

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001021.D
 Acq On : 23 Dec 2019 11:49
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 23 12:07:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	334963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	601201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	531594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	233625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	472716	141.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.56%	
35) Dibromofluoromethane	7.72	113	483544	134.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	268.38%	
50) Toluene-d8	10.18	98	1982160	142.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.00%	
62) 4-Bromofluorobenzene	12.48	95	648408	124.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	249.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	391925	131.519	ug/l	98
3) Chloromethane	2.12	50	525813	129.323	ug/l	99
4) Vinyl Chloride	2.25	62	511548	129.593	ug/l	98
5) Bromomethane	2.63	94	271984	109.370	ug/l	97
6) Chloroethane	2.78	64	318980	129.769	ug/l	90
7) Trichlorofluoromethane	3.12	101	778487	135.339	ug/l	97
8) Diethyl Ether	3.53	74	323011	137.978	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	505769	133.592	ug/l	98
10) Methyl Iodide	4.09	142	776556	151.461	ug/l	99
11) Tert butyl alcohol	4.97	59	243863	657.547	ug/l	100
12) 1,1-Dichloroethene	3.87	96	525956	137.887	ug/l	96
13) Acrolein	3.73	56	323050	711.651	ug/l	99
14) Allyl chloride	4.48	41	794388	133.380	ug/l	99
15) Acrylonitrile	5.18	53	805634	688.343	ug/l	100
16) Acetone	3.95	43	512450	659.831	ug/l	97
17) Carbon Disulfide	4.19	76	1749705	140.845	ug/l	99
18) Methyl Acetate	4.48	43	411243	139.142	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	1356374	137.753	ug/l	97
20) Methylene Chloride	4.72	84	582556	126.672	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	581539	137.509	ug/l	96
22) Diisopropyl ether	6.13	45	1538666	126.872	ug/l	97
23) Vinyl Acetate	6.07	43	4894374	639.817	ug/l	98
24) 1,1-Dichloroethane	6.03	63	950932	133.720	ug/l	98
25) 2-Butanone	7.00	43	908218	666.716	ug/l	95
26) 2,2-Dichloropropane	6.99	77	761667	129.785	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	634669	136.433	ug/l	99
28) Bromochloromethane	7.34	49	381149	138.038	ug/l	92
29) Tetrahydrofuran	7.35	42	626991	643.684	ug/l	96
30) Chloroform	7.52	83	908793	135.407	ug/l	100
31) Cyclohexane	7.79	56	933767	123.415	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	793372	139.162	ug/l	99
36) 1,1-Dichloropropene	7.93	75	763255	130.142	ug/l	99
37) Ethyl Acetate	7.08	43	413693	126.926	ug/l	99
38) Carbon Tetrachloride	7.91	117	695622	136.328	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	1041719	134.403	ug/l	99
40) Benzene	8.17	78	2330856	132.018	ug/l	98
41) Methacrylonitrile	7.35	41	544322	392.621	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	561642	133.237	ug/l	100
43) Isopropyl Acetate	8.28	43	797518	133.113	ug/l	99
44) Trichloroethene	8.94	130	607744	130.405	ug/l	98
45) 1,2-Dichloropropane	9.22	63	579861	130.725	ug/l	99
46) Dibromomethane	9.31	93	305864	134.310	ug/l	99
47) Bromodichloromethane	9.50	83	715654	135.914	ug/l	100
48) Methyl methacrylate	9.30	41	346582	136.002	ug/l	98
49) 1,4-Dioxane	9.30	88	91849	2770.249	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	2012517	640.870	ug/l	99
52) Toluene	10.24	92	1411076	129.476	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	793719	139.448	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	924206	134.245	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	452000	132.710	ug/l	95
56) Ethyl methacrylate	10.51	69	667190	138.549	ug/l	98
57) 1,3-Dichloropropane	10.79	76	790129	132.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1181299	625.514	ug/l	100
59) 2-Hexanone	10.83	43	1415589	653.322	ug/l	99
60) Dibromochloromethane	10.99	129	508154	140.985	ug/l	99
61) 1,2-Dibromoethane	11.09	107	445443	137.511	ug/l	100
64) Tetrachloroethene	10.72	164	585924	123.659	ug/l	98
65) Chlorobenzene	11.51	112	1483415	131.807	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	500448	135.276	ug/l	100
67) Ethyl Benzene	11.59	91	2662672	131.488	ug/l	99
68) m/p-Xylenes	11.70	106	2017199	262.241	ug/l	100
69) o-Xylene	12.02	106	945012	130.496	ug/l	100
70) Styrene	12.04	104	1644632	134.113	ug/l	100
71) Bromoform	12.20	173	298504	146.798	ug/l #	100
73) Isopropylbenzene	12.33	105	2498816	136.079	ug/l	99
74) N-amyl acetate	12.14	43	662550	137.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	506771	140.841	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	690054	228.183	ug/l #	100
77) Bromobenzene	12.61	156	553850	133.755	ug/l	98
78) n-propylbenzene	12.67	91	3040997	135.877	ug/l	100
79) 2-Chlorotoluene	12.75	91	1645942	132.693	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2028844	134.557	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	205428	152.554	ug/l	98
82) 4-Chlorotoluene	12.85	91	1721989	133.827	ug/l	100
83) tert-Butylbenzene	13.07	119	1706200	134.848	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	2006508	132.054	ug/l	100
85) sec-Butylbenzene	13.25	105	2494706	133.545	ug/l	100
86) p-Isopropyltoluene	13.36	119	2109480	129.977	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	1029949	128.780	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	1047696	130.046	ug/l	100
89) n-Butylbenzene	13.69	91	2139775	131.230	ug/l	99
90) Hexachloroethane	13.95	117	422345	139.641	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	965125	131.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	82685	136.714	ug/l	98

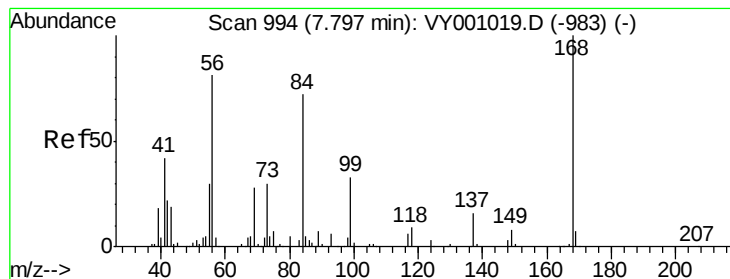
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	651191	131.118	ug/l	99
94) Hexachlorobutadiene	15.11	225	308652	130.507	ug/l	98
95) Naphthalene	15.23	128	1608747	138.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	591874	134.084	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

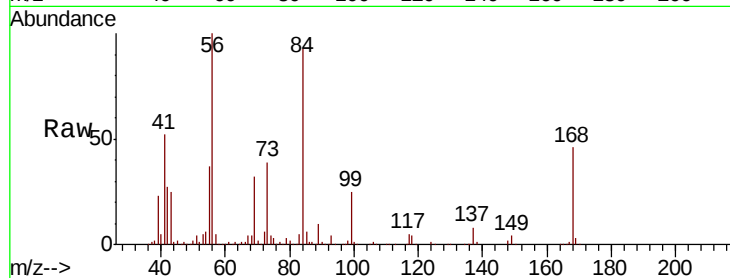
VSTDIC150

Tot Ion:168 Resp: 334963

Ion Ratio Lower Upper

168 100

99 55.0 44.0 66.0



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

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

200000

150000

100000

50000

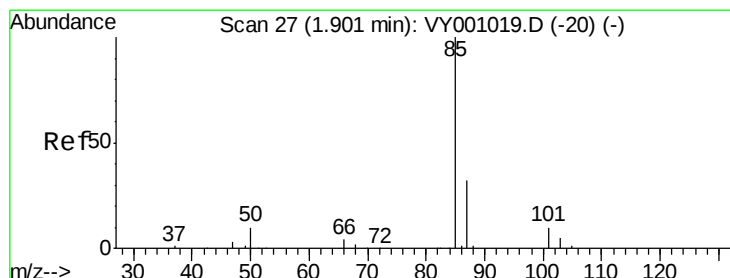
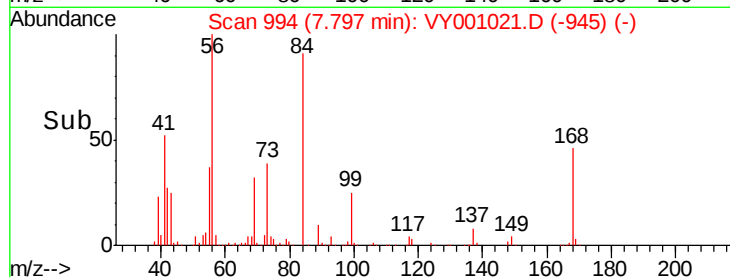
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 131.519 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001021.D

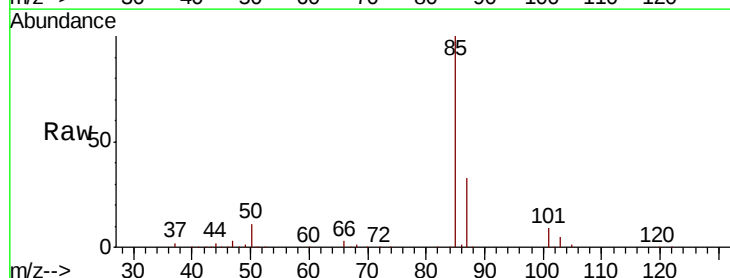
Acq: 23 Dec 2019 11:49

Tgt Ion: 85 Resp: 391925

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



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

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

250000

200000

150000

100000

50000

0

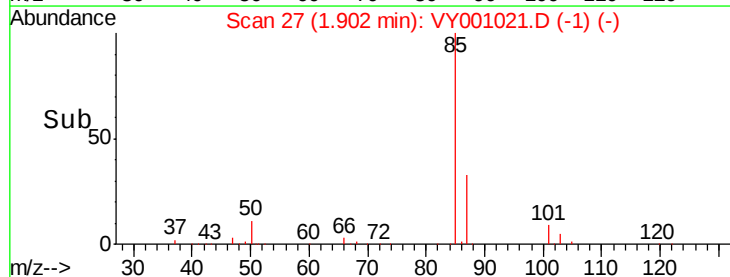
1.80

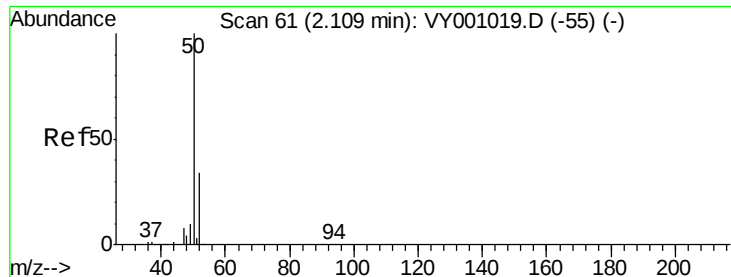
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 129.323 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

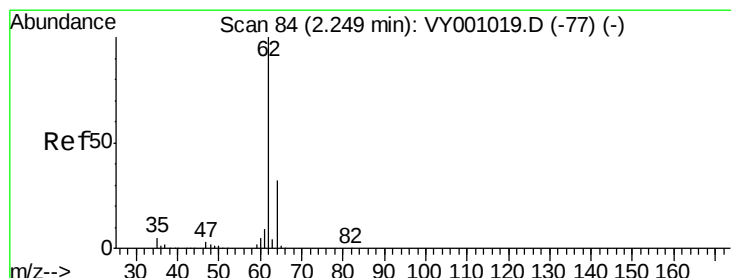
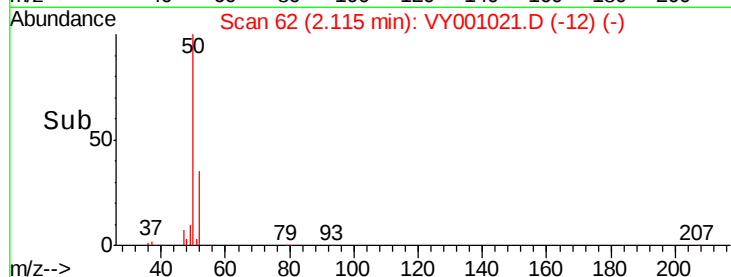
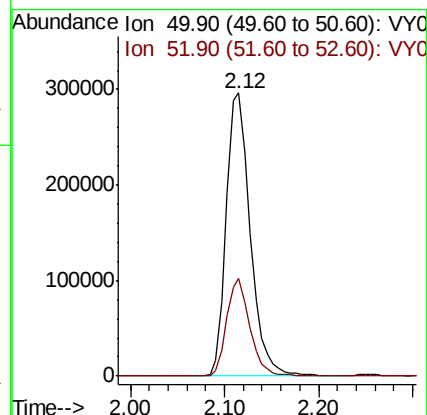
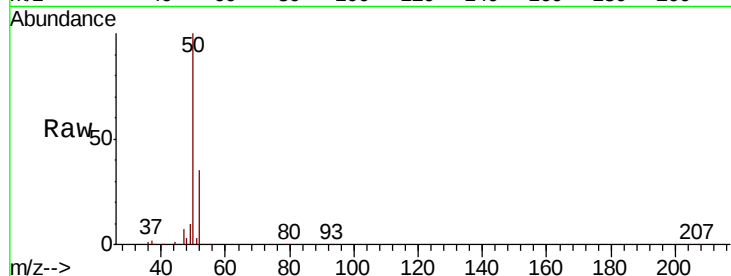
VSTDIC150

Tot Ion: 50 Resp: 525813

Ion Ratio Lower Upper

50 100

52 34.6 27.1 40.7



#4

Vinyl Chloride

Concen: 129.593 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001021.D

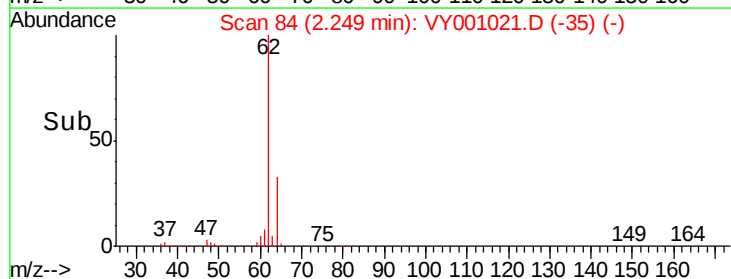
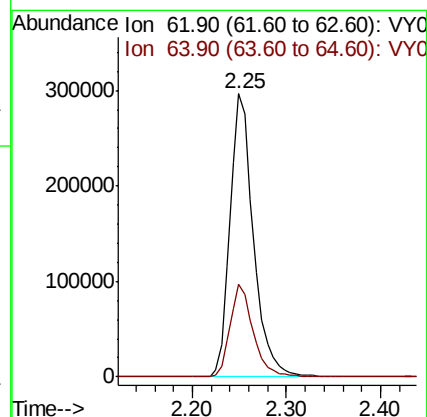
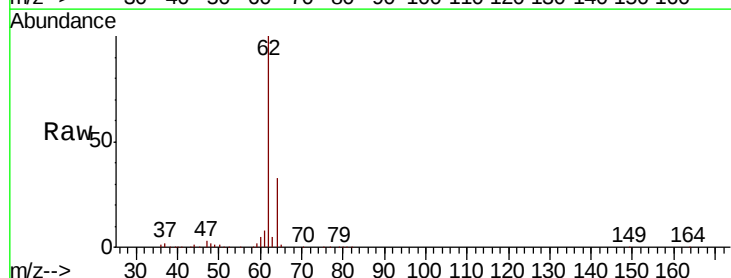
Acq: 23 Dec 2019 11:49

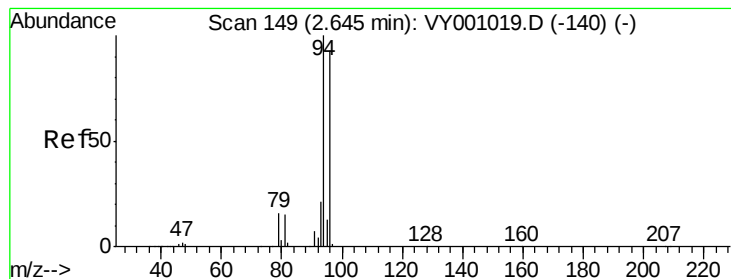
Tgt Ion: 62 Resp: 511548

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4





#5

Bromomethane

Concen: 109.370 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.02 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

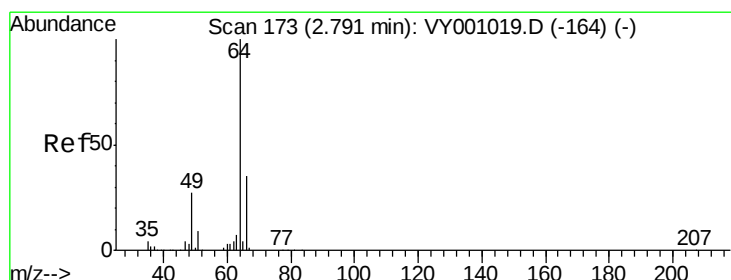
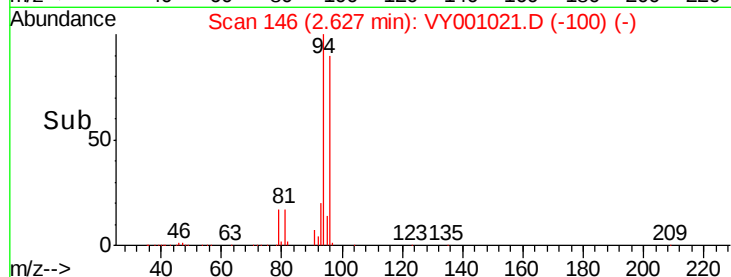
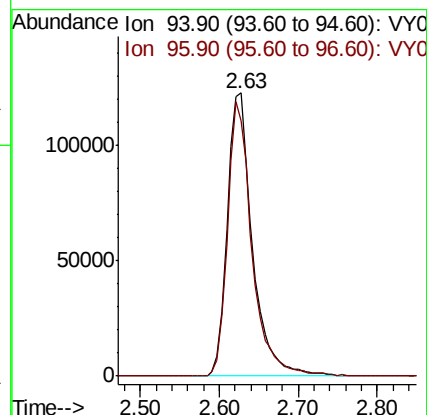
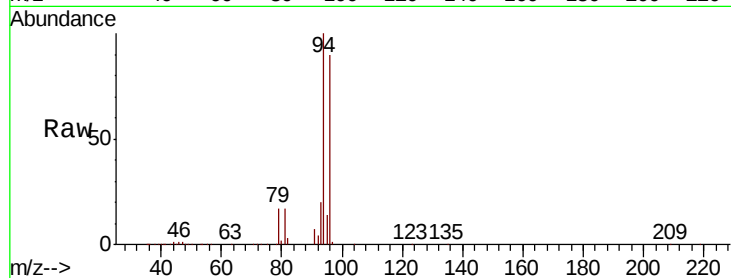
VSTDIC150

Tot Ion: 94 Resp: 271984

Ion Ratio Lower Upper

94 100

96 90.3 74.2 111.4



#6

Chloroethane

Concen: 129.769 ug/l

RT: 2.78 min Scan# 171

Delta R.T. -0.01 min

Lab File: VY001021.D

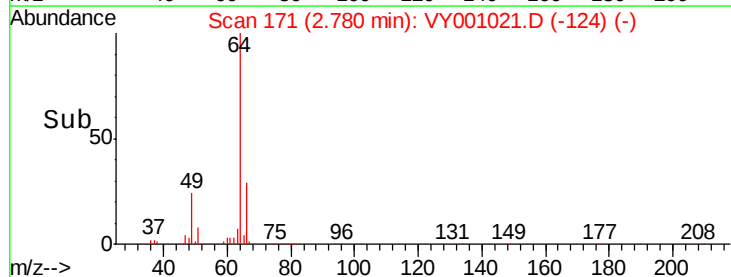
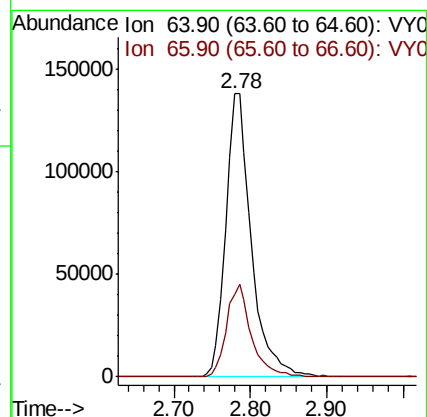
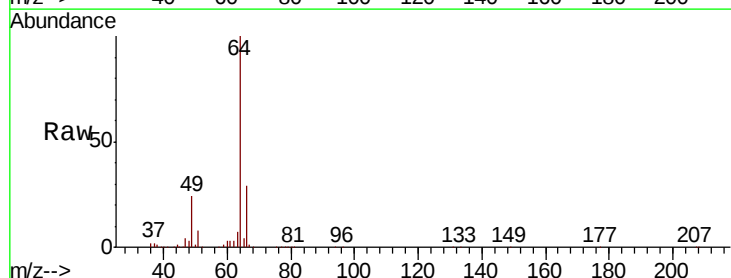
Acq: 23 Dec 2019 11:49

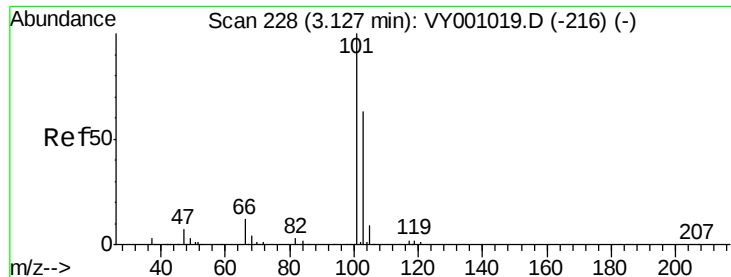
Tgt Ion: 64 Resp: 318980

Ion Ratio Lower Upper

64 100

66 29.0 27.8 41.6



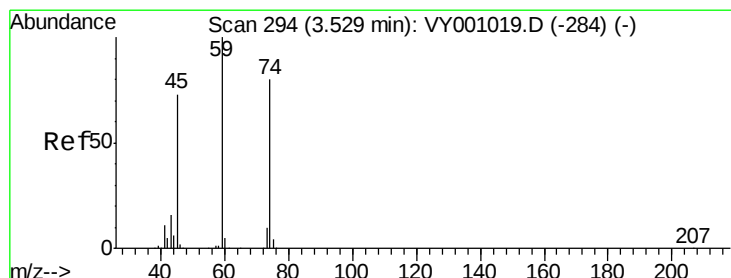
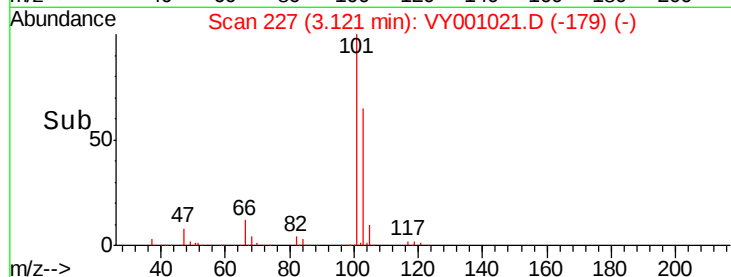
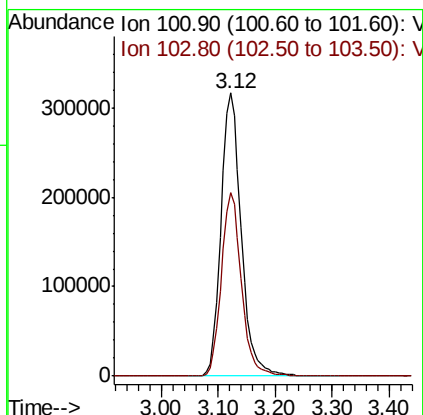
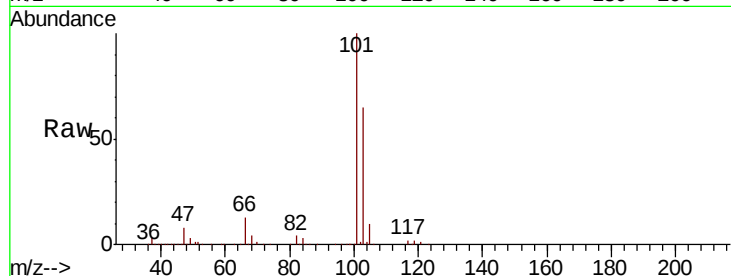


#7

Trichlorofluoromethane
Concen: 135.339 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
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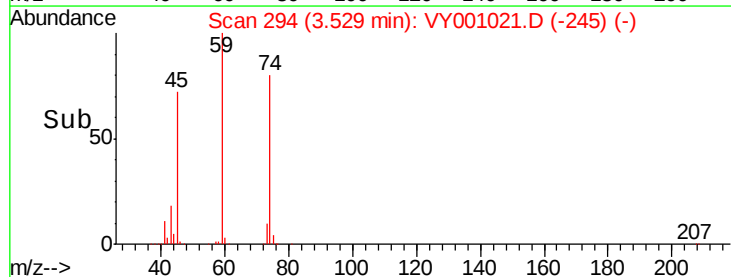
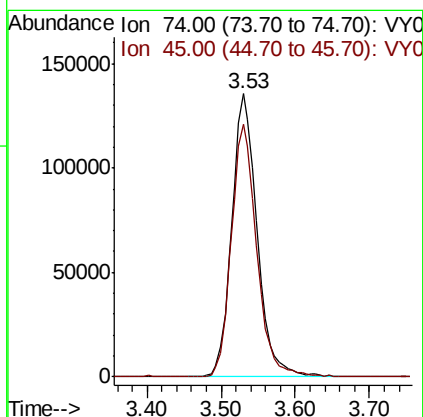
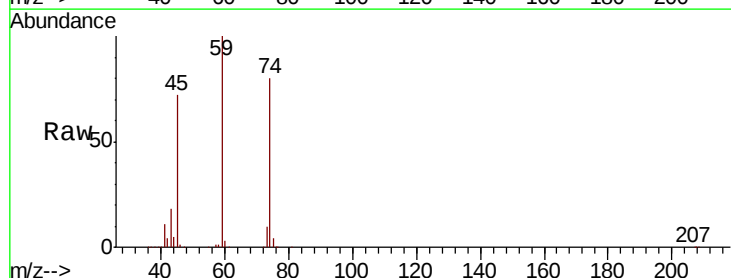
Tot Ion:101 Resp: 778487
Ion Ratio Lower Upper
101 100
103 64.7 50.2 75.2

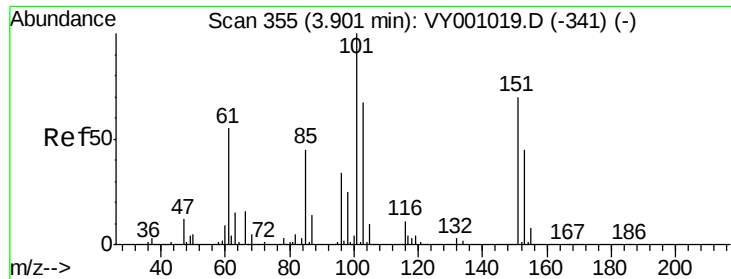


#8

Diethyl Ether
Concen: 137.978 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 74 Resp: 323011
Ion Ratio Lower Upper
74 100
45 89.7 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.592 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

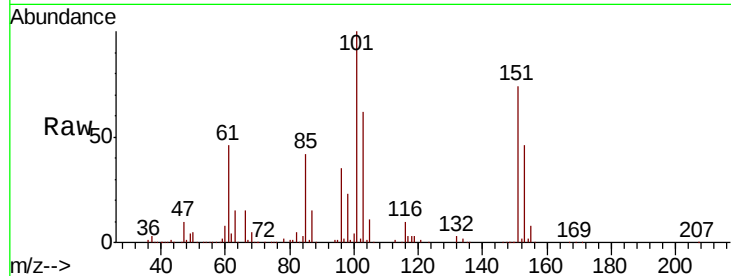
Tot Ion:101 Resp: 505769

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.2

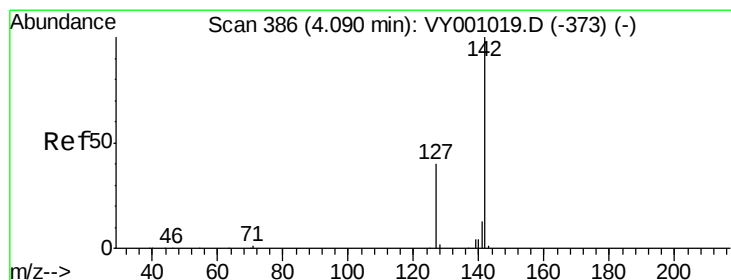
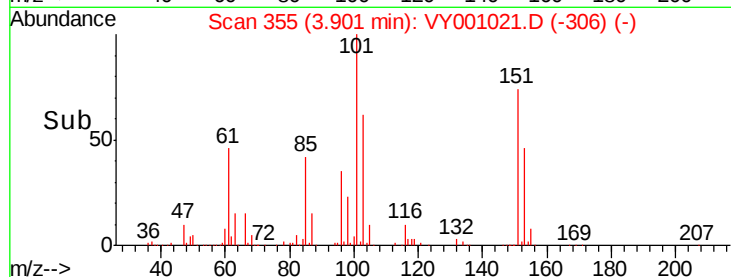
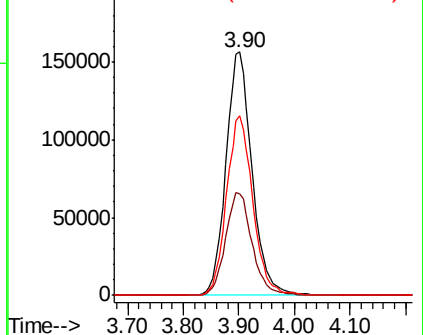
151 74.3 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 151.461 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

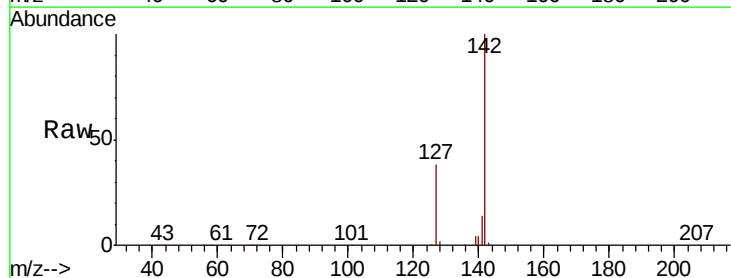
Tgt Ion:142 Resp: 776556

Ion Ratio Lower Upper

142 100

127 39.4 31.2 46.8

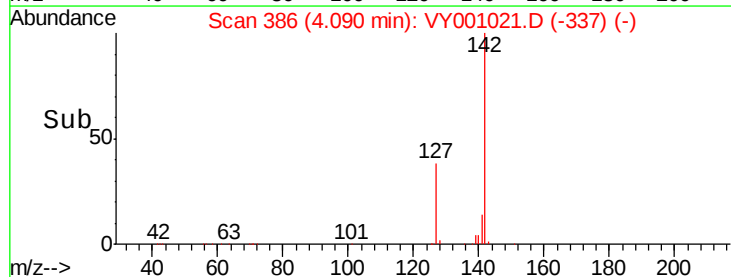
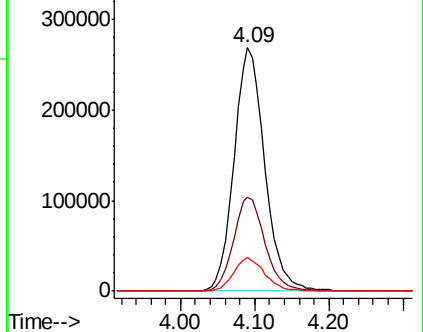
141 13.9 11.0 16.4

