

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
 Data File : VY001916.D
 Acq On : 09 Mar 2020 18:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 10 11:55:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	166899	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	308307	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	275924	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	124867	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	91316	51.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.73	113	86145	51.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.18	98	359164	50.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.48	95	123342	49.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	66241	43.00	ug/l	98
3) Chloromethane	2.12	50	97079	46.74	ug/l	99
4) Vinyl Chloride	2.26	62	98747	46.74	ug/l	97
5) Bromomethane	2.66	94	65987	53.94	ug/l	99
6) Chloroethane	2.80	64	64118	48.31	ug/l	95
7) Trichlorofluoromethane	3.13	101	133268	46.51	ug/l	97
8) Diethyl Ether	3.54	74	55813	49.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	88859	48.22	ug/l	99
10) Methyl Iodide	4.10	142	102552	48.12	ug/l	99
11) Tert butyl alcohol	4.97	59	42107	224.82	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	87858	47.35	ug/l	94
13) Acrolein	3.74	56	47863	191.16	ug/l	98
14) Allyl chloride	4.49	41	163936	49.83	ug/l	99
15) Acrylonitrile	5.18	53	139864	231.77	ug/l	99
16) Acetone	3.96	43	105654	203.59	ug/l	99
17) Carbon Disulfide	4.21	76	288002	46.17	ug/l	98
18) Methyl Acetate	4.49	43	60301	45.22	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	246140	48.95	ug/l	95
20) Methylene Chloride	4.73	84	107346	48.26	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	102246	48.55	ug/l	95
22) Diisopropyl ether	6.13	45	343851	50.99	ug/l	98
23) Vinyl Acetate	6.08	43	1086034	245.67	ug/l	99
24) 1,1-Dichloroethane	6.04	63	181748	49.77	ug/l	100
25) 2-Butanone	7.00	43	173539	219.90	ug/l	100
26) 2,2-Dichloropropane	7.00	77	145170	48.44	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	114003	49.76	ug/l	98
28) Bromochloromethane	7.35	49	88821	53.96	ug/l	99
29) Tetrahydrofuran	7.36	42	118690	226.48	ug/l	100
30) Chloroform	7.52	83	171821	50.08	ug/l	99
31) Cyclohexane	7.79	56	181710	46.41	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	144829	50.09	ug/l	98
36) 1,1-Dichloropropene	7.93	75	141363	47.65	ug/l	99
37) Ethyl Acetate	7.09	43	80330	46.59	ug/l	100
38) Carbon Tetrachloride	7.91	117	122862	48.48	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	186560	47.41	ug/l	96
40) Benzene	8.17	78	427453	48.61	ug/l	99
41) Methacrylonitrile	7.35	41	107444	138.46	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	110539	48.78	ug/l	99
43) Isopropyl Acetate	8.28	43	152299	46.65	ug/l	99
44) Trichloroethene	8.94	130	104415	48.75	ug/l	96
45) 1,2-Dichloropropane	9.22	63	109594	49.58	ug/l	97
46) Dibromomethane	9.31	93	54557	47.89	ug/l	99
47) Bromodichloromethane	9.50	83	132275	49.92	ug/l	100
48) Methyl methacrylate	9.30	41	68266	47.12	ug/l	95
49) 1,4-Dioxane	9.30	88	13682	876.52	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	393997	234.31	ug/l	100
52) Toluene	10.25	92	262214	49.09	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	142499	49.36	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	169003	49.17	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	81135	48.67	ug/l	98
56) Ethyl methacrylate	10.51	69	119473	48.89	ug/l	99
57) 1,3-Dichloropropane	10.79	76	141995	47.78	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	194943	224.99	ug/l	99
59) 2-Hexanone	10.83	43	268558	223.76	ug/l	99
60) Dibromochloromethane	10.99	129	86803	49.41	ug/l	98
61) 1,2-Dibromoethane	11.09	107	74867	47.41	ug/l	99
64) Tetrachloroethene	10.72	164	82640	47.76	ug/l	96
65) Chlorobenzene	11.52	112	265333	48.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	90020	49.93	ug/l	99
67) Ethyl Benzene	11.59	91	498716	48.64	ug/l	98
68) m/p-Xylenes	11.70	106	370088	97.63	ug/l	100
69) o-Xylene	12.03	106	177142	49.58	ug/l	98
70) Styrene	12.04	104	305627	49.94	ug/l	99
71) Bromoform	12.20	173	47278	48.35	ug/l #	99
73) Isopropylbenzene	12.33	105	473123	49.64	ug/l	100
74) N-amyl acetate	12.14	43	139891	47.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	97639	47.50	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	125701	84.84	ug/l #	100
77) Bromobenzene	12.61	156	99394	49.22	ug/l	98
78) n-propylbenzene	12.67	91	586065	49.84	ug/l	100
79) 2-Chlorotoluene	12.75	91	323187	49.74	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	393232	50.11	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	34900	47.58	ug/l	98
82) 4-Chlorotoluene	12.85	91	333512	49.30	ug/l	100
83) tert-Butylbenzene	13.08	119	331110	50.80	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	389291	49.99	ug/l	99
85) sec-Butylbenzene	13.25	105	479368	49.90	ug/l	100
86) p-Isopropyltoluene	13.37	119	414740	50.05	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	194276	49.09	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	195243	48.63	ug/l	99
89) n-Butylbenzene	13.70	91	426371	49.59	ug/l	99
90) Hexachloroethane	13.96	117	79095	50.59	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	177061	49.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14695	45.81	ug/l	98

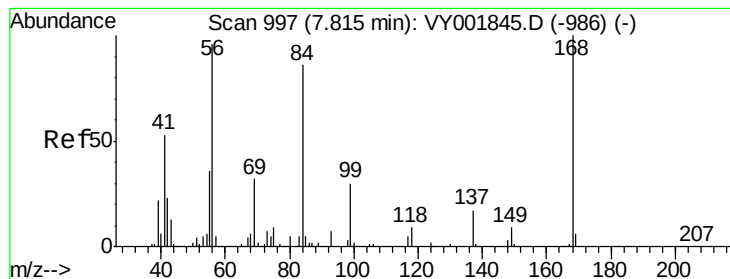
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	112525	48.26	ug/l	98
94) Hexachlorobutadiene	15.11	225	54928	48.32	ug/l	99
95) Naphthalene	15.23	128	260856	47.17	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	99188	48.29	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

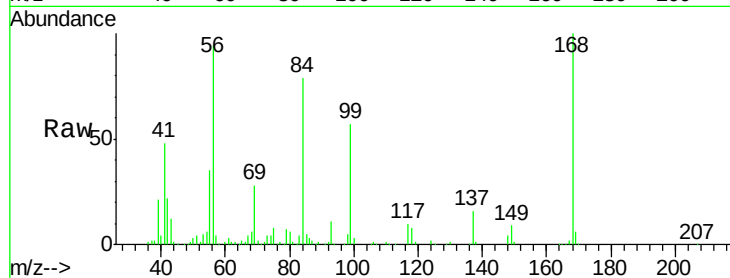
VSTDCCC050EC

Tgt Ion:168 Resp: 166899

Ion Ratio Lower Upper

168 100

99 56.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.80

80000

60000

40000

20000

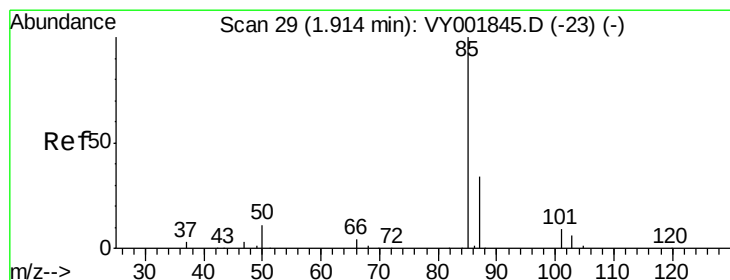
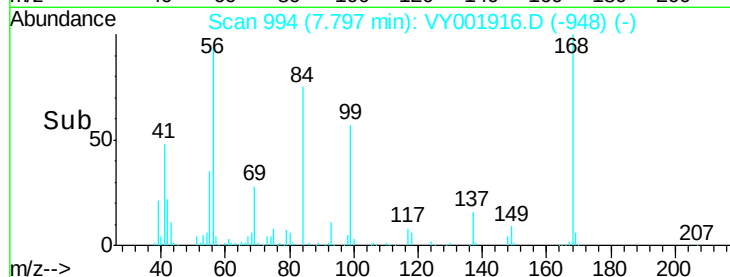
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 43.00 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001916.D

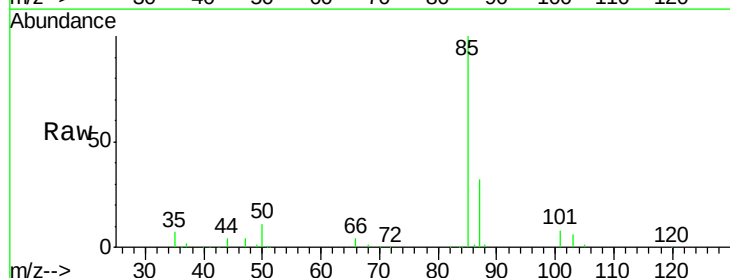
Acq: 09 Mar 2020 18:16

Tgt Ion: 85 Resp: 66241

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

50000

40000

30000

20000

10000

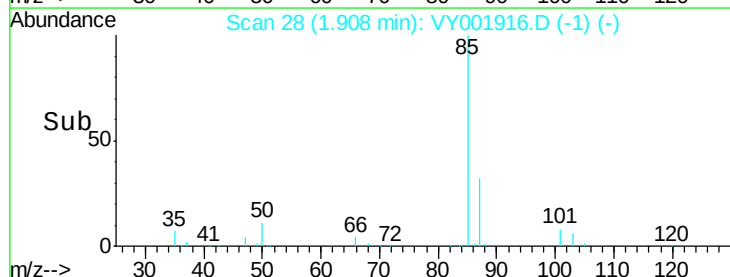
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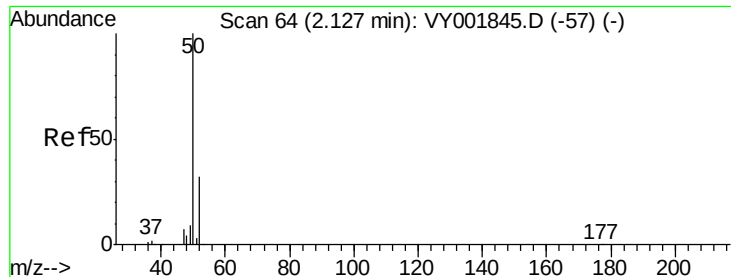
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 46.74 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

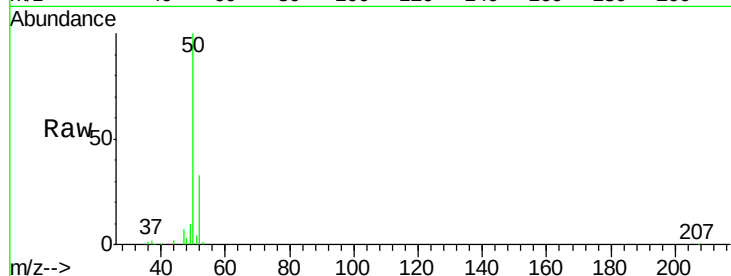
VSTDCCC050EC

Tgt Ion: 50 Resp: 97079

Ion Ratio Lower Upper

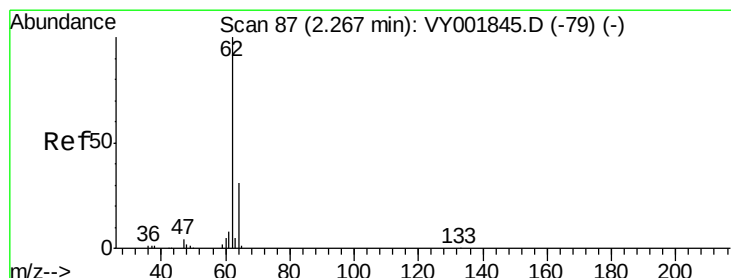
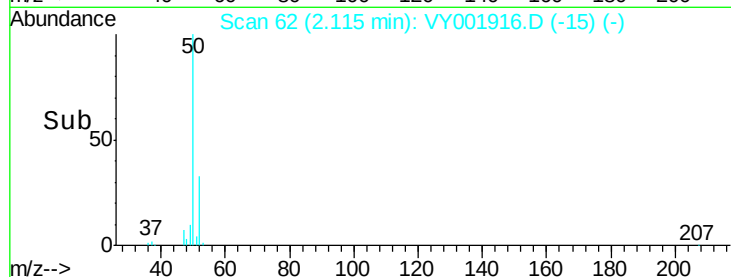
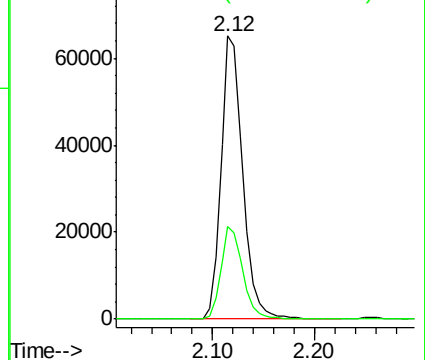
50 100

52 32.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 46.74 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001916.D

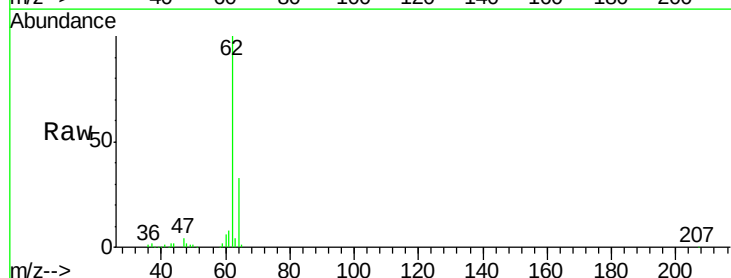
Acq: 09 Mar 2020 18:16

Tgt Ion: 62 Resp: 98747

Ion Ratio Lower Upper

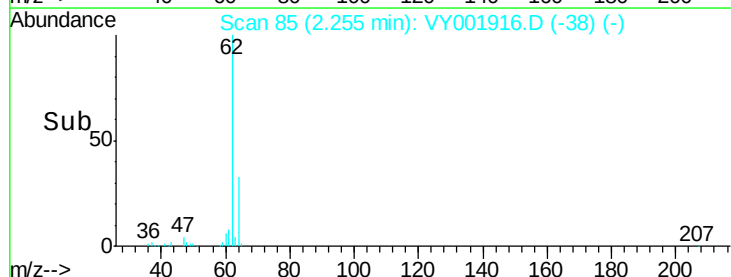
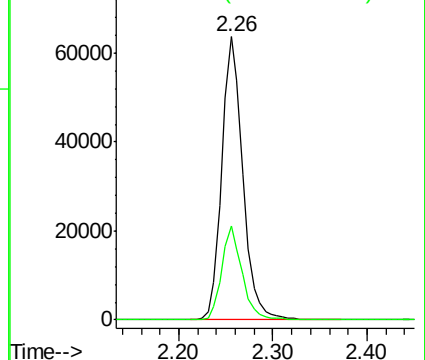
62 100

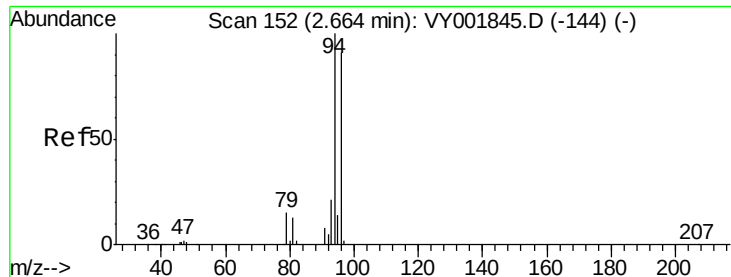
64 33.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 53.94 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

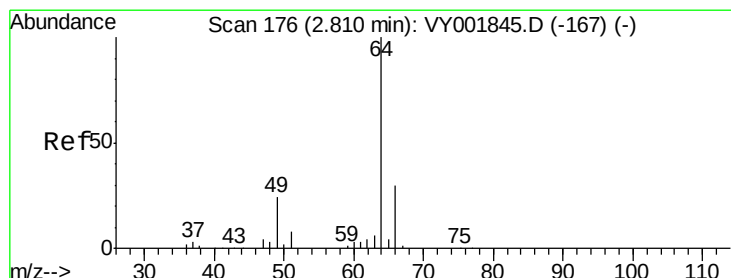
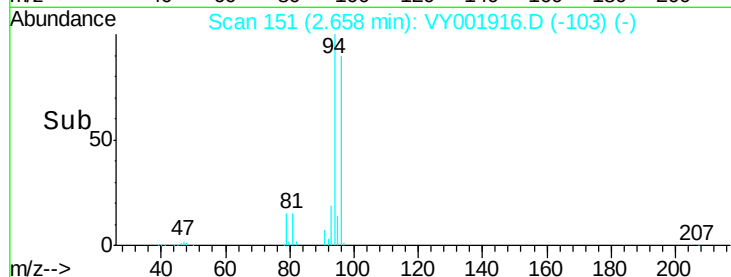
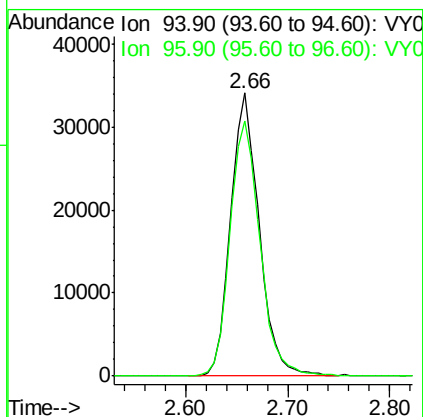
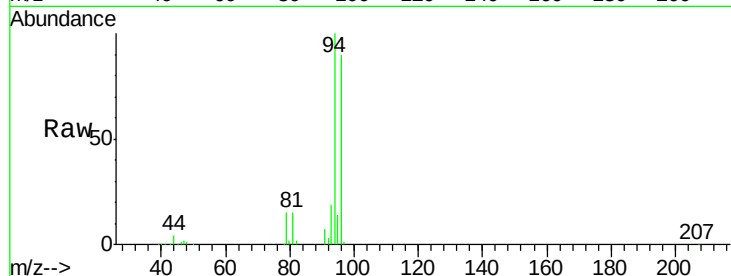
VSTDCCC050EC

Tgt Ion: 94 Resp: 65987

Ion Ratio Lower Upper

94 100

96 90.2 73.2 109.8



#6

Chloroethane

Concen: 48.31 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001916.D

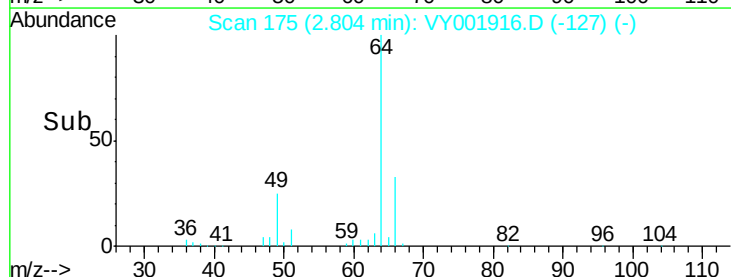
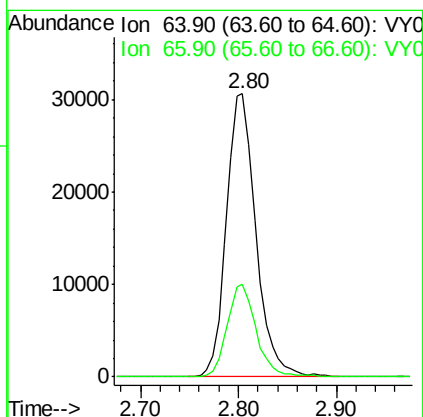
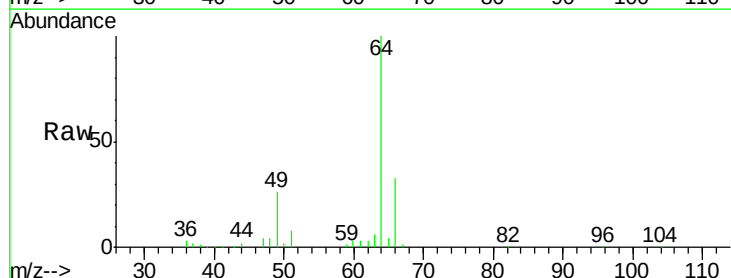
Acq: 09 Mar 2020 18:16

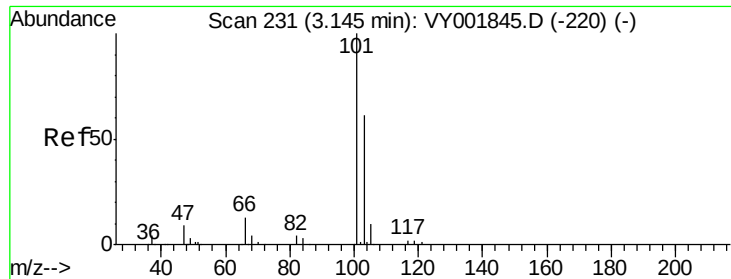
Tgt Ion: 64 Resp: 64118

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8



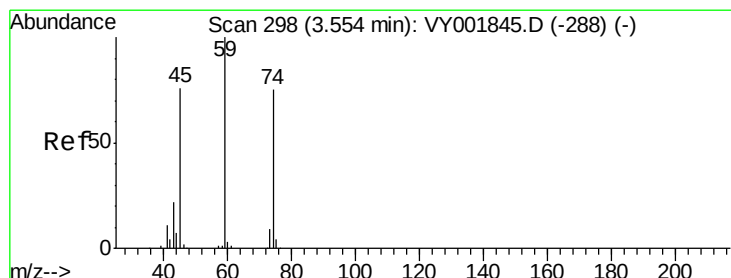
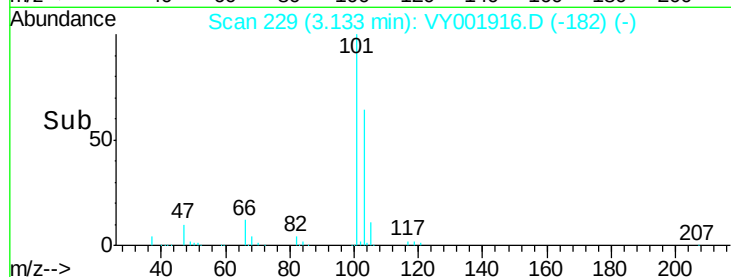
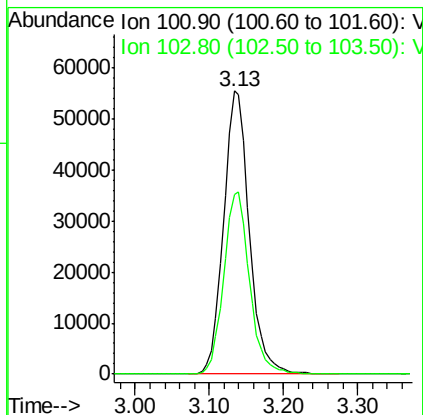
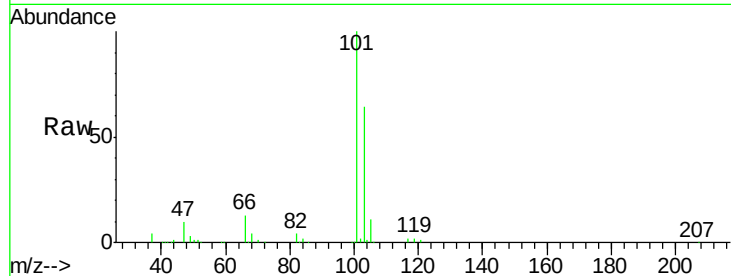


#7

Trichlorofluoromethane
 Concen: 46.51 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

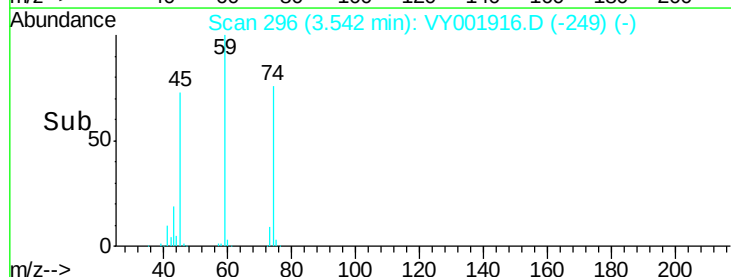
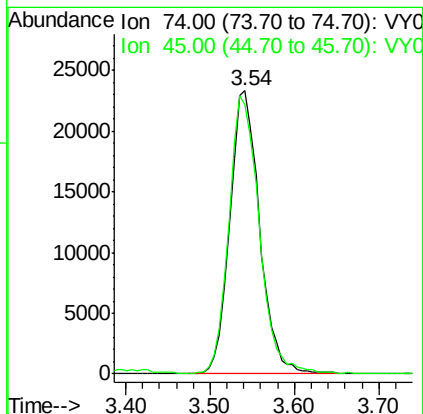
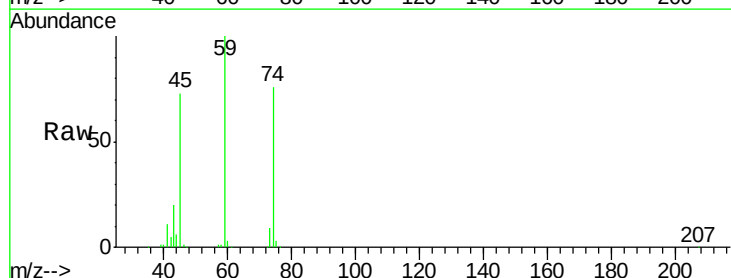
Tgt Ion:101 Resp: 133268
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.1 73.7

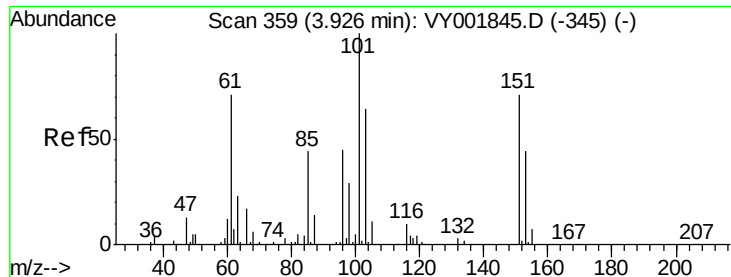


#8

Diethyl Ether
 Concen: 49.42 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 74 Resp: 55813
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.22 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

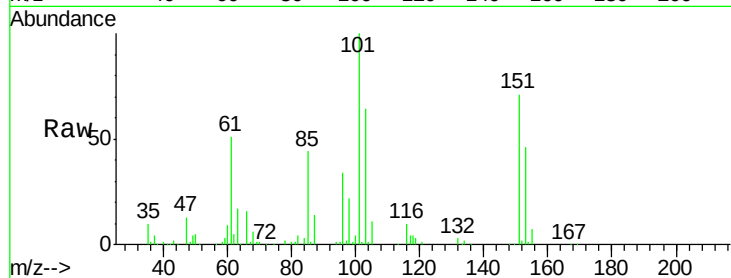
Tgt Ion:101 Resp: 88859

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

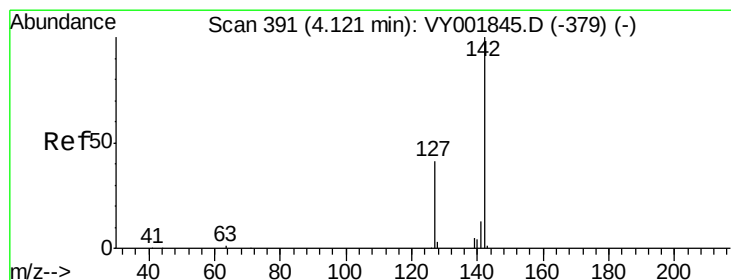
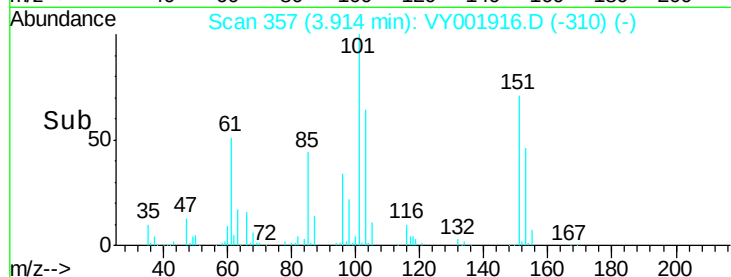
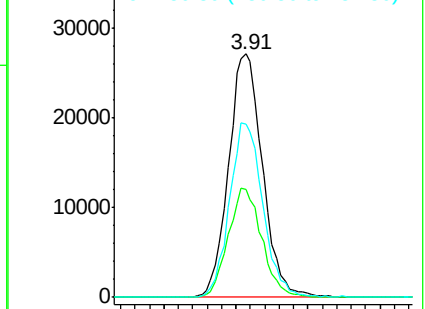
151 70.4 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.12 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

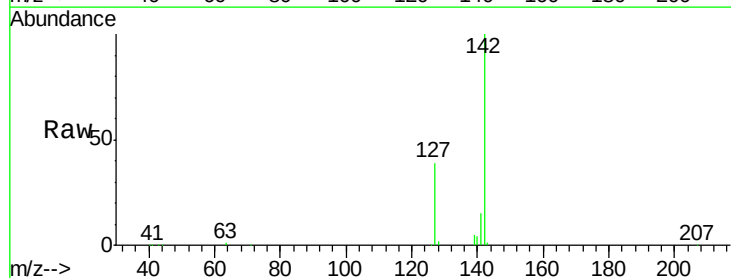
Tgt Ion:142 Resp: 102552

Ion Ratio Lower Upper

142 100

127 41.0 32.7 49.1

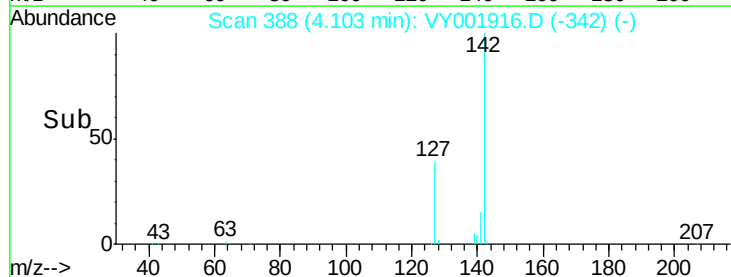
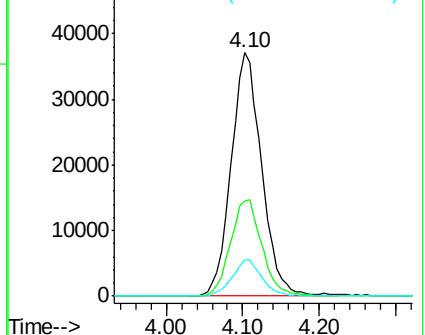
141 14.4 11.0 16.6

