

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091619\
 Data File : VY000047.D
 Acq On : 16 Sep 2019 15:32
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Quant Time: Sep 17 05:57:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	109595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	223641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	189302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	81454	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	65610	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	7.71	113	59694	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	10.18	98	259165	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.48	95	90769	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.89	85	4539	5.616 ug/l	97
3) Chloromethane	2.11	50	10155	2.578 ug/l #	83
4) Vinyl Chloride	2.24	62	5986	4.884 ug/l	93
5) Bromomethane	2.63	94	5209	5.669 ug/l	81
6) Chloroethane	2.78	64	4467	5.475 ug/l	98
7) Trichlorofluoromethane	3.12	101	8217	5.160 ug/l	95
8) Diethyl Ether	3.51	74	3313	5.062 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5068	4.677 ug/l #	45
10) Methyl Iodide	4.07	142	3351	2.828 ug/l #	92
11) Tert butyl alcohol	4.96	59	3881	25.858 ug/l #	82
12) 1,1-Dichloroethene	3.85	96	4775	4.728 ug/l #	67
13) Acrolein	3.72	56	2528	Below Cal	84
14) Allyl chloride	4.46	41	8322	5.307 ug/l	93
15) Acrylonitrile	5.16	53	9814	23.635 ug/l #	66
16) Acetone	3.95	43	8621	26.335 ug/l	92
17) Carbon Disulfide	4.18	76	12233	4.545 ug/l	100
18) Methyl Acetate	4.47	43	5491	5.961 ug/l #	83
19) Methyl tert-butyl Ether	5.22	73	15360	5.021 ug/l	98
20) Methylene Chloride	4.71	84	10187	5.399 ug/l	94
21) trans-1,2-Dichloroethene	5.20	96	5696	5.093 ug/l #	70
22) Diisopropyl ether	6.12	45	17275	4.990 ug/l #	86
23) Vinyl Acetate	6.06	43	54829	22.895 ug/l	94
24) 1,1-Dichloroethane	6.01	63	9759	4.757 ug/l	97
25) 2-Butanone	6.98	43	12980	24.396 ug/l	94
26) 2,2-Dichloropropane	6.97	77	11468	6.018 ug/l	90
27) cis-1,2-Dichloroethene	6.98	96	6913	4.900 ug/l	84
28) Bromochloromethane	7.32	49	4658	4.944 ug/l #	97
29) Tetrahydrofuran	7.35	42	7203	22.758 ug/l	94
30) Chloroform	7.51	83	10435	4.933 ug/l	97
31) Cyclohexane	7.78	56	11114	4.012 ug/l #	61
32) 1,1,1-Trichloroethane	7.70	97	8370	4.823 ug/l	98
36) 1,1-Dichloropropene	7.91	75	8187	4.986 ug/l	94
37) Ethyl Acetate	7.08	43	5555	5.017 ug/l #	74
38) Carbon Tetrachloride	7.90	117	6431	4.149 ug/l #	82

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9649	4.756	ug/l	93
40) Benzene	8.15	78	25072	4.690	ug/l	96
41) Methacrylonitrile	7.31	41	2784	4.322	ug/l #	84
42) 1,2-Dichloroethane	8.24	62	6541	4.788	ug/l	100
43) Isopropyl Acetate	8.27	43	9238	4.305	ug/l #	90
44) Trichloroethene	8.93	130	6354	4.760	ug/l	100
45) 1,2-Dichloropropane	9.22	63	6425	4.661	ug/l	96
46) Dibromomethane	9.31	93	3218	4.206	ug/l	96
47) Bromodichloromethane	9.50	83	8389	4.594	ug/l #	98
48) Methyl methacrylate	9.29	41	4332	4.575	ug/l	94
49) 1,4-Dioxane	9.31	88	1401	87.446	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	25635	21.321	ug/l	99
52) Toluene	10.24	92	15216	4.530	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	8647	4.503	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	10313	4.616	ug/l	89
55) 1,1,2-Trichloroethane	10.65	97	5706	4.707	ug/l	90
56) Ethyl methacrylate	10.51	69	7693	4.522	ug/l	92
57) 1,3-Dichloropropane	10.79	76	8949	4.616	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.78	63	19740	21.181	ug/l	100
59) 2-Hexanone	10.83	43	18015	20.792	ug/l	100
60) Dibromochloromethane	10.99	129	4934	3.862	ug/l	94
61) 1,2-Dibromoethane	11.09	107	4898	4.574	ug/l	87
64) Tetrachloroethene	10.72	164	6514	5.611	ug/l #	86
65) Chlorobenzene	11.51	112	16080	4.458	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.59	131	5117	4.094	ug/l	98
67) Ethyl Benzene	11.59	91	29820	4.551	ug/l	93
68) m/p-Xylenes	11.70	106	22049	8.916	ug/l	100
69) o-Xylene	12.02	106	10826	4.467	ug/l	99
70) Styrene	12.04	104	17884	4.242	ug/l	97
71) Bromoform	12.21	173	2785	3.690	ug/l #	96
73) Isopropylbenzene	12.33	105	28146	4.522	ug/l	98
74) N-amyl acetate	12.14	43	6926	3.770	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	5773	3.880	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	8634	7.632	ug/l #	100
77) Bromobenzene	12.60	156	5593	4.248	ug/l	93
78) n-propylbenzene	12.67	91	33336	4.383	ug/l	99
79) 2-Chlorotoluene	12.75	91	19850	4.667	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	22934	4.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	2581	4.525	ug/l	97
82) 4-Chlorotoluene	12.85	91	19341	4.333	ug/l	99
83) tert-Butylbenzene	13.07	119	19651	4.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	21919	4.270	ug/l	99
85) sec-Butylbenzene	13.25	105	29143	4.423	ug/l	95
86) p-Isopropyltoluene	13.37	119	24130	4.317	ug/l	96
87) 1,3-Dichlorobenzene	13.37	146	11657	4.399	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	11103	4.164	ug/l	86
89) n-Butylbenzene	13.69	91	24312	4.292	ug/l	99
90) Hexachloroethane	13.96	117	4524	4.050	ug/l	94
91) 1,2-Dichlorobenzene	13.73	146	10159	4.120	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1376	2.014	ug/l	84

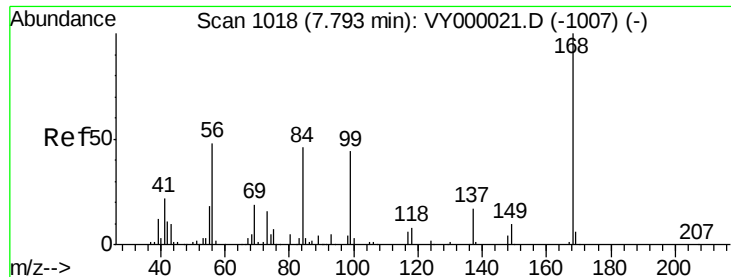
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	6019	3.825	ug/l	94
94) Hexachlorobutadiene	15.11	225	2883	3.995	ug/l	88
95) Naphthalene	15.23	128	17251	4.008	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	5813	4.115	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

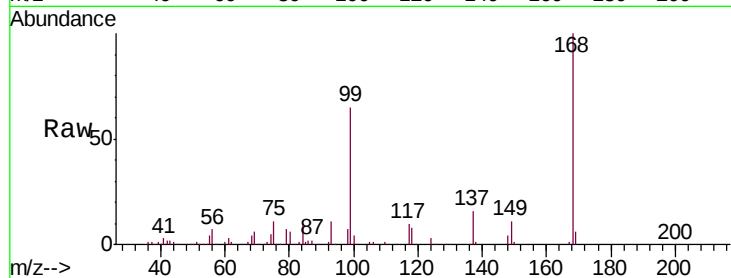
MDL2

Tgt Ion:168 Resp: 109595

Ion Ratio Lower Upper

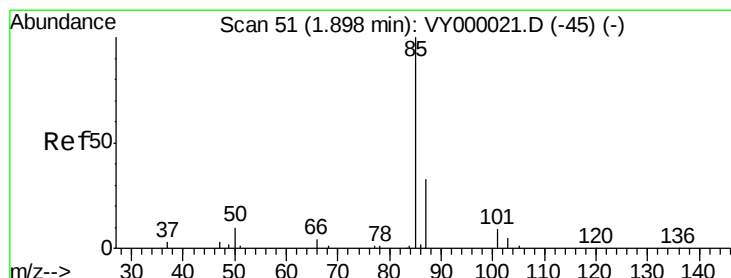
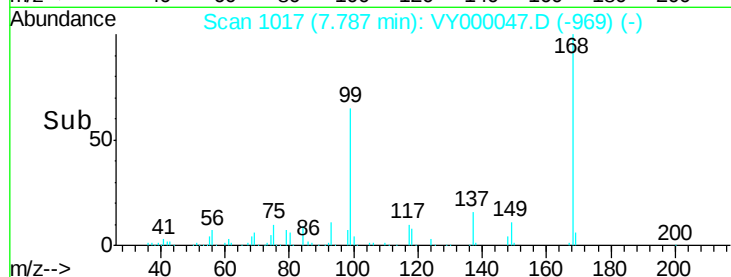
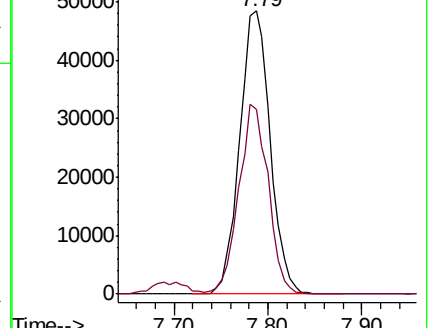
168 100

99 65.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000047.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000047.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 5.616 ug/l

RT: 1.89 min Scan# 50

Delta R.T. -0.01 min

Lab File: VY000047.D

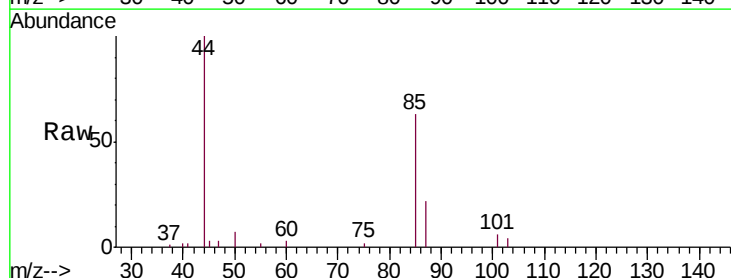
Acq: 16 Sep 2019 15:32

Tgt Ion: 85 Resp: 4539

Ion Ratio Lower Upper

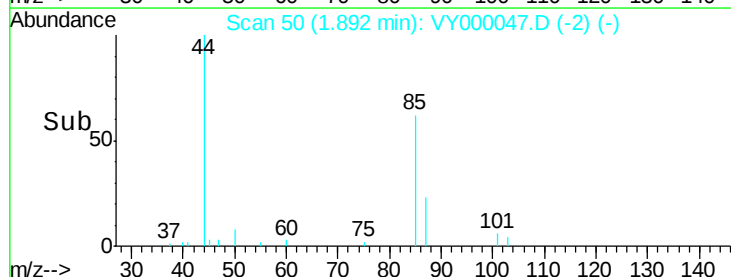
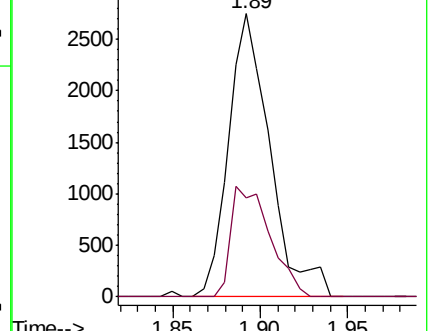
85 100

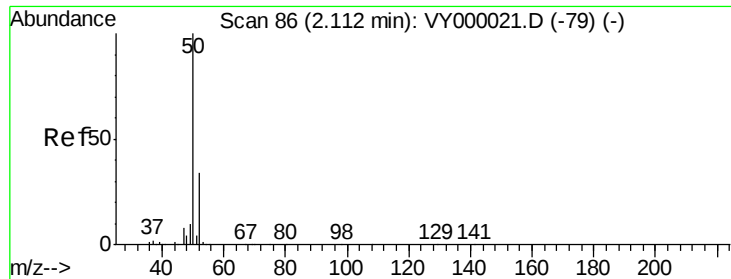
87 35.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000047.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000047.D (-2) (-)





#3

Chloromethane

Concen: 2.578 ug/l

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

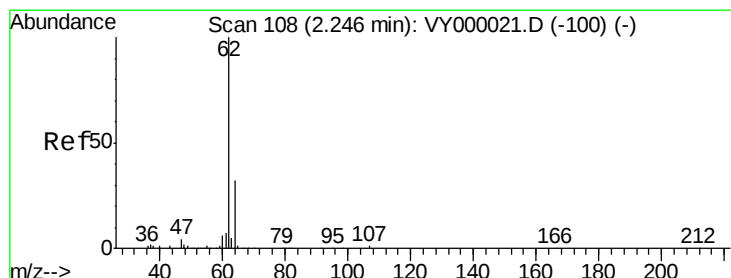
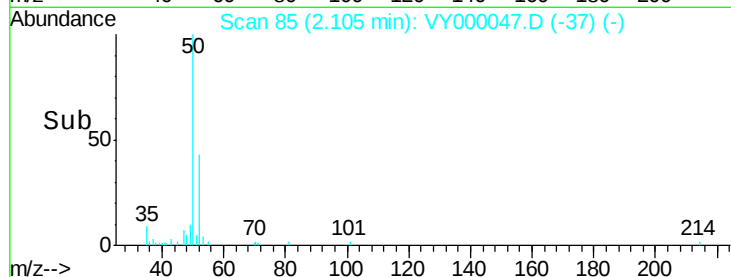
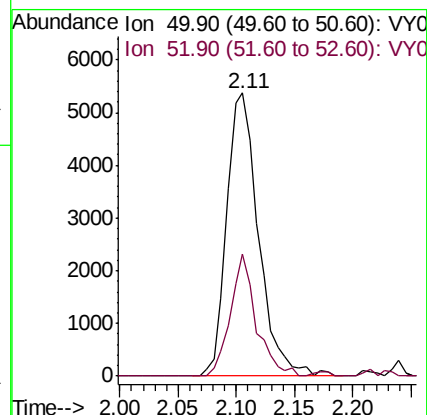
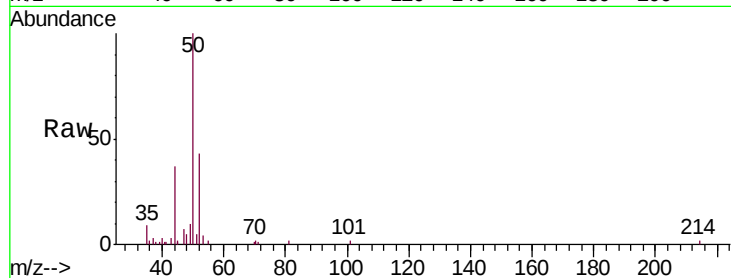
MDL2

Tgt Ion: 50 Resp: 10155

Ion Ratio Lower Upper

50 100

52 43.3 27.0 40.6#



#4

Vinyl Chloride

Concen: 4.884 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000047.D

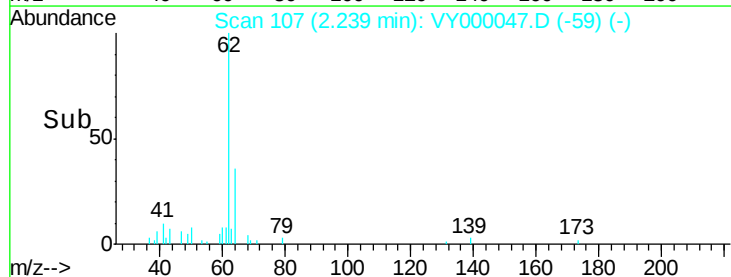
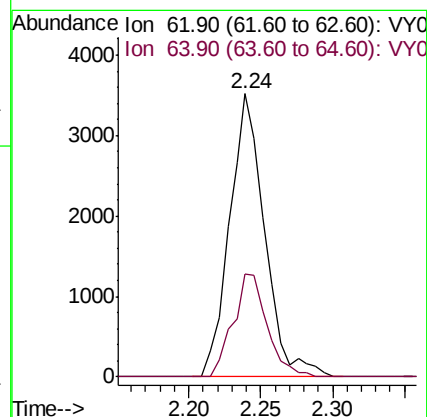
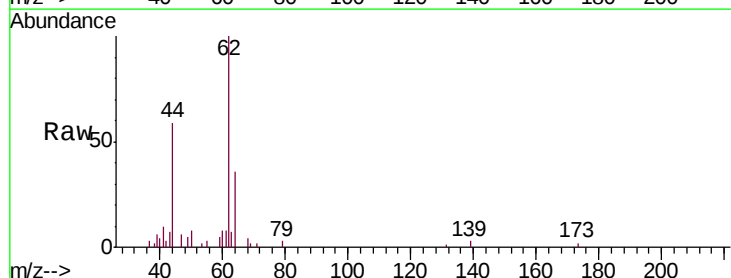
Acq: 16 Sep 2019 15:32

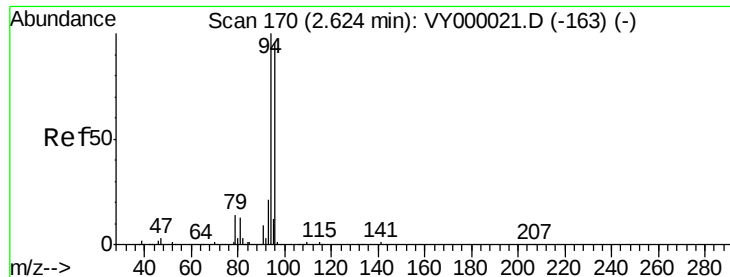
Tgt Ion: 62 Resp: 5986

Ion Ratio Lower Upper

62 100

64 36.5 26.1 39.1





#5

Bromomethane

Concen: 5.669 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

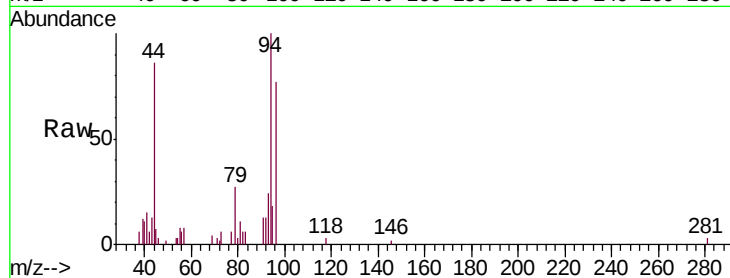
MDL2

Tgt Ion: 94 Resp: 5209

Ion Ratio Lower Upper

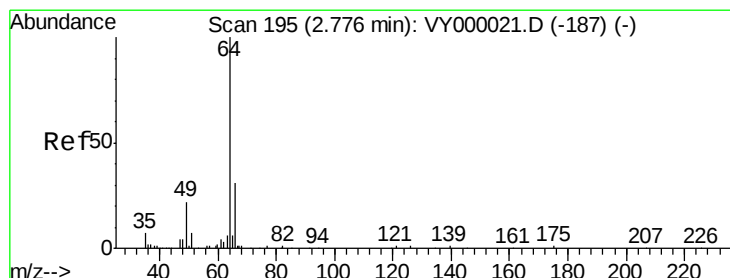
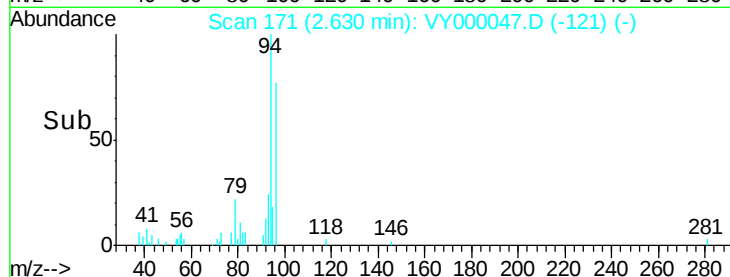
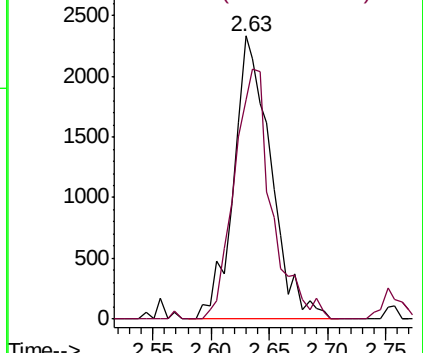
94 100

96 77.4 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.475 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000047.D

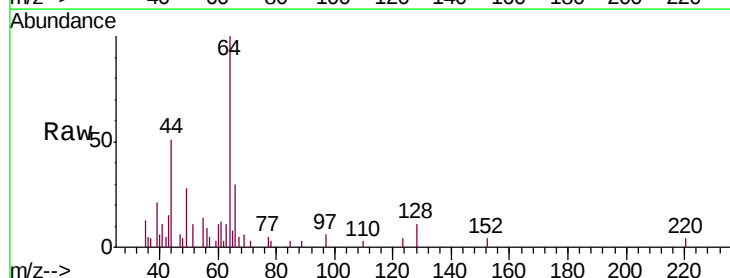
Acq: 16 Sep 2019 15:32

Tgt Ion: 64 Resp: 4467

Ion Ratio Lower Upper

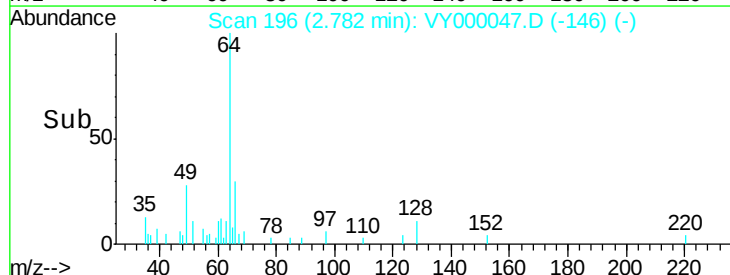
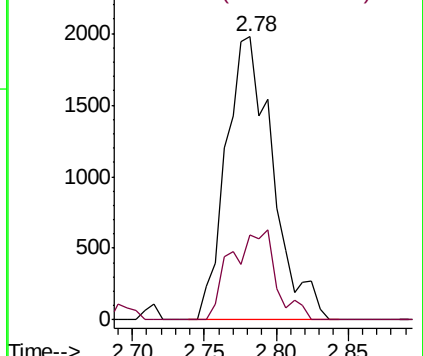
64 100

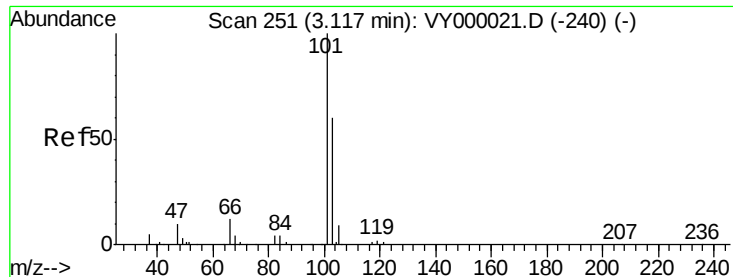
66 30.0 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



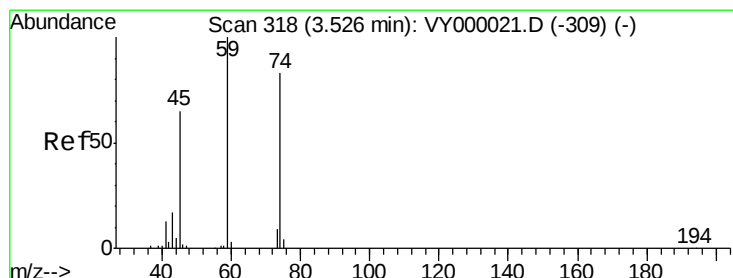
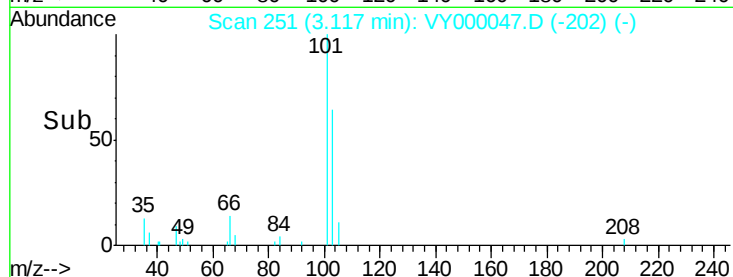
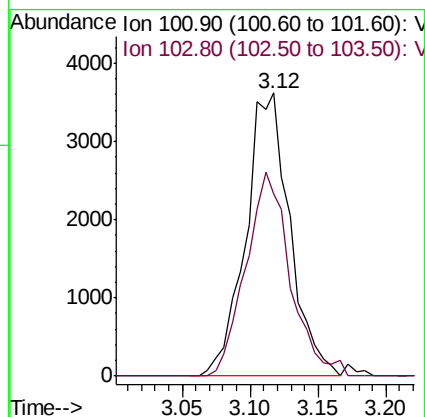
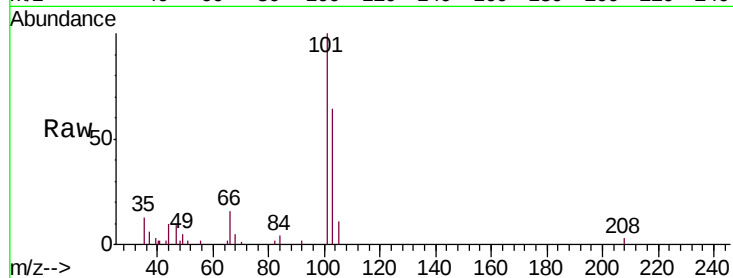


#7

Trichlorofluoromethane
 Concen: 5.160 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

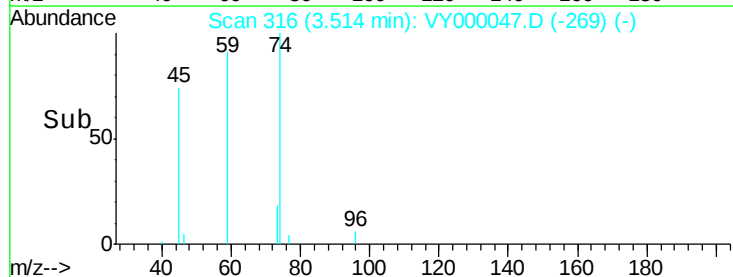
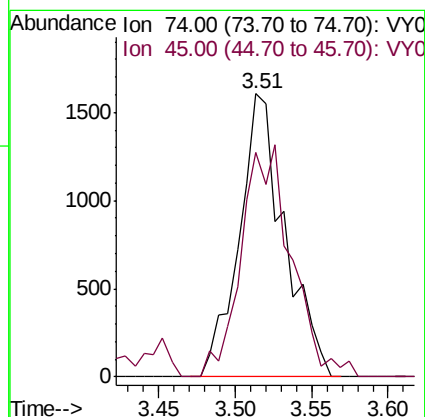
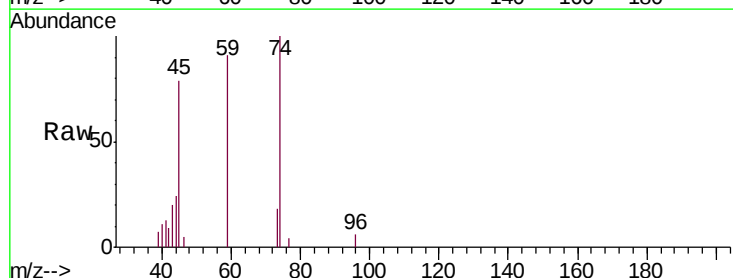
Tgt Ion: 101 Resp: 8217
 Ion Ratio Lower Upper
 101 100
 103 64.2 48.1 72.1

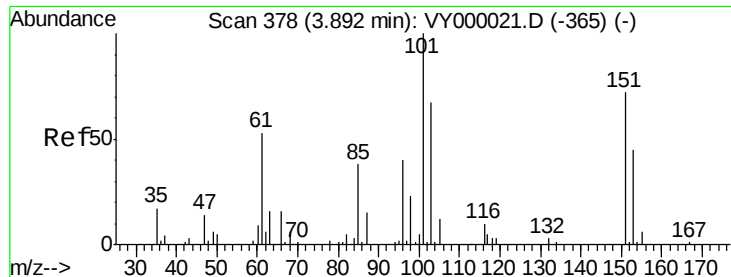


#8

Diethyl Ether
 Concen: 5.062 ug/l
 RT: 3.51 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 74 Resp: 3313
 Ion Ratio Lower Upper
 74 100
 45 90.3 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.677 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

MDL2

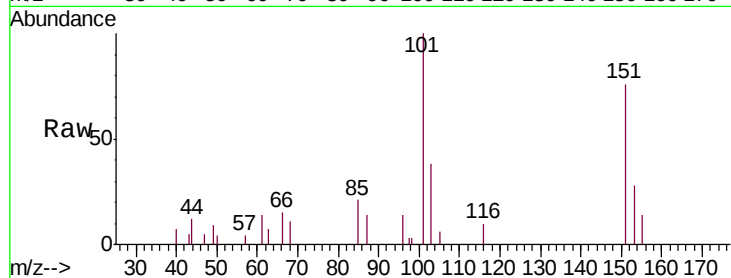
Tgt Ion:101 Resp: 5068

Ion Ratio Lower Upper

101 100

85 48.6 35.3 52.9

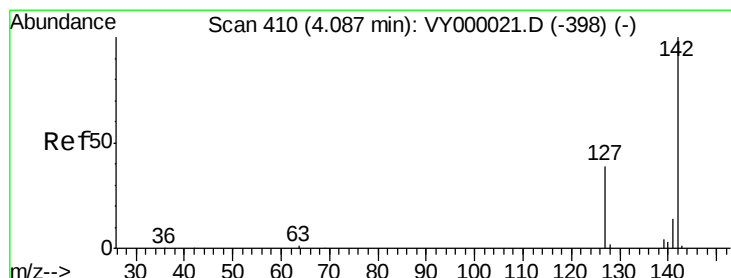
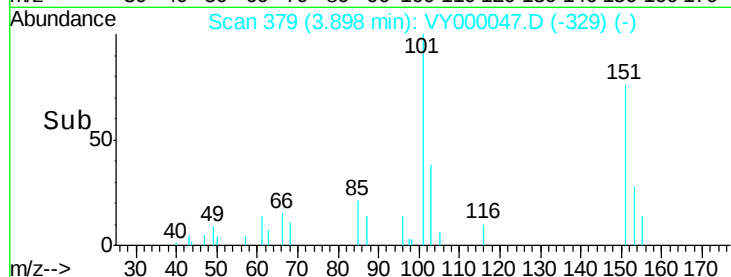
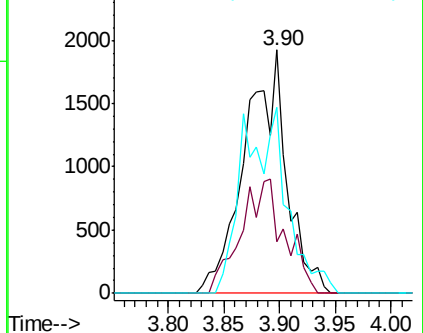
151 0.0 55.9 83.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.828 ug/l

RT: 4.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

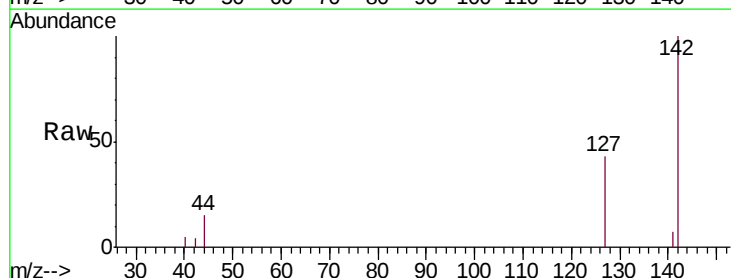
Tgt Ion:142 Resp: 3351

Ion Ratio Lower Upper

142 100

127 44.4 31.4 47.2

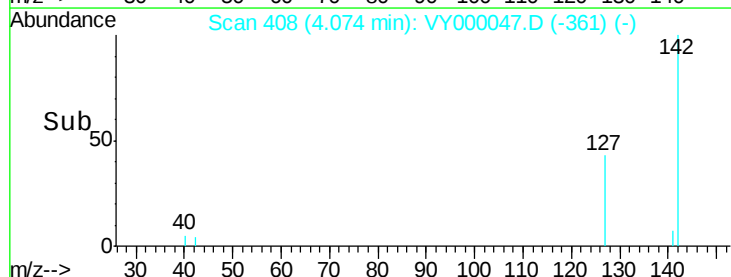
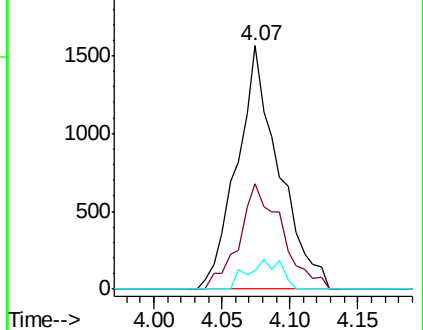
141 9.8 10.6 16.0#

