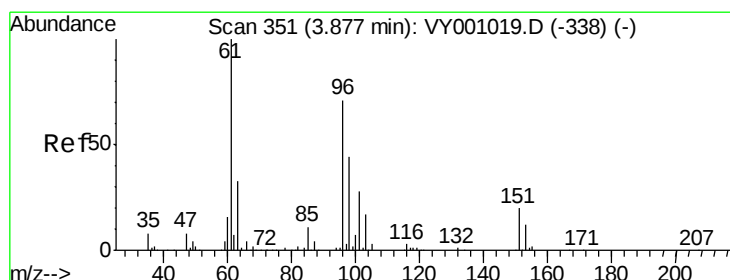
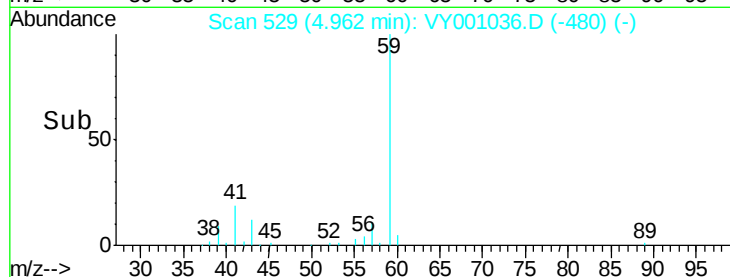
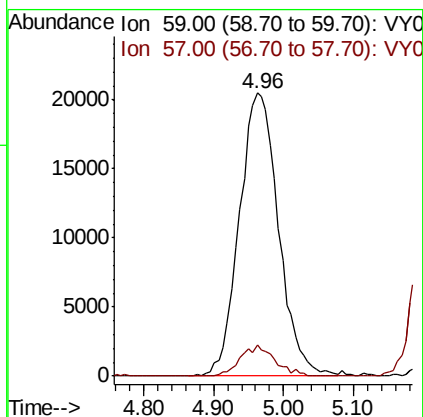
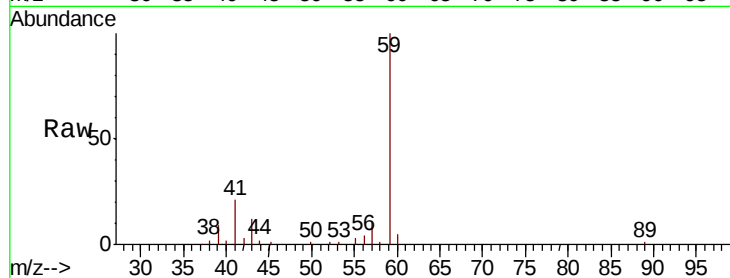


#11

Tert butyl alcohol
 Concen: 228.892 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

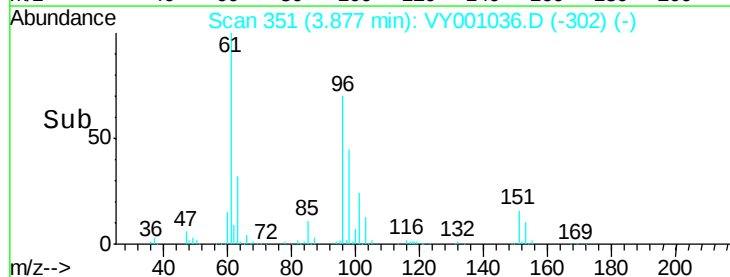
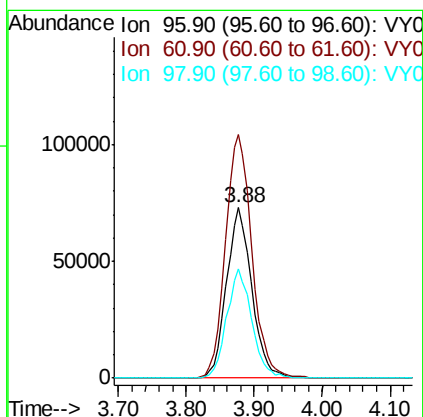
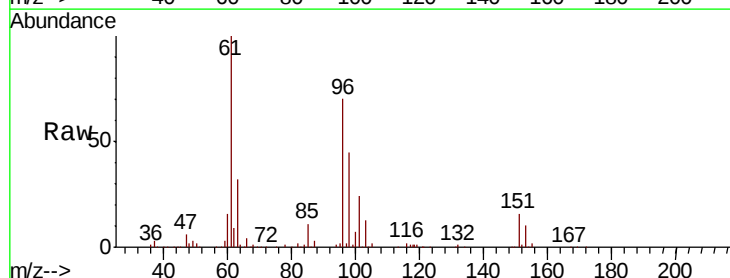
Tgt Ion: 59 Resp: 79703
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

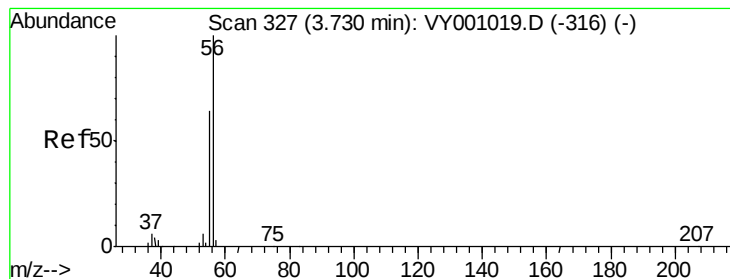


#12

1,1-Dichloroethene
 Concen: 52.348 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 96 Resp: 188834
 Ion Ratio Lower Upper
 96 100
 61 143.0 113.0 169.4
 98 64.1 49.8 74.8





#13

Acrolein

Concen: 246.383 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

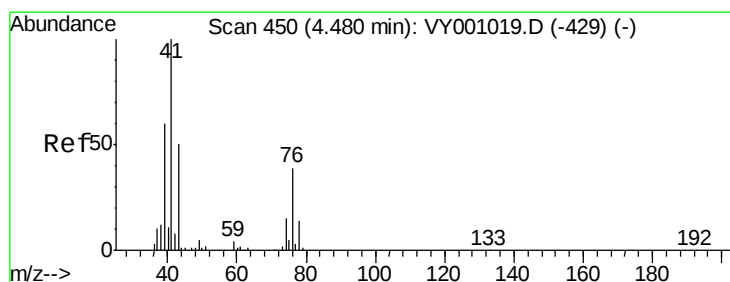
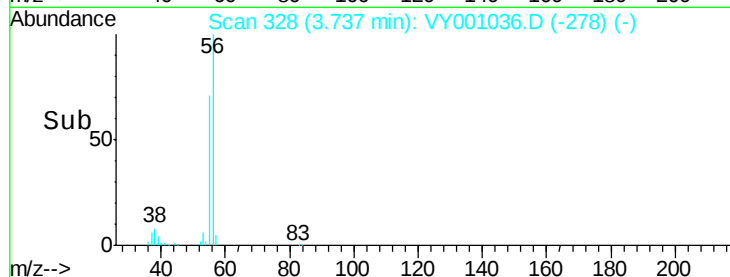
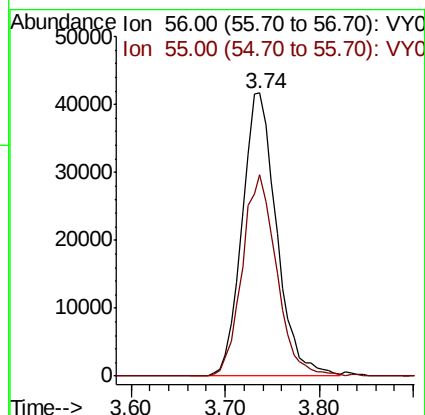
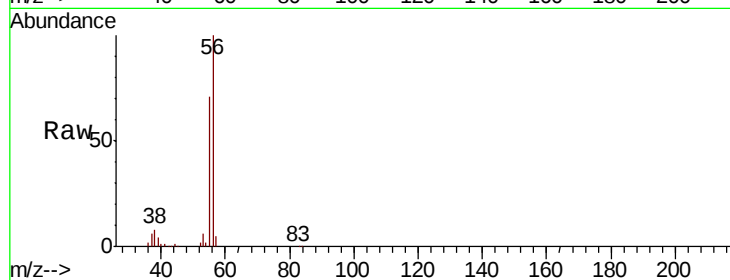
VSTDCCC050

Tgt Ion: 56 Resp: 106301

Ion Ratio Lower Upper

56 100

55 70.7 55.6 83.4



#14

Allyl chloride

Concen: 52.262 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

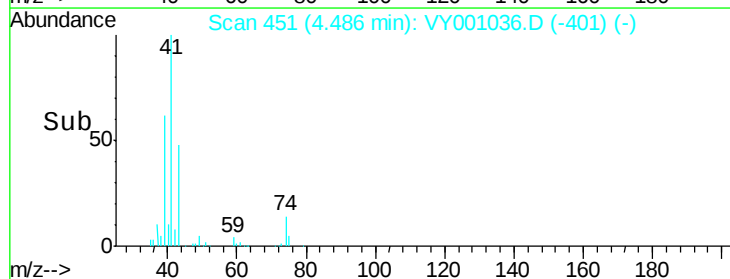
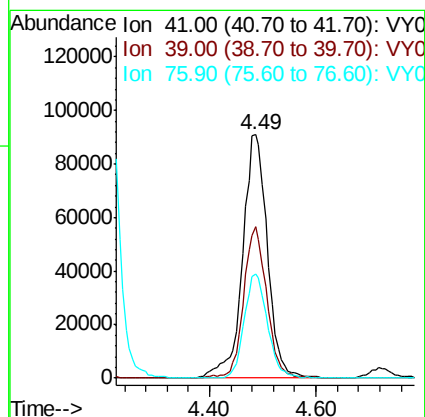
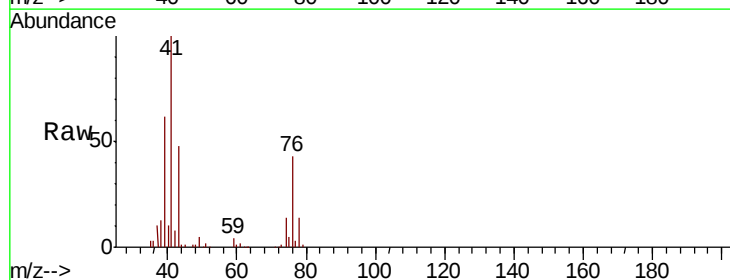
Tgt Ion: 41 Resp: 292867

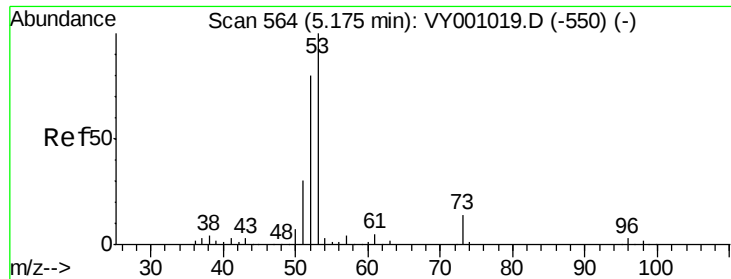
Ion Ratio Lower Upper

41 100

39 58.0 46.0 69.0

76 40.1 32.6 48.8





#15

Acrylonitrile

Concen: 255.439 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

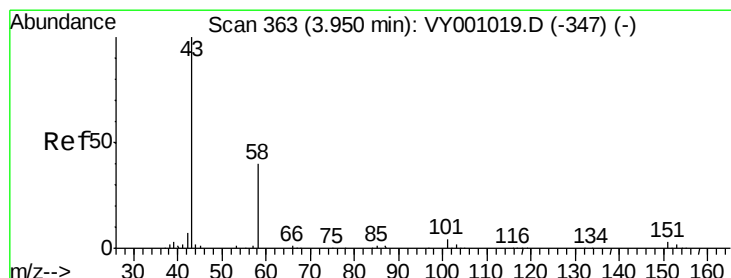
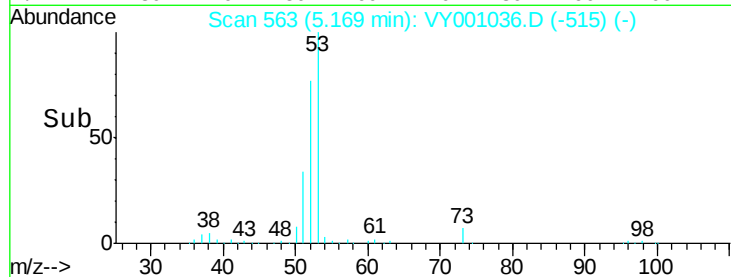
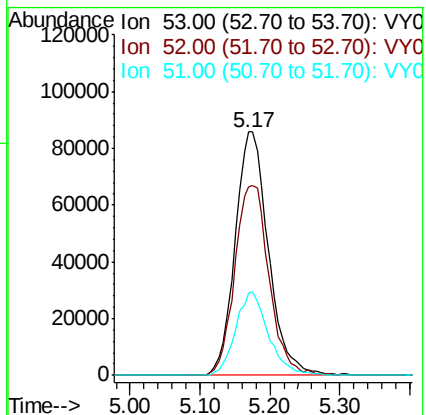
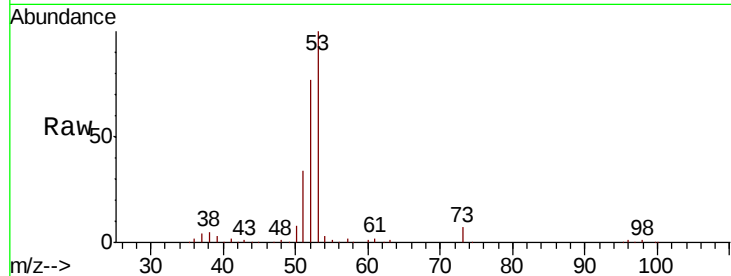
Tgt Ion: 53 Resp: 282663

Ion Ratio Lower Upper

53 100

52 80.7 63.6 95.4

51 34.0 26.7 40.1



#16

Acetone

Concen: 210.860 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001036.D

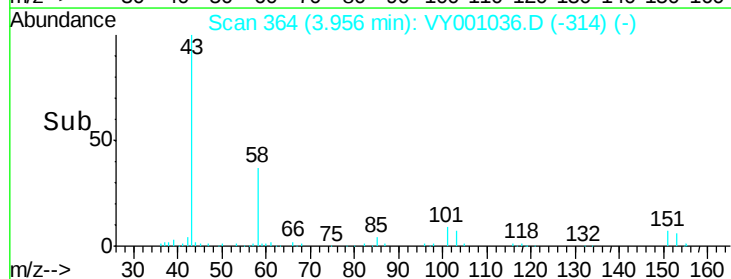
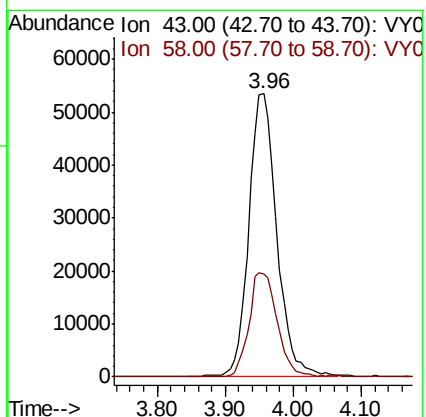
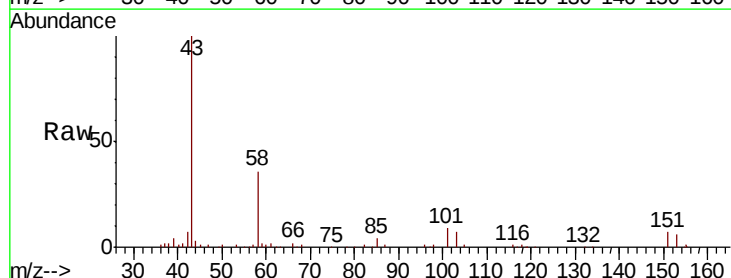
Acq: 24 Dec 2019 10:23

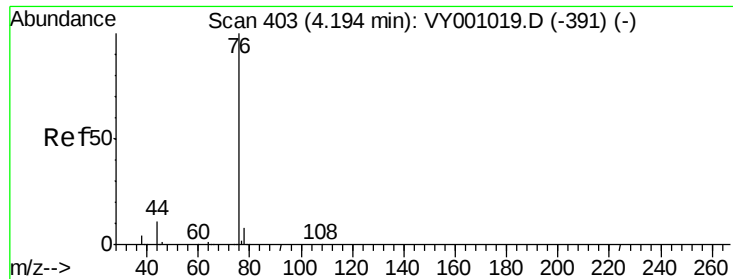
Tgt Ion: 43 Resp: 153838

Ion Ratio Lower Upper

43 100

58 36.4 32.1 48.1

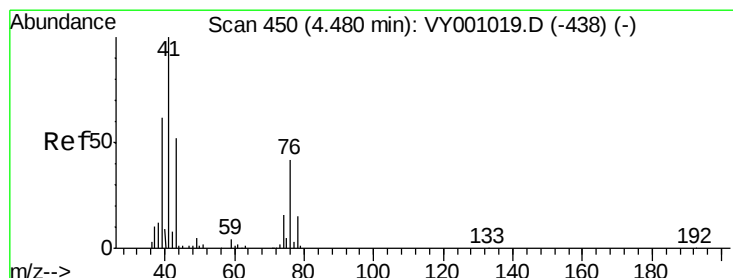
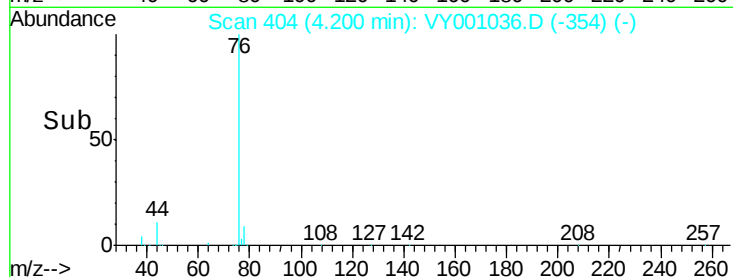
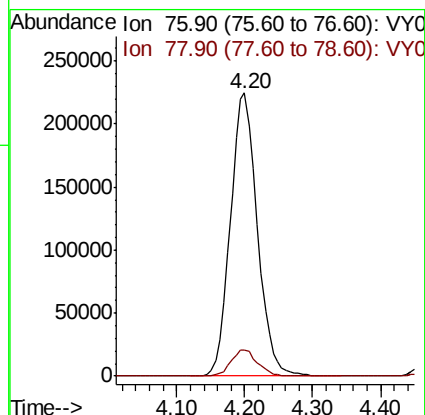
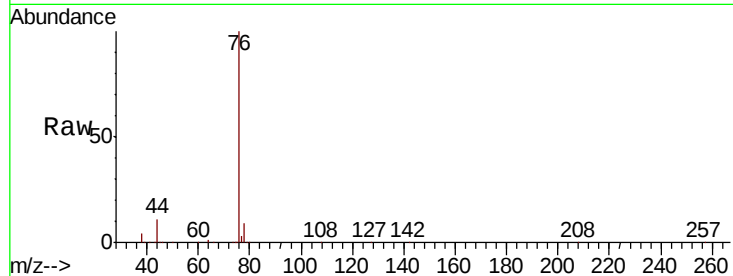




#17
Carbon Disulfide
Concen: 52.442 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

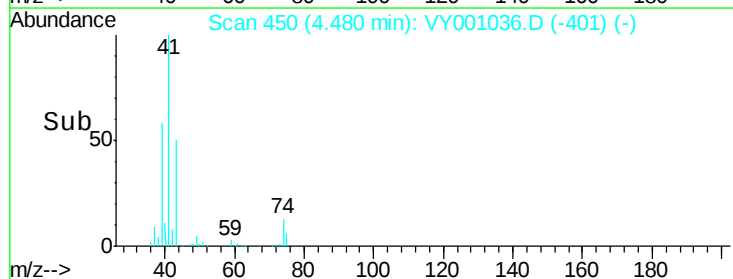
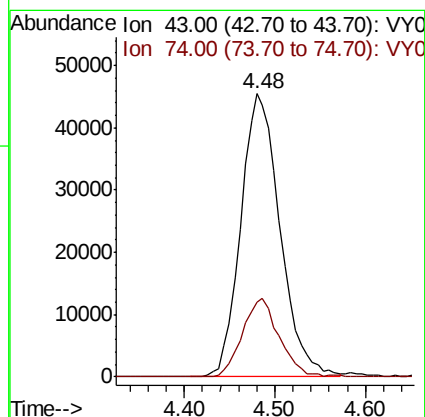
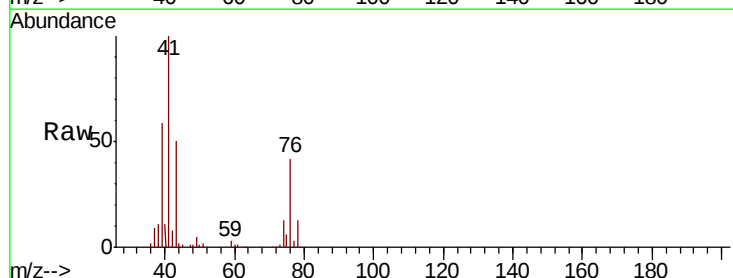
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

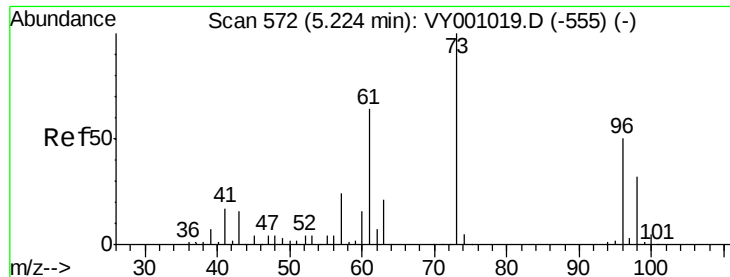
Tgt Ion: 76 Resp: 618163
Ion Ratio Lower Upper
76 100
78 9.4 6.7 10.1



#18
Methyl Acetate
Concen: 48.631 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 43 Resp: 136121
Ion Ratio Lower Upper
43 100
74 26.0 20.7 31.1

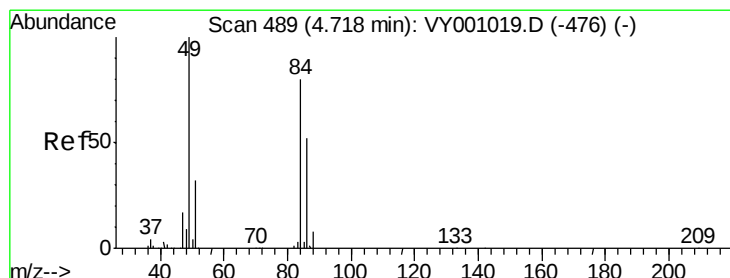
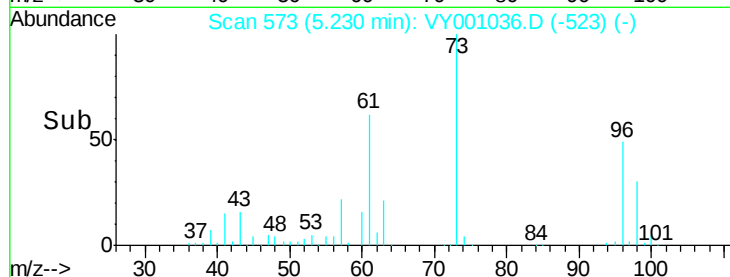
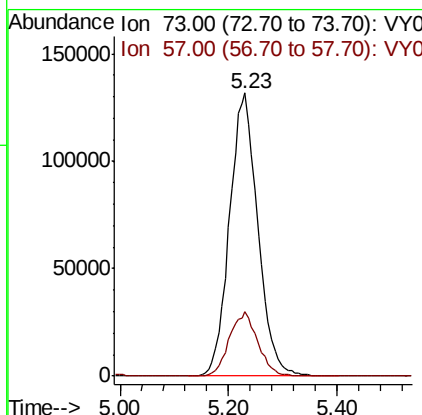
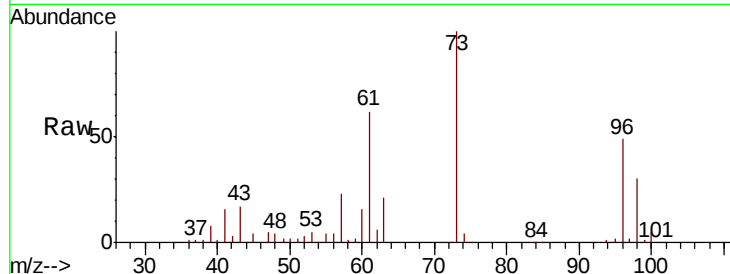




#19
Methyl tert-butyl Ether
Concen: 51.261 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

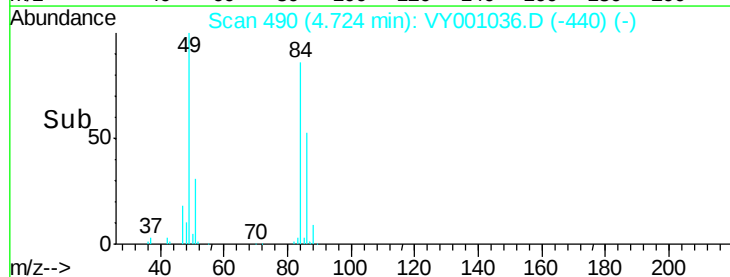
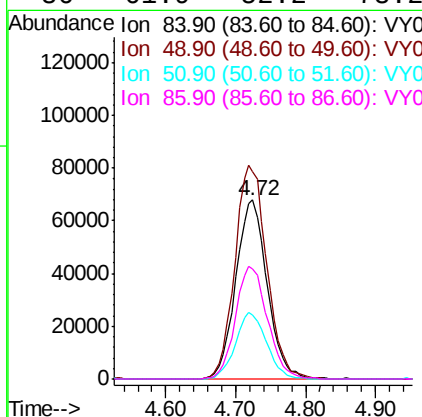
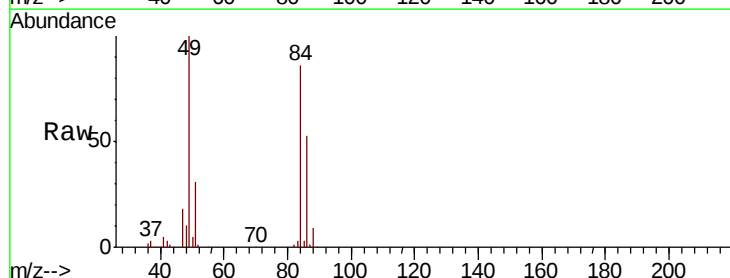
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

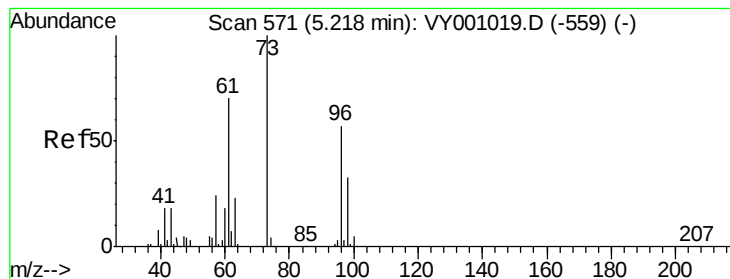
Tgt Ion: 73 Resp: 477260
Ion Ratio Lower Upper
73 100
57 22.7 19.0 28.6



#20
Methylene Chloride
Concen: 49.259 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 84 Resp: 211531
Ion Ratio Lower Upper
84 100
49 115.8 99.8 149.6
51 36.0 31.4 47.2
86 61.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.676 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

