

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011020\
 Data File : VY001147.D
 Acq On : 10 Jan 2020 14:40
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 10 15:31:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	386059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168811	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	45527	22.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.92%	
35) Dibromofluoromethane	7.73	113	46939	21.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.66%	
50) Toluene-d8	10.18	98	160142	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.48	95	75261	23.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	37761	22.989	ug/l	99
3) Chloromethane	2.12	50	53494	39.104	ug/l	100
4) Vinyl Chloride	2.25	62	55282	39.398	ug/l	98
5) Bromomethane	2.65	94	27860	29.489	ug/l	94
6) Chloroethane	2.79	64	30800	33.563	ug/l	96
7) Trichlorofluoromethane	3.13	101	74182	22.884	ug/l	99
8) Diethyl Ether	3.53	74	29111	24.478	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48119	23.537	ug/l	99
10) Methyl Iodide	4.10	142	64964	20.954	ug/l	99
11) Tert butyl alcohol	4.96	59	24872	129.328	ug/l	98
12) 1,1-Dichloroethene	3.88	96	49260	23.455	ug/l	99
13) Acrolein	3.74	56	24083	133.327	ug/l	100
14) Allyl chloride	4.49	41	81913	33.214	ug/l	99
15) Acrylonitrile	5.18	53	73366	140.982	ug/l	98
16) Acetone	3.96	43	54199	138.562	ug/l	99
17) Carbon Disulfide	4.20	76	159569	25.179	ug/l	99
18) Methyl Acetate	4.49	43	37885	31.148	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	133240	25.516	ug/l	99
20) Methylene Chloride	4.72	84	65502	26.557	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	55666	23.704	ug/l	98
22) Diisopropyl ether	6.13	45	162213	32.014	ug/l	99
23) Vinyl Acetate	6.07	43	541220	168.902	ug/l	100
24) 1,1-Dichloroethane	6.03	63	91234	27.534	ug/l	98
25) 2-Butanone	7.00	43	90338	141.353	ug/l	98
26) 2,2-Dichloropropane	6.99	77	81341	23.078	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	61224	22.125	ug/l	97
28) Bromochloromethane	7.35	49	31697	24.287	ug/l	98
29) Tetrahydrofuran	7.36	42	62257	144.040	ug/l	99
30) Chloroform	7.52	83	88190	22.153	ug/l	98
31) Cyclohexane	7.79	56	95536	24.763	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	78425	21.373	ug/l	100
36) 1,1-Dichloropropene	7.93	75	75001	22.243	ug/l	99
37) Ethyl Acetate	7.08	43	43868	29.370	ug/l	100
38) Carbon Tetrachloride	7.91	117	67633	19.704	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	100460	21.569	ug/l	98
40) Benzene	8.17	78	216963	21.069	ug/l	99
41) Methacrylonitrile	7.36	41	58456	78.955	ug/l #	29
42) 1,2-Dichloroethane	8.24	62	60498	23.928	ug/l	98
43) Isopropyl Acetate	8.28	43	83644	28.345	ug/l	100
44) Trichloroethene	8.94	130	56453	18.654	ug/l	99
45) 1,2-Dichloropropane	9.22	63	53831	23.071	ug/l	96
46) Dibromomethane	9.31	93	29233	21.425	ug/l	99
47) Bromodichloromethane	9.50	83	70869	22.809	ug/l	100
48) Methyl methacrylate	9.30	41	38423	29.884	ug/l	98
49) 1,4-Dioxane	9.30	88	7071	350.114	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	215102	151.241	ug/l	100
52) Toluene	10.24	92	136516	21.476	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	78797	23.987	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	89648	23.242	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	43368	22.149	ug/l	98
56) Ethyl methacrylate	10.51	69	66696	25.705	ug/l	99
57) 1,3-Dichloropropane	10.79	76	75491	24.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	113604	121.880	ug/l	100
59) 2-Hexanone	10.83	43	151790	159.521	ug/l	99
60) Dibromochloromethane	10.99	129	49959	22.370	ug/l	99
61) 1,2-Dibromoethane	11.09	107	42529	22.424	ug/l	100
64) Tetrachloroethene	10.72	164	45616	14.873	ug/l	98
65) Chlorobenzene	11.52	112	143266	19.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	50369	19.689	ug/l	100
67) Ethyl Benzene	11.59	91	266808	20.907	ug/l	99
68) m/p-Xylenes	11.70	106	203600	40.428	ug/l	99
69) o-Xylene	12.03	106	97281	20.349	ug/l	99
70) Styrene	12.04	104	170452	20.979	ug/l	99
71) Bromoform	12.20	173	30988	20.261	ug/l #	100
73) Isopropylbenzene	12.33	105	254796	20.108	ug/l	99
74) N-amyl acetate	12.14	43	80418	30.175	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	54496	23.498	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	73009	41.907	ug/l #	100
77) Bromobenzene	12.61	156	57615	18.965	ug/l	97
78) n-propylbenzene	12.67	91	310794	20.659	ug/l	100
79) 2-Chlorotoluene	12.75	91	176202	20.995	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	216612	20.140	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21544	24.153	ug/l #	99
82) 4-Chlorotoluene	12.85	91	186165	21.386	ug/l	97
83) tert-Butylbenzene	13.07	119	181239	19.912	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	217015	20.150	ug/l	99
85) sec-Butylbenzene	13.25	105	264262	20.642	ug/l	99
86) p-Isopropyltoluene	13.37	119	233973	20.360	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	110145	19.339	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	113475	19.751	ug/l	99
89) n-Butylbenzene	13.69	91	232157	21.226	ug/l	100
90) Hexachloroethane	13.95	117	44924	20.909	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	102643	19.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9856	23.678	ug/l	95

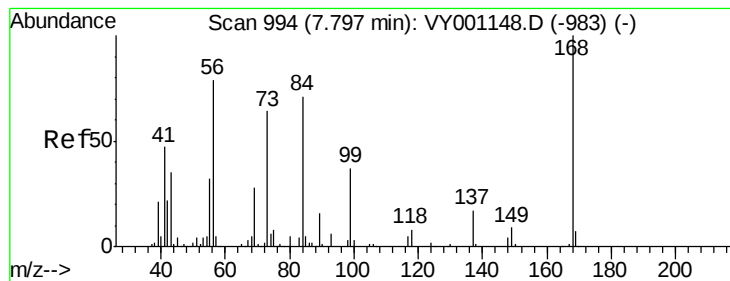
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011020\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	67990	18.972	ug/l	98
94) Hexachlorobutadiene	15.11	225	34327	18.940	ug/l	96
95) Naphthalene	15.23	128	158916	19.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	60621	18.974	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

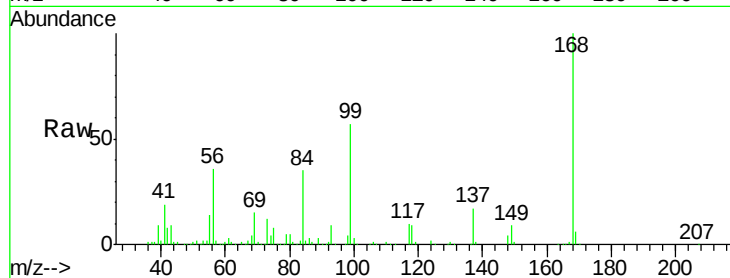
VSTDIC020

Tgt Ion:168 Resp: 226581

Ion Ratio Lower Upper

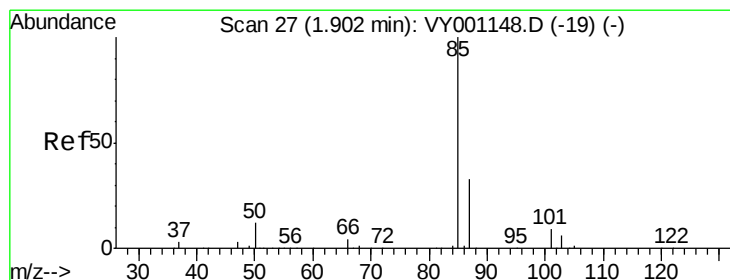
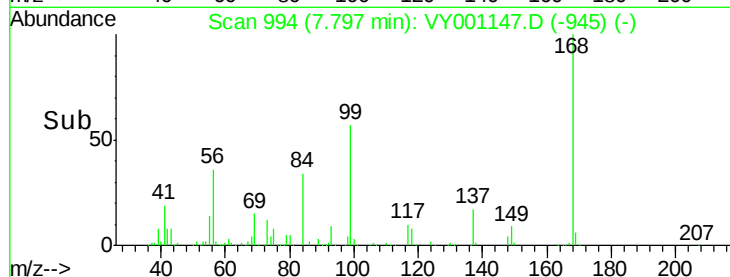
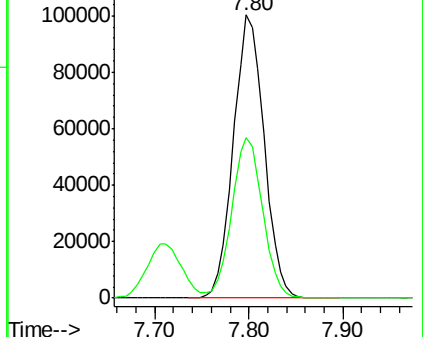
168 100

99 56.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001147.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001147.D (-945) (-)



#2

Dichlorodifluoromethane

Concen: 22.989 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001147.D

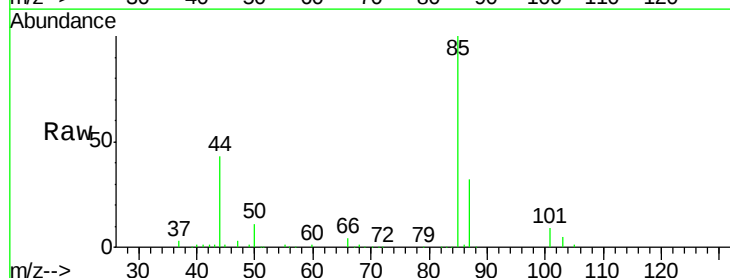
Acq: 10 Jan 2020 14:40

Tgt Ion: 85 Resp: 37761

Ion Ratio Lower Upper

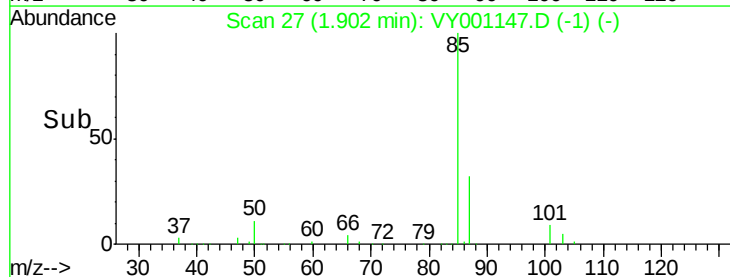
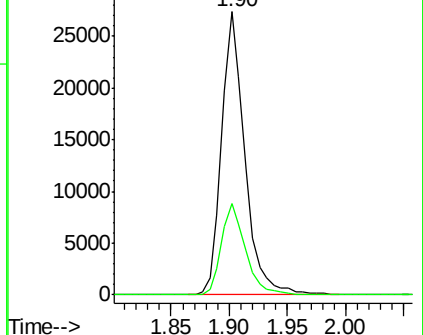
85 100

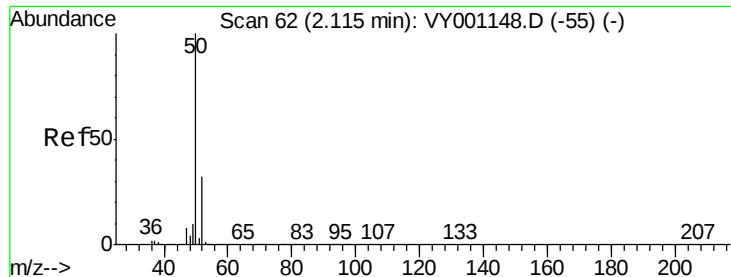
87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001147.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001147.D (-1) (-)





#3

Chloromethane

Concen: 39.104 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

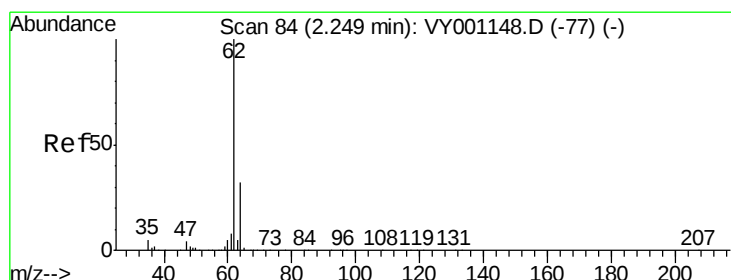
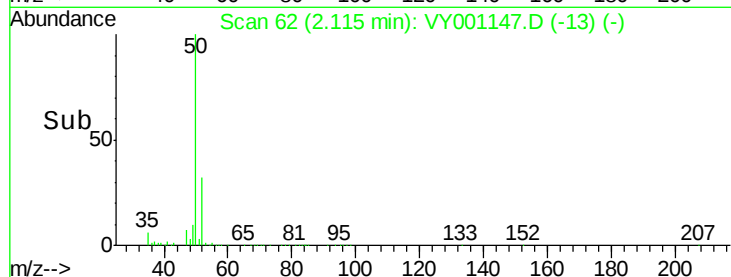
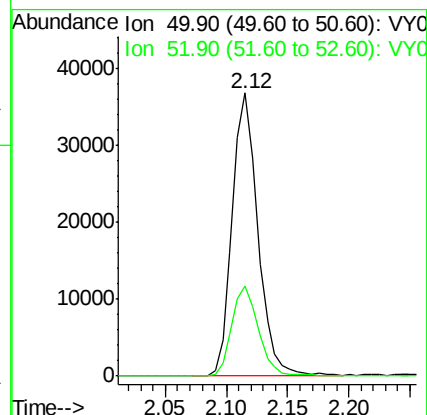
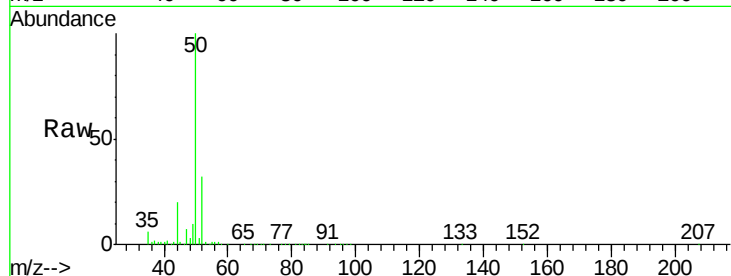
VSTDIC020

Tgt Ion: 50 Resp: 53494

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.6



#4

Vinyl Chloride

Concen: 39.398 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001147.D

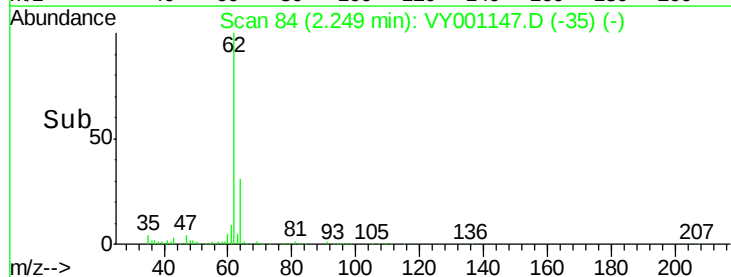
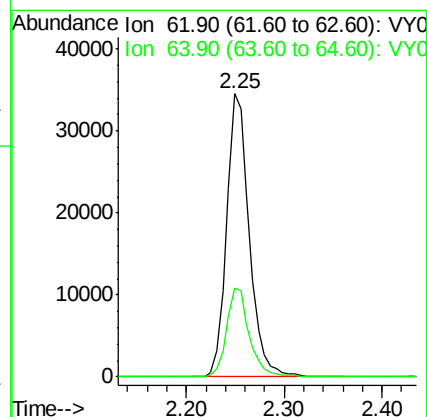
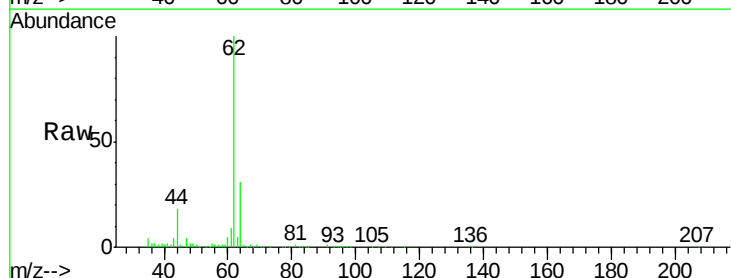
Acq: 10 Jan 2020 14:40

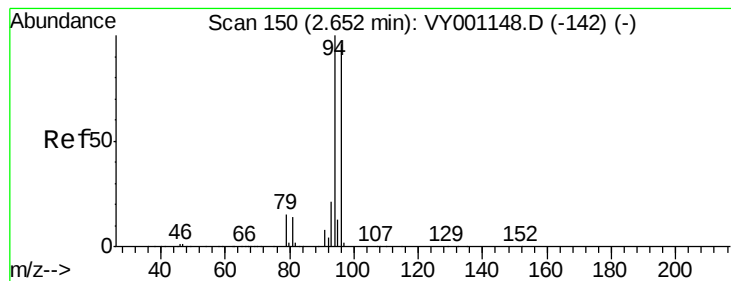
Tgt Ion: 62 Resp: 55282

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 29.489 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

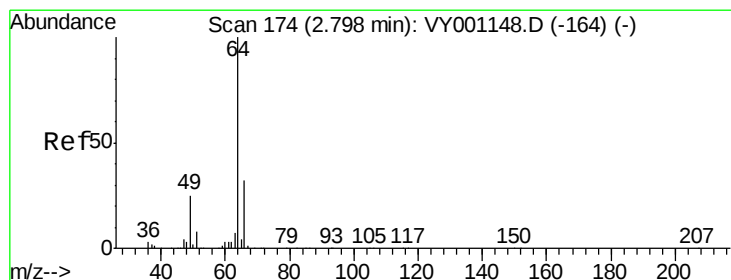
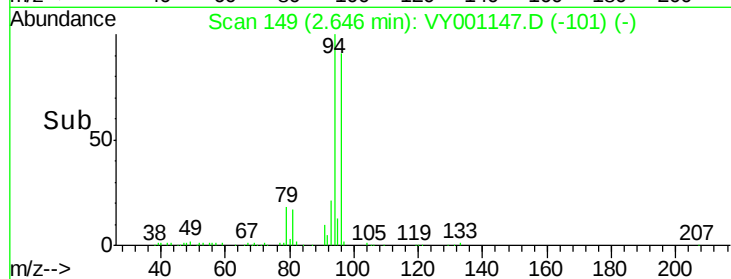
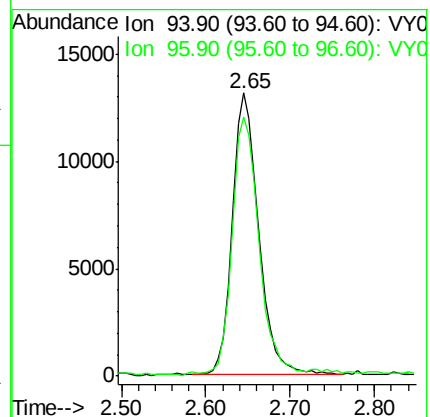
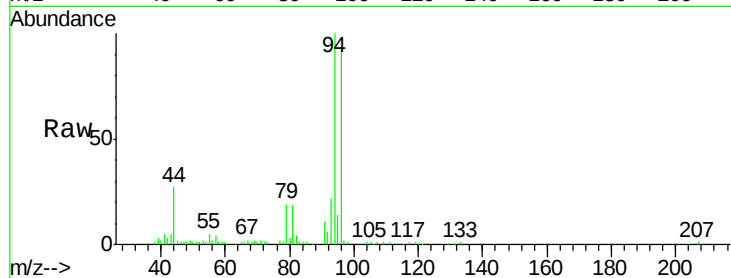
VSTDIC020

Tgt Ion: 94 Resp: 27860

Ion Ratio Lower Upper

94 100

96 91.0 77.3 115.9



#6

Chloroethane

Concen: 33.563 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001147.D

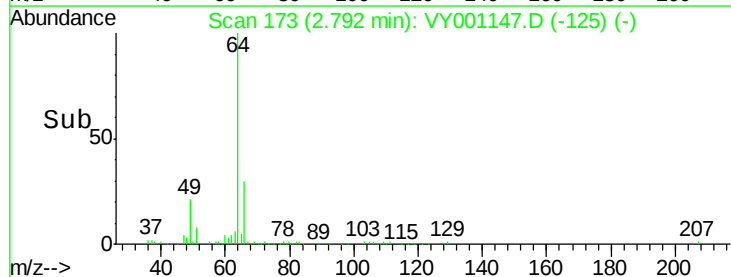
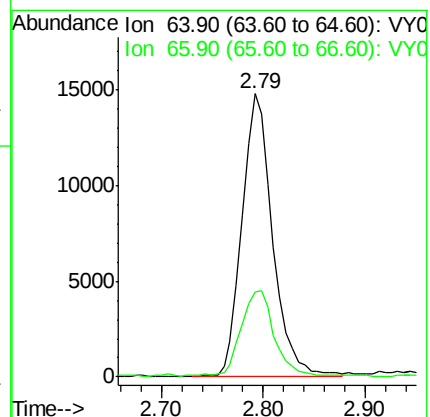
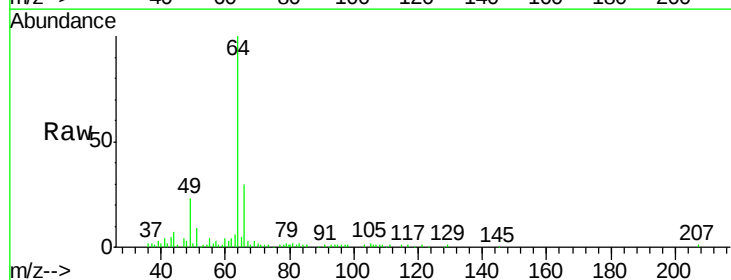
Acq: 10 Jan 2020 14:40

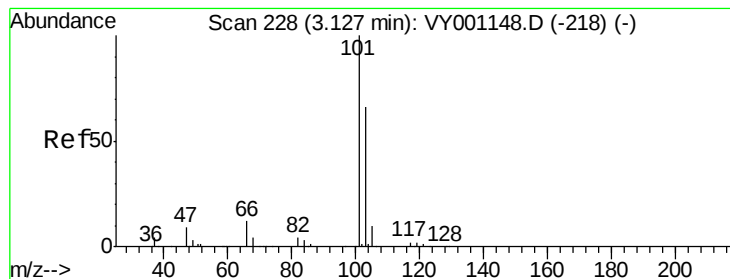
Tgt Ion: 64 Resp: 30800

Ion Ratio Lower Upper

64 100

66 29.7 25.5 38.3



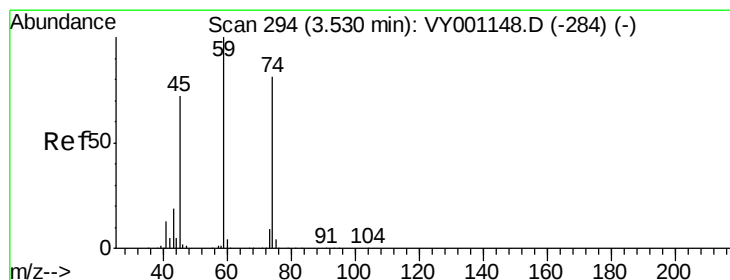
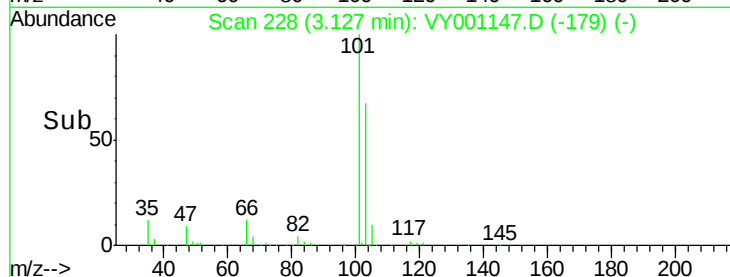
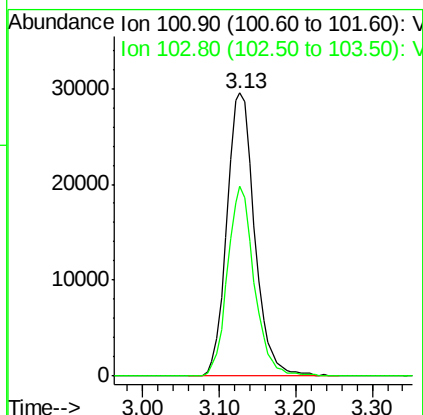
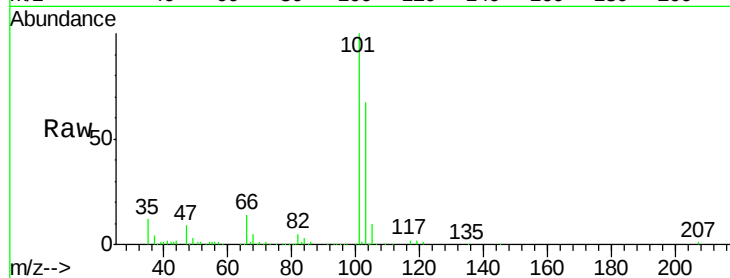


#7

Trichlorofluoromethane
 Concen: 22.884 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
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 VSTDIC020

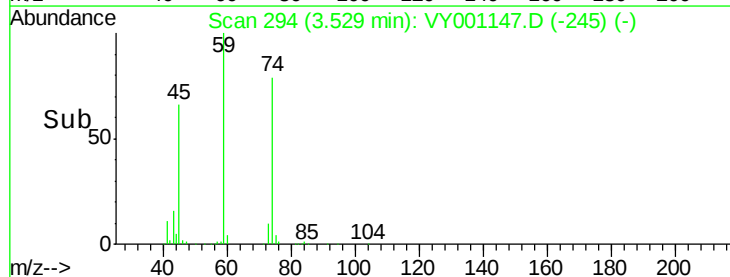
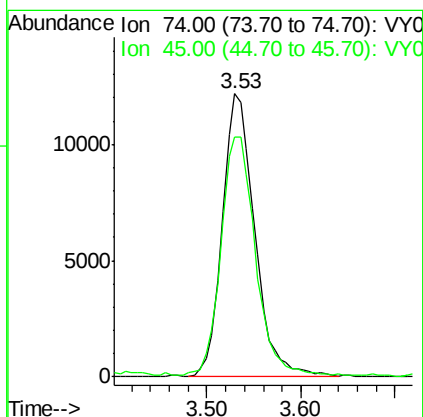
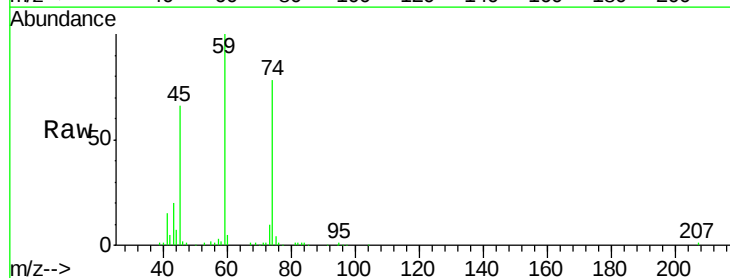
Tgt Ion:101 Resp: 74182
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.6 79.0

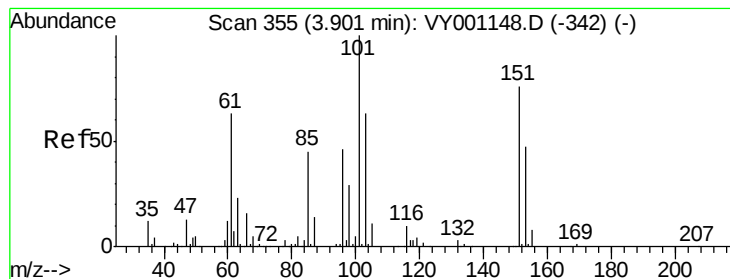


#8

Diethyl Ether
 Concen: 24.478 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 74 Resp: 29111
 Ion Ratio Lower Upper
 74 100
 45 89.5 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.537 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

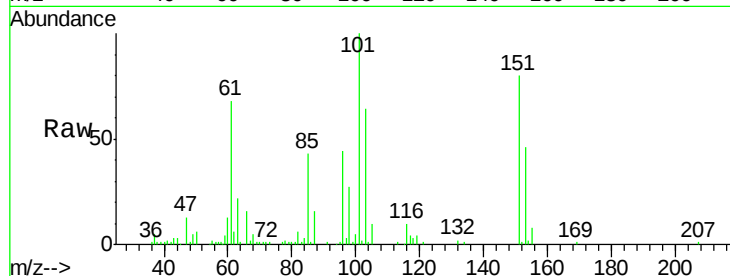
Tgt Ion:101 Resp: 48119

Ion Ratio Lower Upper

101 100

85 42.7 35.2 52.8

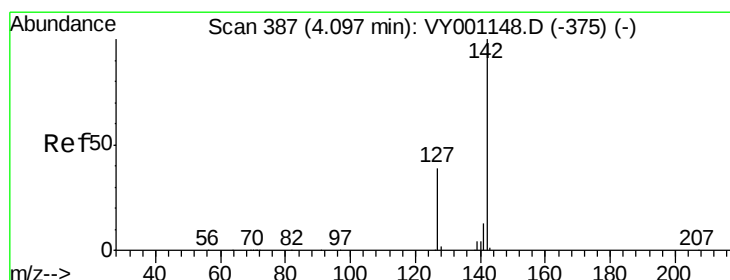
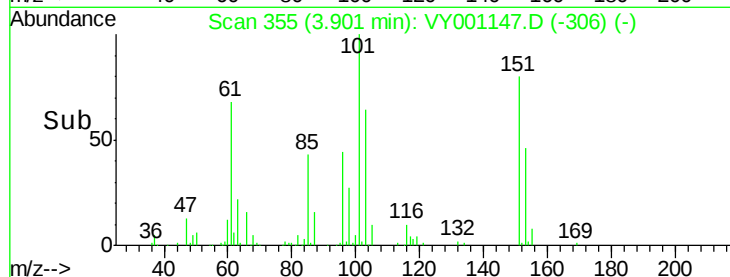
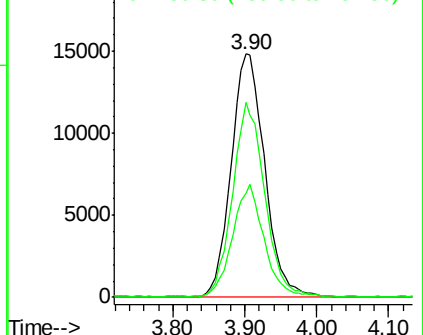
151 76.7 61.4 92.2



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: 20.954 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

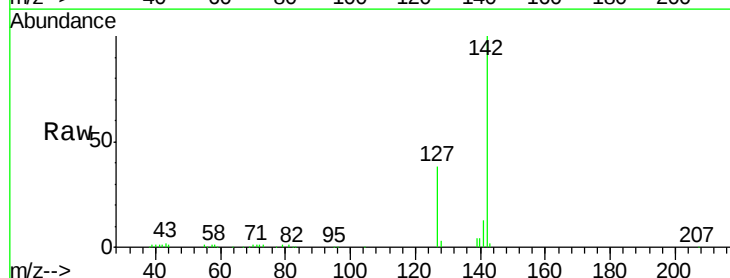
Tgt Ion:142 Resp: 64964

Ion Ratio Lower Upper

142 100

127 39.0 30.8 46.2

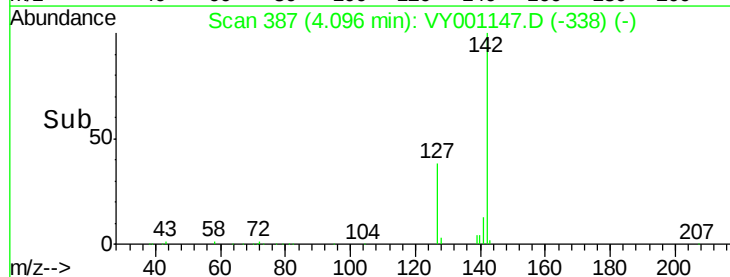
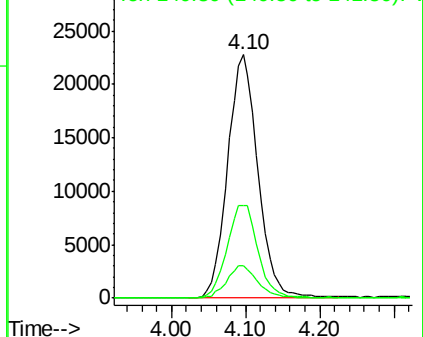
141 13.6 11.0 16.4