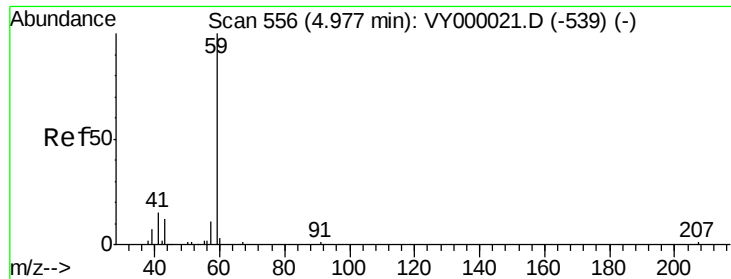


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

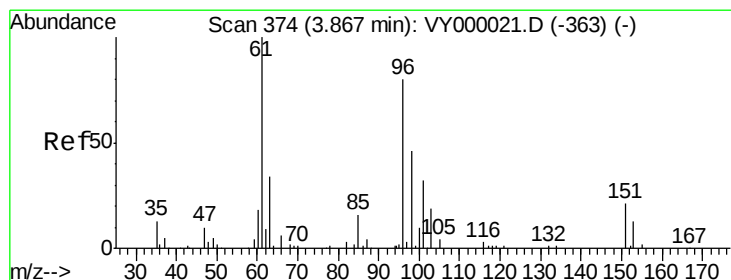
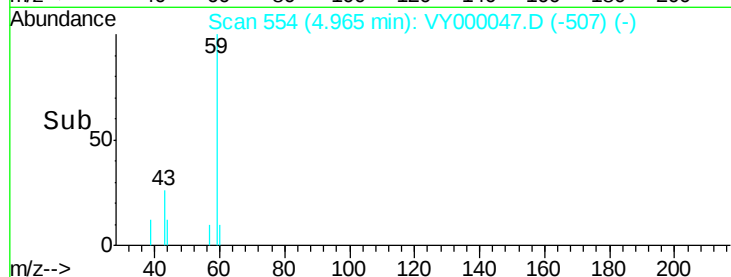
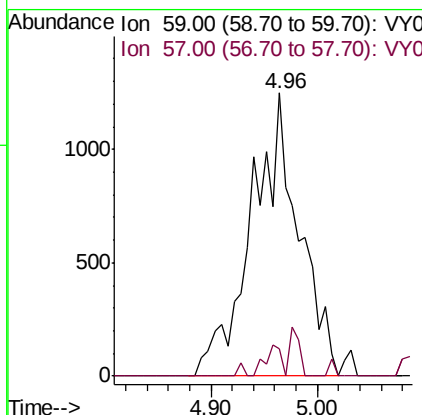
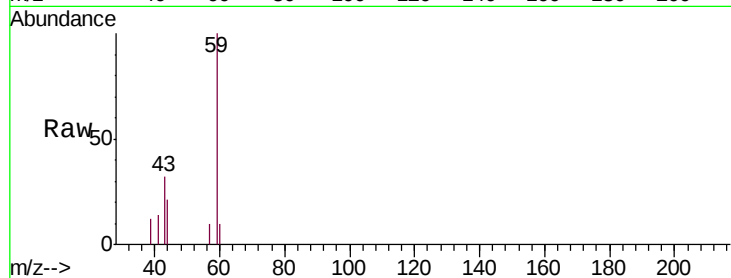




#11
Tert butyl alcohol
Concen: 25.858 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

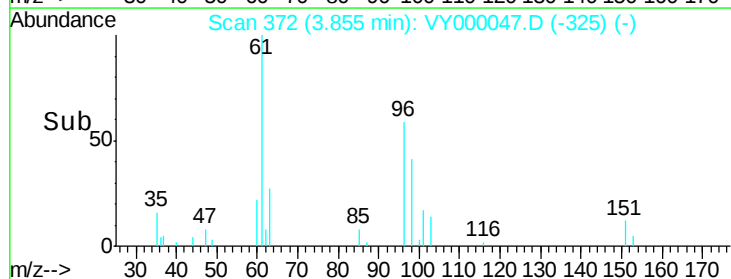
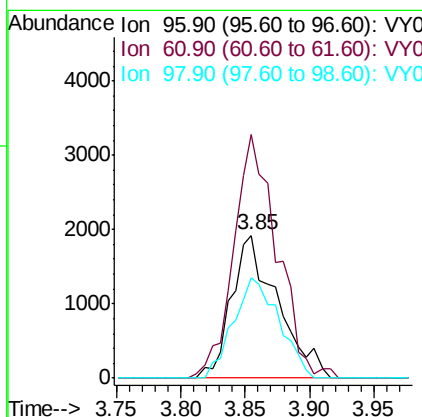
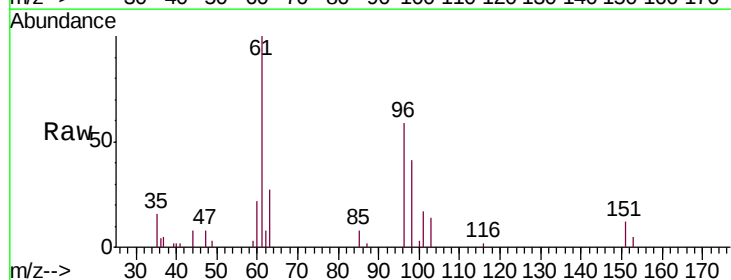
Instrument :
MSVOA_Y
ClientSampled :
MDL2

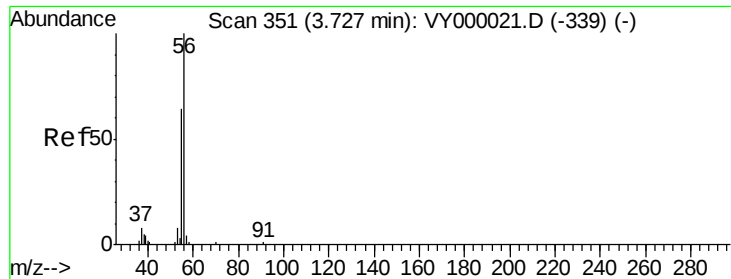
Tgt Ion: 59 Resp: 3881
Ion Ratio Lower Upper
59 100
57 3.7 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 4.728 ug/l
RT: 3.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 96 Resp: 4775
Ion Ratio Lower Upper
96 100
61 170.1 99.8 149.6#
98 70.5 46.3 69.5#





#13

Acrolein

Concen: Below Cal

RT: 3.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

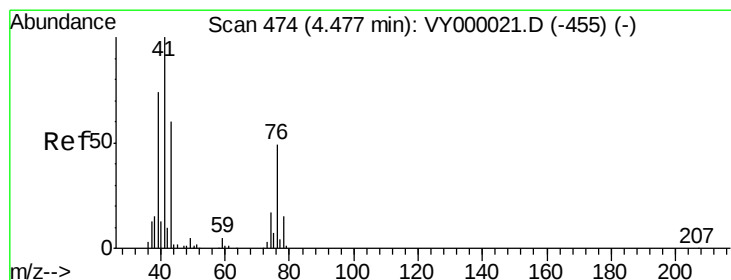
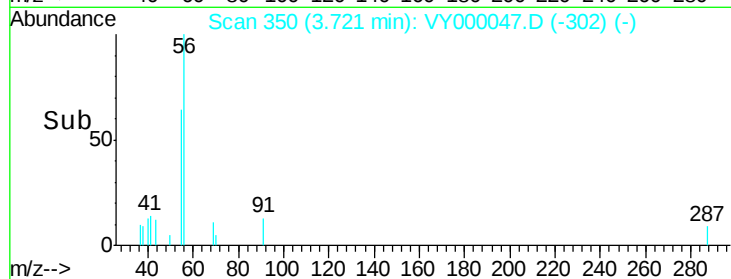
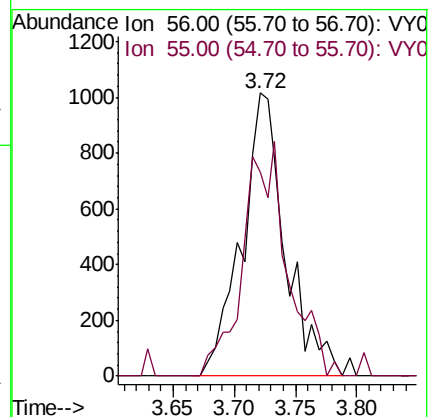
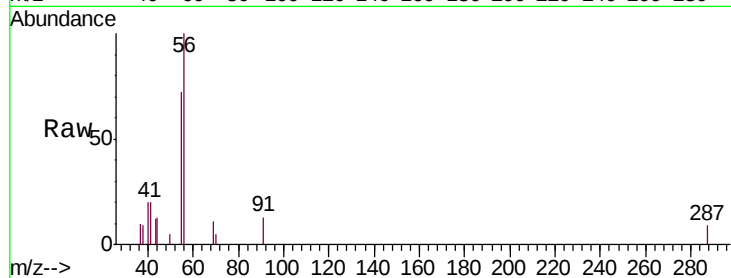
MDL2

Tgt Ion: 56 Resp: 2528

Ion Ratio Lower Upper

56 100

55 84.2 56.7 85.1



#14

Allyl chloride

Concen: 5.307 ug/l

RT: 4.46 min Scan# 472

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

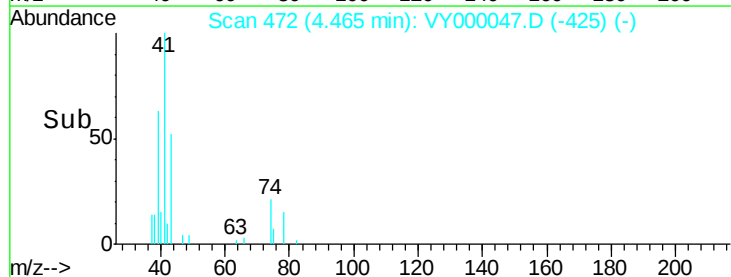
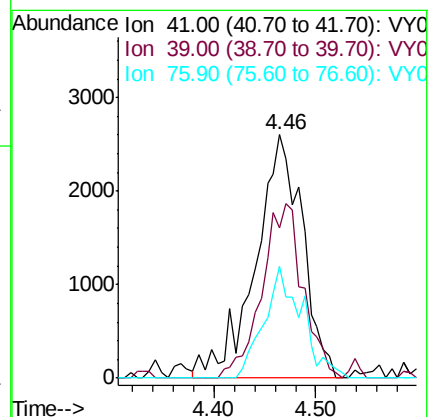
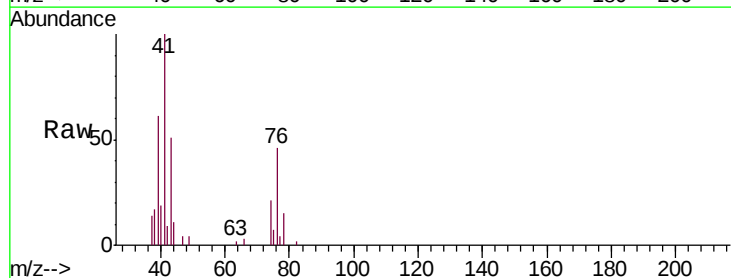
Tgt Ion: 41 Resp: 8322

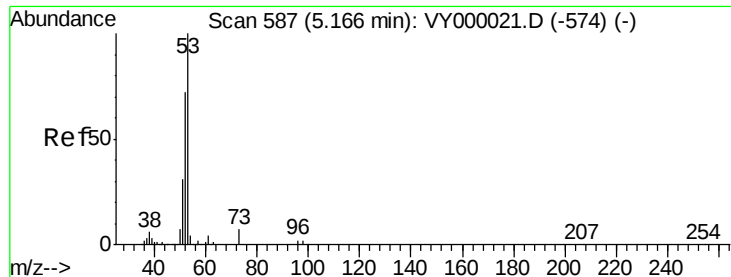
Ion Ratio Lower Upper

41 100

39 62.8 53.1 79.7

76 36.9 34.9 52.3





#15

Acrylonitrile

Concen: 23.635 ug/l

RT: 5.16 min Scan# 586

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

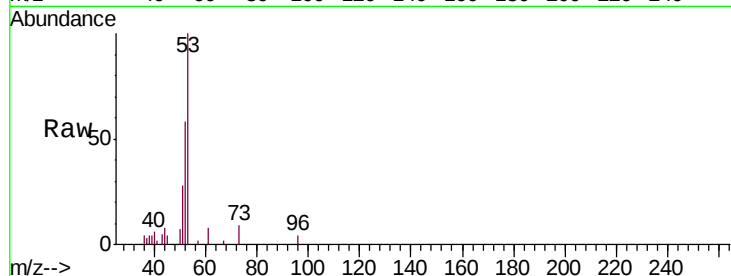
Tgt Ion: 53 Resp: 9814

Ion Ratio Lower Upper

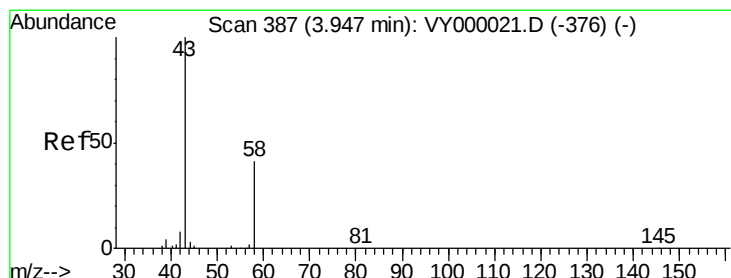
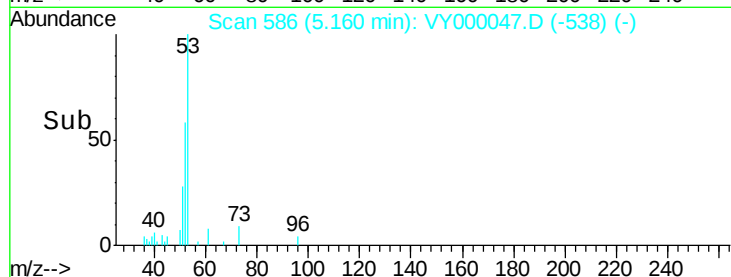
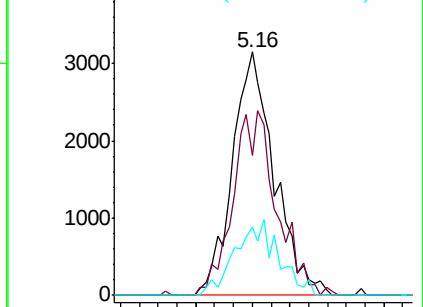
53 100

52 37.5 62.8 94.2#

51 31.5 26.6 40.0



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 26.335 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY000047.D

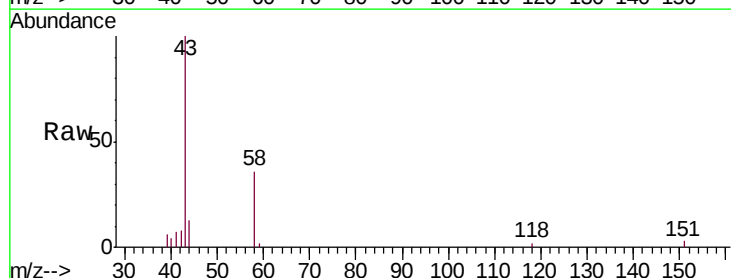
Acq: 16 Sep 2019 15:32

Tgt Ion: 43 Resp: 8621

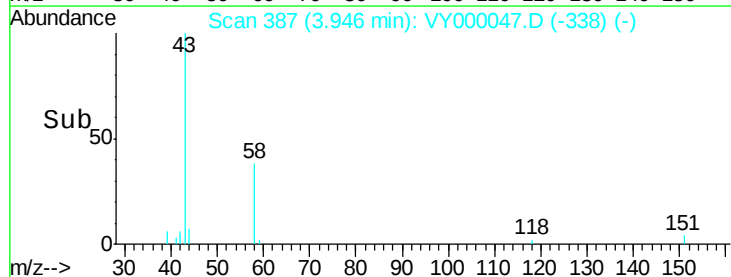
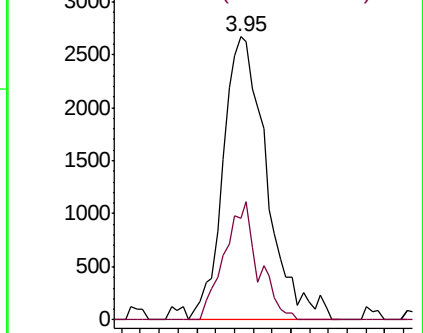
Ion Ratio Lower Upper

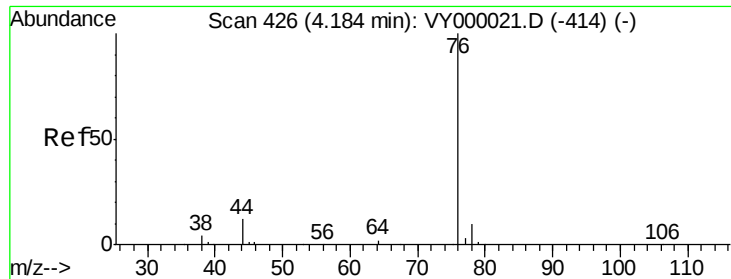
43 100

58 35.9 32.5 48.7



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

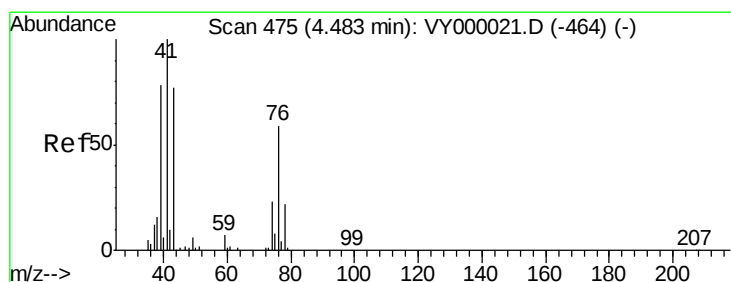
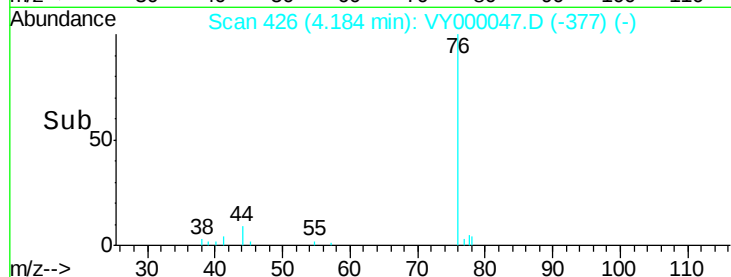
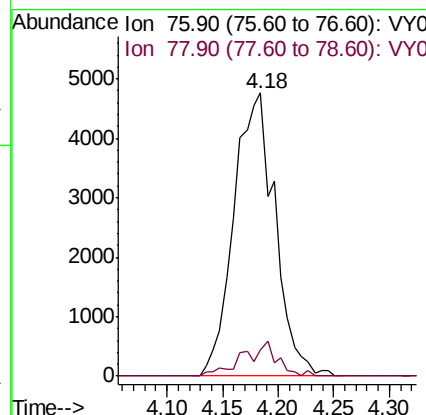
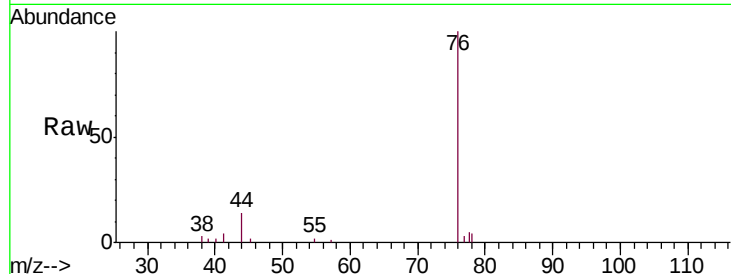




#17
Carbon Disulfide
Concen: 4.545 ug/l
RT: 4.18 min Scan# 426
Delta R.T. 0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

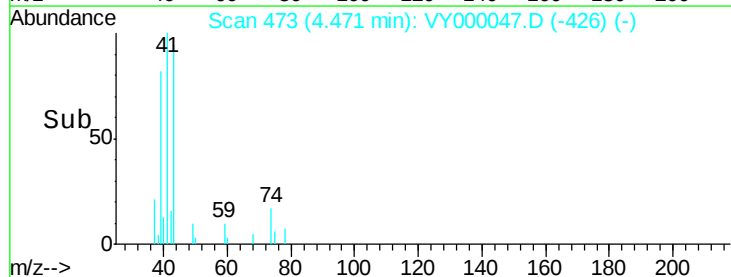
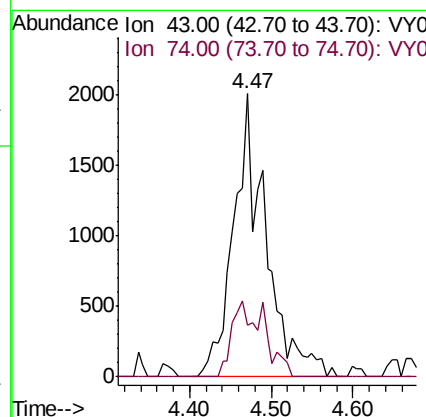
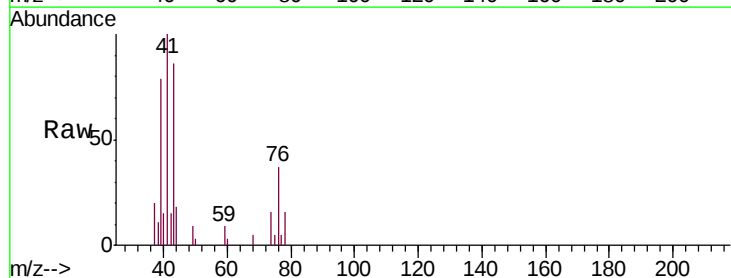
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

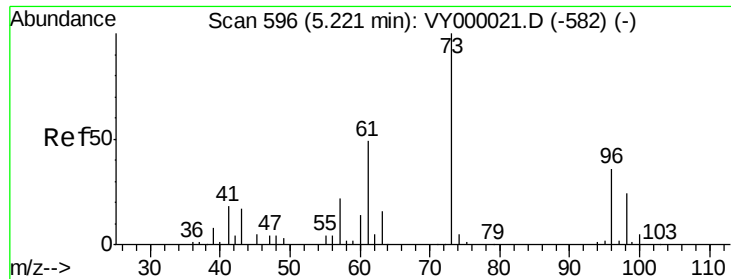
Tgt Ion: 76 Resp: 12233
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 5.961 ug/l
RT: 4.47 min Scan# 473
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 43 Resp: 5491
Ion Ratio Lower Upper
43 100
74 17.9 21.4 32.0#

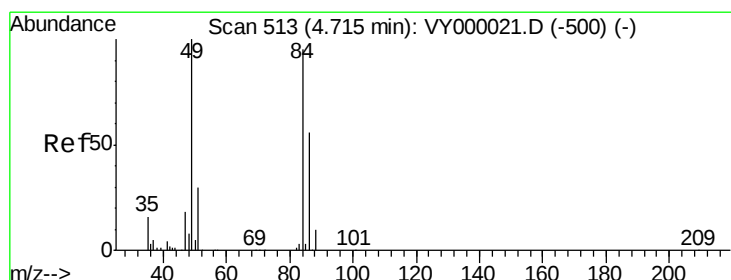
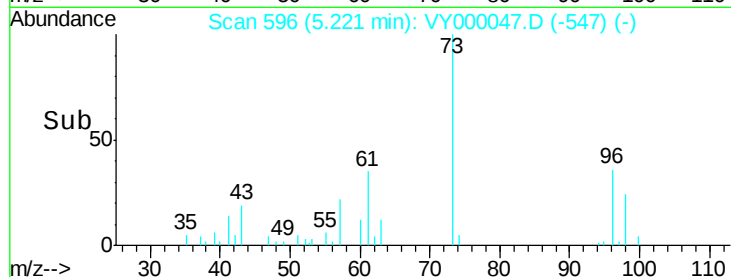
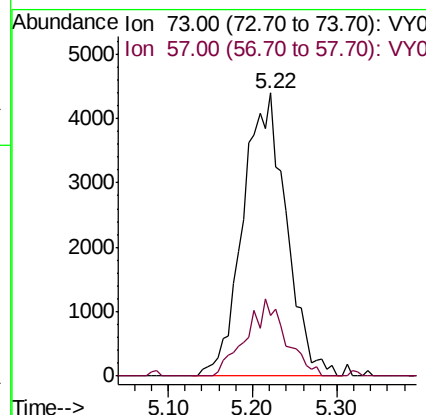
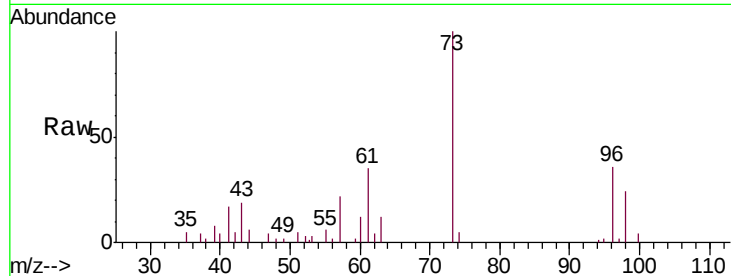




#19
Methyl tert-butyl Ether
Concen: 5.021 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

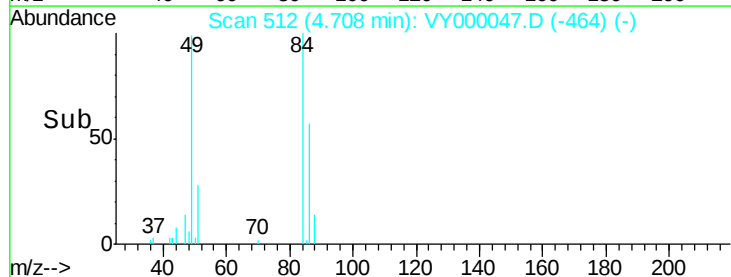
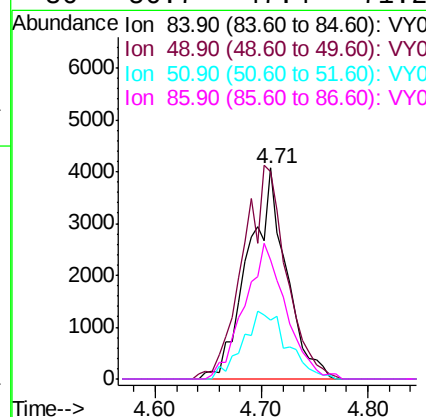
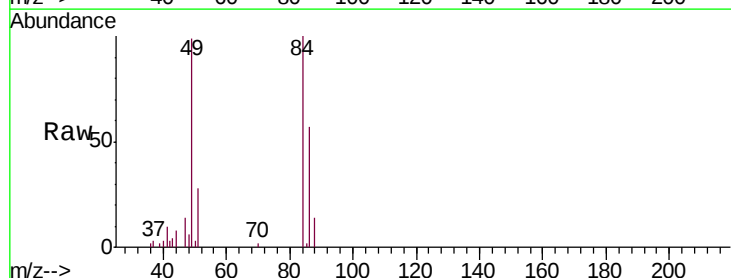
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

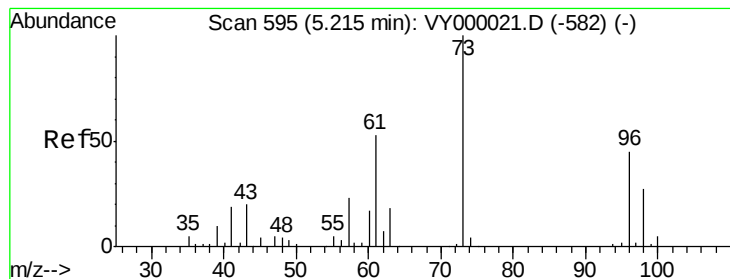
Tgt Ion: 73 Resp: 15360
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8



#20
Methylene Chloride
Concen: 5.399 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 84 Resp: 10187
Ion Ratio Lower Upper
84 100
49 98.7 84.4 126.6
51 27.6 25.4 38.0
86 56.7 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 5.093 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

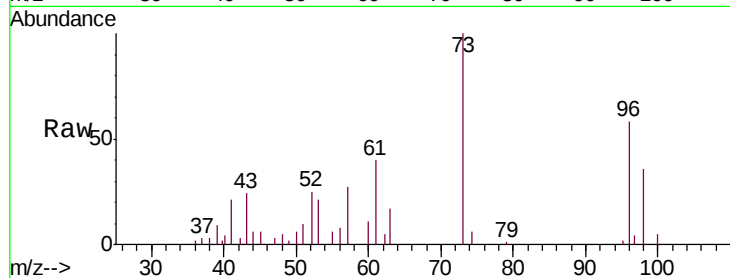
Tgt Ion: 96 Resp: 5696

Ion Ratio Lower Upper

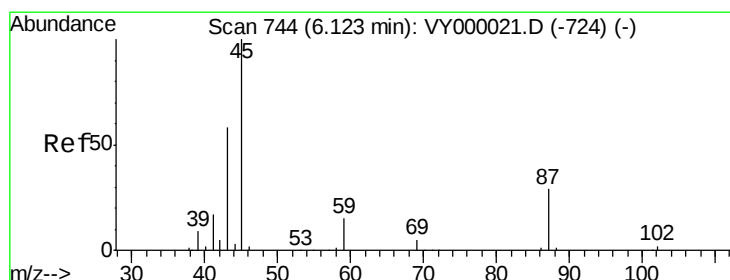
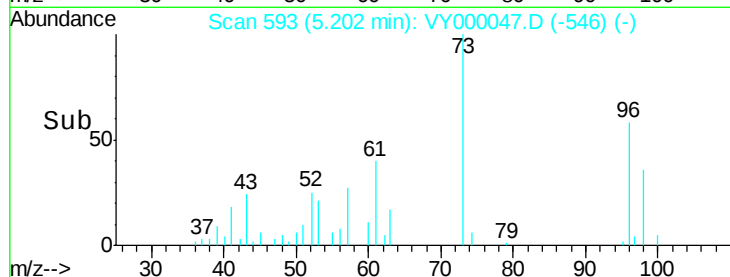
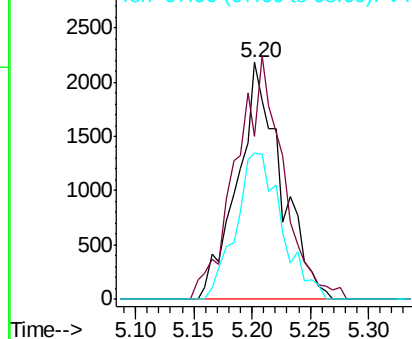
96 100

61 69.0 95.3 142.9#

98 62.0 48.7 73.1



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: 4.990 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Tgt Ion: 45 Resp: 17275

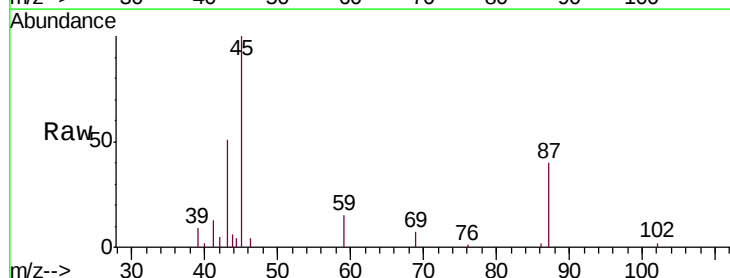
Ion Ratio Lower Upper

45 100

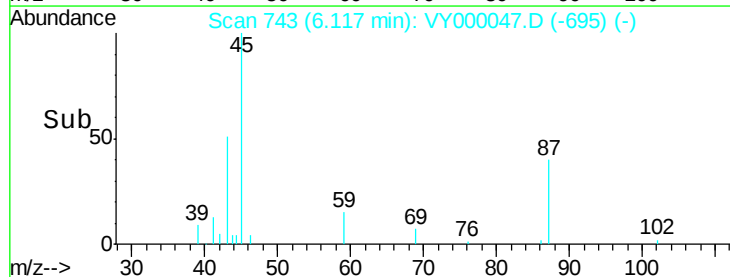
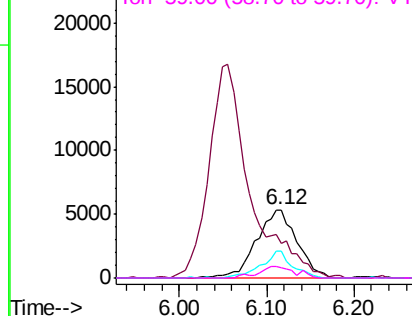
43 48.5 47.0 70.4