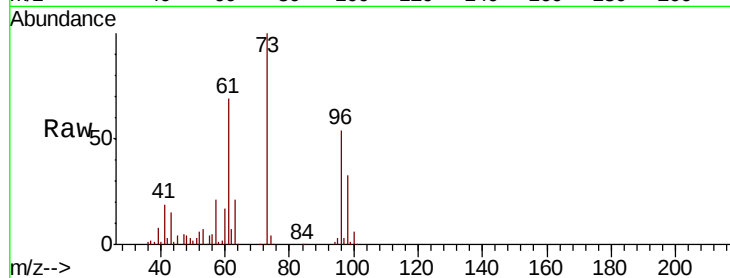
Tgt Ion: 96 Resp: 210589

Ion Ratio Lower Upper

96 100

61 129.3 98.1 147.1

98 62.2 47.2 70.8

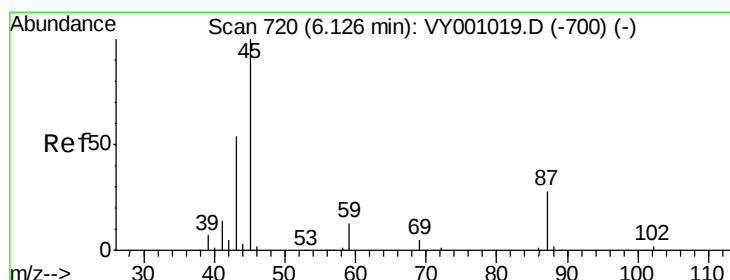
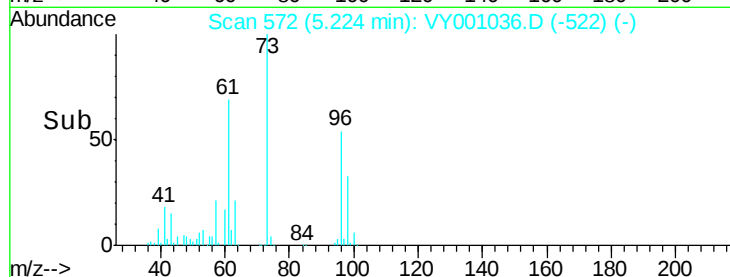
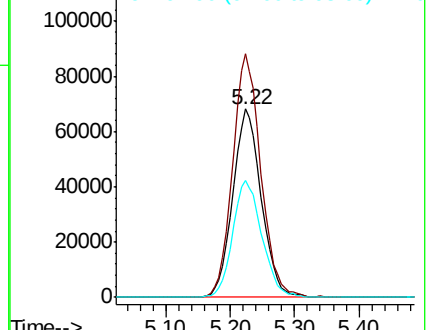


Abundance

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: 51.115 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 45 Resp: 578974

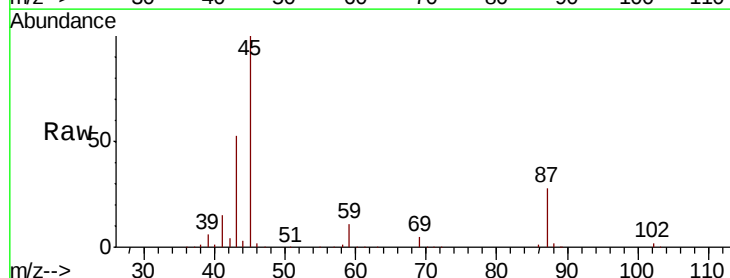
Ion Ratio Lower Upper

45 100

43 53.1 43.6 65.4

87 28.5 23.1 34.7

59 11.1 10.2 15.4



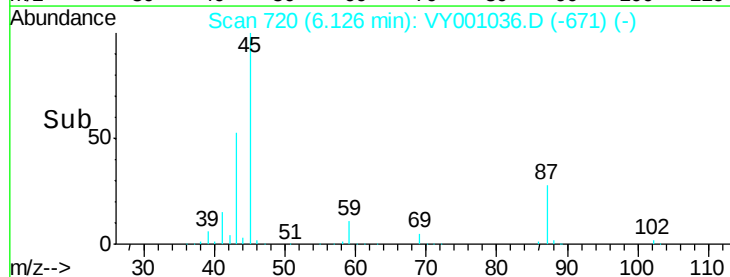
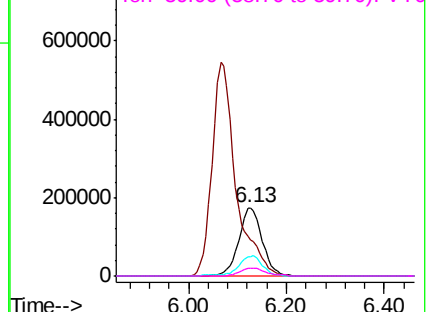
Abundance

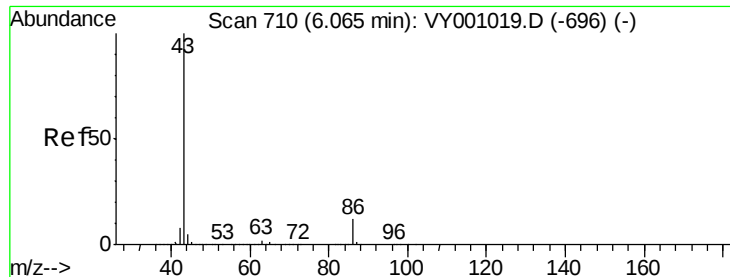
Ion 45.00 (44.70 to 45.70): VY0

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: 256.485 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

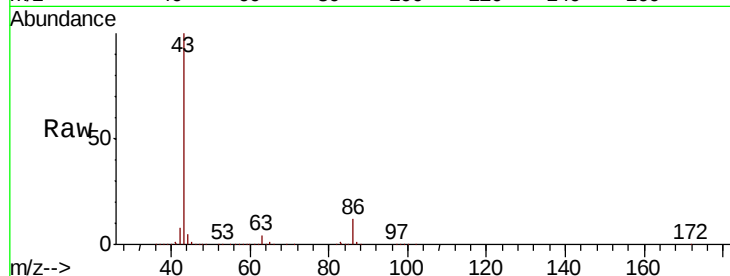
VSTDCCC050

Tgt Ion: 43 Resp: 1834755

Ion Ratio Lower Upper

43 100

86 11.5 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

600000

500000

400000

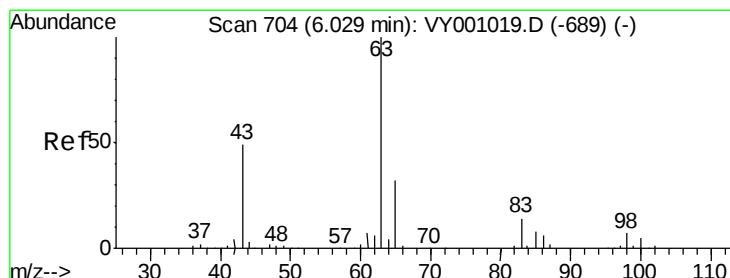
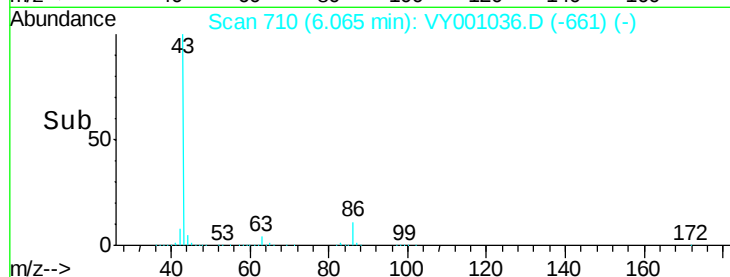
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.548 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

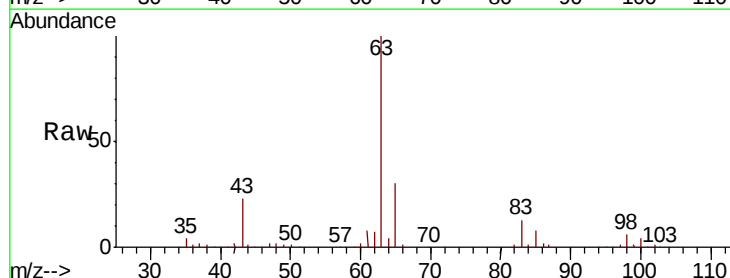
Tgt Ion: 63 Resp: 345045

Ion Ratio Lower Upper

63 100

98 5.7 3.8 11.2

100 4.4 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

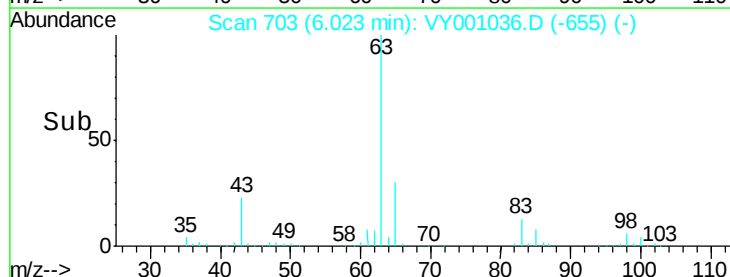
150000

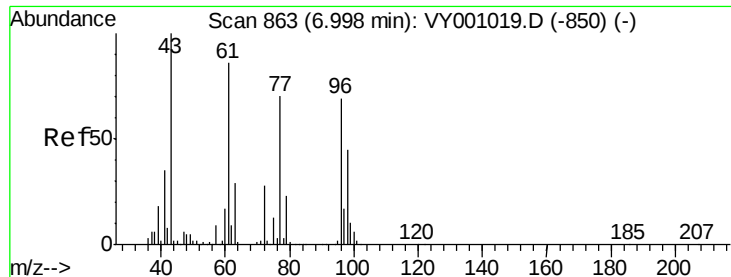
100000

50000

0

Time-->

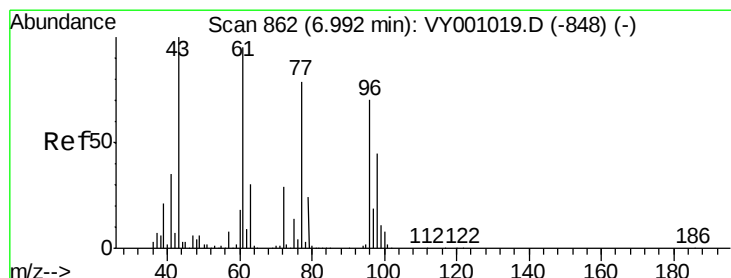
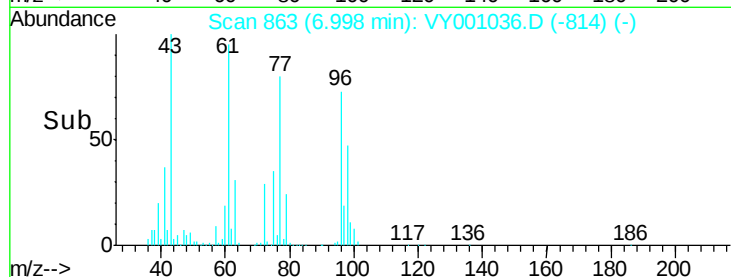
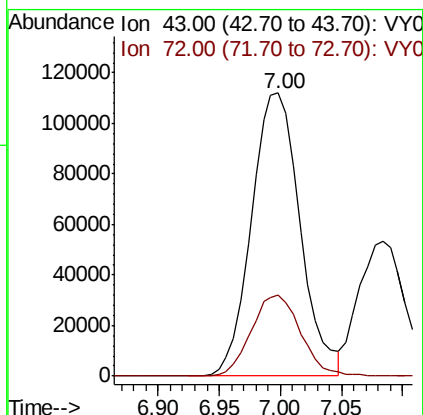
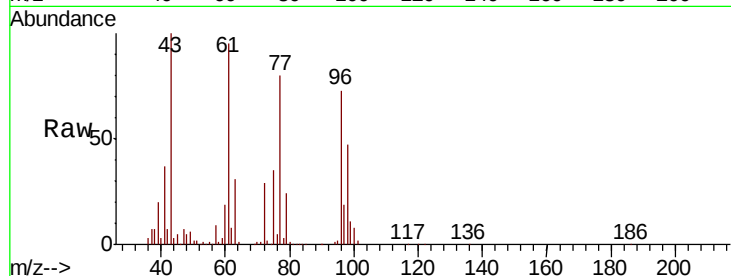




#25
2-Butanone
Concen: 242.264 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

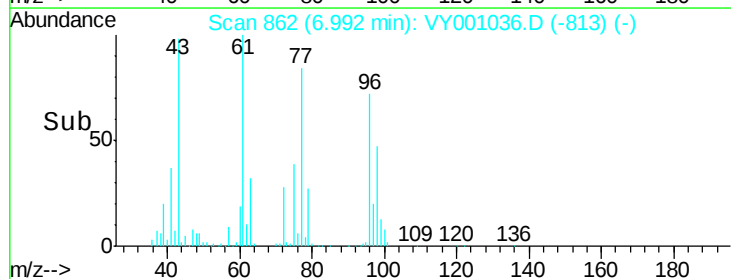
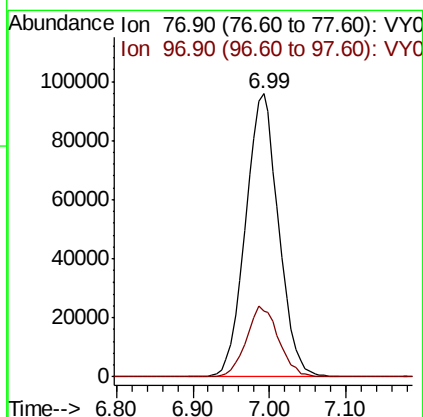
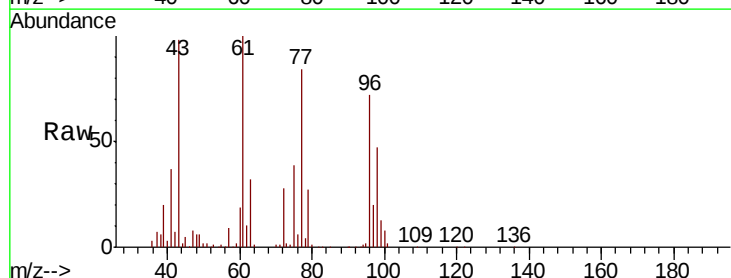
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

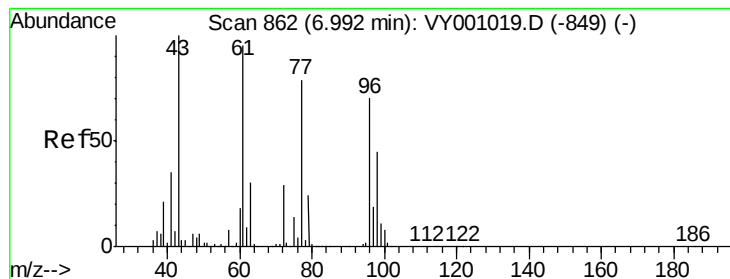
Tgt Ion: 43 Resp: 310503
Ion Ratio Lower Upper
43 100
72 28.7 22.4 33.6



#26
2,2-Dichloropropane
Concen: 52.248 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 77 Resp: 287332
Ion Ratio Lower Upper
77 100
97 24.5 12.0 36.1



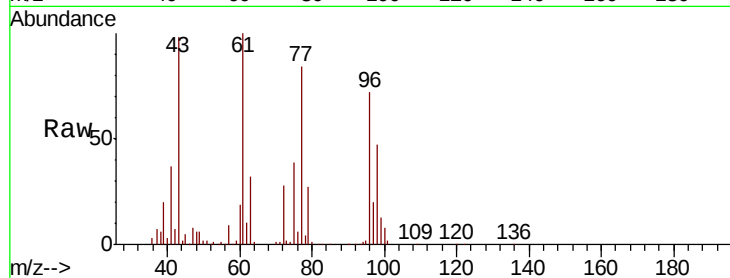


#27

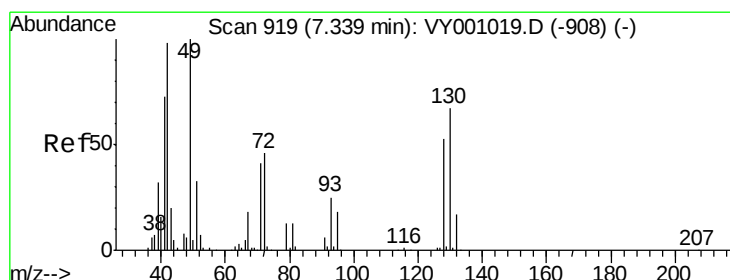
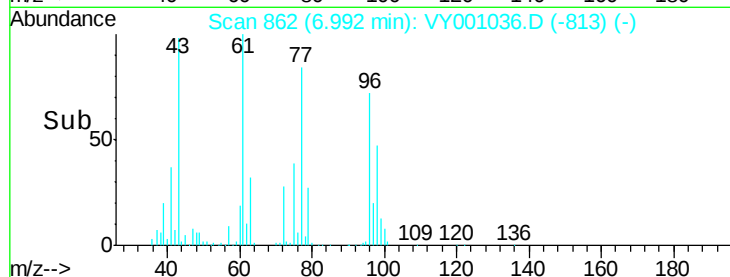
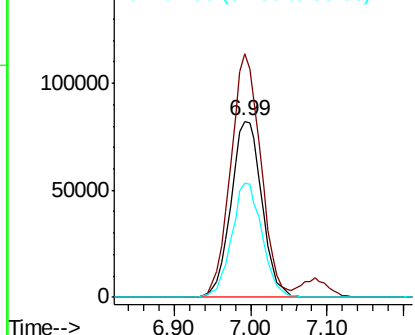
cis-1,2-Dichloroethene
 Concen: 52.273 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 229591
 Ion Ratio Lower Upper
 96 100
 61 135.1 0.0 268.2
 98 63.7 0.0 129.2



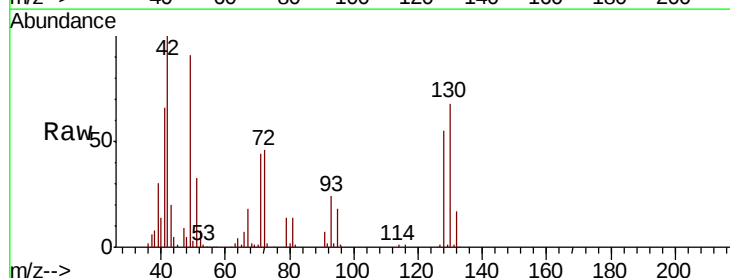
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



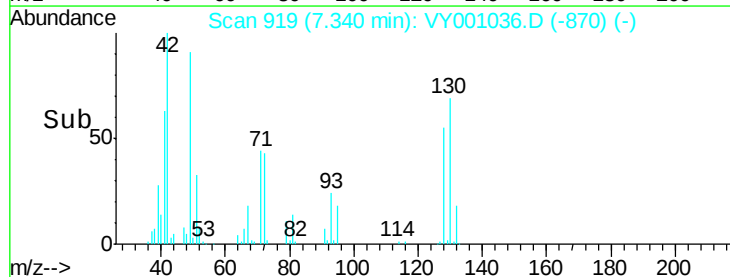
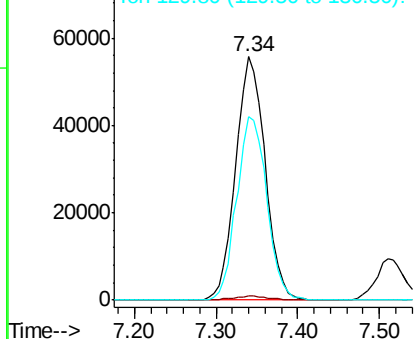
#28

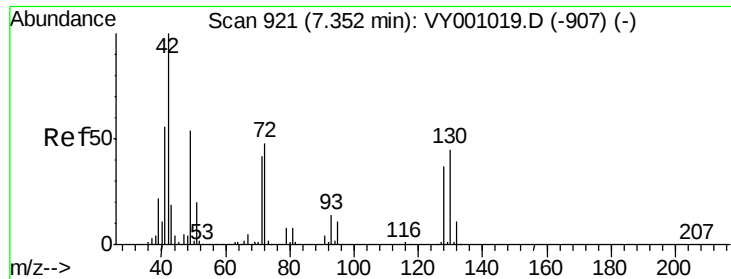
Bromochloromethane
 Concen: 53.372 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 49 Resp: 139393
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 76.9 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

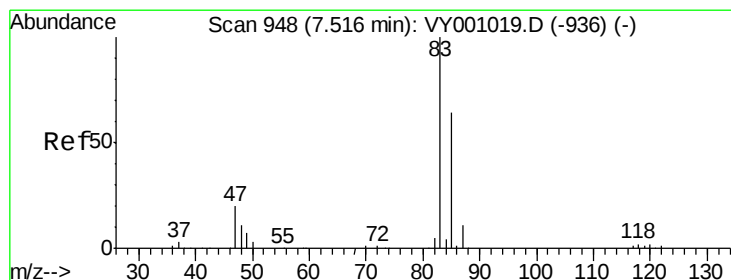
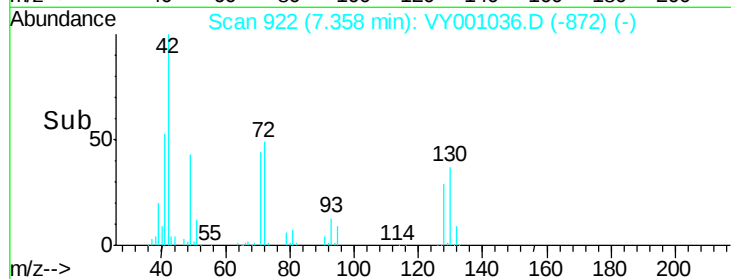
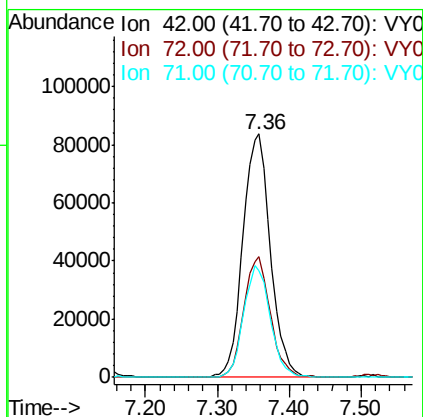
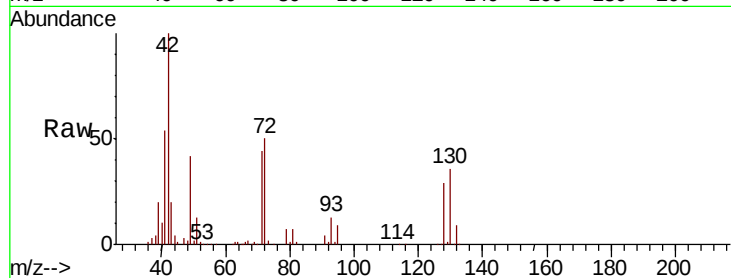




#29
Tetrahydrofuran
Concen: 243.997 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

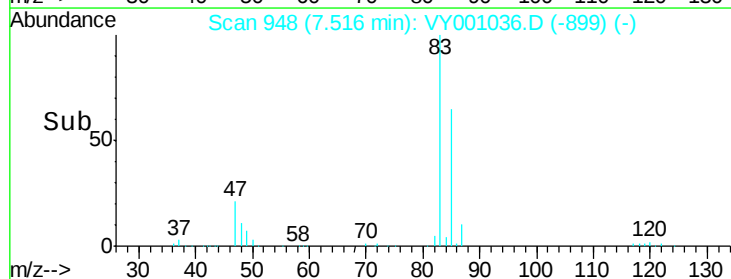
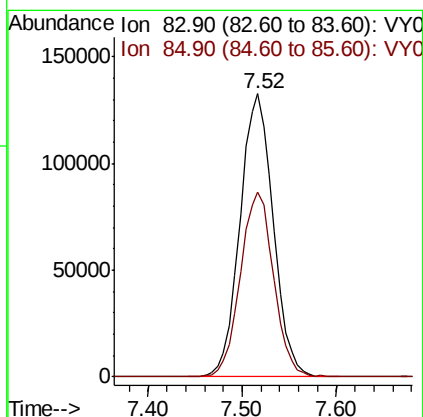
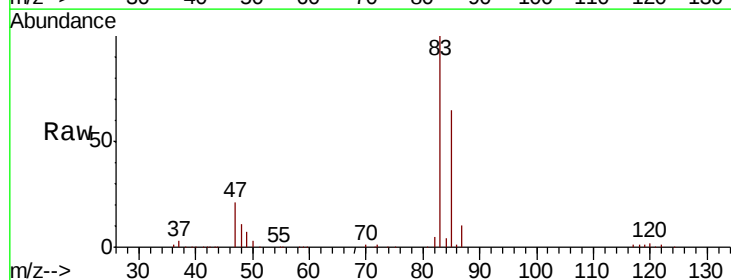
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

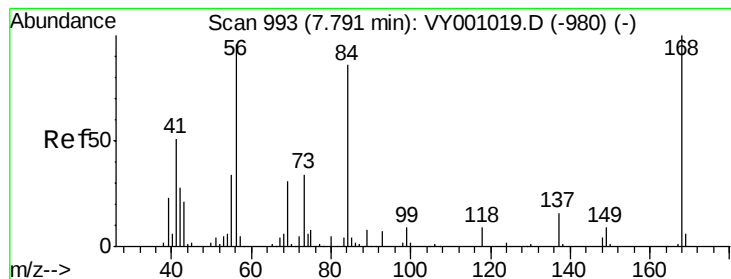
Tgt Ion: 42 Resp: 222449
Ion Ratio Lower Upper
42 100
72 47.9 37.7 56.5
71 44.3 34.6 51.8



#30
Chloroform
Concen: 51.689 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 83 Resp: 327160
Ion Ratio Lower Upper
83 100
85 65.3 51.6 77.4





#31

Cyclohexane

Concen: 49.454 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

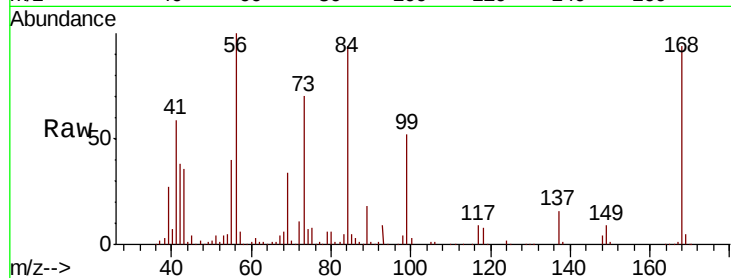
Tgt Ion: 56 Resp: 348088

Ion Ratio Lower Upper

56 100

69 33.6 26.1 39.1

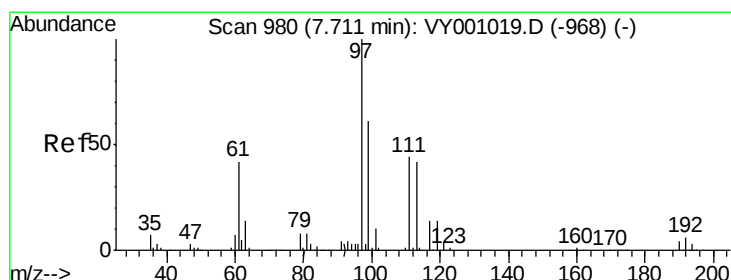
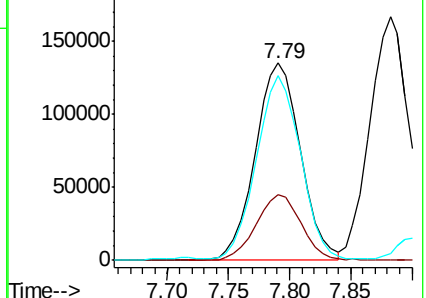
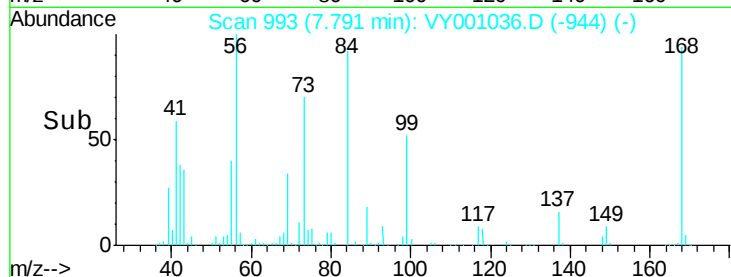
84 92.4 71.8 107.8



Abundance Ion 56.00 (55.70 to 56.70): VY001036.D (-944) (-)

Ion 69.00 (68.70 to 69.70): VY001036.D (-944) (-)

Ion 84.00 (83.70 to 84.70): VY001036.D (-944) (-)