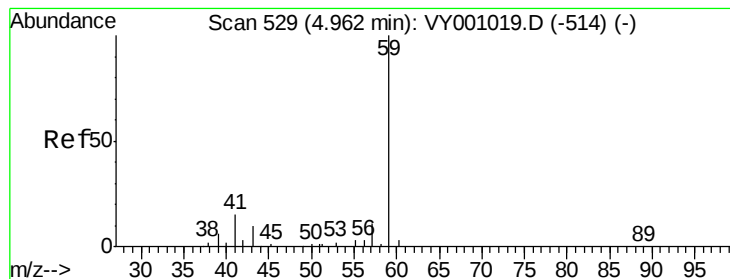


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



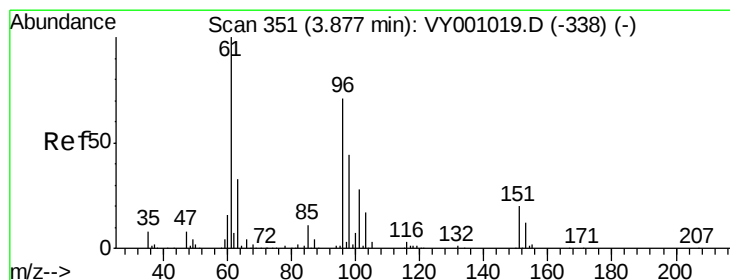
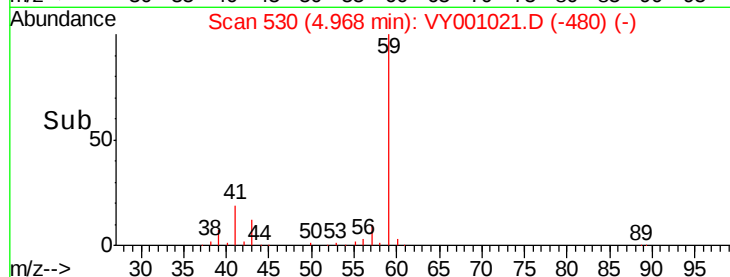
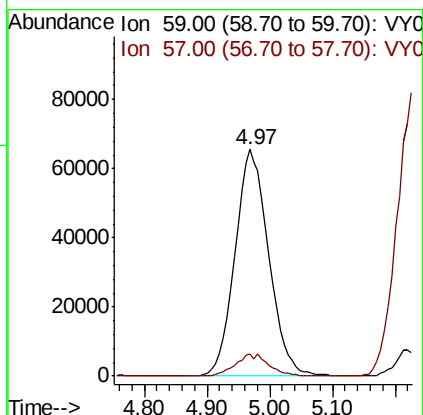
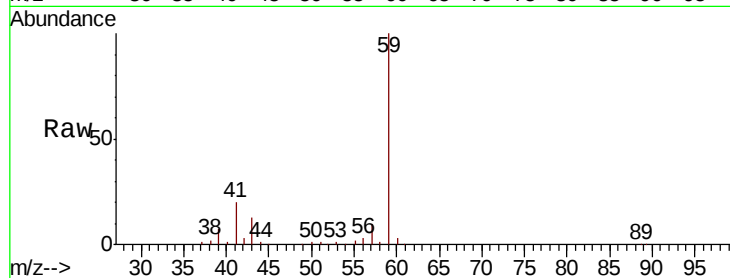


#11

Tert butyl alcohol
 Concen: 657.547 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

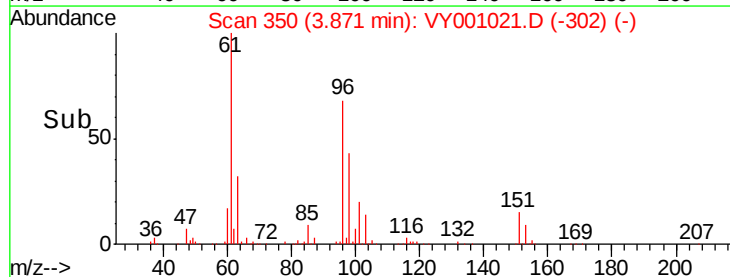
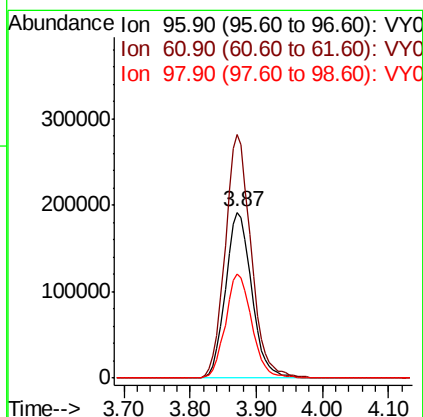
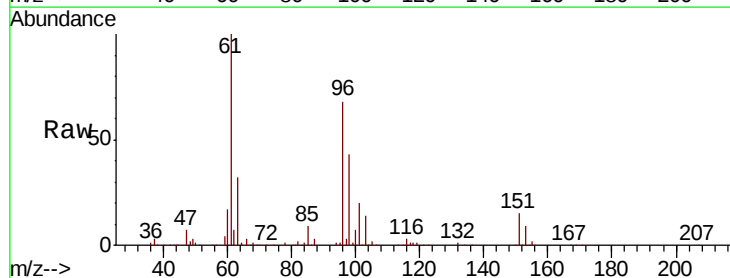
Tot Ion: 59 Resp: 243863
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

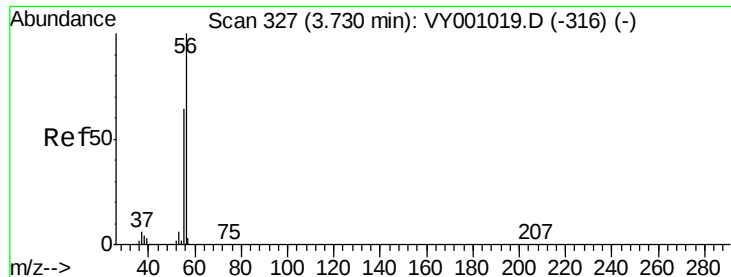


#12

1,1-Dichloroethene
 Concen: 137.887 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 96 Resp: 525956
 Ion Ratio Lower Upper
 96 100
 61 147.1 113.0 169.4
 98 62.9 49.8 74.8





#13

Acrolein

Concen: 711.651 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

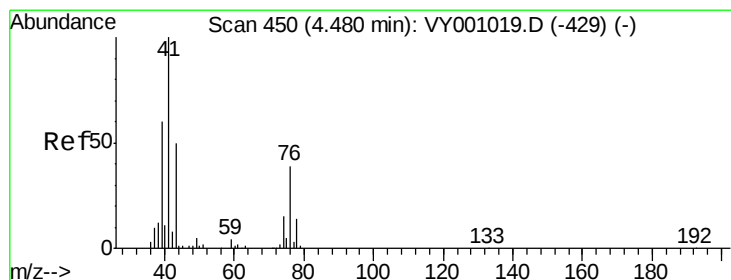
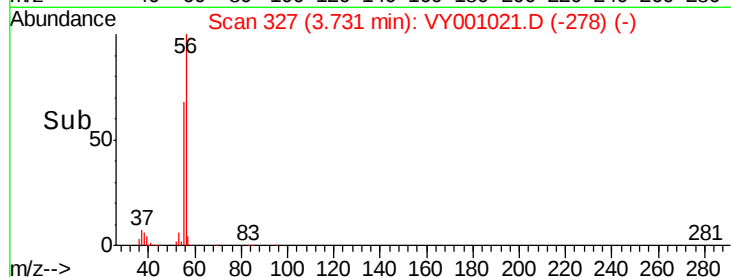
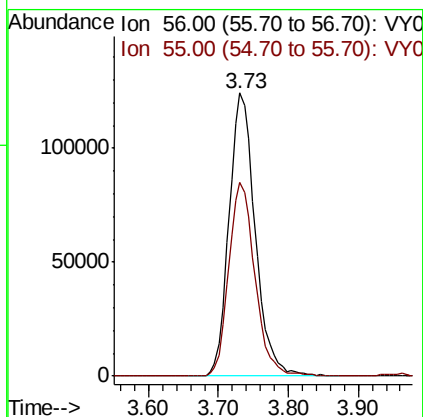
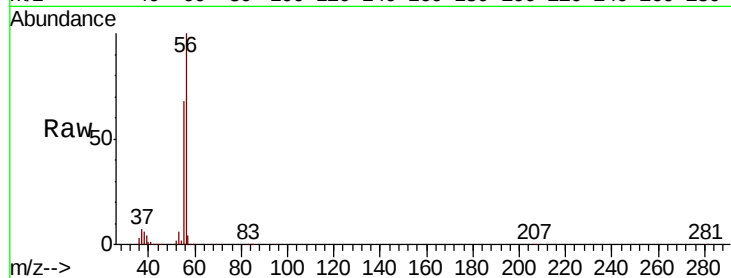
VSTDIC150

Tot Ion: 56 Resp: 323050

Ion Ratio Lower Upper

56 100

55 68.6 55.6 83.4



#14

Allyl chloride

Concen: 133.380 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

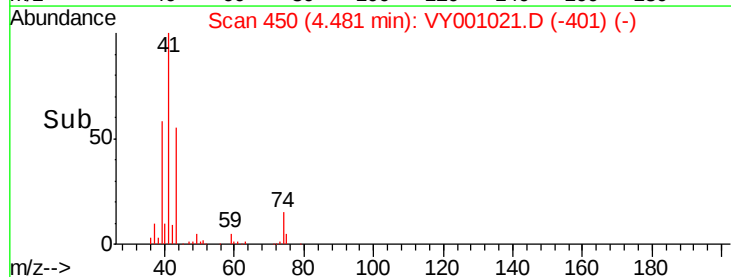
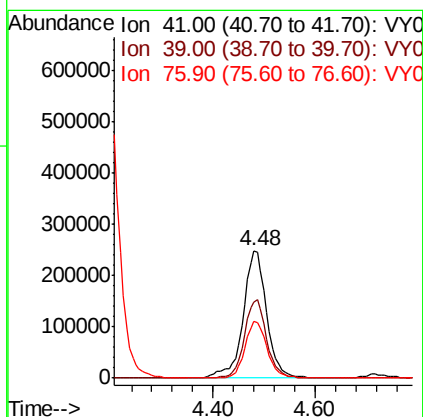
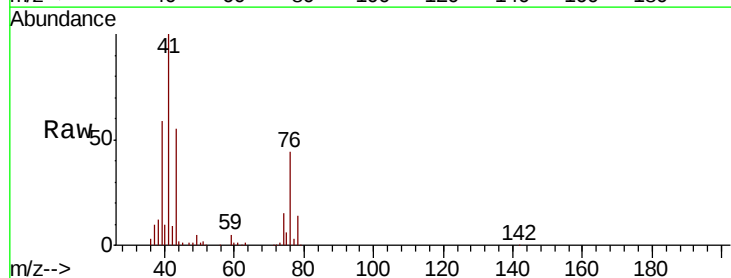
Tgt Ion: 41 Resp: 794388

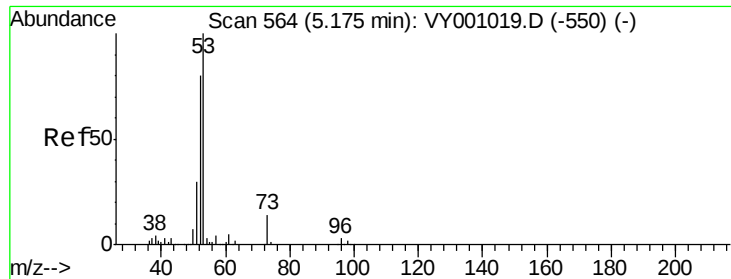
Ion Ratio Lower Upper

41 100

39 58.2 46.0 69.0

76 41.8 32.6 48.8





#15

Acrylonitrile

Concen: 688.343 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

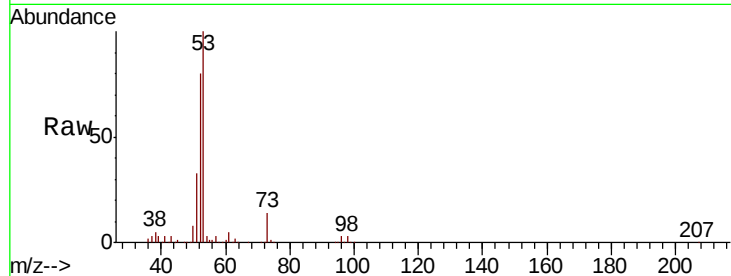
Tot Ion: 53 Resp: 805634

Ion Ratio Lower Upper

53 100

52 79.8 63.6 95.4

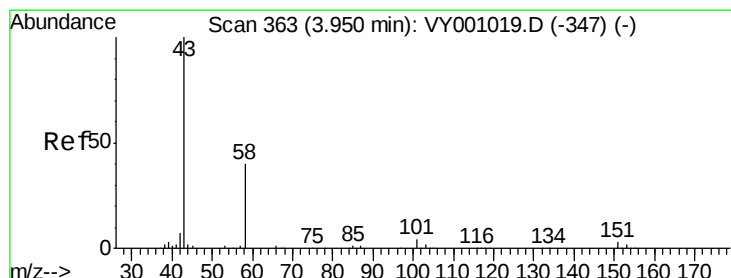
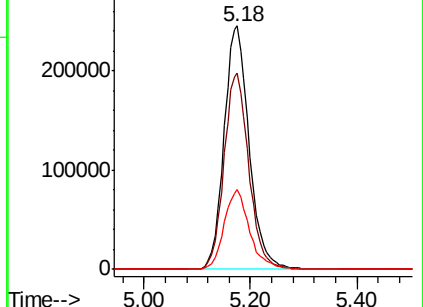
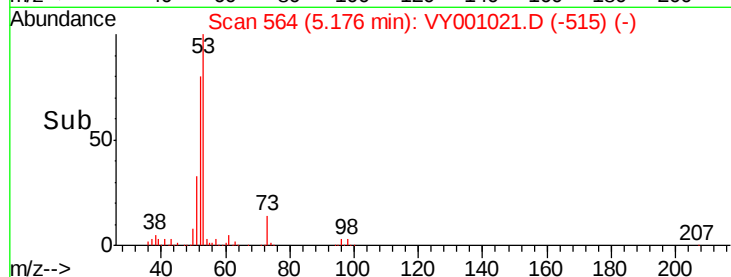
51 33.4 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY001021.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY001021.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY001021.D (-515) (-)



#16

Acetone

Concen: 659.831 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001021.D

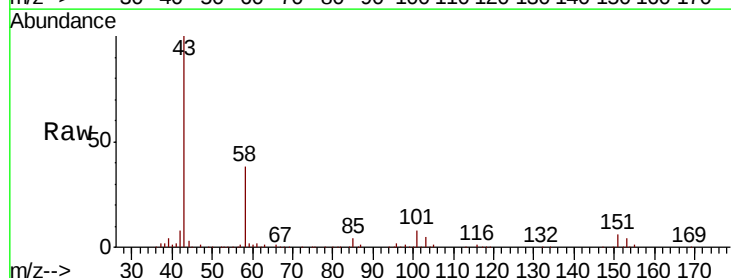
Acq: 23 Dec 2019 11:49

Tgt Ion: 43 Resp: 512450

Ion Ratio Lower Upper

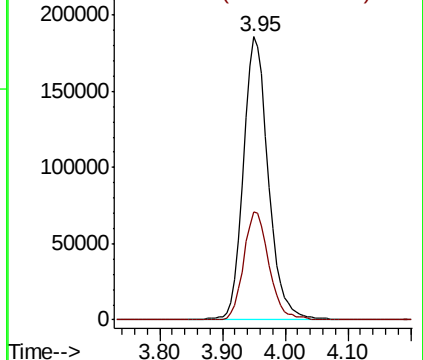
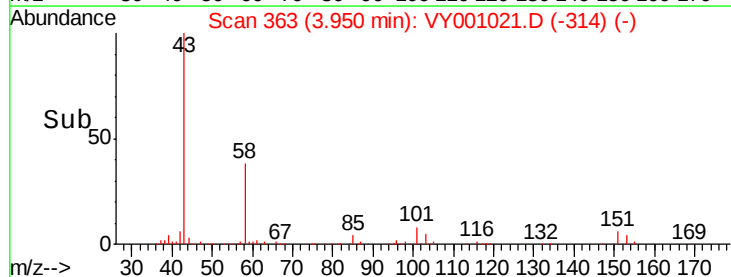
43 100

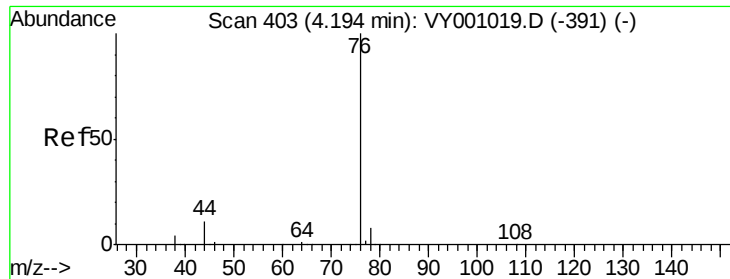
58 38.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001021.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY001021.D (-314) (-)

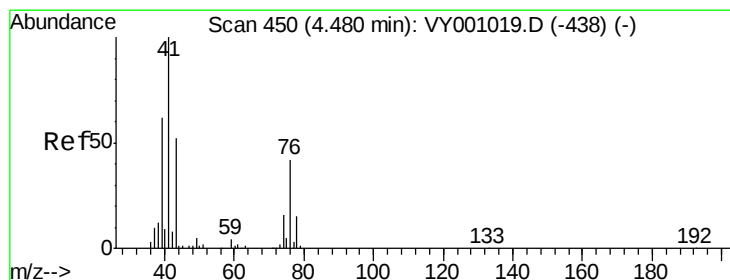
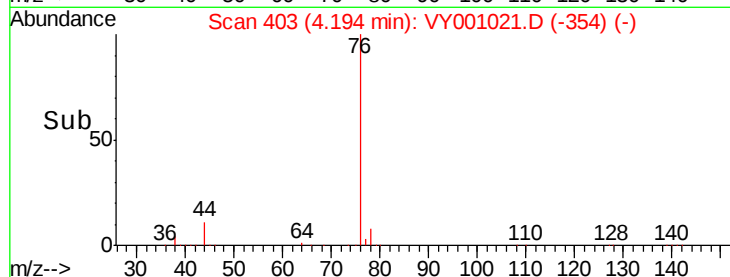
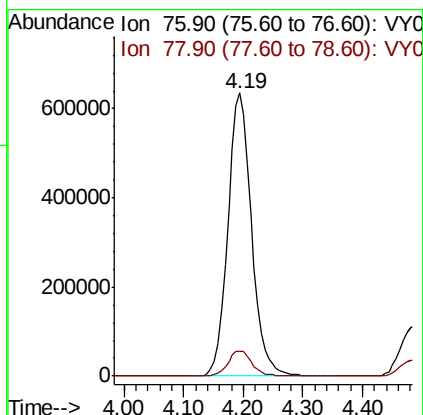
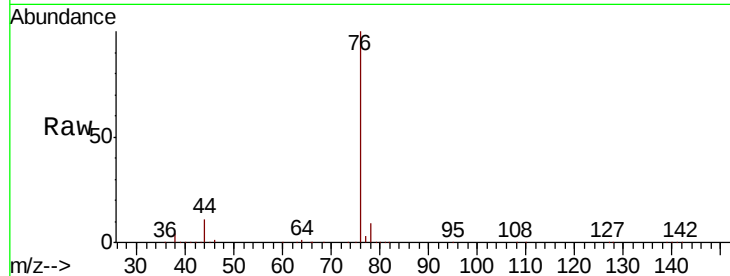




#17
Carbon Disulfide
Concen: 140.845 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

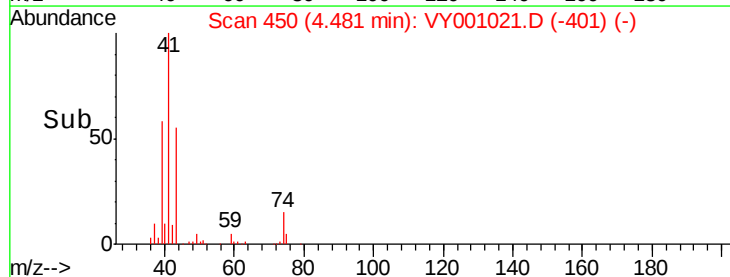
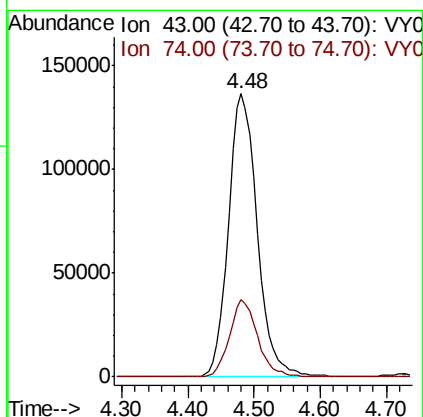
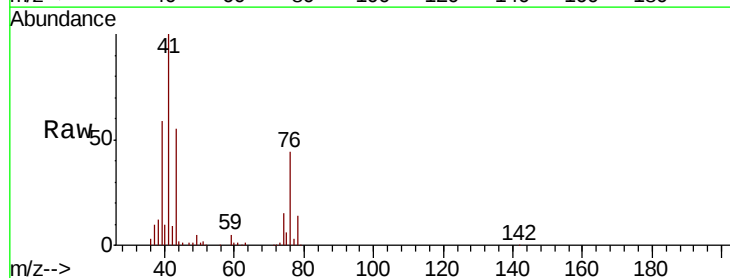
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

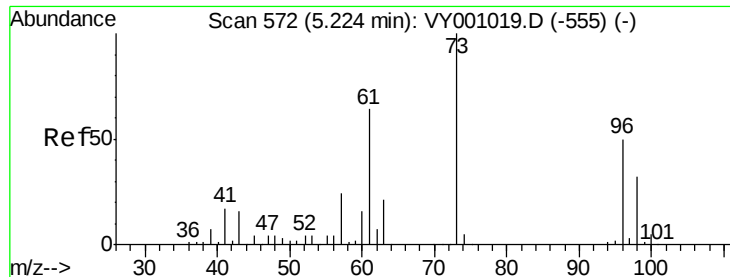
Tot Ion: 76 Resp: 1749705
Ion Ratio Lower Upper
76 100
78 8.8 6.7 10.1



#18
Methyl Acetate
Concen: 139.142 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 43 Resp: 411243
Ion Ratio Lower Upper
43 100
74 26.6 20.7 31.1

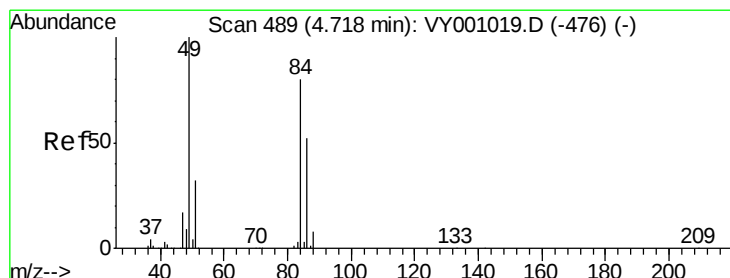
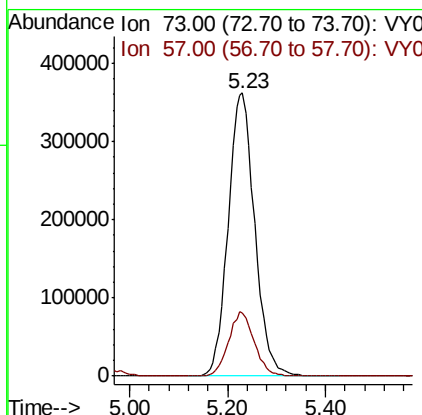
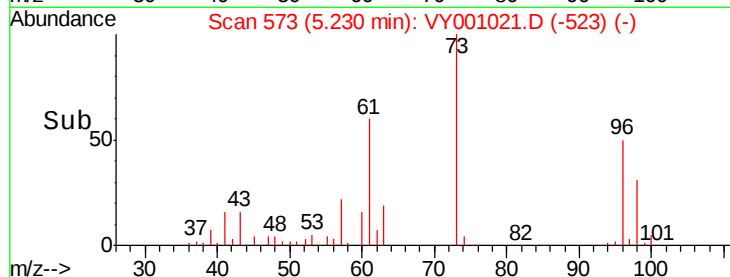
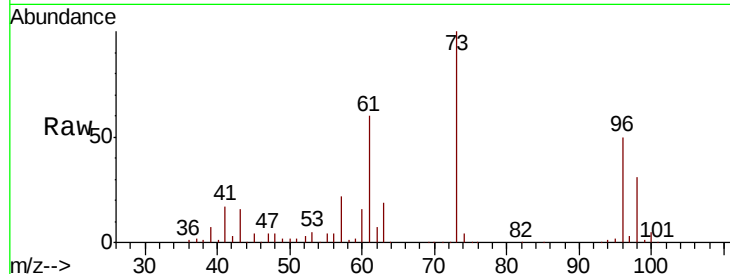




#19
Methyl tert-butyl Ether
Concen: 137.753 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

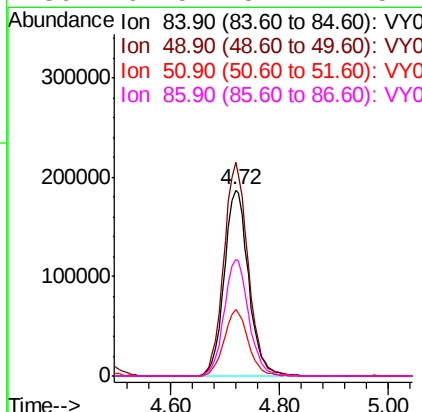
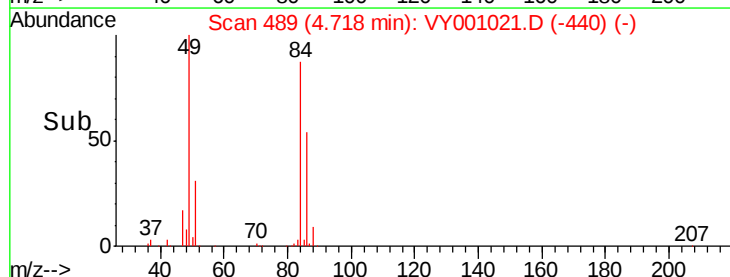
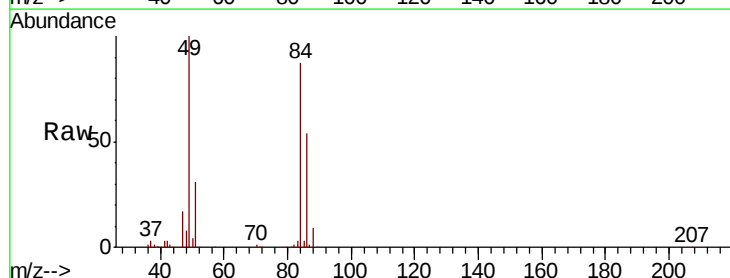
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

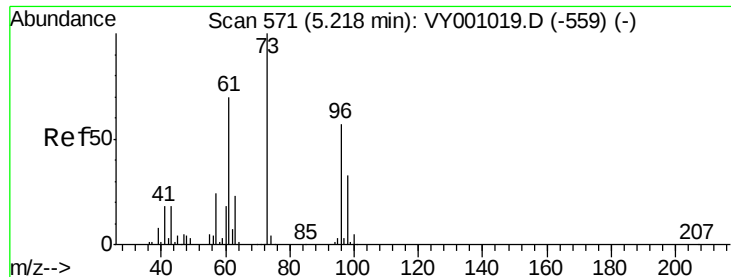
Tot Ion: 73 Resp: 1356374
Ion Ratio Lower Upper
73 100
57 22.2 19.0 28.6



#20
Methylene Chloride
Concen: 126.672 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 84 Resp: 582556
Ion Ratio Lower Upper
84 100
49 115.1 99.8 149.6
51 36.1 31.4 47.2
86 62.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 137.509 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

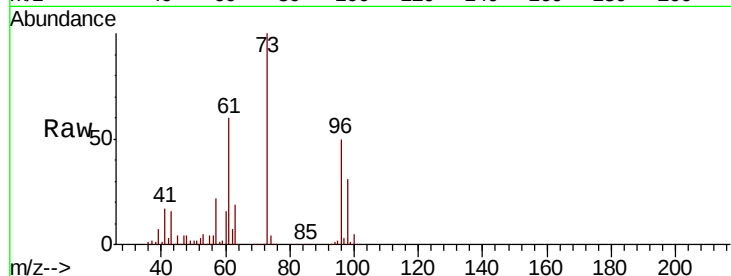
Tot Ion: 96 Resp: 581539

Ion Ratio Lower Upper

96 100

61 119.2 98.1 147.1

98 62.4 47.2 70.8

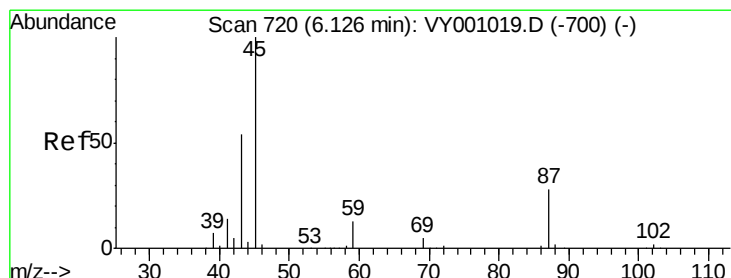
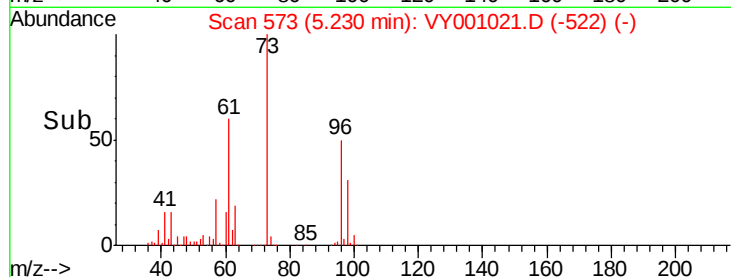
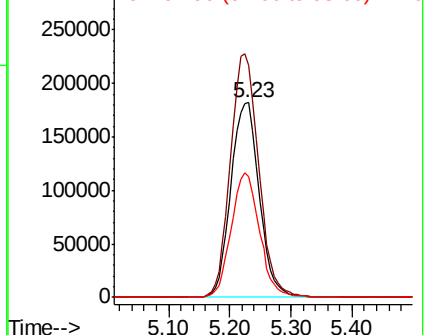


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 126.872 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Tgt Ion: 45 Resp: 1538666

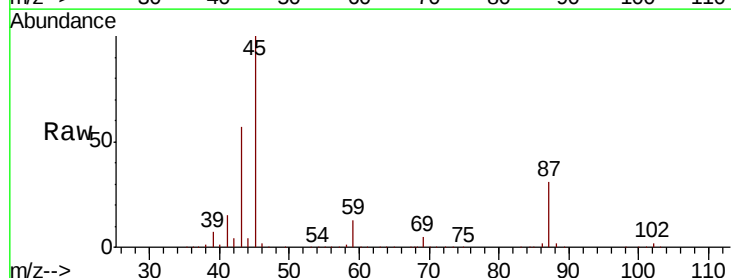
Ion Ratio Lower Upper

45 100

43 57.1 43.6 65.4

87 30.5 23.1 34.7

59 12.7 10.2 15.4



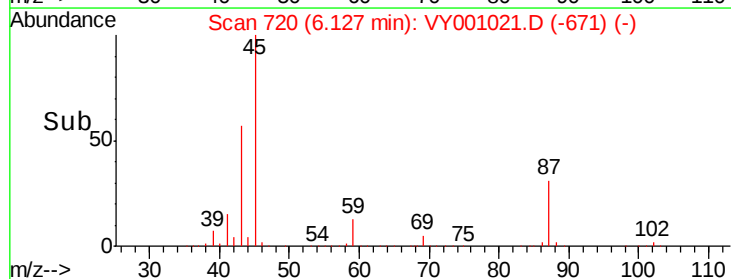
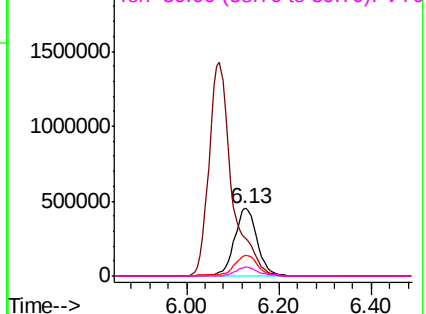
Abundance