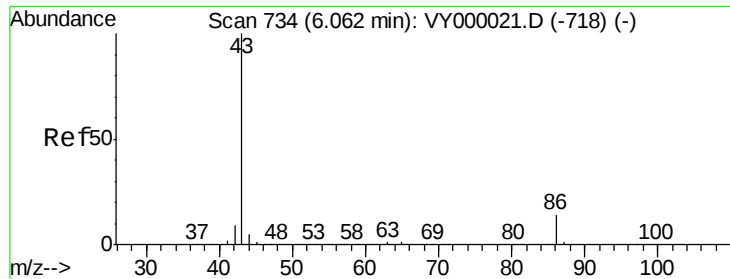
87 40.0 23.1 34.7#

59 15.1 11.8 17.6



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: 22.895 ug/l

RT: 6.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

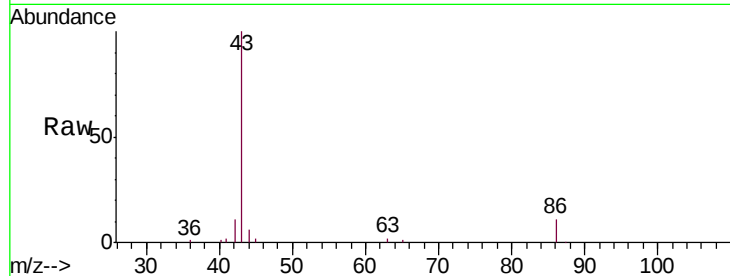
MDL2

Tgt Ion: 43 Resp: 54829

Ion Ratio Lower Upper

43 100

86 11.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.06

15000

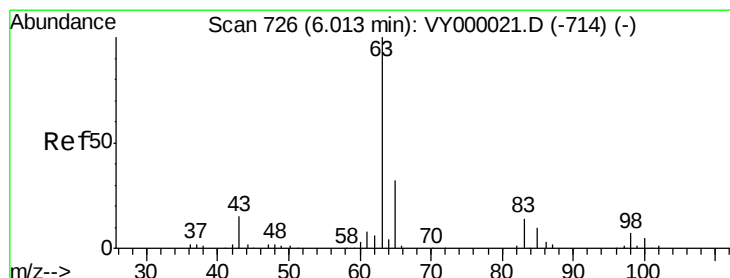
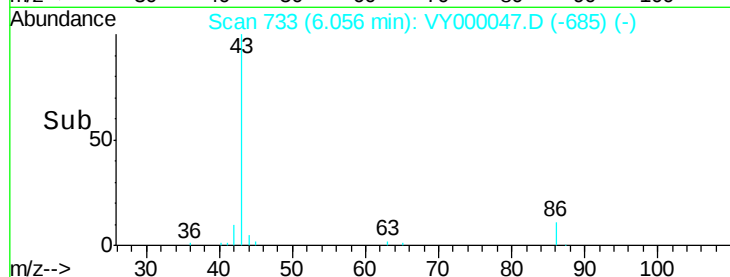
10000

5000

0

Time-->

5.90 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 4.757 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

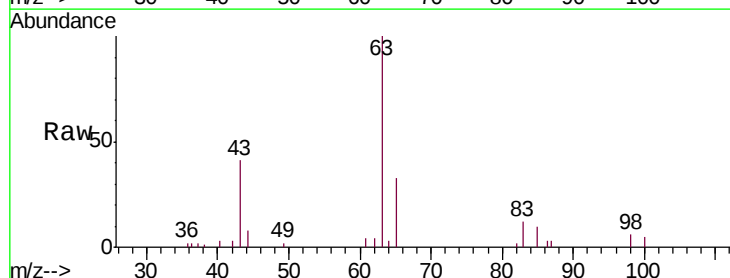
Tgt Ion: 63 Resp: 9759

Ion Ratio Lower Upper

63 100

98 5.8 3.8 11.2

100 5.1 2.6 8.0



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

6.01

5000

4000

3000

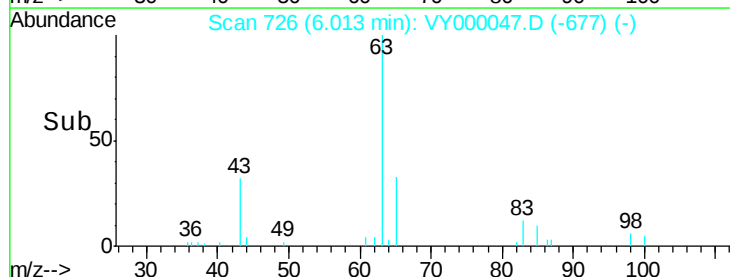
2000

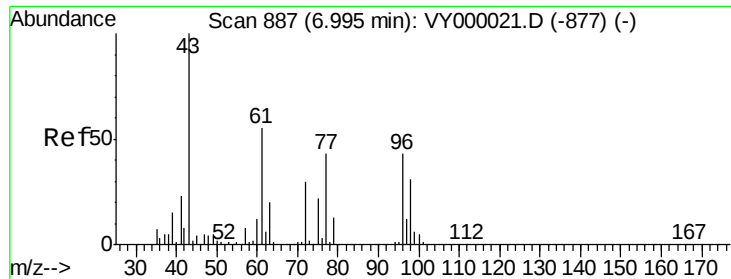
1000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 24.396 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

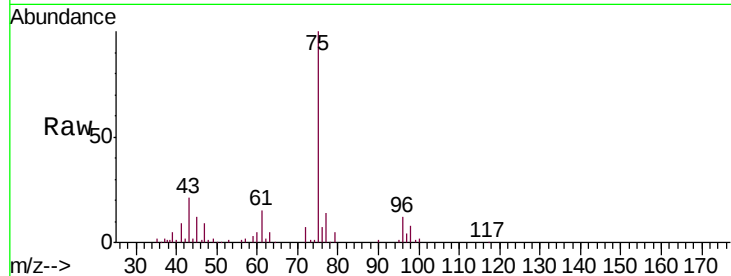
MDL2

Tgt Ion: 43 Resp: 12980

Ion Ratio Lower Upper

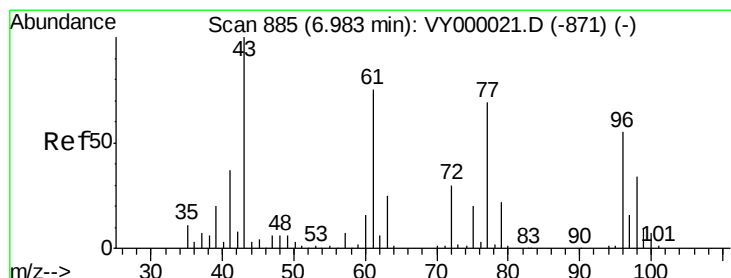
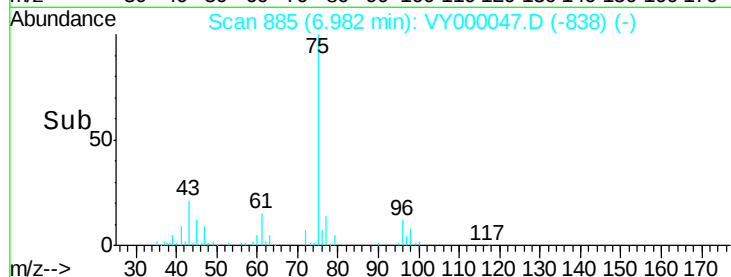
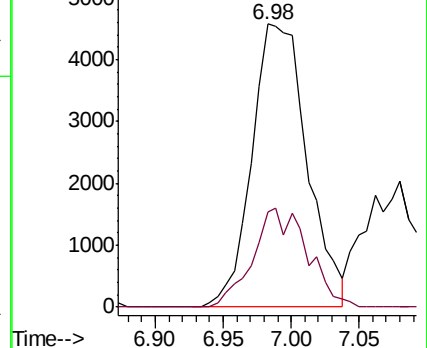
43 100

72 33.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 6.018 ug/l

RT: 6.97 min Scan# 883

Delta R.T. -0.01 min

Lab File: VY000047.D

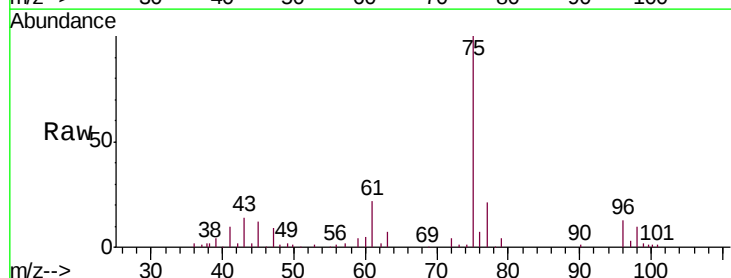
Acq: 16 Sep 2019 15:32

Tgt Ion: 77 Resp: 11468

Ion Ratio Lower Upper

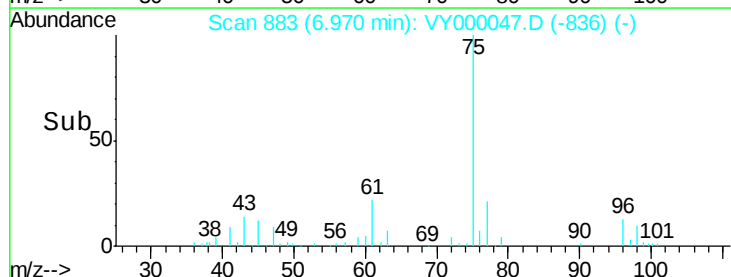
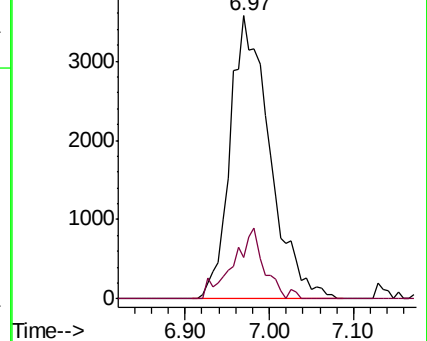
77 100

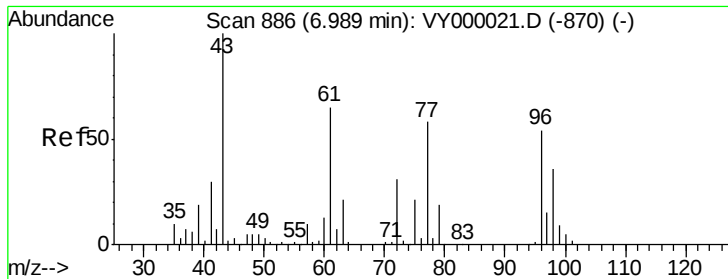
97 19.1 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



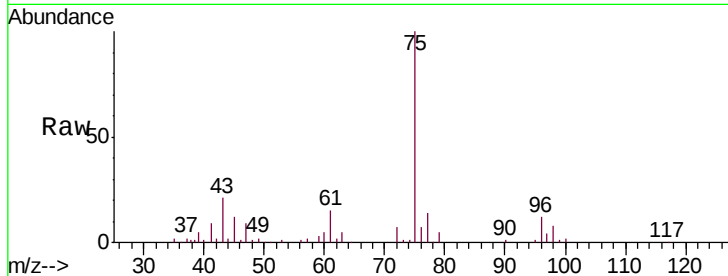


#27

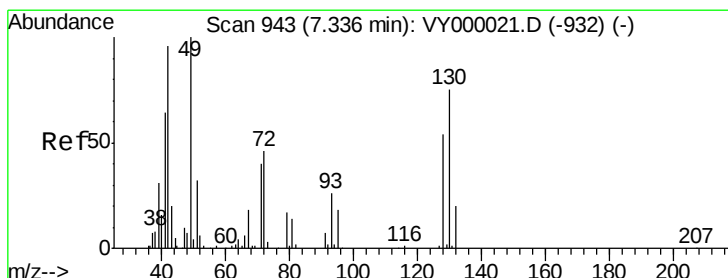
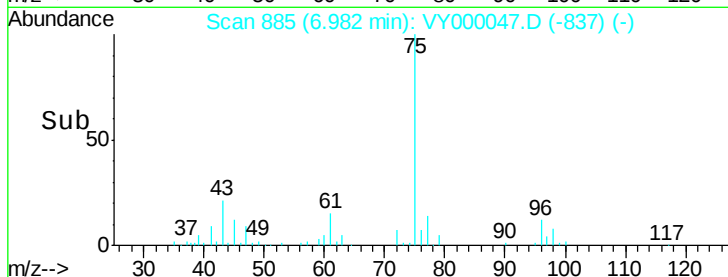
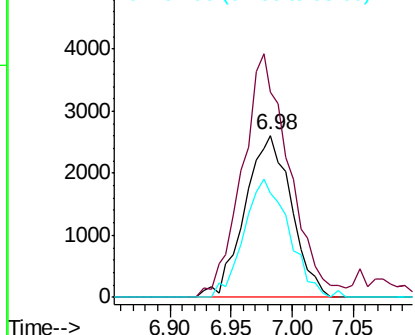
cis-1,2-Dichloroethene
Concen: 4.900 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tgt Ion: 96 Resp: 6913
Ion Ratio Lower Upper
96 100
61 152.9 0.0 259.2
98 69.9 0.0 127.4



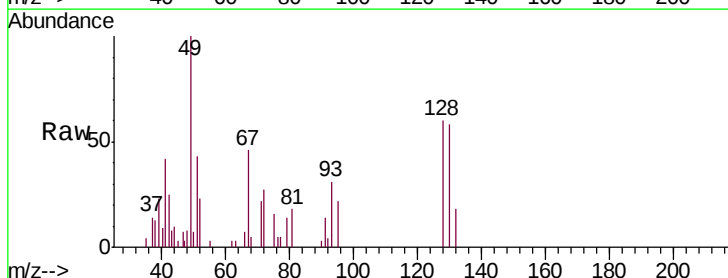
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



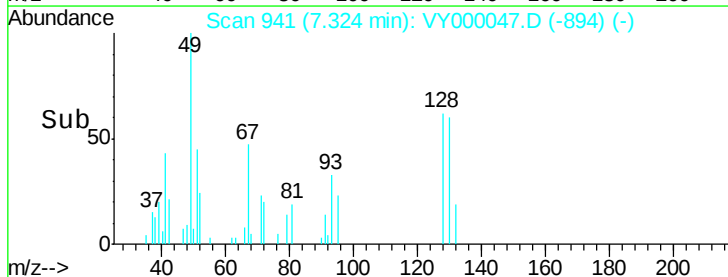
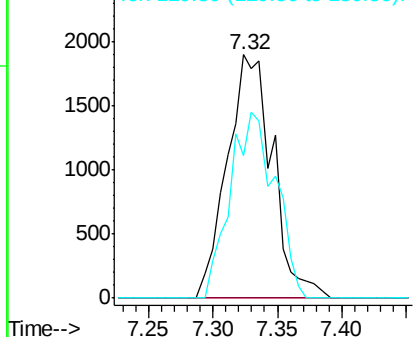
#28

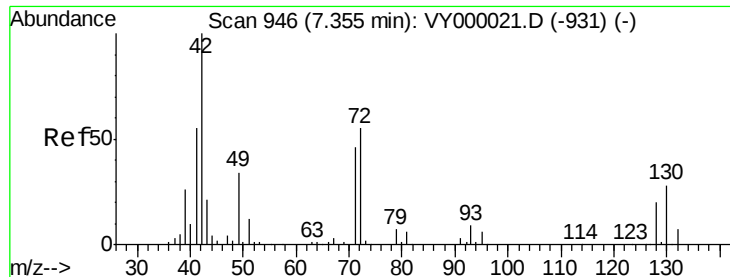
Bromochloromethane
Concen: 4.944 ug/l
RT: 7.32 min Scan# 941
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 49 Resp: 4658
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 75.8 62.5 93.7



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

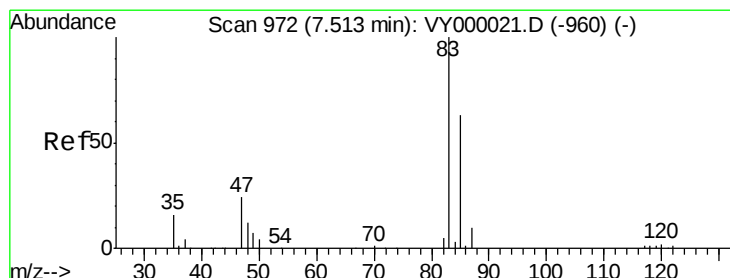
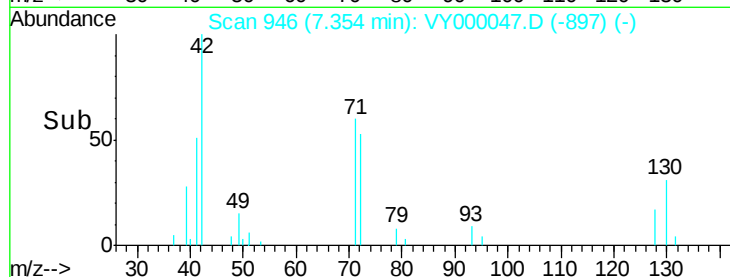
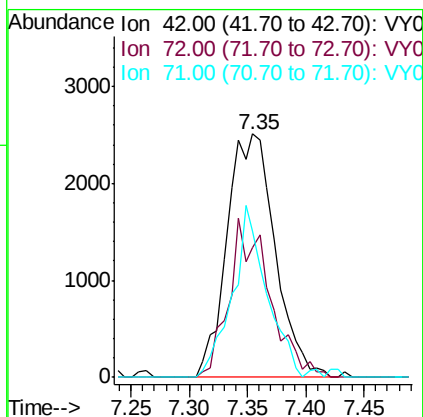
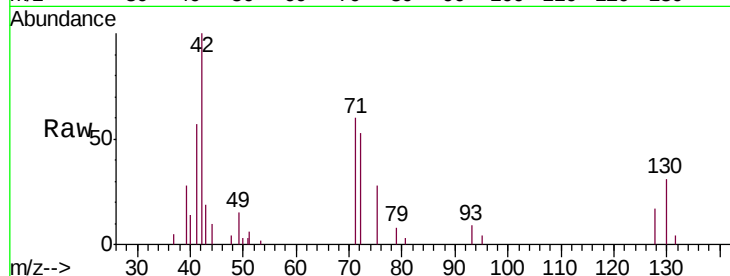




#29
Tetrahydrofuran
Concen: 22.758 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

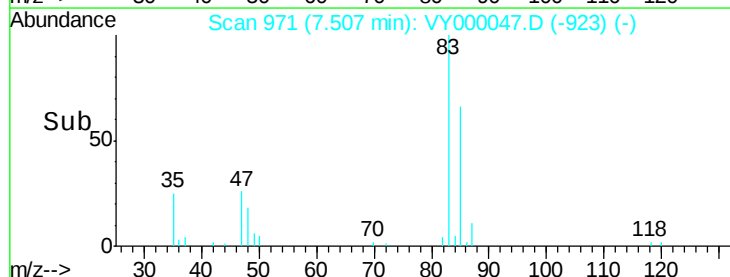
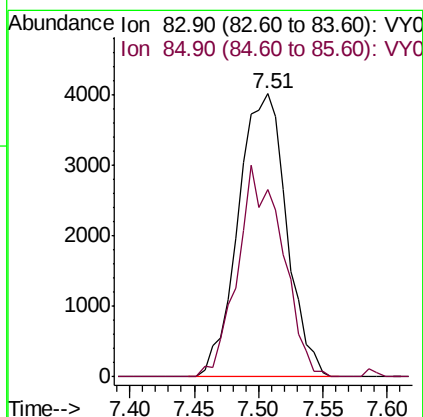
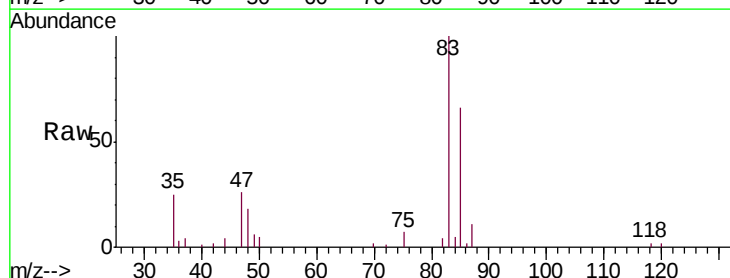
Instrument :
MSVOA_Y
ClientSampled :
MDL2

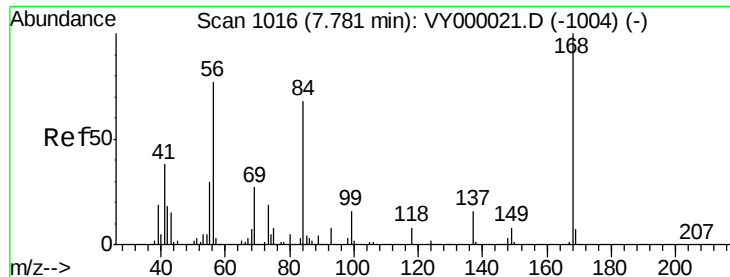
Tgt Ion: 42 Resp: 7203
Ion Ratio Lower Upper
42 100
72 54.8 41.1 61.7
71 50.2 36.5 54.7



#30
Chloroform
Concen: 4.933 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 83 Resp: 10435
Ion Ratio Lower Upper
83 100
85 66.0 50.6 76.0

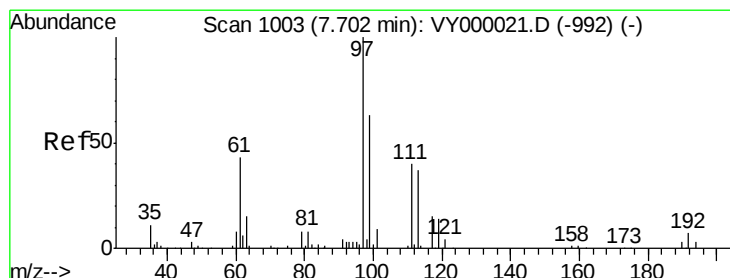
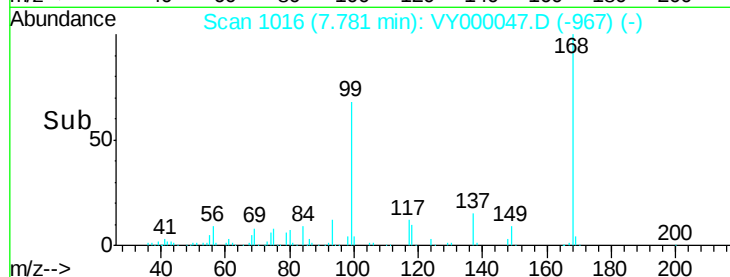
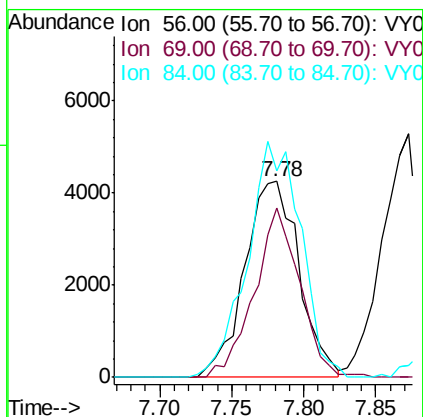
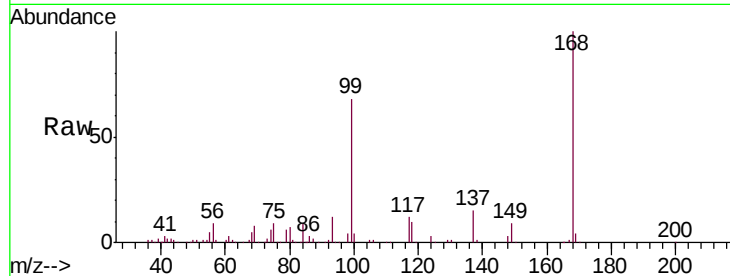




#31
Cyclohexane
Concen: 4.012 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

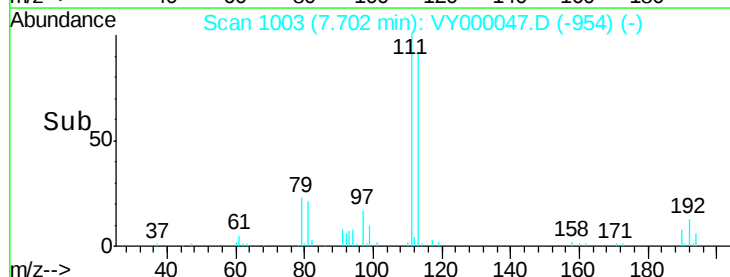
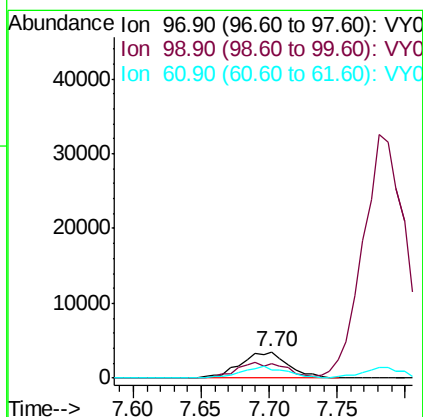
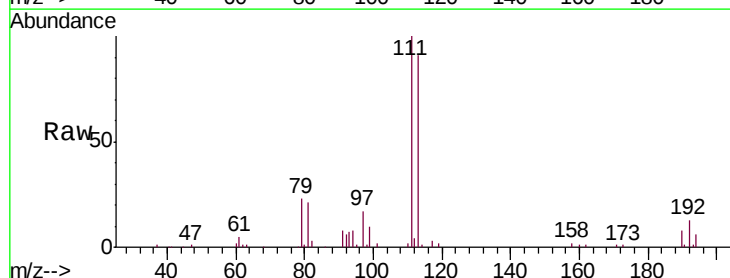
Instrument :
MSVOA_Y
ClientSampled :
MDL2

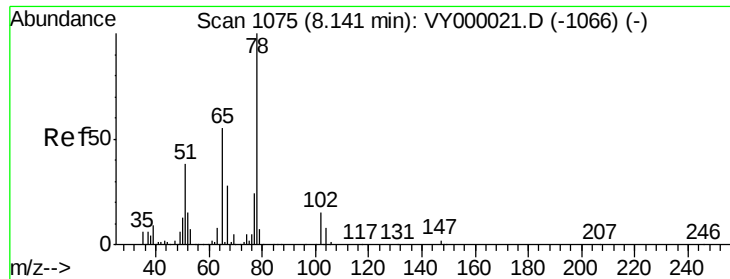
Tgt Ion: 56 Resp: 11114
Ion Ratio Lower Upper
56 100
69 86.7 28.0 42.0#
84 105.1 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 4.823 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 97 Resp: 8370
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.6
61 41.9 35.7 53.5

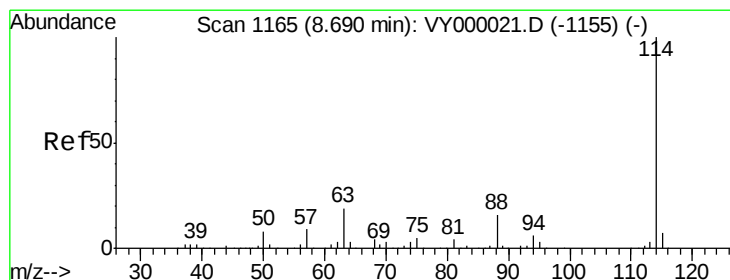
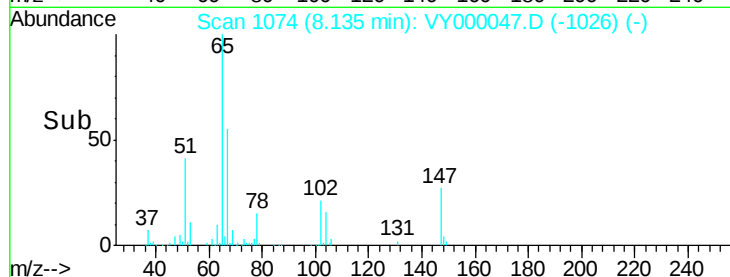
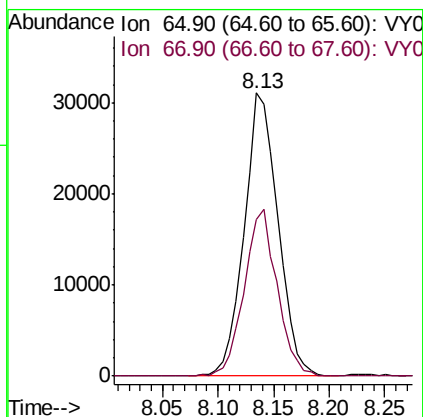
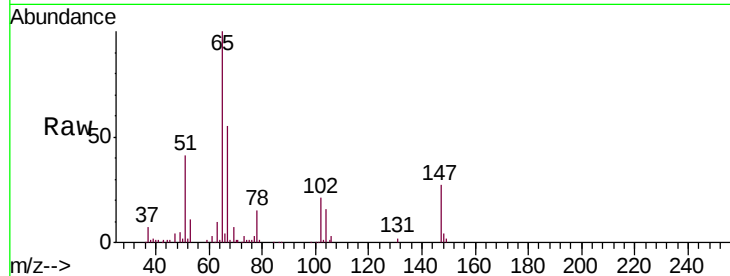




#33
 1,2-Dichloroethane-d4
 Concen: 55.575 ug/l
 RT: 8.13 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

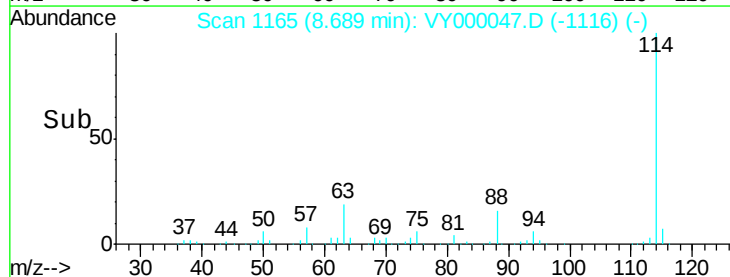
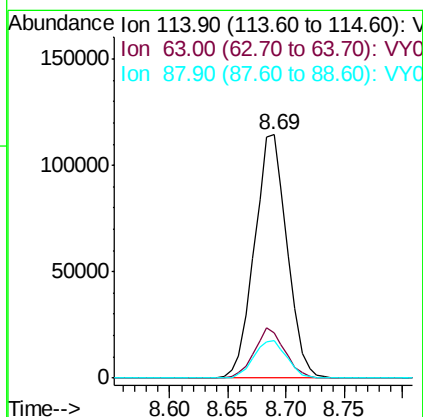
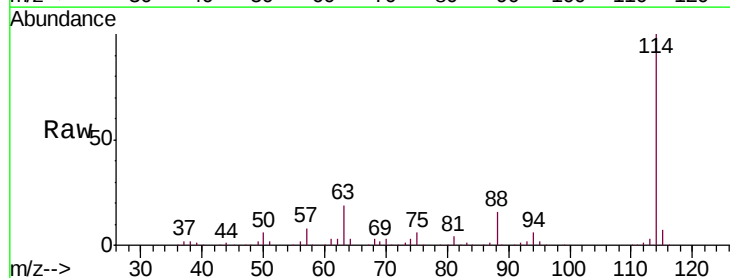
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

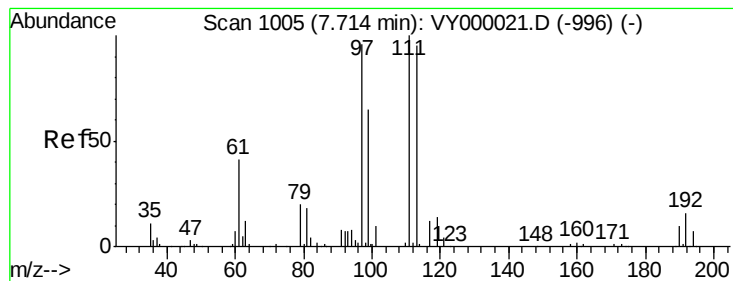
Tgt Ion: 65 Resp: 65610
 Ion Ratio Lower Upper
 65 100
 67 57.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 114 Resp: 223641
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.526 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

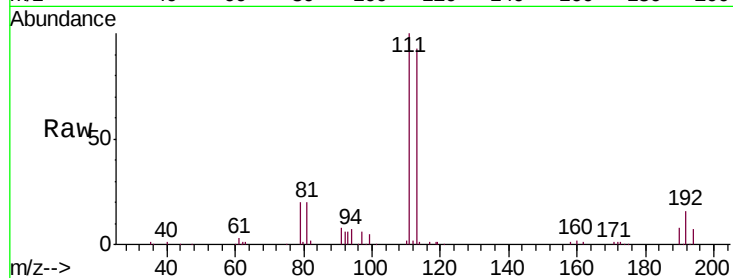
Tgt Ion:113 Resp: 59694

Ion Ratio Lower Upper

113 100

111 107.6 83.9 125.9

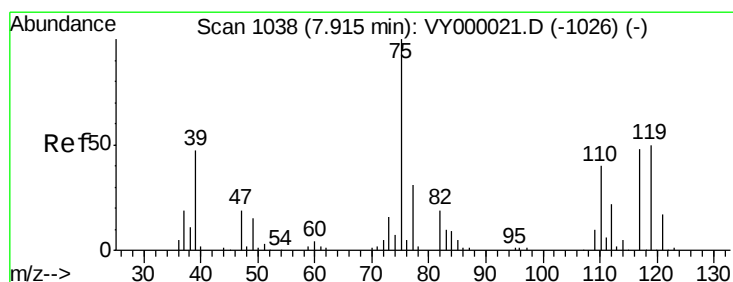
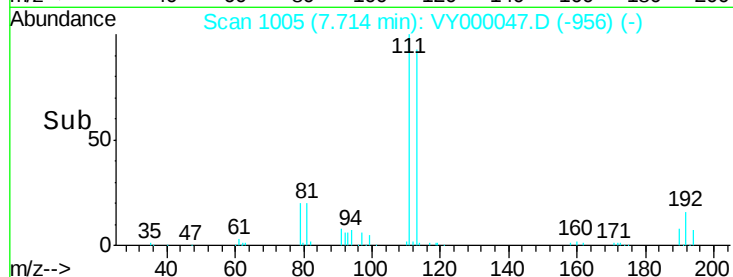
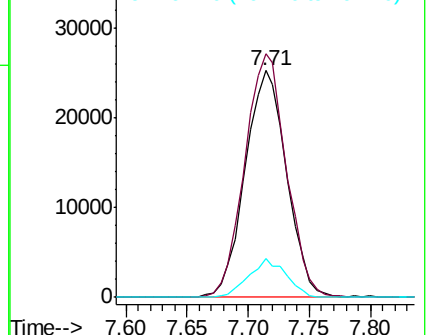
192 15.4 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 7.91 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

