

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
 Data File : VY000014.D
 Acq On : 11 Sep 2019 21:29
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Quant Time: Sep 12 09:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 09:07:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	145644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	285998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	245767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99871	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	72917	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.72	113	71311	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
50) Toluene-d8	10.18	98	297674	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.48	95	98773	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	3174	Below Cal		81
3) Chloromethane	2.11	50	6727	Below Cal	#	83
4) Vinyl Chloride	2.25	62	4433	2.626	ug/l	93
5) Bromomethane	2.64	94	4004	4.065	ug/l	100
6) Chloroethane	2.78	64	3161	2.840	ug/l #	87
7) Trichlorofluoromethane	3.12	101	5984	2.878	ug/l	96
8) Diethyl Ether	3.54	74	2629	3.224	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.88	101	1453	1.044	ug/l #	1
10) Methyl Iodide	4.09	142	3437	2.122	ug/l	95
11) Tert butyl alcohol	4.96	59	2650	14.924	ug/l	99
12) 1,1-Dichloroethene	3.87	96	3520	2.613	ug/l #	72
13) Acrolein	3.73	56	2827	8.935	ug/l	90
14) Allyl chloride	4.48	41	6556	3.199	ug/l	90
15) Acrylonitrile	5.17	53	6799	12.709	ug/l #	63
16) Acetone	3.96	43	5867	14.242	ug/l #	68
18) Methyl Acetate	4.48	43	4099	Below Cal	#	71
19) Methyl tert-butyl Ether	5.23	73	10138	2.672	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	2185	1.505	ug/l #	82
22) Diisopropyl ether	6.12	45	11406	2.560	ug/l #	93
23) Vinyl Acetate	6.07	43	38584	12.775	ug/l	94
24) 1,1-Dichloroethane	6.03	63	7067	2.648	ug/l #	90
25) 2-Butanone	6.99	43	7620	11.715	ug/l	95
26) 2,2-Dichloropropane	6.99	77	5465	2.395	ug/l	76
27) cis-1,2-Dichloroethene	6.99	96	5068	2.783	ug/l	58
28) Bromochloromethane	7.34	49	4894	3.980	ug/l #	87
29) Tetrahydrofuran	7.35	42	5011	12.332	ug/l #	86
30) Chloroform	7.51	83	7847	2.905	ug/l	87
31) Cyclohexane	7.79	56	9559	1.057	ug/l #	71
32) 1,1,1-Trichloroethane	7.70	97	5448	2.444	ug/l	94
36) 1,1-Dichloropropene	7.91	75	5498	2.659	ug/l	96
37) Ethyl Acetate	7.09	43	3041	2.151	ug/l #	84
38) Carbon Tetrachloride	7.90	117	4160	2.096	ug/l #	75
39) Methylcyclohexane	9.18	83	6768	2.655	ug/l #	88
40) Benzene	8.17	78	16577	2.494	ug/l #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
 Data File : VY000014.D
 Acq On : 11 Sep 2019 21:29
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Quant Time: Sep 12 09:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 09:07:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Methacrylonitrile	7.31	41	1417	1.672	ug/l #	75
42) 1,2-Dichloroethane	8.24	62	4367	2.520	ug/l	96
43) Isopropyl Acetate	8.28	43	6831	2.628	ug/l #	89
44) Trichloroethene	8.93	130	4034	2.359	ug/l	100
45) 1,2-Dichloropropane	9.22	63	3963	2.322	ug/l	99
46) Dibromomethane	9.30	93	2389	2.587	ug/l	90
47) Bromodichloromethane	9.49	83	5504	2.489	ug/l	100
48) Methyl methacrylate	9.30	41	2945	2.565	ug/l #	89
49) 1,4-Dioxane	9.30	88	1058	58.291	ug/l #	48
51) 4-Methyl-2-Pentanone	10.07	43	16843	11.773	ug/l	98
52) Toluene	10.24	92	11437	2.733	ug/l	87
53) t-1,3-Dichloropropene	10.46	75	5643	2.429	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	6981	2.574	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	3384	2.364	ug/l #	86
56) Ethyl methacrylate	10.51	69	5064	2.458	ug/l #	88
57) 1,3-Dichloropropane	10.79	76	5906	2.501	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	16540	15.560	ug/l	99
59) 2-Hexanone	10.83	43	11982	11.763	ug/l	100
60) Dibromochloromethane	10.98	129	3420	2.242	ug/l	93
61) 1,2-Dibromoethane	11.09	107	3265	2.480	ug/l	96
64) Tetrachloroethene	10.72	164	3867	2.574	ug/l #	80
65) Chlorobenzene	11.51	112	11490	2.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	3397	2.210	ug/l	93
67) Ethyl Benzene	11.59	91	19957	2.404	ug/l	91
68) m/p-Xylenes	11.70	106	15029	4.767	ug/l	98
69) o-Xylene	12.02	106	7114	2.346	ug/l	95
70) Styrene	12.04	104	11693	2.215	ug/l	93
71) Bromoform	12.20	173	2031	2.181	ug/l #	96
73) Isopropylbenzene	12.32	105	17907	2.371	ug/l	96
74) N-amyl acetate	12.14	43	5649	2.695	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	4313	2.479	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	5685	4.824	ug/l #	100
77) Bromobenzene	12.61	156	3458	2.148	ug/l	78
78) n-propylbenzene	12.66	91	21848	2.391	ug/l	99
79) 2-Chlorotoluene	12.75	91	12101	2.387	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	15566	2.493	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.37	75	1932	2.838	ug/l #	86
82) 4-Chlorotoluene	12.85	91	13296	2.511	ug/l	99
83) tert-Butylbenzene	13.07	119	13116	2.469	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	14639	2.397	ug/l	96
85) sec-Butylbenzene	13.25	105	20366	2.572	ug/l	94
86) p-Isopropyltoluene	13.37	119	15817	2.375	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	7697	2.479	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	7697	2.458	ug/l	97
89) n-Butylbenzene	13.69	91	16487	2.478	ug/l	98
90) Hexachloroethane	13.96	117	3040	2.256	ug/l	85
91) 1,2-Dichlorobenzene	13.73	146	7875	2.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	886	2.735	ug/l	95
93) 1,2,4-Trichlorobenzene	15.00	180	4236	2.376	ug/l	98
94) Hexachlorobutadiene	15.10	225	2273	2.633	ug/l	96

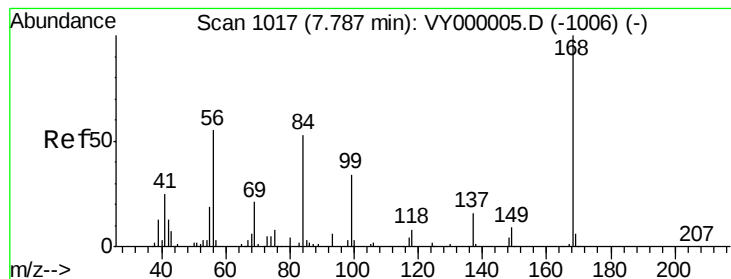
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
Data File : VY000014.D
Acq On : 11 Sep 2019 21:29
Operator : SY/MD
Sample : MDL 3 PPB
Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Quant Time: Sep 12 09:24:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 12 09:07:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.23	128	11984	2.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.41	180	4333	2.710	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

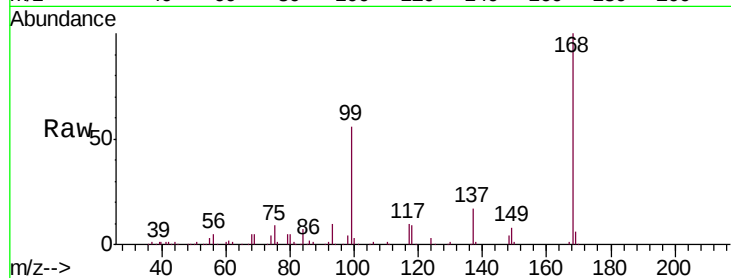
MDL 3 PPB

Tgt Ion: 168 Resp: 145644

Ion Ratio Lower Upper

168 100

99 56.0 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000005.D (-1006) (-)

Ion 98.90 (98.60 to 99.60): VY000005.D (-1006) (-)

7.79

60000

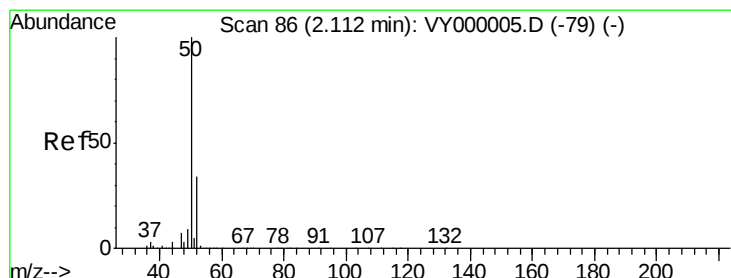
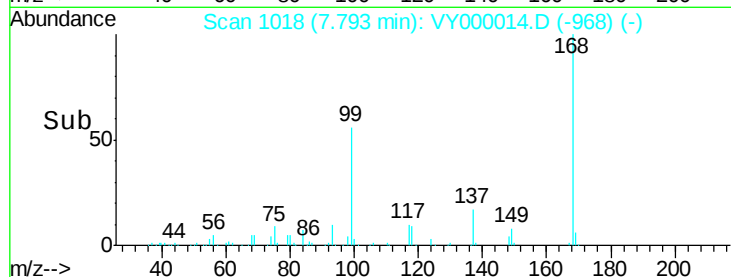
40000

20000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000014.D

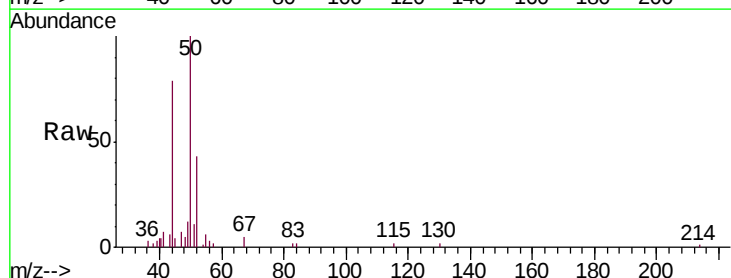
Acq: 11 Sep 2019 21:29

Tgt Ion: 50 Resp: 6727

Ion Ratio Lower Upper

50 100

52 43.0 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VY000005.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VY000005.D (-79) (-)

2.11

4000

3000

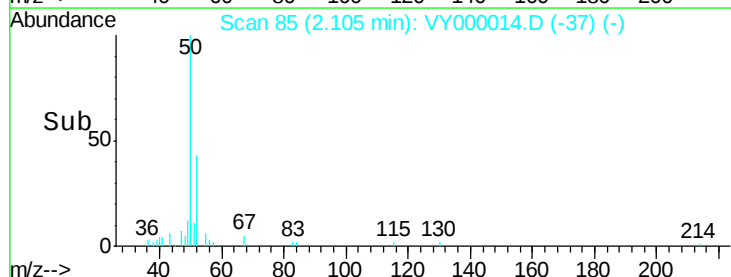
2000

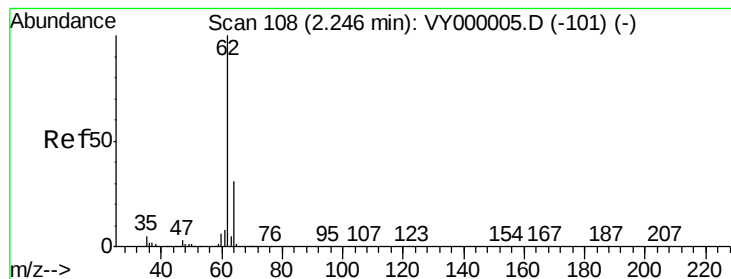
1000

0

2.05 2.10 2.15 2.20

Time-->





#4

Vinyl Chloride

Concen: 2.626 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

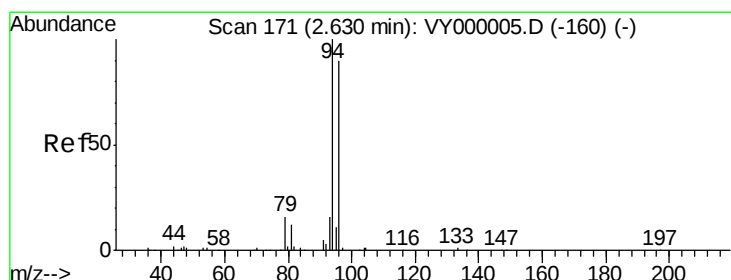
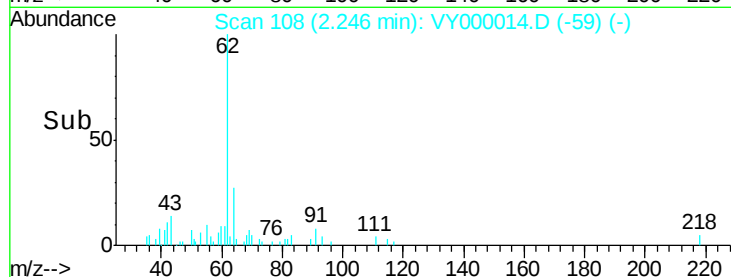
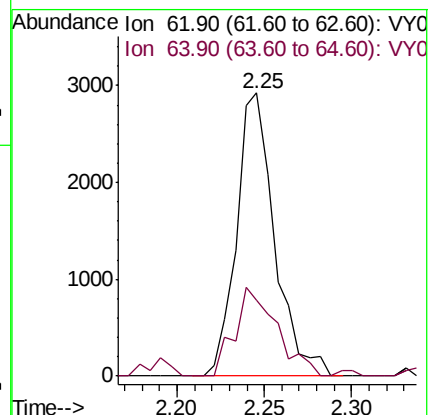
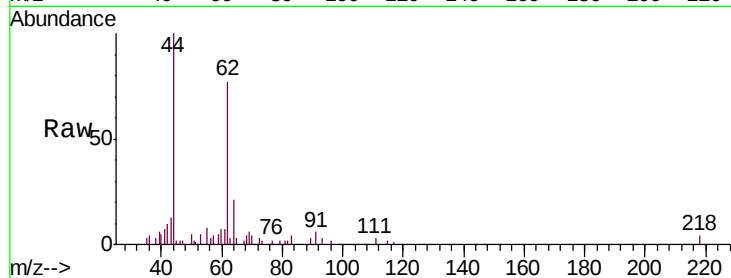
MDL 3 PPB

Tgt Ion: 62 Resp: 4433

Ion Ratio Lower Upper

62 100

64 26.8 24.6 37.0



#5

Bromomethane

Concen: 4.065 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000014.D

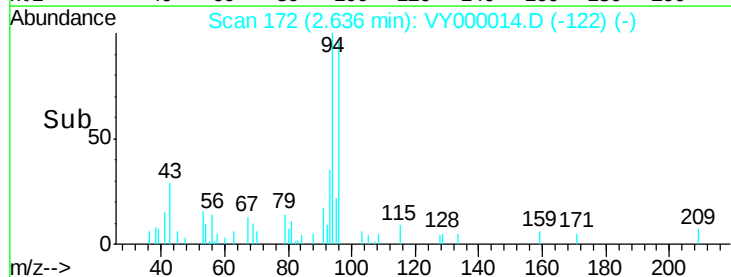
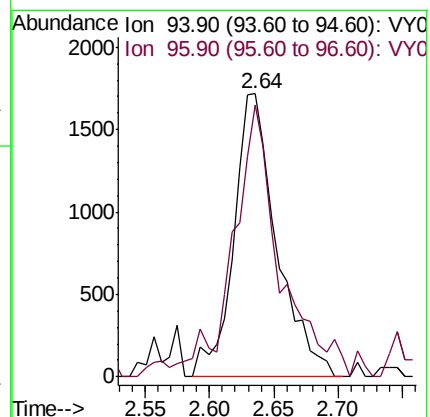
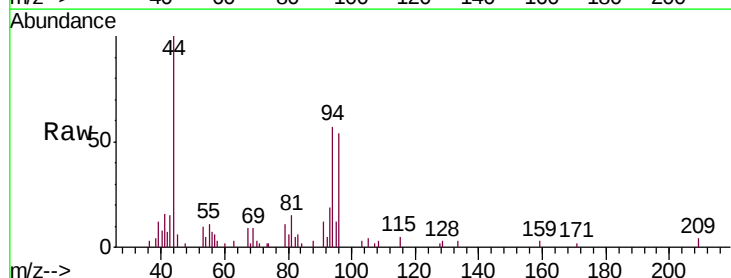
Acq: 11 Sep 2019 21:29

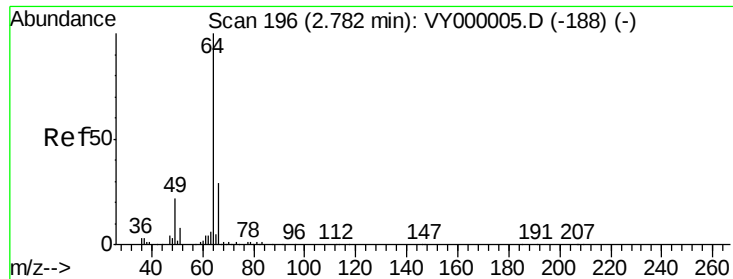
Tgt Ion: 94 Resp: 4004

Ion Ratio Lower Upper

94 100

96 89.6 71.6 107.4





#6

Chloroethane

Concen: 2.840 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

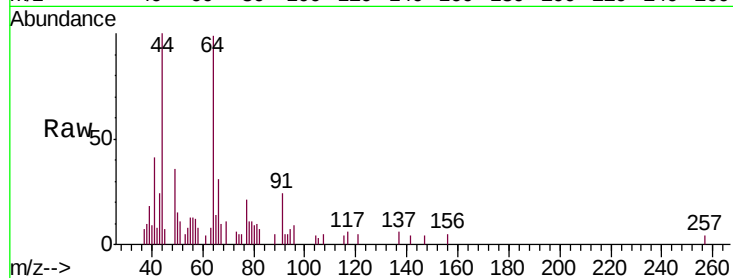
MDL 3 PPB

Tgt Ion: 64 Resp: 3161

Ion Ratio Lower Upper

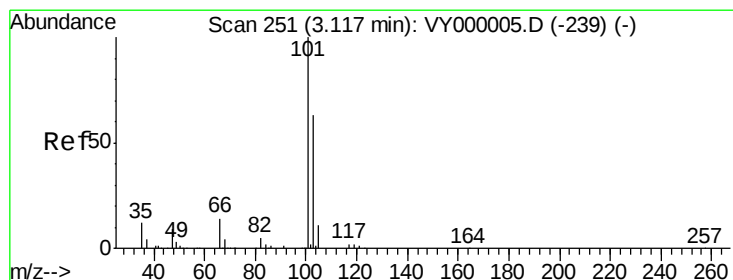
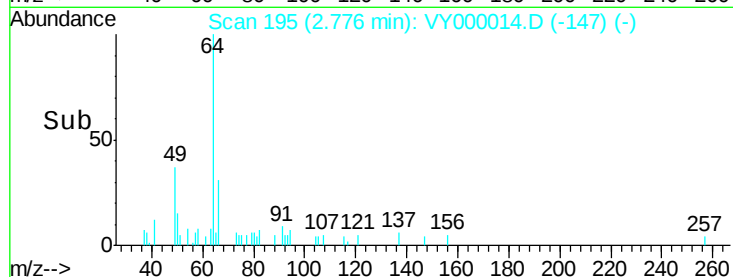
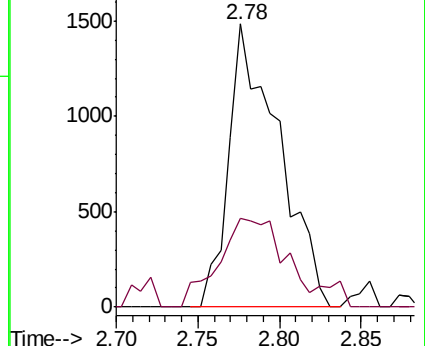
64 100

66 22.6 23.5 35.3#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



#7

Trichlorofluoromethane

Concen: 2.878 ug/l

RT: 3.12 min Scan# 251

Delta R.T. -0.00 min

Lab File: VY000014.D

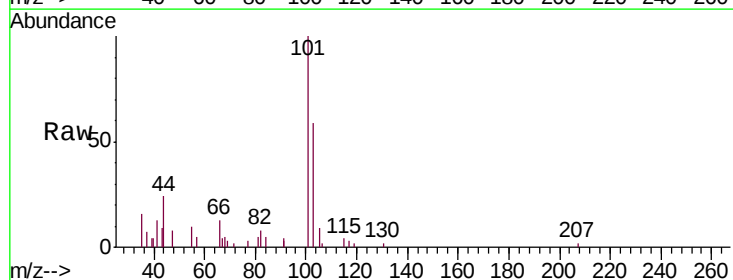
Acq: 11 Sep 2019 21:29

Tgt Ion: 101 Resp: 5984

Ion Ratio Lower Upper

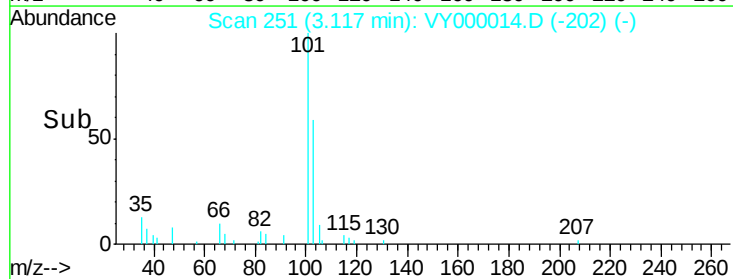
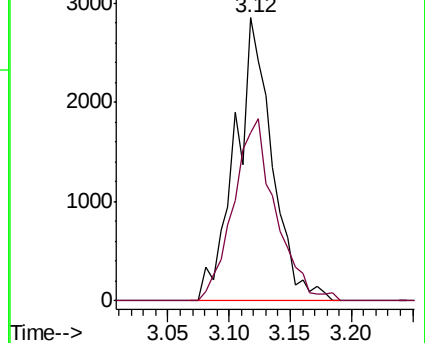
101 100

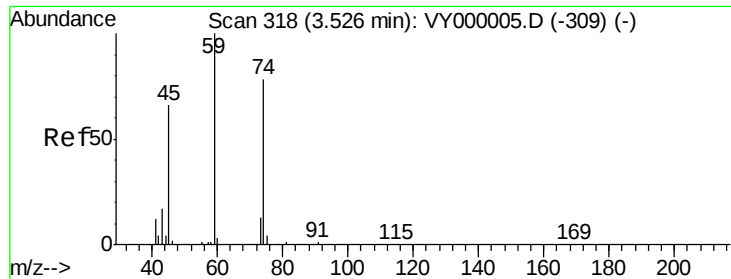
103 59.2 50.0 75.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 3.224 ug/l

RT: 3.54 min Scan# 320

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

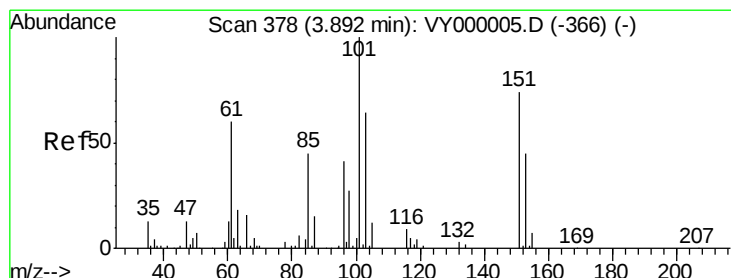
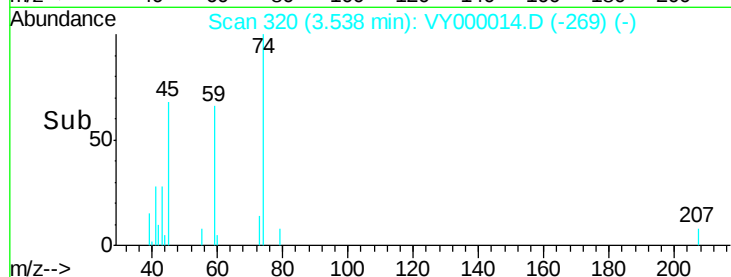
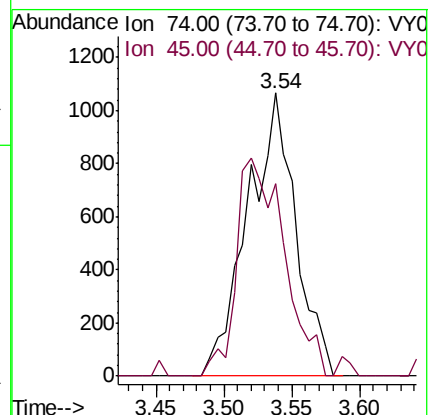
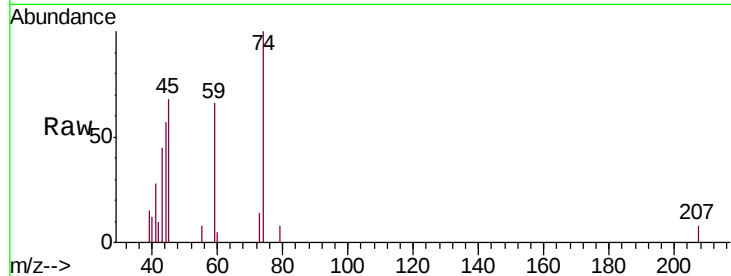
MDL 3 PPB

Tgt Ion: 74 Resp: 2629

Ion Ratio Lower Upper

74 100

45 76.8 40.5 121.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.044 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

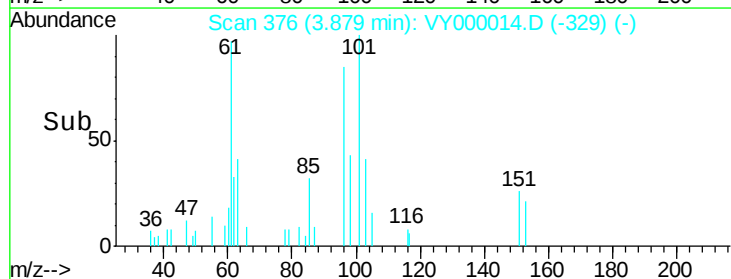
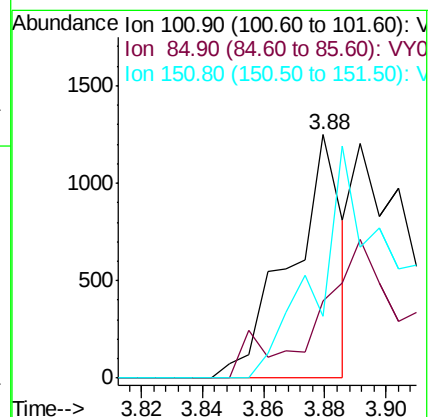
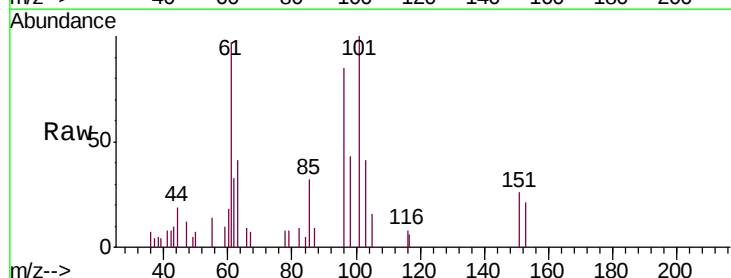
Tgt Ion: 101 Resp: 1453

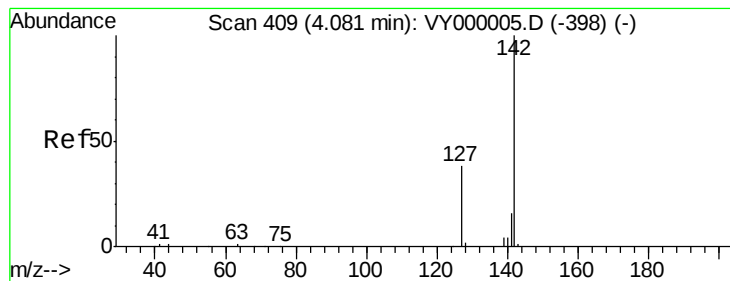
Ion Ratio Lower Upper

101 100

85 98.0 34.0 51.0#

151 175.5 57.3 85.9#





#10

Methyl Iodide

Concen: 2.122 ug/l

RT: 4.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

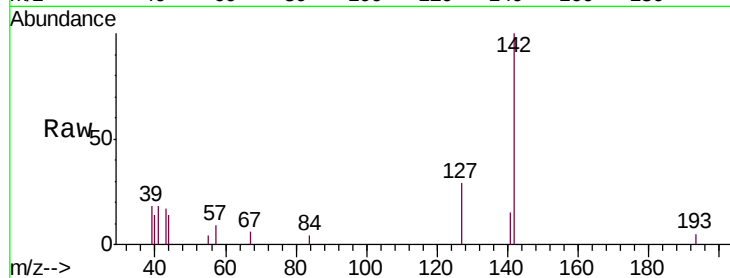
Tgt Ion: 142 Resp: 3437

Ion Ratio Lower Upper

142 100

127 40.6 30.0 45.0

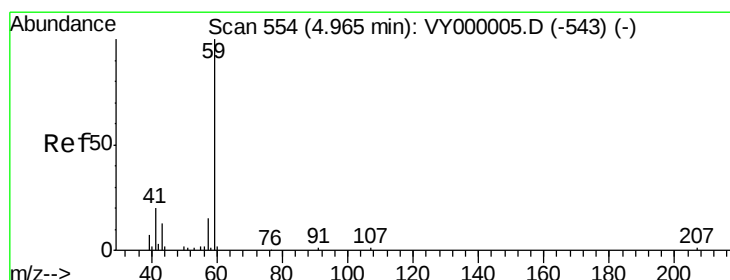
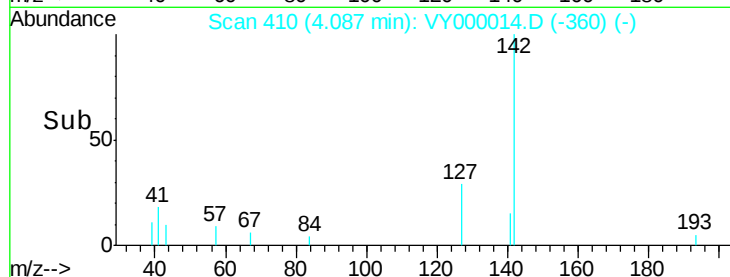
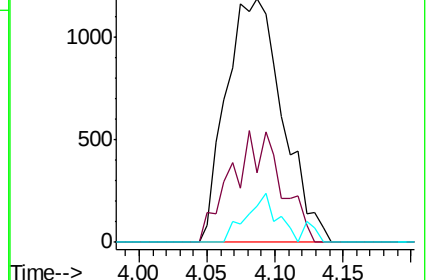
141 11.1 11.0 16.4