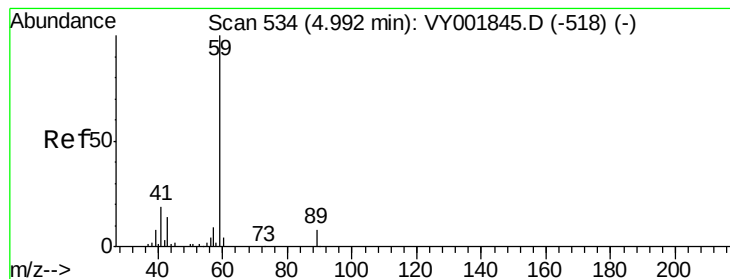


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



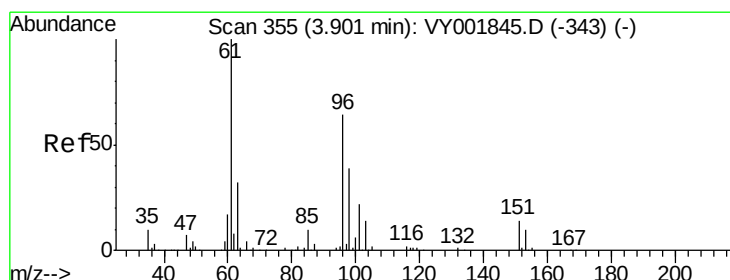
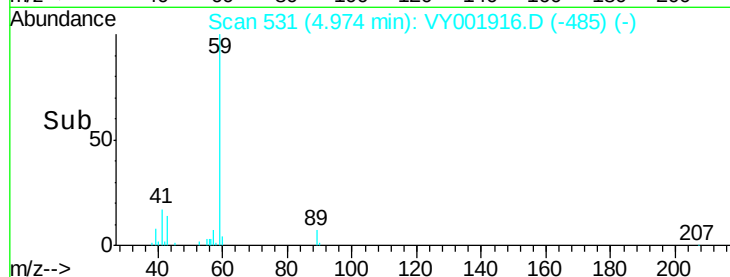
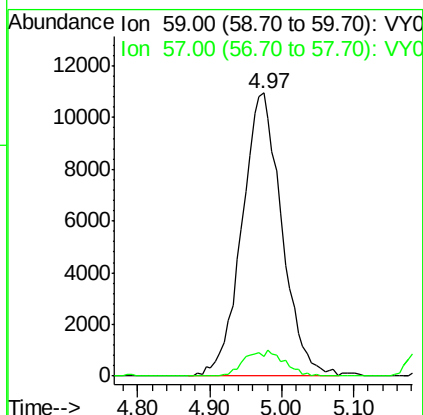
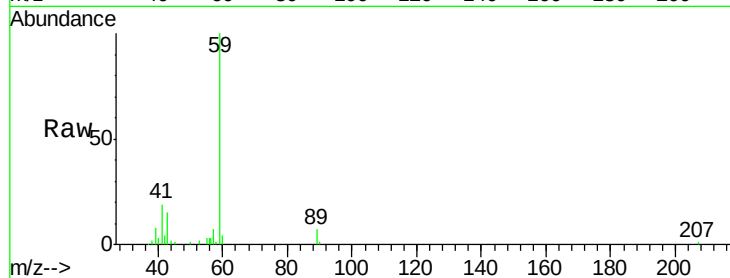


#11

Tert butyl alcohol
 Concen: 224.82 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

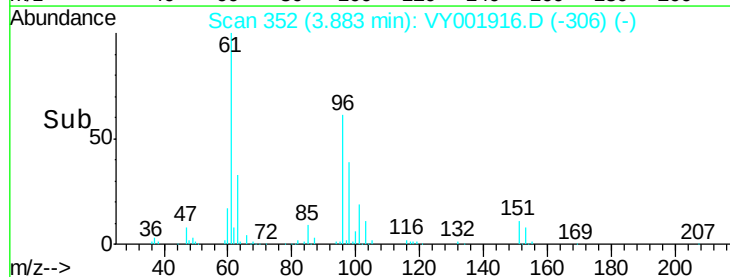
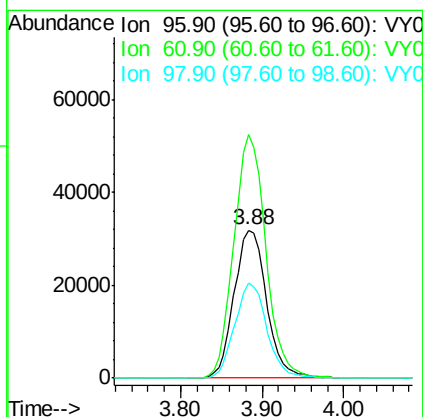
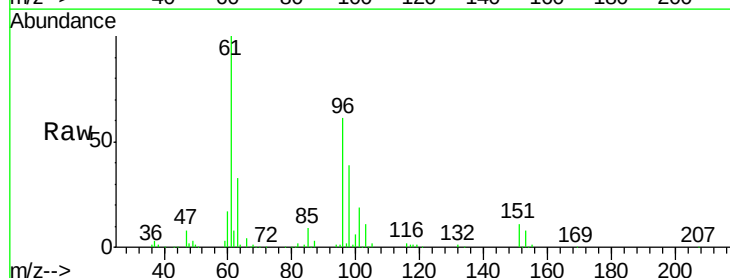
Tgt Ion: 59 Resp: 42107
 Ion Ratio Lower Upper
 59 100
 57 4.6 7.4 11.2#

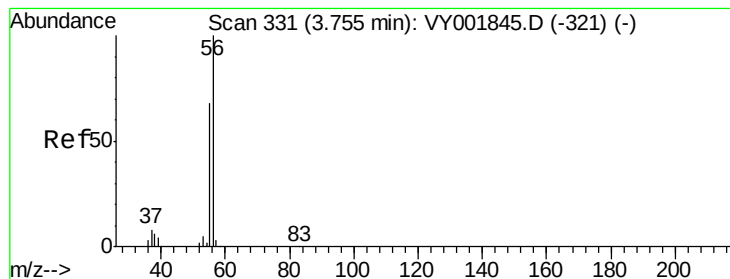


#12

1,1-Dichloroethene
 Concen: 47.35 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 96 Resp: 87858
 Ion Ratio Lower Upper
 96 100
 61 164.9 124.8 187.2
 98 64.3 49.2 73.8





#13

Acrolein

Concen: 191.16 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

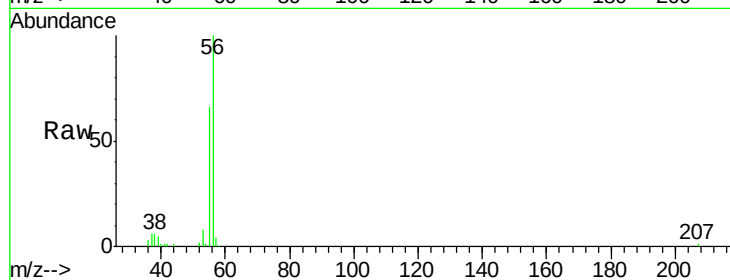
VSTDCCC050EC

Tgt Ion: 56 Resp: 47863

Ion Ratio Lower Upper

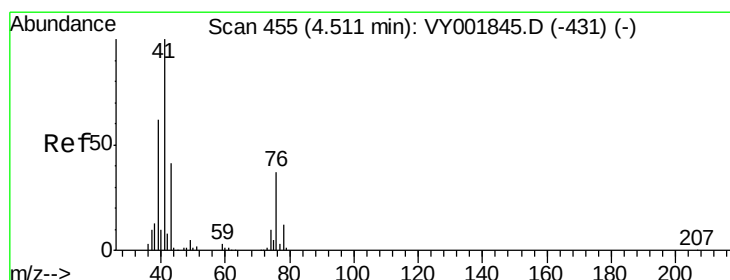
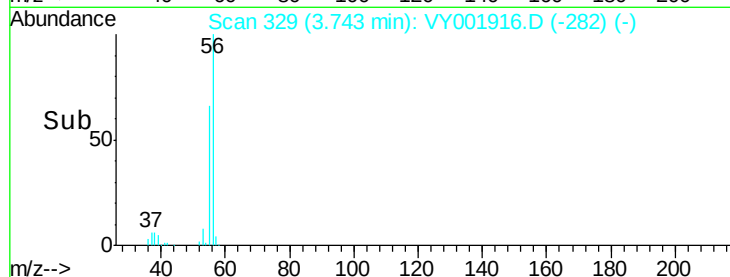
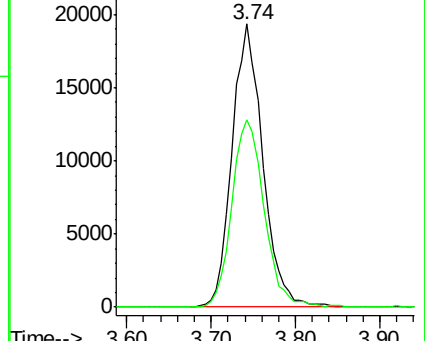
56 100

55 69.3 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 49.83 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

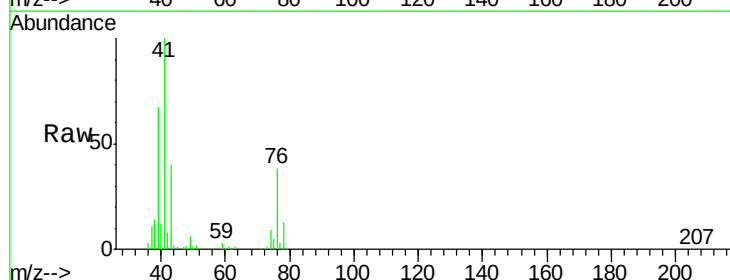
Tgt Ion: 41 Resp: 163936

Ion Ratio Lower Upper

41 100

39 62.5 49.0 73.6

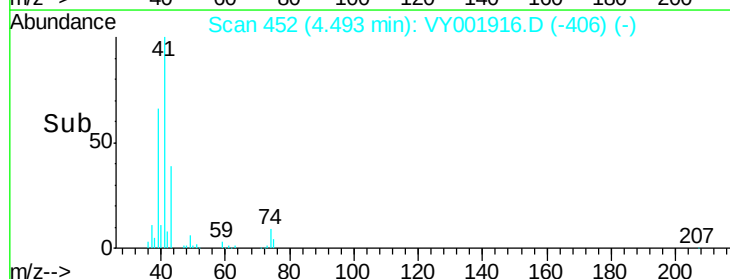
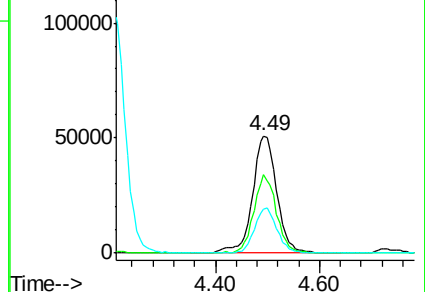
76 35.5 28.9 43.3

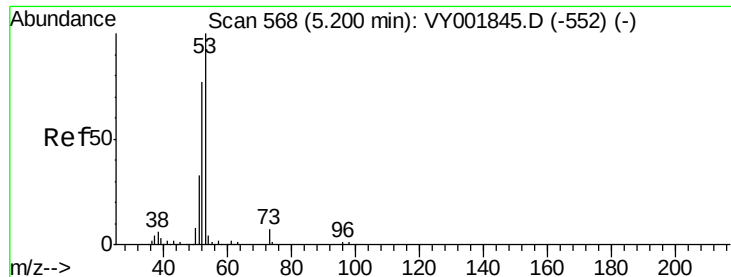


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 231.77 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

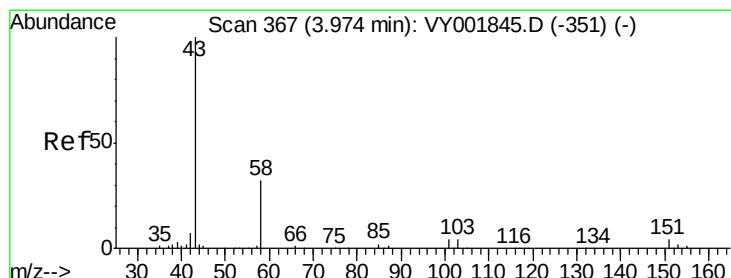
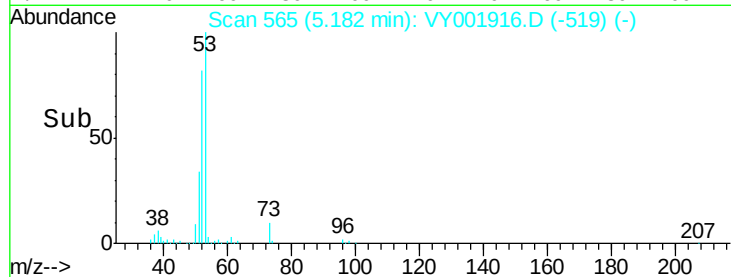
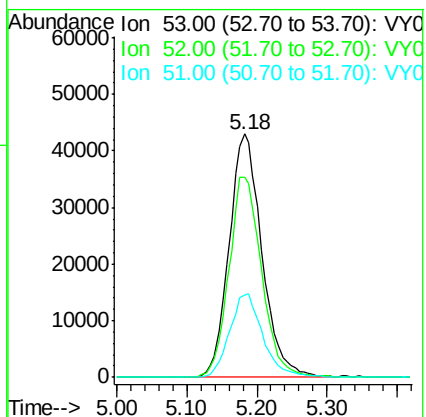
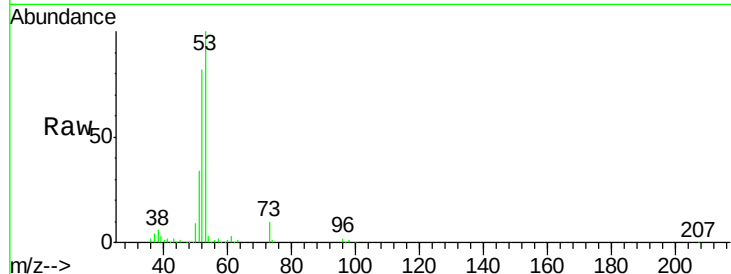
Tgt Ion: 53 Resp: 139864

Ion Ratio Lower Upper

53 100

52 82.3 65.1 97.7

51 35.0 27.5 41.3



#16

Acetone

Concen: 203.59 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001916.D

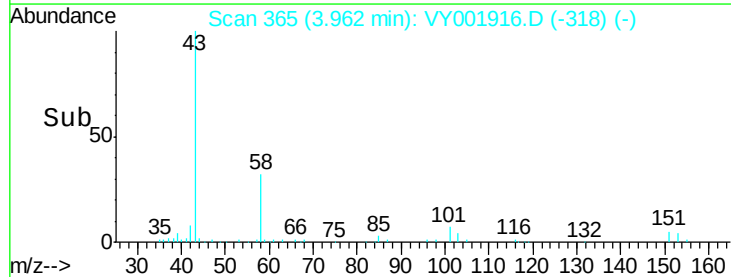
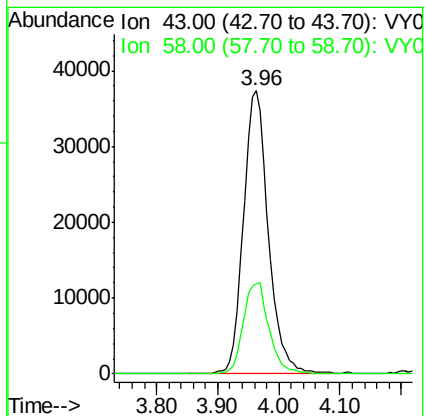
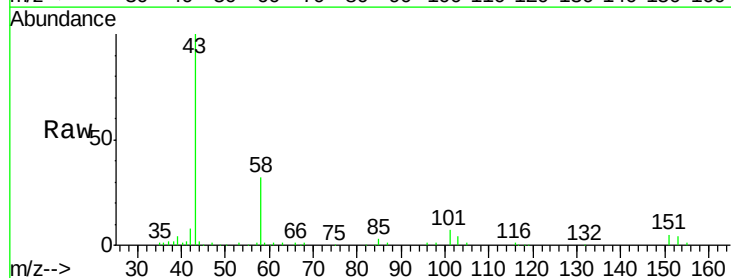
Acq: 09 Mar 2020 18:16

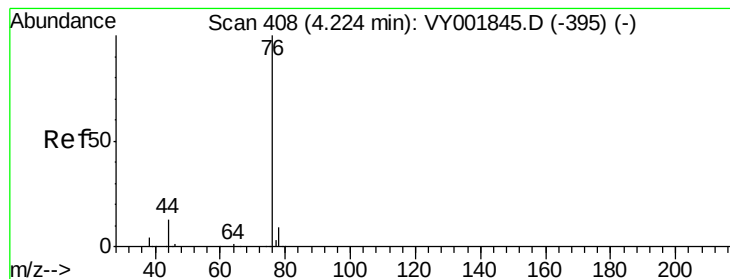
Tgt Ion: 43 Resp: 105654

Ion Ratio Lower Upper

43 100

58 32.0 25.9 38.9





#17

Carbon Disulfide

Concen: 46.17 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

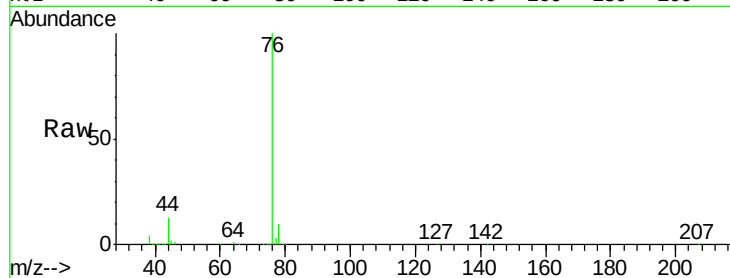
VSTDCCC050EC

Tgt Ion: 76 Resp: 288002

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY001916.D (-405) (-)

Ion 77.90 (77.60 to 78.60): VY001916.D (-405) (-)

4.21

120000

100000

80000

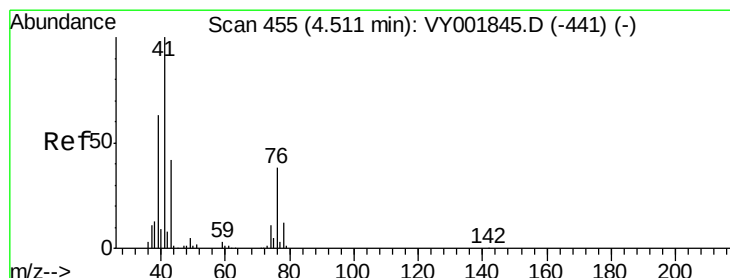
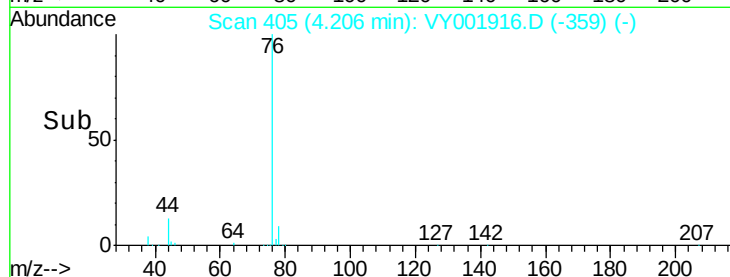
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.22 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001916.D

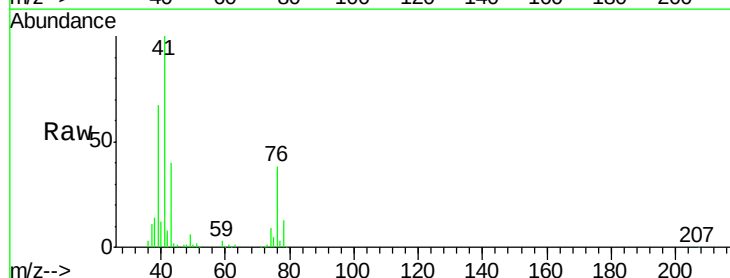
Acq: 09 Mar 2020 18:16

Tgt Ion: 43 Resp: 60301

Ion Ratio Lower Upper

43 100

74 22.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.30): VY001916.D (-406) (-)

Ion 74.00 (73.70 to 74.30): VY001916.D (-406) (-)

4.49

20000

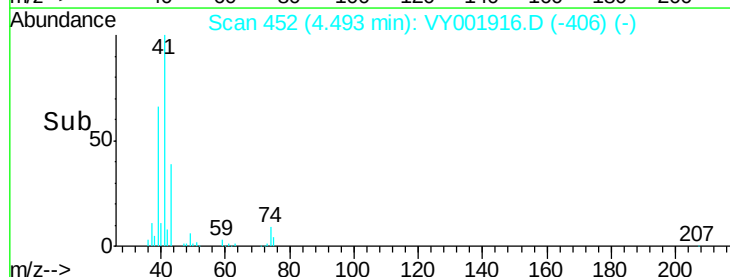
15000

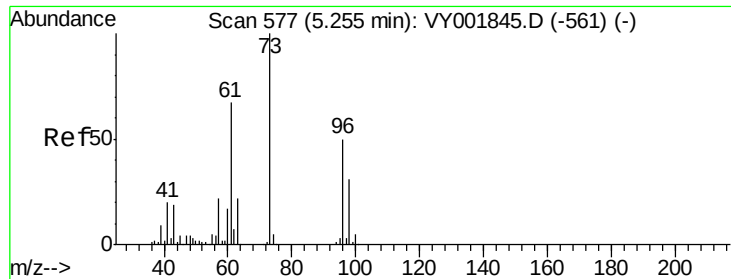
10000

5000

0

Time-->

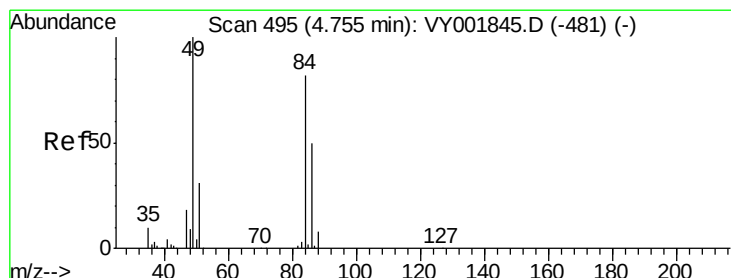
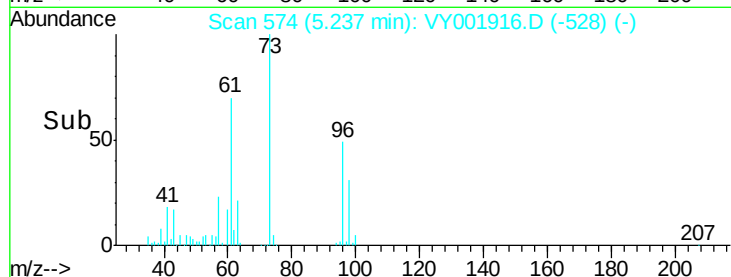
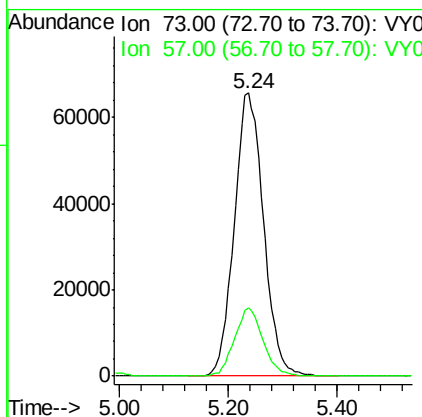
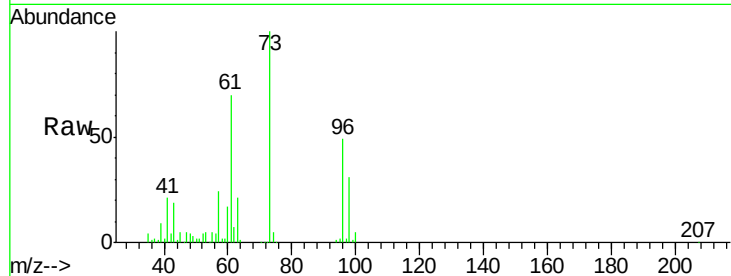




#19
Methyl tert-butyl Ether
Concen: 48.95 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.02 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

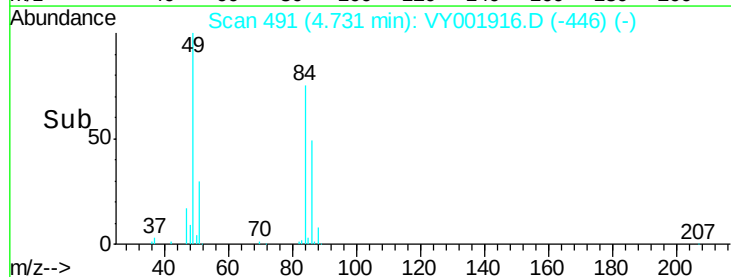
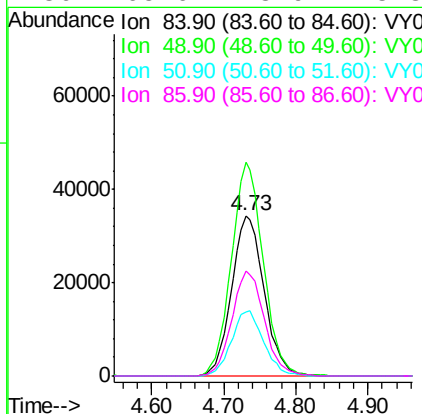
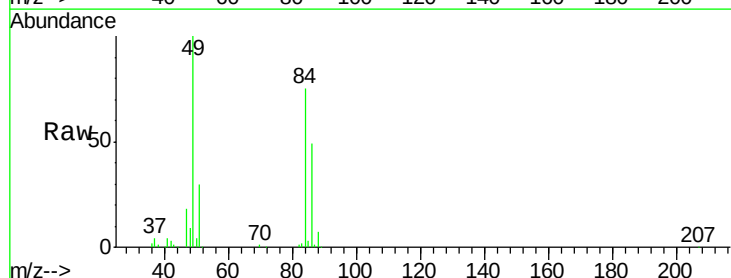
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

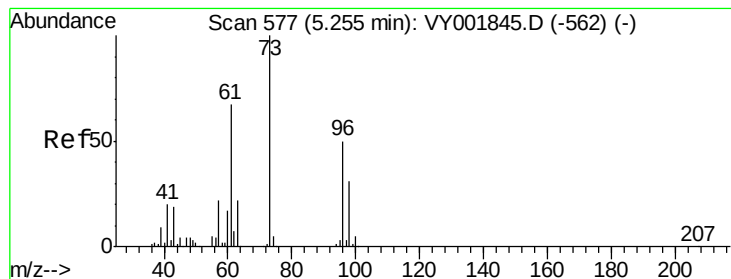
Tgt Ion: 73 Resp: 246140
Ion Ratio Lower Upper
73 100
57 24.4 17.4 26.2



#20
Methylene Chloride
Concen: 48.26 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 84 Resp: 107346
Ion Ratio Lower Upper
84 100
49 133.4 98.2 147.2
51 39.9 30.2 45.2
86 65.6 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 48.55 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

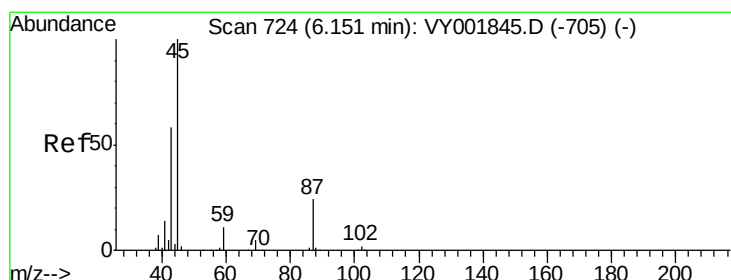
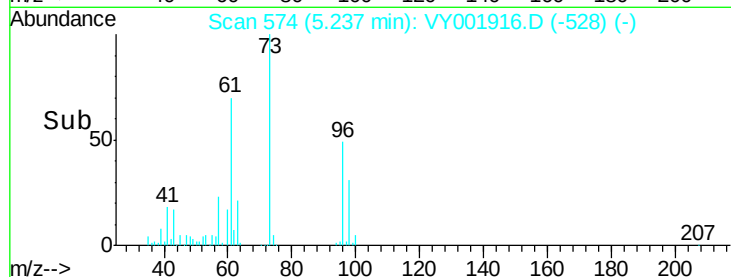
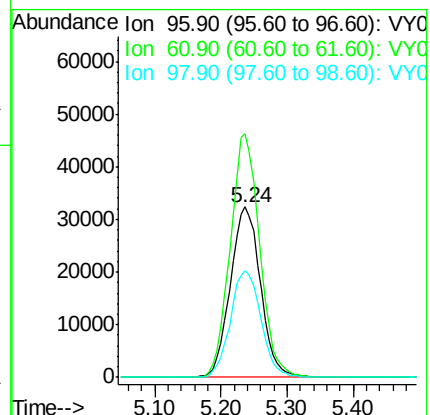
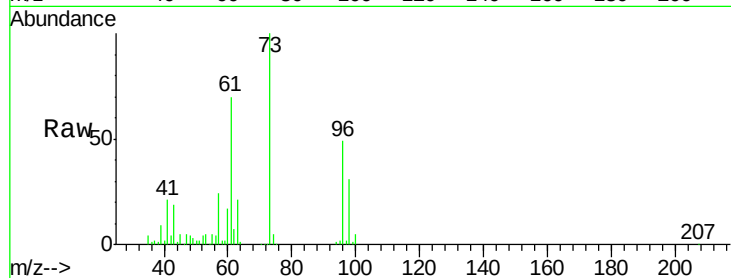
Tgt Ion: 96 Resp: 102246

Ion Ratio Lower Upper

96 100

61 142.8 107.7 161.5

98 62.3 49.3 73.9



#22

Diisopropyl ether

Concen: 50.99 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Tgt Ion: 45 Resp: 343851

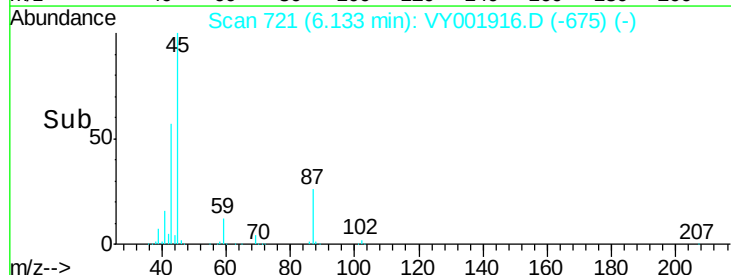
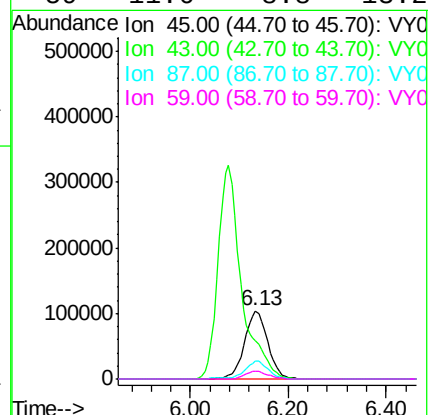
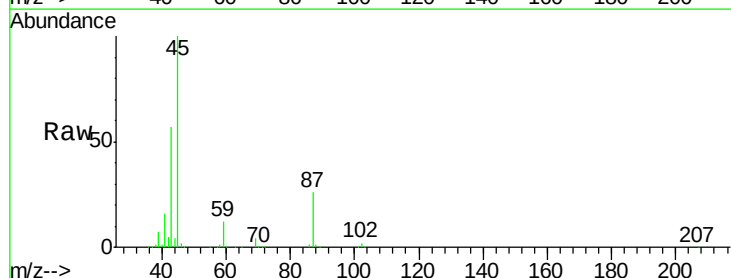
Ion Ratio Lower Upper

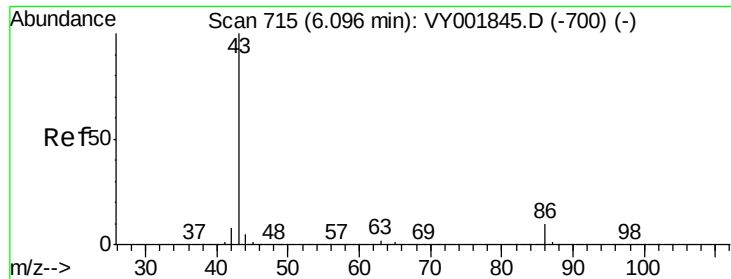
45 100

43 56.9 47.2 70.8

87 25.5 19.8 29.8

59 11.6 8.8 13.2

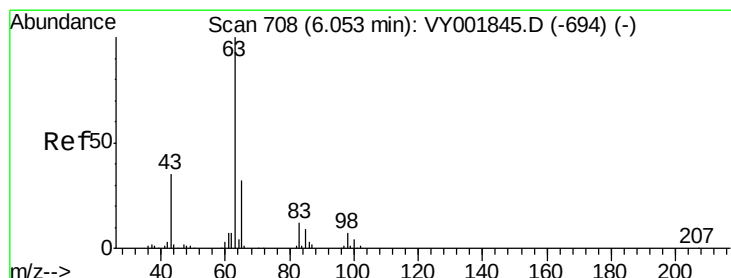
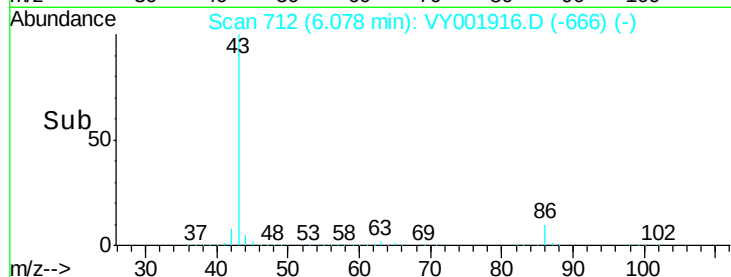
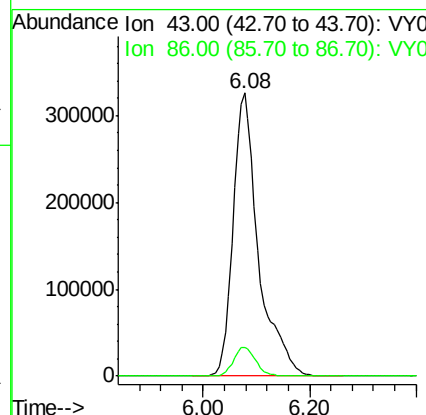
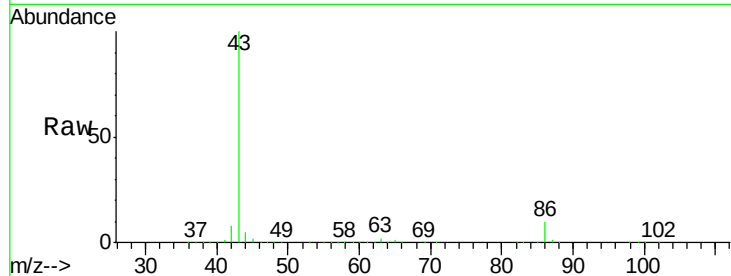