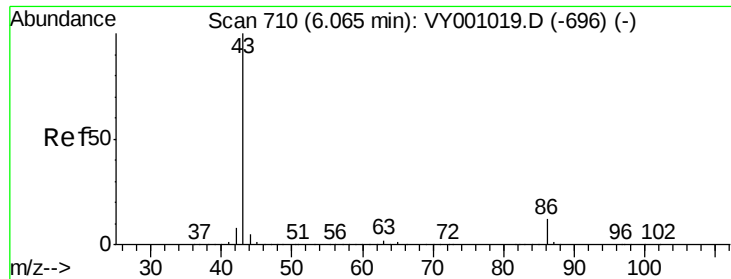
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 639.817 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

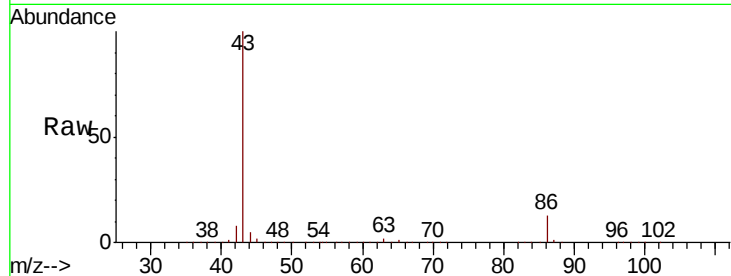
VSTDIC150

Tot Ion: 43 Resp: 4894374

Ion Ratio Lower Upper

43 100

86 12.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY001021.D (-661) (-)

Ion 86.00 (85.70 to 86.70): VY001021.D (-661) (-)

6.07

1500000

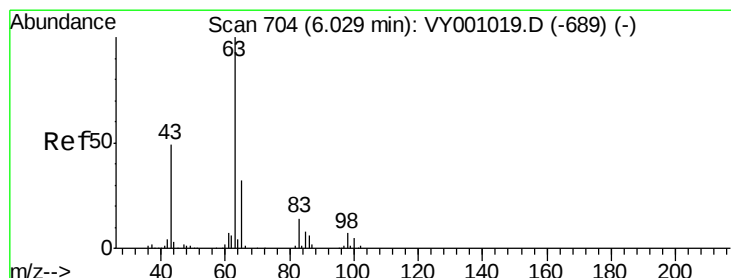
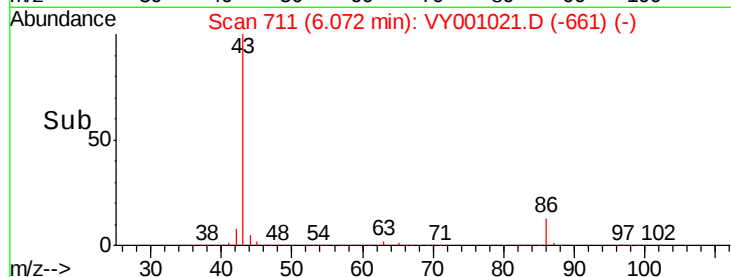
1000000

500000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 133.720 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

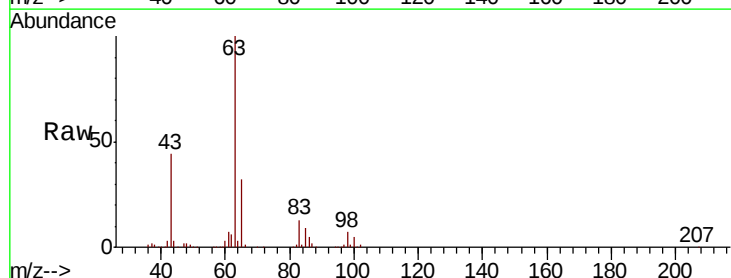
Tgt Ion: 63 Resp: 950932

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 4.7 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY001021.D (-655) (-)

Ion 97.90 (97.60 to 98.60): VY001021.D (-655) (-)

Ion 99.90 (99.60 to 100.60): VY001021.D (-655) (-)

6.03

400000

300000

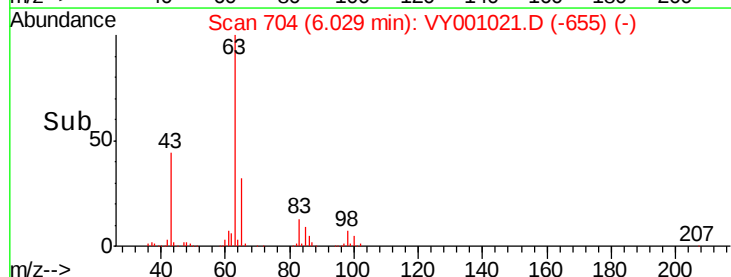
200000

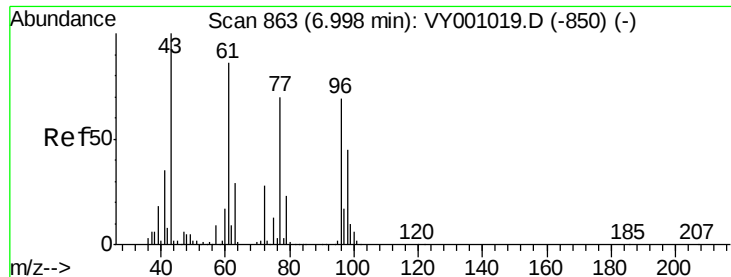
100000

0

5.80 6.00 6.20

Time-->





#25

2-Butanone

Concen: 666.716 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

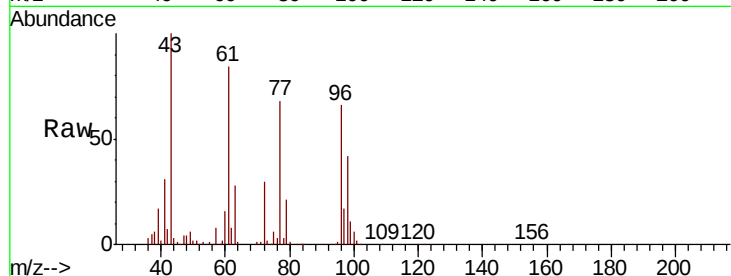
VSTDIC150

Tot Ion: 43 Resp: 908218

Ion Ratio Lower Upper

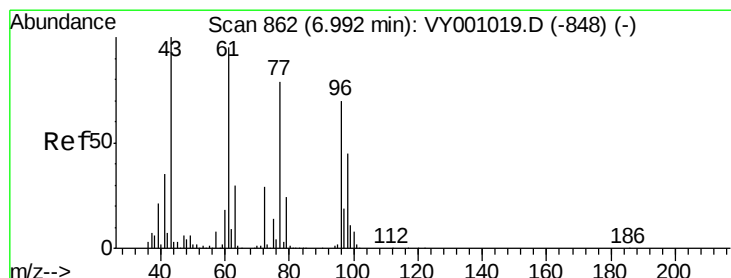
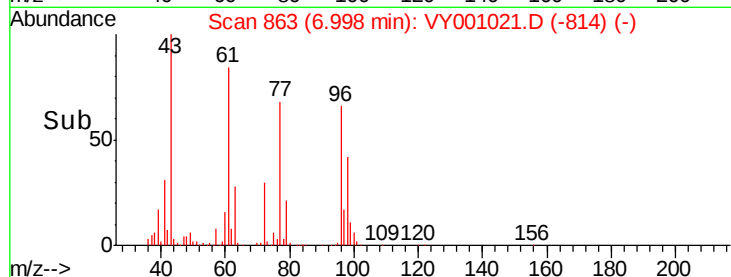
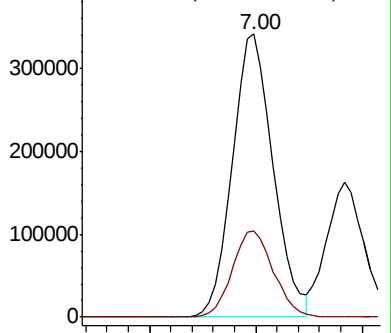
43 100

72 30.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 129.785 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001021.D

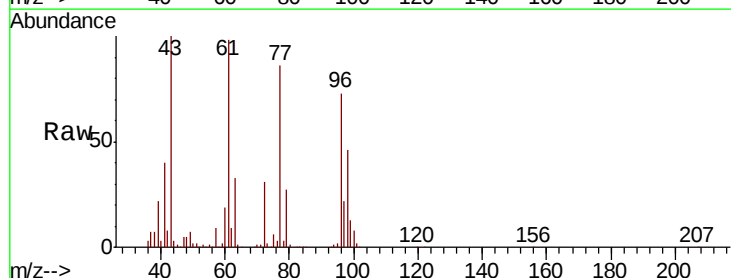
Acq: 23 Dec 2019 11:49

Tgt Ion: 77 Resp: 761667

Ion Ratio Lower Upper

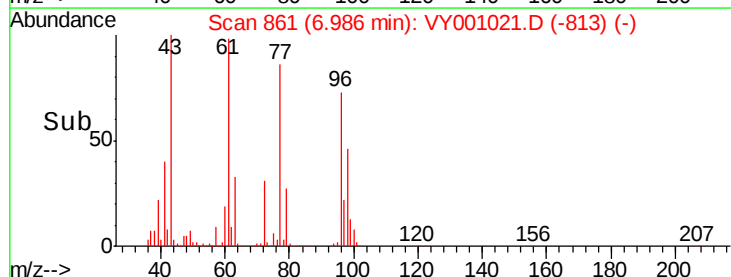
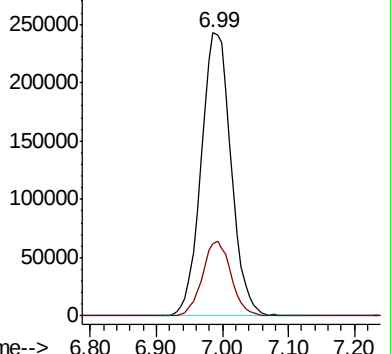
77 100

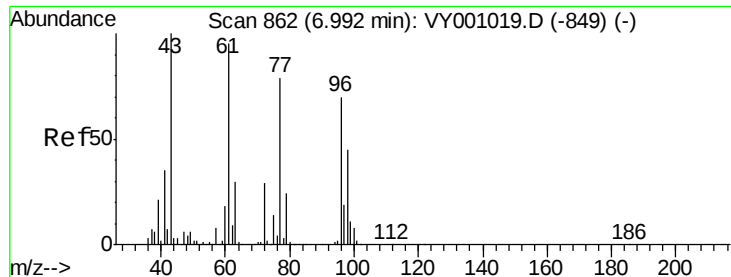
97 25.3 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



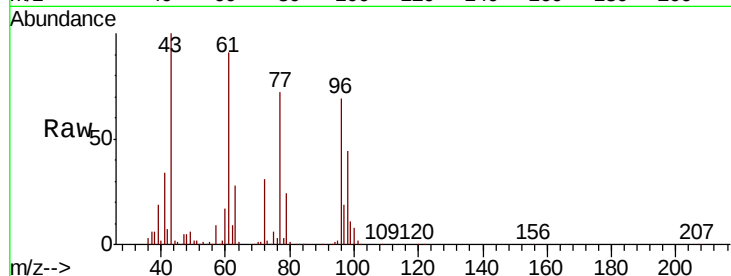


#27

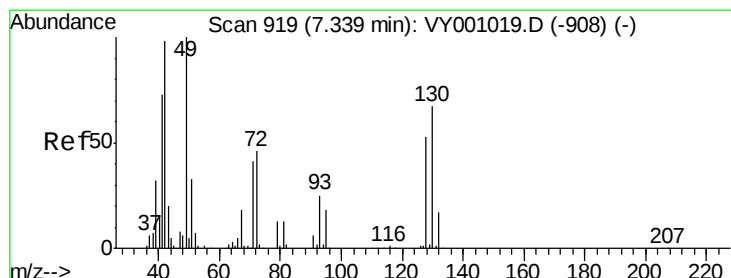
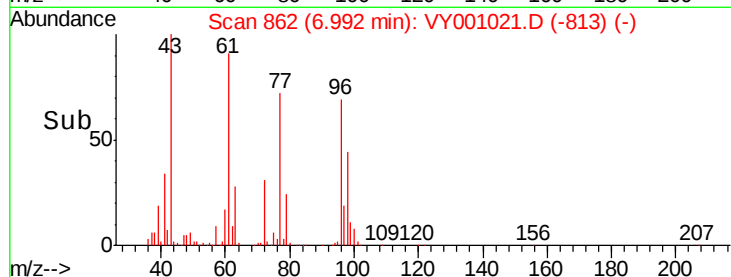
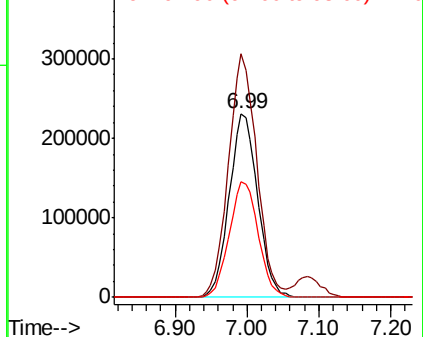
cis-1,2-Dichloroethene
 Concen: 136.433 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 96 Resp: 634669
 Ion Ratio Lower Upper
 96 100
 61 132.2 0.0 268.2
 98 64.4 0.0 129.2



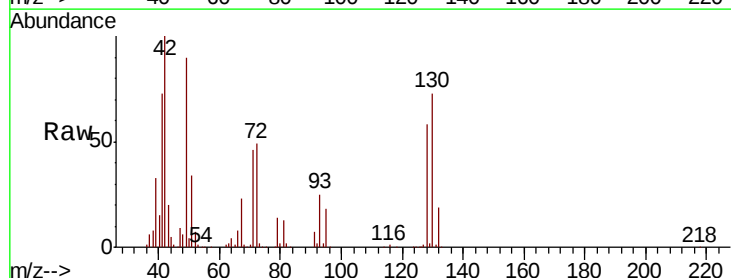
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



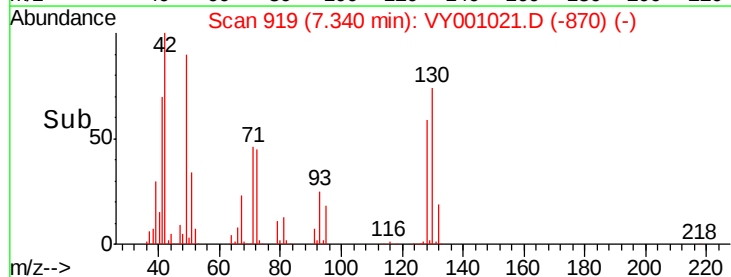
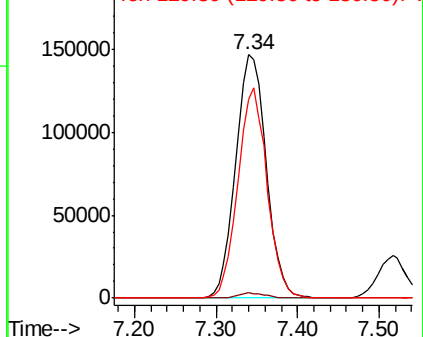
#28

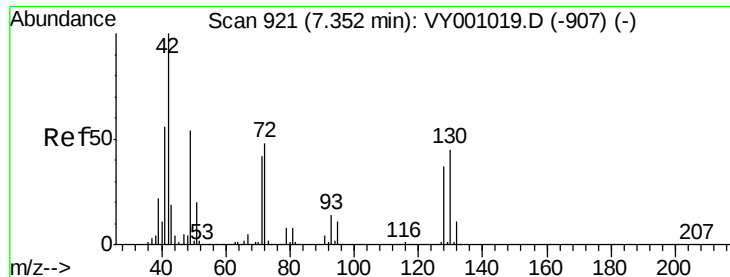
Bromochloromethane
 Concen: 138.038 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 49 Resp: 381149
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 82.4 60.4 90.6



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

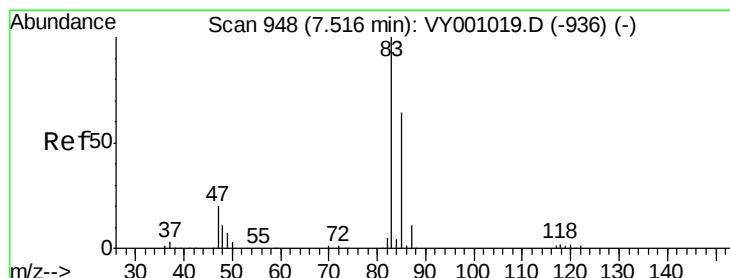
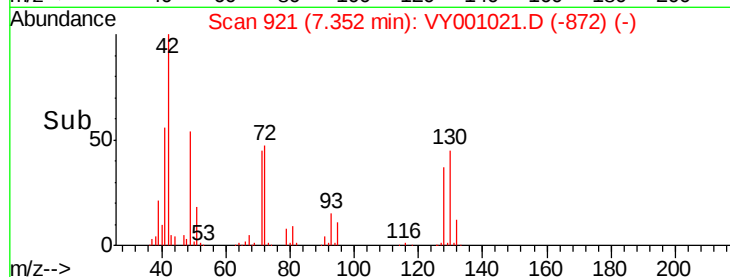
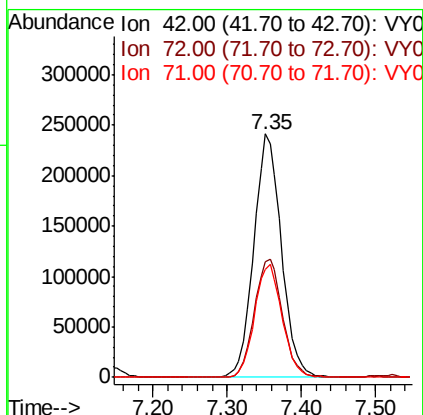
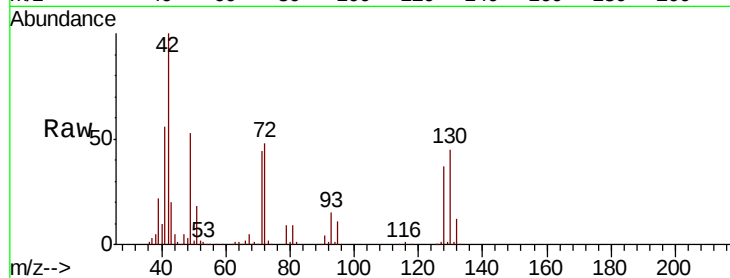




#29
Tetrahydrofuran
Concen: 643.684 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

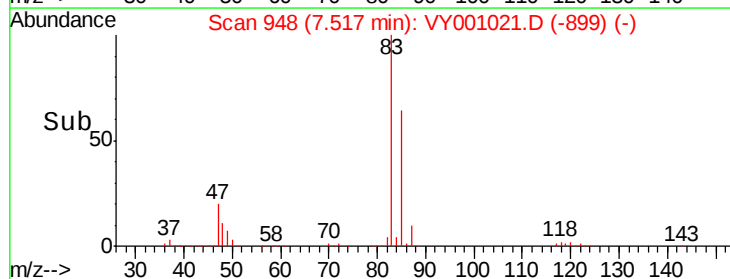
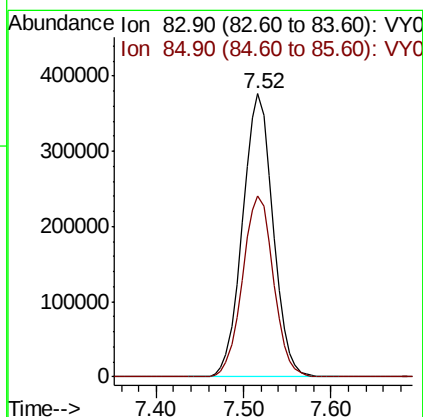
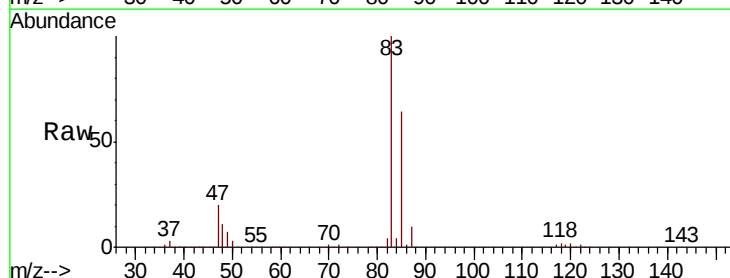
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

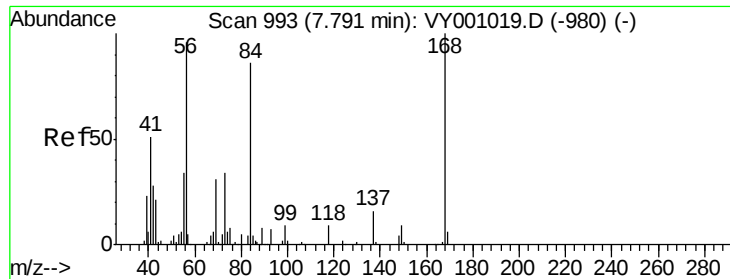
Tot Ion: 42 Resp: 626991
Ion Ratio Lower Upper
42 100
72 49.4 37.7 56.5
71 46.2 34.6 51.8



#30
Chloroform
Concen: 135.407 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 83 Resp: 908793
Ion Ratio Lower Upper
83 100
85 64.2 51.6 77.4

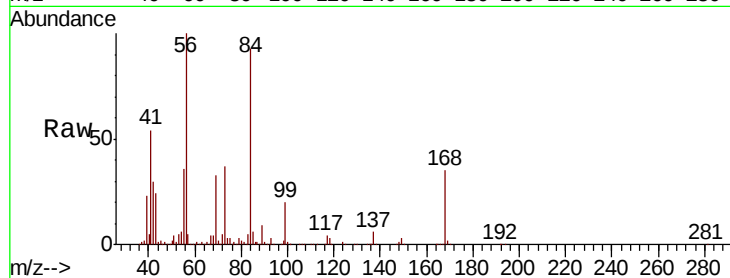




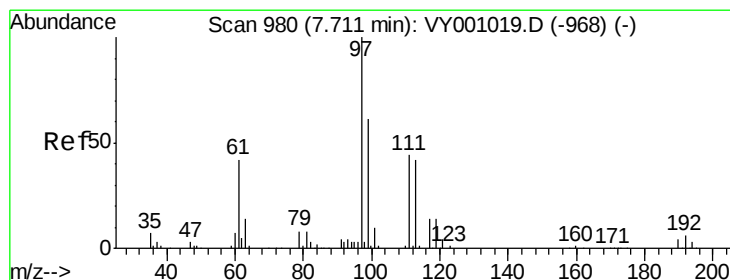
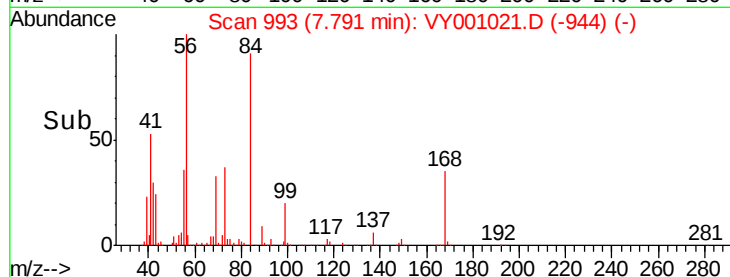
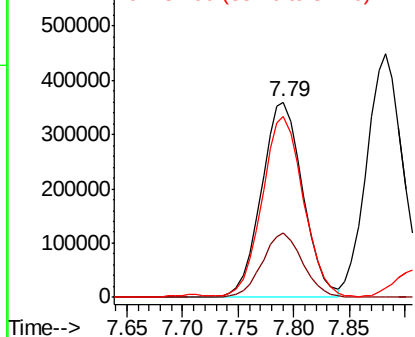
#31
Cyclohexane
Concen: 123.415 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 933767
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 91.2 71.8 107.8

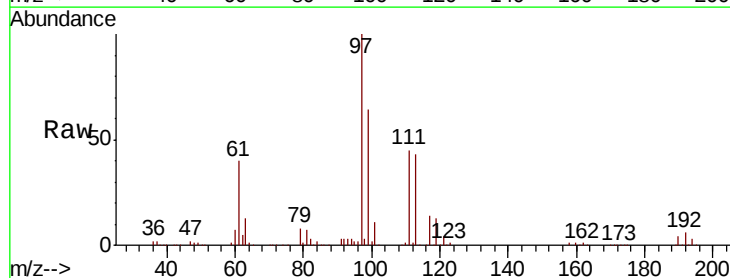


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

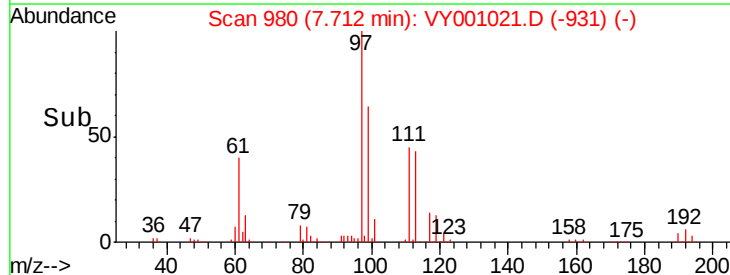
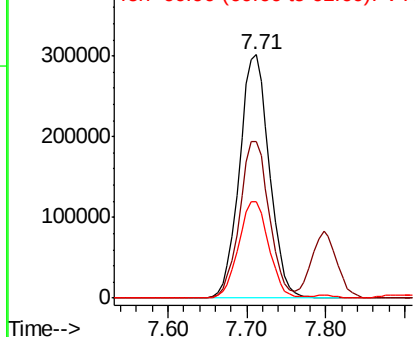


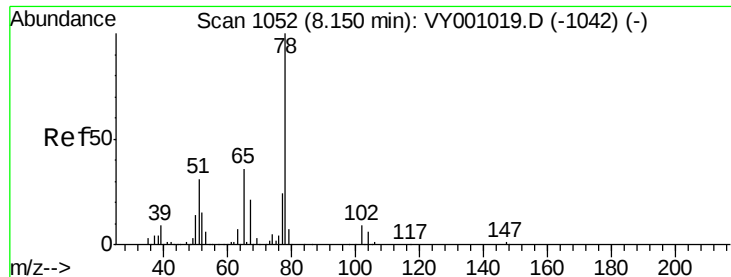
#32
1,1,1-Trichloroethane
Concen: 139.162 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 97 Resp: 793372
Ion Ratio Lower Upper
97 100
99 64.0 50.6 76.0
61 40.1 33.0 49.6



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

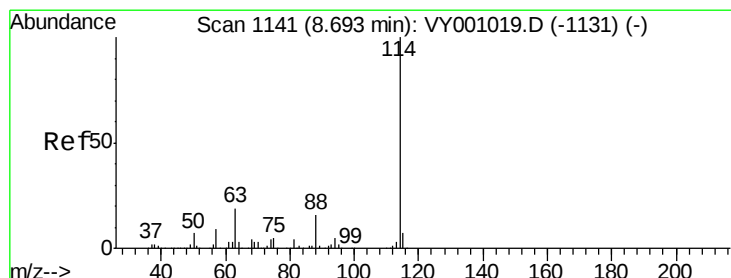
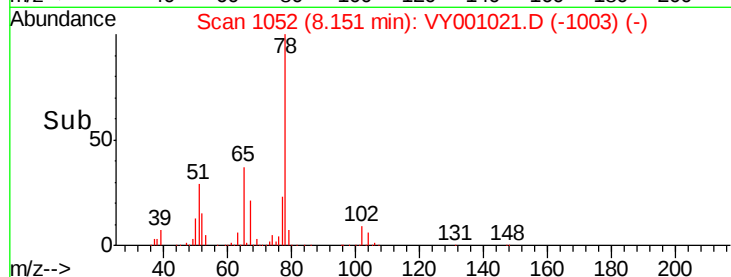
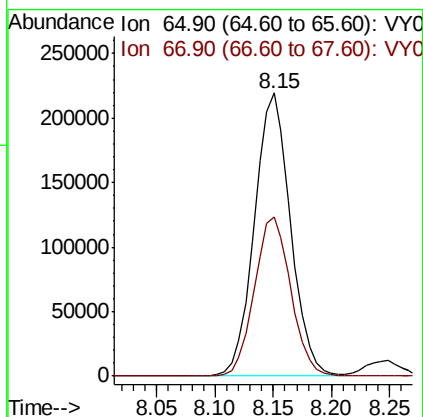
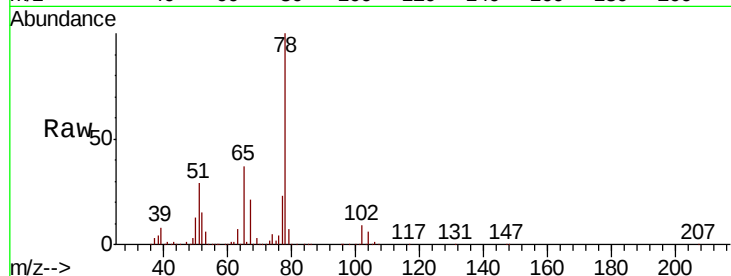




#33
 1,2-Dichloroethane-d4
 Concen: 141.782 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

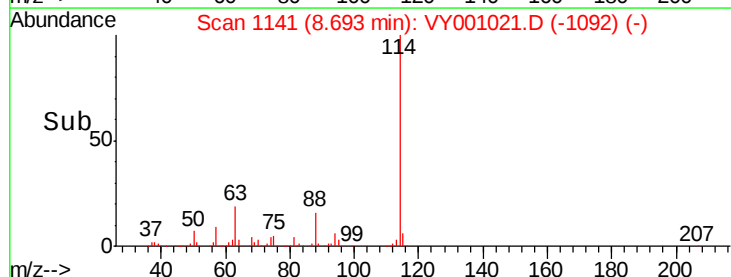
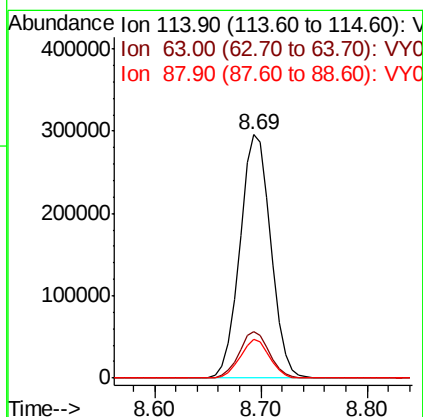
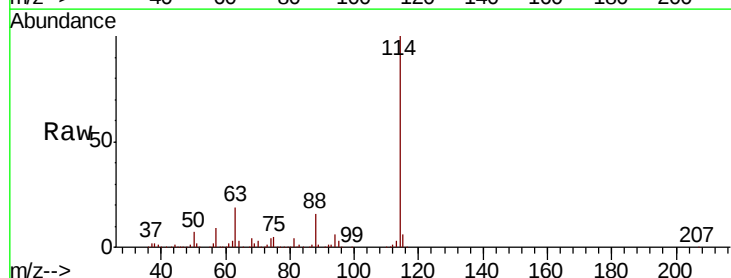
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

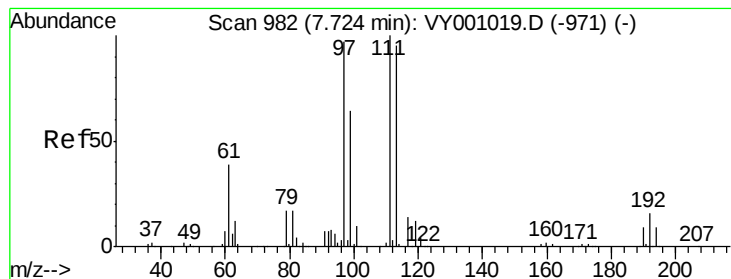
Tot Ion: 65 Resp: 472716
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 114 Resp: 601201
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 134.186 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

