

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012120\
 Data File : VY001322.D
 Acq On : 21 Jan 2020 15:25
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 21 16:25:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141283	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	39734	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
35) Dibromofluoromethane	7.74	113	40858	20.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.50%	
50) Toluene-d8	10.19	98	140924	18.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.20%	
62) 4-Bromofluorobenzene	12.49	95	63139	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	32695	22.00	ug/l	93
3) Chloromethane	2.13	50	47407	21.97	ug/l	96
4) Vinyl Chloride	2.26	62	48727	22.37	ug/l	98
5) Bromomethane	2.65	94	32484	26.93	ug/l	97
6) Chloroethane	2.80	64	31426	24.50	ug/l	98
7) Trichlorofluoromethane	3.15	101	63328	21.07	ug/l	97
8) Diethyl Ether	3.55	74	25818	21.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	39599	20.53	ug/l	99
10) Methyl Iodide	4.11	142	52824	20.00	ug/l	99
11) Tert butyl alcohol	4.99	59	30694	142.47	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	41384	20.94	ug/l	96
13) Acrolein	3.75	56	19818	111.39	ug/l	97
14) Allyl chloride	4.51	41	72485	21.53	ug/l	99
15) Acrylonitrile	5.20	53	63848	107.51	ug/l	100
16) Acetone	3.97	43	54424	110.60	ug/l	96
17) Carbon Disulfide	4.22	76	133065	20.96	ug/l	97
18) Methyl Acetate	4.51	43	32813	20.65	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	118415	21.48	ug/l	100
20) Methylene Chloride	4.75	84	59918	22.36	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	48510	21.61	ug/l	92
22) Diisopropyl ether	6.15	45	150481	21.80	ug/l	99
23) Vinyl Acetate	6.10	43	491445	110.91	ug/l	99
24) 1,1-Dichloroethane	6.05	63	82764	21.99	ug/l	98
25) 2-Butanone	7.02	43	85982	112.98	ug/l	98
26) 2,2-Dichloropropane	7.02	77	71677	20.85	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	53691	21.76	ug/l	99
28) Bromochloromethane	7.36	49	29466	19.21	ug/l	98
29) Tetrahydrofuran	7.38	42	55904	108.25	ug/l	99
30) Chloroform	7.53	83	79607	21.69	ug/l	98
31) Cyclohexane	7.81	56	80571	20.47	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	66173	20.41	ug/l	99
36) 1,1-Dichloropropene	7.94	75	64620	21.02	ug/l	99
37) Ethyl Acetate	7.11	43	38829	21.27	ug/l	99
38) Carbon Tetrachloride	7.92	117	57399	20.44	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	82860	20.02	ug/l	98
40) Benzene	8.18	78	195107	21.62	ug/l	100
41) Methacrylonitrile	7.38	41	52751	61.29	ug/l #	100
42) 1,2-Dichloroethane	8.26	62	53691	21.26	ug/l	100
43) Isopropyl Acetate	8.30	43	74252	21.20	ug/l	99
44) Trichloroethene	8.96	130	50870	21.80	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47842	21.32	ug/l	98
46) Dibromomethane	9.32	93	26025	21.39	ug/l	97
47) Bromodichloromethane	9.51	83	61768	20.88	ug/l	96
48) Methyl methacrylate	9.31	41	33538	20.83	ug/l	99
49) 1,4-Dioxane	9.31	88	6895	458.86	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	188421	105.95	ug/l	100
52) Toluene	10.25	92	122192	21.29	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	67586	20.40	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78637	21.03	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	37823	20.90	ug/l	97
56) Ethyl methacrylate	10.52	69	56003	20.29	ug/l	98
57) 1,3-Dichloropropane	10.80	76	66331	21.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	100186	104.40	ug/l	99
59) 2-Hexanone	10.85	43	129470	103.82	ug/l	100
60) Dibromochloromethane	11.00	129	42544	20.59	ug/l	100
61) 1,2-Dibromoethane	11.10	107	35439	20.16	ug/l	98
64) Tetrachloroethene	10.73	164	38313	20.40	ug/l	99
65) Chlorobenzene	11.52	112	125444	21.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	42887	21.10	ug/l	98
67) Ethyl Benzene	11.60	91	235408	21.78	ug/l	96
68) m/p-Xylenes	11.71	106	175458	43.16	ug/l	99
69) o-Xylene	12.04	106	83530	21.37	ug/l	98
70) Styrene	12.05	104	145802	21.28	ug/l	99
71) Bromoform	12.22	173	25200	20.25	ug/l #	100
73) Isopropylbenzene	12.34	105	221573	20.73	ug/l	100
74) N-amyl acetate	12.15	43	70255	20.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	45797	20.21	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	59928	38.36	ug/l #	100
77) Bromobenzene	12.62	156	49386	20.90	ug/l	98
78) n-propylbenzene	12.68	91	269059	20.91	ug/l	100
79) 2-Chlorotoluene	12.77	91	152216	20.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	185494	20.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	17234	19.29	ug/l	98
82) 4-Chlorotoluene	12.86	91	161235	20.49	ug/l	99
83) tert-Butylbenzene	13.08	119	157193	20.94	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	186570	21.07	ug/l	99
85) sec-Butylbenzene	13.26	105	223780	20.73	ug/l	98
86) p-Isopropyltoluene	13.38	119	201142	21.49	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	96913	21.60	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	97341	21.16	ug/l	99
89) n-Butylbenzene	13.70	91	200820	21.33	ug/l	98
90) Hexachloroethane	13.97	117	38164	20.91	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	88444	21.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7890	19.56	ug/l	97

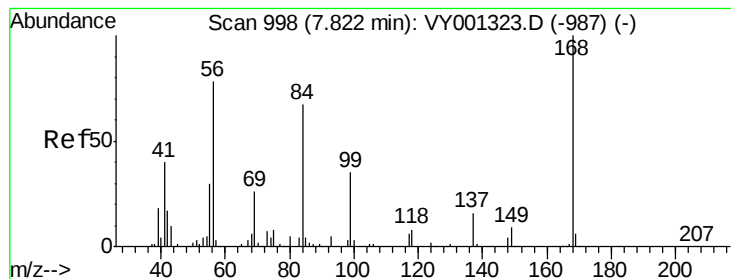
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012120\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59403	21.71	ug/l	99
94) Hexachlorobutadiene	15.12	225	30144	21.98	ug/l	99
95) Naphthalene	15.25	128	131443	20.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	51735	21.40	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

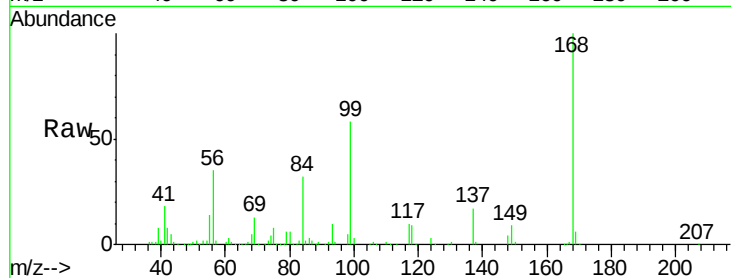
VSTDIC020

Tgt Ion:168 Resp: 191787

Ion Ratio Lower Upper

168 100

99 57.9 44.3 66.5

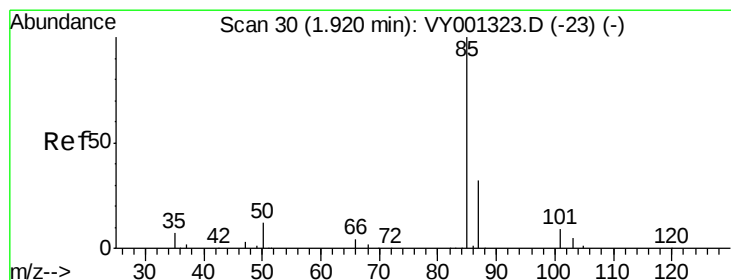
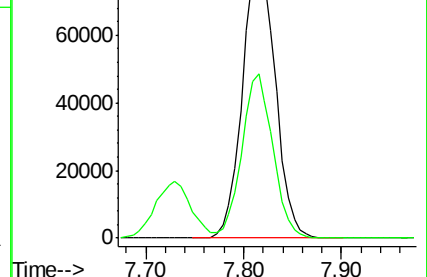
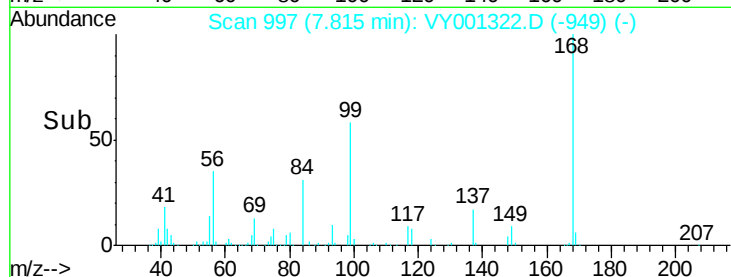


Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.82

Time-->



#2

Dichlorodifluoromethane

Concen: 22.00 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001322.D

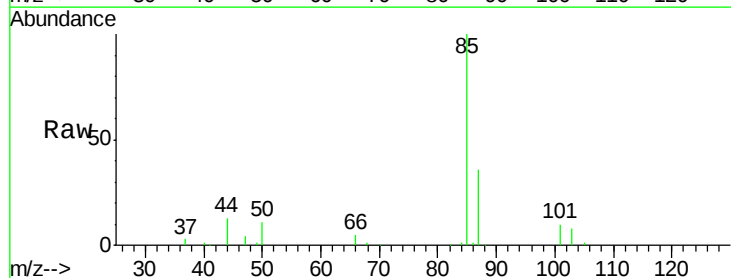
Acq: 21 Jan 2020 15:25

Tgt Ion: 85 Resp: 32695

Ion Ratio Lower Upper

85 100

87 35.9 16.0 48.0

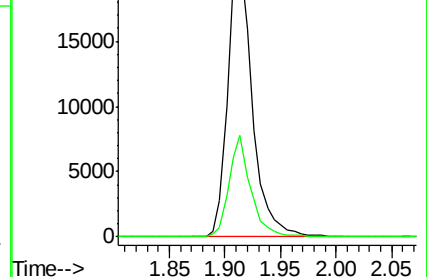
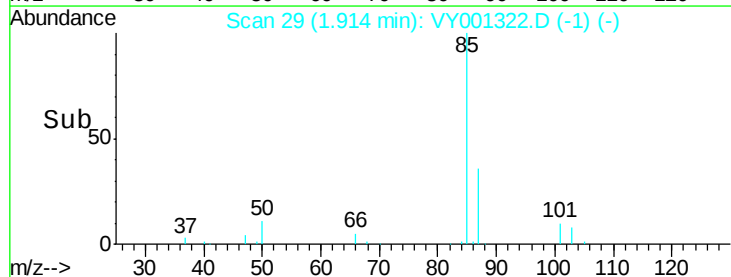


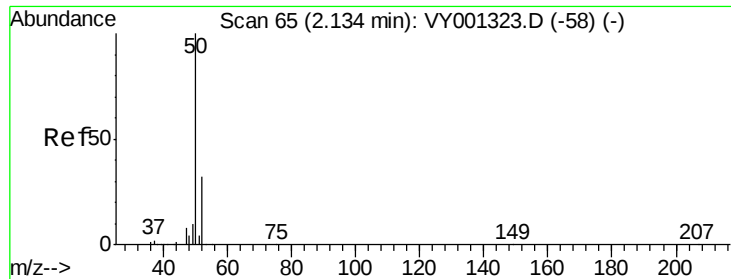
Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.91

Time-->





#3

Chloromethane

Concen: 21.97 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

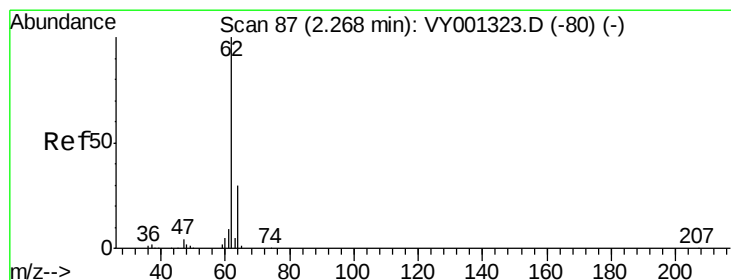
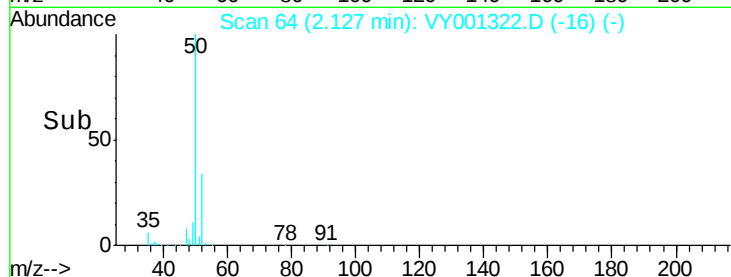
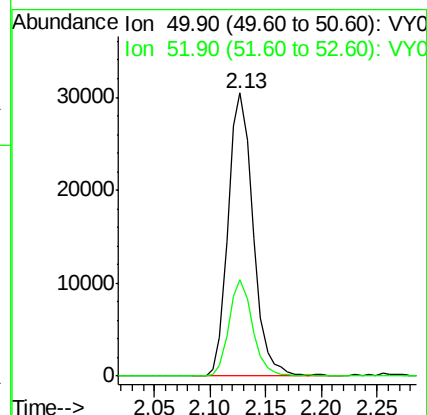
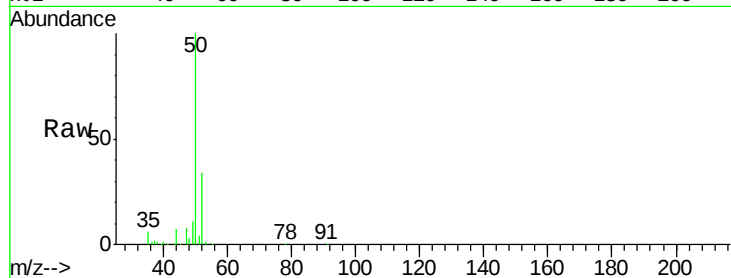
VSTDIC020

Tgt Ion: 50 Resp: 47407

Ion Ratio Lower Upper

50 100

52 34.2 25.7 38.5



#4

Vinyl Chloride

Concen: 22.37 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001322.D

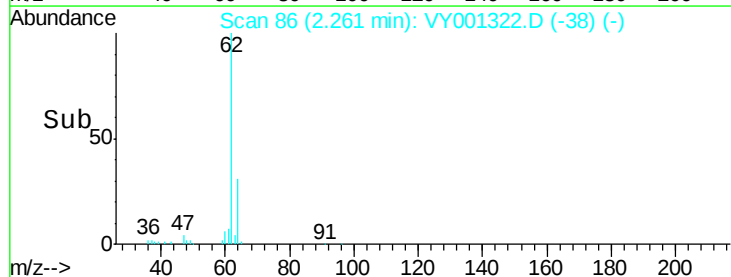
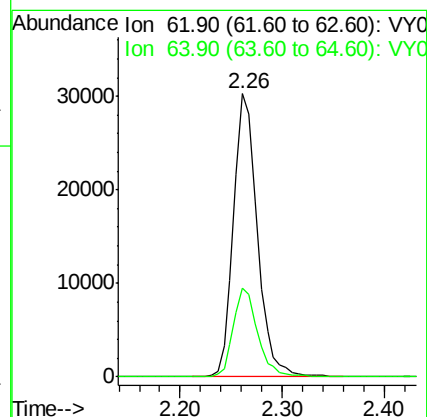
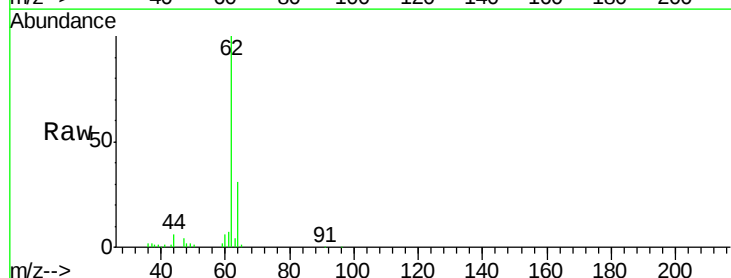
Acq: 21 Jan 2020 15:25

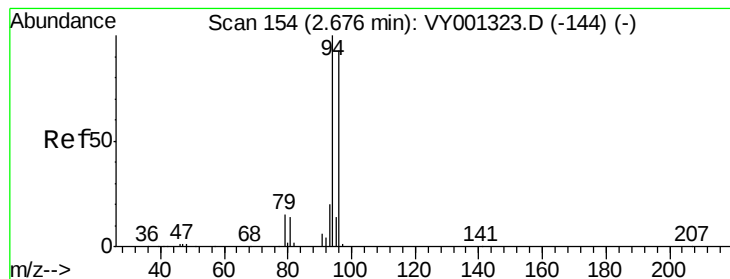
Tgt Ion: 62 Resp: 48727

Ion Ratio Lower Upper

62 100

64 31.2 23.9 35.9





#5

Bromomethane

Concen: 26.93 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.02 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

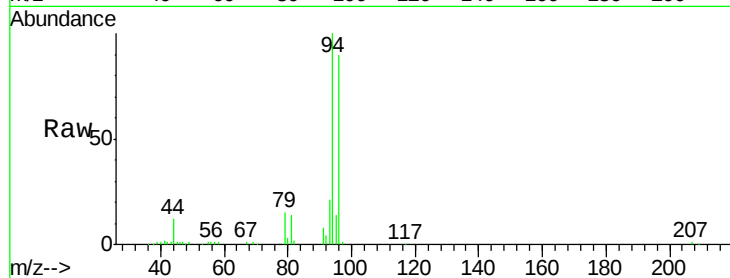
VSTDIC020

Tgt Ion: 94 Resp: 32484

Ion Ratio Lower Upper

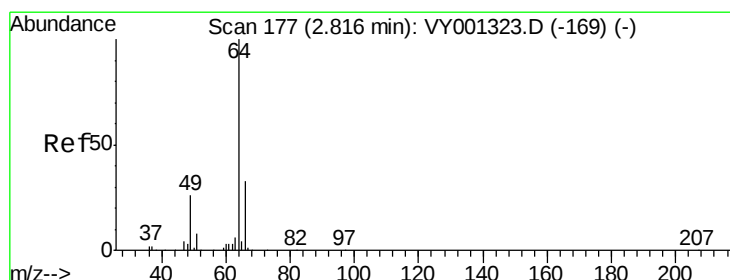
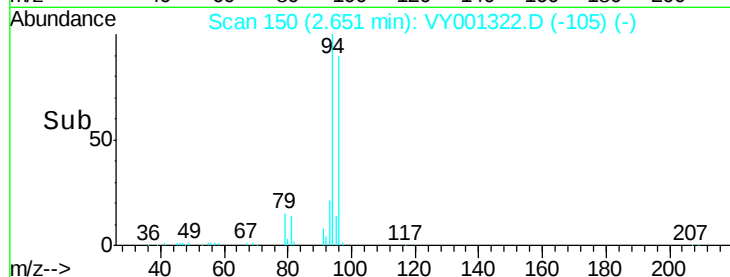
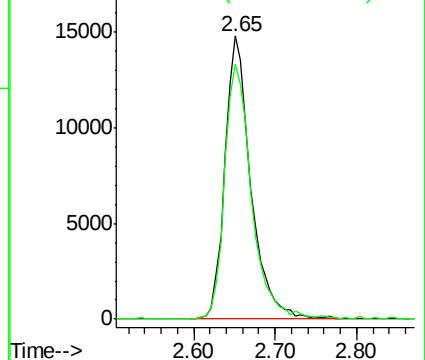
94 100

96 90.3 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 24.50 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001322.D

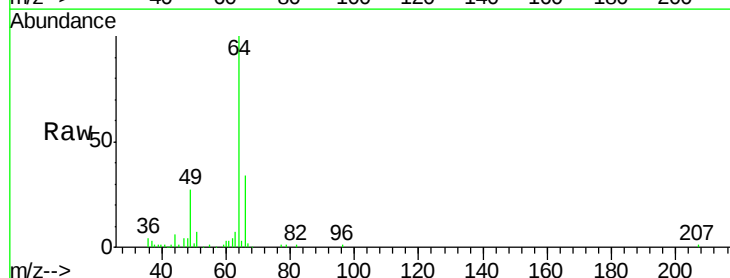
Acq: 21 Jan 2020 15:25

Tgt Ion: 64 Resp: 31426

Ion Ratio Lower Upper

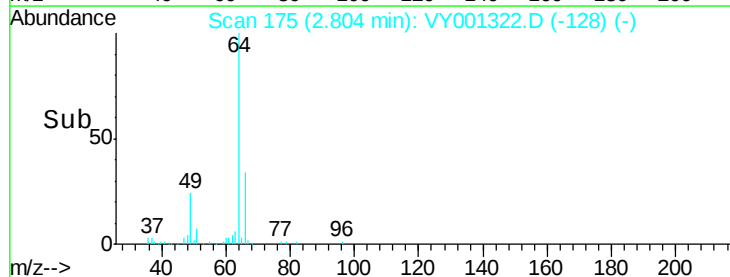
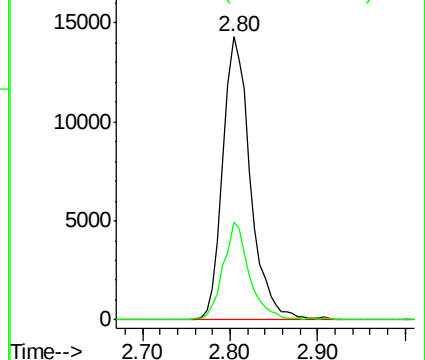
64 100

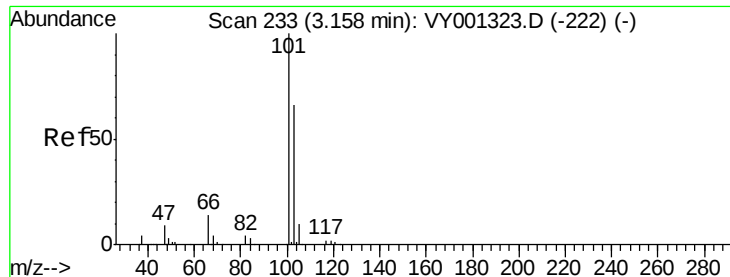
66 34.4 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



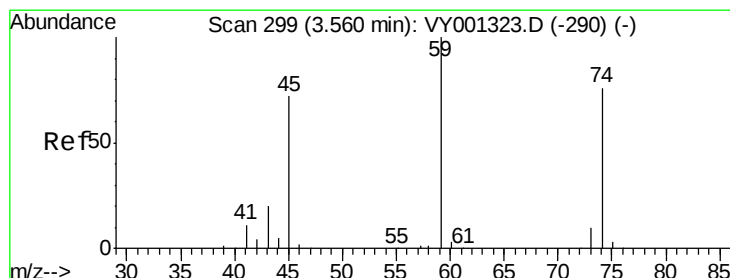
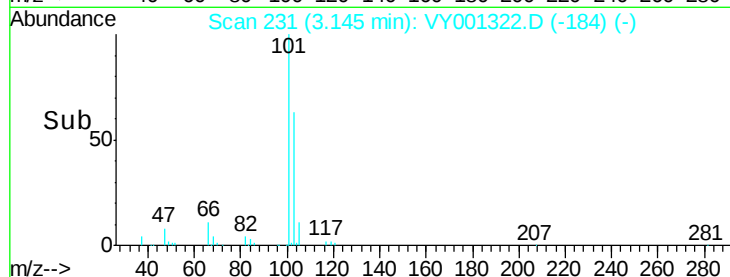
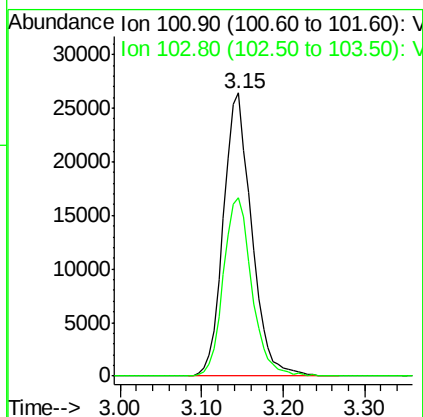
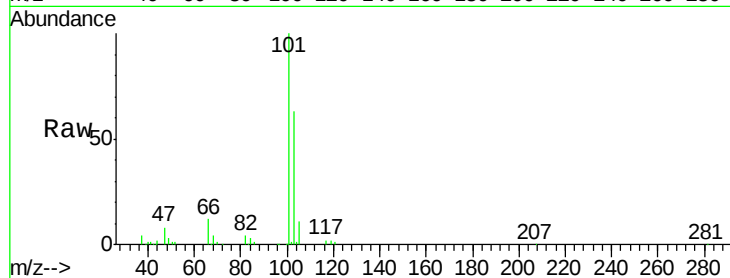


#7

Trichlorofluoromethane
Concen: 21.07 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

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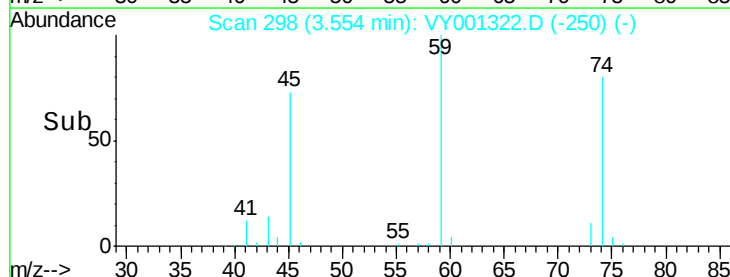
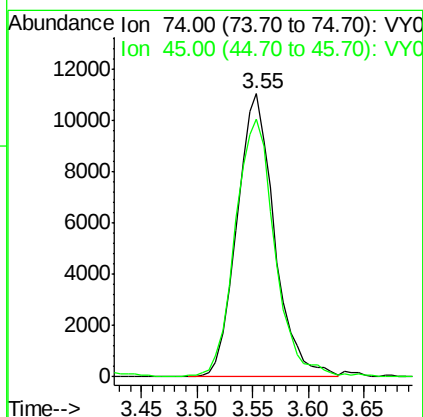
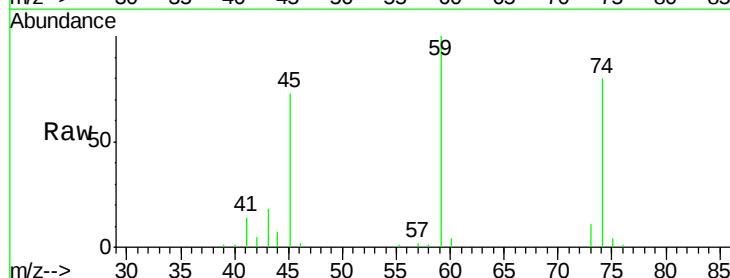
Tgt Ion:101 Resp: 63328
Ion Ratio Lower Upper
101 100
103 62.8 52.5 78.7

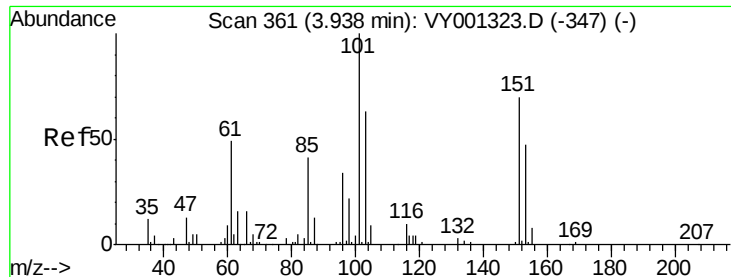


#8

Diethyl Ether
Concen: 21.95 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 74 Resp: 25818
Ion Ratio Lower Upper
74 100
45 96.3 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.53 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.02 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

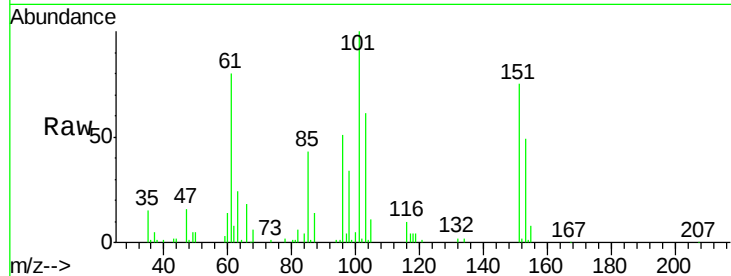
Tgt Ion:101 Resp: 39599

Ion Ratio Lower Upper

101 100

85 44.4 34.9 52.3

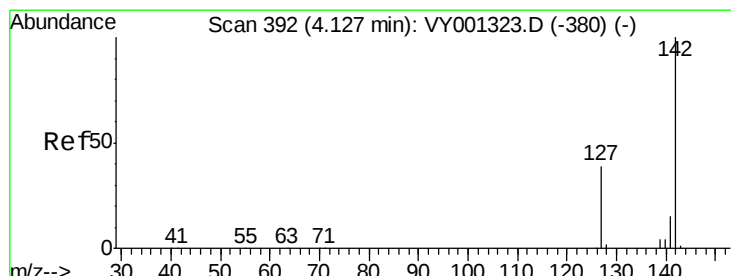
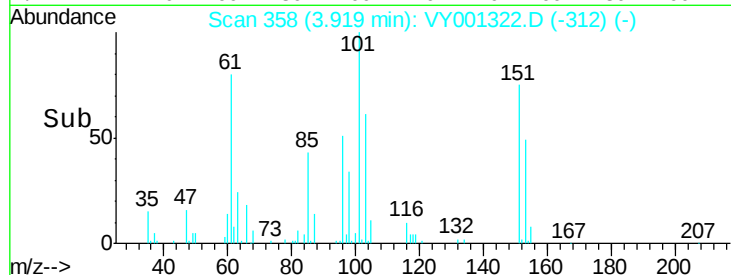
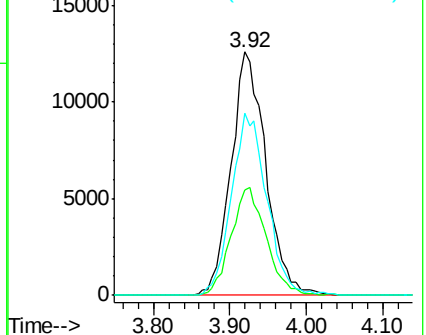
151 75.9 59.9 89.9



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: 20.00 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