#23
 Vinyl Acetate
 Concen: 245.67 ug/l
 RT: 6.08 min Scan# 712
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

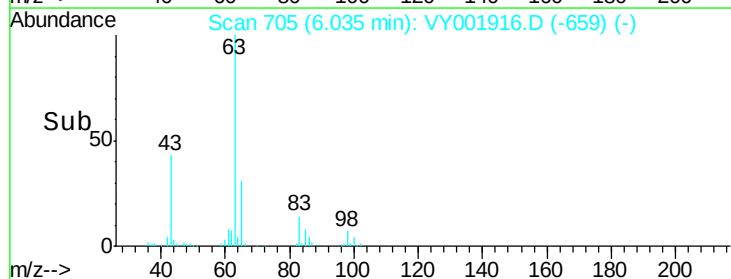
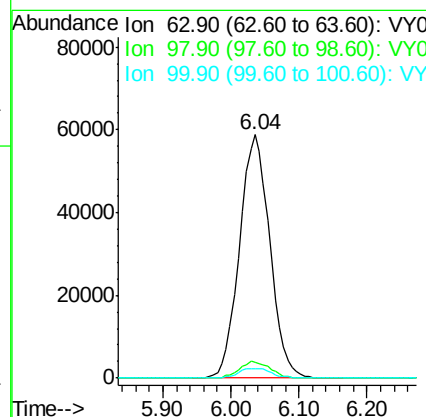
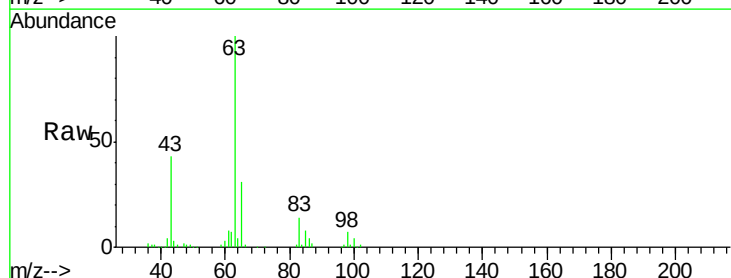
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

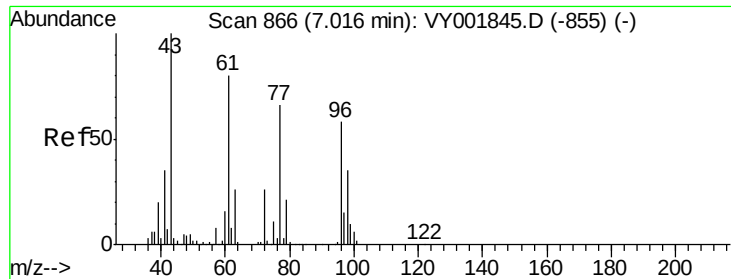
Tgt Ion: 43 Resp: 1086034
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 49.77 ug/l
 RT: 6.04 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 63 Resp: 181748
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.0 2.0 6.0

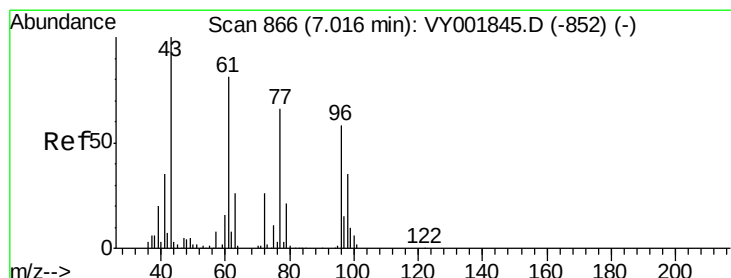
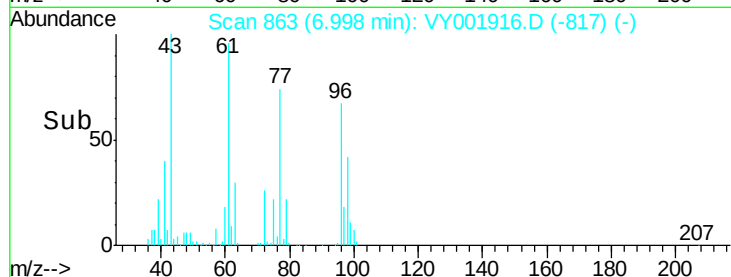
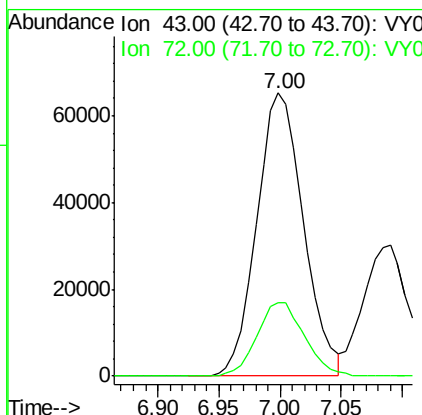
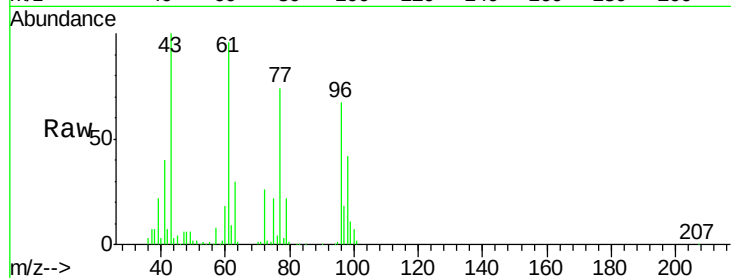




#25
 2-Butanone
 Concen: 219.90 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

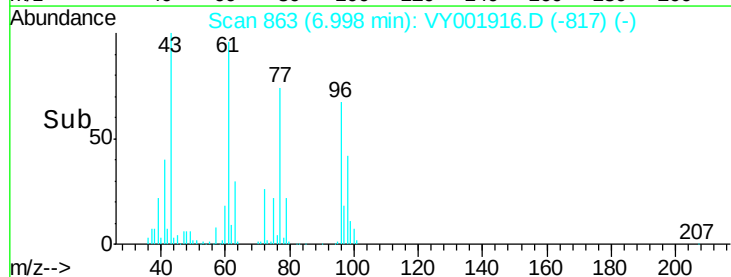
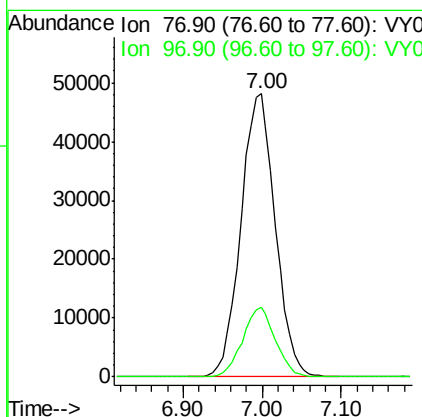
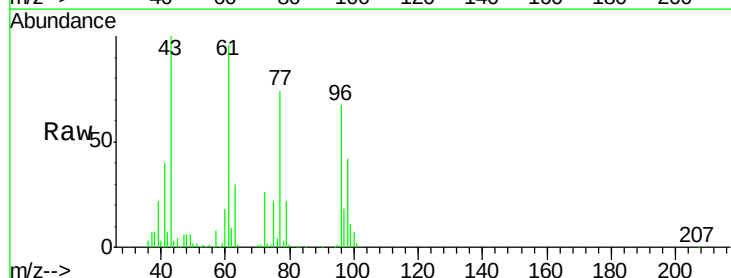
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

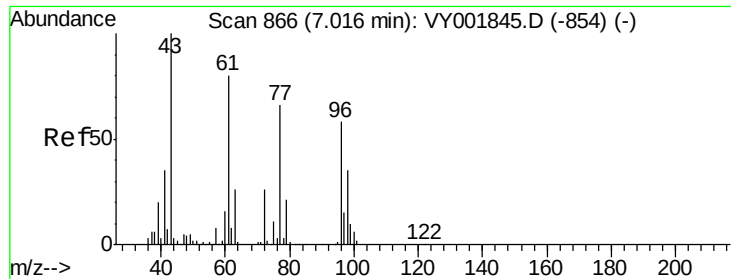
Tgt Ion: 43 Resp: 173539
 Ion Ratio Lower Upper
 43 100
 72 25.9 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 48.44 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 77 Resp: 145170
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 49.76 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

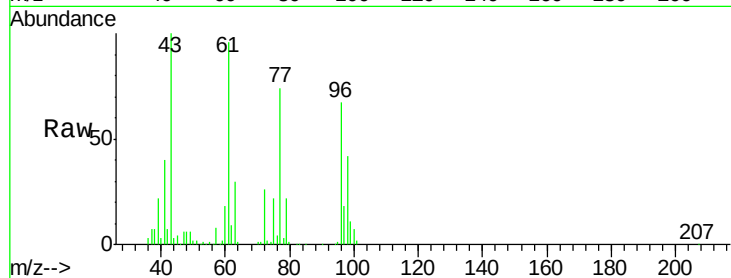
Tgt Ion: 96 Resp: 114003

Ion Ratio Lower Upper

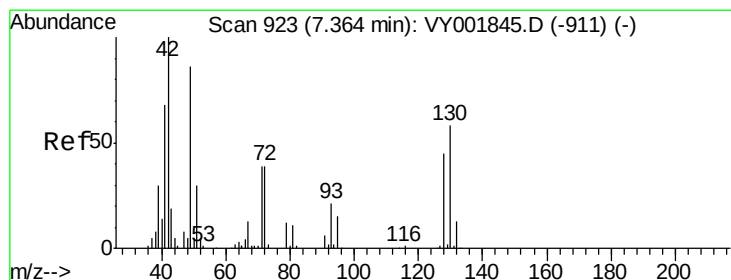
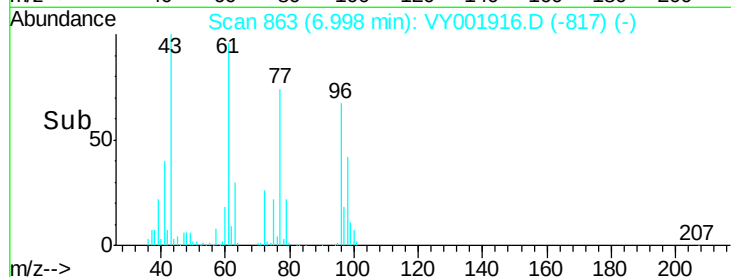
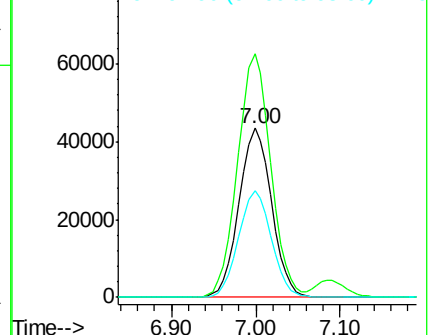
96 100

61 146.2 0.0 288.2

98 63.4 0.0 129.0



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: 53.96 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

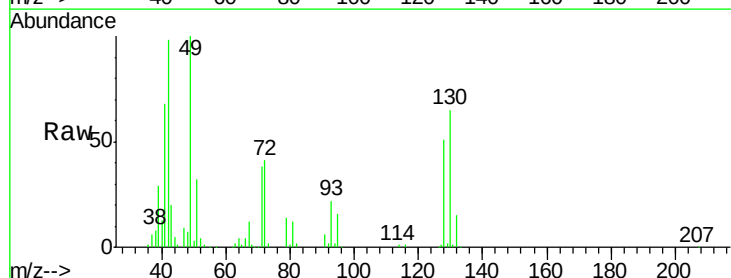
Tgt Ion: 49 Resp: 88821

Ion Ratio Lower Upper

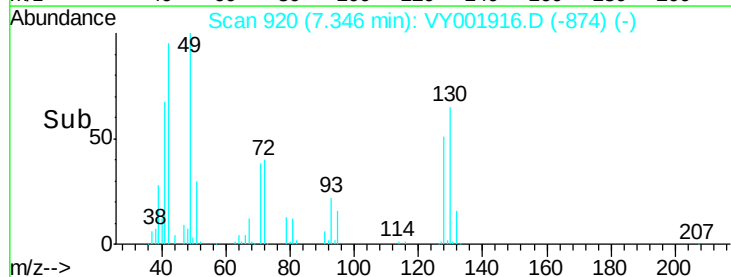
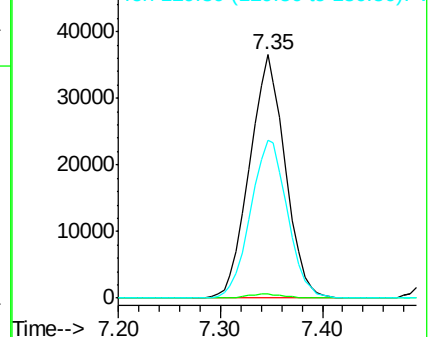
49 100

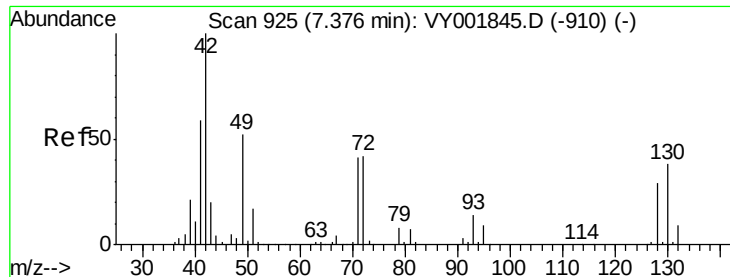
129 1.6 0.0 3.8

130 66.9 54.4 81.6



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

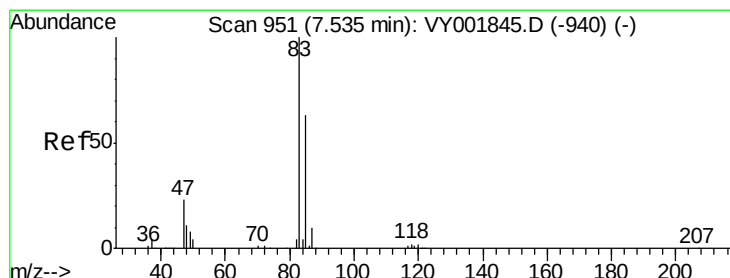
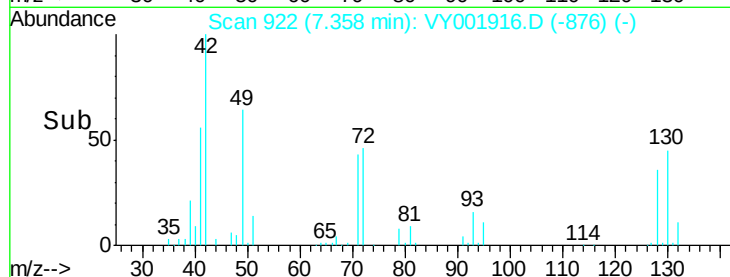
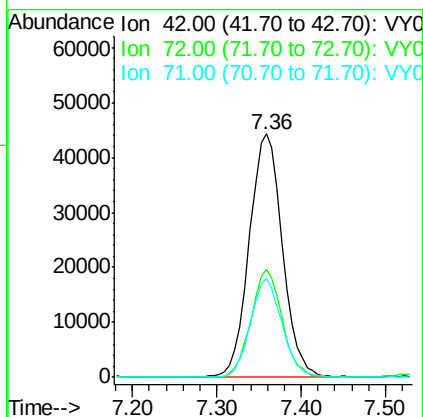
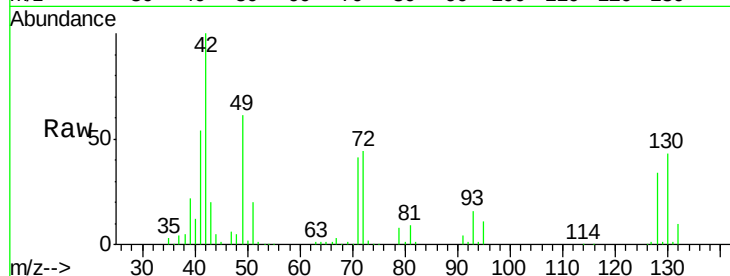




#29
Tetrahydrofuran
Concen: 226.48 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

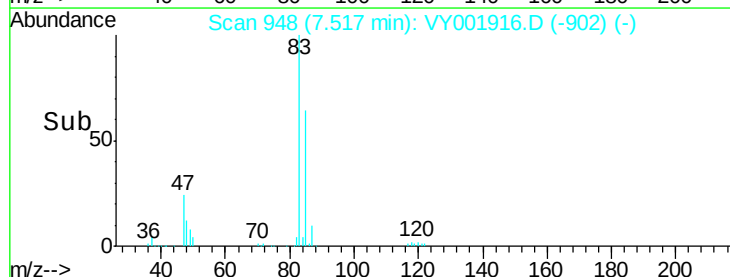
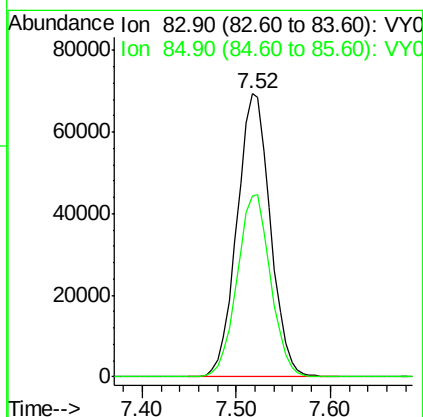
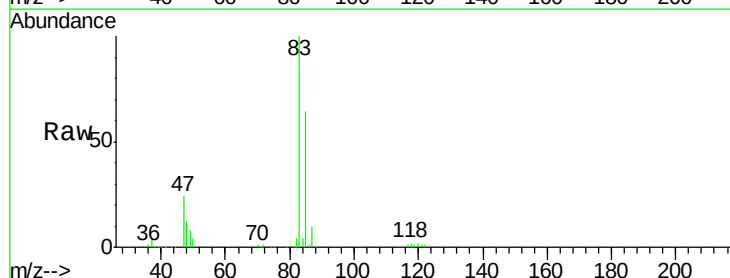
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

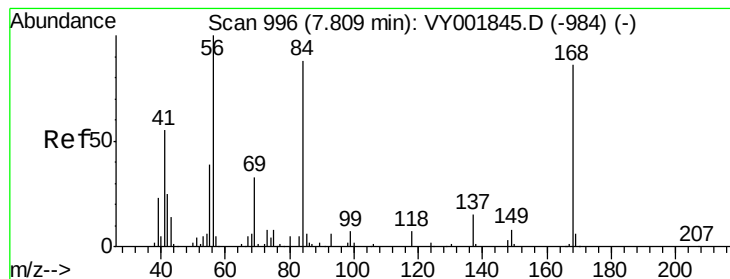
Tgt Ion: 42 Resp: 118690
Ion Ratio Lower Upper
42 100
72 41.8 33.5 50.3
71 38.7 31.3 46.9



#30
Chloroform
Concen: 50.08 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 83 Resp: 171821
Ion Ratio Lower Upper
83 100
85 63.8 50.7 76.1





#31

Cyclohexane

Concen: 46.41 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

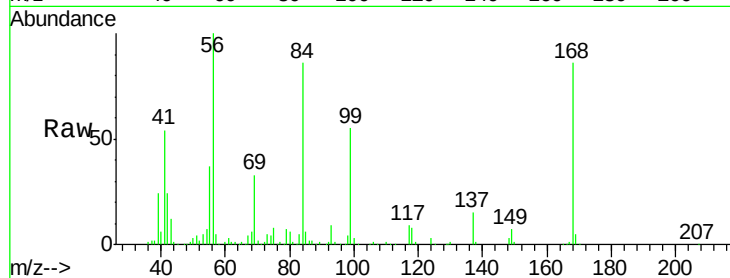
Tgt Ion: 56 Resp: 181710

Ion Ratio Lower Upper

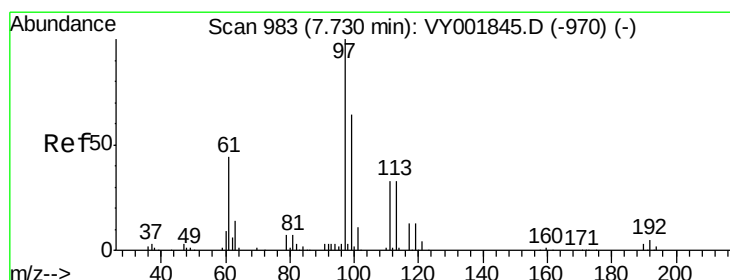
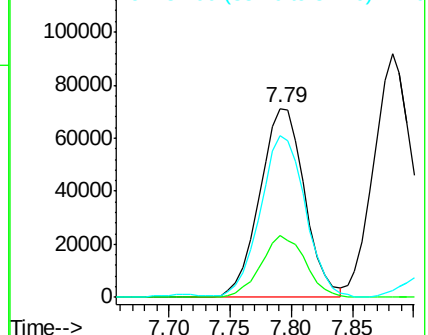
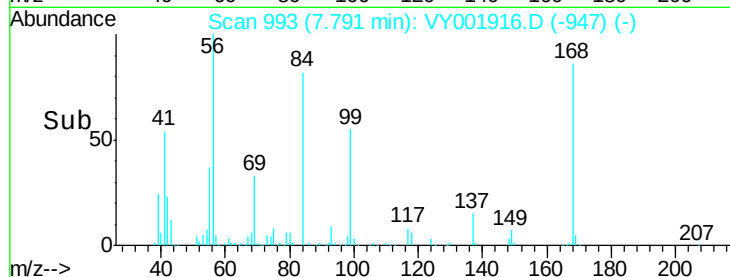
56 100

69 32.7 26.7 40.1

84 84.7 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VY001916.D (-947) (-)



#32

1,1,1-Trichloroethane

Concen: 50.09 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

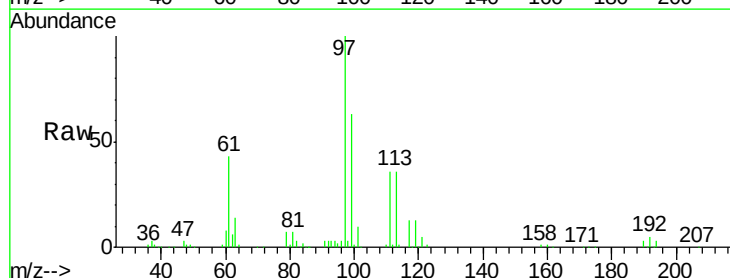
Tgt Ion: 97 Resp: 144829

Ion Ratio Lower Upper

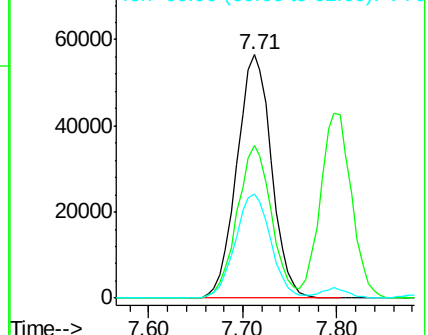
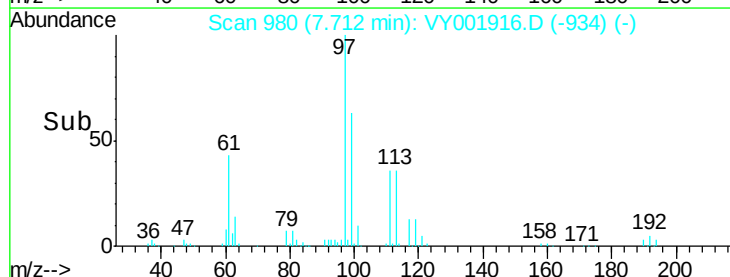
97 100

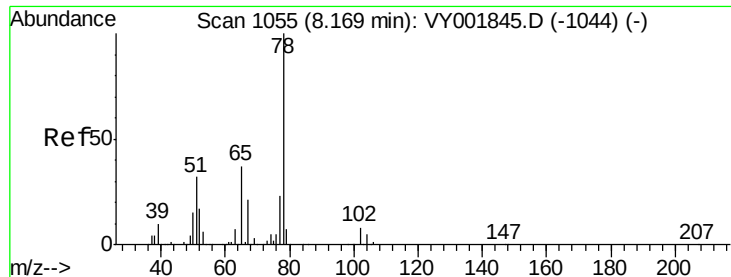
99 62.5 52.0 78.0

61 44.0 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY001916.D (-934) (-)

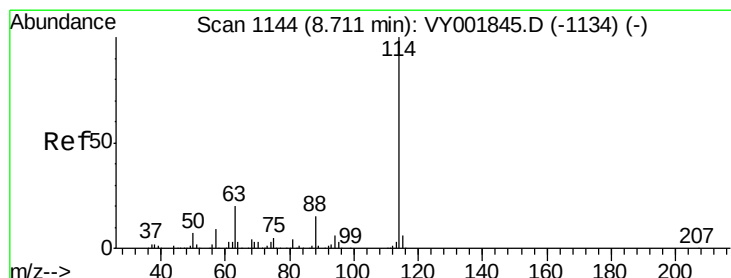
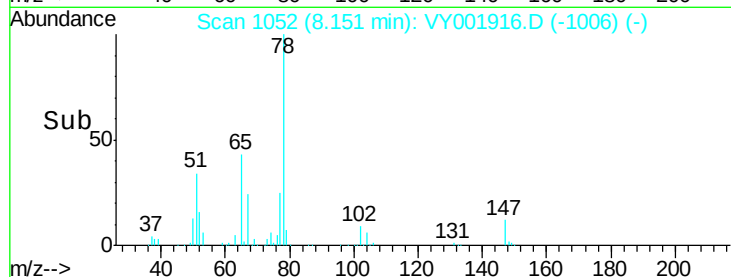
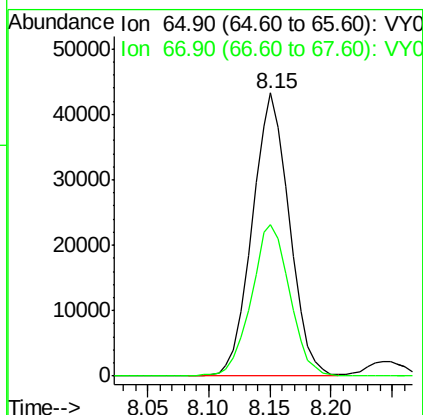
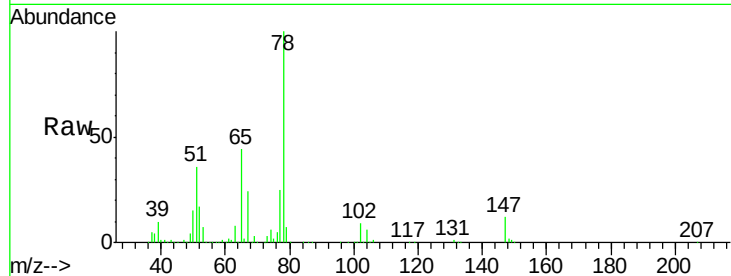




#33
 1,2-Dichloroethane-d4
 Concen: 51.25 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

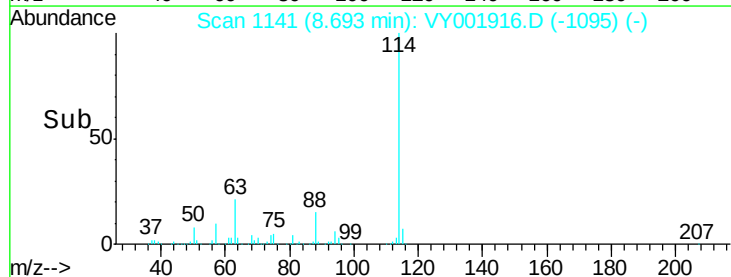
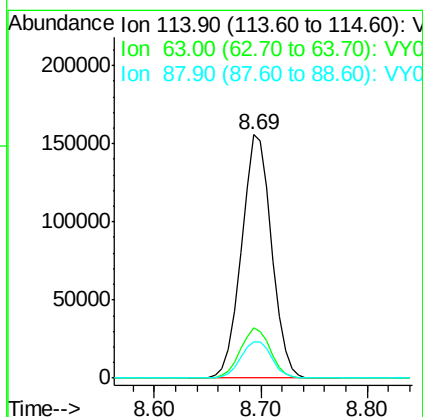
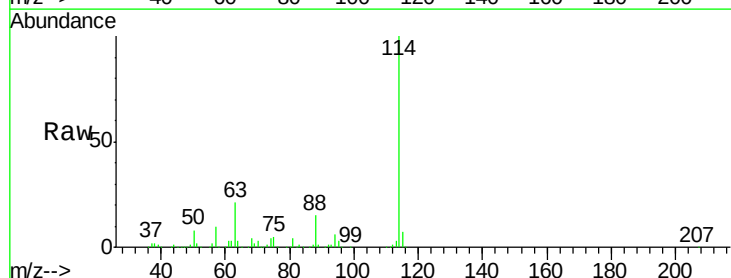
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

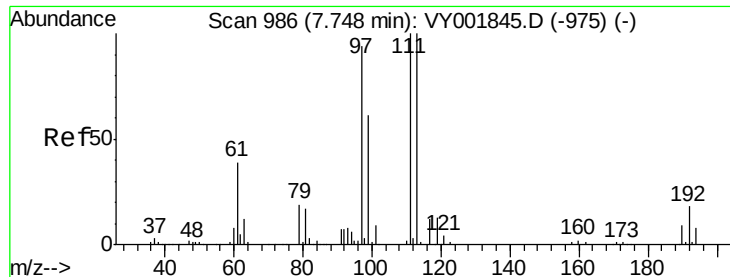
Tgt Ion: 65 Resp: 91316
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 114 Resp: 308307
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.4
 88 15.0 0.0 30.4

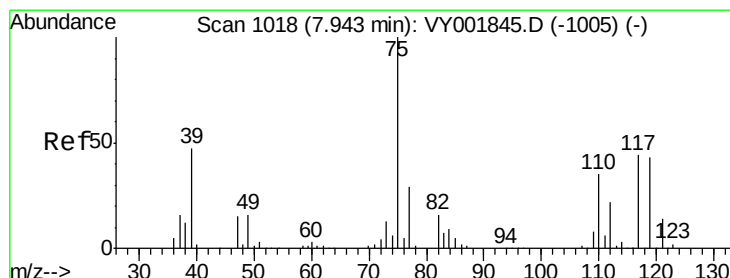
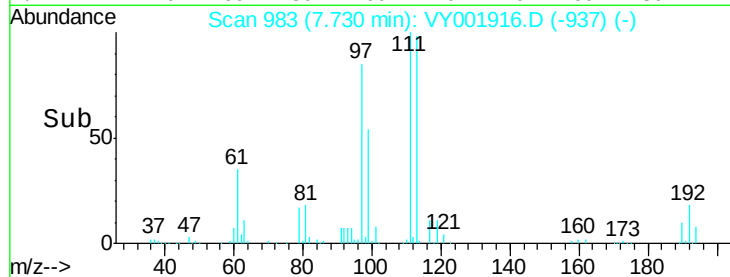
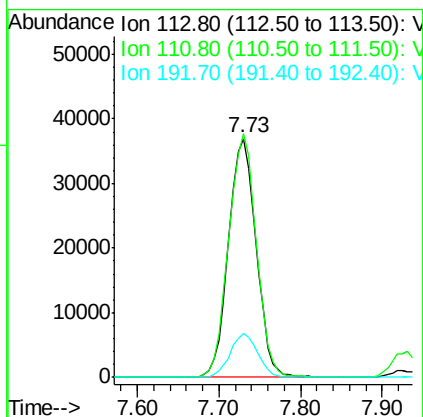
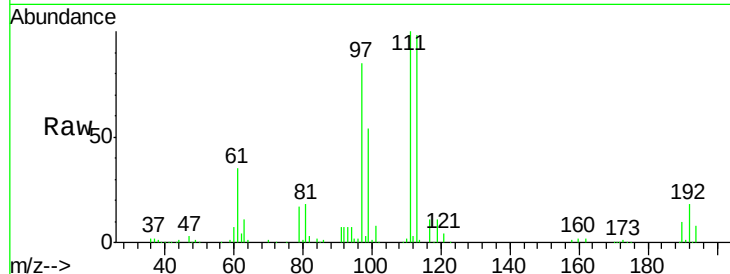