#32

1,1,1-Trichloroethane

Concen: 51.384 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

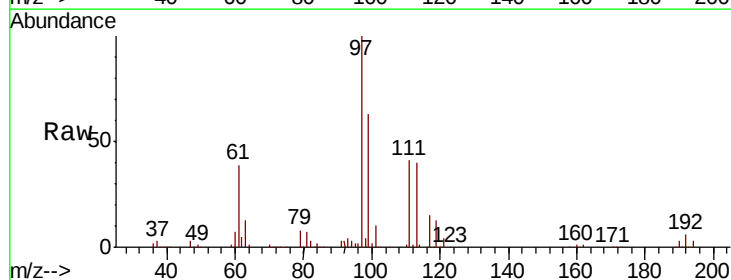
Tgt Ion: 97 Resp: 277437

Ion Ratio Lower Upper

97 100

99 64.8 50.6 76.0

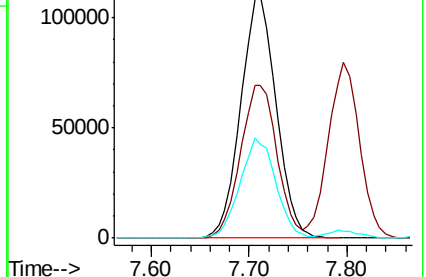
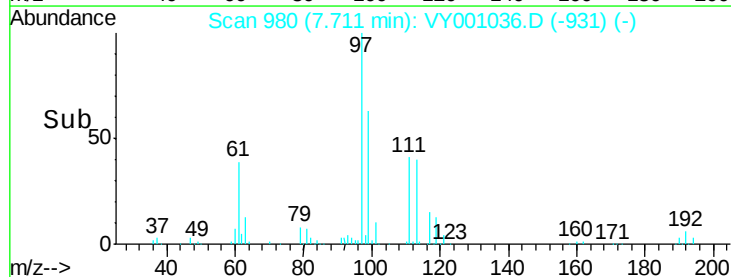
61 41.4 33.0 49.6

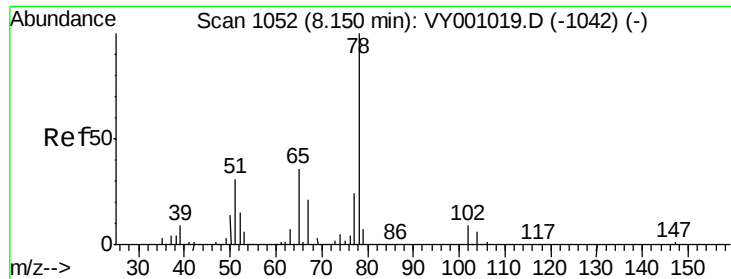


Abundance Ion 96.90 (96.60 to 97.60): VY001036.D (-931) (-)

Ion 98.90 (98.60 to 99.60): VY001036.D (-931) (-)

Ion 60.90 (60.60 to 61.60): VY001036.D (-931) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.671 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

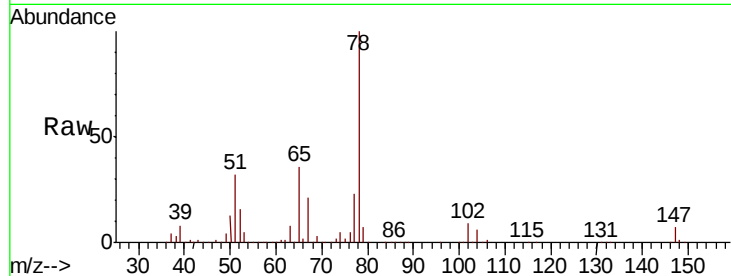
VSTDCCC050

Tgt Ion: 65 Resp: 157303

Ion Ratio Lower Upper

65 100

67 58.3 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001036.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001036.D (-1003) (-)

8.15

60000

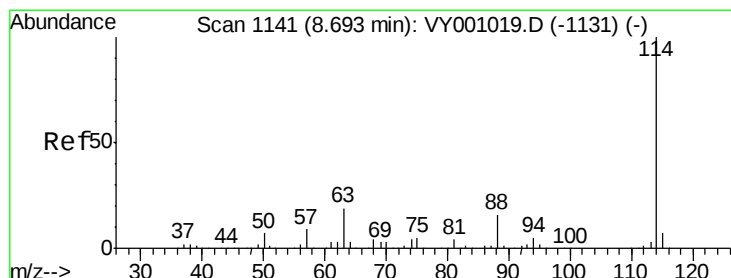
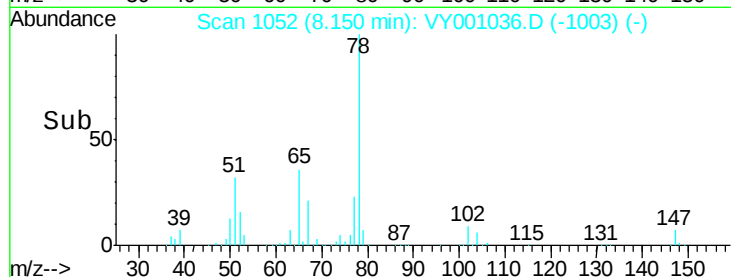
40000

20000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

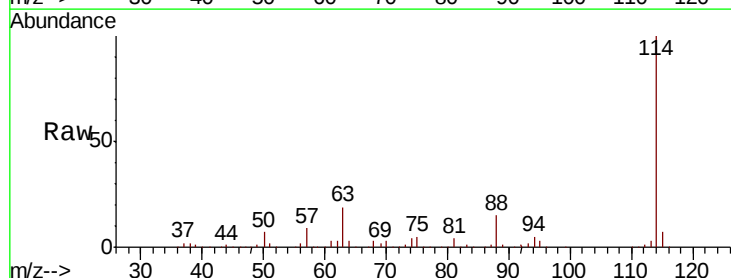
Tgt Ion: 114 Resp: 556969

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.0

88 15.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VY001036.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY001036.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY001036.D (-1092) (-)

8.69

300000

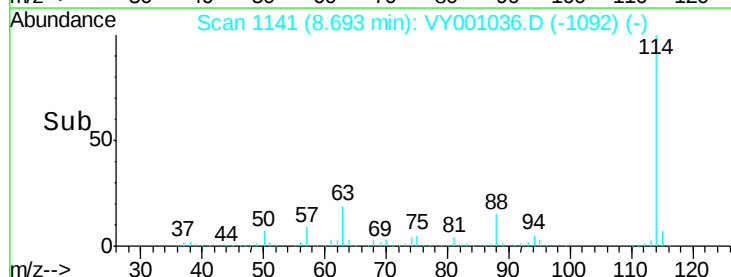
200000

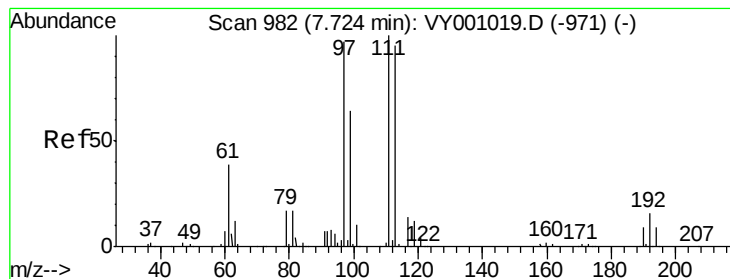
100000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 50.016 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

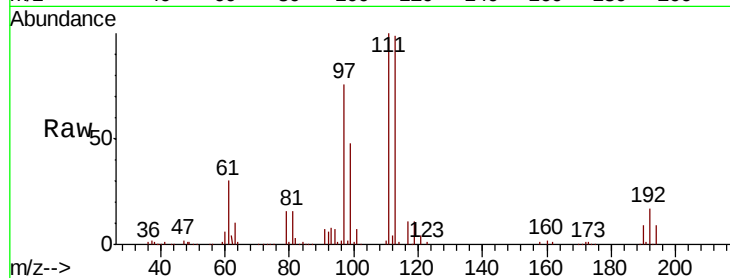
Tgt Ion:113 Resp: 164039

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

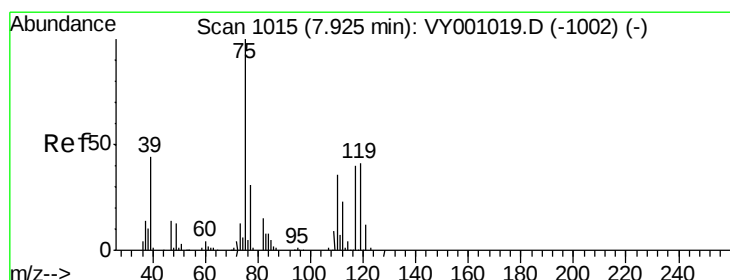
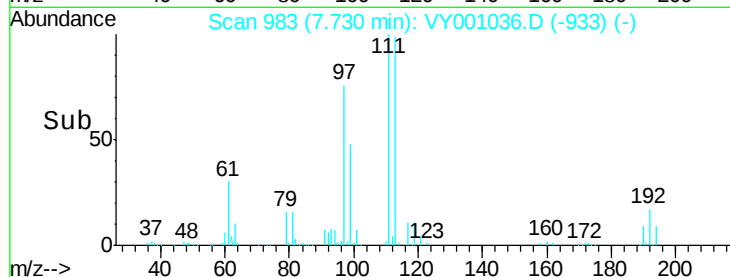
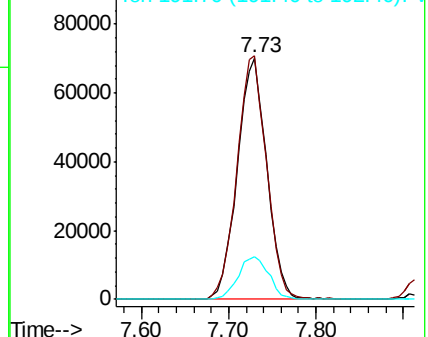
192 18.3 14.6 21.8



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: 52.664 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

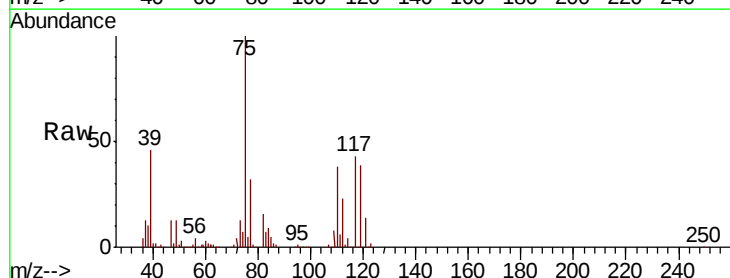
Tgt Ion: 75 Resp: 279828

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.4

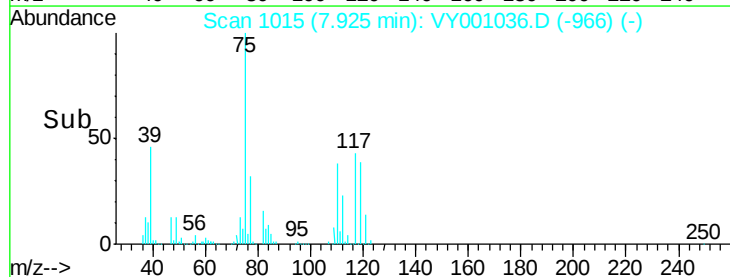
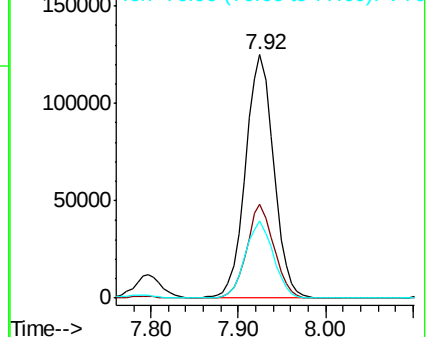
77 31.7 24.6 37.0

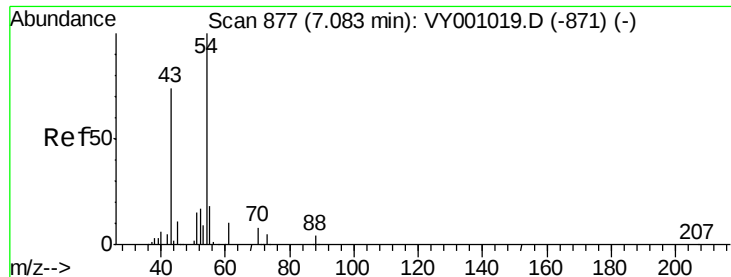


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 49.466 ug/l

RT: 7.08 min Scan# 877

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

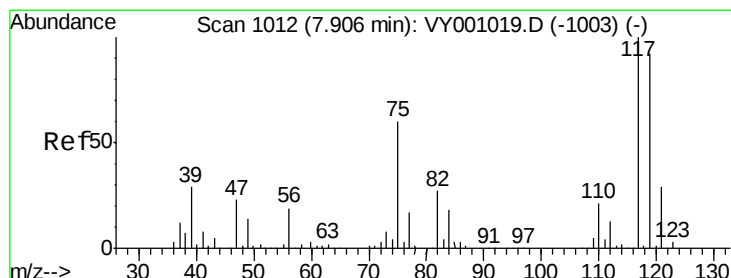
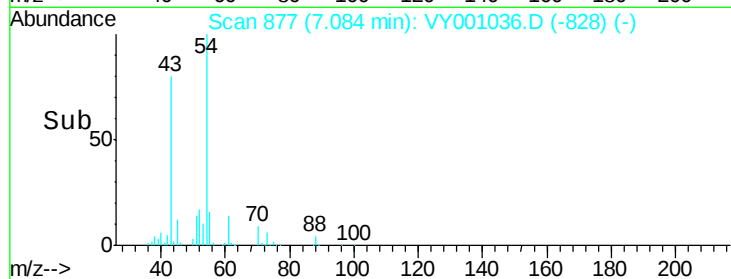
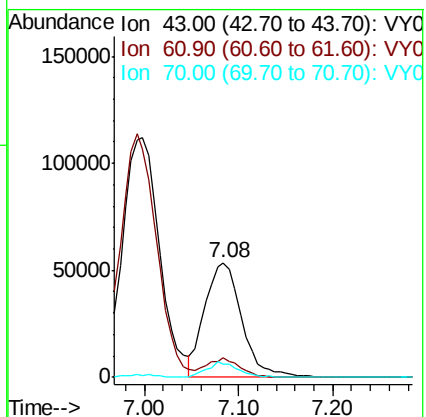
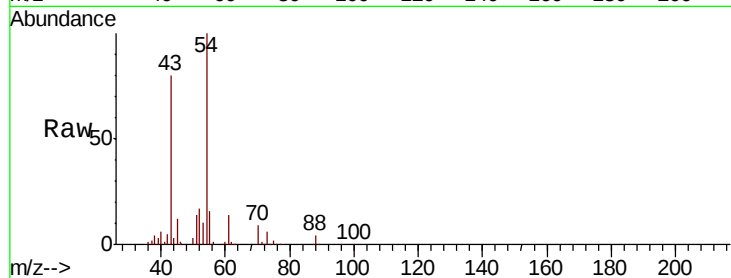
Tgt Ion: 43 Resp: 145534

Ion Ratio Lower Upper

43 100

61 15.1 12.5 18.7

70 11.3 9.0 13.4



#38

Carbon Tetrachloride

Concen: 52.643 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

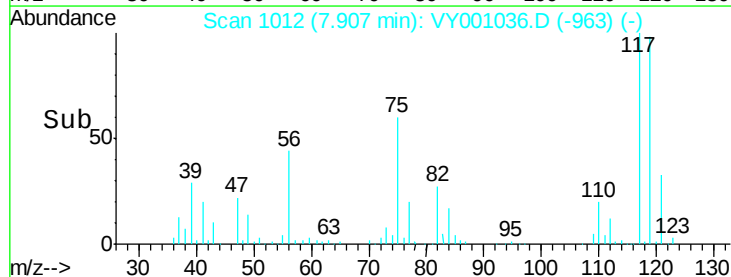
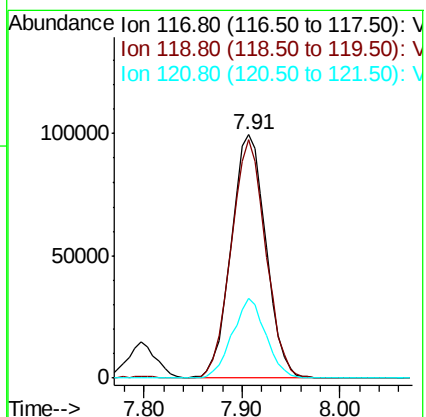
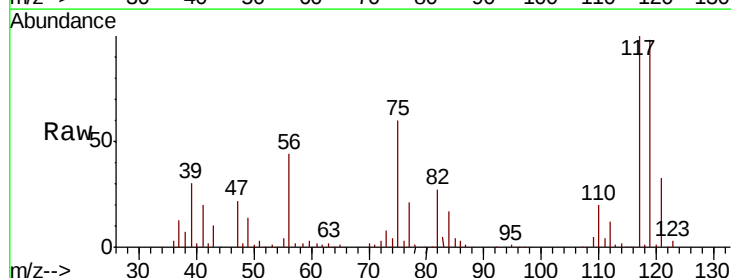
Tgt Ion: 117 Resp: 245071

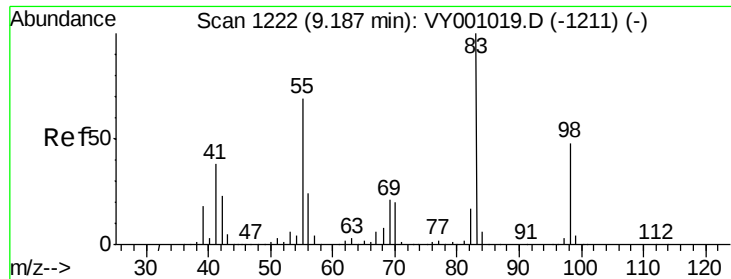
Ion Ratio Lower Upper

117 100

119 98.2 74.2 111.2

121 32.6 22.9 34.3

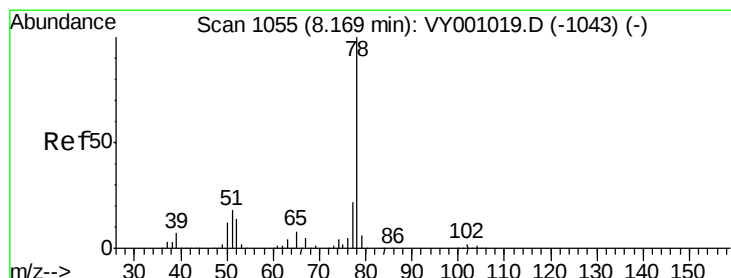
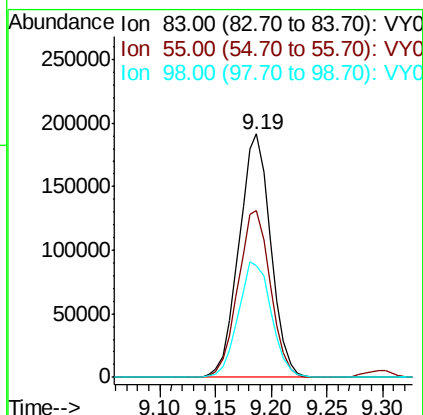
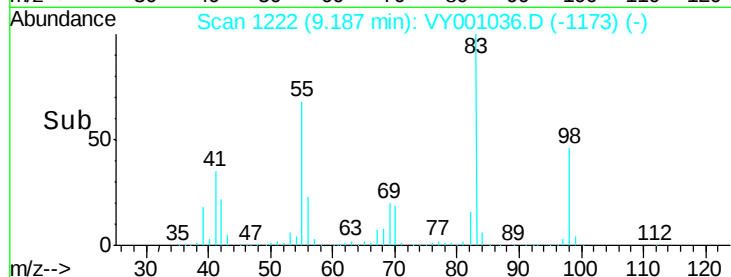
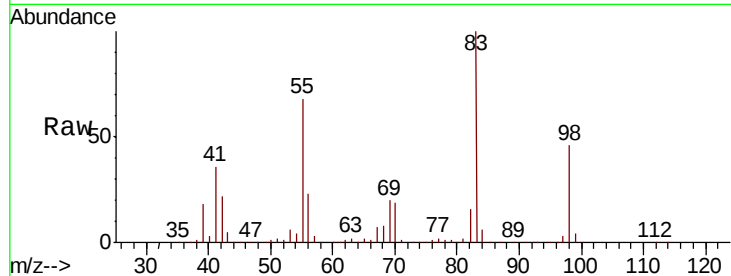




#39
Methylcyclohexane
Concen: 53.582 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

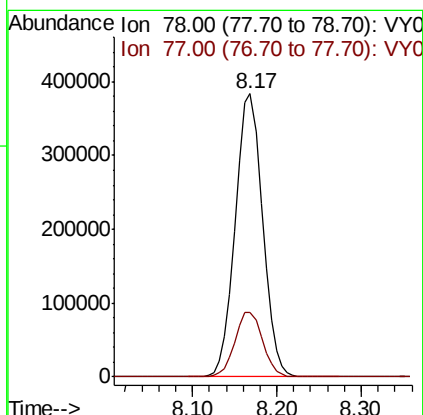
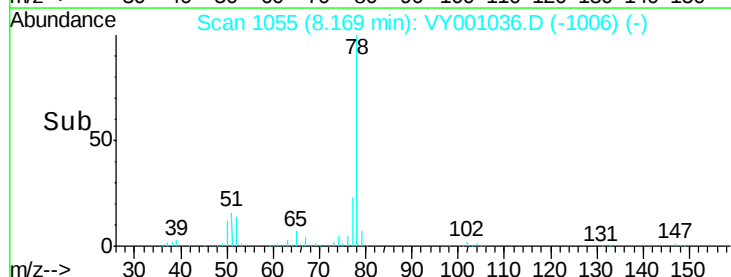
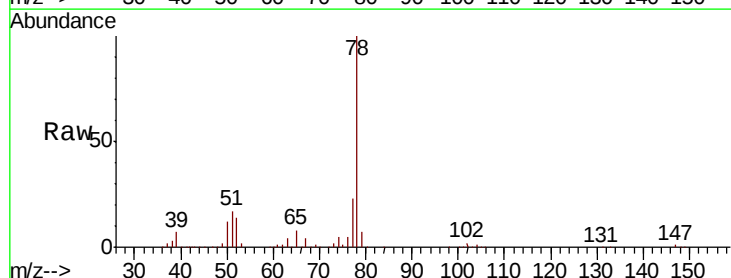
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

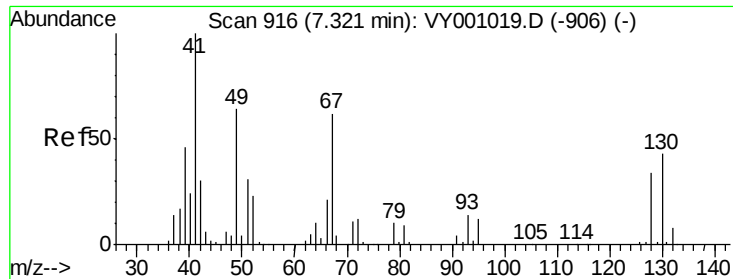
Tgt Ion: 83 Resp: 378080
Ion Ratio Lower Upper
83 100
55 68.3 55.1 82.7
98 45.9 38.3 57.5



#40
Benzene
Concen: 52.372 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 78 Resp: 839519
Ion Ratio Lower Upper
78 100
77 23.0 17.7 26.5

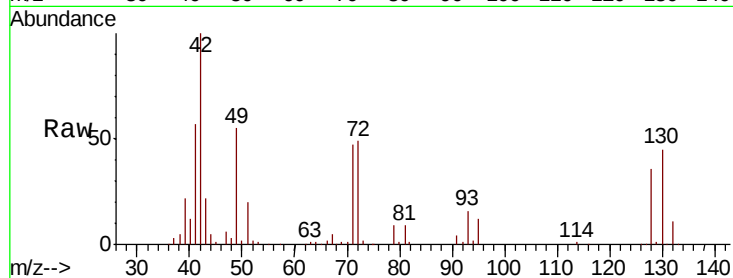




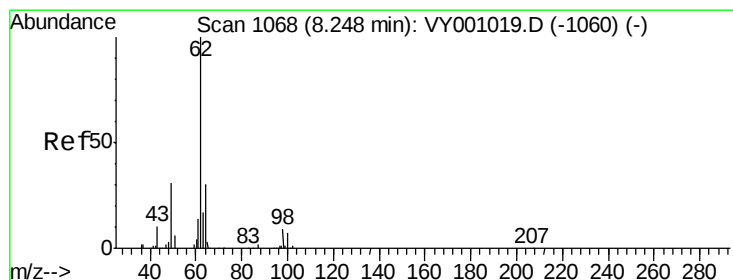
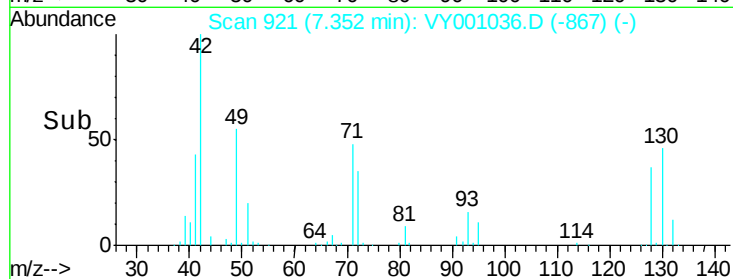
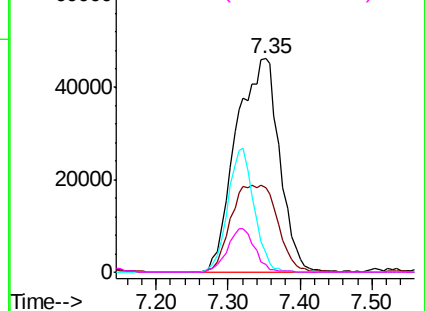
#41
Methacrylonitrile
Concen: 151.424 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	193150
Ion	Ratio	Lower	Upper
41	100		
39	43.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

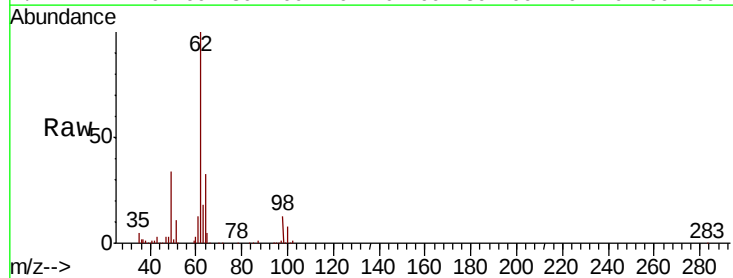


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

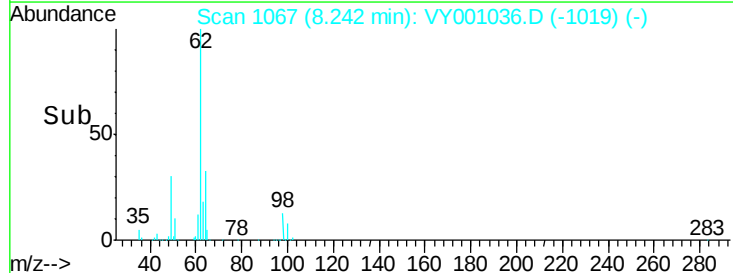
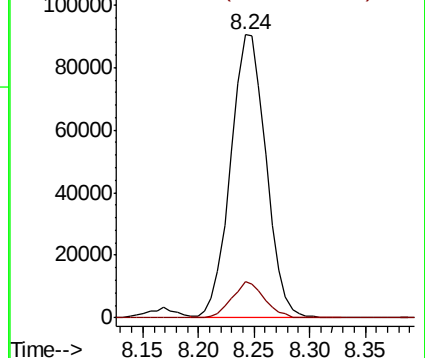


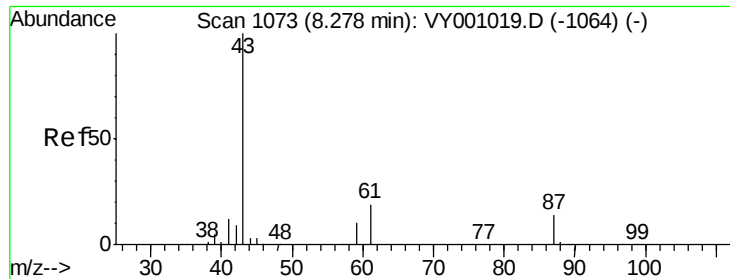
#42
1,2-Dichloroethane
Concen: 52.086 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion:	62	Resp:	199617
Ion	Ratio	Lower	Upper
62	100		
98	11.8	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: 50.139 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