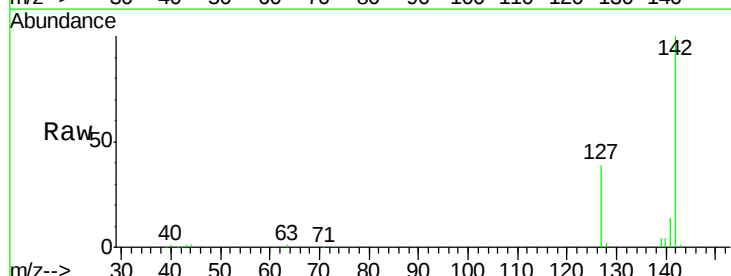
Tgt Ion:142 Resp: 52824

Ion Ratio Lower Upper

142 100

127 39.8 31.6 47.4

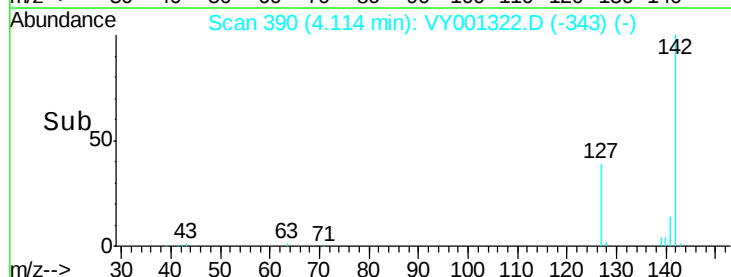
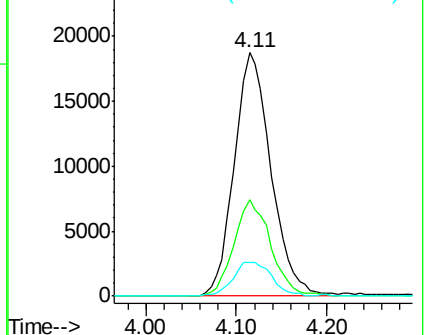
141 14.7 11.2 16.8

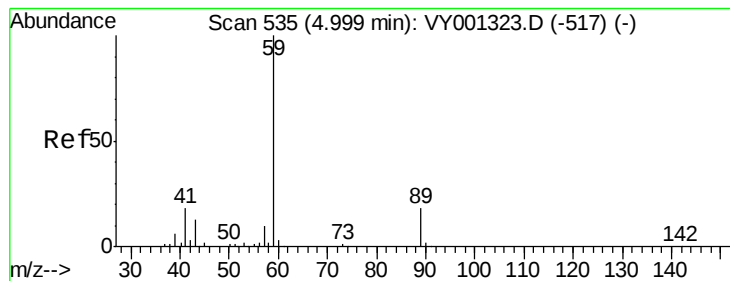


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



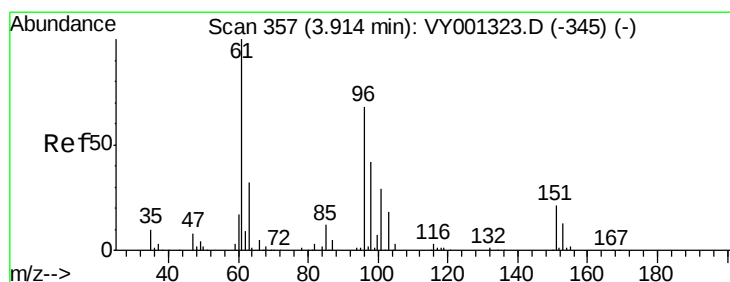
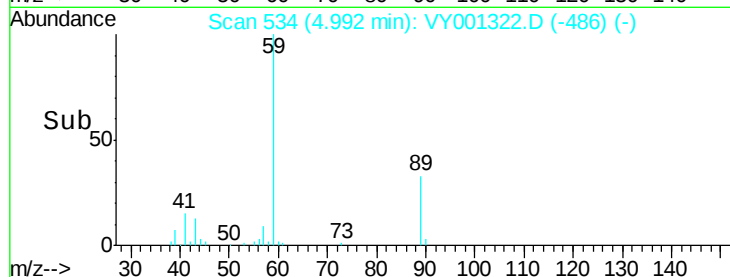
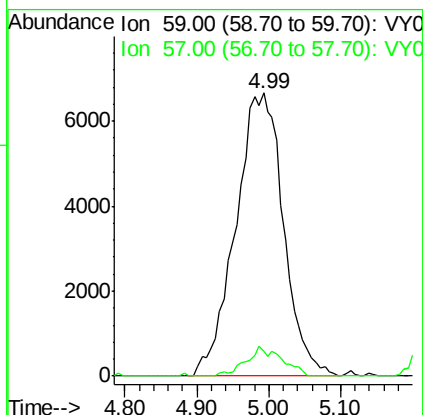
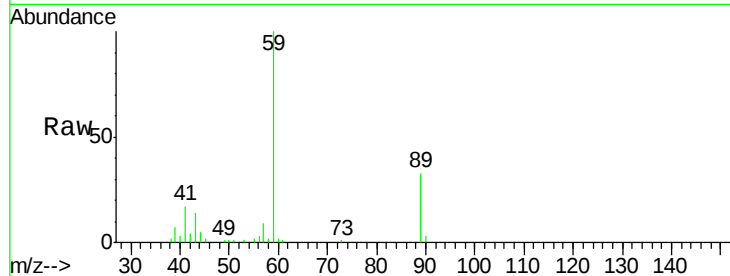


#11

Tert butyl alcohol
 Concen: 142.47 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

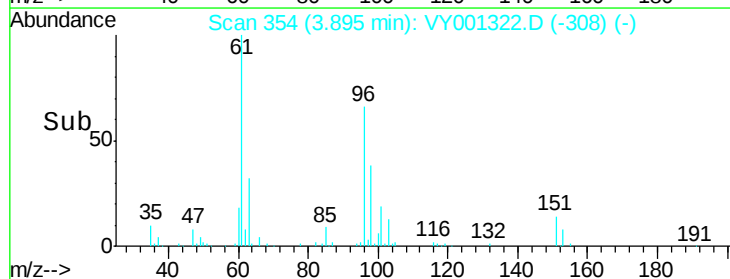
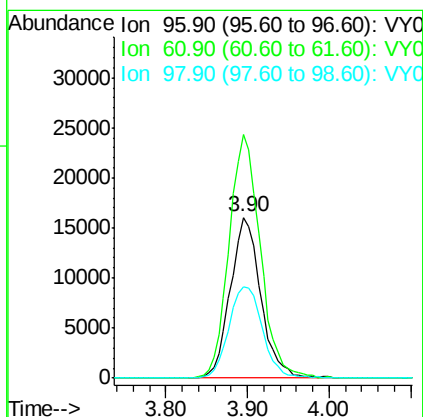
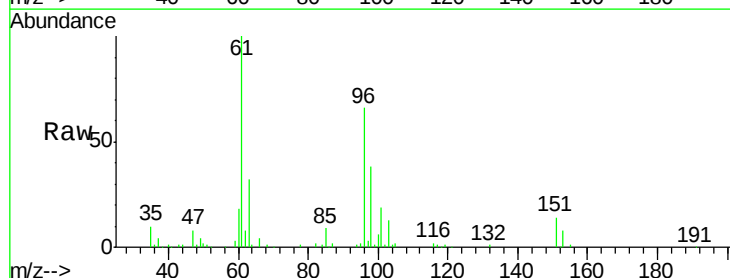
Tgt Ion: 59 Resp: 30694
 Ion Ratio Lower Upper
 59 100
 57 4.6 7.4 11.2#

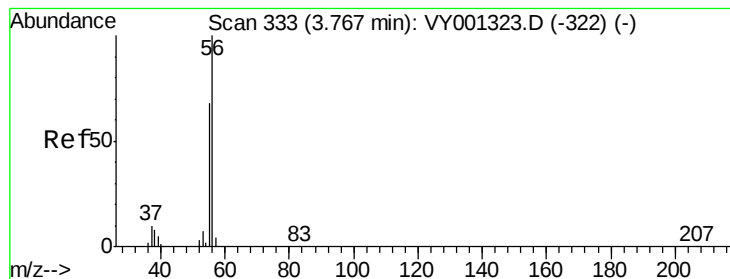


#12

1,1-Dichloroethene
 Concen: 20.94 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.02 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion: 96 Resp: 41384
 Ion Ratio Lower Upper
 96 100
 61 151.2 118.0 177.0
 98 57.0 49.4 74.2





#13

Acrolein

Concen: 111.39 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

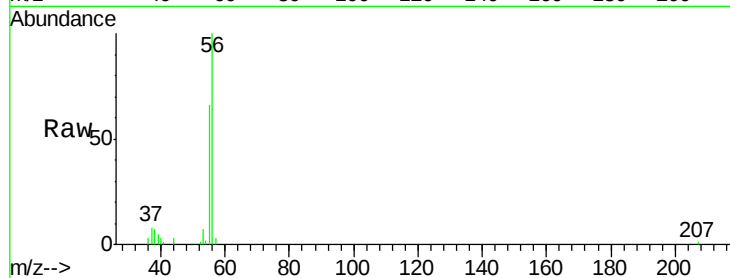
VSTDIC020

Tgt Ion: 56 Resp: 19818

Ion Ratio Lower Upper

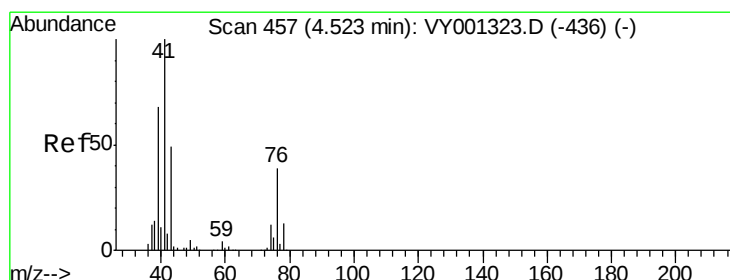
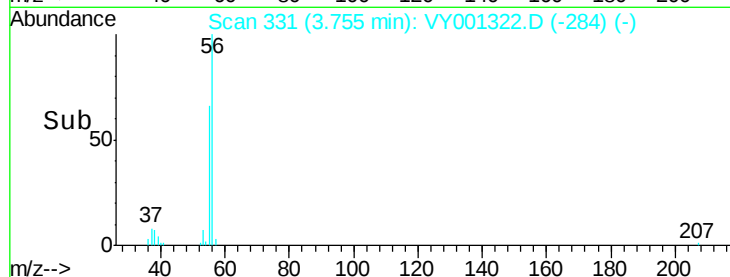
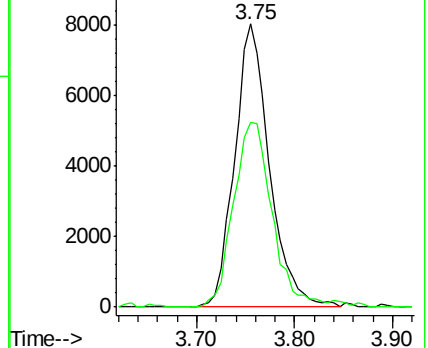
56 100

55 72.2 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 21.53 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

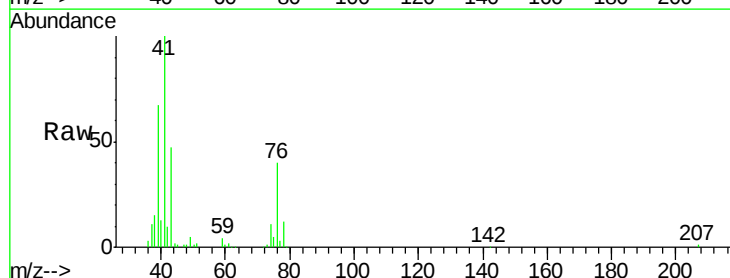
Tgt Ion: 41 Resp: 72485

Ion Ratio Lower Upper

41 100

39 66.2 52.2 78.4

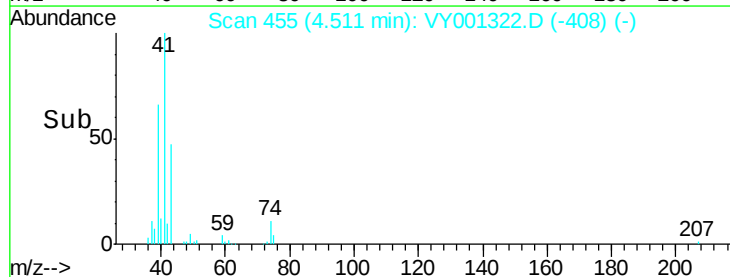
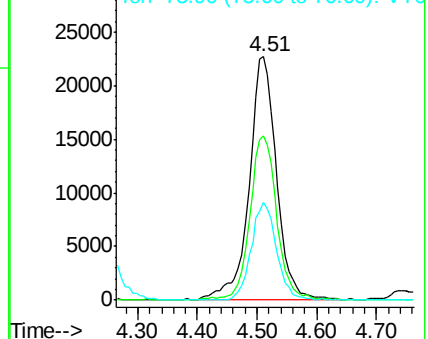
76 36.9 29.1 43.7

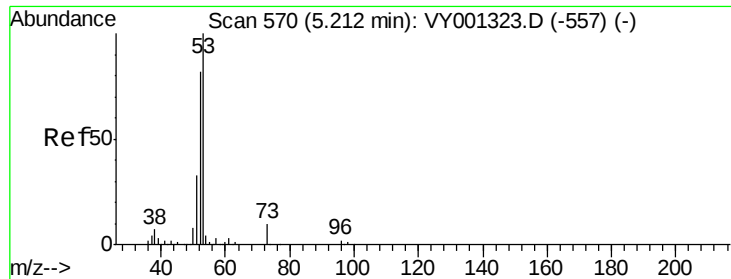


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 107.51 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

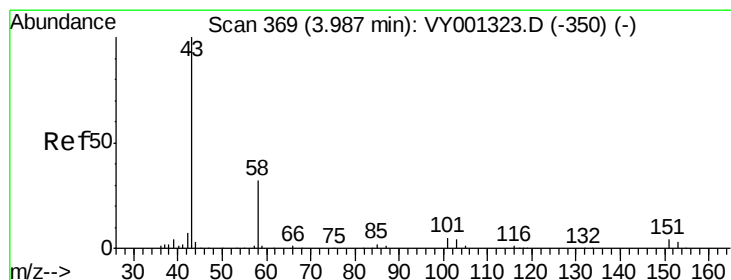
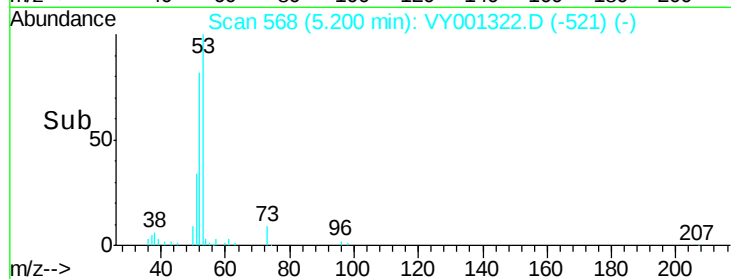
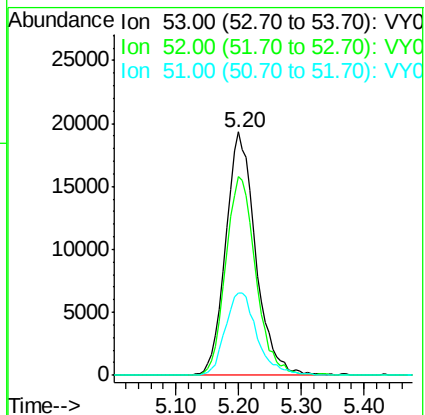
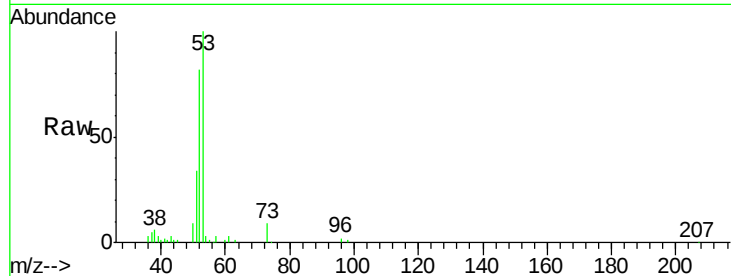
Tgt Ion: 53 Resp: 63848

Ion Ratio Lower Upper

53 100

52 81.6 65.3 97.9

51 36.1 28.4 42.6



#16

Acetone

Concen: 110.60 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001322.D

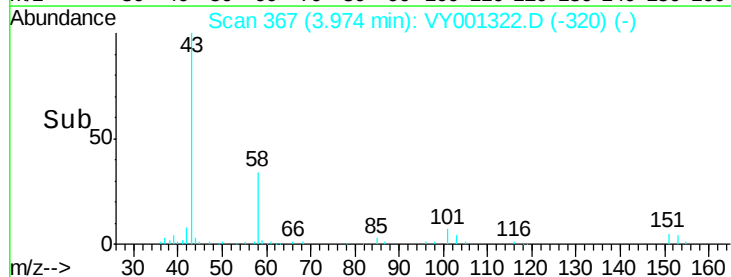
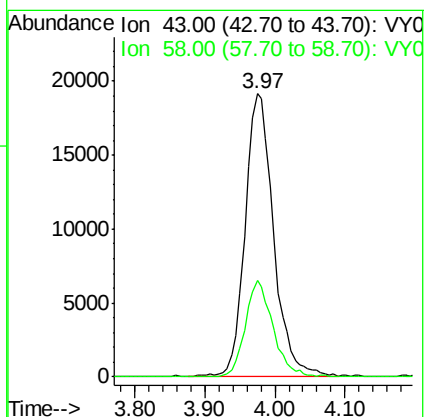
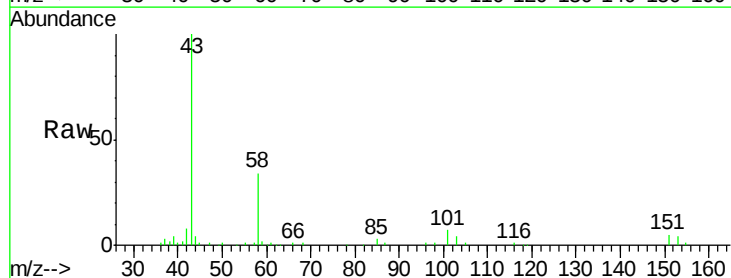
Acq: 21 Jan 2020 15:25

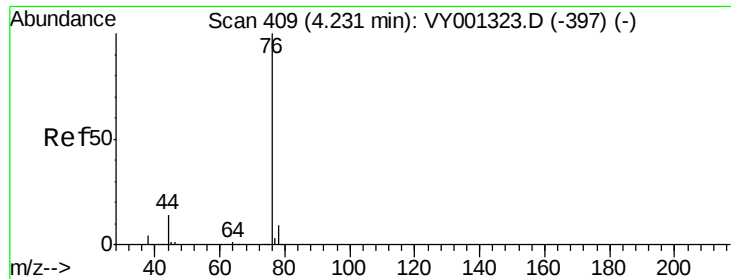
Tgt Ion: 43 Resp: 54424

Ion Ratio Lower Upper

43 100

58 34.1 25.4 38.0

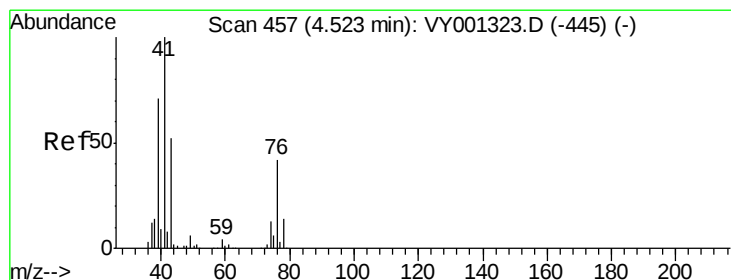
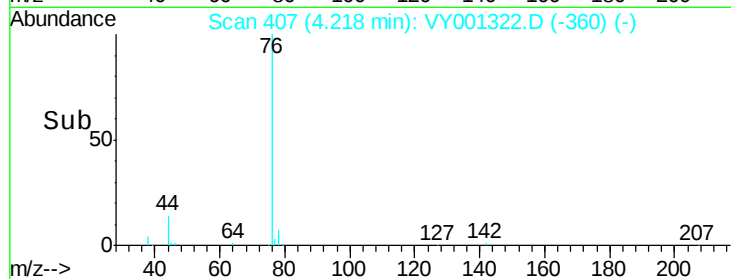
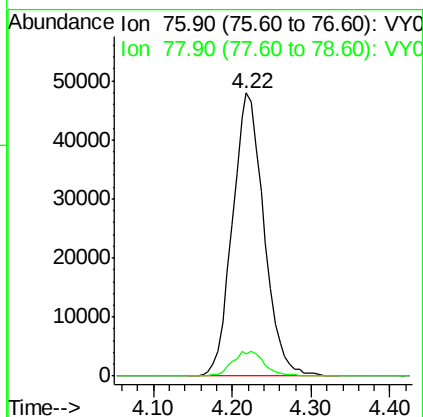
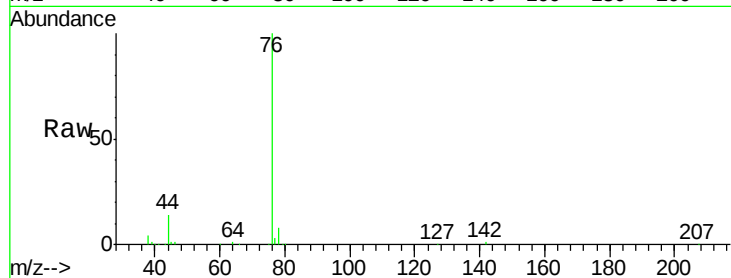




#17
Carbon Disulfide
Concen: 20.96 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

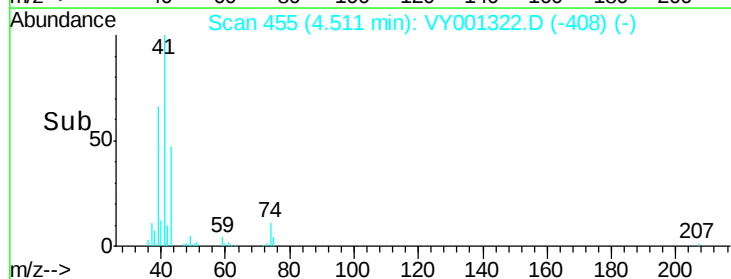
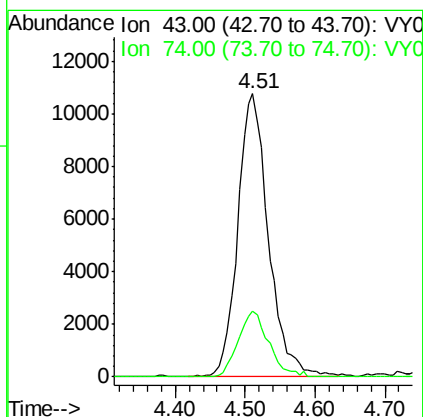
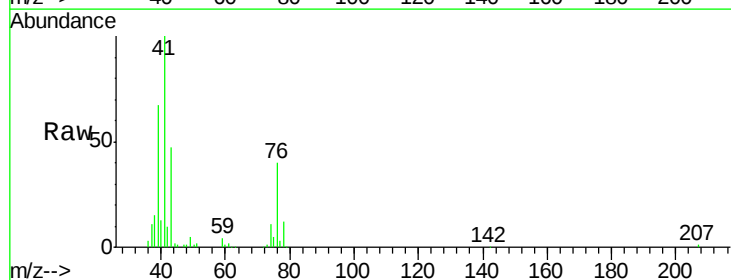
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

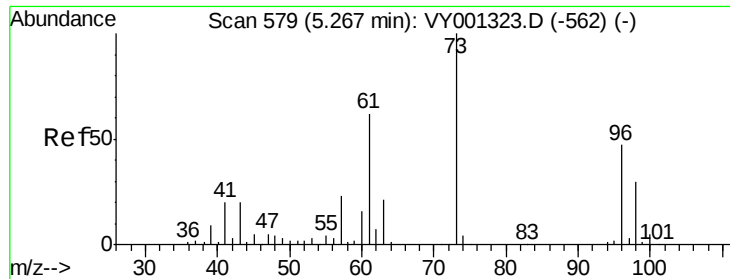
Tgt Ion: 76 Resp: 133065
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.6



#18
Methyl Acetate
Concen: 20.65 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 43 Resp: 32813
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.2

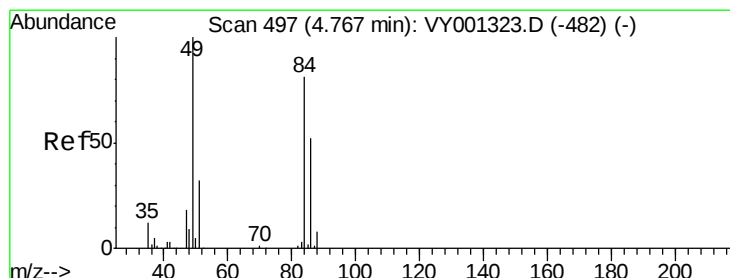
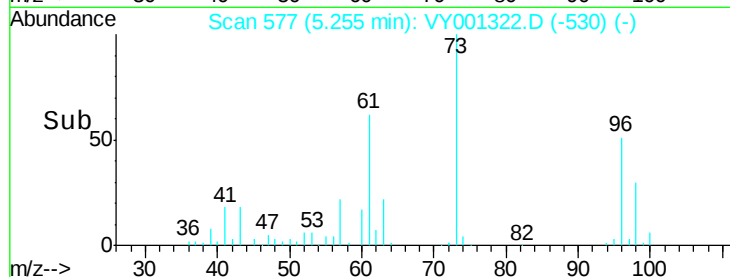
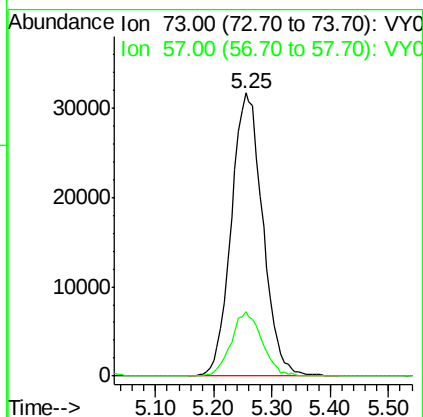
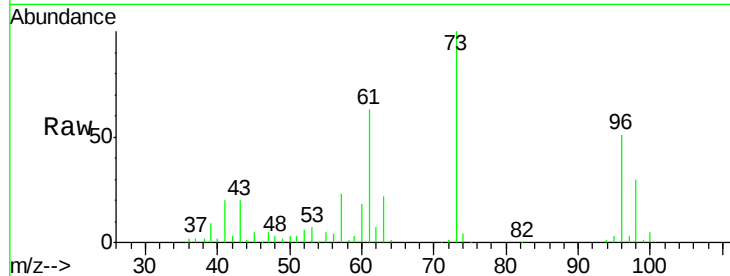




#19
Methyl tert-butyl Ether
Concen: 21.48 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

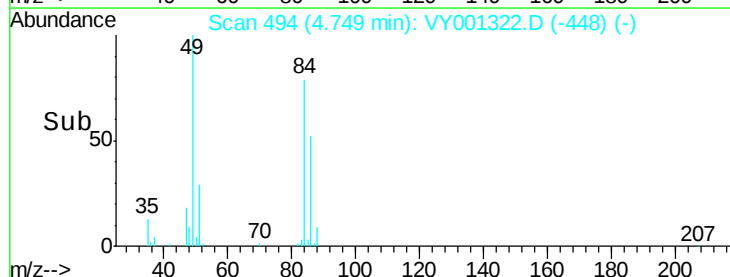
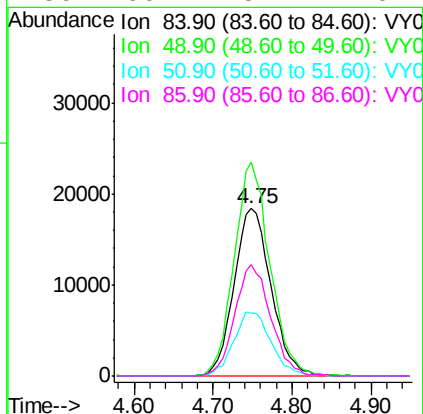
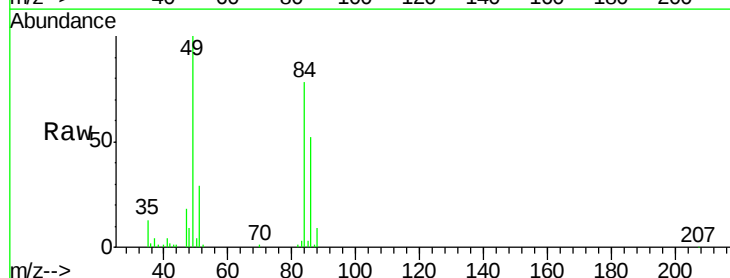
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

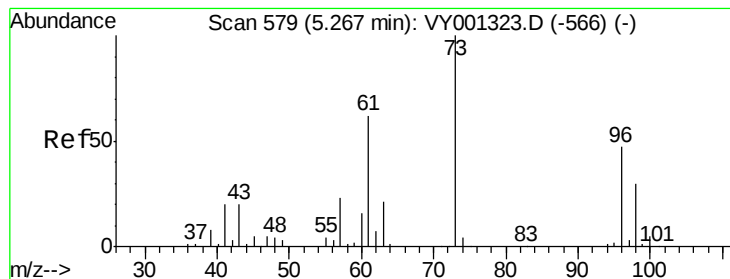
Tgt Ion: 73 Resp: 118415
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.2



#20
Methylene Chloride
Concen: 22.36 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.02 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 84 Resp: 59918
Ion Ratio Lower Upper
84 100
49 127.7 98.3 147.5
51 37.3 31.6 47.4
86 66.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 21.61 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

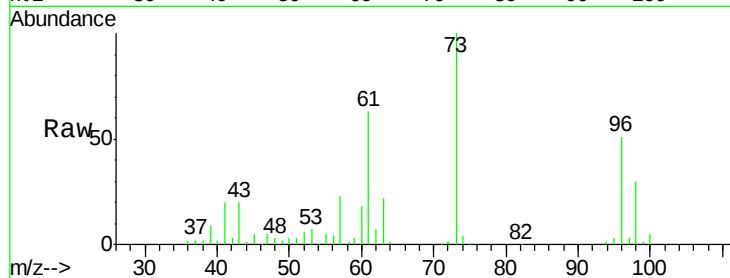
Tgt Ion: 96 Resp: 48510

Ion Ratio Lower Upper

96 100

61 123.6 106.8 160.2

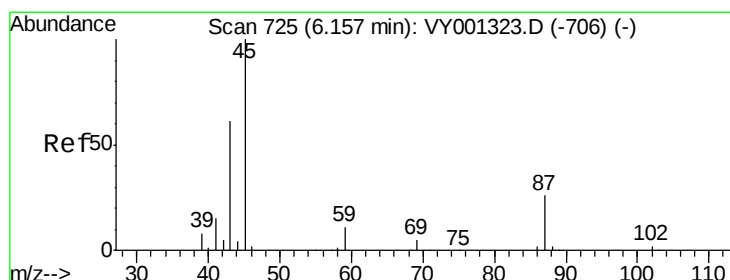
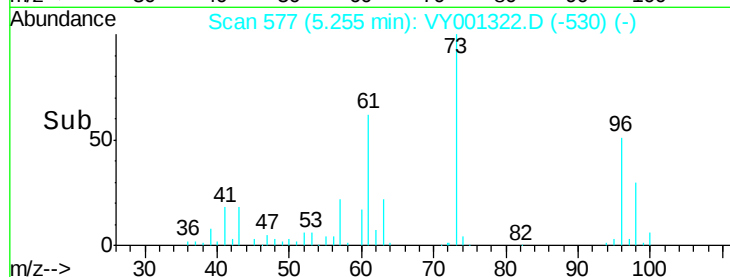
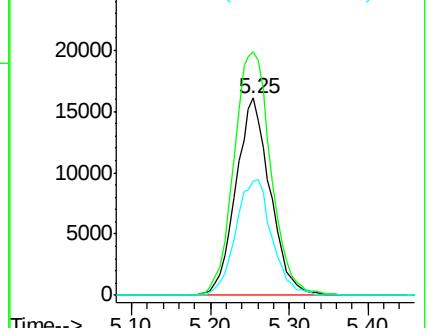
98 58.3 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.80 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Tgt Ion: 45 Resp: 150481