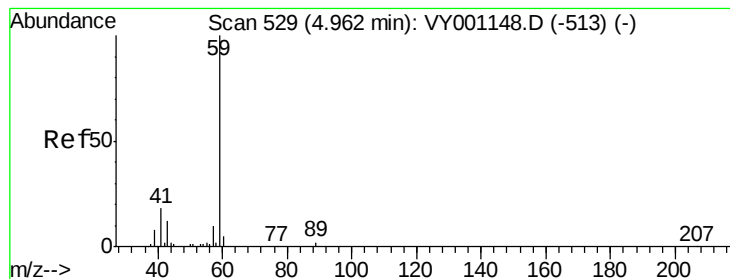


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 129.328 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

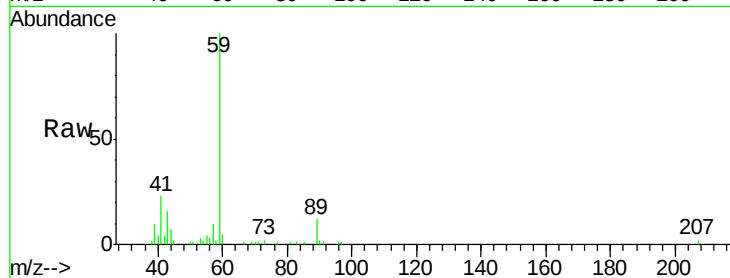
VSTDIC020

Tgt Ion: 59 Resp: 24872

Ion Ratio Lower Upper

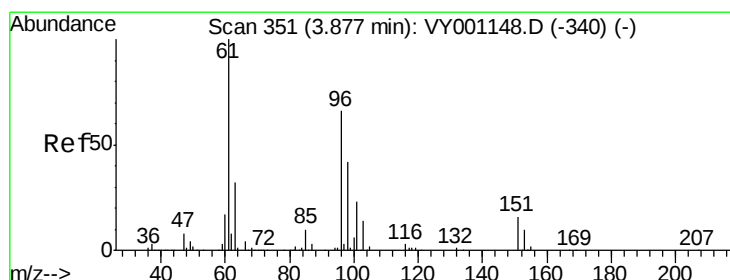
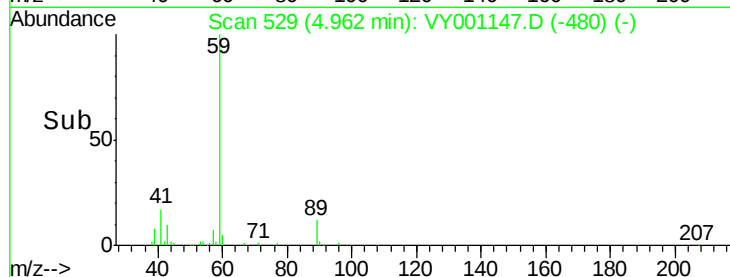
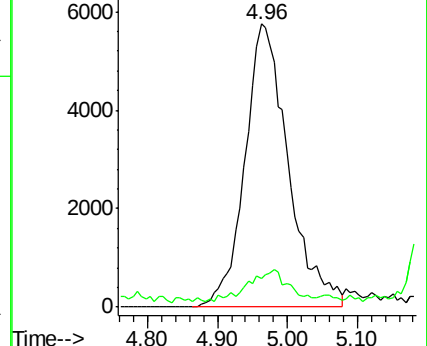
59 100

57 10.6 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 23.455 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

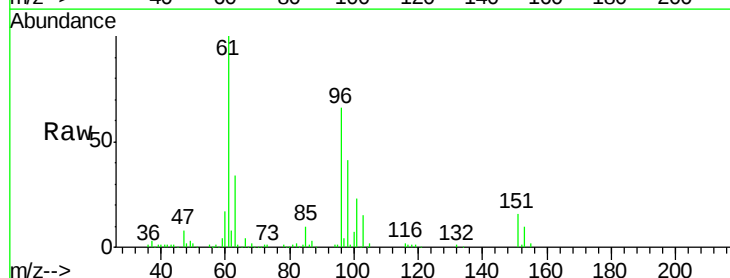
Tgt Ion: 96 Resp: 49260

Ion Ratio Lower Upper

96 100

61 151.6 122.1 183.1

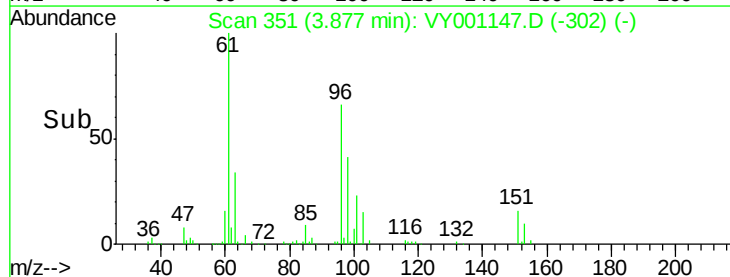
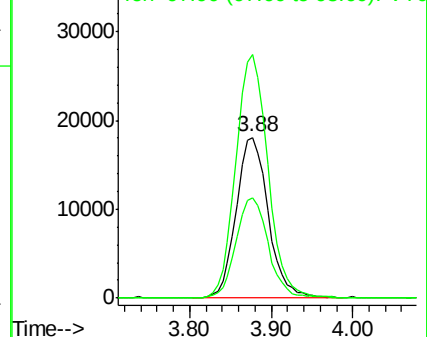
98 62.2 51.0 76.6

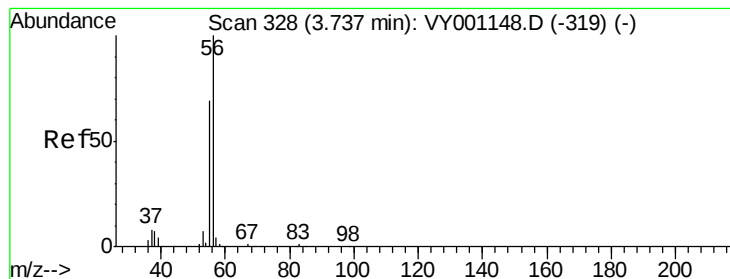


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#13

Acrolein

Concen: 133.327 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

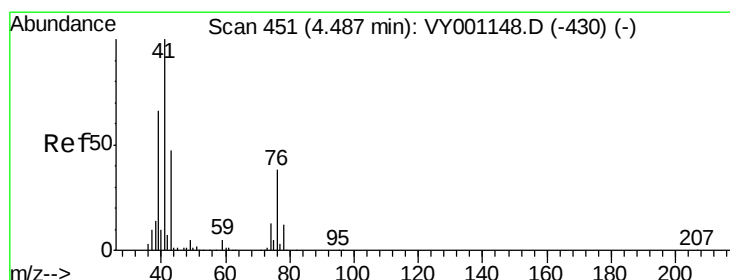
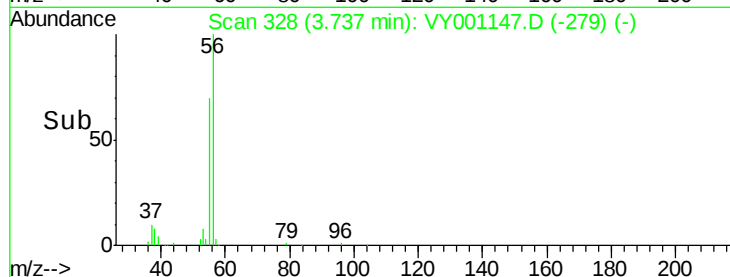
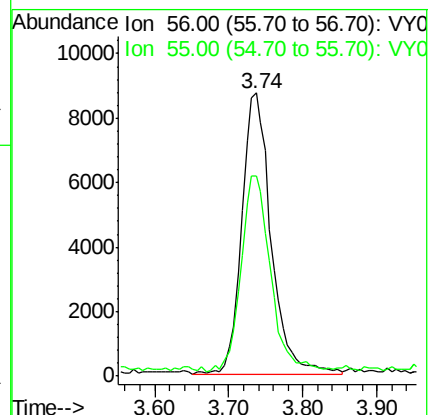
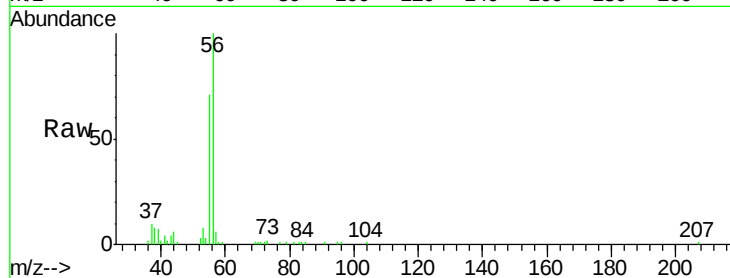
VSTDIC020

Tgt Ion: 56 Resp: 24083

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1



#14

Allyl chloride

Concen: 33.214 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

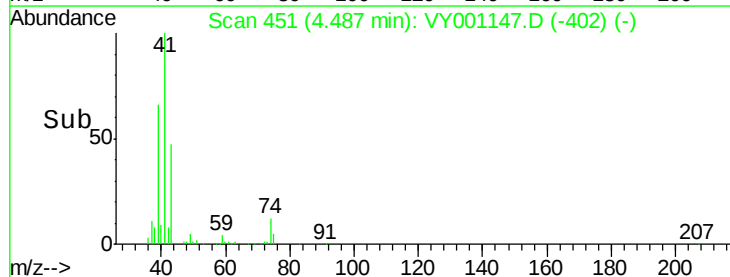
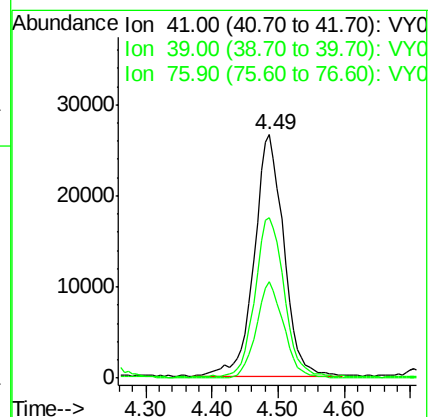
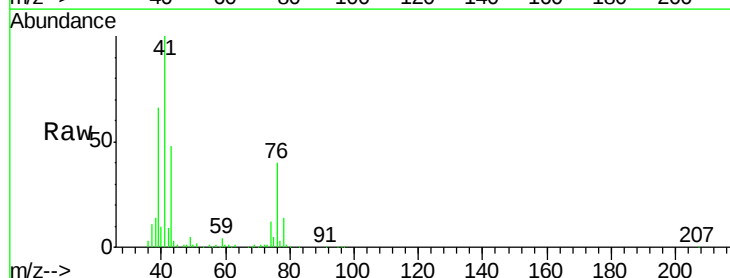
Tgt Ion: 41 Resp: 81913

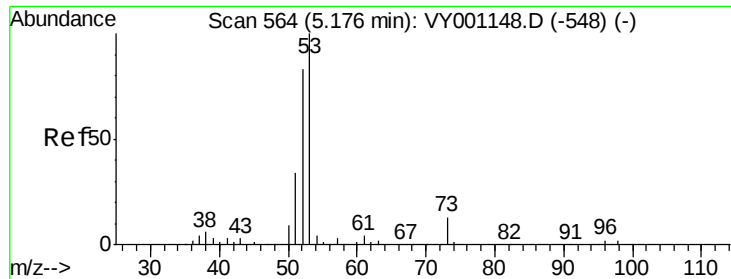
Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 37.2 30.2 45.2





#15

Acrylonitrile

Concen: 140.982 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

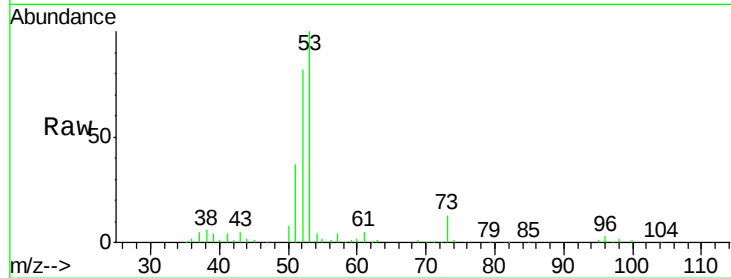
Tgt Ion: 53 Resp: 73366

Ion Ratio Lower Upper

53 100

52 79.9 65.7 98.5

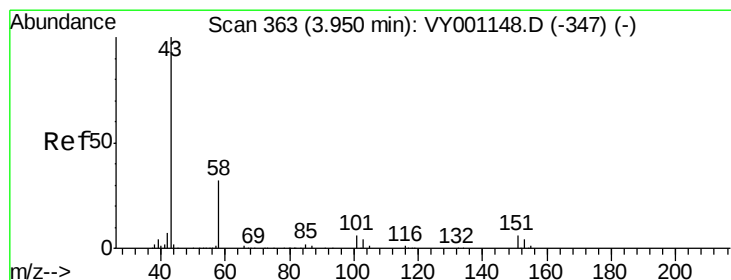
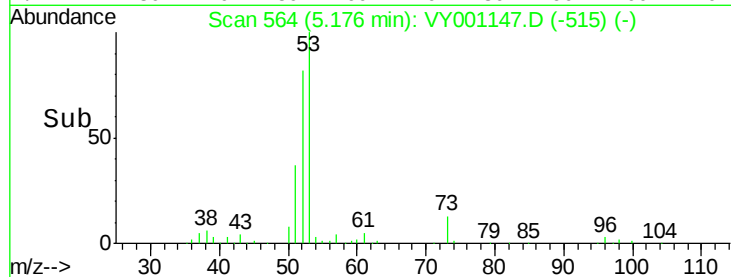
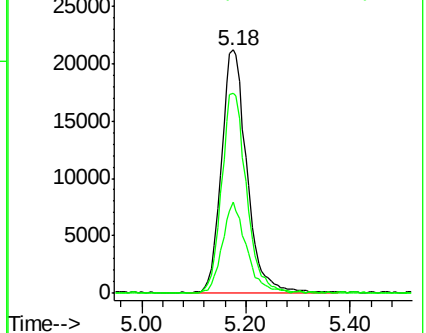
51 35.4 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY001147.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY001147.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY001147.D (-515) (-)



#16

Acetone

Concen: 138.562 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001147.D

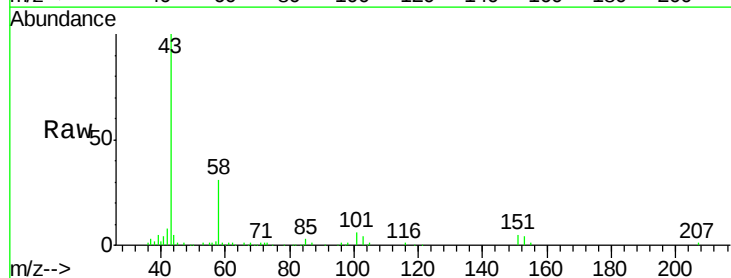
Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 54199

Ion Ratio Lower Upper

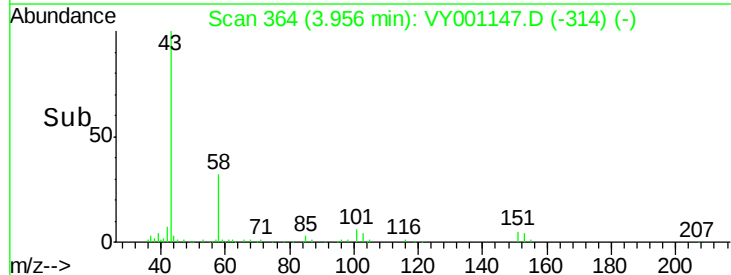
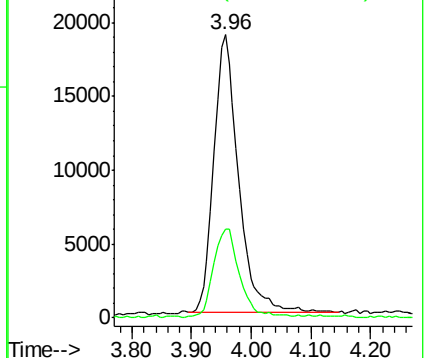
43 100

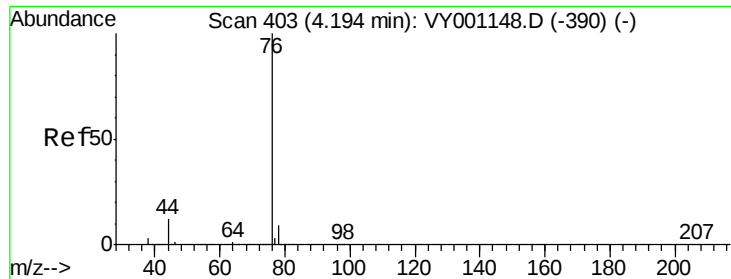
58 31.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001147.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY001147.D (-314) (-)

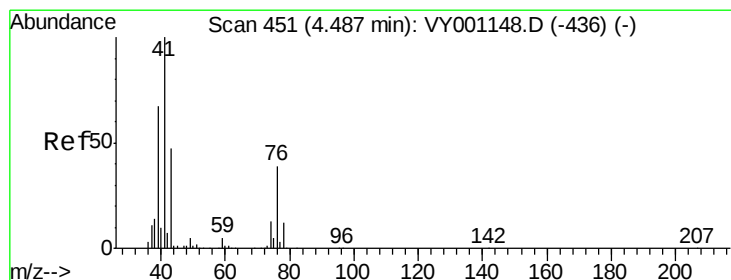
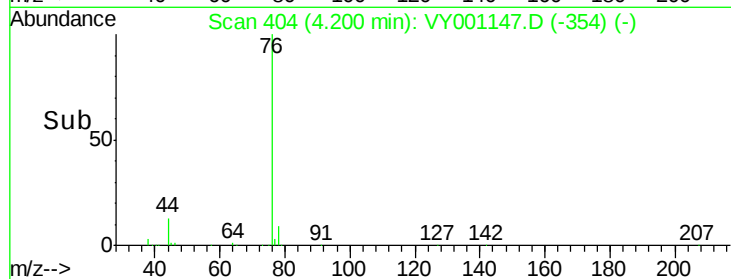
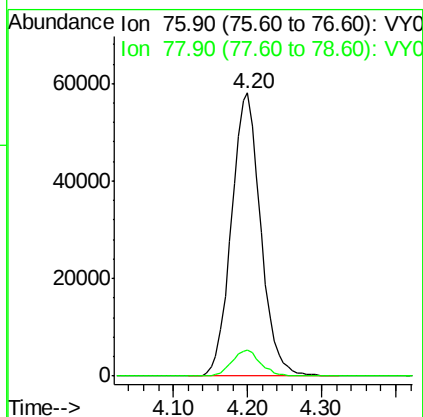
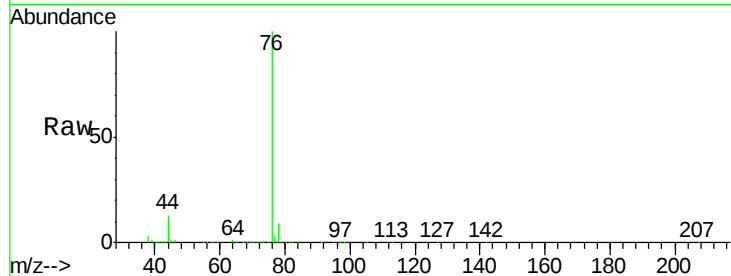




#17
Carbon Disulfide
Concen: 25.179 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

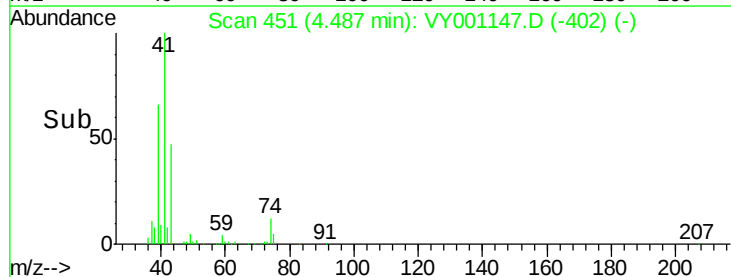
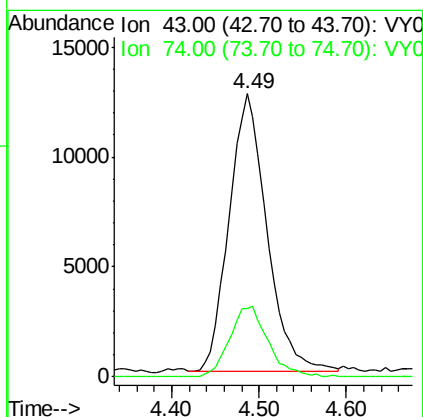
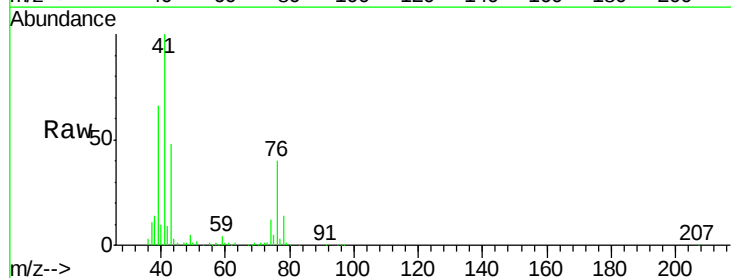
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

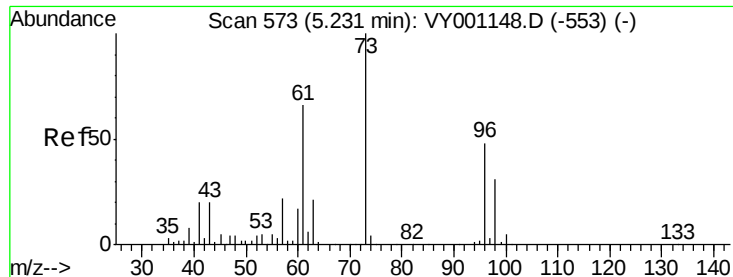
Tgt Ion: 76 Resp: 159569
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 31.148 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 37885
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.2

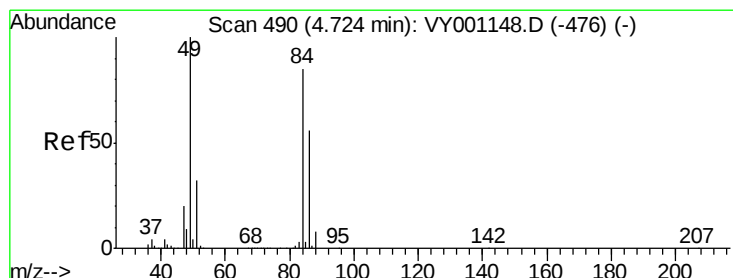
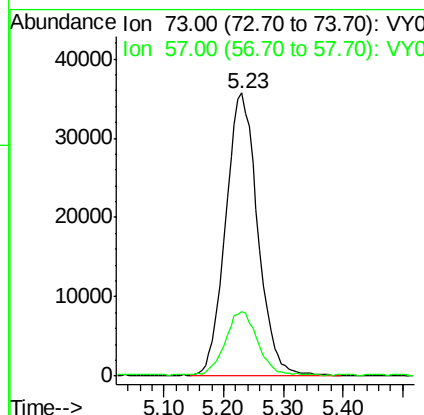
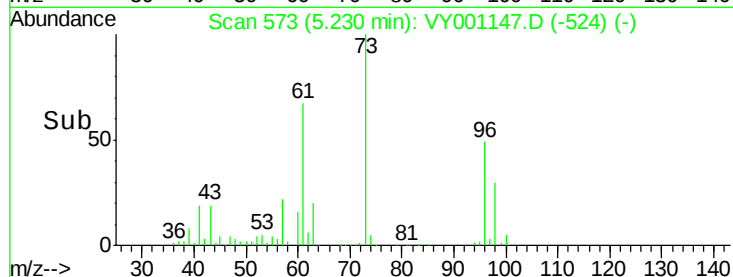
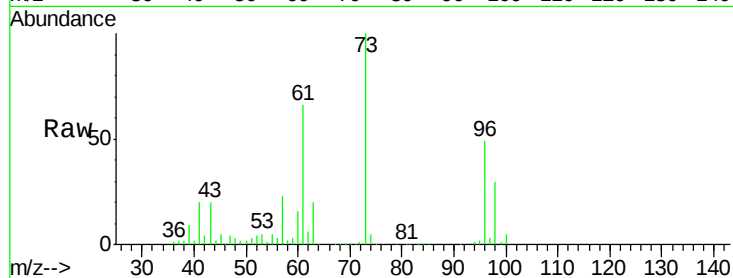




#19
Methyl tert-butyl Ether
Concen: 25.516 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

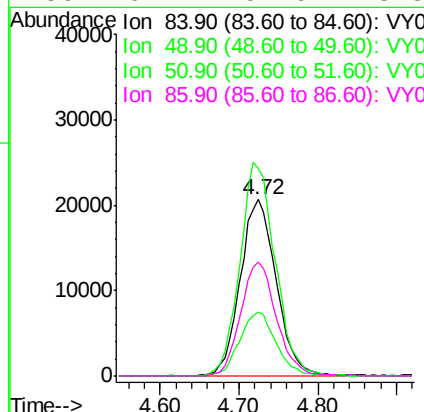
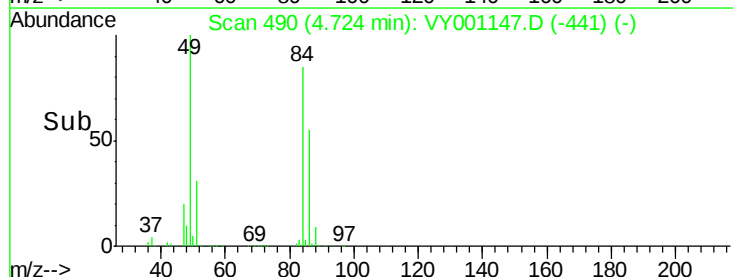
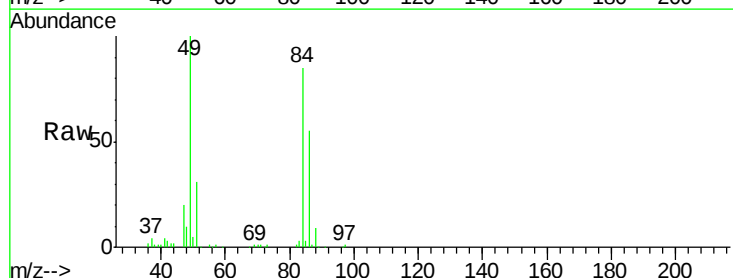
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

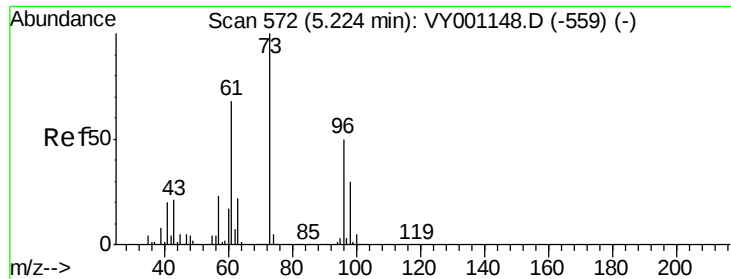
Tgt Ion: 73 Resp: 133240
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6



#20
Methylene Chloride
Concen: 26.557 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 84 Resp: 65502
Ion Ratio Lower Upper
84 100
49 117.8 93.8 140.6
51 36.3 29.9 44.9
86 64.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 23.704 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

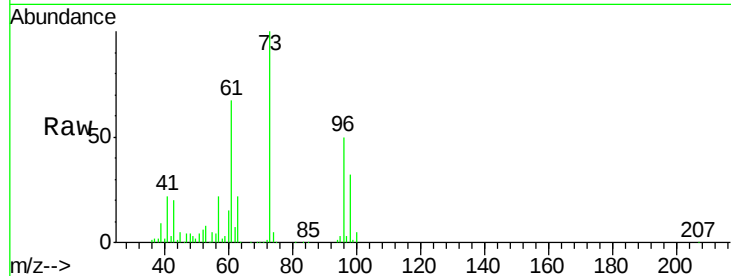
Tgt Ion: 96 Resp: 55666

Ion Ratio Lower Upper

96 100

61 134.7 107.6 161.4

98 63.0 47.6 71.4

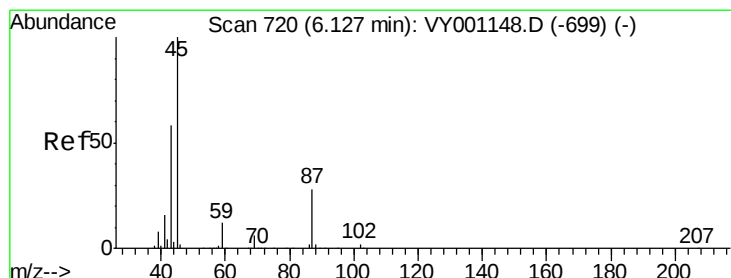
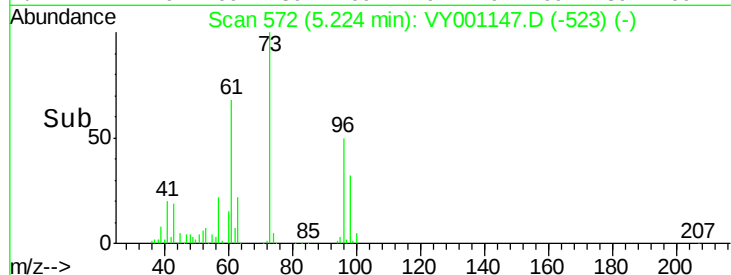
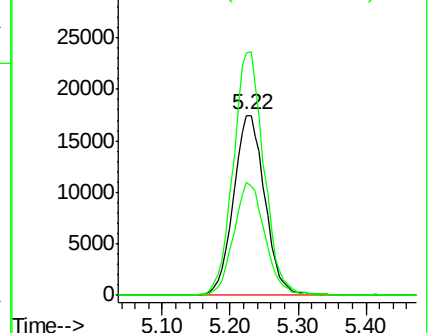


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 32.014 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion: 45 Resp: 162213

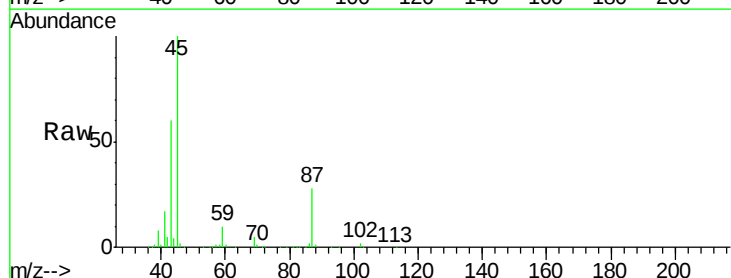
Ion Ratio Lower Upper

45 100

43 59.1 46.5 69.7

87 27.8 22.5 33.7

59 10.4 9.4 14.0



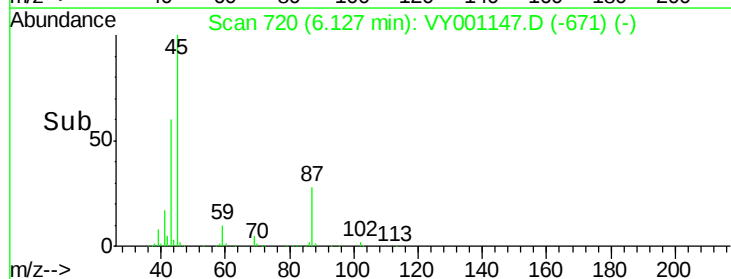
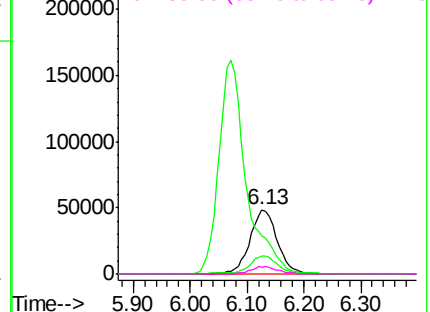
Abundance