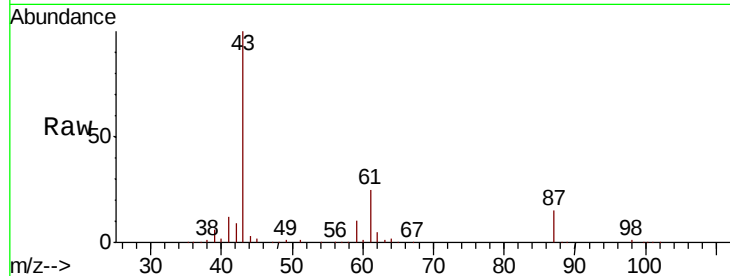
Tgt Ion: 43 Resp: 273075

Ion Ratio Lower Upper

43 100

61 32.1 25.0 37.6

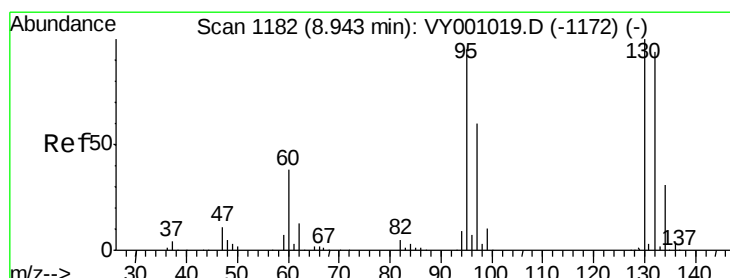
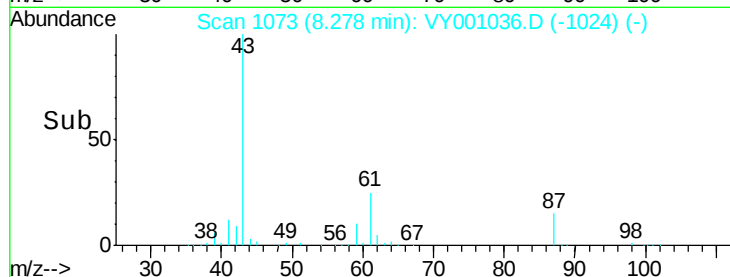
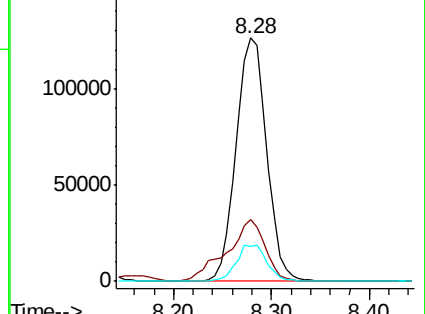
87 15.2 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



#44

Trichloroethene

Concen: 52.023 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001036.D

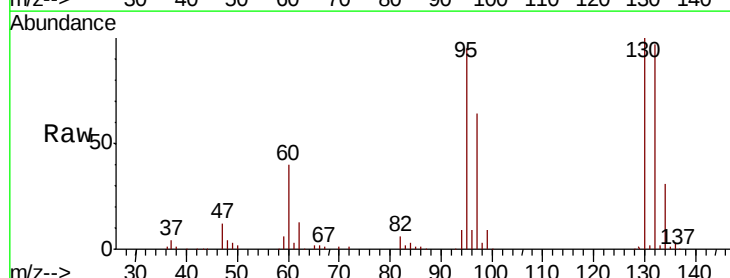
Acq: 24 Dec 2019 10:23

Tgt Ion: 130 Resp: 219721

Ion Ratio Lower Upper

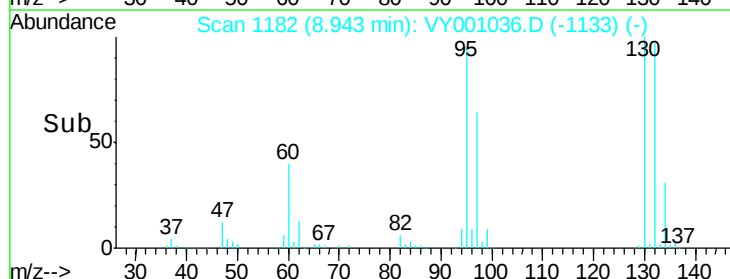
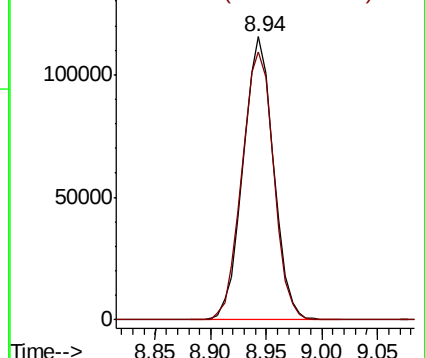
130 100

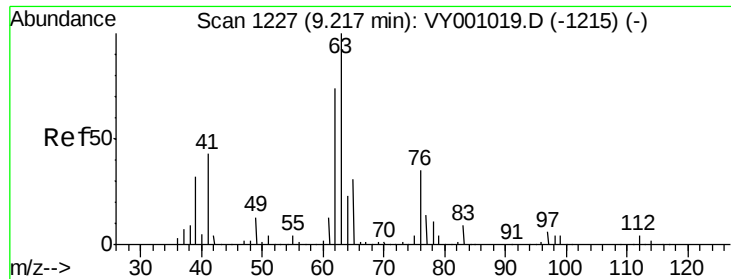
95 94.8 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001019.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001019.D (-1172) (-)

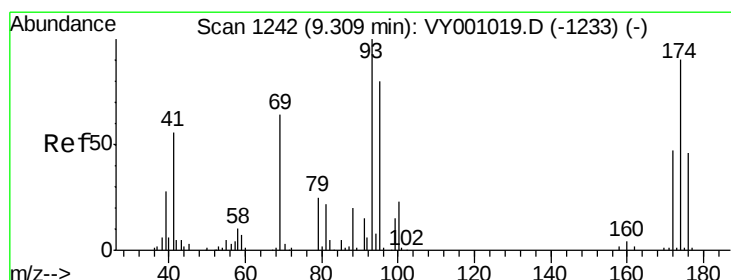
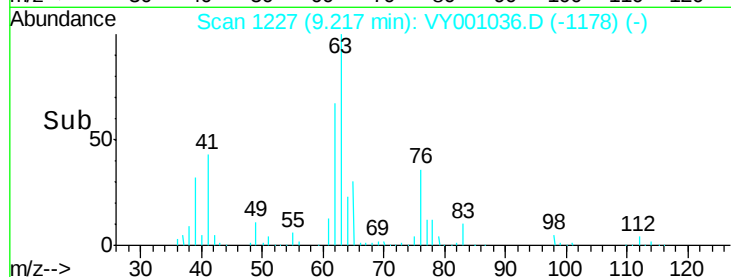
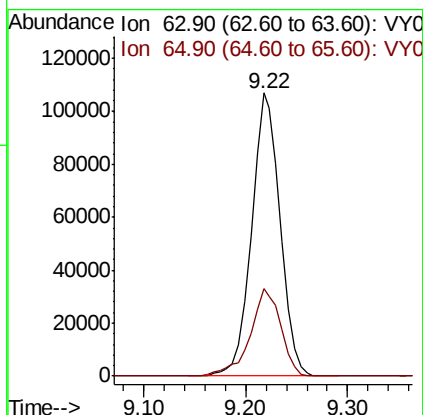
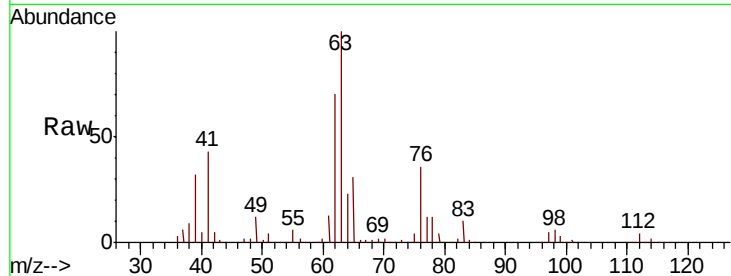




#45
 1,2-Dichloropropane
 Concen: 51.616 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

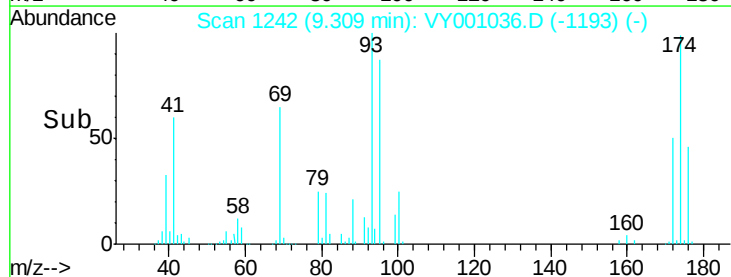
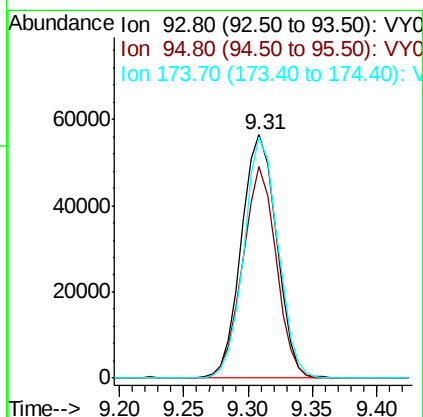
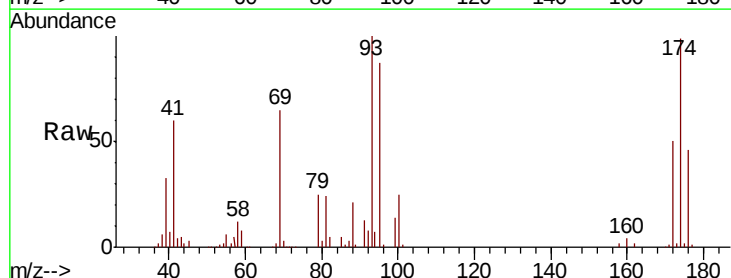
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

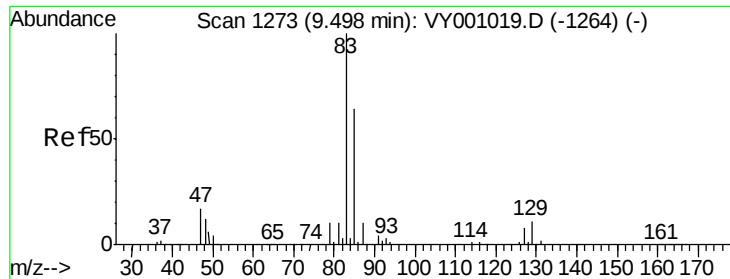
Tgt Ion: 63 Resp: 207567
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7



#46
 Dibromomethane
 Concen: 51.757 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 93 Resp: 107290
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 95.0 73.6 110.4





#47

Bromodichloromethane

Concen: 51.466 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

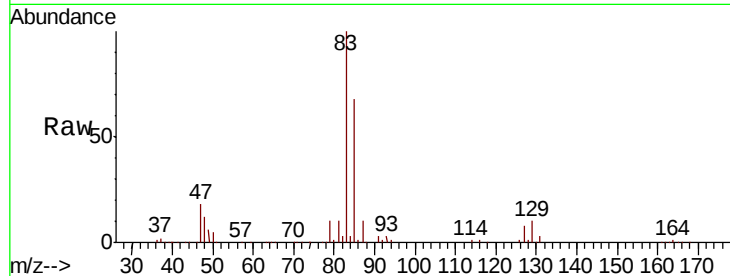
Tgt Ion: 83 Resp: 247129

Ion Ratio Lower Upper

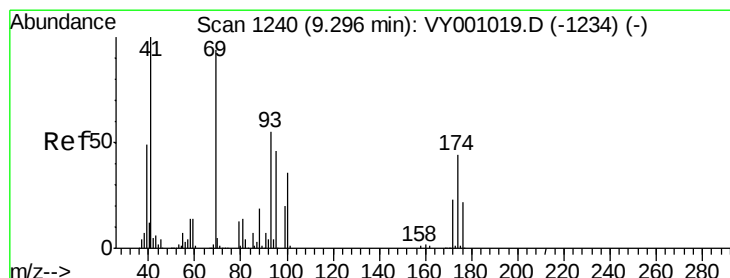
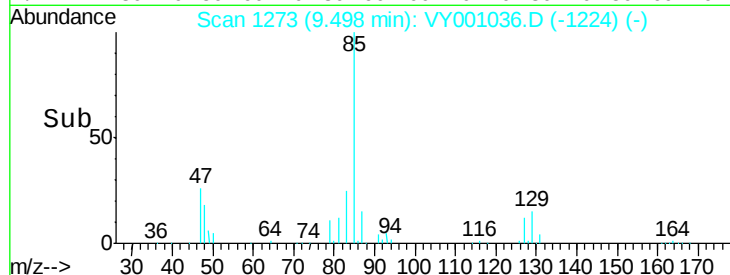
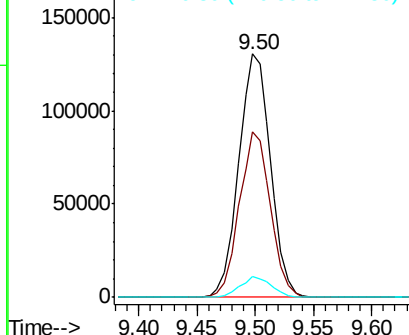
83 100

85 68.1 50.9 76.3

127 8.3 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): VY0



#48

Methyl methacrylate

Concen: 52.764 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

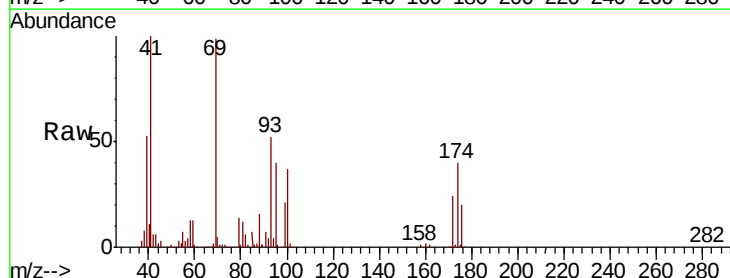
Tgt Ion: 41 Resp: 122632

Ion Ratio Lower Upper

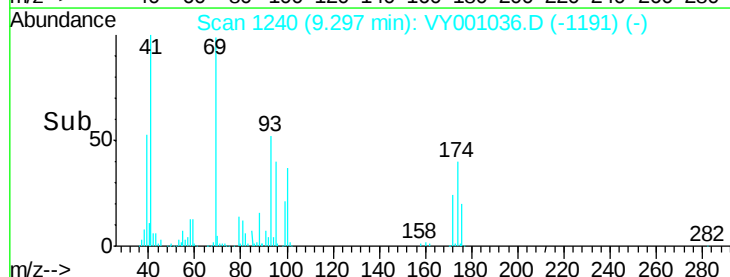
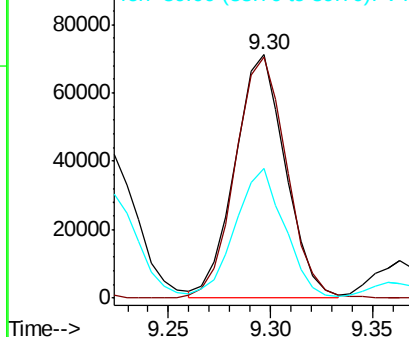
41 100

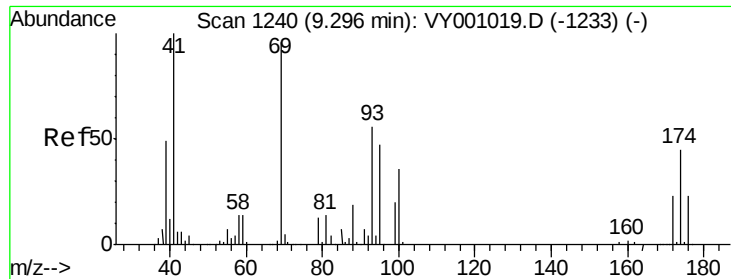
69 100.6 79.8 119.6

39 52.6 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

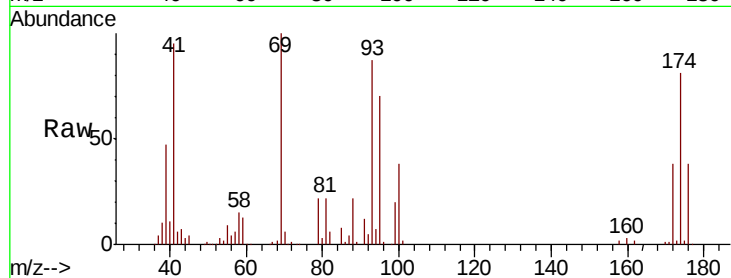




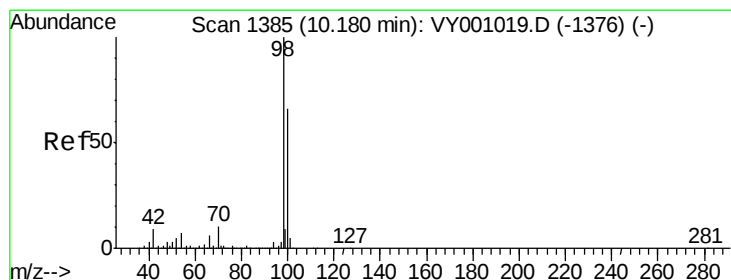
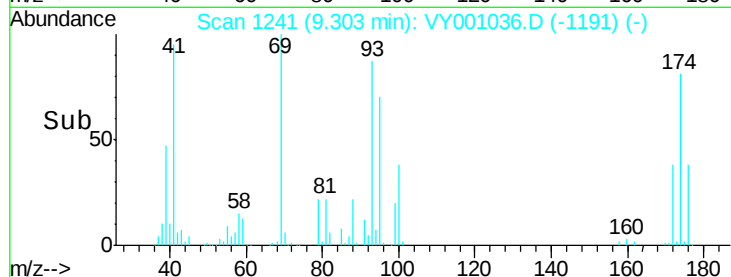
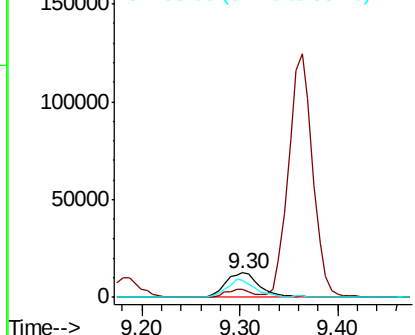
#49
1,4-Dioxane
Concen: 1006.592 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 30524
Ion Ratio Lower Upper
88 100
43 24.1 23.0 34.4
58 61.5 54.9 82.3

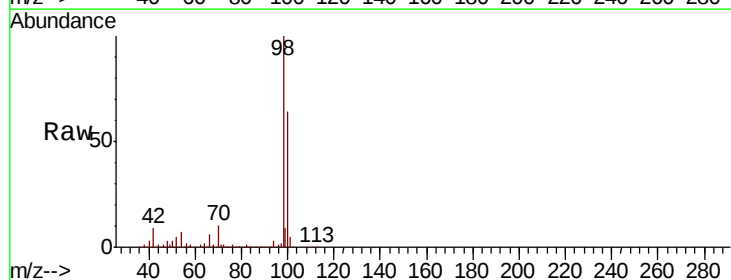


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

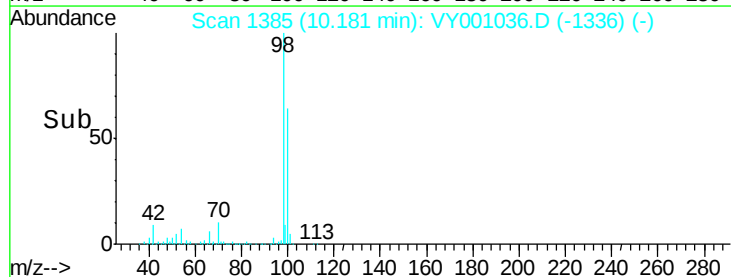
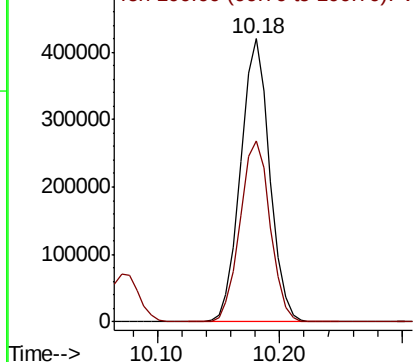


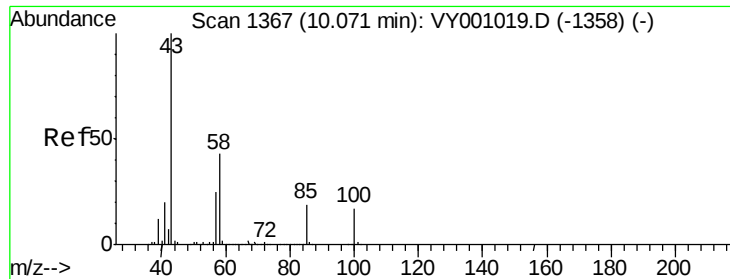
#50
Toluene-d8
Concen: 53.782 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 98 Resp: 689329
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

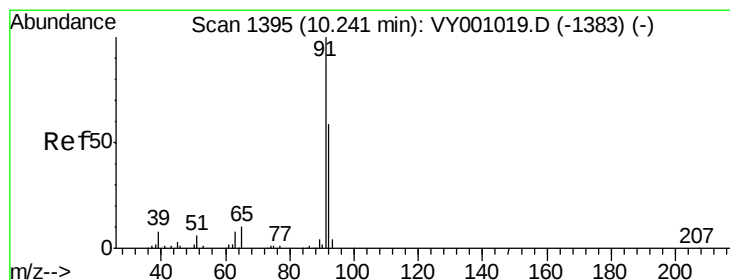
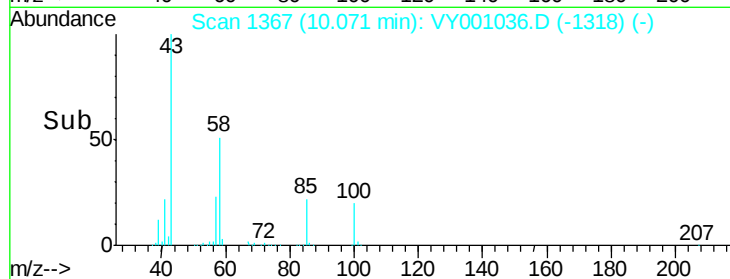
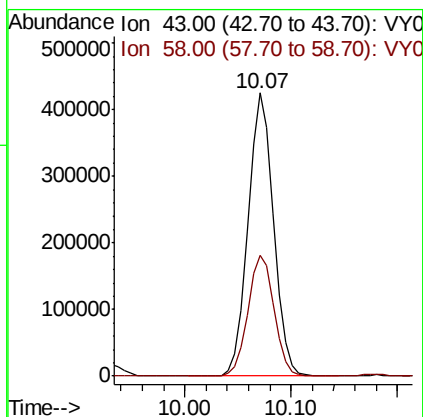
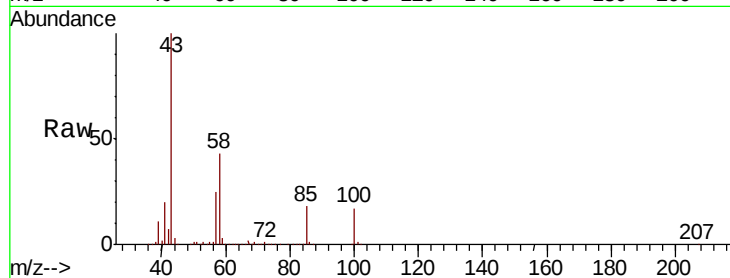




#51
 4-Methyl-2-Pentanone
 Concen: 251.564 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

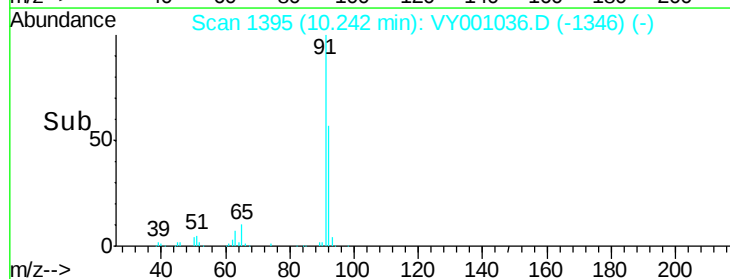
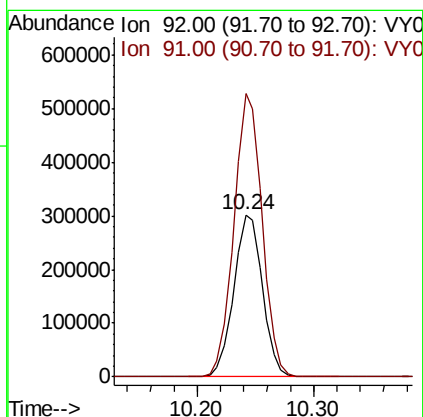
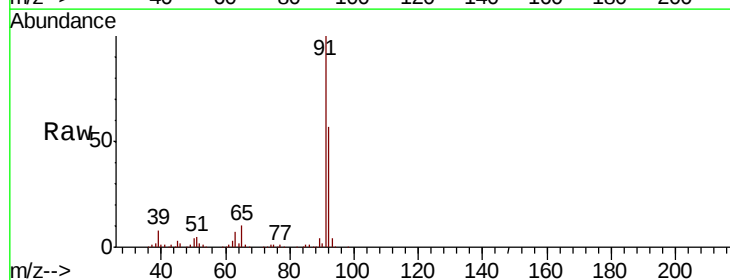
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

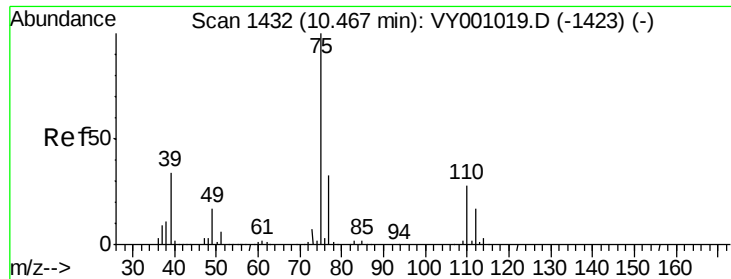
Tgt Ion: 43 Resp: 714114
 Ion Ratio Lower Upper
 43 100
 58 43.8 34.6 52.0



#52
 Toluene
 Concen: 52.335 ug/l
 RT: 10.24 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 92 Resp: 516353
 Ion Ratio Lower Upper
 92 100
 91 172.4 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 52.935 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

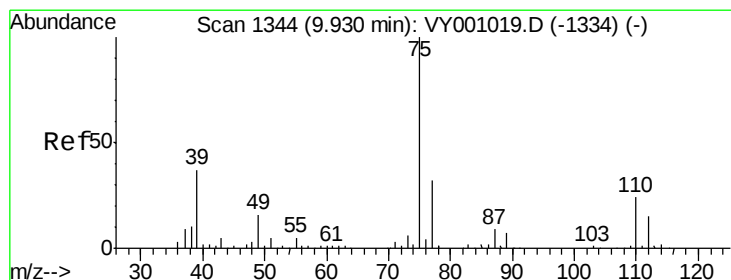
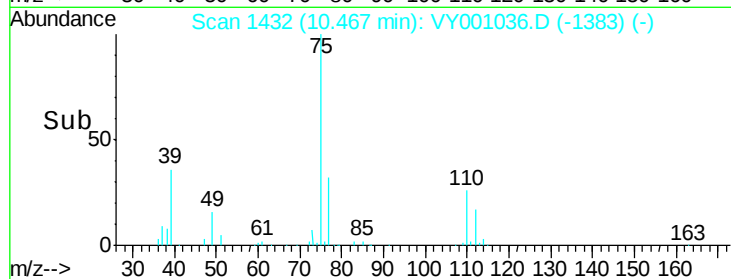
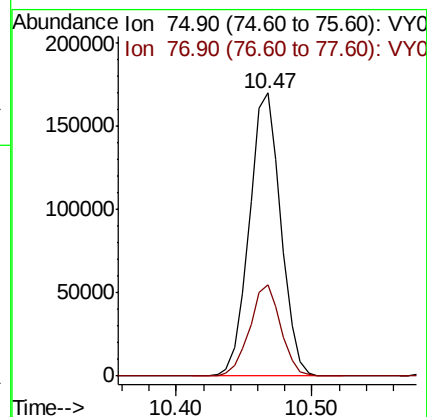
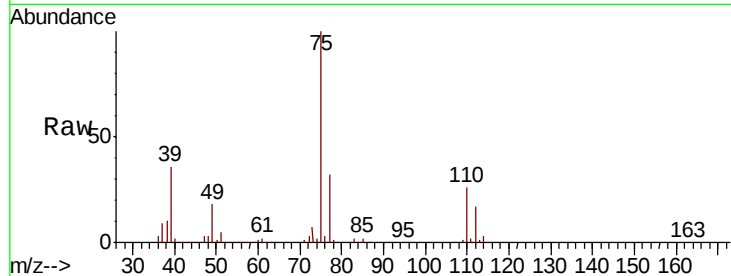
VSTDCCC050