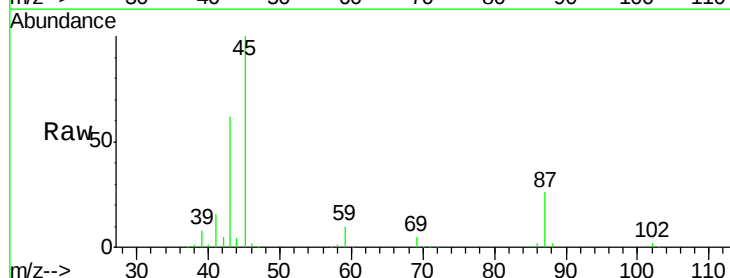
Ion Ratio Lower Upper

45 100

43 61.5 49.2 73.8

87 25.9 21.4 32.2

59 10.3 9.3 13.9

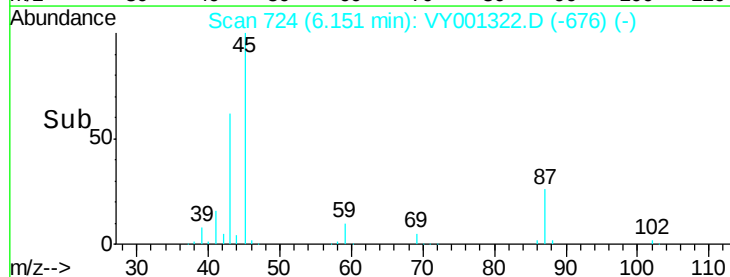
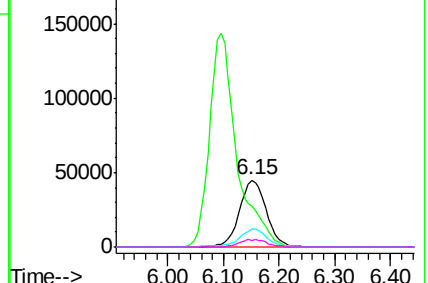


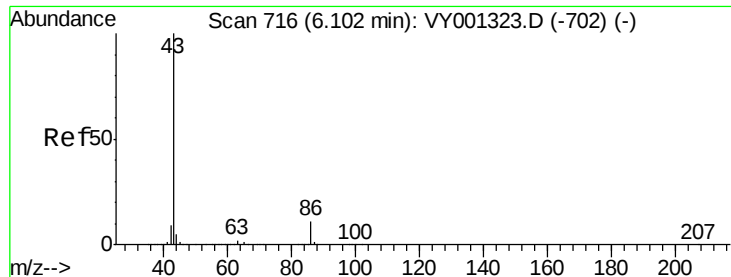
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 110.91 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

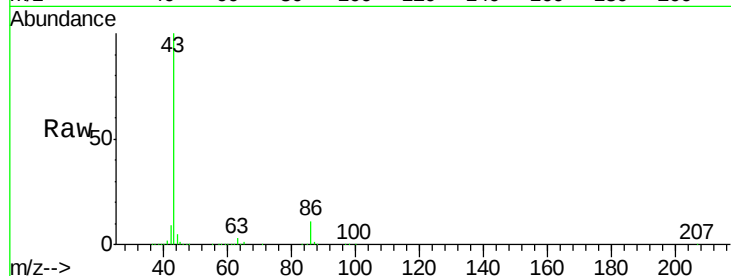
VSTDIC020

Tgt Ion: 43 Resp: 491445

Ion Ratio Lower Upper

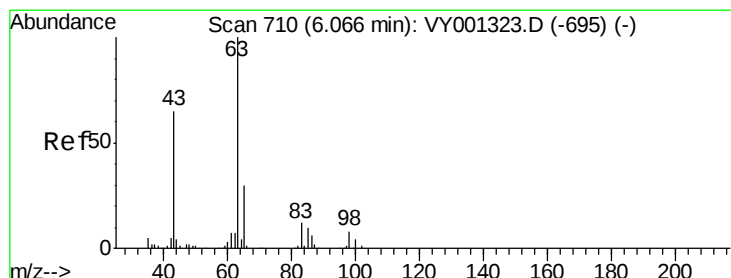
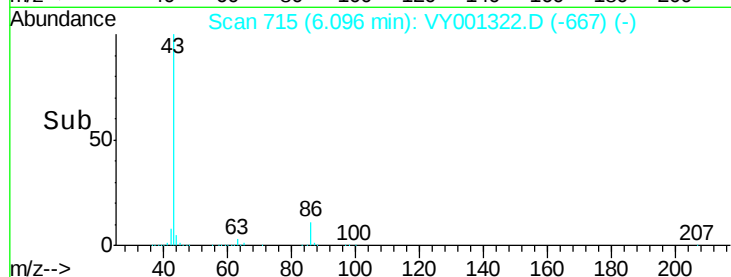
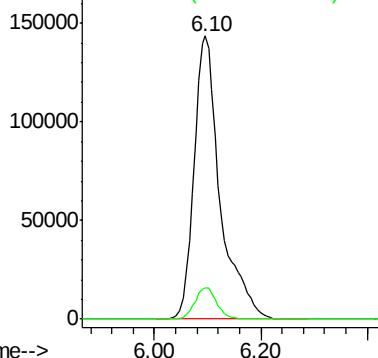
43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 21.99 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

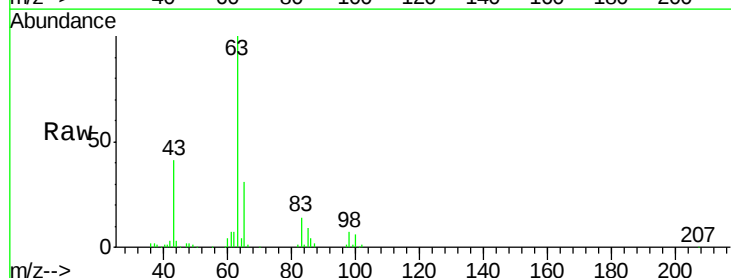
Tgt Ion: 63 Resp: 82764

Ion Ratio Lower Upper

63 100

98 7.4 4.0 12.0

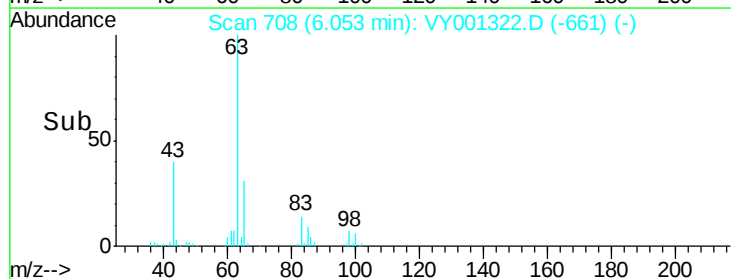
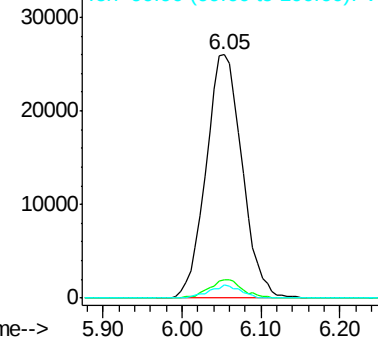
100 5.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 112.98 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

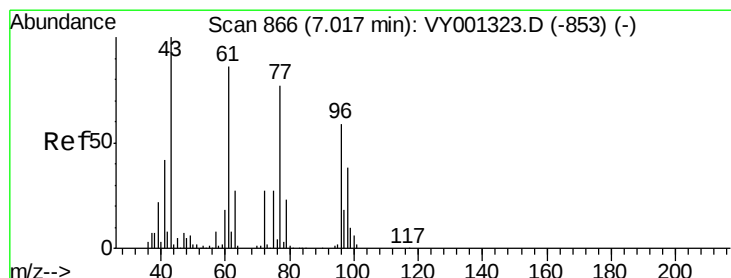
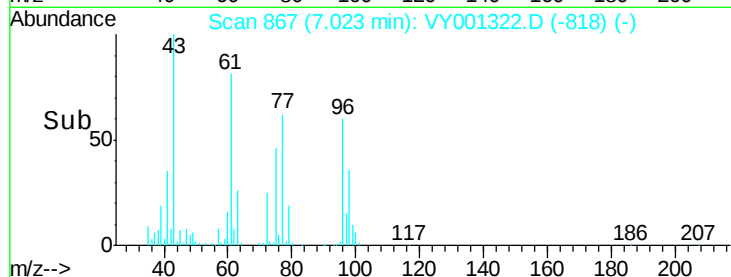
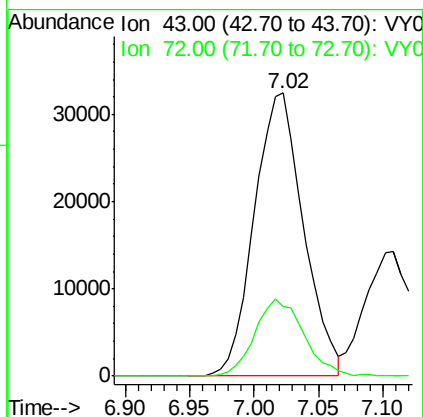
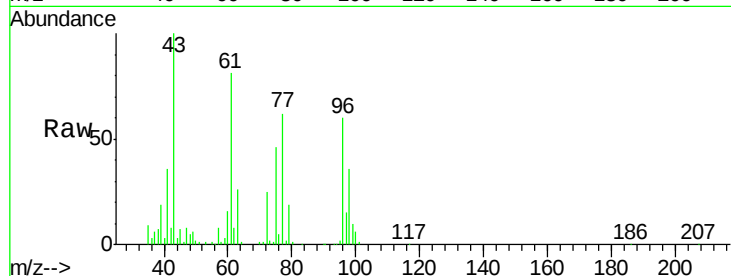
VSTDIC020

Tgt Ion: 43 Resp: 85982

Ion Ratio Lower Upper

43 100

72 24.6 20.6 31.0



#26

2,2-Dichloropropane

Concen: 20.85 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY001322.D

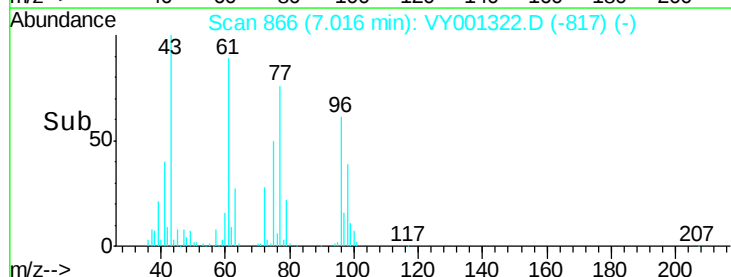
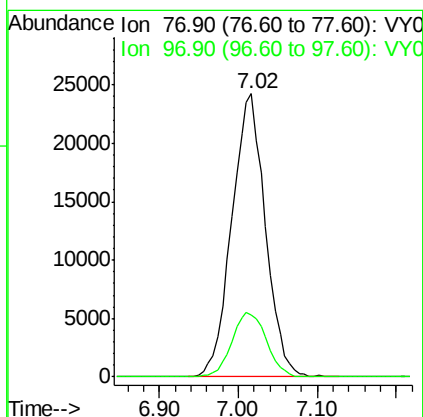
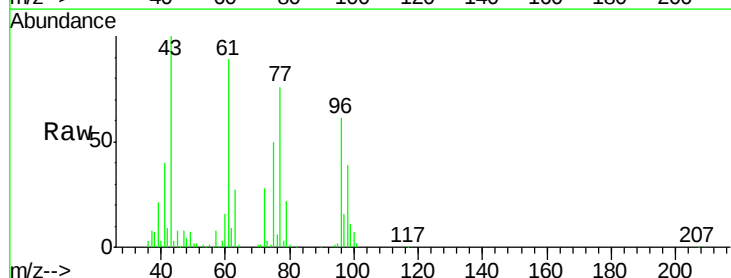
Acq: 21 Jan 2020 15:25

Tgt Ion: 77 Resp: 71677

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.5



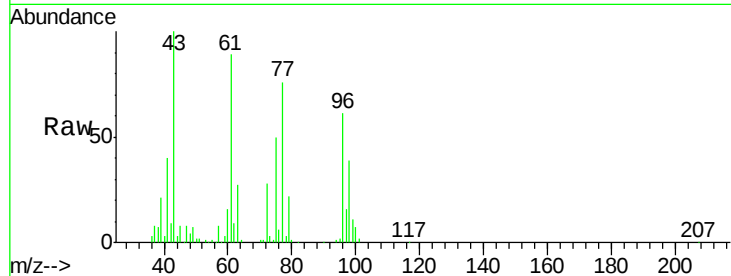


#27

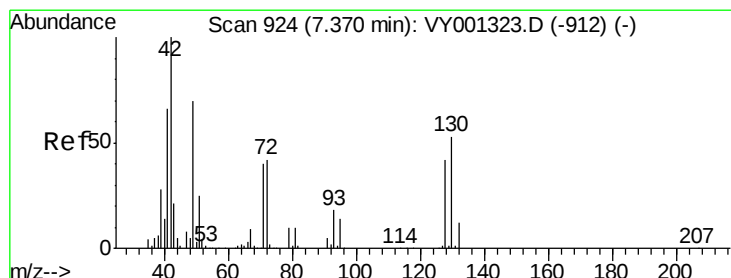
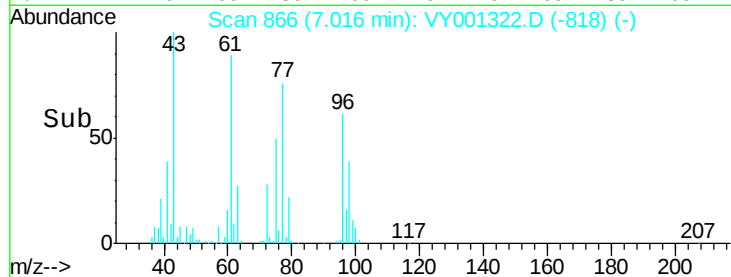
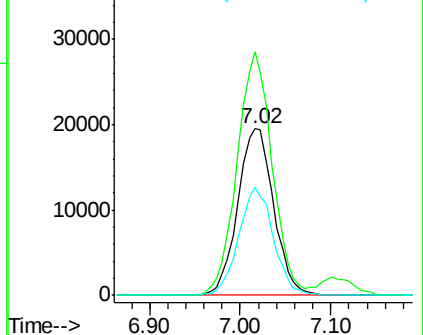
cis-1,2-Dichloroethene
Concen: 21.76 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 53691
Ion Ratio Lower Upper
96 100
61 142.4 0.0 284.8
98 62.5 0.0 128.4



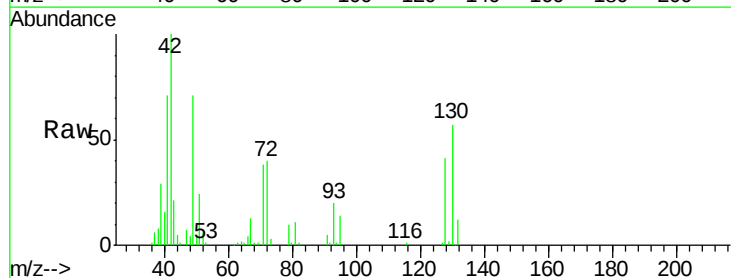
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



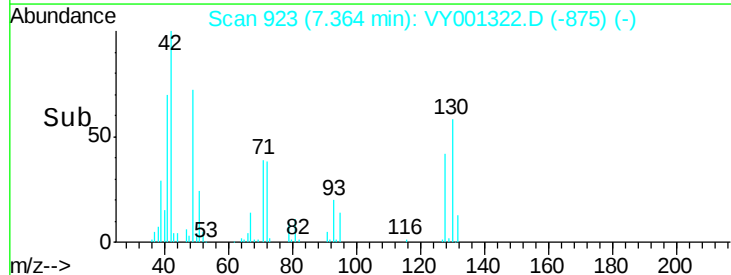
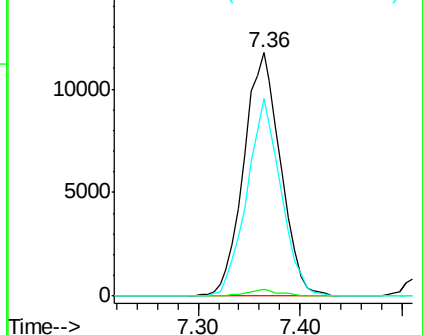
#28

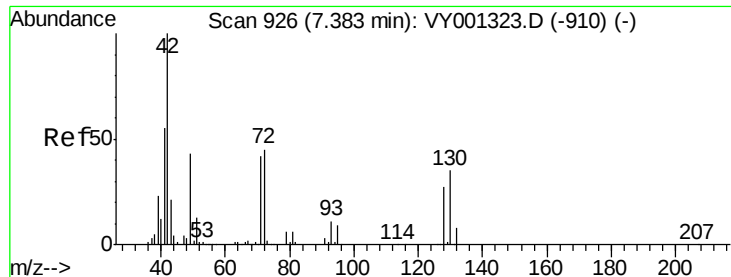
Bromochloromethane
Concen: 19.21 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 49 Resp: 29466
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.0
130 75.2 58.9 88.3



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

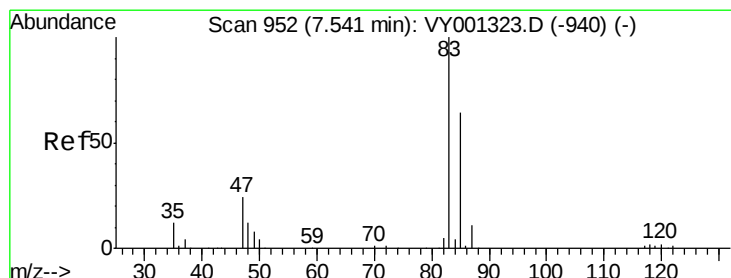
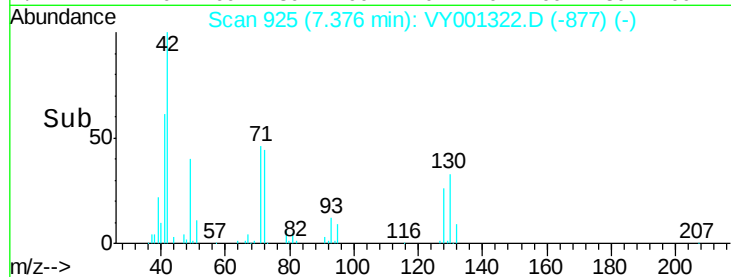
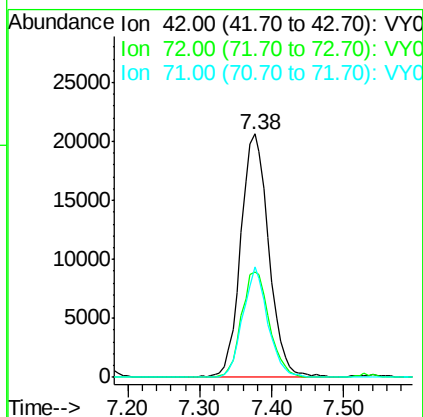
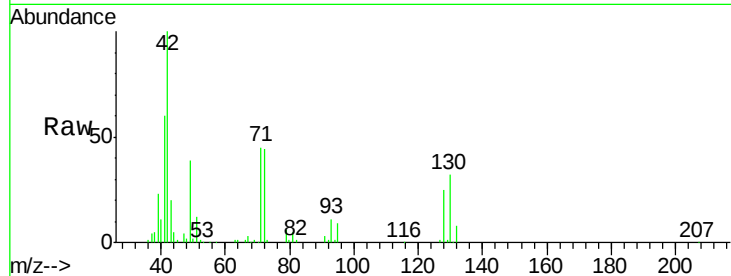




#29
Tetrahydrofuran
Concen: 108.25 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

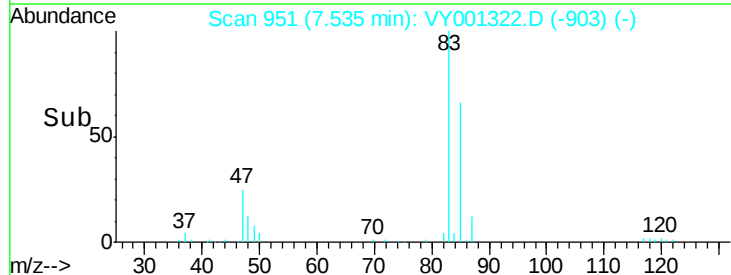
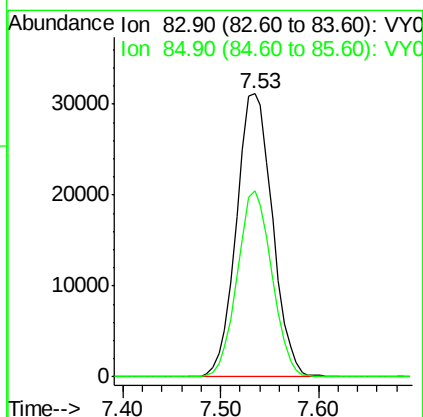
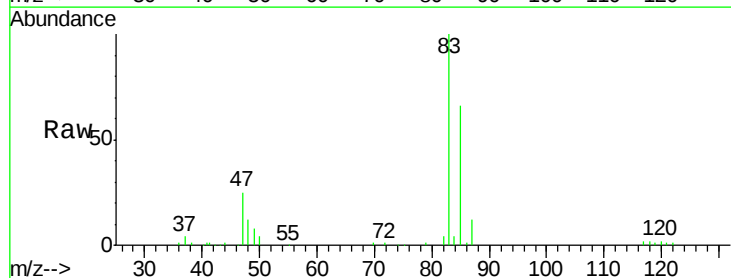
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

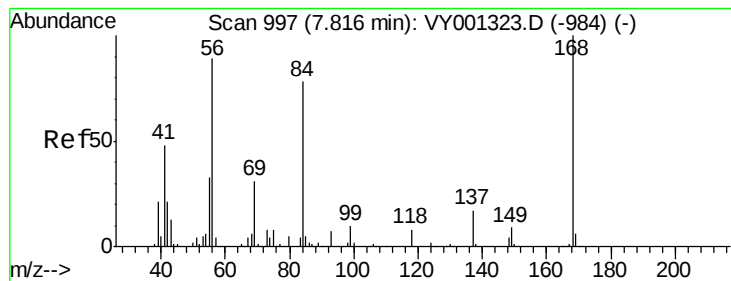
Tgt Ion: 42 Resp: 55904
Ion Ratio Lower Upper
42 100
72 42.6 34.6 51.8
71 40.1 32.6 48.8



#30
Chloroform
Concen: 21.69 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 83 Resp: 79607
Ion Ratio Lower Upper
83 100
85 66.0 51.5 77.3





#31

Cyclohexane

Concen: 20.47 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

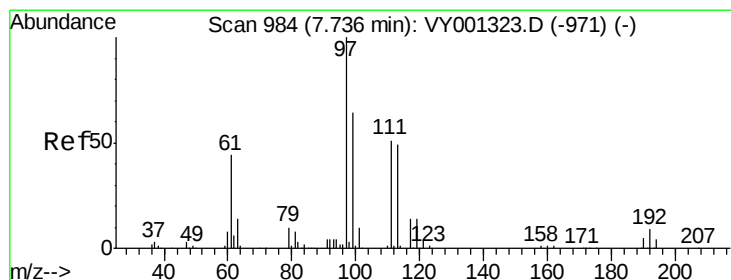
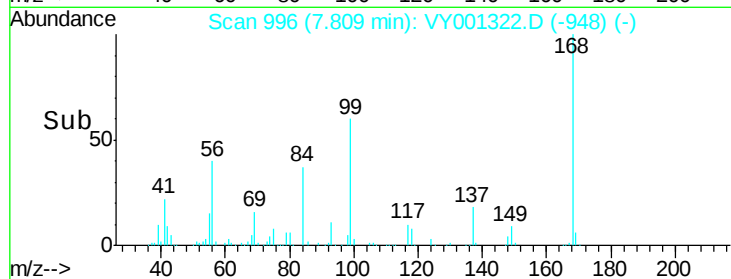
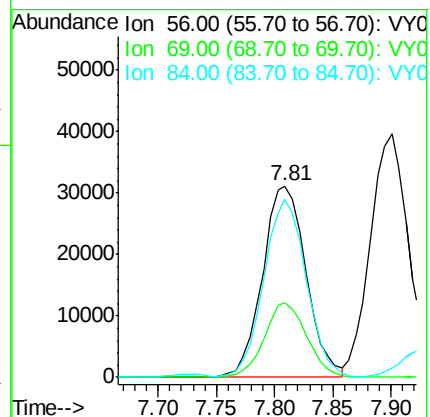
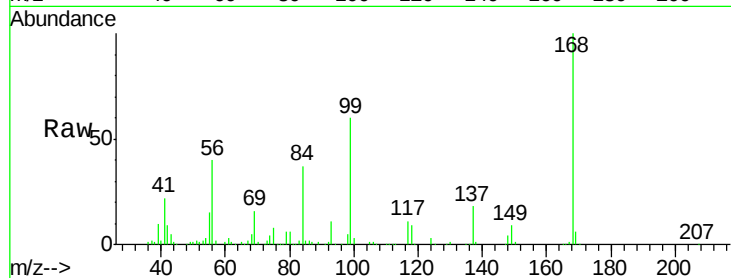
Tgt Ion: 56 Resp: 80571

Ion Ratio Lower Upper

56 100

69 39.0 27.6 41.4

84 91.5 69.7 104.5



#32

1,1,1-Trichloroethane

Concen: 20.41 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

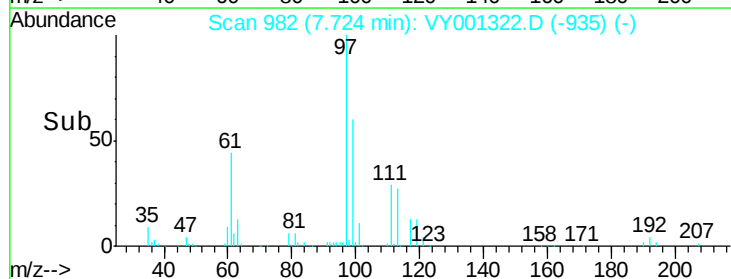
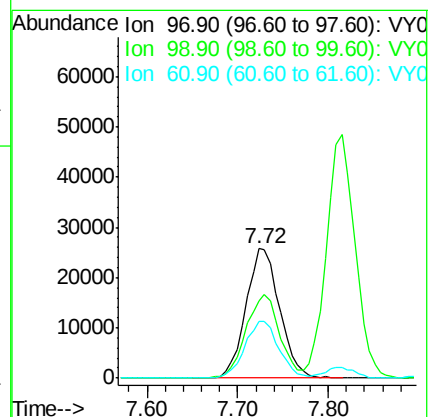
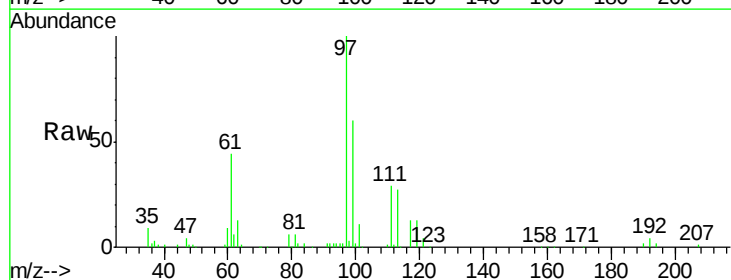
Tgt Ion: 97 Resp: 66173

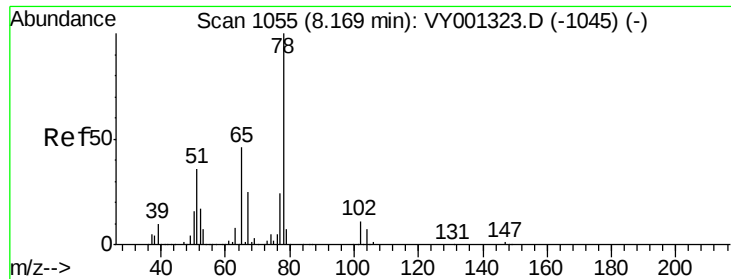
Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 44.2 35.9 53.9

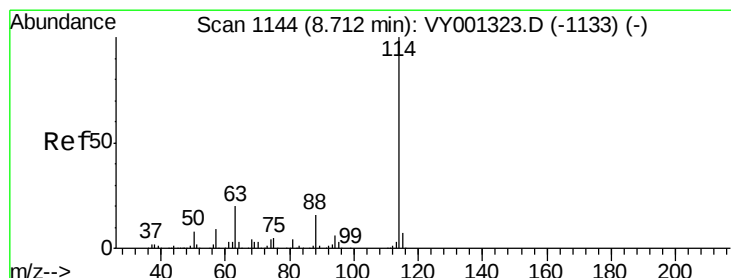
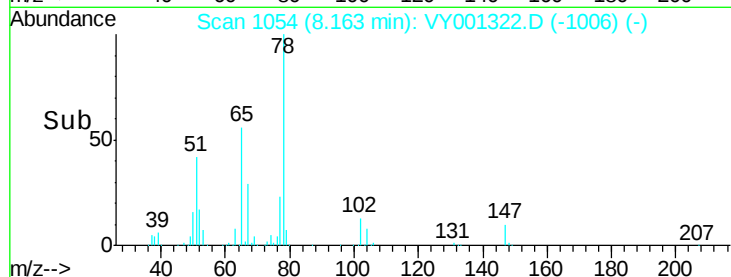
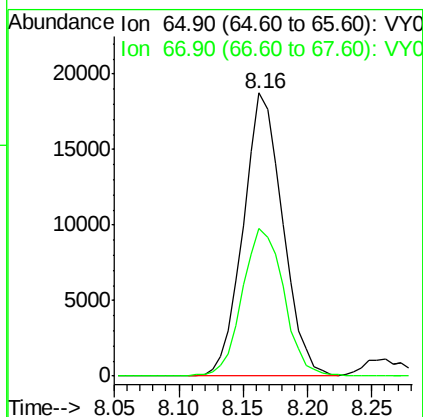
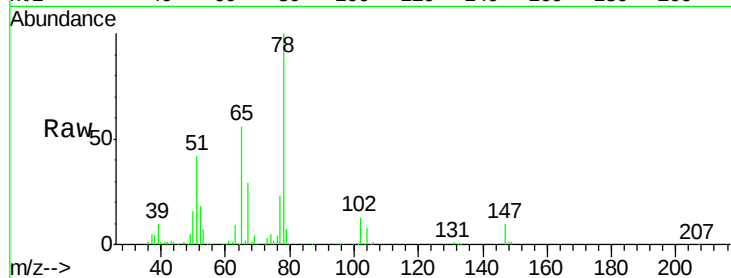




#33
 1,2-Dichloroethane-d4
 Concen: 19.52 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