#35
 Dibromofluoromethane
 Concen: 51.17 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

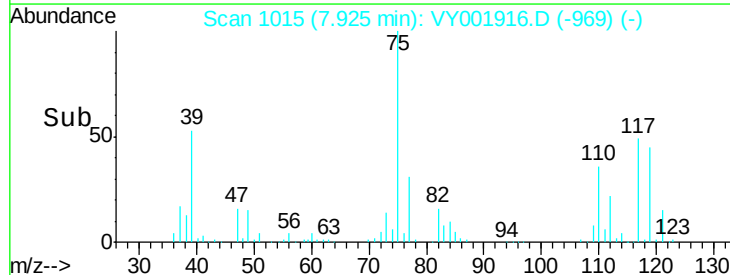
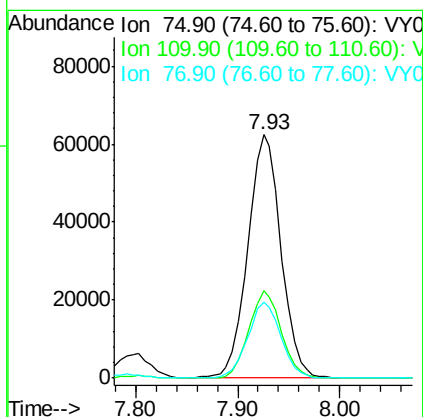
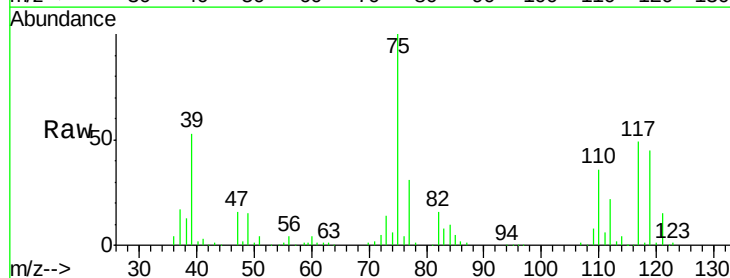
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

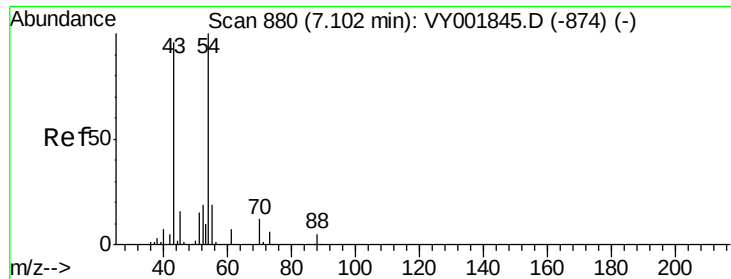
Tgt Ion:113 Resp: 86145
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 18.4 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 47.65 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 75 Resp: 141363
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.4 52.2
 77 31.4 24.2 36.2

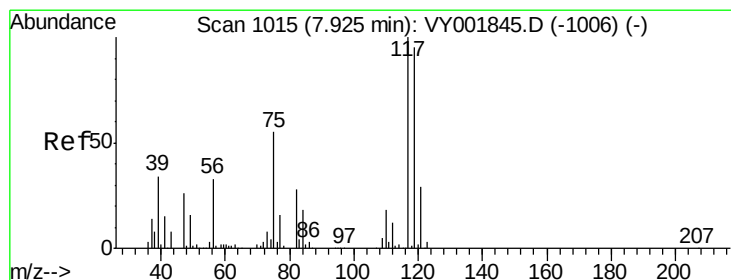
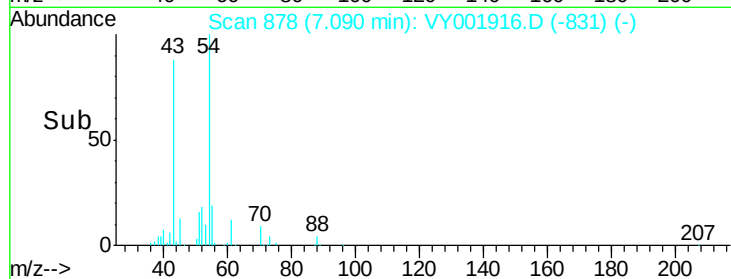
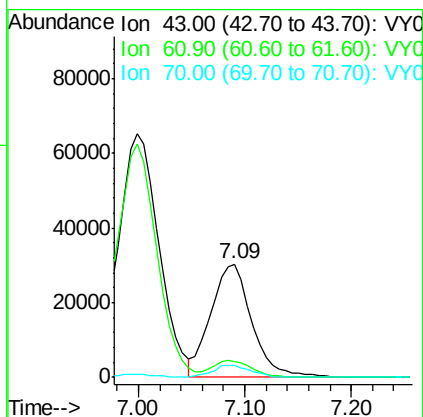
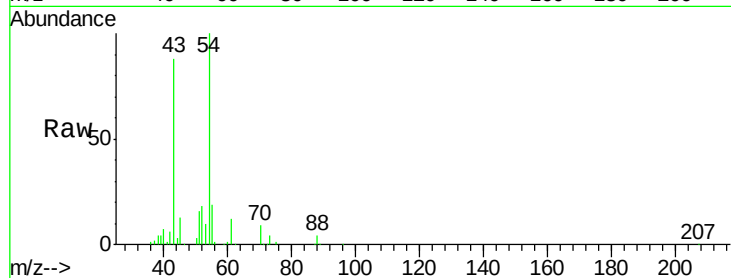




#37
Ethyl Acetate
 Concen: 46.59 ug/l
 RT: 7.09 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

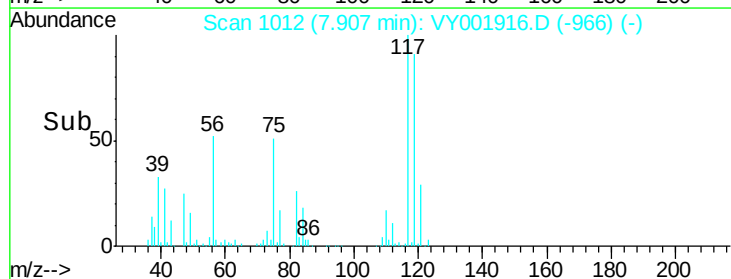
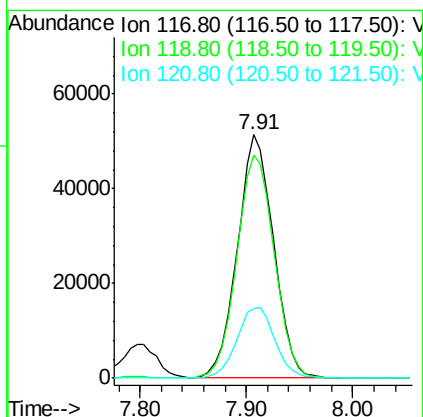
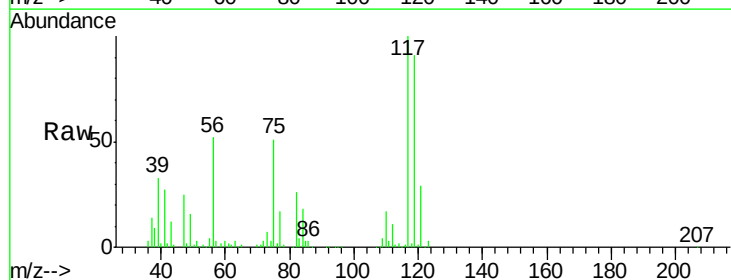
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

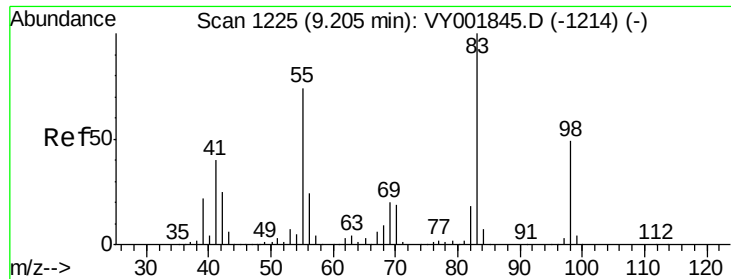
Tgt Ion: 43 Resp: 80330
 Ion Ratio Lower Upper
 43 100
 61 14.0 11.1 16.7
 70 10.0 8.2 12.4



#38
Carbon Tetrachloride
 Concen: 48.48 ug/l
 RT: 7.91 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 117 Resp: 122862
 Ion Ratio Lower Upper
 117 100
 119 91.4 76.3 114.5
 121 28.7 23.5 35.3

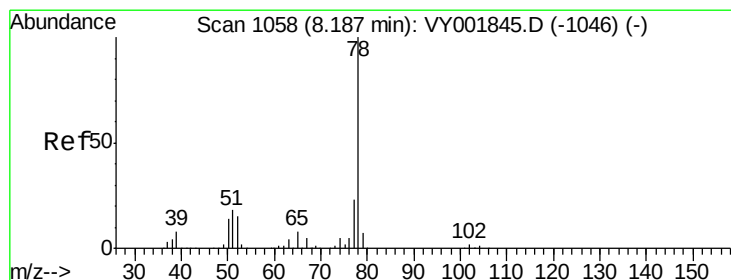
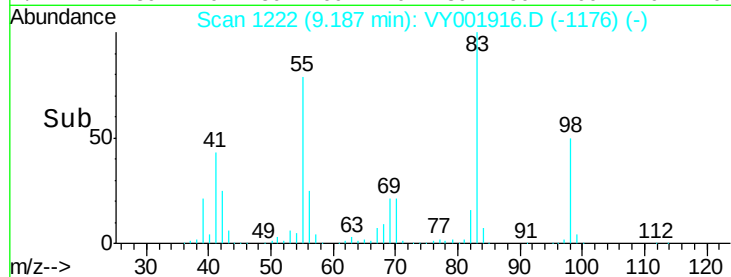
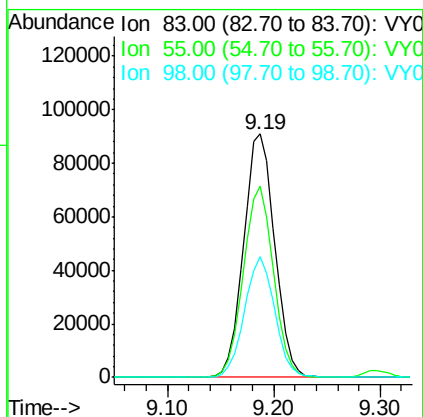
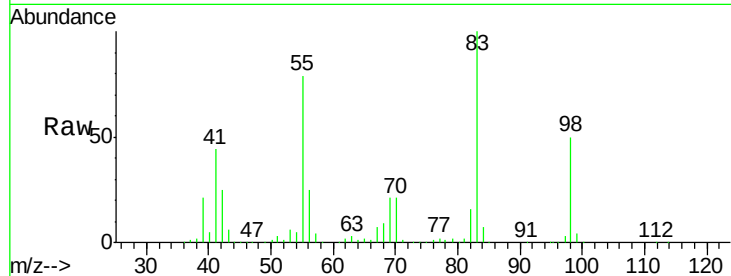




#39
Methylcyclohexane
Concen: 47.41 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

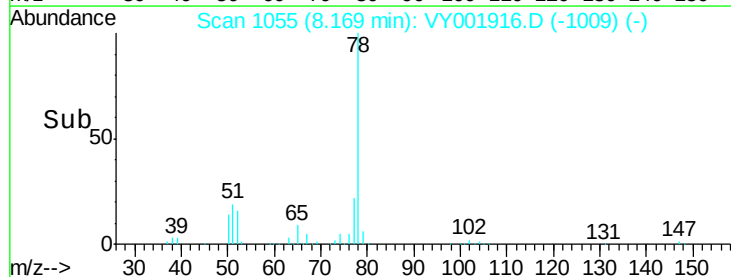
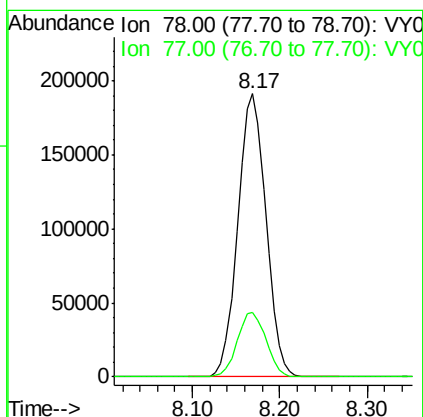
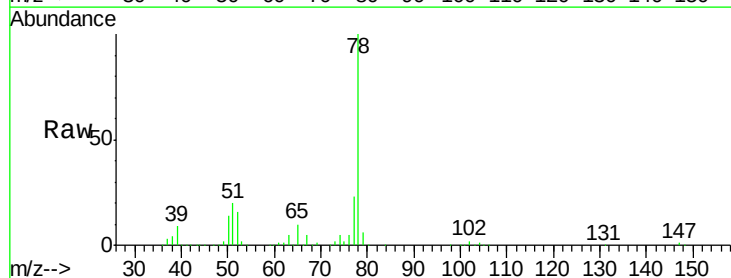
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

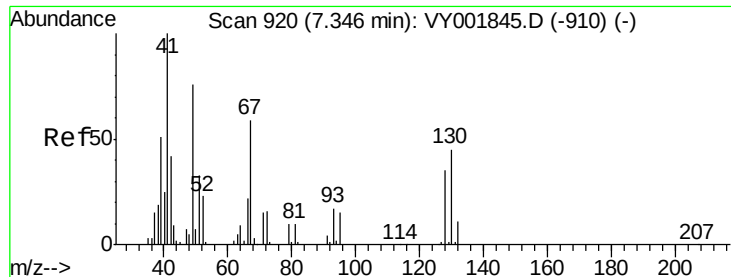
Tgt Ion: 83 Resp: 186560
Ion Ratio Lower Upper
83 100
55 78.5 59.4 89.0
98 49.6 38.9 58.3



#40
Benzene
Concen: 48.61 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 78 Resp: 427453
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1

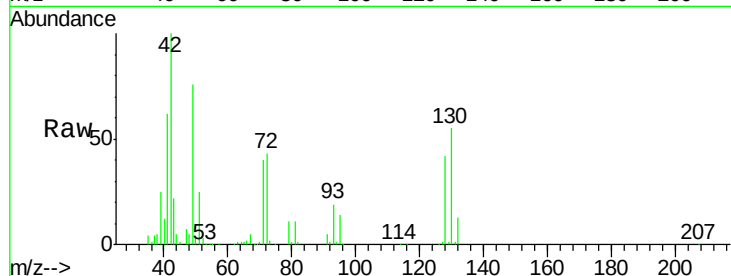




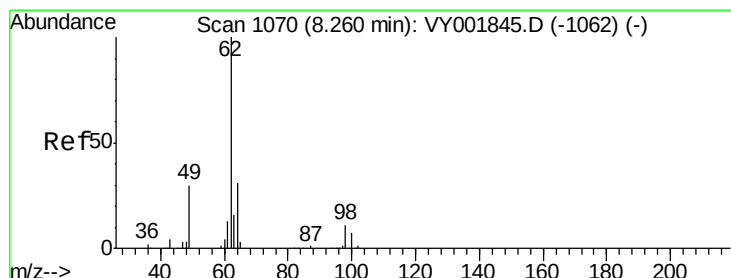
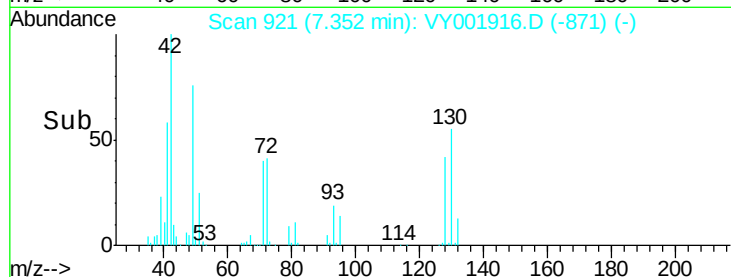
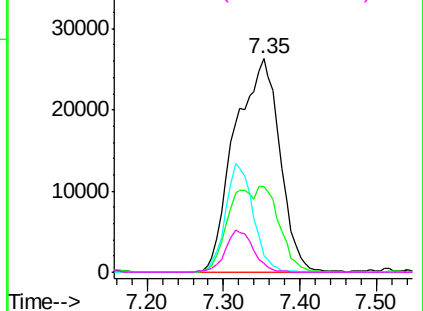
#41
Methacrylonitrile
Concen: 138.46 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 107444
Ion Ratio Lower Upper
41 100
39 0.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

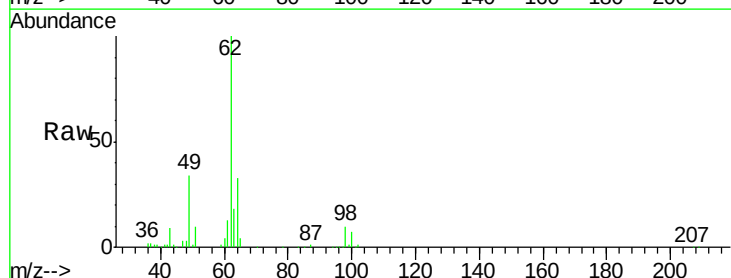


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

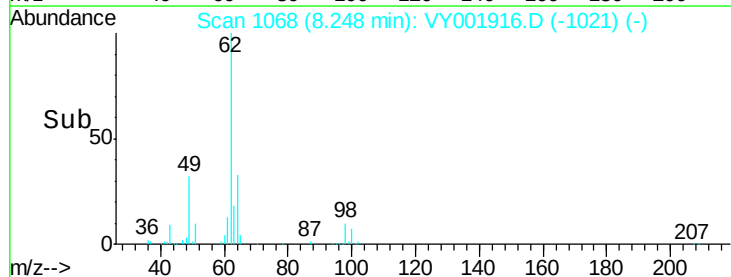
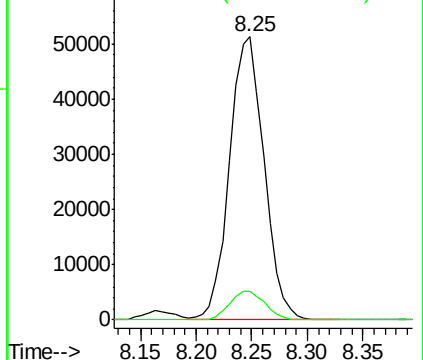


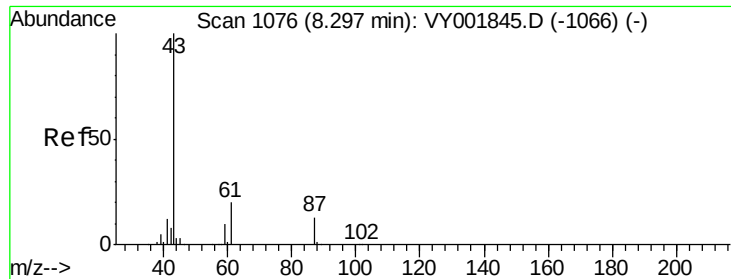
#42
1,2-Dichloroethane
Concen: 48.78 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 62 Resp: 110539
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.4



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



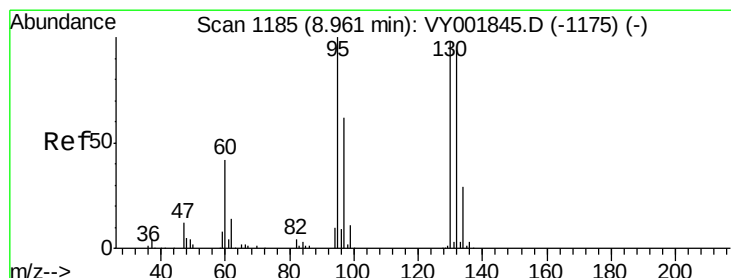
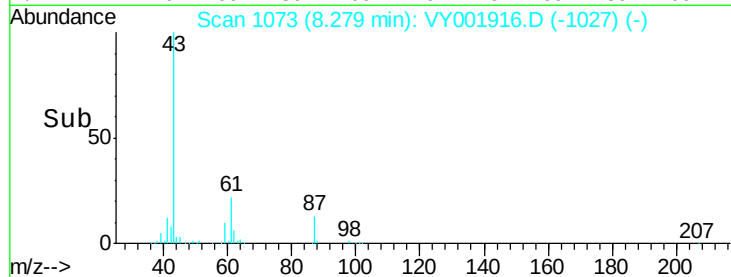
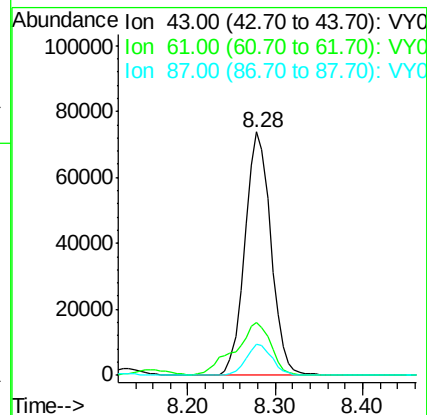
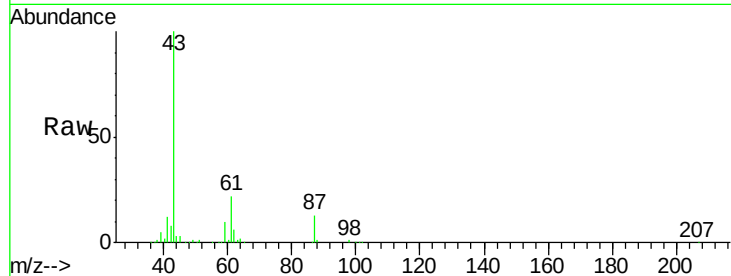


#43

Isopropyl Acetate
 Concen: 46.65 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

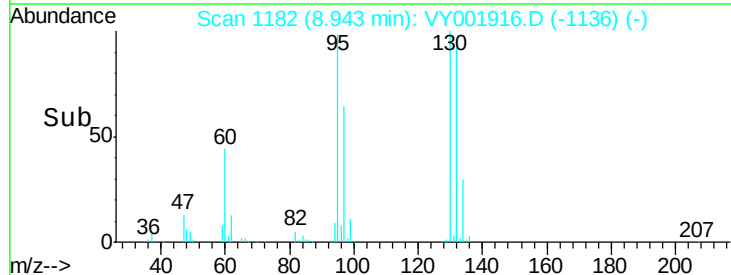
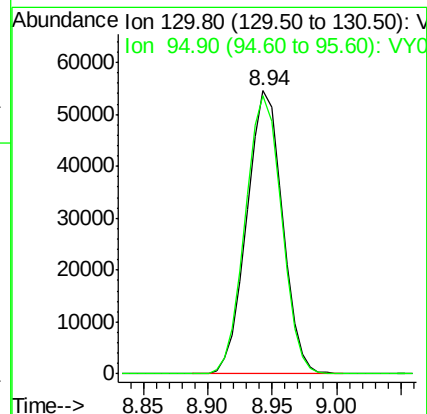
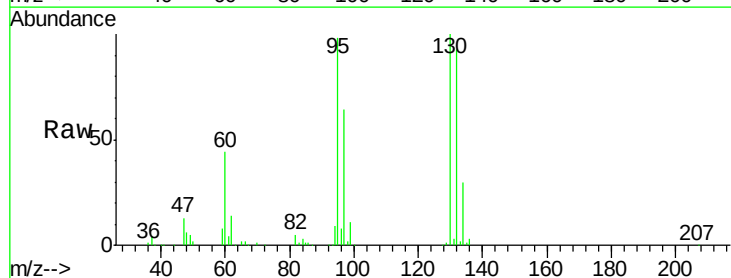
Tgt Ion: 43 Resp: 152299
 Ion Ratio Lower Upper
 43 100
 61 29.9 23.8 35.6
 87 12.9 10.9 16.3

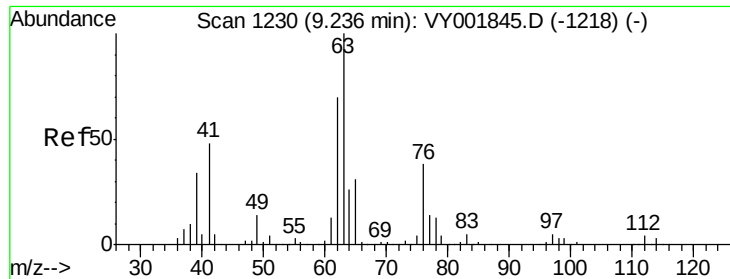


#44

Trichloroethene
 Concen: 48.75 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 130 Resp: 104415
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 204.6

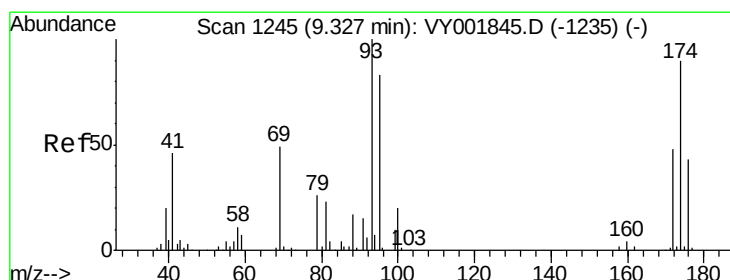
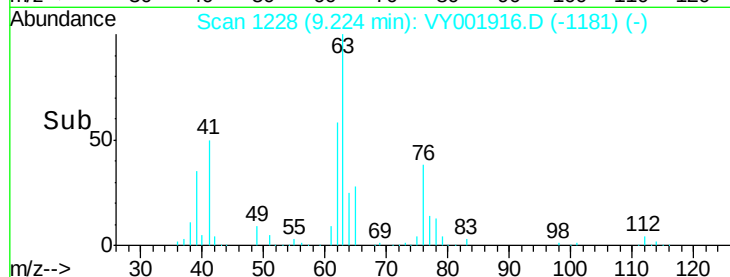
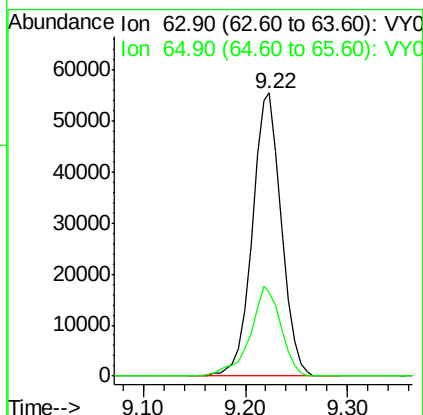
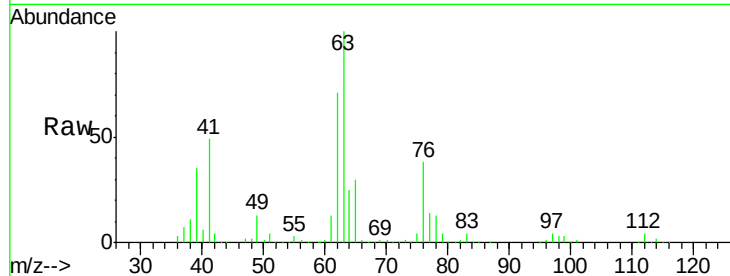




#45
 1,2-Dichloropropane
 Concen: 49.58 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

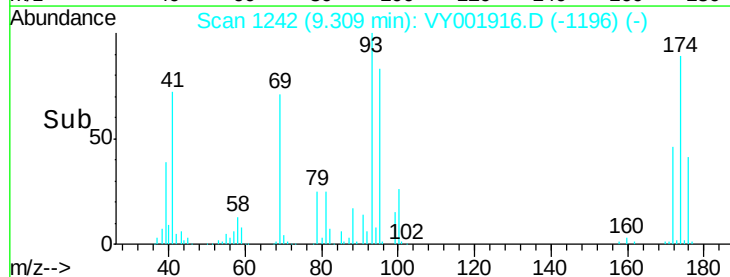
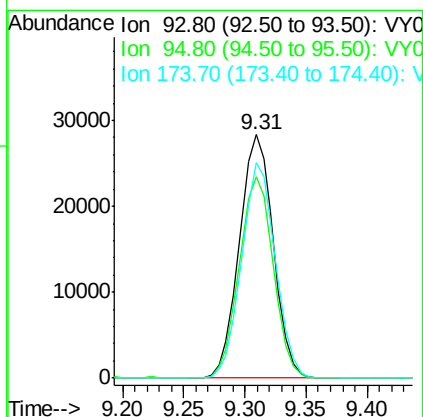
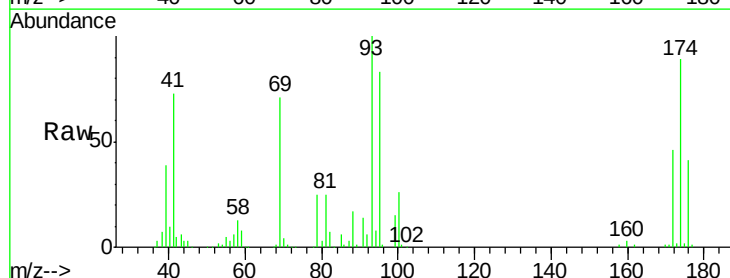
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

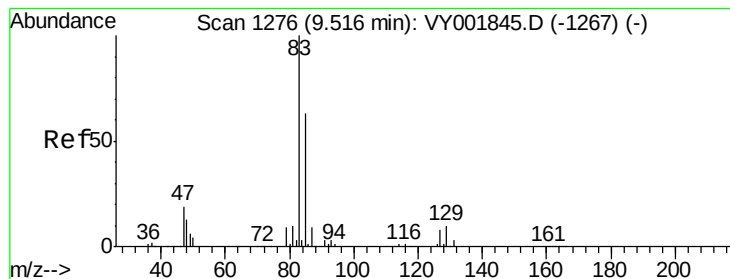
Tgt Ion: 63 Resp: 109594
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.9 37.3



#46
 Dibromomethane
 Concen: 47.89 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 93 Resp: 54557
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.4
 174 88.0 71.8 107.8





#47

Bromodichloromethane

Concen: 49.92 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

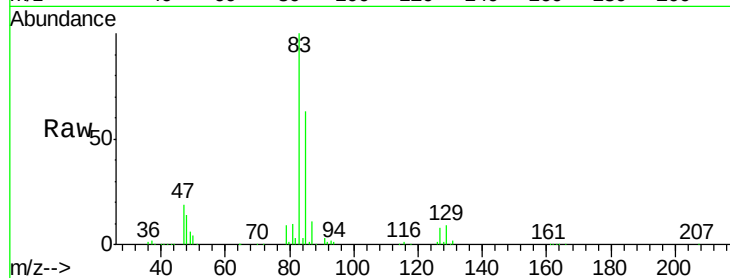
Tgt Ion: 83 Resp: 132275

Ion Ratio Lower Upper

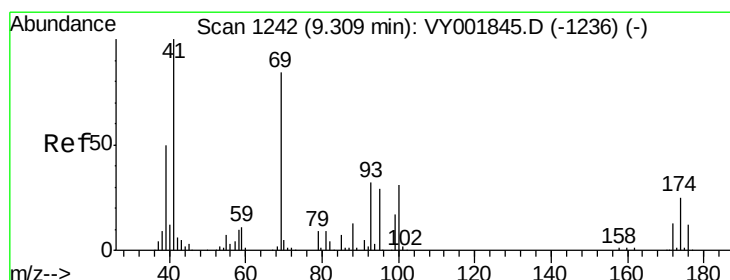
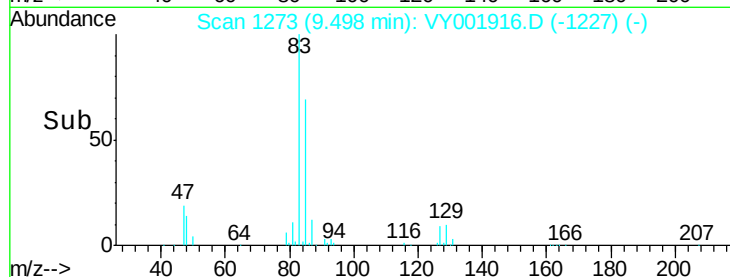
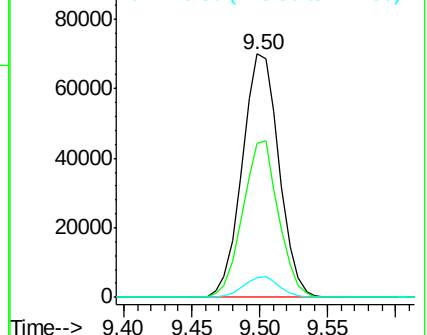
83 100