Tgt Ion: 75 Resp: 275858

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 53.002 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

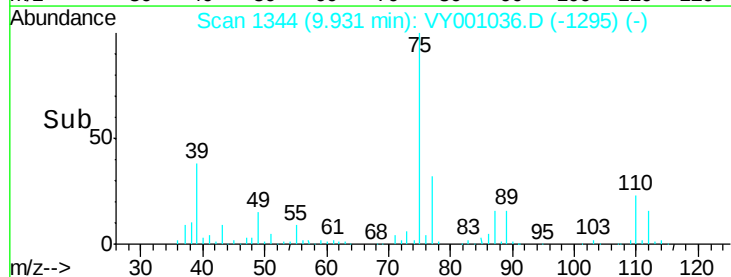
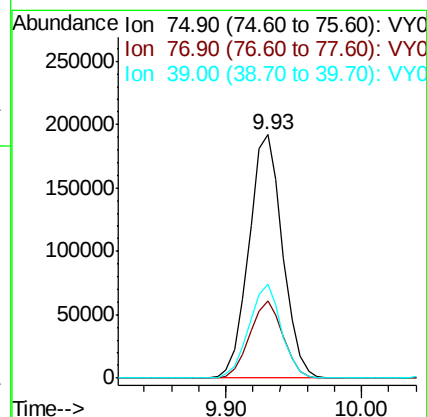
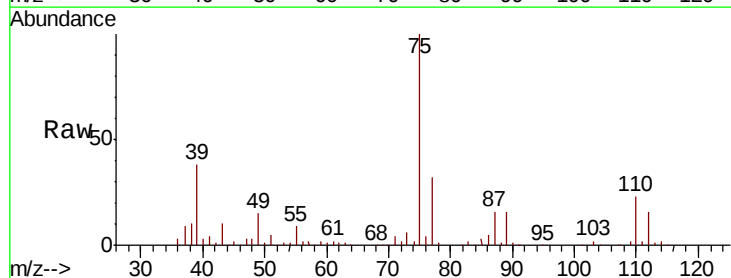
Tgt Ion: 75 Resp: 332128

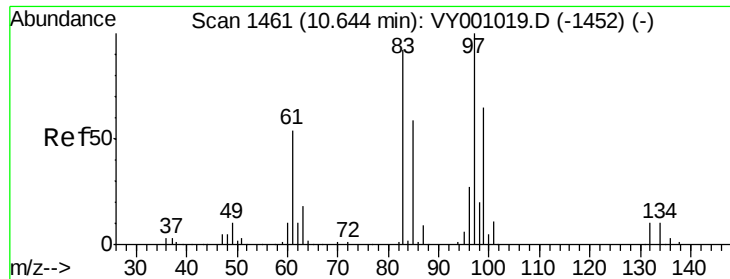
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 38.3 29.5 44.3

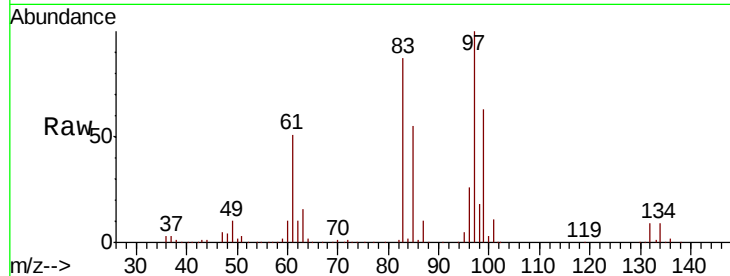




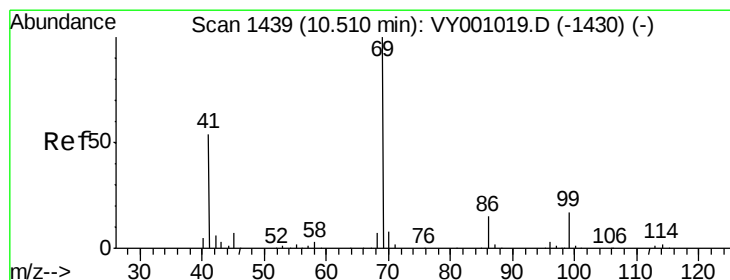
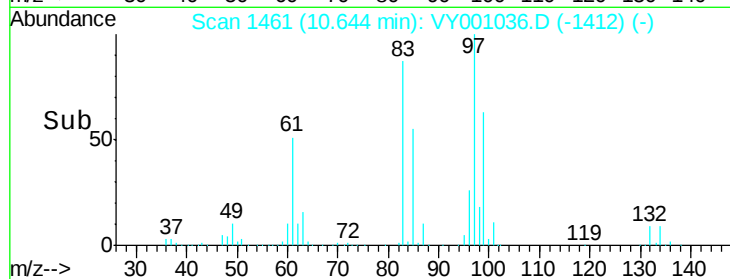
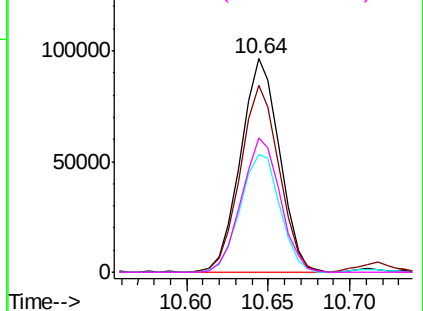
#55
 1,1,2-Trichloroethane
 Concen: 51.610 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 159719
 Ion Ratio Lower Upper
 97 100
 83 87.4 73.7 110.5
 85 55.1 47.3 70.9
 99 63.3 51.9 77.9

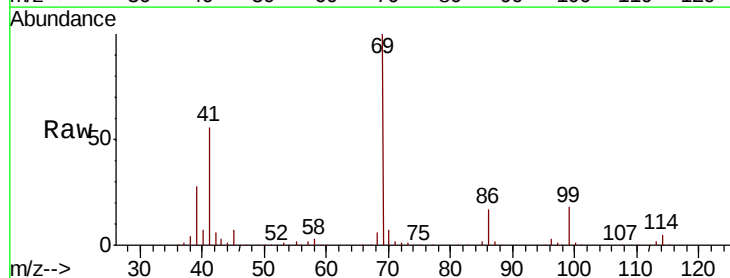


Abundance Ion 96.90 (96.60 to 97.60): VY0
 150000 Ion 82.90 (82.60 to 83.60): VY0
 100000 Ion 84.90 (84.60 to 85.60): VY0
 50000 Ion 98.90 (98.60 to 99.60): VY0

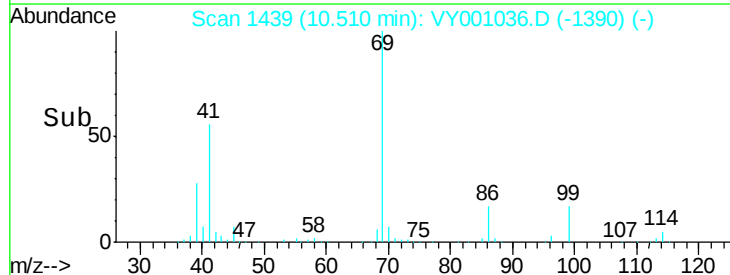
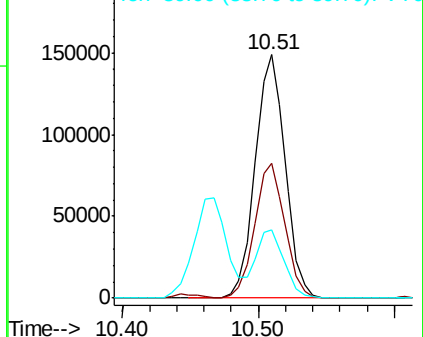


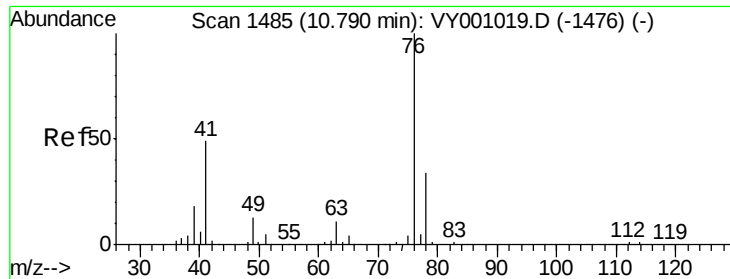
#56
 Ethyl methacrylate
 Concen: 52.300 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 69 Resp: 230353
 Ion Ratio Lower Upper
 69 100
 41 55.5 44.7 67.1
 39 27.7 22.2 33.4



Abundance Ion 69.00 (68.70 to 69.70): VY0
 200000 Ion 41.00 (40.70 to 41.70): VY0
 150000 Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 51.987 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

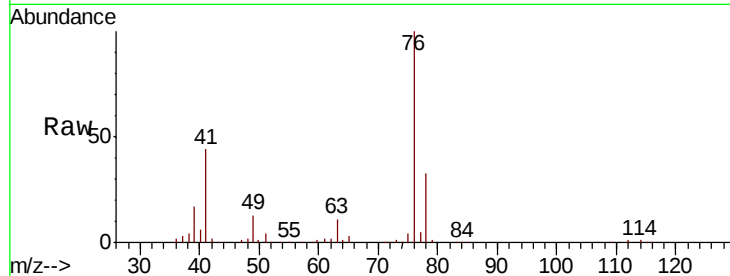
VSTDCCC050

Tgt Ion: 76 Resp: 281999

Ion Ratio Lower Upper

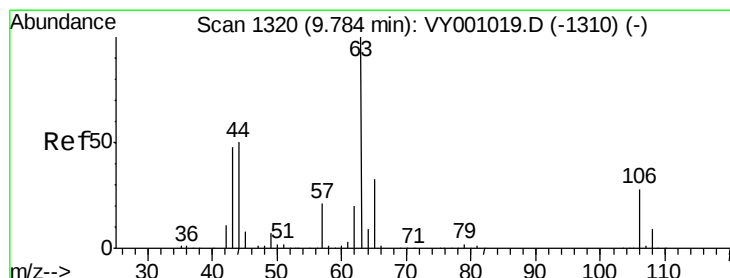
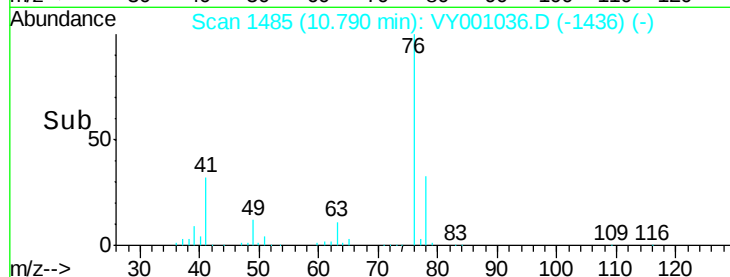
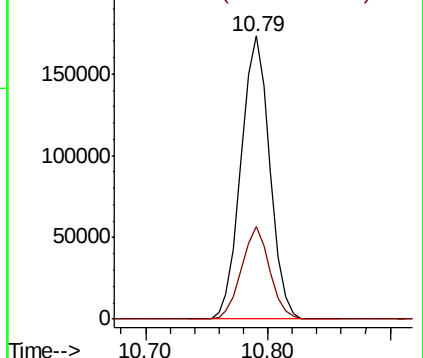
76 100

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: 235.360 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001036.D

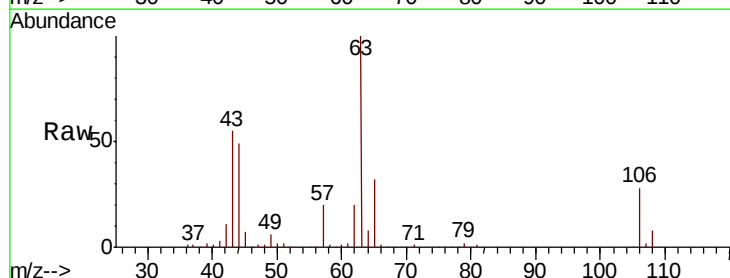
Acq: 24 Dec 2019 10:23

Tgt Ion: 63 Resp: 400390

Ion Ratio Lower Upper

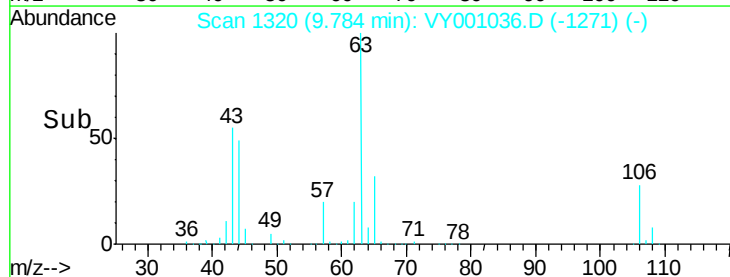
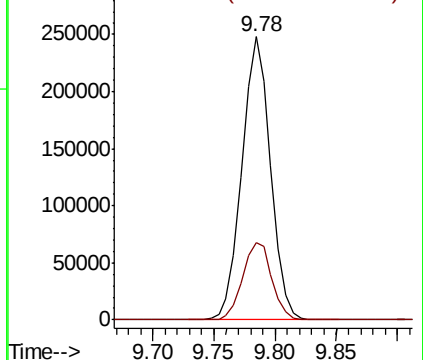
63 100

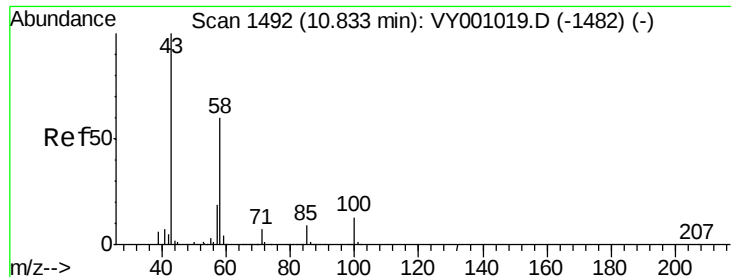
106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

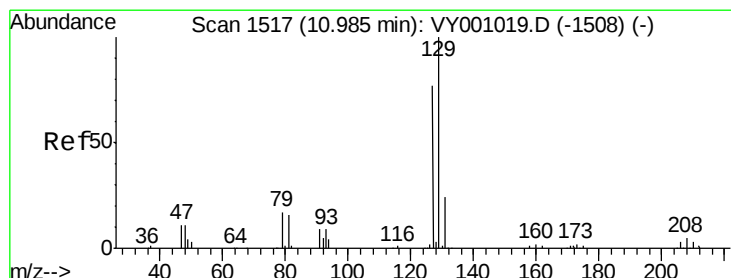
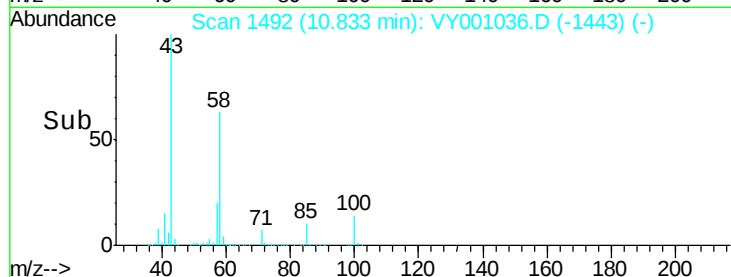
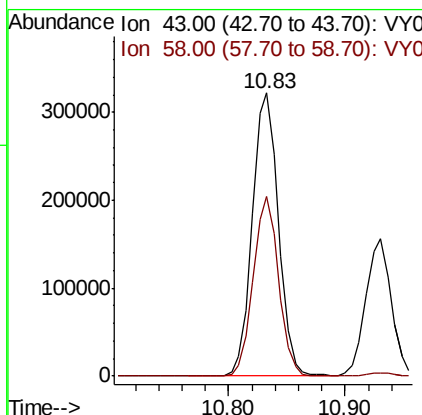
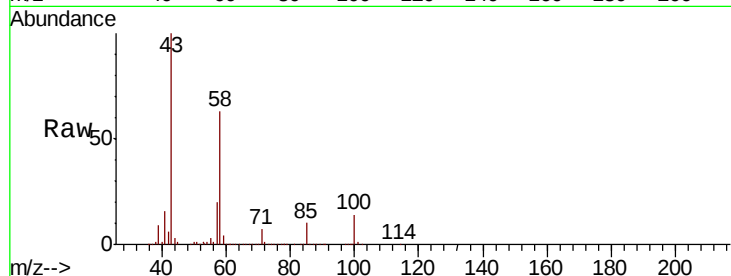




#59
2-Hexanone
Concen: 256.703 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

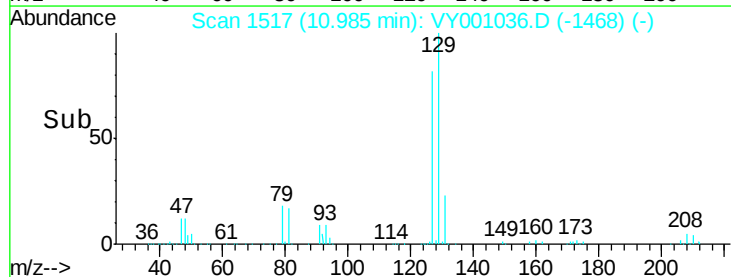
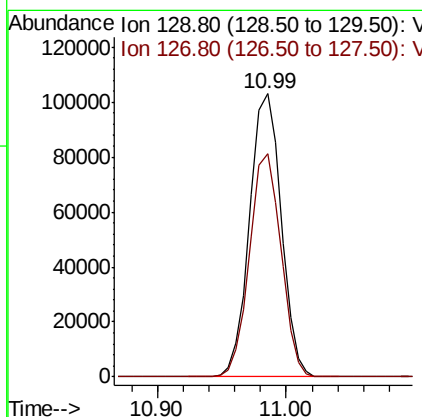
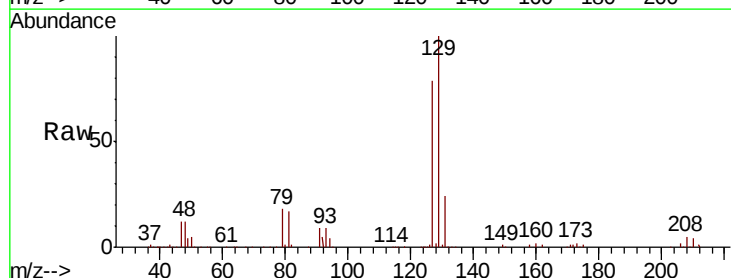
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

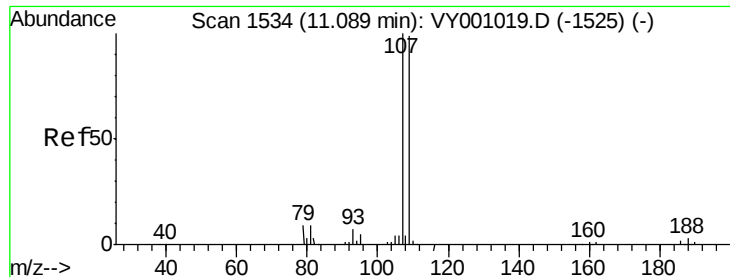
Tgt Ion: 43 Resp: 504219
Ion Ratio Lower Upper
43 100
58 61.3 30.6 91.6



#60
Dibromochloromethane
Concen: 52.840 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 129 Resp: 174674
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

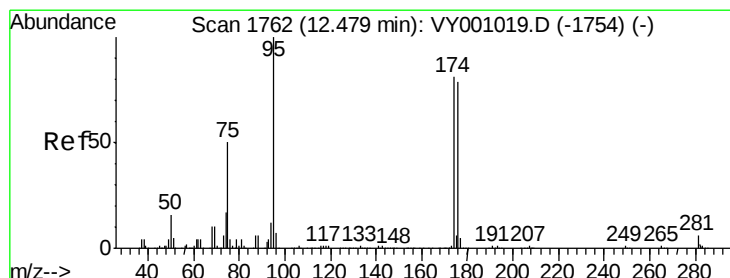
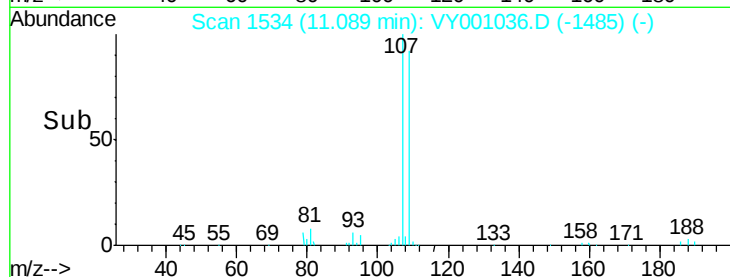
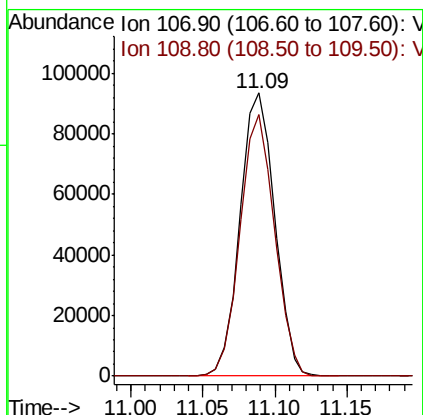
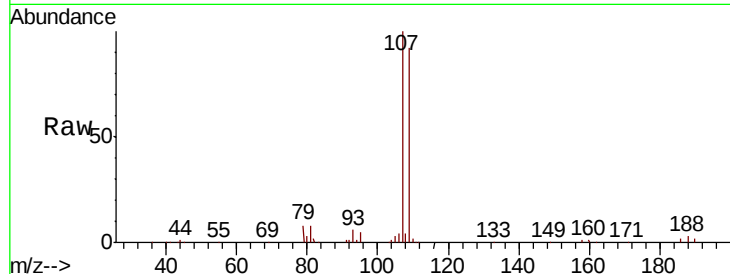




#61
 1,2-Dibromoethane
 Concen: 52.837 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

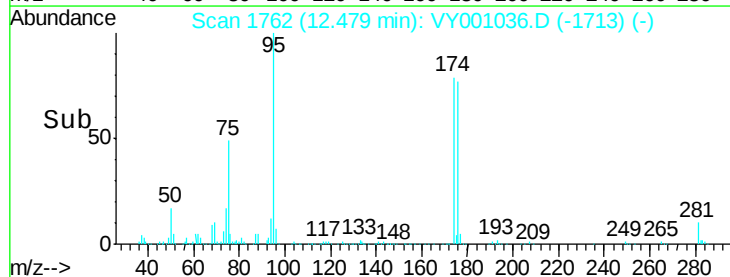
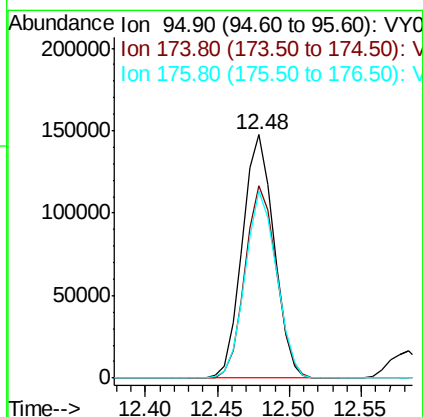
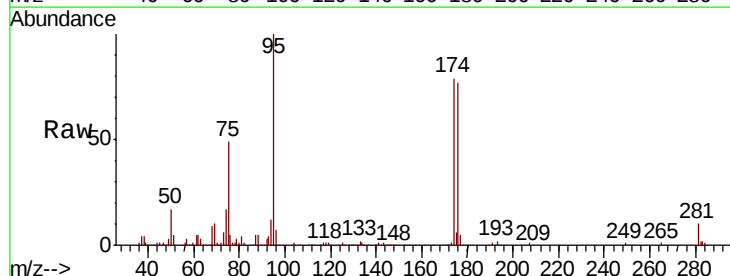
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

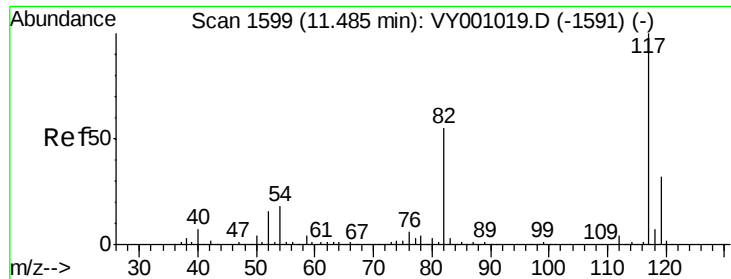
Tgt Ion: 107 Resp: 156363
 Ion Ratio Lower Upper
 107 100
 109 92.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.007 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 95 Resp: 224970
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 156.4
 176 75.9 0.0 155.0

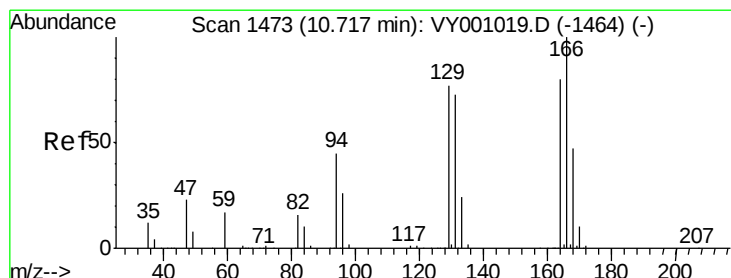
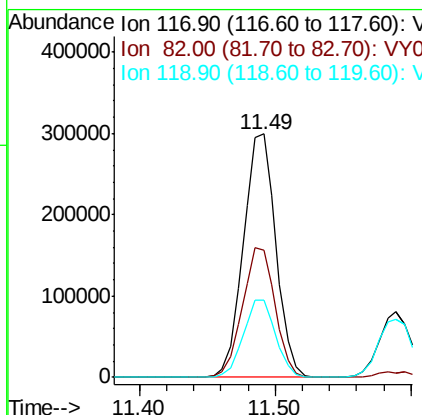
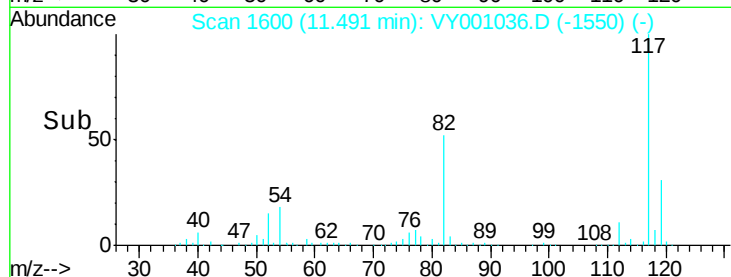
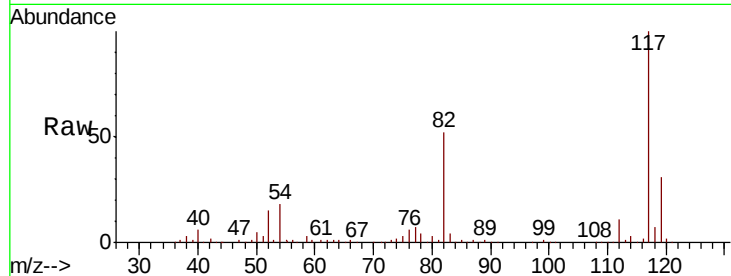