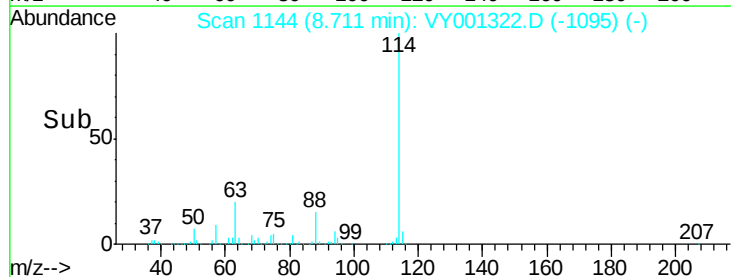
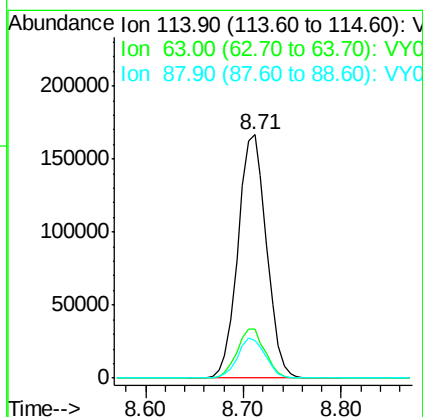
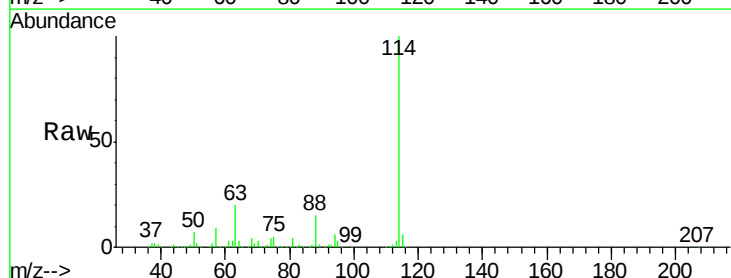
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

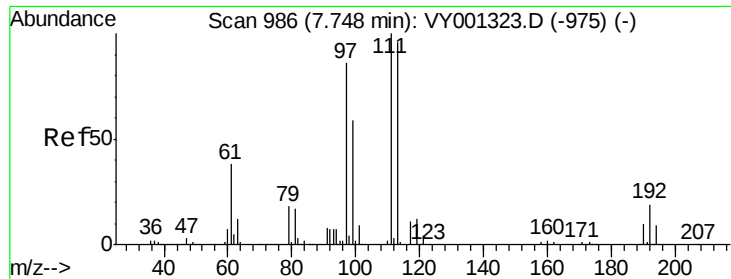
Tgt Ion: 65 Resp: 39734
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion: 114 Resp: 335908
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 15.5 0.0 31.0

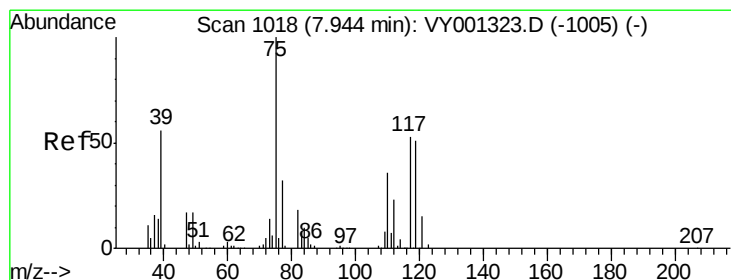
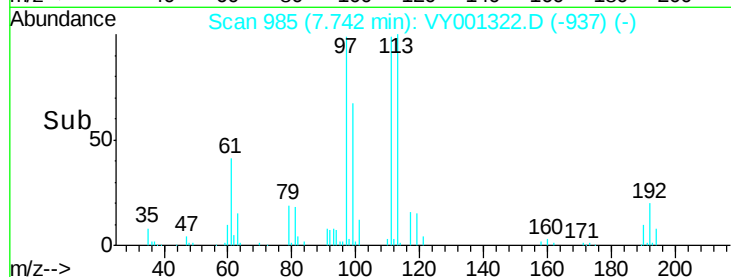
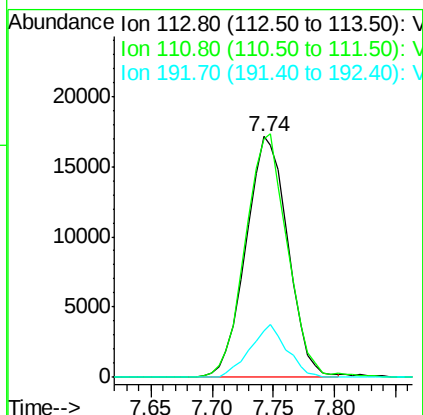
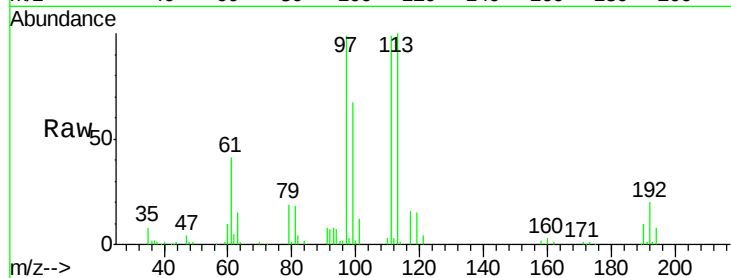




#35
 Dibromofluoromethane
 Concen: 20.75 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

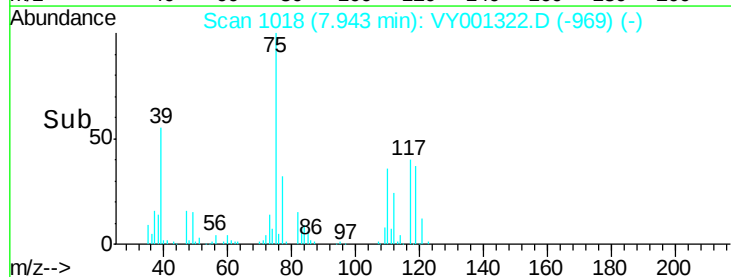
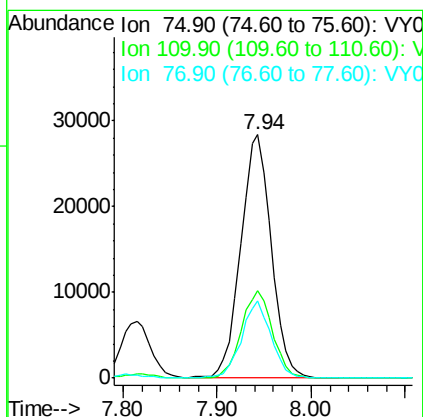
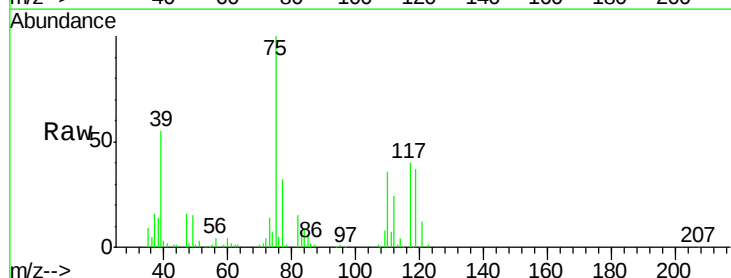
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

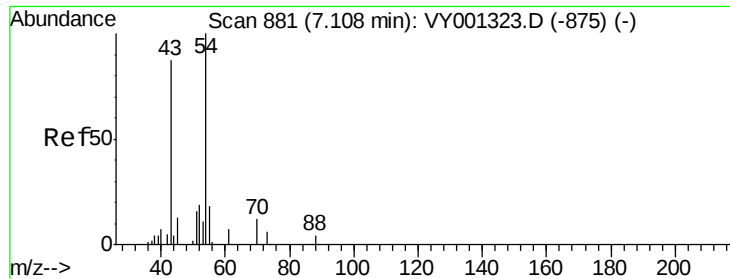
Tgt Ion: 113 Resp: 40858
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 19.4 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 21.02 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion: 75 Resp: 64620
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.6 52.8
 77 30.4 24.7 37.1

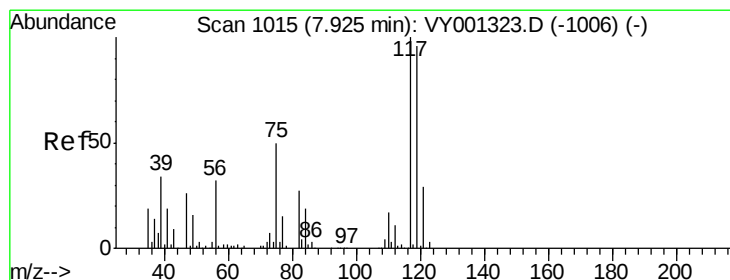
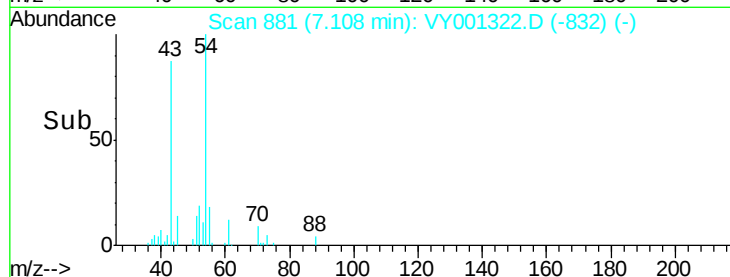
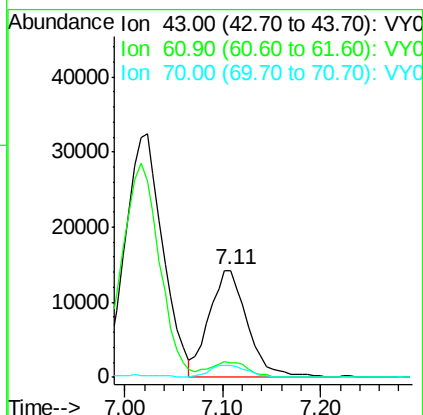
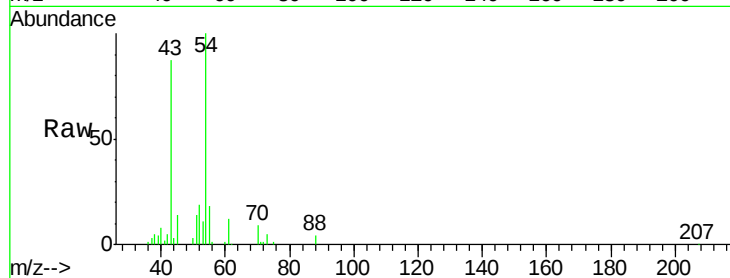




#37
Ethyl Acetate
Concen: 21.27 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

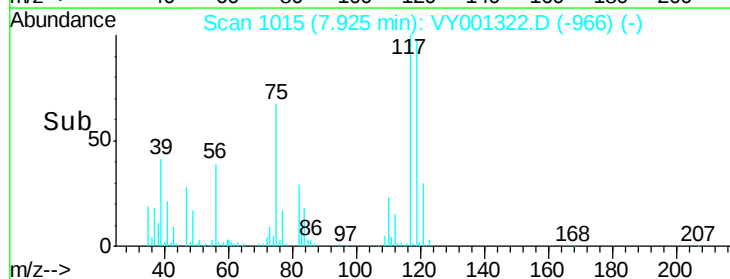
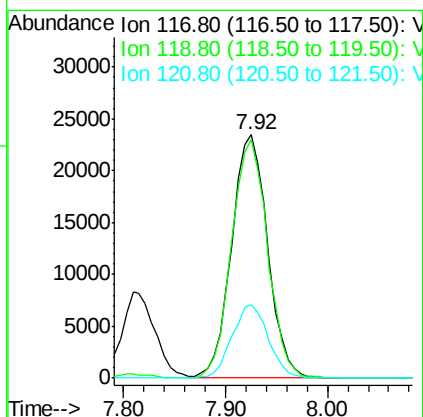
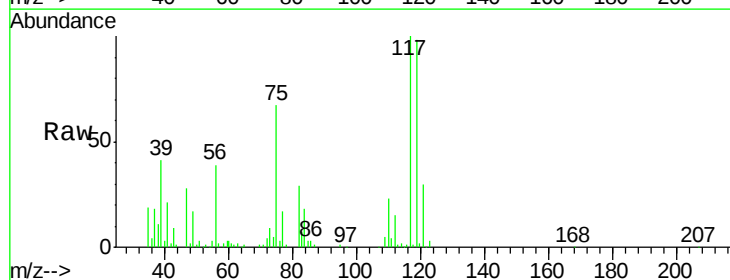
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 38829
Ion Ratio Lower Upper
43 100
61 14.6 11.3 16.9
70 11.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 20.44 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 117 Resp: 57399
Ion Ratio Lower Upper
117 100
119 97.9 76.3 114.5
121 29.9 23.5 35.3

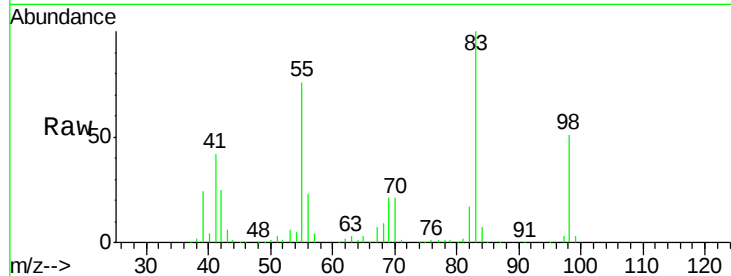




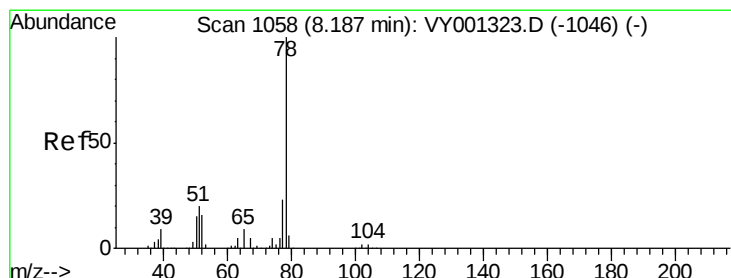
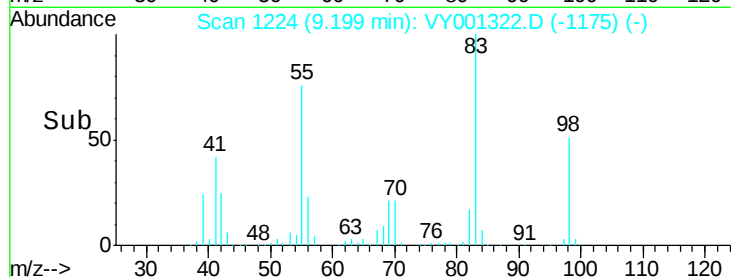
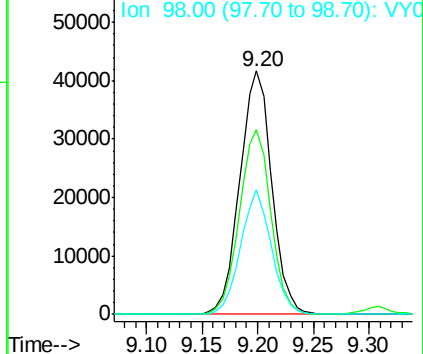
#39
Methylcyclohexane
Concen: 20.02 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tgt Ion: 83 Resp: 82860
Ion Ratio Lower Upper
83 100
55 75.9 60.7 91.1
98 51.1 37.8 56.8

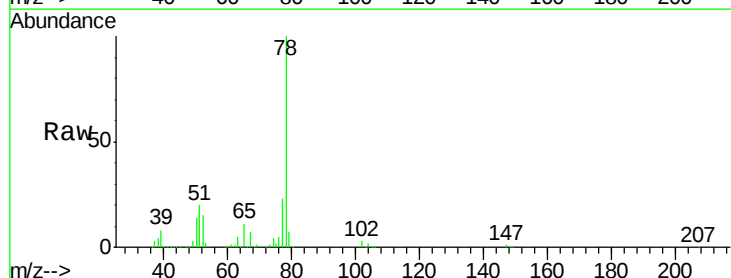


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

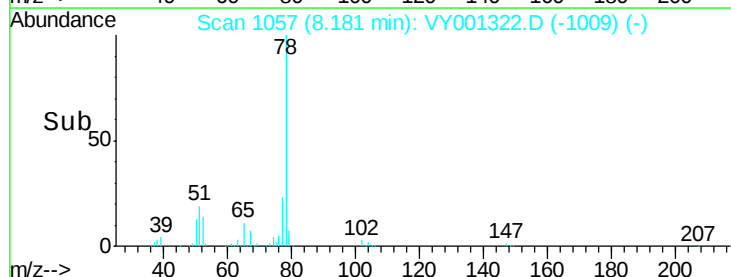
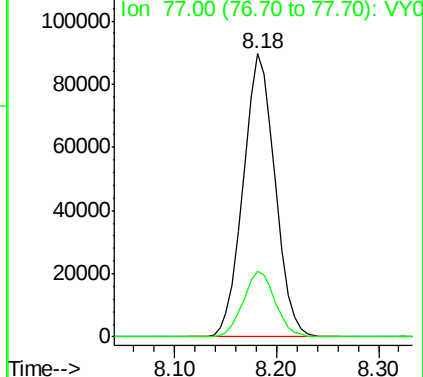


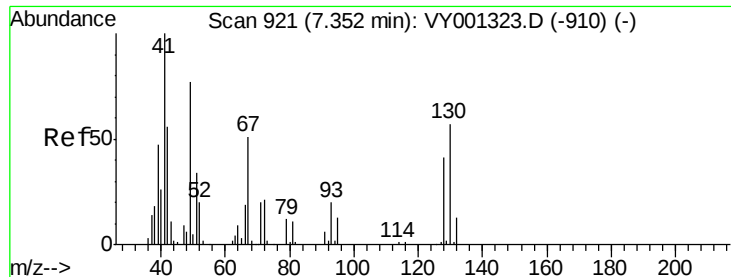
#40
Benzene
Concen: 21.62 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 78 Resp: 195107
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8



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

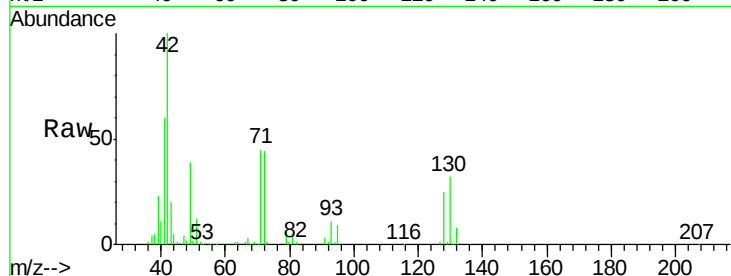




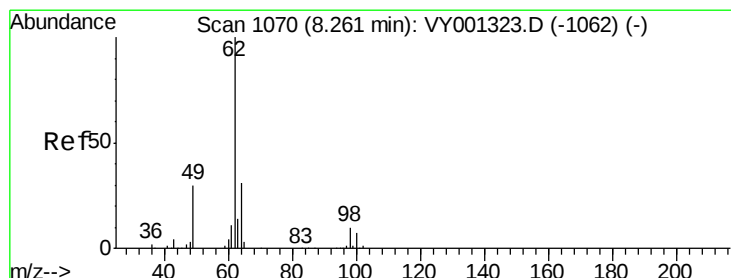
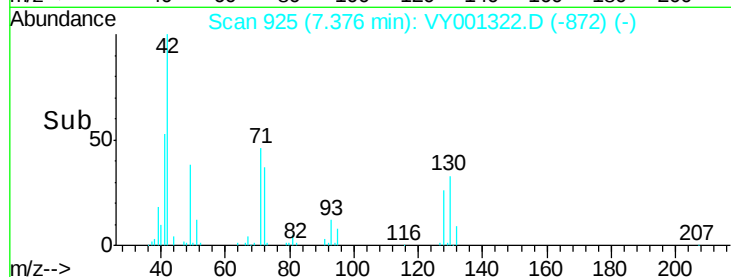
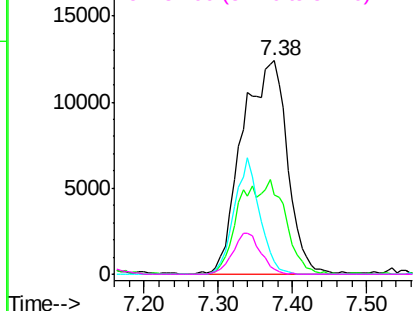
#41
Methacrylonitrile
Concen: 61.29 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.02 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	52751
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

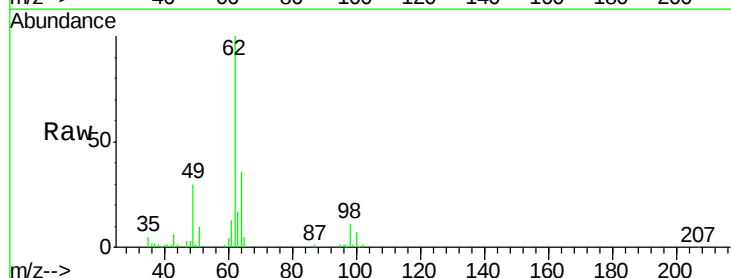


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

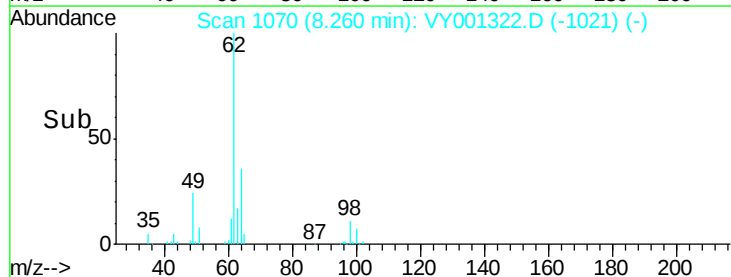
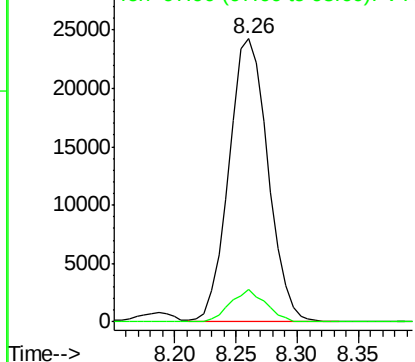


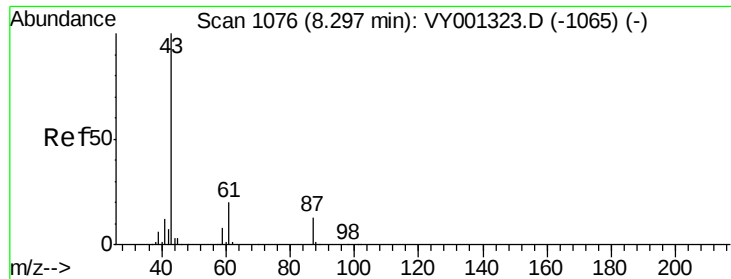
#42
1,2-Dichloroethane
Concen: 21.26 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion:	62	Resp:	53691
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8



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





#43

Isopropyl Acetate

Concen: 21.20 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

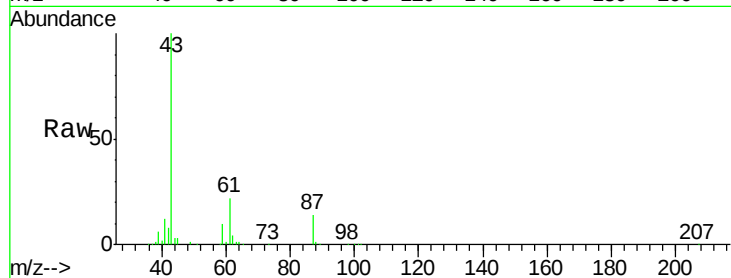
Tgt Ion: 43 Resp: 74252

Ion Ratio Lower Upper

43 100

61 28.3 22.7 34.1

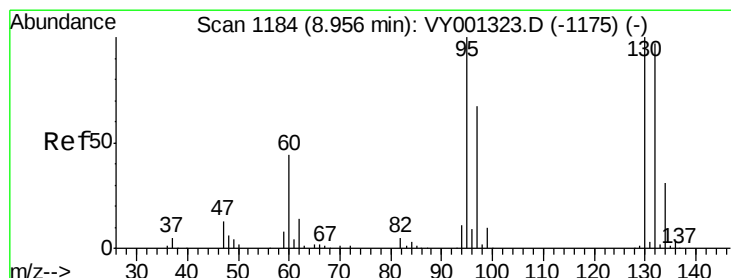
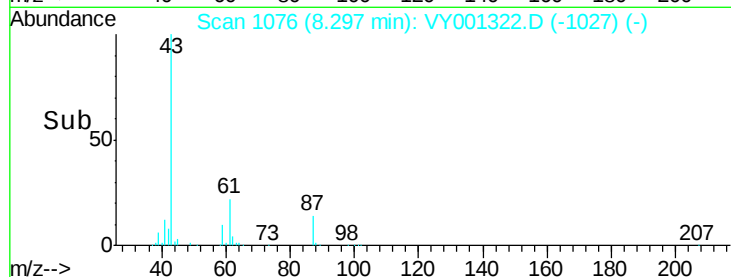
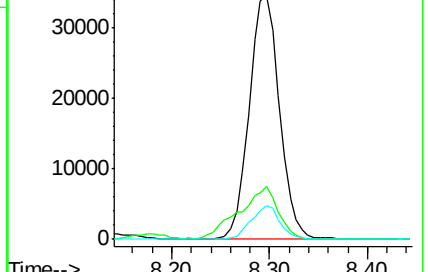
87 13.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY001322.D (-1077) (-)

Ion 61.00 (60.70 to 61.70): VY001322.D (-1077) (-)

Ion 87.00 (86.70 to 87.70): VY001322.D (-1077) (-)



#44

Trichloroethene

Concen: 21.80 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VY001322.D

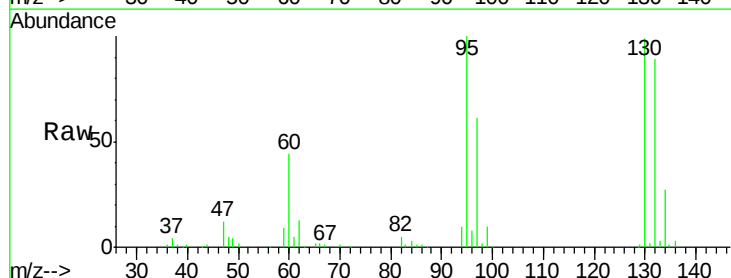
Acq: 21 Jan 2020 15:25

Tgt Ion: 130 Resp: 50870

Ion Ratio Lower Upper

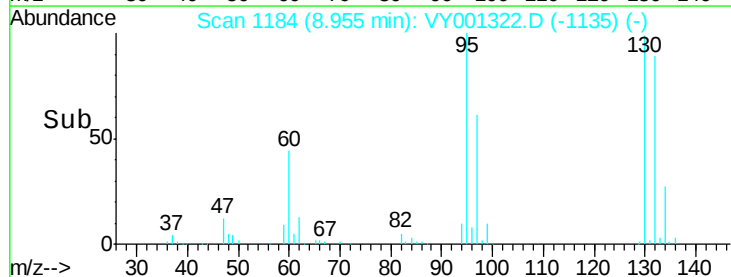
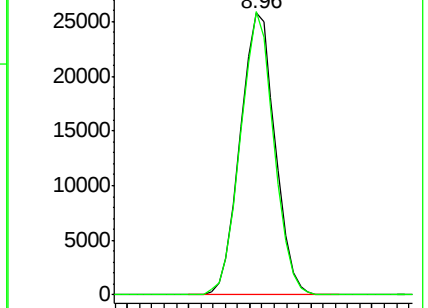
130 100

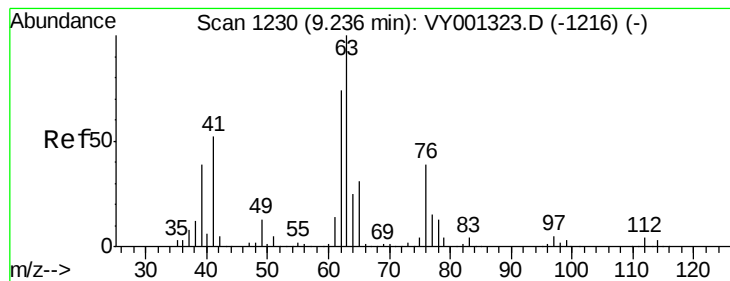
95 100.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VY001322.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY001322.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 21.32 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

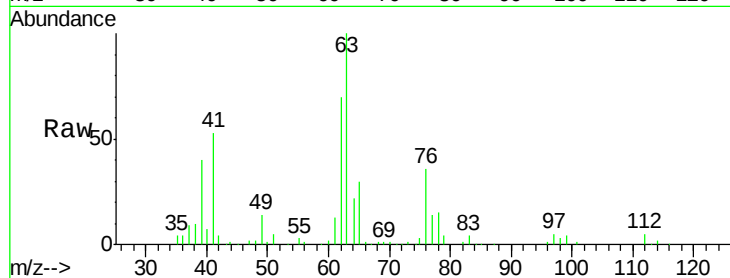
VSTDIC020

Tgt Ion: 63 Resp: 47842

Ion Ratio Lower Upper

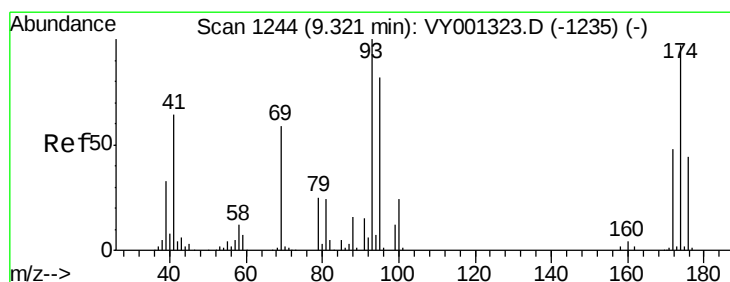
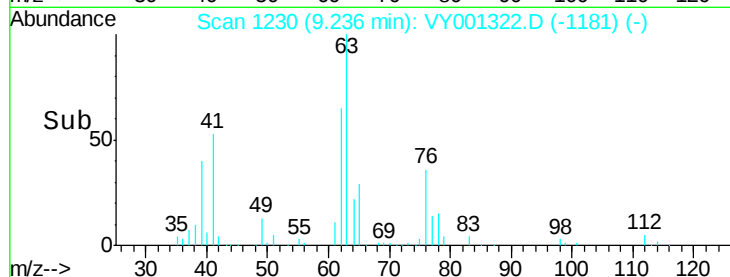
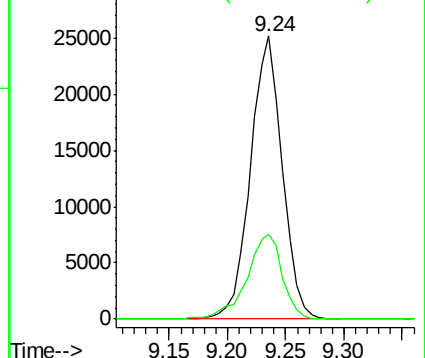
63 100