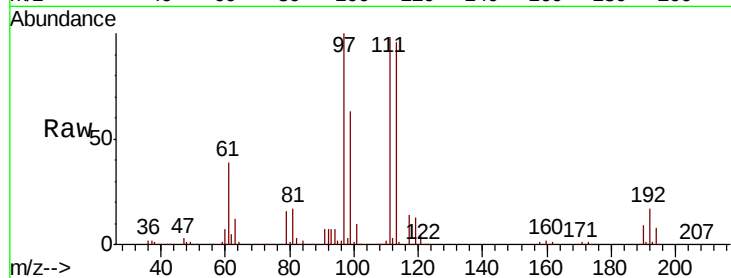
Tot Ion:113 Resp: 483544

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

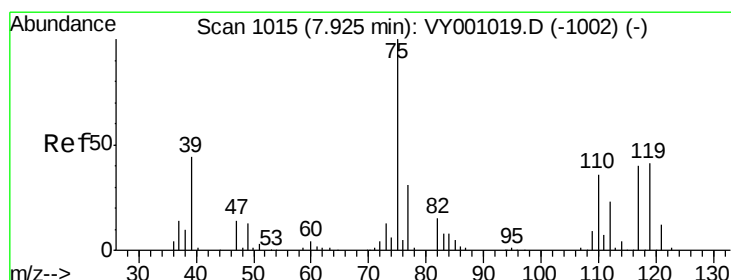
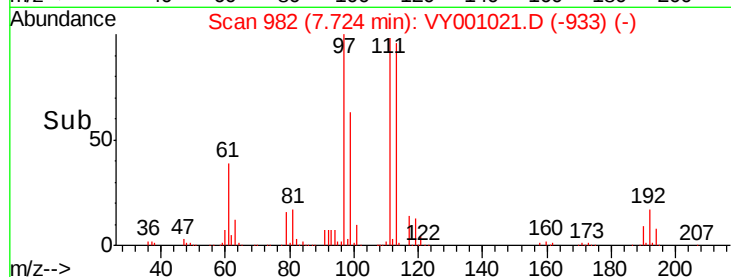
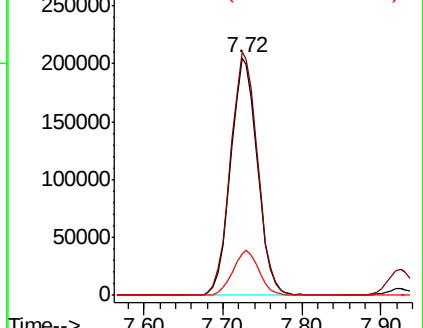
192 18.4 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 130.142 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

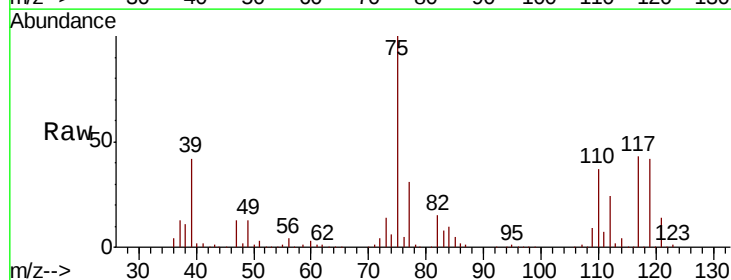
Tgt Ion: 75 Resp: 763255

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.4

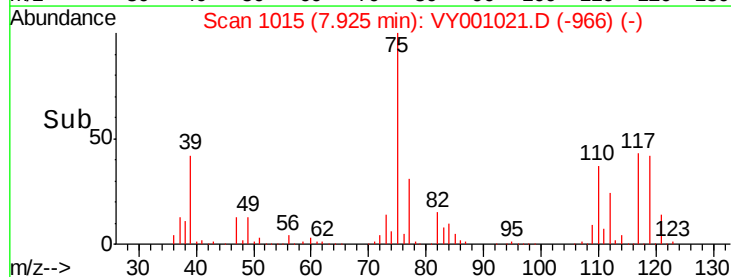
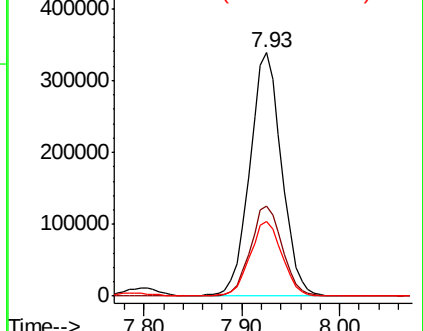
77 31.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

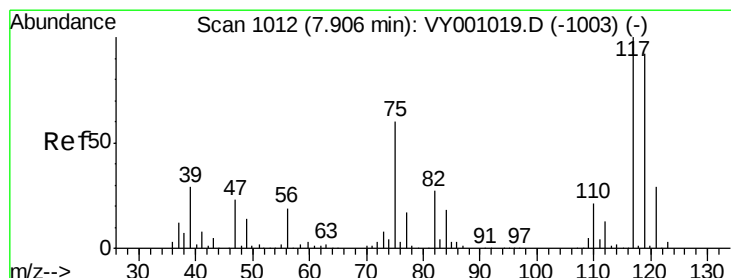
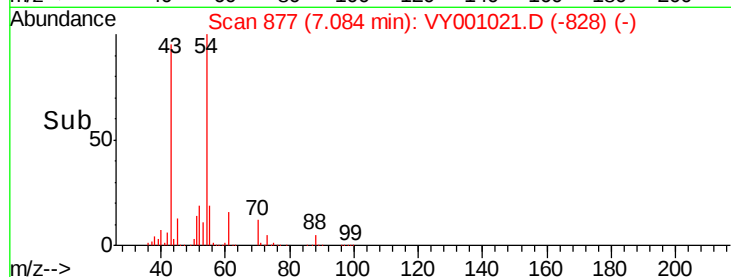
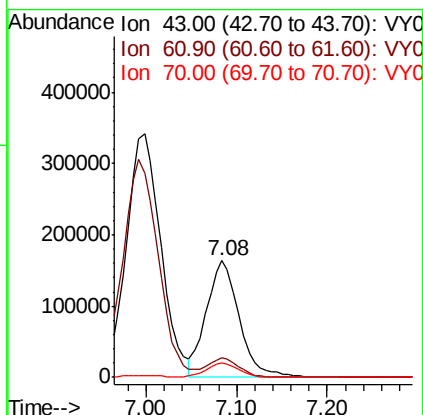
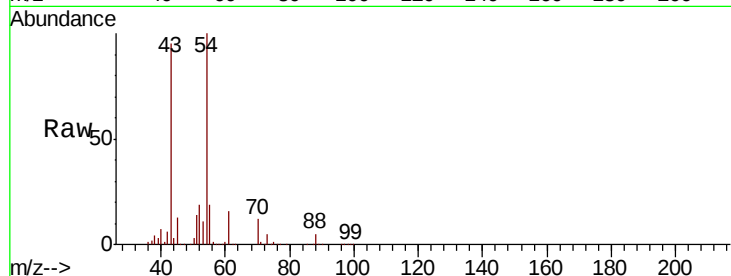




#37
Ethyl Acetate
Concen: 126.926 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

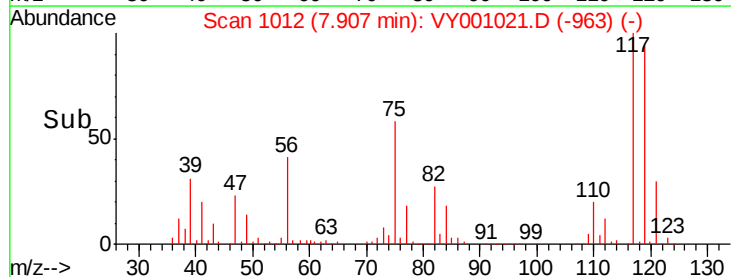
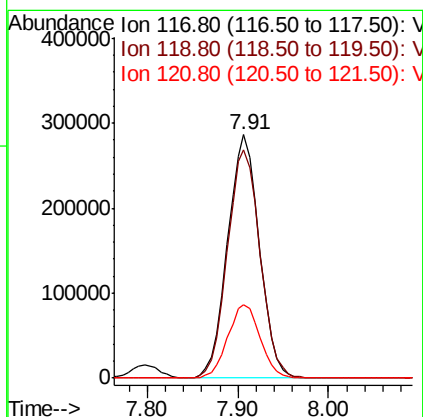
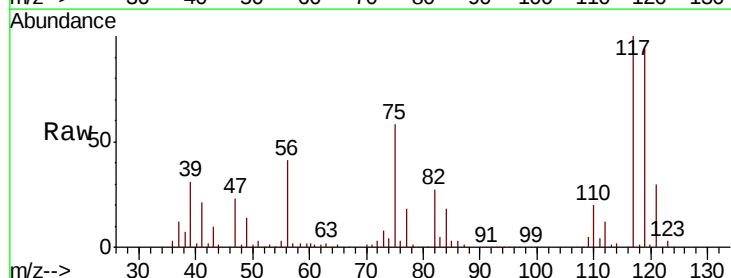
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

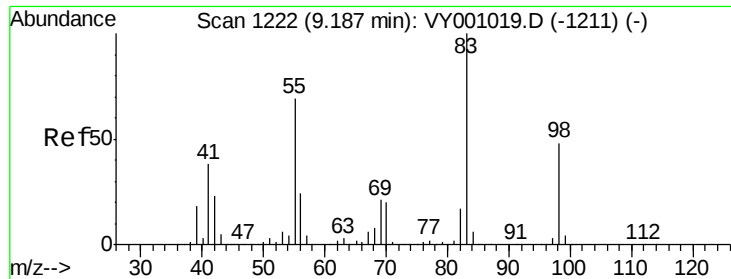
Tot Ion: 43 Resp: 413693
Ion Ratio Lower Upper
43 100
61 15.8 12.5 18.7
70 12.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 136.328 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 117 Resp: 695622
Ion Ratio Lower Upper
117 100
119 94.0 74.2 111.2
121 30.2 22.9 34.3

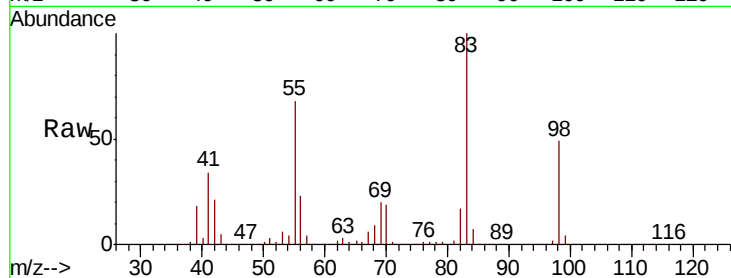




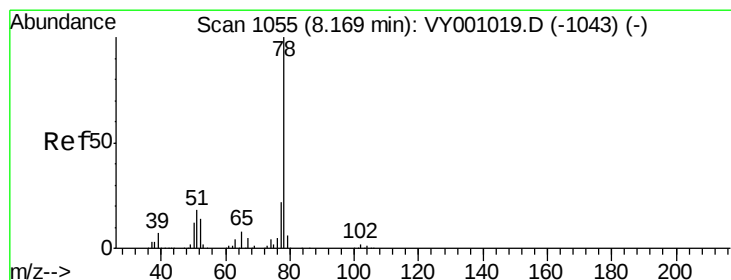
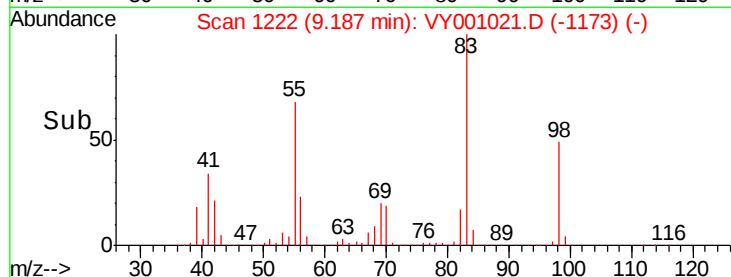
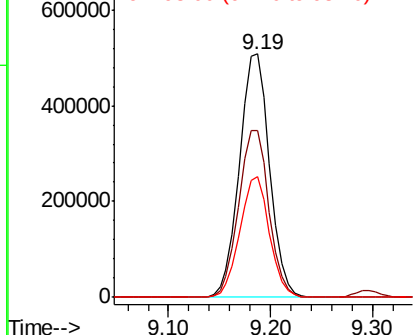
#39
Methvlcvclohexane
Concen: 134.403 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1041719
Ion Ratio Lower Upper
83 100
55 68.3 55.1 82.7
98 49.5 38.3 57.5

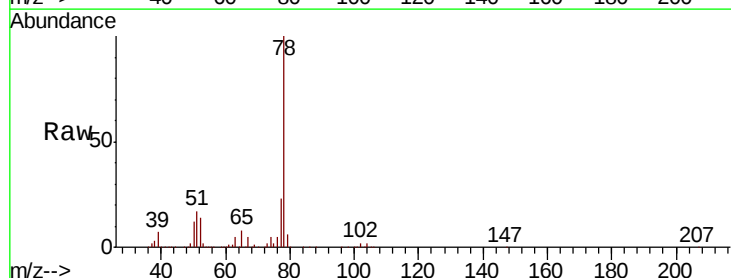


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

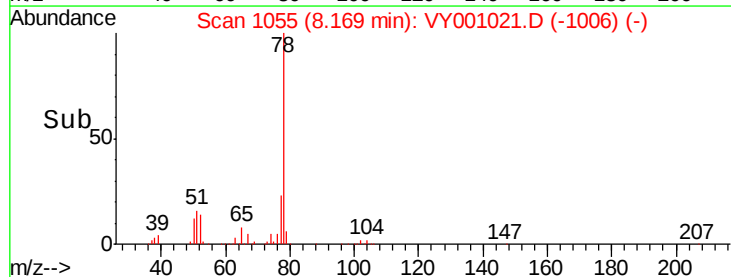
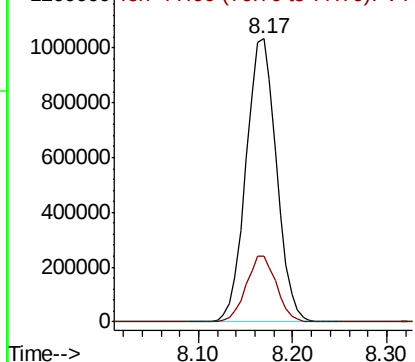


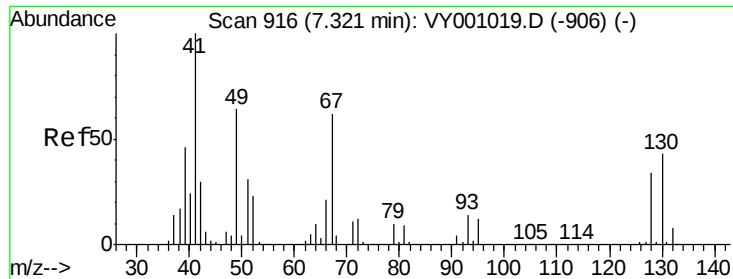
#40
Benzene
Concen: 132.018 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 78 Resp: 2330856
Ion Ratio Lower Upper
78 100
77 23.1 17.7 26.5



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

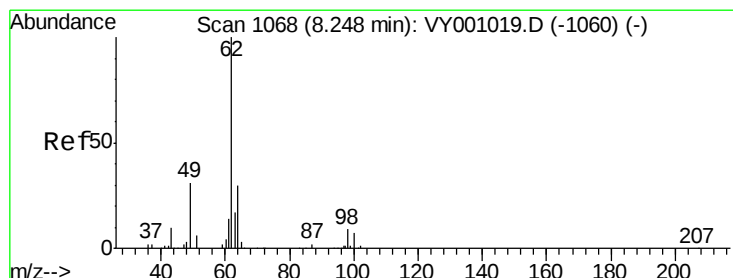
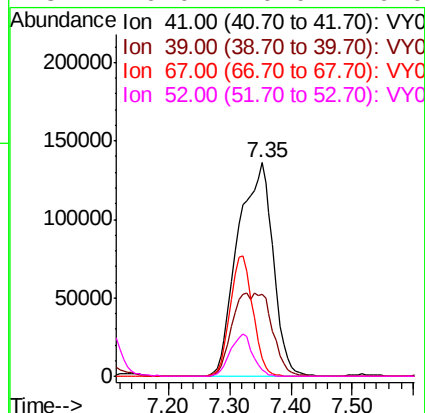
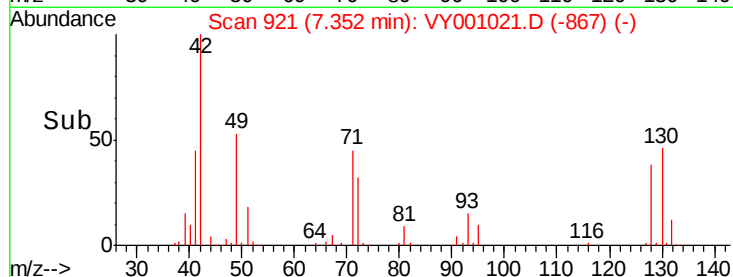
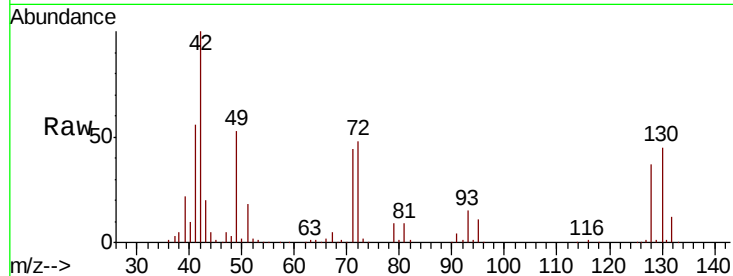




#41
Methacrylonitrile
Concen: 392.621 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

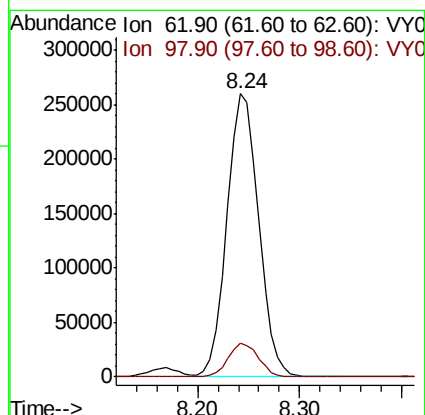
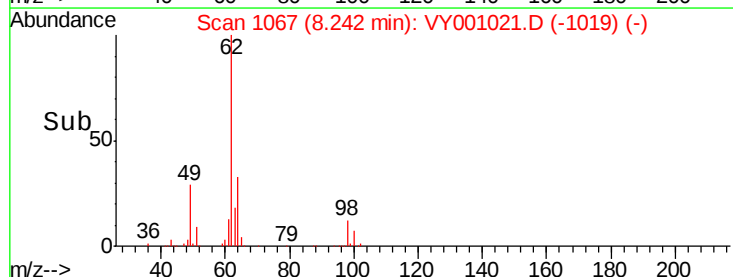
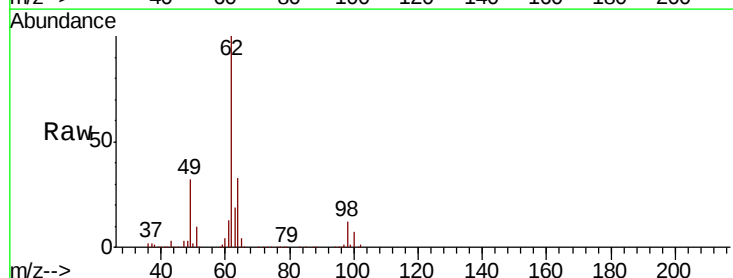
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

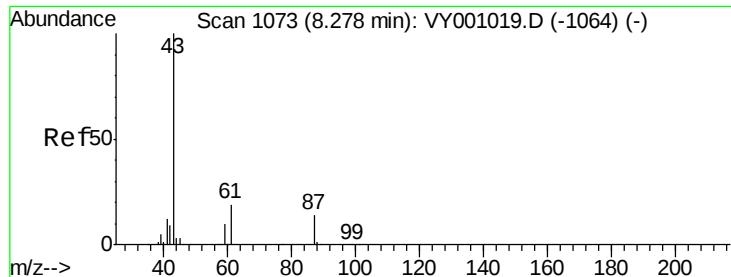
Tot Ion:	41	Resp:	544322
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 133.237 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion:	62	Resp:	561642
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	23.4

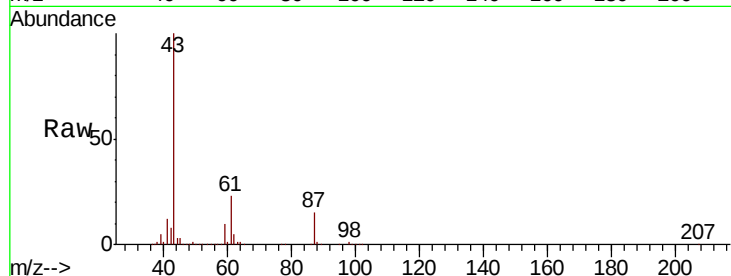




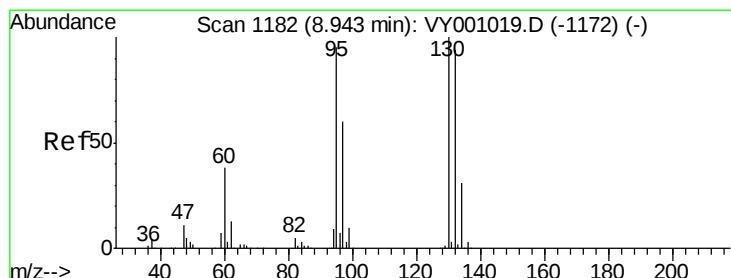
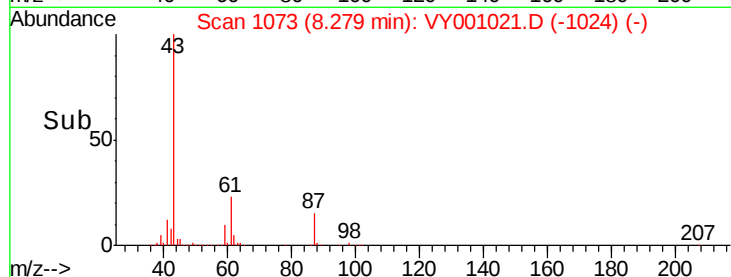
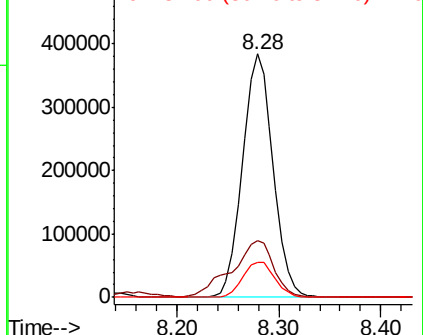
#43
Isopropyl Acetate
Concen: 133.113 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 797518
Ion Ratio Lower Upper
43 100
61 32.2 25.0 37.6
87 15.3 12.0 18.0

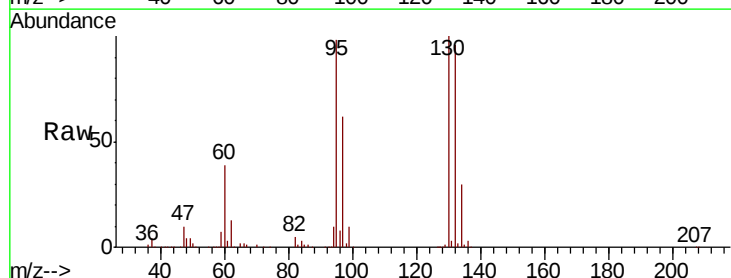


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

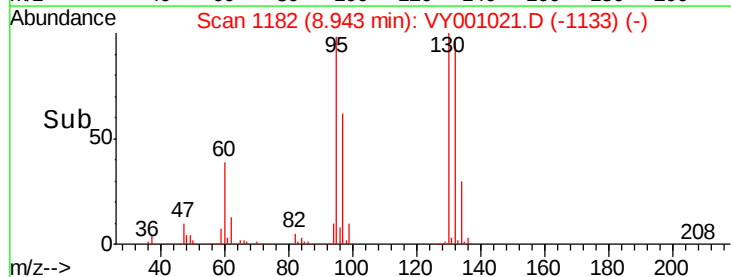
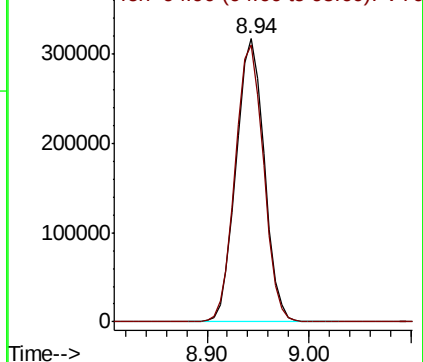


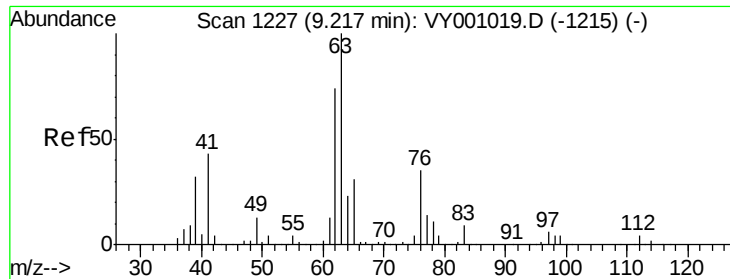
#44
Trichloroethene
Concen: 130.405 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion:130 Resp: 607744
Ion Ratio Lower Upper
130 100
95 97.6 0.0 190.6



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

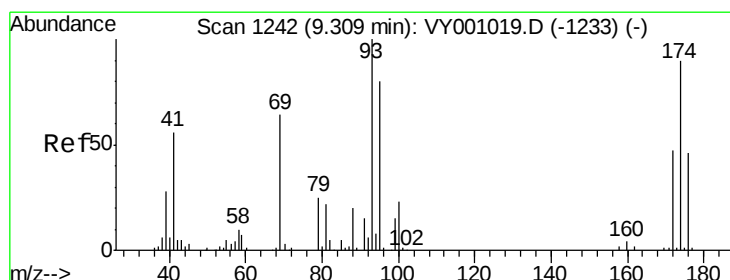
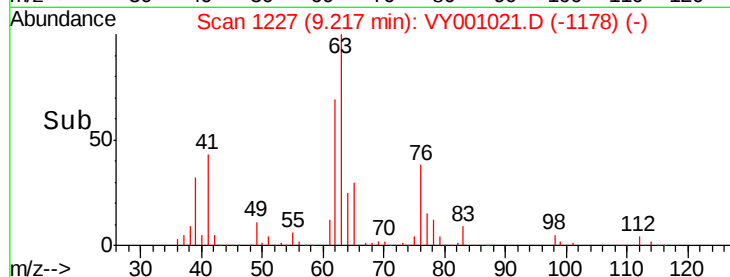
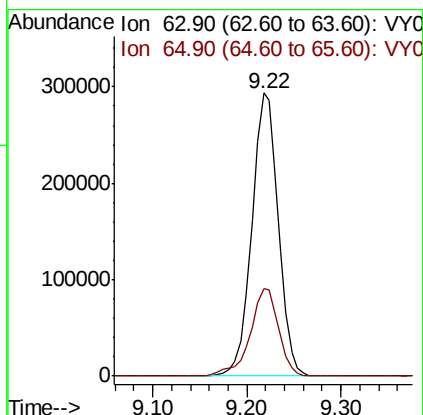
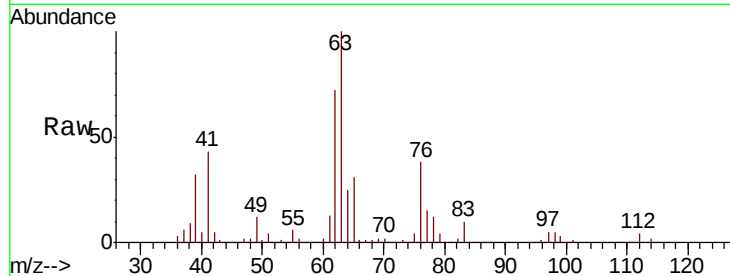




#45
 1,2-Dichloropropane
 Concen: 130.725 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

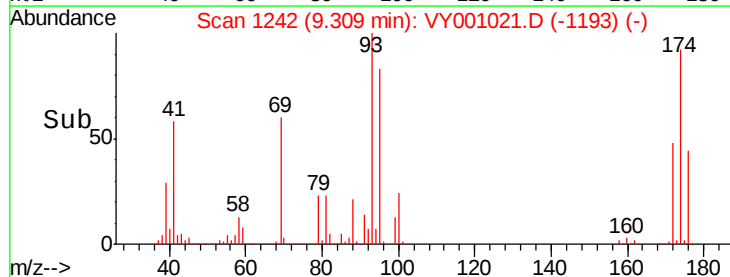
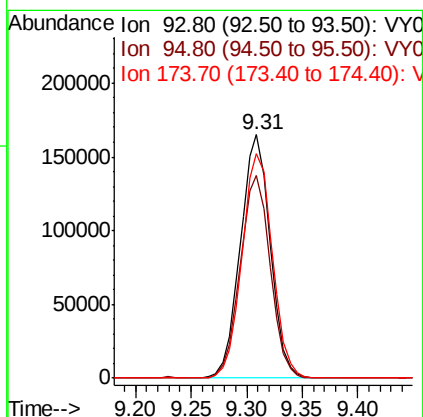
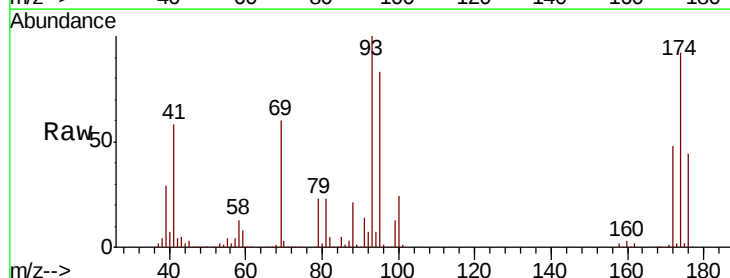
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

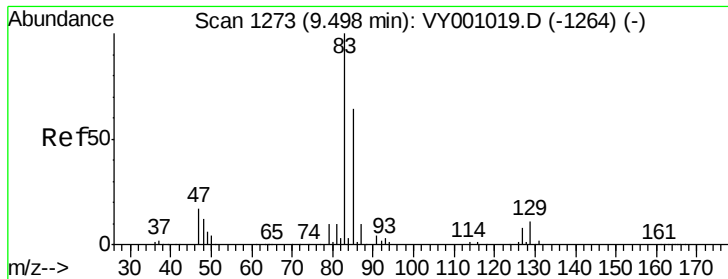
Tot Ion: 63 Resp: 579861
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7



#46
 Dibromomethane
 Concen: 134.310 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 93 Resp: 305864
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 94.0 73.6 110.4