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

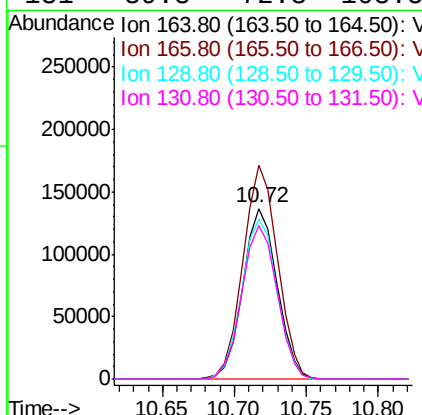
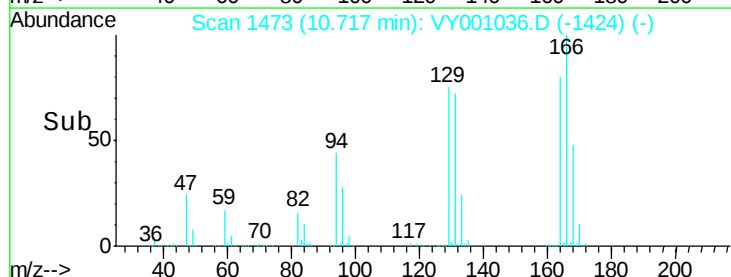
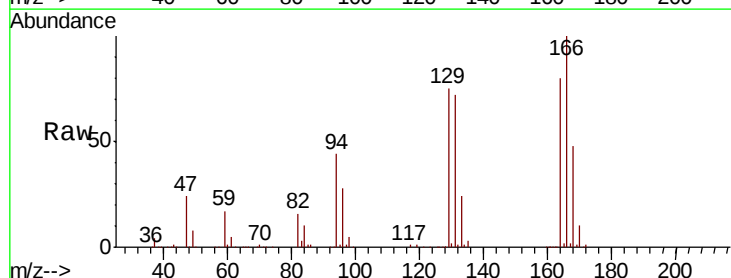
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

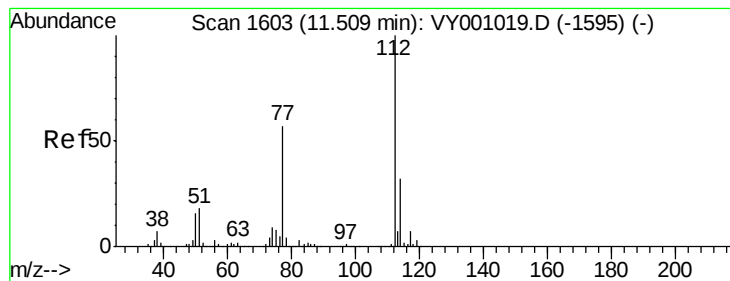
Tgt Ion:117 Resp: 499262
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.8
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 51.968 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion:164 Resp: 224490
Ion Ratio Lower Upper
164 100
166 125.1 99.7 149.5
129 93.8 76.9 115.3
131 89.8 72.3 108.5





#65

Chlorobenzene

Concen: 51.963 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

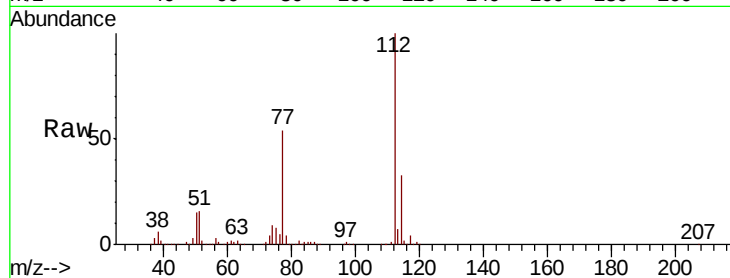
VSTDCCC050

Tgt Ion:112 Resp: 538141

Ion Ratio Lower Upper

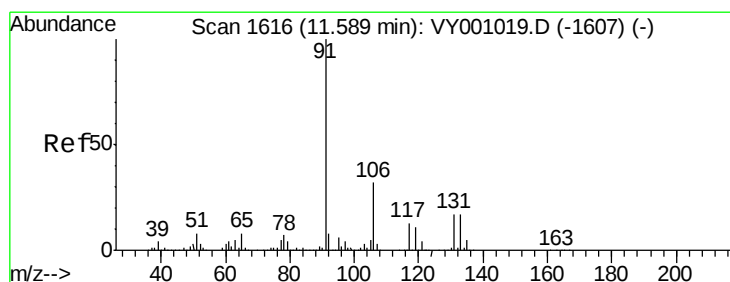
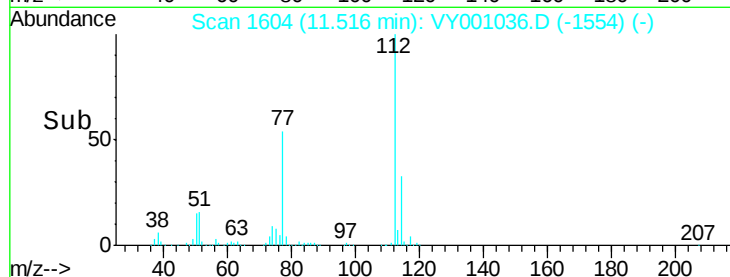
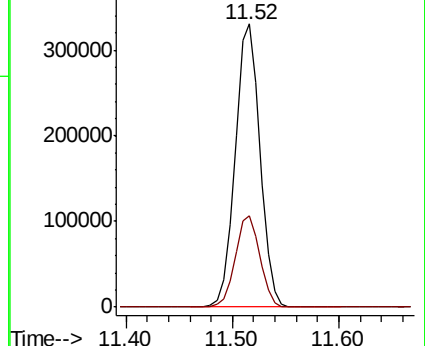
112 100

114 32.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.028 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

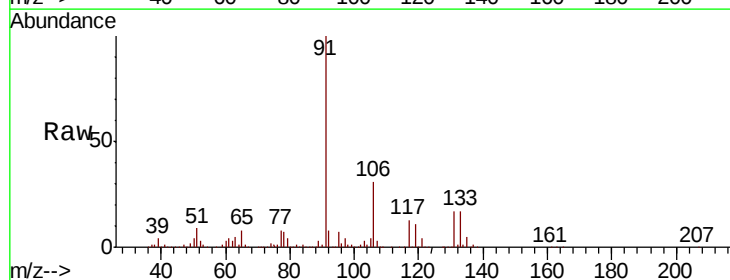
Tgt Ion:131 Resp: 181229

Ion Ratio Lower Upper

131 100

133 97.4 48.1 144.4

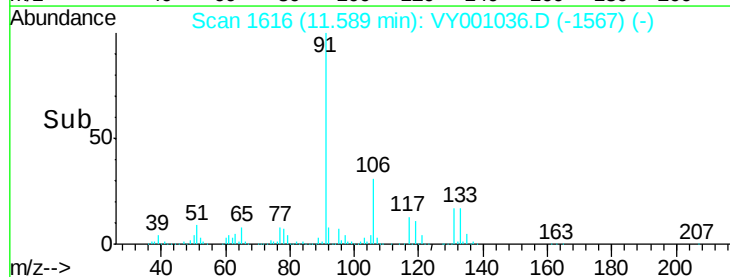
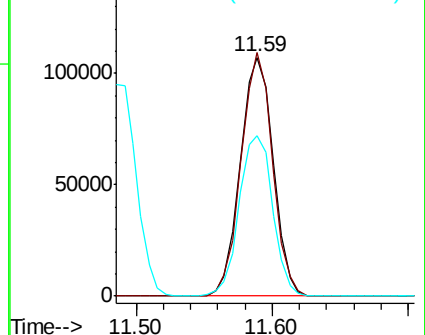
119 68.4 34.0 101.8

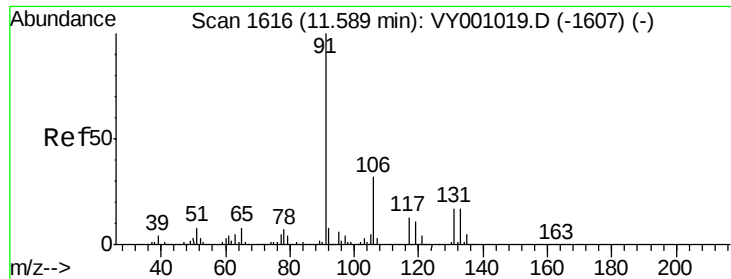


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

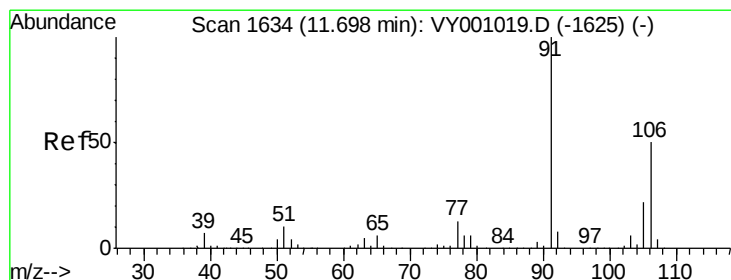
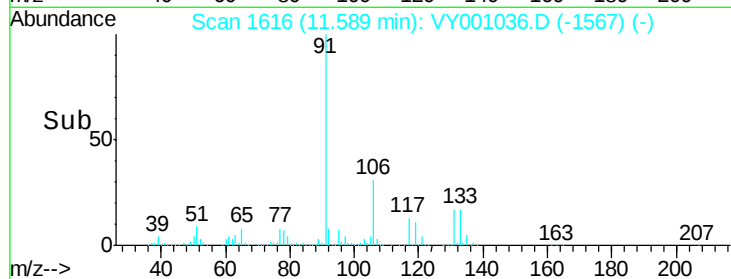
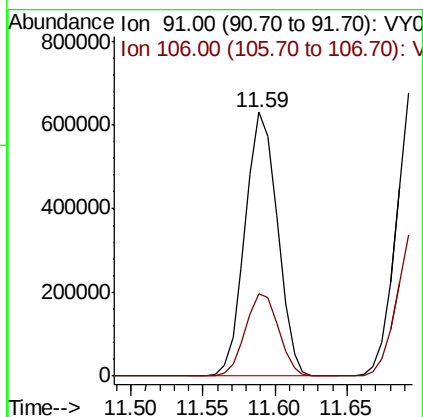
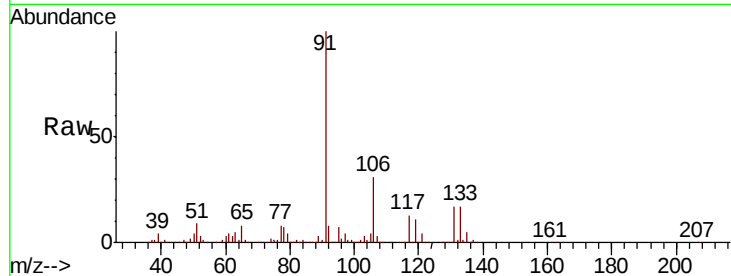




#67
Ethyl Benzene
Concen: 52.745 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

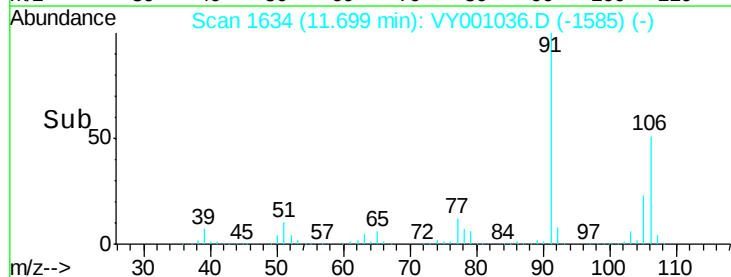
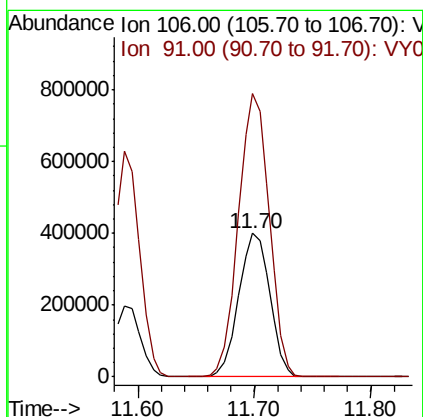
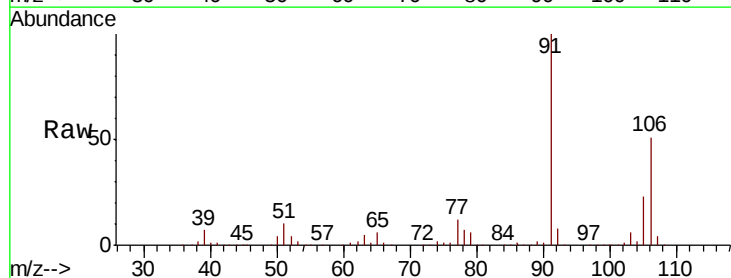
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

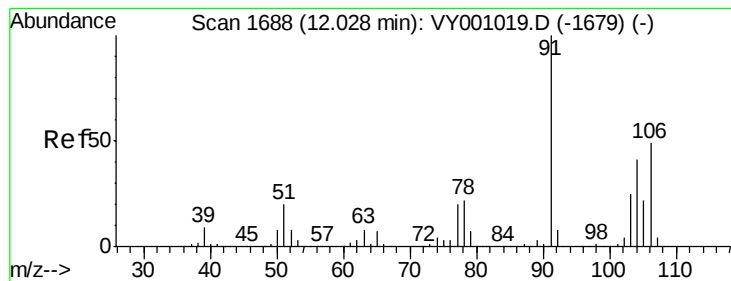
Tgt Ion: 91 Resp: 982510
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9



#68
m/p-Xylenes
Concen: 105.499 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 106 Resp: 746174
Ion Ratio Lower Upper
106 100
91 195.1 156.4 234.6





#69

o-Xylene

Concen: 53.149 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

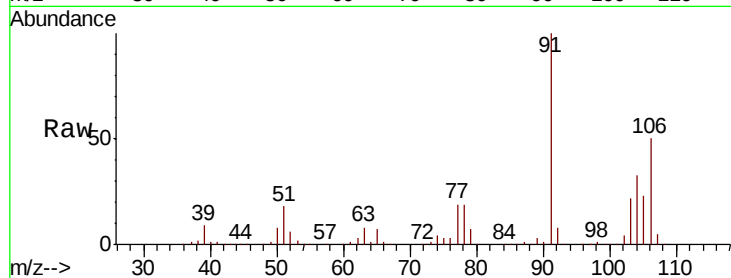
VSTDCCC050

Tgt Ion:106 Resp: 353648

Ion Ratio Lower Upper

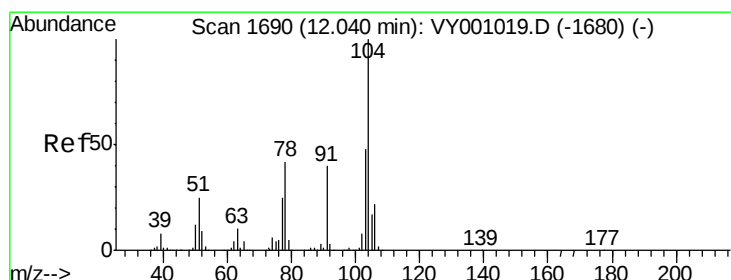
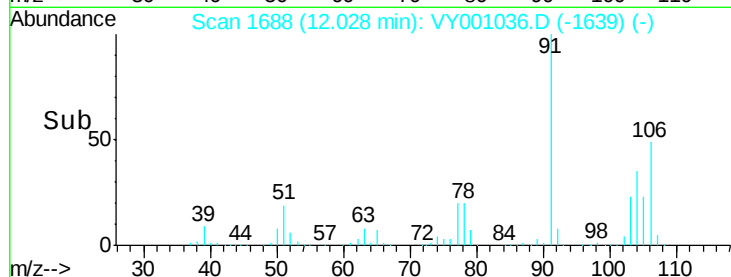
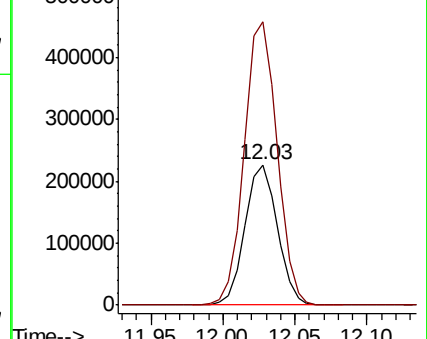
106 100

91 204.1 103.0 309.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#70

Styrene

Concen: 53.616 ug/l

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

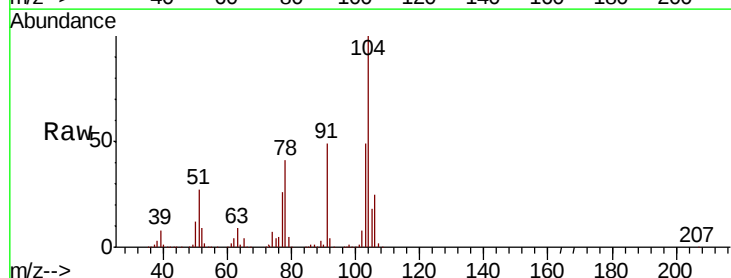
Tgt Ion:104 Resp: 606608

Ion Ratio Lower Upper

104 100

78 44.6 36.6 54.8

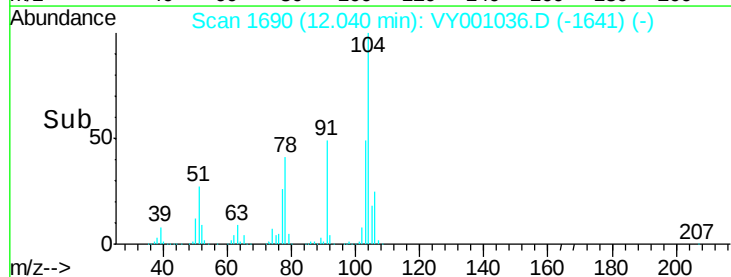
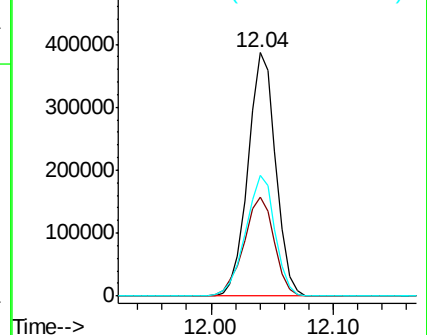
103 52.7 42.6 64.0

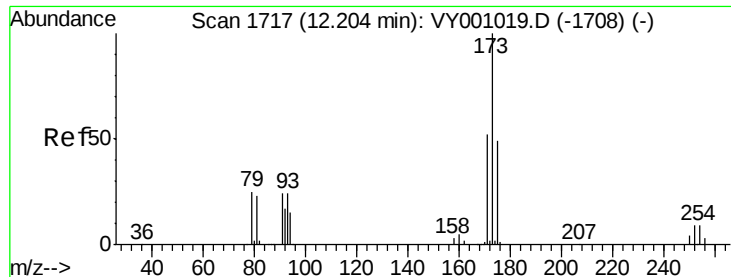


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.563 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

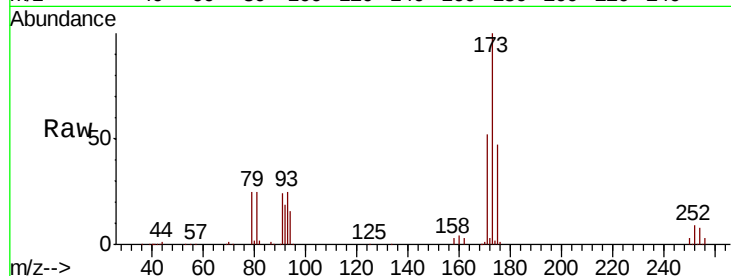
Tgt Ion:173 Resp: 101929

Ion Ratio Lower Upper

173 100

175 48.0 24.5 73.5

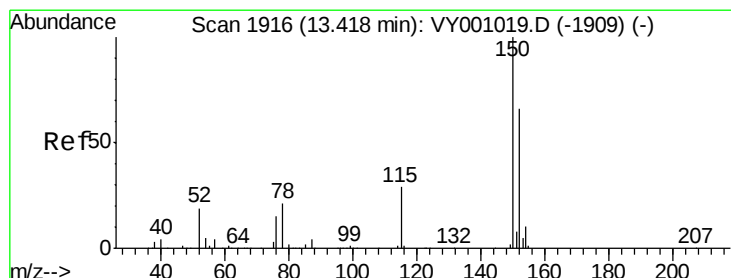
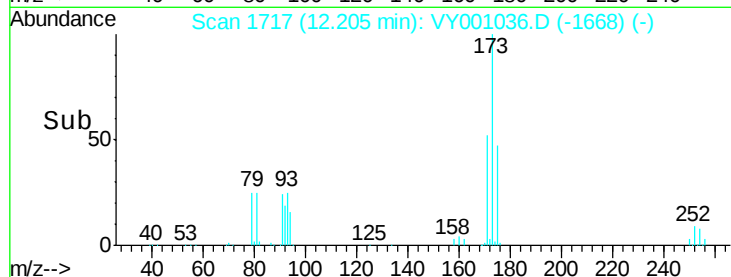
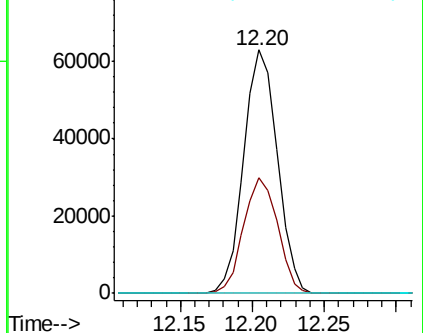
254 0.1 0.0 0.0#



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# 1917

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

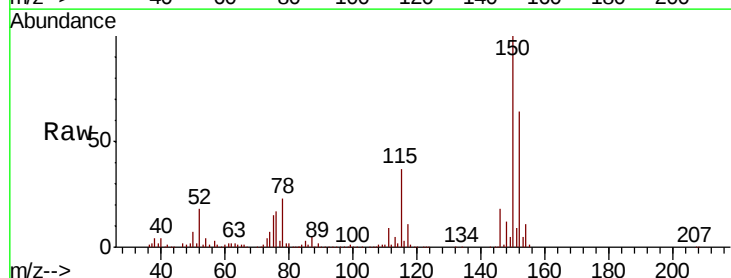
Tgt Ion:152 Resp: 225346

Ion Ratio Lower Upper

152 100

115 59.4 29.8 89.3

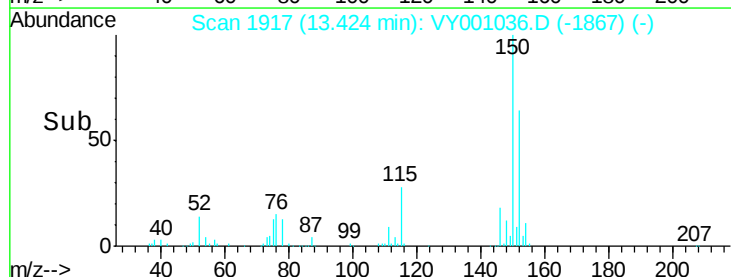
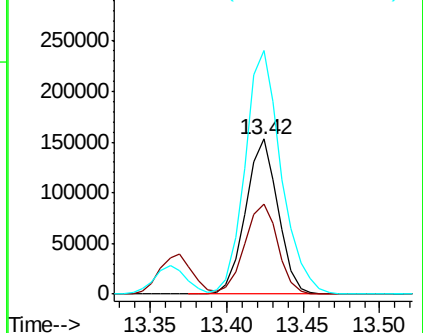
150 175.0 0.0 352.6

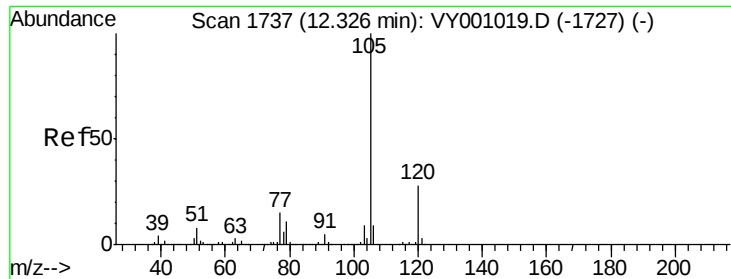


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.747 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

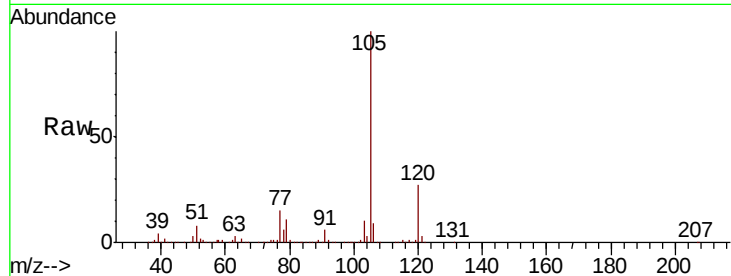
VSTDCCC050

Tgt Ion:105 Resp: 937260

Ion Ratio Lower Upper

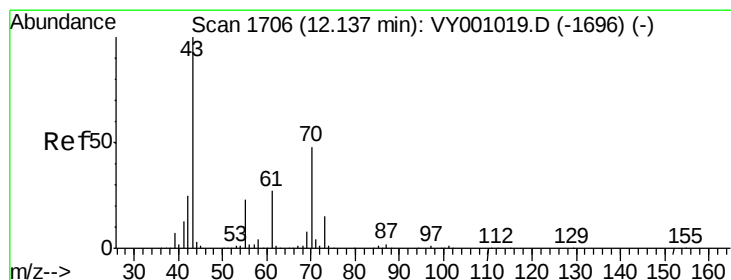
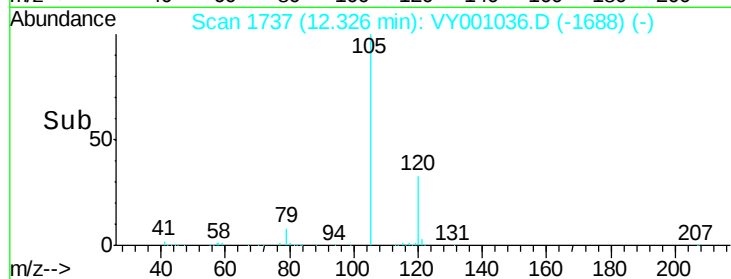
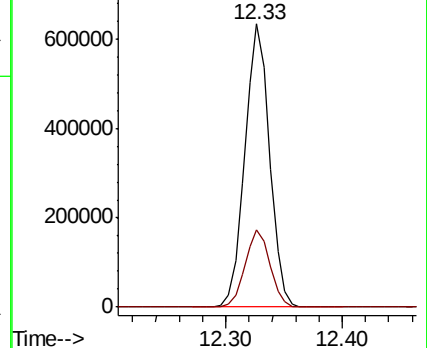
105 100

120 27.3 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: 51.009 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 43 Resp: 233682

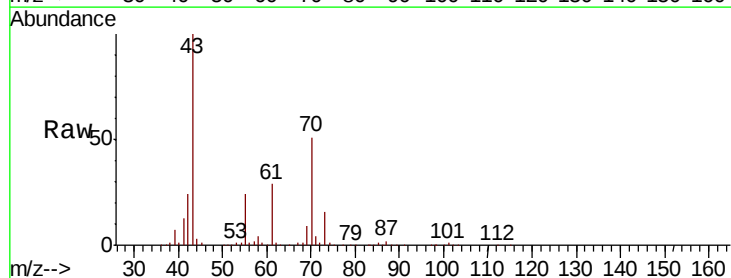
Ion Ratio Lower Upper

43 100

70 50.4 39.0 58.6

55 25.5 19.5 29.3

61 28.6 22.0 33.0

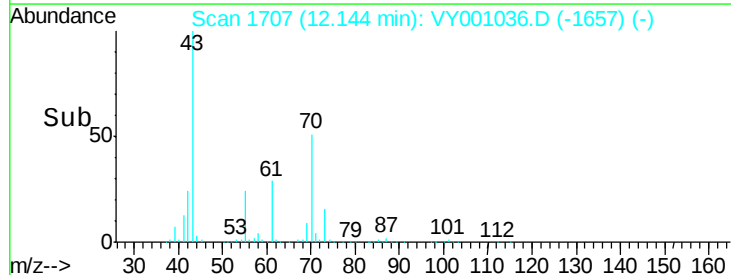
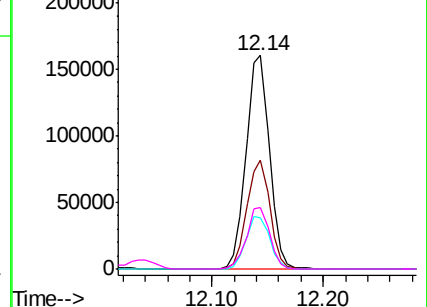