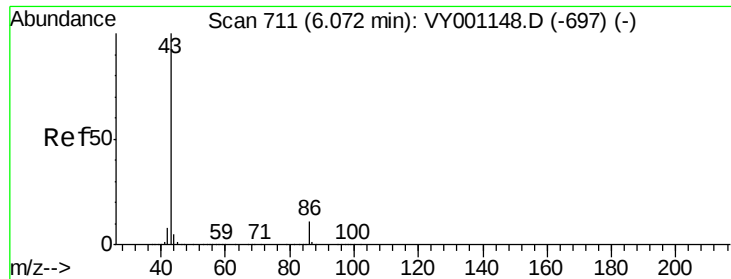
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 168.902 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

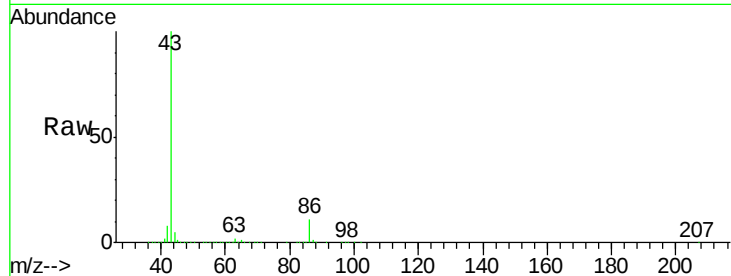
VSTDIC020

Tgt Ion: 43 Resp: 541220

Ion Ratio Lower Upper

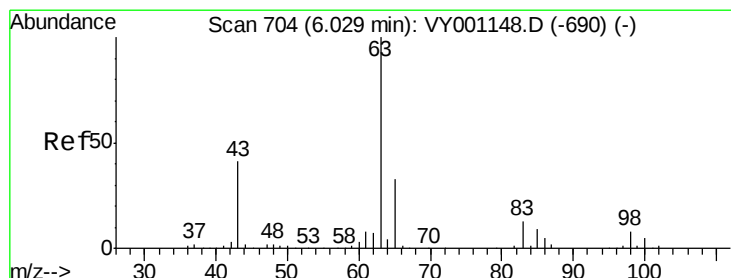
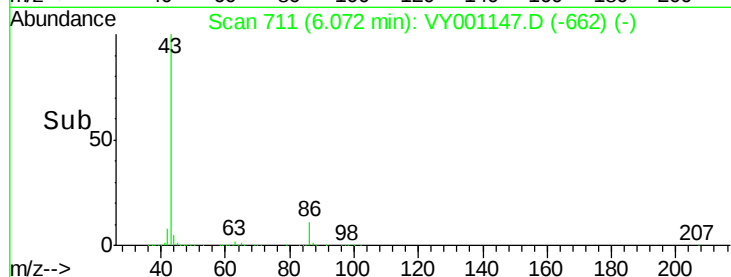
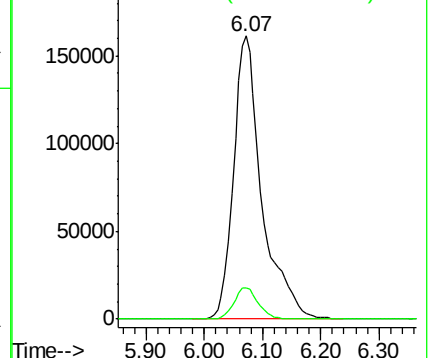
43 100

86 11.0 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 27.534 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

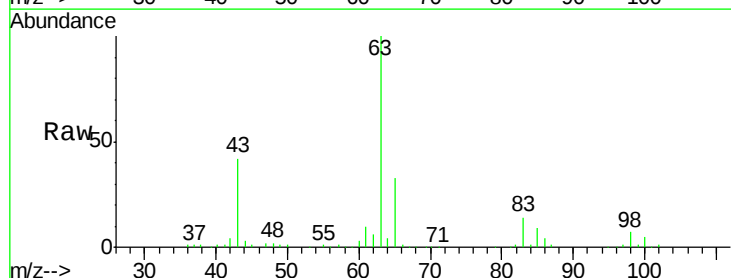
Tgt Ion: 63 Resp: 91234

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

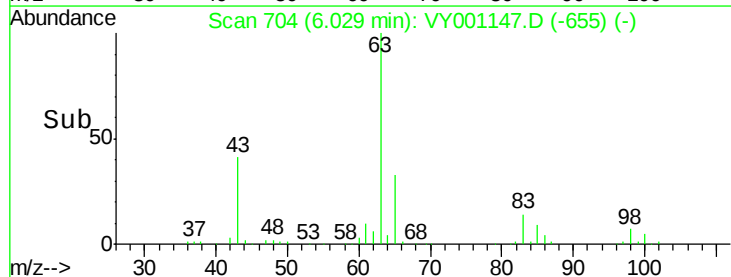
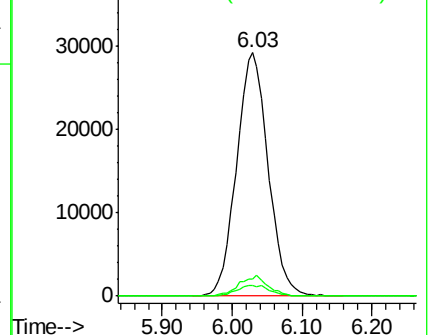
100 4.6 2.4 7.2

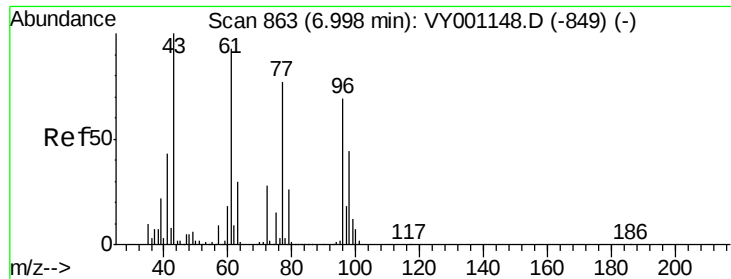


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 141.353 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

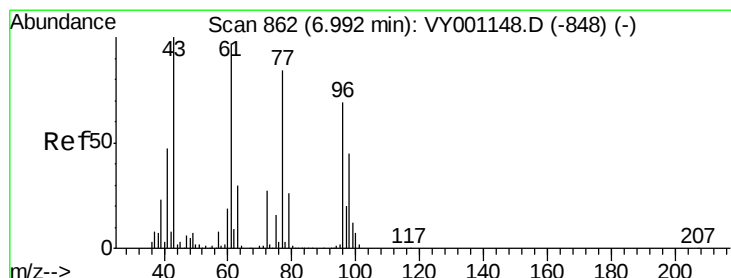
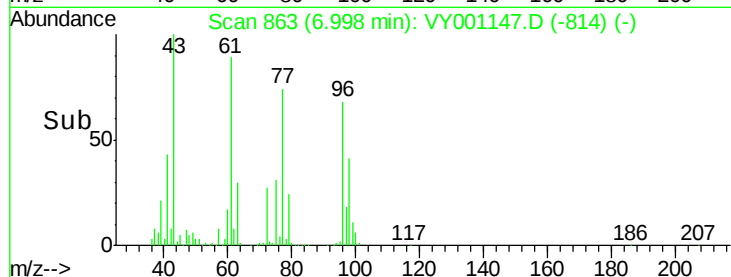
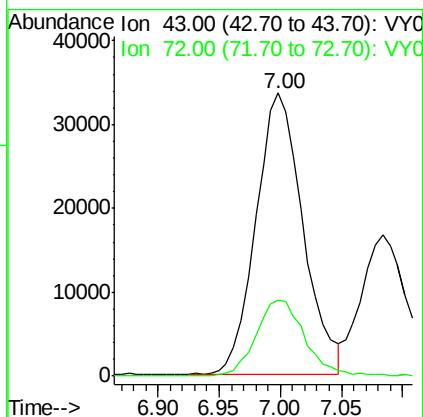
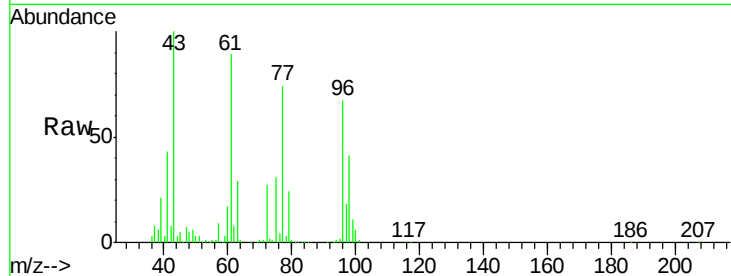
VSTDIC020

Tgt Ion: 43 Resp: 90338

Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.2



#26

2,2-Dichloropropane

Concen: 23.078 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001147.D

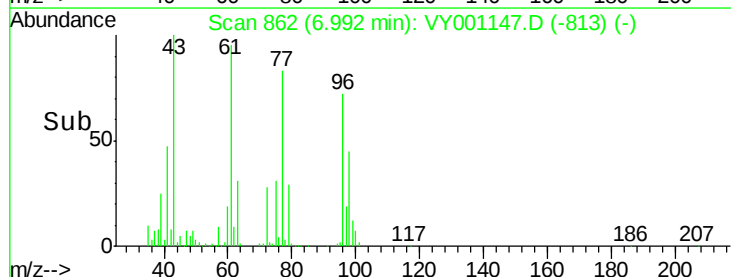
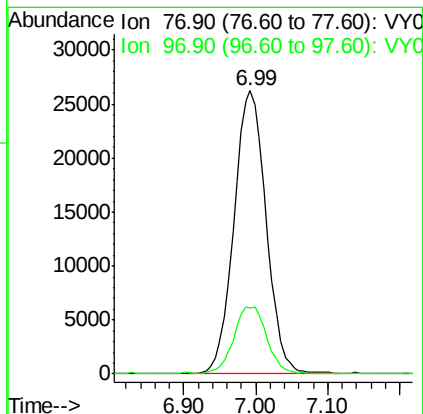
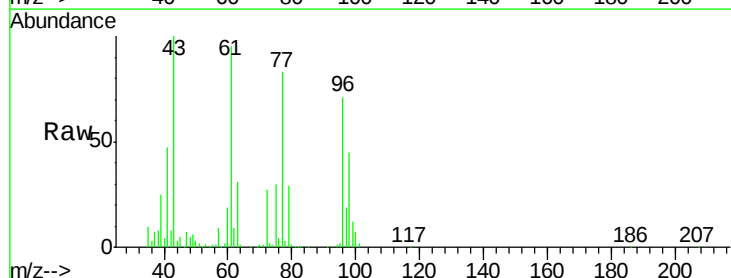
Acq: 10 Jan 2020 14:40

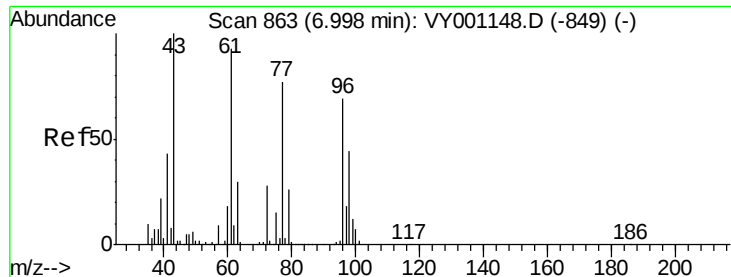
Tgt Ion: 77 Resp: 81341

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.7



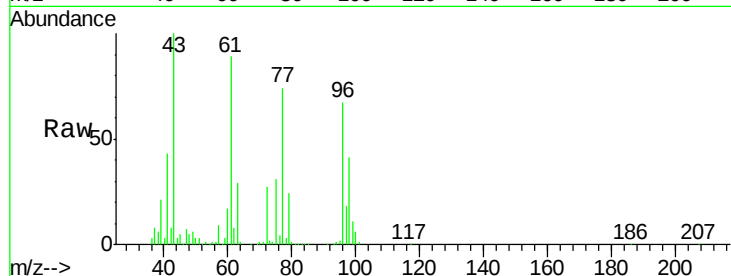


#27

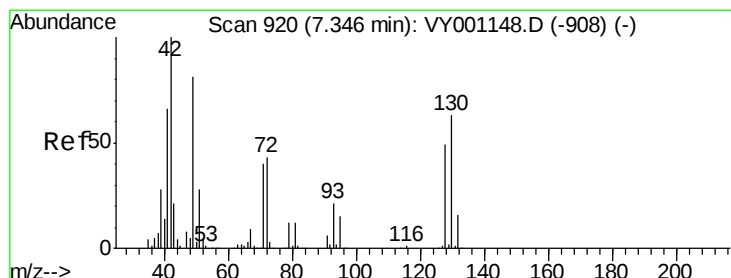
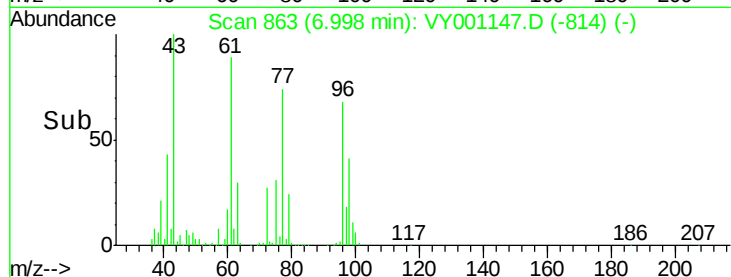
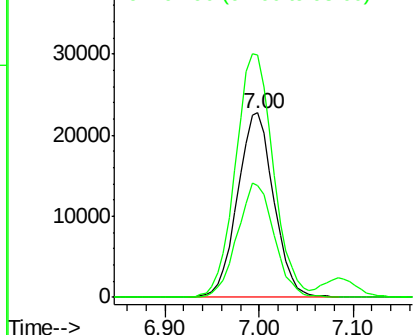
cis-1,2-Dichloroethene
 Concen: 22.125 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 61224
 Ion Ratio Lower Upper
 96 100
 61 137.8 0.0 284.0
 98 63.0 0.0 130.2



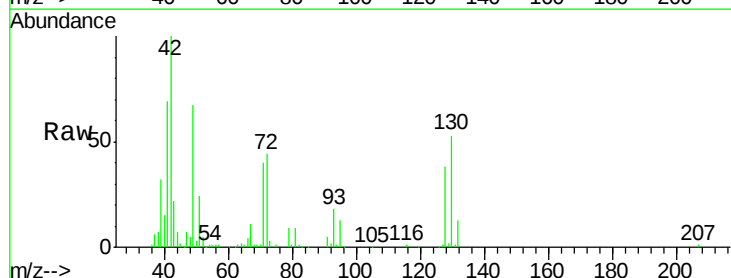
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



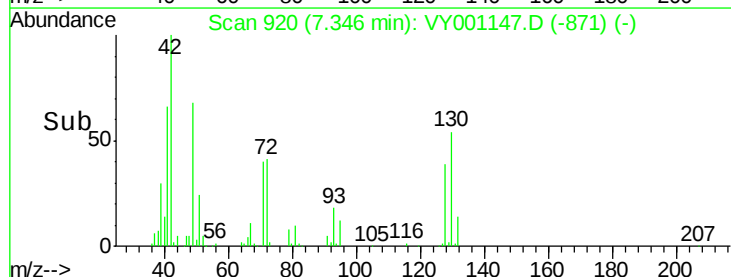
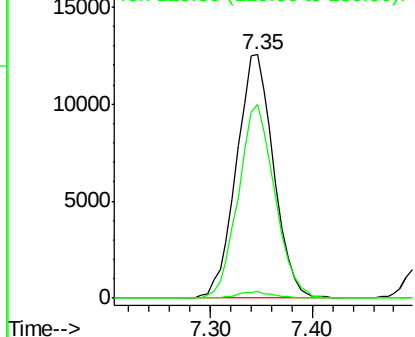
#28

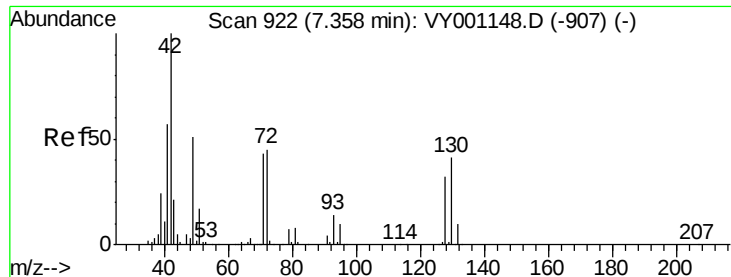
Bromochloromethane
 Concen: 24.287 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 49 Resp: 31697
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 78.1 61.2 91.8



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

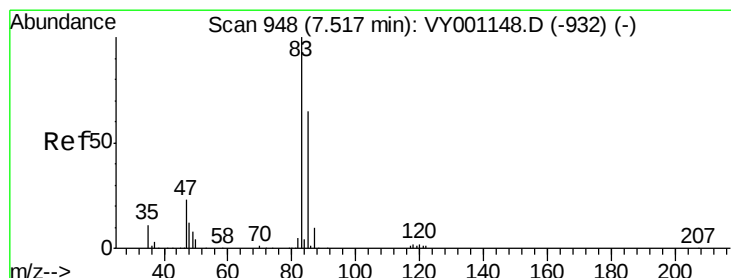
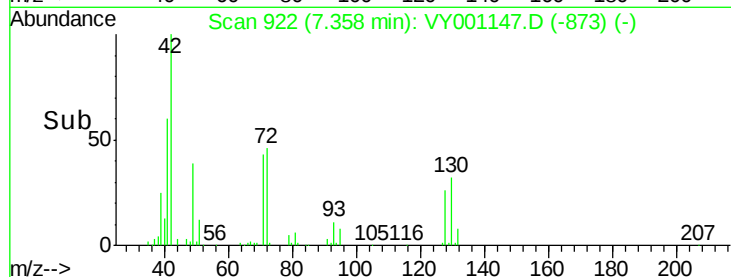
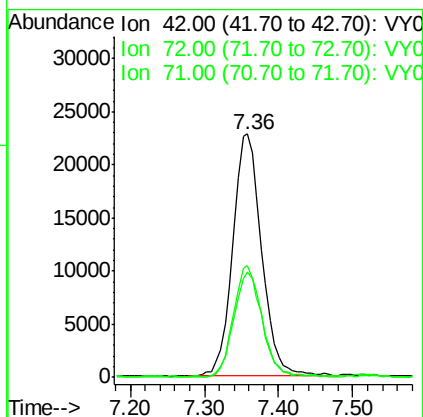
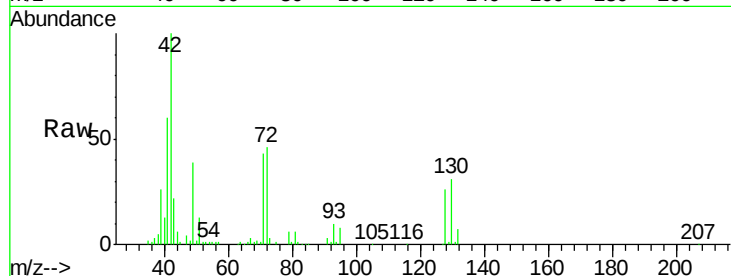




#29
Tetrahydrofuran
Concen: 144.040 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

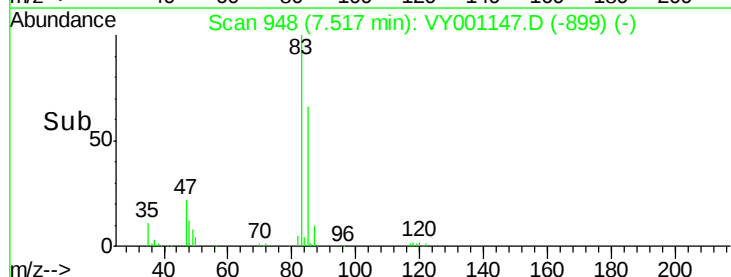
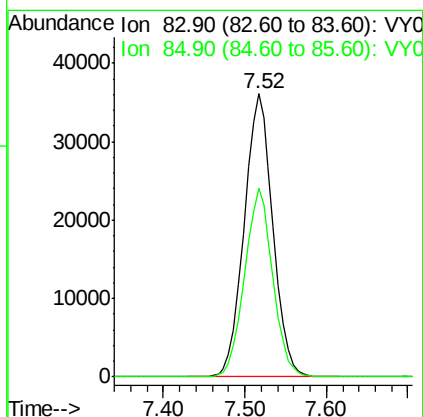
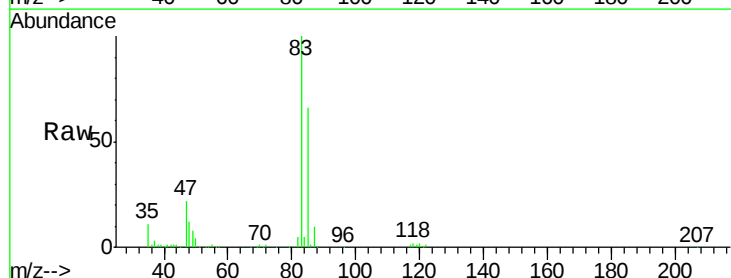
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

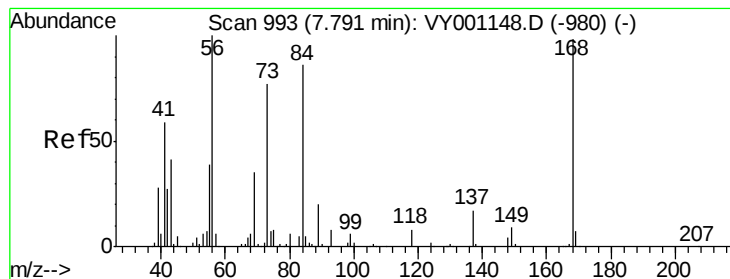
Tgt Ion: 42 Resp: 62257
Ion Ratio Lower Upper
42 100
72 45.3 36.9 55.3
71 42.9 34.0 51.0



#30
Chloroform
Concen: 22.153 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 83 Resp: 88190
Ion Ratio Lower Upper
83 100
85 66.5 51.9 77.9





#31

Cyclohexane

Concen: 24.763 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

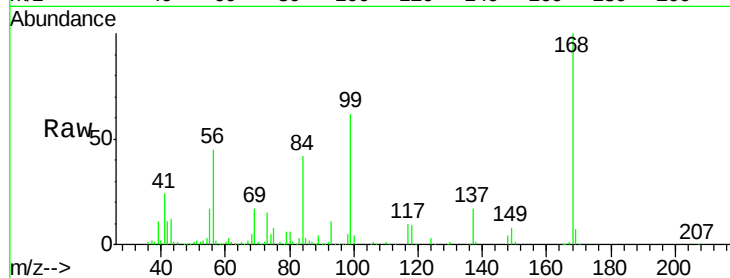
Tgt Ion: 56 Resp: 95536

Ion Ratio Lower Upper

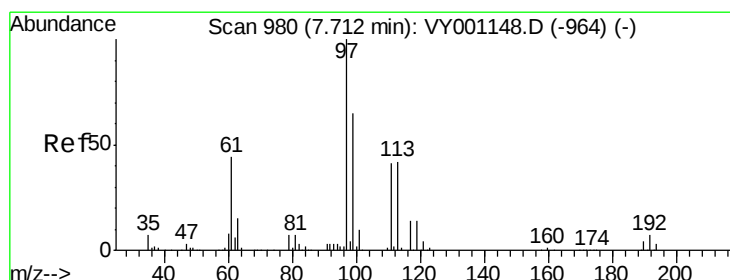
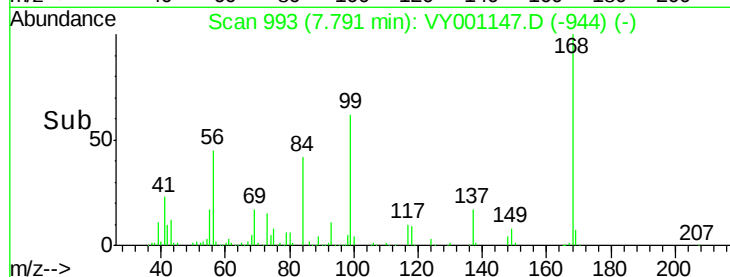
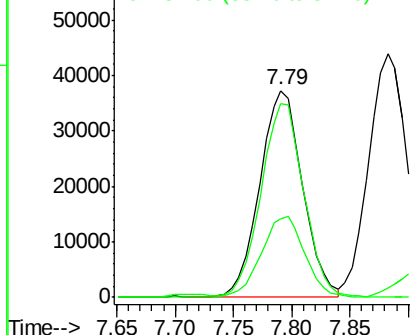
56 100

69 37.9 27.8 41.8

84 92.1 68.9 103.3



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



#32

1,1,1-Trichloroethane

Concen: 21.373 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

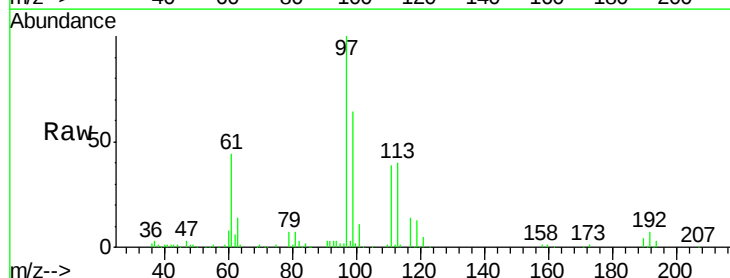
Tgt Ion: 97 Resp: 78425

Ion Ratio Lower Upper

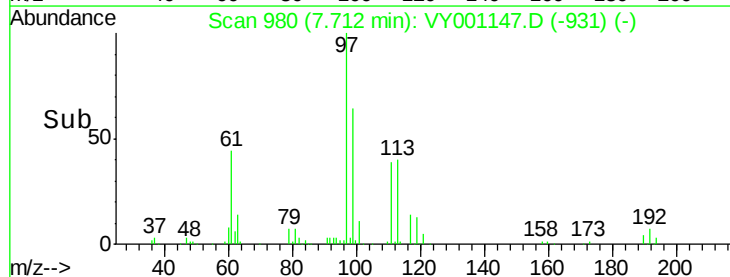
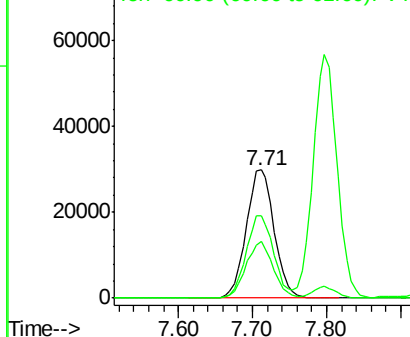
97 100

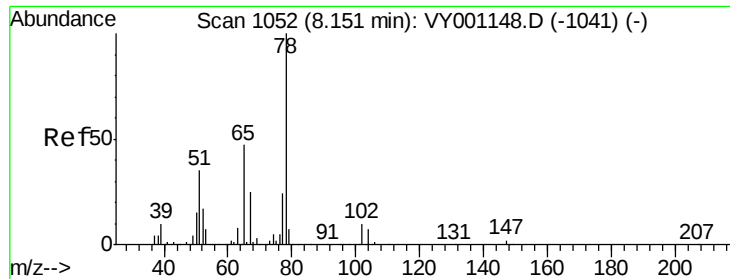
99 64.0 51.3 76.9

61 42.8 34.6 52.0



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

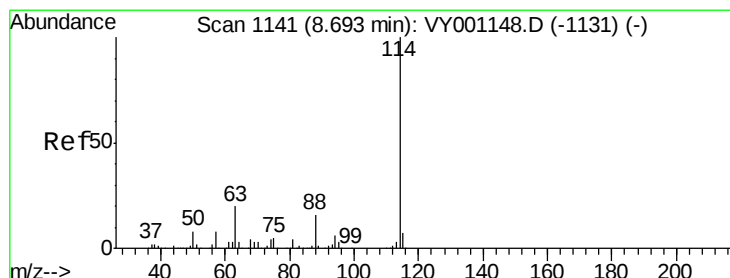
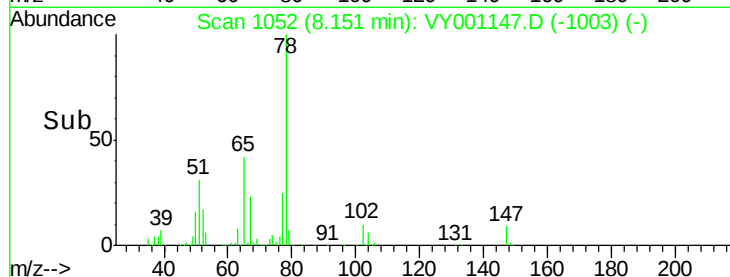
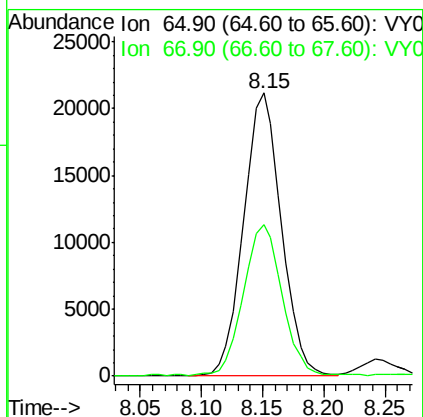
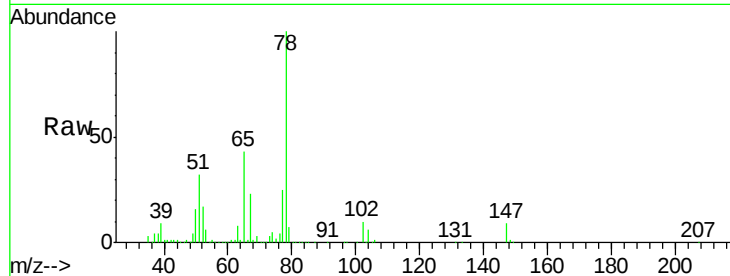




#33
 1,2-Dichloroethane-d4
 Concen: 22.962 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

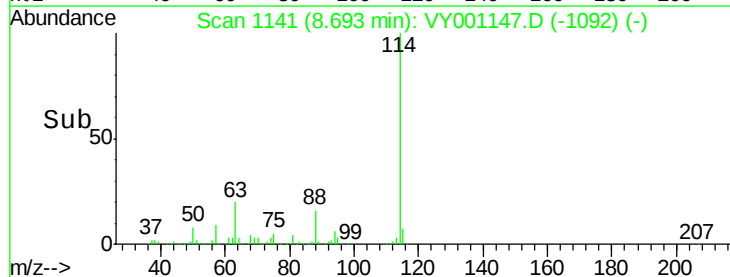
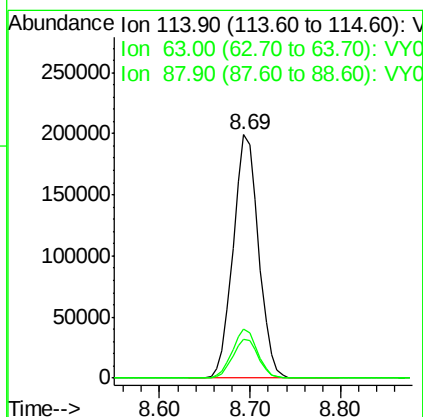
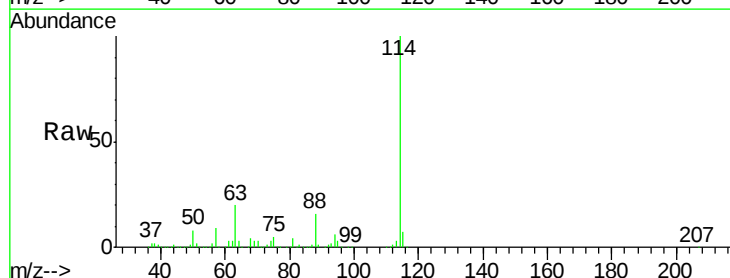
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