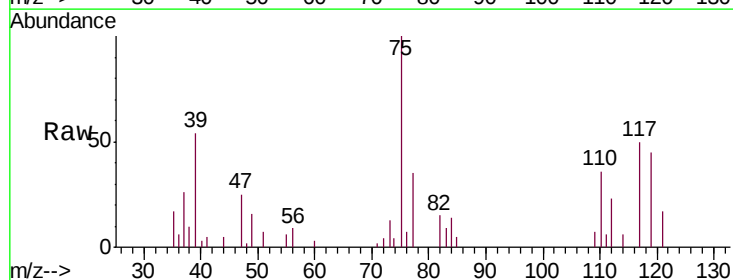
Tgt Ion: 75 Resp: 8187

Ion Ratio Lower Upper

75 100

110 40.8 18.6 55.8

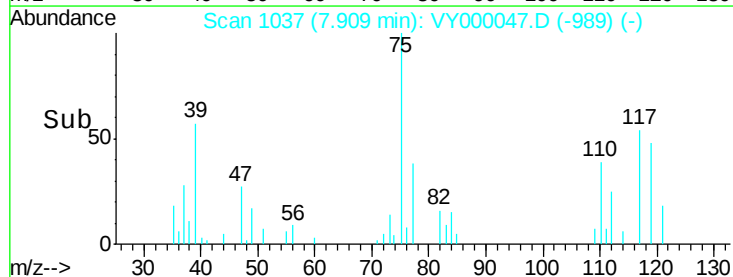
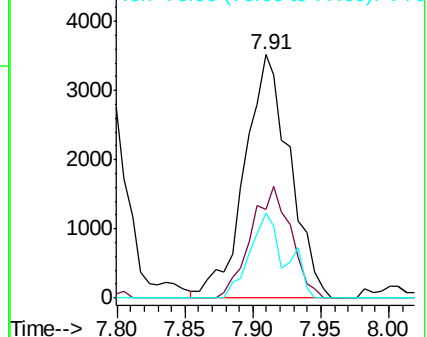
77 27.7 24.4 36.6

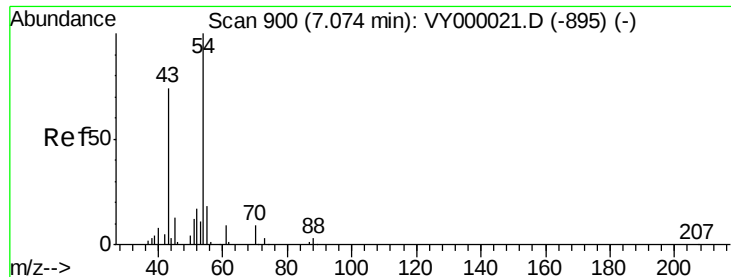


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

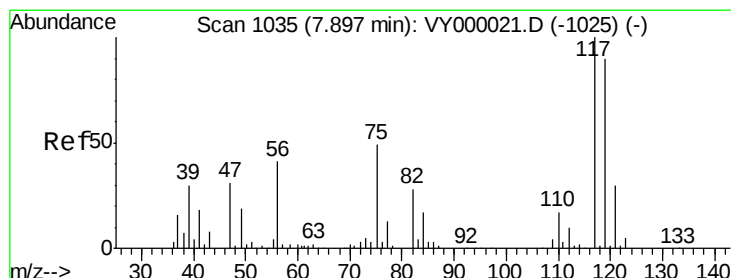
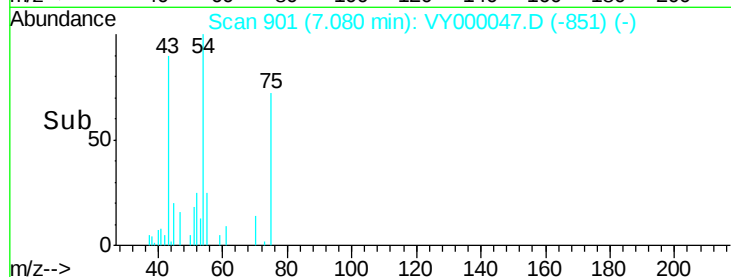
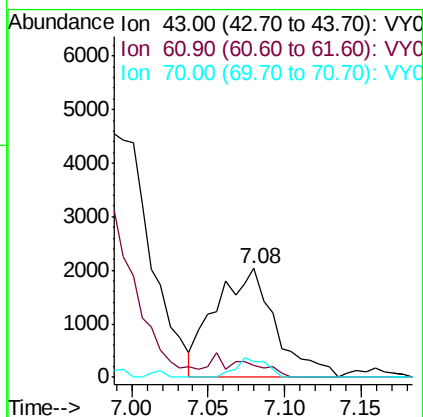
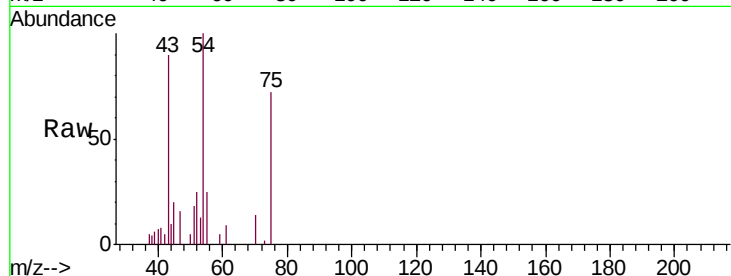




#37
Ethyl Acetate
Concen: 5.017 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

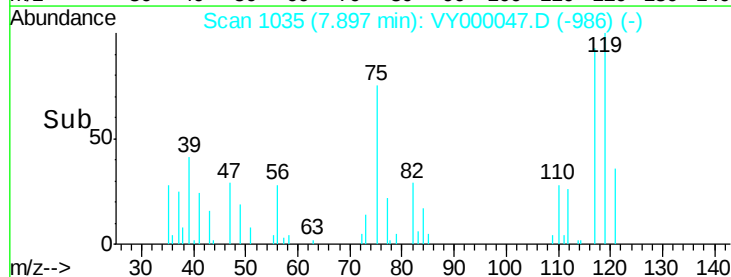
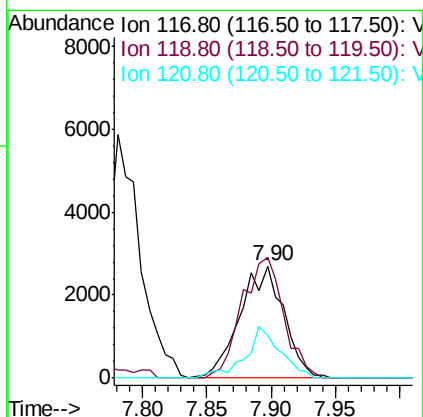
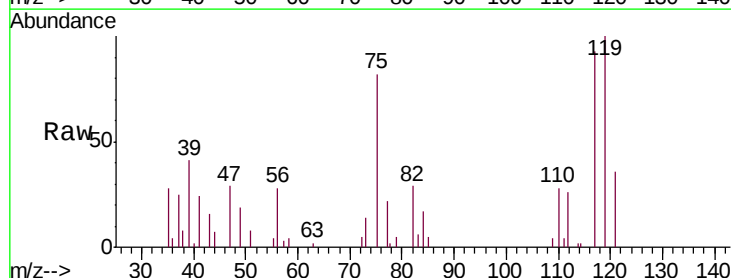
Instrument :
MSVOA_Y
ClientSampled :
MDL2

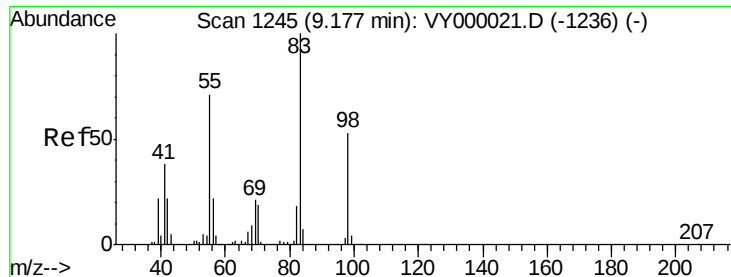
Tgt Ion: 43 Resp: 5555
Ion Ratio Lower Upper
43 100
61 0.0 13.1 19.7#
70 9.1 10.9 16.3#



#38
Carbon Tetrachloride
Concen: 4.149 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 117 Resp: 6431
Ion Ratio Lower Upper
117 100
119 108.1 72.1 108.1
121 38.7 23.9 35.9#

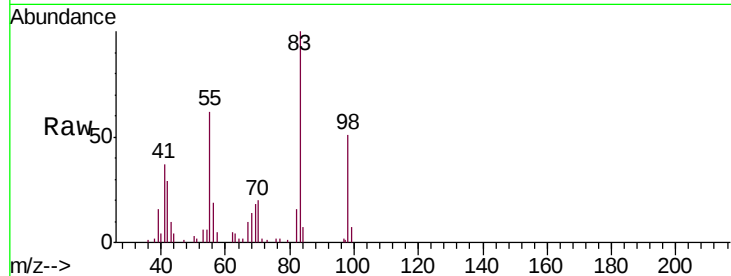




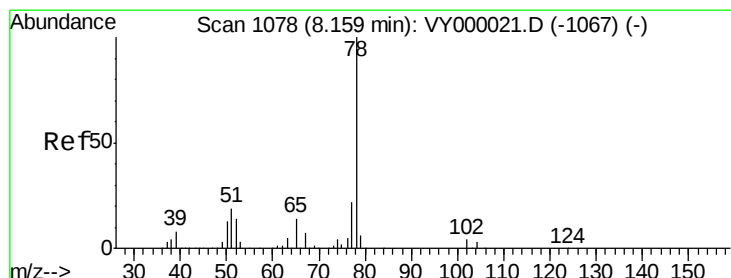
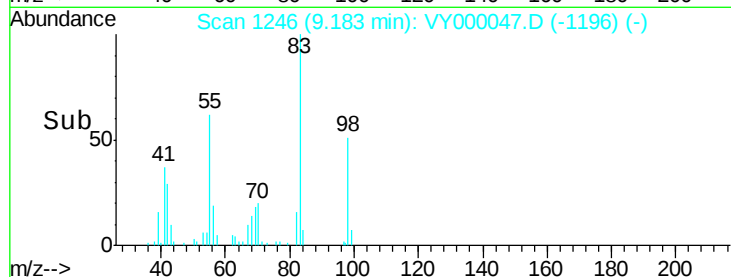
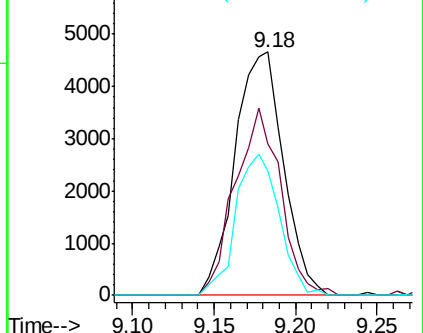
#39
Methylcyclohexane
Concen: 4.756 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tgt Ion: 83 Resp: 9649
Ion Ratio Lower Upper
83 100
55 62.1 57.0 85.4
98 51.2 42.0 63.0

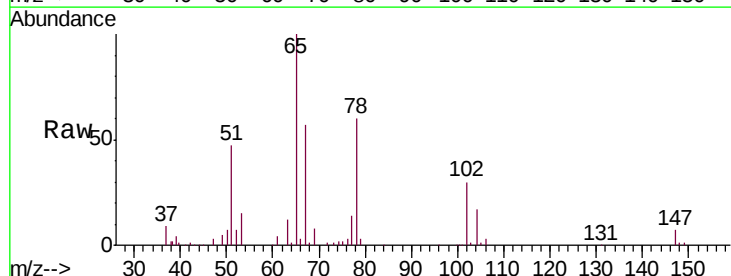


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

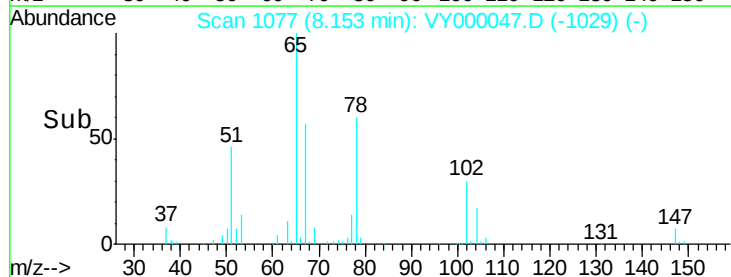
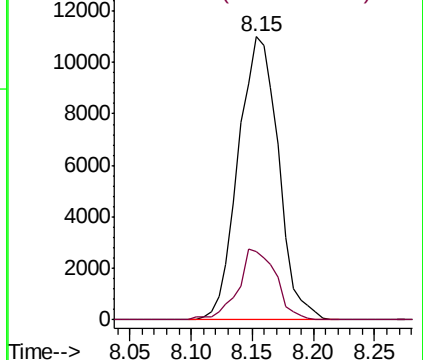


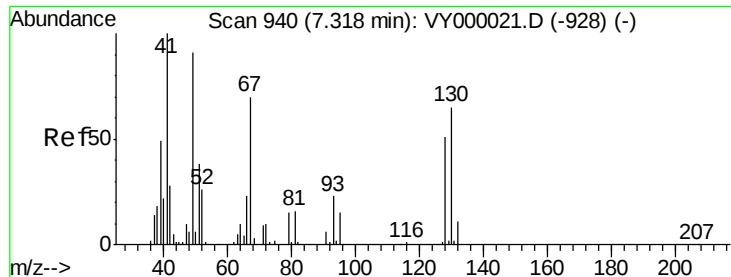
#40
Benzene
Concen: 4.690 ug/l
RT: 8.15 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 78 Resp: 25072
Ion Ratio Lower Upper
78 100
77 24.2 17.8 26.6



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

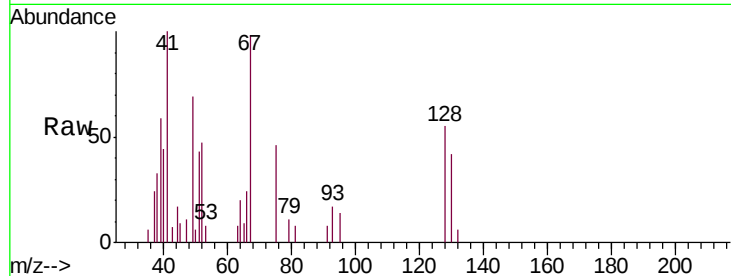




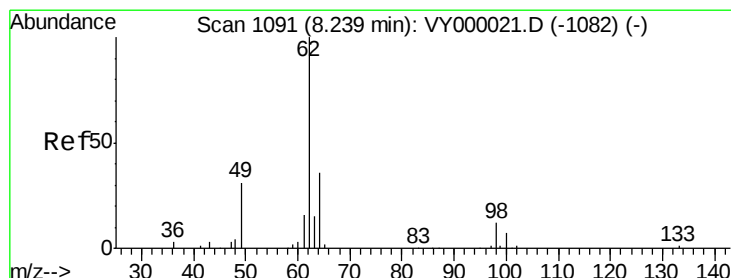
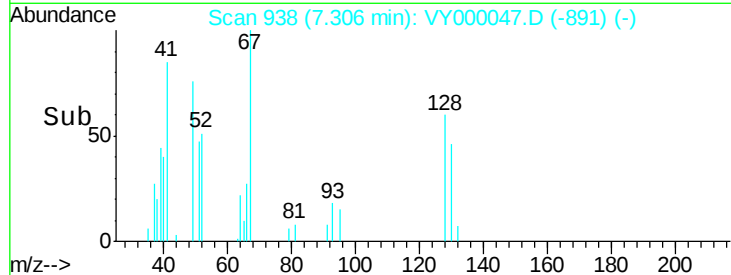
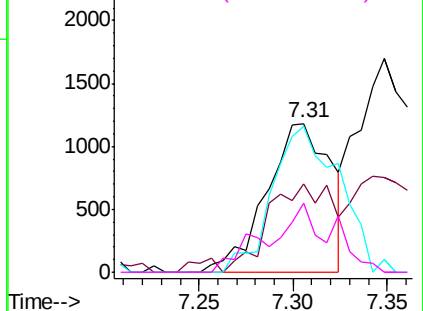
#41
Methacrylonitrile
Concen: 4.322 ug/l
RT: 7.31 min Scan# 938
Delta R.T. -0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tgt Ion: 41 Resp: 2784
Ion Ratio Lower Upper
41 100
39 59.1 41.8 62.6
67 102.7 65.8 98.6#
52 33.0 23.9 35.9

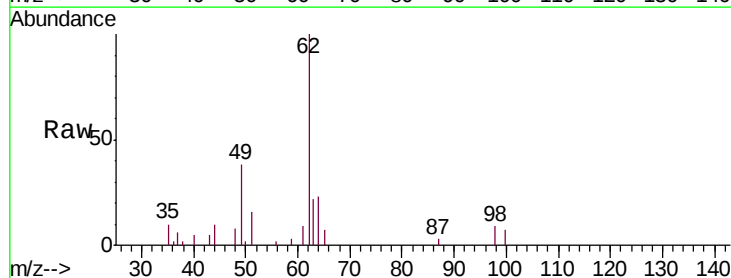


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

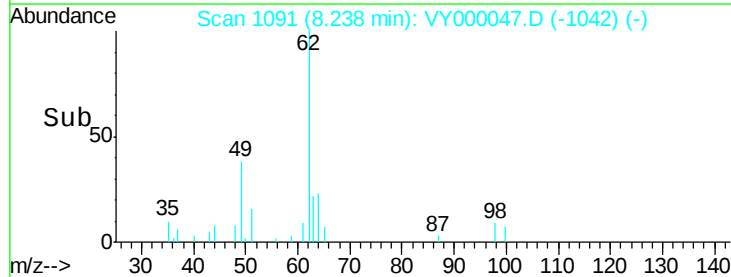
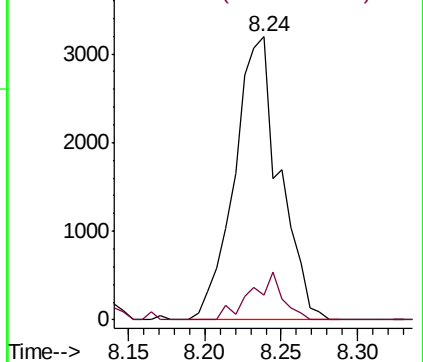


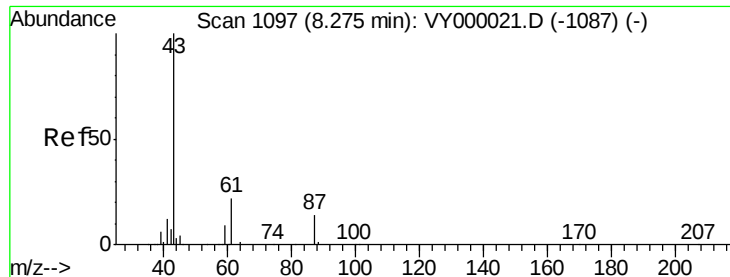
#42
1,2-Dichloroethane
Concen: 4.788 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 62 Resp: 6541
Ion Ratio Lower Upper
62 100
98 11.7 0.0 23.2



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





#43

Isopropyl Acetate

Concen: 4.305 ug/l

RT: 8.27 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

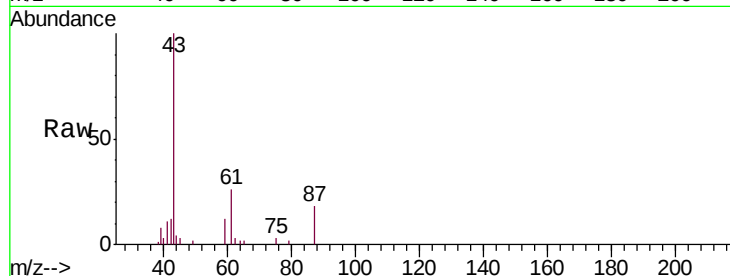
Tgt Ion: 43 Resp: 9238

Ion Ratio Lower Upper

43 100

61 24.0 24.9 37.3#

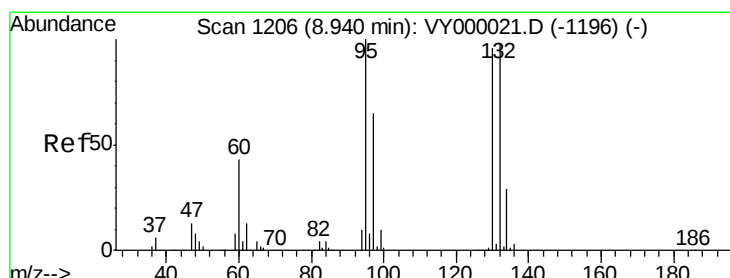
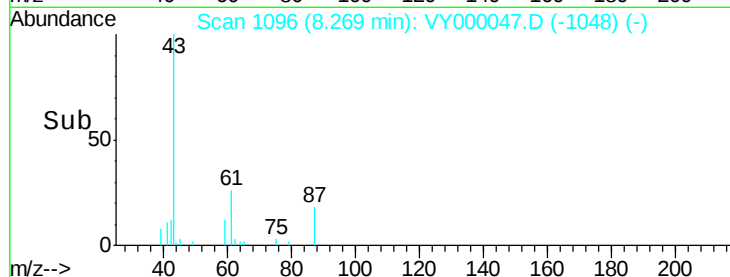
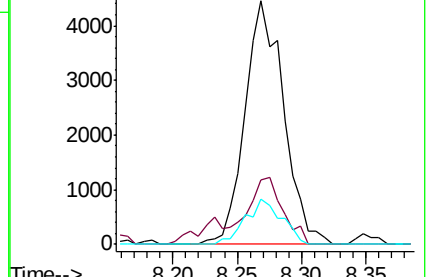
87 17.3 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VY000047.D (-1048) (-)

Ion 61.00 (60.70 to 61.70): VY000047.D (-1048) (-)

Ion 87.00 (86.70 to 87.70): VY000047.D (-1048) (-)



#44

Trichloroethene

Concen: 4.760 ug/l

RT: 8.93 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VY000047.D

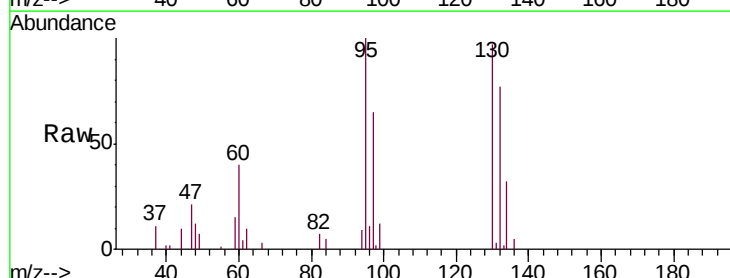
Acq: 16 Sep 2019 15:32

Tgt Ion: 130 Resp: 6354

Ion Ratio Lower Upper

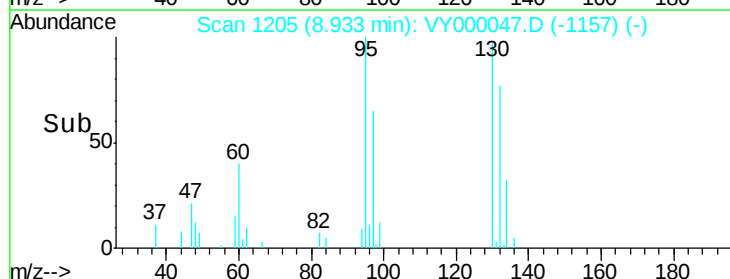
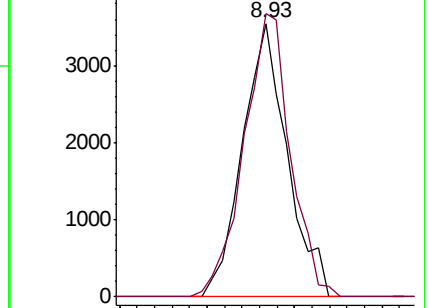
130 100

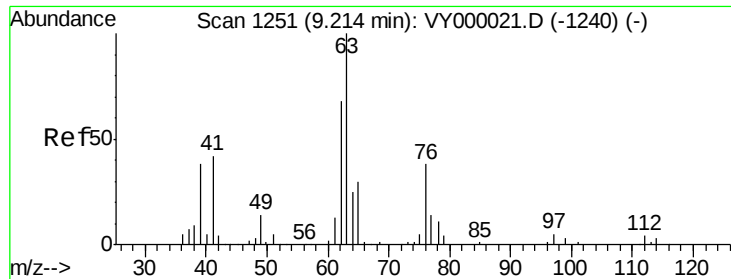
95 103.5 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000047.D (-1157) (-)

Ion 94.90 (94.60 to 95.60): VY000047.D (-1157) (-)

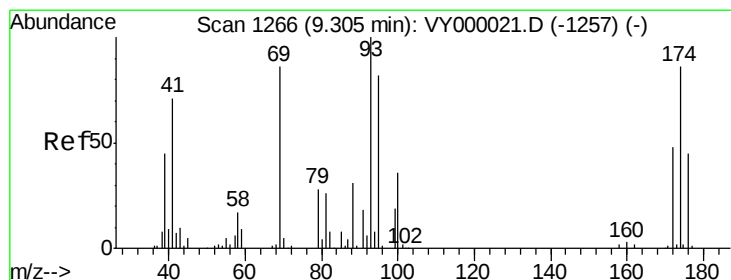
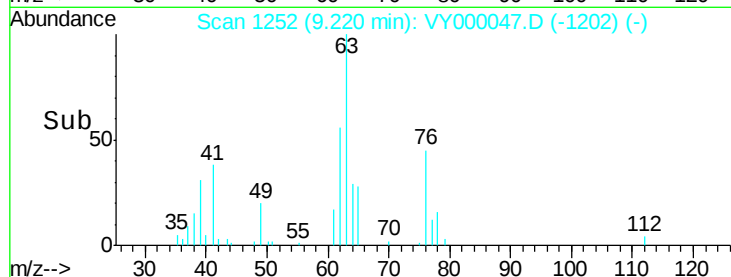
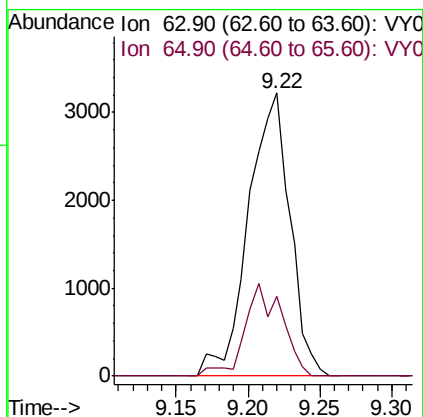
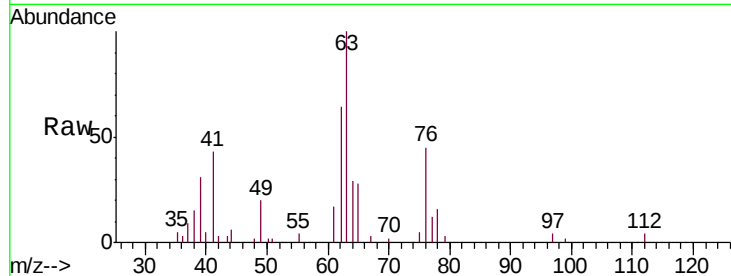




#45
 1,2-Dichloropropane
 Concen: 4.661 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

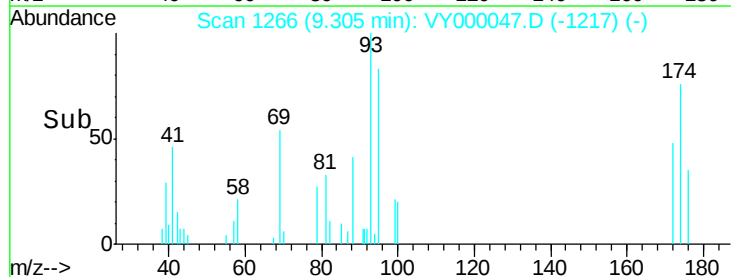
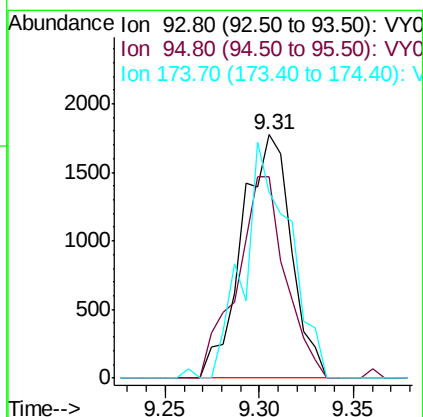
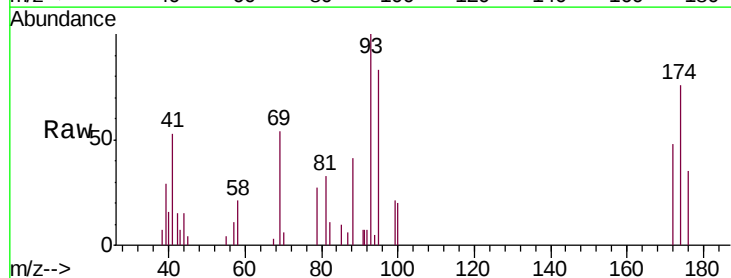
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

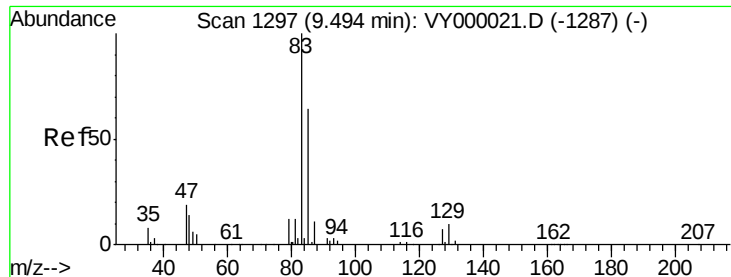
Tgt Ion: 63 Resp: 6425
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.1 36.1



#46
 Dibromomethane
 Concen: 4.206 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 93 Resp: 3218
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.6
 174 91.0 68.8 103.2





#47

Bromodichloromethane

Concen: 4.594 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

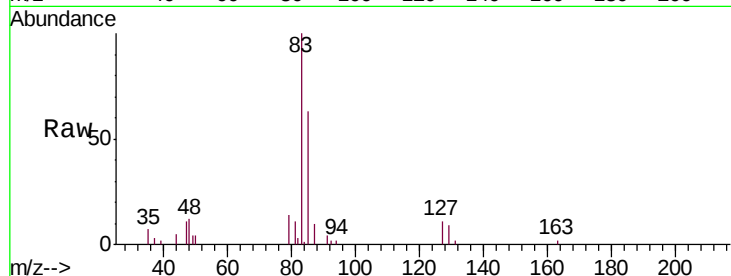
Tgt Ion: 83 Resp: 8389

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.2

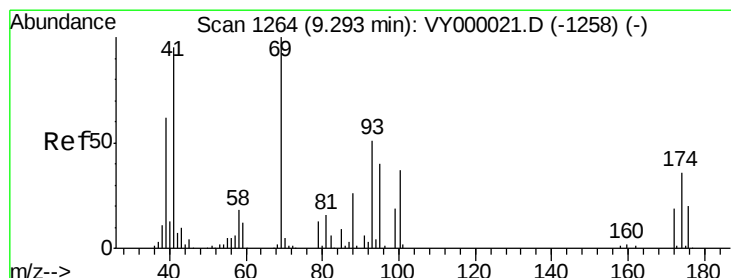
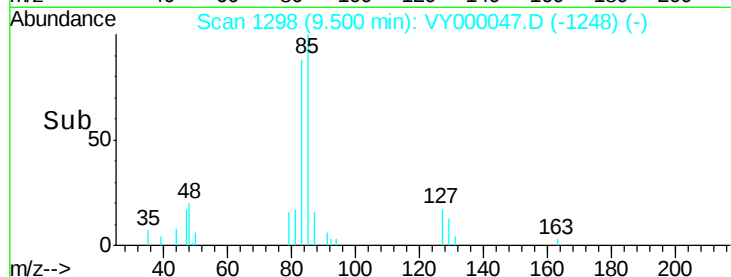
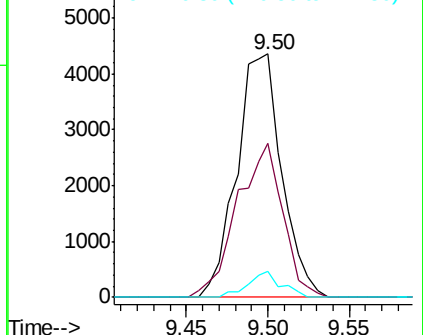
127 10.5 5.4 8.2#