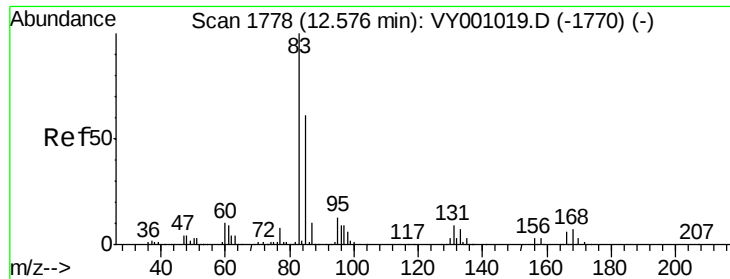
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 53.105 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

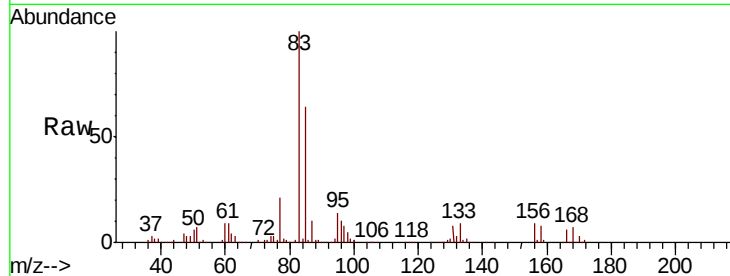
Tgt Ion: 83 Resp: 182433

Ion Ratio Lower Upper

83 100

131 9.2 5.1 15.3

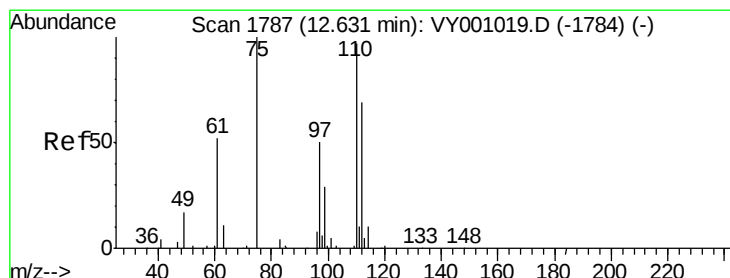
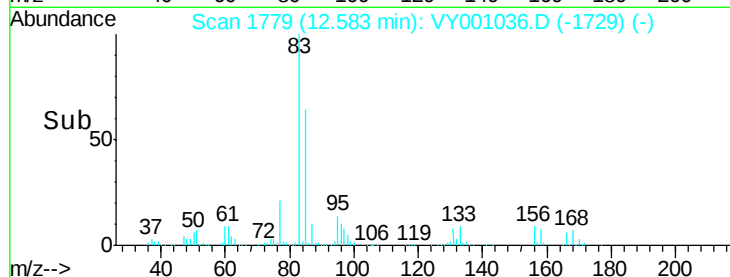
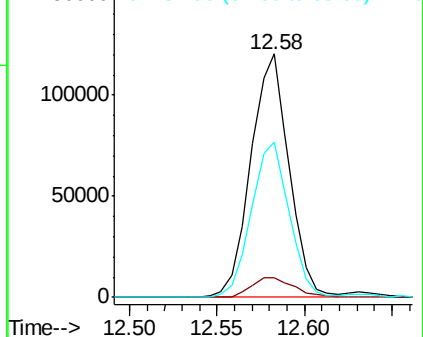
85 63.4 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 88.070 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001036.D

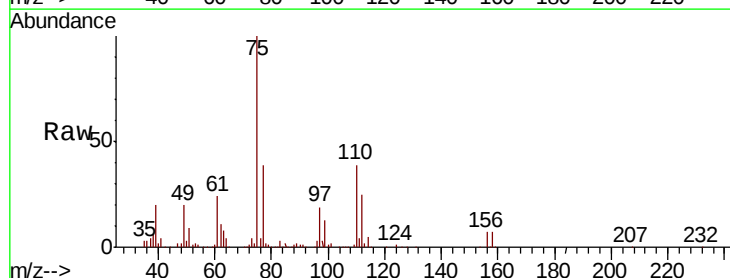
Acq: 24 Dec 2019 10:23

Tgt Ion: 75 Resp: 244663

Ion Ratio Lower Upper

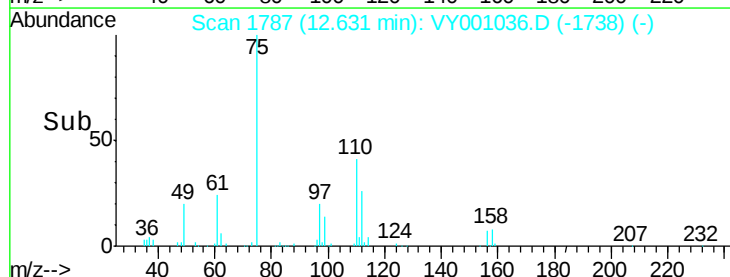
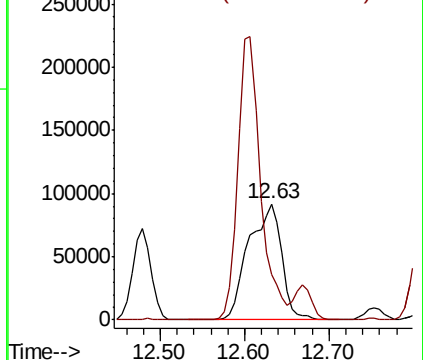
75 100

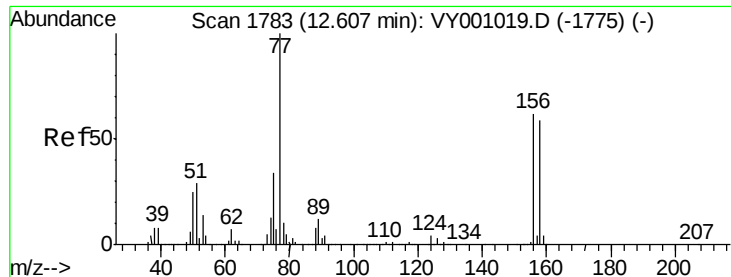
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 53.443 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

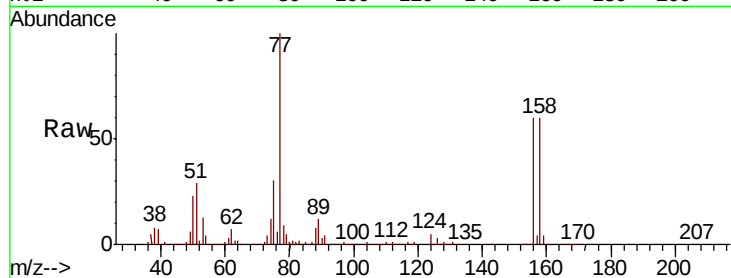
Tgt Ion:156 Resp: 209603

Ion Ratio Lower Upper

156 100

77 193.2 98.0 294.1

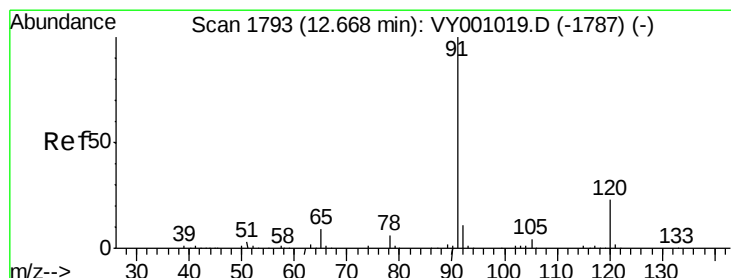
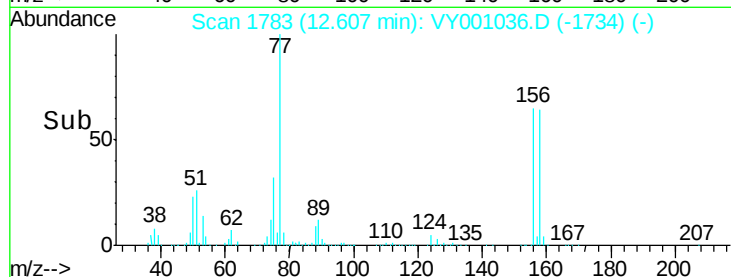
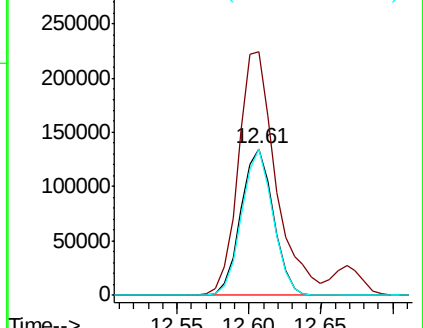
158 96.0 48.5 145.6



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: 54.019 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001036.D

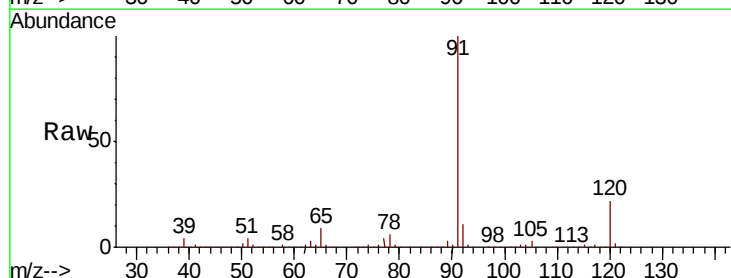
Acq: 24 Dec 2019 10:23

Tgt Ion: 91 Resp: 1147827

Ion Ratio Lower Upper

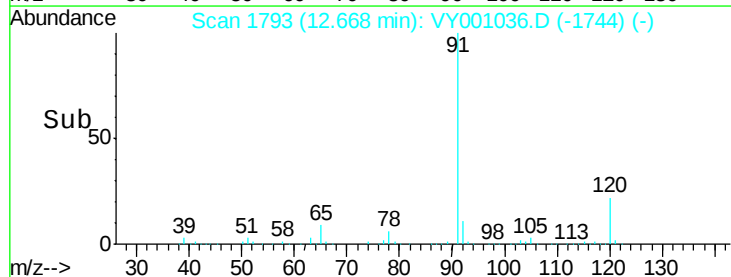
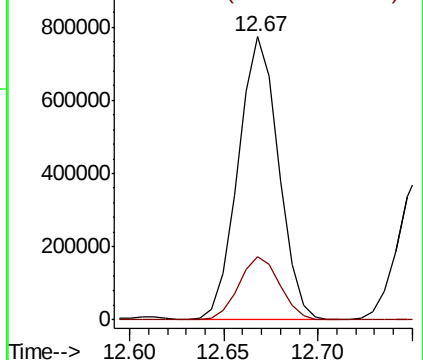
91 100

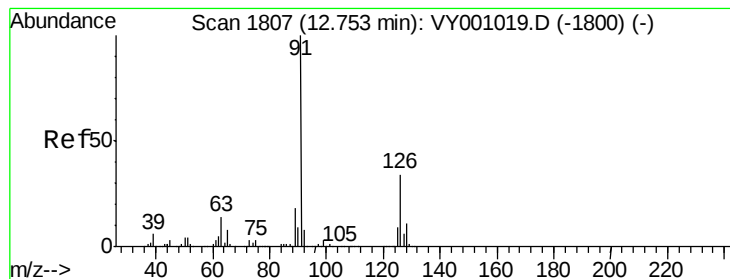
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.828 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

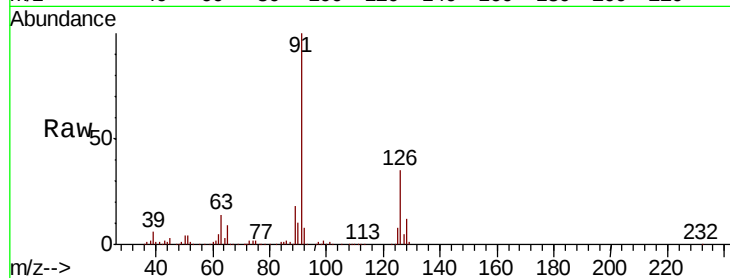
VSTDCCC050

Tgt Ion: 91 Resp: 619903

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)

600000

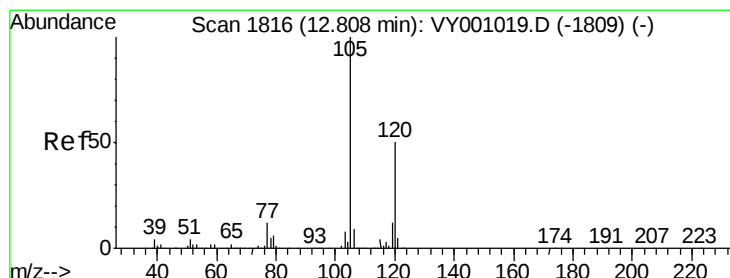
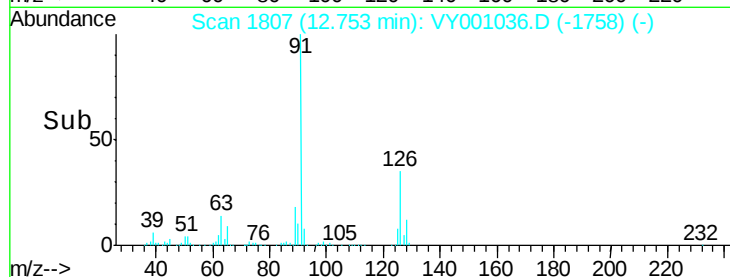
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.788 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001036.D

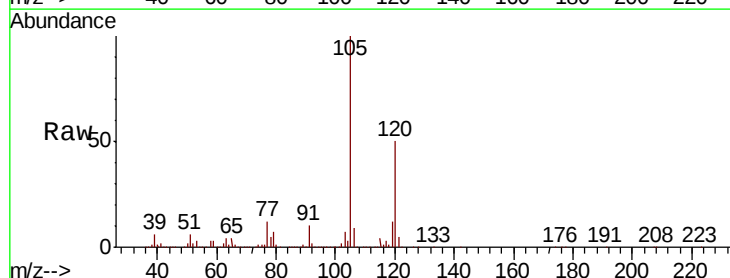
Acq: 24 Dec 2019 10:23

Tgt Ion: 105 Resp: 768853

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001019.D (-1809) (-)

600000

500000

400000

300000

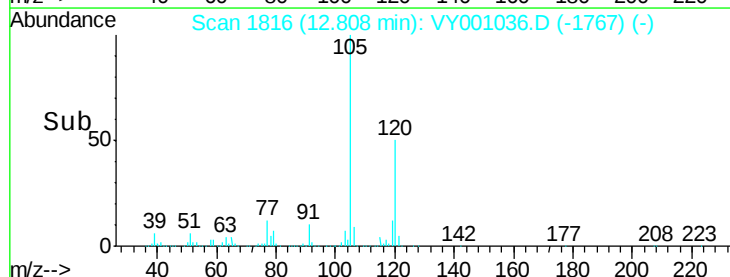
200000

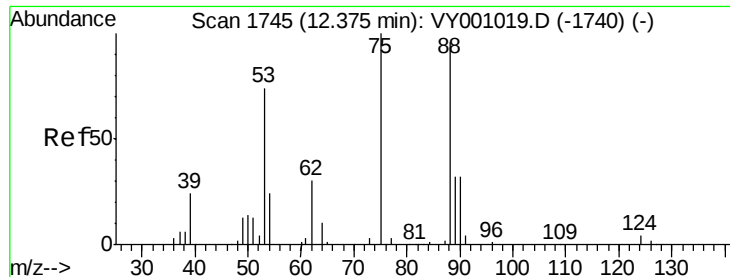
100000

0

12.80 12.81 12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.327 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

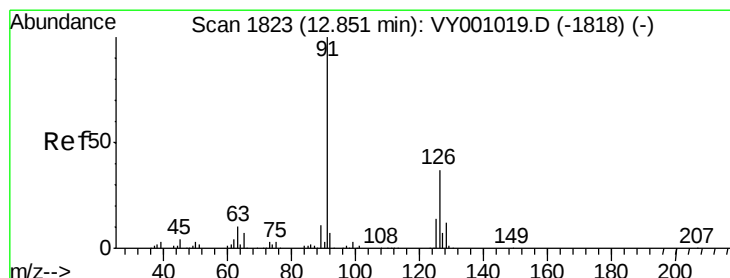
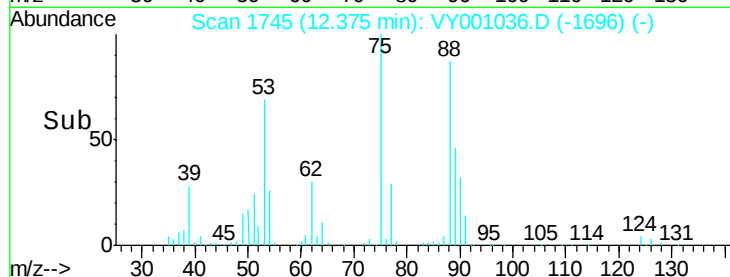
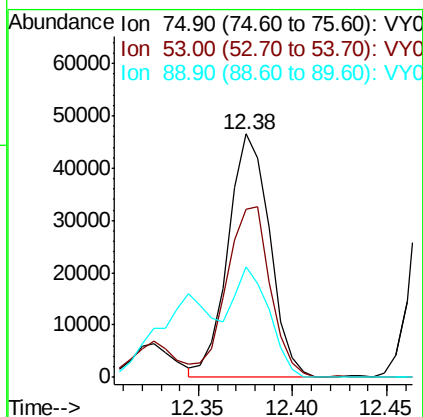
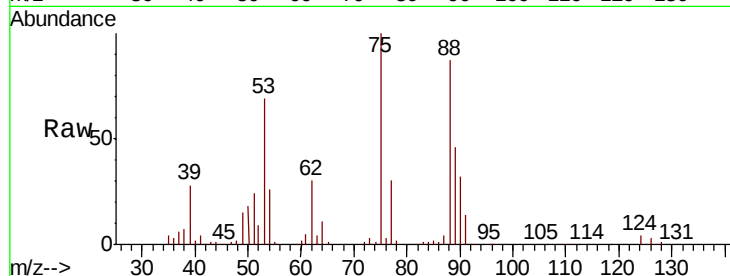
Tgt Ion: 75 Resp: 70764

Ion Ratio Lower Upper

75 100

53 74.9 60.6 91.0

89 38.8 35.4 53.0



#82

4-Chlorotoluene

Concen: 52.570 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001036.D

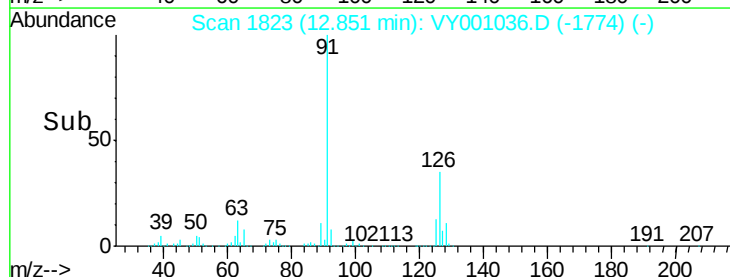
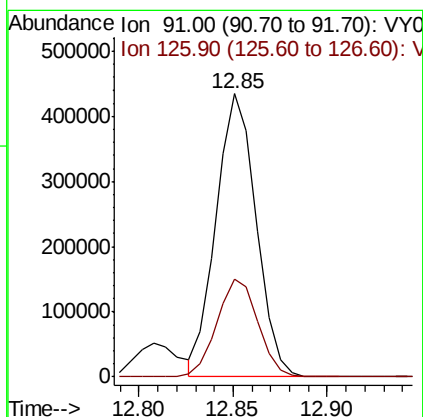
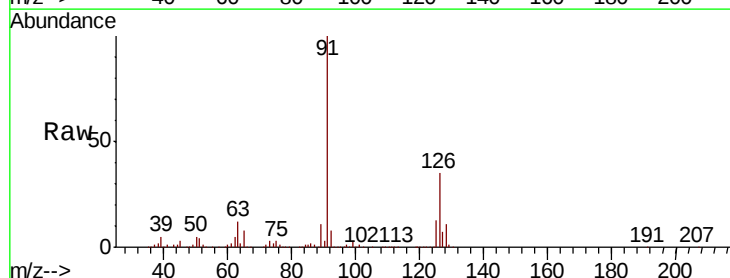
Acq: 24 Dec 2019 10:23

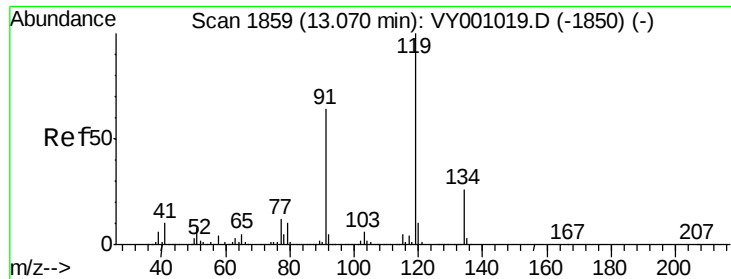
Tgt Ion: 91 Resp: 640732

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8

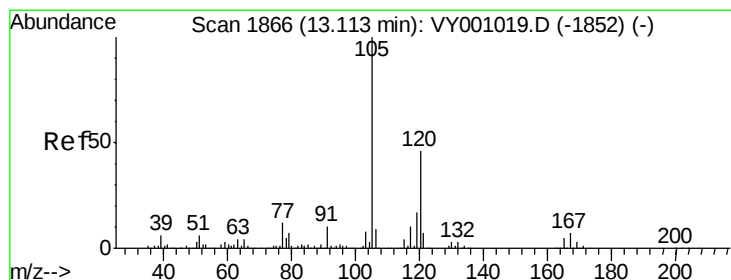
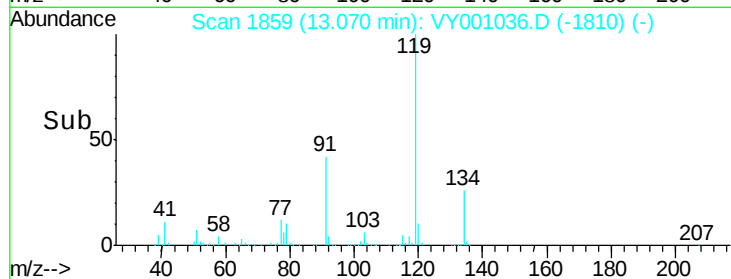
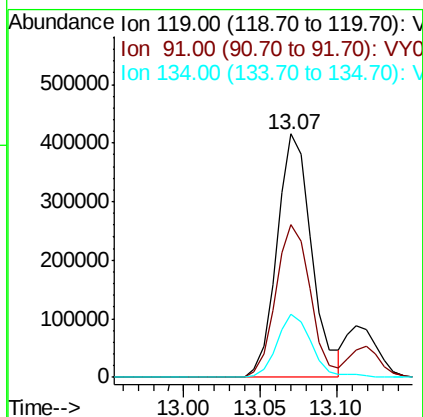
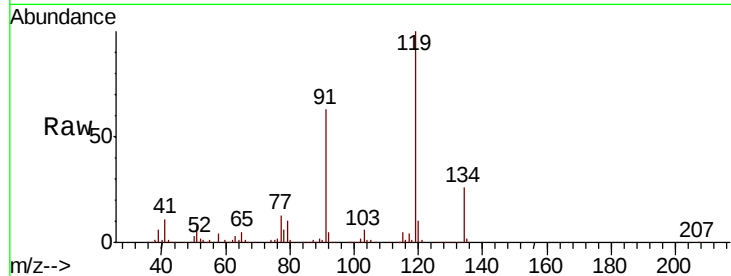




#83
 tert-Butylbenzene
 Concen: 54.364 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

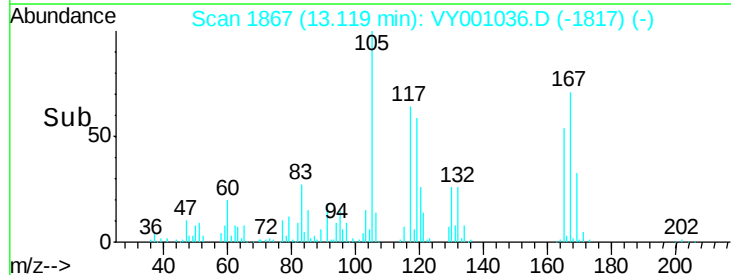
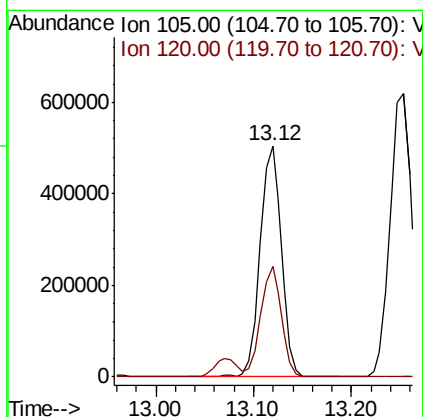
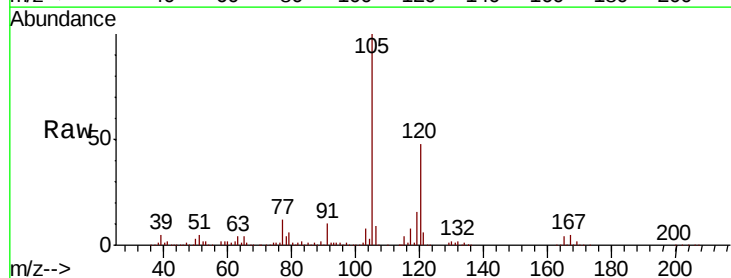
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

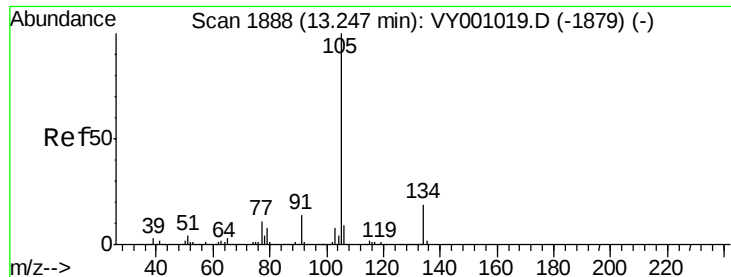
Tgt Ion:119 Resp: 652308
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.7
 134 26.0 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.452 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:105 Resp: 767776
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.2