#47

Bromodichloromethane

Concen: 135.914 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

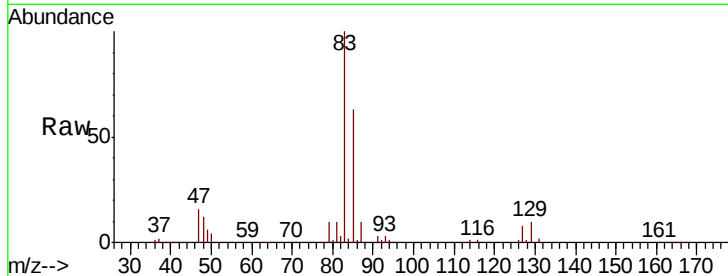
Tot Ion: 83 Resp: 715654

Ion Ratio Lower Upper

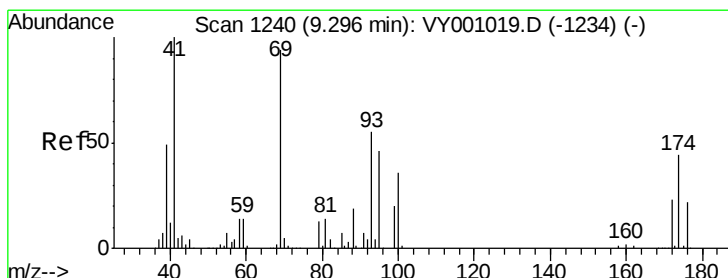
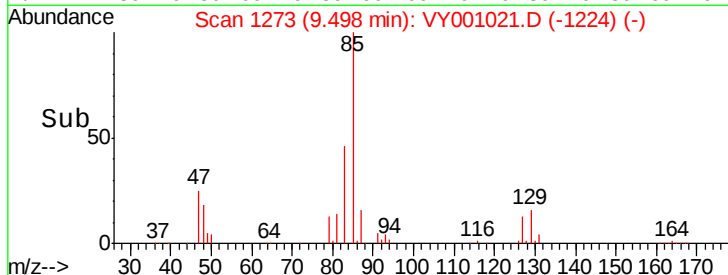
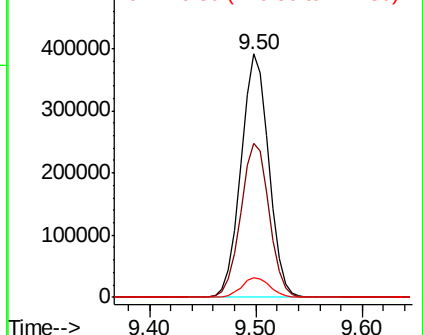
83 100

85 63.5 50.9 76.3

127 8.0 6.4 9.6



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



#48

Methyl methacrylate

Concen: 136.002 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

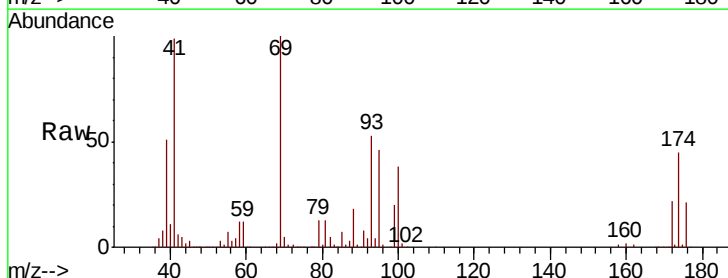
Tgt Ion: 41 Resp: 346582

Ion Ratio Lower Upper

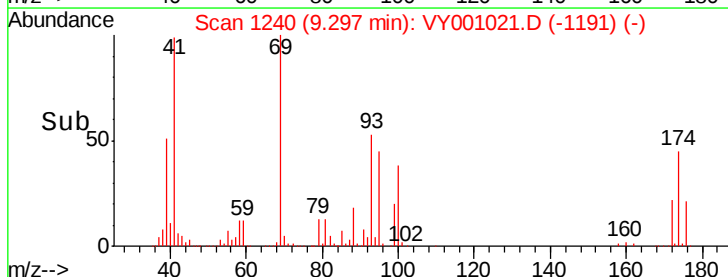
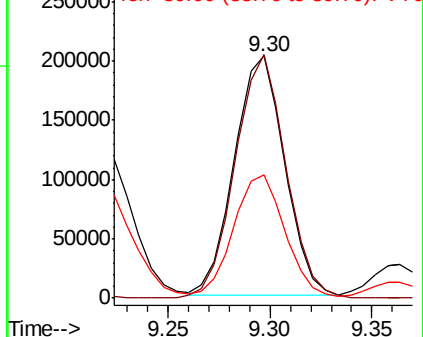
41 100

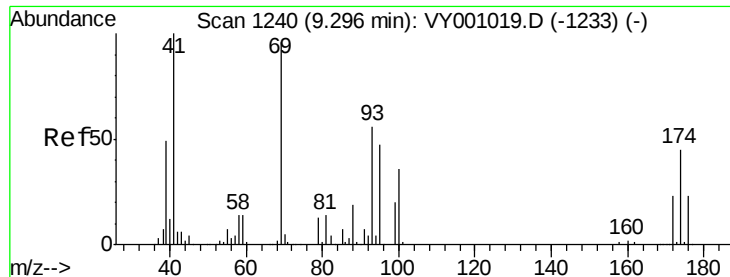
69 102.4 79.8 119.6

39 53.0 41.7 62.5



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

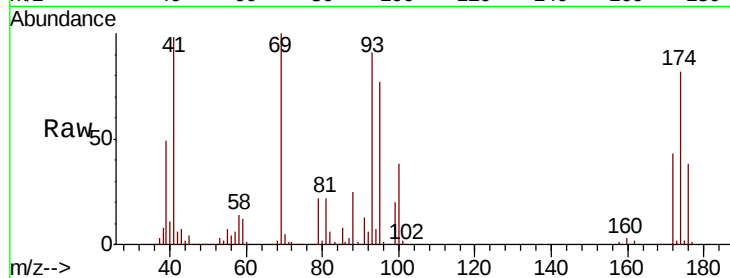




#49
1,4-Dioxane
Concen: 2770.249 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	91849
Ion Ratio	Lower	Upper	
88	100		
43	25.2	23.0	34.4
58	63.2	54.9	82.3

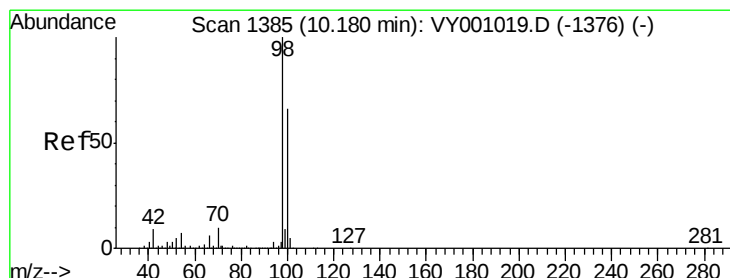
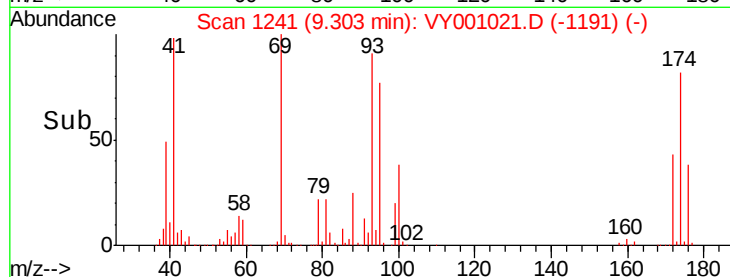
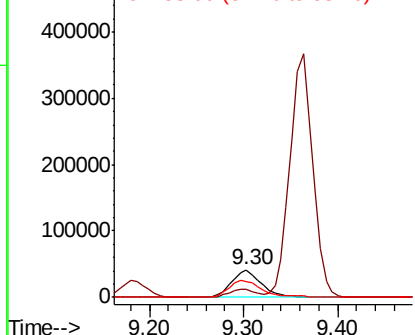


Abundance

Ion 88.00 (87.70 to 88.70): VY0

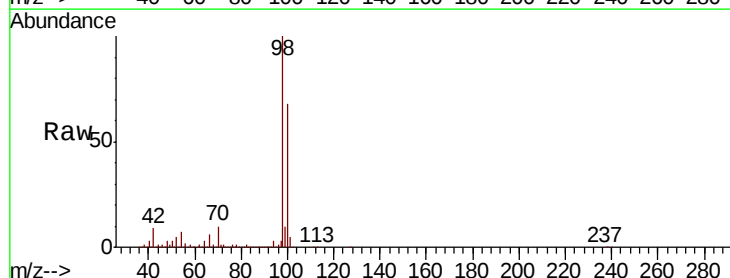
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 141.997 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

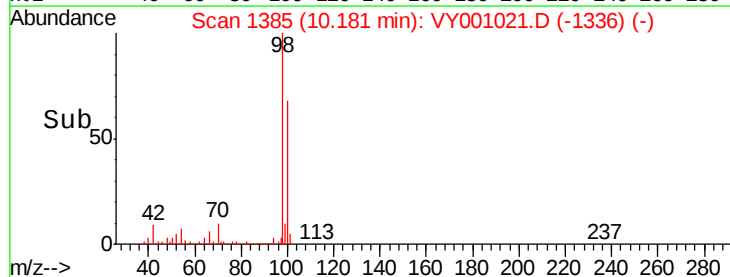
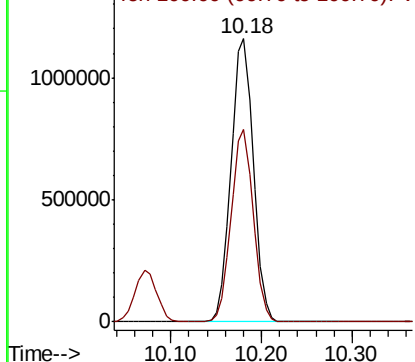
Tgt Ion	98	Resp	1982160
Ion Ratio	Lower	Upper	
98	100		
100	67.2	53.0	79.4

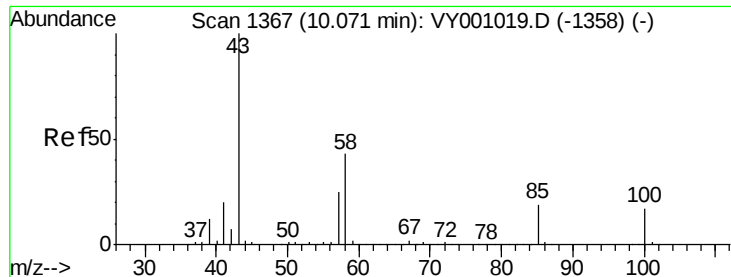


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 640.870 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

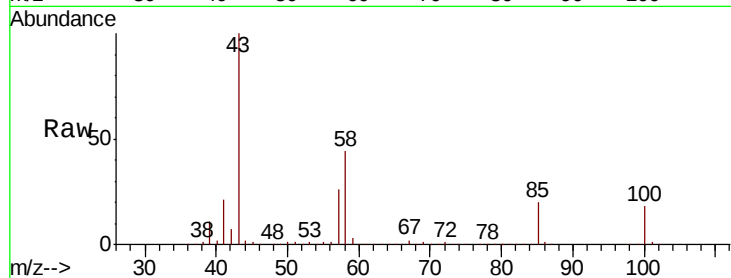
VSTDIC150

Tot Ion: 43 Resp: 2012517

Ion Ratio Lower Upper

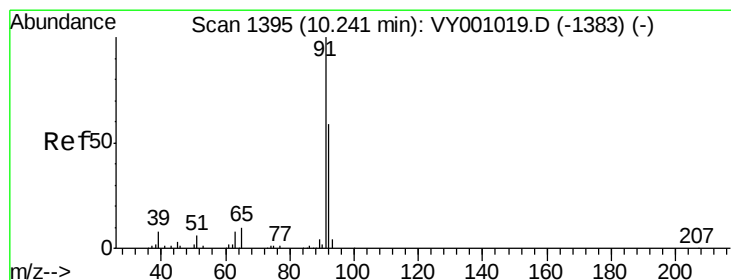
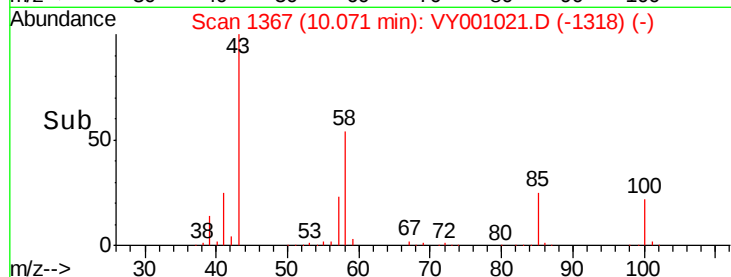
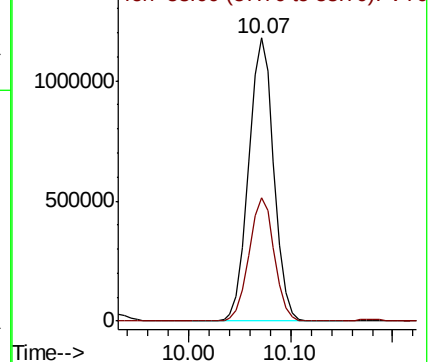
43 100

58 43.8 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VY001021.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY001021.D (-1358) (-)



#52

Toluene

Concen: 129.476 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001021.D

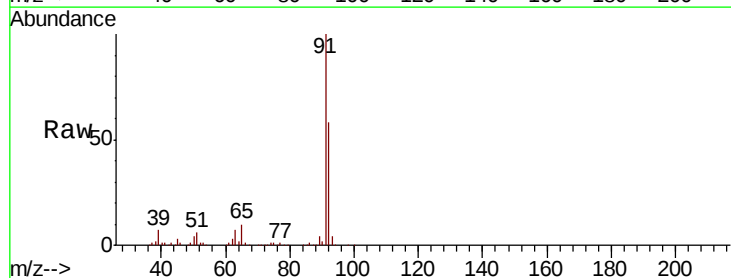
Acq: 23 Dec 2019 11:49

Tgt Ion: 92 Resp: 1411076

Ion Ratio Lower Upper

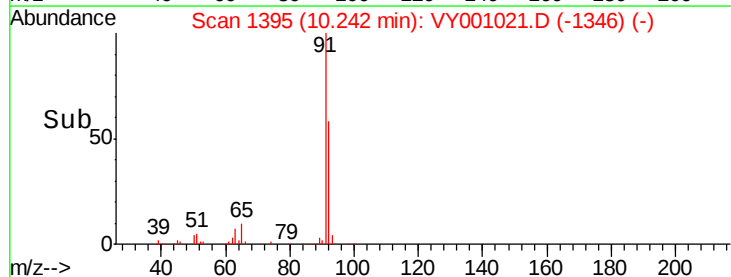
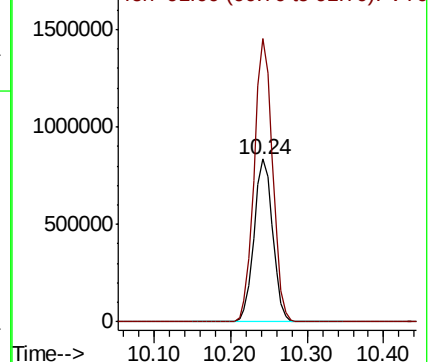
92 100

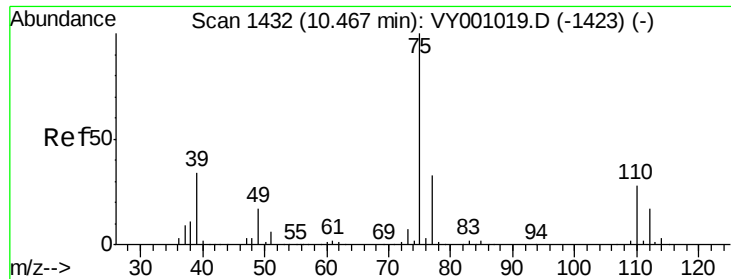
91 171.9 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY001021.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001021.D (-1383) (-)

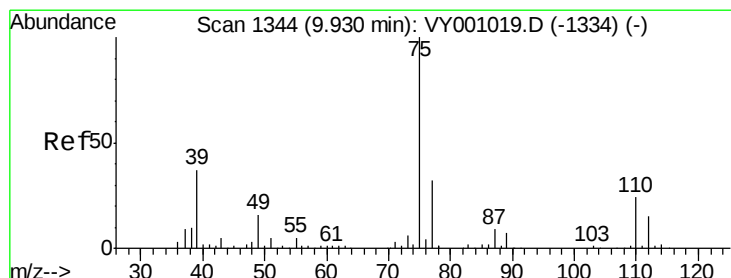
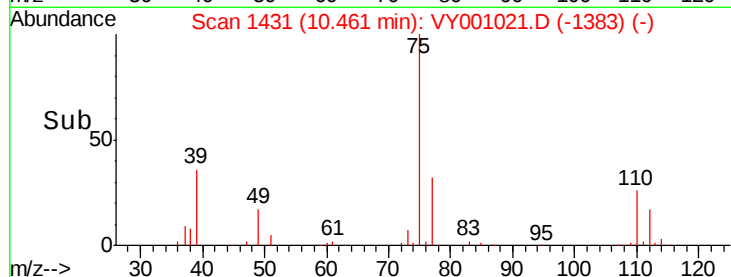
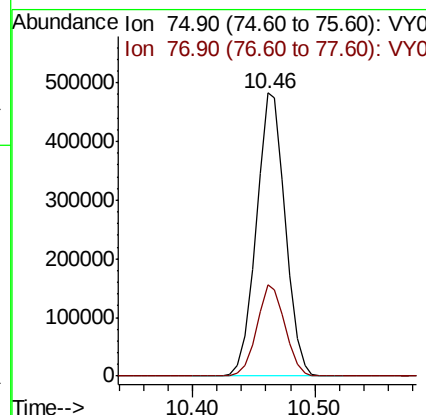
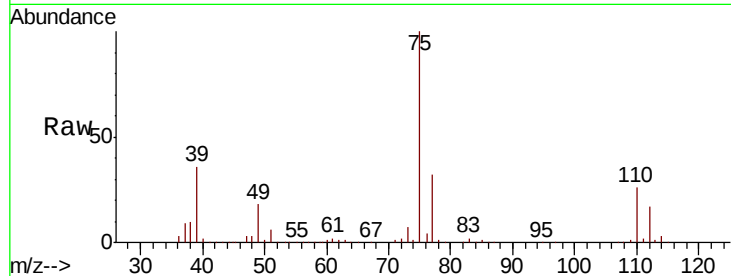




#53
t-1,3-Dichloropropene
Concen: 139.448 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

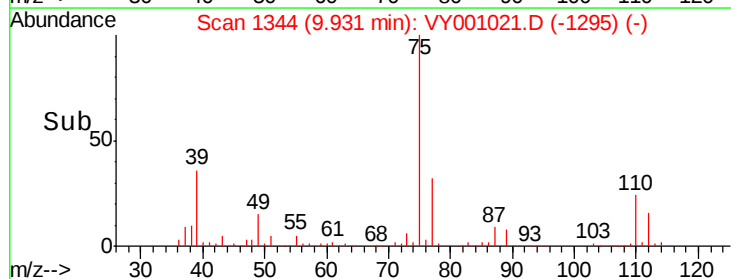
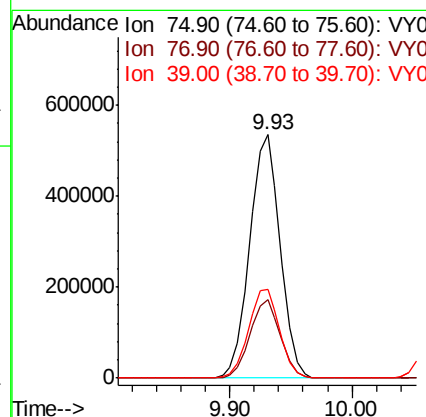
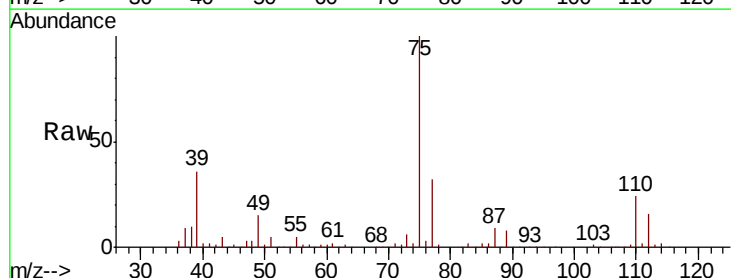
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC150

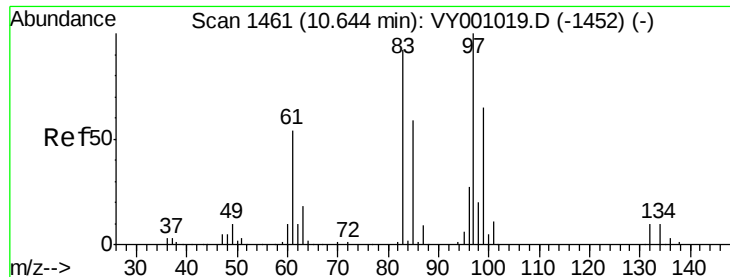
Tot Ion: 75 Resp: 793719
Ion Ratio Lower Upper
75 100
77 32.3 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 134.245 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 75 Resp: 924206
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
39 36.4 29.5 44.3

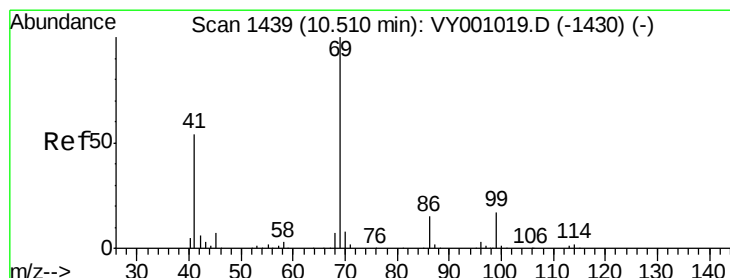
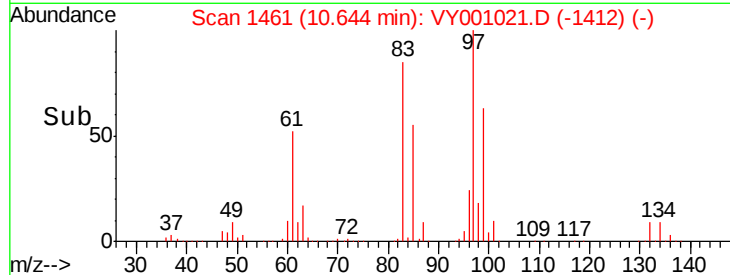
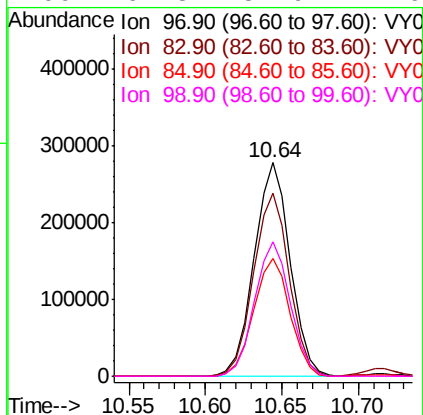
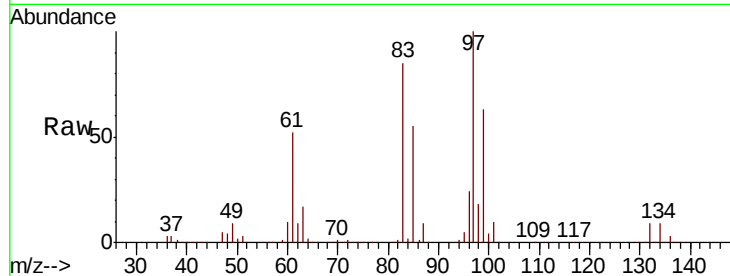




#55
 1,1,2-Trichloroethane
 Concen: 132.710 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

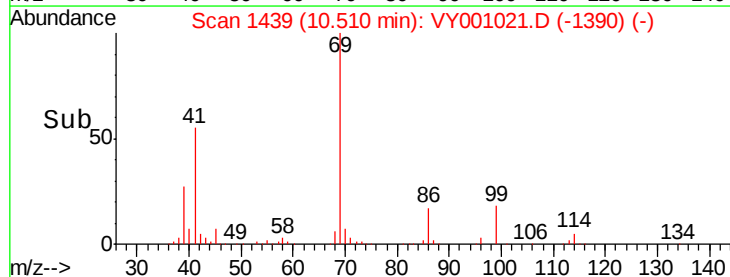
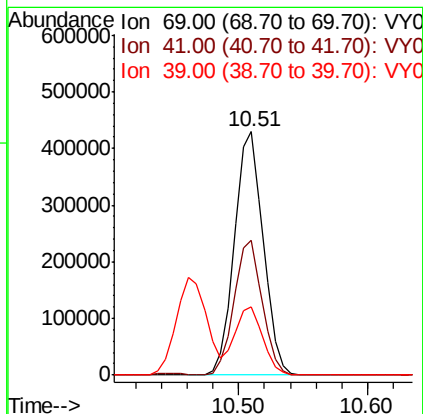
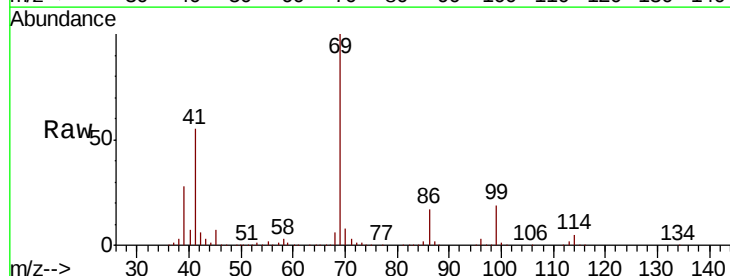
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

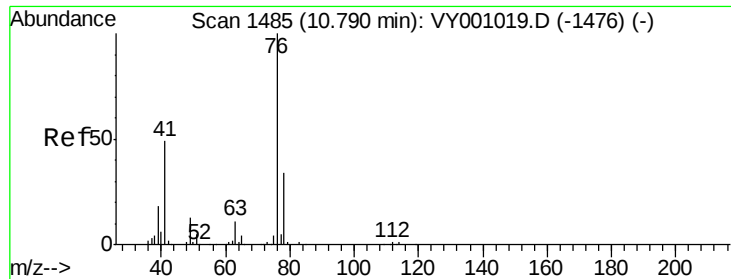
Tot Ion: 97 Resp: 452000
 Ion Ratio Lower Upper
 97 100
 83 85.5 73.7 110.5
 85 55.2 47.3 70.9
 99 62.8 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 138.549 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 69 Resp: 667190
 Ion Ratio Lower Upper
 69 100
 41 54.1 44.7 67.1
 39 27.6 22.2 33.4

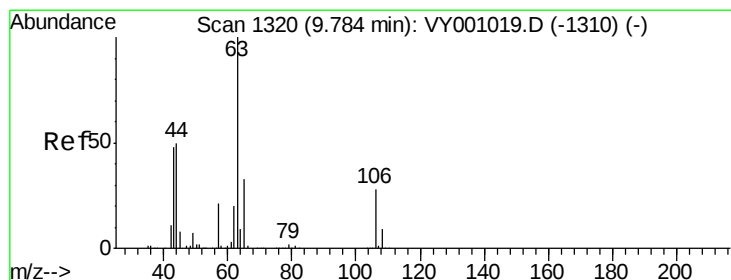
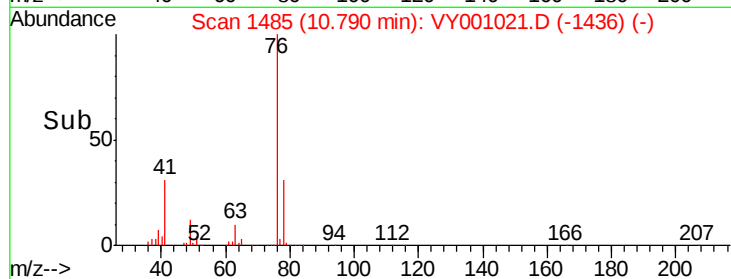
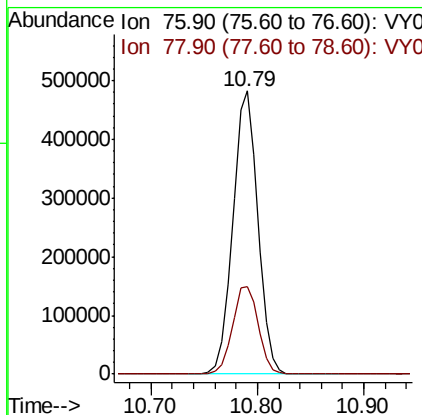
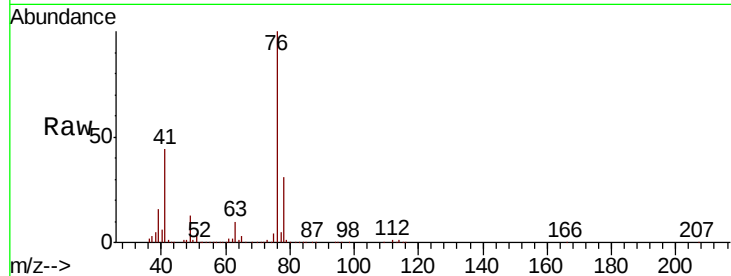




#57
 1,3-Dichloropropane
 Concen: 132.288 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

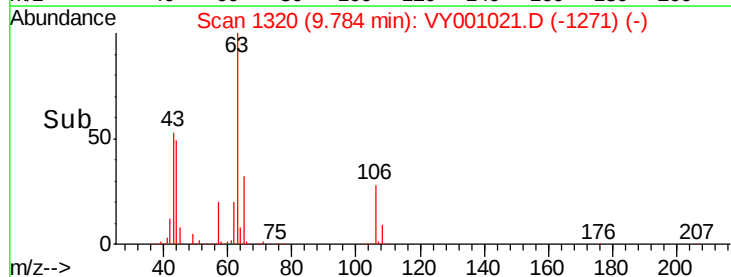
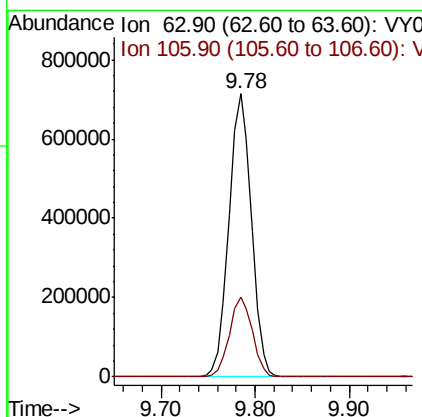
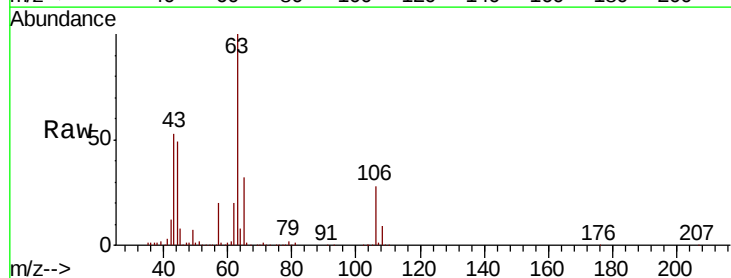
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

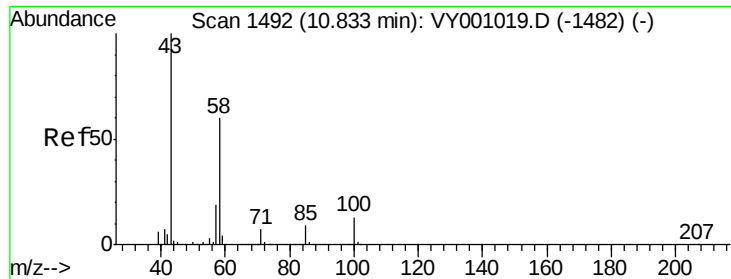
Tot Ion: 76 Resp: 790129
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 625.514 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 63 Resp: 1181299
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.7 34.1