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: 14.924 ug/l

RT: 4.96 min Scan# 554

Delta R.T. -0.00 min

Lab File: VY000014.D

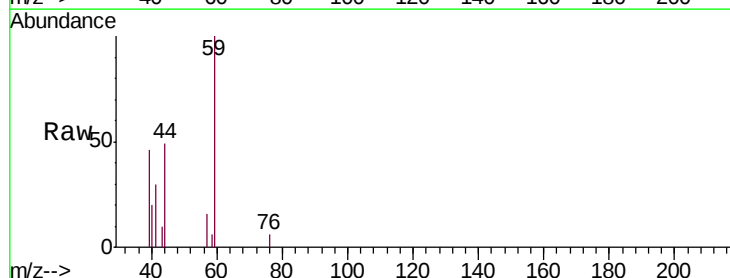
Acq: 11 Sep 2019 21:29

Tgt Ion: 59 Resp: 2650

Ion Ratio Lower Upper

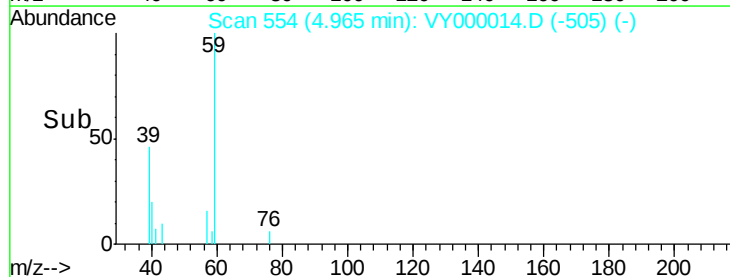
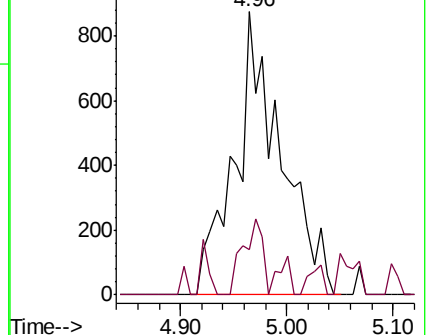
59 100

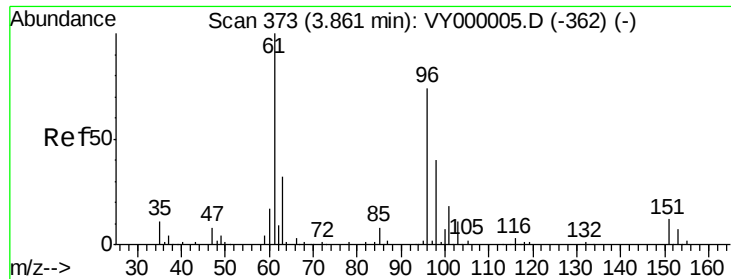
57 11.5 8.9 13.3



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#12

1,1-Dichloroethene

Concen: 2.613 ug/l

RT: 3.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

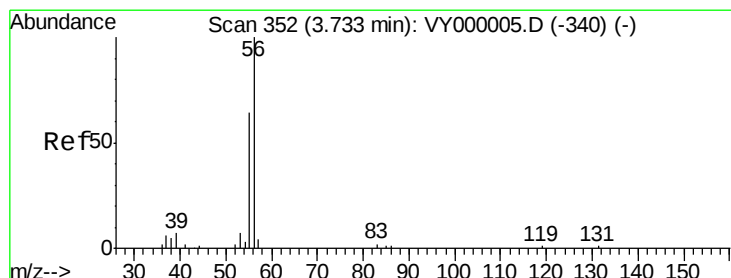
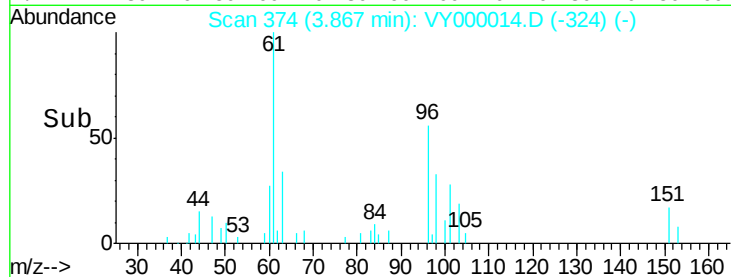
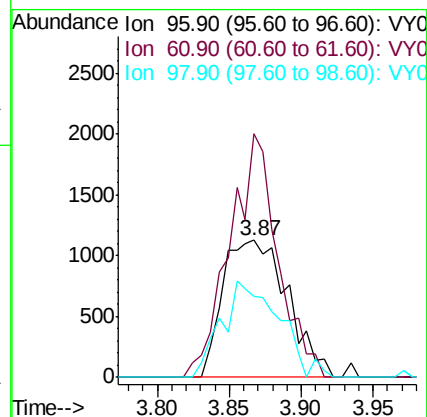
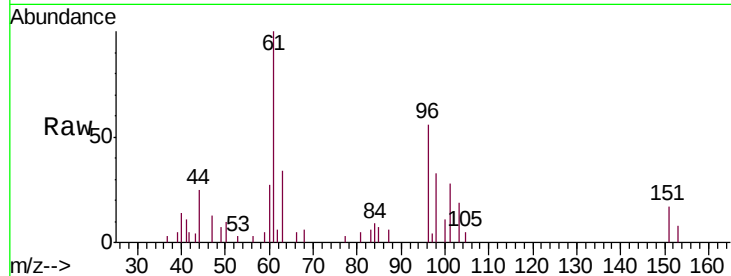
Tgt Ion: 96 Resp: 3520

Ion Ratio Lower Upper

96 100

61 177.3 108.1 162.1#

98 59.2 42.8 64.2



#13

Acrolein

Concen: 8.935 ug/l

RT: 3.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VY000014.D

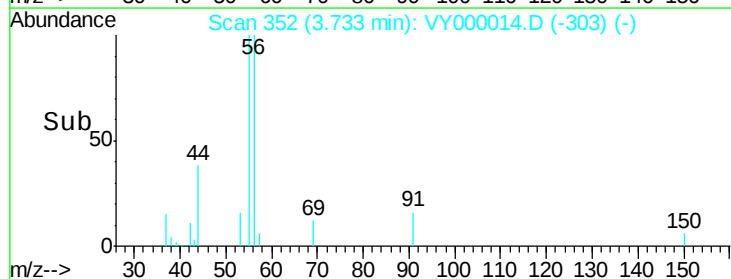
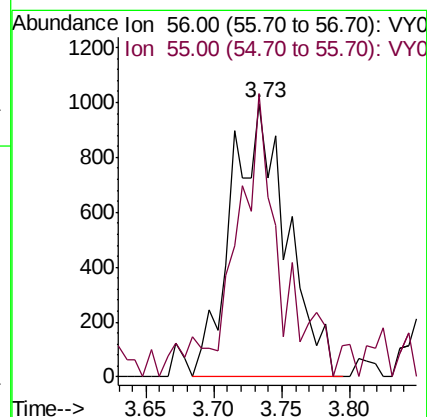
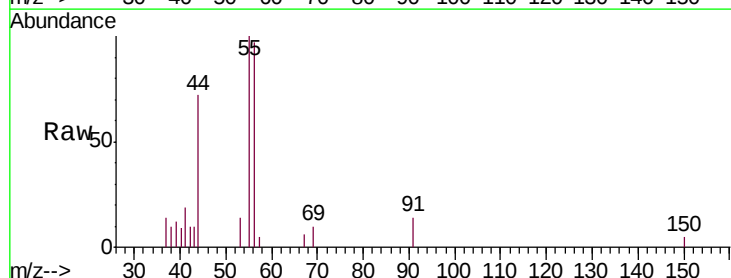
Acq: 11 Sep 2019 21:29

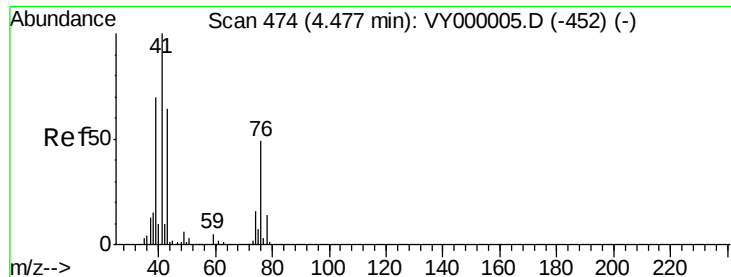
Tgt Ion: 56 Resp: 2827

Ion Ratio Lower Upper

56 100

55 75.0 53.3 79.9

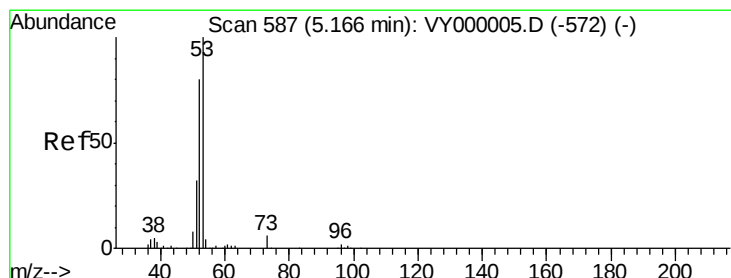
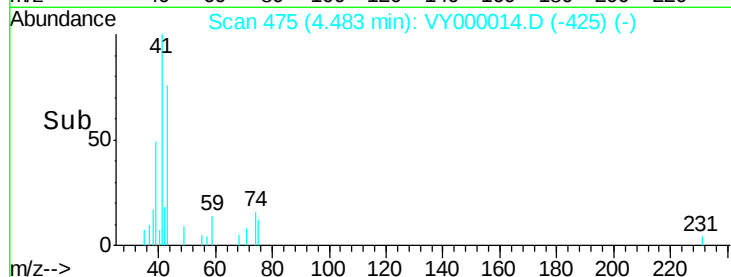
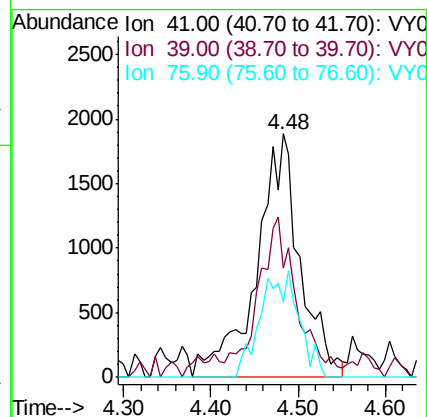
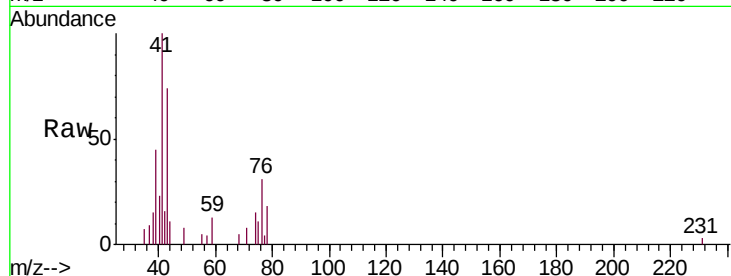




#14
 Allyl chloride
 Concen: 3.199 ug/l
 RT: 4.48 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

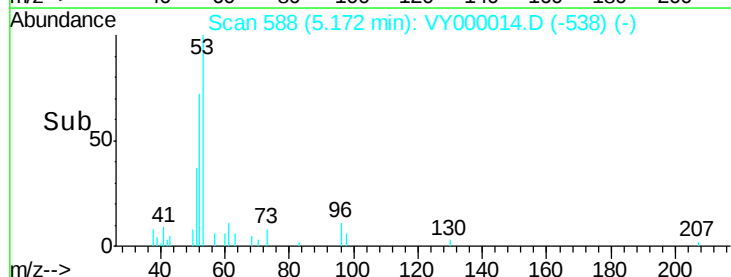
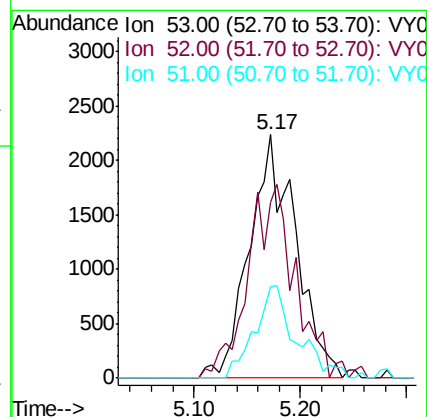
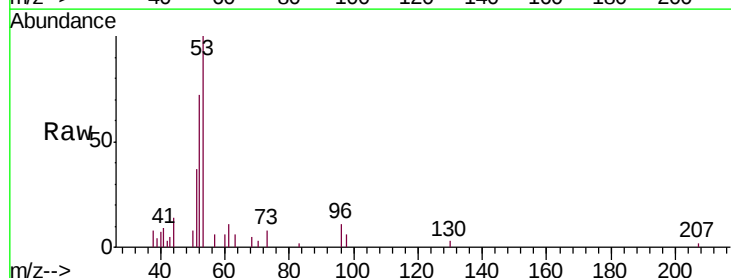
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

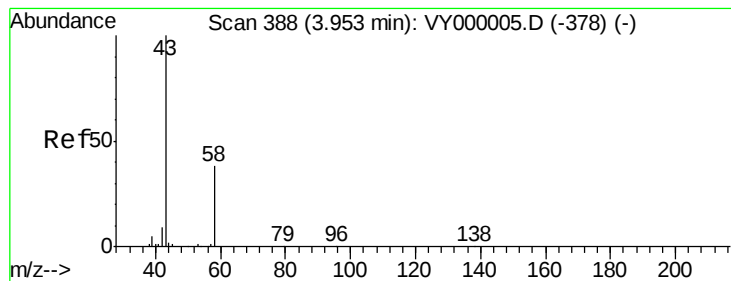
Tgt Ion: 41 Resp: 6556
 Ion Ratio Lower Upper
 41 100
 39 54.9 52.4 78.6
 76 37.9 33.3 49.9



#15
 Acrylonitrile
 Concen: 12.709 ug/l
 RT: 5.17 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 53 Resp: 6799
 Ion Ratio Lower Upper
 53 100
 52 34.0 64.4 96.6#
 51 33.9 27.1 40.7





#16

Acetone

Concen: 14.242 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

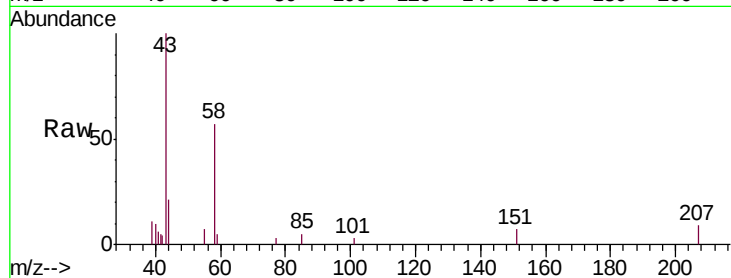
MDL 3 PPB

Tgt Ion: 43 Resp: 5867

Ion Ratio Lower Upper

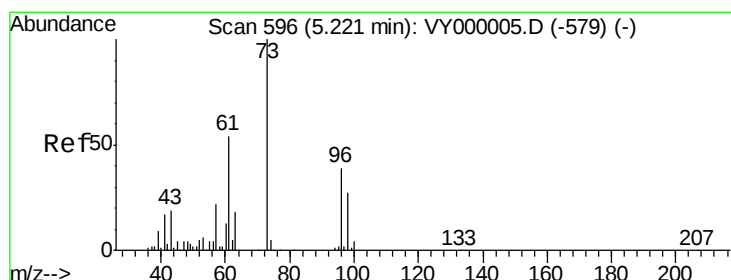
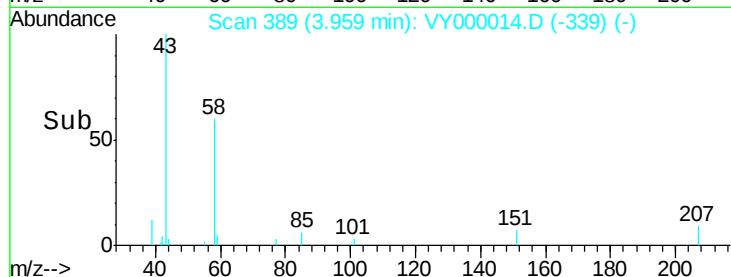
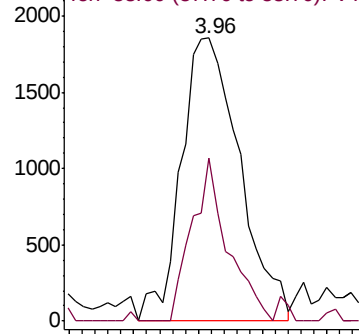
43 100

58 57.4 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#19

Methyl tert-butyl Ether

Concen: 2.672 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VY000014.D

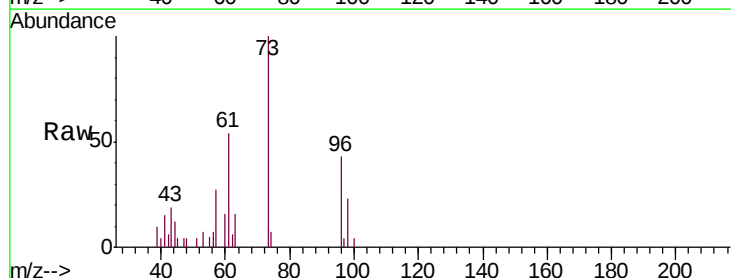
Acq: 11 Sep 2019 21:29

Tgt Ion: 73 Resp: 10138

Ion Ratio Lower Upper

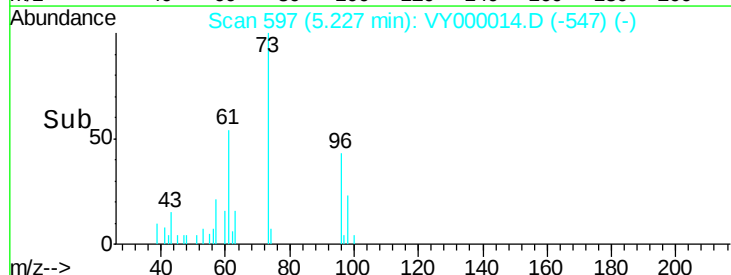
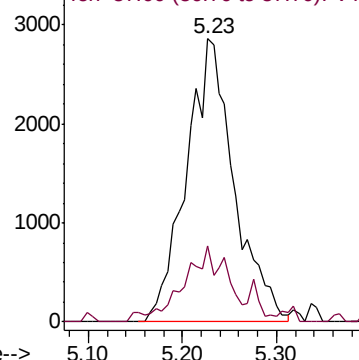
73 100

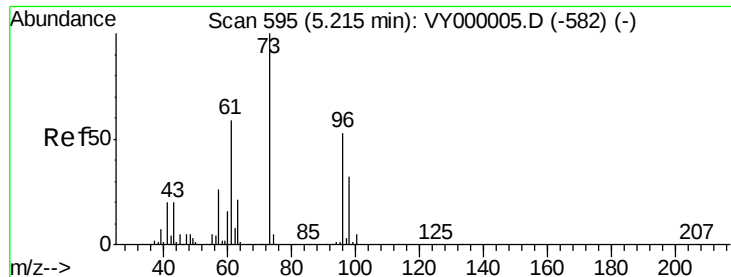
57 23.6 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#21

trans-1,2-Dichloroethene

Concen: 1.505 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

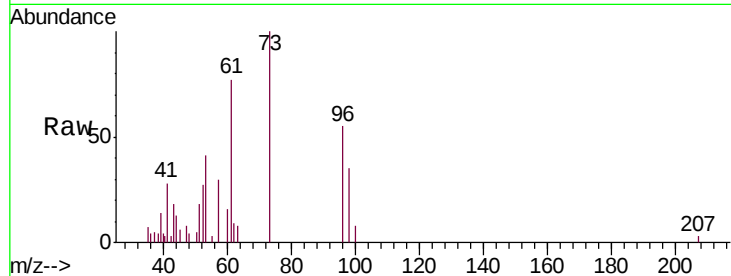
Tgt Ion: 96 Resp: 2185

Ion Ratio Lower Upper

96 100

61 139.8 89.4 134.2#

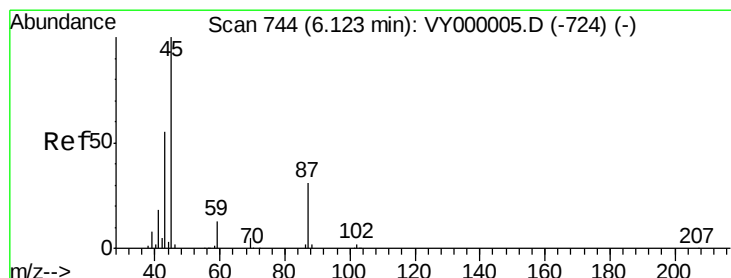
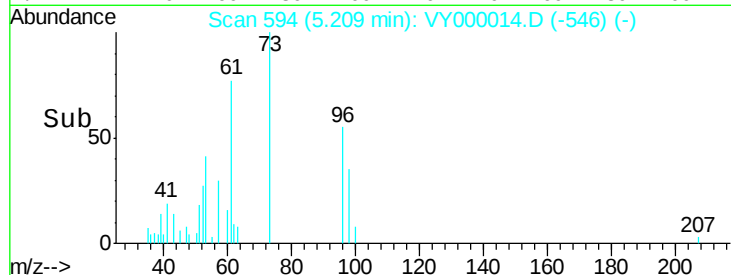
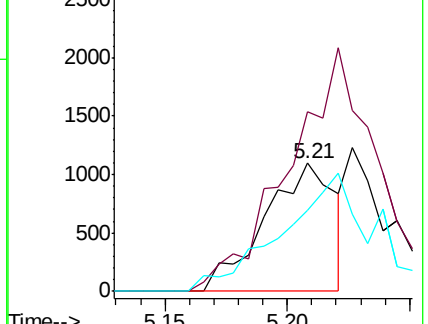
98 63.7 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 2.560 ug/l

RT: 6.12 min Scan# 744

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion: 45 Resp: 11406

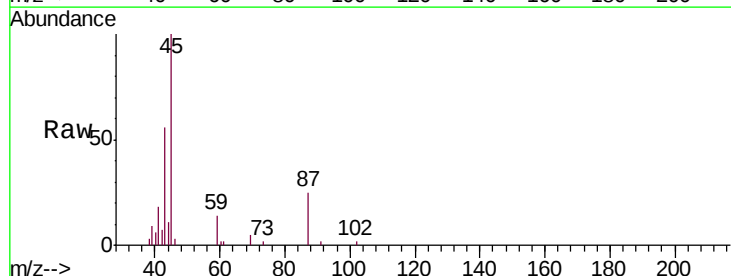
Ion Ratio Lower Upper

45 100

43 53.1 45.2 67.8

87 24.8 25.3 37.9#

59 13.6 10.6 15.8

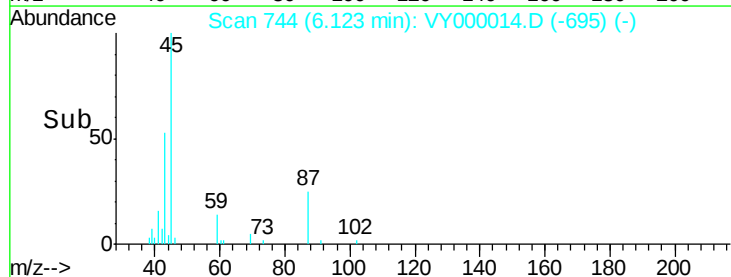
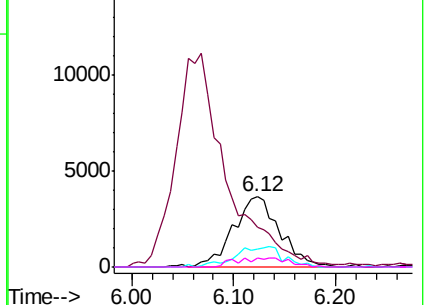


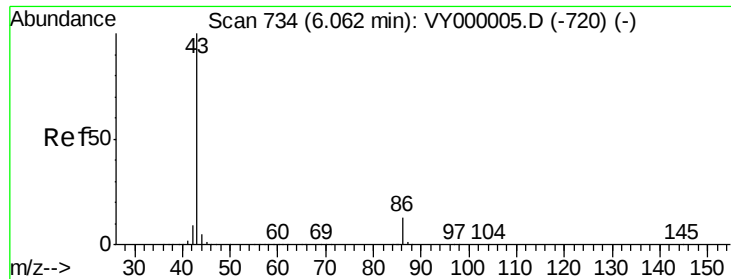
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 12.775 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

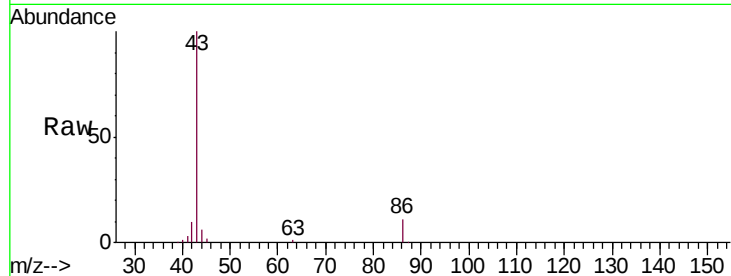
MDL 3 PPB

Tgt Ion: 43 Resp: 38584

Ion Ratio Lower Upper

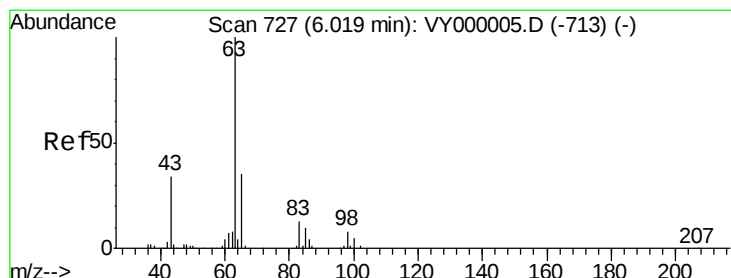
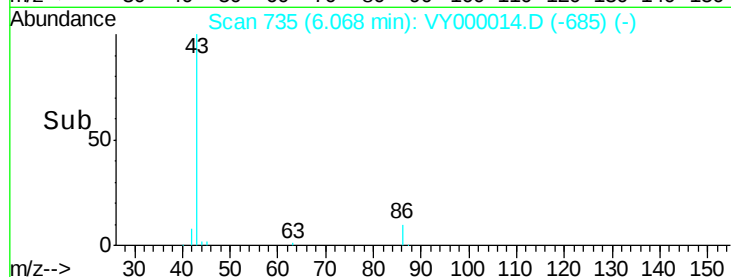
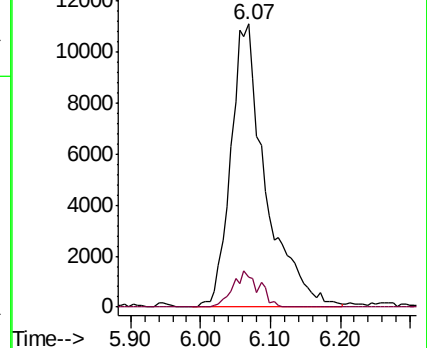
43 100

86 10.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 2.648 ug/l

RT: 6.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

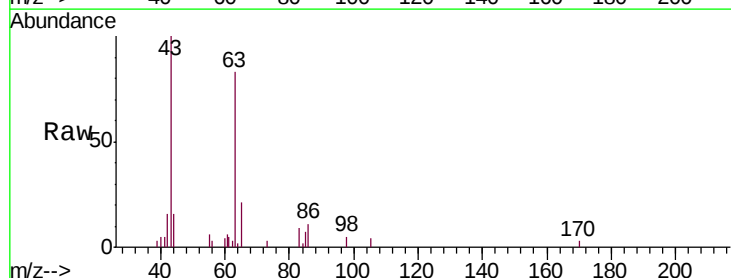
Tgt Ion: 63 Resp: 7067

Ion Ratio Lower Upper

63 100

98 5.6 4.0 12.0

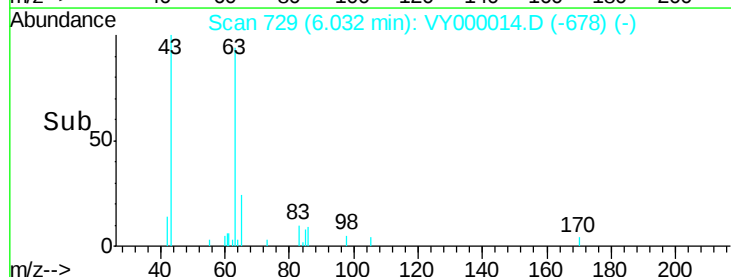
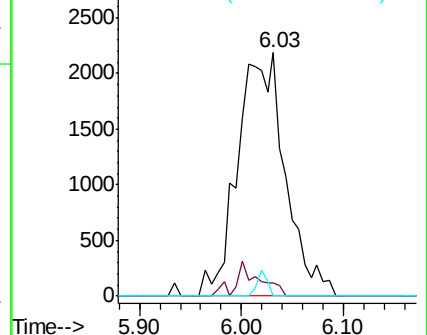
100 0.0 2.5 7.5#

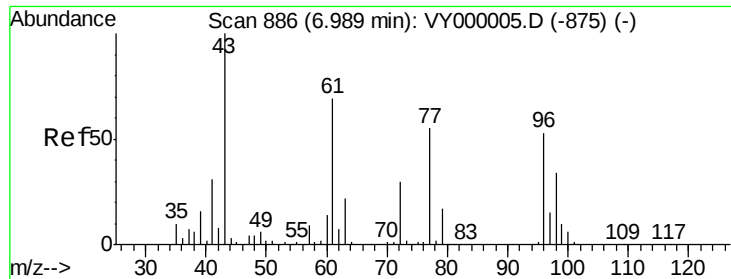


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 11.715 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

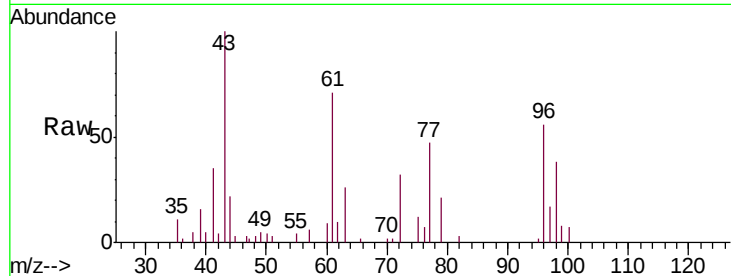
MDL 3 PPB

Tgt Ion: 43 Resp: 7620

Ion Ratio Lower Upper

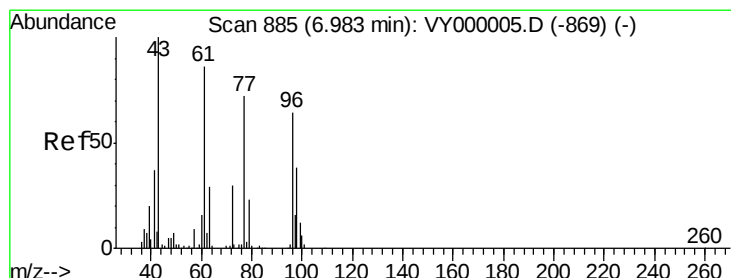
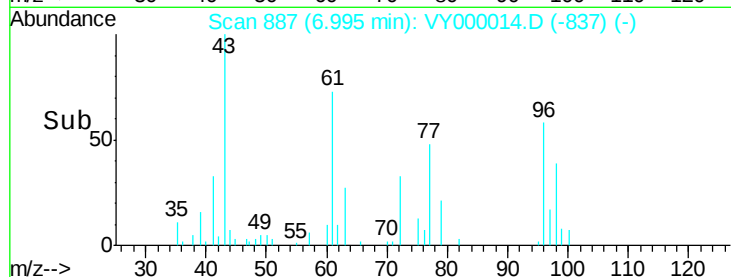
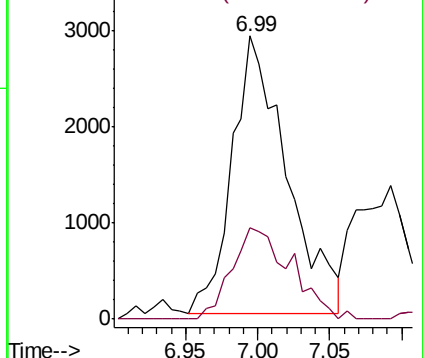
43 100