85 63.5 50.6 76.0

127 8.3 6.2 9.4



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: 47.12 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

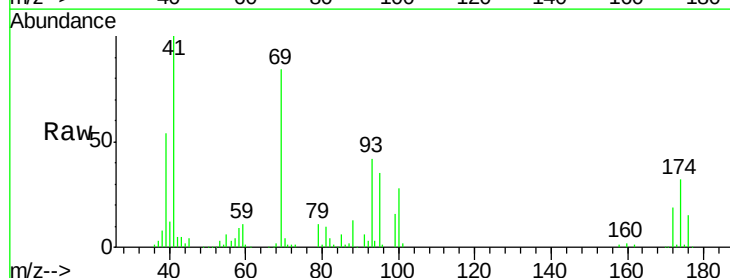
Tgt Ion: 41 Resp: 68266

Ion Ratio Lower Upper

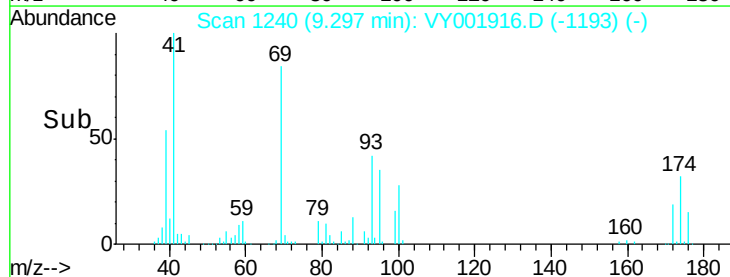
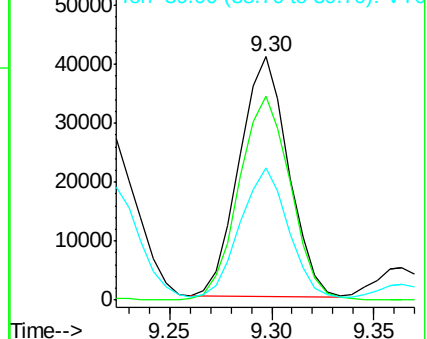
41 100

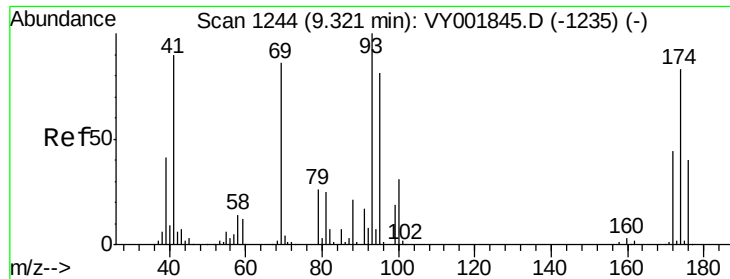
69 88.6 69.0 103.6

39 55.1 39.1 58.7



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: 876.52 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

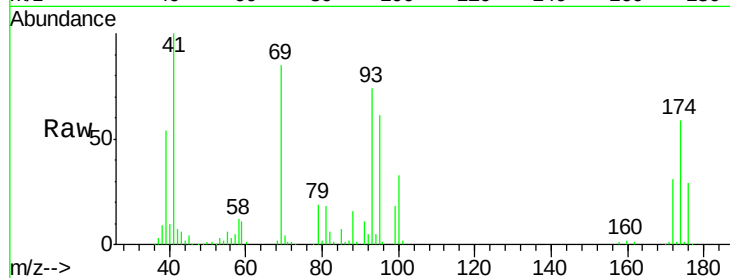
Tgt Ion: 88 Resp: 13682

Ion Ratio Lower Upper

88 100

43 33.6 25.0 37.6

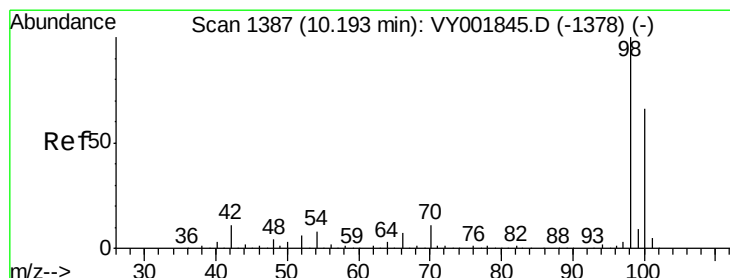
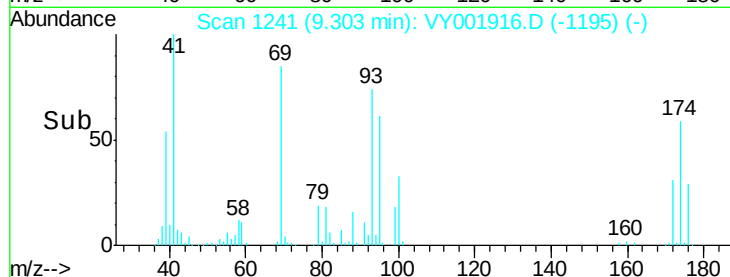
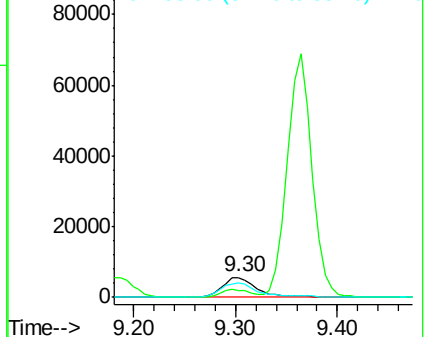
58 79.0 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VY001916.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VY001916.D (-1195) (-)

Ion 58.00 (57.70 to 58.70): VY001916.D (-1195) (-)



#50

Toluene-d8

Concen: 50.59 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001916.D

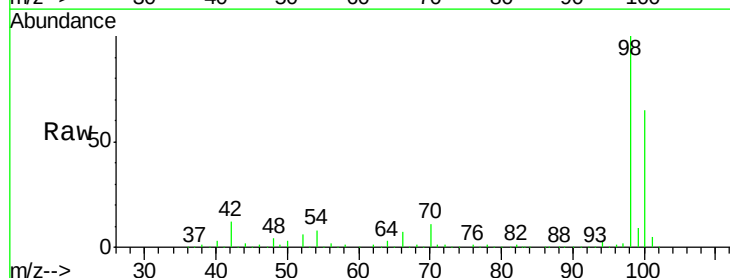
Acq: 09 Mar 2020 18:16

Tgt Ion: 98 Resp: 359164

Ion Ratio Lower Upper

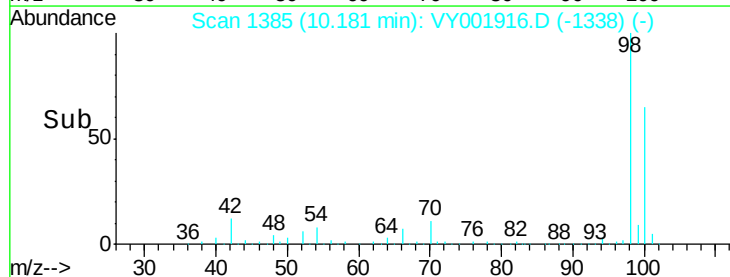
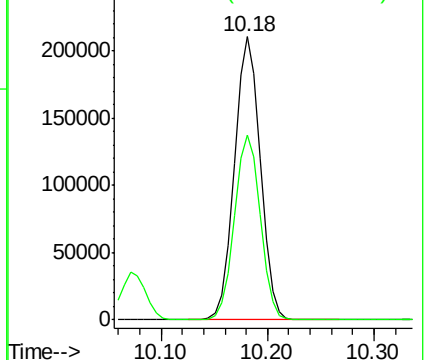
98 100

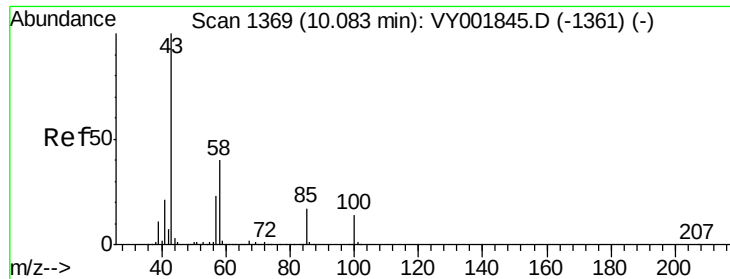
100 65.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001916.D (-1338) (-)

Ion 100.00 (99.70 to 100.70): VY001916.D (-1338) (-)

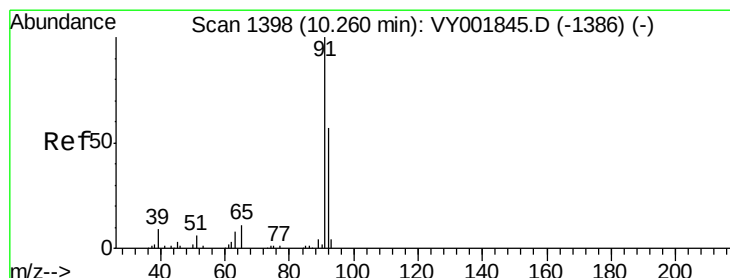
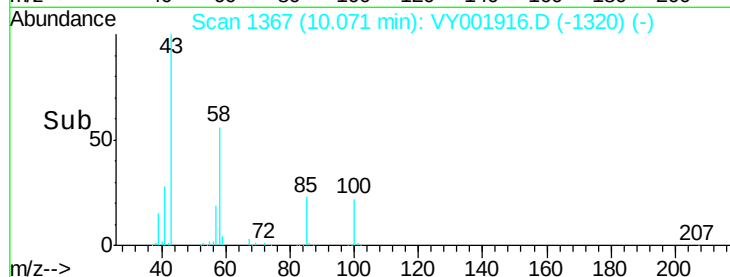
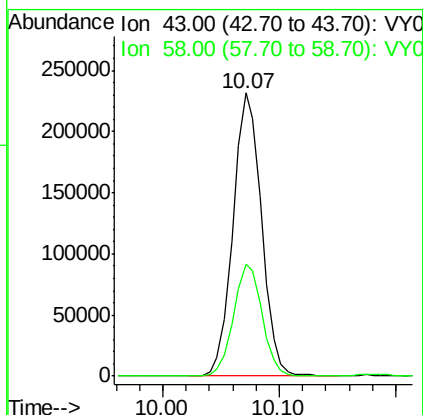
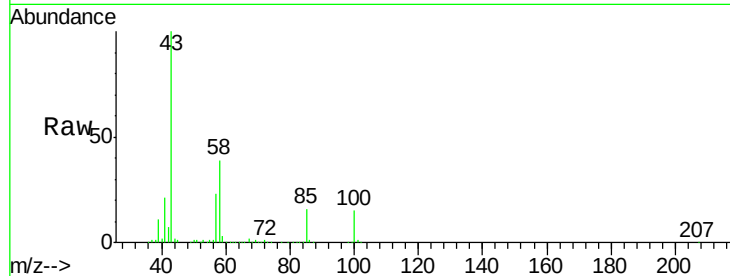




#51
 4-Methyl-2-Pentanone
 Concen: 234.31 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

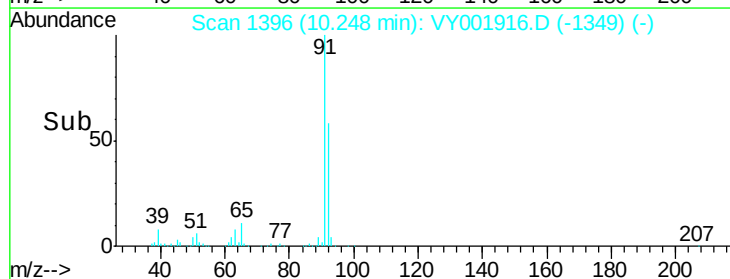
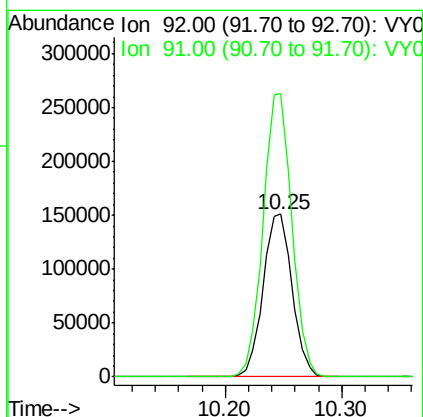
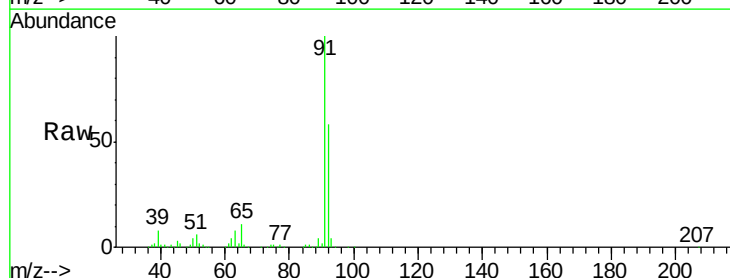
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

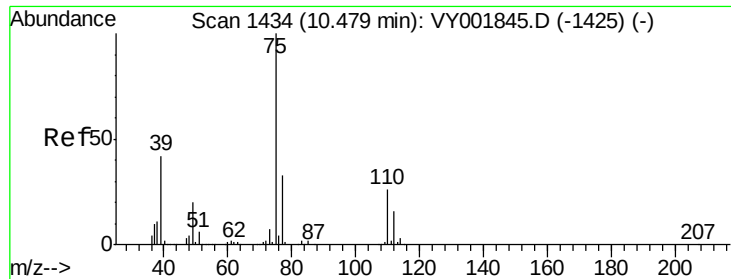
Tgt Ion: 43 Resp: 393997
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.0 48.0



#52
 Toluene
 Concen: 49.09 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 92 Resp: 262214
 Ion Ratio Lower Upper
 92 100
 91 172.5 138.6 208.0

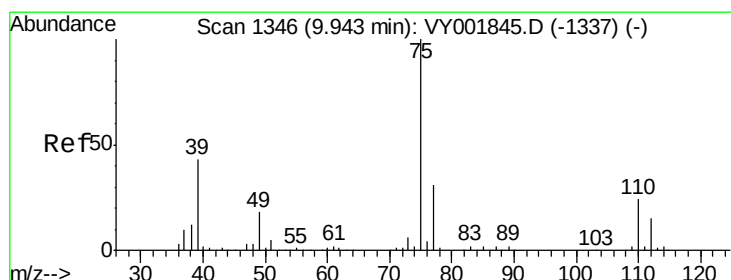
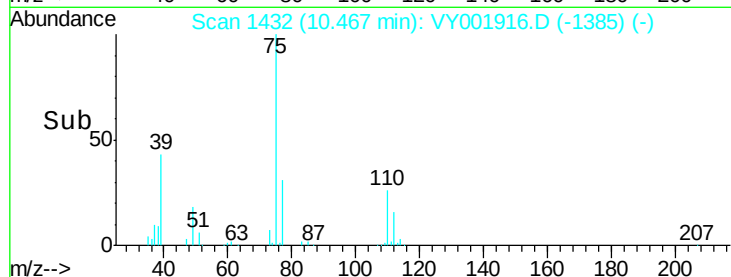
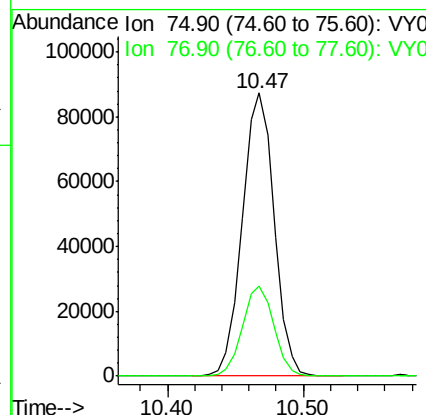
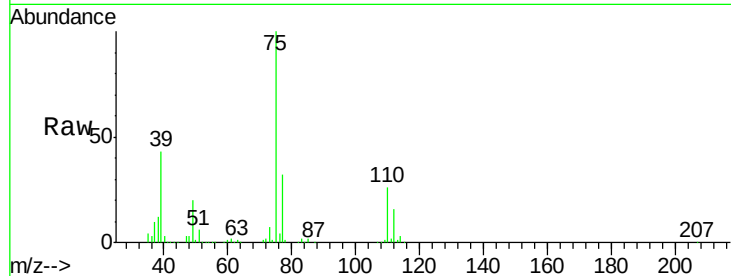




#53
 t-1,3-Dichloropropene
 Concen: 49.36 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

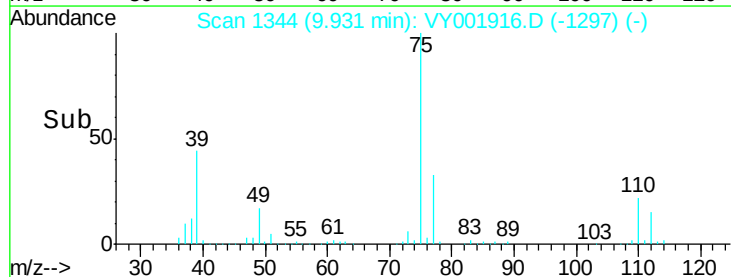
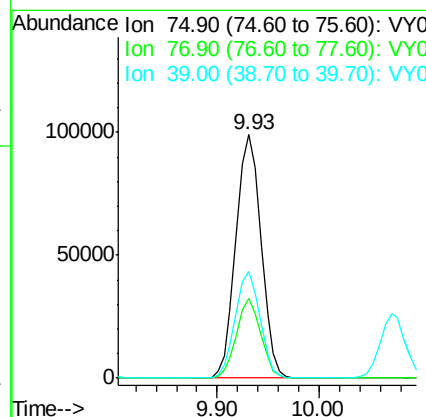
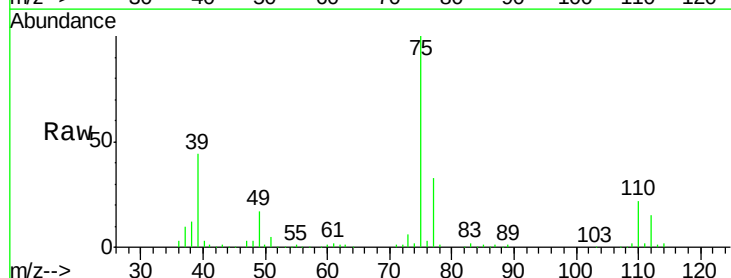
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

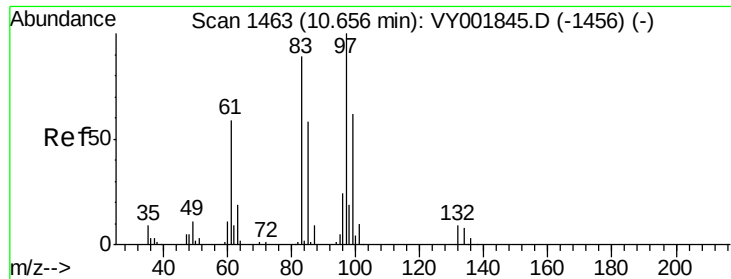
Tgt Ion: 75 Resp: 142499
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 49.17 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 75 Resp: 169003
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.1 37.7
 39 43.8 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 48.67 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 81135

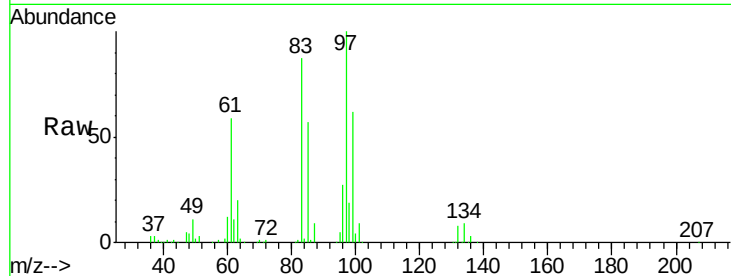
Ion Ratio Lower Upper

97 100

83 86.6 71.6 107.4

85 57.1 46.6 69.8

99 61.6 49.8 74.6

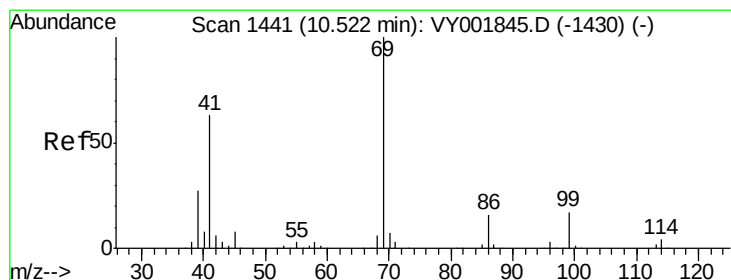
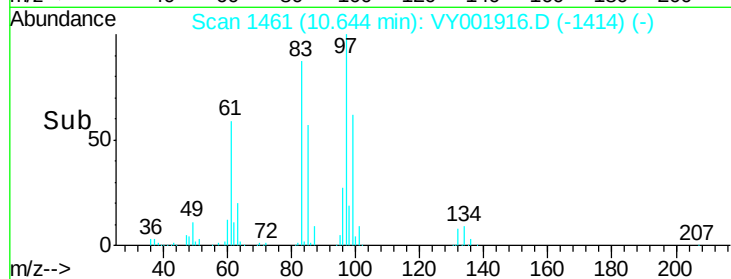
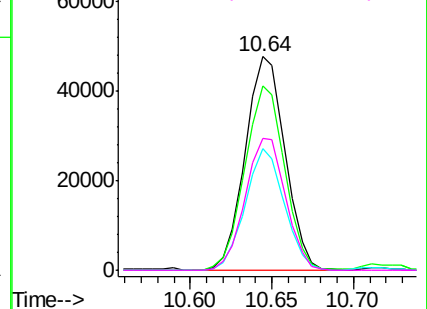


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 48.89 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

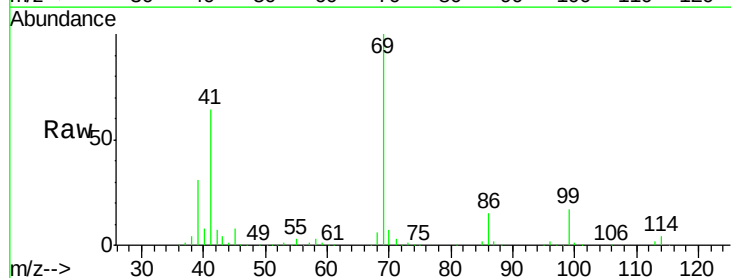
Tgt Ion: 69 Resp: 119473

Ion Ratio Lower Upper

69 100

41 63.1 49.9 74.9

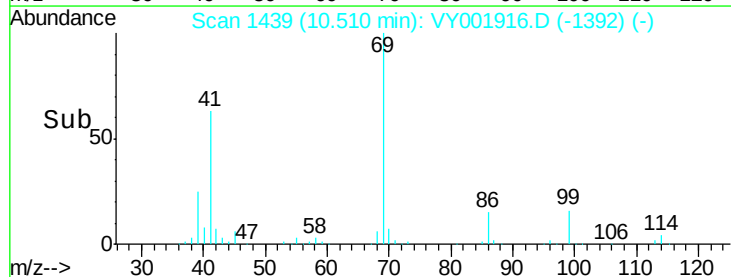
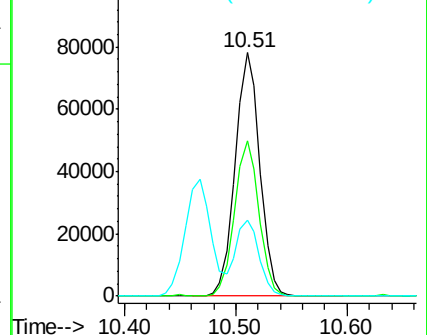
39 29.2 23.0 34.6

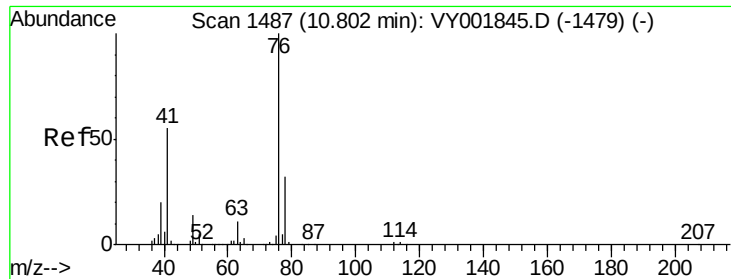


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

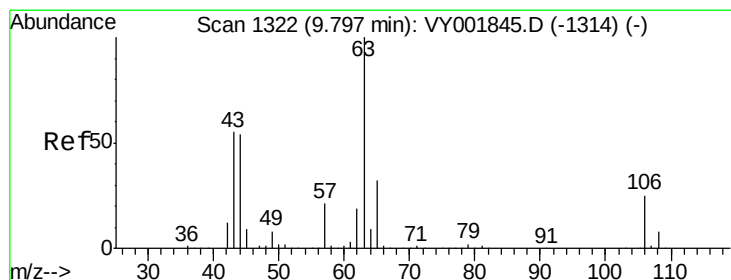
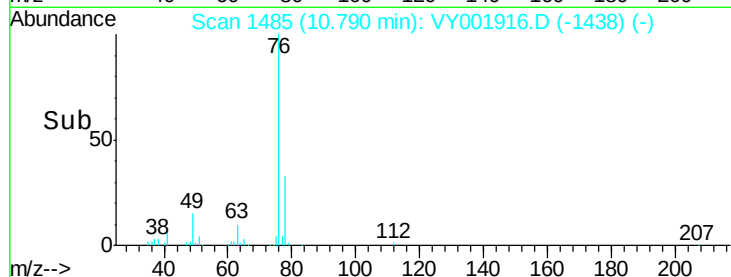
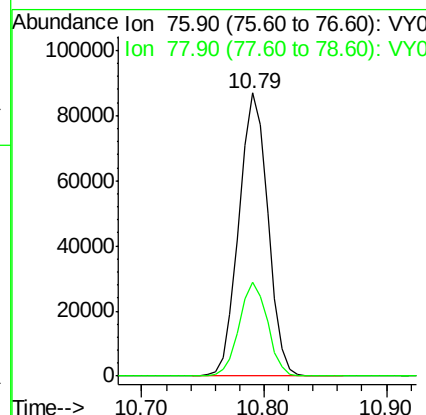
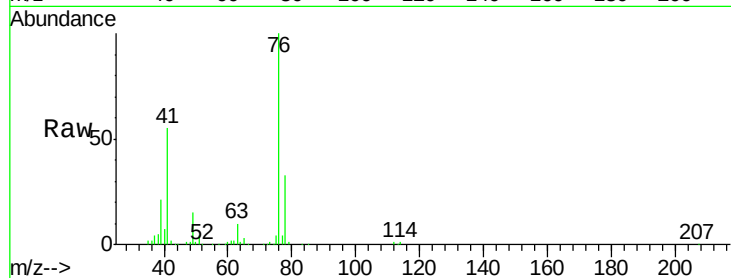




#57
 1,3-Dichloropropane
 Concen: 47.78 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

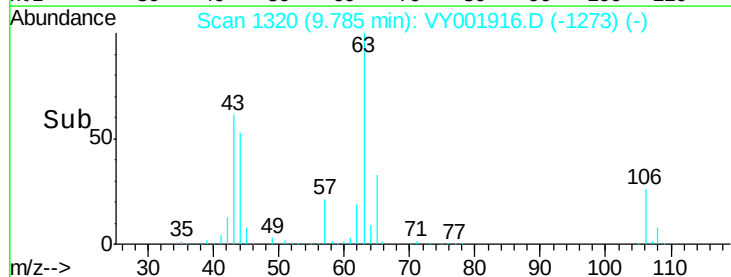
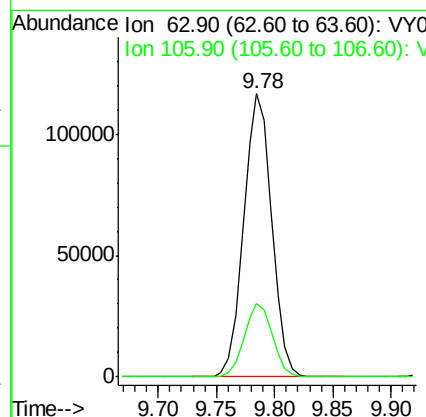
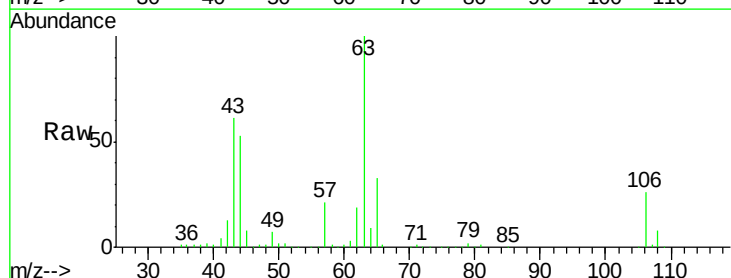
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

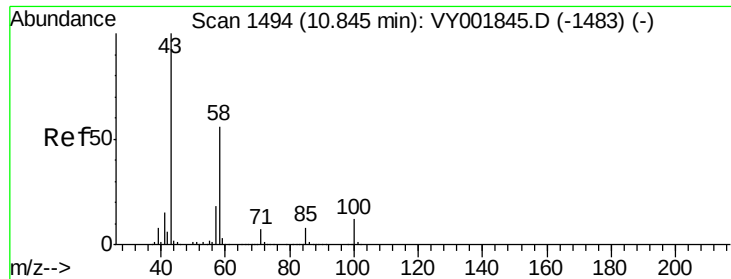
Tgt Ion: 76 Resp: 141995
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.99 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 63 Resp: 194943
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.3 31.9

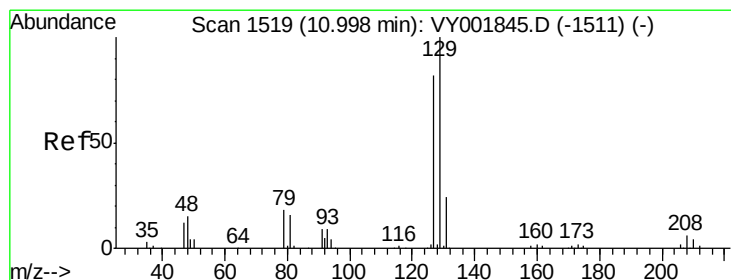
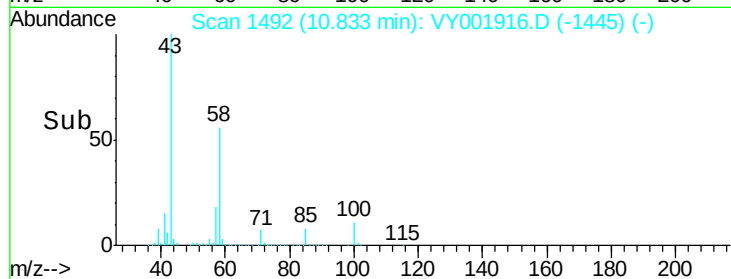
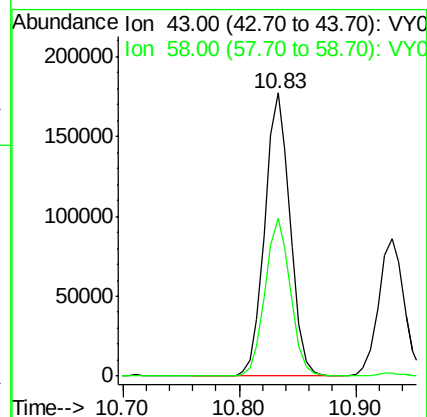
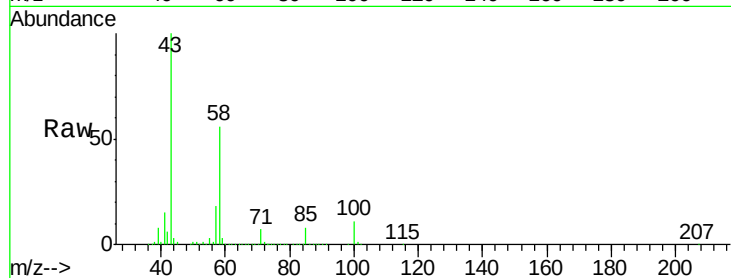