65 30.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.39 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

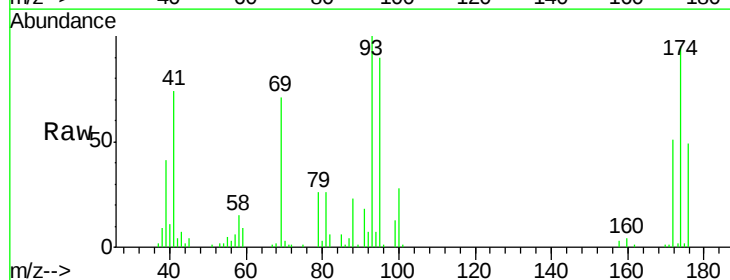
Tgt Ion: 93 Resp: 26025

Ion Ratio Lower Upper

93 100

95 84.6 66.5 99.7

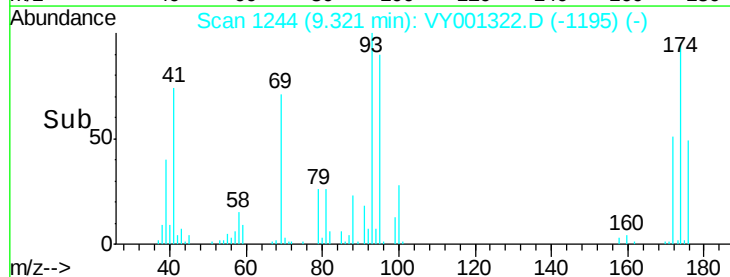
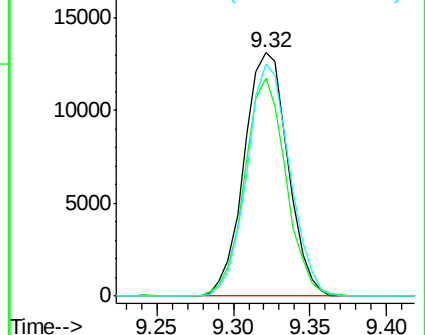
174 93.3 77.9 116.9

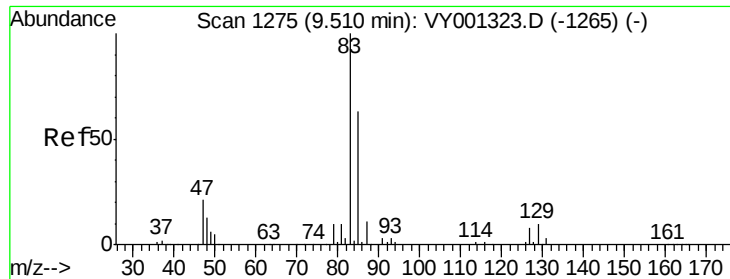


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 20.88 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

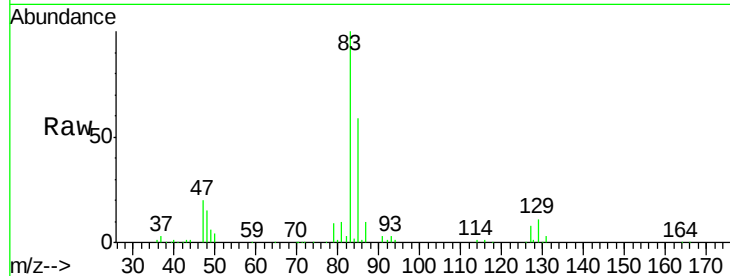
Tgt Ion: 83 Resp: 61768

Ion Ratio Lower Upper

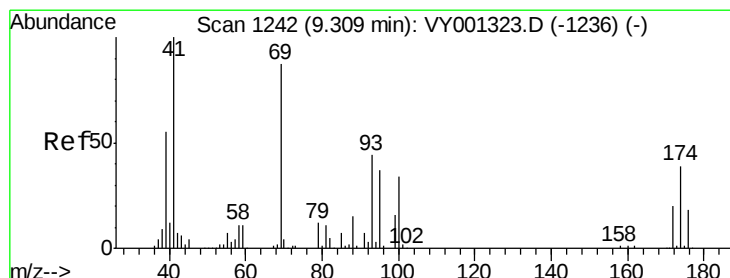
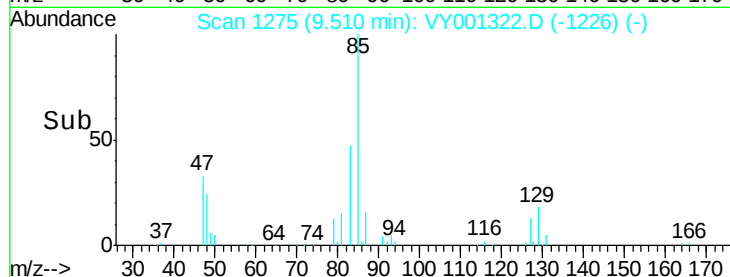
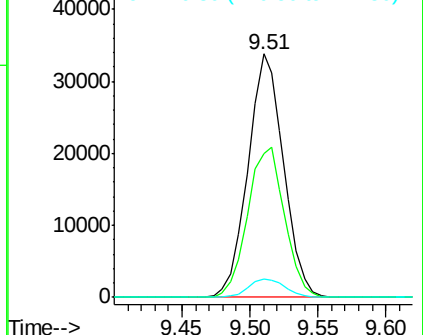
83 100

85 58.8 50.2 75.2

127 7.8 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.83 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

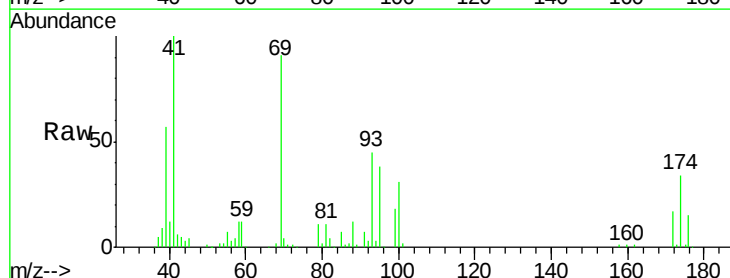
Tgt Ion: 41 Resp: 33538

Ion Ratio Lower Upper

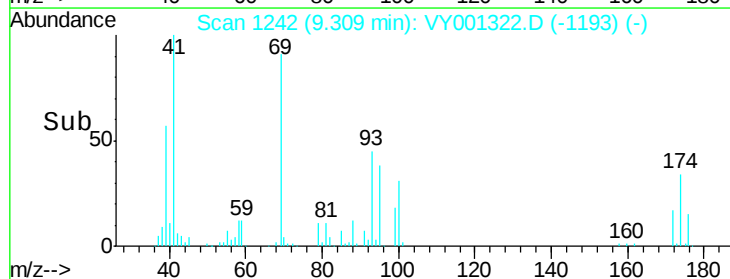
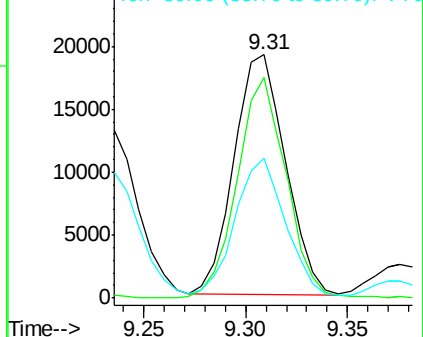
41 100

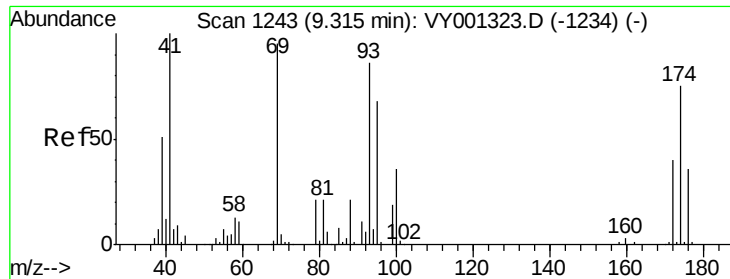
69 87.5 70.2 105.4

39 58.1 45.7 68.5



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





#49

1,4-Dioxane

Concen: 458.86 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

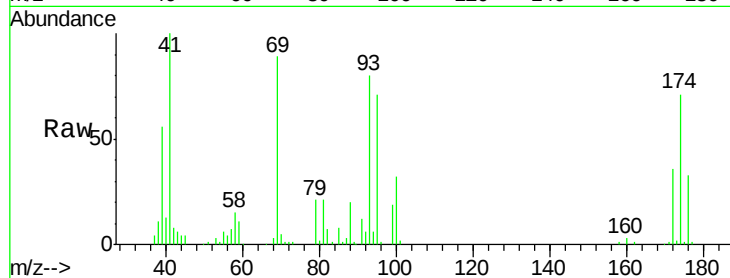
Tgt Ion: 88 Resp: 6895

Ion Ratio Lower Upper

88 100

43 32.7 28.2 42.2

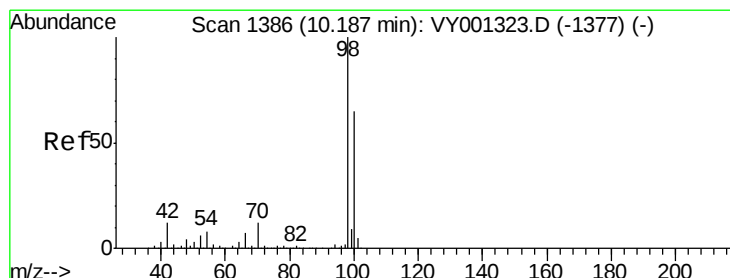
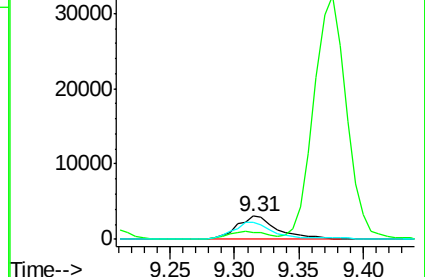
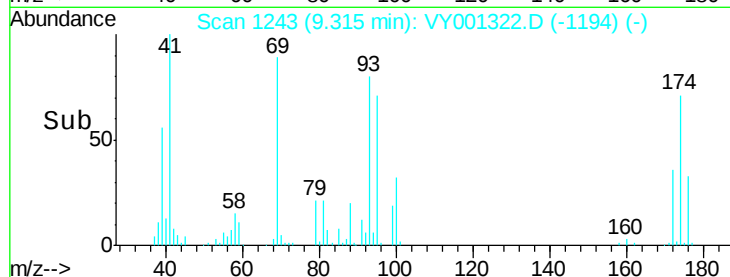
58 78.5 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VY001322.D (-1194) (-)

Ion 43.00 (42.70 to 43.70): VY001322.D (-1194) (-)

Ion 58.00 (57.70 to 58.70): VY001322.D (-1194) (-)



#50

Toluene-d8

Concen: 18.60 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001322.D

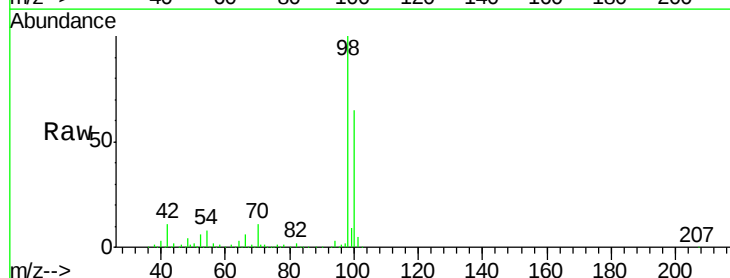
Acq: 21 Jan 2020 15:25

Tgt Ion: 98 Resp: 140924

Ion Ratio Lower Upper

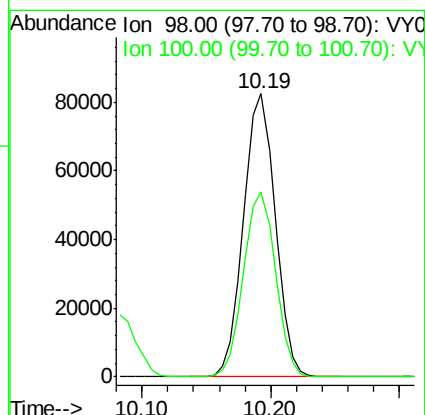
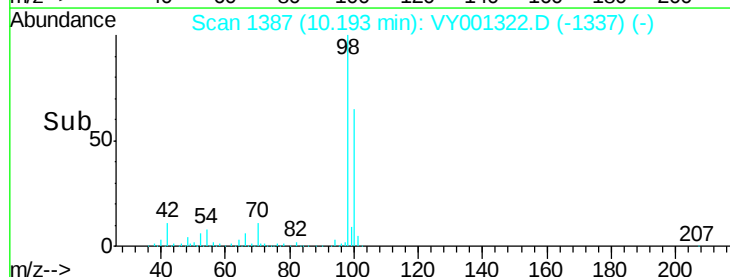
98 100

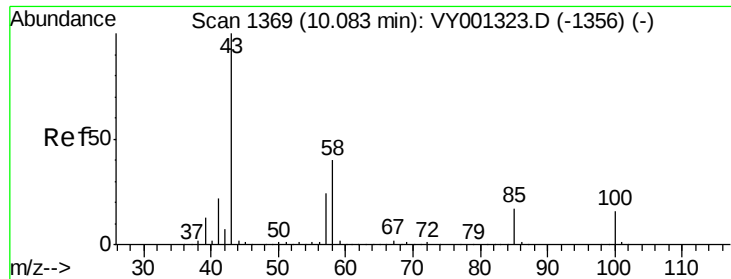
100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001322.D (-1337) (-)

Ion 100.00 (99.70 to 100.70): VY001322.D (-1337) (-)





#51

4-Methyl-2-Pentanone

Concen: 105.95 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

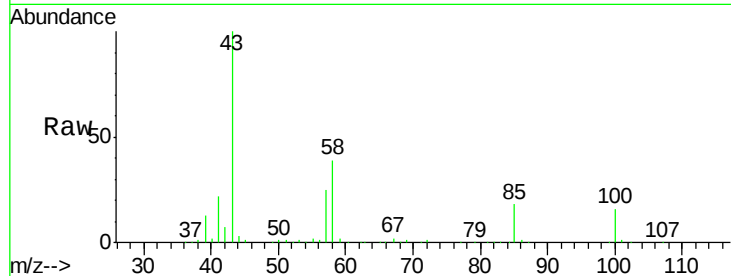
VSTDIC020

Tgt Ion: 43 Resp: 188421

Ion Ratio Lower Upper

43 100

58 39.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

120000

100000

80000

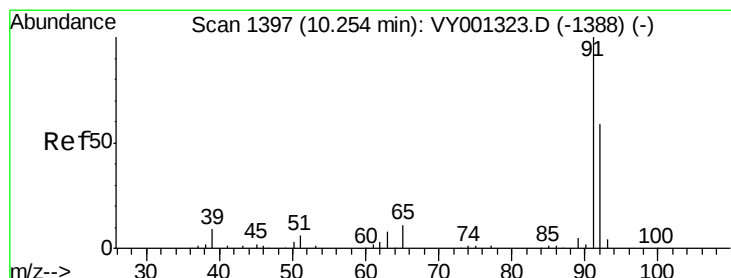
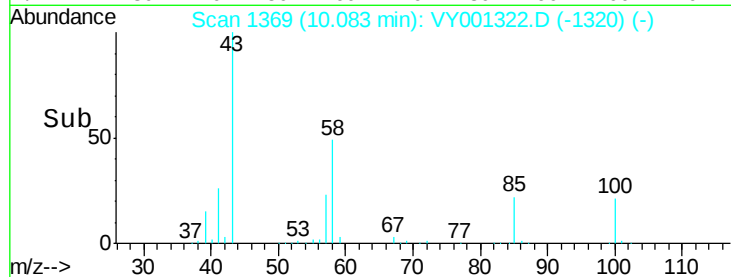
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.29 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY001322.D

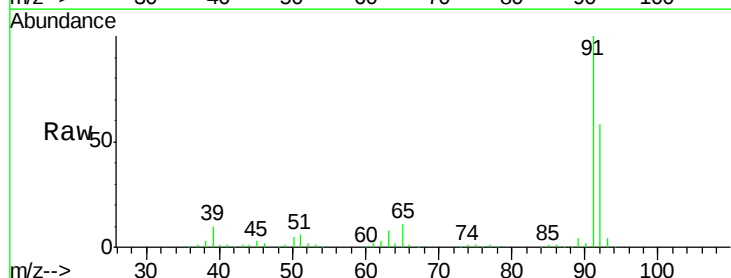
Acq: 21 Jan 2020 15:25

Tgt Ion: 92 Resp: 122192

Ion Ratio Lower Upper

92 100

91 169.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

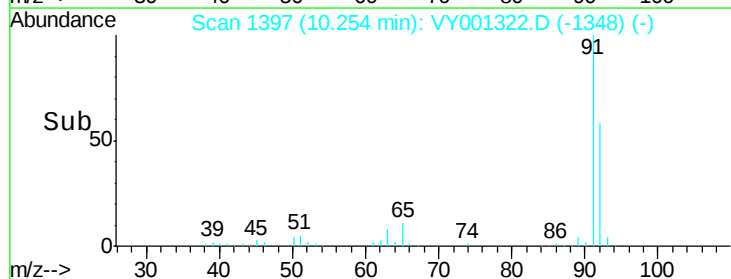
10.25

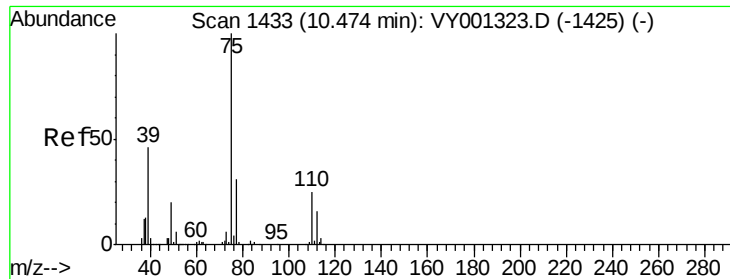
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.40 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

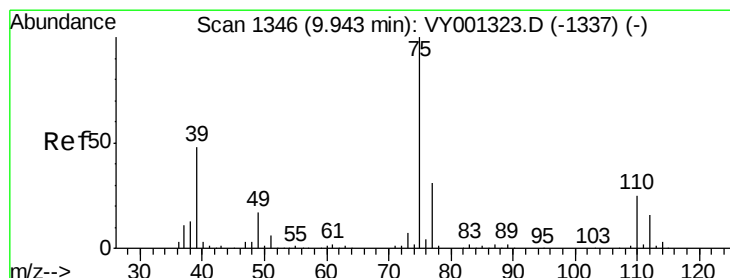
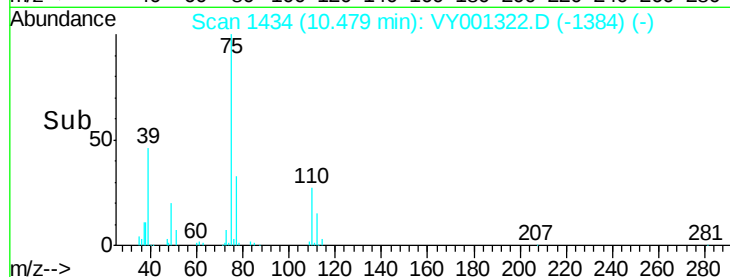
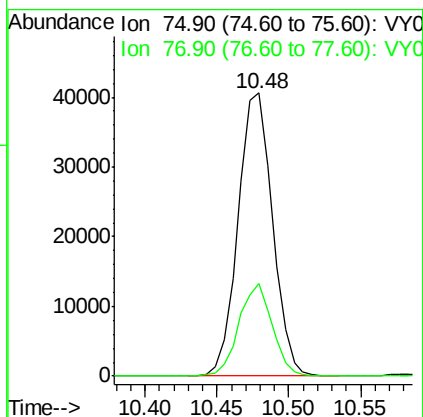
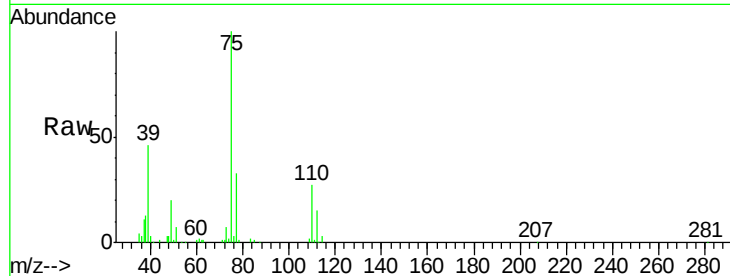
VSTDIC020

Tgt Ion: 75 Resp: 67586

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 21.03 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

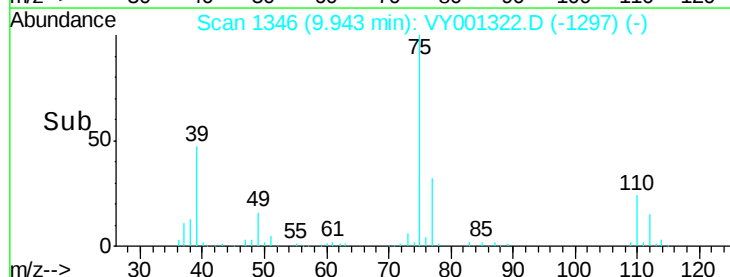
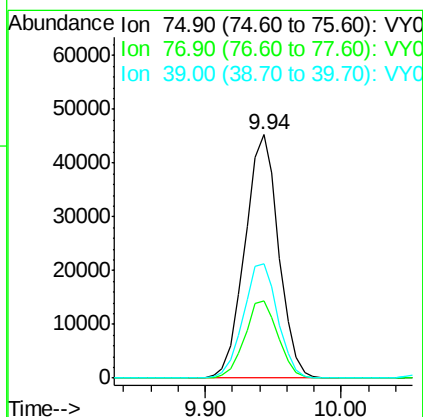
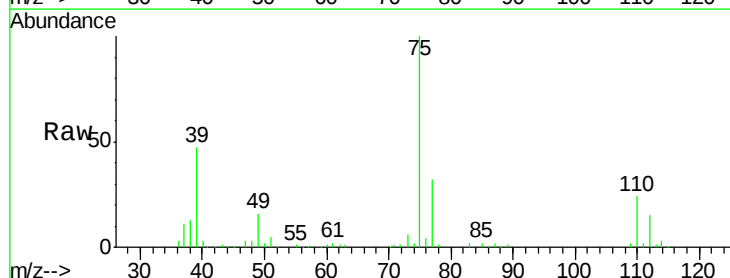
Tgt Ion: 75 Resp: 78637

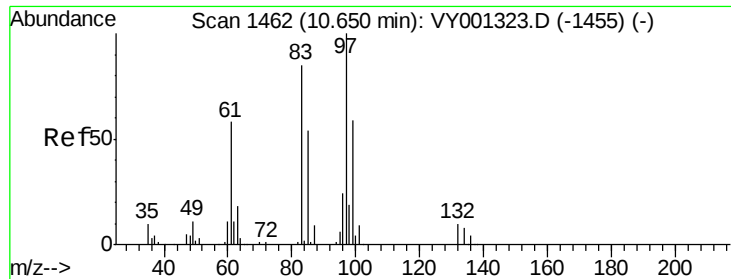
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 47.0 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 20.90 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 37823

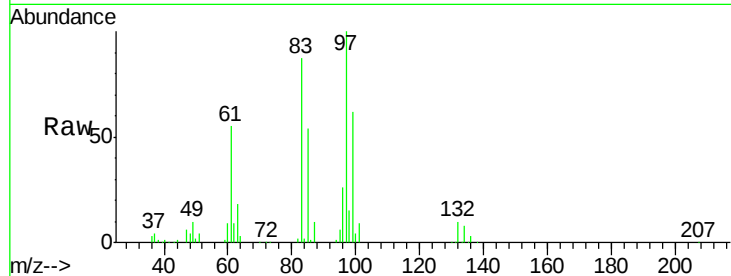
Ion Ratio Lower Upper

97 100

83 87.4 68.0 102.0

85 53.8 43.6 65.4

99 61.8 47.1 70.7

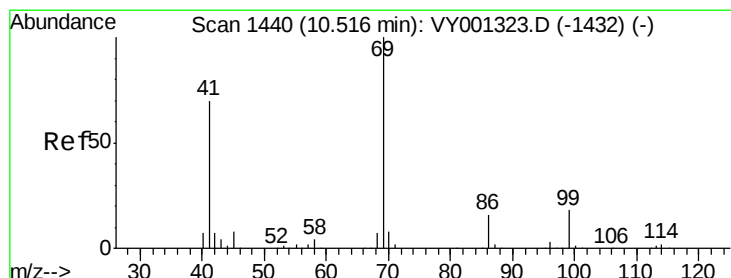
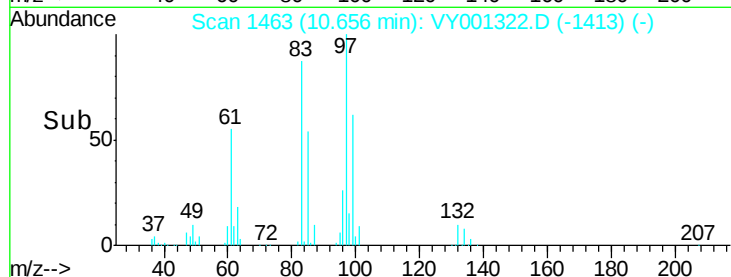
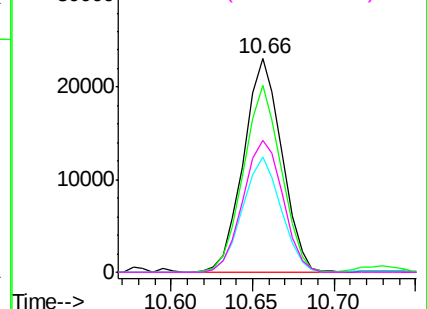


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 20.29 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

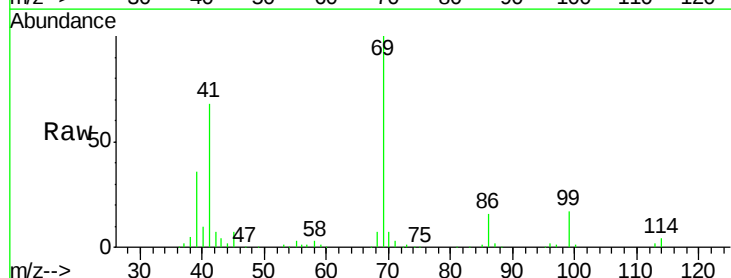
Tgt Ion: 69 Resp: 56003

Ion Ratio Lower Upper

69 100

41 66.6 54.1 81.1

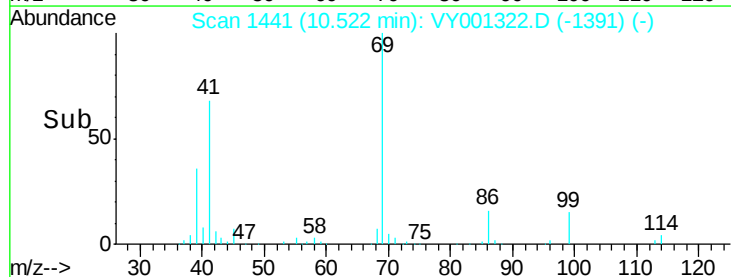
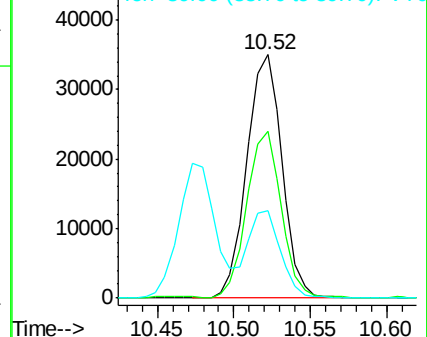
39 34.9 26.8 40.2

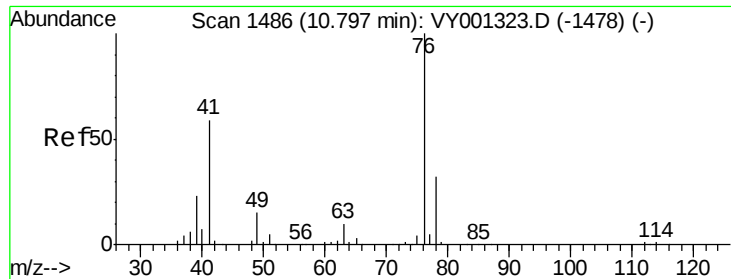


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

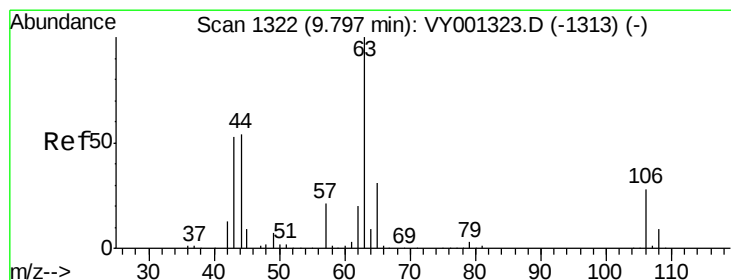
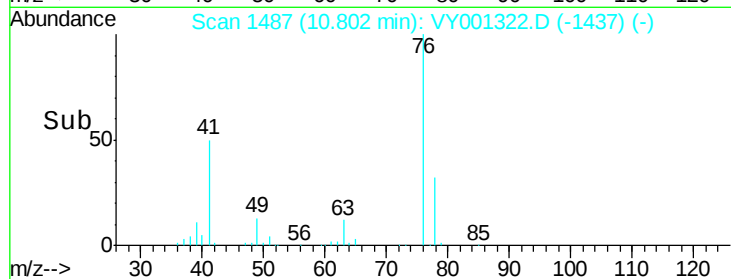
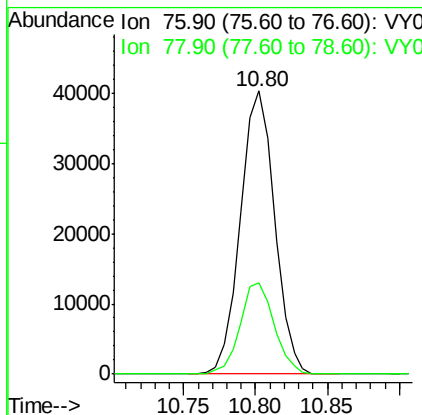
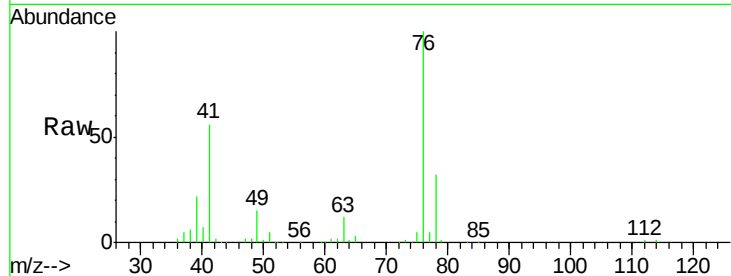




#57
 1,3-Dichloropropane
 Concen: 21.36 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