Abundance Ion 82.90 (82.60 to 83.60): VY000047.D (-1248) (-)

Ion 84.90 (84.60 to 85.60): VY000047.D (-1248) (-)

Ion 126.80 (126.50 to 127.50): VY000047.D (-1248) (-)



#48

Methyl methacrylate

Concen: 4.575 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

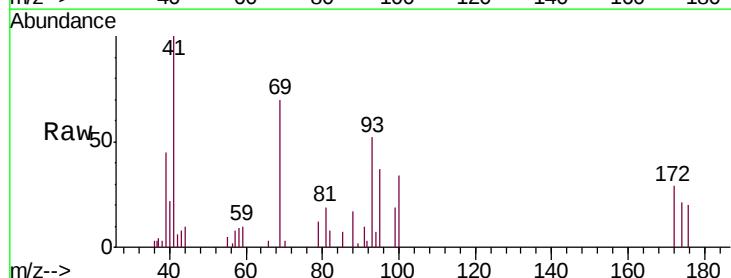
Tgt Ion: 41 Resp: 4332

Ion Ratio Lower Upper

41 100

69 89.9 79.7 119.5

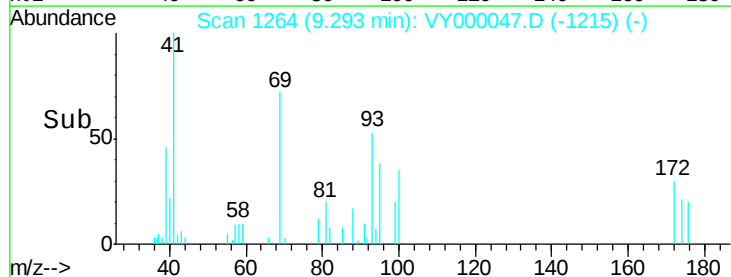
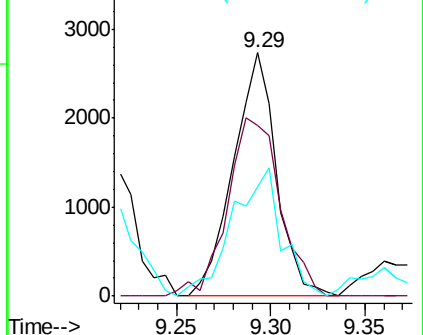
39 60.2 48.6 72.8

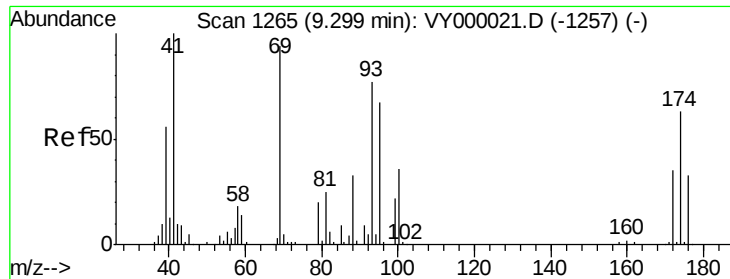


Abundance Ion 41.00 (40.70 to 41.70): VY000047.D (-1215) (-)

Ion 69.00 (68.70 to 69.70): VY000047.D (-1215) (-)

Ion 39.00 (38.70 to 39.70): VY000047.D (-1215) (-)

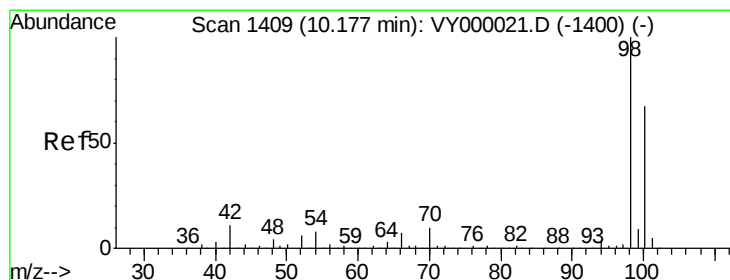
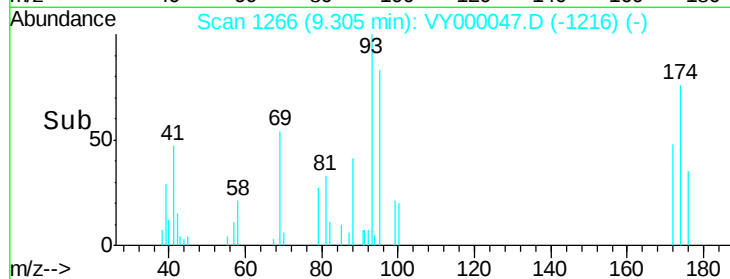
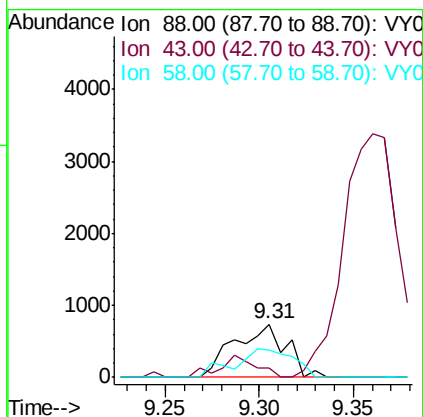
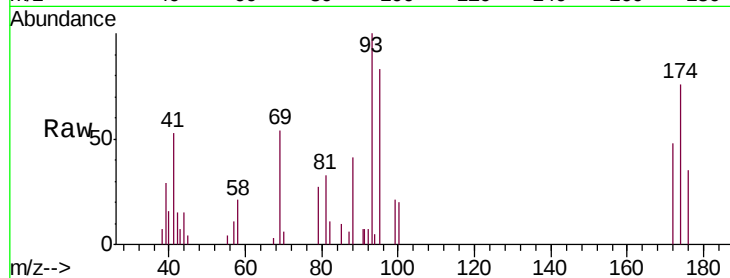




#49
 1,4-Dioxane
 Concen: 87.446 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

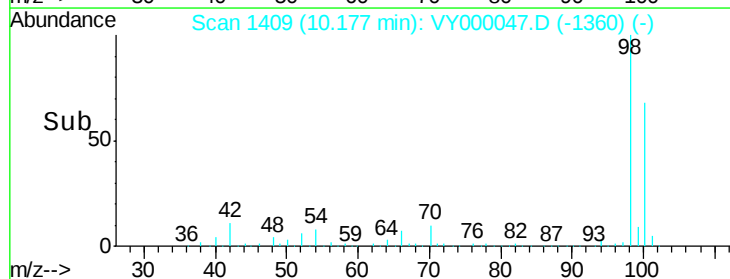
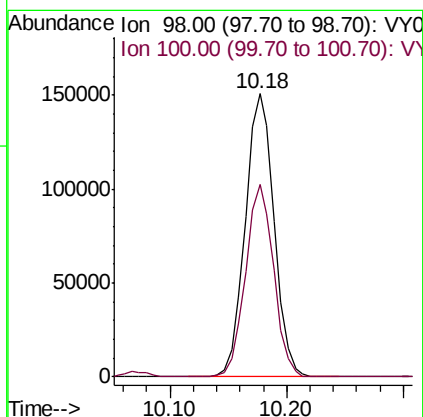
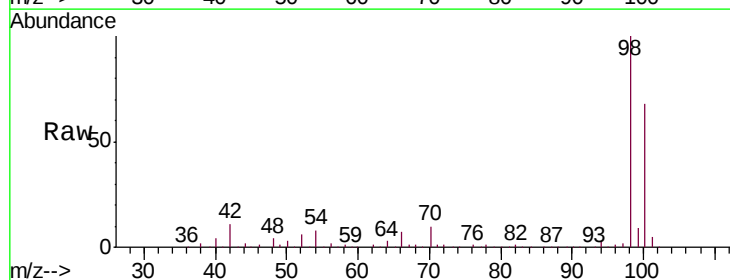
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

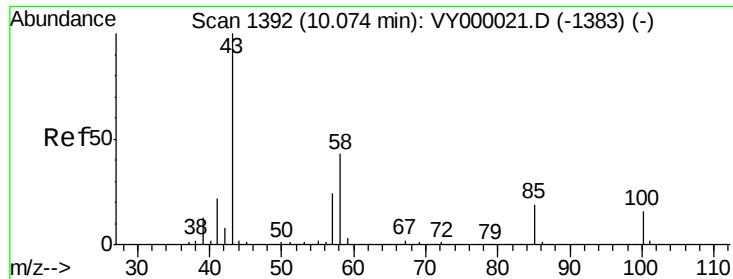
Tgt Ion: 88 Resp: 1401
 Ion Ratio Lower Upper
 88 100
 43 28.9 24.6 37.0
 58 60.2 52.7 79.1



#50
 Toluene-d8
 Concen: 50.170 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 98 Resp: 259165
 Ion Ratio Lower Upper
 98 100
 100 66.7 54.0 81.0

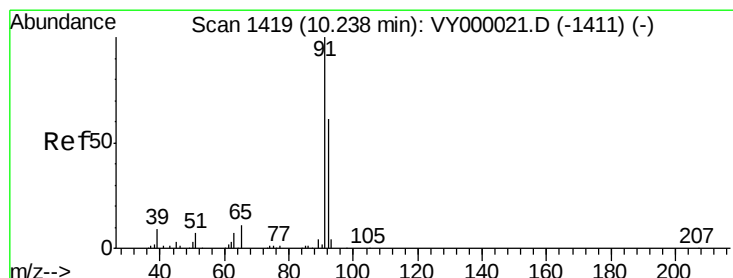
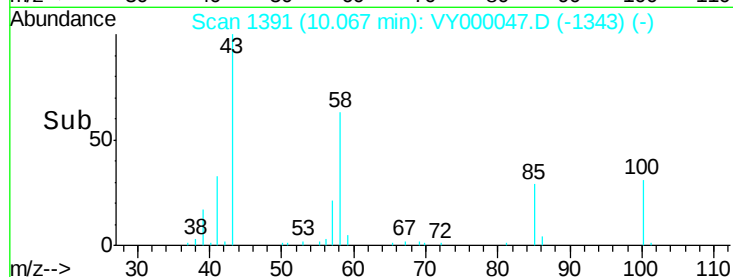
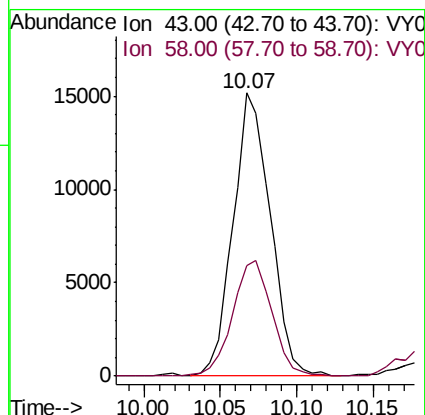
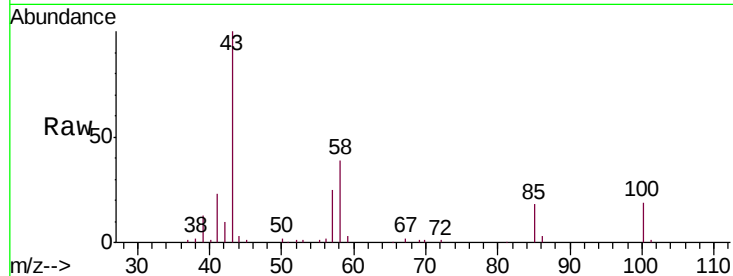




#51
 4-Methyl-2-Pentanone
 Concen: 21.321 ug/l
 RT: 10.07 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

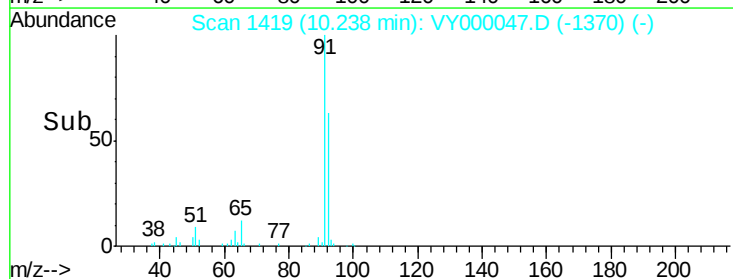
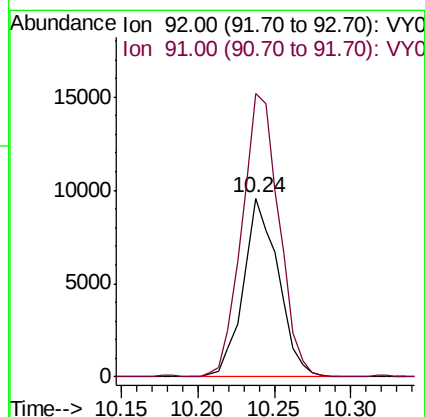
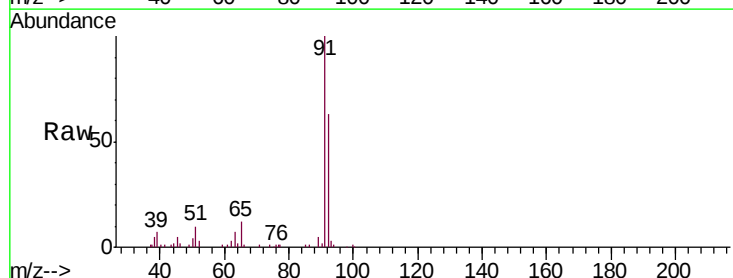
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

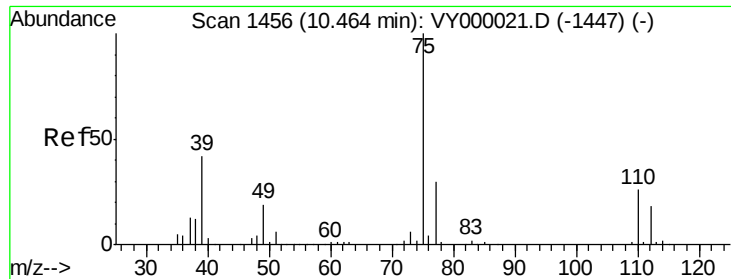
Tgt Ion: 43 Resp: 25635
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.1 51.1



#52
 Toluene
 Concen: 4.530 ug/l
 RT: 10.24 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 92 Resp: 15216
 Ion Ratio Lower Upper
 92 100
 91 167.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 4.503 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

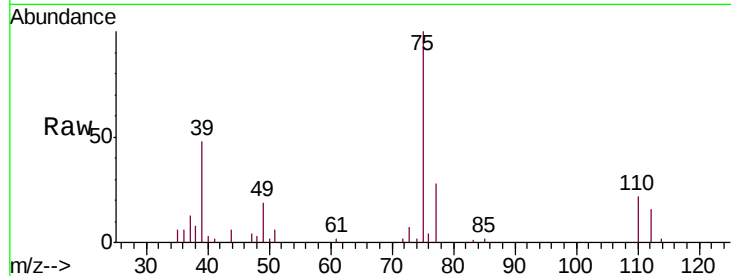
MDL2

Tgt Ion: 75 Resp: 8647

Ion Ratio Lower Upper

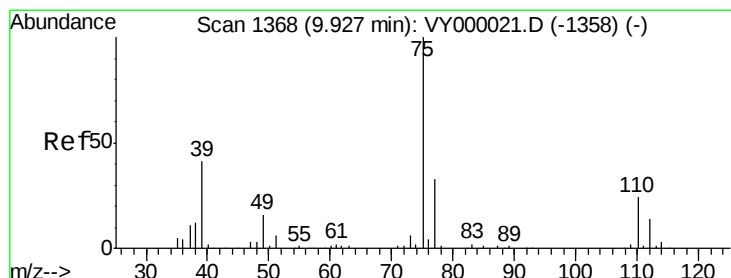
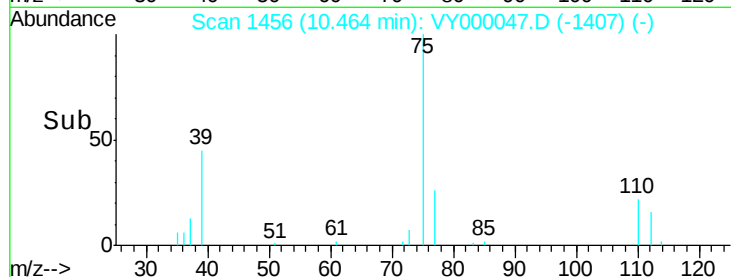
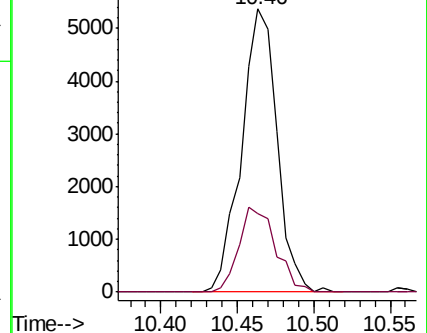
75 100

77 27.6 23.8 35.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 4.616 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

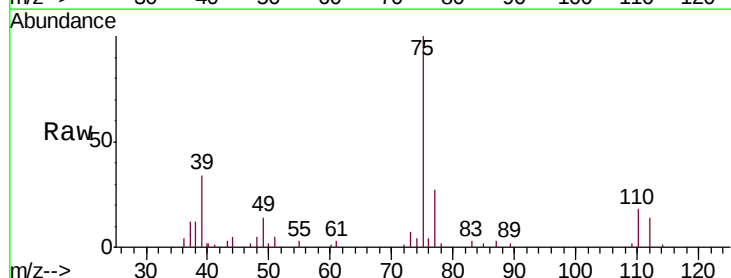
Tgt Ion: 75 Resp: 10313

Ion Ratio Lower Upper

75 100

77 27.0 26.3 39.5

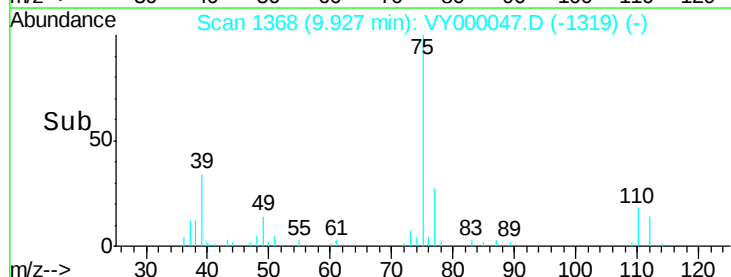
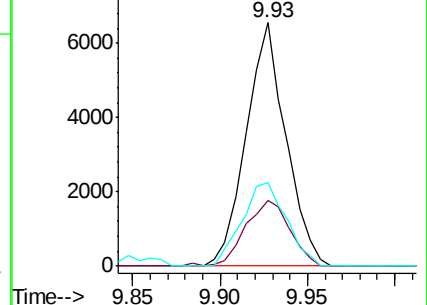
39 34.2 32.9 49.3

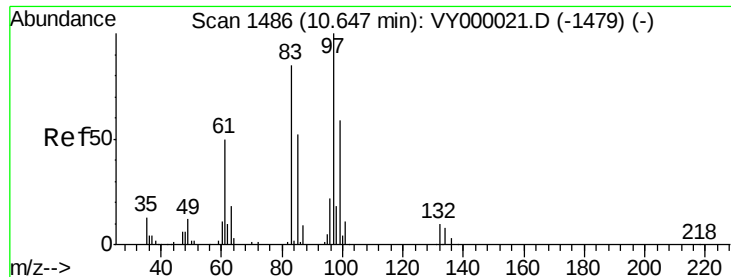


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

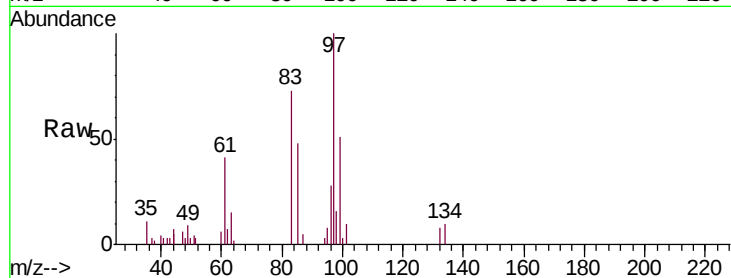




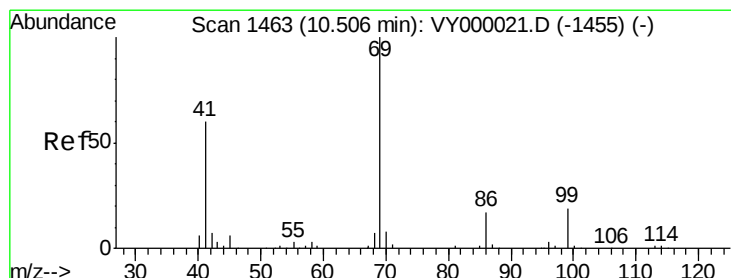
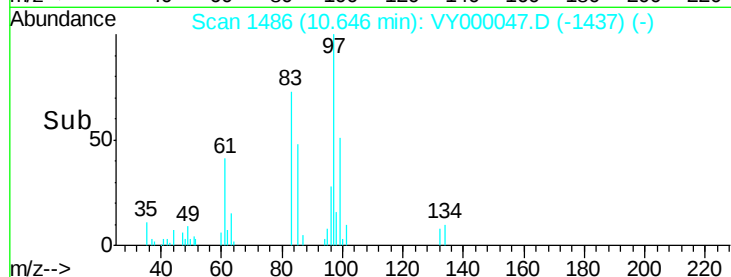
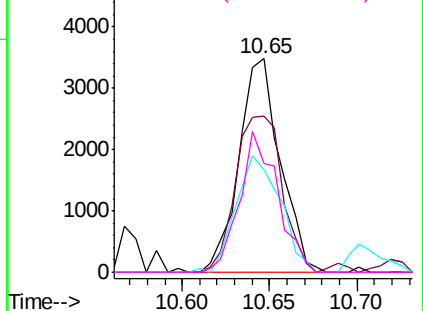
#55
 1,1,2-Trichloroethane
 Concen: 4.707 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

Tgt Ion: 97 Resp: 5706
 Ion Ratio Lower Upper
 97 100
 83 73.4 68.2 102.2
 85 48.1 41.7 62.5
 99 51.1 47.3 70.9

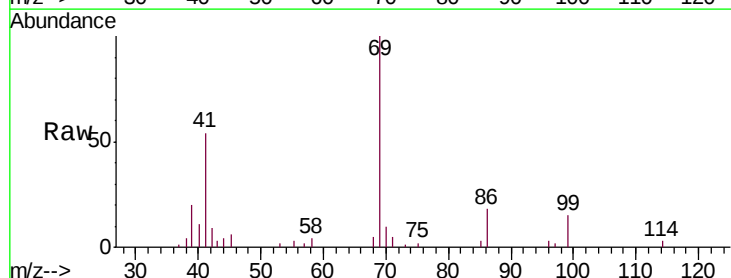


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

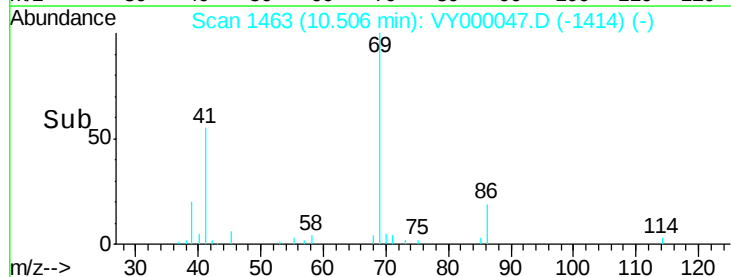
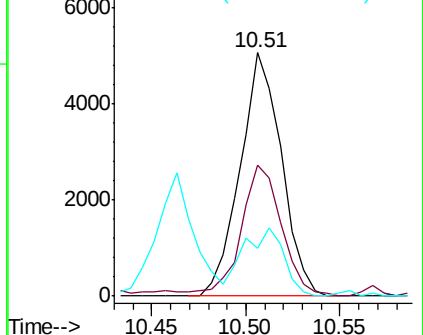


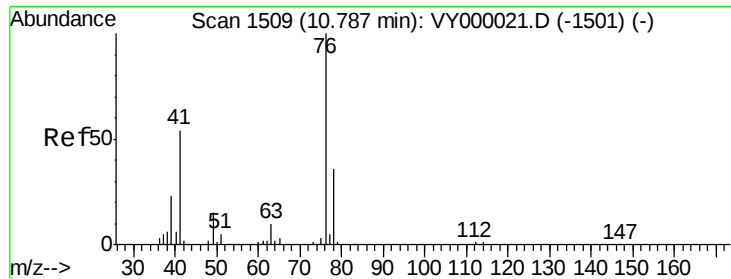
#56
 Ethyl methacrylate
 Concen: 4.522 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 69 Resp: 7693
 Ion Ratio Lower Upper
 69 100
 41 52.7 47.0 70.4
 39 27.8 26.4 39.6



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

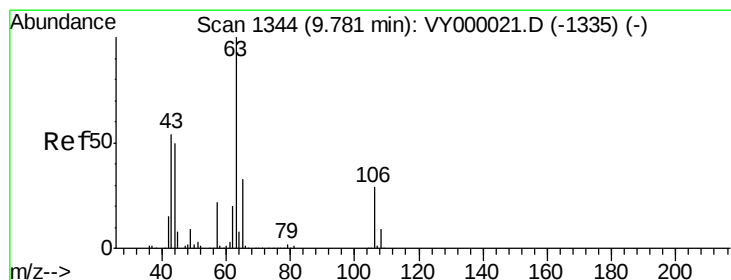
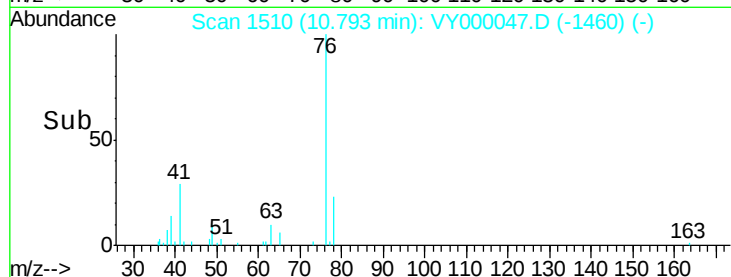
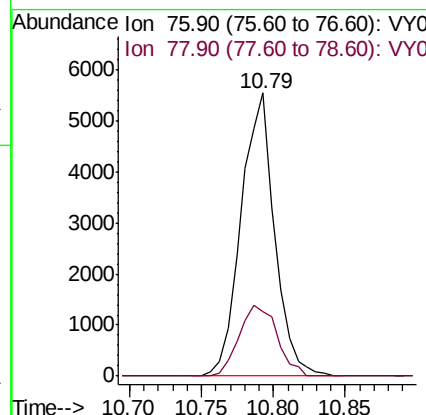
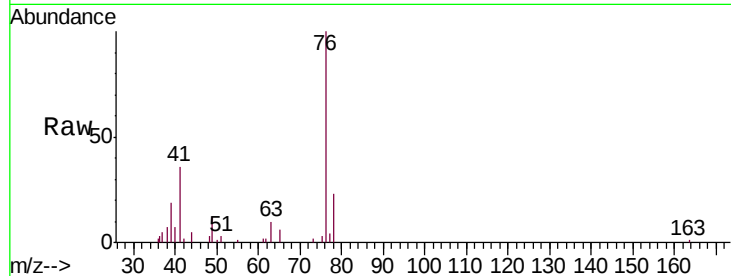




#57
 1,3-Dichloropropane
 Concen: 4.616 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

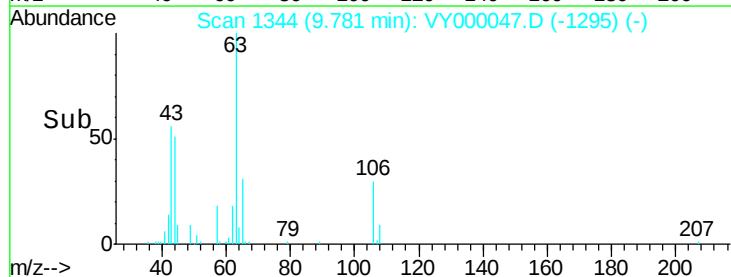
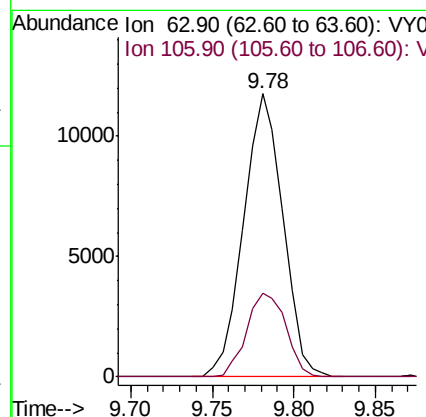
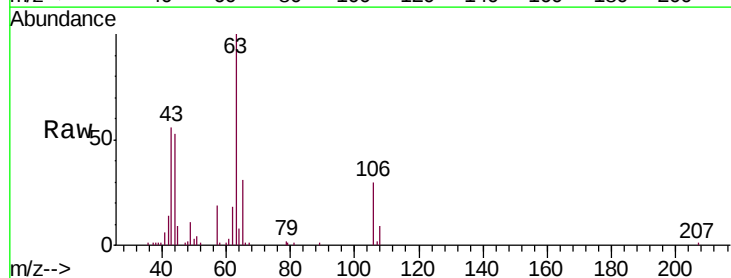
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

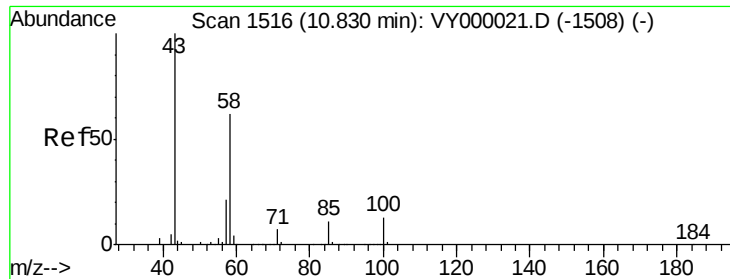
Tgt Ion: 76 Resp: 8949
 Ion Ratio Lower Upper
 76 100
 78 28.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.181 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 63 Resp: 19740
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.7 35.5

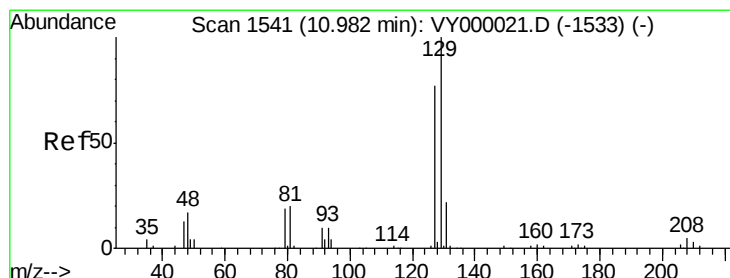
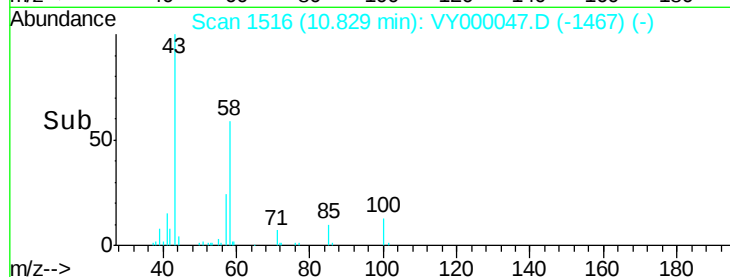
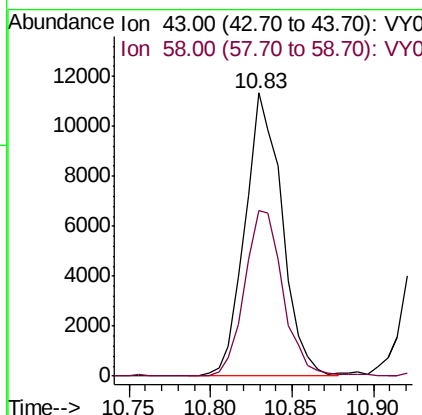
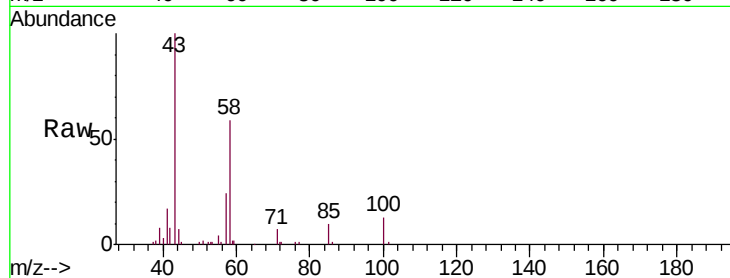