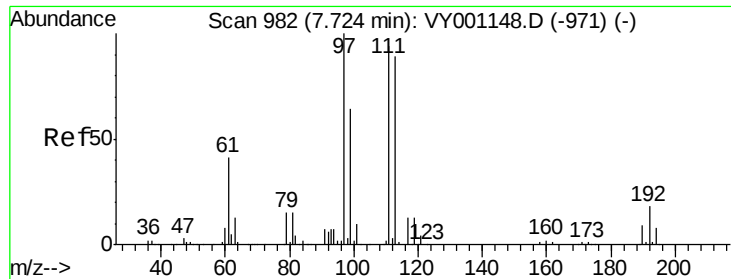
Tgt Ion: 65 Resp: 45527
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 114 Resp: 386059
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.2 0.0 32.4

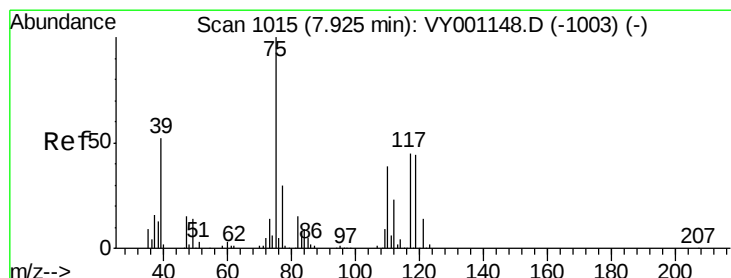
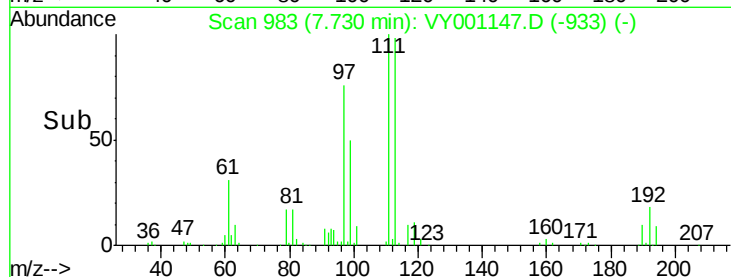
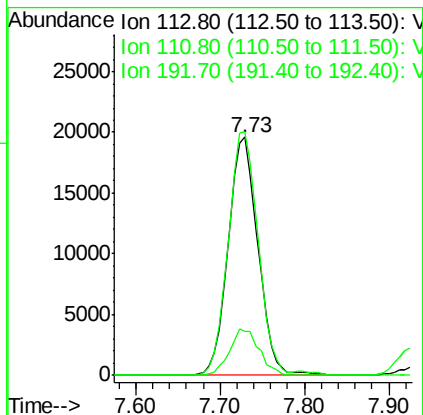
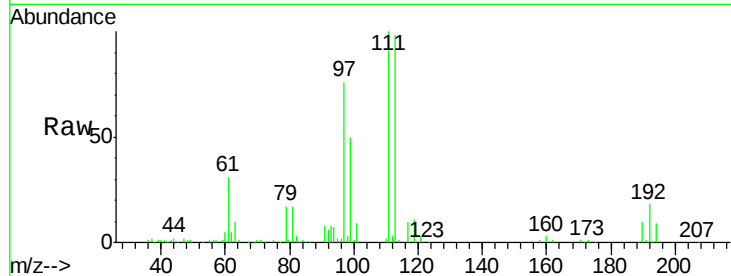




#35
 Dibromofluoromethane
 Concen: 21.335 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

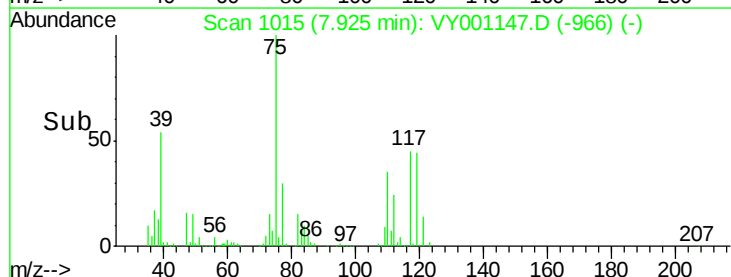
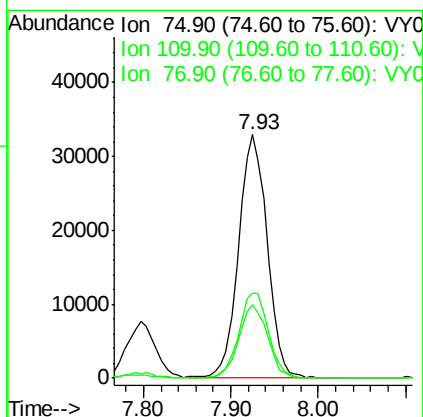
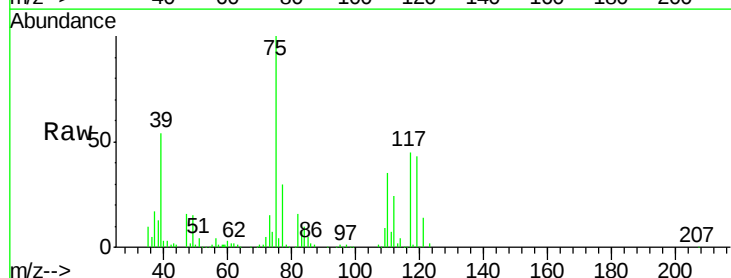
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

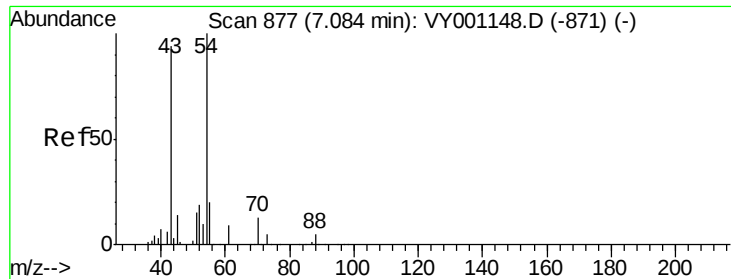
Tgt Ion:113 Resp: 46939
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 19.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 22.243 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 75 Resp: 75001
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.3 54.8
 77 30.3 25.1 37.7

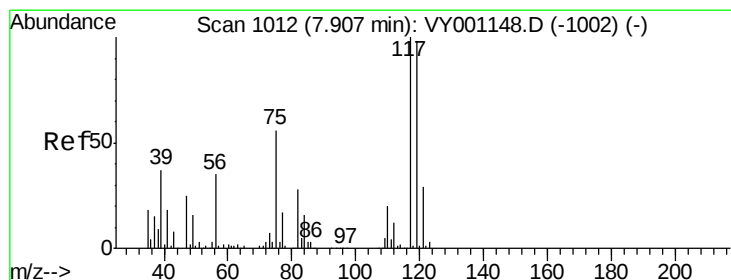
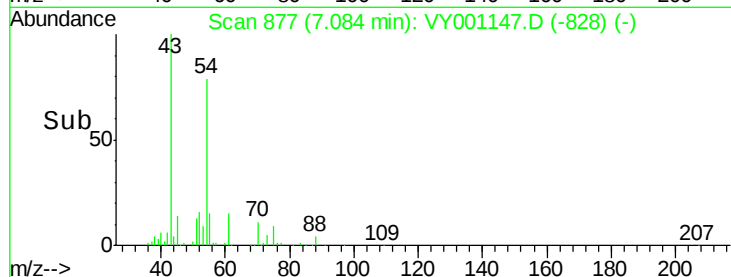
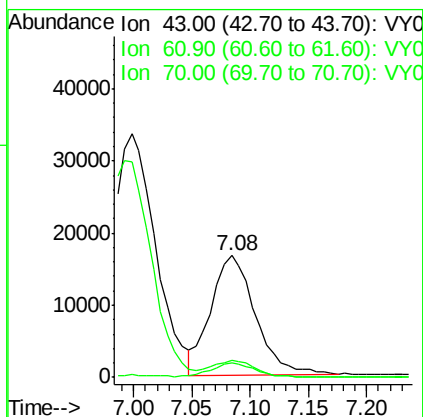
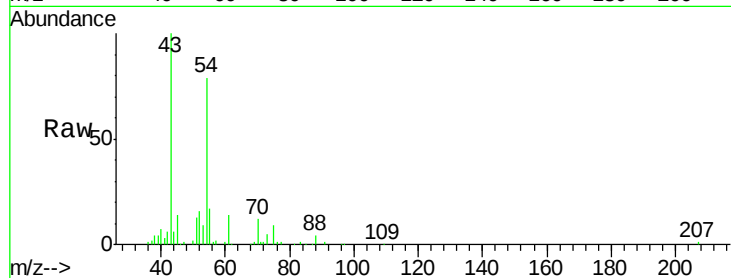




#37
Ethyl Acetate
Concen: 29.370 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

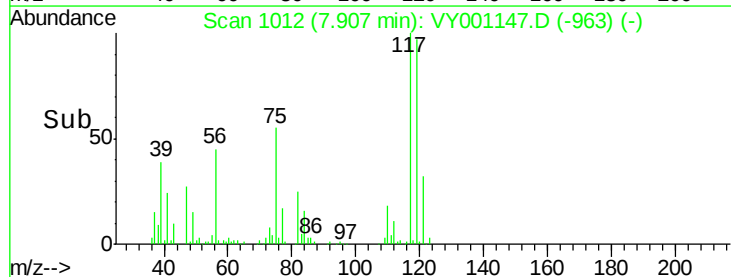
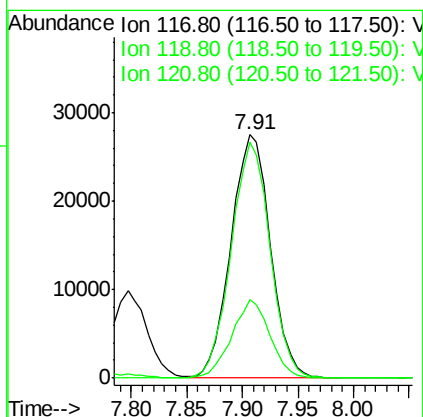
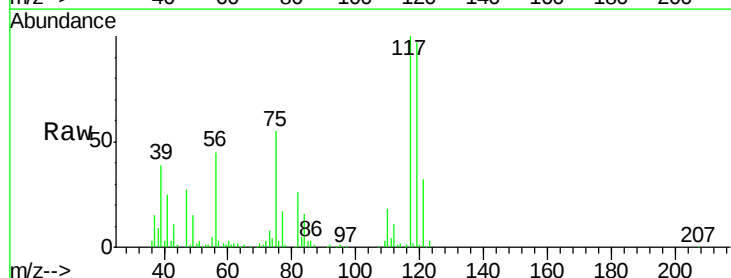
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

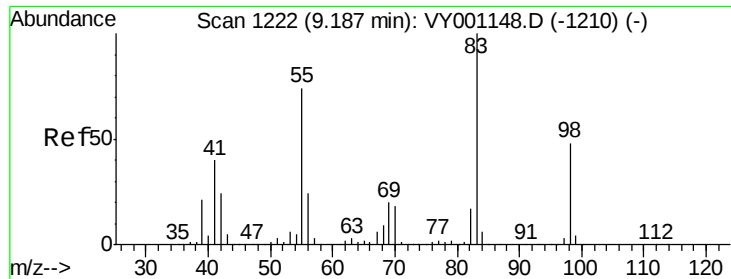
Tgt Ion: 43 Resp: 43868
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 12.1 9.7 14.5



#38
Carbon Tetrachloride
Concen: 19.704 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 117 Resp: 67633
Ion Ratio Lower Upper
117 100
119 96.8 78.3 117.5
121 32.3 23.5 35.3

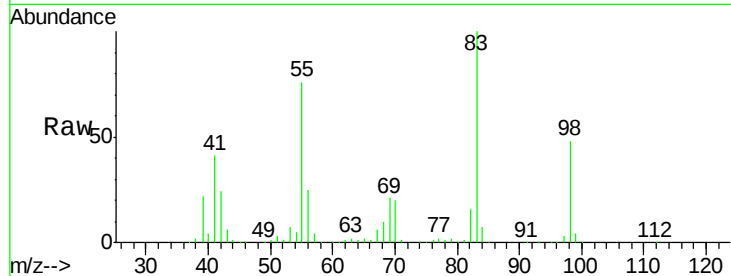




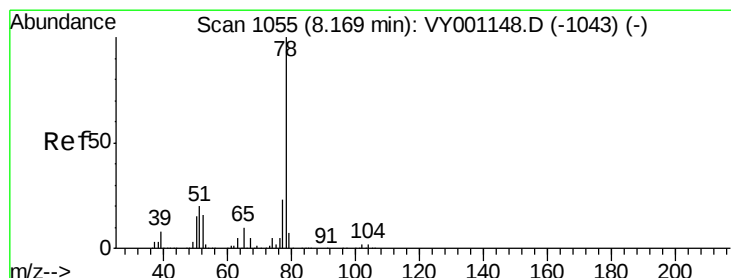
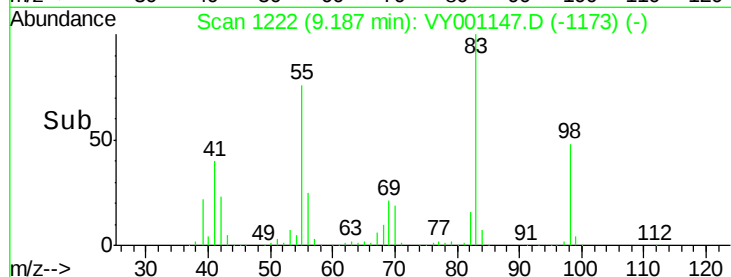
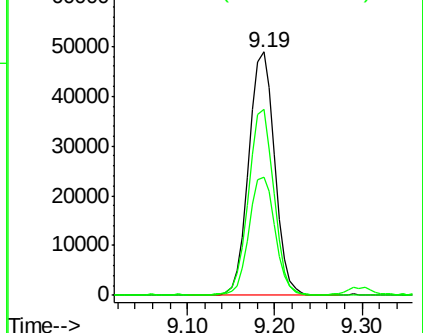
#39
Methylcyclohexane
Concen: 21.569 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 100460
Ion Ratio Lower Upper
83 100
55 76.1 58.9 88.3
98 48.4 38.4 57.6

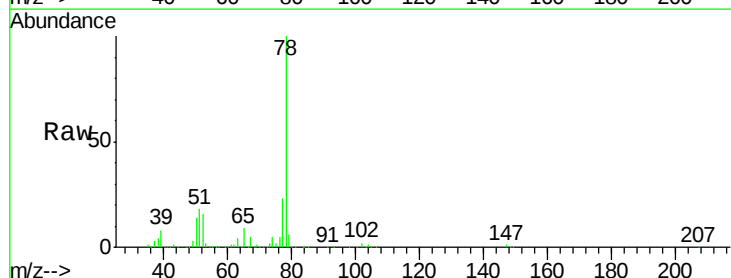


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

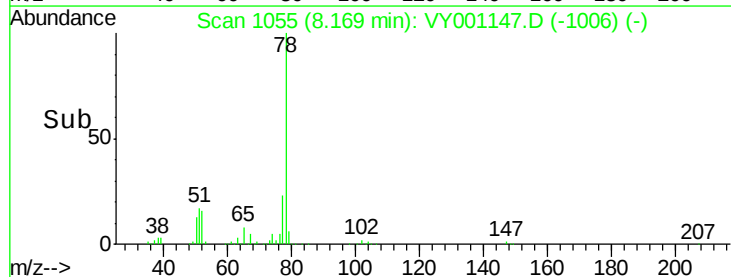
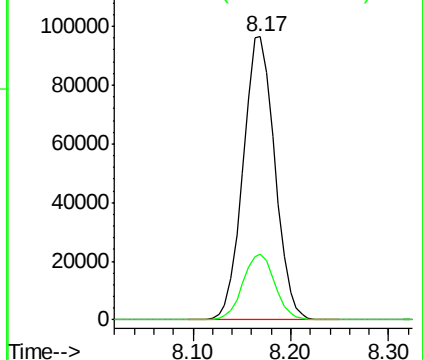


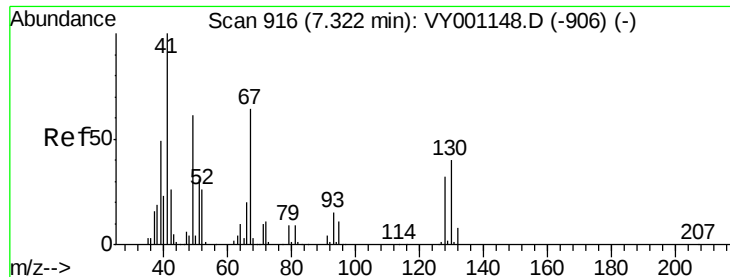
#40
Benzene
Concen: 21.069 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 78 Resp: 216963
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



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

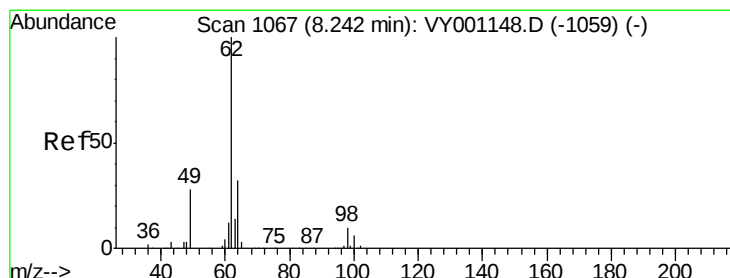
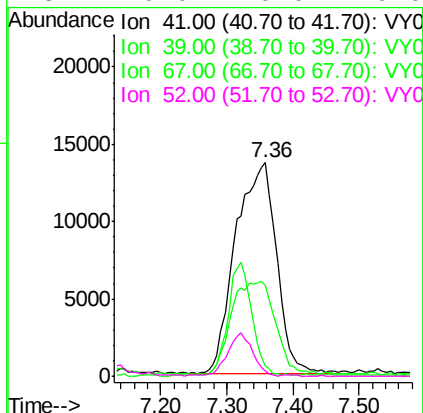
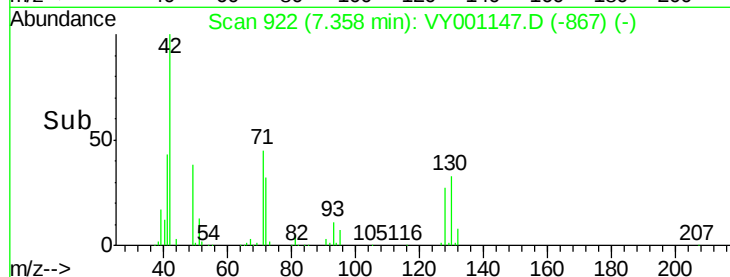
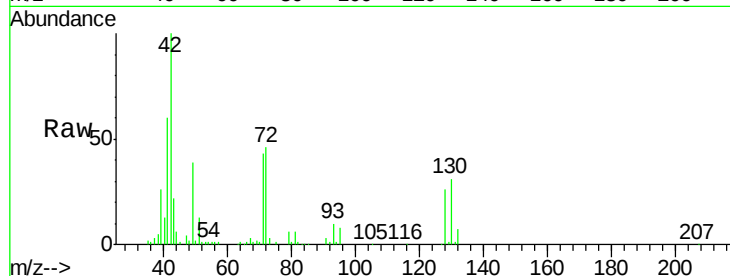




#41
Methacrylonitrile
Concen: 78.955 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.04 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

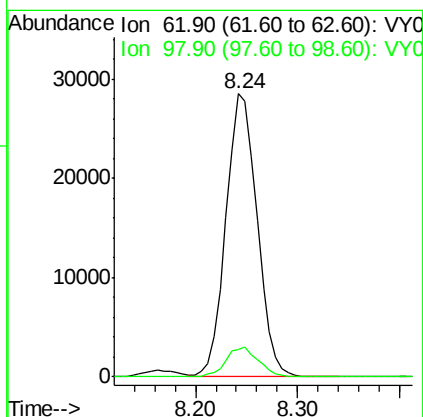
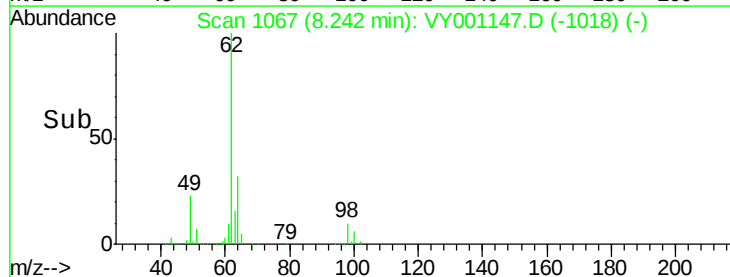
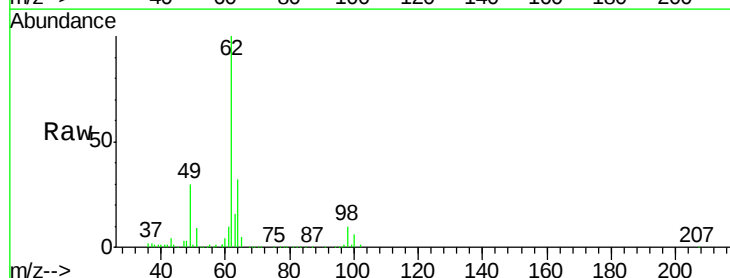
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

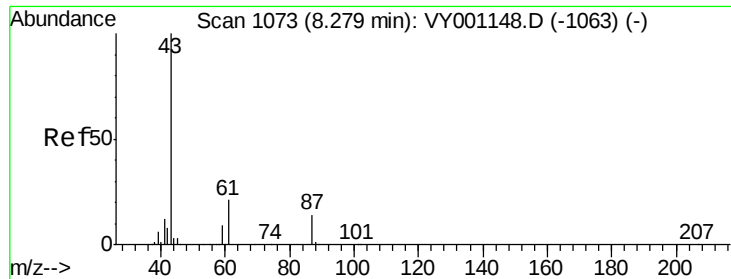
Tgt Ion: 41 Resp: 58456
Ion Ratio Lower Upper
41 100
39 47.1 103.5 155.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 23.928 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 62 Resp: 60498
Ion Ratio Lower Upper
62 100
98 11.0 0.0 20.4





#43

Isopropyl Acetate

Concen: 28.345 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

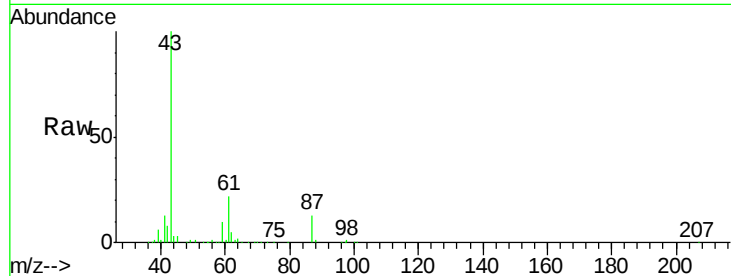
Tgt Ion: 43 Resp: 83644

Ion Ratio Lower Upper

43 100

61 29.6 23.9 35.9

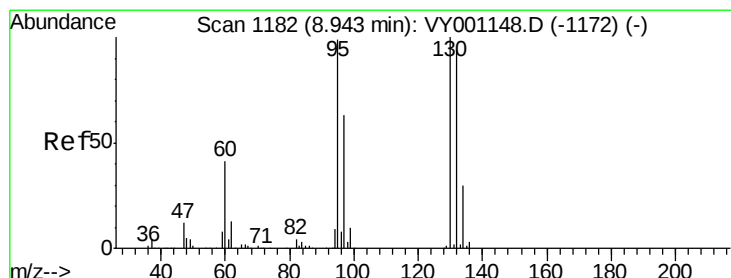
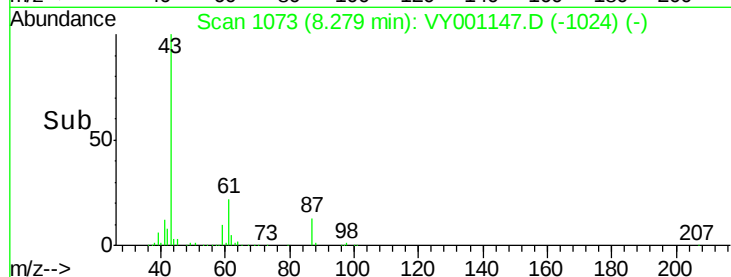
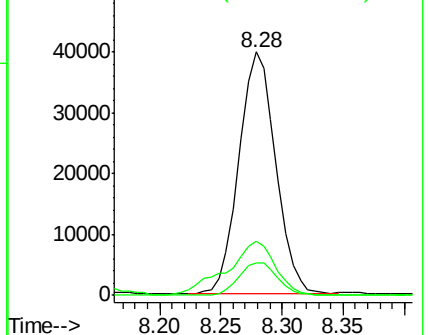
87 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VY001147.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY001147.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY001147.D (-1024) (-)



#44

Trichloroethene

Concen: 18.654 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY001147.D

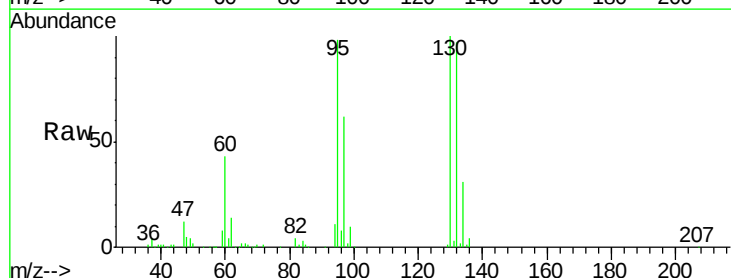
Acq: 10 Jan 2020 14:40

Tgt Ion: 130 Resp: 56453

Ion Ratio Lower Upper

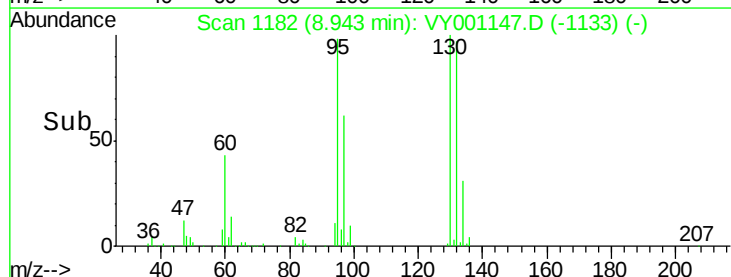
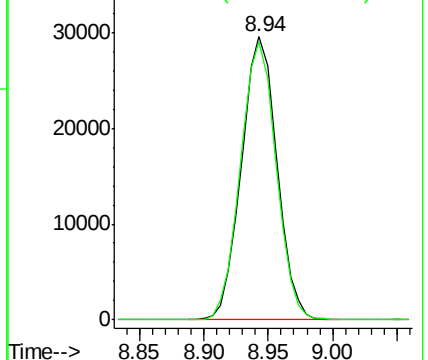
130 100

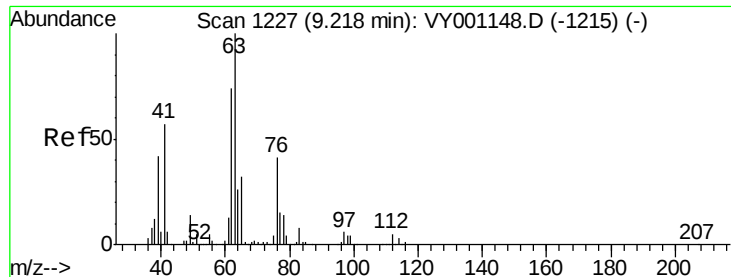
95 98.2 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): VY001147.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY001147.D (-1133) (-)

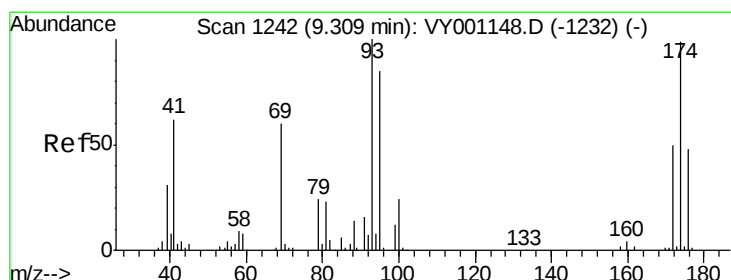
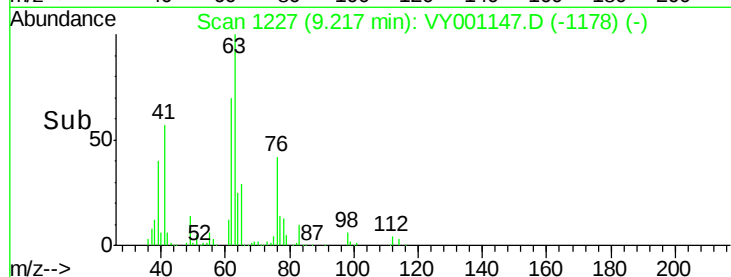
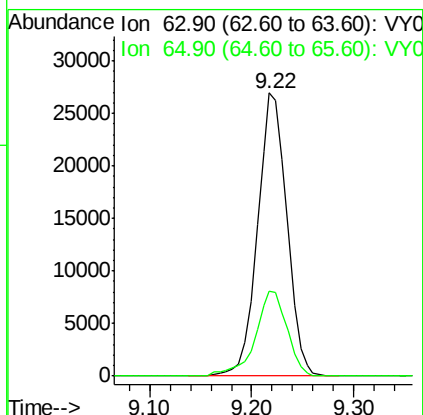
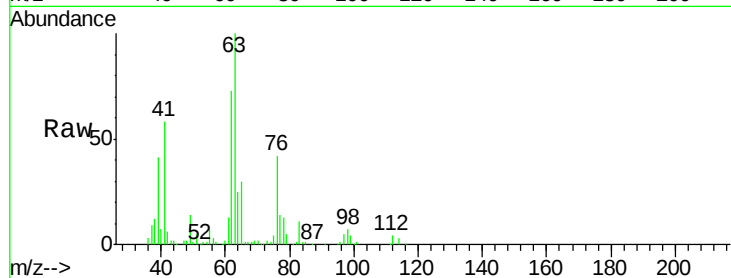




#45
 1,2-Dichloropropane
 Concen: 23.071 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

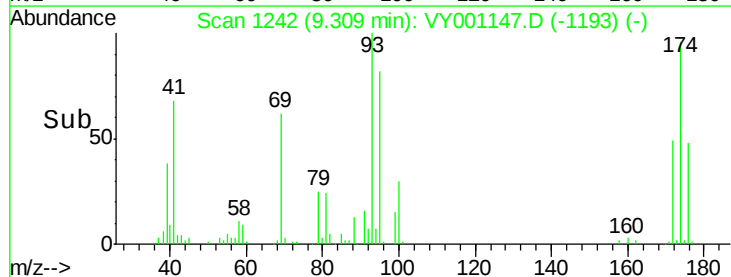
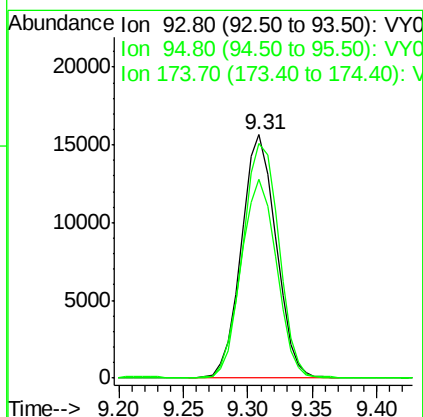
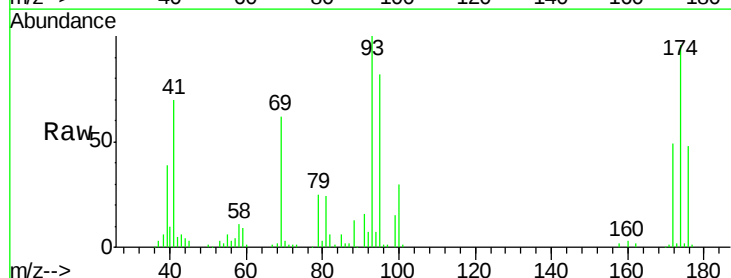
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 53831
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.8 38.8