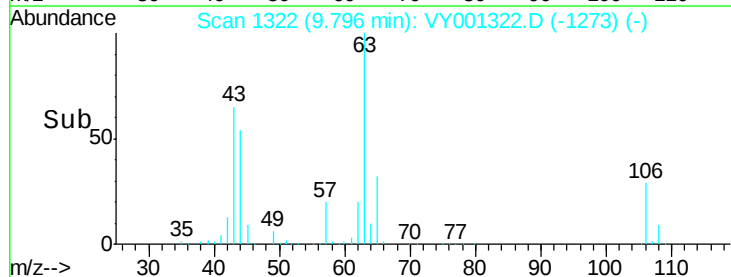
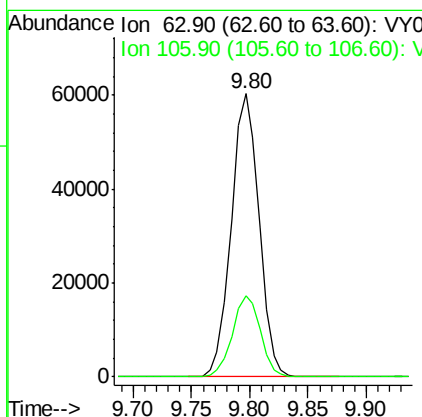
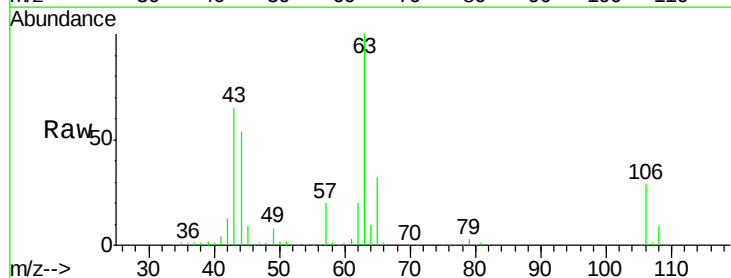
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

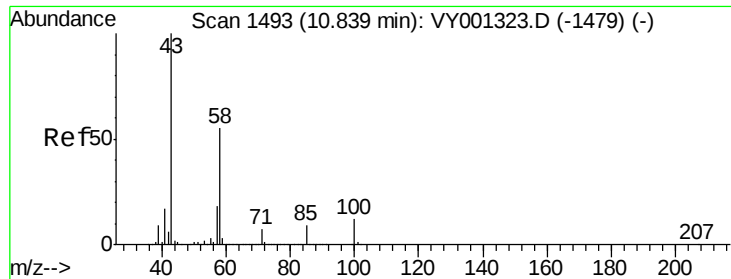
Tgt Ion: 76 Resp: 66331
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.40 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion: 63 Resp: 100186
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.5 33.7

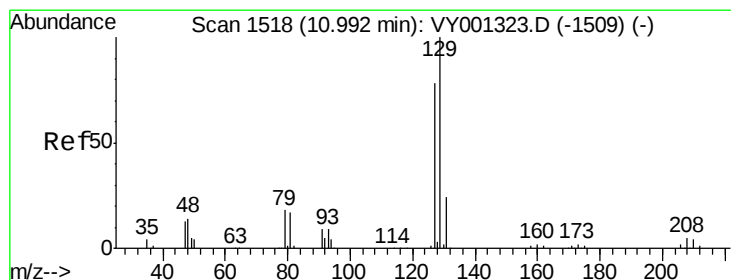
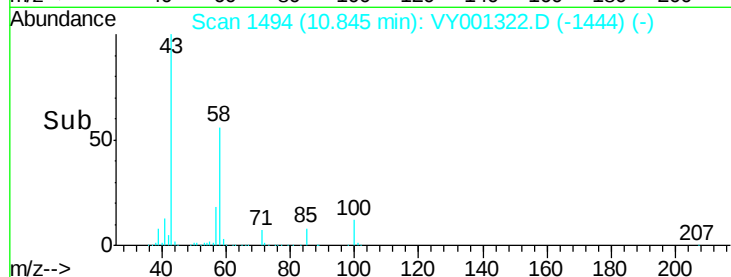
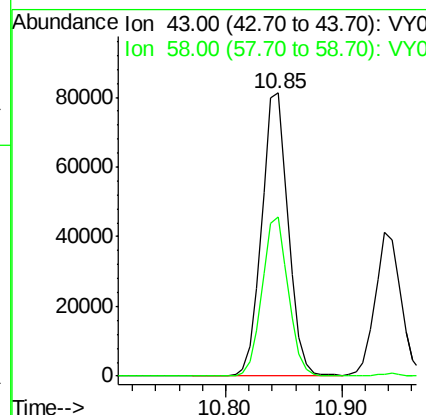
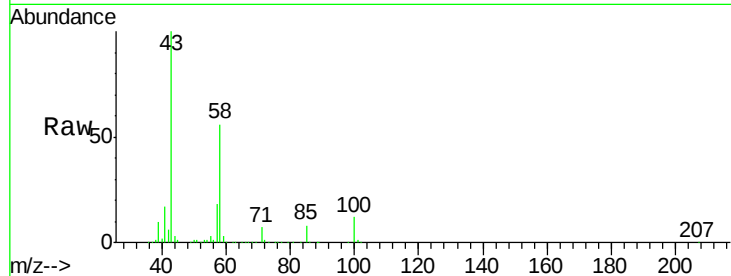




#59
2-Hexanone
Concen: 103.82 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

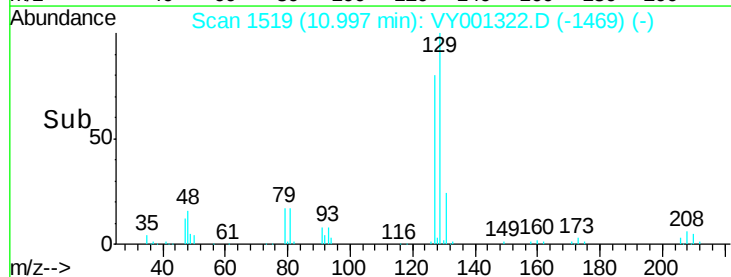
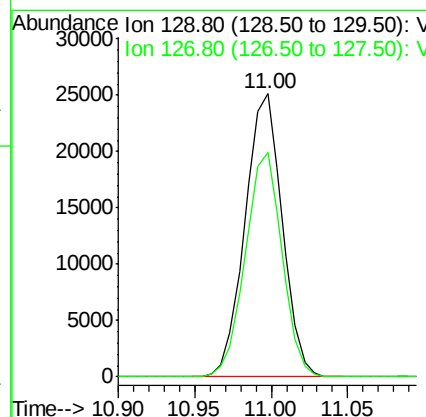
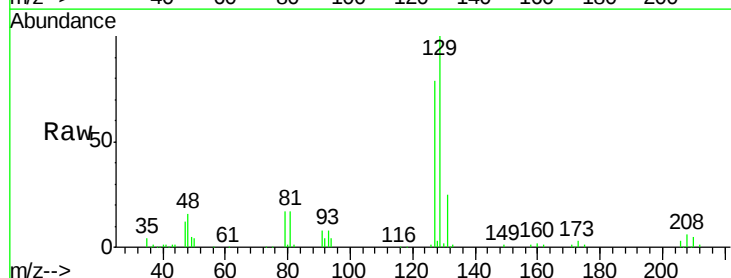
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

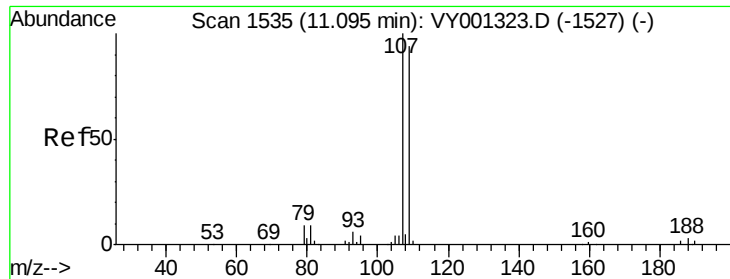
Tgt Ion: 43 Resp: 129470
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.8



#60
Dibromochloromethane
Concen: 20.59 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 129 Resp: 42544
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.4

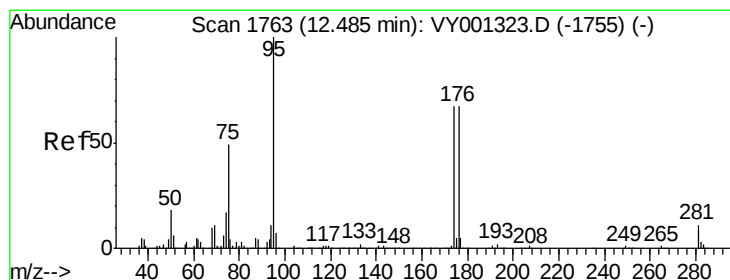
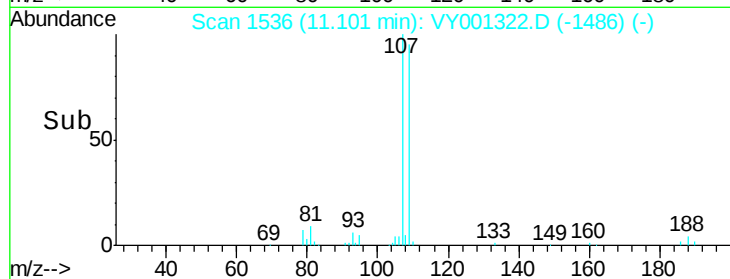
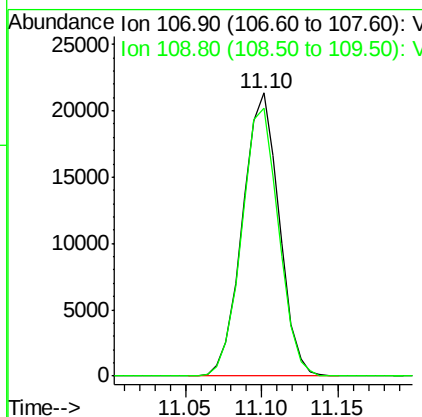
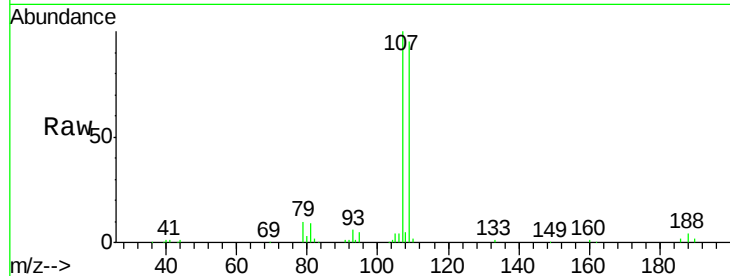




#61
 1,2-Dibromoethane
 Concen: 20.16 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

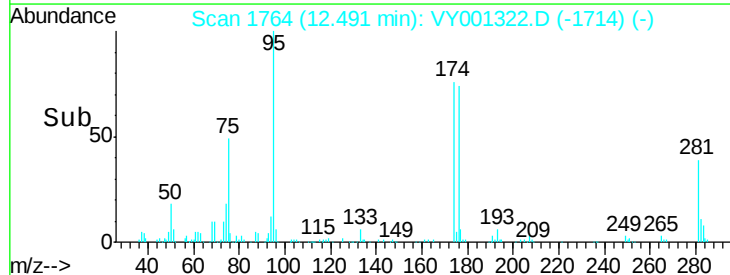
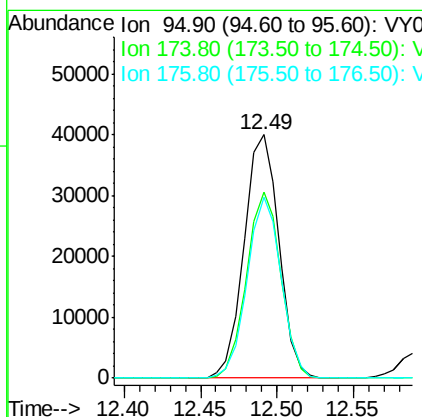
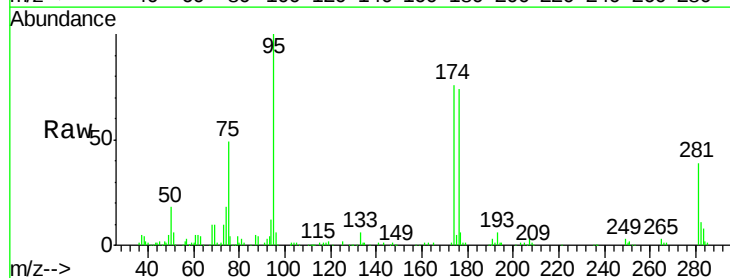
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

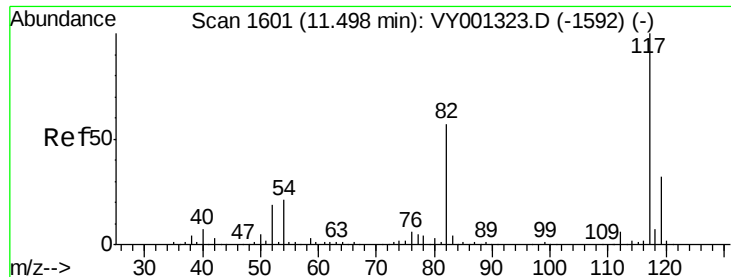
Tgt Ion: 107 Resp: 35439
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 20.43 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion: 95 Resp: 63139
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 142.0
 176 72.7 0.0 138.6

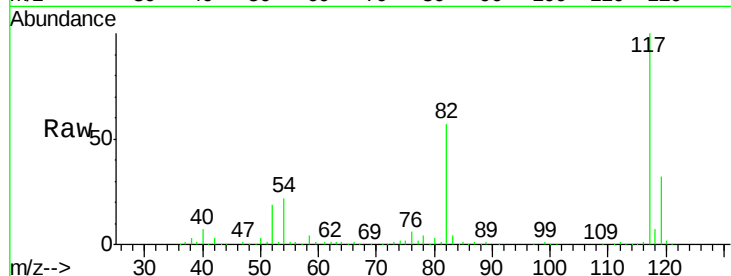




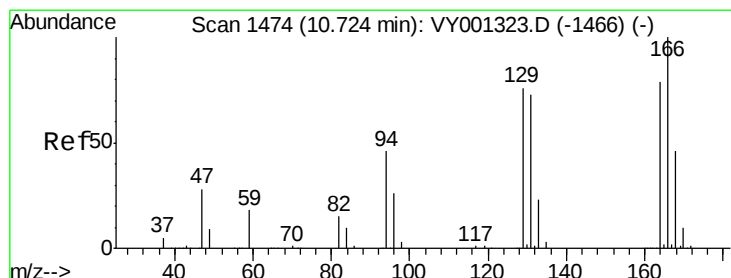
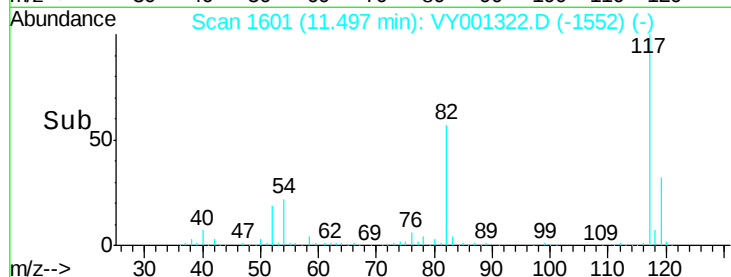
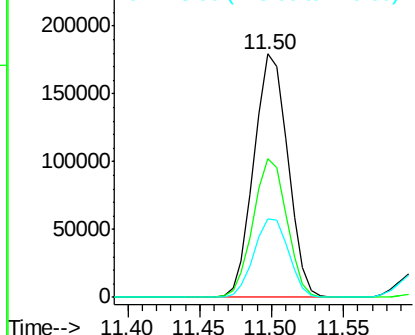
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 293775
Ion Ratio Lower Upper
117 100
82 56.8 45.5 68.3
119 32.0 25.8 38.6

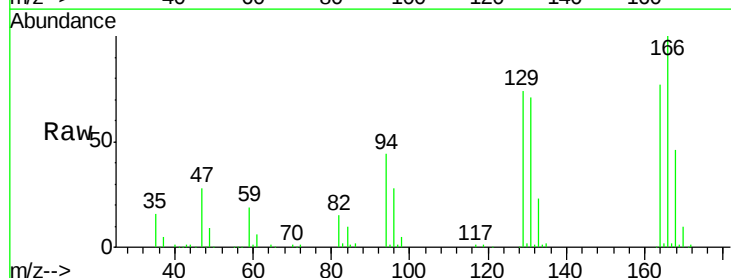


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

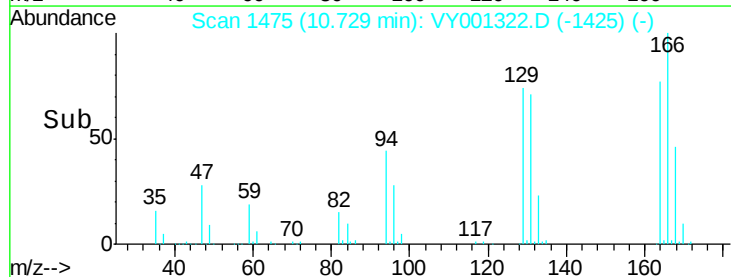
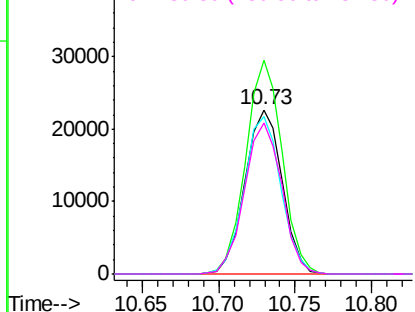


#64
Tetrachloroethene
Concen: 20.40 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion:164 Resp: 38313
Ion Ratio Lower Upper
164 100
166 129.8 101.8 152.8
129 95.6 77.1 115.7
131 91.6 74.2 111.2



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

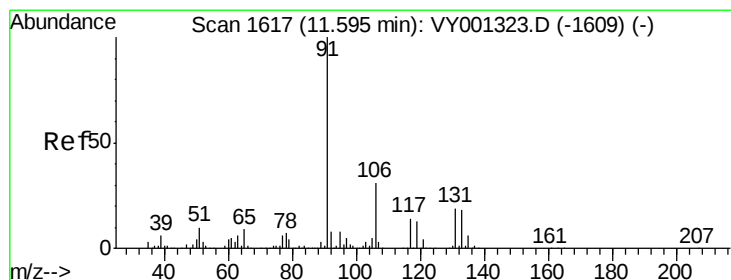
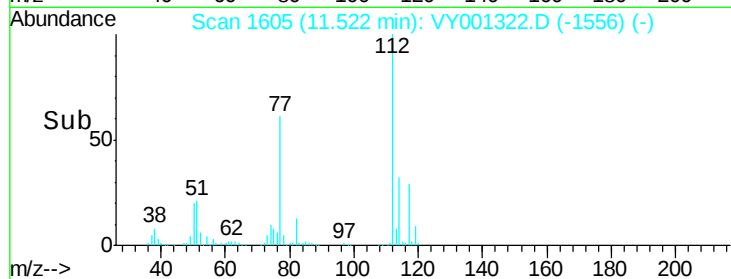
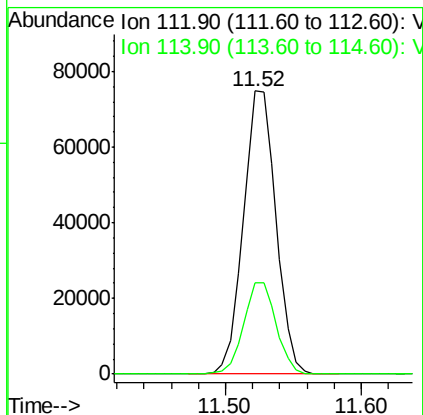
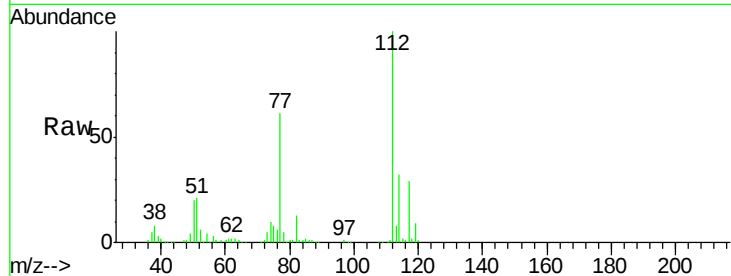




#65
Chlorobenzene
Concen: 21.25 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

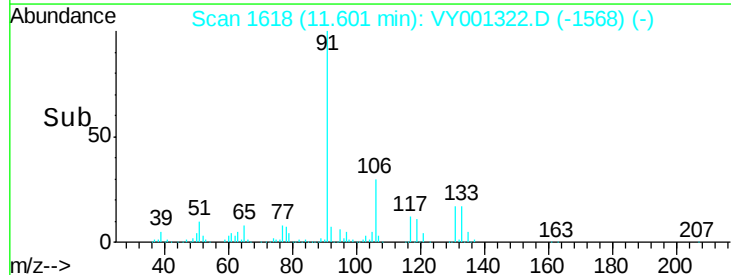
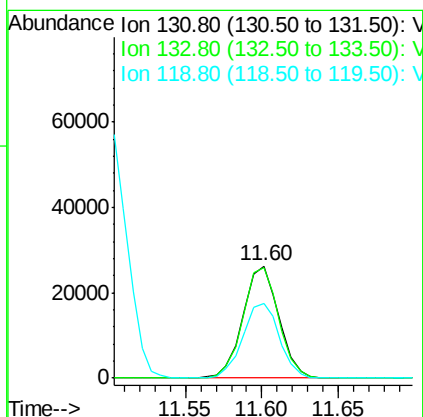
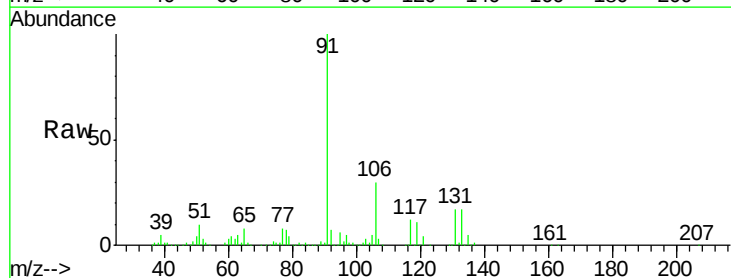
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

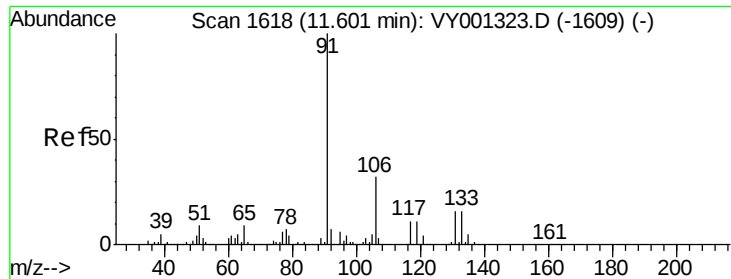
Tgt Ion:112 Resp: 125444
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.10 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion:131 Resp: 42887
Ion Ratio Lower Upper
131 100
133 97.8 47.1 141.3
119 68.4 34.1 102.2

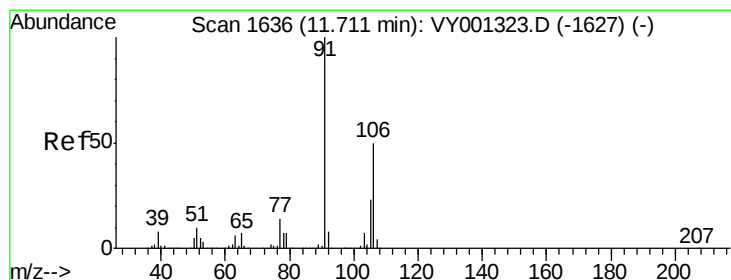
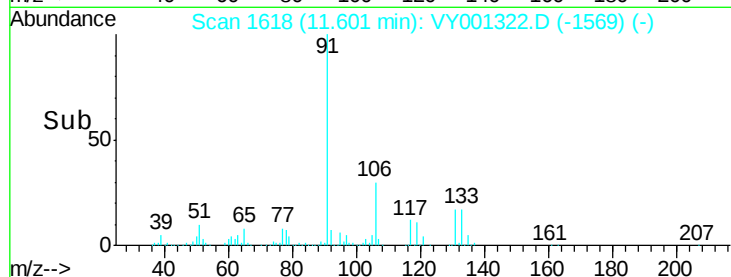
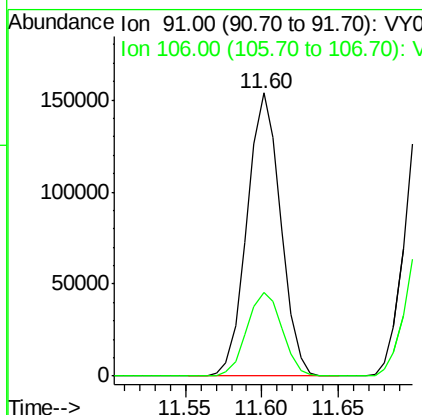
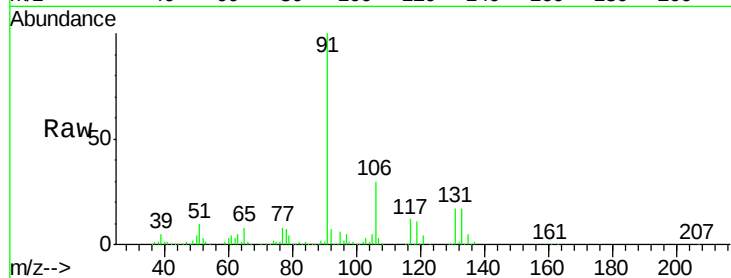




#67
Ethyl Benzene
Concen: 21.78 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

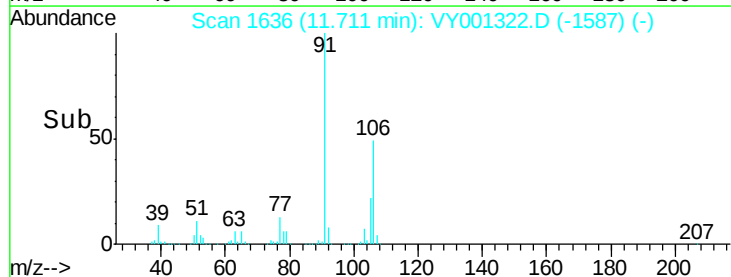
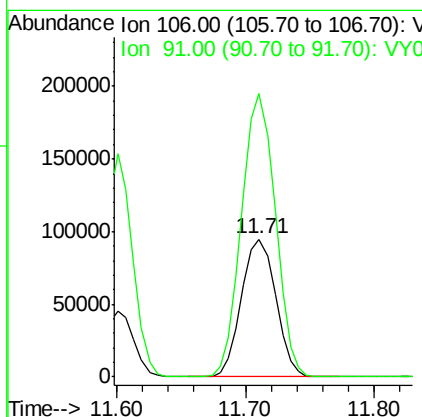
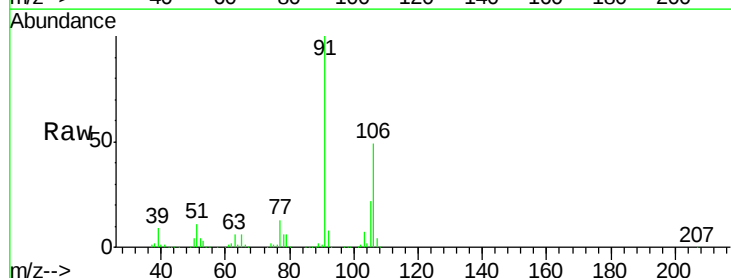
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

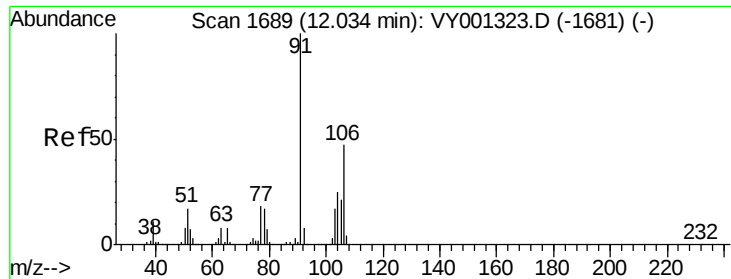
Tgt Ion: 91 Resp: 235408
Ion Ratio Lower Upper
91 100
106 29.6 25.4 38.0



#68
m/p-Xylenes
Concen: 43.16 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 106 Resp: 175458
Ion Ratio Lower Upper
106 100
91 202.3 162.8 244.2

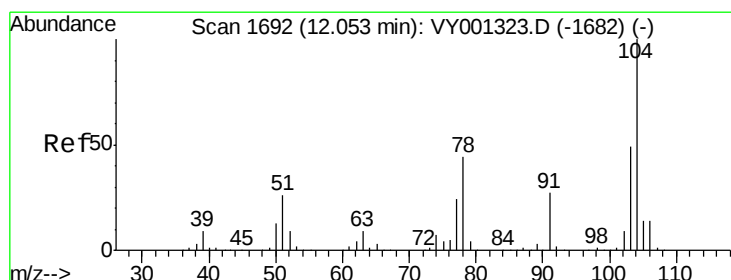
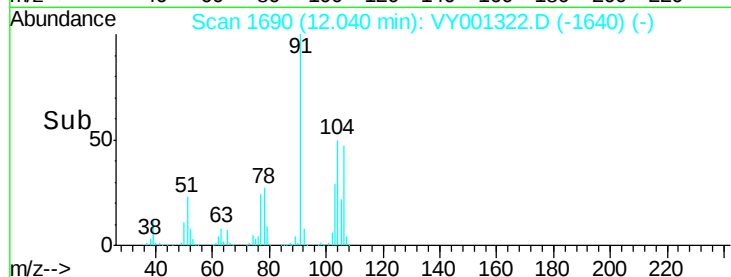
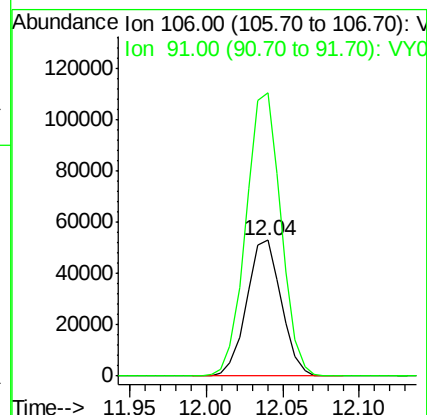
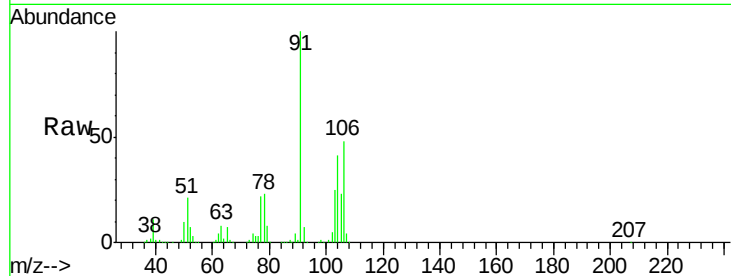