72 32.9 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 2.395 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000014.D

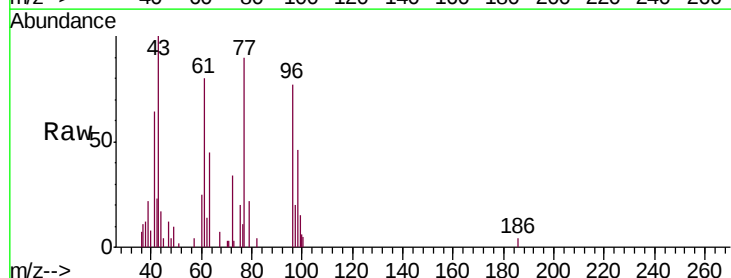
Acq: 11 Sep 2019 21:29

Tgt Ion: 77 Resp: 5465

Ion Ratio Lower Upper

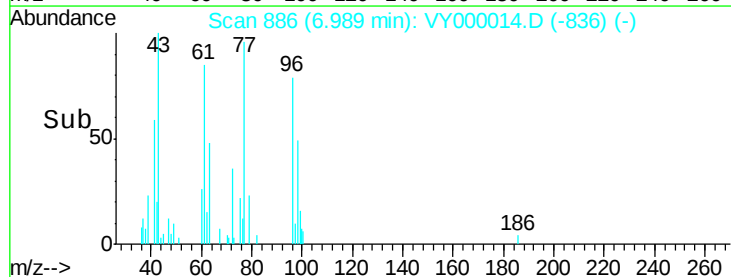
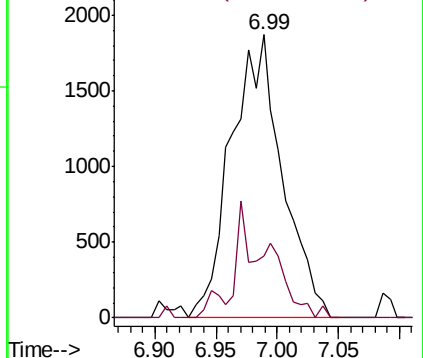
77 100

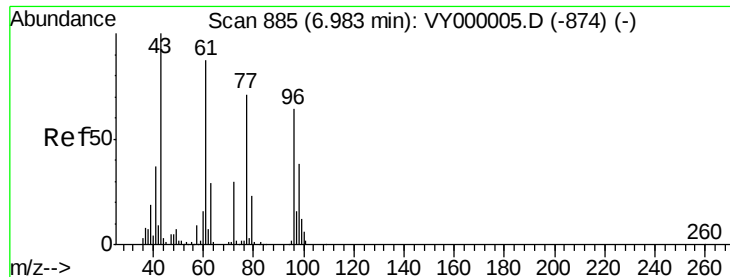
97 12.9 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



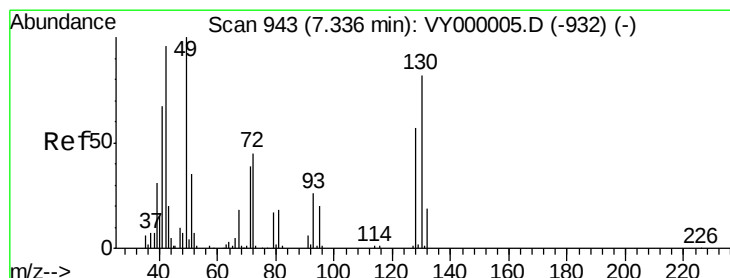
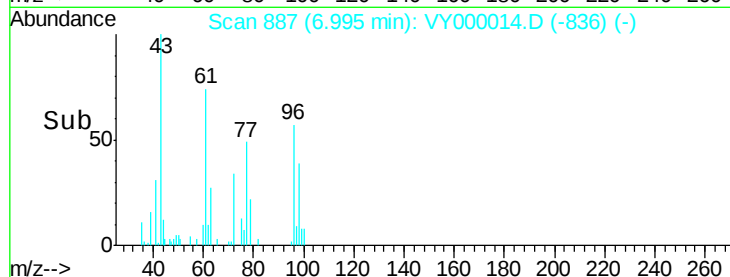
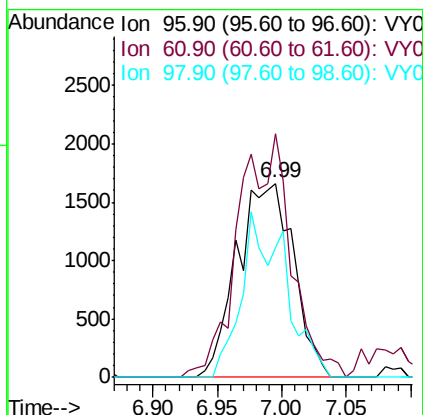
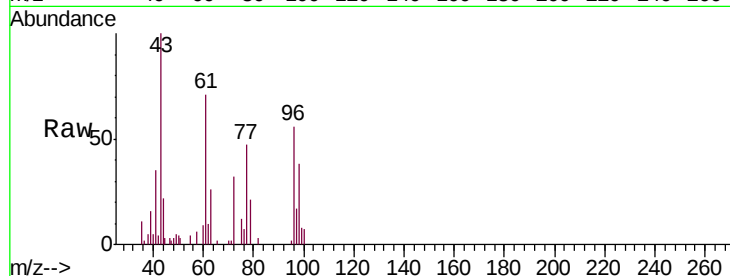


#27

cis-1,2-Dichloroethene
 Concen: 2.783 ug/l
 RT: 6.99 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL 3 PPB

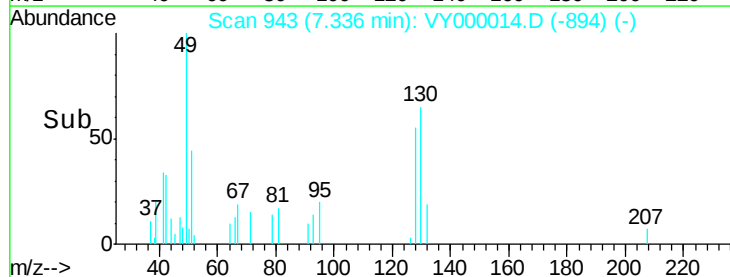
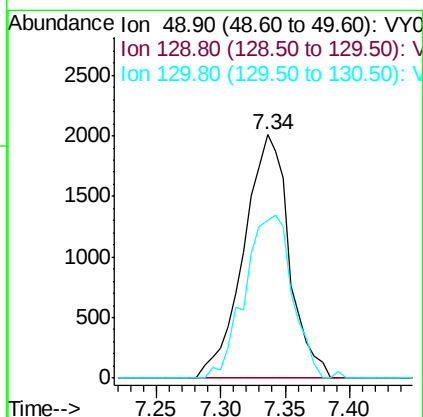
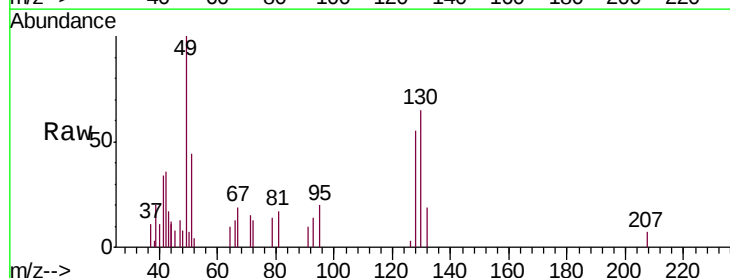
Tgt Ion: 96 Resp: 5068
 Ion Ratio Lower Upper
 96 100
 61 57.5 0.0 259.0
 98 66.2 0.0 129.8

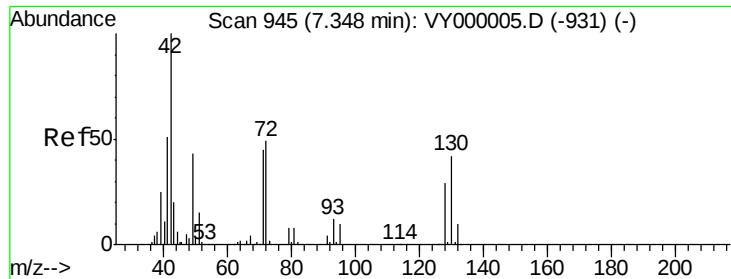


#28

Bromochloromethane
 Concen: 3.980 ug/l
 RT: 7.34 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 49 Resp: 4894
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 70.1 65.3 97.9

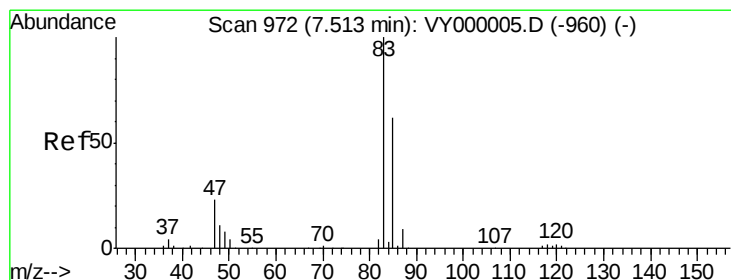
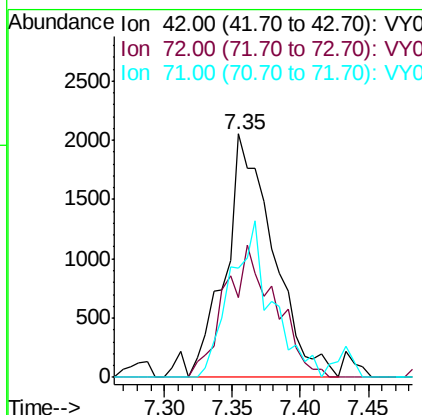
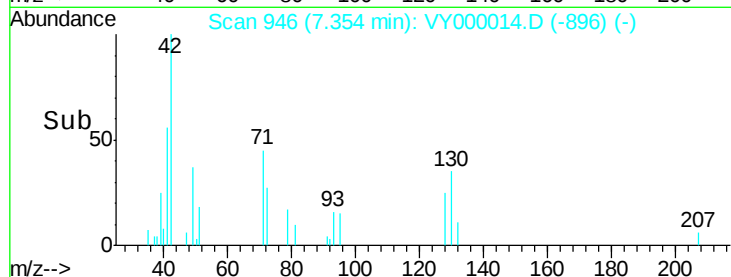
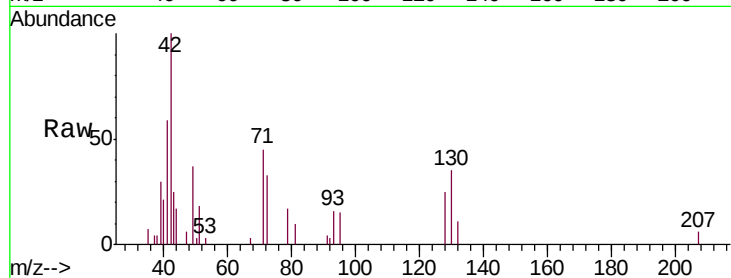




#29
Tetrahydrofuran
Concen: 12.332 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

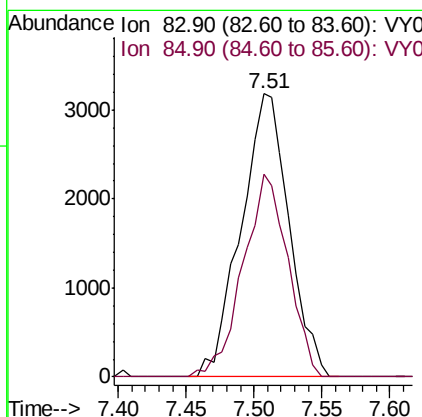
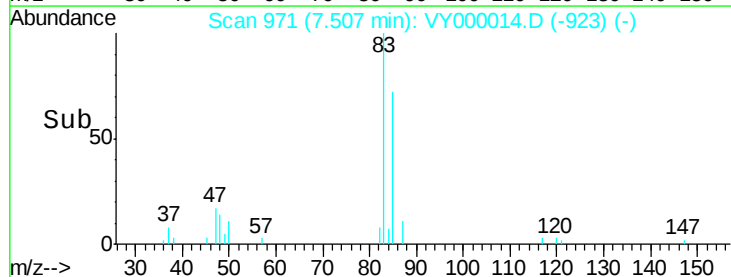
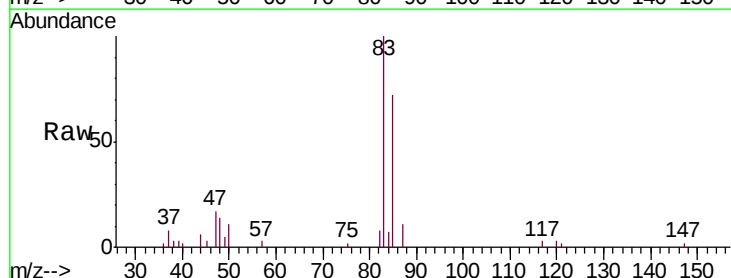
Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

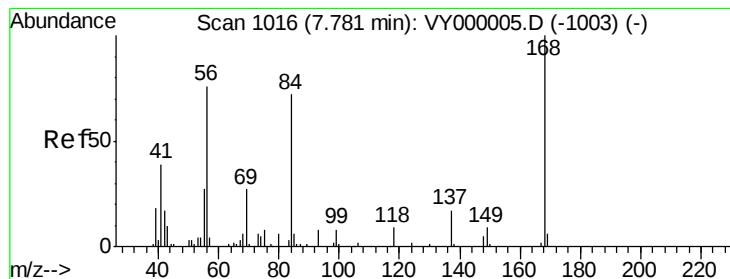
Tgt Ion: 42 Resp: 5011
Ion Ratio Lower Upper
42 100
72 57.6 39.2 58.8
71 56.2 36.4 54.6#



#30
Chloroform
Concen: 2.905 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 83 Resp: 7847
Ion Ratio Lower Upper
83 100
85 71.5 49.4 74.0





#31

Cyclohexane

Concen: 1.057 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

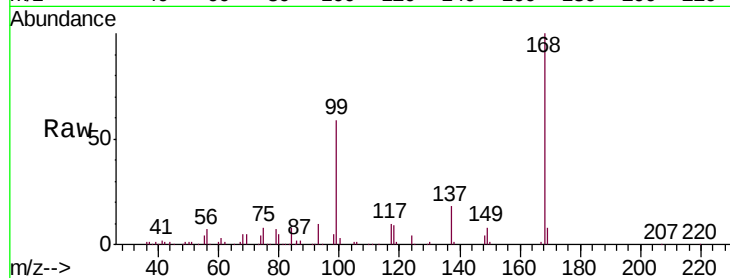
Tgt Ion: 56 Resp: 9559

Ion Ratio Lower Upper

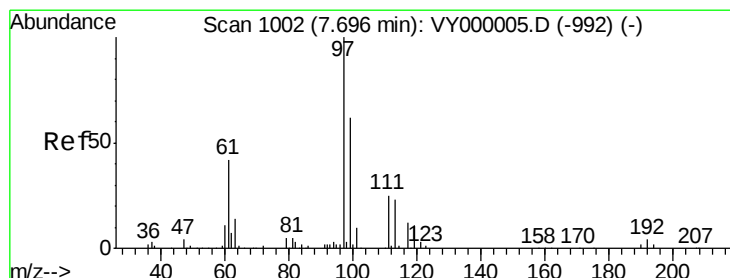
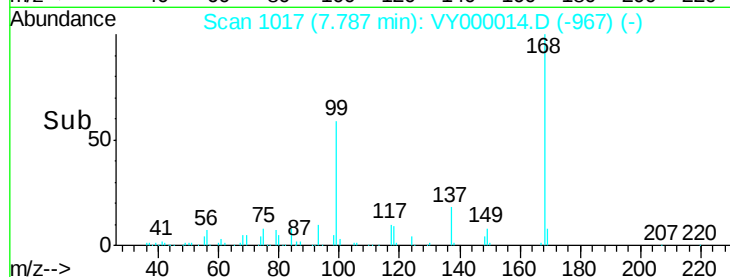
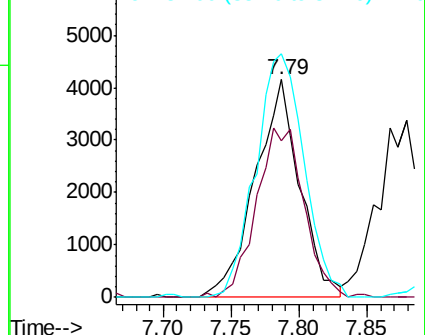
56 100

69 71.8 28.5 42.7#

84 111.7 76.4 114.6



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: 2.444 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

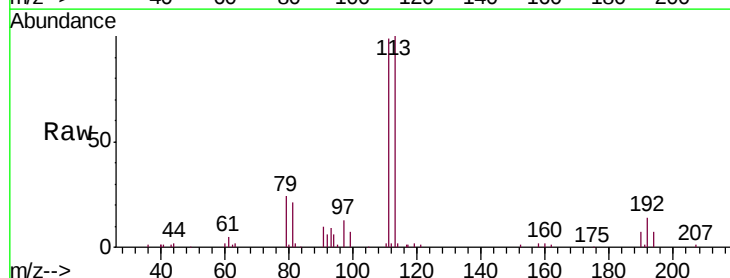
Tgt Ion: 97 Resp: 5448

Ion Ratio Lower Upper

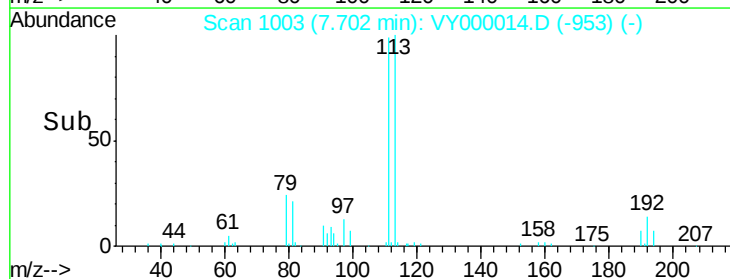
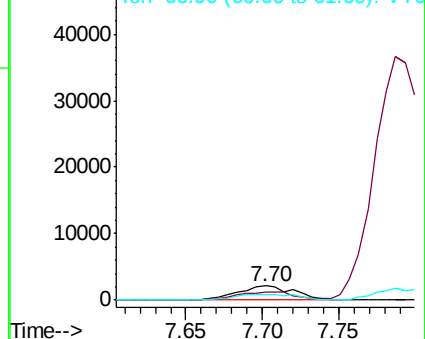
97 100

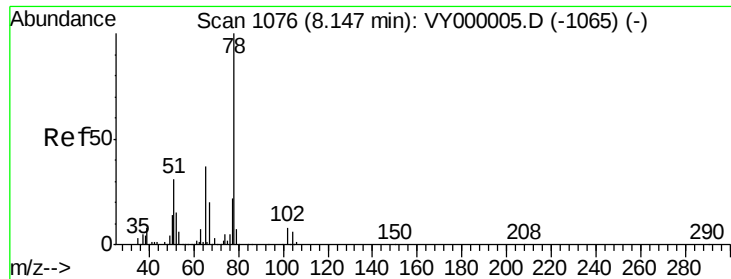
99 59.7 50.3 75.5

61 49.5 35.0 52.4



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

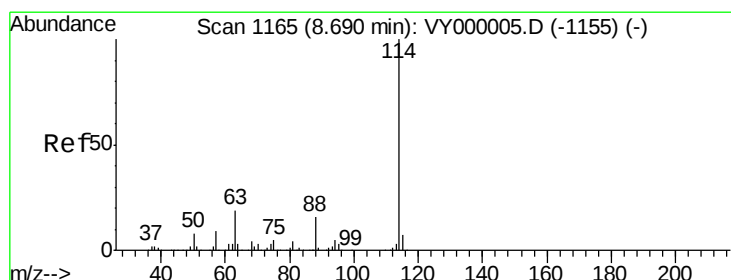
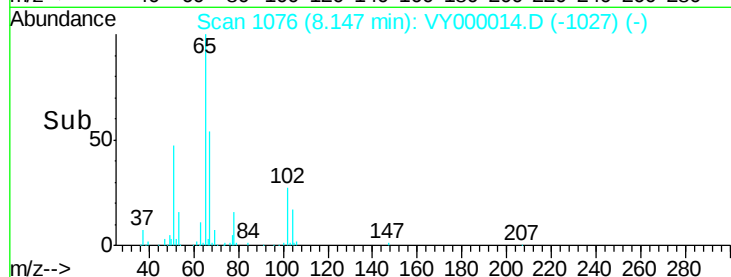
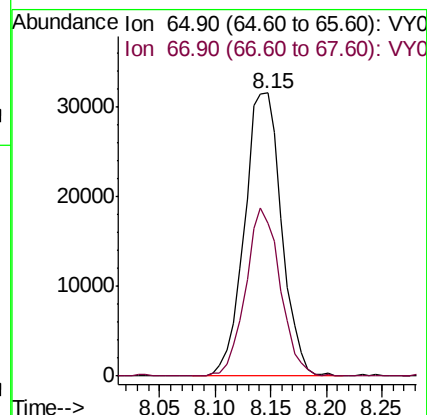
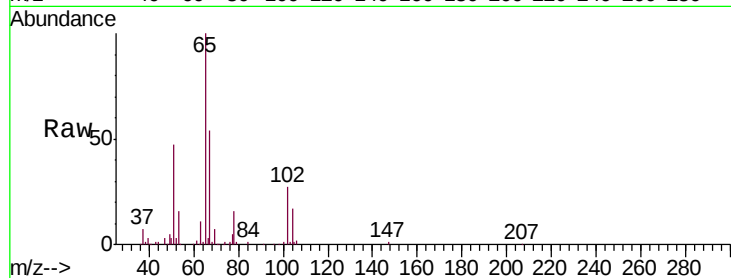




#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

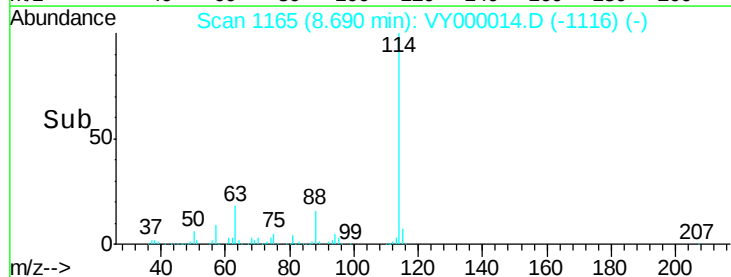
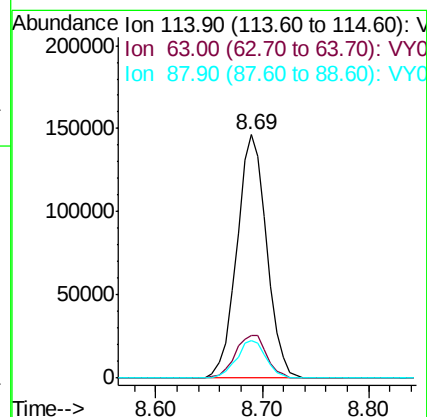
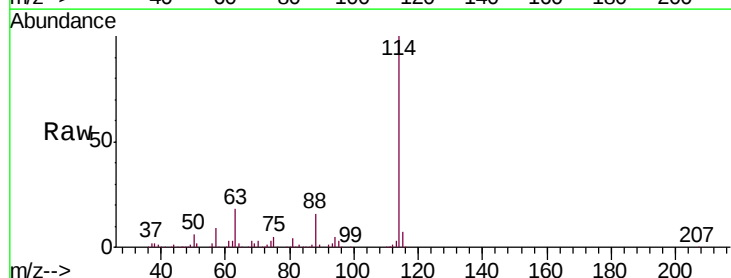
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

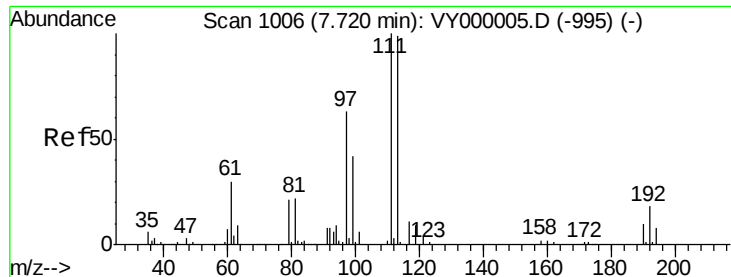
Tgt Ion: 65 Resp: 72917
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 114 Resp: 285998
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 37.4
 88 15.5 0.0 32.6

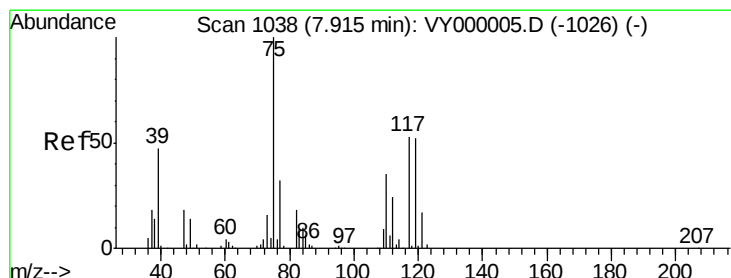
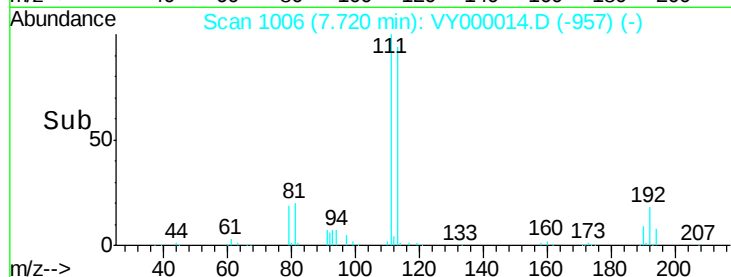
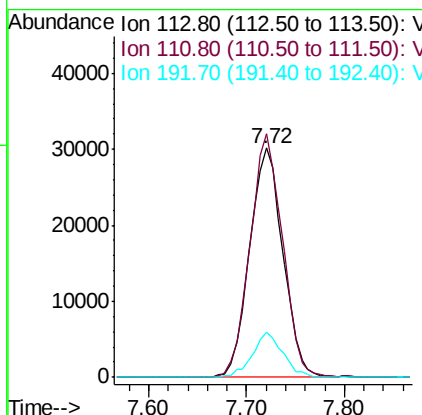
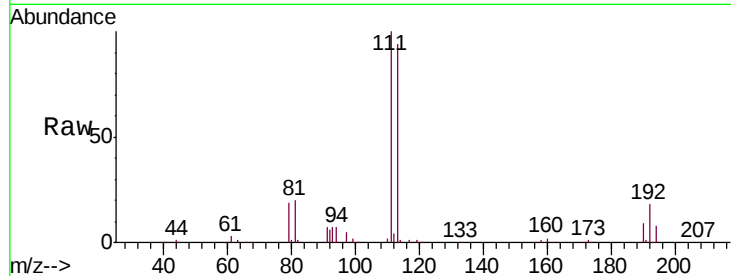




#35
 Dibromofluoromethane
 Concen: 44.604 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

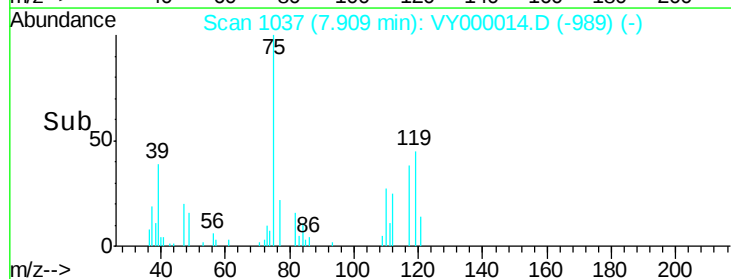
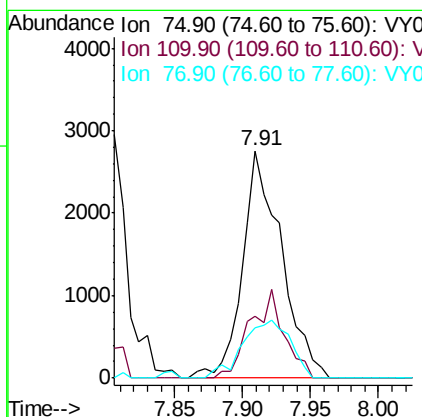
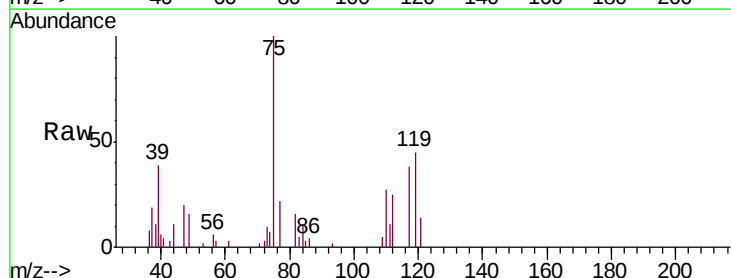
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

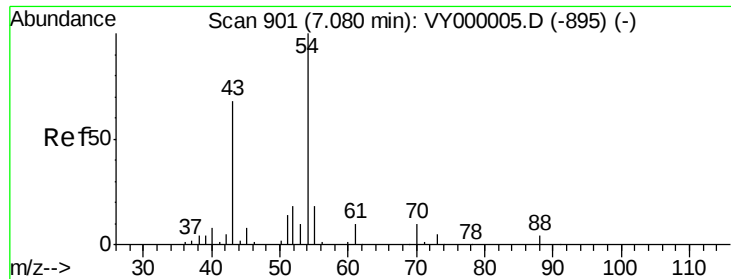
Tgt Ion:113 Resp: 71311
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.6 122.4
 192 17.9 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 2.659 ug/l
 RT: 7.91 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 75 Resp: 5498
 Ion Ratio Lower Upper
 75 100
 110 34.0 18.7 56.1
 77 31.4 25.6 38.4