#46
 Dibromomethane
 Concen: 21.425 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 93 Resp: 29233
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 99.9 78.4 117.6





#47

Bromodichloromethane

Concen: 22.809 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

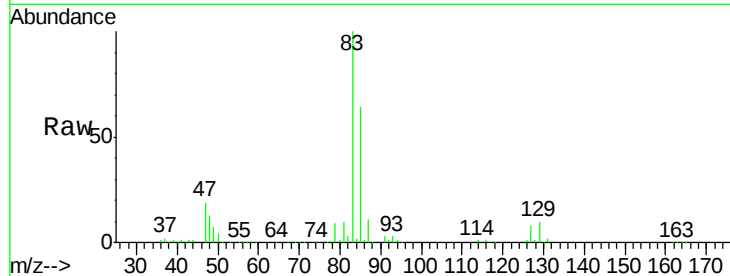
Tgt Ion: 83 Resp: 70869

Ion Ratio Lower Upper

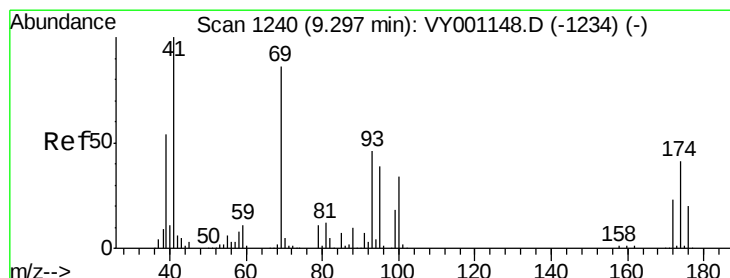
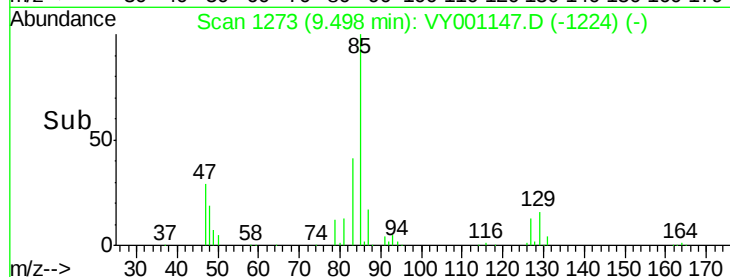
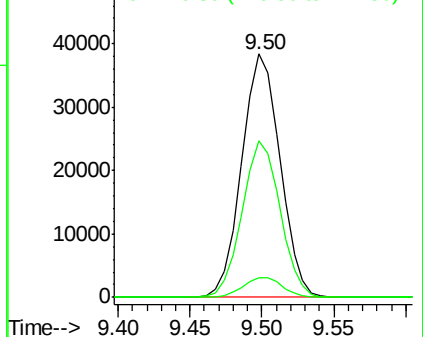
83 100

85 64.1 51.5 77.3

127 8.1 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 29.884 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

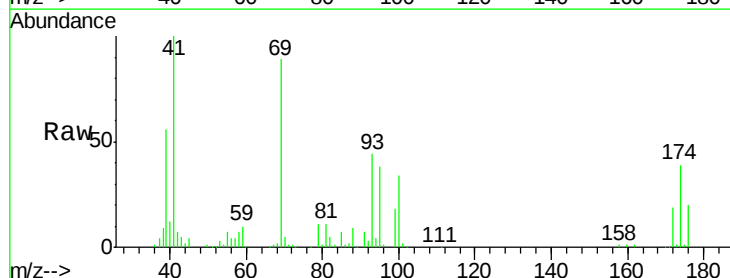
Tgt Ion: 41 Resp: 38423

Ion Ratio Lower Upper

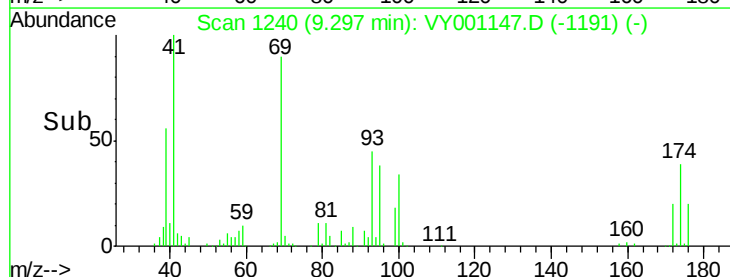
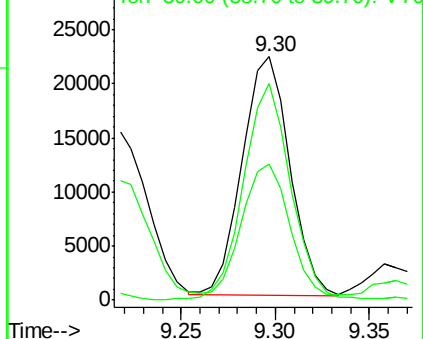
41 100

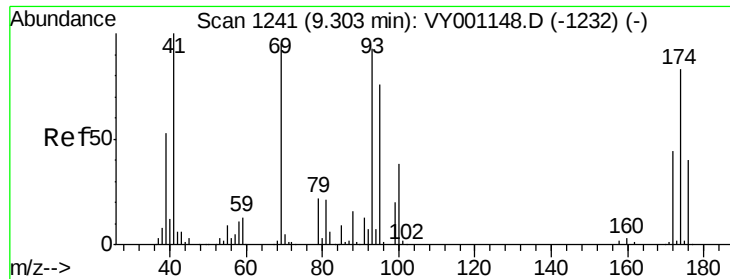
69 89.3 69.8 104.8

39 58.6 45.2 67.8



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

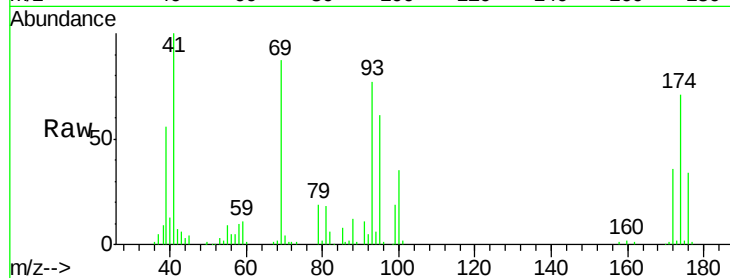




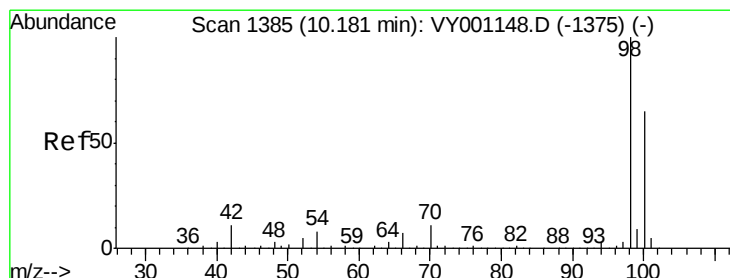
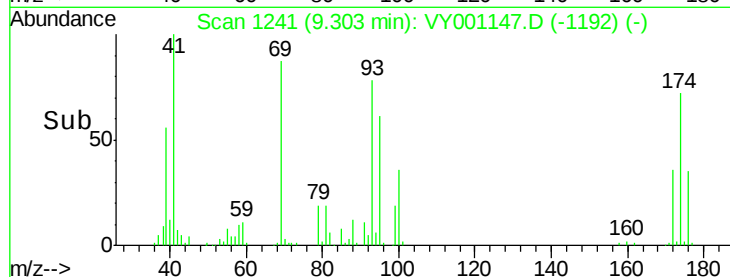
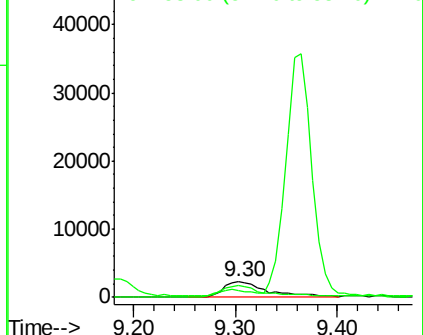
#49
 1,4-Dioxane
 Concen: 350.114 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 88 Resp: 7071
 Ion Ratio Lower Upper
 88 100
 43 27.5 22.4 33.6
 58 68.0 58.0 87.0

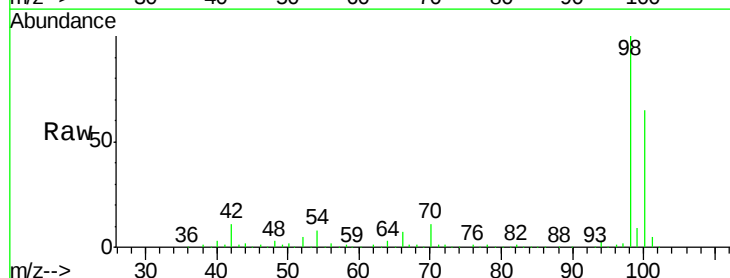


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

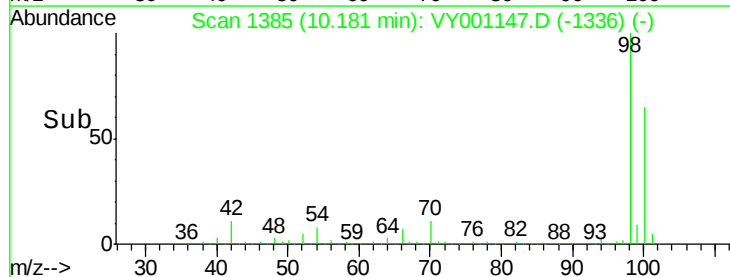
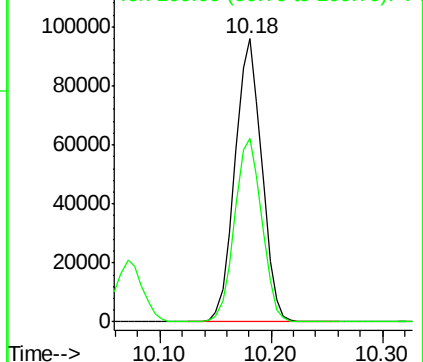


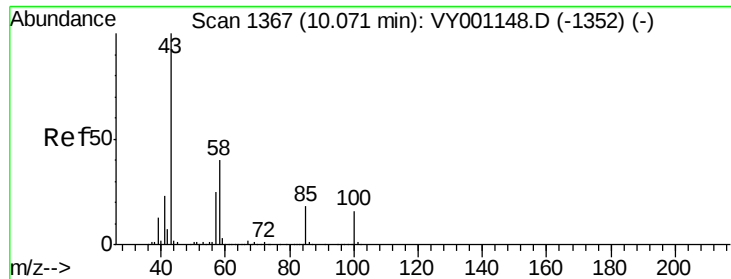
#50
 Toluene-d8
 Concen: 19.526 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 98 Resp: 160142
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.1 79.7



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

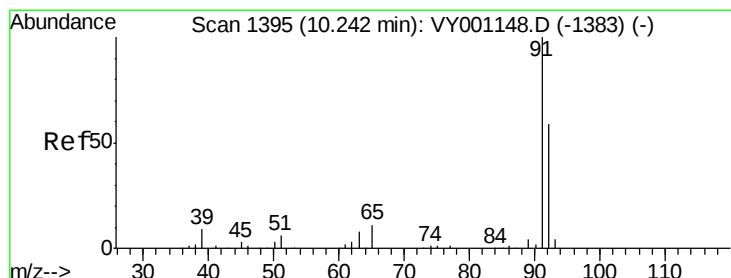
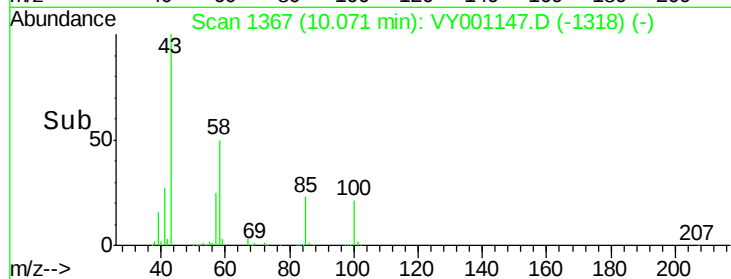
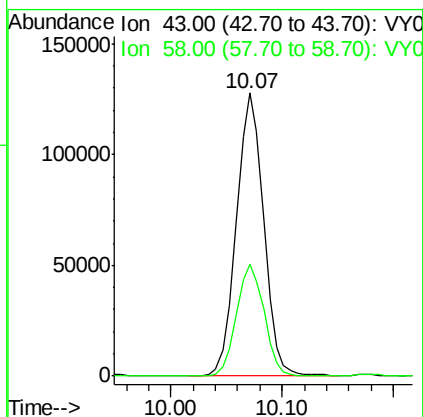
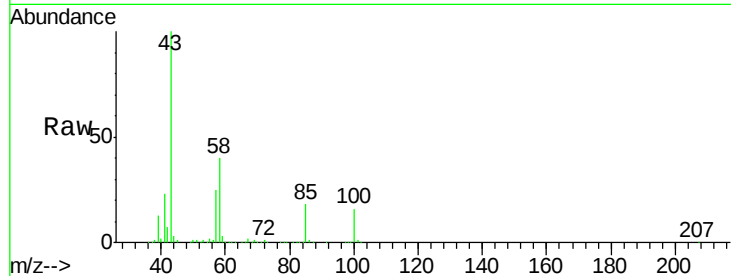




#51
 4-Methyl-2-Pentanone
 Concen: 151.241 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

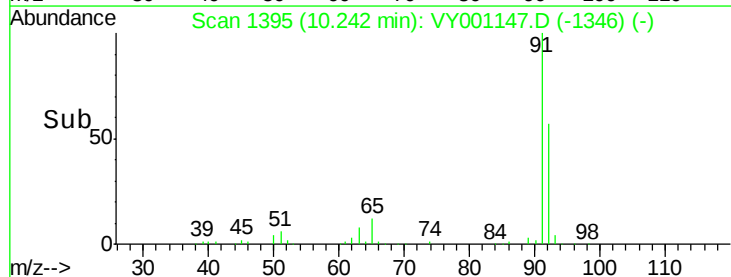
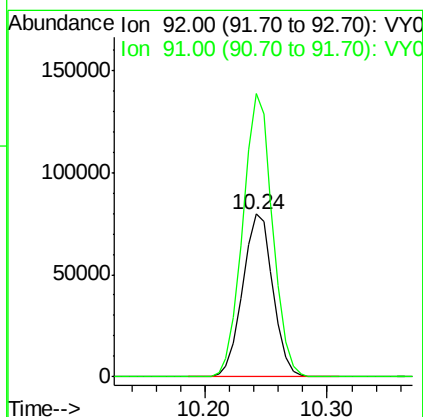
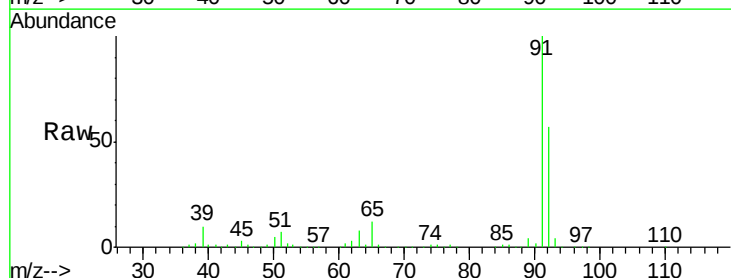
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 215102
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.3 48.5



#52
 Toluene
 Concen: 21.476 ug/l
 RT: 10.24 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 92 Resp: 136516
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 23.987 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampled :

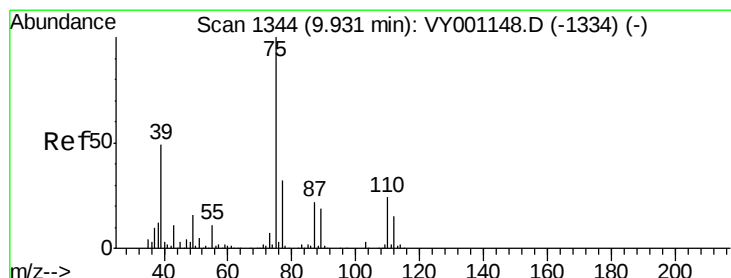
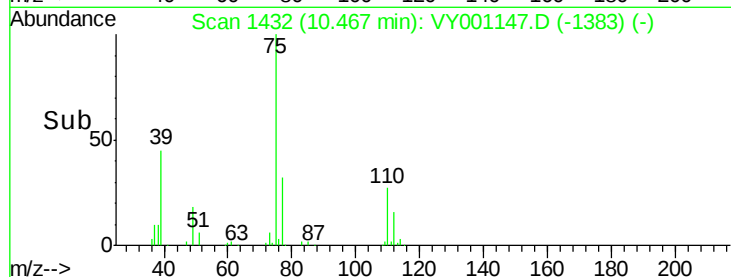
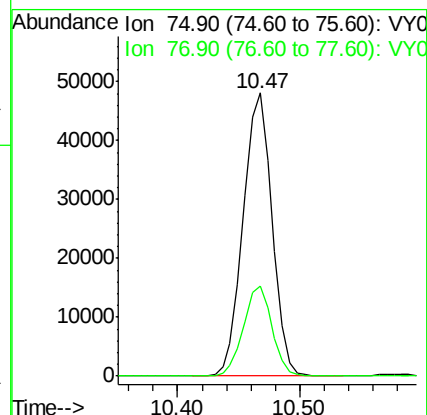
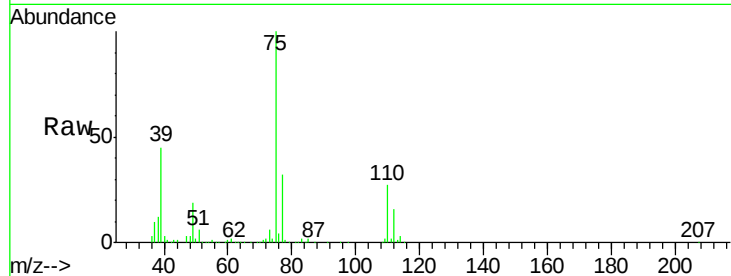
VSTDIC020

Tgt Ion: 75 Resp: 78797

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 23.242 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

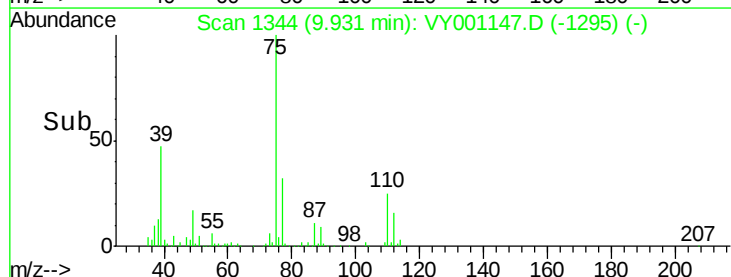
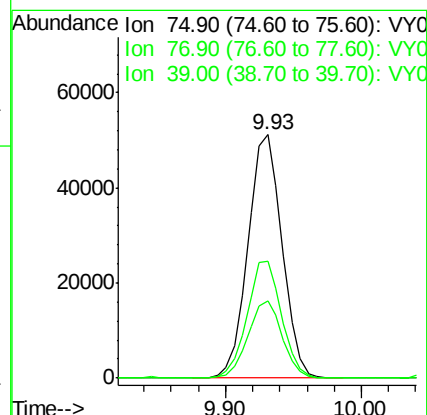
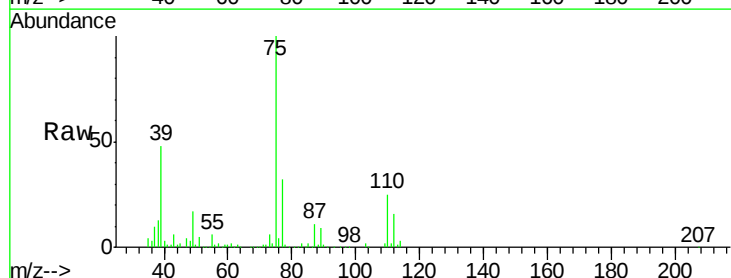
Tgt Ion: 75 Resp: 89648

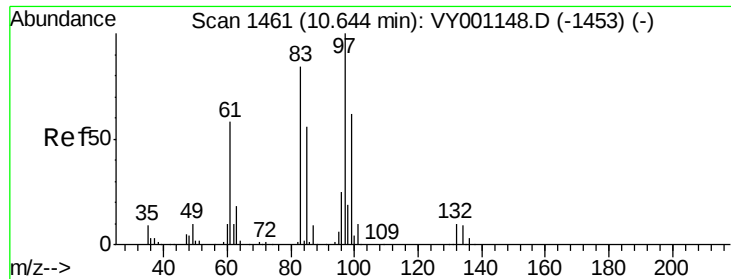
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 47.6 39.1 58.7

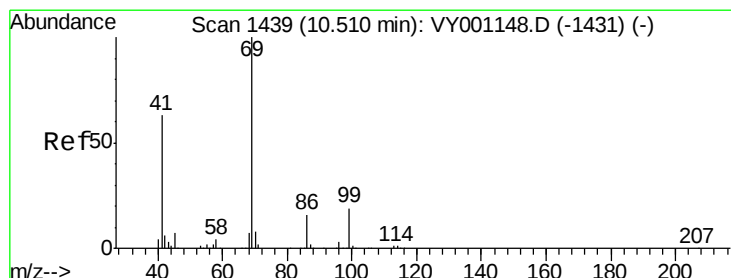
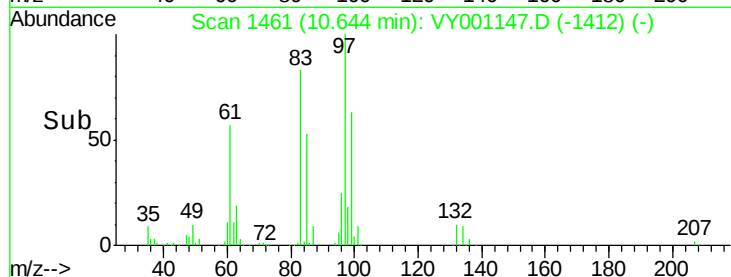
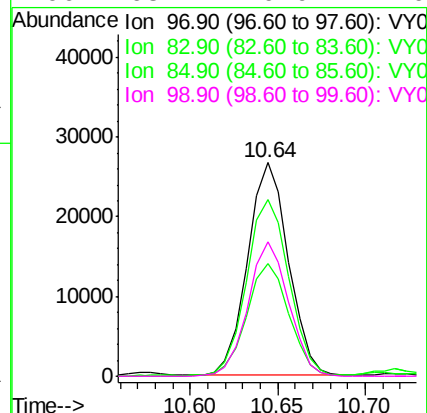
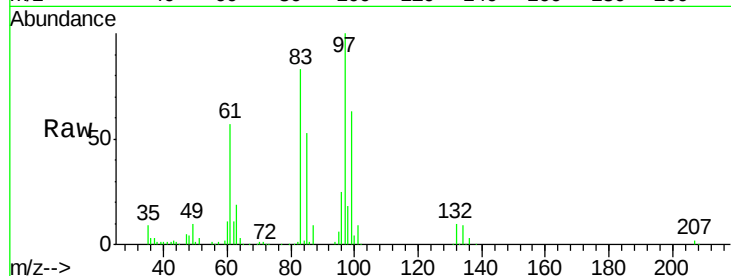




#55
 1,1,2-Trichloroethane
 Concen: 22.149 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

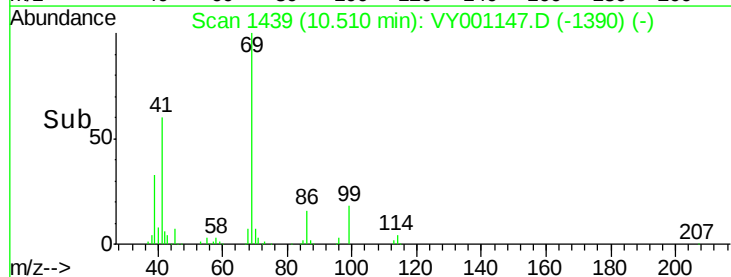
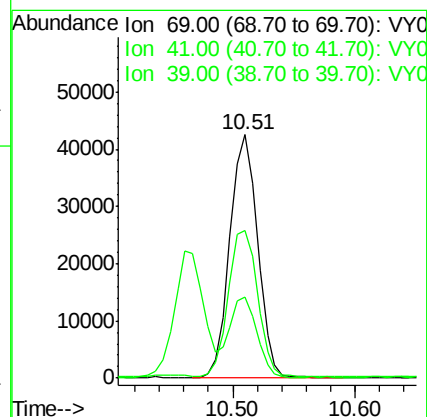
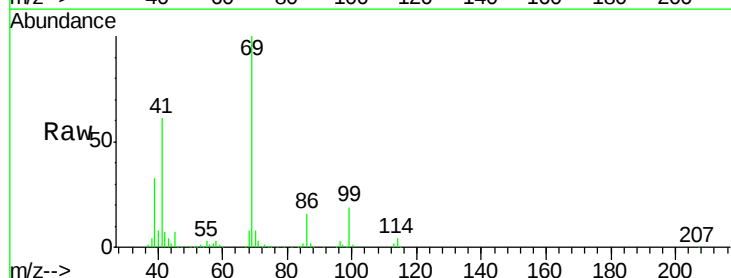
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

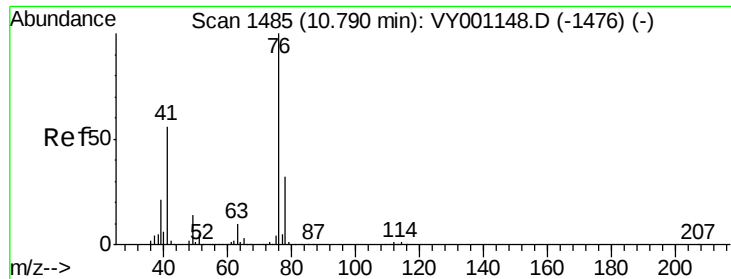
Tgt Ion: 97 Resp: 43368
 Ion Ratio Lower Upper
 97 100
 83 82.5 67.2 100.8
 85 52.6 44.9 67.3
 99 63.2 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 25.705 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 69 Resp: 66696
 Ion Ratio Lower Upper
 69 100
 41 63.8 51.4 77.2
 39 33.1 26.3 39.5





#57

1,3-Dichloropropane

Concen: 24.391 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampled :

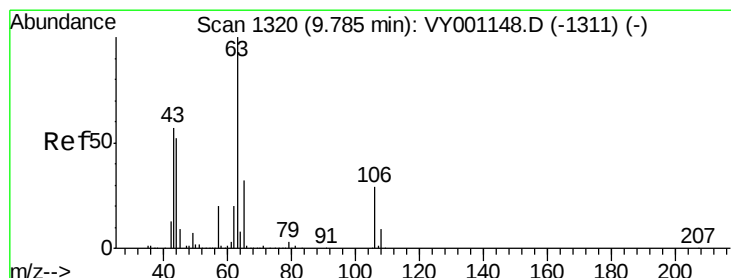
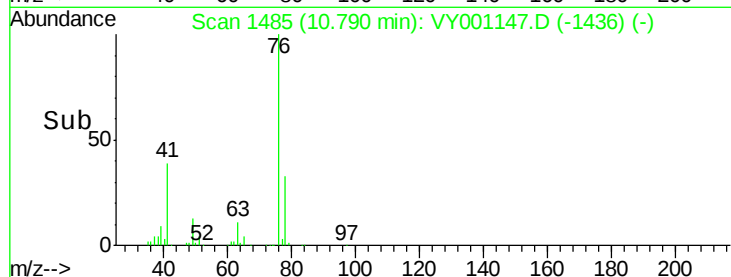
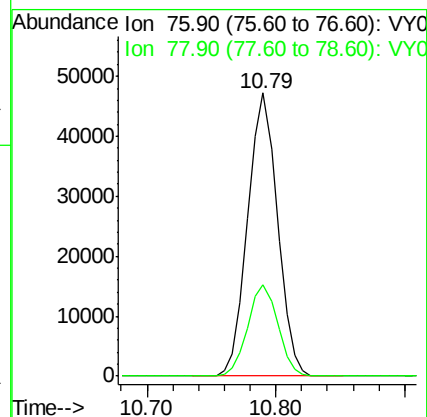
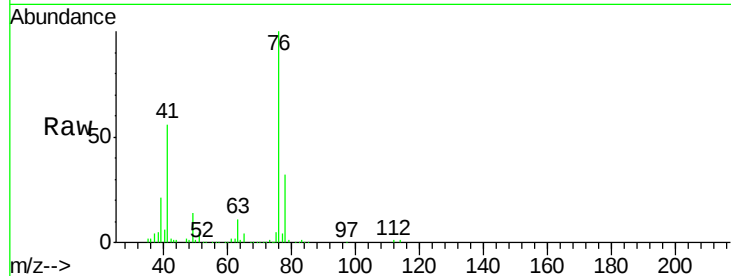
VSTDIC020

Tgt Ion: 76 Resp: 75491

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 121.880 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001147.D

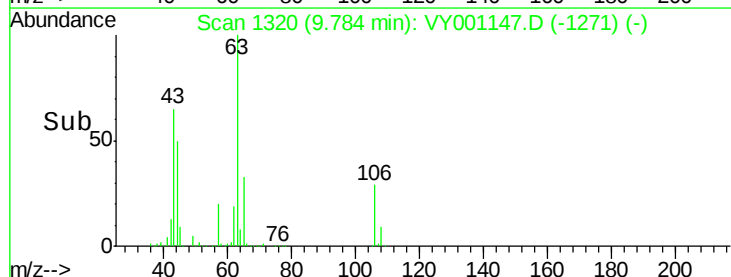
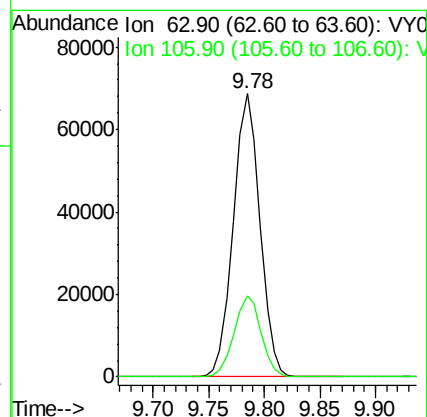
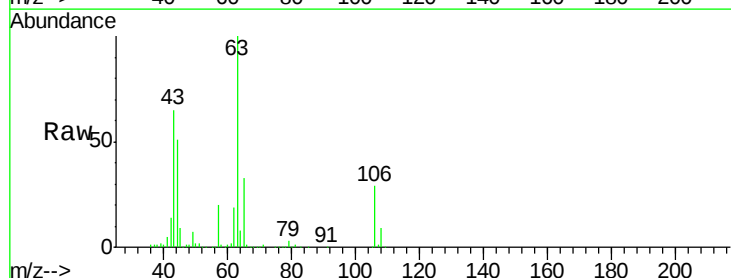
Acq: 10 Jan 2020 14:40