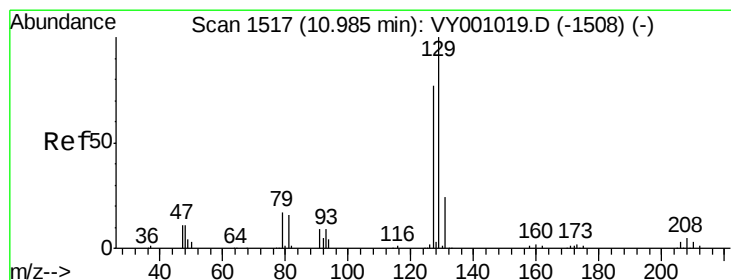
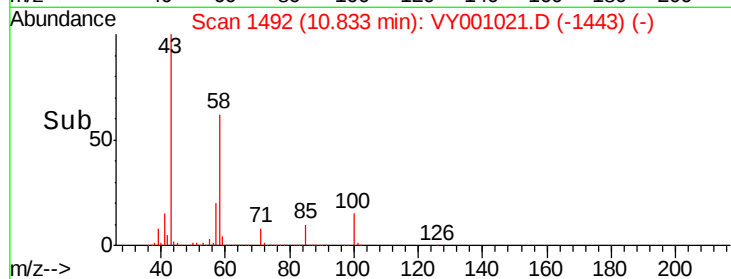
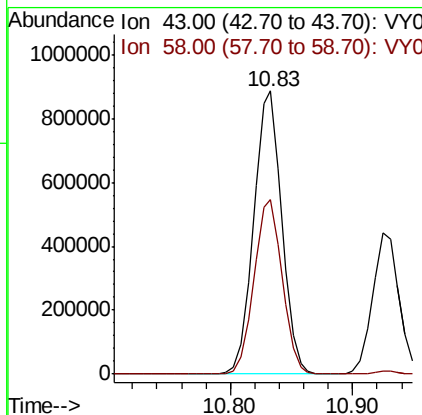
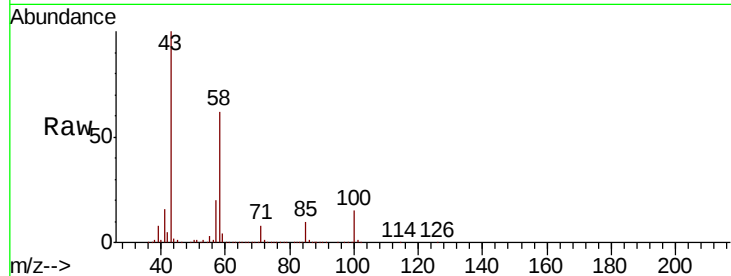




#59
2-Hexanone
Concen: 653.322 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

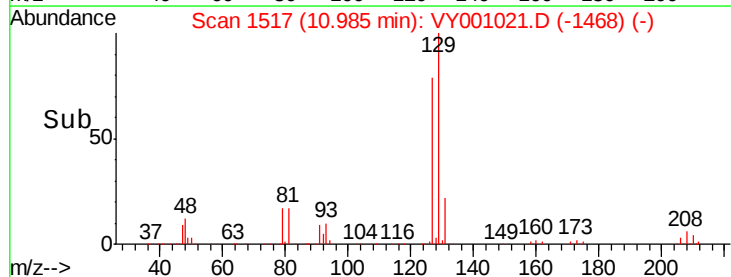
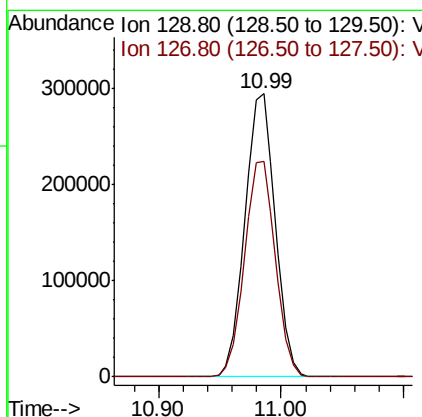
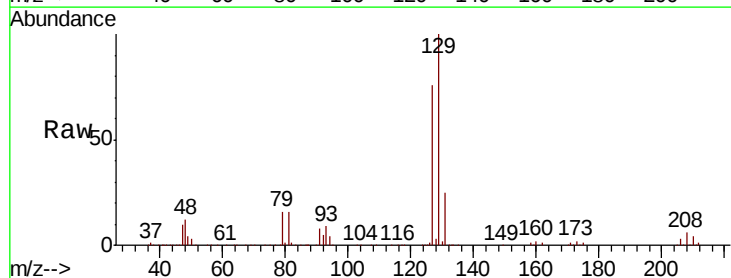
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

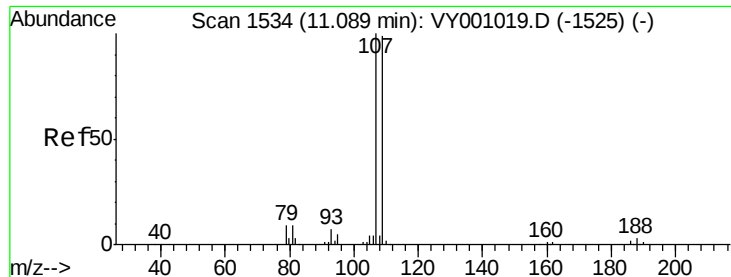
Tot Ion: 43 Resp: 1415589
Ion Ratio Lower Upper
43 100
58 61.9 30.6 91.6



#60
Dibromochloromethane
Concen: 140.985 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 129 Resp: 508154
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3

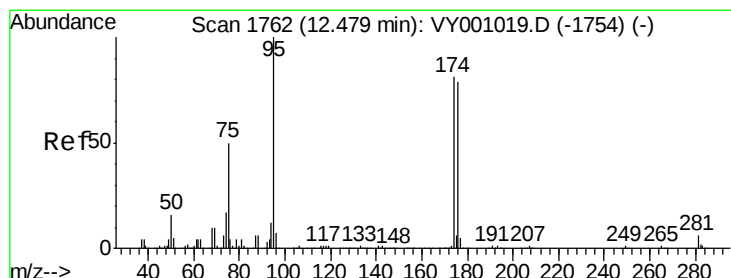
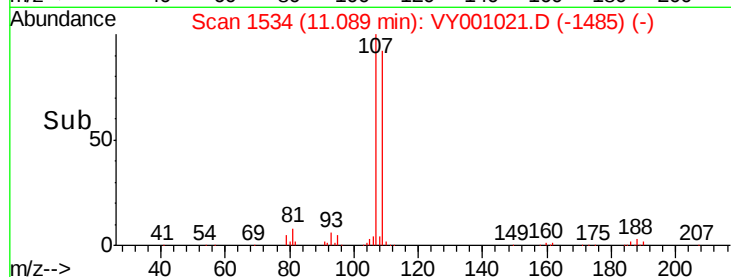
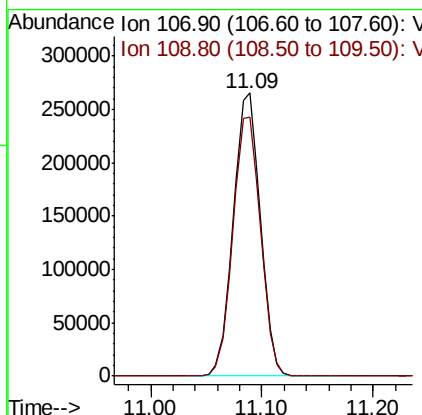
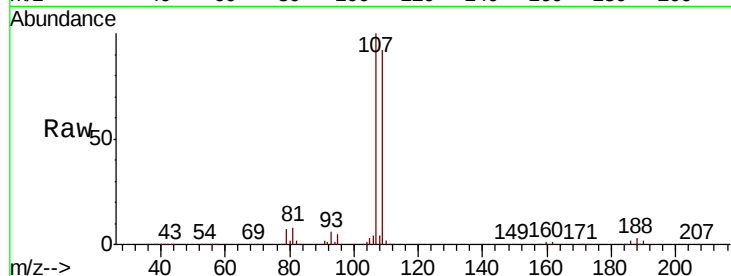




#61
 1,2-Dibromoethane
 Concen: 137.511 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

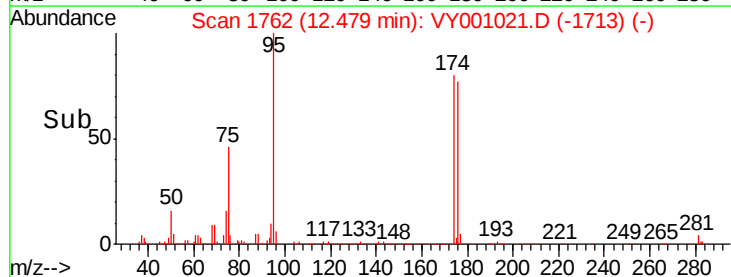
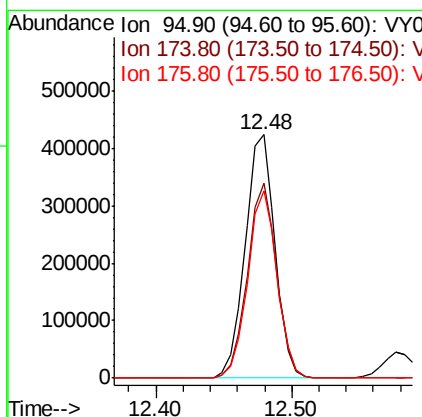
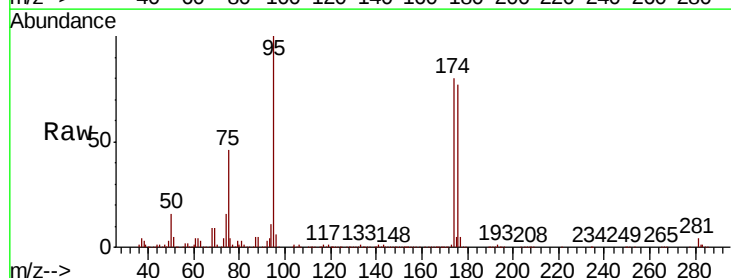
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

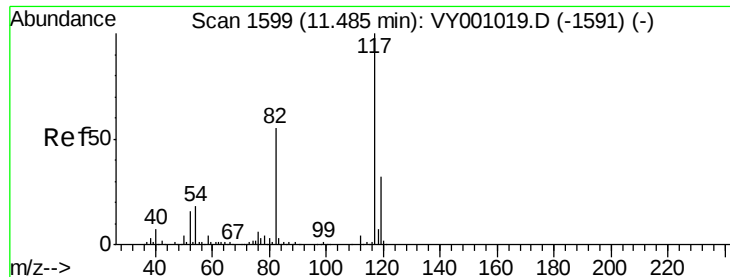
Tot Ion:107 Resp: 445443
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 124.563 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion: 95 Resp: 648408
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 156.4
 176 75.5 0.0 155.0

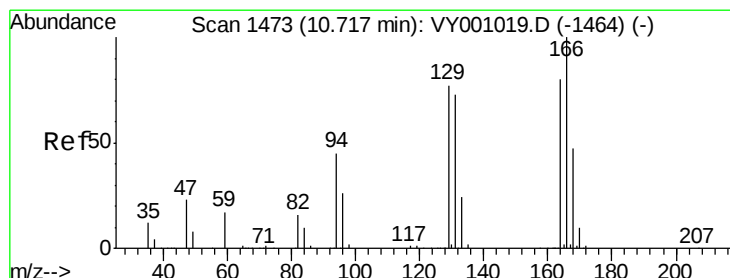
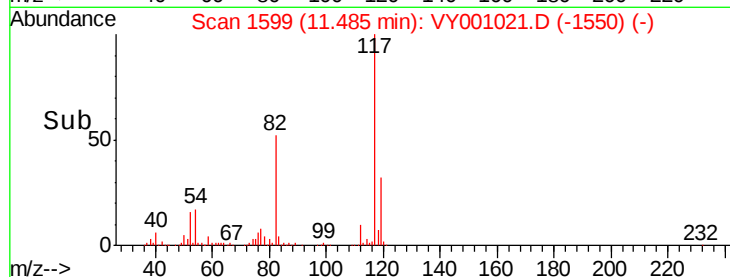
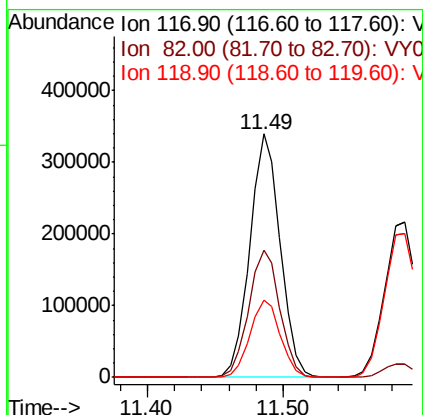
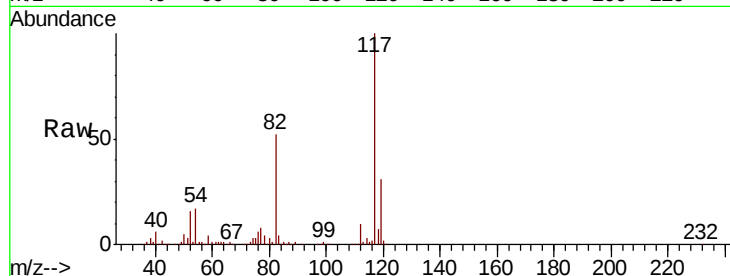




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

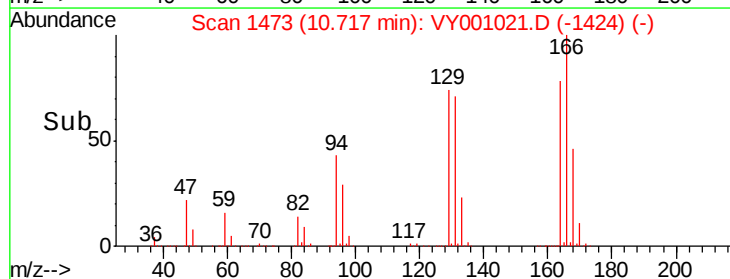
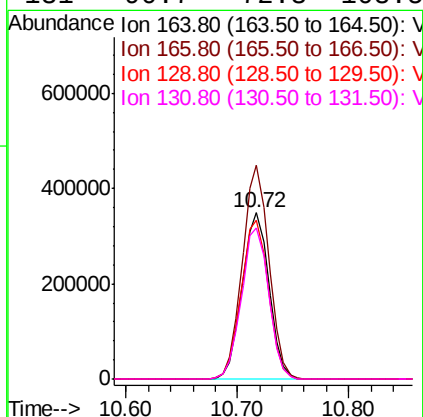
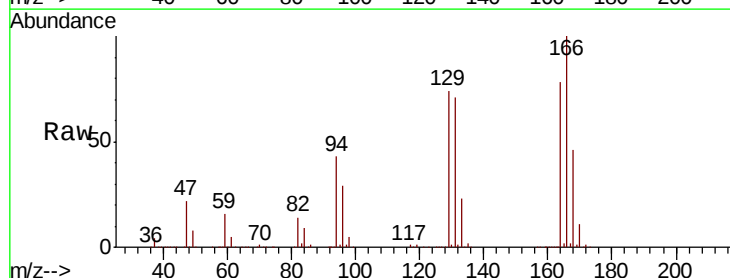
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

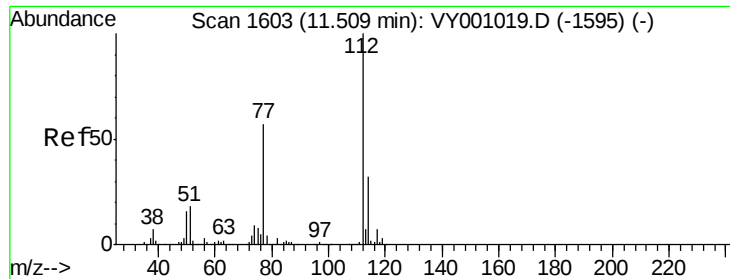
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.8	65.8
119	31.5	25.8	38.6



#64
Tetrachloroethene
Concen: 123.659 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	99.7	149.5
129	95.4	76.9	115.3
131	90.7	72.3	108.5

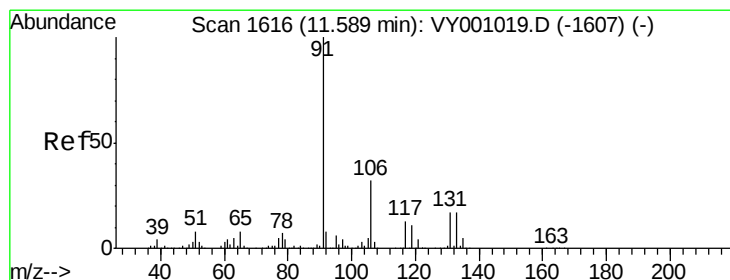
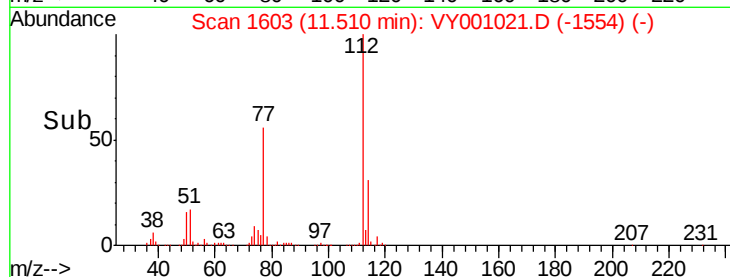
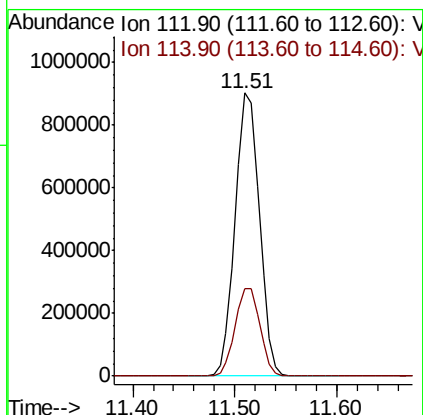
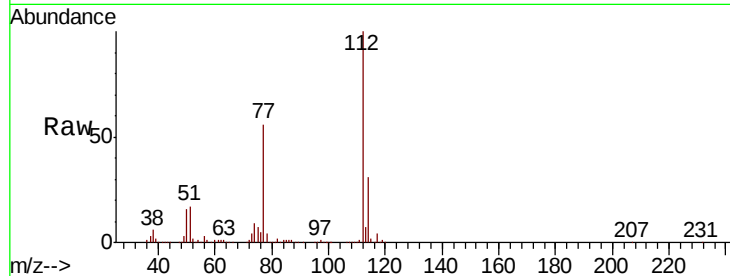




#65
Chlorobenzene
Concen: 131.807 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

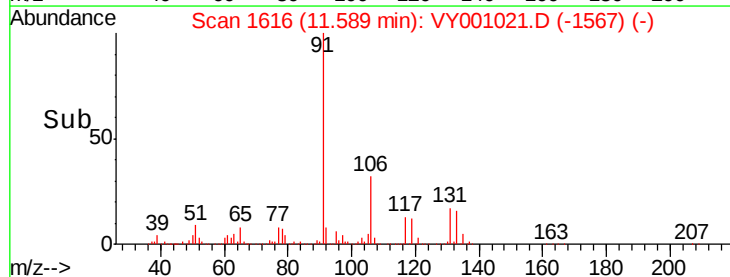
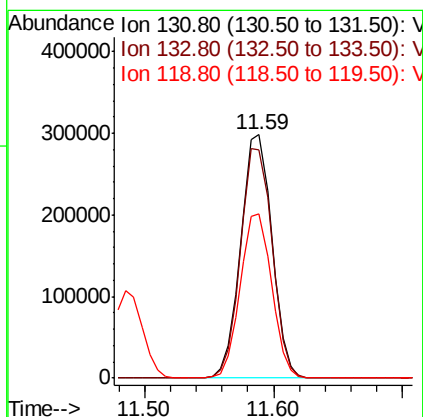
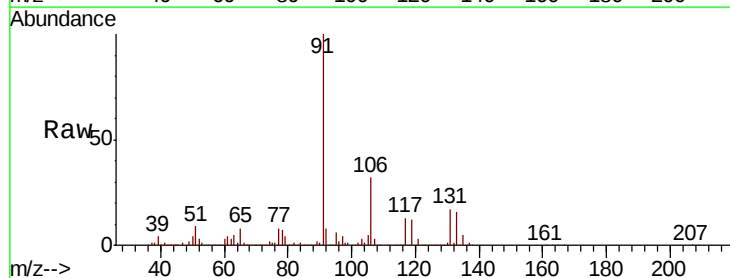
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

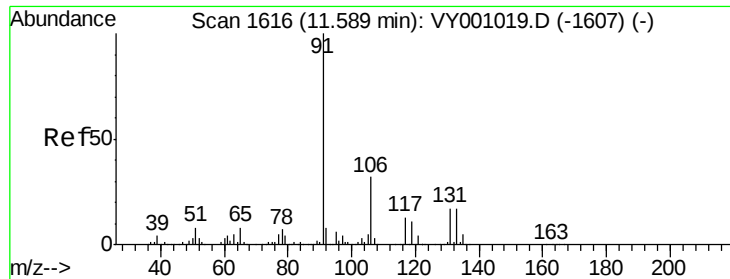
Tot Ion:112 Resp: 1483415
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 135.276 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion:131 Resp: 500448
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 67.8 34.0 101.8





#67

Ethyl Benzene

Concen: 131.488 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

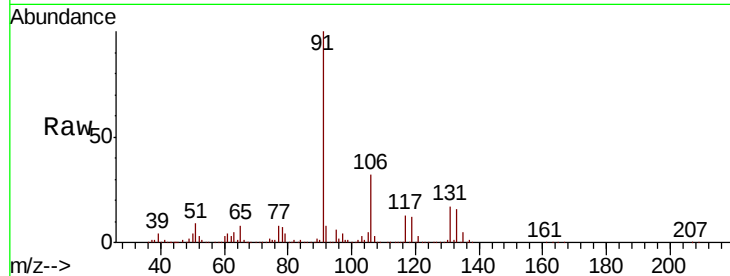
VSTDIC150

Tot Ion: 91 Resp: 2662672

Ion Ratio Lower Upper

91 100

106 32.3 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1607) (-)

Ion 106.00 (105.70 to 106.70): VY001019.D (-1607) (-)

2500000

2000000

1500000

1000000

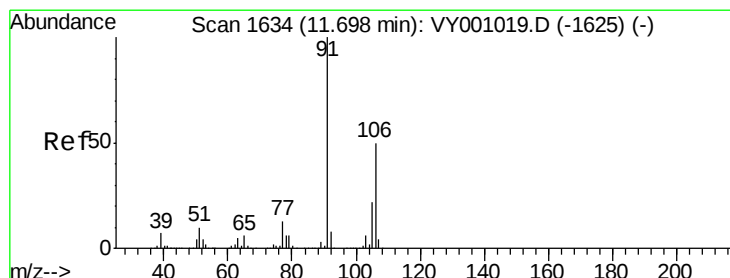
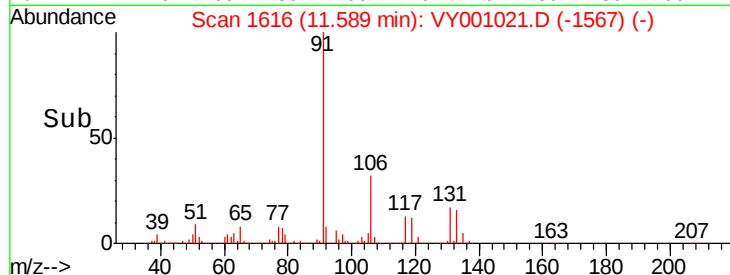
500000

0

11.59

11.60

Time-->



#68

m/p-Xylenes

Concen: 262.241 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001021.D

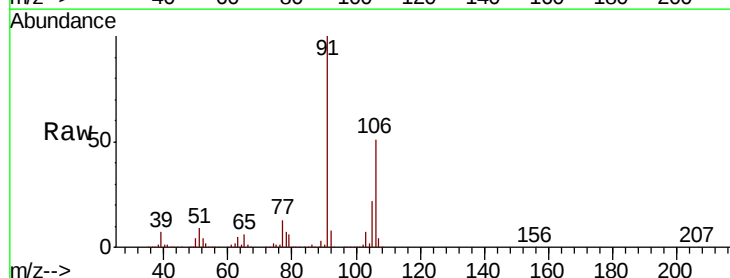
Acq: 23 Dec 2019 11:49

Tgt Ion:106 Resp: 2017199

Ion Ratio Lower Upper

106 100

91 195.9 156.4 234.6



Abundance Ion 106.00 (105.70 to 106.70): VY001019.D (-1625) (-)

Ion 91.00 (90.70 to 91.70): VY001019.D (-1625) (-)

2500000

2000000

1500000

1000000

500000

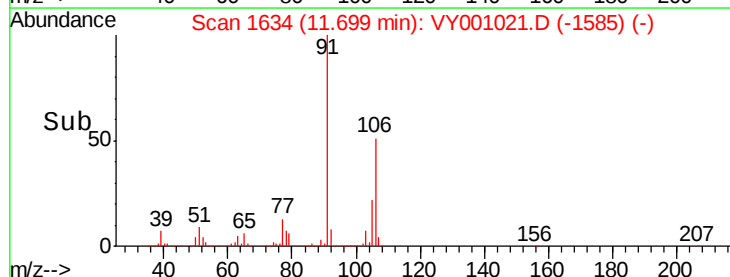
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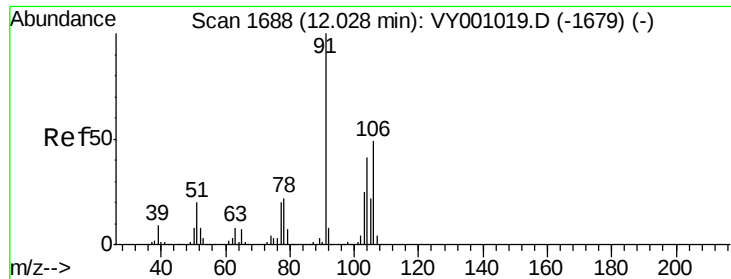
11.60

11.70

11.80

Time-->

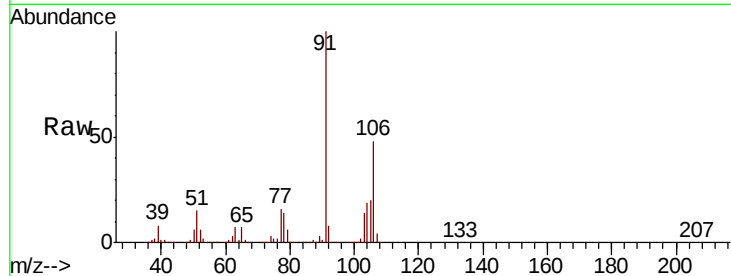




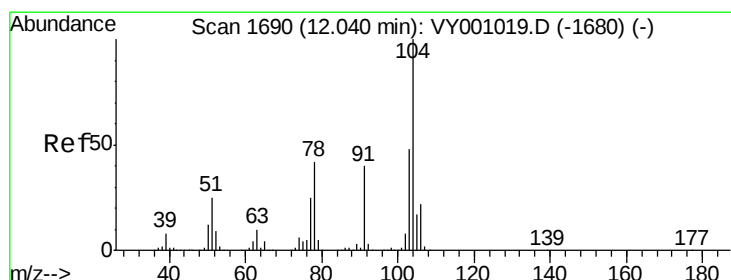
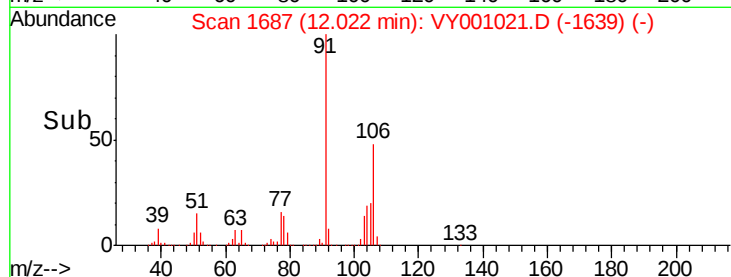
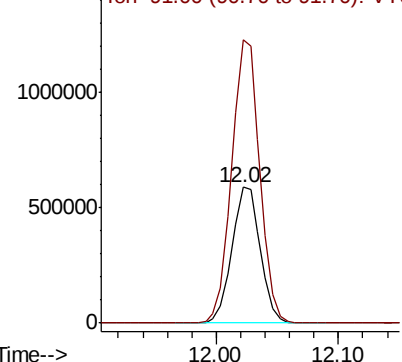
#69
o-Xylene
Concen: 130.496 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 945012
Ion Ratio Lower Upper
106 100
91 206.6 103.0 309.0

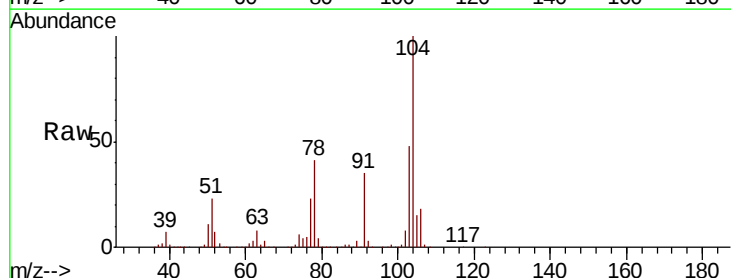


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

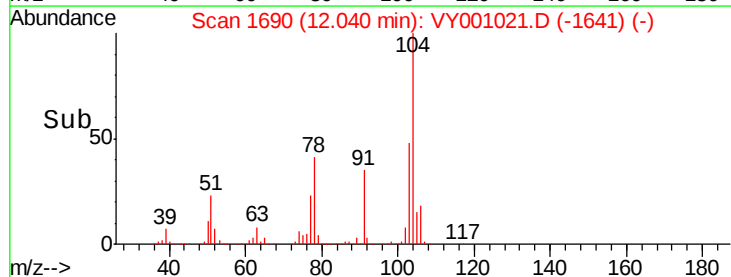
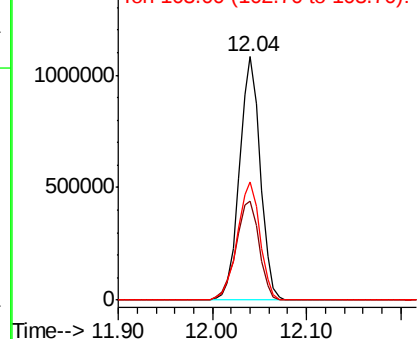


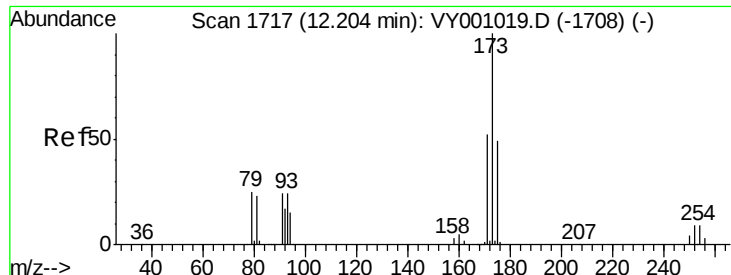
#70
Styrene
Concen: 134.113 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion:104 Resp: 1644632
Ion Ratio Lower Upper
104 100
78 45.8 36.6 54.8
103 53.2 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 146.798 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

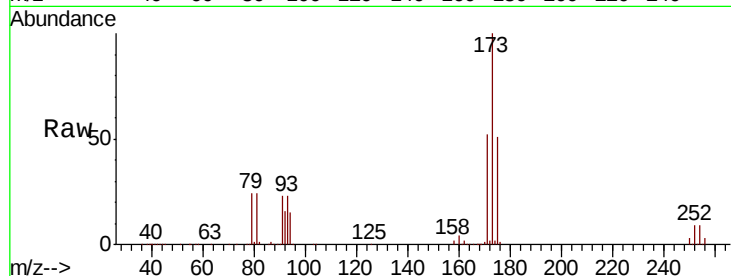
Tot Ion:173 Resp: 298504

Ion Ratio Lower Upper

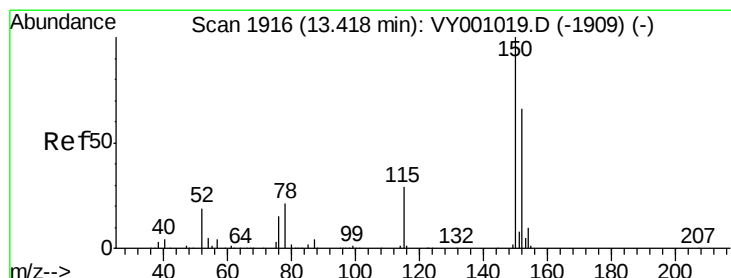
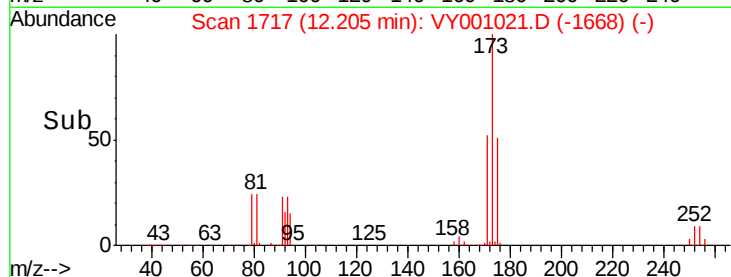
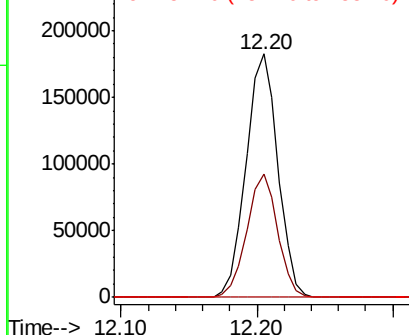
173 100