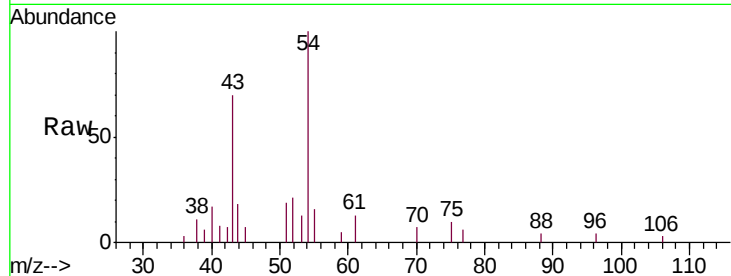




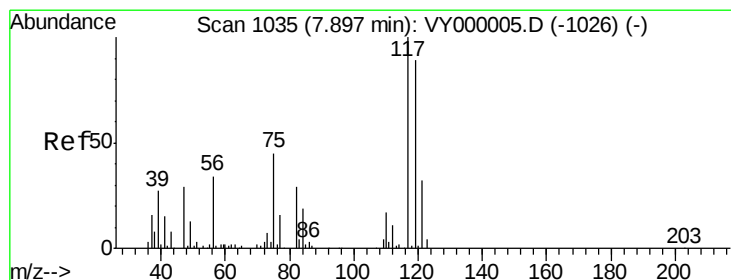
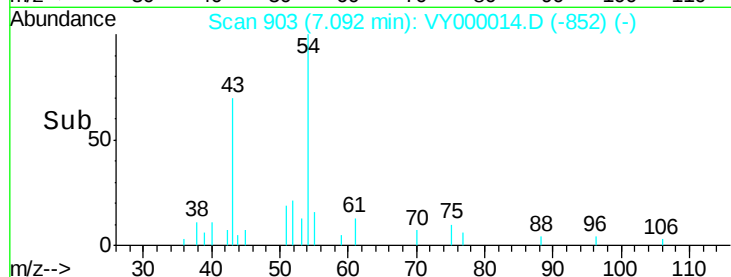
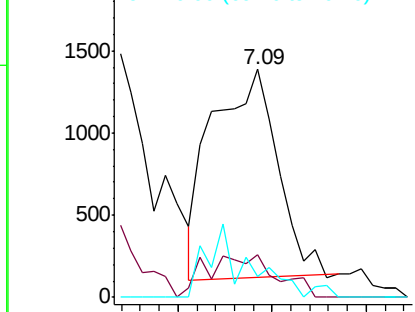
#37
Ethyl Acetate
Concen: 2.151 ug/l
RT: 7.09 min Scan# 903
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tgt Ion: 43 Resp: 3041
Ion Ratio Lower Upper
43 100
61 21.8 13.0 19.4#
70 21.7 11.0 16.4#

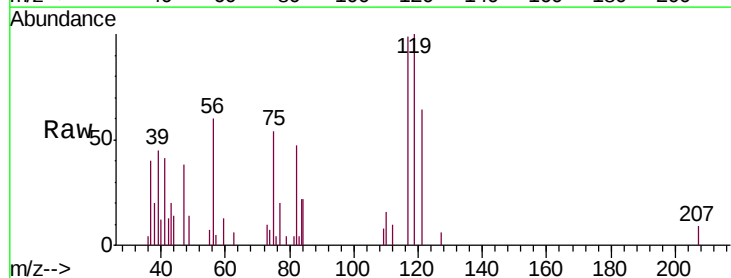


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

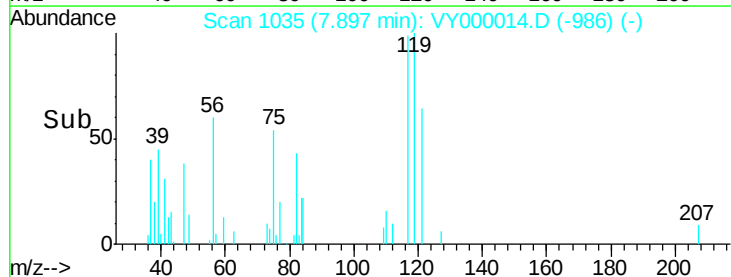
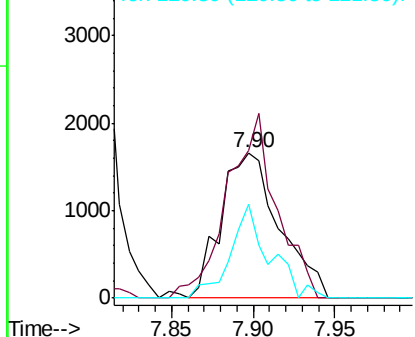


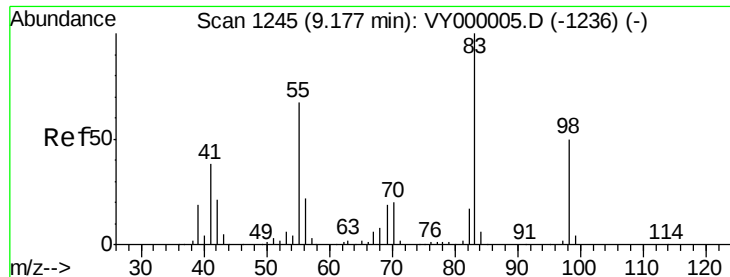
#38
Carbon Tetrachloride
Concen: 2.096 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 117 Resp: 4160
Ion Ratio Lower Upper
117 100
119 101.3 71.5 107.3
121 64.9 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

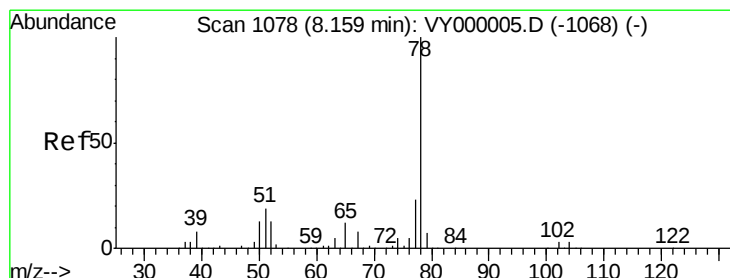
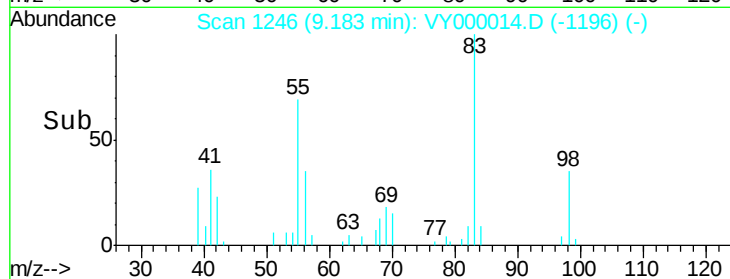
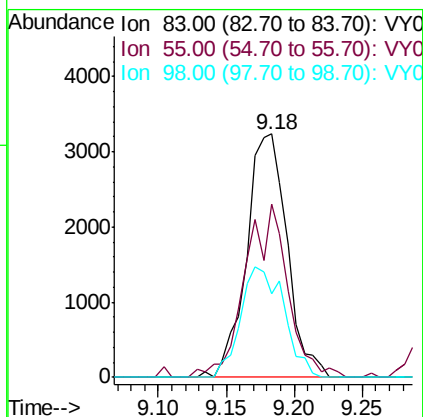
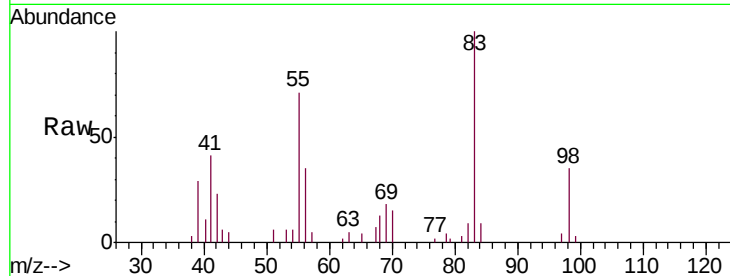




#39
Methylcyclohexane
Concen: 2.655 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

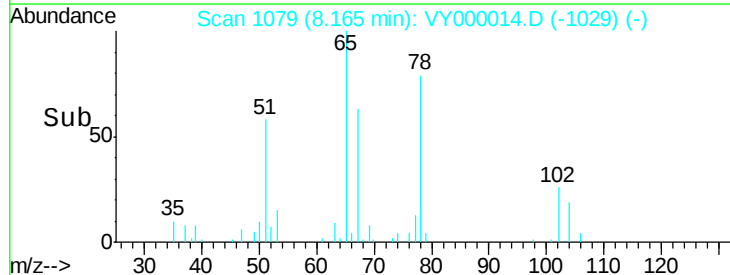
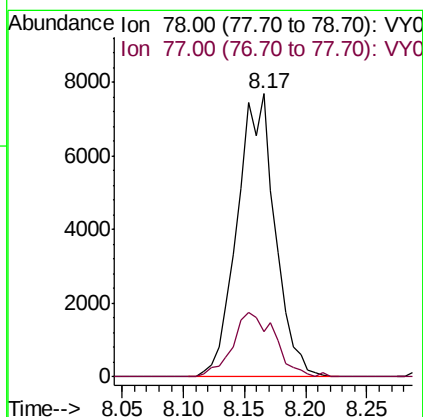
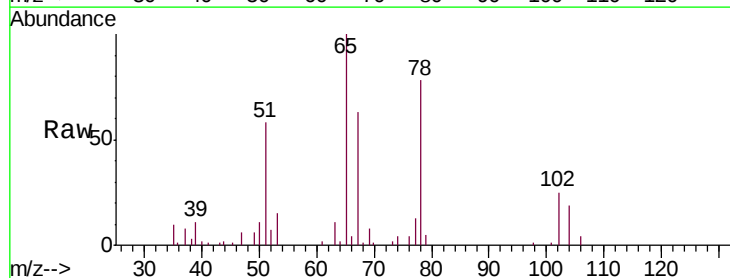
Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

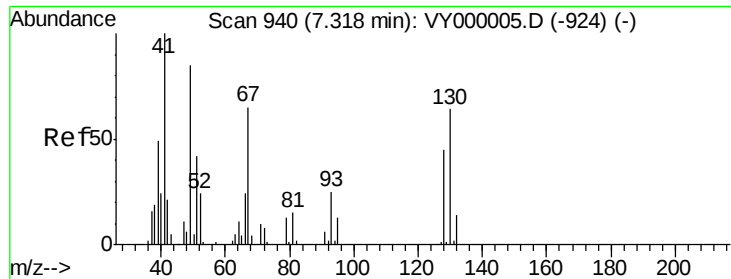
Tgt Ion: 83 Resp: 6768
Ion Ratio Lower Upper
83 100
55 71.2 53.8 80.6
98 34.5 40.0 60.0#



#40
Benzene
Concen: 2.494 ug/l
RT: 8.17 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 78 Resp: 16577
Ion Ratio Lower Upper
78 100
77 16.1 18.0 27.0#

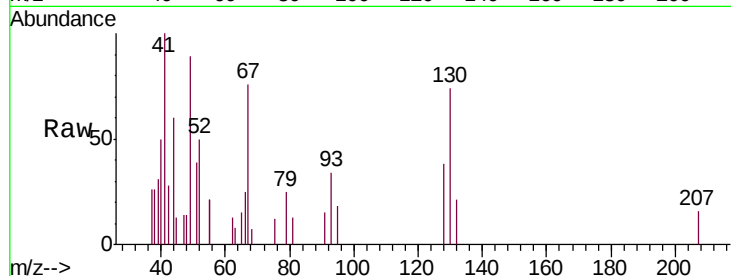




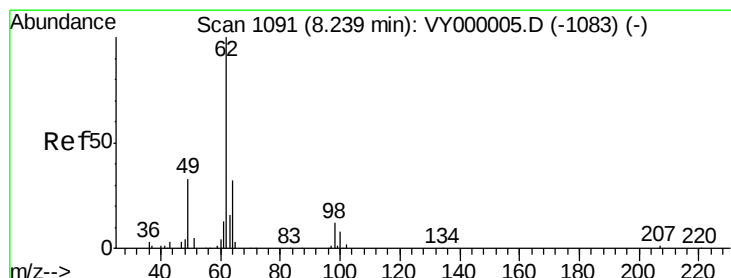
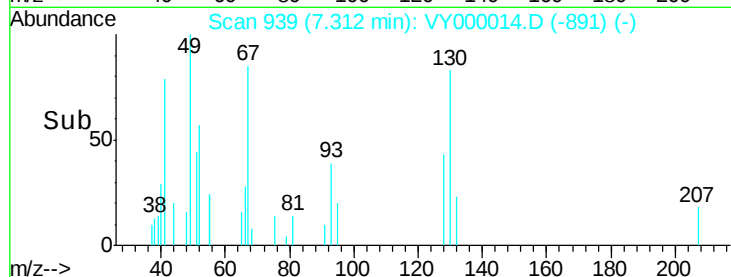
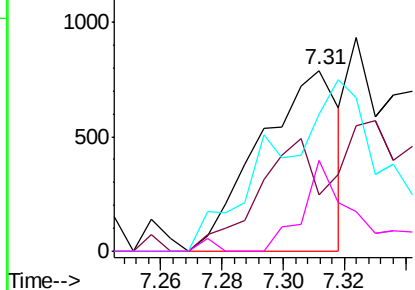
#41
Methacrylonitrile
Concen: 1.672 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tgt Ion: 41 Resp: 1417
Ion Ratio Lower Upper
41 100
39 45.9 48.4 72.6#
67 130.2 76.3 114.5#
52 32.7 29.0 43.6

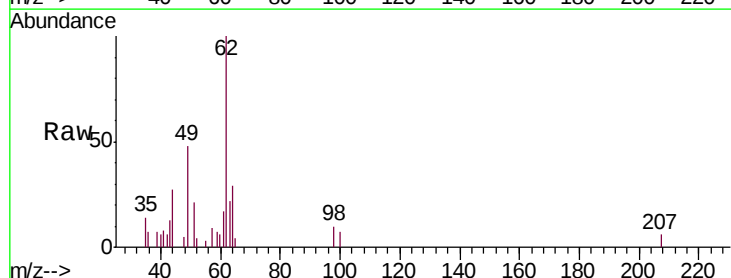


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

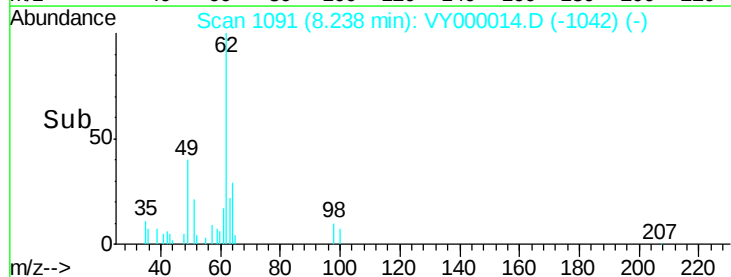
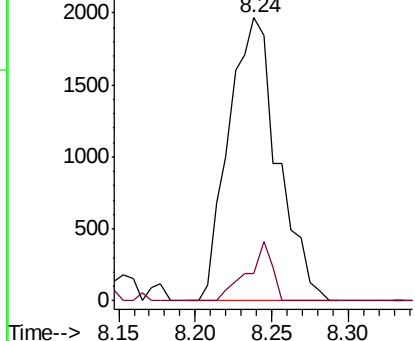


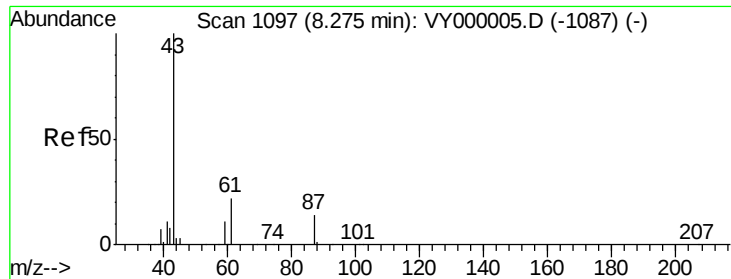
#42
1,2-Dichloroethane
Concen: 2.520 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 62 Resp: 4367
Ion Ratio Lower Upper
62 100
98 10.4 0.0 24.2



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





#43

Isopropyl Acetate

Concen: 2.628 ug/l

RT: 8.28 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

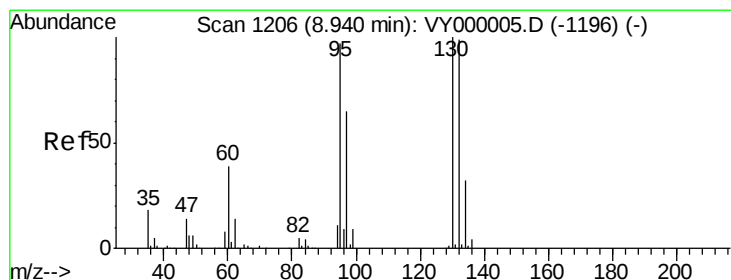
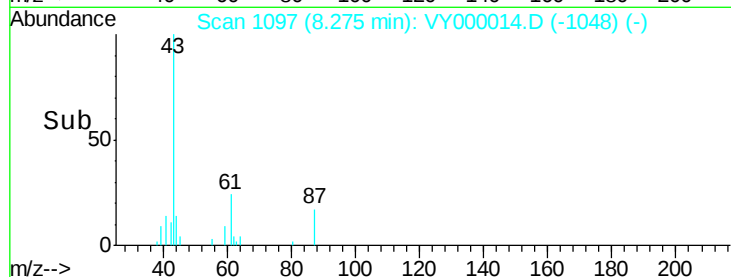
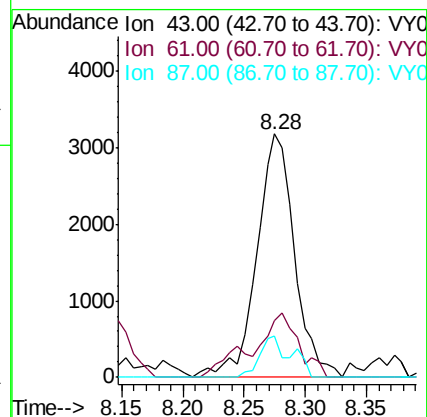
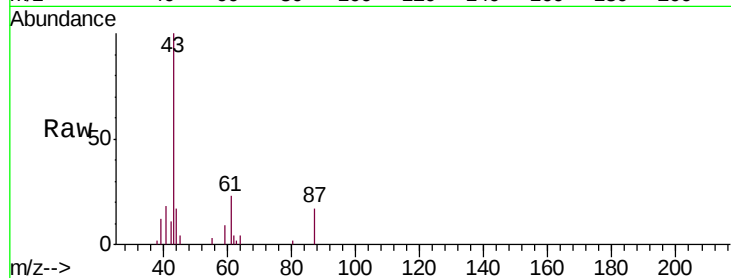
Tgt Ion: 43 Resp: 6831

Ion Ratio Lower Upper

43 100

61 23.2 25.2 37.8#

87 14.1 12.6 18.8



#44

Trichloroethene

Concen: 2.359 ug/l

RT: 8.93 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VY000014.D

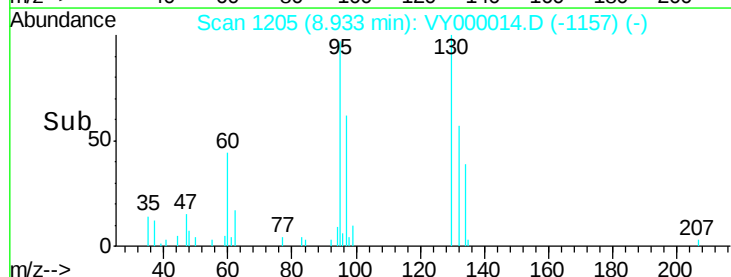
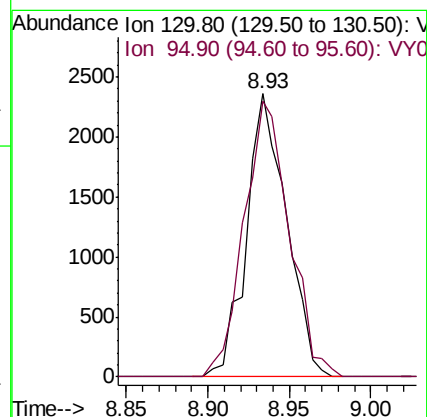
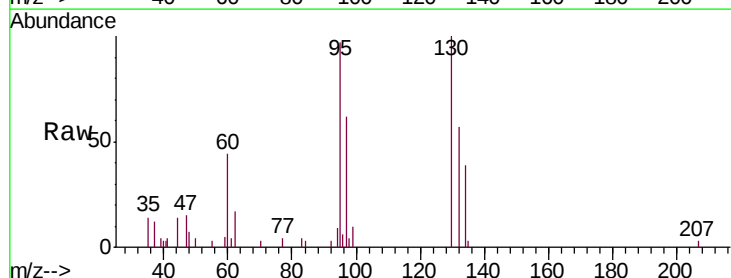
Acq: 11 Sep 2019 21:29

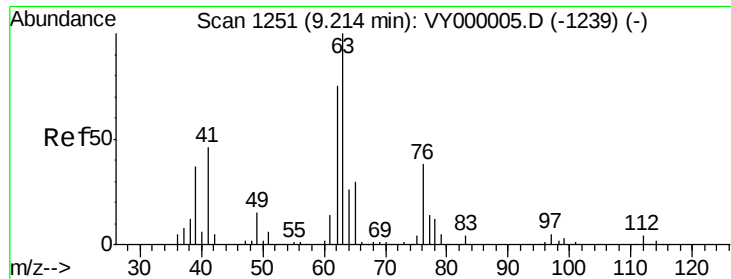
Tgt Ion: 130 Resp: 4034

Ion Ratio Lower Upper

130 100

95 97.2 0.0 194.2

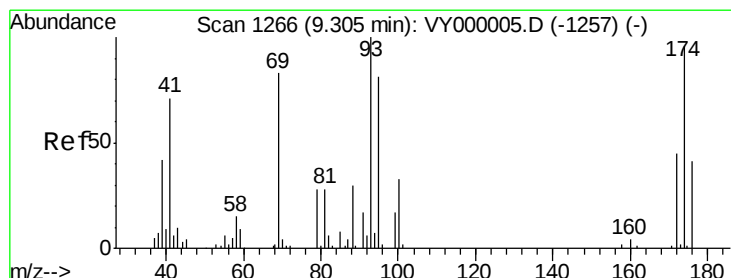
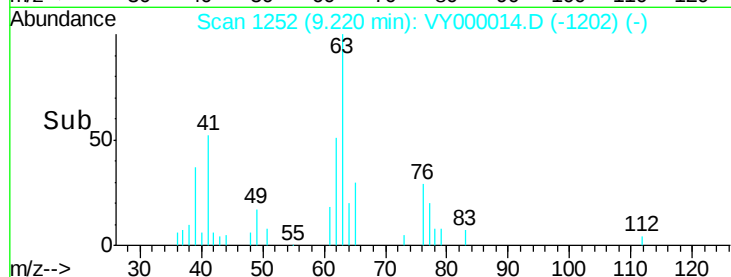
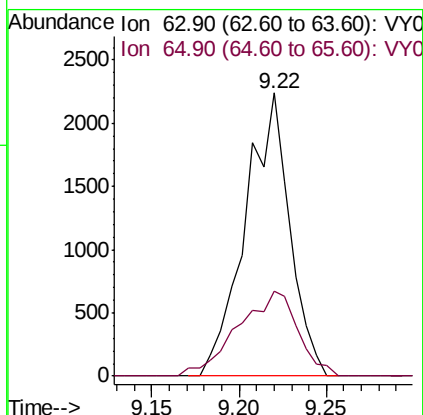
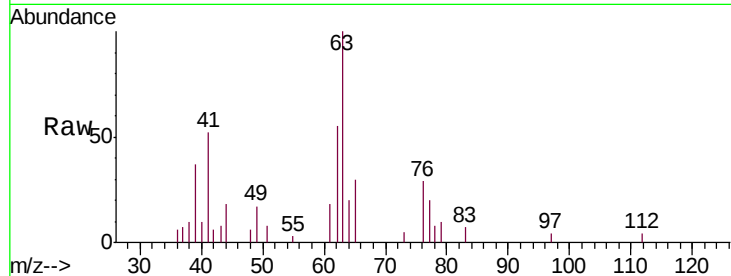




#45
 1,2-Dichloropropane
 Concen: 2.322 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

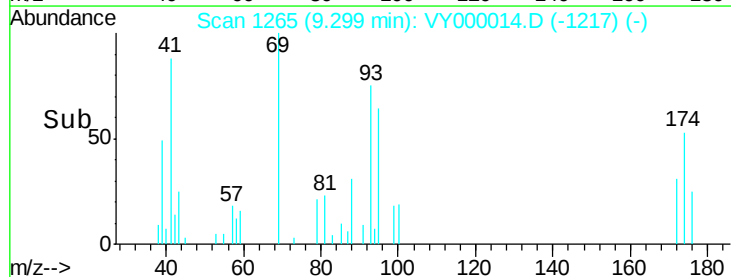
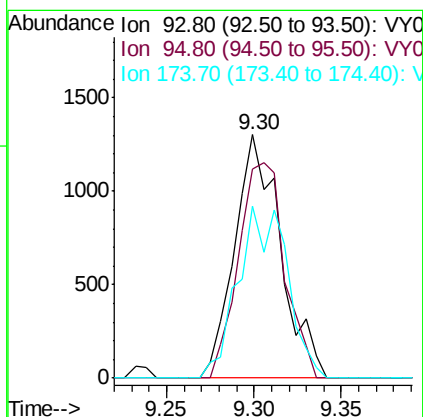
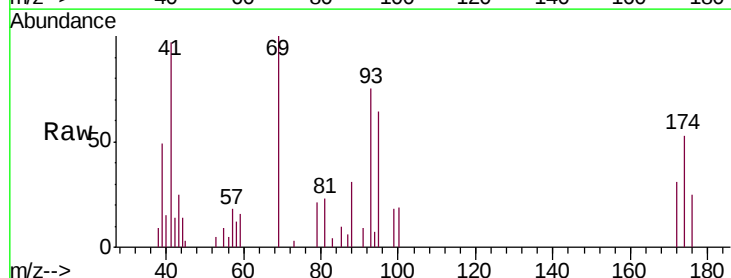
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

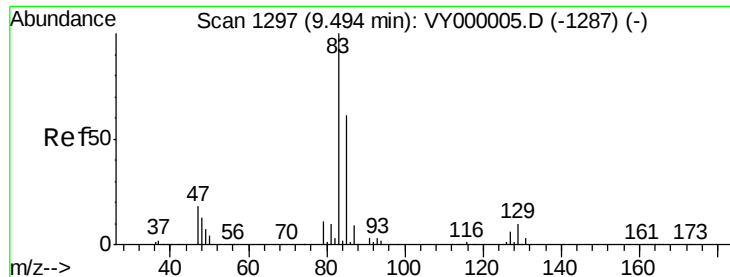
Tgt Ion: 63 Resp: 3963
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.3 36.5



#46
 Dibromomethane
 Concen: 2.587 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 93 Resp: 2389
 Ion Ratio Lower Upper
 93 100
 95 88.5 68.1 102.1
 174 75.2 72.8 109.2





#47

Bromodichloromethane

Concen: 2.489 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

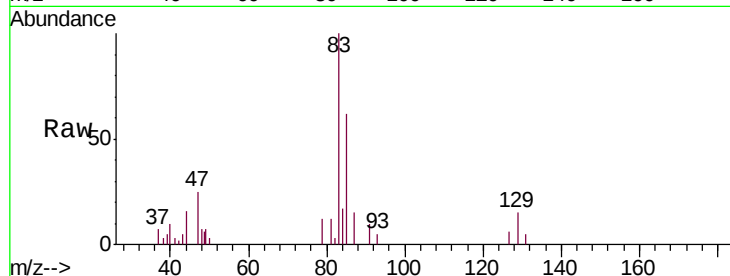
Tgt Ion: 83 Resp: 5504

Ion Ratio Lower Upper

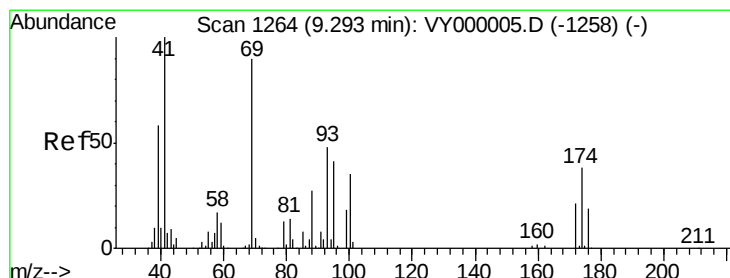
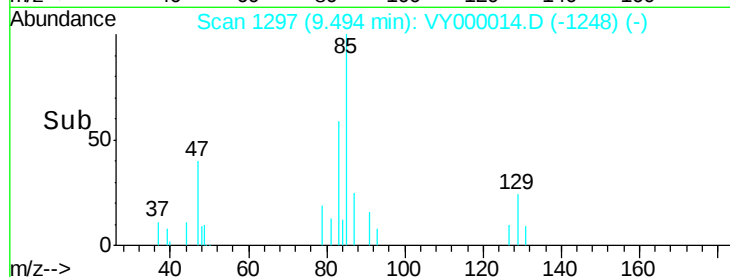
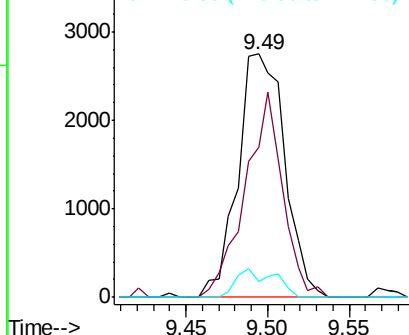
83 100

85 61.8 49.2 73.8

127 6.4 5.0 7.6



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: 2.565 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

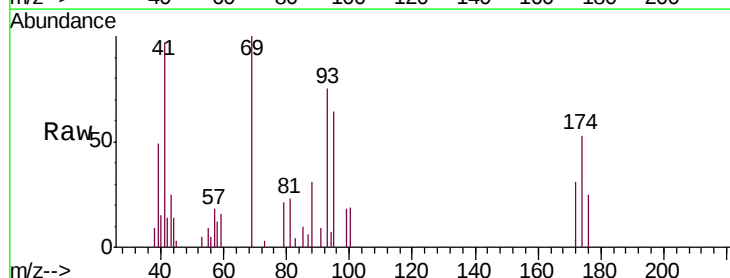
Tgt Ion: 41 Resp: 2945

Ion Ratio Lower Upper

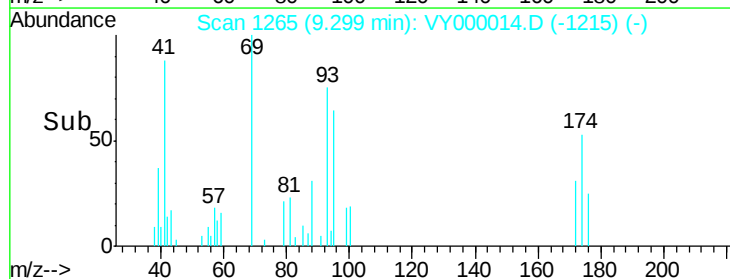
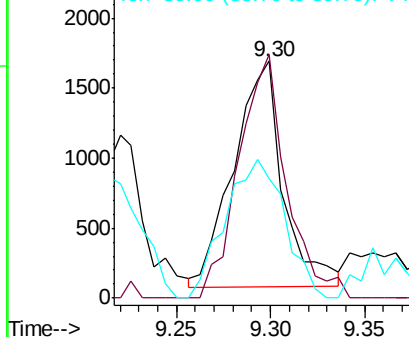
41 100