Tgt Ion: 63 Resp: 113604

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6

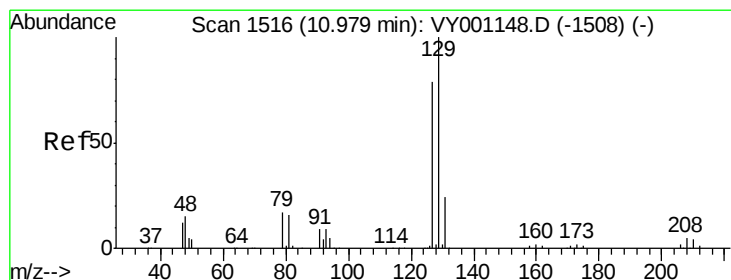
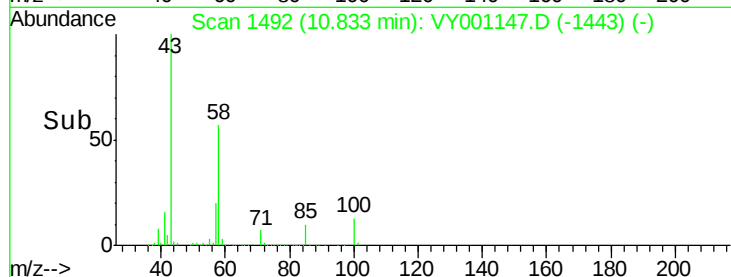
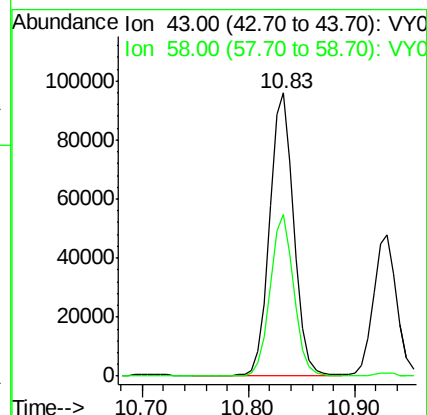
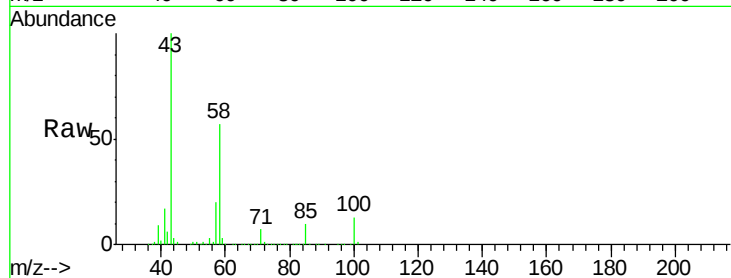




#59
2-Hexanone
Concen: 159.521 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

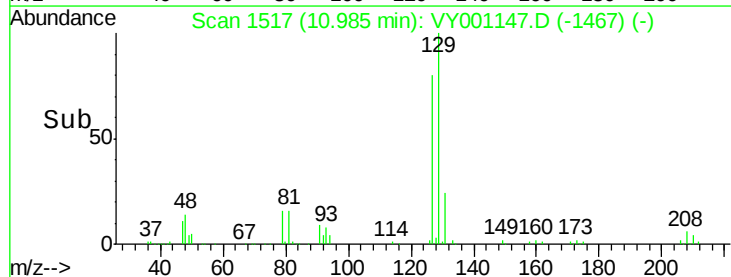
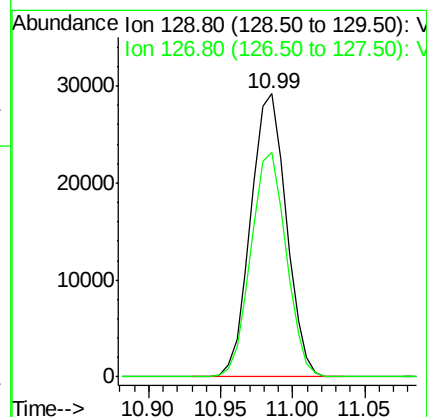
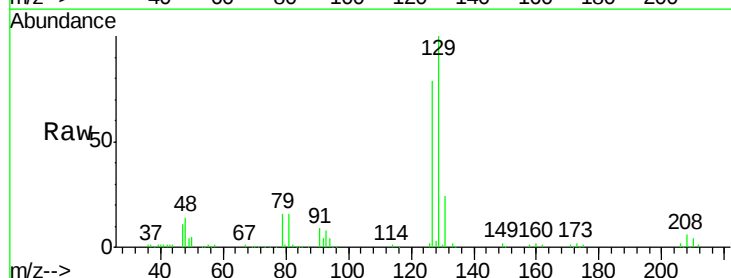
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 151790
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.2



#60
Dibromochloromethane
Concen: 22.370 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 129 Resp: 49959
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

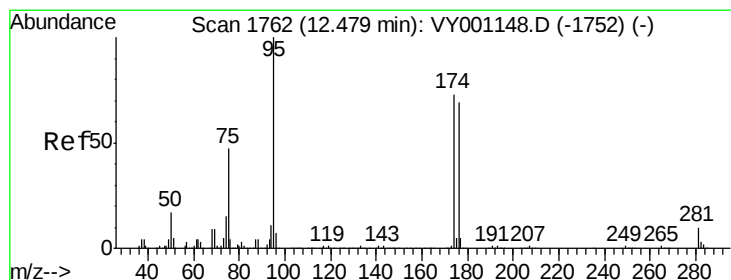
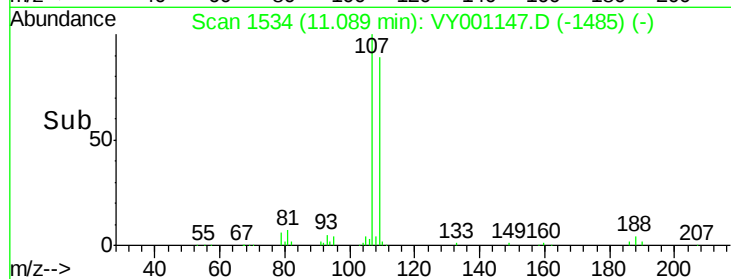
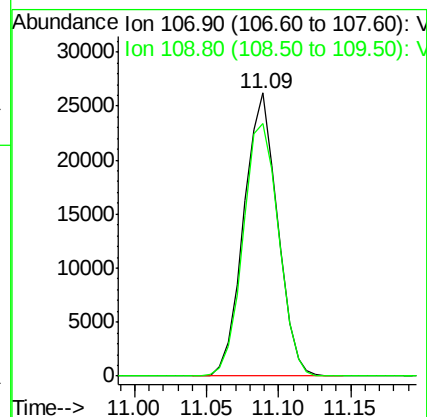
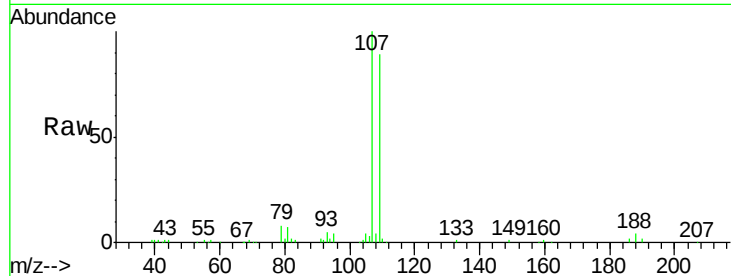




#61
 1,2-Dibromoethane
 Concen: 22.424 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

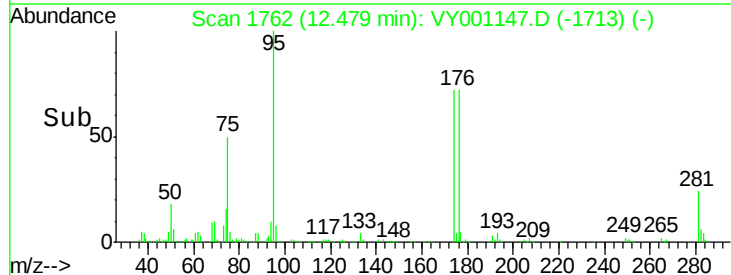
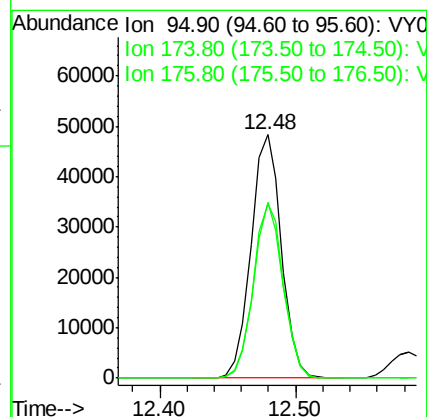
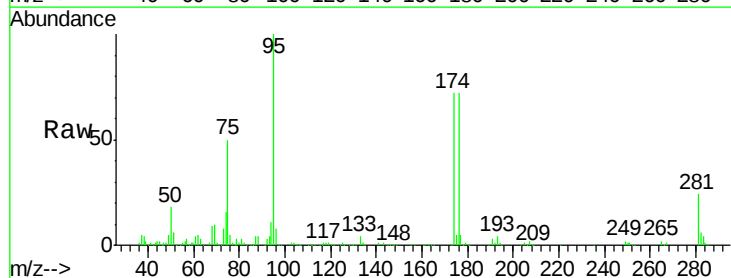
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

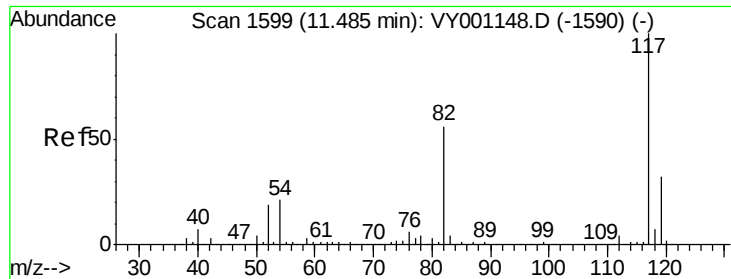
Tgt Ion: 107 Resp: 42529
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 23.855 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 95 Resp: 75261
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 143.2
 176 69.4 0.0 136.0

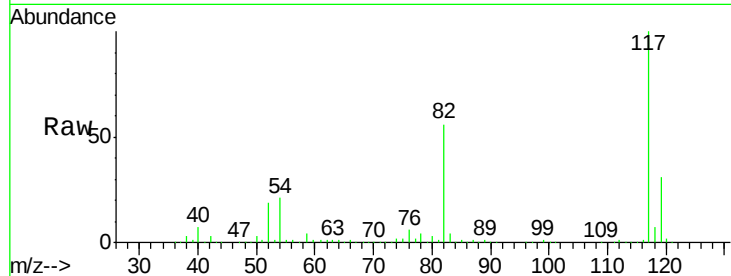




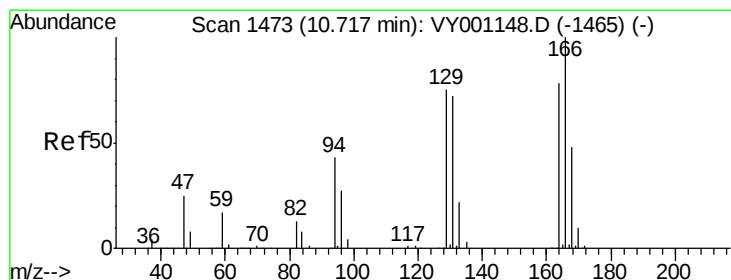
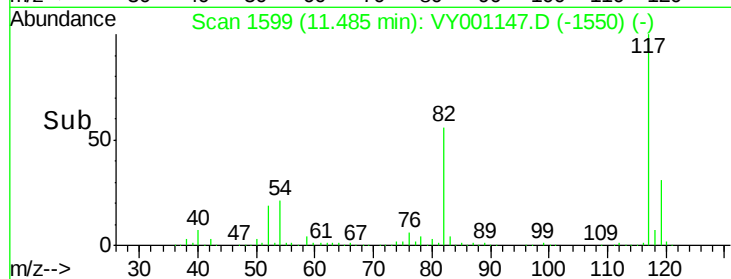
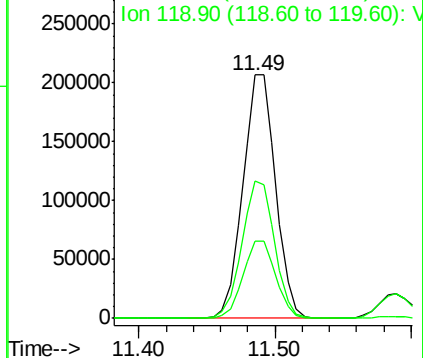
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tgt Ion:117 Resp: 346713
Ion Ratio Lower Upper
117 100
82 56.5 44.9 67.3
119 31.5 25.7 38.5

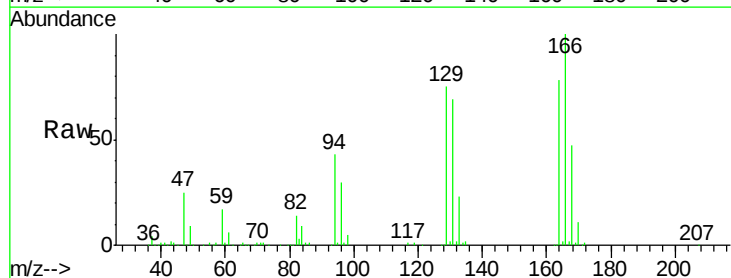


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

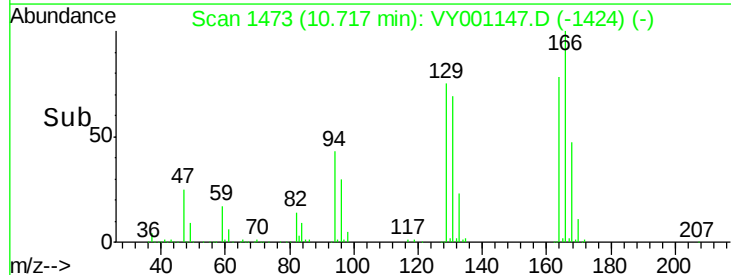
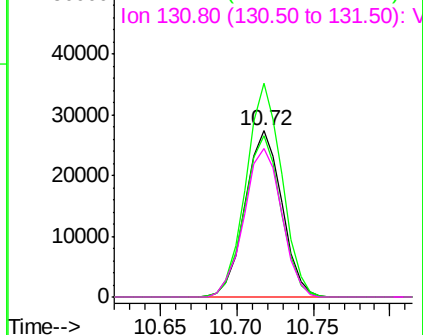


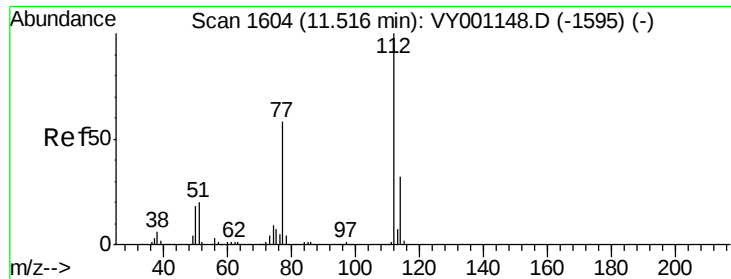
#64
Tetrachloroethene
Concen: 14.873 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion:164 Resp: 45616
Ion Ratio Lower Upper
164 100
166 128.6 102.3 153.5
129 96.8 76.2 114.4
131 89.3 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

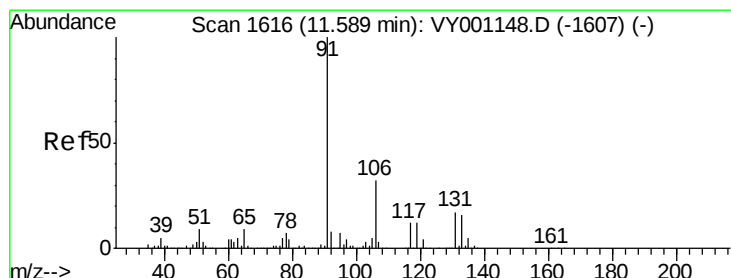
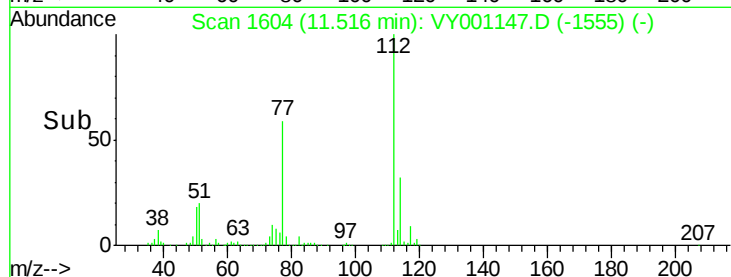
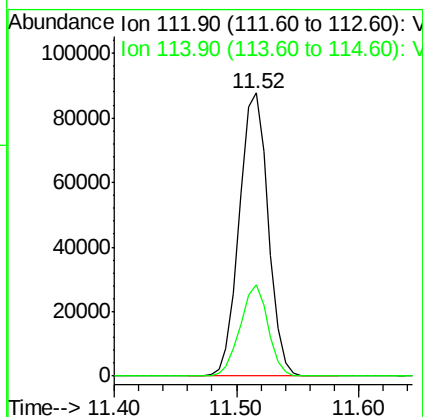
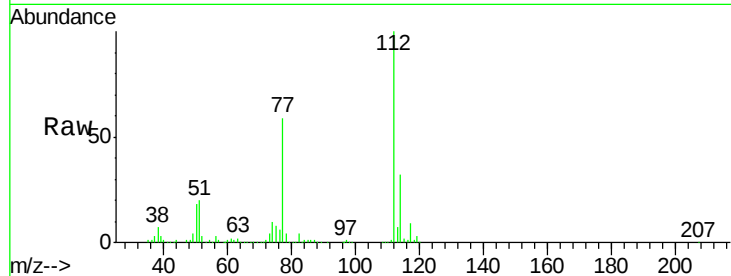




#65
Chlorobenzene
Concen: 19.680 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

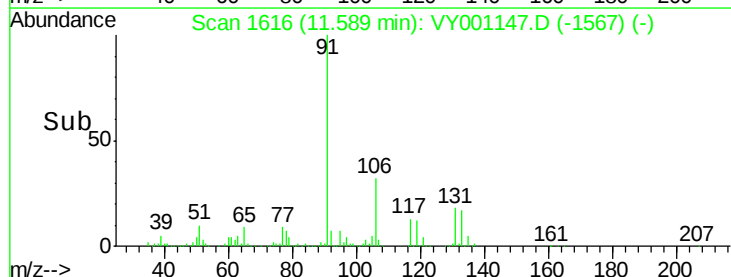
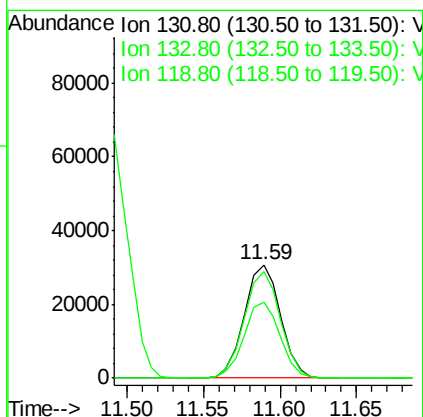
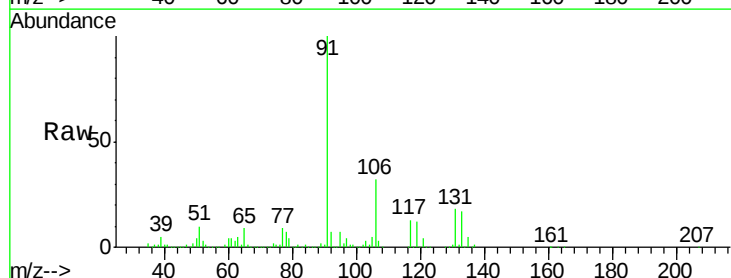
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

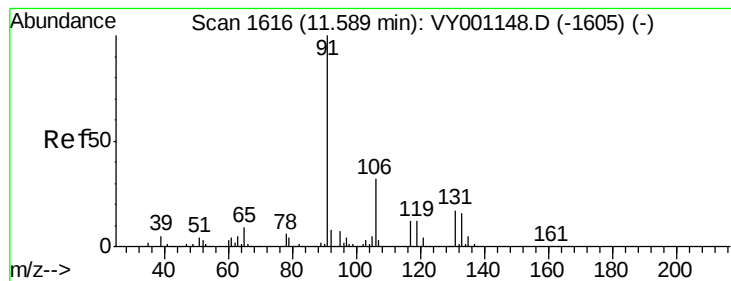
Tgt Ion:112 Resp: 143266
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.689 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion:131 Resp: 50369
Ion Ratio Lower Upper
131 100
133 95.0 47.3 142.0
119 67.3 33.6 100.8





#67

Ethyl Benzene

Concen: 20.907 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

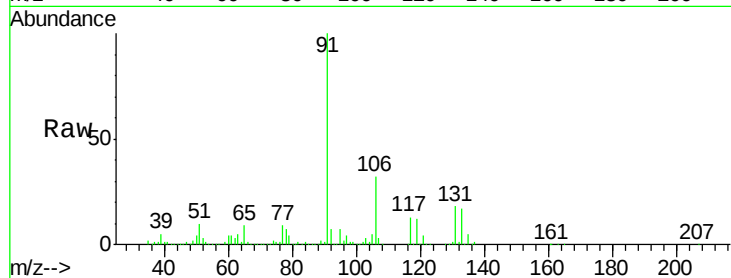
VSTDIC020

Tgt Ion: 91 Resp: 266808

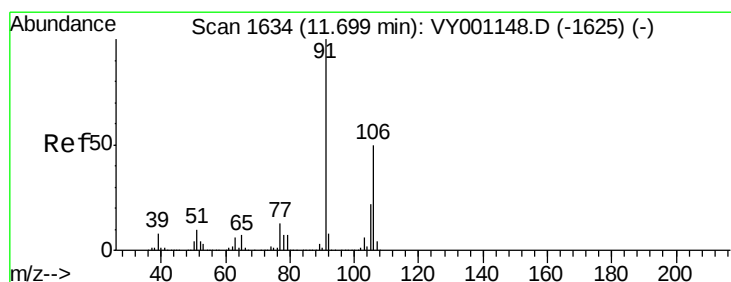
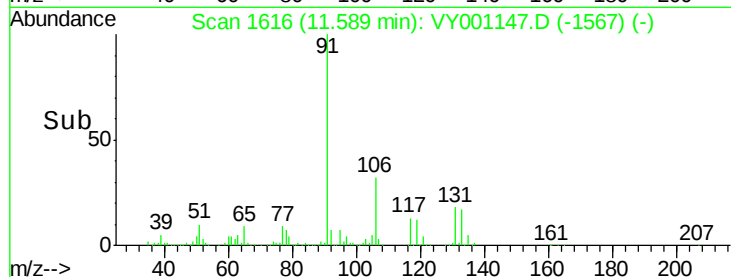
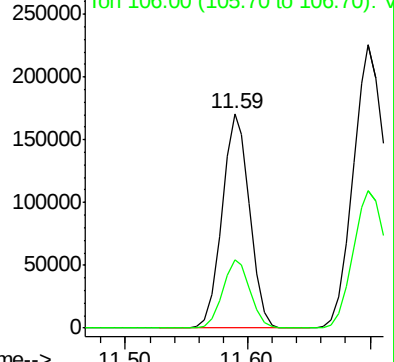
Ion Ratio Lower Upper

91 100

106 31.9 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY001147.D (-1567) (-)



#68

m/p-Xylenes

Concen: 40.428 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY001147.D

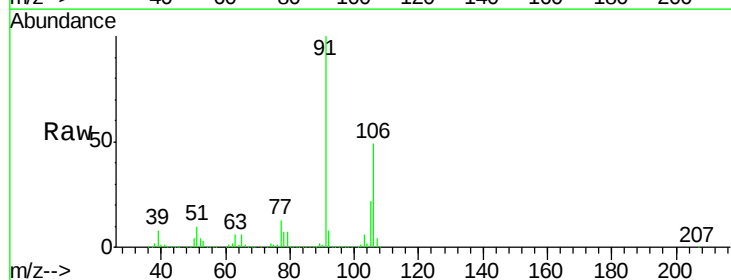
Acq: 10 Jan 2020 14:40

Tgt Ion: 106 Resp: 203600

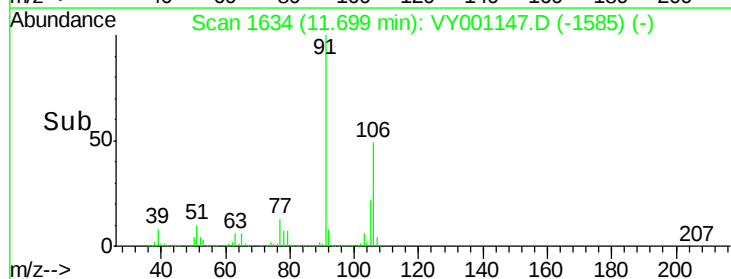
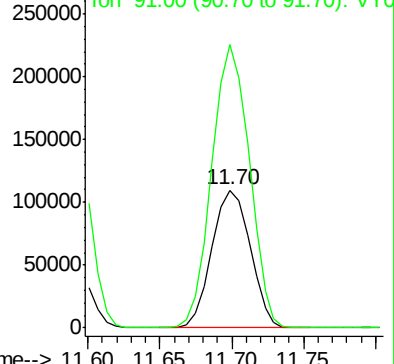
Ion Ratio Lower Upper

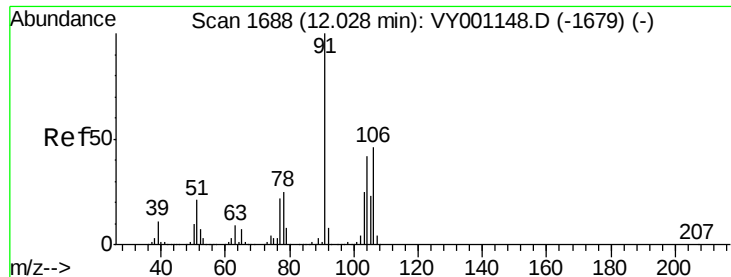
106 100

91 200.6 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VY001147.D (-1585) (-)

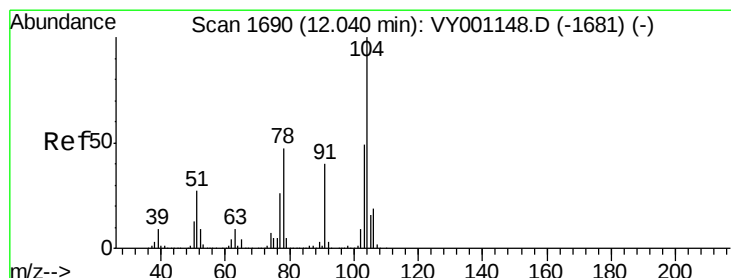
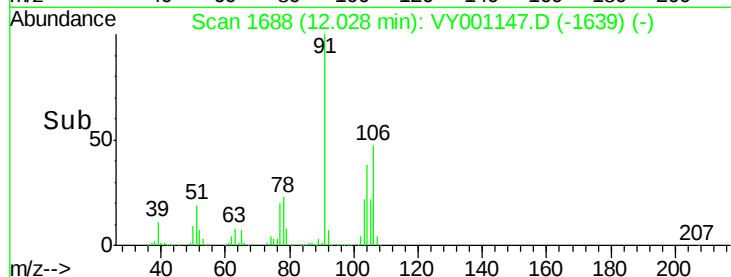
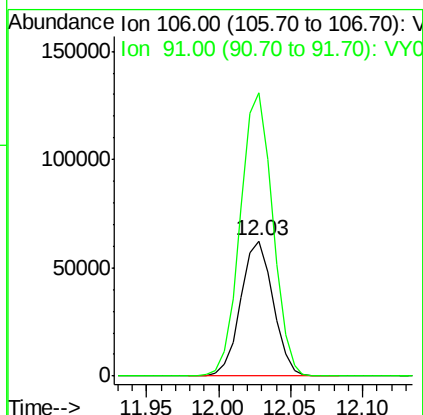
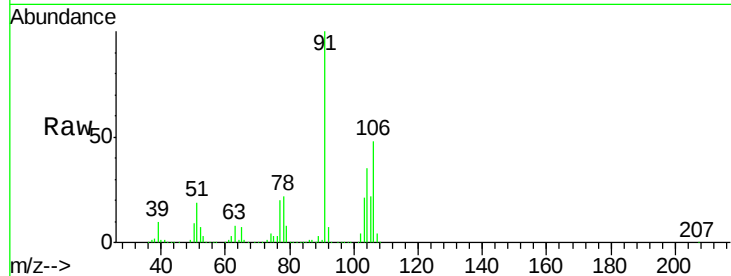




#69
o-Xylene
Concen: 20.349 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

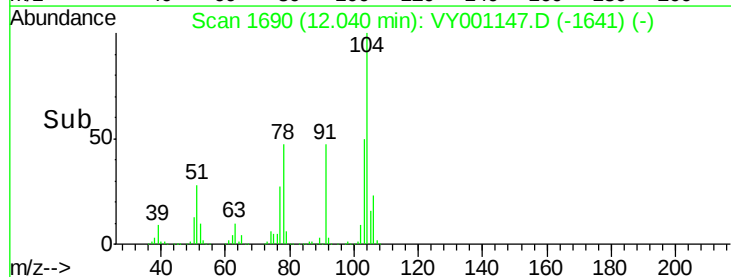
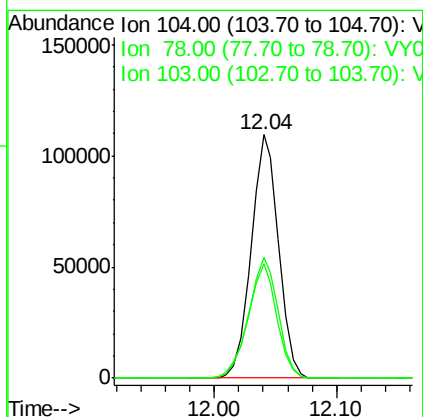
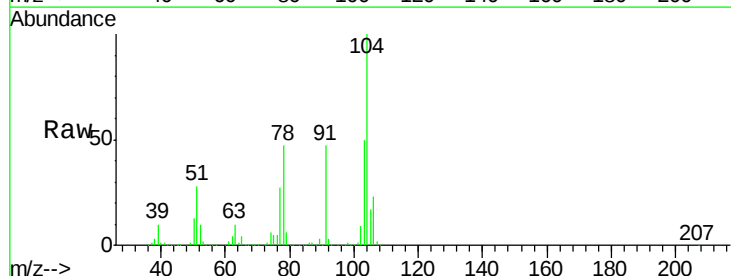
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

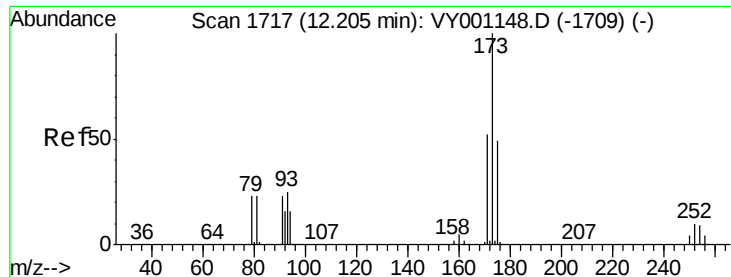
Tgt Ion:106 Resp: 97281
Ion Ratio Lower Upper
106 100
91 210.3 106.3 318.8



#70
Styrene
Concen: 20.979 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion:104 Resp: 170452
Ion Ratio Lower Upper
104 100
78 49.6 40.5 60.7
103 53.0 42.4 63.6