#59
2-Hexanone
Concen: 223.76 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

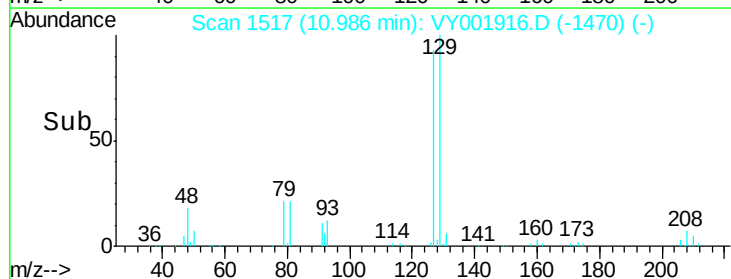
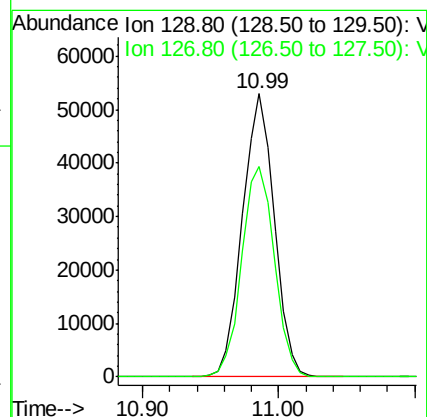
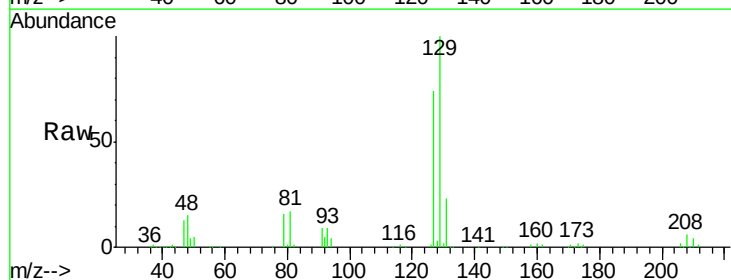
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

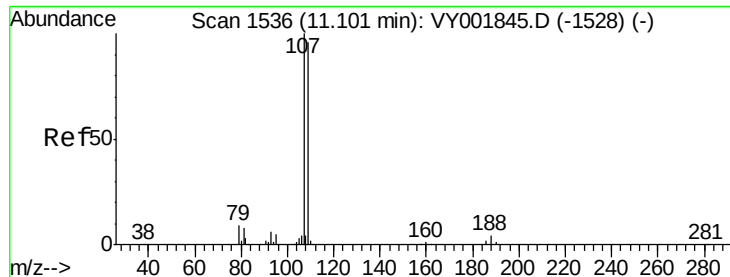
Tgt Ion: 43 Resp: 268558
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 49.41 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 129 Resp: 86803
Ion Ratio Lower Upper
129 100
127 76.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 47.41 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

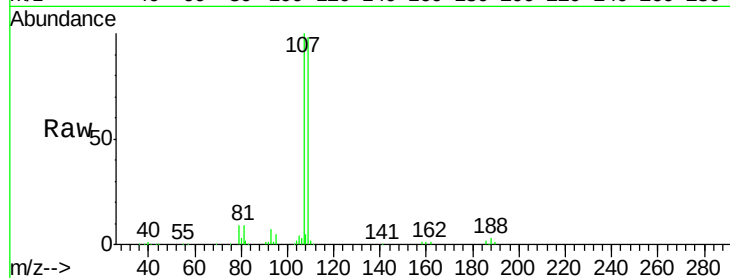
VSTDCCC050EC

Tgt Ion: 107 Resp: 74867

Ion Ratio Lower Upper

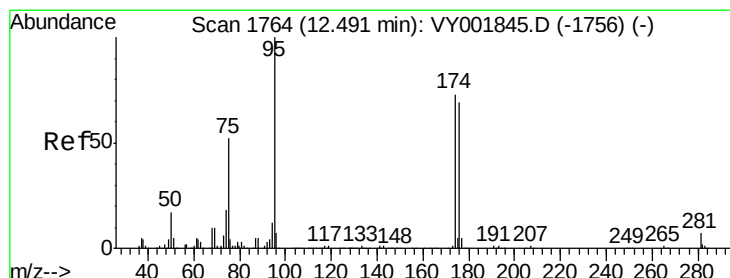
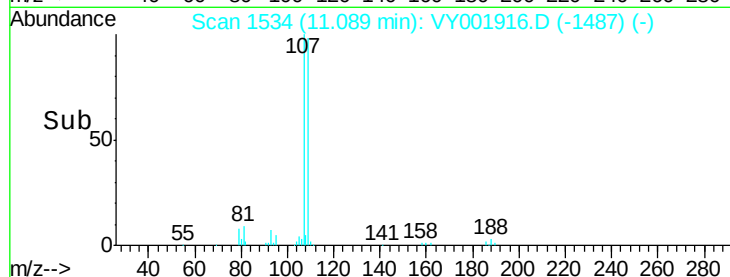
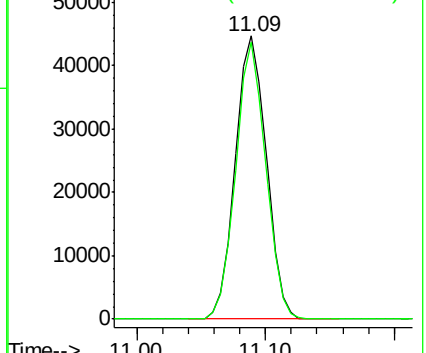
107 100

109 94.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.97 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

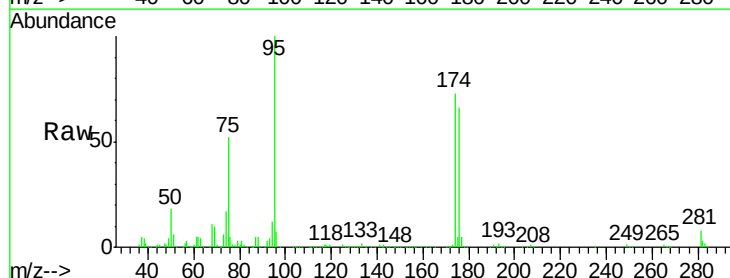
Tgt Ion: 95 Resp: 123342

Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.0

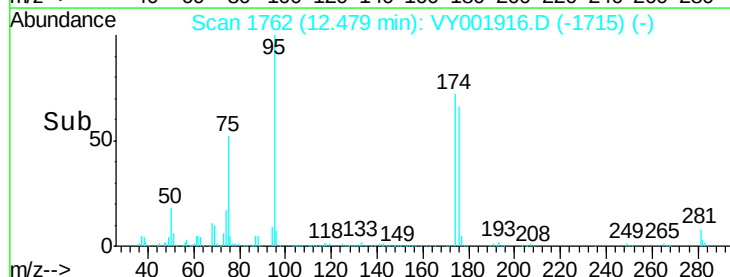
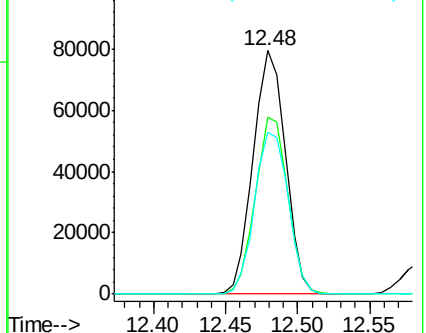
176 69.1 0.0 137.4

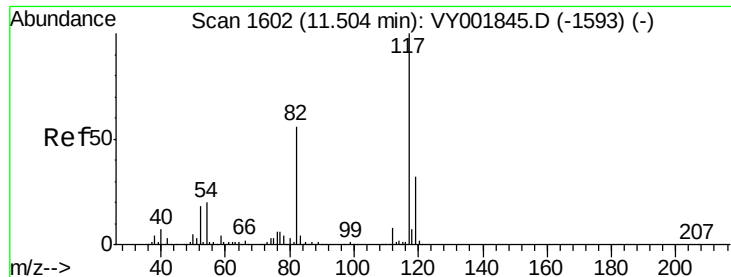


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

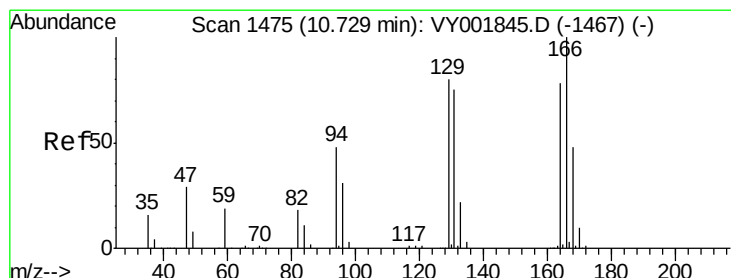
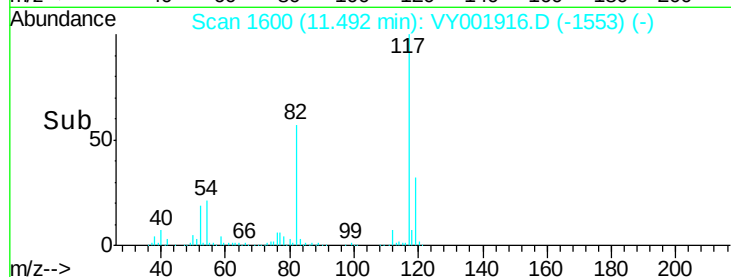
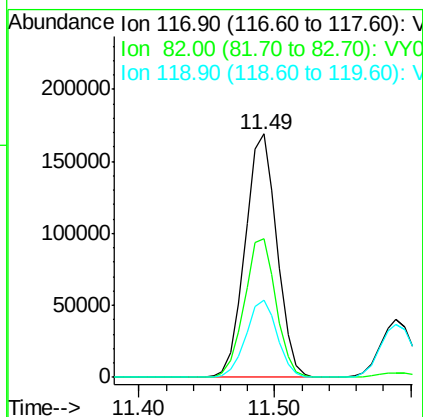
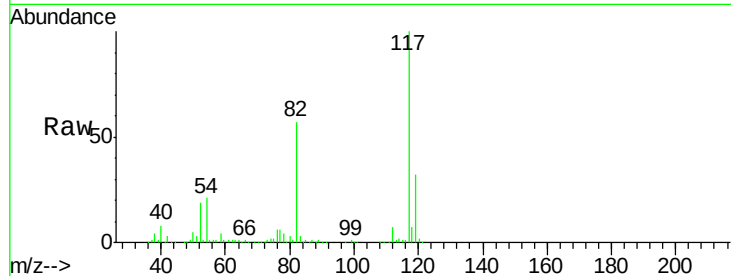




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

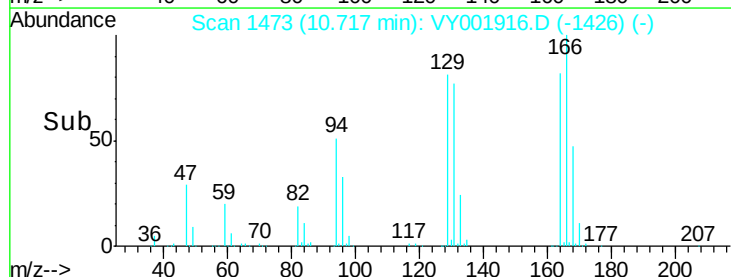
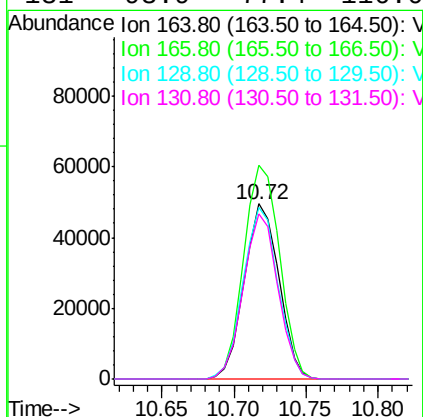
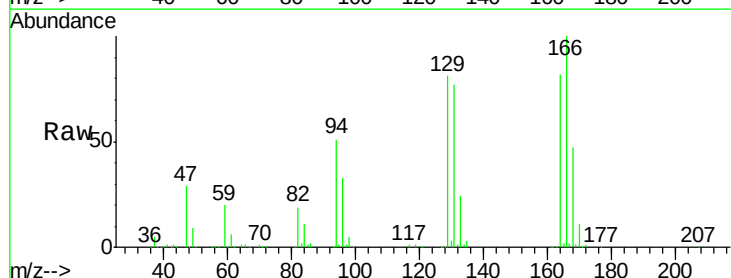
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

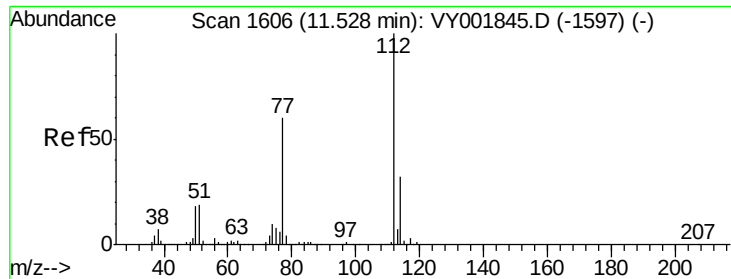
Tgt Ion:117 Resp: 275924
Ion Ratio Lower Upper
117 100
82 56.9 44.5 66.7
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 47.76 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion:164 Resp: 82640
Ion Ratio Lower Upper
164 100
166 121.9 102.6 154.0
129 98.2 82.3 123.5
131 93.9 77.4 116.0





#65

Chlorobenzene

Concen: 48.26 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

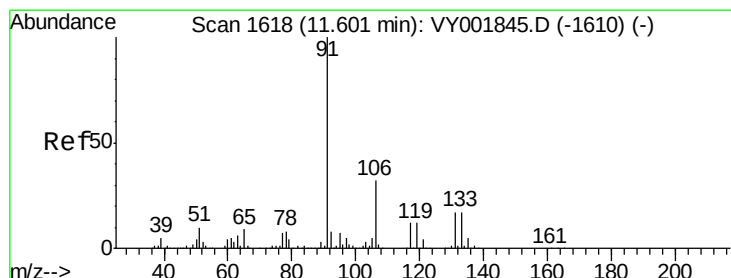
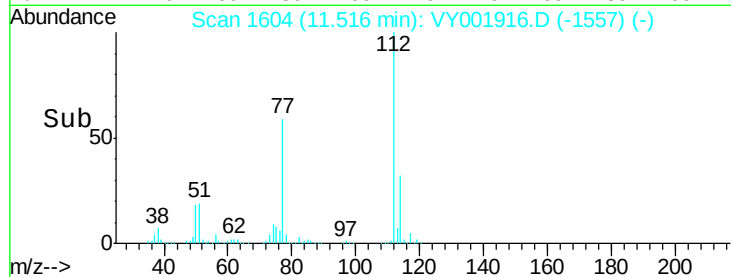
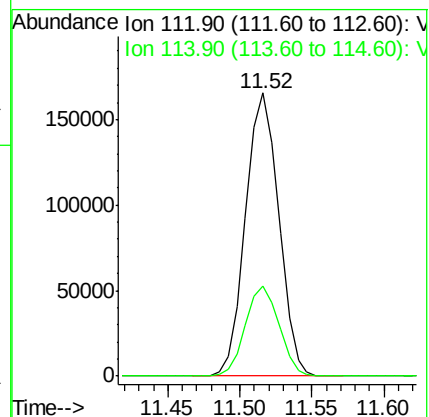
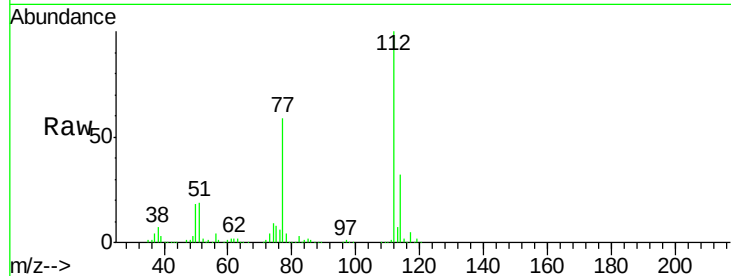
VSTDCCC050EC

Tgt Ion:112 Resp: 265333

Ion Ratio Lower Upper

112 100

114 31.7 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 49.93 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

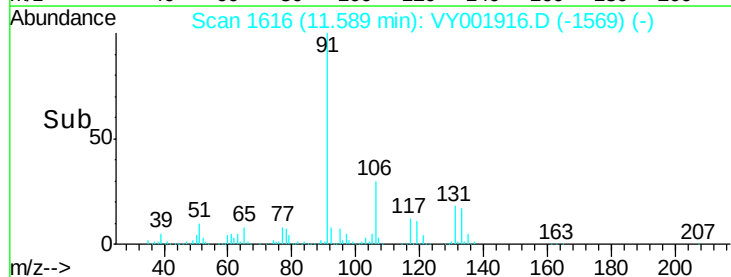
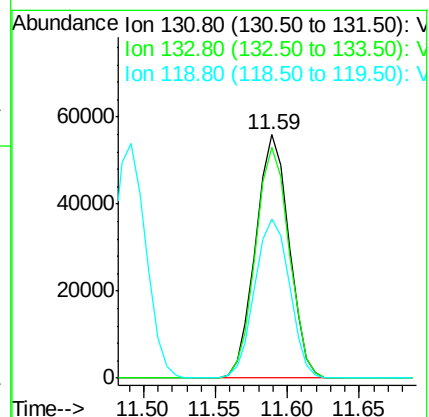
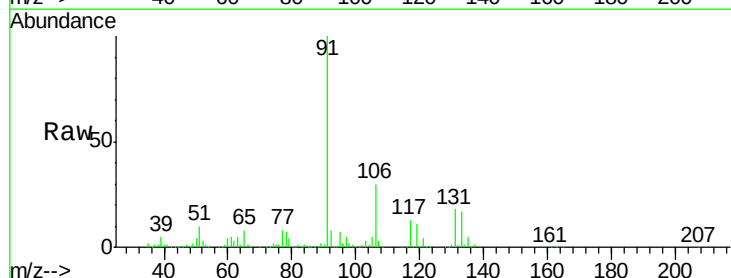
Tgt Ion:131 Resp: 90020

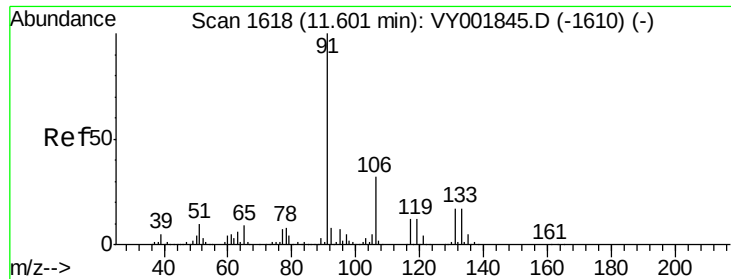
Ion Ratio Lower Upper

131 100

133 95.2 47.1 141.3

119 68.1 34.5 103.6

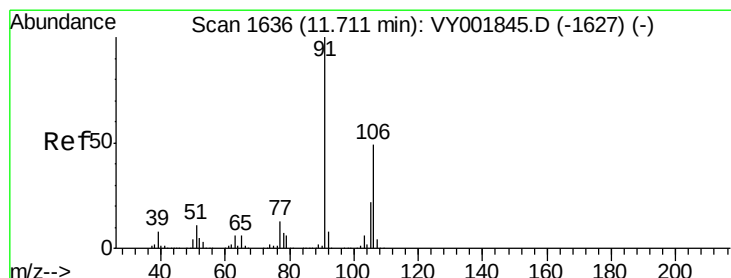
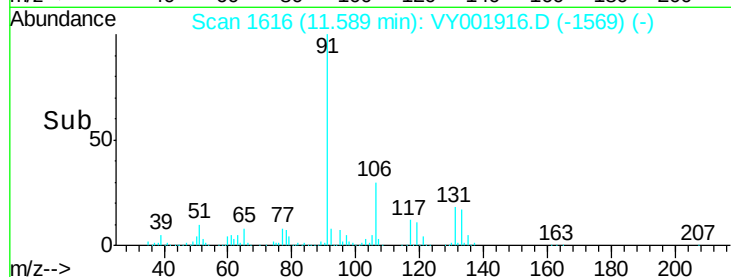
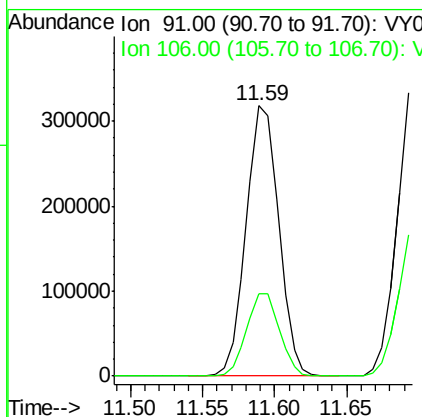
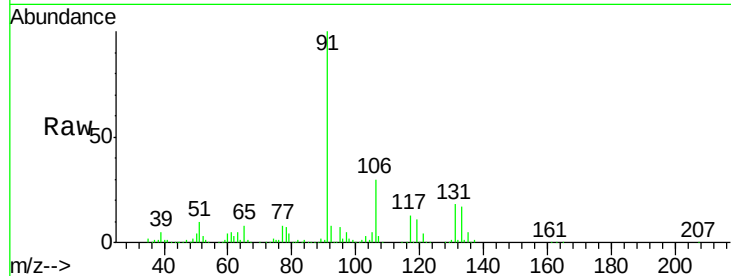




#67
Ethyl Benzene
Concen: 48.64 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

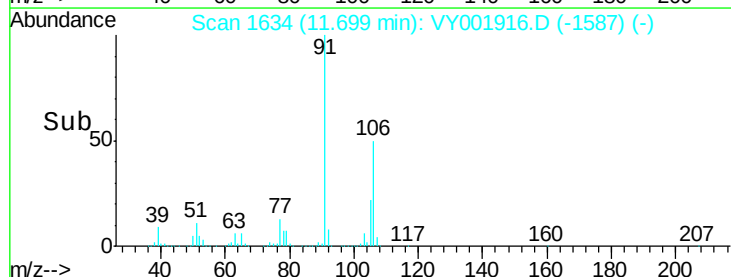
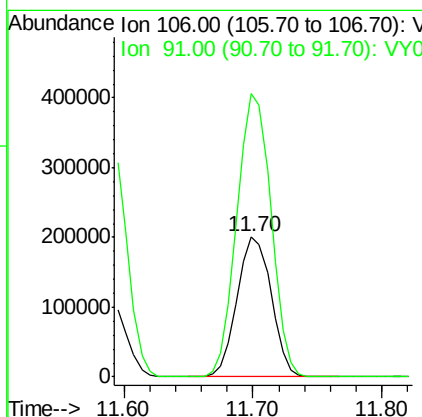
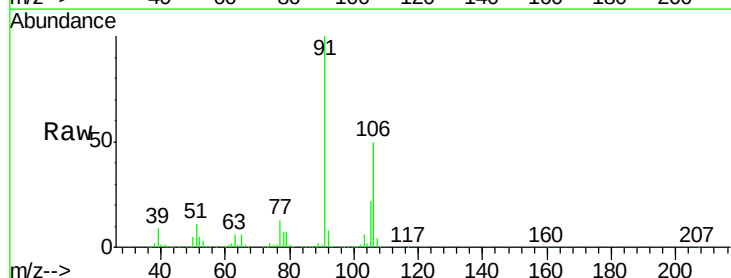
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

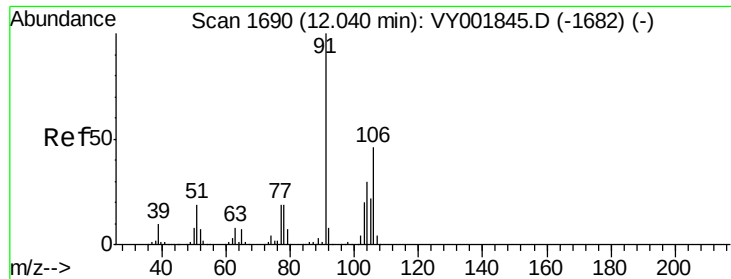
Tgt Ion: 91 Resp: 498716
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2



#68
m/p-Xylenes
Concen: 97.63 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 106 Resp: 370088
Ion Ratio Lower Upper
106 100
91 202.2 161.3 241.9

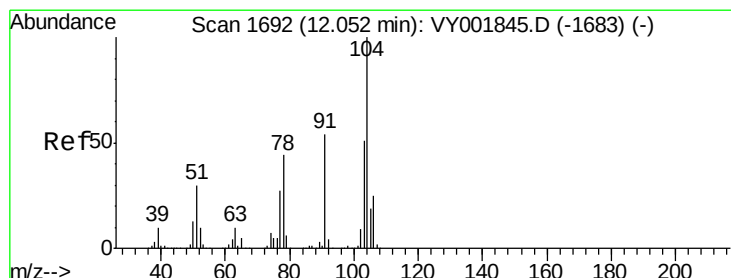
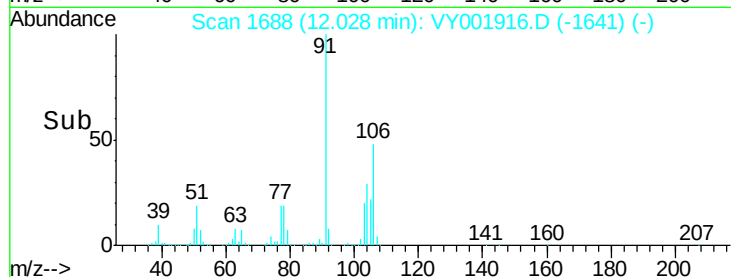
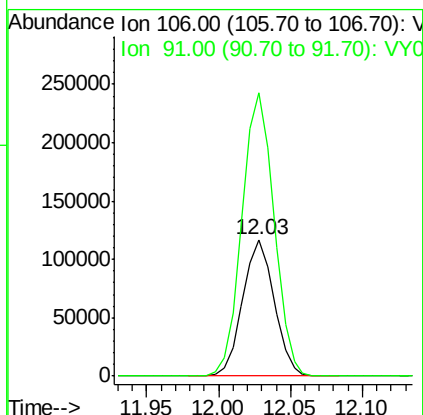
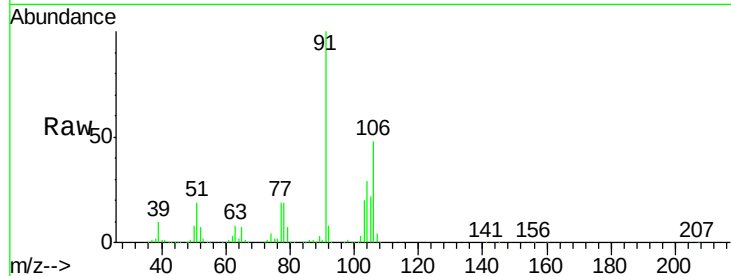




#69
o-Xylene
Concen: 49.58 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

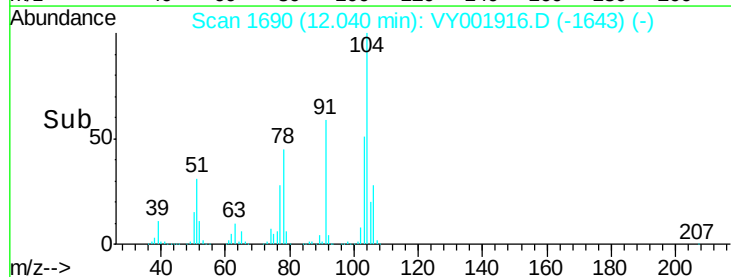
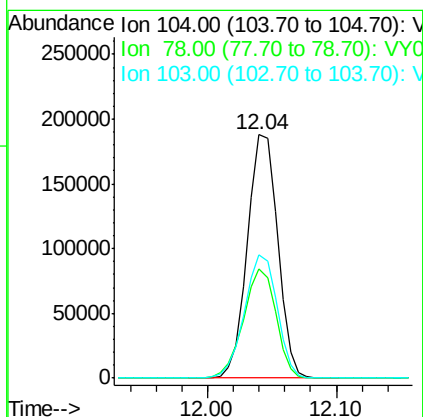
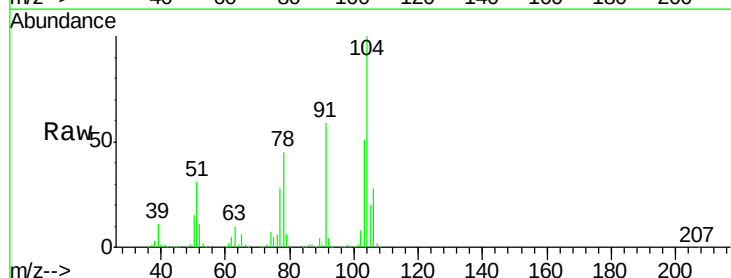
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

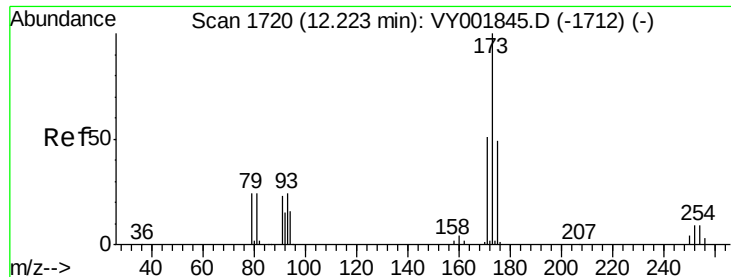
Tgt Ion:106 Resp: 177142
Ion Ratio Lower Upper
106 100
91 211.0 106.8 320.4



#70
Styrene
Concen: 49.94 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion:104 Resp: 305627
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 54.6 42.9 64.3





#71

Bromoform

Concen: 48.35 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.02 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

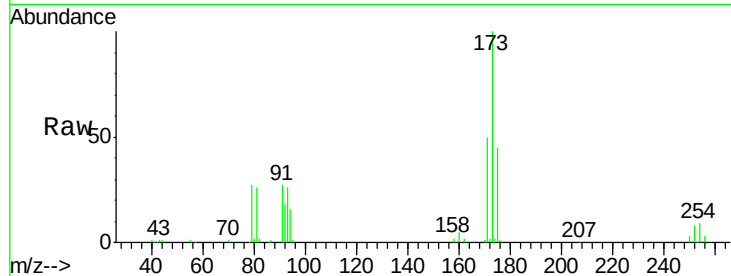
Tgt Ion:173 Resp: 47278

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

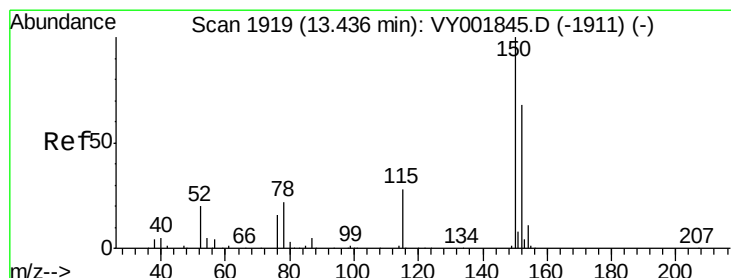
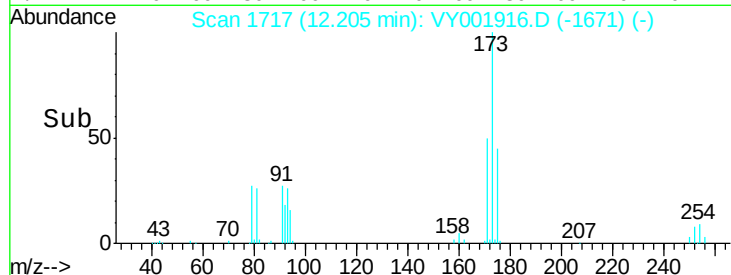
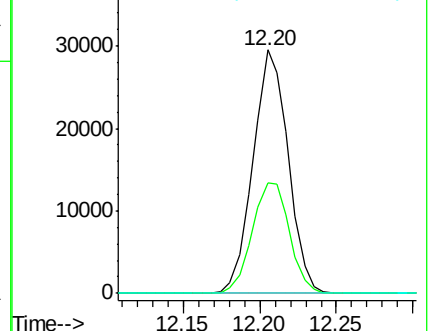
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