175 49.1 24.5 73.5

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

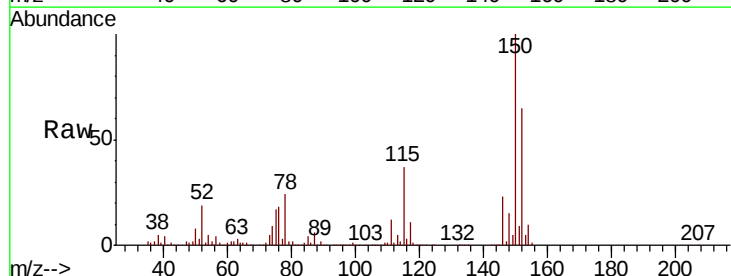
Tgt Ion:152 Resp: 233625

Ion Ratio Lower Upper

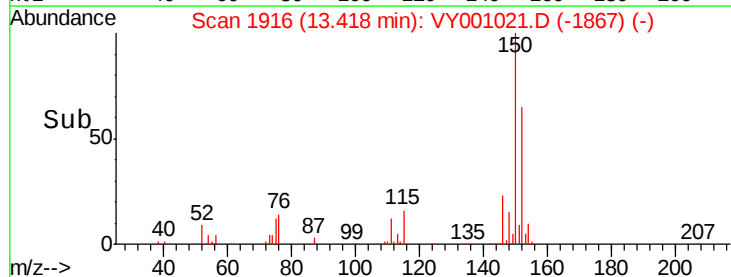
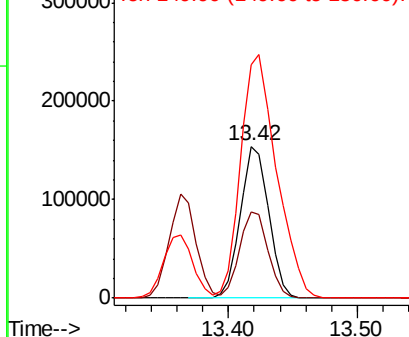
152 100

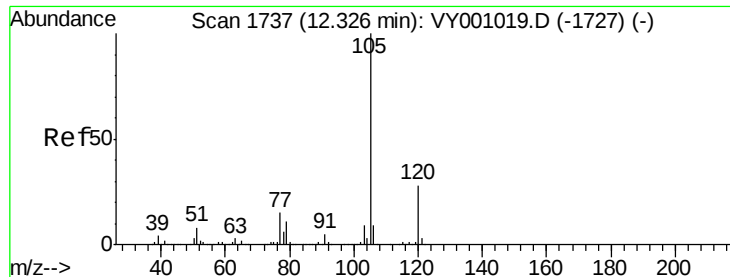
115 57.3 29.8 89.3

150 203.3 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 136.079 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

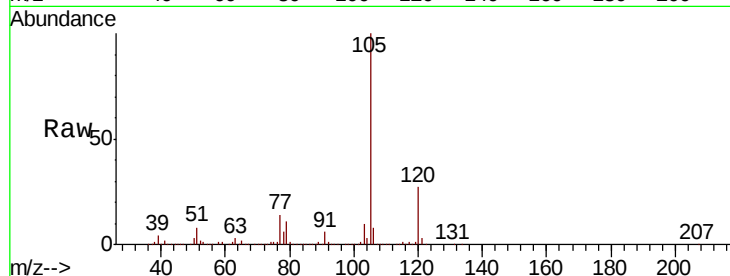
VSTDIC150

Tot Ion:105 Resp: 2498816

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

1500000

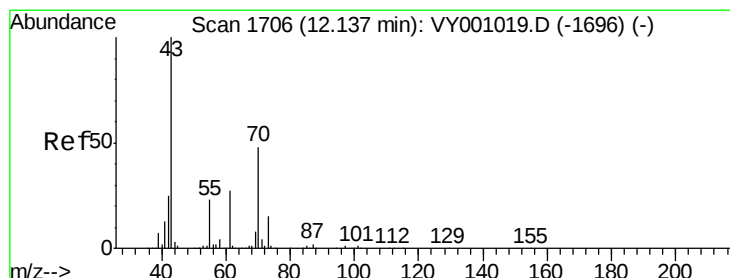
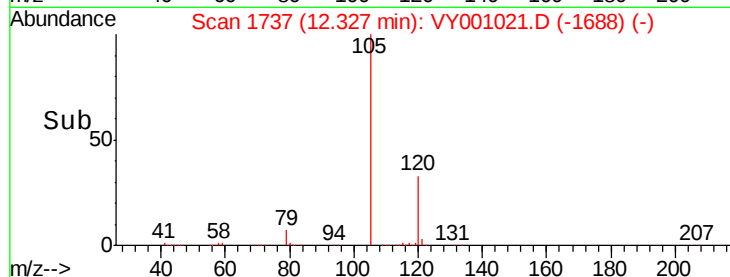
1000000

500000

0

Time-->

12.30 12.40



#74

N-ethyl acetate

Concen: 137.572 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Tgt Ion: 43 Resp: 662550

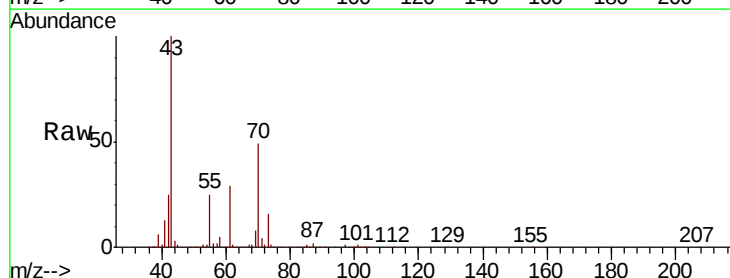
Ion Ratio Lower Upper

43 100

70 49.2 39.0 58.6

55 24.4 19.5 29.3

61 28.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

600000

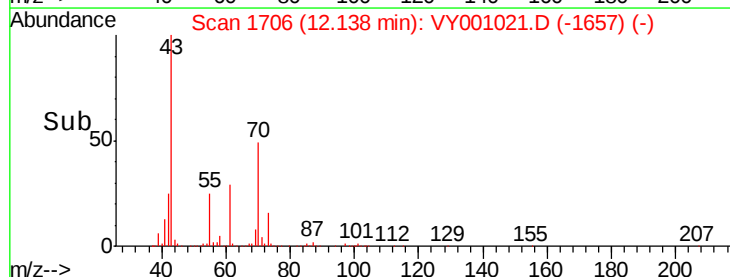
400000

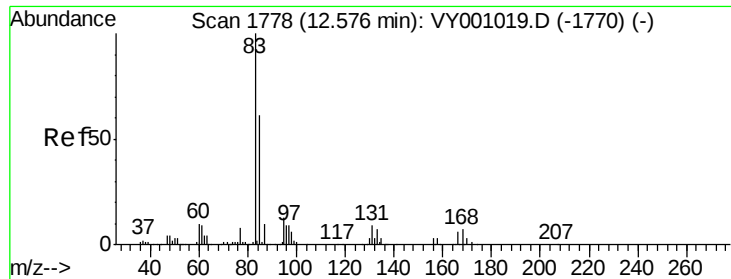
200000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 140.841 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

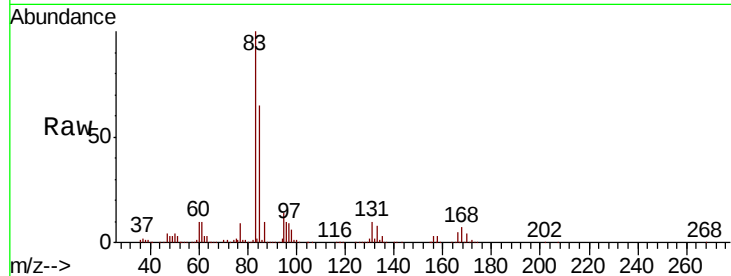
Tot Ion: 83 Resp: 506771

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

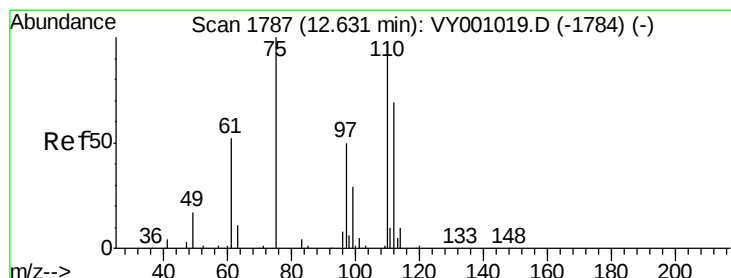
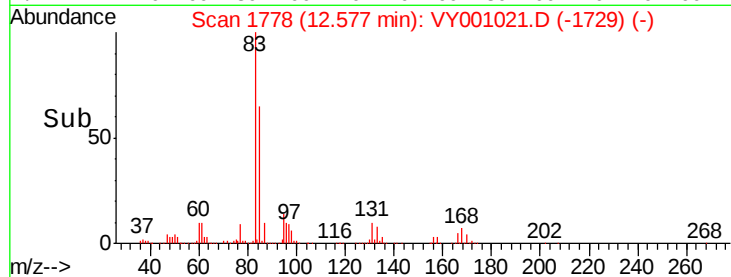
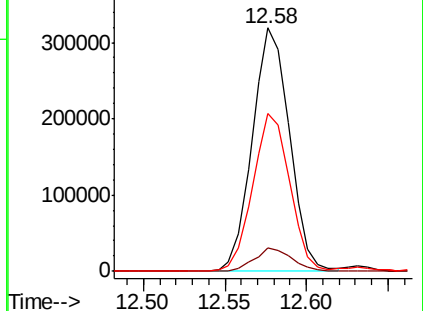
85 64.4 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY001021.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY001021.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY001021.D (-1770) (-)



#76

1,2,3-Trichloropropane

Concen: 228.183 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001021.D

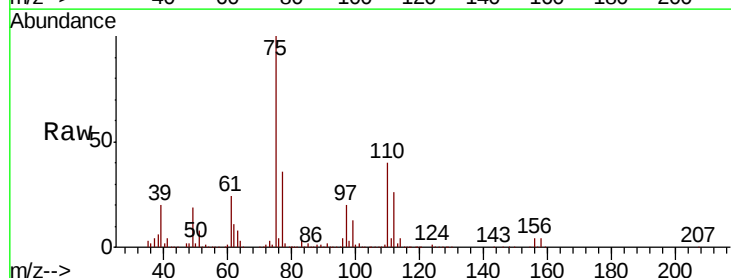
Acq: 23 Dec 2019 11:49

Tgt Ion: 75 Resp: 690054

Ion Ratio Lower Upper

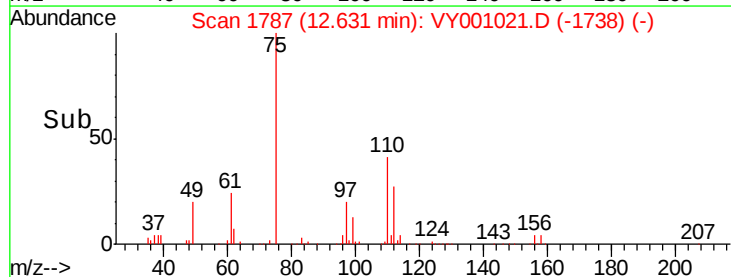
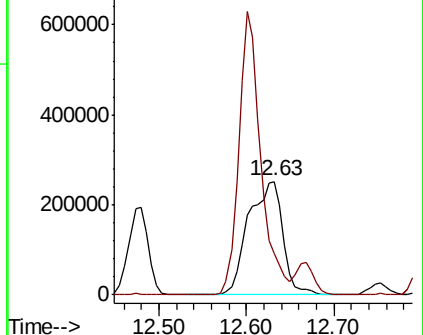
75 100

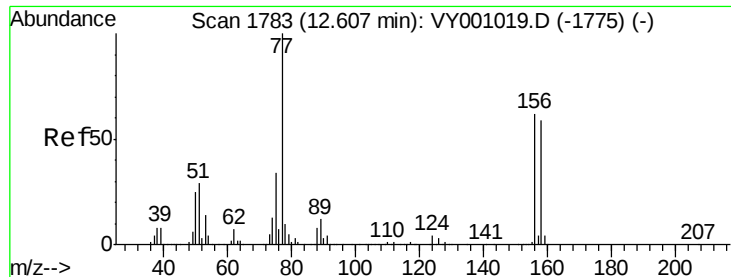
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001021.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY001021.D (-1738) (-)





#77

Bromobenzene

Concen: 133.755 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

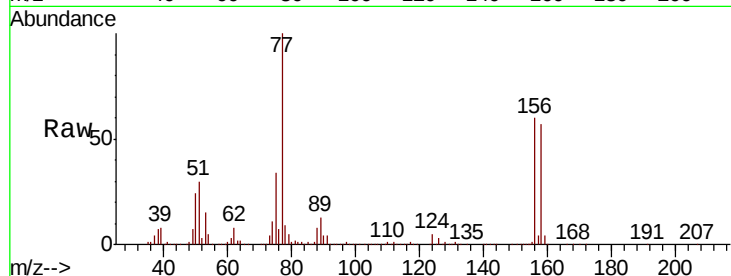
Tot Ion:156 Resp: 553850

Ion Ratio Lower Upper

156 100

77 199.4 98.0 294.1

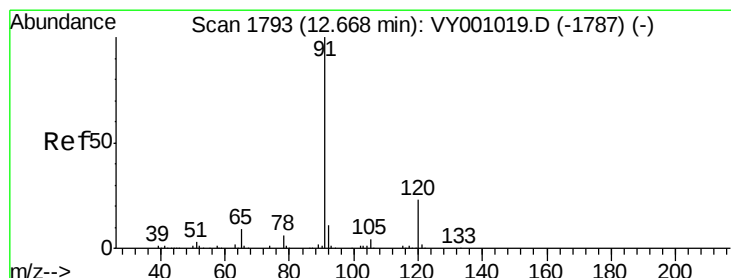
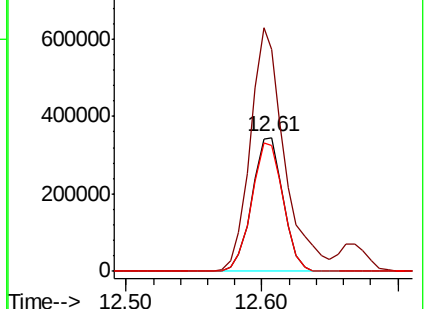
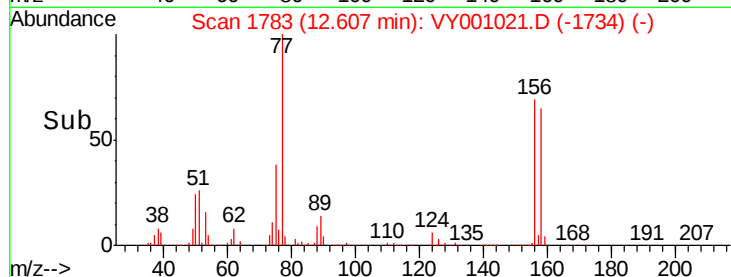
158 97.5 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 135.877 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001021.D

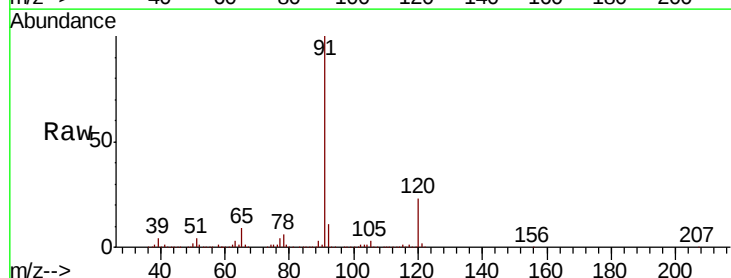
Acq: 23 Dec 2019 11:49

Tgt Ion: 91 Resp: 3040997

Ion Ratio Lower Upper

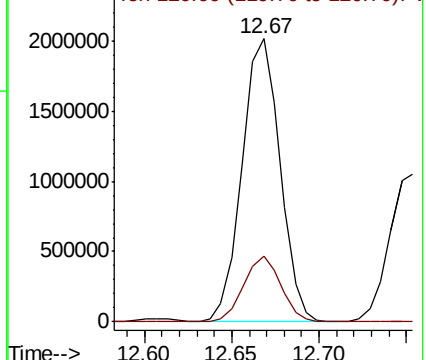
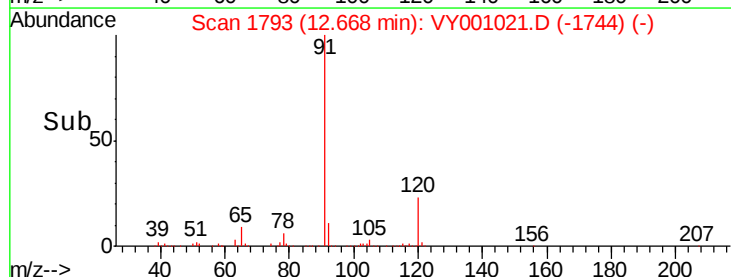
91 100

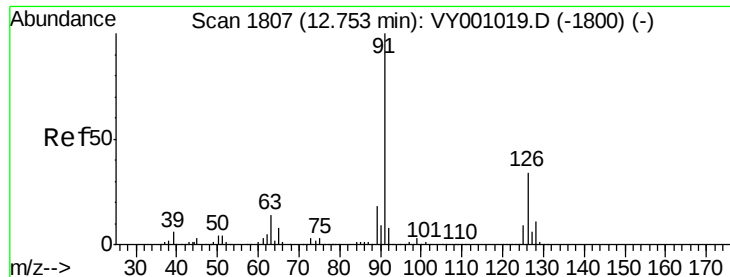
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 132.693 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

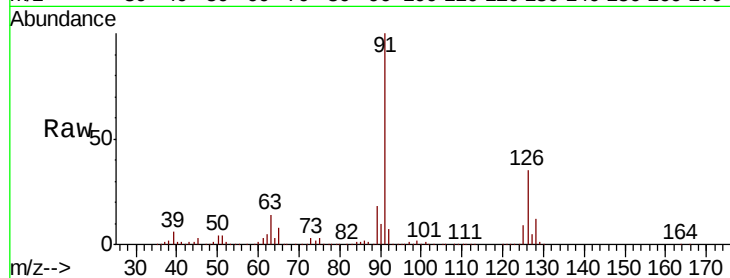
VSTDIC150

Tot Ion: 91 Resp: 1645942

Ion Ratio Lower Upper

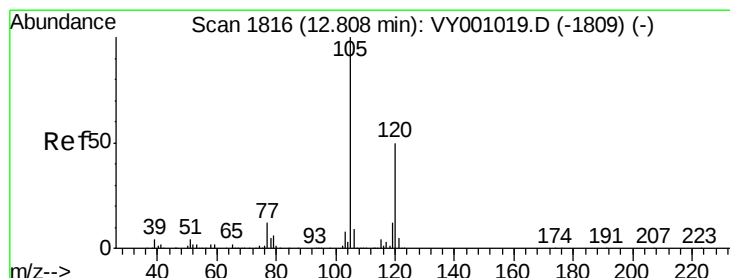
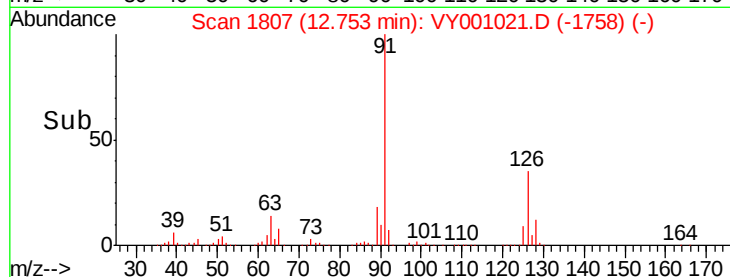
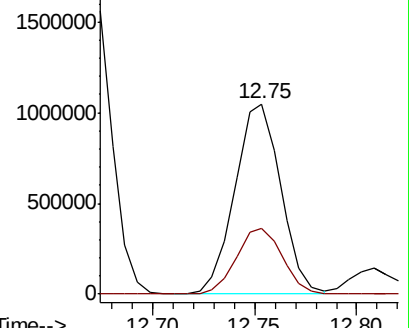
91 100

126 34.8 17.3 51.7



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

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



#80

1,3,5-Trimethylbenzene

Concen: 134.557 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001021.D

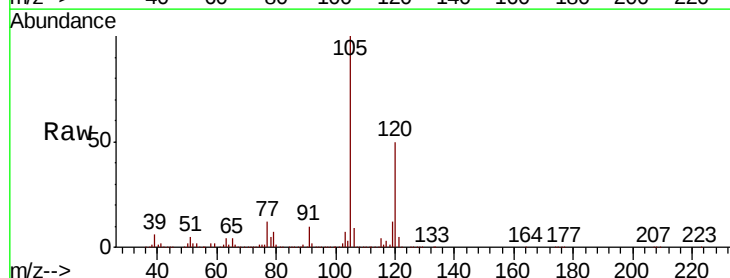
Acq: 23 Dec 2019 11:49

Tgt Ion:105 Resp: 2028844

Ion Ratio Lower Upper

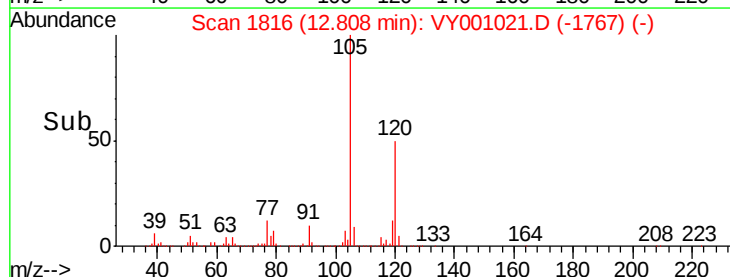
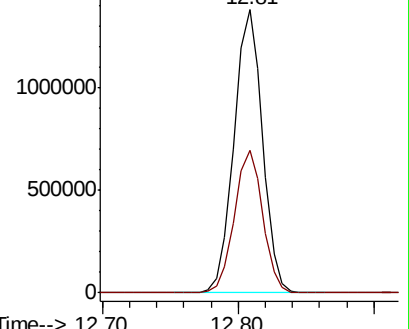
105 100

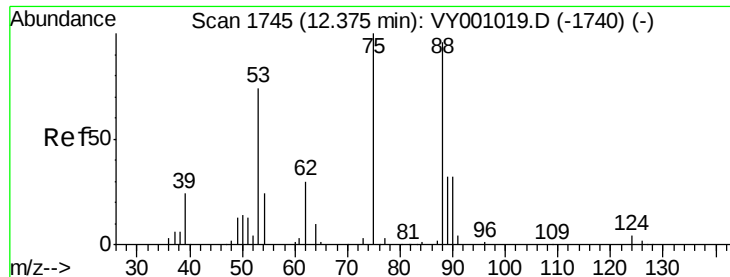
120 50.3 25.1 75.4



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 152.554 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

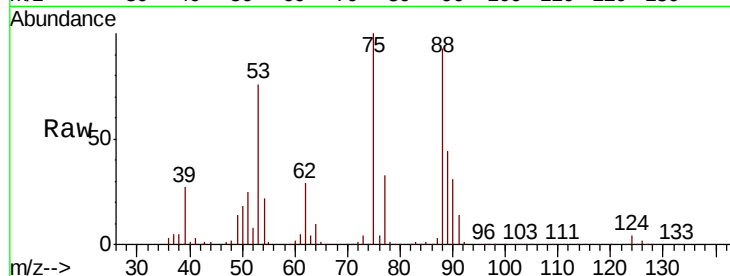
Tot Ion: 75 Resp: 205428

Ion Ratio Lower Upper

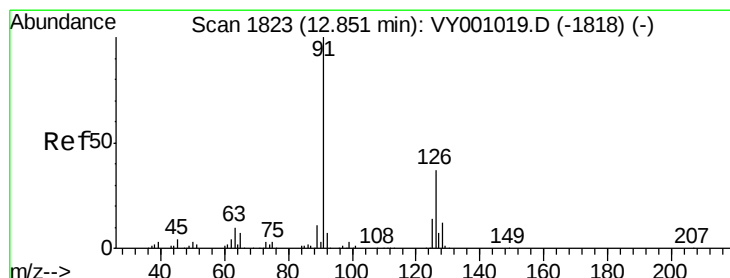
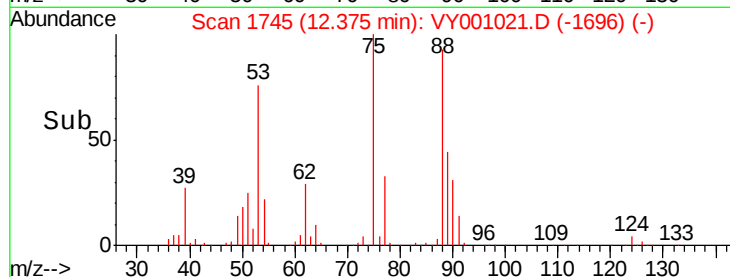
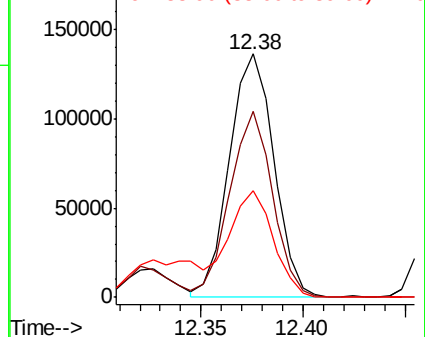
75 100

53 73.6 60.6 91.0

89 44.5 35.4 53.0



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: 133.827 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001021.D

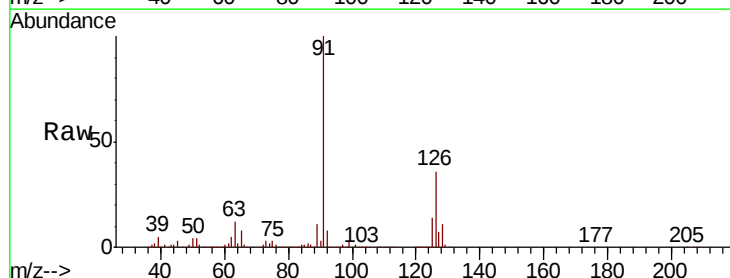
Acq: 23 Dec 2019 11:49

Tgt Ion: 91 Resp: 1721989

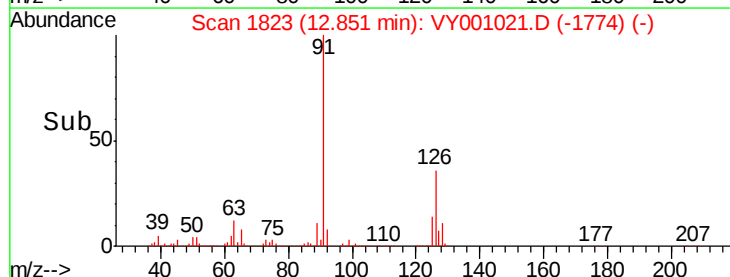
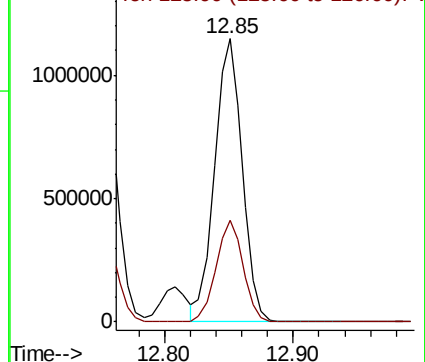
Ion Ratio Lower Upper

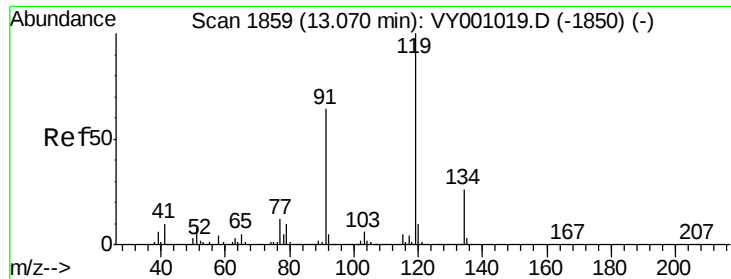
91 100

126 35.4 17.6 52.8



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

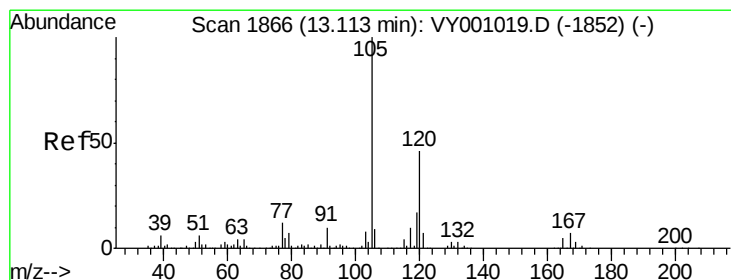
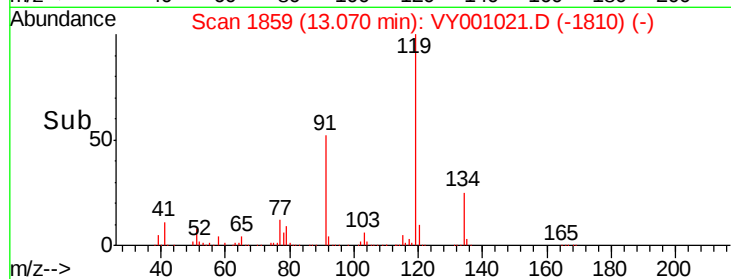
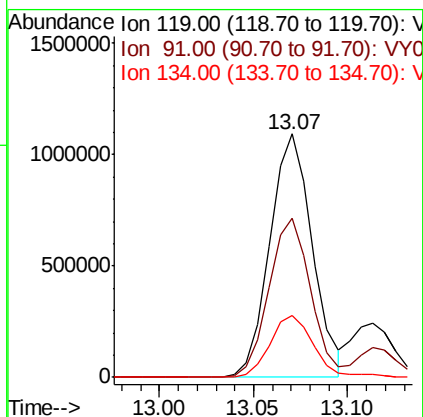
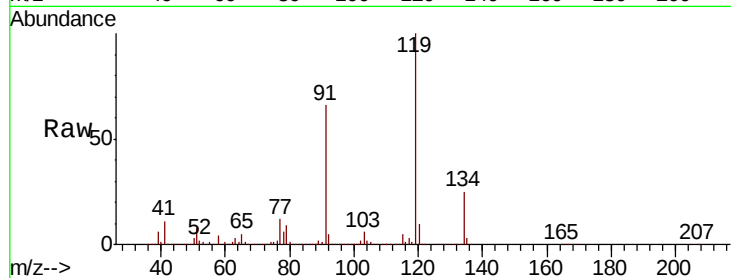




#83
tert-Butylbenzene
Concen: 134.848 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