#71

Bromoform

Concen: 20.261 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

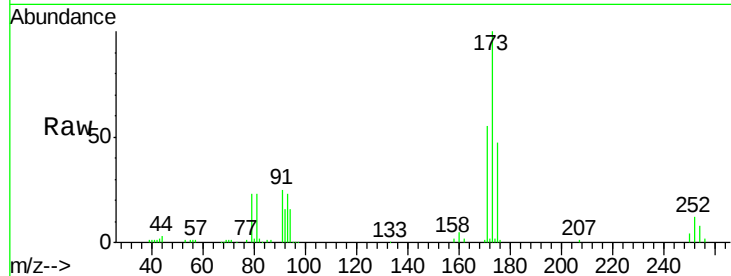
Tgt Ion:173 Resp: 30988

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.2

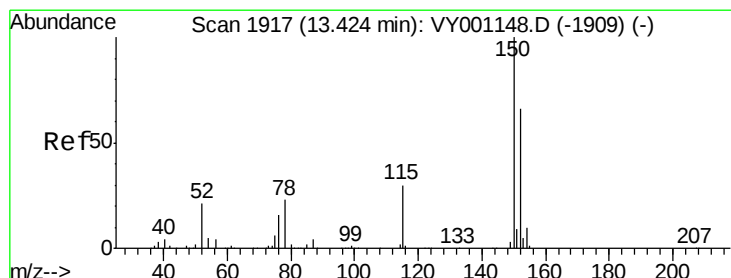
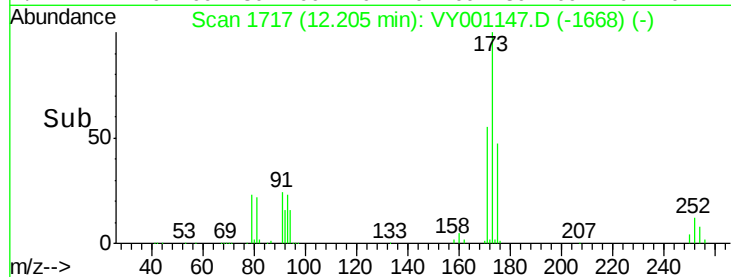
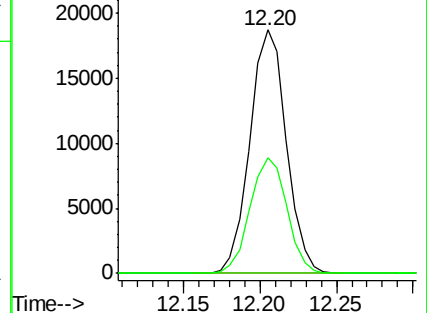
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

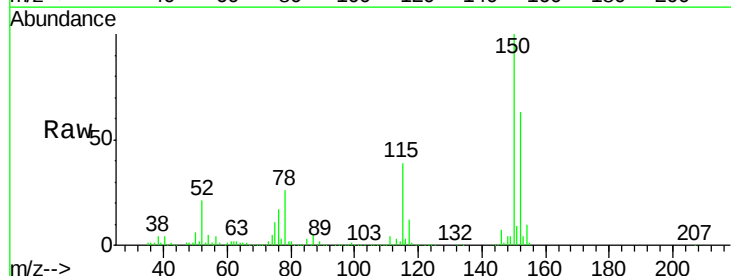
Tgt Ion:152 Resp: 168811

Ion Ratio Lower Upper

152 100

115 62.4 30.9 92.5

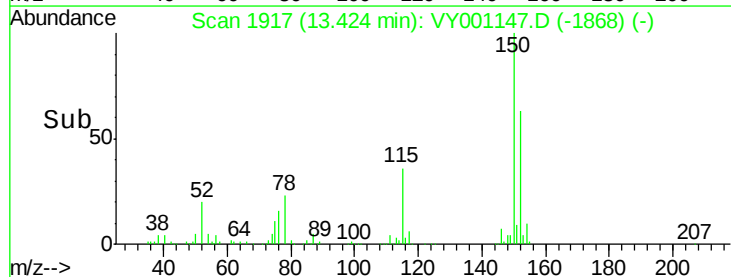
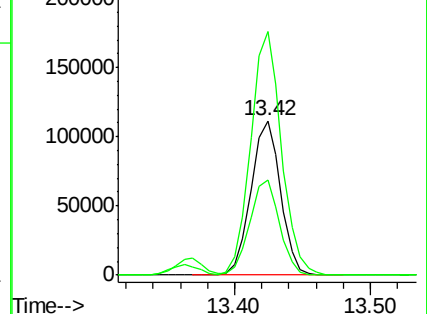
150 164.6 0.0 346.8



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: 20.108 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

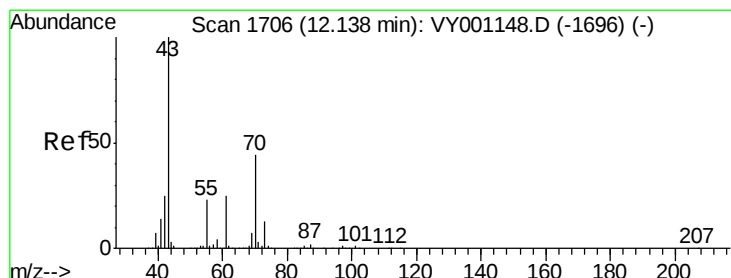
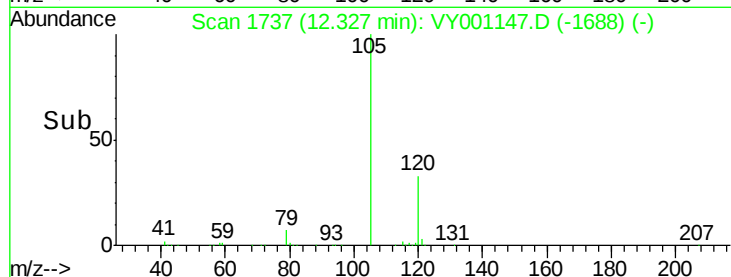
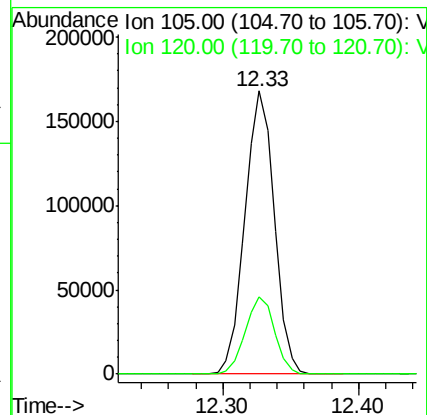
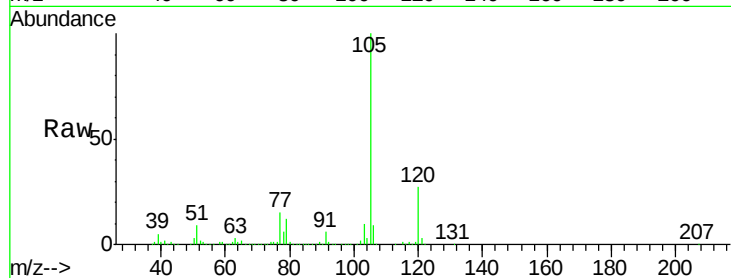
VSTDIC020

Tgt Ion: 105 Resp: 254796

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#74

N-ethyl acetate

Concen: 30.175 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 80418

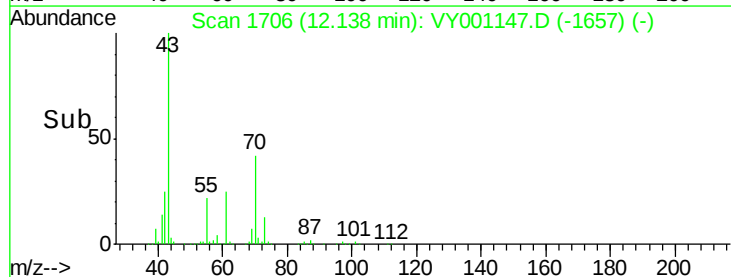
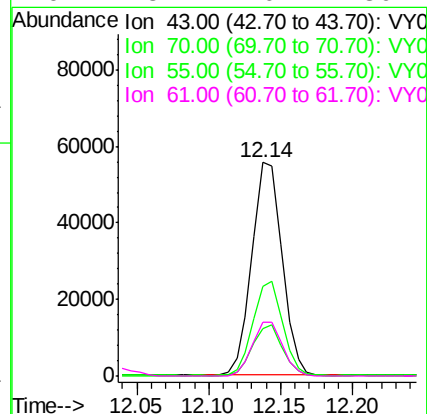
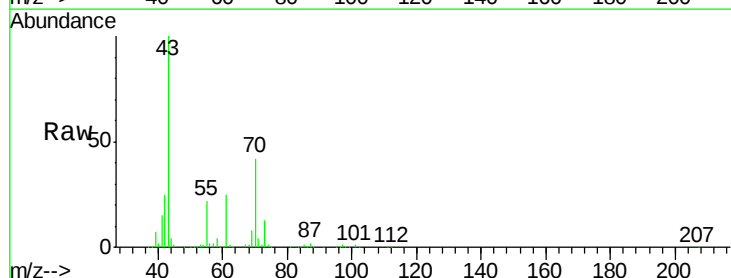
Ion Ratio Lower Upper

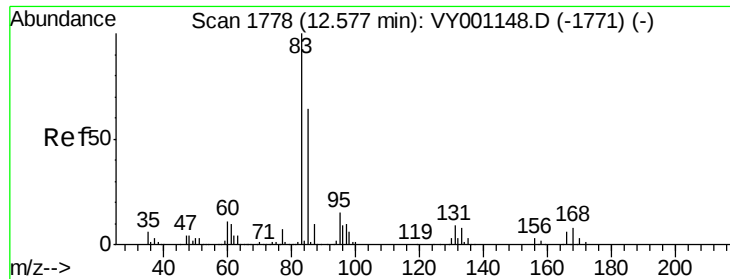
43 100

70 44.4 35.0 52.6

55 23.2 18.4 27.6

61 25.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.498 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

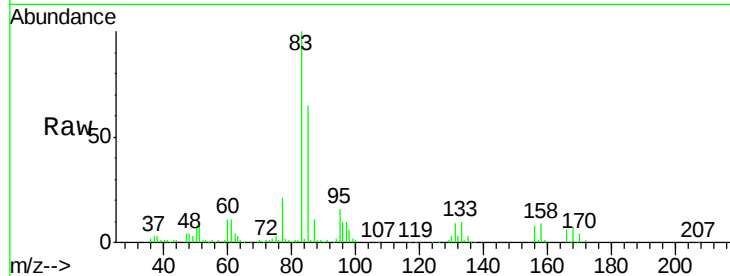
Tgt Ion: 83 Resp: 54496

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

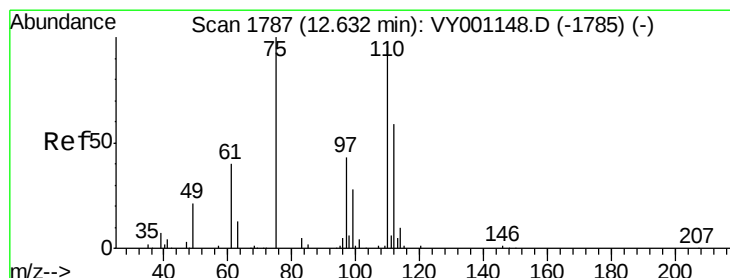
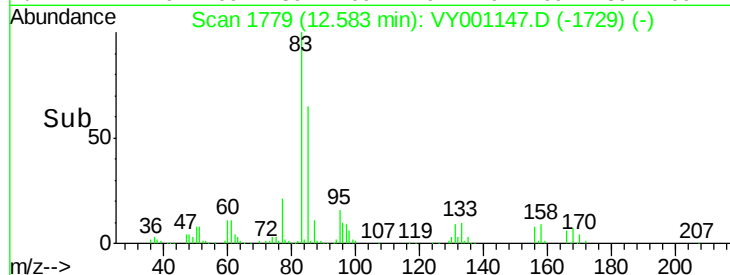
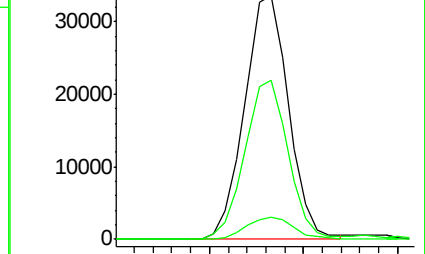
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VY001147.D (-1779) (-)

Ion 130.80 (130.50 to 131.50): VY001147.D (-1779) (-)

Ion 84.90 (84.60 to 85.60): VY001147.D (-1779) (-)



#76

1,2,3-Trichloropropane

Concen: 41.907 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001147.D

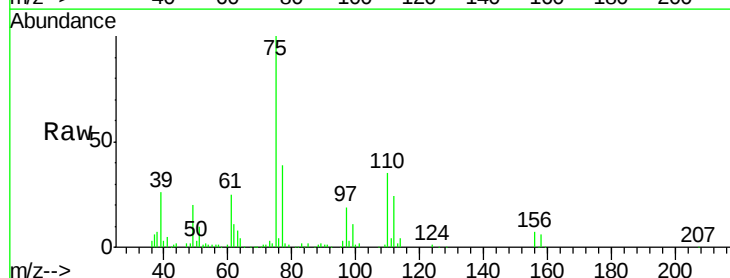
Acq: 10 Jan 2020 14:40

Tgt Ion: 75 Resp: 73009

Ion Ratio Lower Upper

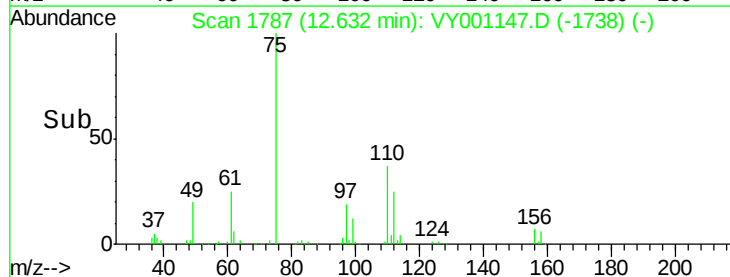
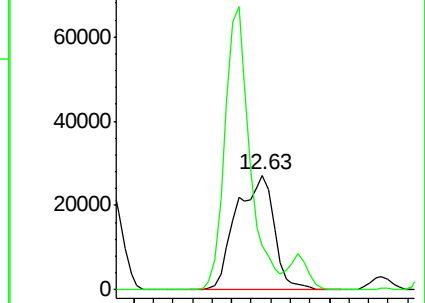
75 100

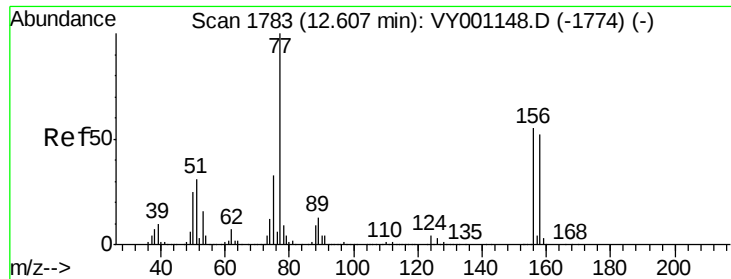
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001147.D (-1787) (-)

Ion 77.00 (76.70 to 77.70): VY001147.D (-1787) (-)





#77

Bromobenzene

Concen: 18.965 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

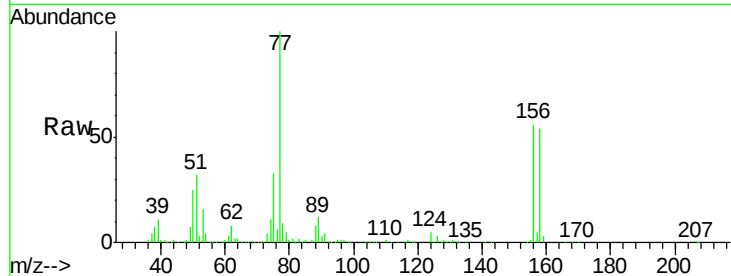
Tgt Ion:156 Resp: 57615

Ion Ratio Lower Upper

156 100

77 206.7 106.7 320.1

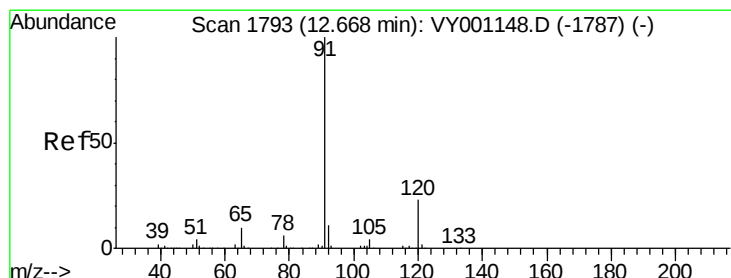
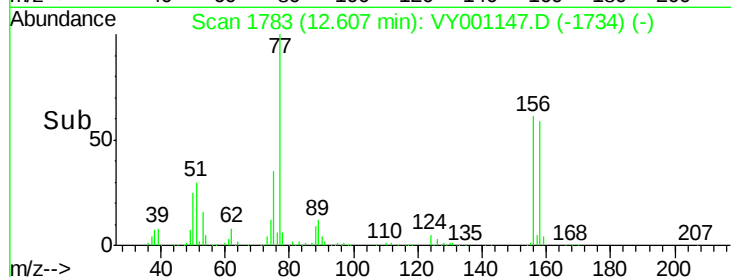
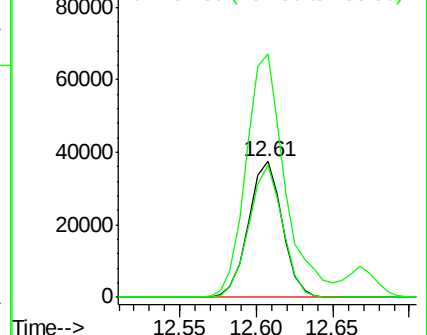
158 96.7 48.3 144.8



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: 20.659 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001147.D

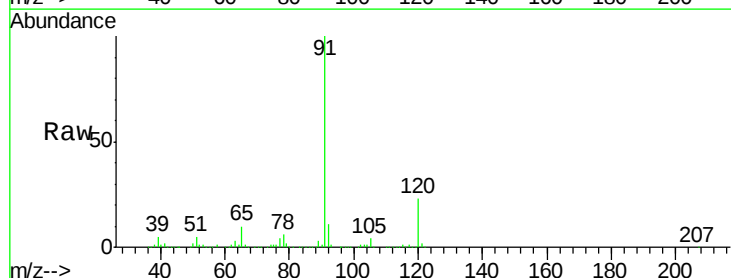
Acq: 10 Jan 2020 14:40

Tgt Ion: 91 Resp: 310794

Ion Ratio Lower Upper

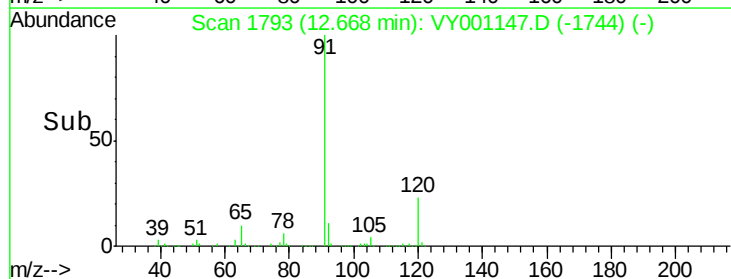
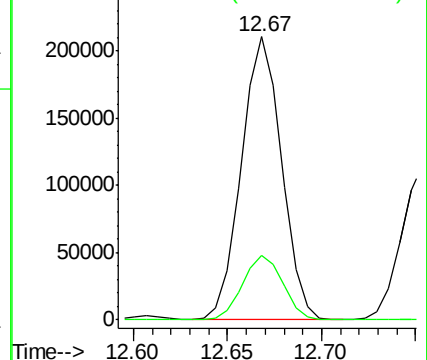
91 100

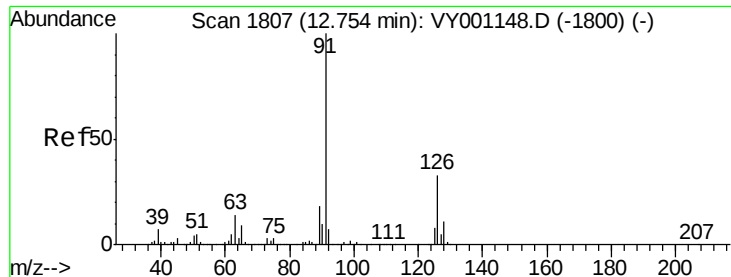
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.995 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

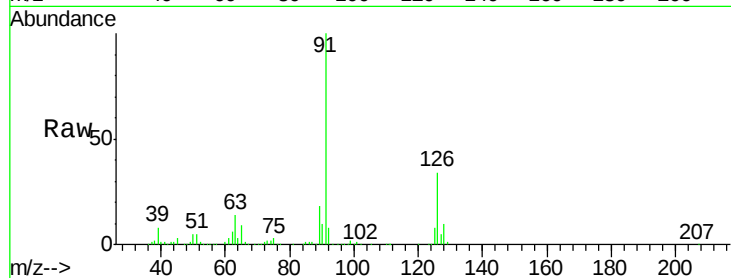
VSTDIC020

Tgt Ion: 91 Resp: 176202

Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001148.D (-1800) (-)

200000

150000

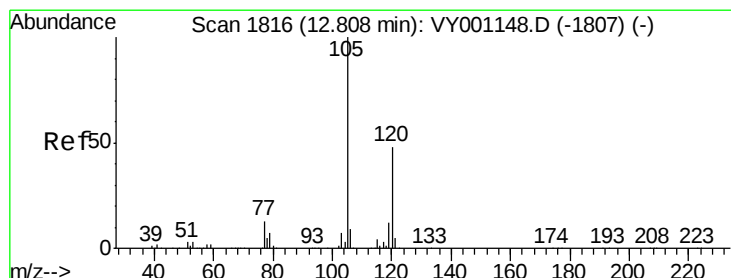
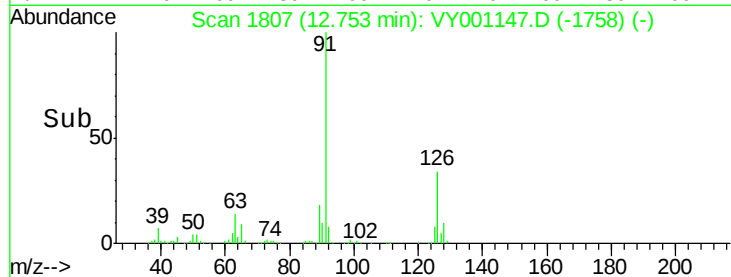
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.140 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001147.D

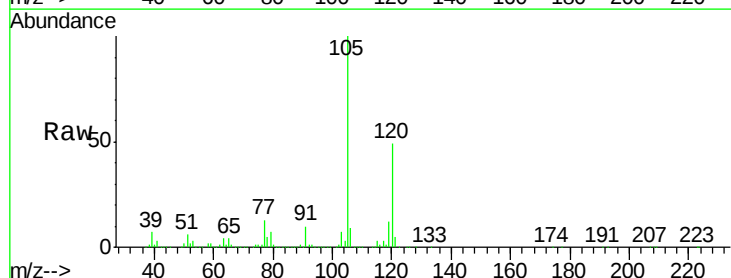
Acq: 10 Jan 2020 14:40

Tgt Ion: 105 Resp: 216612

Ion Ratio Lower Upper

105 100

120 49.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1807) (-)

150000

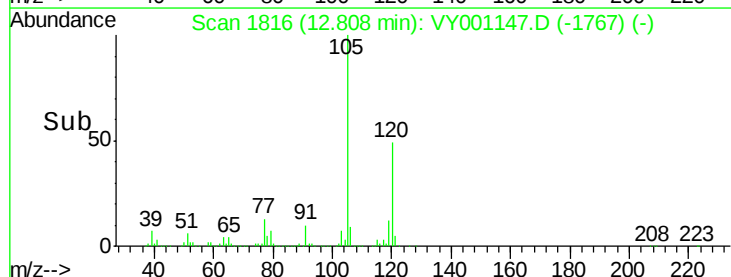
100000

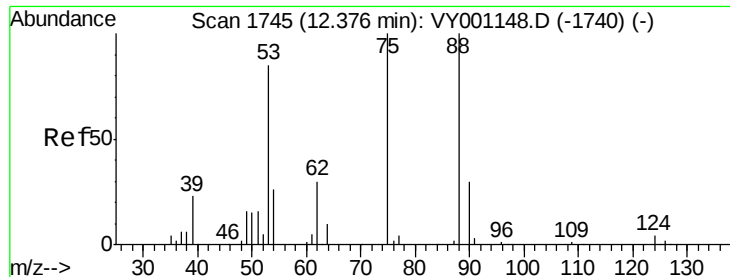
50000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 24.153 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

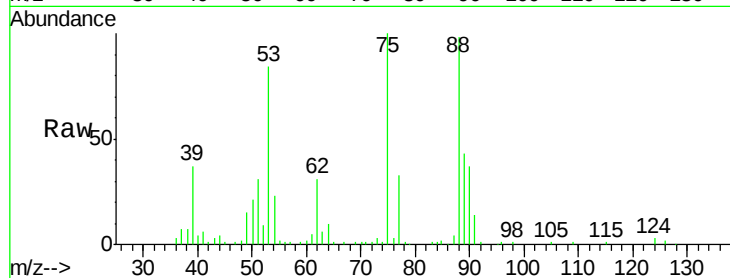
Tgt Ion: 75 Resp: 21544

Ion Ratio Lower Upper

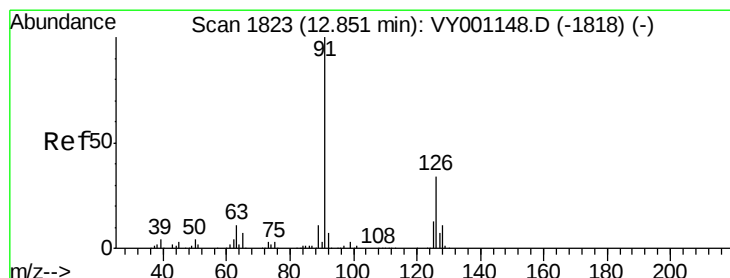
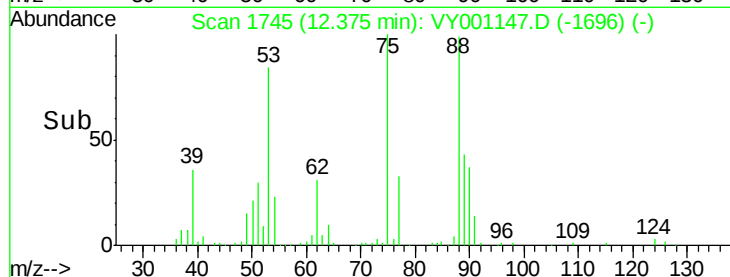
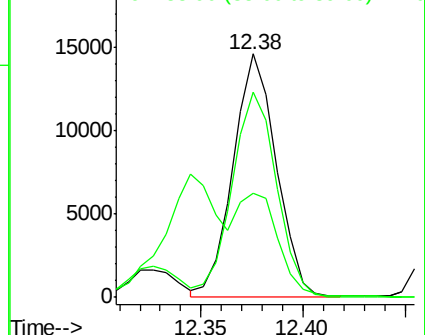
75 100

53 87.5 69.4 104.2

89 40.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 21.386 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001147.D

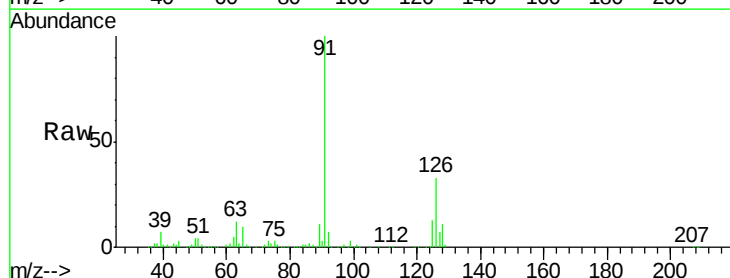
Acq: 10 Jan 2020 14:40

Tgt Ion: 91 Resp: 186165

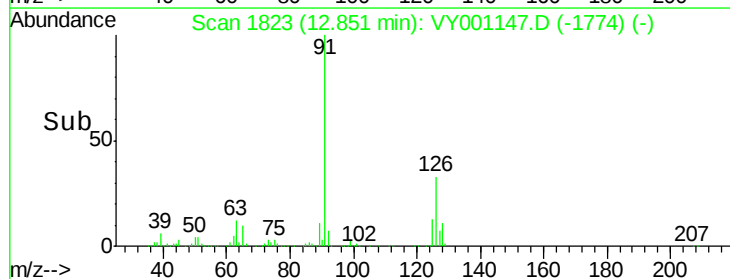
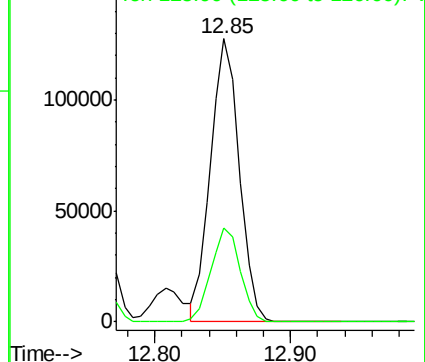
Ion Ratio Lower Upper

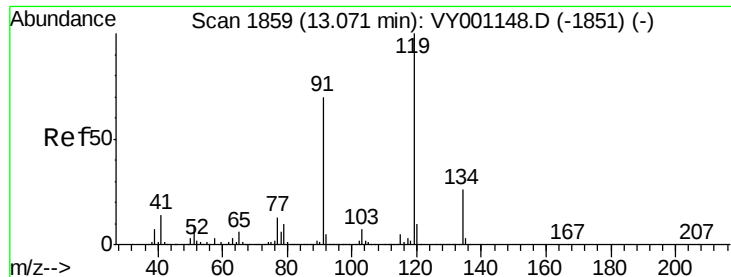
91 100

126 33.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

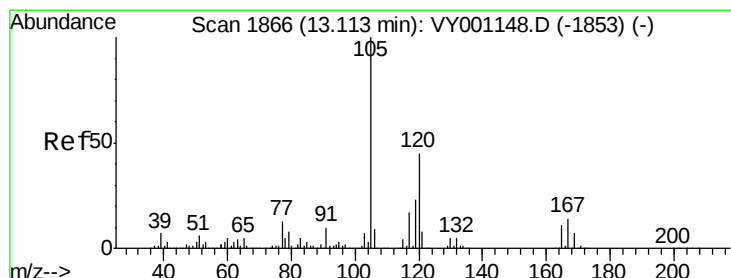
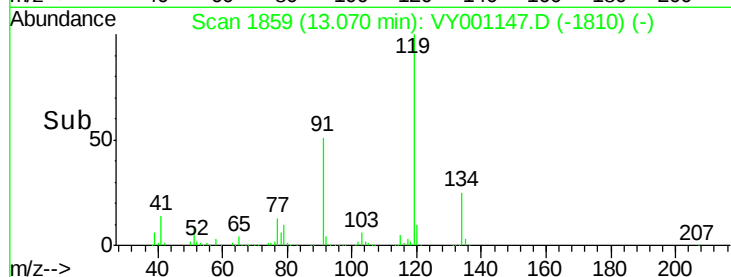
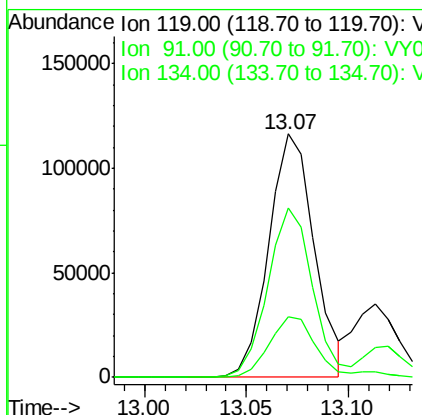
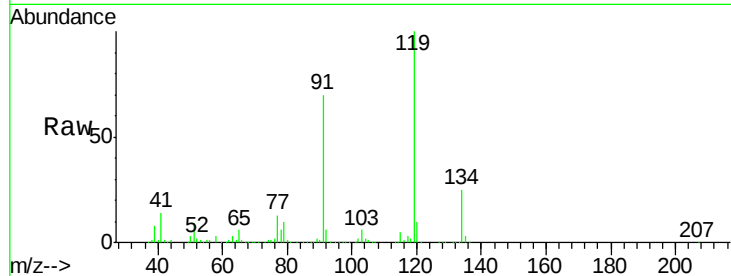




#83
 tert-Butylbenzene
 Concen: 19.912 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