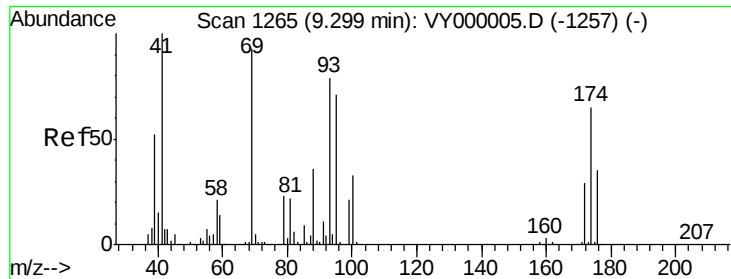
69 103.8 77.4 116.2

39 73.2 47.4 71.2#



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

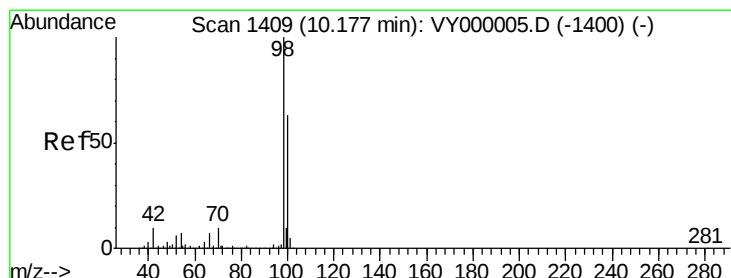
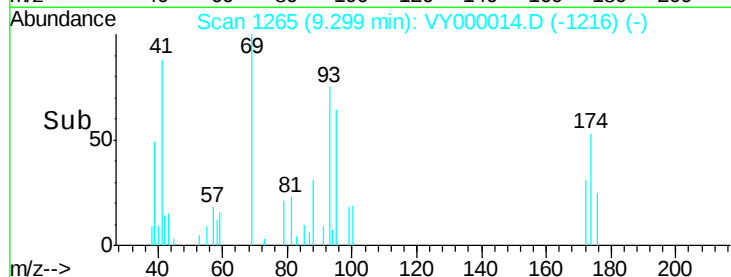
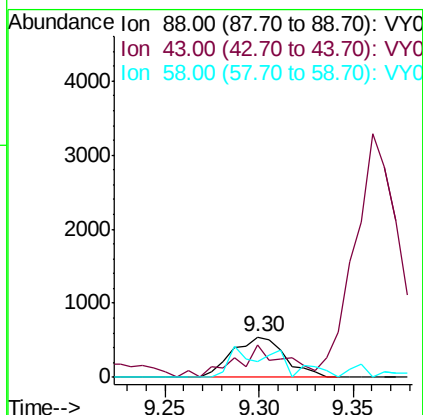
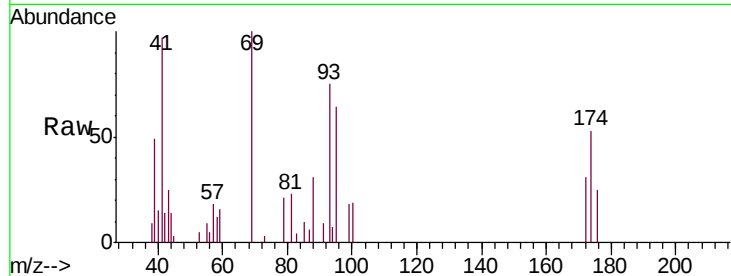




#49
1,4-Dioxane
Concen: 58.291 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

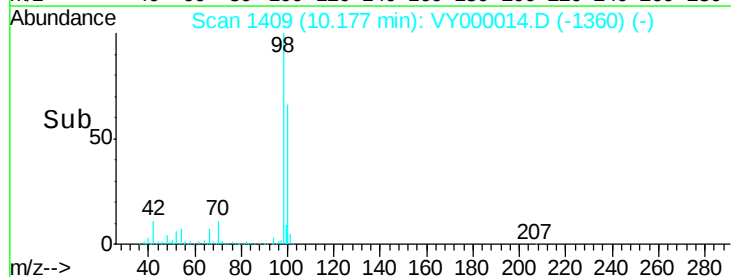
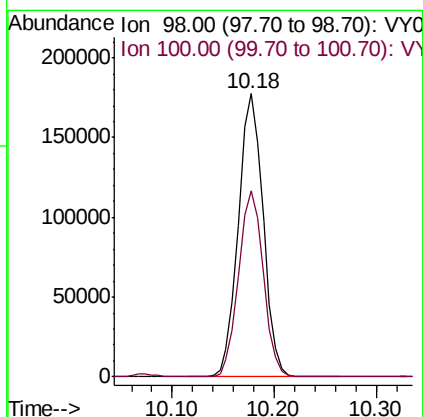
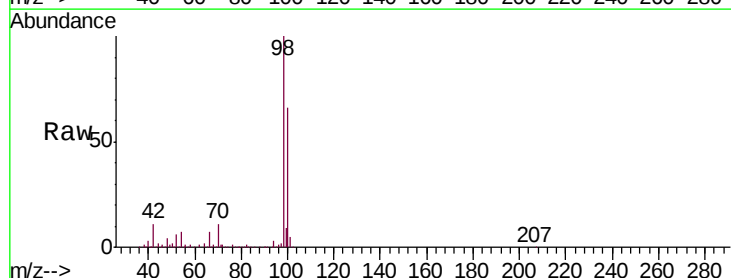
Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

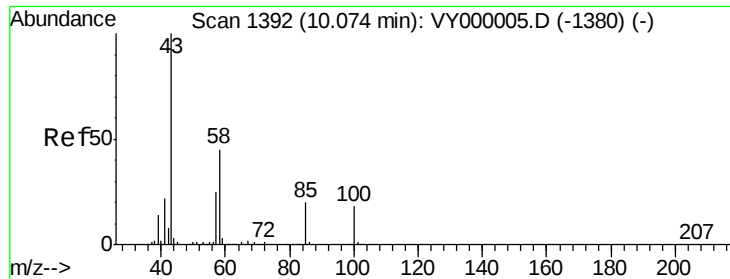
Tgt Ion: 88 Resp: 1058
Ion Ratio Lower Upper
88 100
43 76.4 23.4 35.2#
58 32.7 46.1 69.1#



#50
Toluene-d8
Concen: 45.591 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 98 Resp: 297674
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 11.773 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

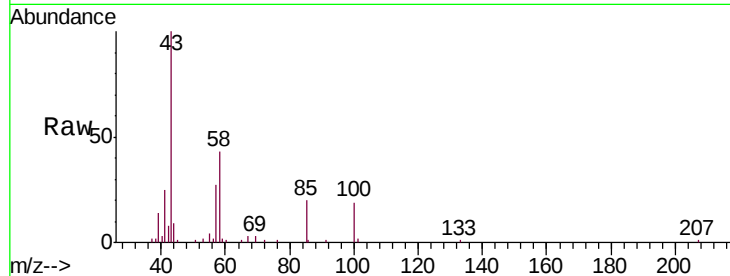
MDL 3 PPB

Tgt Ion: 43 Resp: 16843

Ion Ratio Lower Upper

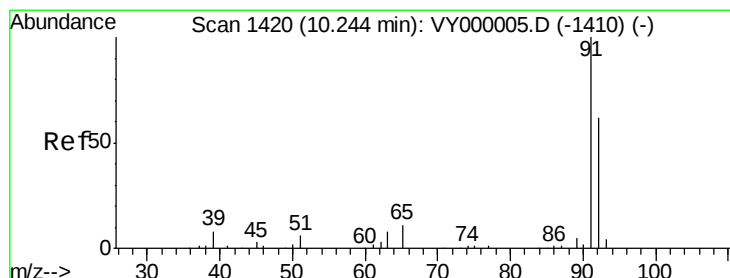
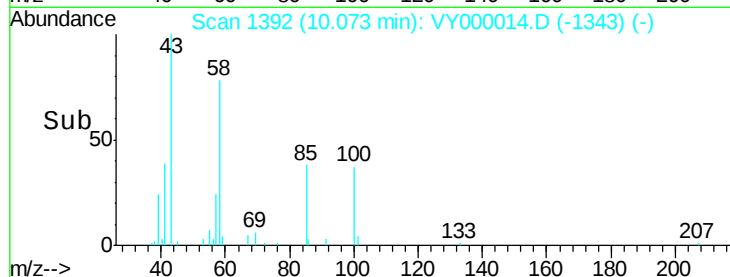
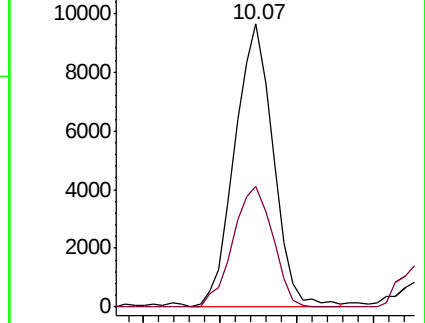
43 100

58 43.9 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 2.733 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VY000014.D

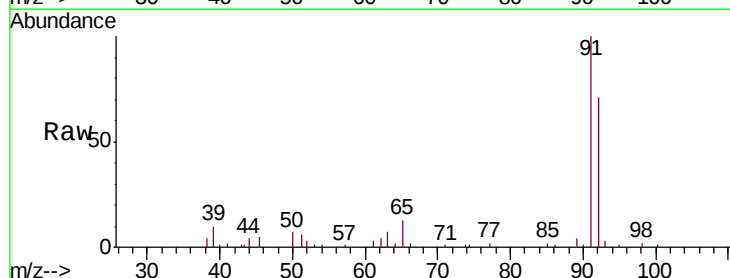
Acq: 11 Sep 2019 21:29

Tgt Ion: 92 Resp: 11437

Ion Ratio Lower Upper

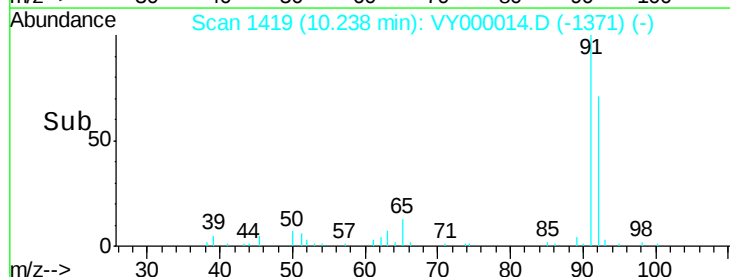
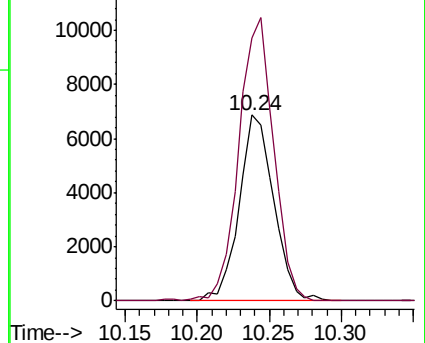
92 100

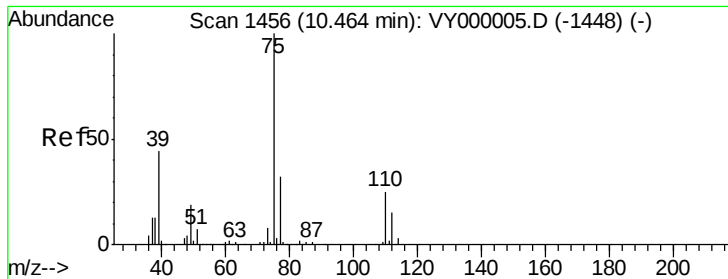
91 153.0 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 2.429 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

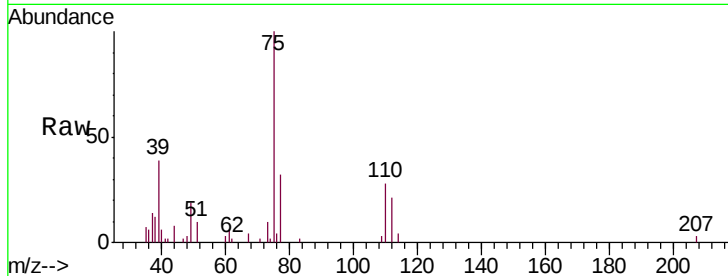
MDL 3 PPB

Tgt Ion: 75 Resp: 5643

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.46

4000

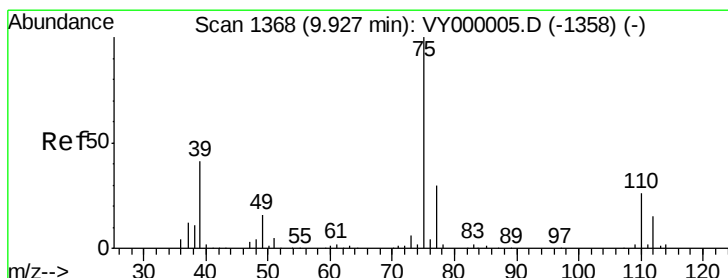
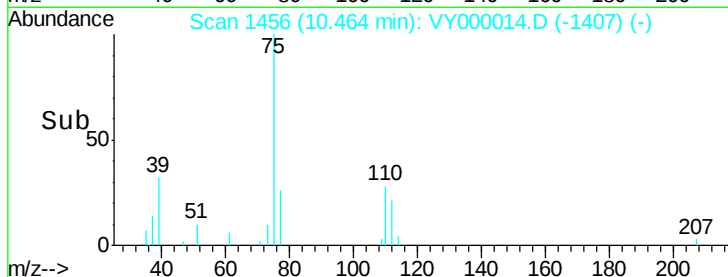
3000

2000

1000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 2.574 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

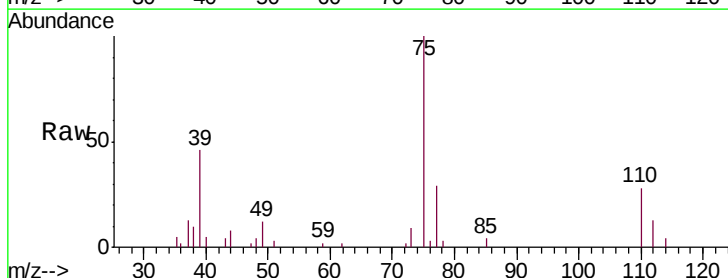
Tgt Ion: 75 Resp: 6981

Ion Ratio Lower Upper

75 100

77 29.4 24.1 36.1

39 45.9 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

6000

5000

4000

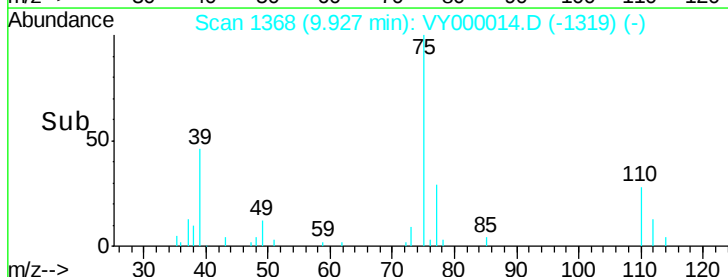
3000

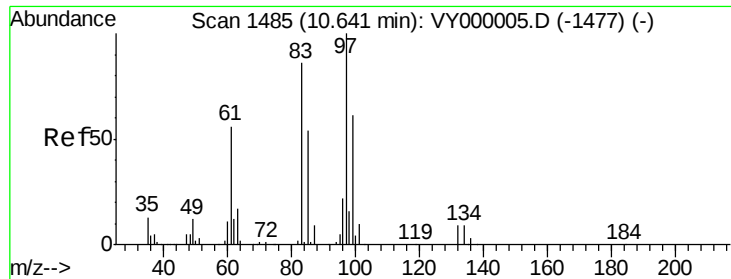
2000

1000

0

Time-->

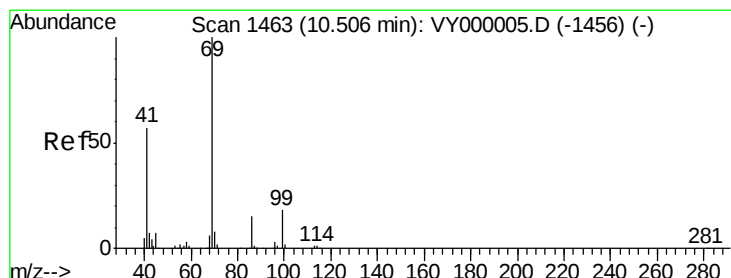
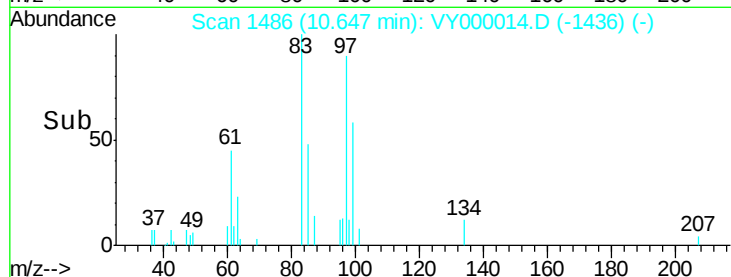
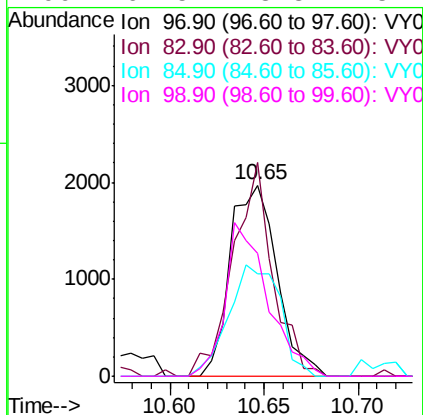
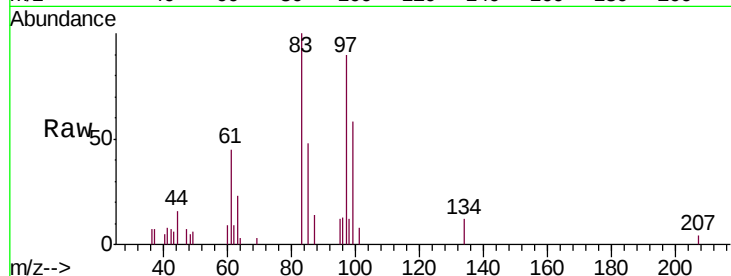




#55
 1,1,2-Trichloroethane
 Concen: 2.364 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

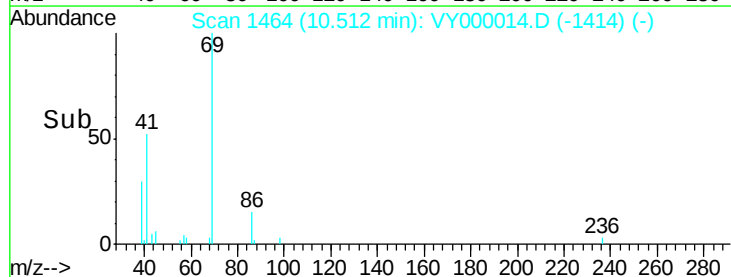
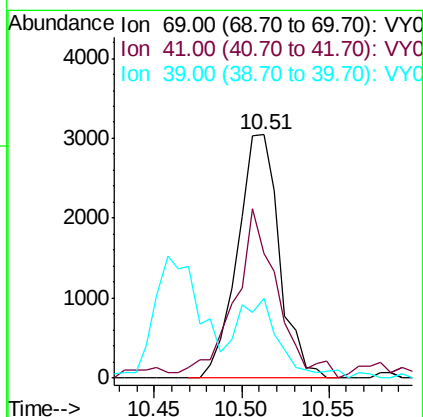
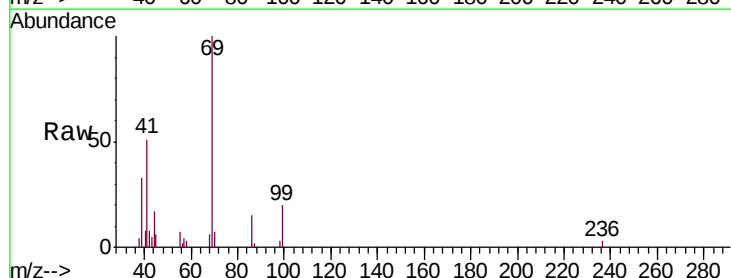
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL 3 PPB

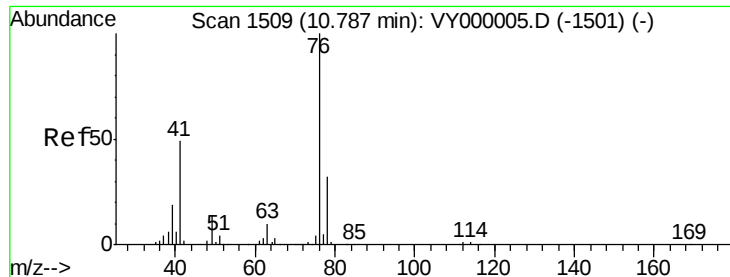
Tgt Ion: 97 Resp: 3384
 Ion Ratio Lower Upper
 97 100
 83 111.7 68.4 102.6#
 85 53.4 43.0 64.6
 99 64.5 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 2.458 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 69 Resp: 5064
 Ion Ratio Lower Upper
 69 100
 41 71.1 46.3 69.5#
 39 33.5 25.8 38.6





#57

1,3-Dichloropropane

Concen: 2.501 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

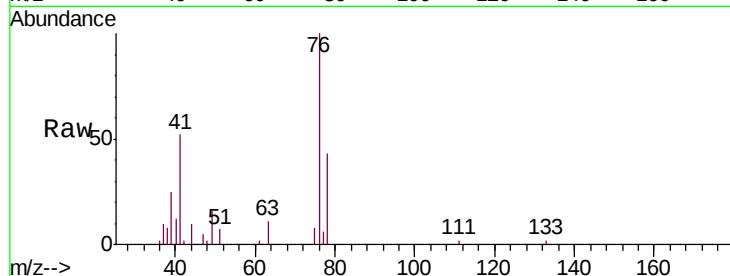
MDL 3 PPB

Tgt Ion: 76 Resp: 5906

Ion Ratio Lower Upper

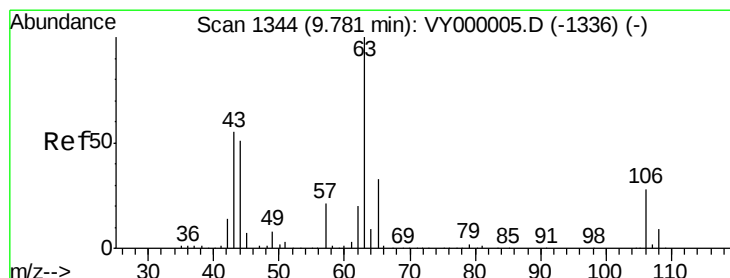
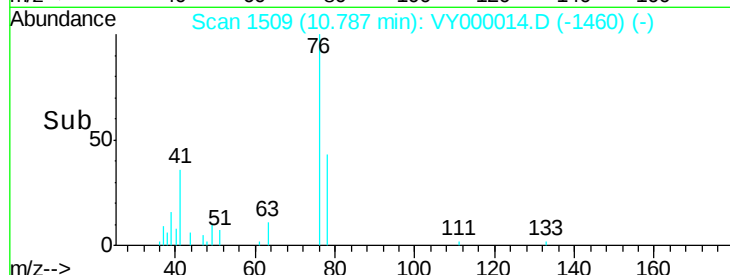
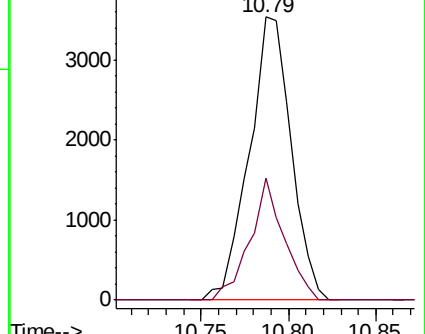
76 100

78 34.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 15.560 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000014.D

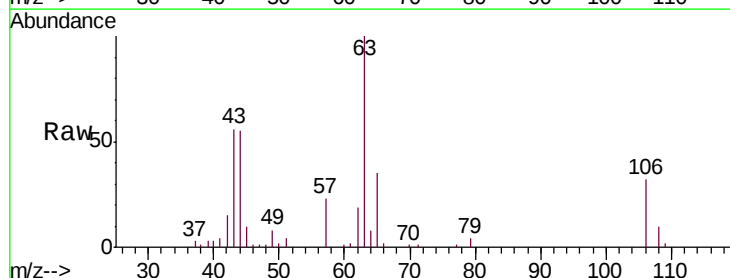
Acq: 11 Sep 2019 21:29

Tgt Ion: 63 Resp: 16540

Ion Ratio Lower Upper

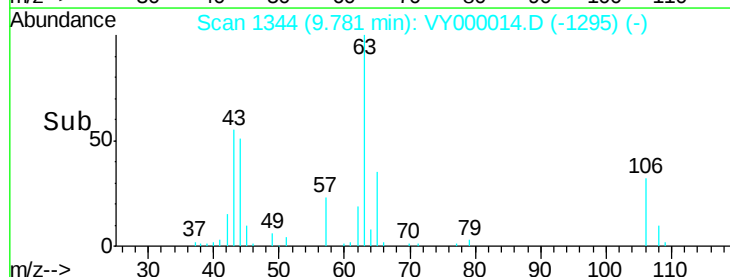
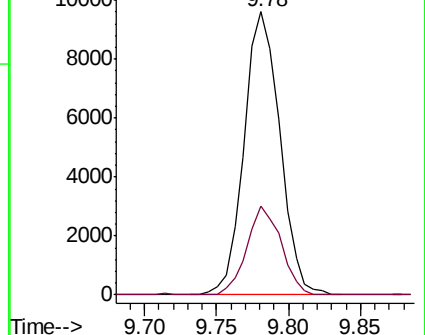
63 100

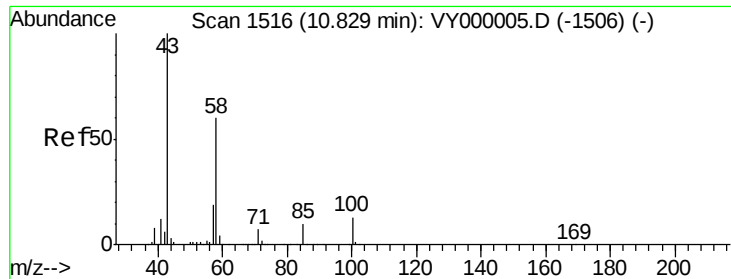
106 29.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

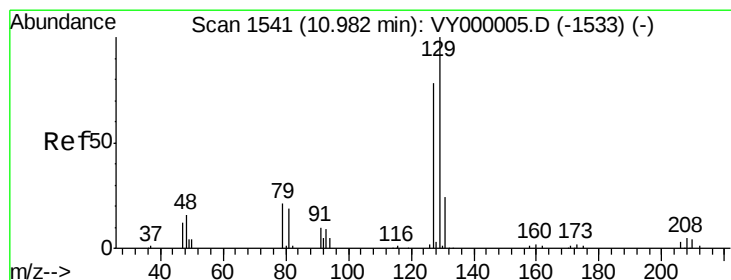
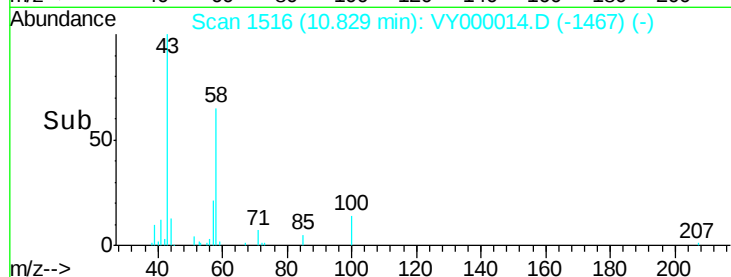
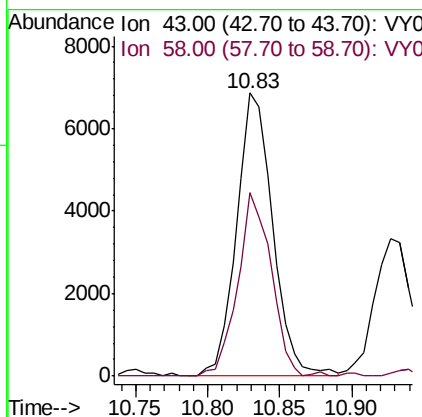
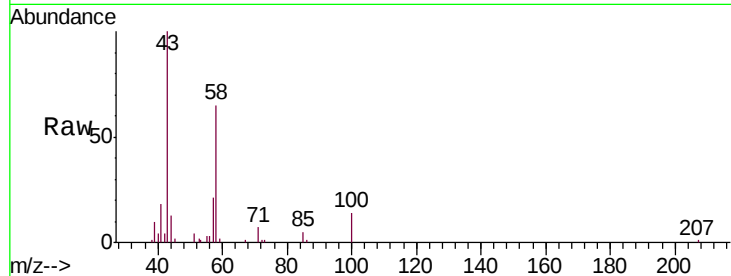




#59
2-Hexanone
Concen: 11.763 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

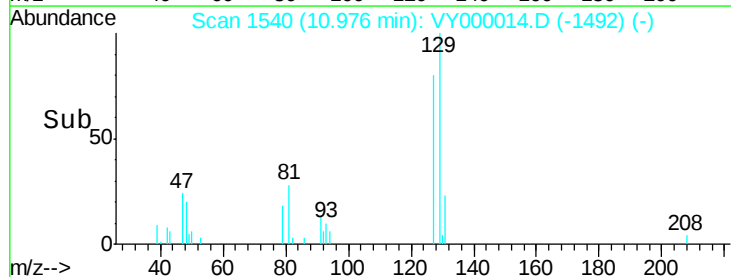
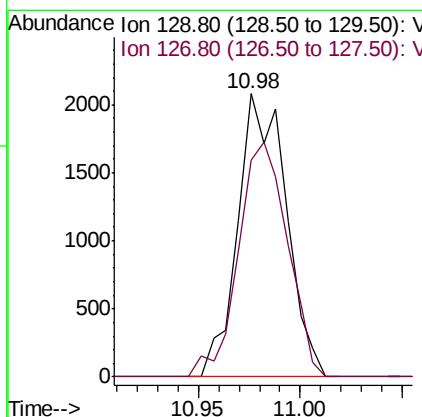
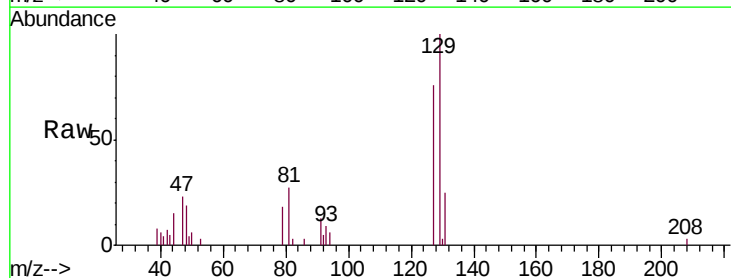
Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