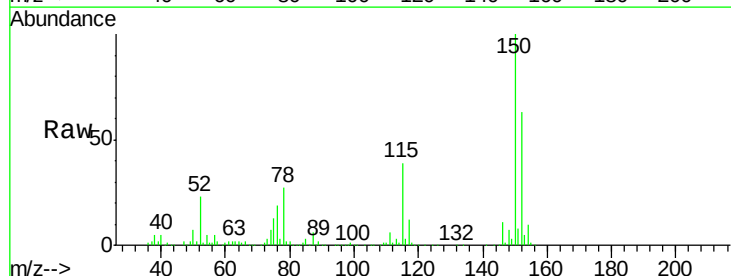
Tgt Ion:152 Resp: 124867

Ion Ratio Lower Upper

152 100

115 62.6 29.9 89.7

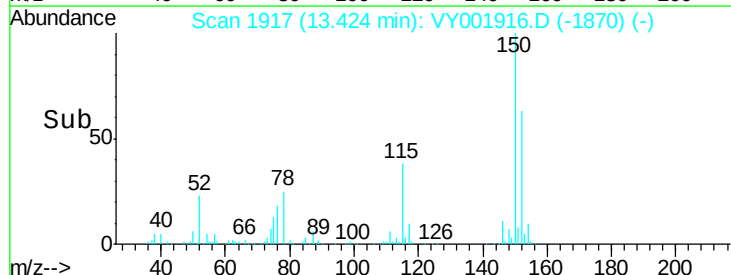
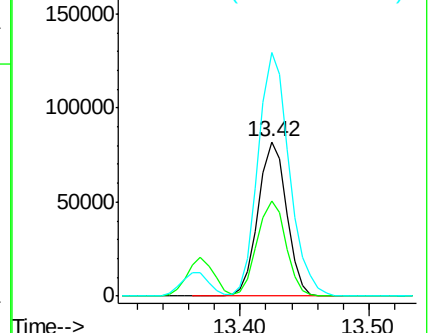
150 173.2 0.0 340.6

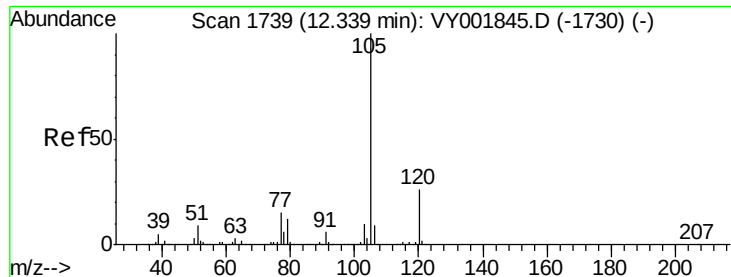


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

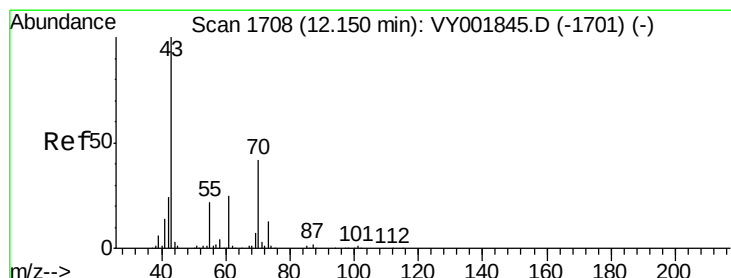
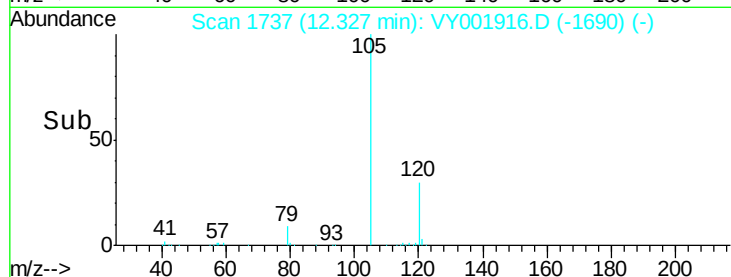
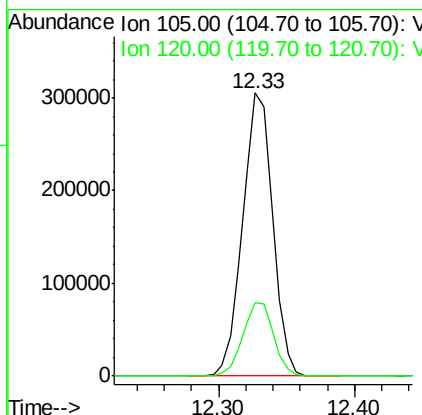
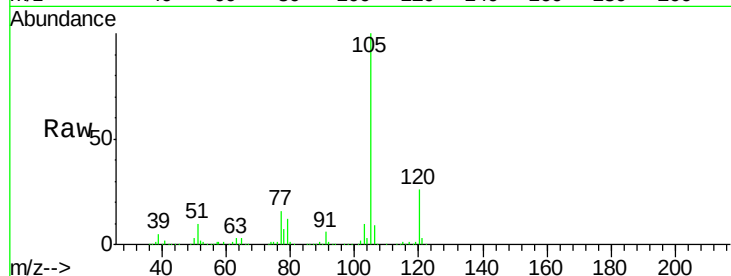




#73
Isopropylbenzene
Concen: 49.64 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

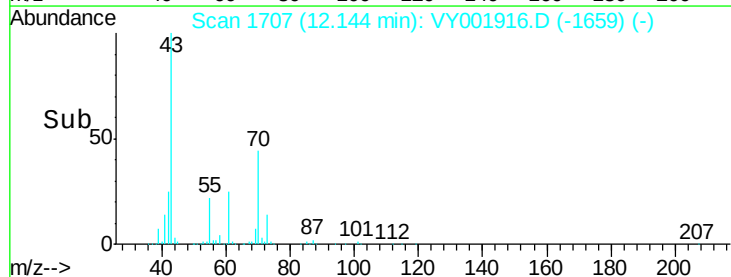
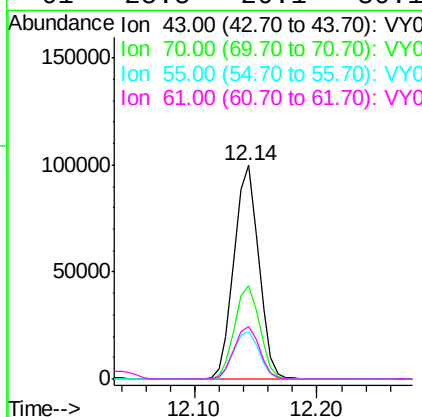
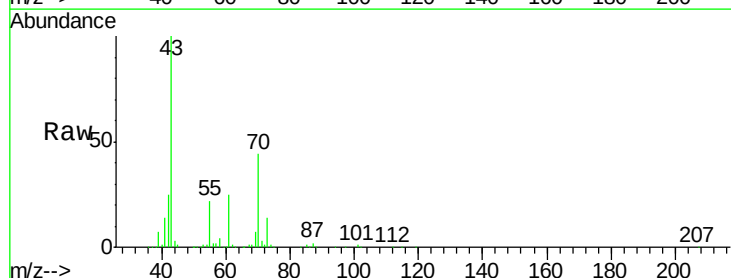
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

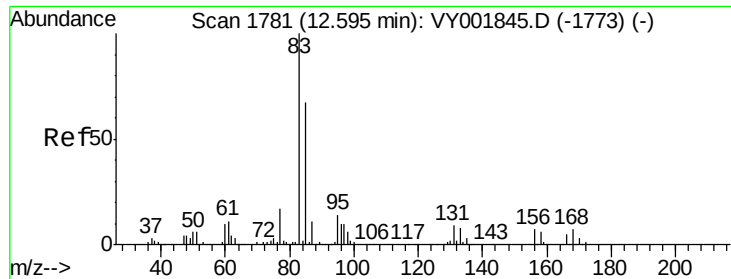
Tgt Ion: 105 Resp: 473123
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3



#74
N-ethyl acetate
Concen: 47.75 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 43 Resp: 139891
Ion Ratio Lower Upper
43 100
70 44.3 34.7 52.1
55 23.1 18.2 27.4
61 25.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.50 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

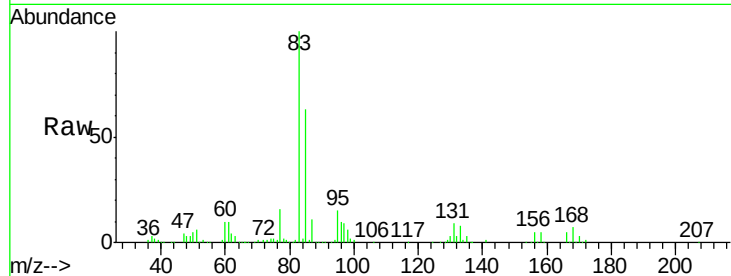
Tgt Ion: 83 Resp: 97639

Ion Ratio Lower Upper

83 100

131 9.0 4.6 13.8

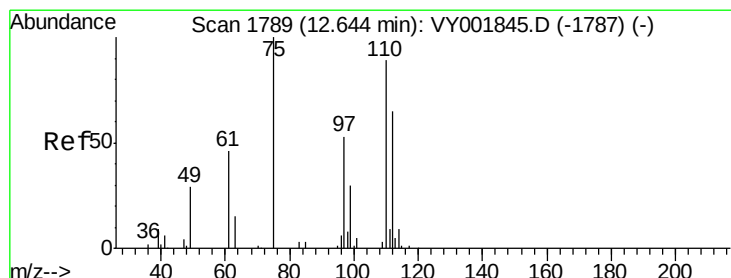
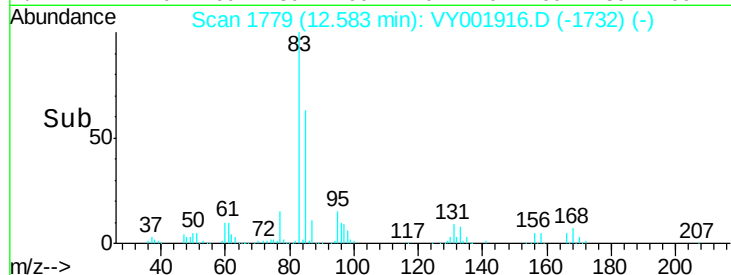
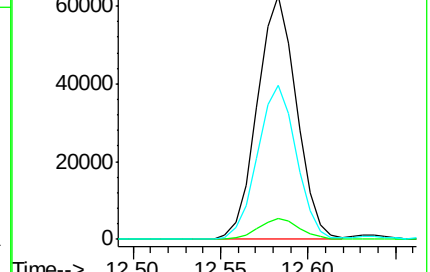
85 62.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY001916.D (-1732) (-)

Ion 130.80 (130.50 to 131.50): VY001916.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VY001916.D (-1732) (-)



#76

1,2,3-Trichloropropane

Concen: 84.84 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY001916.D

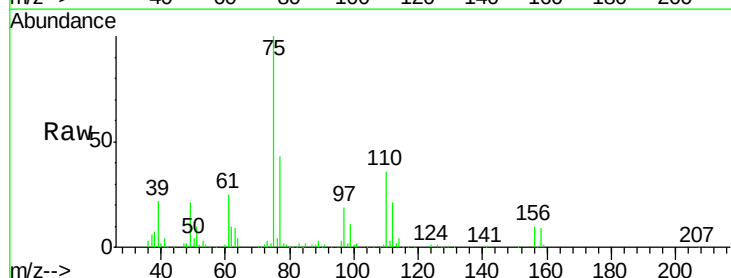
Acq: 09 Mar 2020 18:16

Tgt Ion: 75 Resp: 125701

Ion Ratio Lower Upper

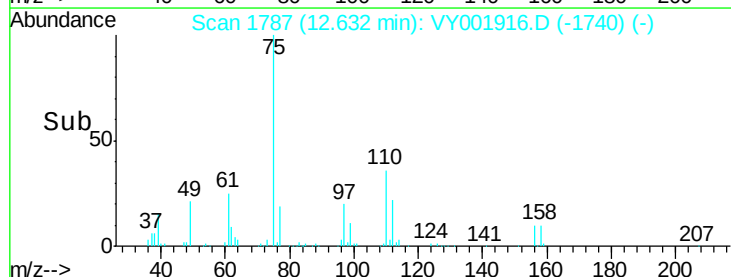
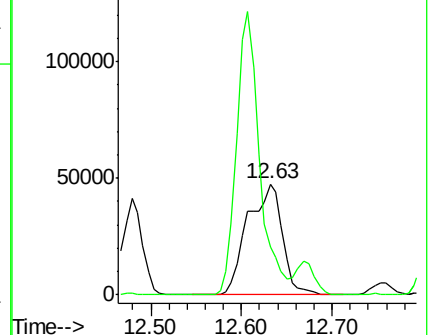
75 100

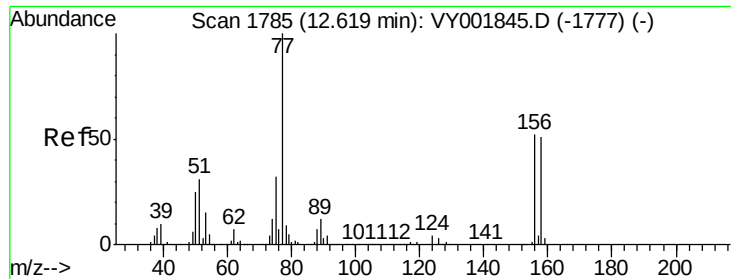
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001916.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY001916.D (-1740) (-)





#77

Bromobenzene

Concen: 49.22 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

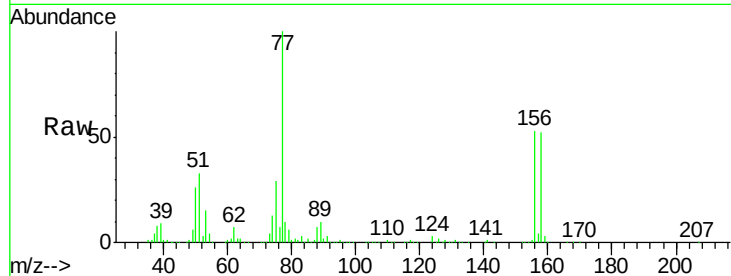
Tgt Ion:156 Resp: 99394

Ion Ratio Lower Upper

156 100

77 214.4 109.0 327.0

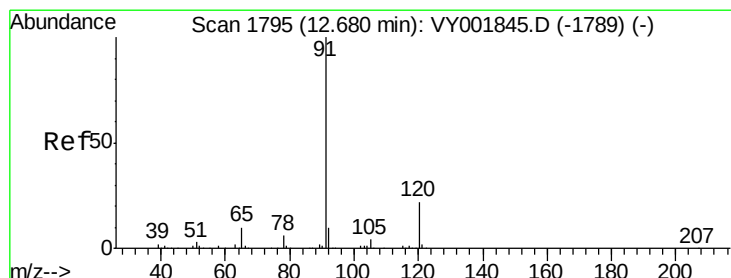
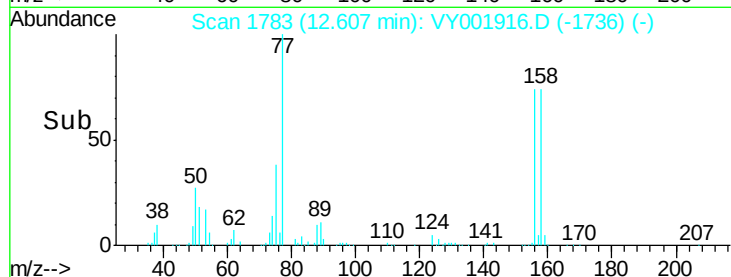
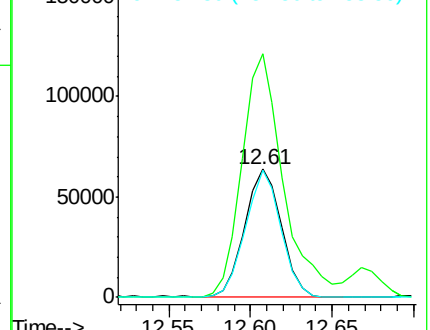
158 96.6 48.9 146.8



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: 49.84 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY001916.D

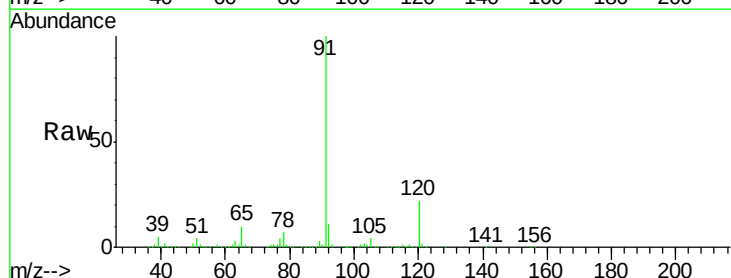
Acq: 09 Mar 2020 18:16

Tgt Ion: 91 Resp: 586065

Ion Ratio Lower Upper

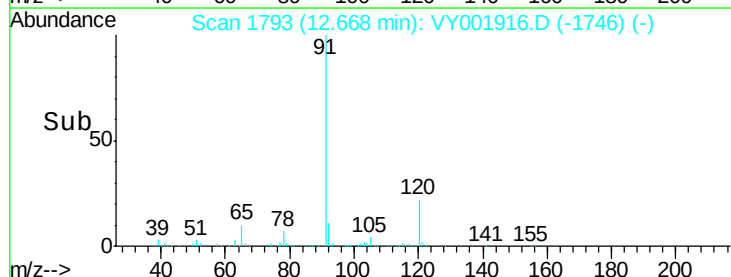
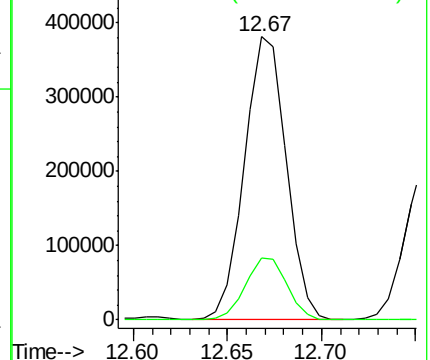
91 100

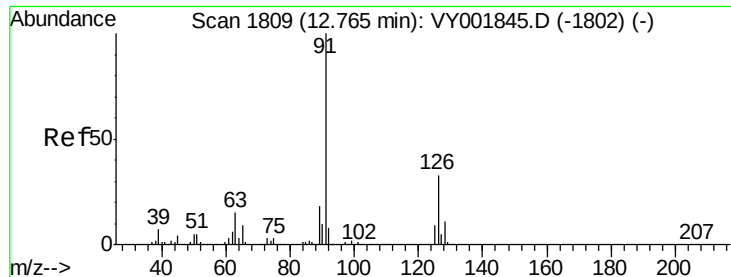
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.74 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

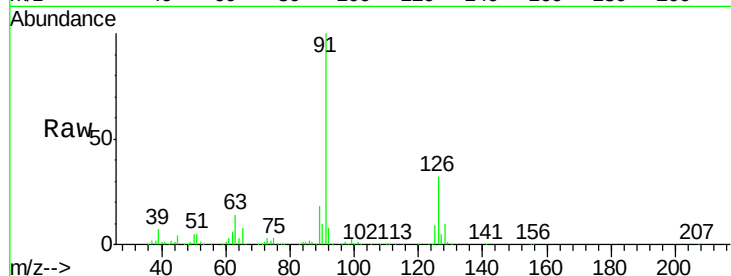
VSTDCCC050EC

Tgt Ion: 91 Resp: 323187

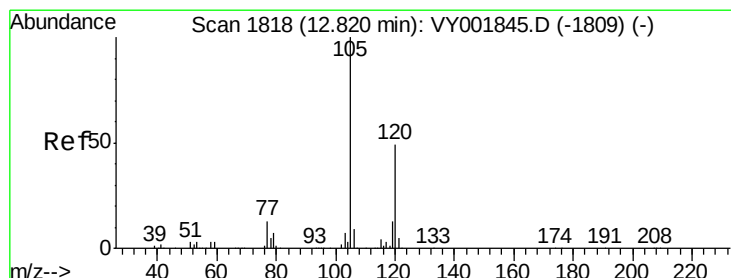
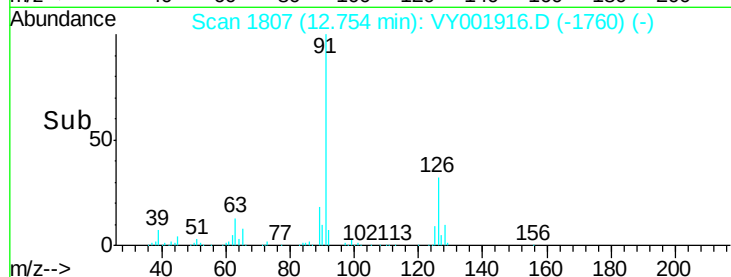
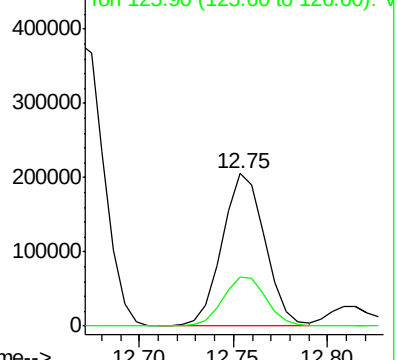
Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.11 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY001916.D

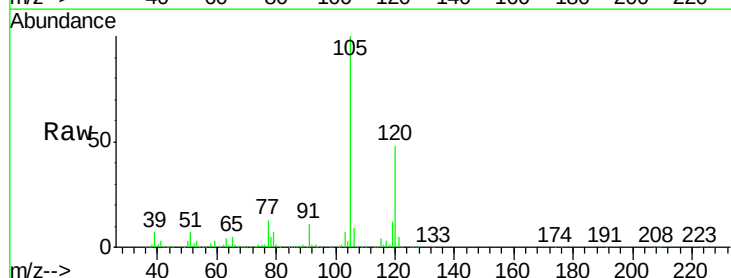
Acq: 09 Mar 2020 18:16

Tgt Ion: 105 Resp: 393232

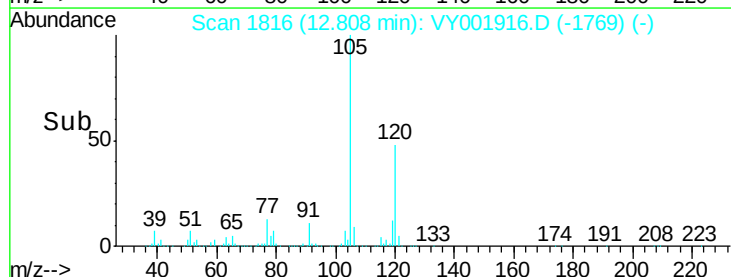
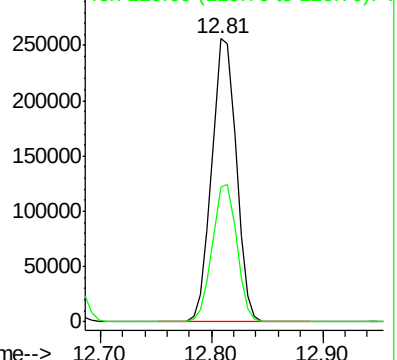
Ion Ratio Lower Upper

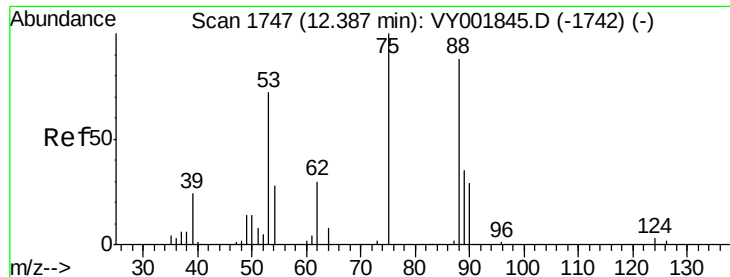
105 100

120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)

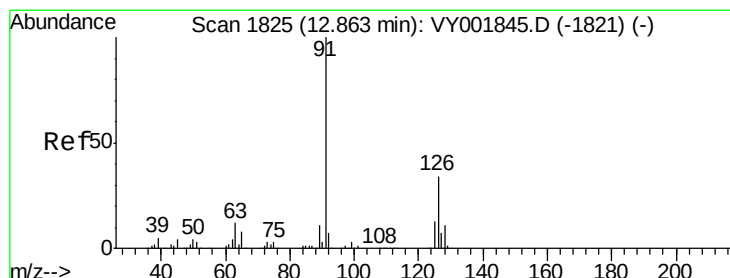
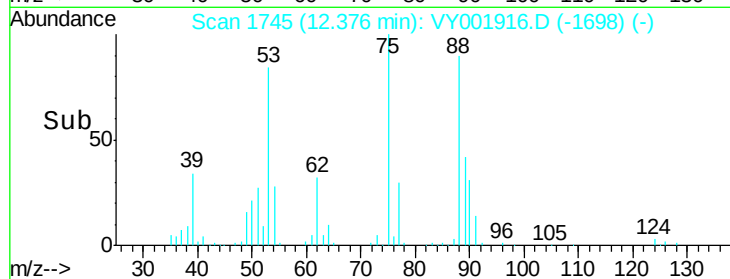
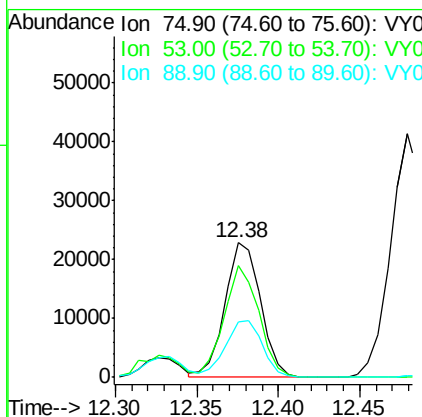
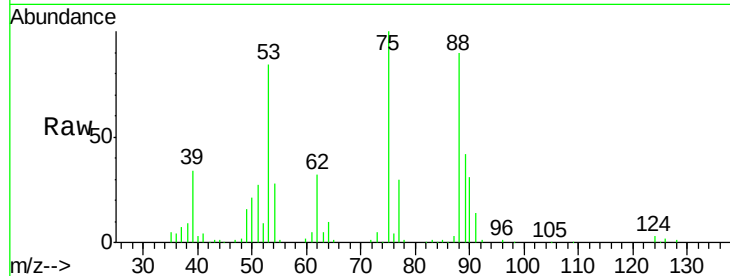




#81
trans-1,4-Dichloro-2-butene
Concen: 47.58 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

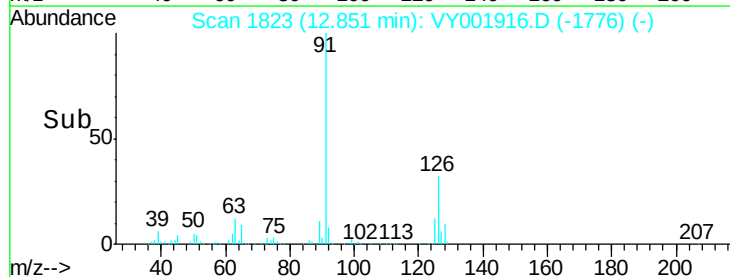
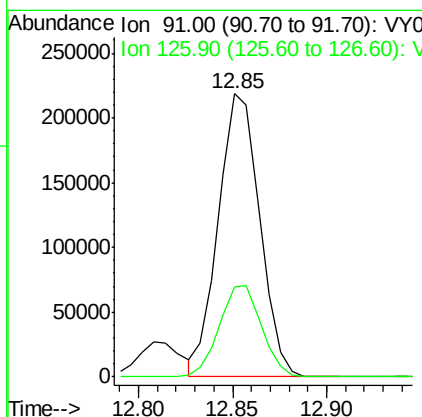
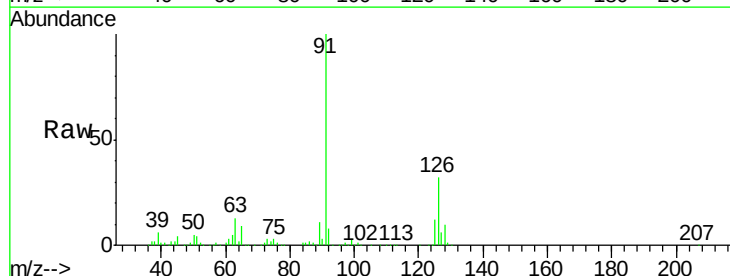
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

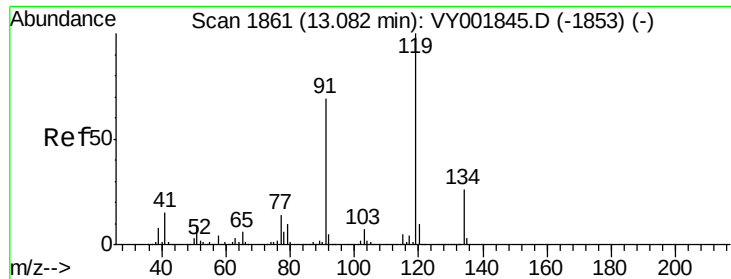
Tgt Ion: 75 Resp: 34900
Ion Ratio Lower Upper
75 100
53 80.4 65.4 98.0
89 43.4 36.0 54.0



#82
4-Chlorotoluene
Concen: 49.30 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 91 Resp: 333512
Ion Ratio Lower Upper
91 100
126 32.9 16.4 49.2

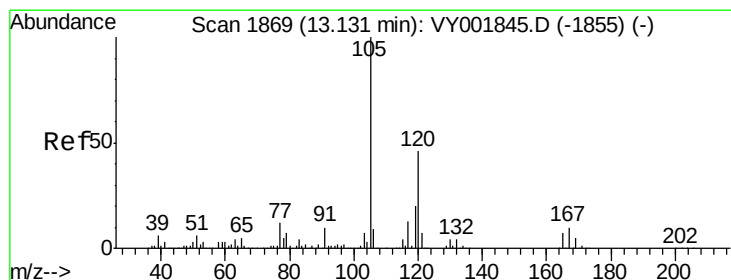
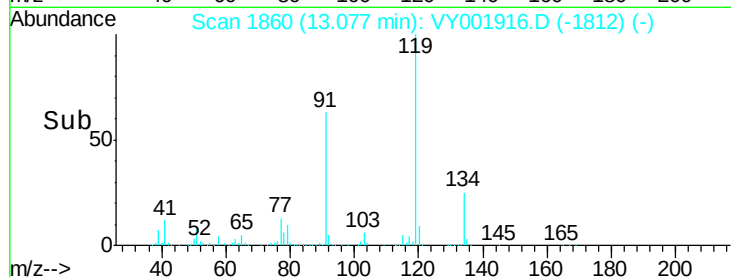
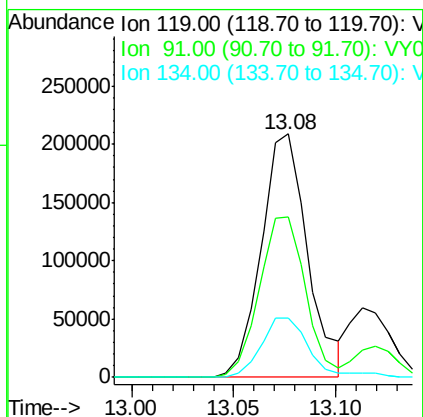
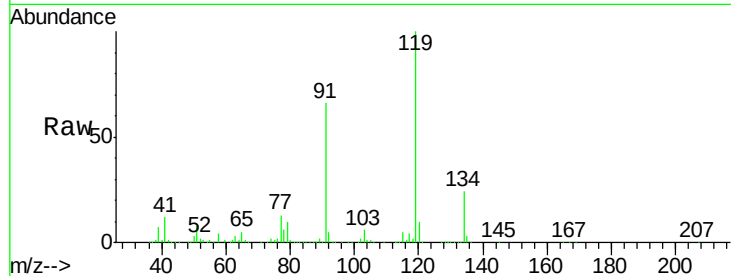




#83
 tert-Butylbenzene
 Concen: 50.80 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