#59
2-Hexanone
Concen: 20.792 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

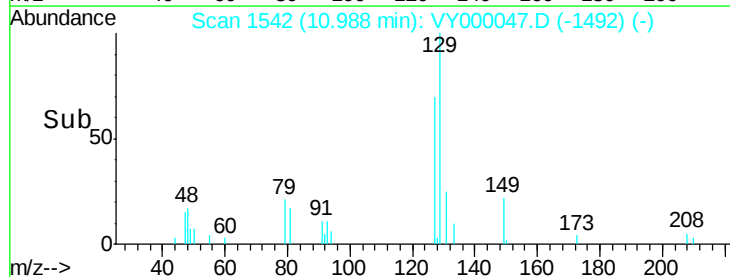
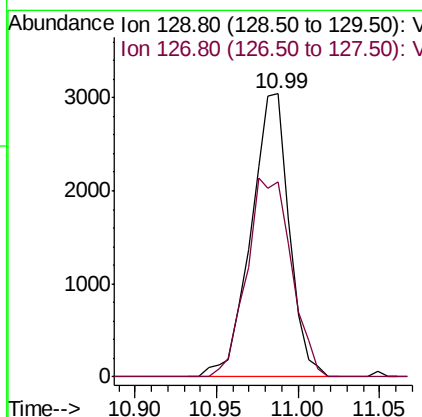
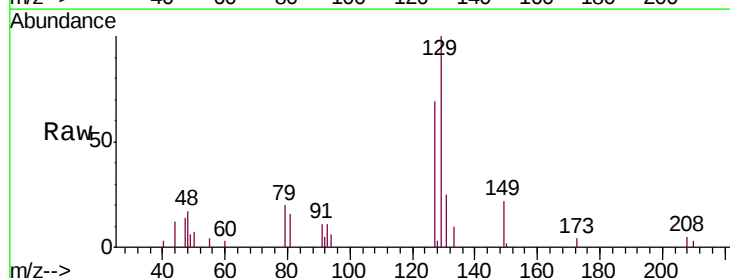
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

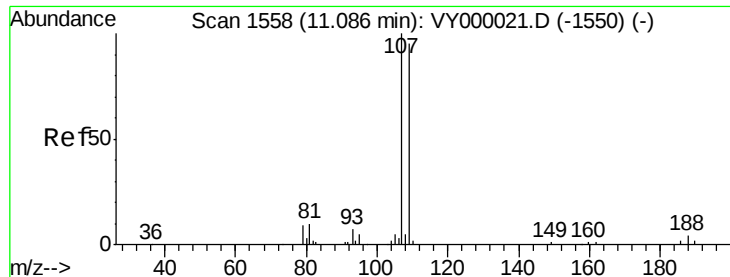
Tgt Ion: 43 Resp: 18015
Ion Ratio Lower Upper
43 100
58 60.5 30.3 90.8



#60
Dibromochloromethane
Concen: 3.862 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 129 Resp: 4934
Ion Ratio Lower Upper
129 100
127 82.1 38.4 115.2

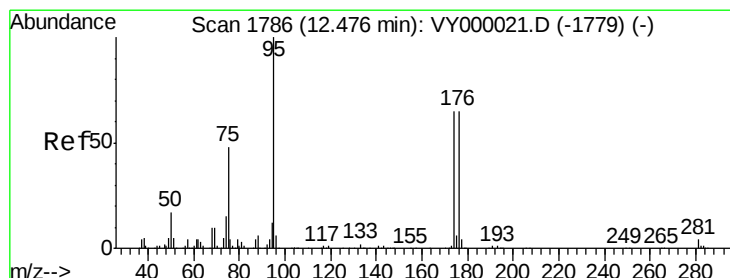
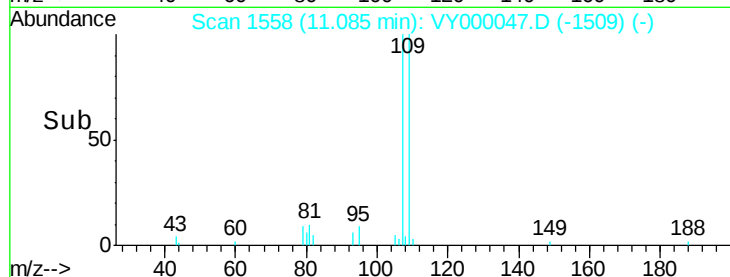
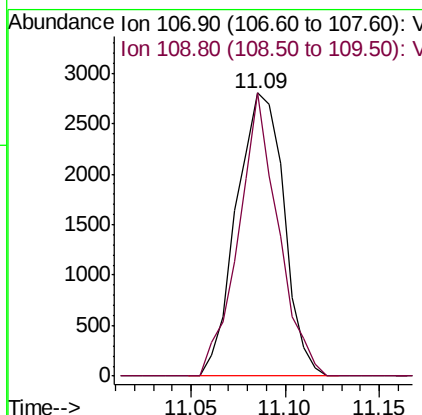
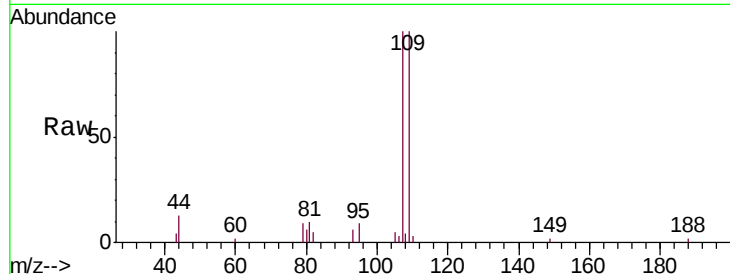




#61
 1,2-Dibromoethane
 Concen: 4.574 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

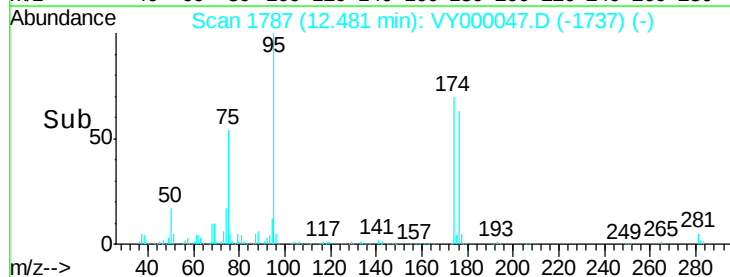
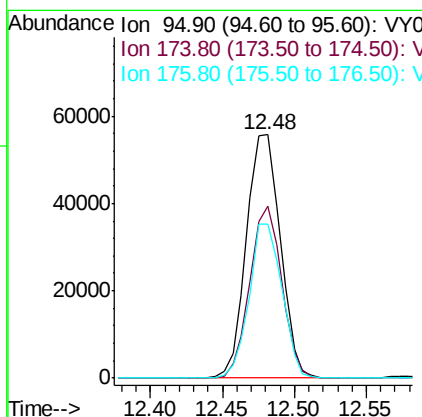
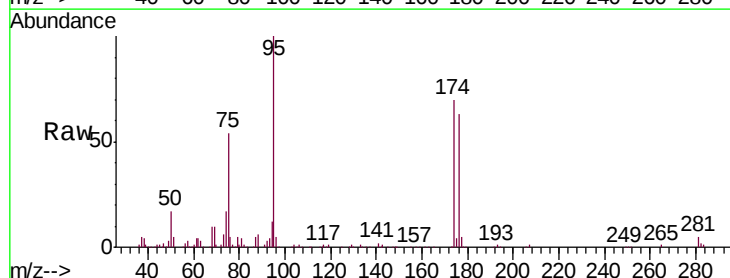
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

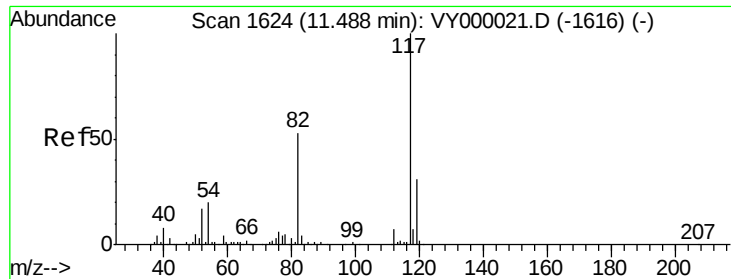
Tgt Ion: 107 Resp: 4898
 Ion Ratio Lower Upper
 107 100
 109 83.7 76.7 115.1



#62
 4-Bromofluorobenzene
 Concen: 48.344 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 95 Resp: 90769
 Ion Ratio Lower Upper
 95 100
 174 66.5 0.0 137.6
 176 61.2 0.0 134.8

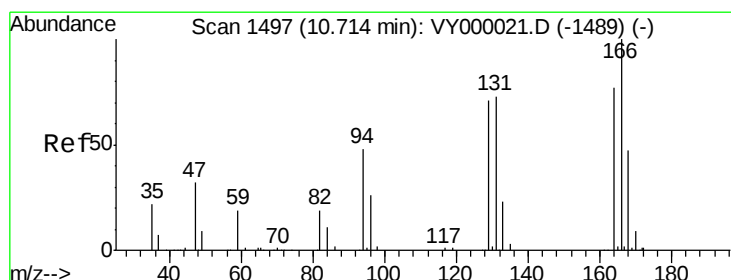
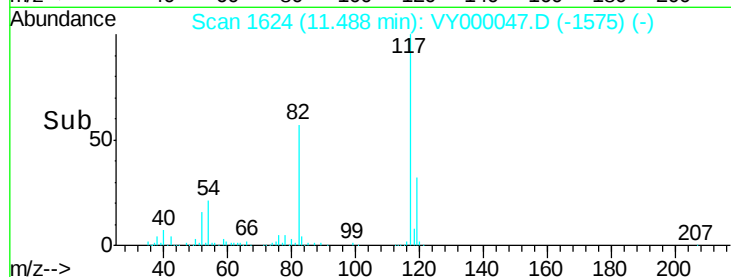
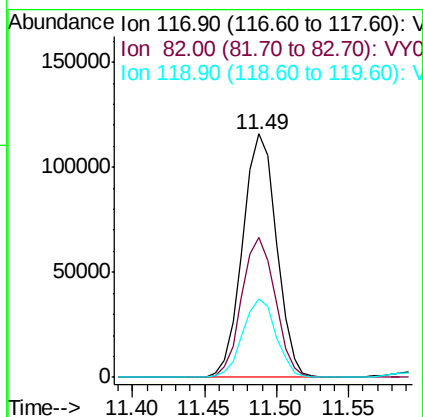
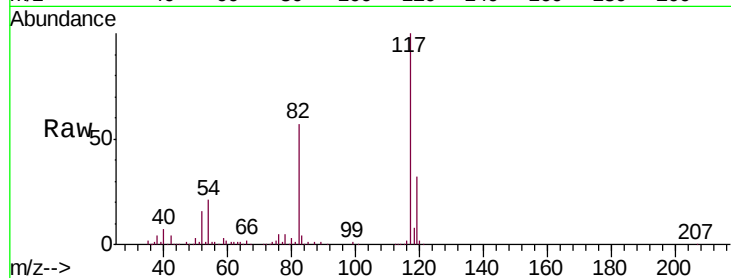




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

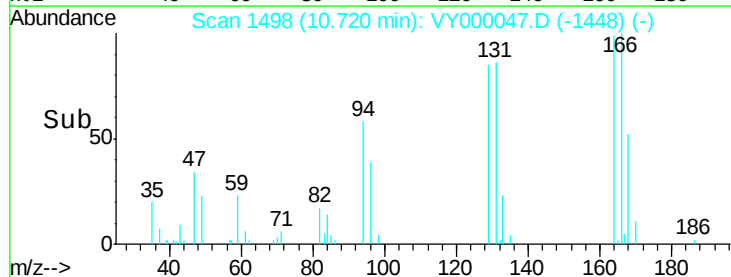
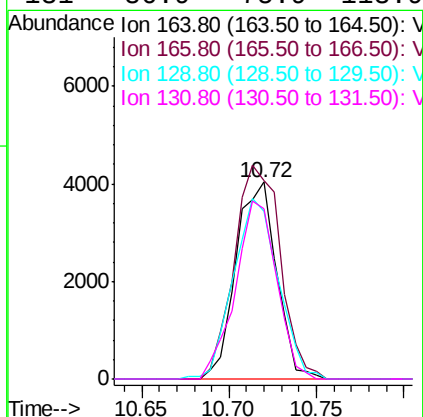
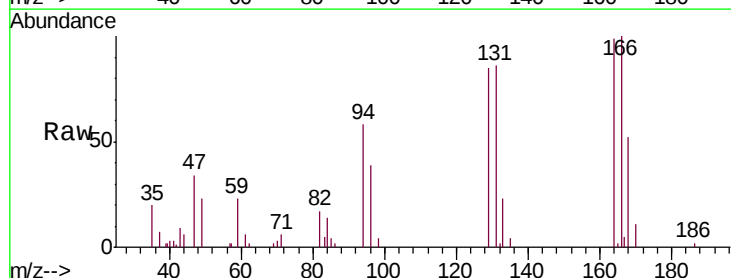
Instrument :
MSVOA_Y
ClientSampled :
MDL2

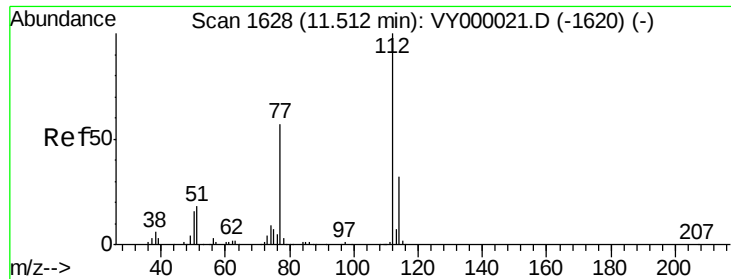
Tgt Ion:117 Resp: 189302
Ion Ratio Lower Upper
117 100
82 57.4 42.5 63.7
119 32.3 25.1 37.7



#64
Tetrachloroethene
Concen: 5.611 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion:164 Resp: 6514
Ion Ratio Lower Upper
164 100
166 100.8 103.4 155.0#
129 85.6 73.4 110.0
131 86.9 75.9 113.9

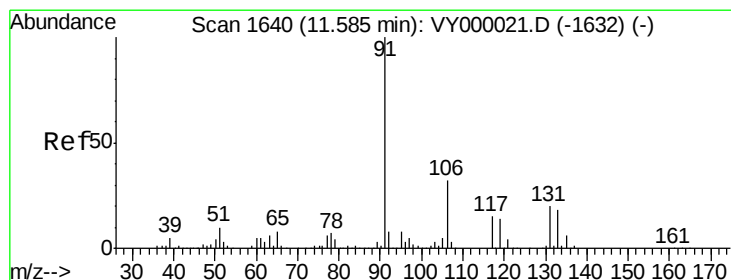
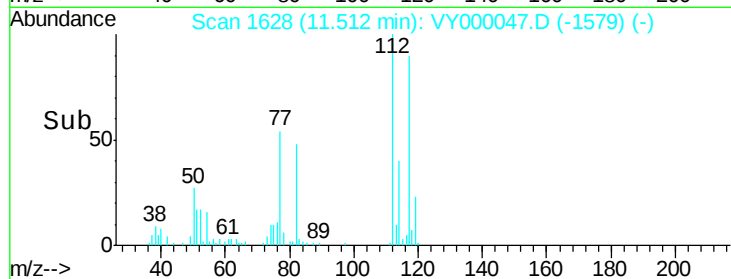
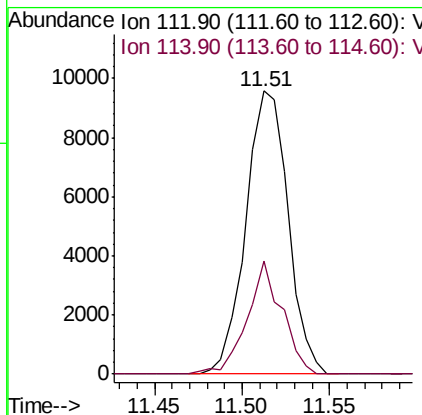
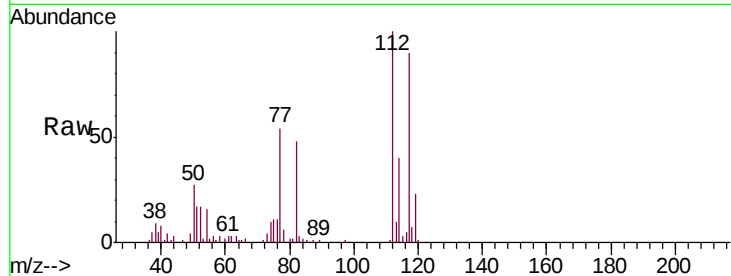




#65
Chlorobenzene
Concen: 4.458 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

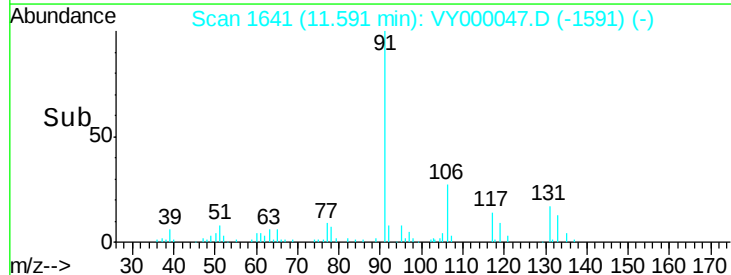
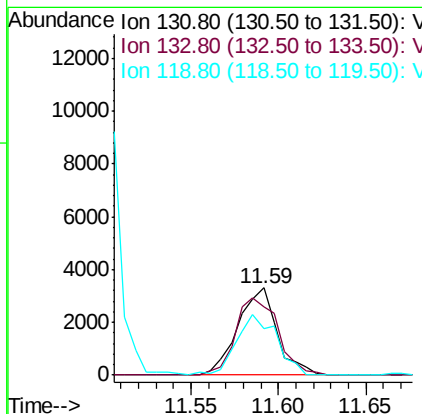
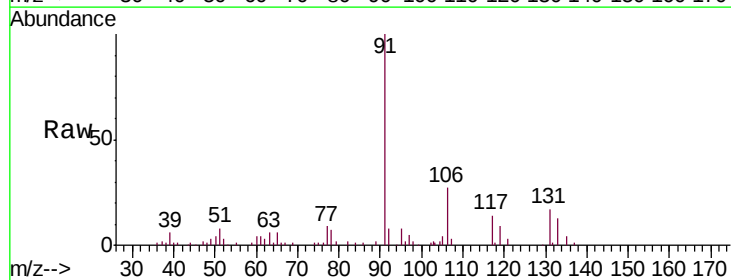
Instrument :
MSVOA_Y
ClientSampled :
MDL2

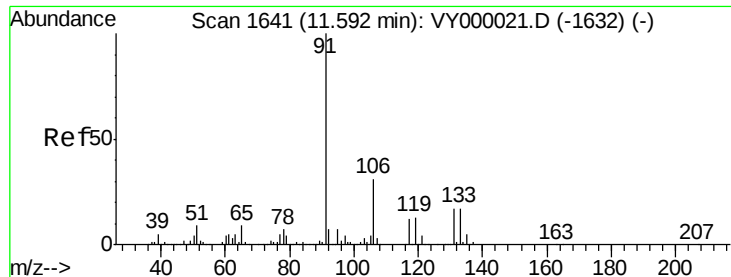
Tgt Ion:112 Resp: 16080
Ion Ratio Lower Upper
112 100
114 40.0 25.4 38.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 4.094 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion:131 Resp: 5117
Ion Ratio Lower Upper
131 100
133 96.7 47.2 141.6
119 71.8 35.4 106.3

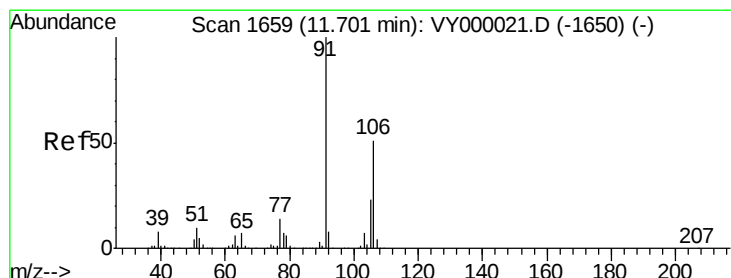
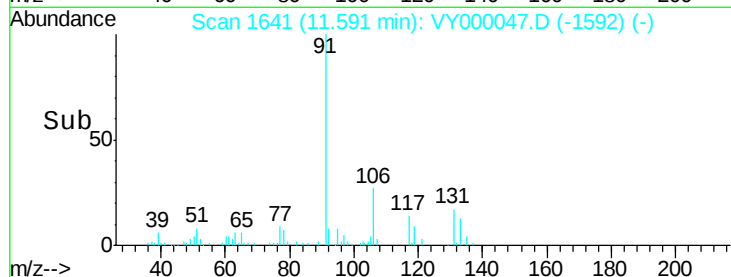
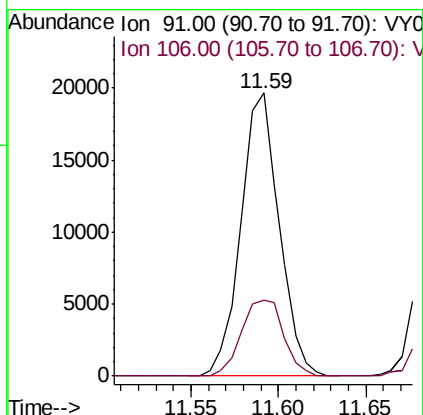
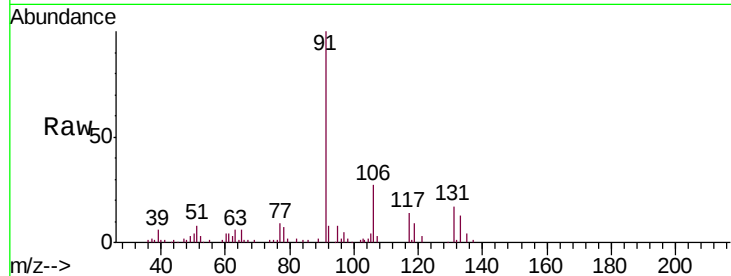




#67
Ethyl Benzene
Concen: 4.551 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

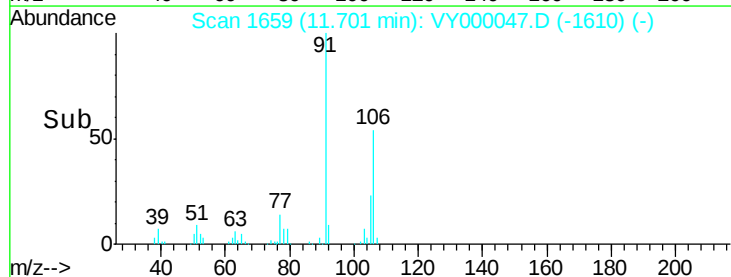
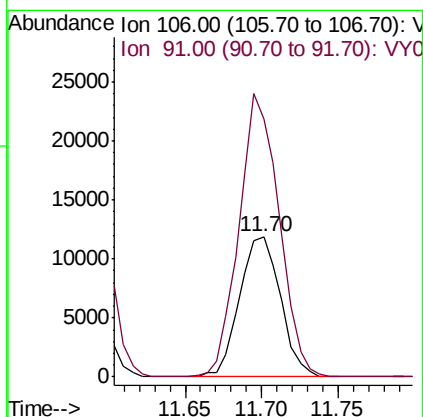
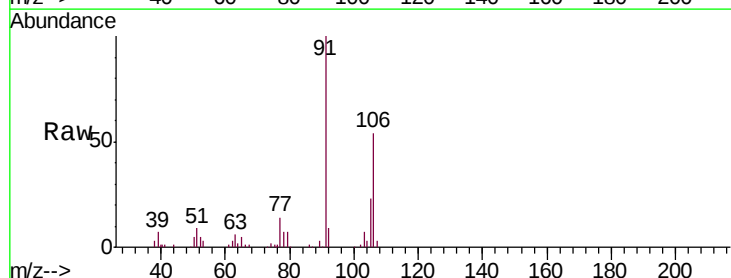
Instrument :
MSVOA_Y
ClientSampled :
MDL2

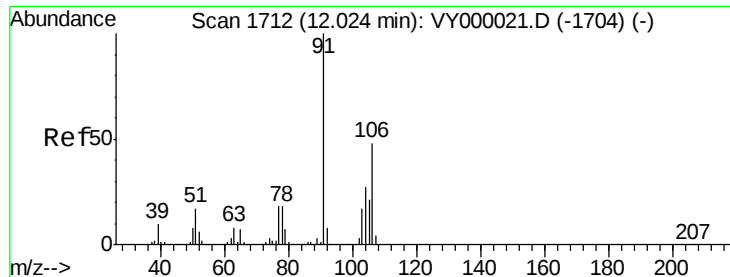
Tgt Ion: 91 Resp: 29820
Ion Ratio Lower Upper
91 100
106 27.0 24.6 37.0



#68
m/p-Xylenes
Concen: 8.916 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 106 Resp: 22049
Ion Ratio Lower Upper
106 100
91 198.0 158.5 237.7

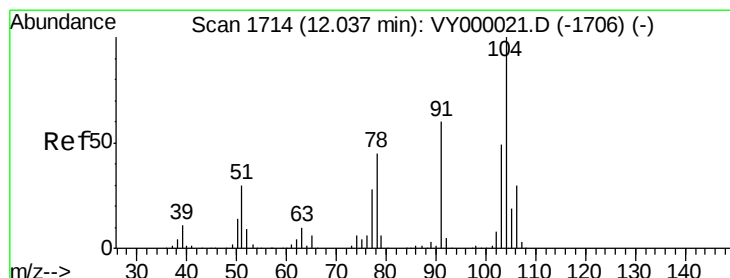
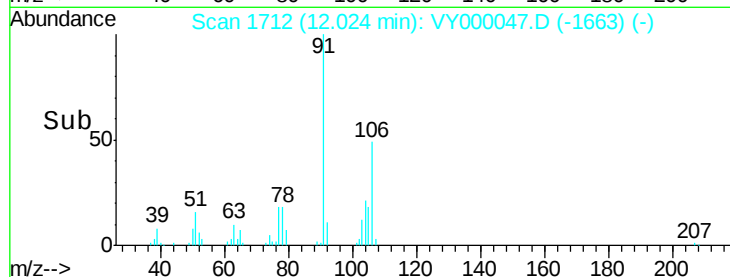
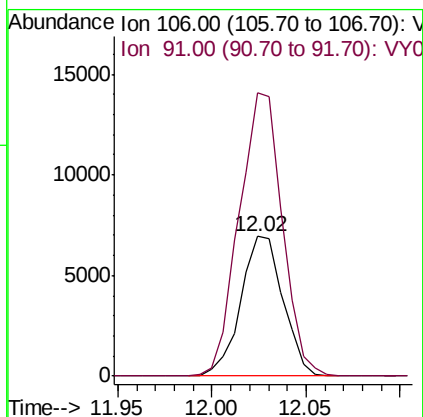
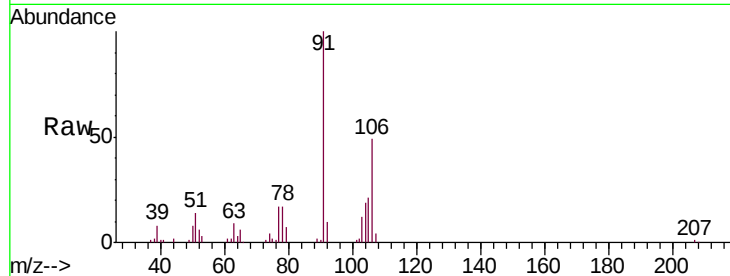




#69
o-Xylene
Concen: 4.467 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

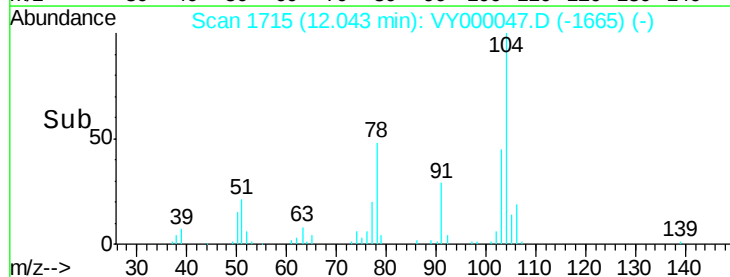
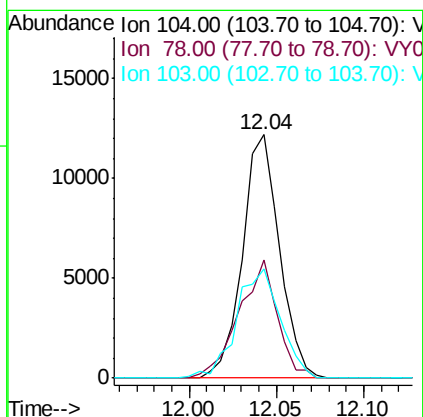
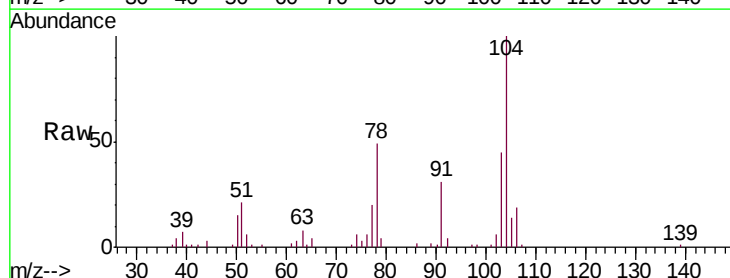
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

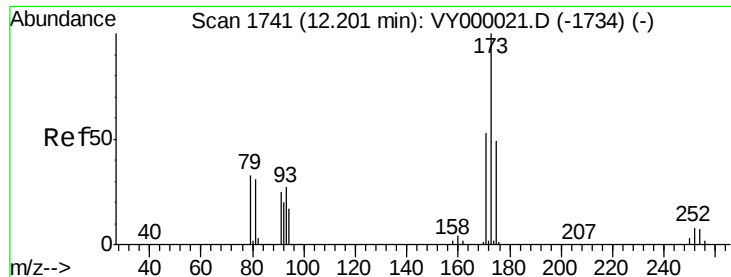
Tgt Ion:106 Resp: 10826
Ion Ratio Lower Upper
106 100
91 206.8 104.0 312.0



#70
Styrene
Concen: 4.242 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion:104 Resp: 17884
Ion Ratio Lower Upper
104 100
78 50.8 38.0 57.0
103 53.4 42.4 63.6





#71

Bromoform

Concen: 3.690 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

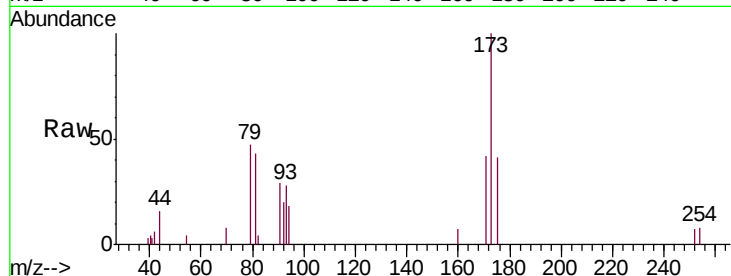
Tgt Ion:173 Resp: 2785

Ion Ratio Lower Upper

173 100

175 53.0 25.1 75.4

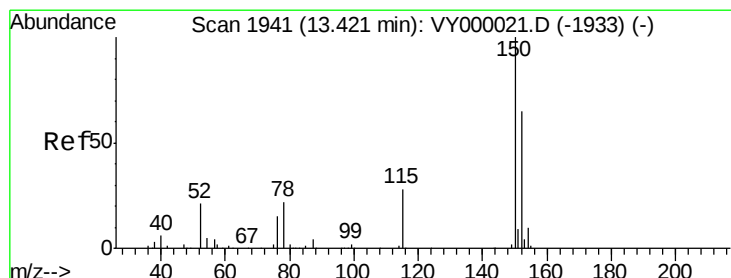
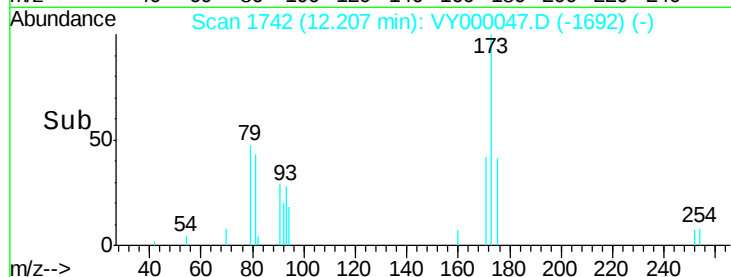
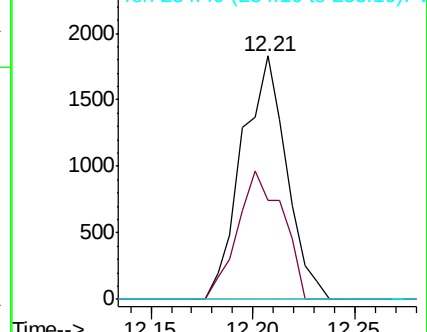
254 0.0 0.0 0.0