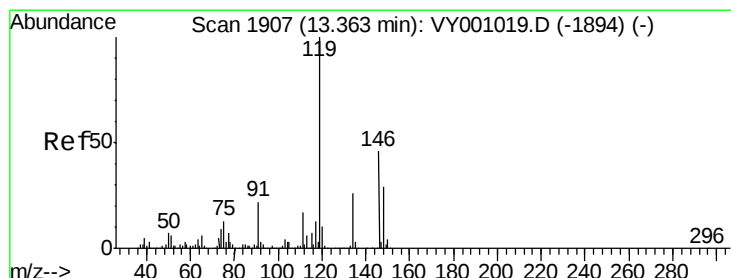
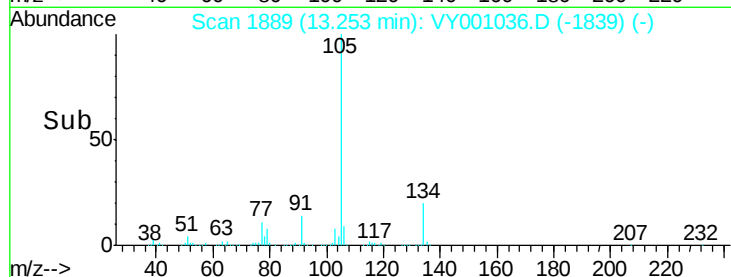
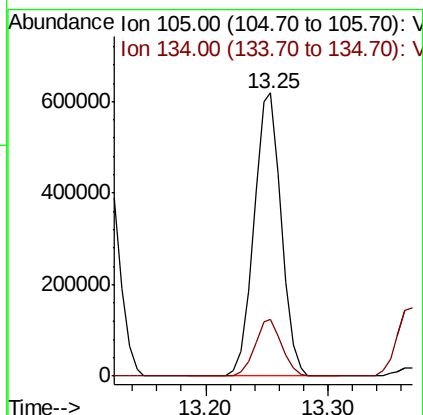
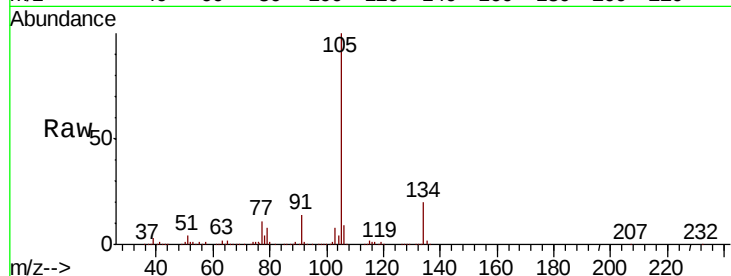




#85
 sec-Butylbenzene
 Concen: 54.065 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

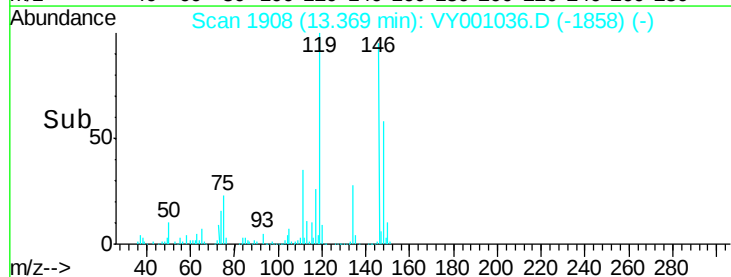
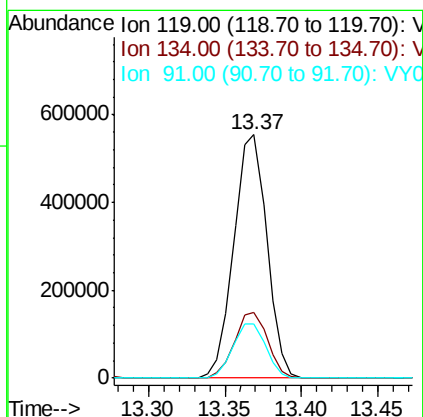
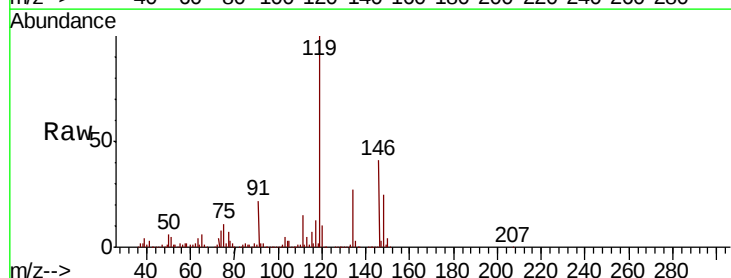
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

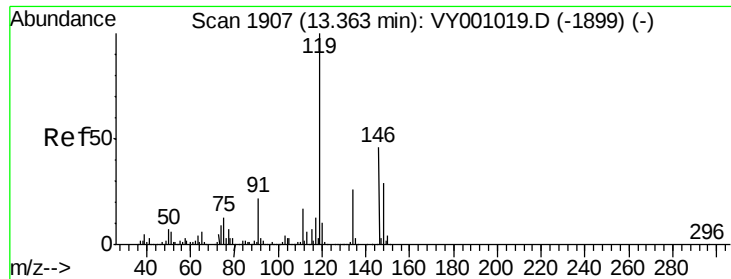
Tgt Ion:105 Resp: 956359
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 54.261 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:119 Resp: 830534
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.7
 91 22.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 53.308 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

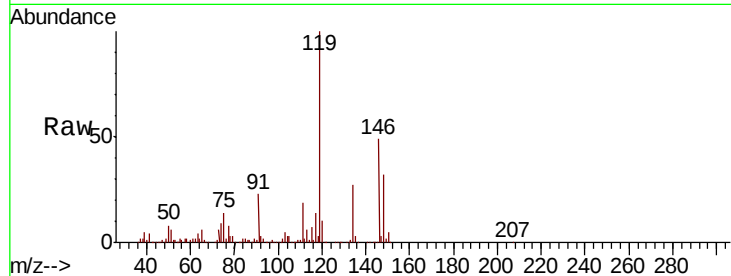
Tgt Ion:146 Resp: 401540

Ion Ratio Lower Upper

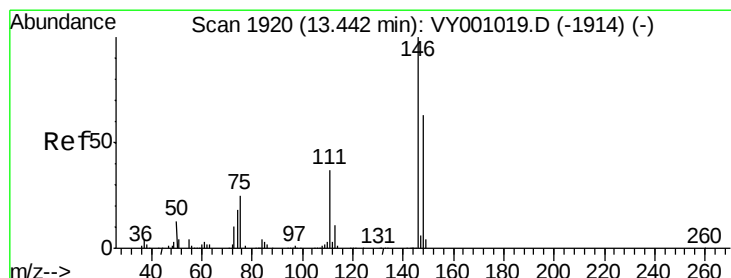
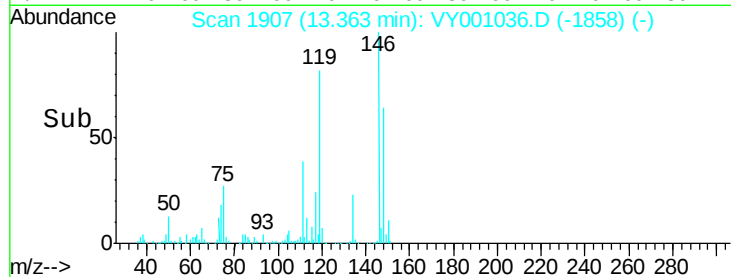
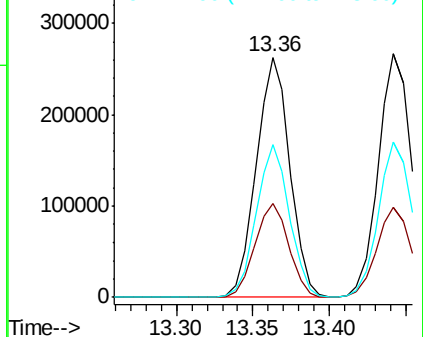
146 100

111 39.5 19.7 59.0

148 62.6 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: 52.861 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

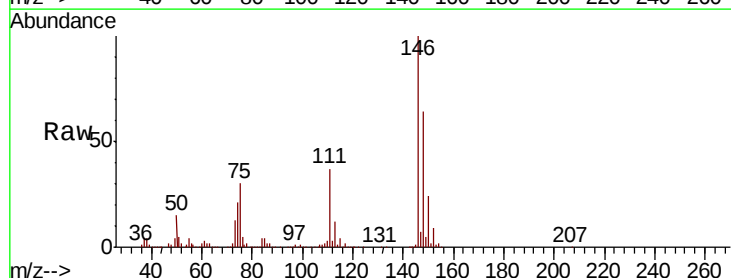
Tgt Ion:146 Resp: 401670

Ion Ratio Lower Upper

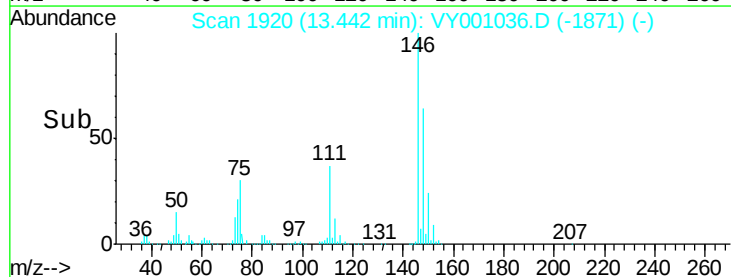
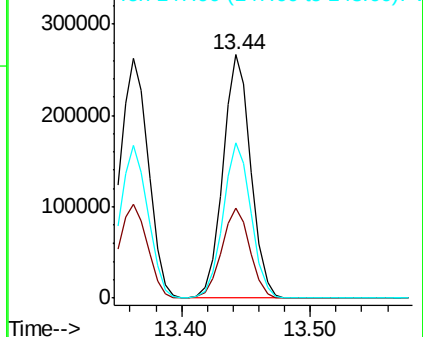
146 100

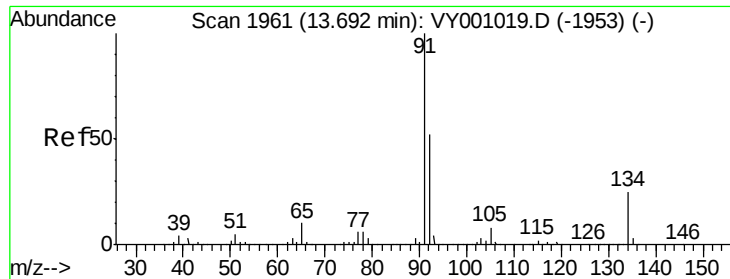
111 37.8 19.4 58.2

148 64.0 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

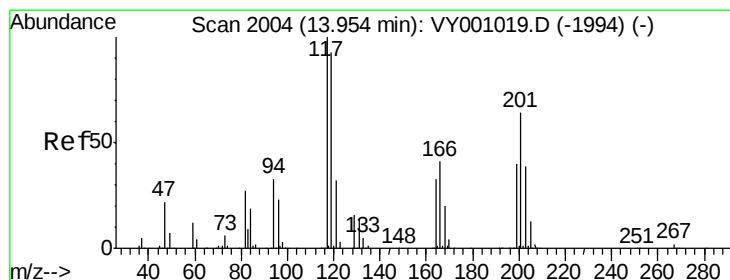
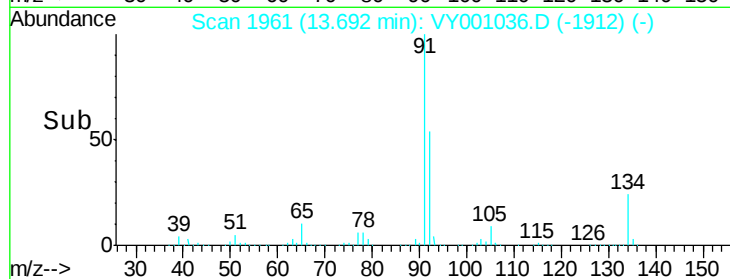
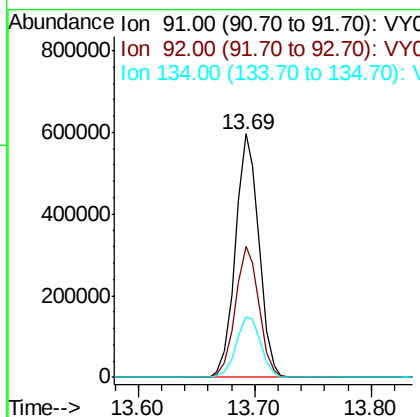
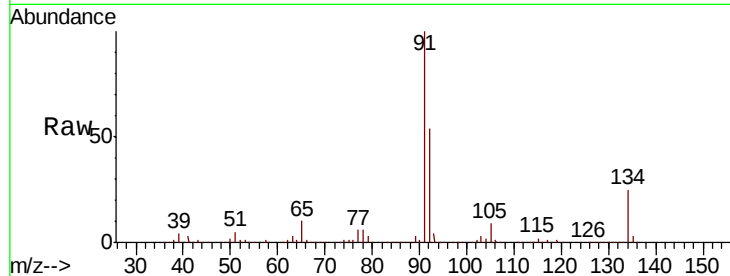




#89
n-Butylbenzene
Concen: 54.212 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

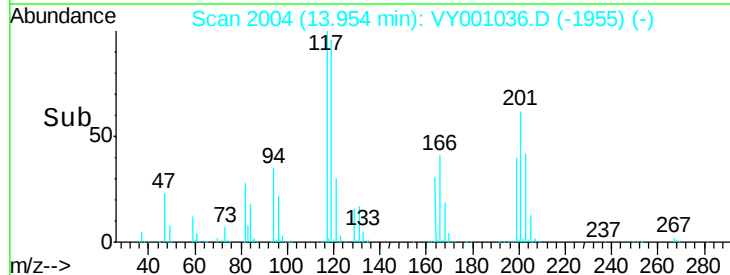
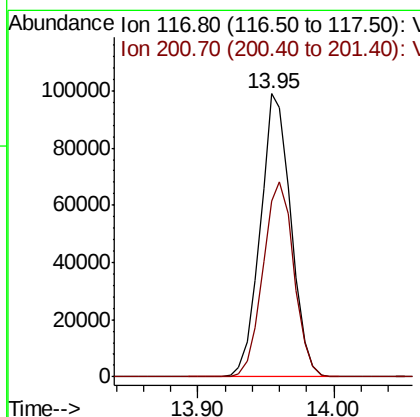
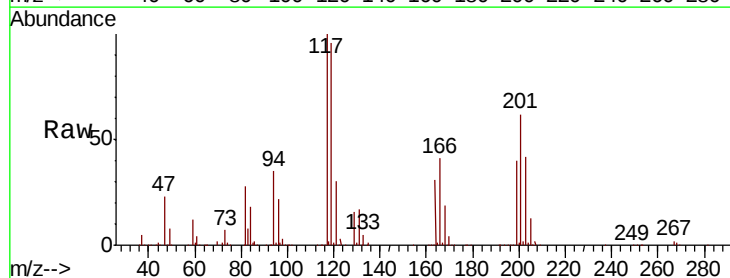
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

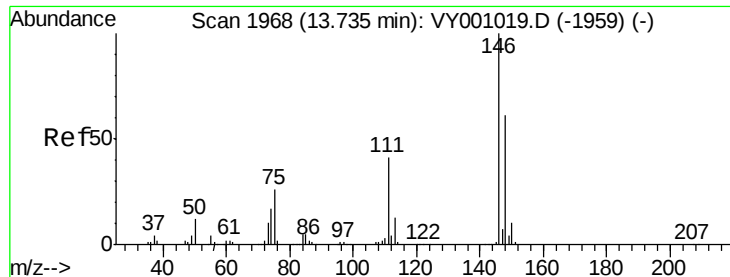
Tgt Ion: 91 Resp: 834857
Ion Ratio Lower Upper
91 100
92 54.0 26.9 80.7
134 25.9 12.7 38.0



#90
Hexachloroethane
Concen: 54.102 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 117 Resp: 156015
Ion Ratio Lower Upper
117 100
201 69.8 33.7 101.1





#91

1,2-Dichlorobenzene

Concen: 52.836 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

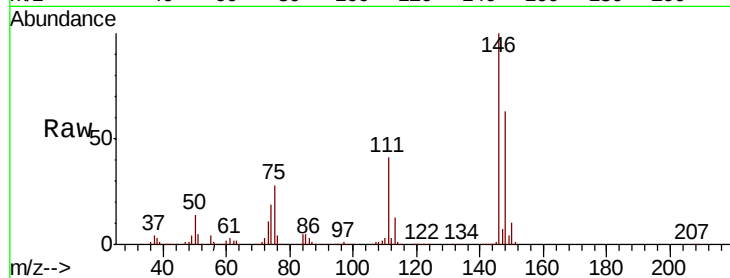
Tgt Ion:146 Resp: 367117

Ion Ratio Lower Upper

146 100

111 40.9 20.6 61.9

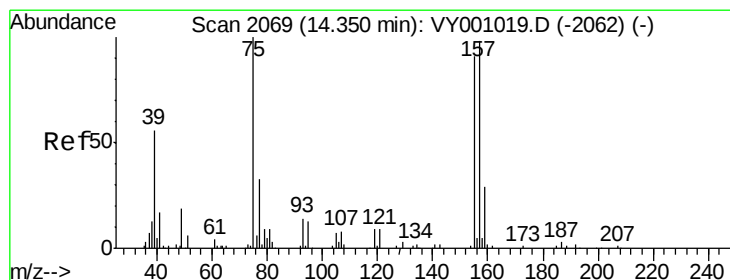
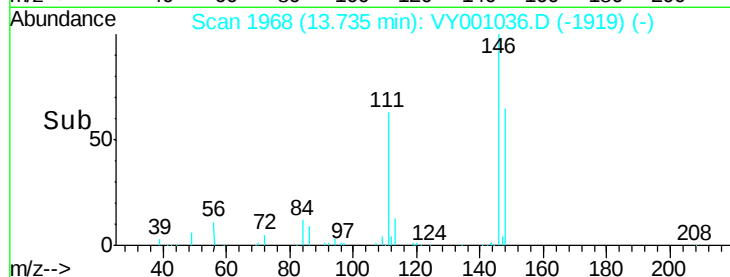
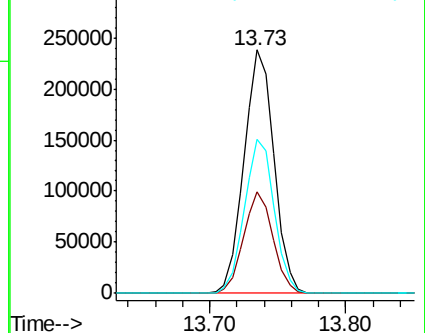
148 62.7 31.6 94.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.808 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

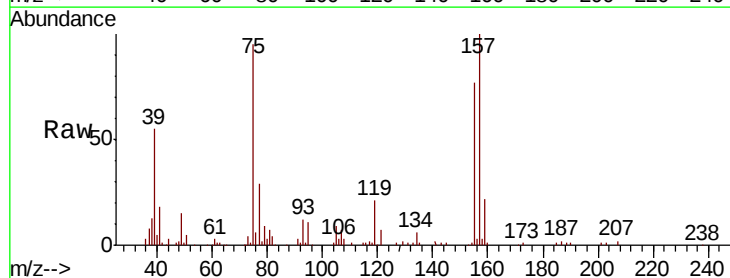
Tgt Ion: 75 Resp: 29777

Ion Ratio Lower Upper

75 100

155 91.6 46.3 138.9

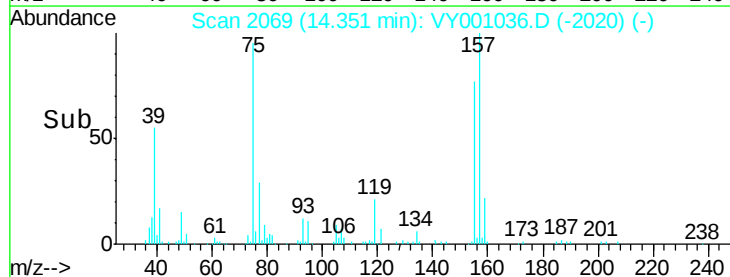
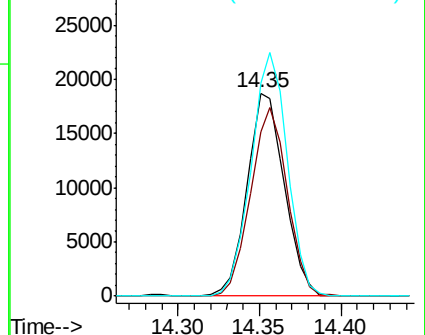
157 116.7 58.1 174.4

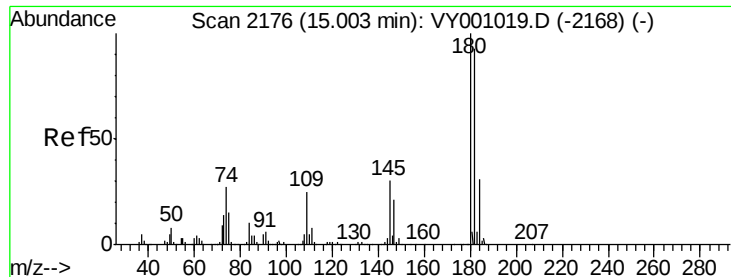


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

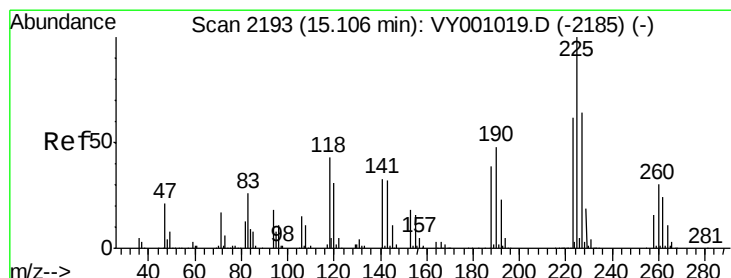
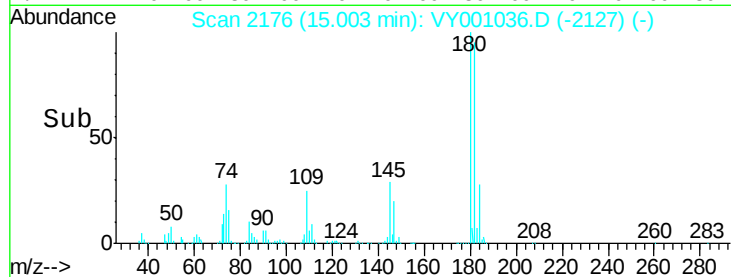
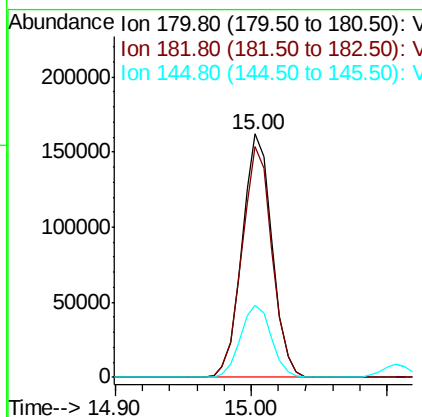
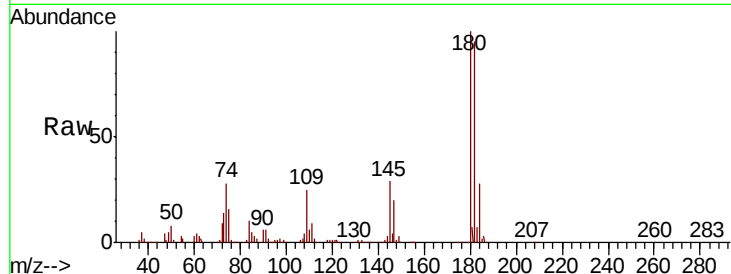




#93
 1,2,4-Trichlorobenzene
 Concen: 53.113 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

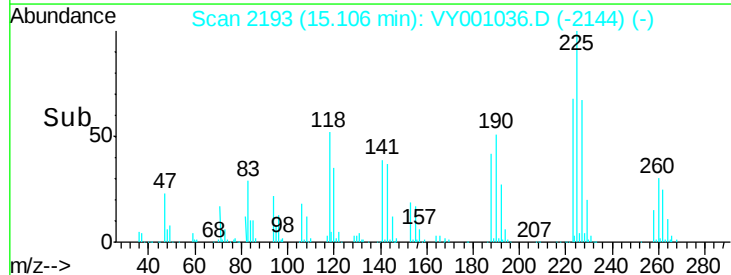
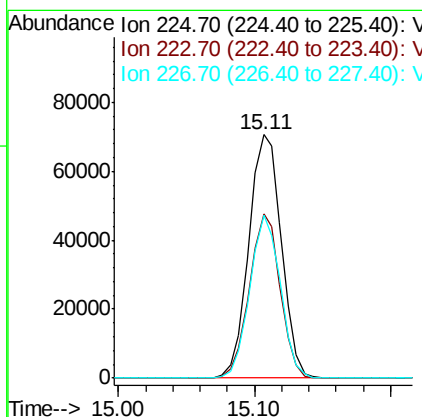
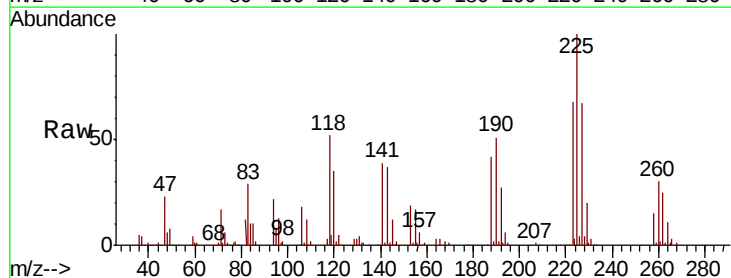
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

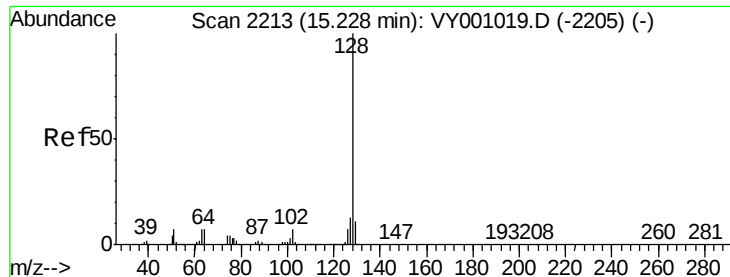
Tgt Ion:180 Resp: 249098
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.8 140.3
 145 30.6 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 53.033 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:225 Resp: 118358
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.6 94.8
 227 62.8 31.9 95.5

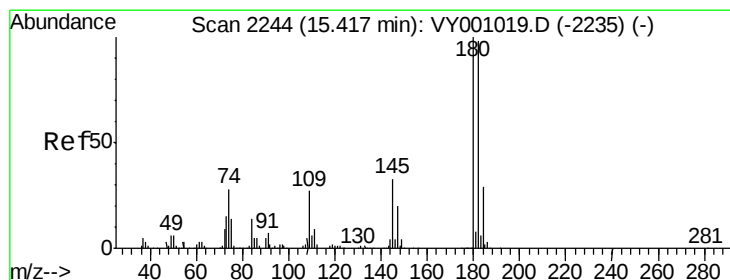
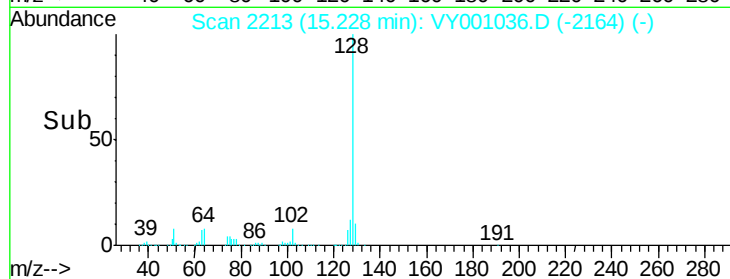
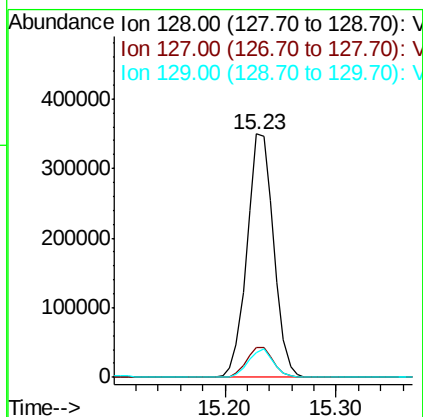
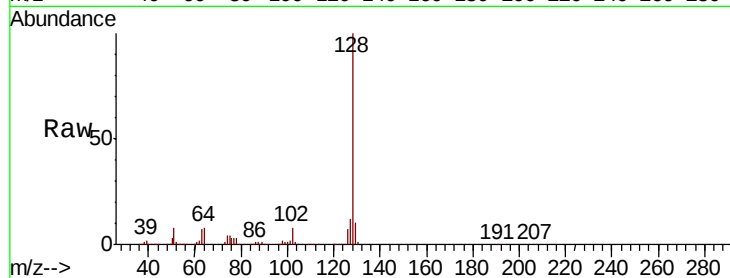




#95
Naphthalene
Concen: 52.604 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 580192
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.753 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion:180 Resp: 220640
Ion Ratio Lower Upper
180 100
182 94.4 47.9 143.8
145 32.8 16.3 48.9