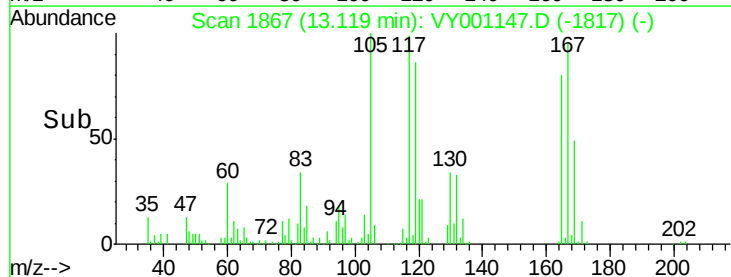
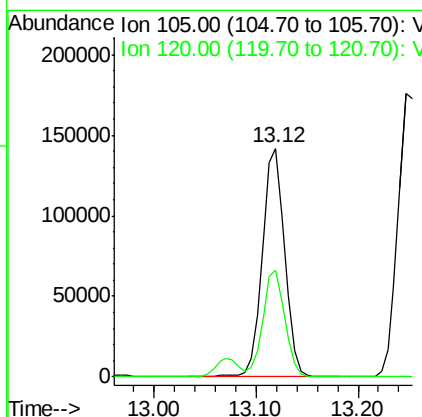
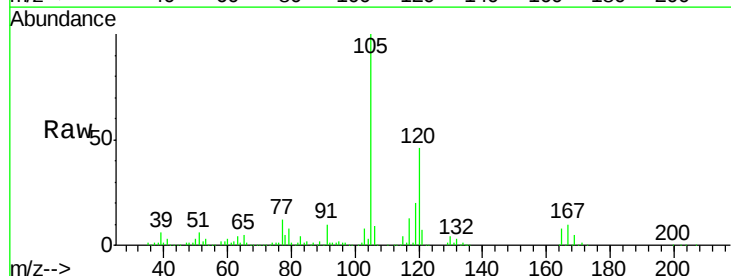
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

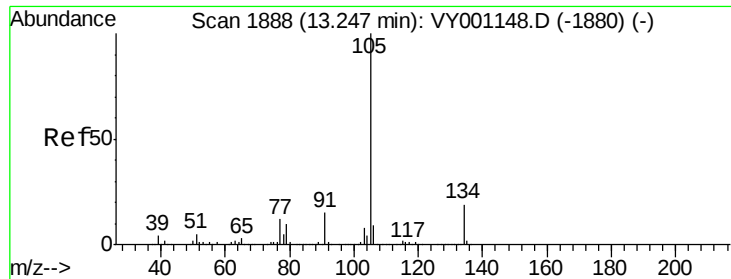
Tgt Ion:119 Resp: 181239
 Ion Ratio Lower Upper
 119 100
 91 68.7 33.9 101.7
 134 26.8 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.150 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion:105 Resp: 217015
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.3

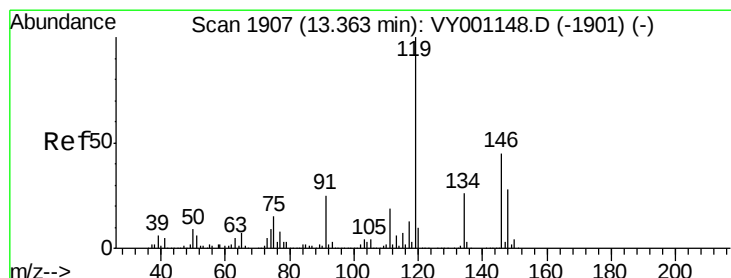
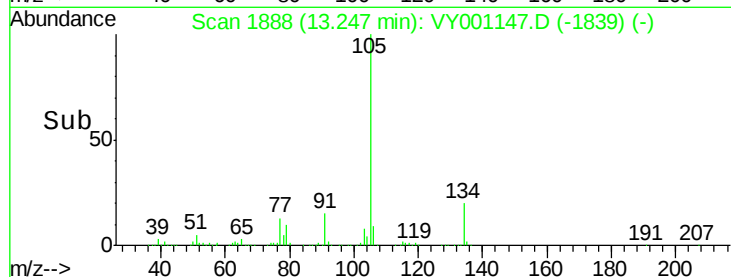
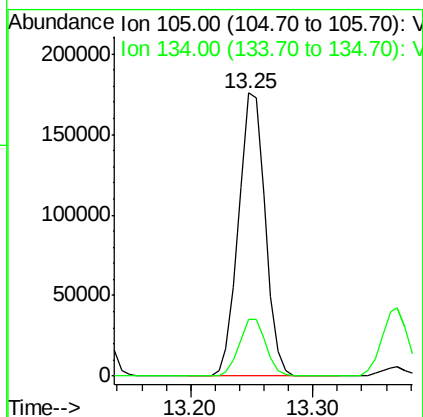
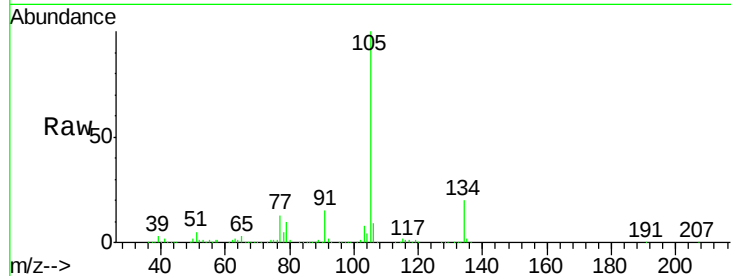




#85
 sec-Butylbenzene
 Concen: 20.642 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

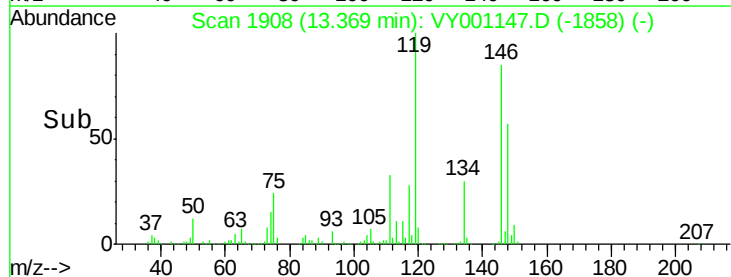
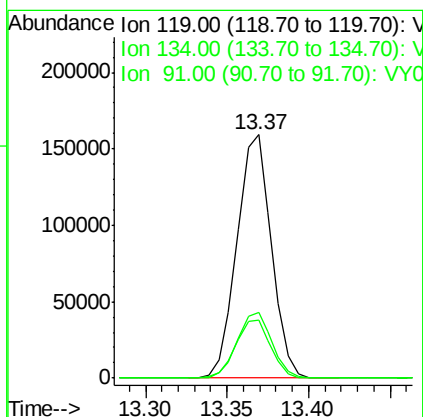
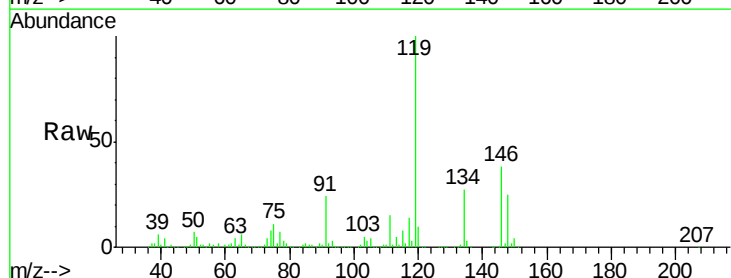
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

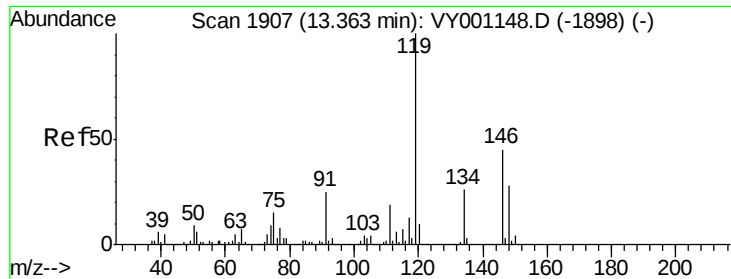
Tgt Ion:105 Resp: 264262
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.360 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion:119 Resp: 233973
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 24.6 12.4 37.2

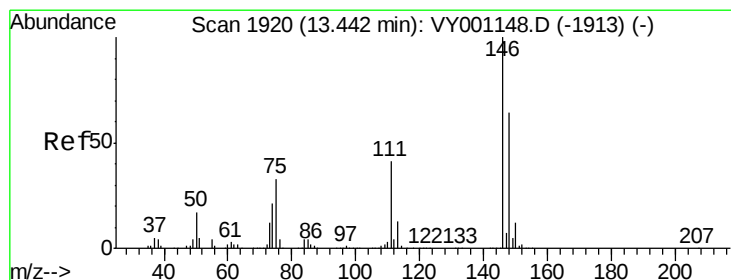
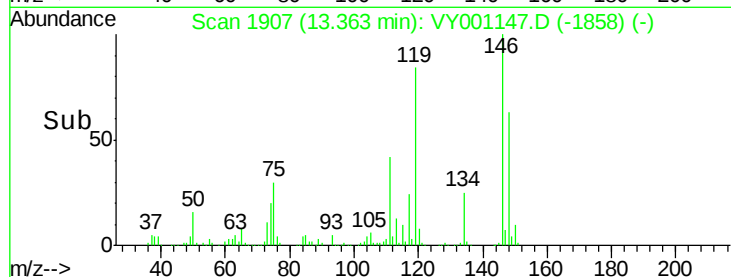
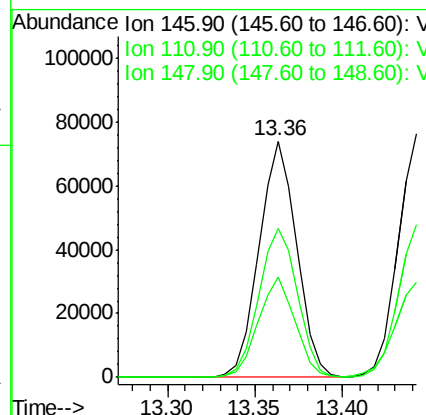
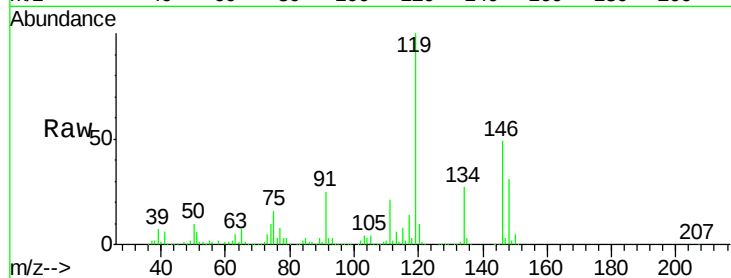




#87
 1,3-Dichlorobenzene
 Concen: 19.339 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

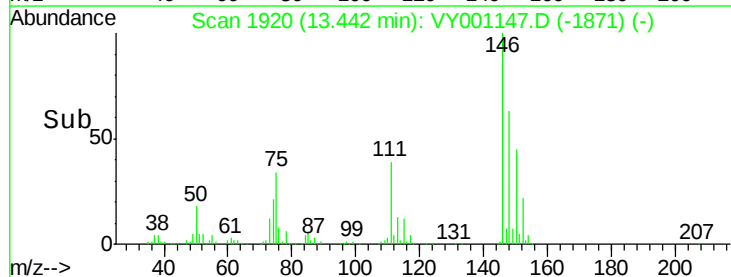
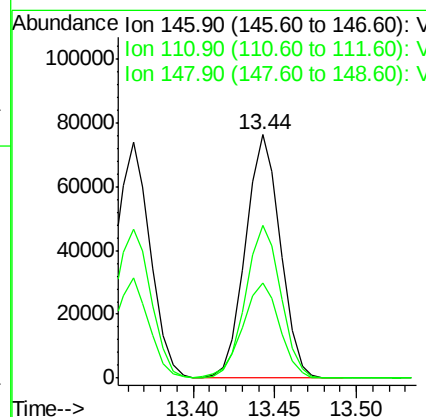
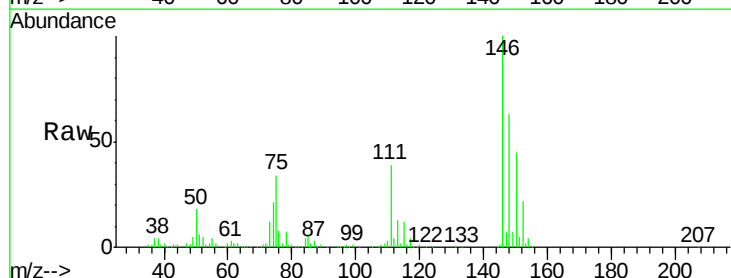
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

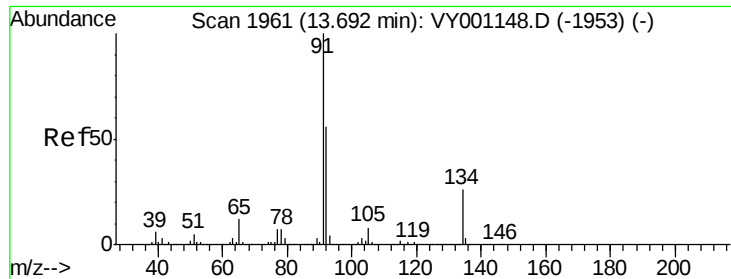
Tgt Ion:146 Resp: 110145
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.3 64.0
 148 64.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.751 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion:146 Resp: 113475
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.5
 148 63.5 32.0 96.2

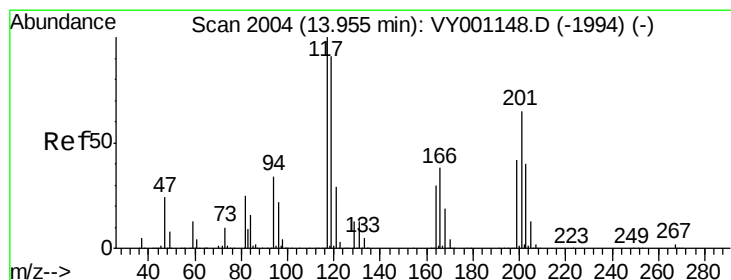
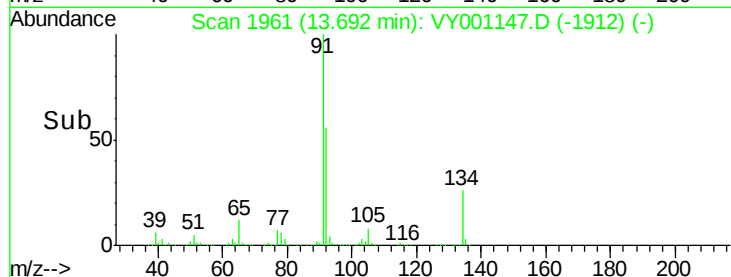
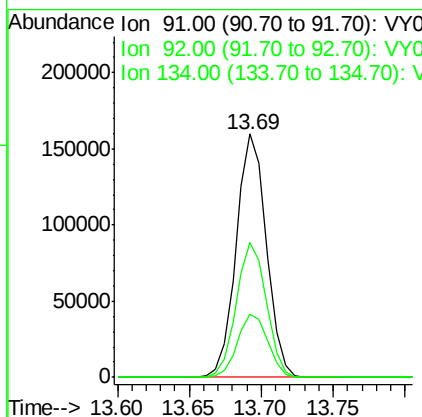
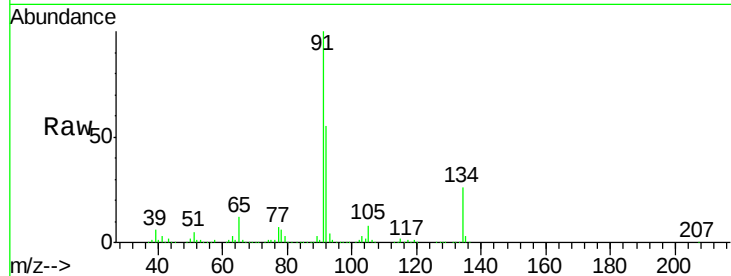




#89
n-Butylbenzene
Concen: 21.226 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

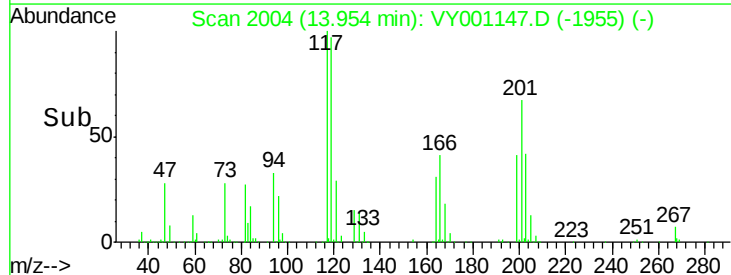
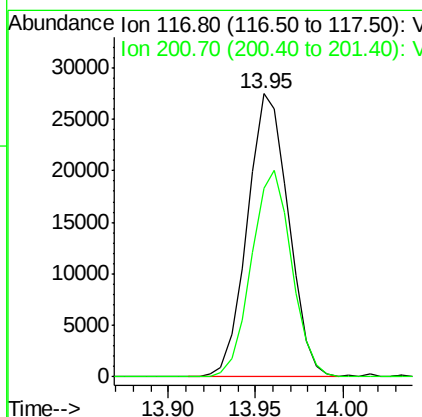
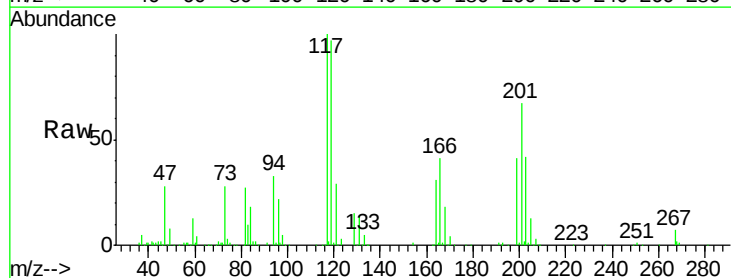
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

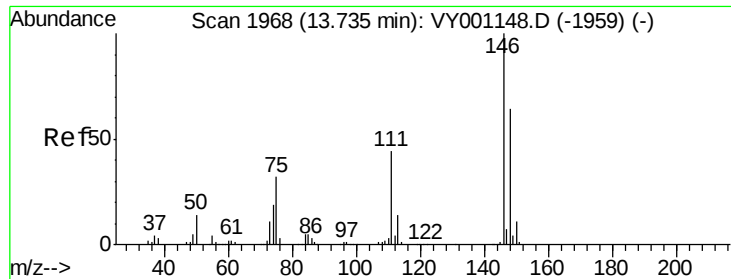
Tgt Ion: 91 Resp: 232157
Ion Ratio Lower Upper
91 100
92 55.4 27.7 83.1
134 26.2 12.9 38.6



#90
Hexachloroethane
Concen: 20.909 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 117 Resp: 44924
Ion Ratio Lower Upper
117 100
201 71.3 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 19.619 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

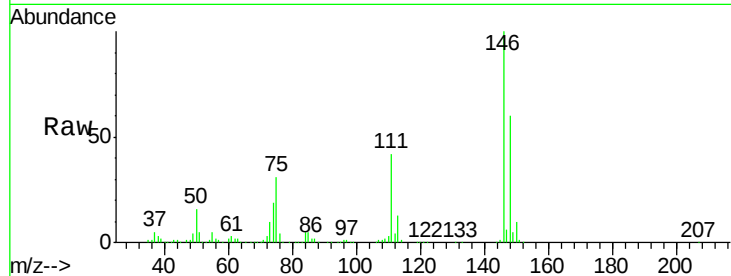
Tgt Ion:146 Resp: 102643

Ion Ratio Lower Upper

146 100

111 43.0 22.0 66.0

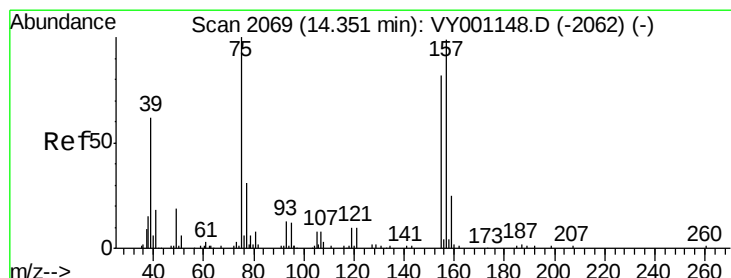
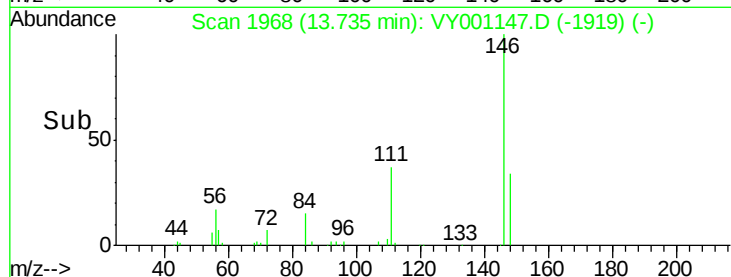
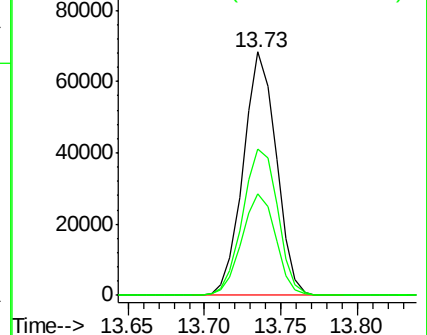
148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.678 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

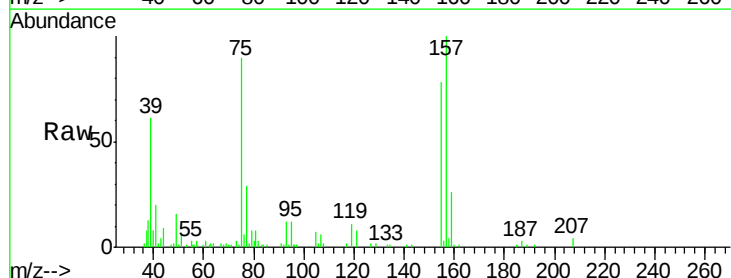
Tgt Ion: 75 Resp: 9856

Ion Ratio Lower Upper

75 100

155 85.4 41.2 123.6

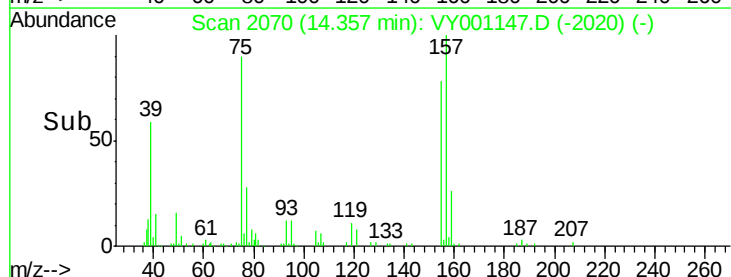
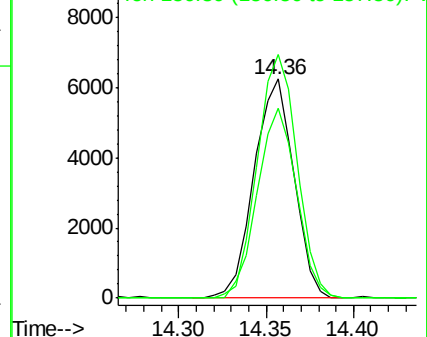
157 111.2 52.8 158.4

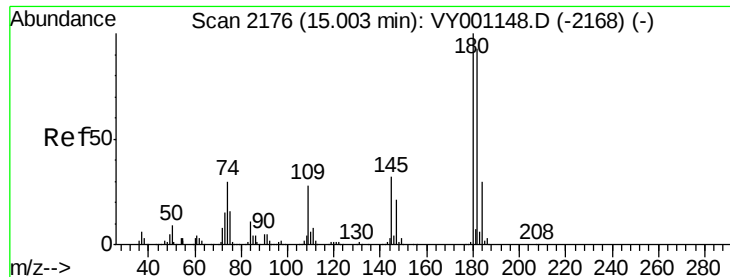


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

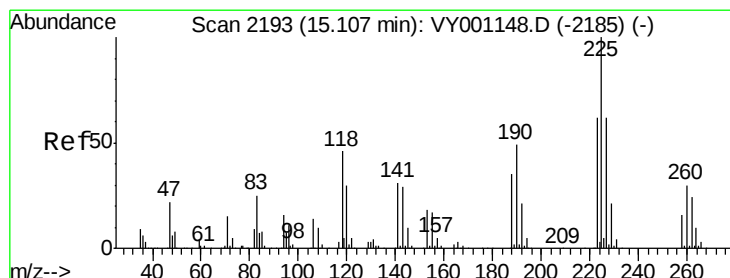
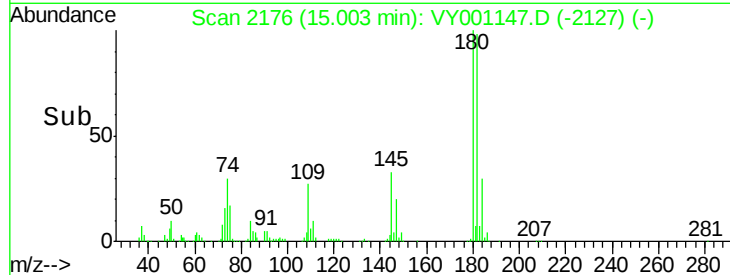
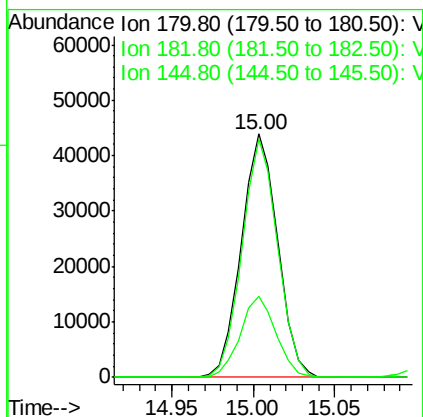
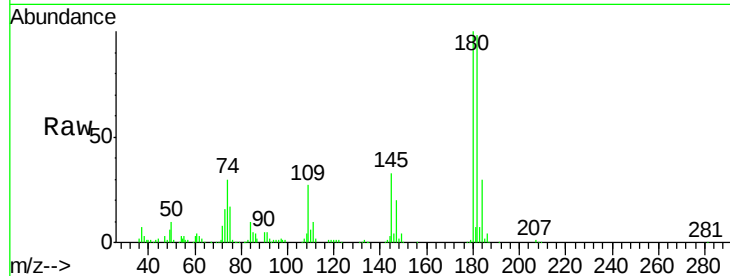




#93
 1,2,4-Trichlorobenzene
 Concen: 18.972 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

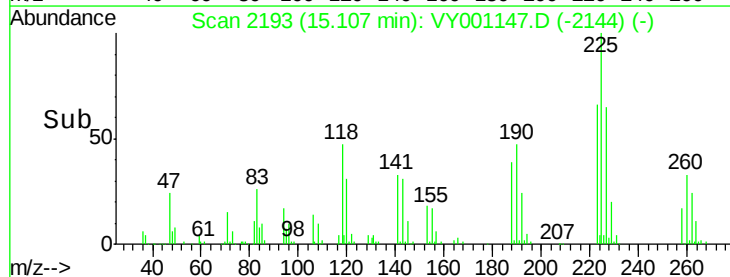
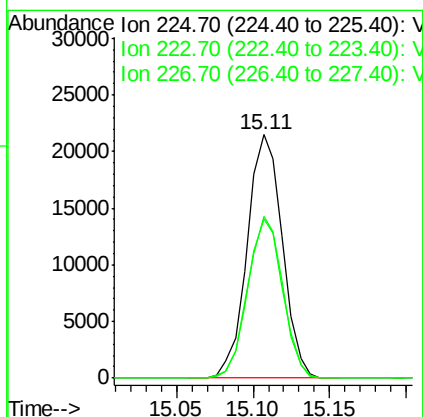
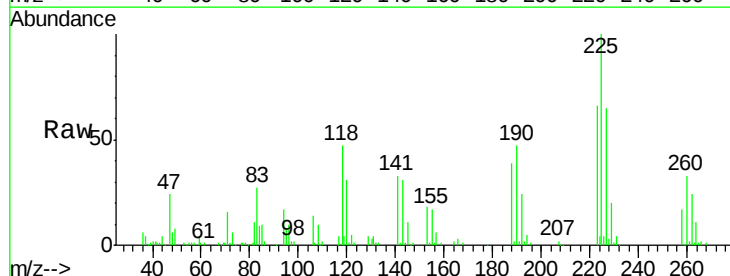
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

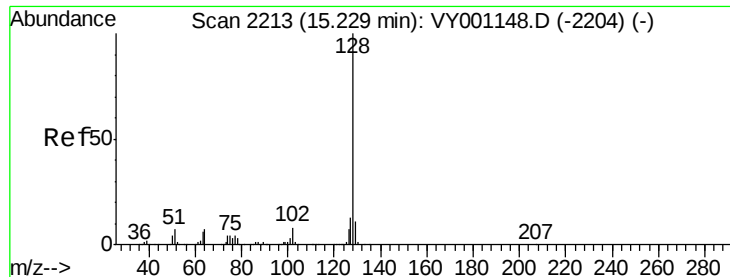
Tgt Ion:180 Resp: 67990
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.9 140.8
 145 32.7 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 18.940 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion:225 Resp: 34327
 Ion Ratio Lower Upper
 225 100
 223 66.0 31.1 93.3
 227 65.1 31.3 93.9

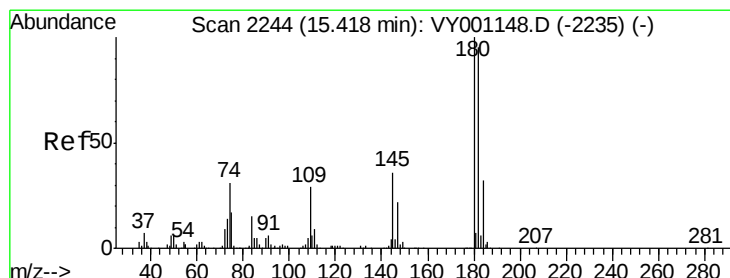
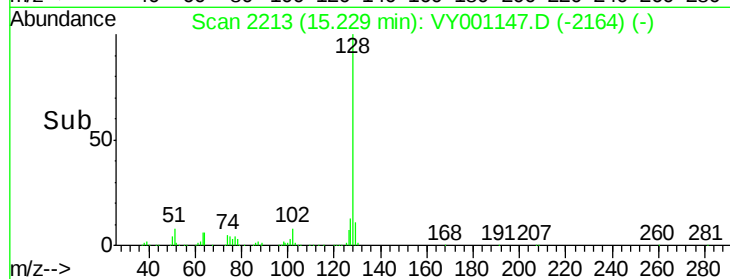
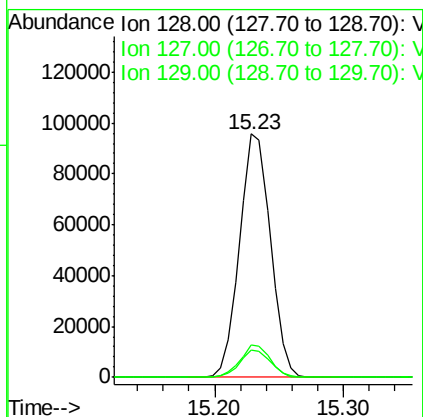
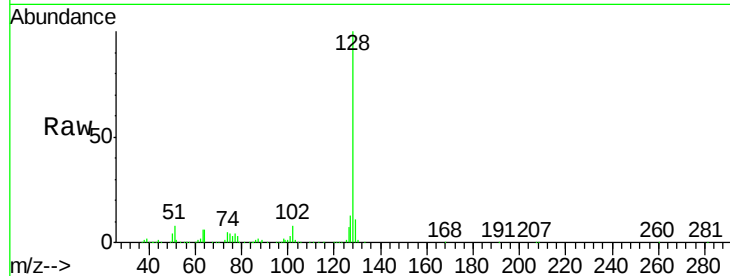




#95
Naphthalene
Concen: 19.284 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 158916
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.974 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion:180 Resp: 60621
Ion Ratio Lower Upper
180 100
182 94.9 47.5 142.5
145 34.3 17.1 51.3