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: VY000047.D

Acq: 16 Sep 2019 15:32

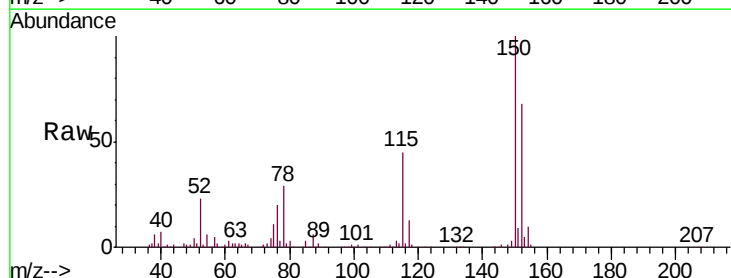
Tgt Ion:152 Resp: 81454

Ion Ratio Lower Upper

152 100

115 65.1 29.4 88.2

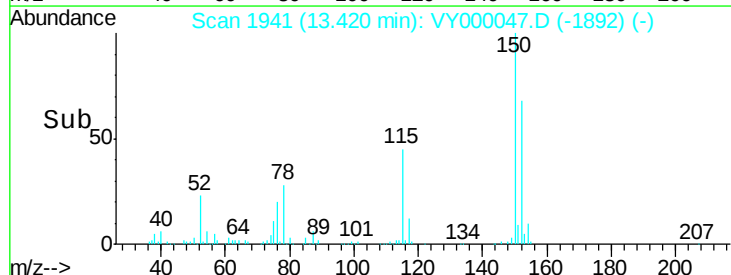
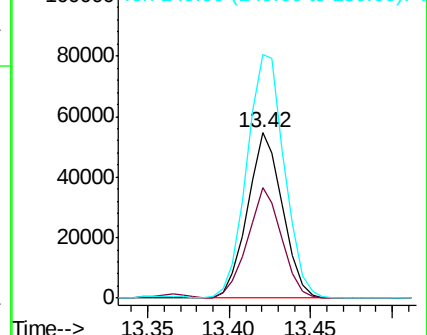
150 158.2 0.0 349.0

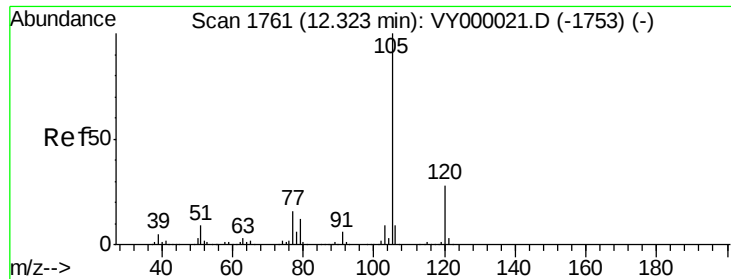


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.522 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

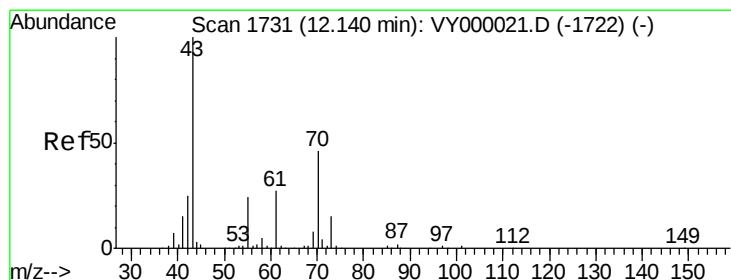
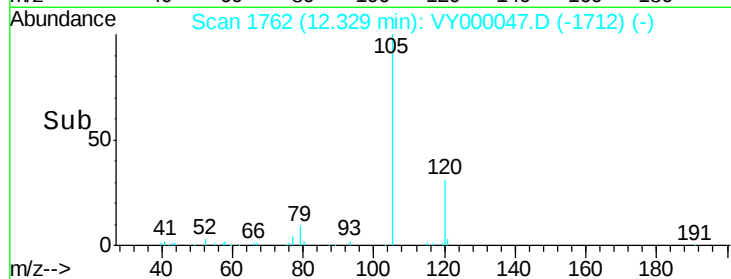
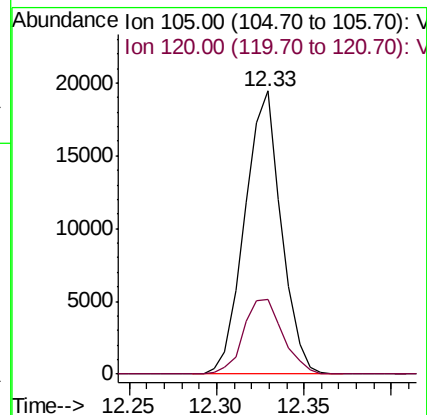
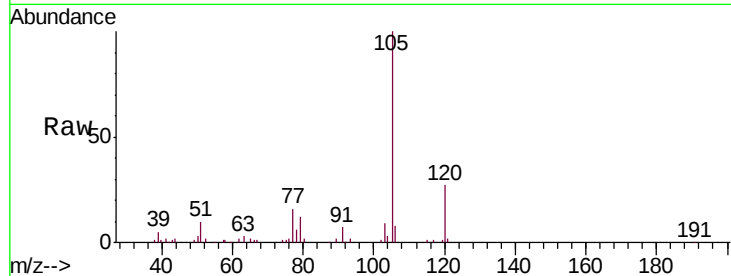
MDL2

Tgt Ion: 105 Resp: 28146

Ion Ratio Lower Upper

105 100

120 28.8 13.9 41.6



#74

N-ethyl acetate

Concen: 3.770 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Tgt Ion: 43 Resp: 6926

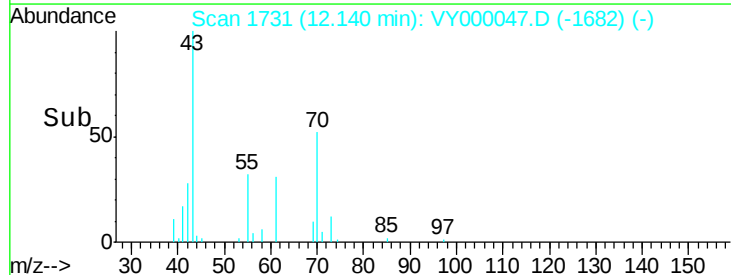
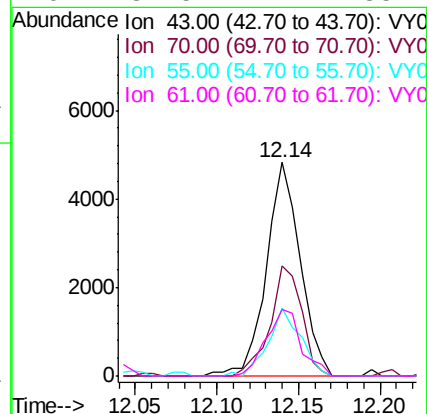
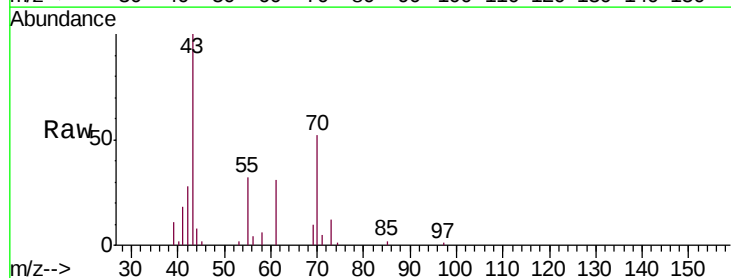
Ion Ratio Lower Upper

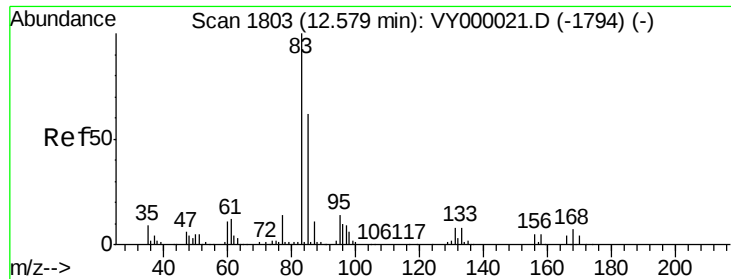
43 100

70 47.6 38.1 57.1

55 30.4 18.7 28.1#

61 32.5 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.880 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

MDL2

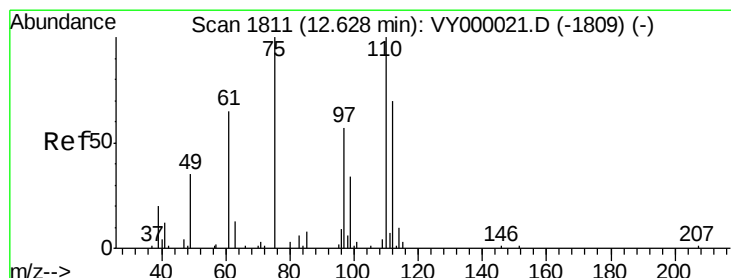
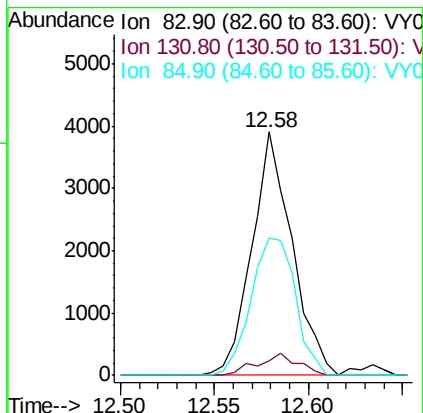
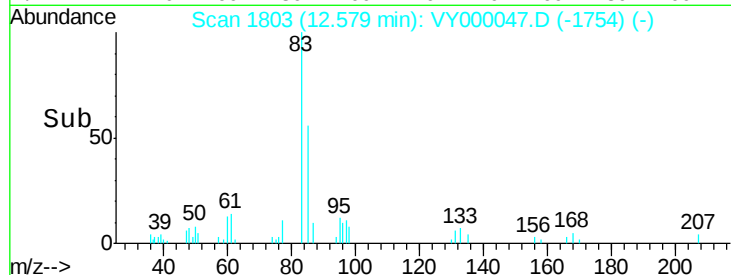
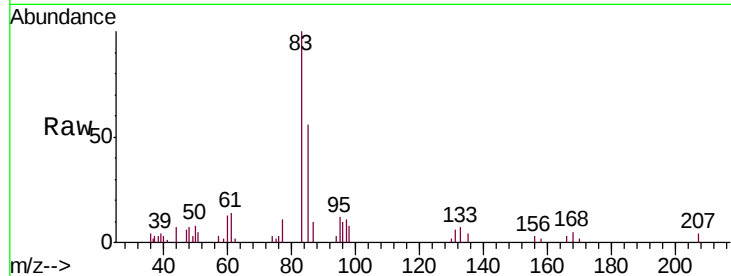
Tgt Ion: 83 Resp: 5773

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

85 62.4 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 7.632 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VY000047.D

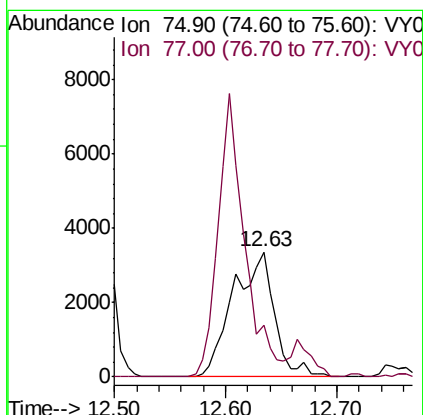
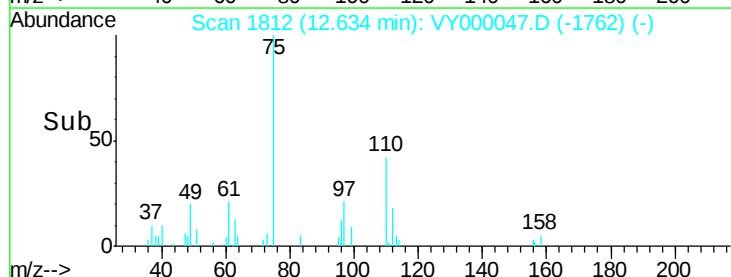
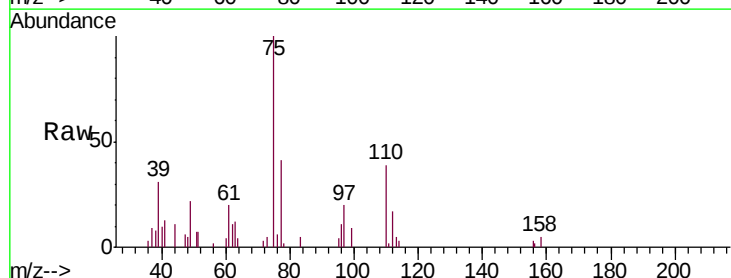
Acq: 16 Sep 2019 15:32

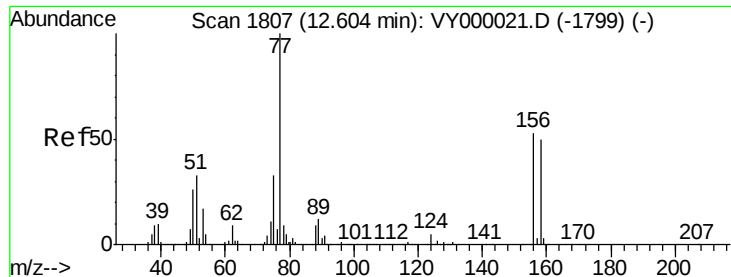
Tgt Ion: 75 Resp: 8634

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.248 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

MDL2

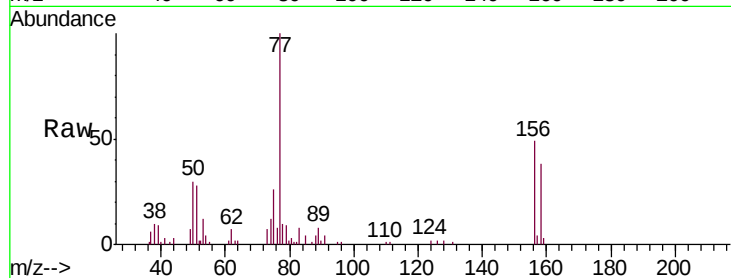
Tgt Ion:156 Resp: 5593

Ion Ratio Lower Upper

156 100

77 227.1 106.0 317.9

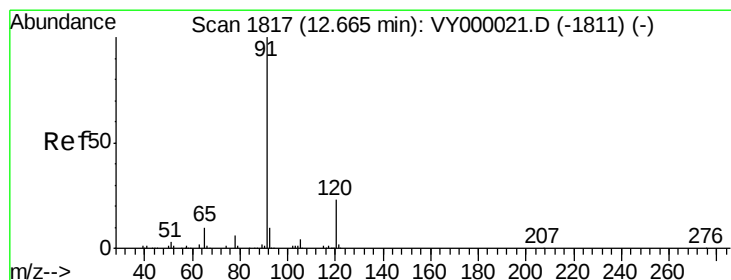
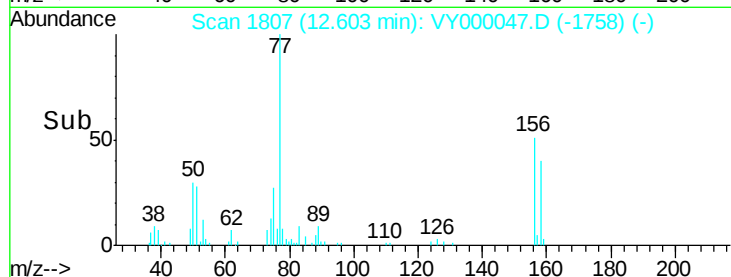
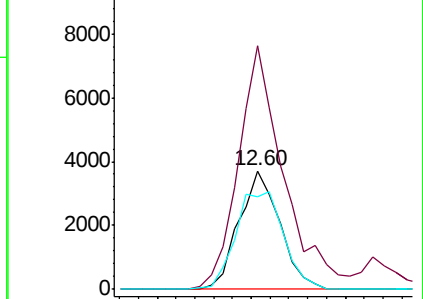
158 96.8 47.3 141.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.383 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY000047.D

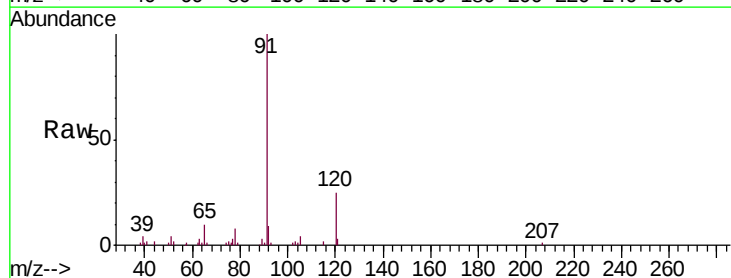
Acq: 16 Sep 2019 15:32

Tgt Ion: 91 Resp: 33336

Ion Ratio Lower Upper

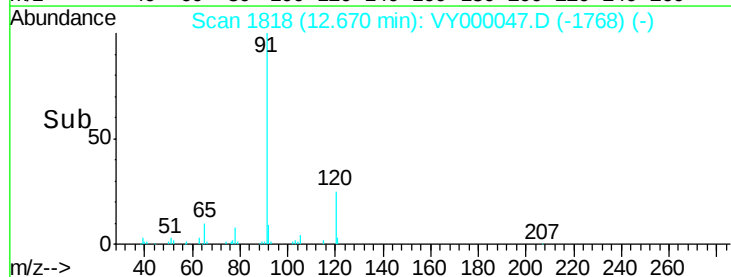
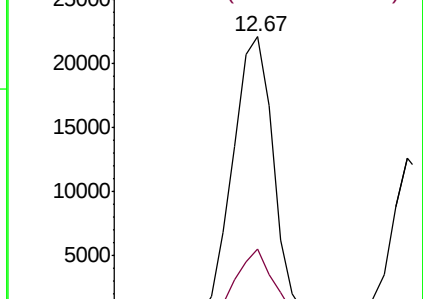
91 100

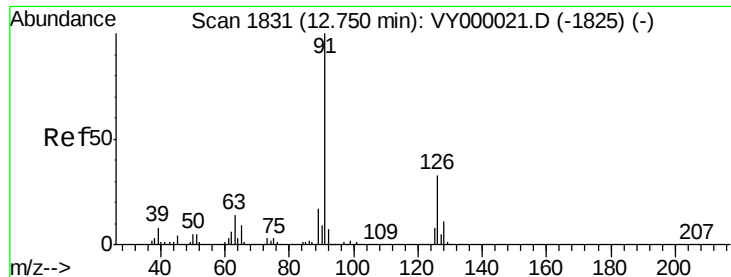
120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.667 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

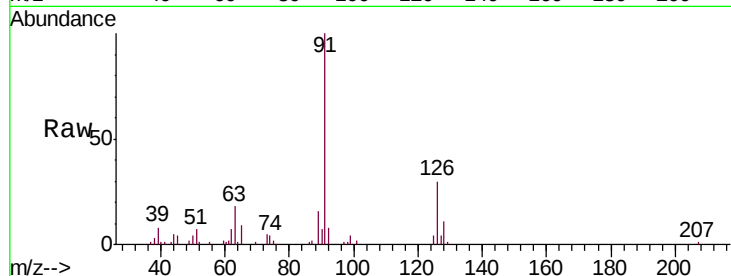
MDL2

Tgt Ion: 91 Resp: 19850

Ion Ratio Lower Upper

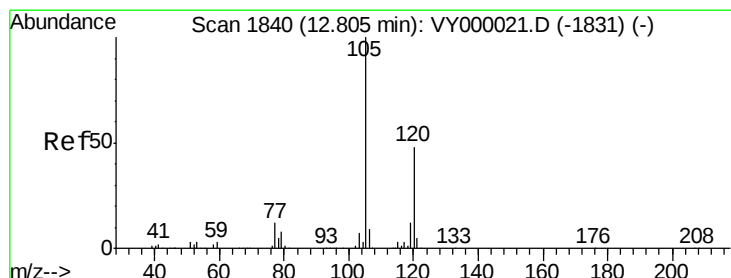
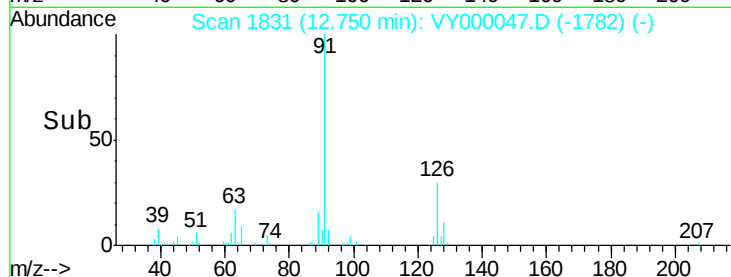
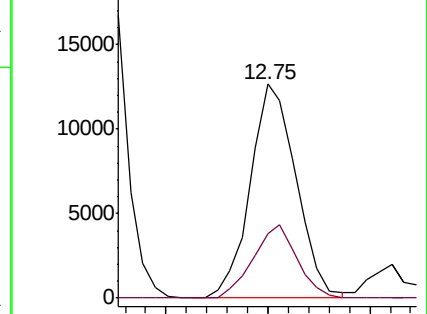
91 100

126 32.6 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VY000047.D (-1782) (-)

Ion 125.90 (125.60 to 126.60): VY000047.D (-1782) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.413 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VY000047.D

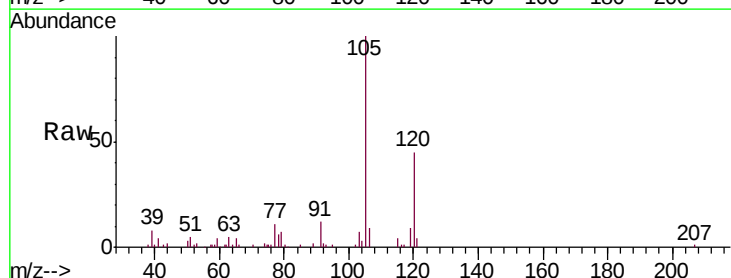
Acq: 16 Sep 2019 15:32

Tgt Ion: 105 Resp: 22934

Ion Ratio Lower Upper

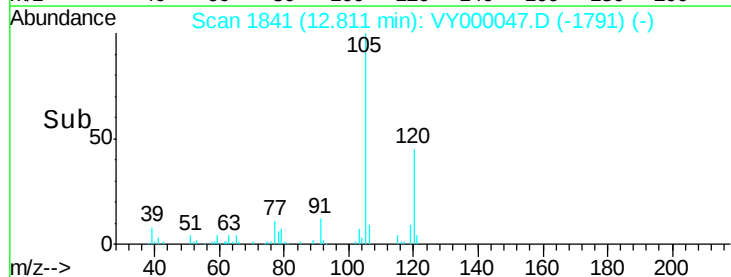
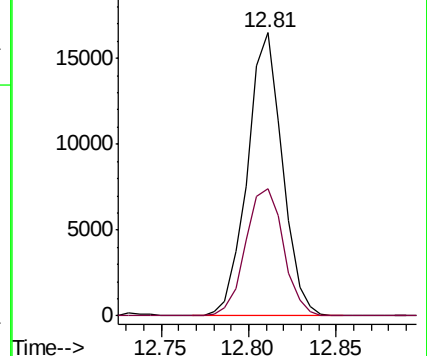
105 100

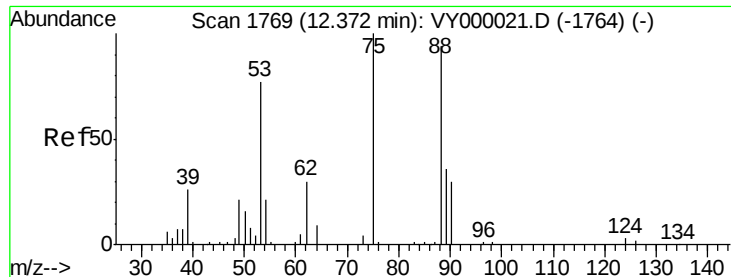
120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000047.D (-1791) (-)

Ion 120.00 (119.70 to 120.70): VY000047.D (-1791) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.525 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

MDL2

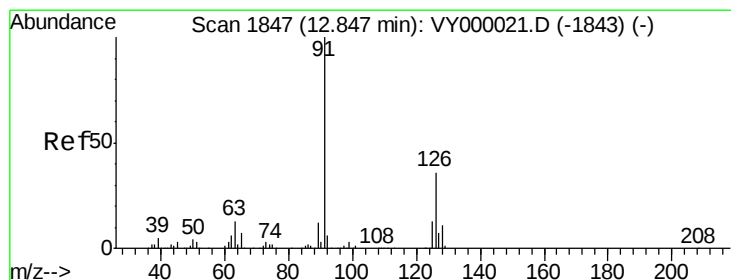
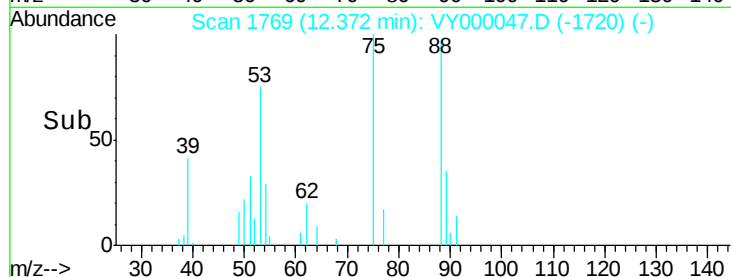
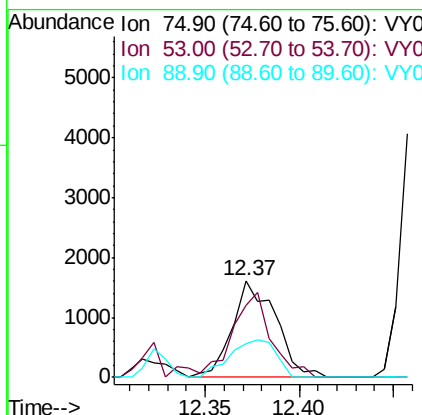
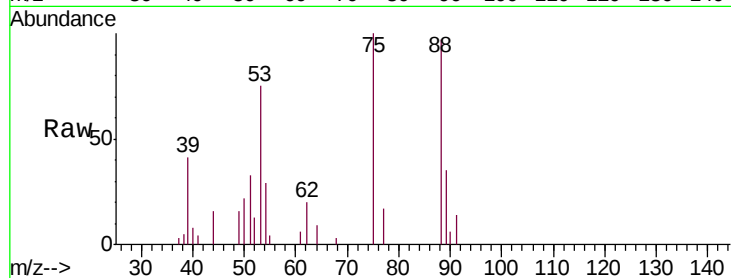
Tgt Ion: 75 Resp: 2581

Ion Ratio Lower Upper

75 100

53 77.9 64.2 96.2

89 41.4 35.5 53.3



#82

4-Chlorotoluene

Concen: 4.333 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000047.D

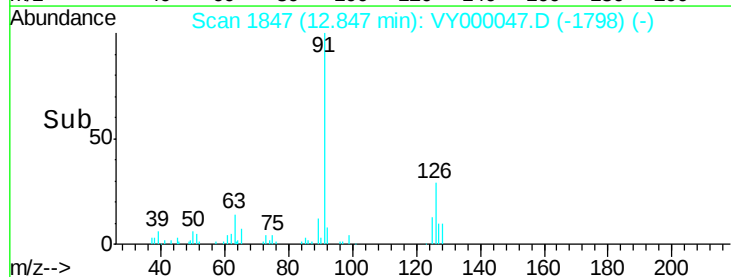
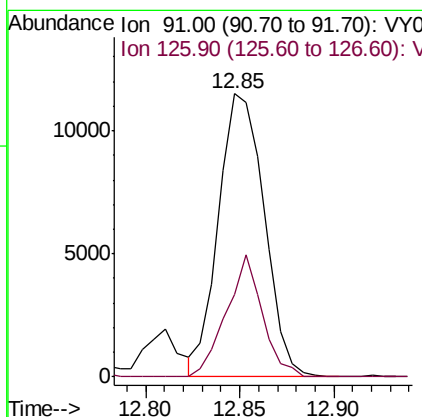
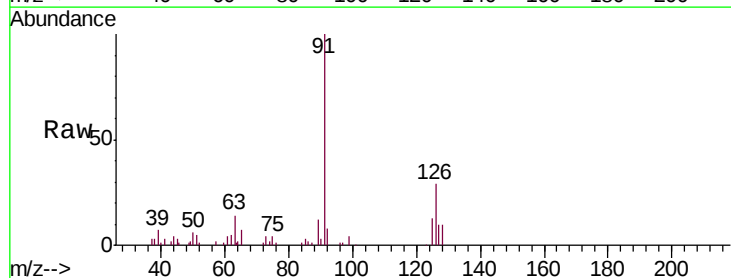
Acq: 16 Sep 2019 15:32

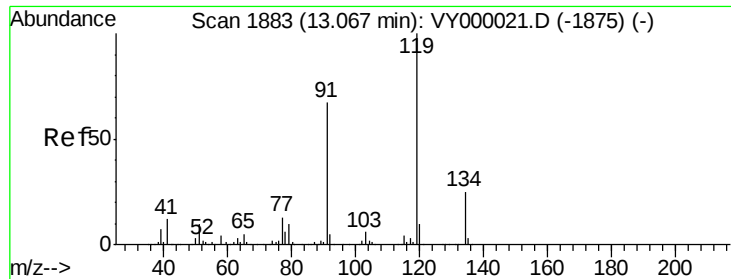
Tgt Ion: 91 Resp: 19341

Ion Ratio Lower Upper

91 100

126 33.8 17.2 51.5

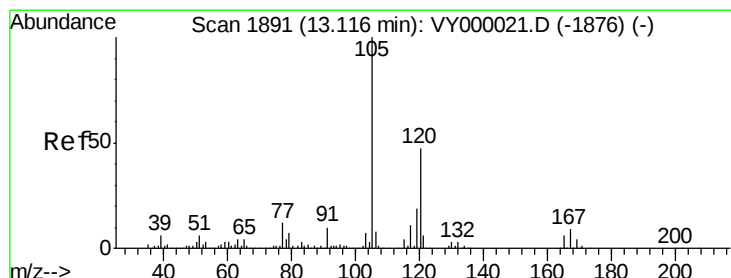
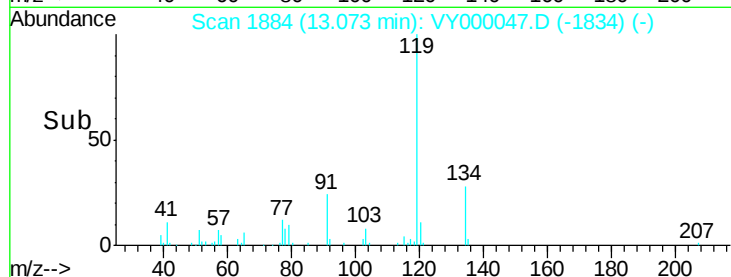
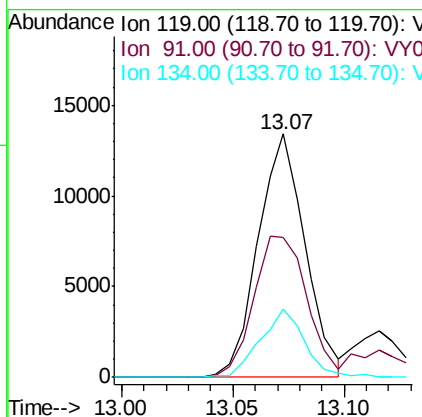
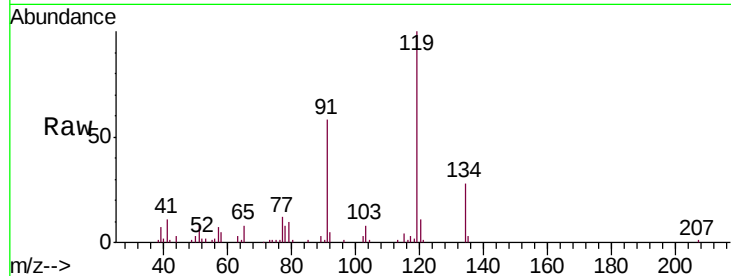




#83
 tert-Butylbenzene
 Concen: 4.401 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