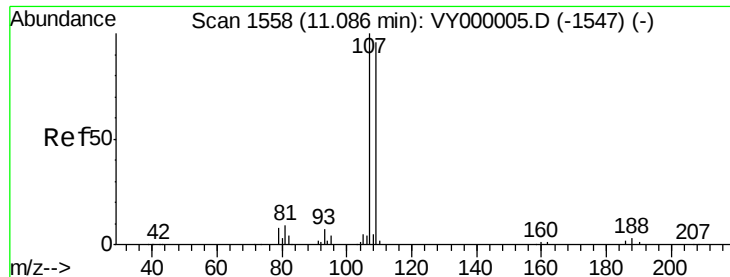
Tgt Ion: 43 Resp: 11982
Ion Ratio Lower Upper
43 100
58 59.6 29.8 89.5



#60
Dibromochloromethane
Concen: 2.242 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 129 Resp: 3420
Ion Ratio Lower Upper
129 100
127 84.4 39.2 117.6

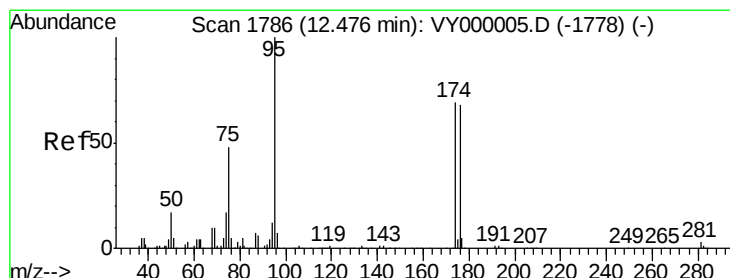
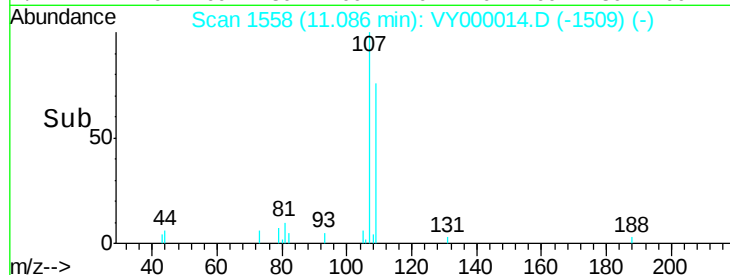
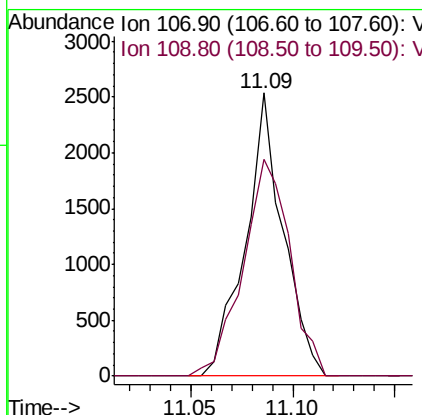
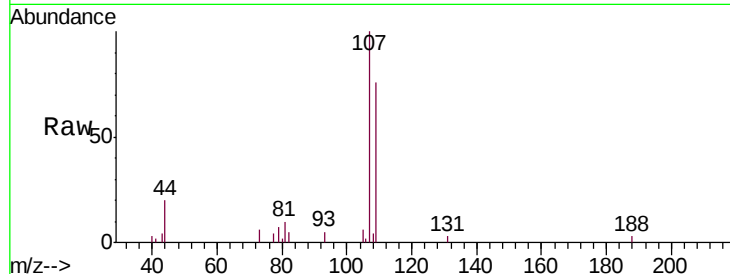




#61
 1,2-Dibromoethane
 Concen: 2.480 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

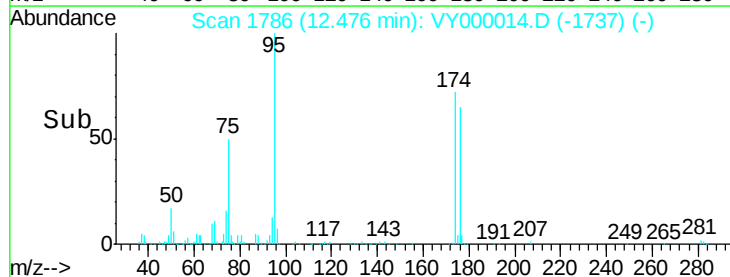
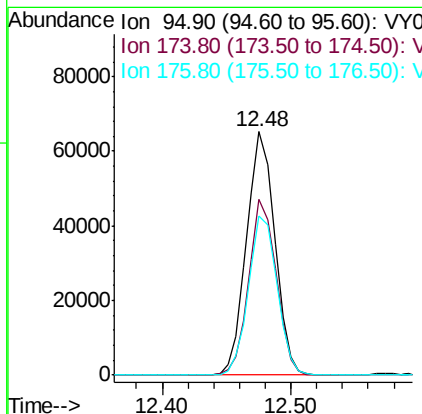
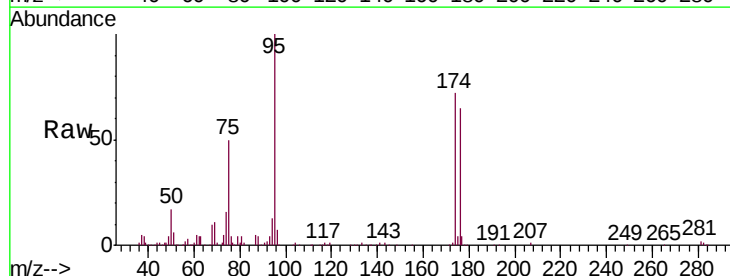
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

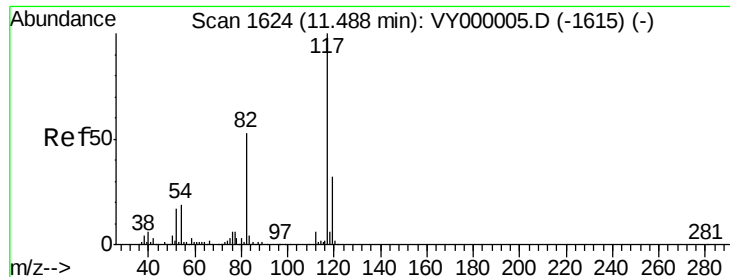
Tgt Ion: 107 Resp: 3265
 Ion Ratio Lower Upper
 107 100
 109 95.1 73.2 109.8



#62
 4-Bromofluorobenzene
 Concen: 42.681 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion: 95 Resp: 98773
 Ion Ratio Lower Upper
 95 100
 174 70.1 0.0 145.8
 176 66.3 0.0 138.0

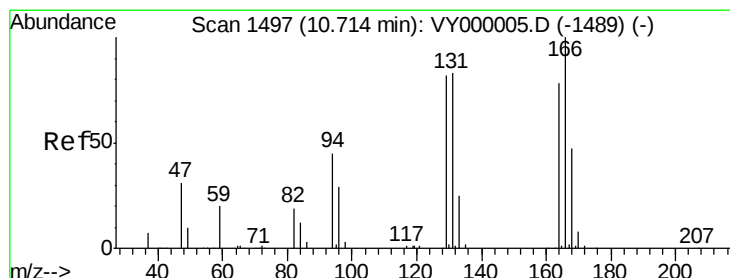
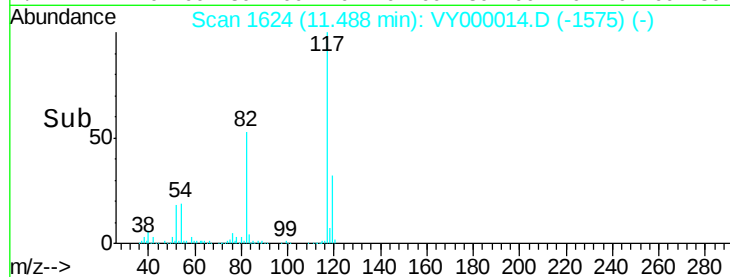
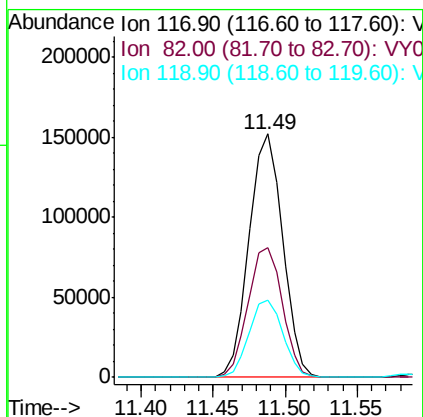
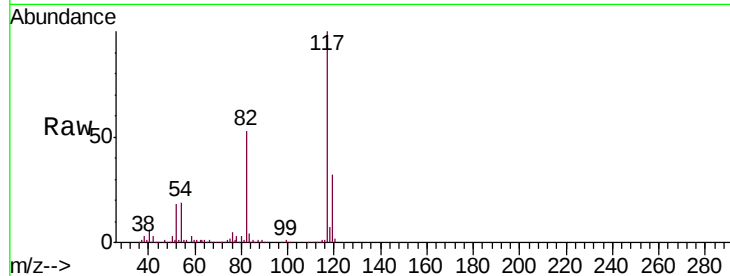




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

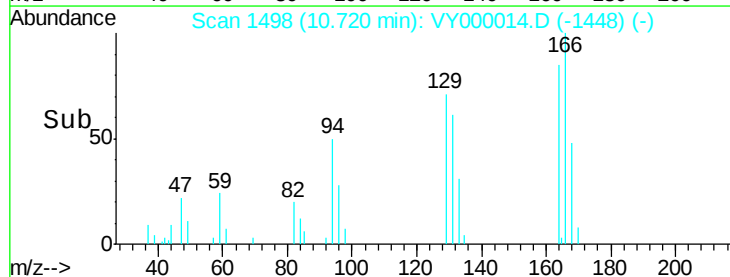
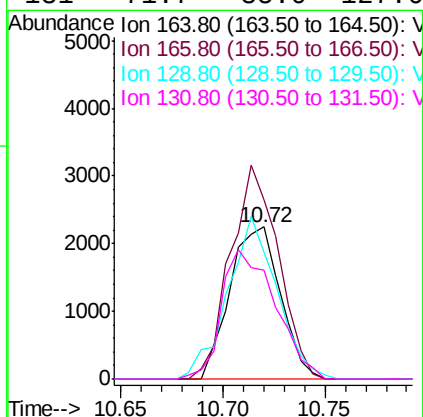
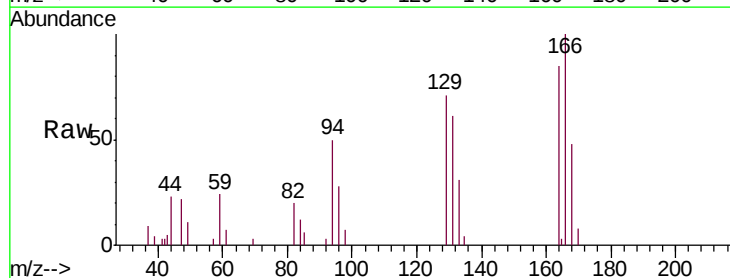
Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

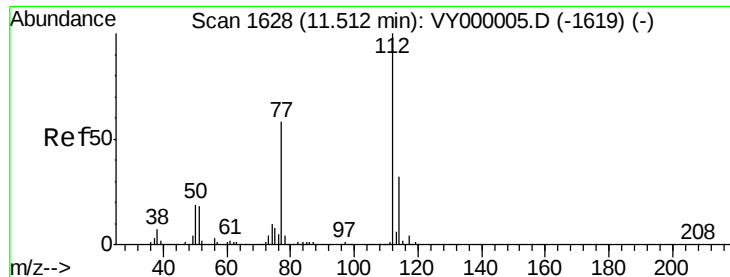
Tgt Ion:117 Resp: 245767
Ion Ratio Lower Upper
117 100
82 53.0 42.3 63.5
119 31.7 25.8 38.8



#64
Tetrachloroethene
Concen: 2.574 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion:164 Resp: 3867
Ion Ratio Lower Upper
164 100
166 117.9 102.5 153.7
129 83.2 83.8 125.8#
131 71.7 85.0 127.6#

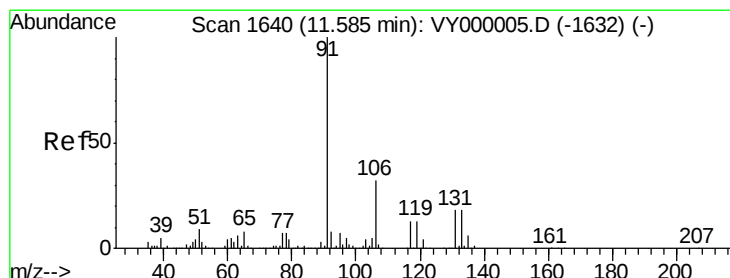
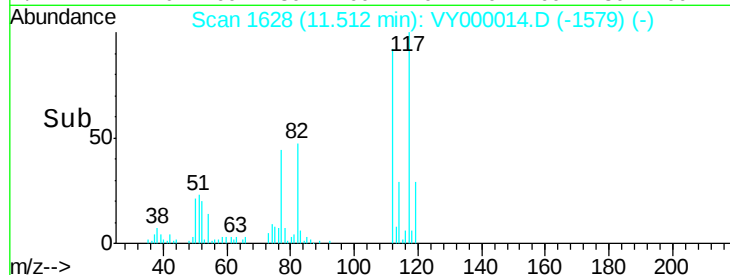
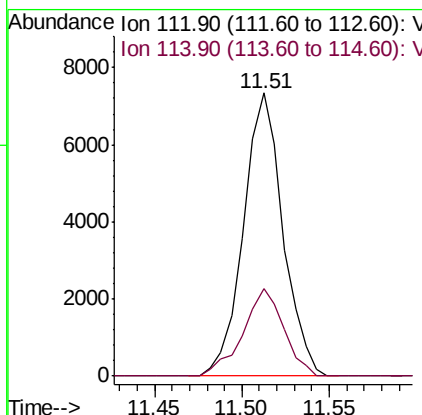
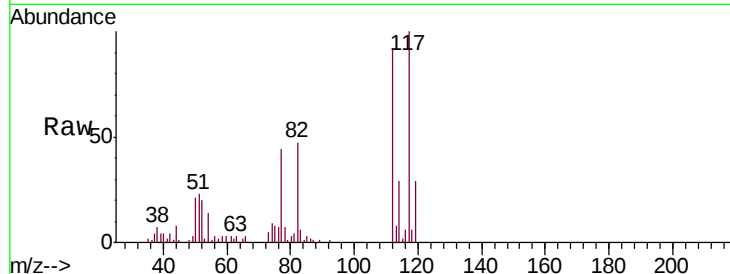




#65
Chlorobenzene
Concen: 2.529 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

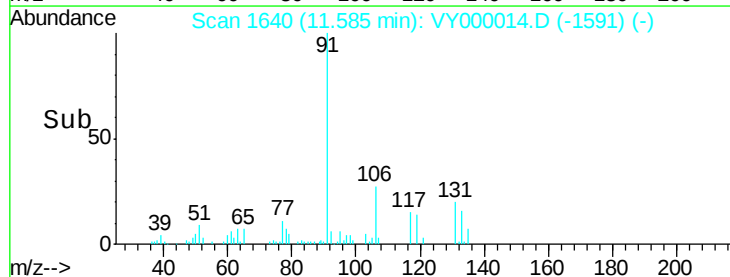
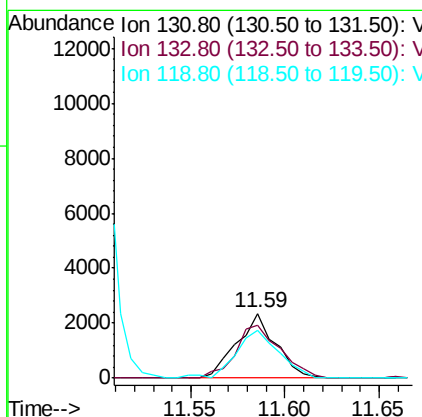
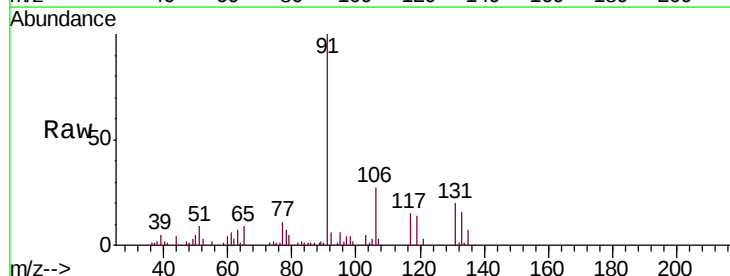
Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

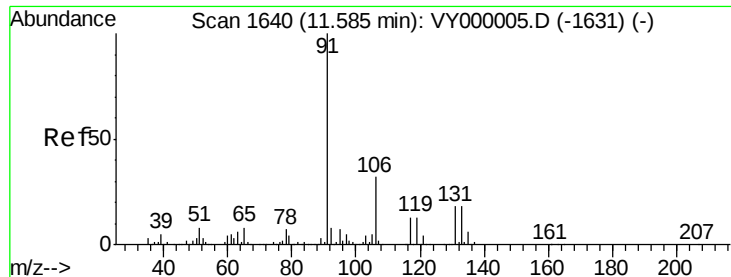
Tgt Ion:112 Resp: 11490
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 2.210 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion:131 Resp: 3397
Ion Ratio Lower Upper
131 100
133 92.9 48.7 146.1
119 80.9 35.8 107.3





#67

Ethyl Benzene

Concen: 2.404 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

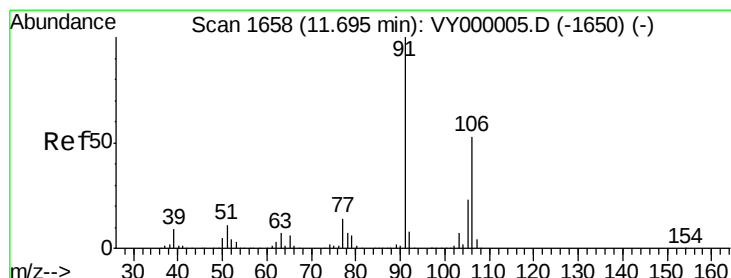
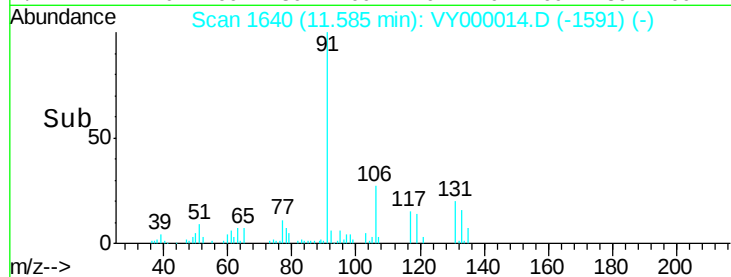
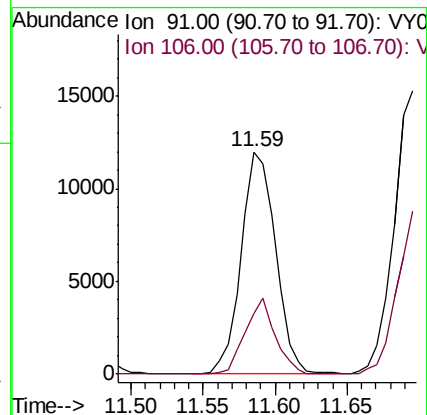
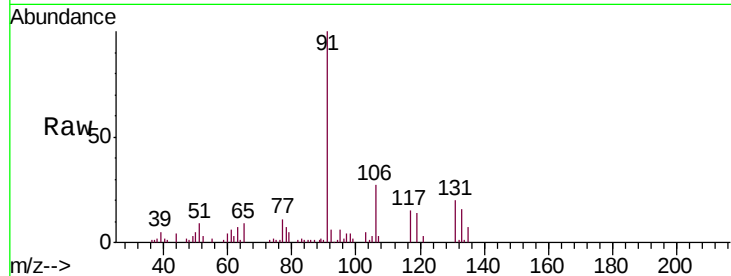
MDL 3 PPB

Tgt Ion: 91 Resp: 19957

Ion Ratio Lower Upper

91 100

106 27.1 25.4 38.2



#68

m/p-Xylenes

Concen: 4.767 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VY000014.D

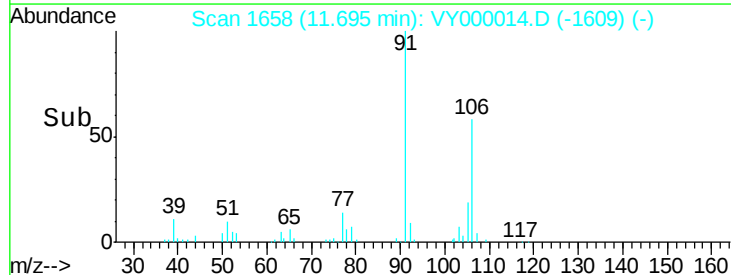
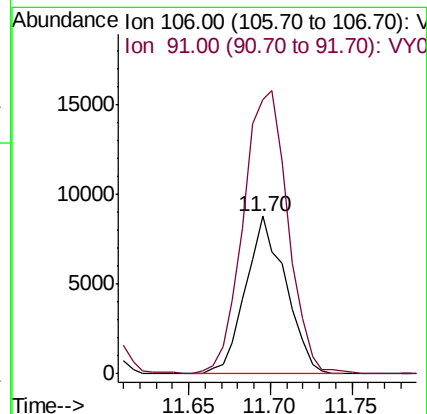
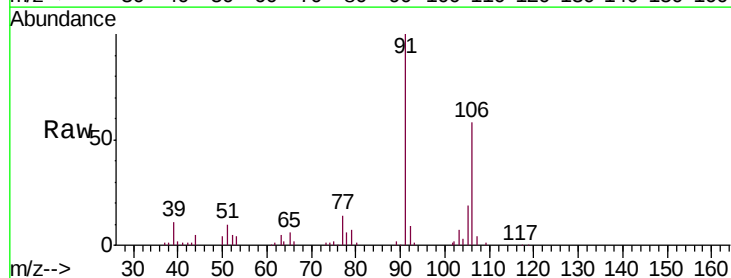
Acq: 11 Sep 2019 21:29

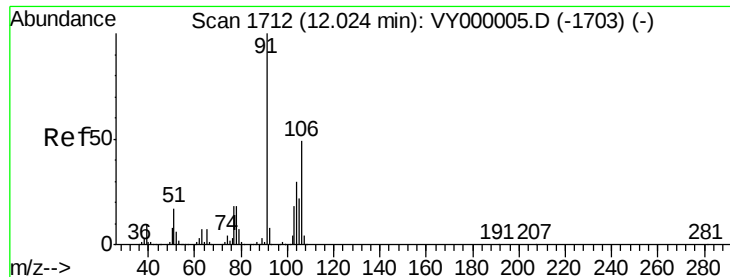
Tgt Ion: 106 Resp: 15029

Ion Ratio Lower Upper

106 100

91 200.0 157.1 235.7

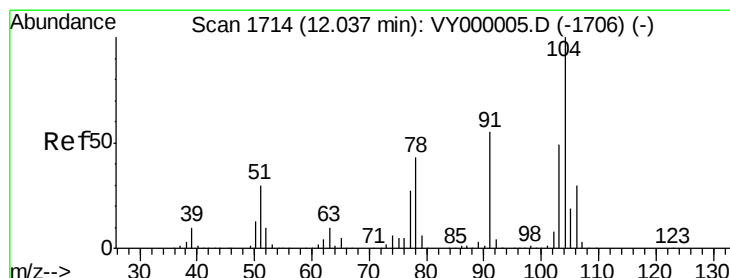
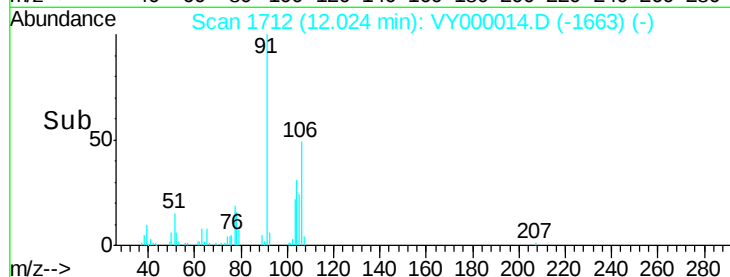
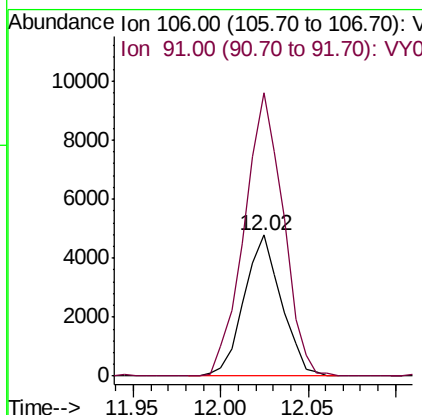
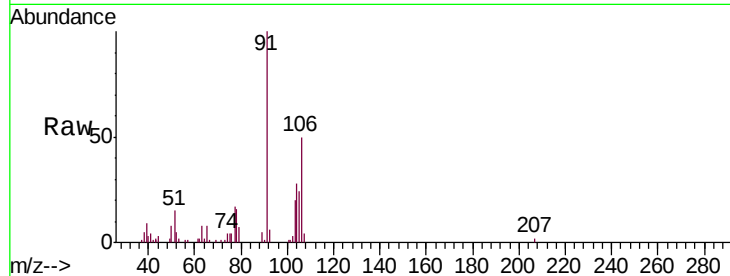




#69
o-Xylene
Concen: 2.346 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

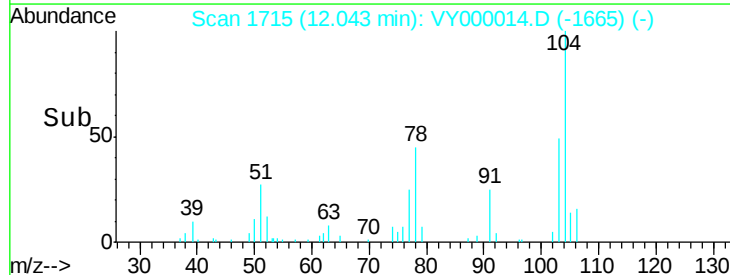
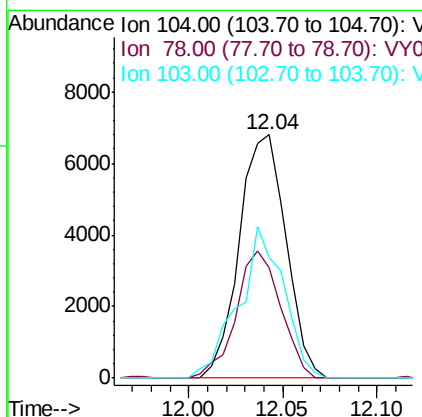
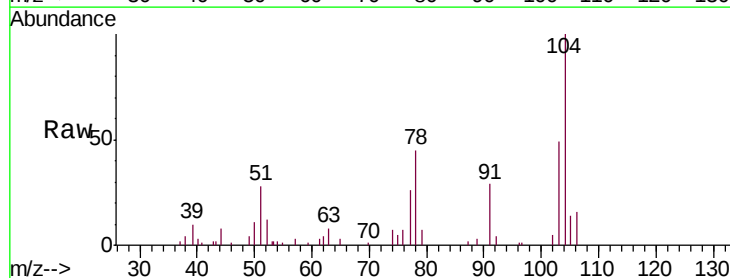
Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

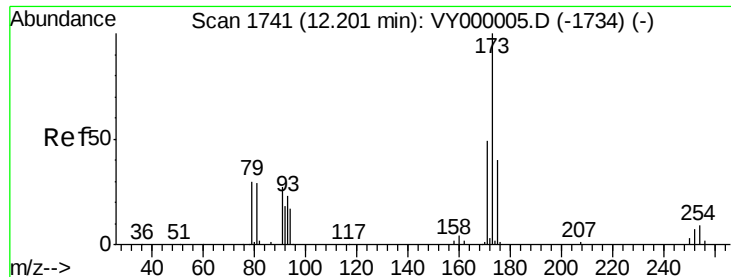
Tgt Ion:106 Resp: 7114
Ion Ratio Lower Upper
106 100
91 208.9 100.6 301.8



#70
Styrene
Concen: 2.215 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion:104 Resp: 11693
Ion Ratio Lower Upper
104 100
78 49.6 37.6 56.4
103 60.0 42.6 63.8





#71

Bromoform

Concen: 2.181 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

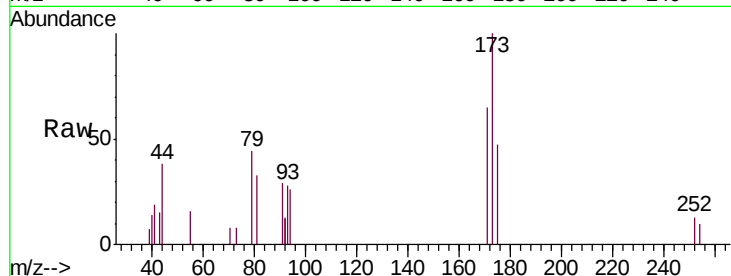
Tgt Ion:173 Resp: 2031

Ion Ratio Lower Upper

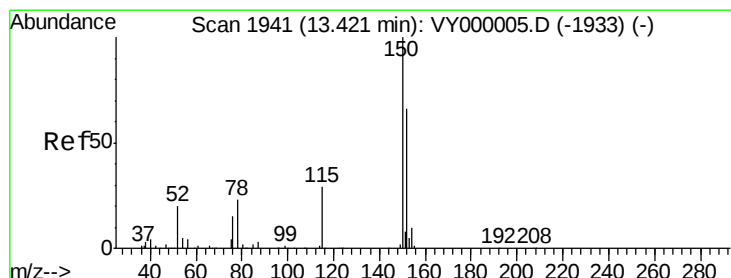
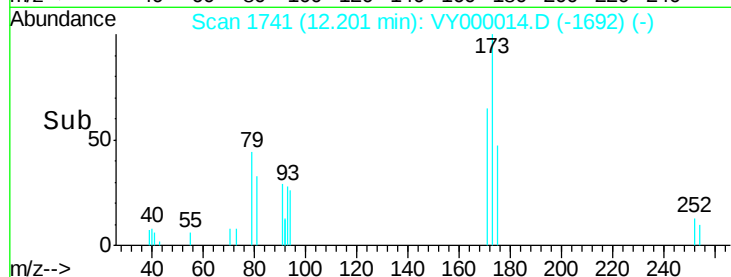
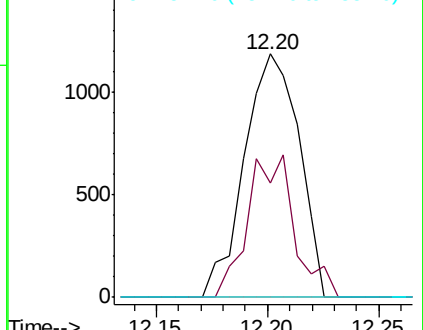
173 100