#69
o-Xylene
Concen: 21.37 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

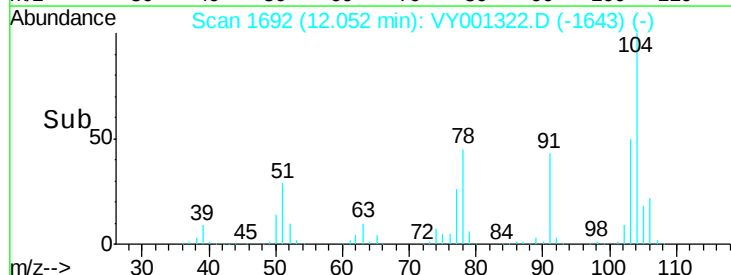
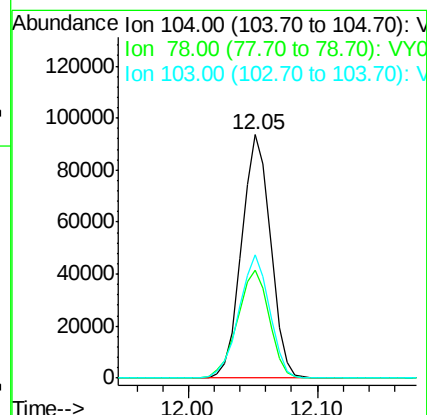
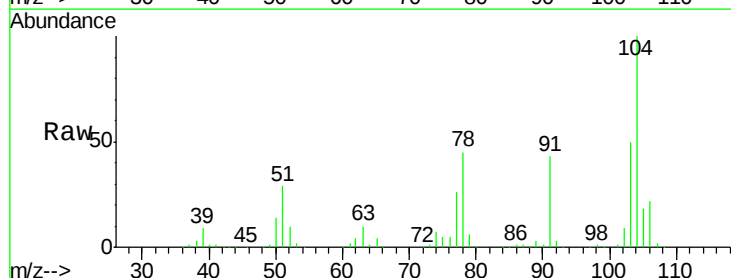
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

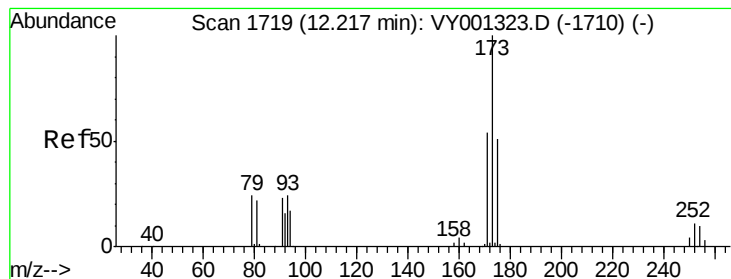
Tgt Ion:106 Resp: 83530
Ion Ratio Lower Upper
106 100
91 210.2 106.3 319.0



#70
Styrene
Concen: 21.28 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion:104 Resp: 145802
Ion Ratio Lower Upper
104 100
78 48.7 39.8 59.8
103 53.5 43.2 64.8





#71

Bromoform

Concen: 20.25 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

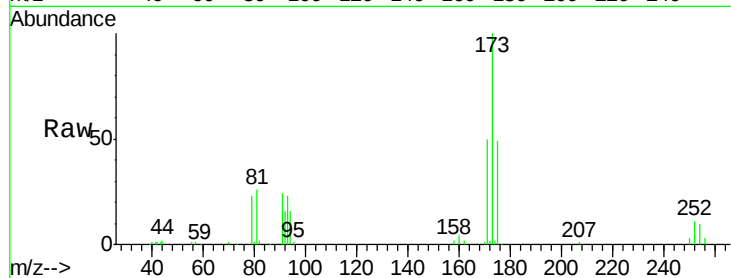
Tgt Ion:173 Resp: 25200

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.9

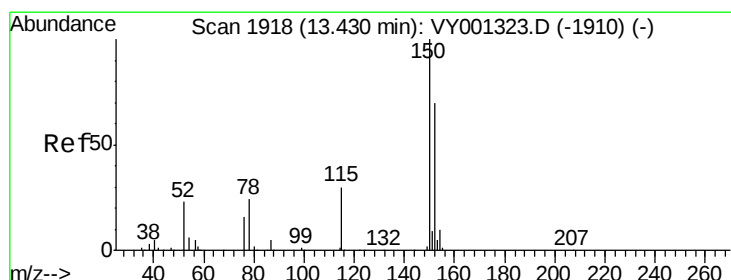
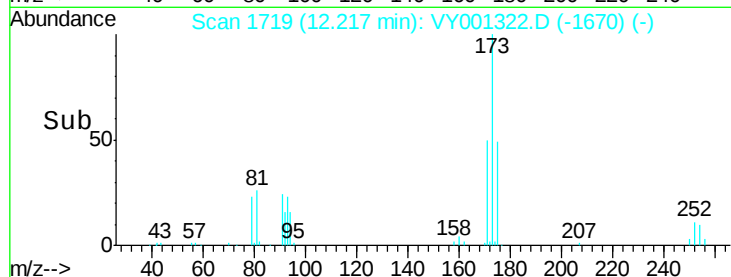
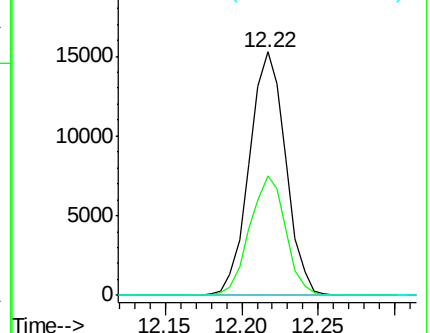
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

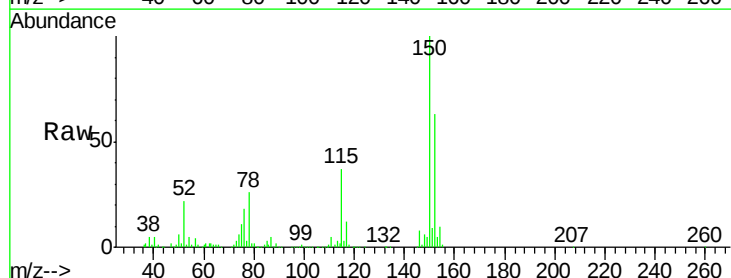
Tgt Ion:152 Resp: 141283

Ion Ratio Lower Upper

152 100

115 59.5 30.9 92.8

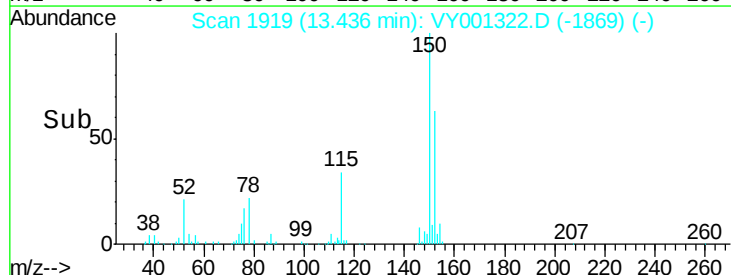
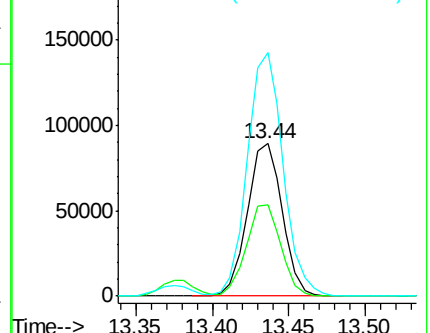
150 164.0 0.0 349.2

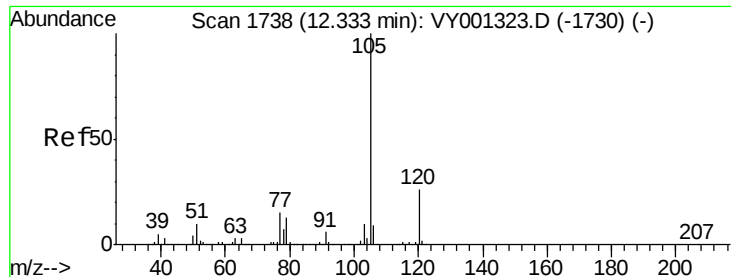


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.73 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

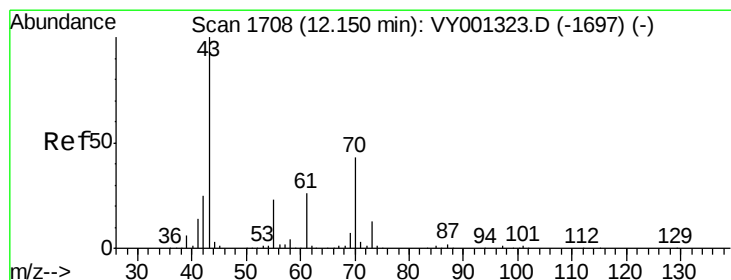
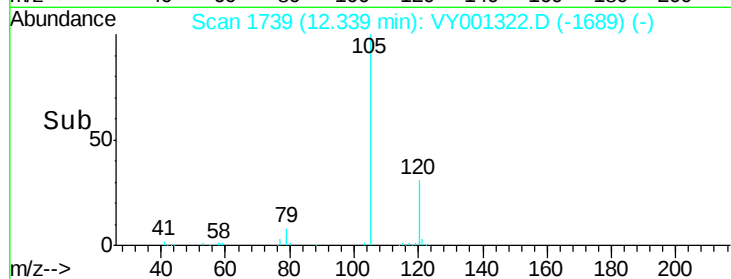
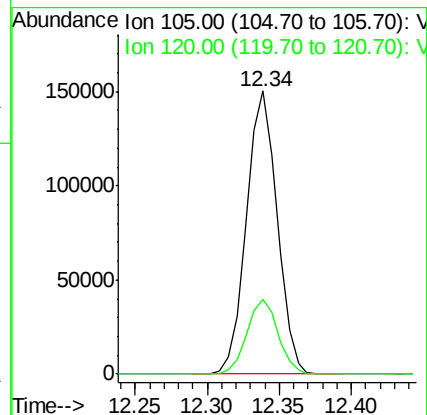
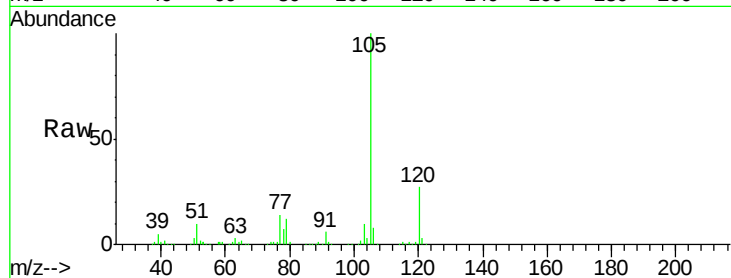
VSTDIC020

Tgt Ion: 105 Resp: 221573

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



#74

N-ethyl acetate

Concen: 20.87 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Tgt Ion: 43 Resp: 70255

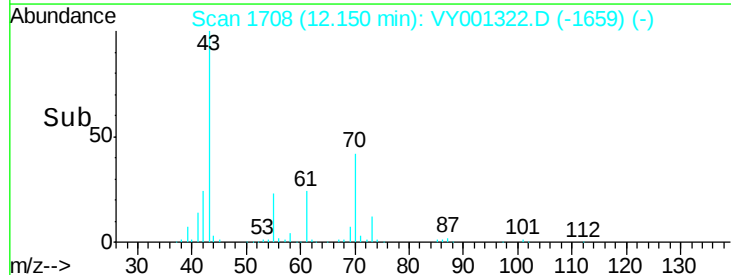
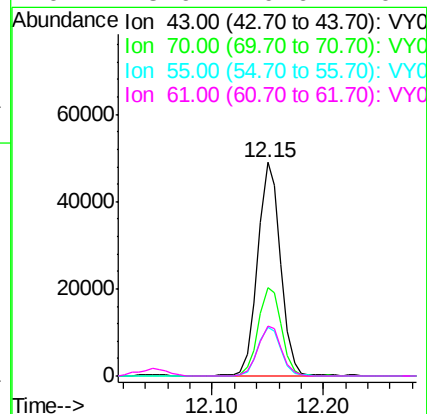
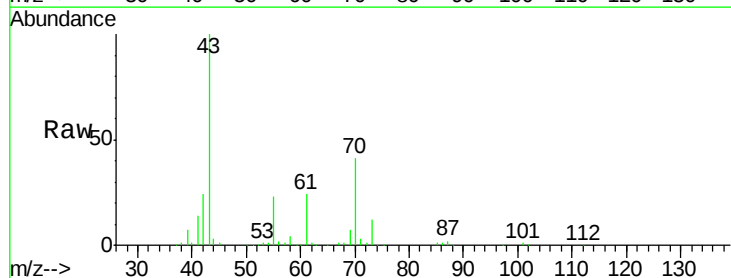
Ion Ratio Lower Upper

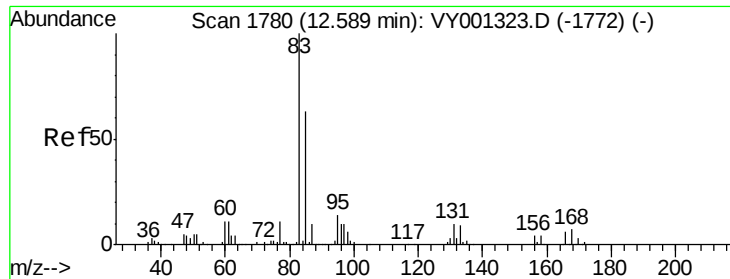
43 100

70 42.0 33.5 50.3

55 23.2 18.2 27.2

61 23.9 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.21 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

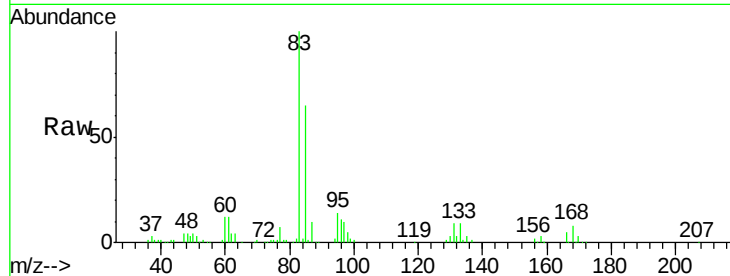
Tgt Ion: 83 Resp: 45797

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.6

85 65.0 31.4 94.3

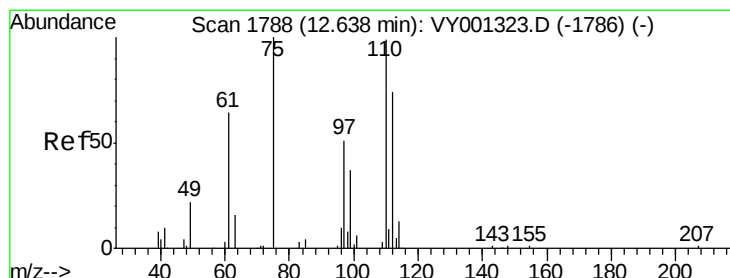
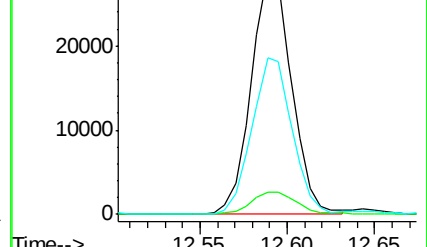
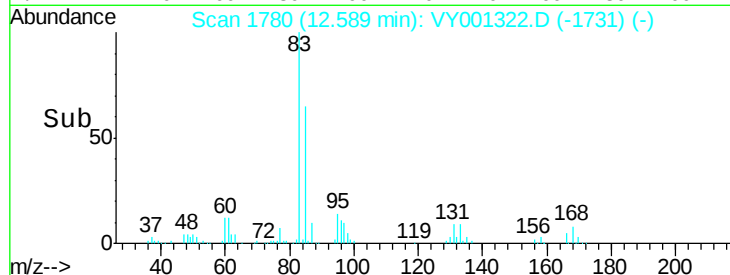


Abundance Ion 82.90 (82.60 to 83.60): VY001322.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY001322.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY001322.D (-1731) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 38.36 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY001322.D

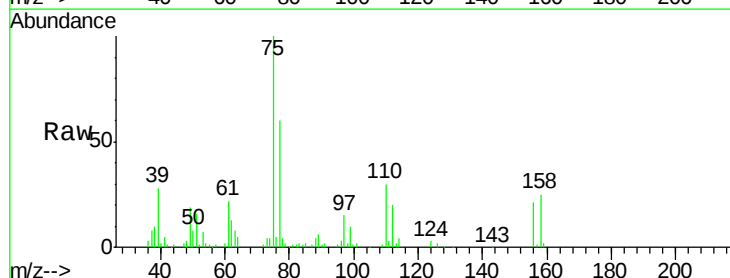
Acq: 21 Jan 2020 15:25

Tgt Ion: 75 Resp: 59928

Ion Ratio Lower Upper

75 100

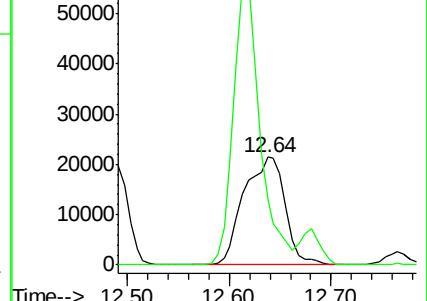
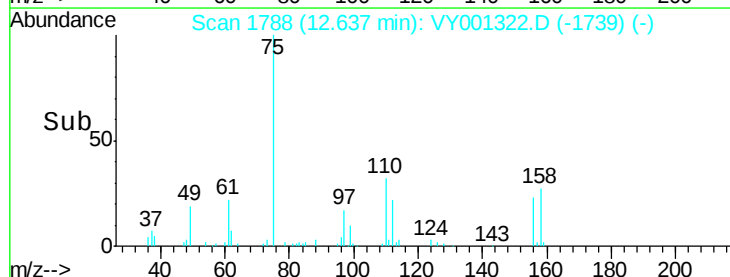
77 170.0 0.0 0.0#

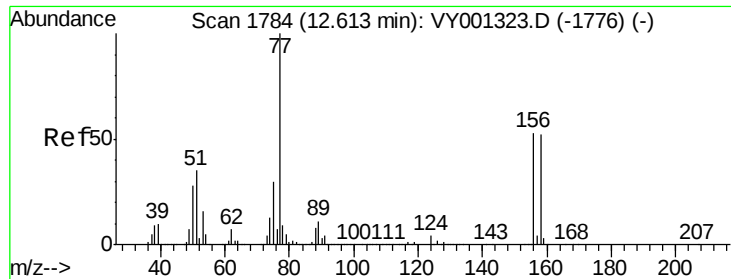


Abundance Ion 74.90 (74.60 to 75.60): VY001322.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY001322.D (-1739) (-)

Time-->

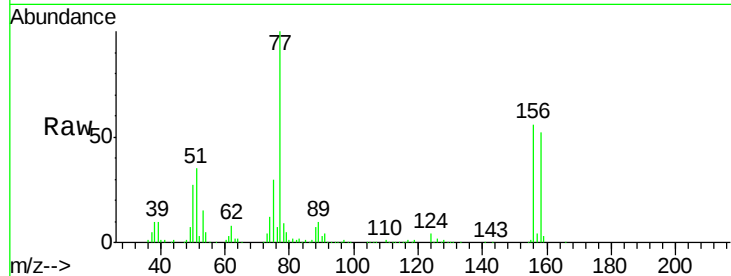




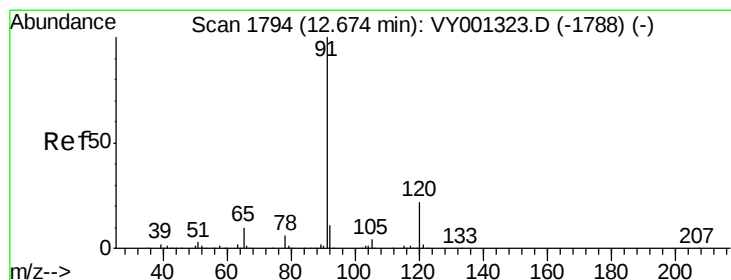
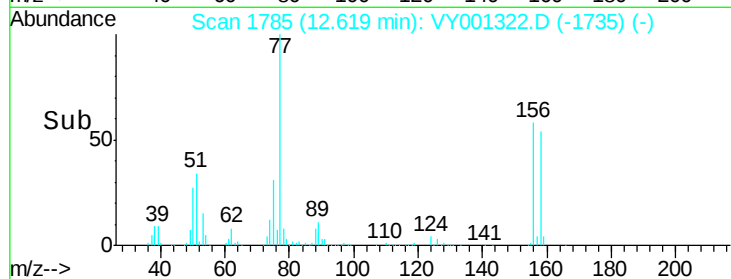
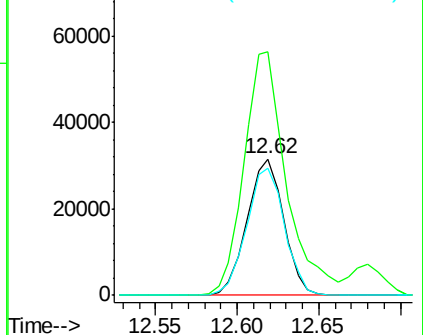
#77
Bromobenzene
Concen: 20.90 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:156 Resp: 49386
Ion Ratio Lower Upper
156 100
77 206.2 104.7 313.9
158 96.3 48.6 145.8

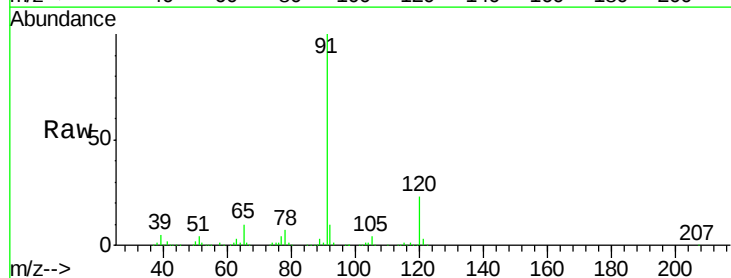


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

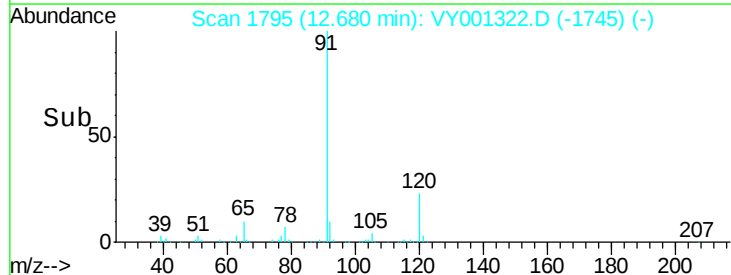
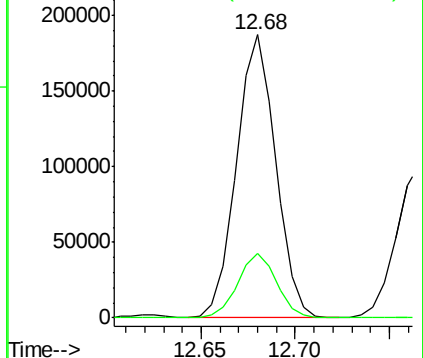


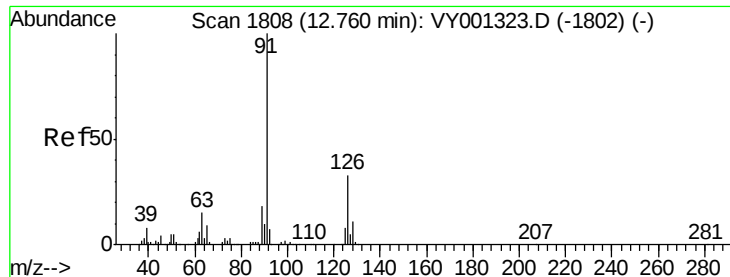
#78
n-propylbenzene
Concen: 20.91 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.01 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 91 Resp: 269059
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.64 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

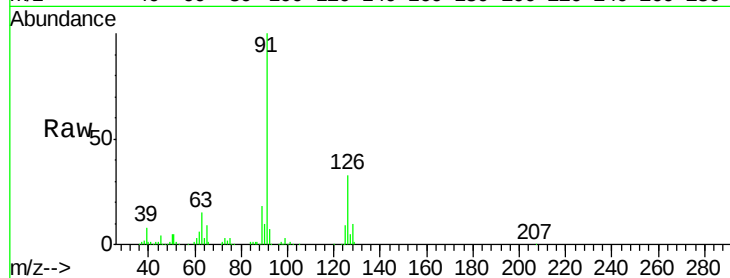
VSTDIC020

Tgt Ion: 91 Resp: 152216

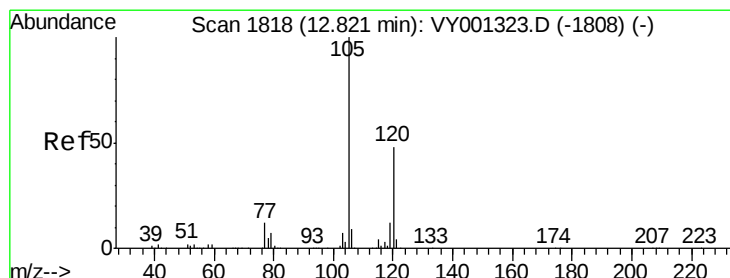
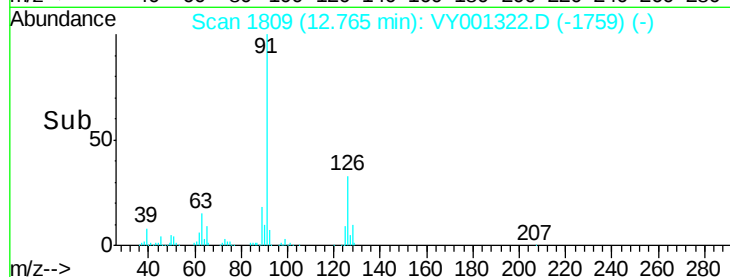
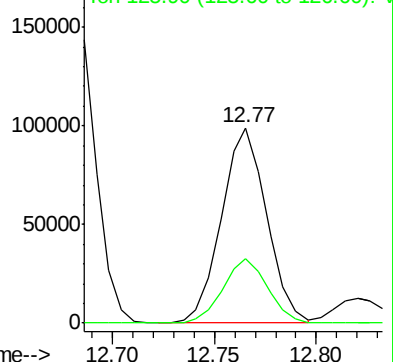
Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VY001323.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.84 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001322.D

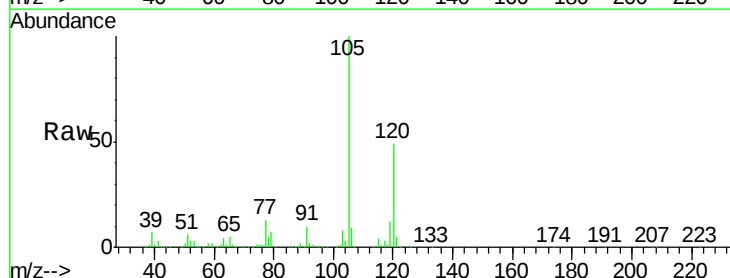
Acq: 21 Jan 2020 15:25

Tgt Ion: 105 Resp: 185494

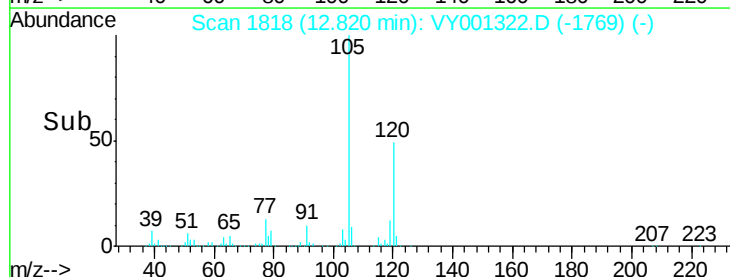
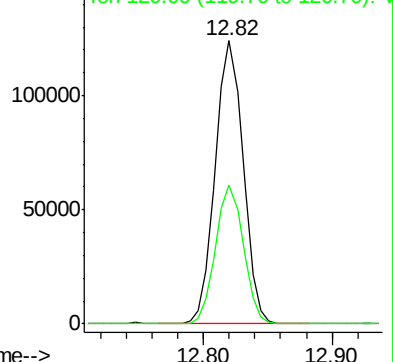
Ion Ratio Lower Upper

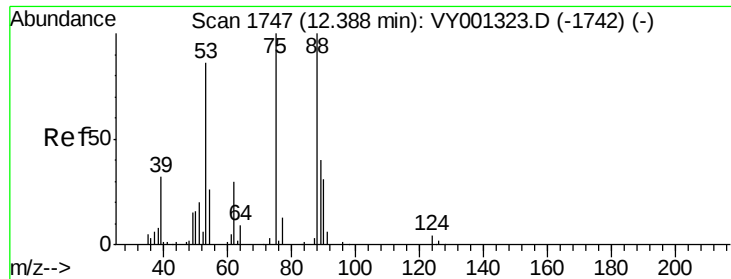
105 100

120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001323.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.29 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

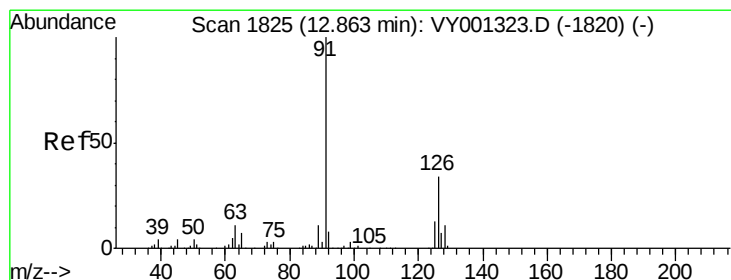
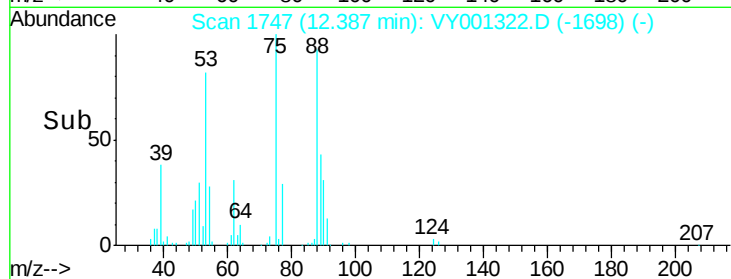
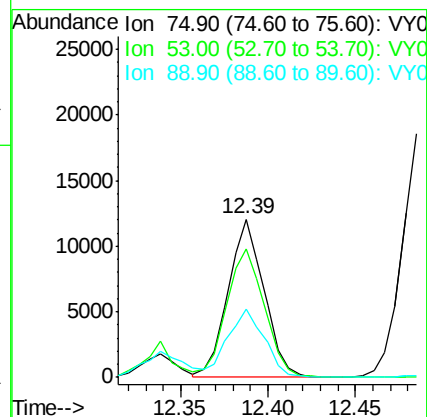
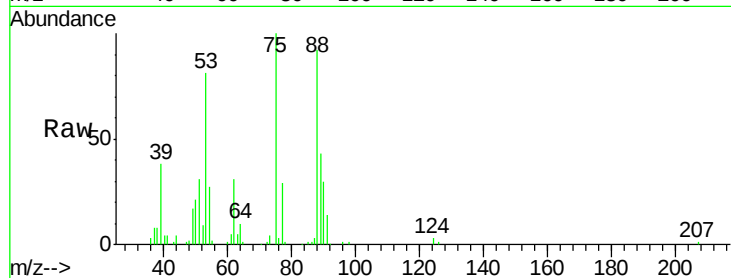
Tgt Ion: 75 Resp: 17234