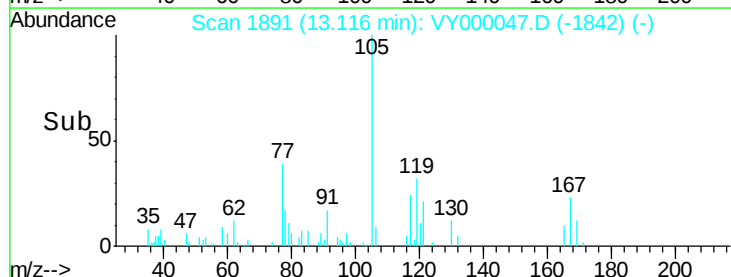
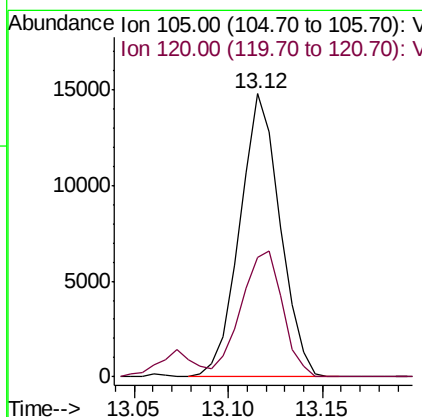
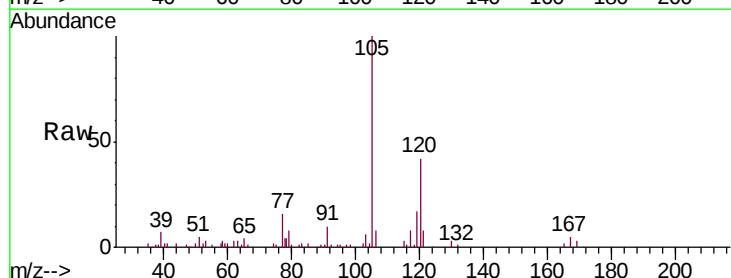
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

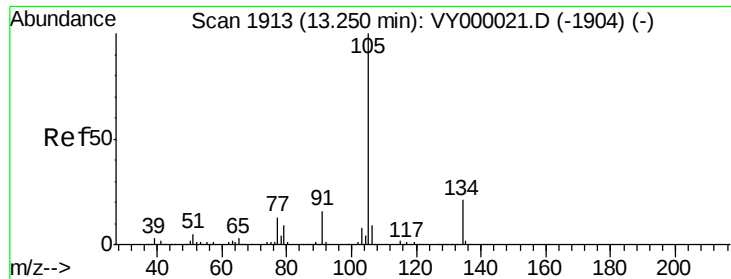
Tgt Ion:	119	Resp:	19651
Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.1	99.5
134	26.7	13.5	40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 4.270 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion:	105	Resp:	21919
Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.3

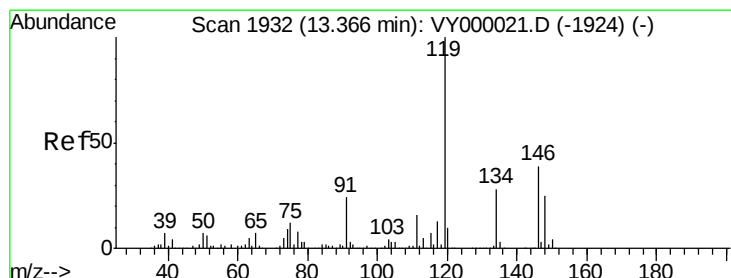
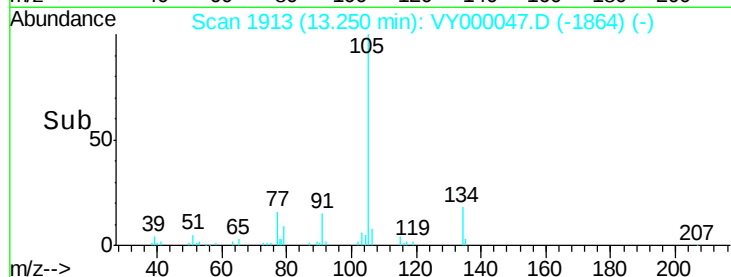
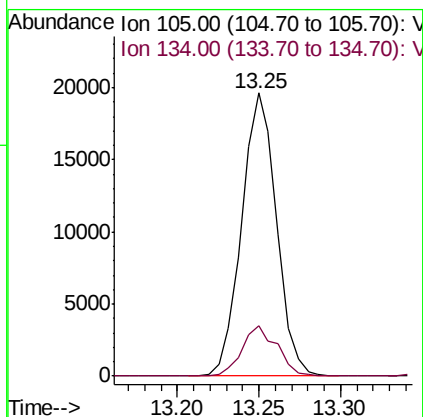
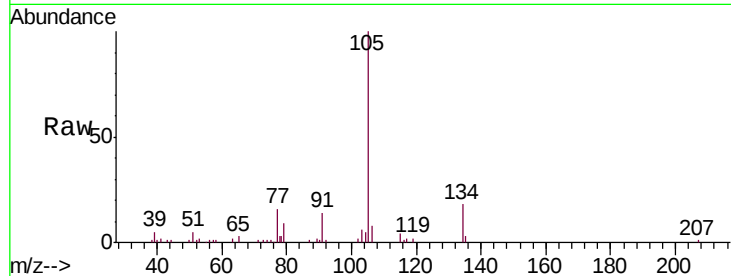




#85
 sec-Butylbenzene
 Concen: 4.423 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

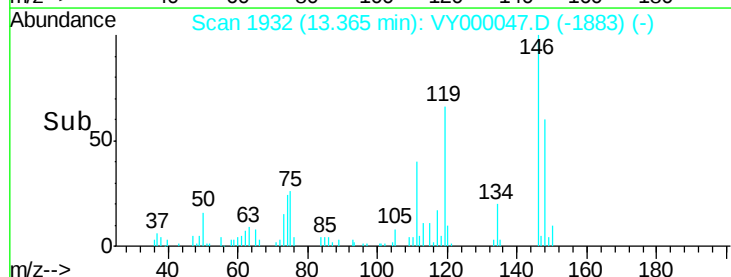
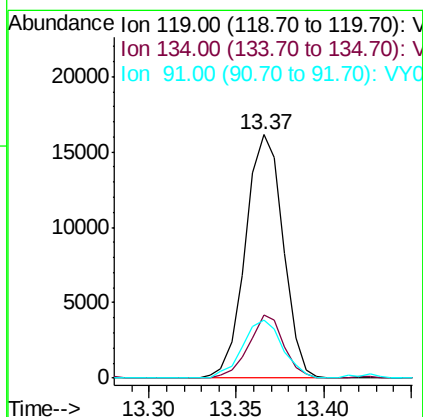
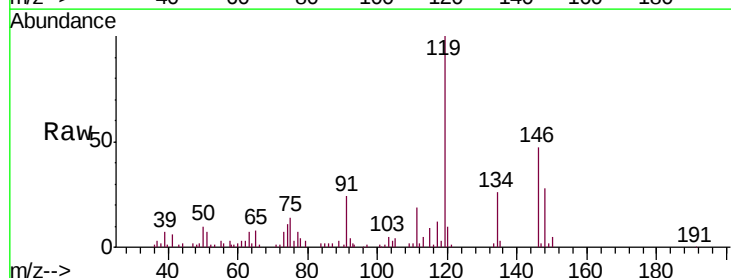
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

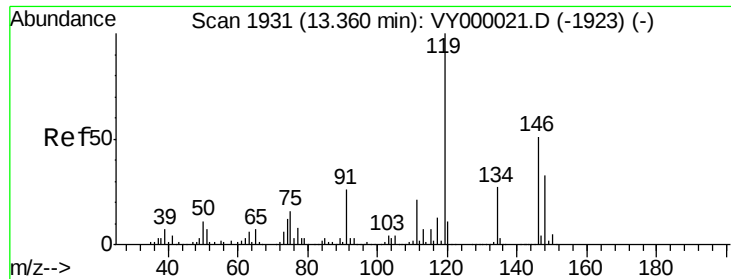
Tgt Ion:105 Resp: 29143
 Ion Ratio Lower Upper
 105 100
 134 17.7 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 4.317 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion:119 Resp: 24130
 Ion Ratio Lower Upper
 119 100
 134 24.1 13.8 41.3
 91 25.2 12.4 37.2

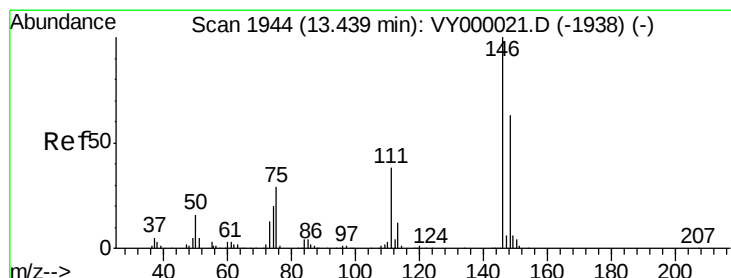
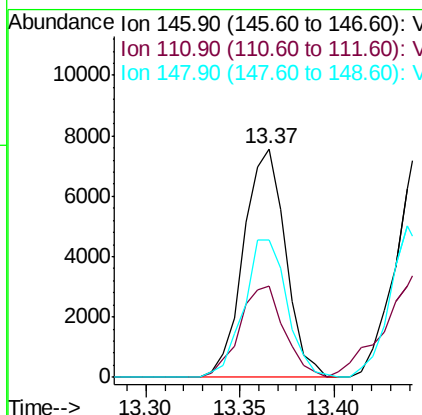
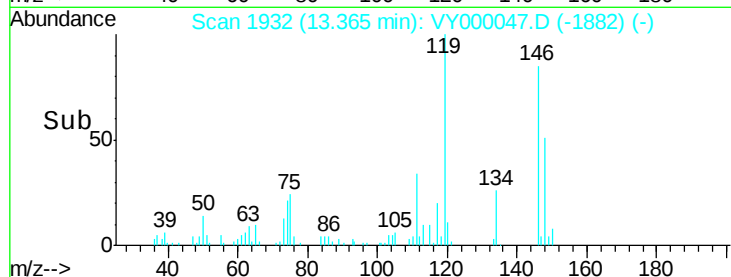
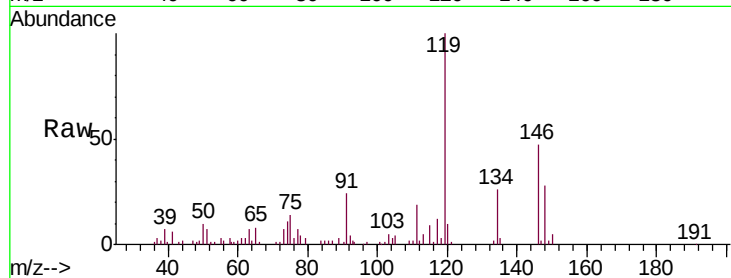




#87
 1,3-Dichlorobenzene
 Concen: 4.399 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

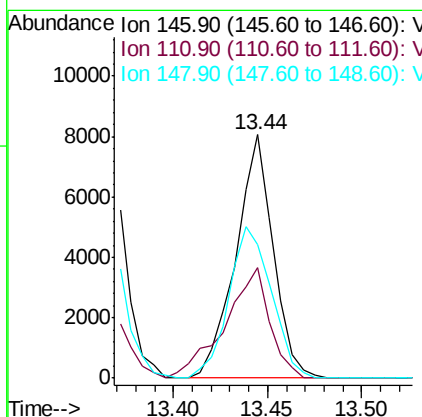
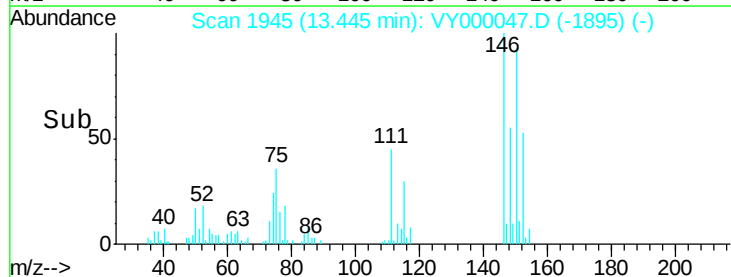
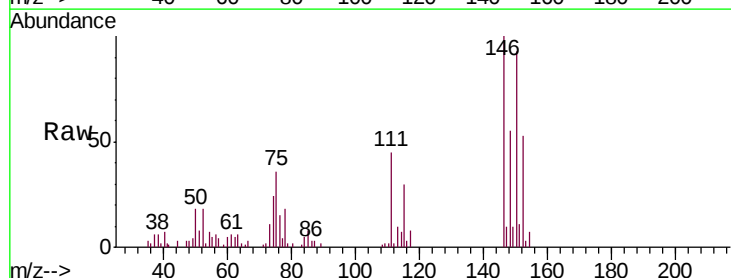
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

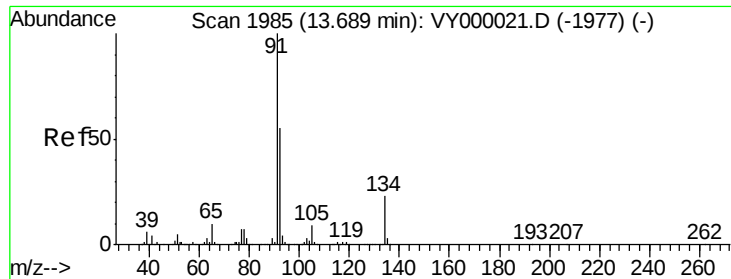
Tgt Ion:146 Resp: 11657
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.2 63.6
 148 62.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 4.164 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion:146 Resp: 11103
 Ion Ratio Lower Upper
 146 100
 111 54.0 20.3 60.9
 148 70.8 31.7 95.1

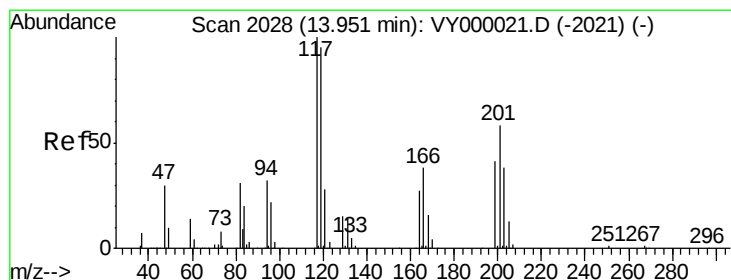
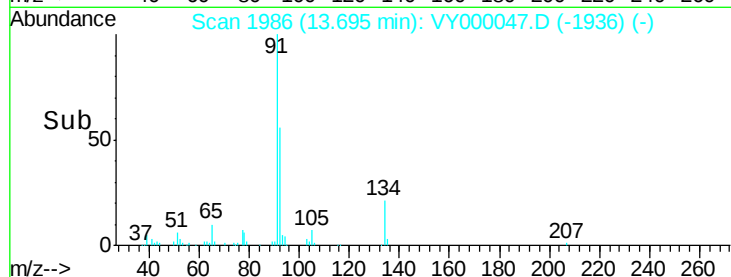
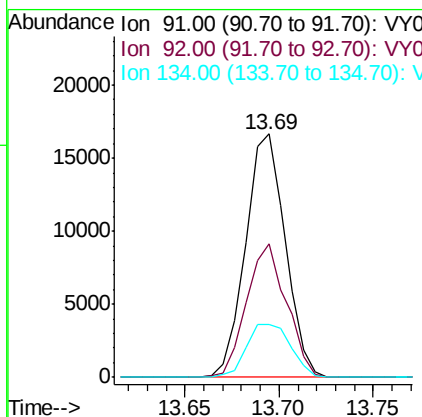
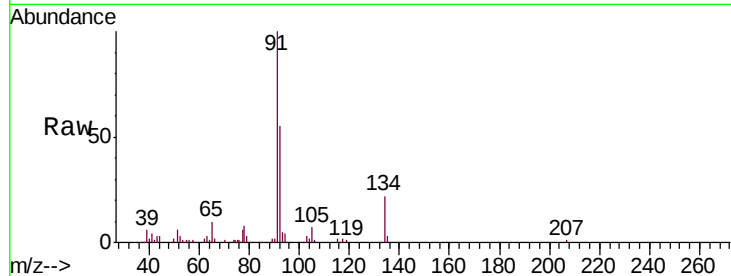




#89
n-Butylbenzene
Concen: 4.292 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

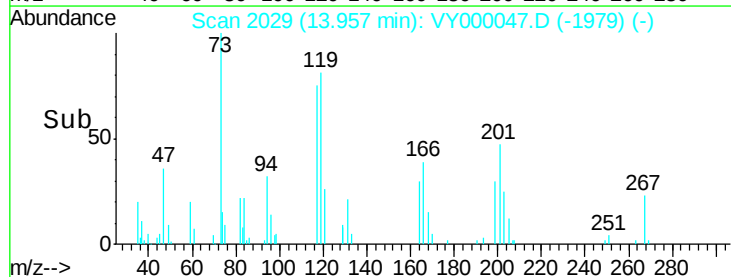
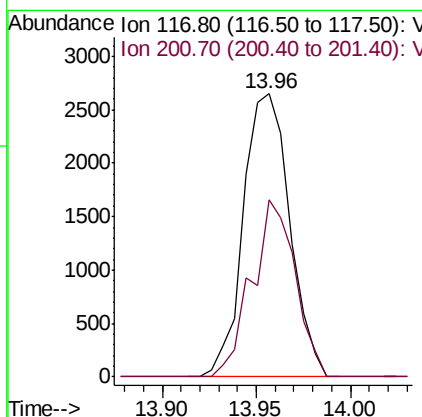
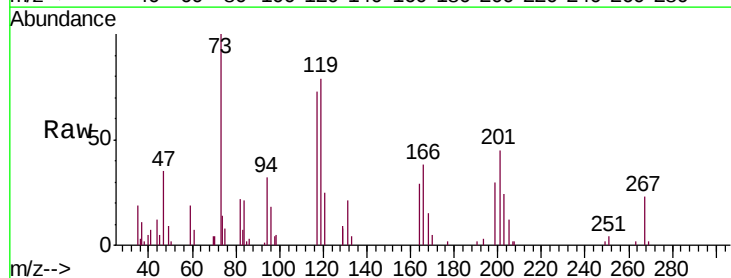
Instrument :
MSVOA_Y
ClientSampled :
MDL2

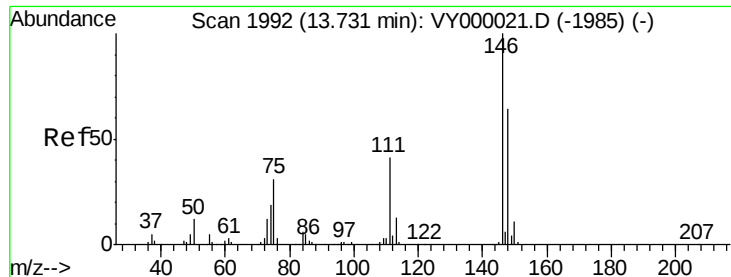
Tgt Ion: 91 Resp: 24312
Ion Ratio Lower Upper
91 100
92 55.2 27.2 81.6
134 24.4 12.6 37.6



#90
Hexachloroethane
Concen: 4.050 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VY000047.D
Acq: 16 Sep 2019 15:32

Tgt Ion: 117 Resp: 4524
Ion Ratio Lower Upper
117 100
201 58.4 31.4 94.0

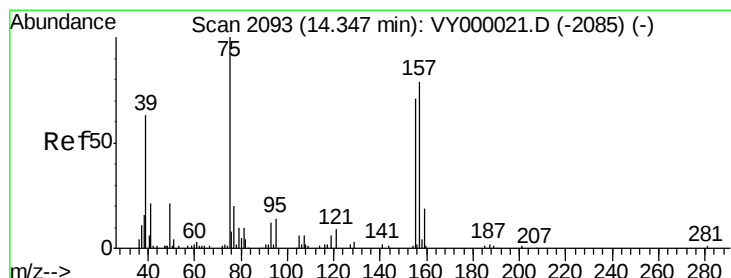
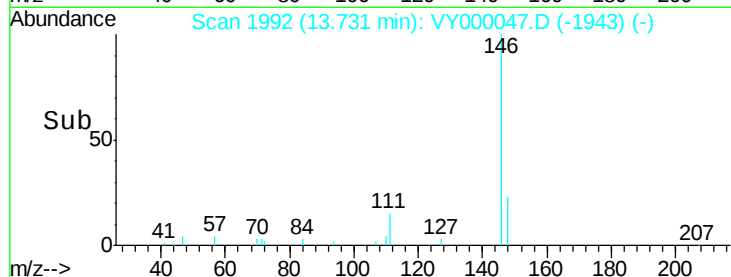
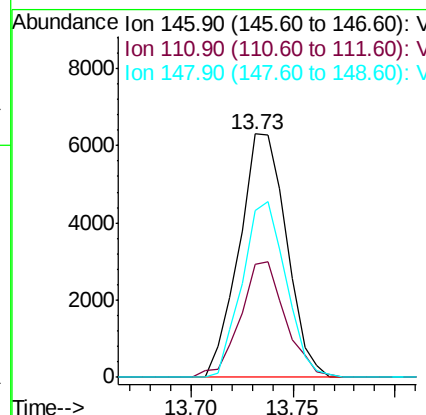
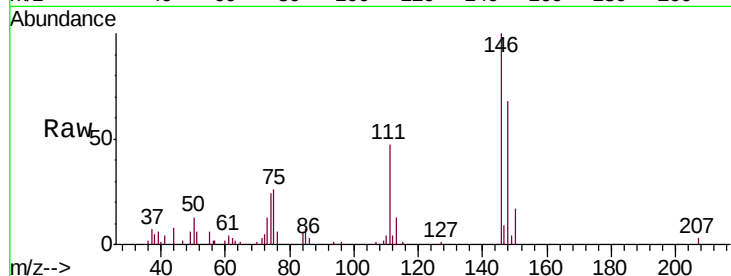




#91
 1,2-Dichlorobenzene
 Concen: 4.120 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

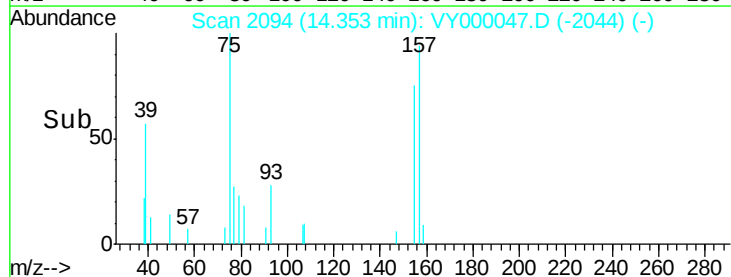
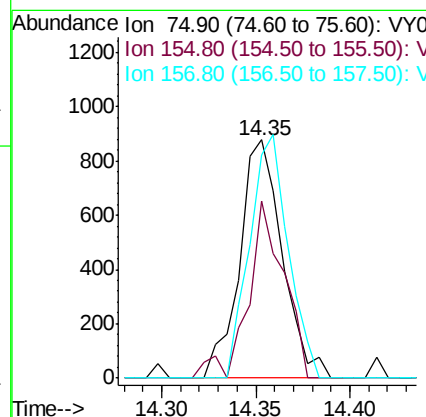
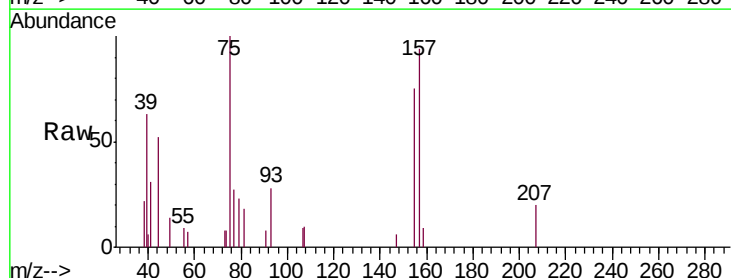
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

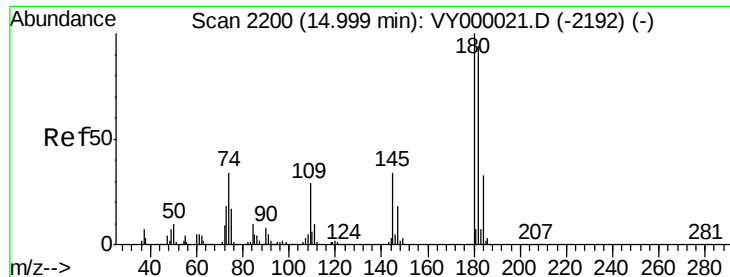
Tgt Ion:146 Resp: 10159
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.0 63.0
 148 66.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.014 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion: 75 Resp: 1376
 Ion Ratio Lower Upper
 75 100
 155 62.4 41.8 125.3
 157 92.5 51.3 153.9

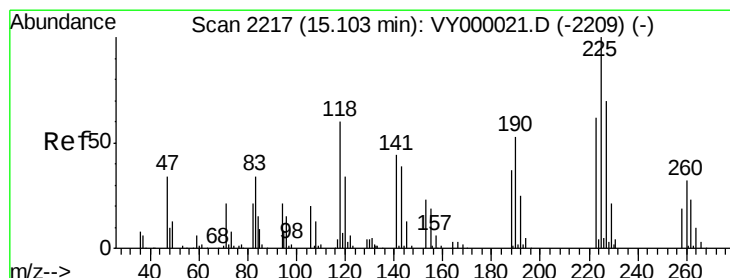
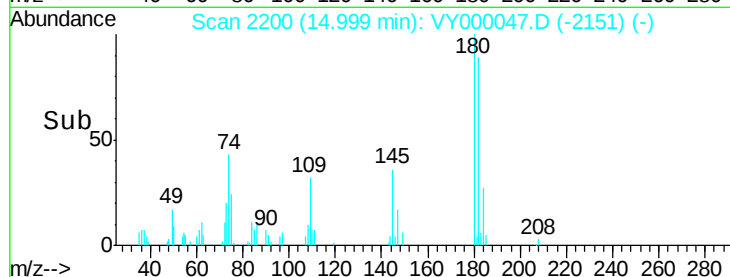
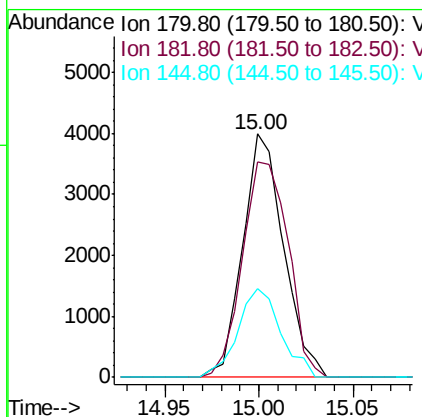
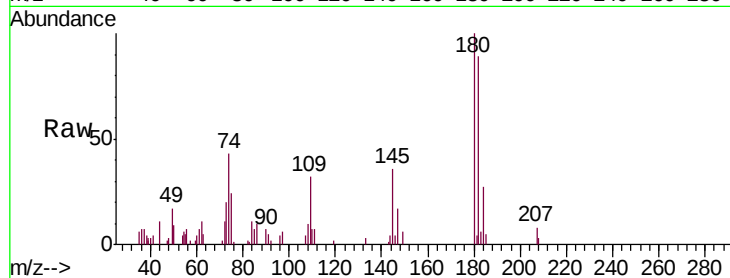




#93
 1,2,4-Trichlorobenzene
 Concen: 3.825 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

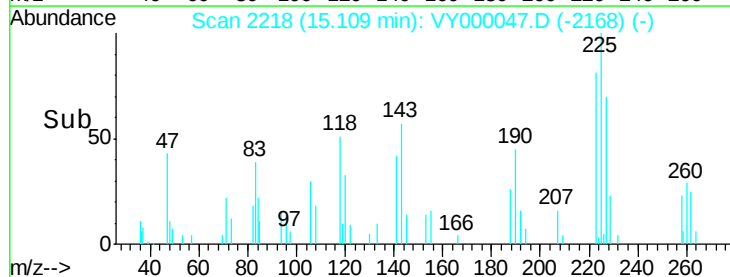
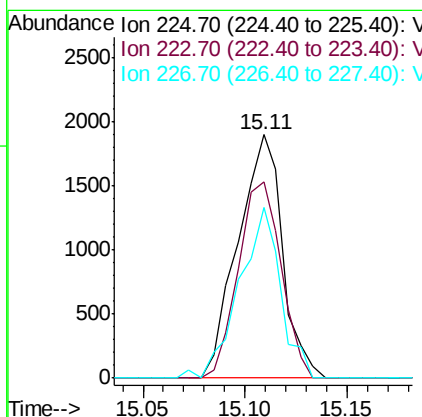
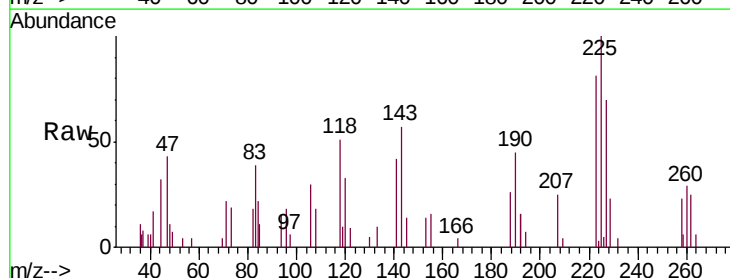
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

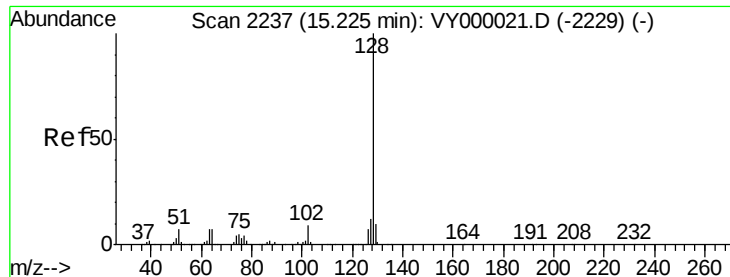
Tgt Ion:180 Resp: 6019
 Ion Ratio Lower Upper
 180 100
 182 99.2 47.0 141.0
 145 38.1 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 3.995 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000047.D
 Acq: 16 Sep 2019 15:32

Tgt Ion:225 Resp: 2883
 Ion Ratio Lower Upper
 225 100
 223 77.5 30.9 92.7
 227 65.0 31.0 93.0





#95

Naphthalene

Concen: 4.008 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

MDL2

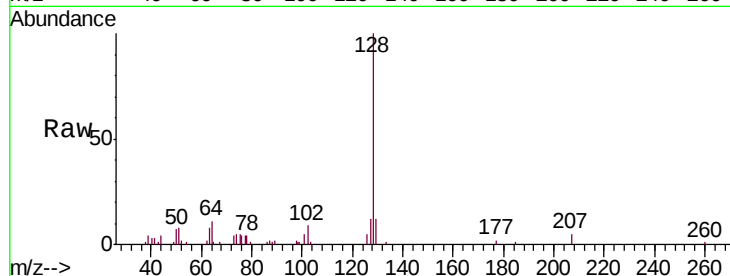
Tgt Ion:128 Resp: 17251

Ion Ratio Lower Upper

128 100

127 11.4 9.8 14.8

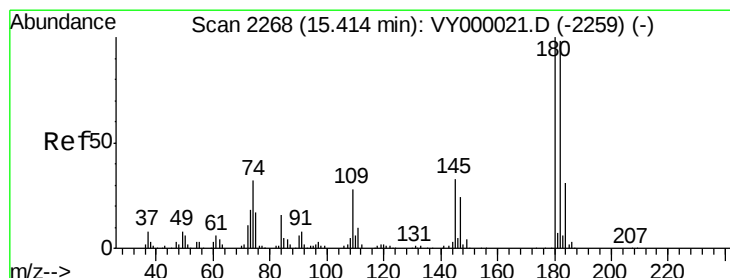
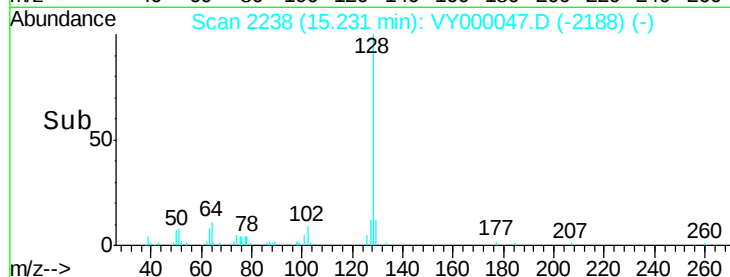
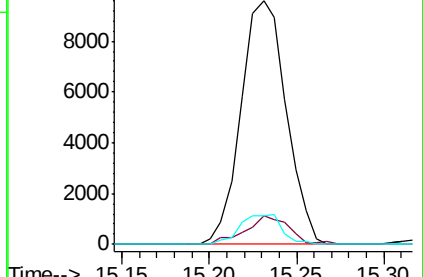
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.115 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. 0.01 min

Lab File: VY000047.D

Acq: 16 Sep 2019 15:32

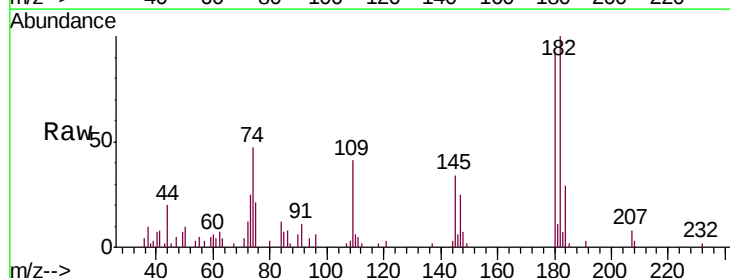
Tgt Ion:180 Resp: 5813

Ion Ratio Lower Upper

180 100

182 105.0 46.8 140.4

145 31.6 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