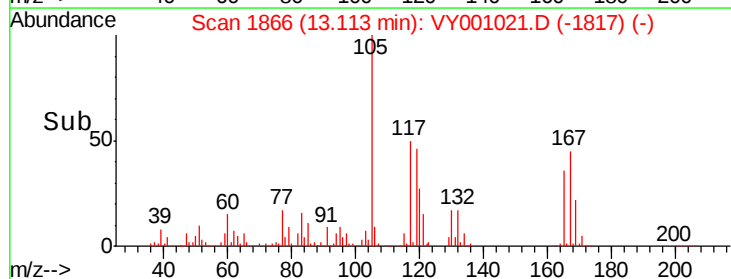
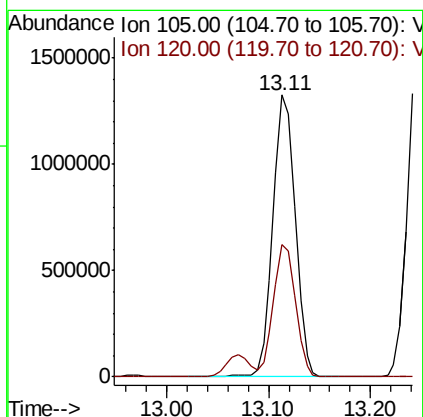
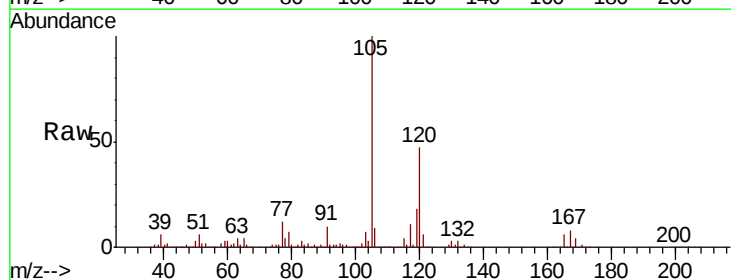
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

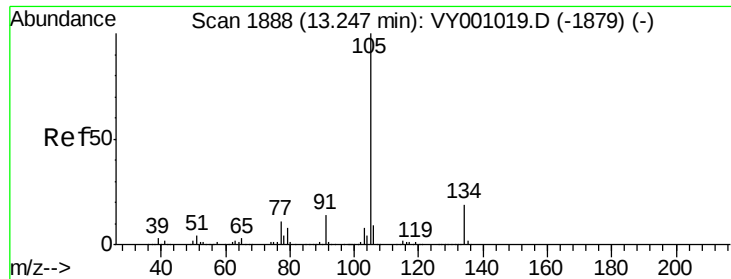
Tot Ion:119 Resp: 1706200
Ion Ratio Lower Upper
119 100
91 64.0 31.9 95.7
134 26.4 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 132.054 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion:105 Resp: 2006508
Ion Ratio Lower Upper
105 100
120 46.5 23.4 70.2





#85

sec-Butylbenzene

Concen: 133.545 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

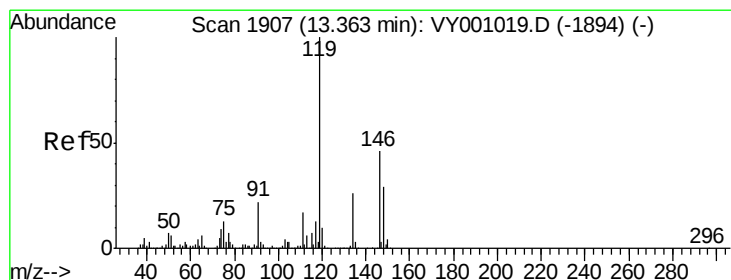
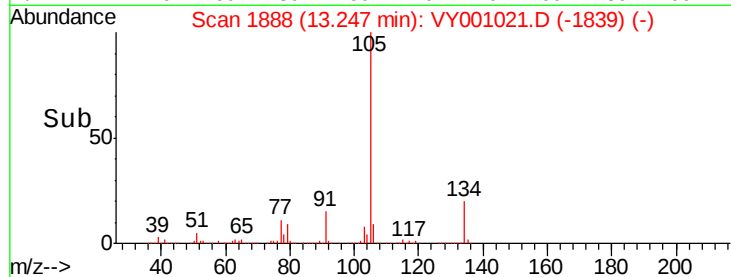
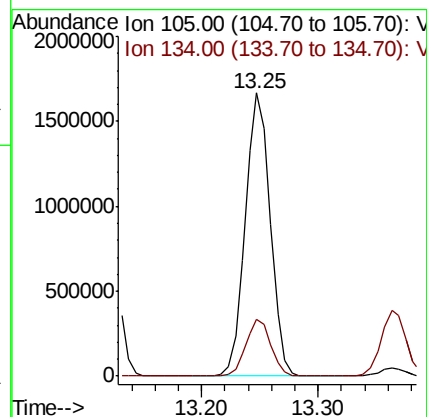
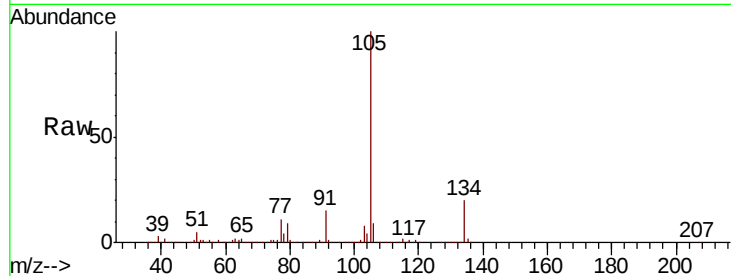
VSTDIC150

Tot Ion:105 Resp: 2494706

Ion Ratio Lower Upper

105 100

134 20.1 10.0 30.0



#86

p-Isopropyltoluene

Concen: 129.977 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

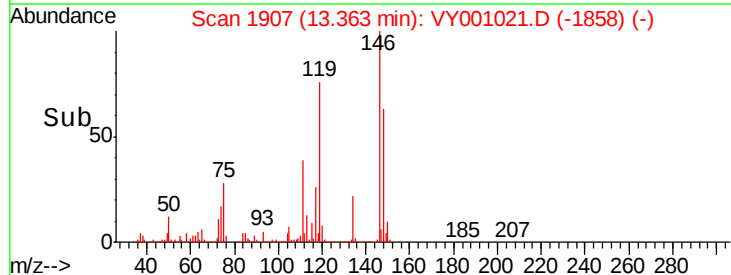
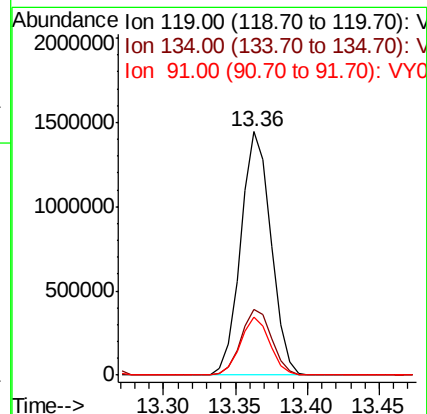
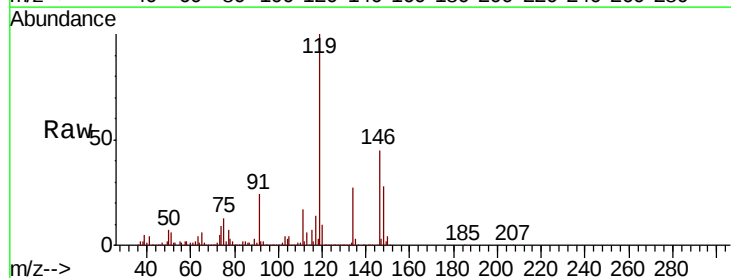
Tgt Ion:119 Resp: 2109480

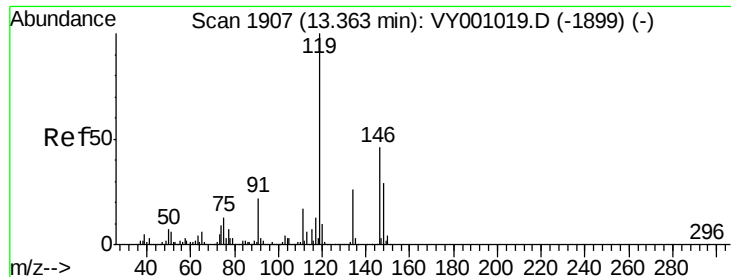
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 23.1 11.4 34.1

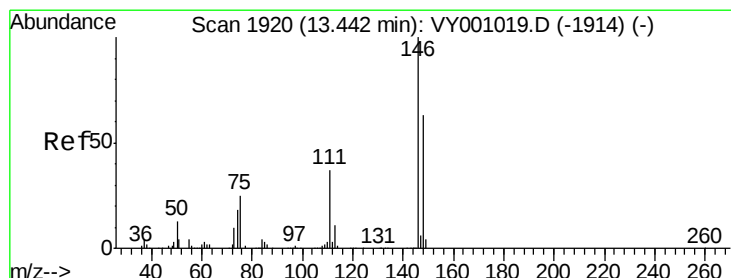
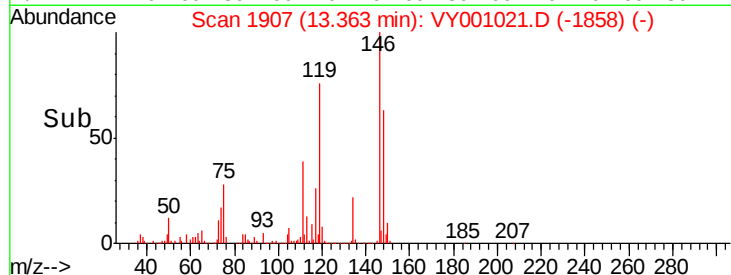
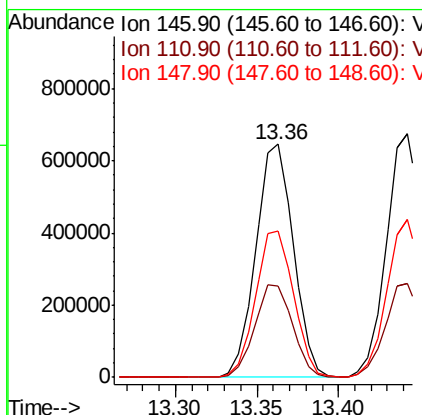
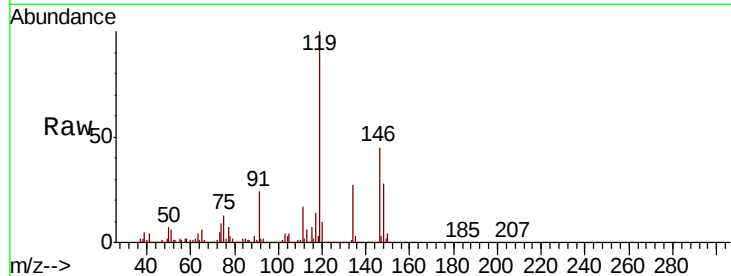




#87
 1,3-Dichlorobenzene
 Concen: 128.780 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

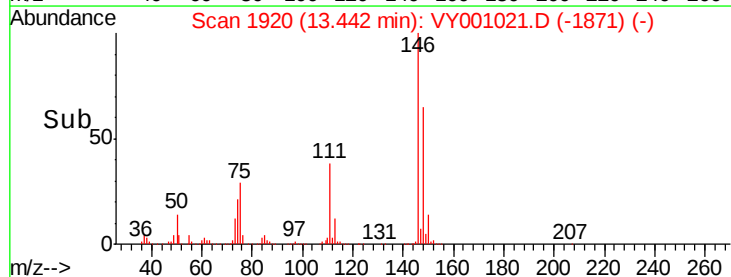
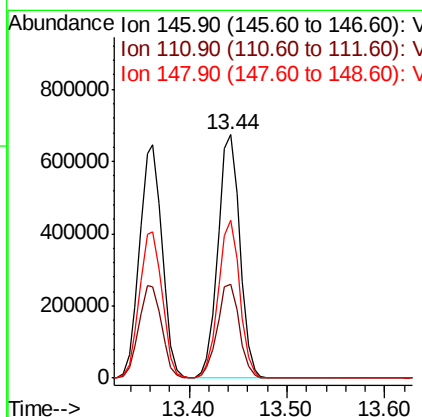
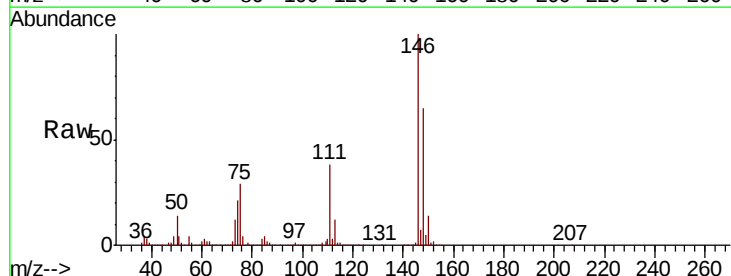
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

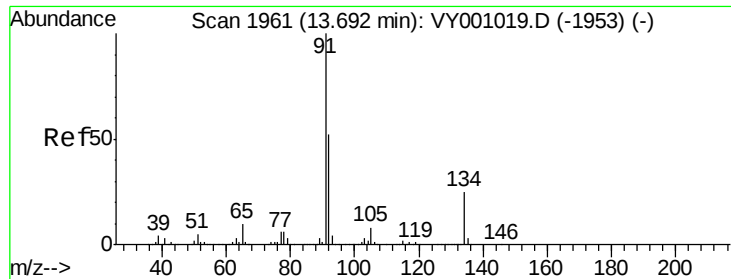
Tot Ion:146 Resp: 1029949
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.7 59.0
 148 63.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 130.046 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion:146 Resp: 1047696
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.2
 148 63.6 31.8 95.3

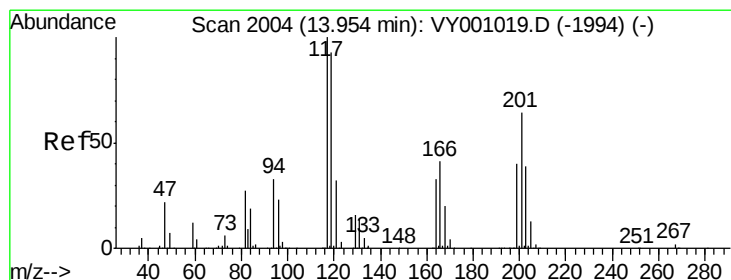
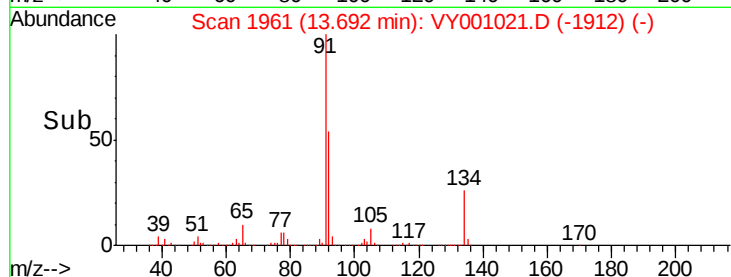
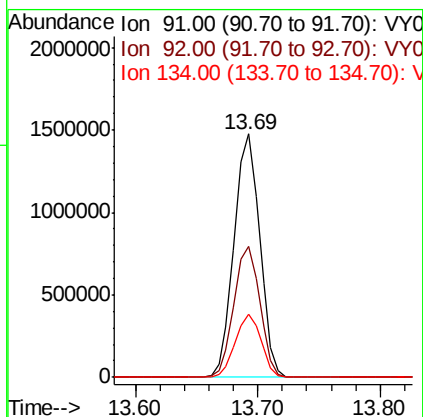
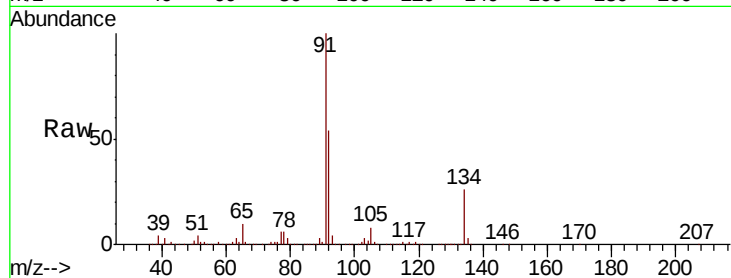




#89
n-Butylbenzene
Concen: 131.230 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

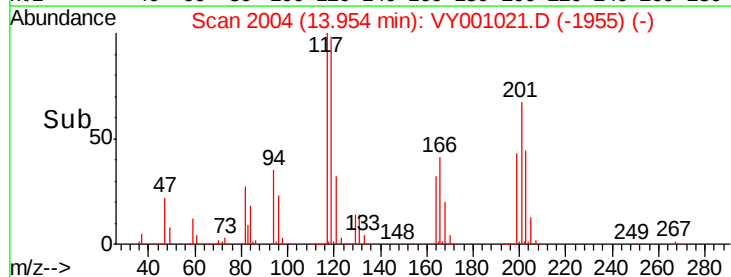
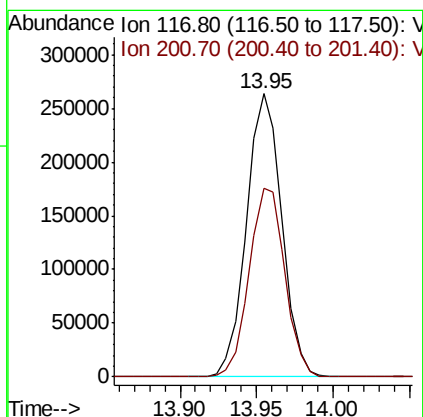
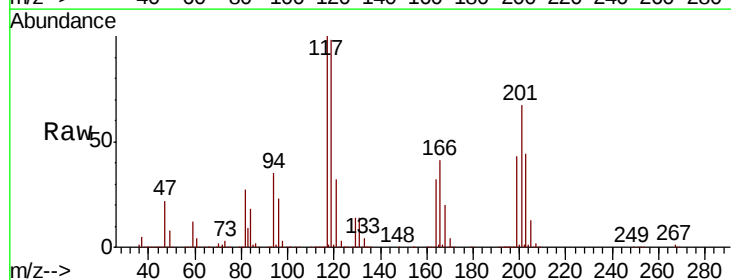
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

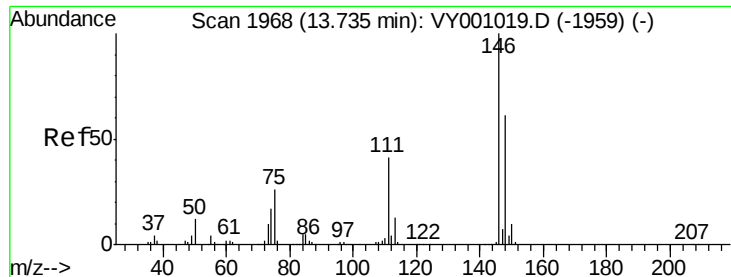
Tot Ion: 91 Resp: 2139775
Ion Ratio Lower Upper
91 100
92 54.3 26.9 80.7
134 25.8 12.7 38.0



#90
Hexachloroethane
Concen: 139.641 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion: 117 Resp: 422345
Ion Ratio Lower Upper
117 100
201 67.6 33.7 101.1





#91

1,2-Dichlorobenzene

Concen: 131.177 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

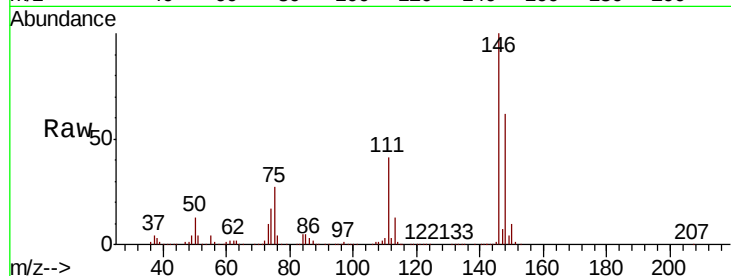
Tot Ion:146 Resp: 965125

Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.9

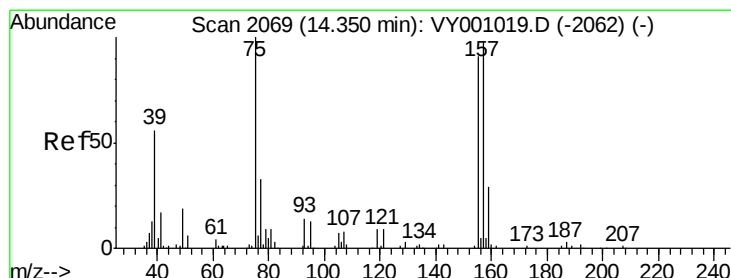
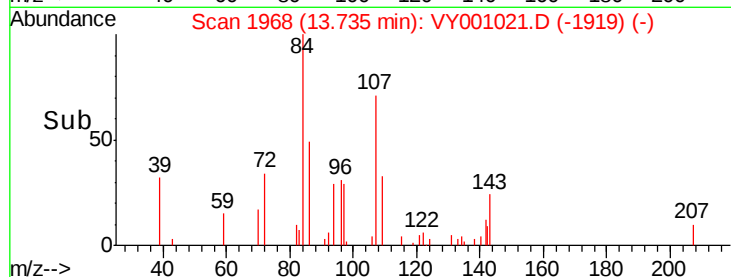
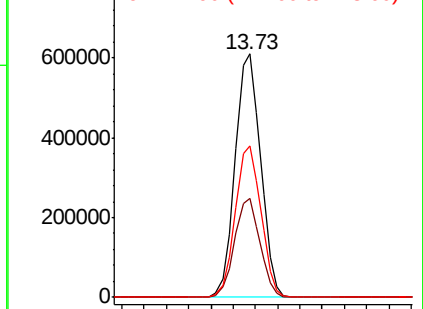
148 62.6 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 136.714 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY001021.D

Acq: 23 Dec 2019 11:49

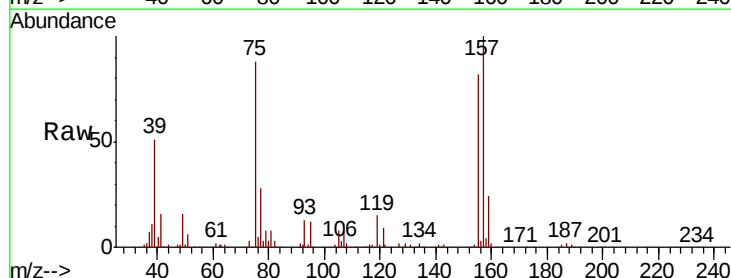
Tgt Ion: 75 Resp: 82685

Ion Ratio Lower Upper

75 100

155 93.4 46.3 138.9

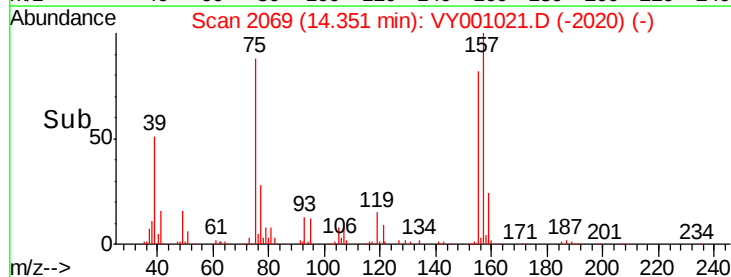
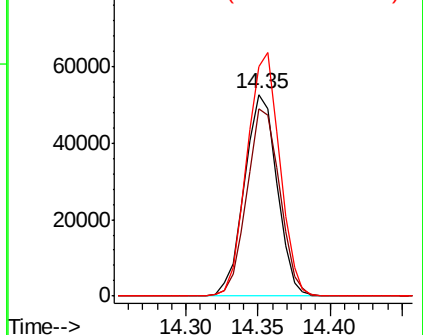
157 120.5 58.1 174.4

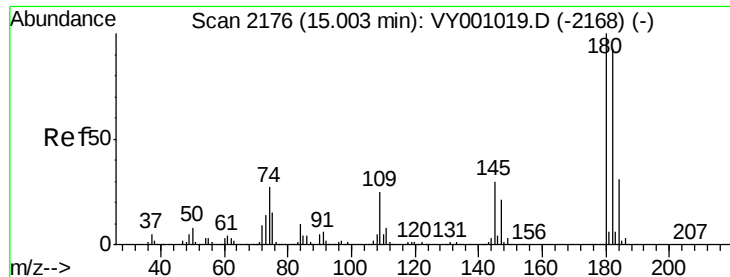


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

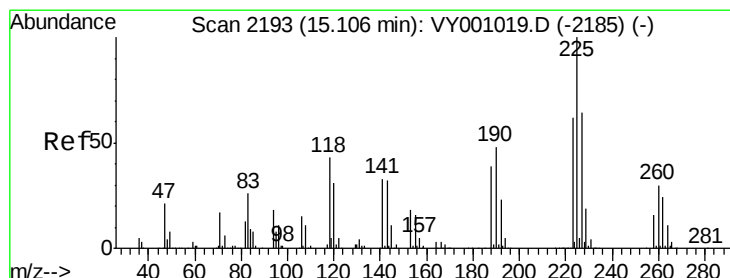
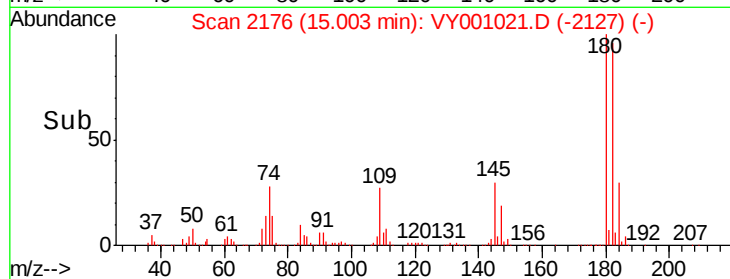
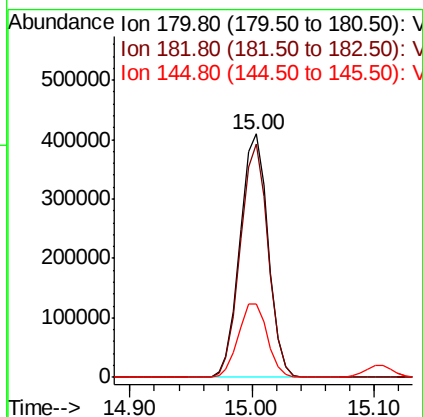
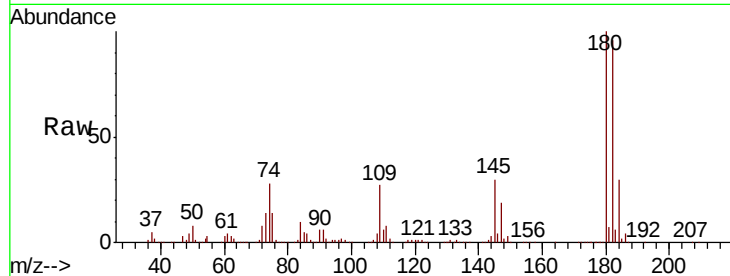




#93
 1,2,4-Trichlorobenzene
 Concen: 131.118 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

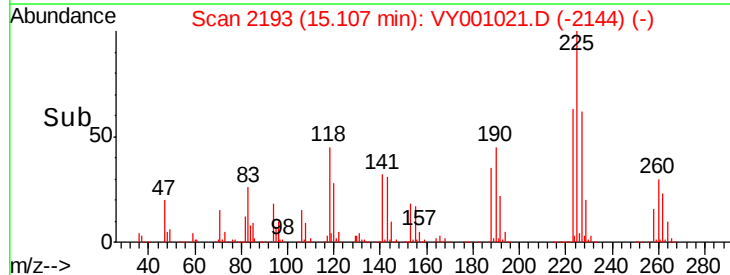
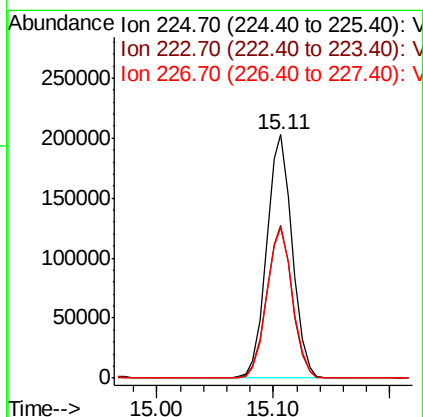
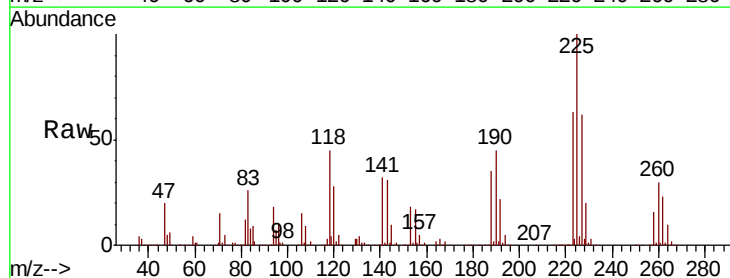
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

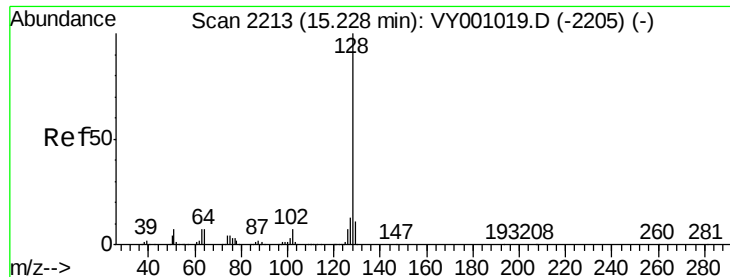
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.3
145	31.3	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 130.507 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001021.D
 Acq: 23 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	94.8
227	62.1	31.9	95.5

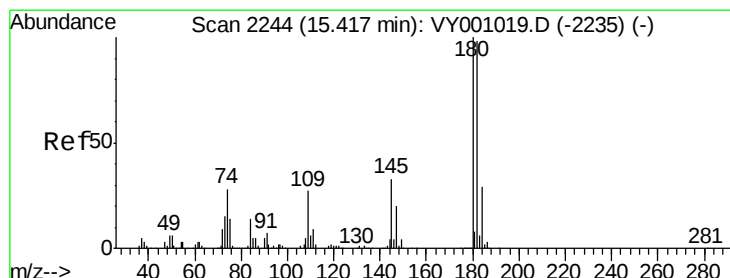
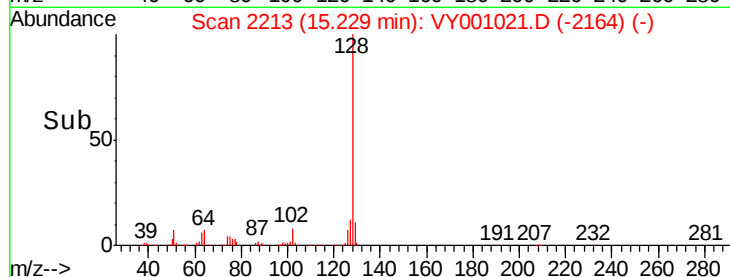
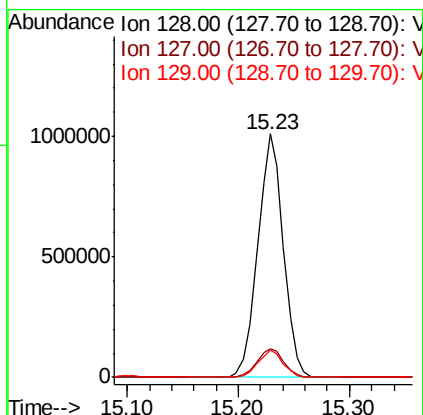
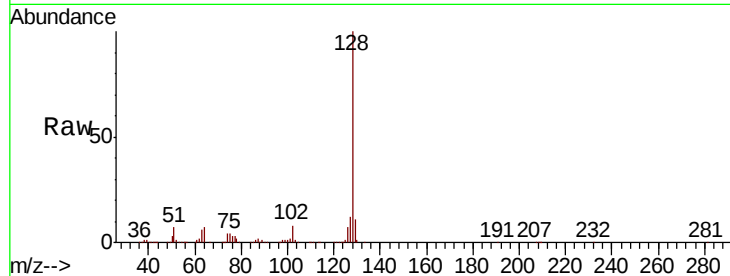




#95
Naphthalene
Concen: 138.965 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1608747
Ion Ratio Lower Upper
128 100
127 12.2 9.9 14.9
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 134.084 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001021.D
Acq: 23 Dec 2019 11:49

Tgt Ion:180 Resp: 591874
Ion Ratio Lower Upper
180 100
182 94.4 47.9 143.8
145 32.7 16.3 48.9