175 50.1 23.8 71.5

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

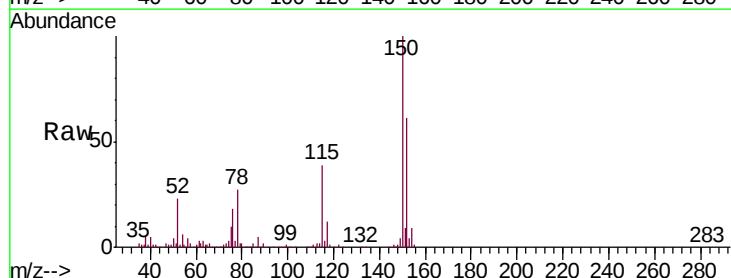
Tgt Ion:152 Resp: 99871

Ion Ratio Lower Upper

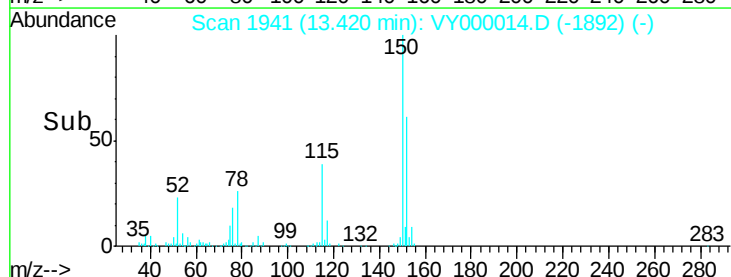
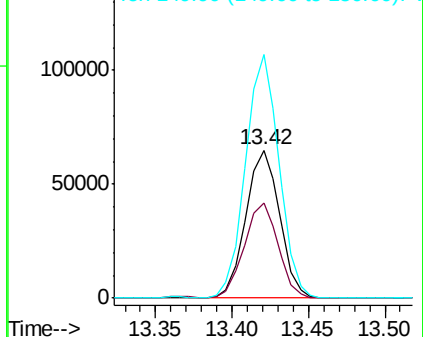
152 100

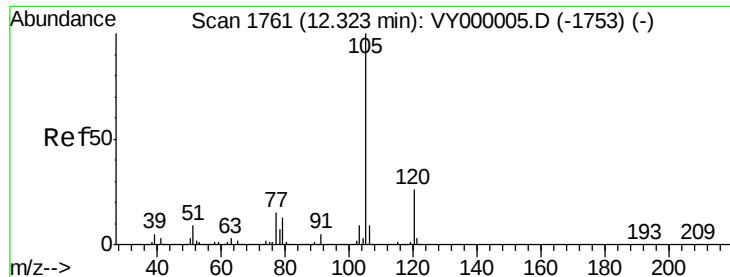
115 64.5 30.3 91.0

150 163.2 0.0 347.4



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: 2.371 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

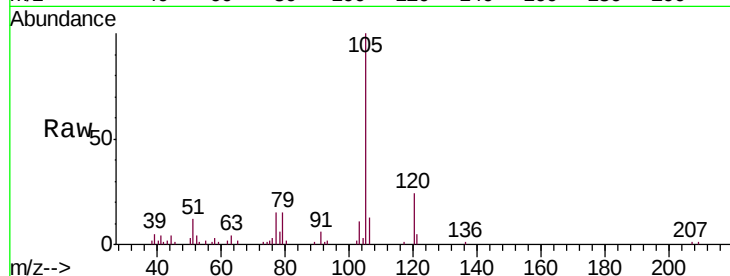
MDL 3 PPB

Tgt Ion:105 Resp: 17907

Ion Ratio Lower Upper

105 100

120 24.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

4000

2000

0

12.25

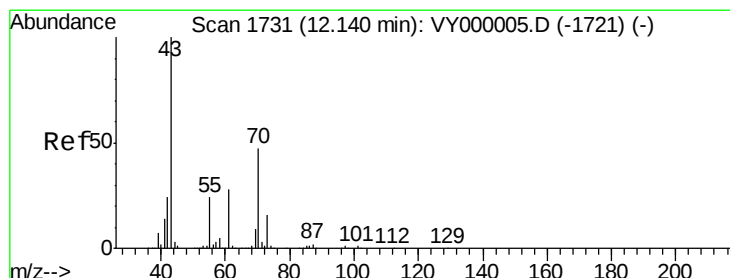
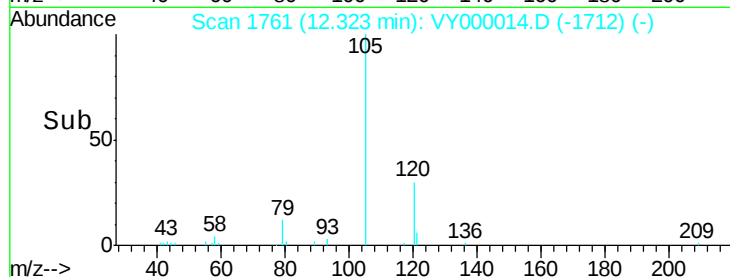
12.30

12.32

12.35

12.40

Time-->



#74

N-ethyl acetate

Concen: 2.695 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion: 43 Resp: 5649

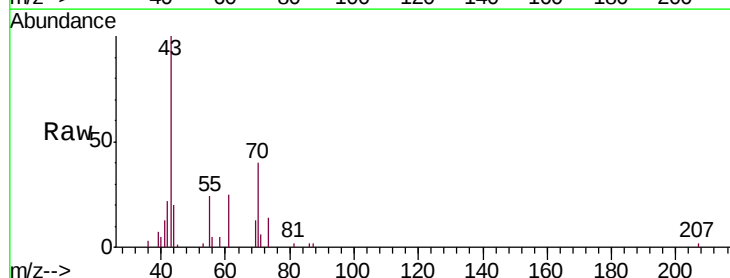
Ion Ratio Lower Upper

43 100

70 42.0 38.1 57.1

55 27.9 19.9 29.9

61 26.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

6000

5000

4000

3000

2000

1000

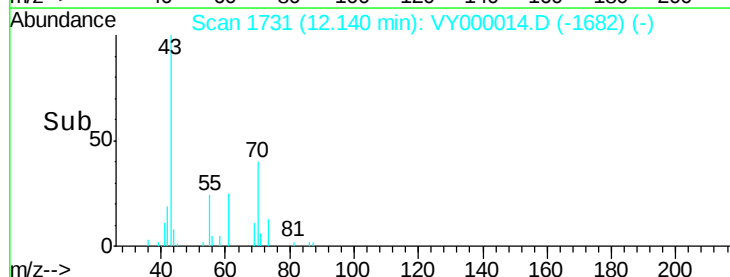
0

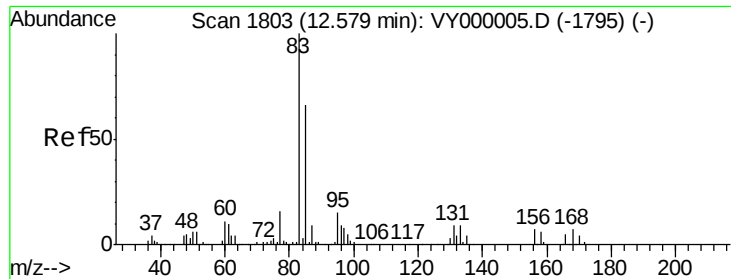
12.10

12.14

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.479 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

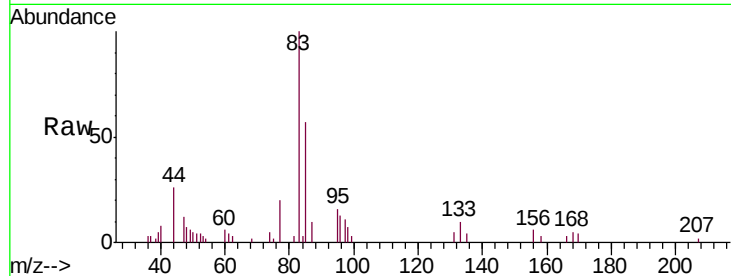
Tgt Ion: 83 Resp: 4313

Ion Ratio Lower Upper

83 100

131 7.5 5.0 14.9

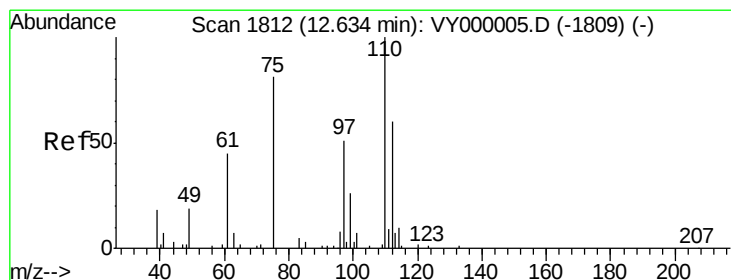
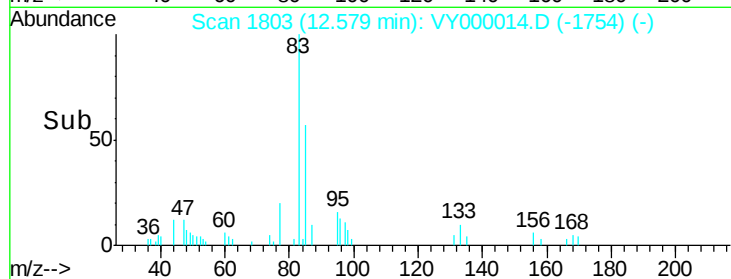
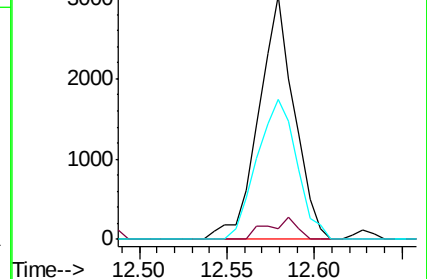
85 64.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 4.824 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VY000014.D

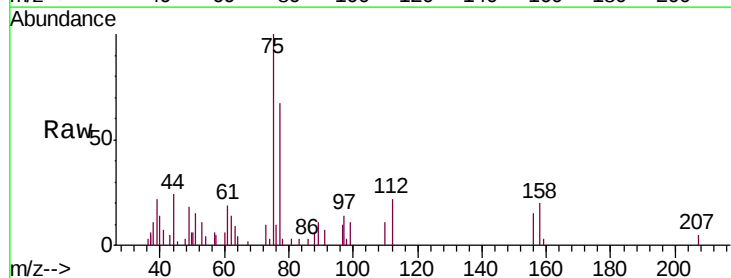
Acq: 11 Sep 2019 21:29

Tgt Ion: 75 Resp: 5685

Ion Ratio Lower Upper

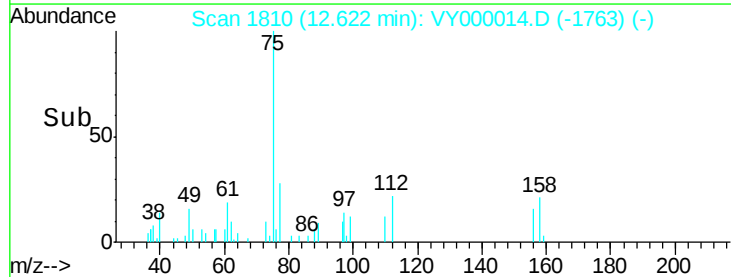
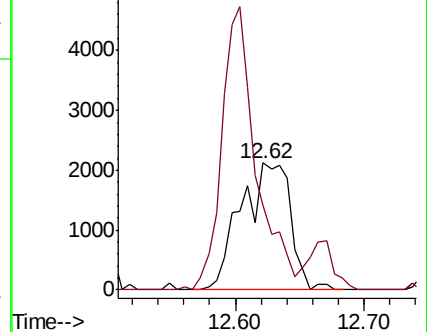
75 100

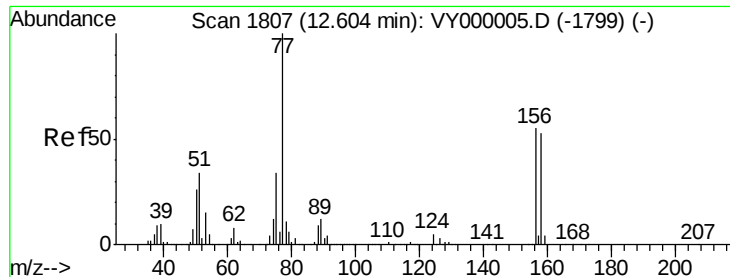
77 154.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

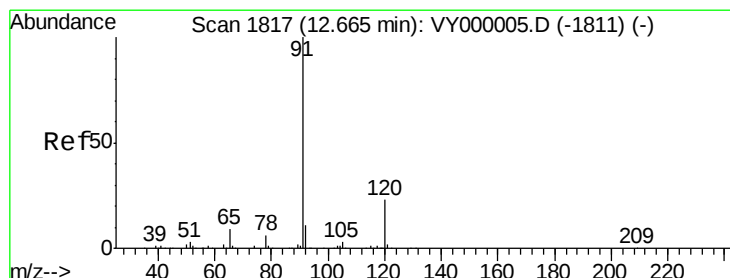
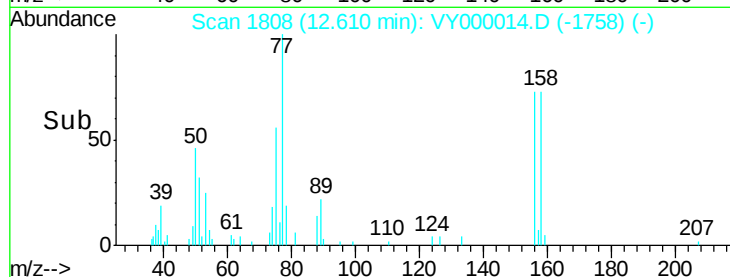
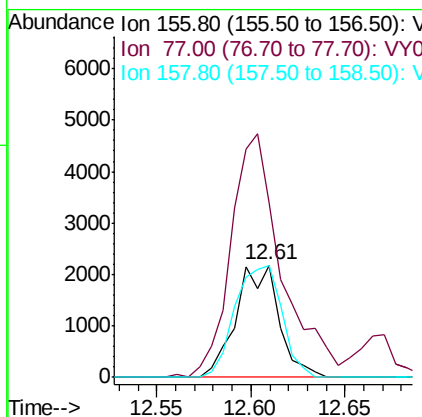
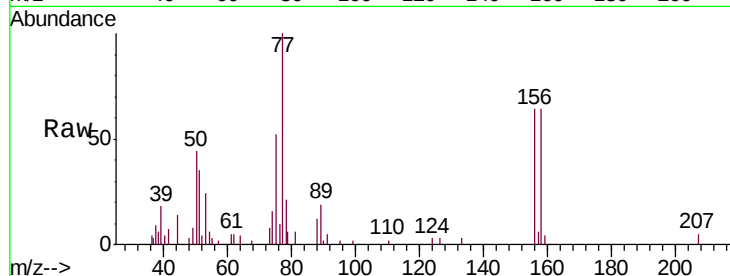




#77
Bromobenzene
Concen: 2.148 ug/l
RT: 12.61 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

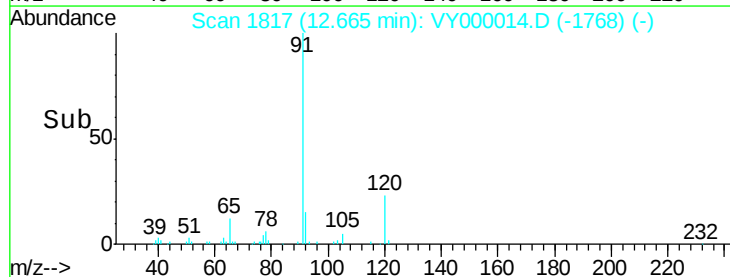
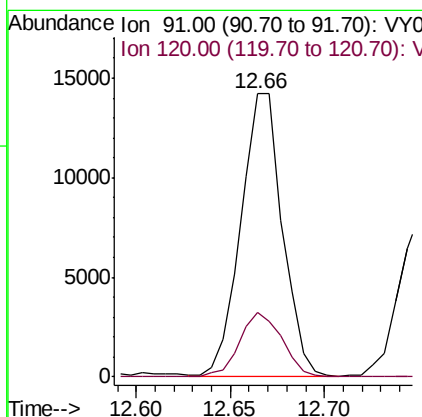
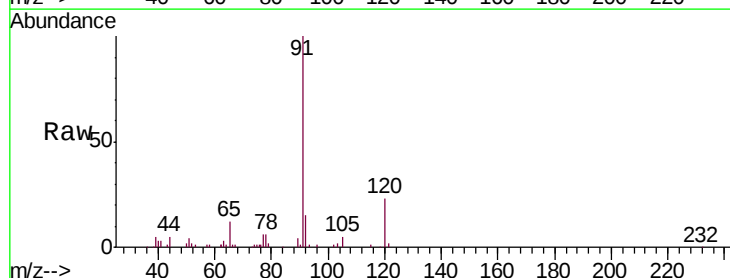
Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

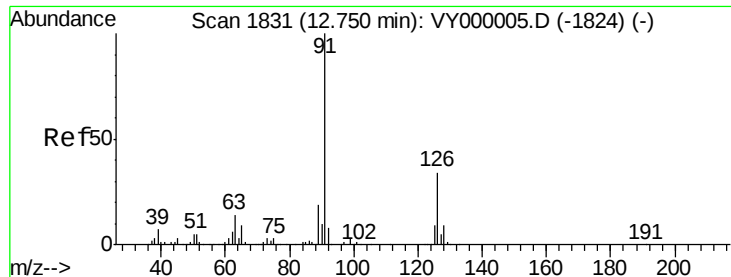
Tgt Ion:156 Resp: 3458
Ion Ratio Lower Upper
156 100
77 254.3 106.5 319.6
158 107.9 48.2 144.6



#78
n-propylbenzene
Concen: 2.391 ug/l
RT: 12.66 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 91 Resp: 21848
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 2.387 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

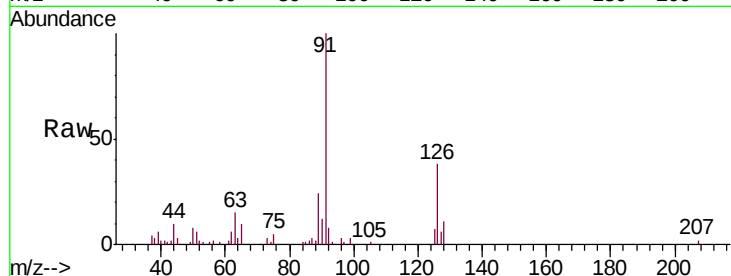
MDL 3 PPB

Tgt Ion: 91 Resp: 12101

Ion Ratio Lower Upper

91 100

126 35.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VY000005.D (-1824) (-)

Ion 125.90 (125.60 to 126.60): VY000005.D (-1824) (-)

15000

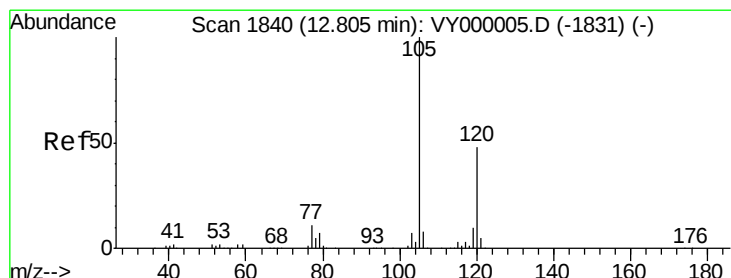
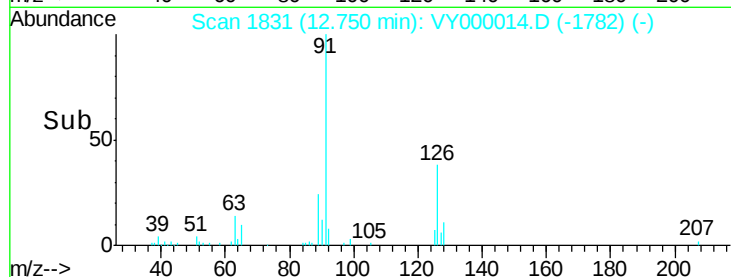
10000

5000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.493 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000014.D

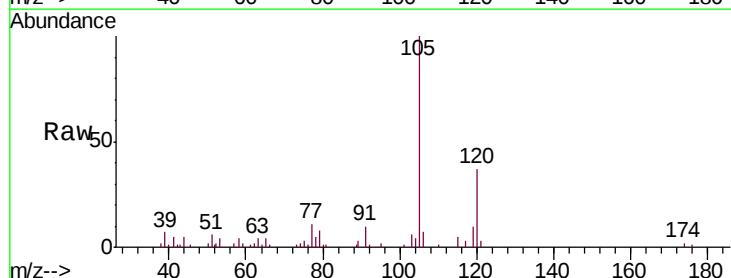
Acq: 11 Sep 2019 21:29

Tgt Ion: 105 Resp: 15566

Ion Ratio Lower Upper

105 100

120 44.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000005.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000005.D (-1831) (-)

12000

10000

8000

6000

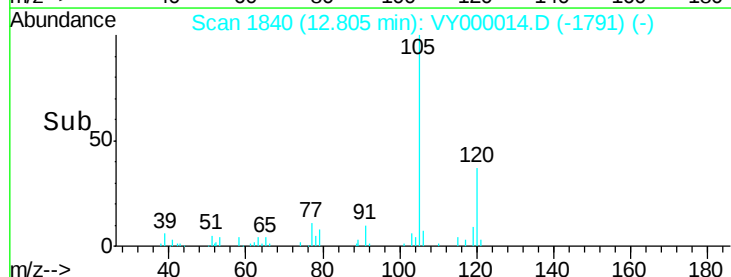
4000

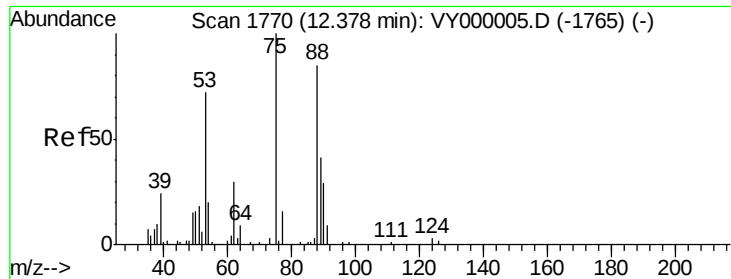
2000

0

12.75 12.80 12.85

Time-->

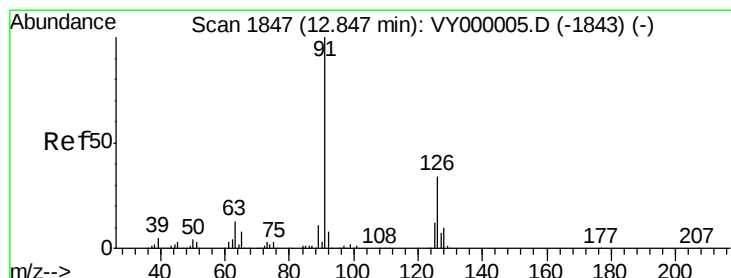
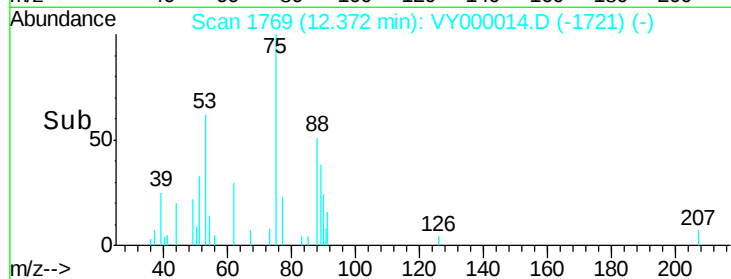
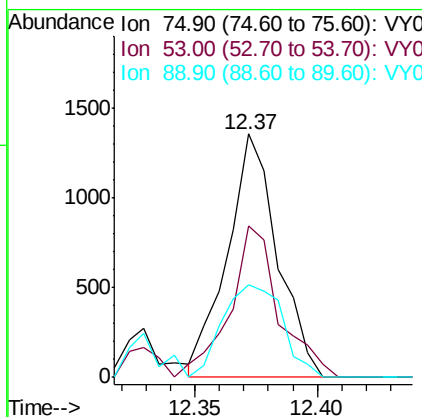
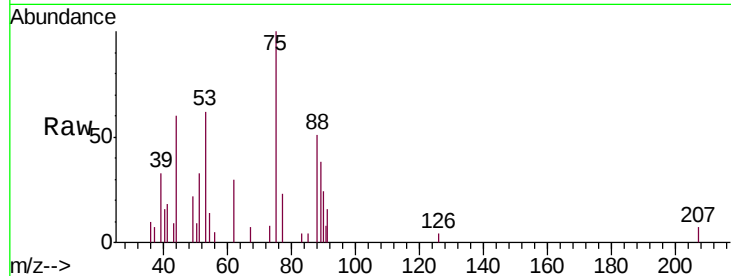




#81
trans-1,4-Dichloro-2-butene
Concen: 2.838 ug/l
RT: 12.37 min Scan# 1769
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

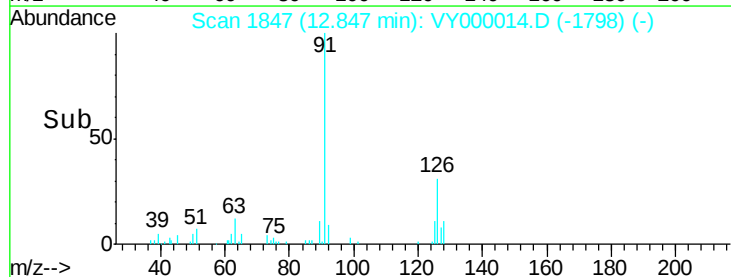
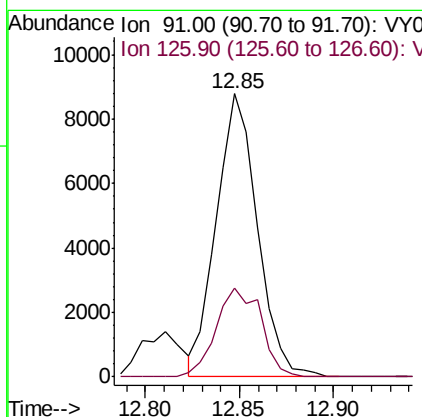
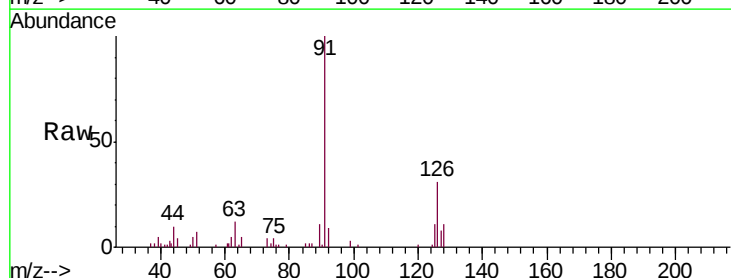
Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

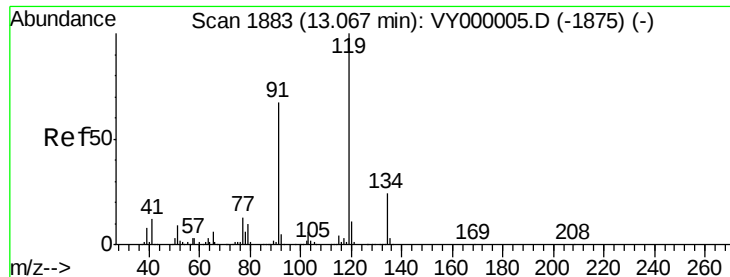
Tgt Ion: 75 Resp: 1932
Ion Ratio Lower Upper
75 100
53 61.3 63.0 94.6#
89 45.7 34.6 52.0



#82
4-Chlorotoluene
Concen: 2.511 ug/l
RT: 12.85 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 91 Resp: 13296
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9

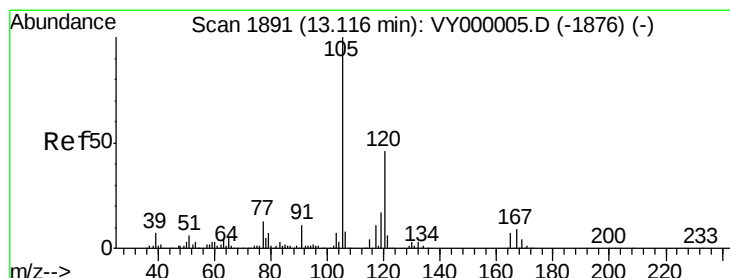
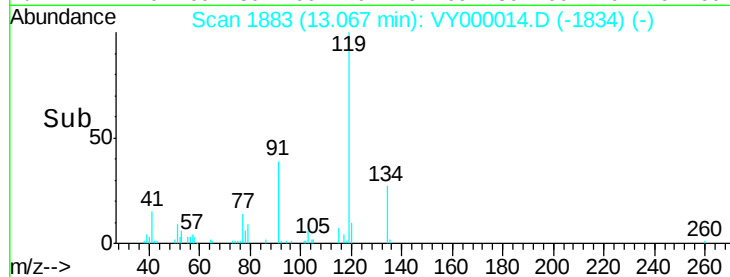
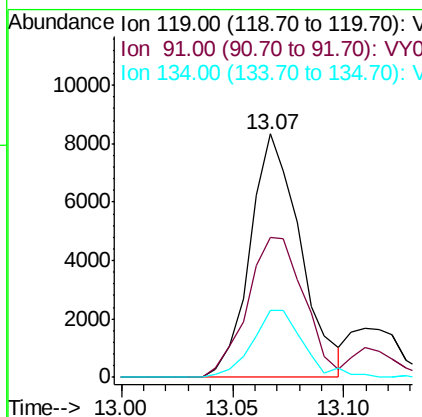
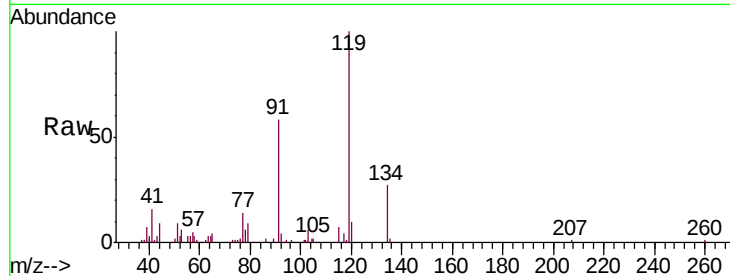




#83
 tert-Butylbenzene
 Concen: 2.469 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

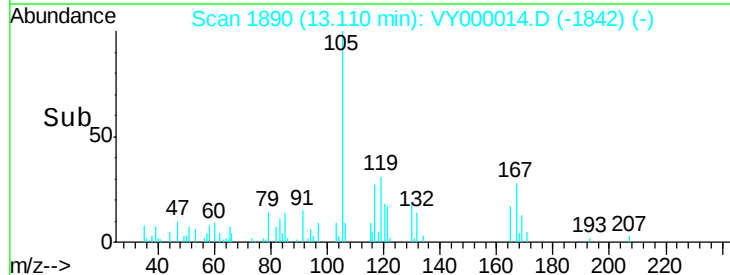
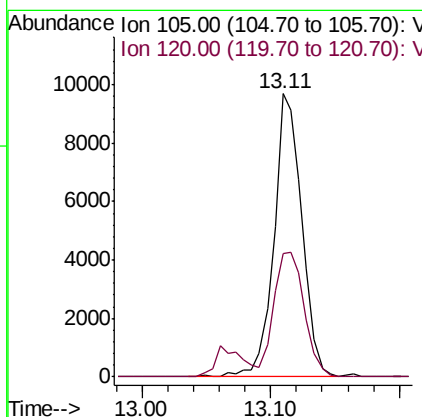
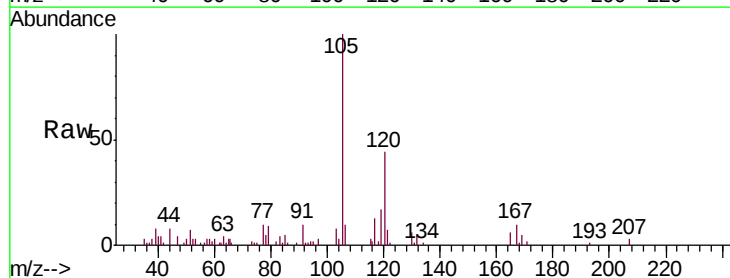
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL 3 PPB