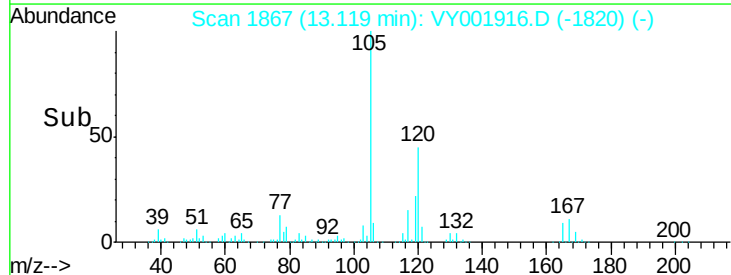
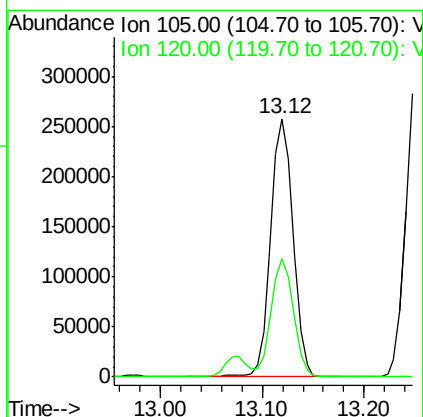
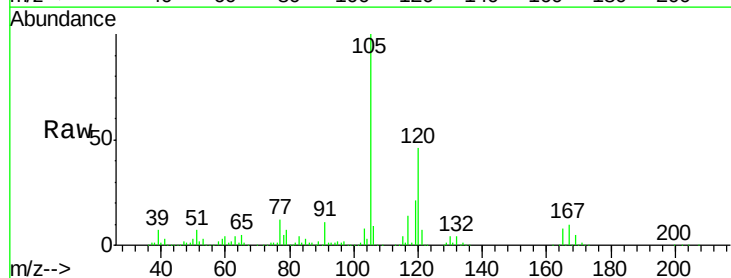
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

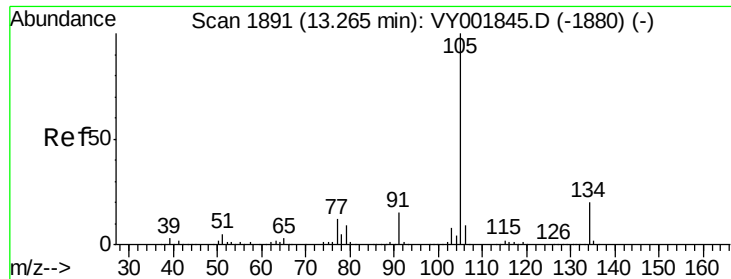
Tgt Ion:119 Resp: 331110
 Ion Ratio Lower Upper
 119 100
 91 65.6 34.0 101.8
 134 25.9 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.99 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion:105 Resp: 389291
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 49.90 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

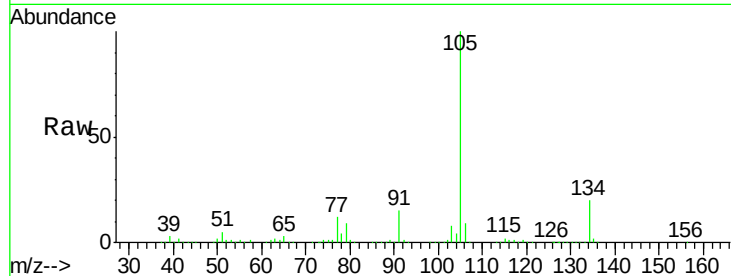
VSTDCCC050EC

Tgt Ion:105 Resp: 479368

Ion Ratio Lower Upper

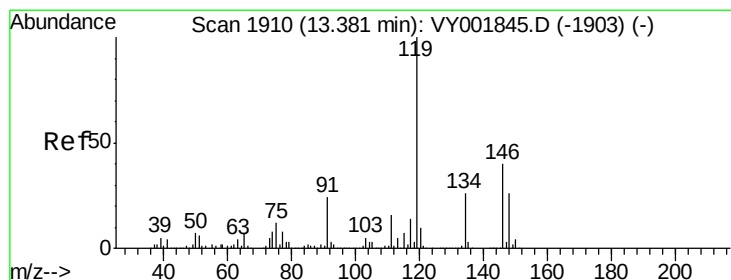
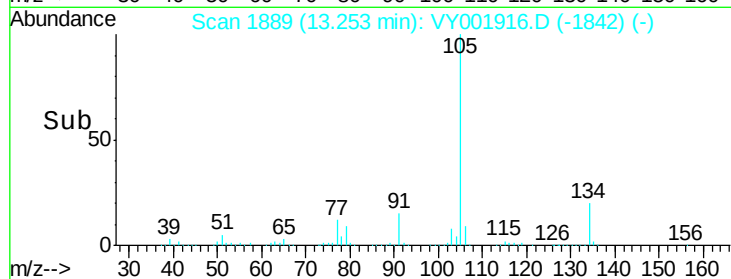
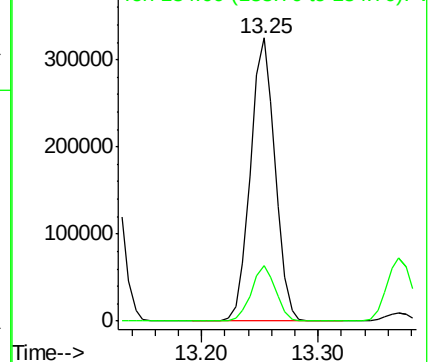
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.05 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001916.D

Acq: 09 Mar 2020 18:16

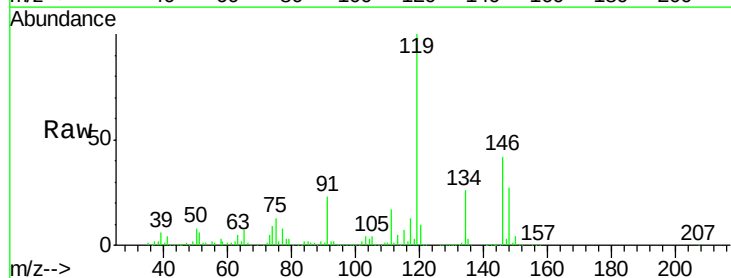
Tgt Ion:119 Resp: 414740

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

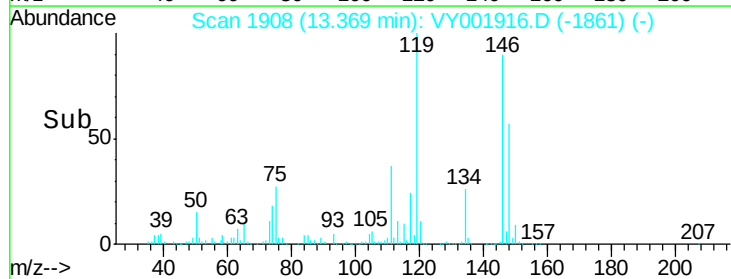
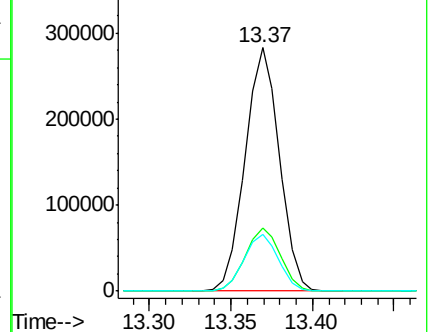
91 23.5 11.9 35.7

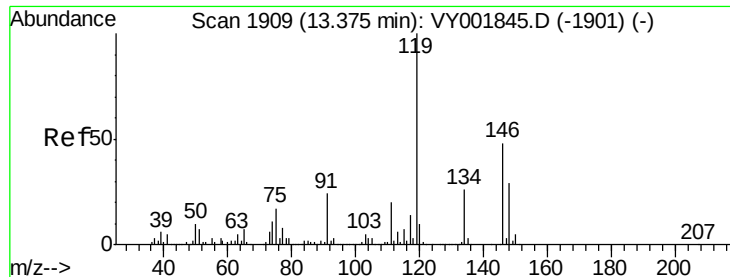


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

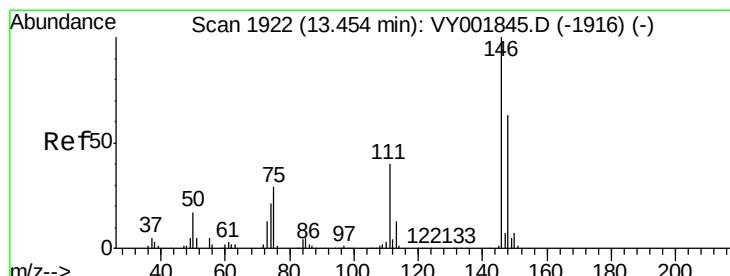
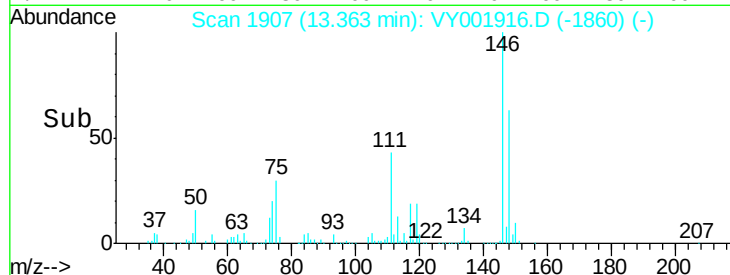
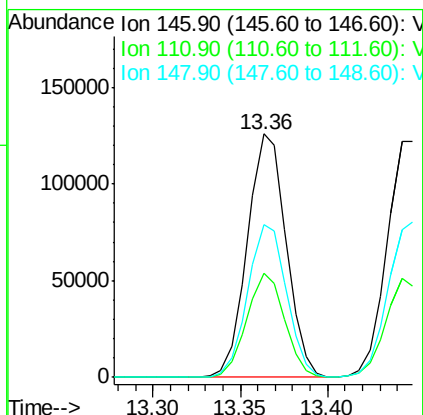
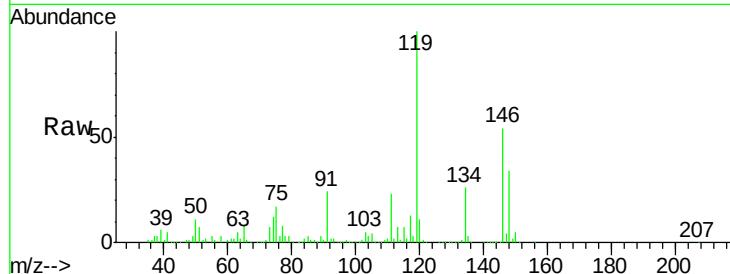




#87
 1,3-Dichlorobenzene
 Concen: 49.09 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

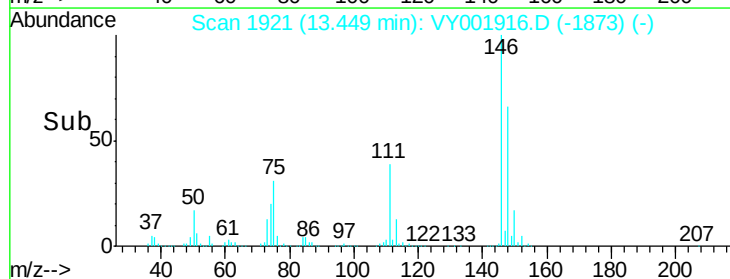
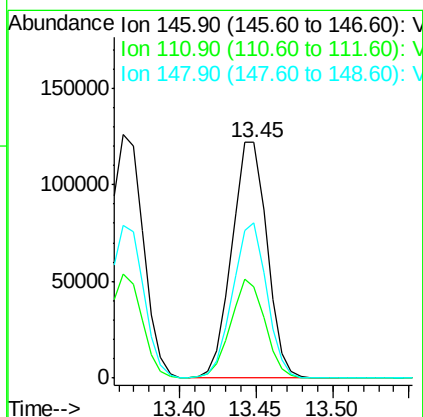
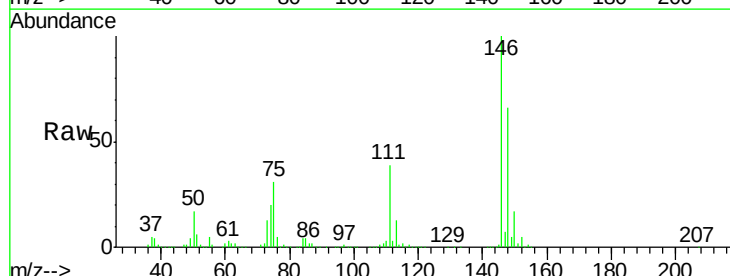
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

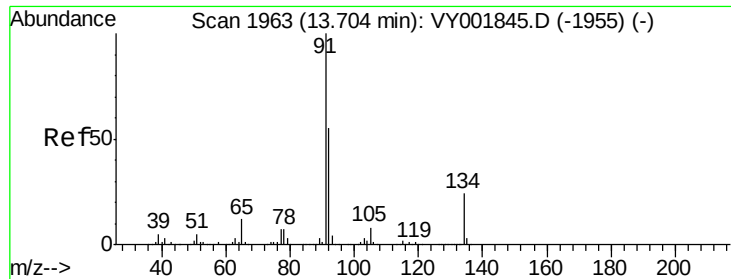
Tgt Ion:146 Resp: 194276
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.5
 148 62.8 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 48.63 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion:146 Resp: 195243
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 60.0
 148 63.6 31.5 94.5

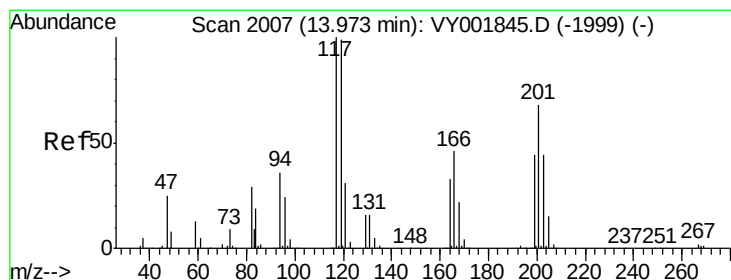
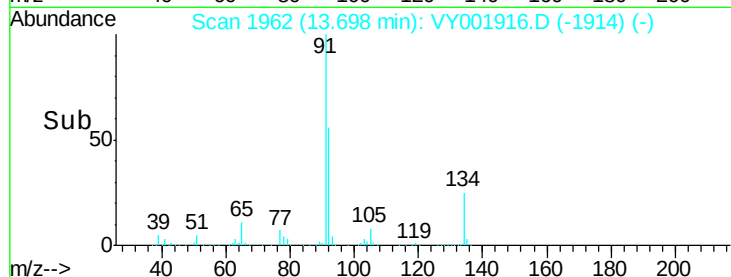
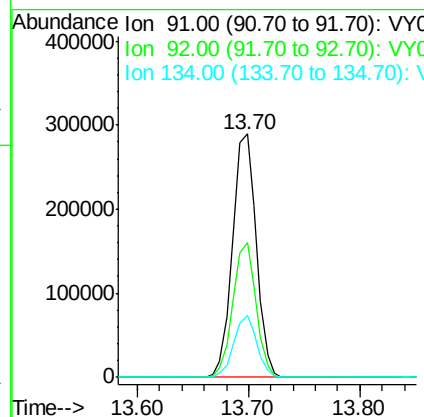
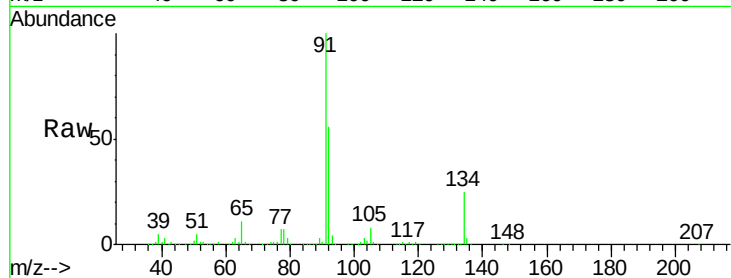




#89
n-Butylbenzene
Concen: 49.59 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

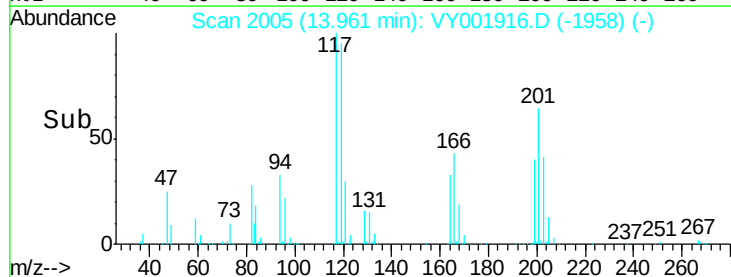
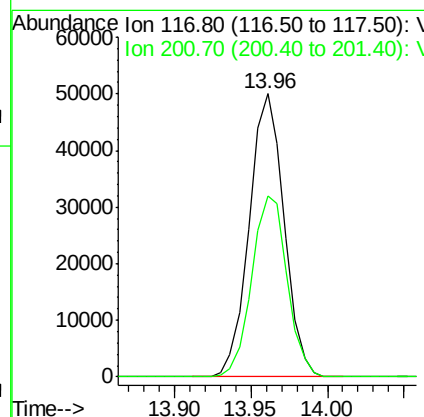
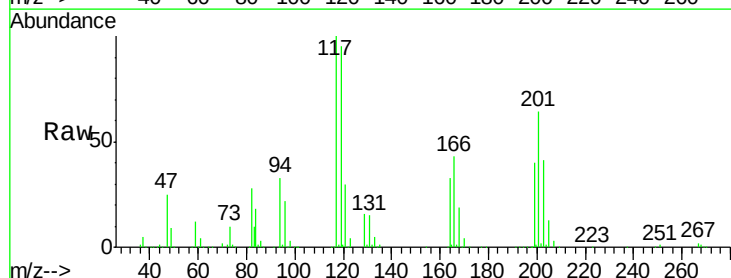
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

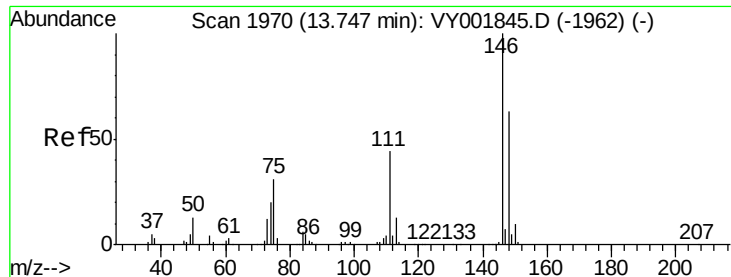
Tgt Ion: 91 Resp: 426371
Ion Ratio Lower Upper
91 100
92 54.1 27.5 82.4
134 24.5 12.5 37.5



#90
Hexachloroethane
Concen: 50.59 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion: 117 Resp: 79095
Ion Ratio Lower Upper
117 100
201 64.9 32.5 97.5

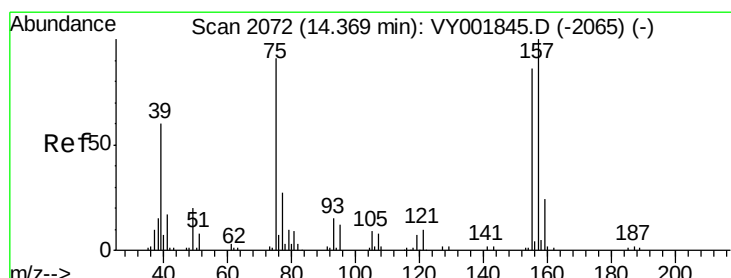
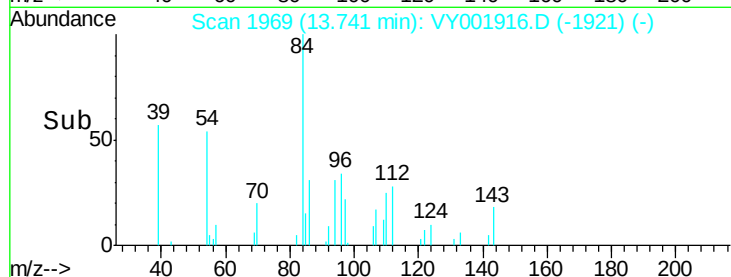
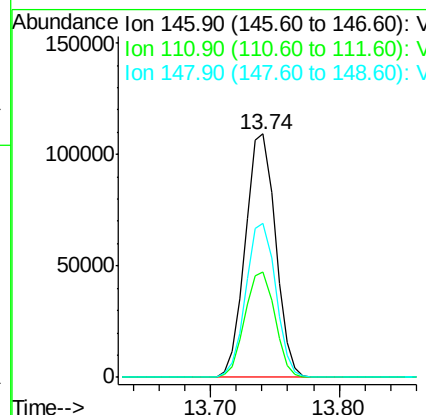
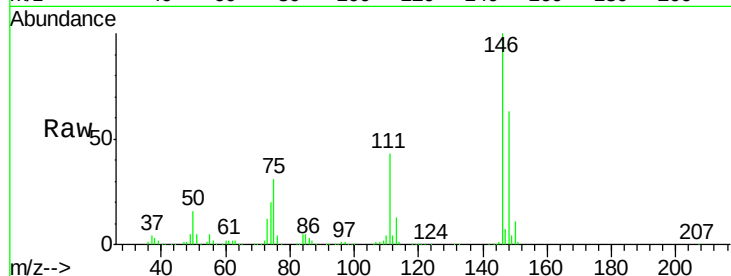




#91
 1,2-Dichlorobenzene
 Concen: 49.25 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

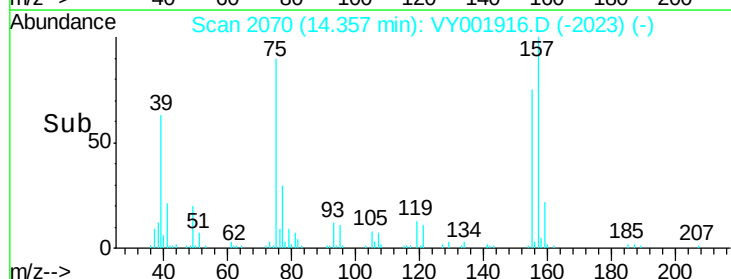
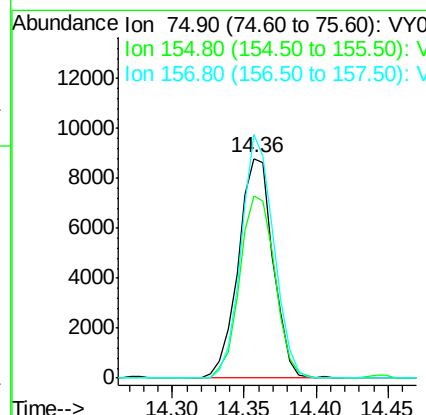
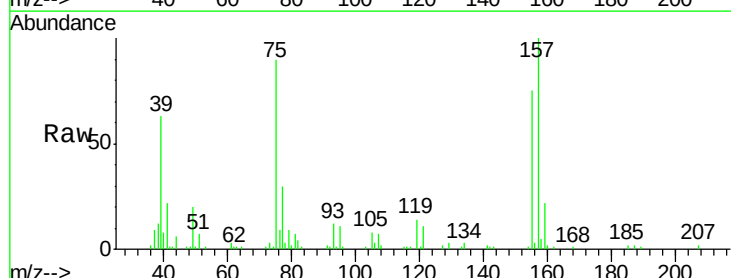
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

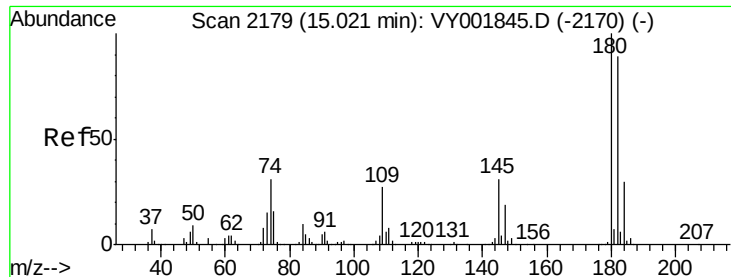
Tgt Ion:146 Resp: 177061
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 62.7 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.81 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion: 75 Resp: 14695
 Ion Ratio Lower Upper
 75 100
 155 84.1 42.9 128.7
 157 103.5 53.1 159.4

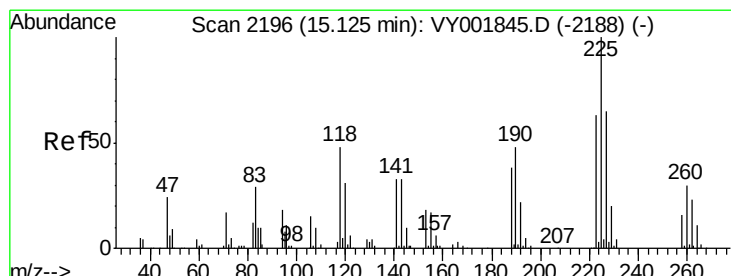
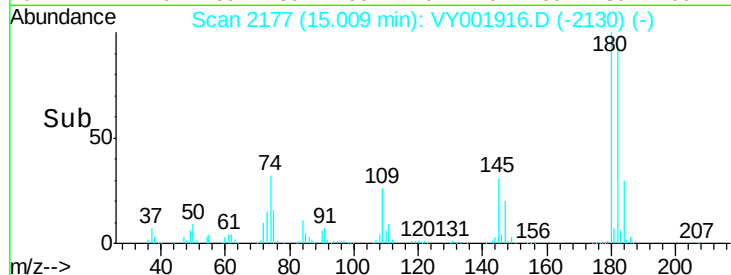
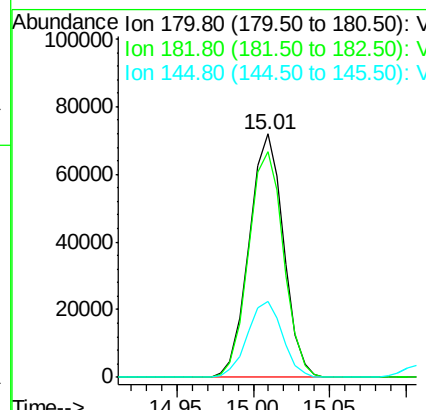
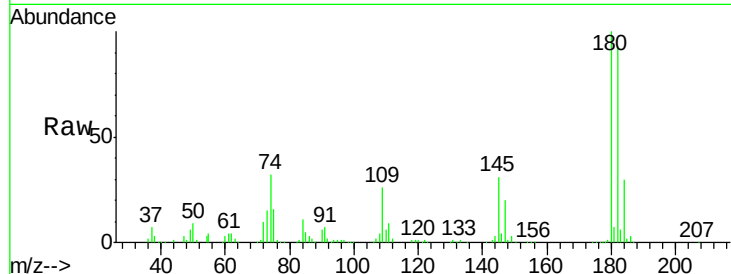




#93
 1,2,4-Trichlorobenzene
 Concen: 48.26 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

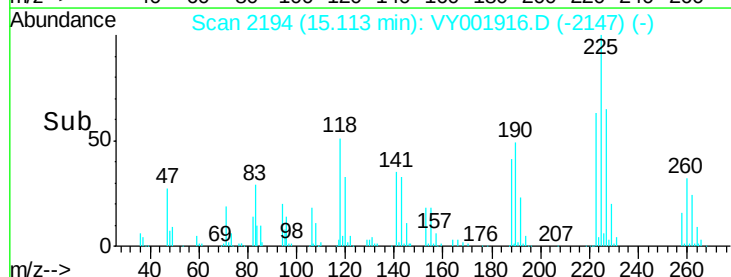
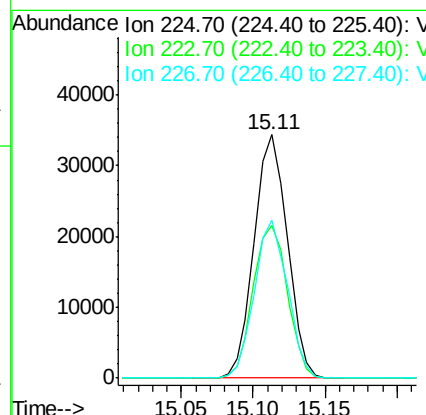
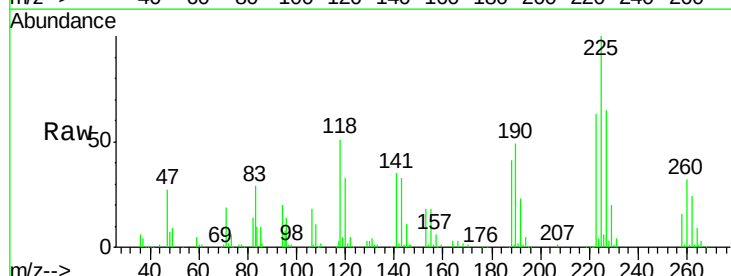
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

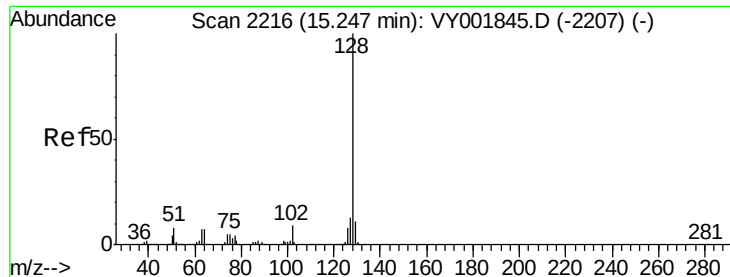
Tgt Ion:180 Resp: 112525
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.1 138.3
 145 31.8 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 48.32 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001916.D
 Acq: 09 Mar 2020 18:16

Tgt Ion:225 Resp: 54928
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.5 94.5
 227 64.2 31.9 95.5

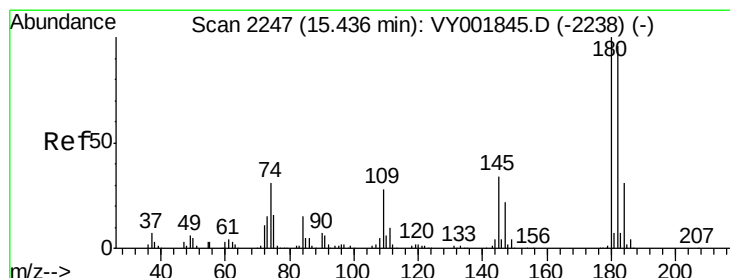
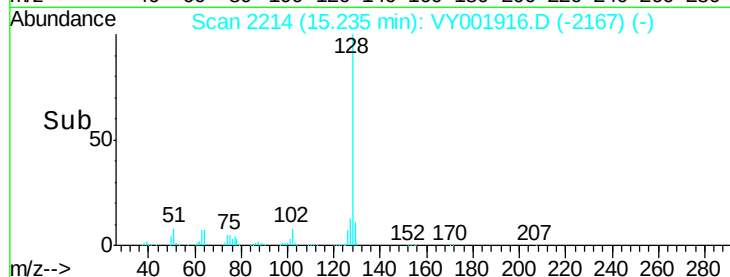
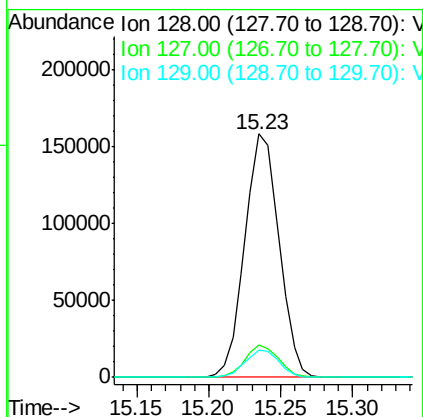
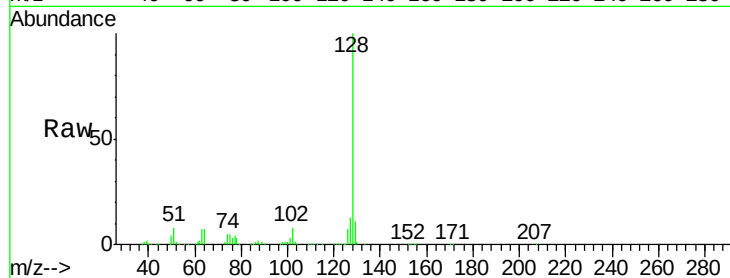




#95
Naphthalene
Concen: 47.17 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 260856
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.29 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY001916.D
Acq: 09 Mar 2020 18:16

Tgt Ion:180 Resp: 99188
Ion Ratio Lower Upper
180 100
182 93.7 47.6 142.9
145 33.4 16.8 50.3