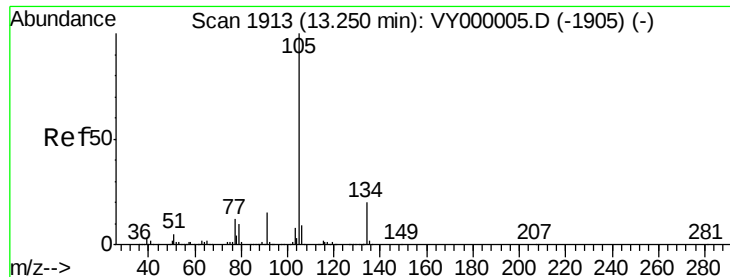
Tgt Ion:119 Resp: 13116
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.6 100.8
 134 28.0 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.397 ug/l
 RT: 13.11 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion:105 Resp: 14639
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.8 68.3





#85

sec-Butylbenzene

Concen: 2.572 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

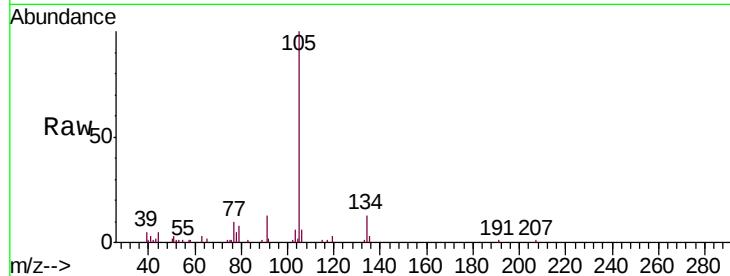
MDL 3 PPB

Tgt Ion:105 Resp: 20366

Ion Ratio Lower Upper

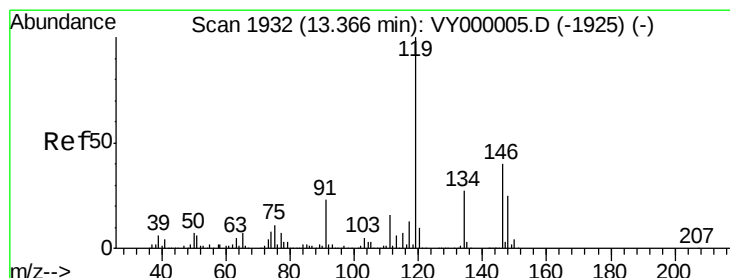
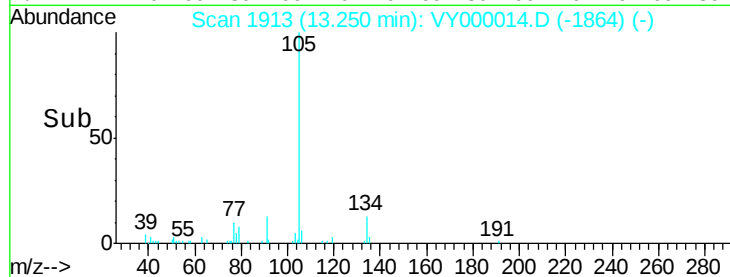
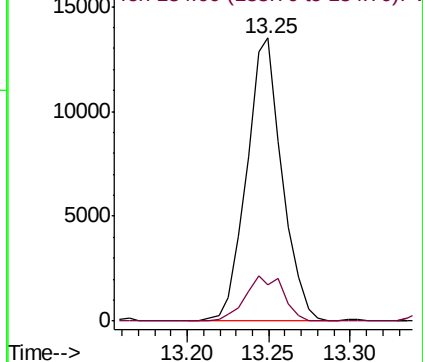
105 100

134 17.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.375 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

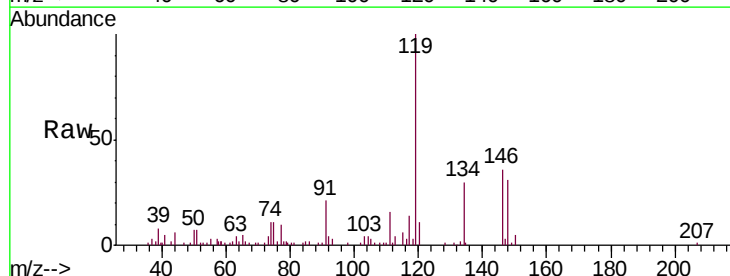
Tgt Ion:119 Resp: 15817

Ion Ratio Lower Upper

119 100

134 28.9 13.7 41.1

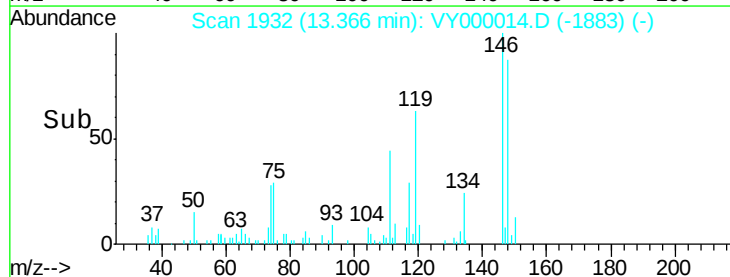
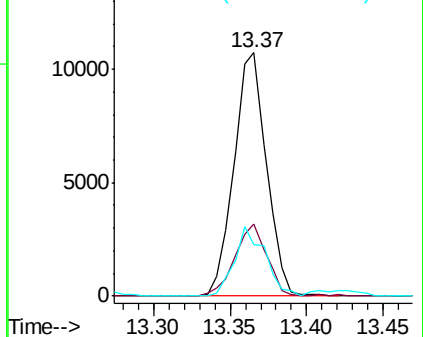
91 26.7 12.2 36.6

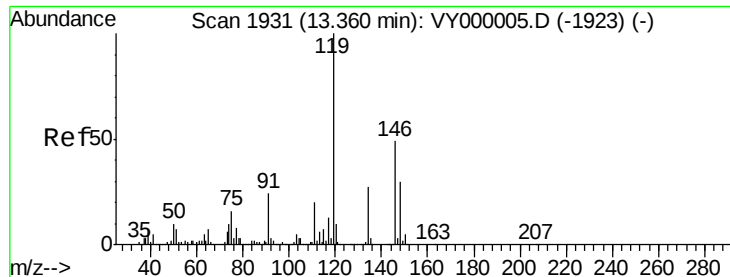


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

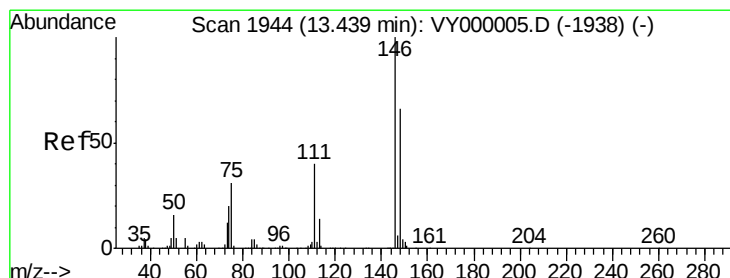
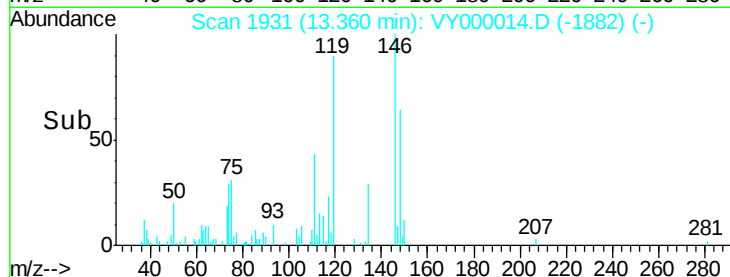
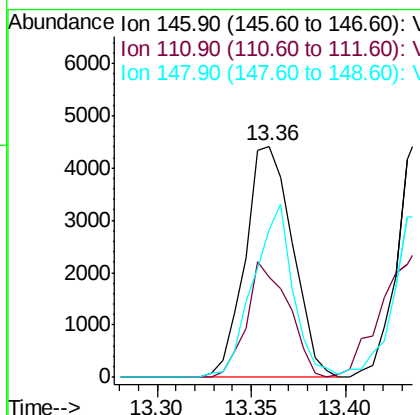
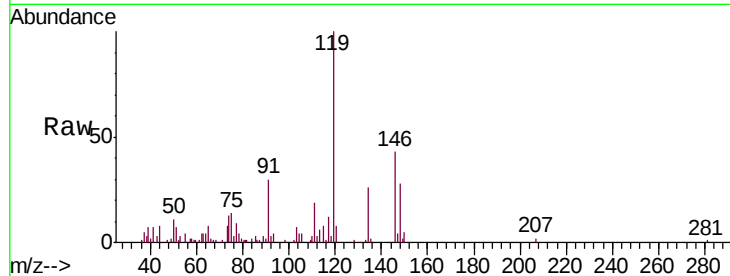




#87
 1,3-Dichlorobenzene
 Concen: 2.479 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

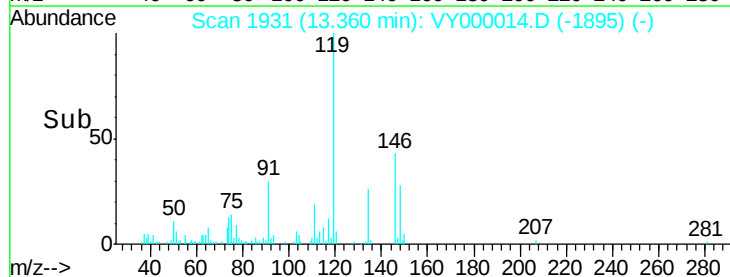
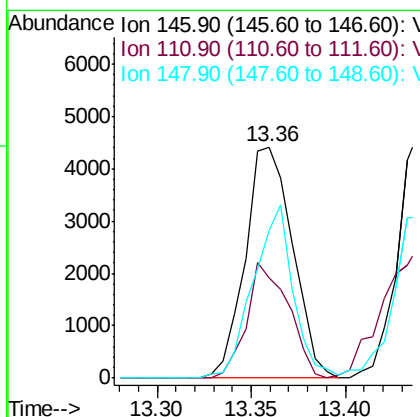
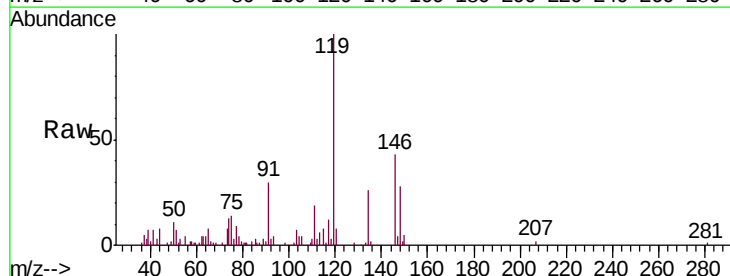
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL 3 PPB

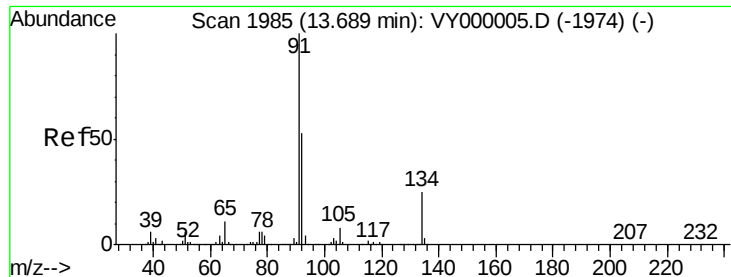
Tgt Ion:146 Resp: 7697
 Ion Ratio Lower Upper
 146 100
 111 44.0 20.6 61.9
 148 63.1 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 2.458 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.08 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion:146 Resp: 7697
 Ion Ratio Lower Upper
 146 100
 111 44.0 20.3 60.9
 148 63.1 31.9 95.7





#89

n-Butylbenzene

Concen: 2.478 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

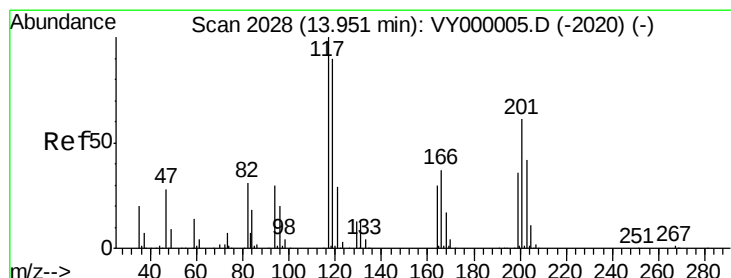
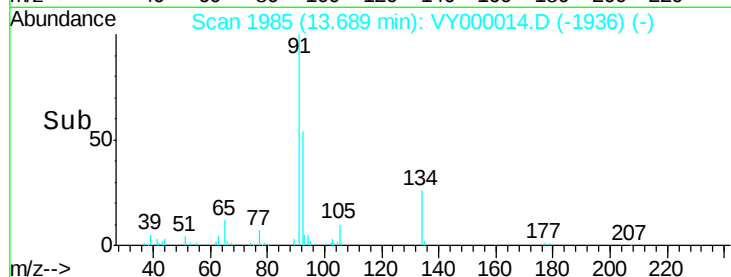
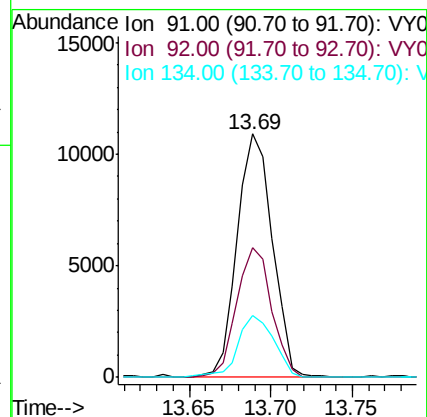
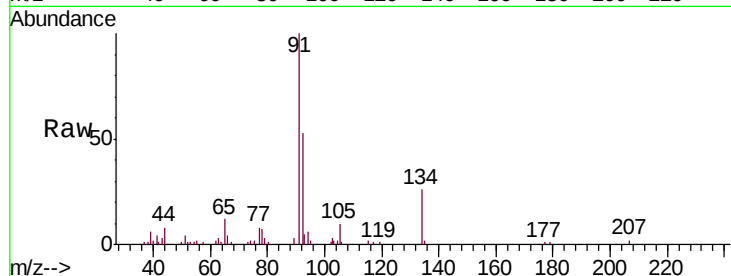
Tgt Ion: 91 Resp: 16487

Ion Ratio Lower Upper

91 100

92 52.7 27.0 80.8

134 25.9 12.7 38.0



#90

Hexachloroethane

Concen: 2.256 ug/l

RT: 13.96 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VY000014.D

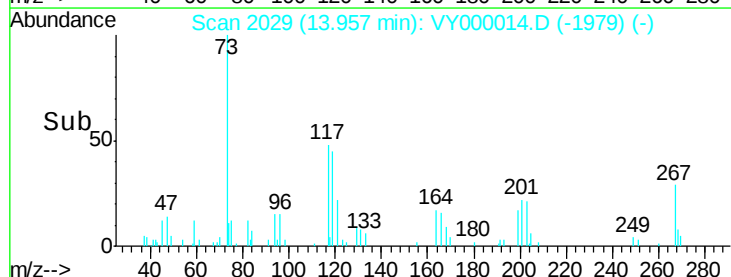
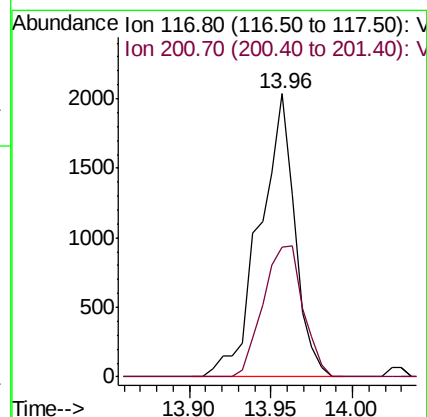
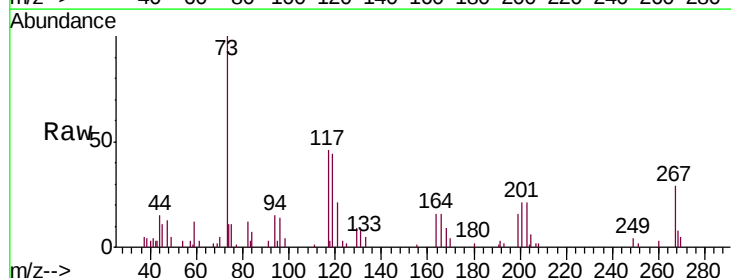
Acq: 11 Sep 2019 21:29

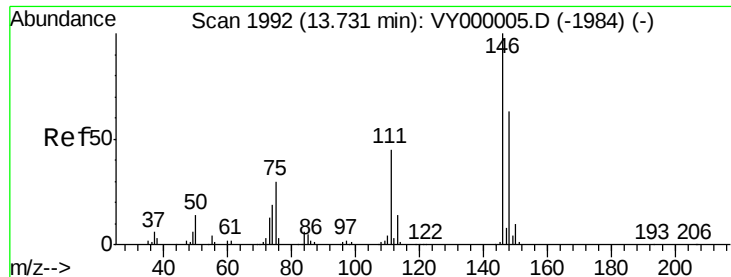
Tgt Ion: 117 Resp: 3040

Ion Ratio Lower Upper

117 100

201 52.9 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 2.693 ug/l

RT: 13.73 min Scan# 1992

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

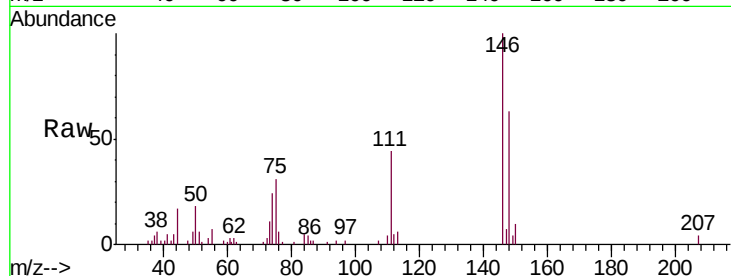
Tgt Ion: 146 Resp: 7875

Ion Ratio Lower Upper

146 100

111 43.1 21.9 65.5

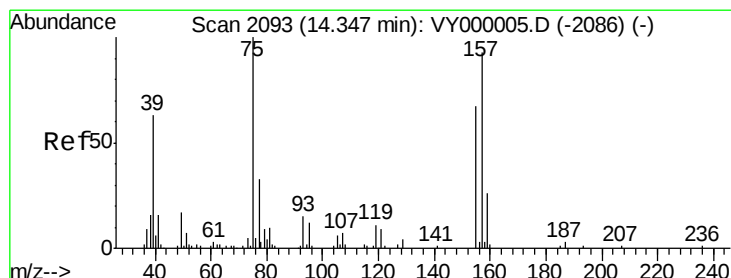
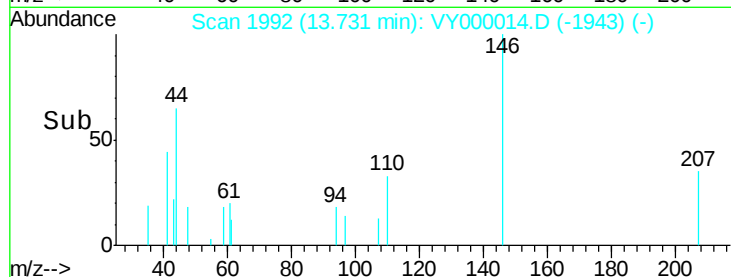
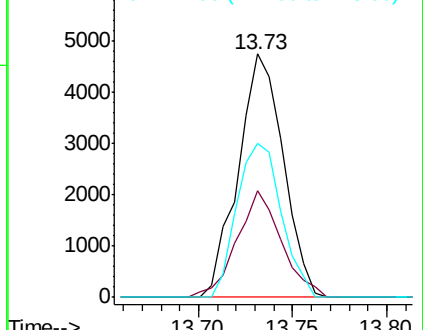
148 62.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.735 ug/l

RT: 14.35 min Scan# 2093

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

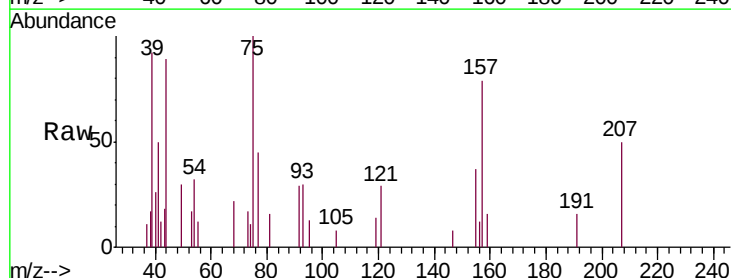
Tgt Ion: 75 Resp: 886

Ion Ratio Lower Upper

75 100

155 74.8 41.4 124.2

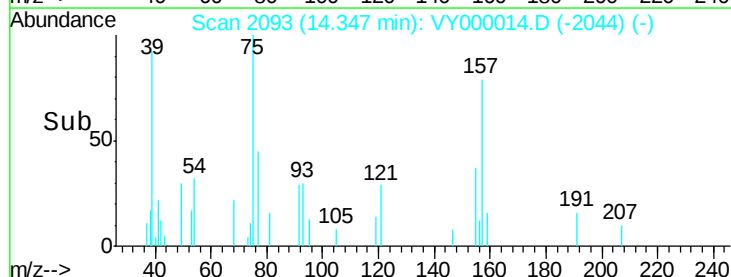
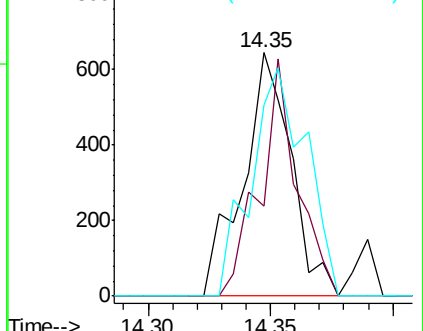
157 107.2 52.8 158.4

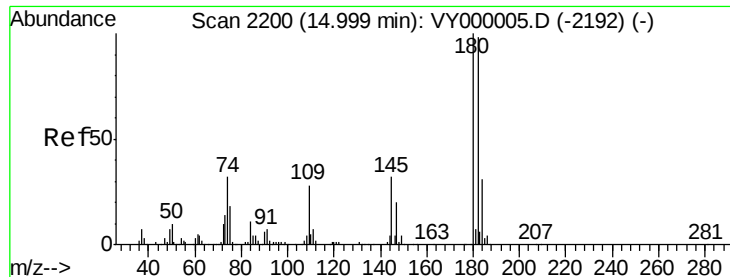


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

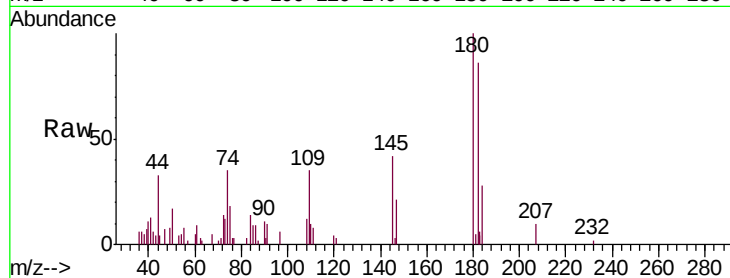




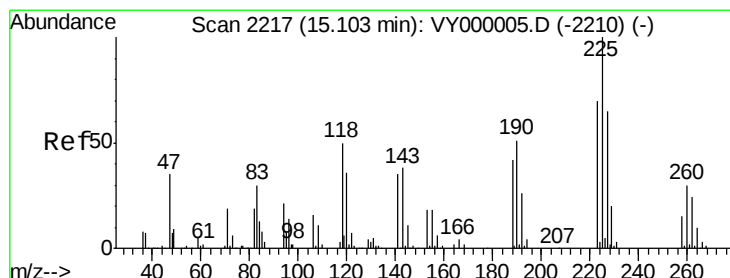
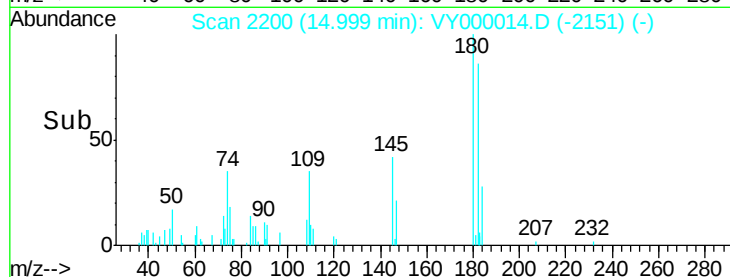
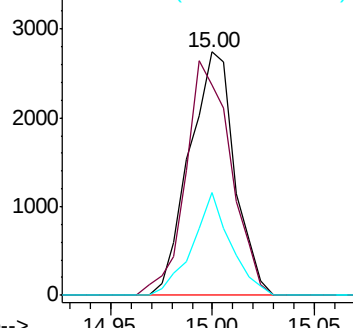
#93
 1,2,4-Trichlorobenzene
 Concen: 2.376 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tgt Ion:180 Resp: 4236
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.4 145.2
 145 35.8 17.2 51.6

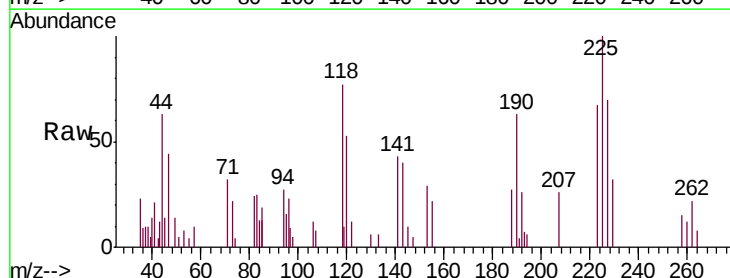


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

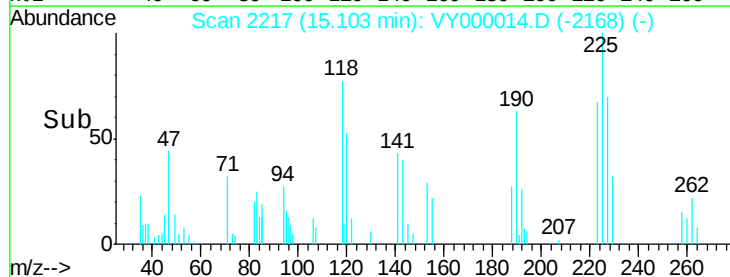
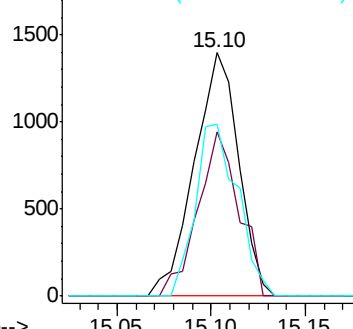


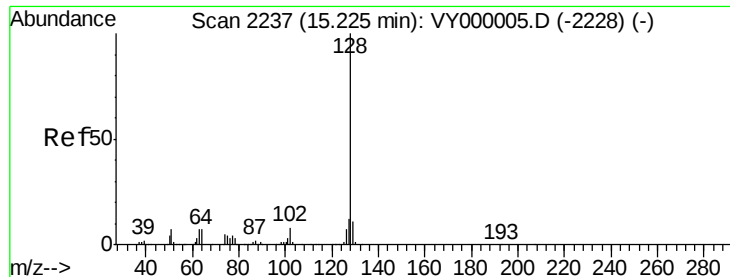
#94
 Hexachlorobutadiene
 Concen: 2.633 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion:225 Resp: 2273
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.3 96.8
 227 67.6 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

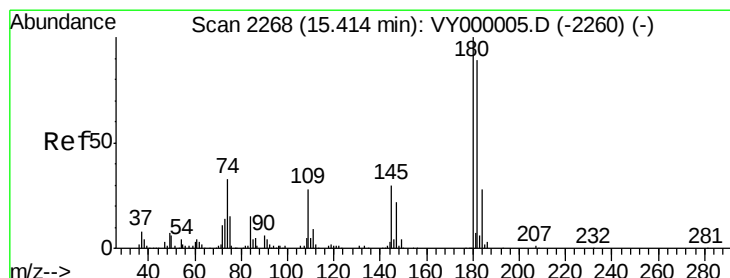
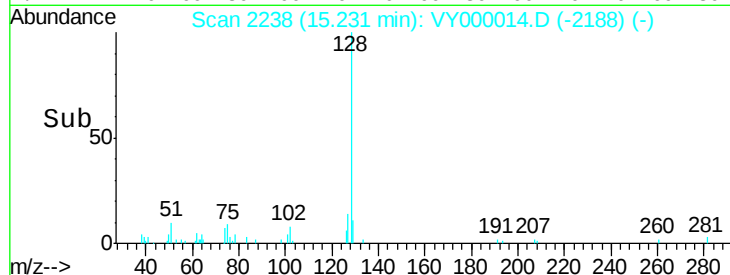
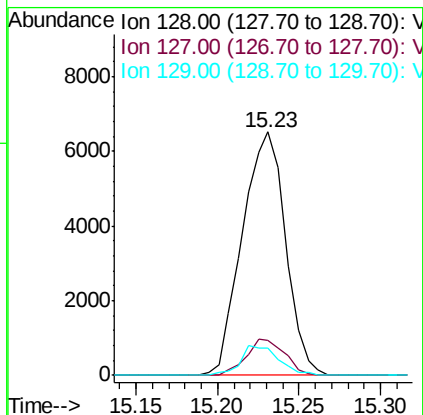
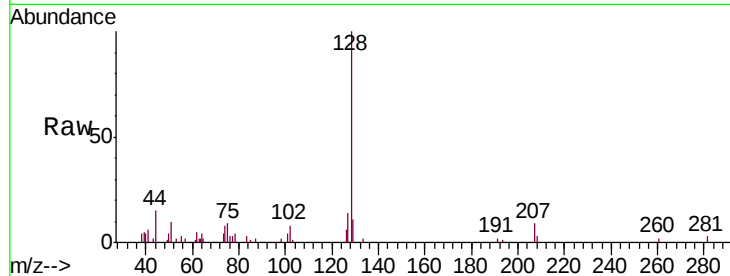




#95
Naphthalene
Concen: 2.458 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tgt Ion:128 Resp: 11984
Ion Ratio Lower Upper
128 100
127 13.3 9.8 14.8
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.710 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion:180 Resp: 4333
Ion Ratio Lower Upper
180 100
182 95.7 46.1 138.2
145 34.3 16.2 48.6