Ion Ratio Lower Upper

75 100

53 85.7 69.9 104.9

89 43.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.49 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY001322.D

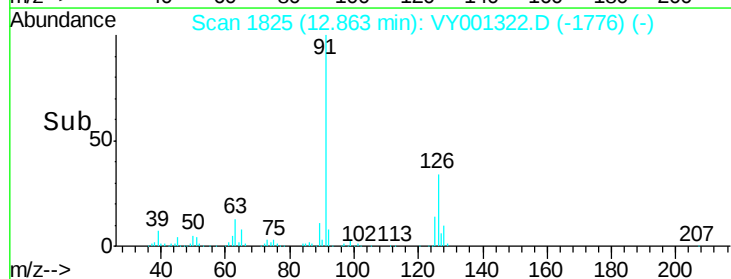
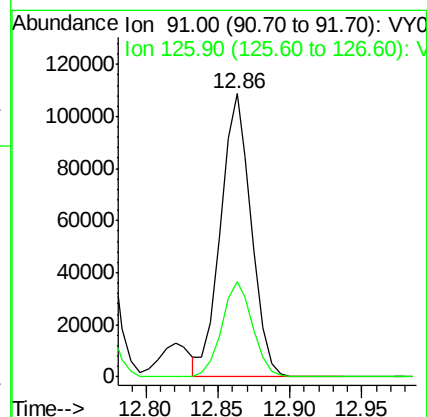
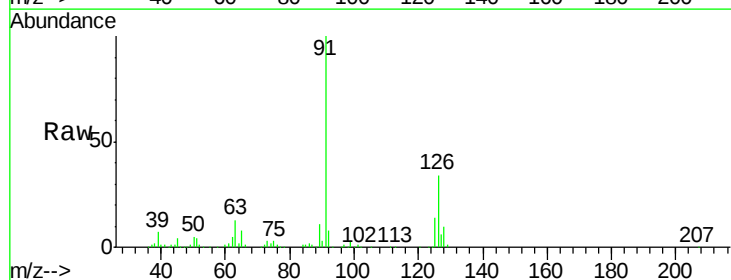
Acq: 21 Jan 2020 15:25

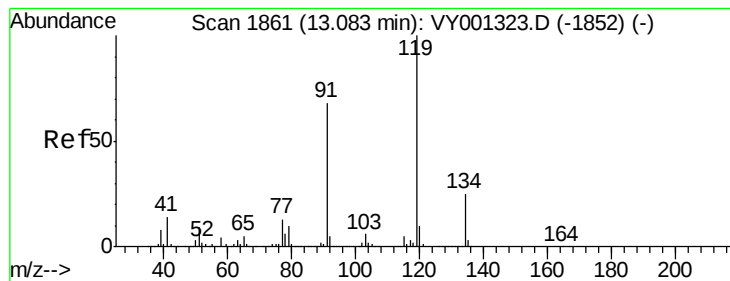
Tgt Ion: 91 Resp: 161235

Ion Ratio Lower Upper

91 100

126 33.7 16.4 49.4





#83

tert-Butylbenzene

Concen: 20.94 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

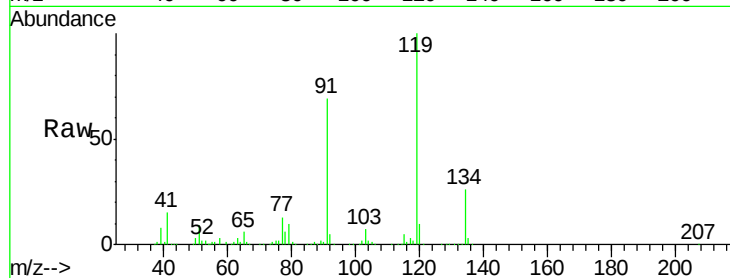
Tgt Ion:119 Resp: 157193

Ion Ratio Lower Upper

119 100

91 67.0 33.0 99.0

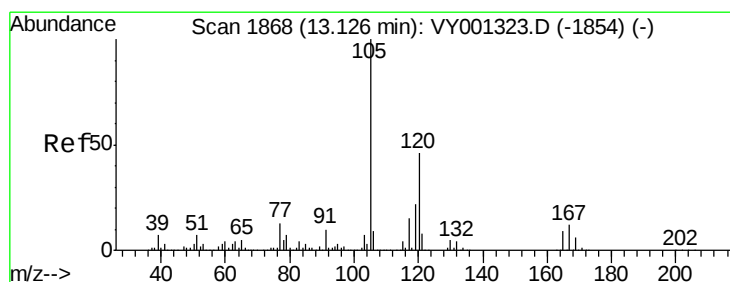
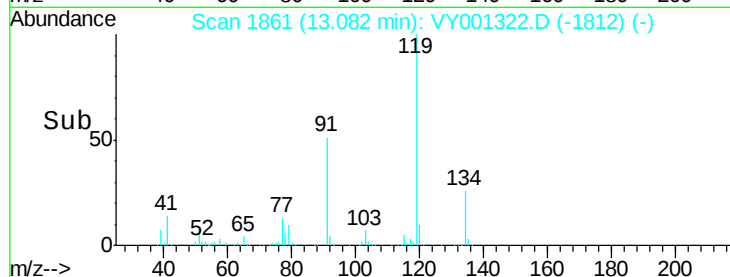
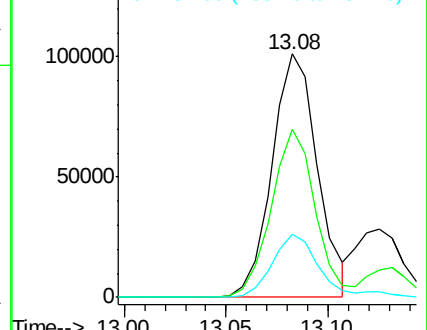
134 27.3 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.07 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY001322.D

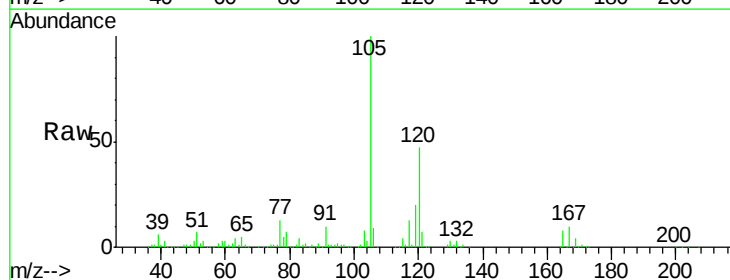
Acq: 21 Jan 2020 15:25

Tgt Ion:105 Resp: 186570

Ion Ratio Lower Upper

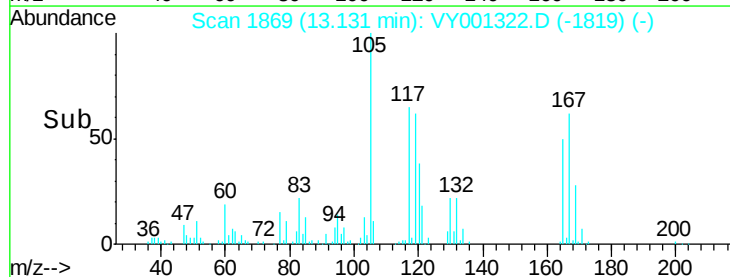
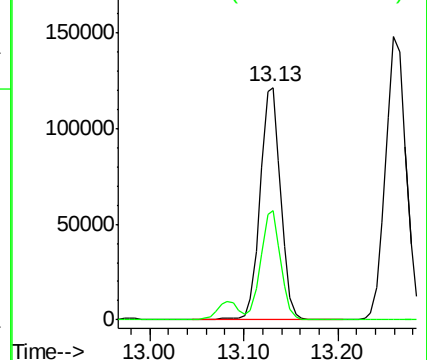
105 100

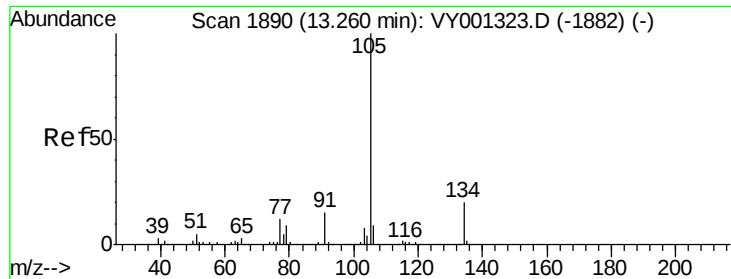
120 45.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.73 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

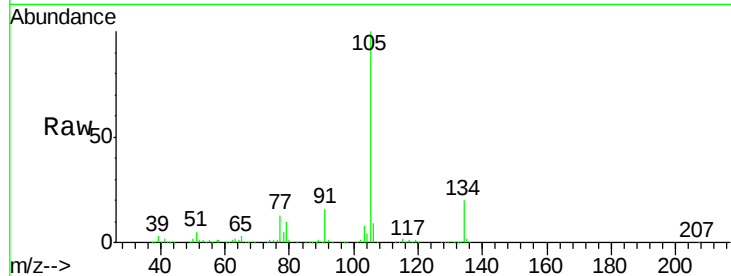
VSTDIC020

Tgt Ion:105 Resp: 223780

Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

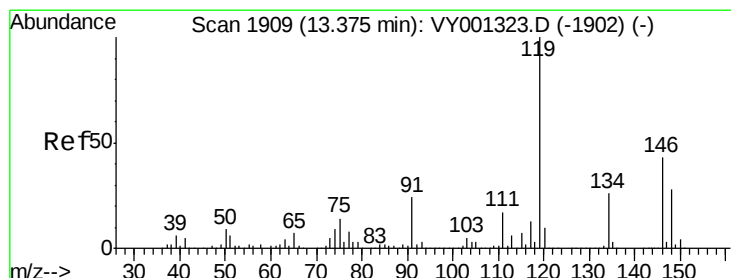
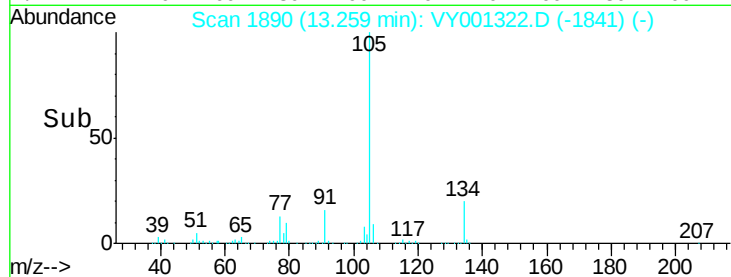
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.49 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

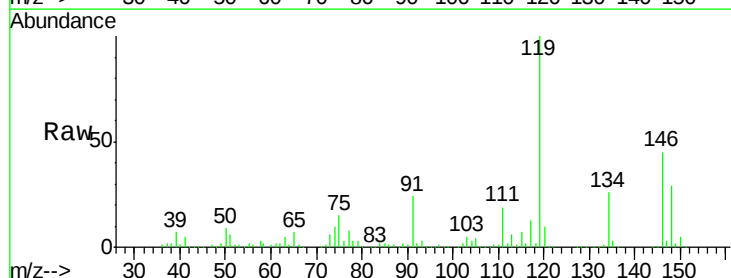
Tgt Ion:119 Resp: 201142

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.5 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

150000

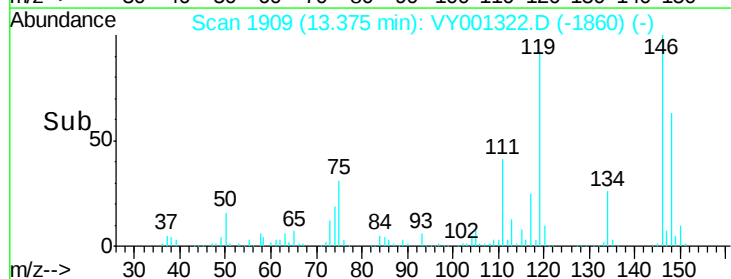
100000

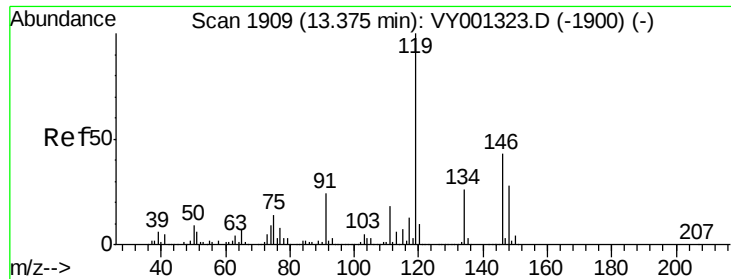
50000

0

13.30 13.35 13.40 13.45

Time-->

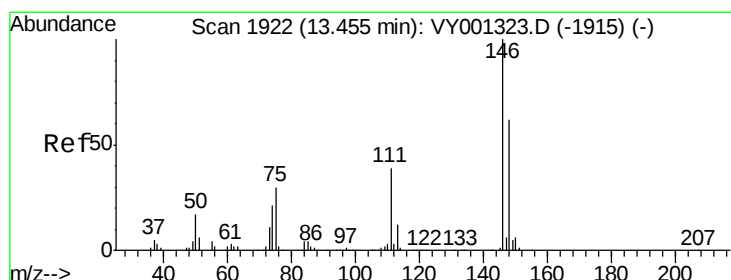
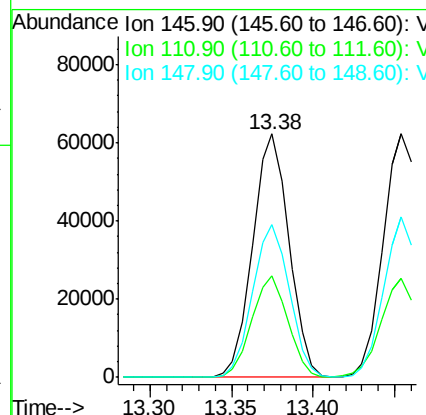
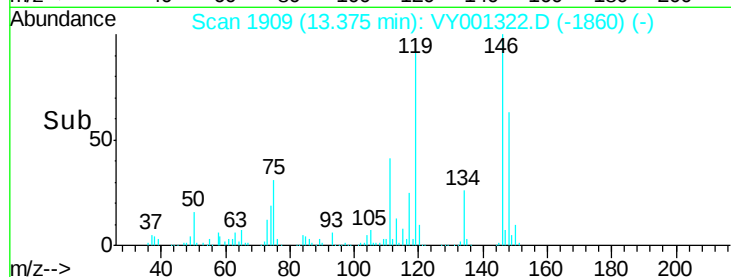
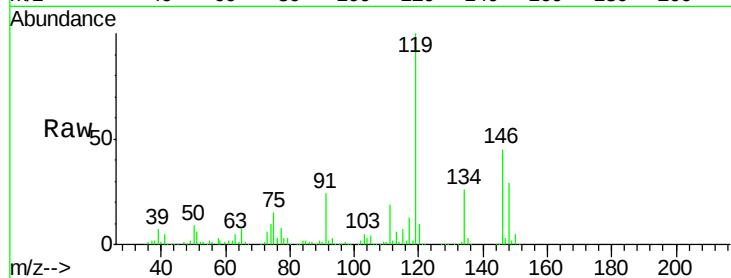




#87
 1,3-Dichlorobenzene
 Concen: 21.60 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

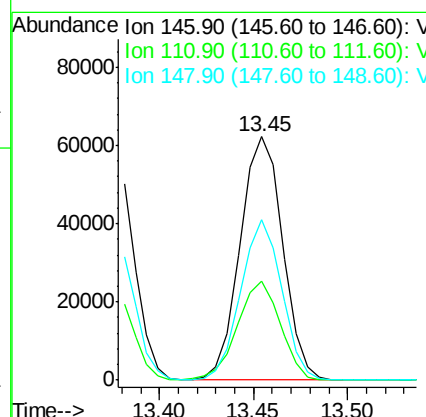
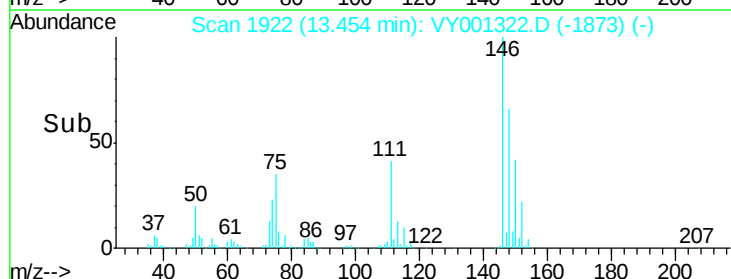
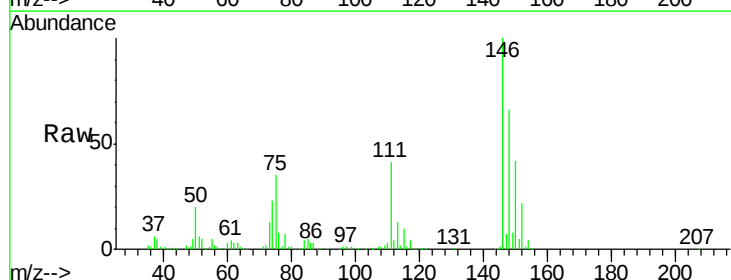
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

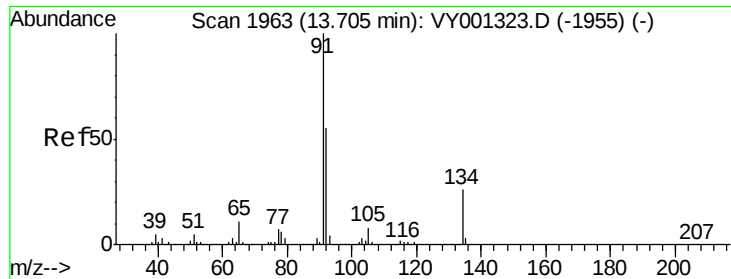
Tgt Ion:146 Resp: 96913
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.6 61.8
 148 63.4 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 21.16 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion:146 Resp: 97341
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.5 61.5
 148 63.9 31.6 95.0

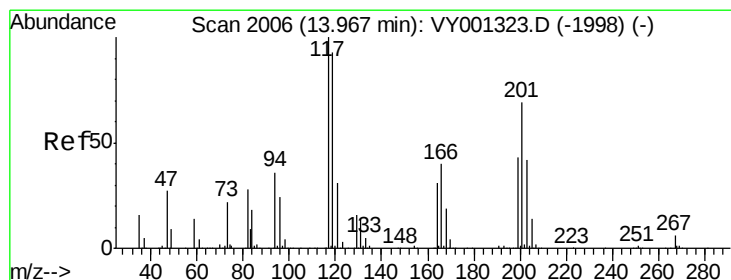
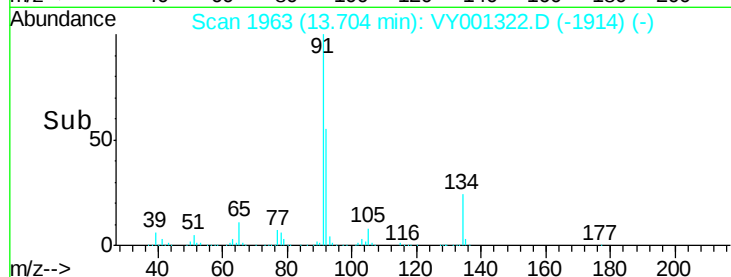
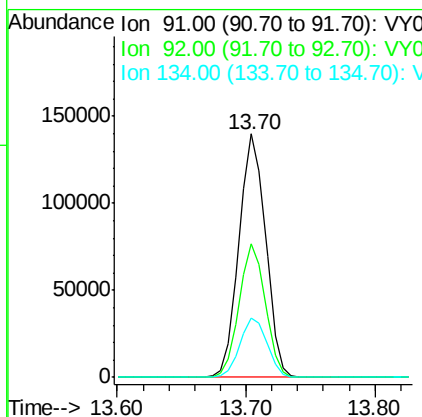
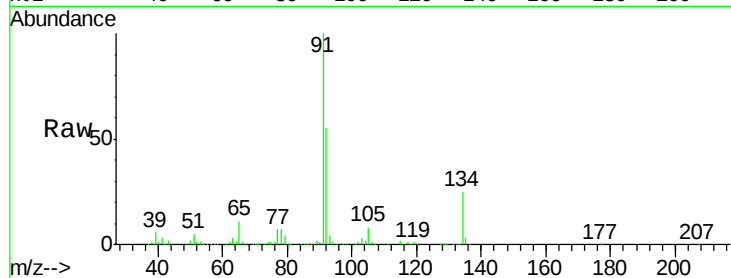




#89
n-Butylbenzene
Concen: 21.33 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

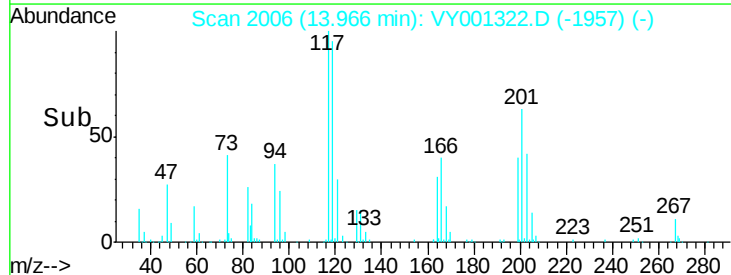
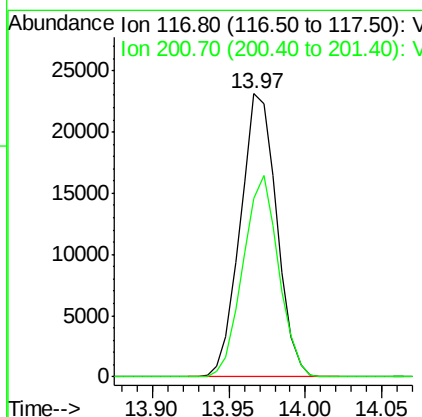
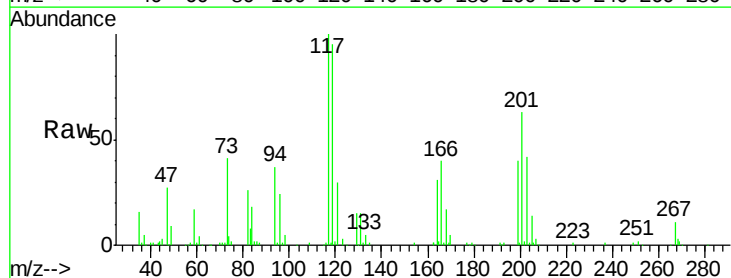
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

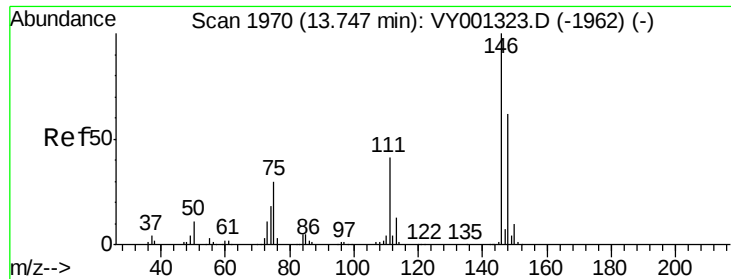
Tgt Ion: 91 Resp: 200820
Ion Ratio Lower Upper
91 100
92 54.0 27.6 82.8
134 24.8 12.9 38.6



#90
Hexachloroethane
Concen: 20.91 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY001322.D
Acq: 21 Jan 2020 15:25

Tgt Ion: 117 Resp: 38164
Ion Ratio Lower Upper
117 100
201 69.6 34.6 103.8

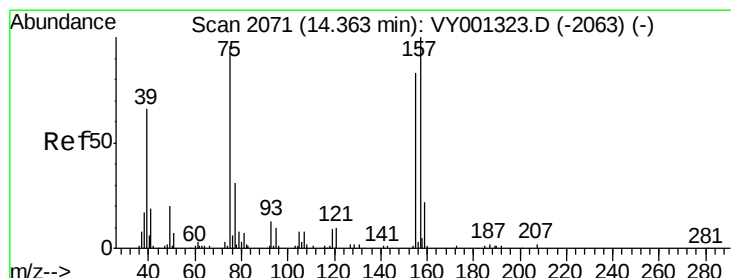
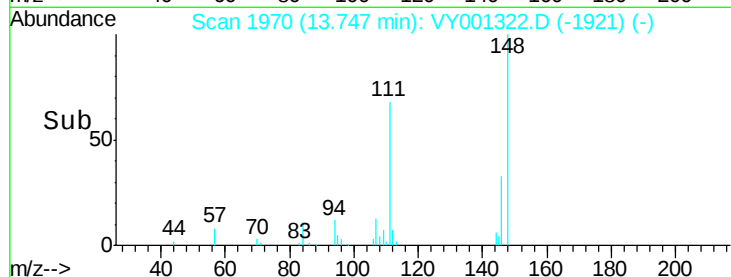
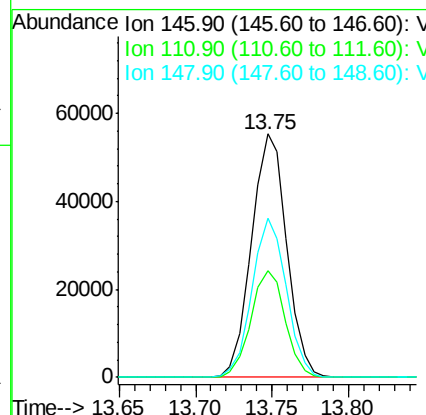
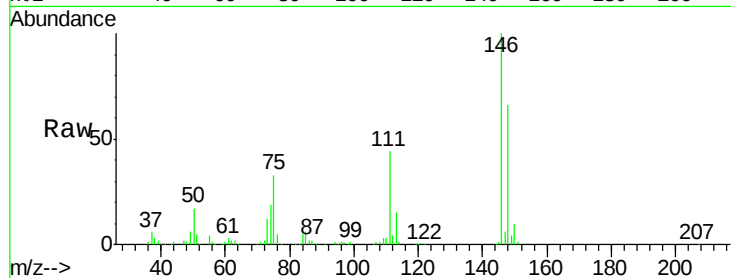




#91
 1,2-Dichlorobenzene
 Concen: 21.24 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

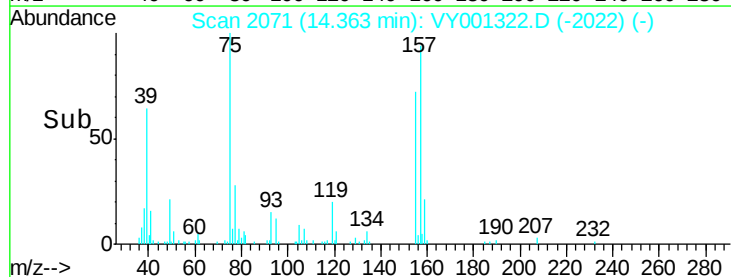
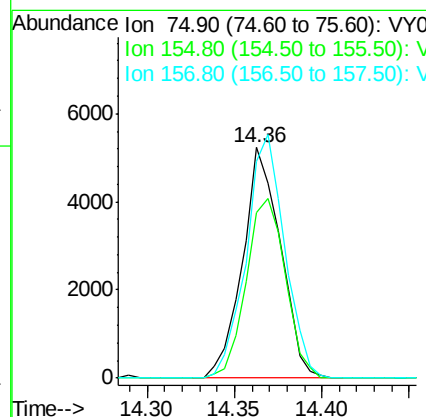
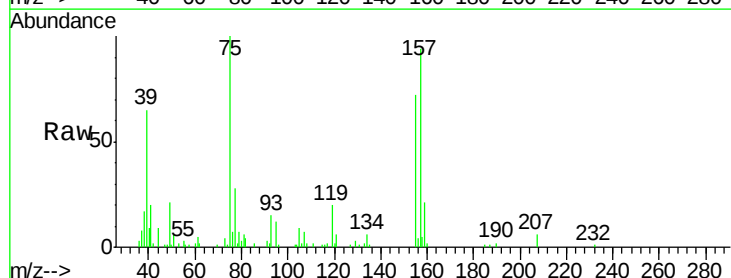
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

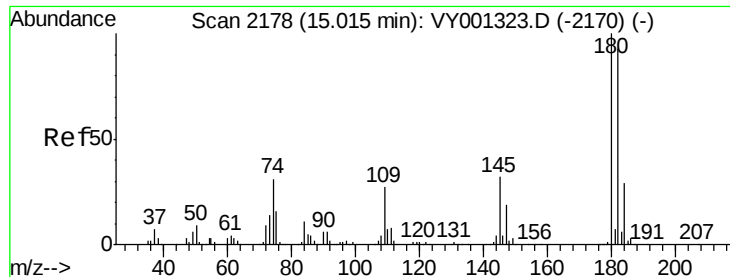
Tgt Ion:146 Resp: 88444
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.1 63.4
 148 63.7 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.56 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion: 75 Resp: 7890
 Ion Ratio Lower Upper
 75 100
 155 80.4 43.0 129.2
 157 106.8 53.3 160.0

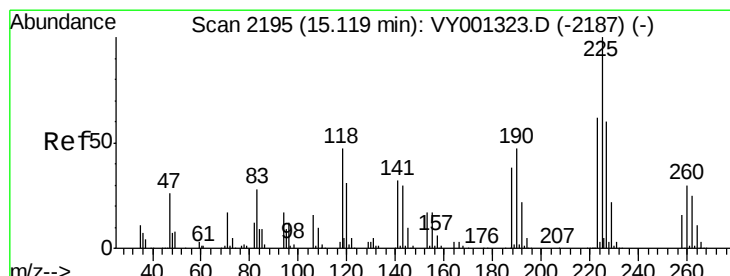
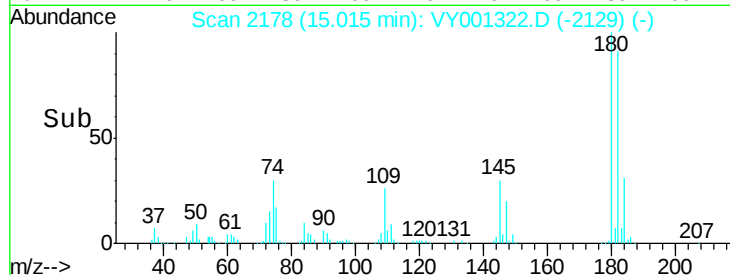
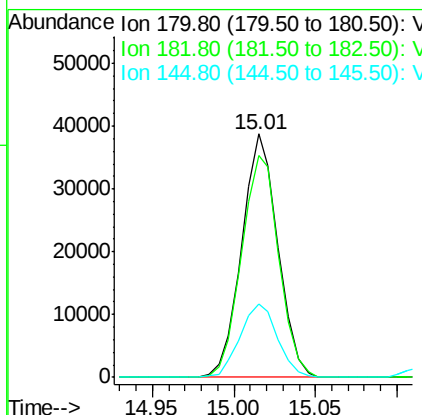
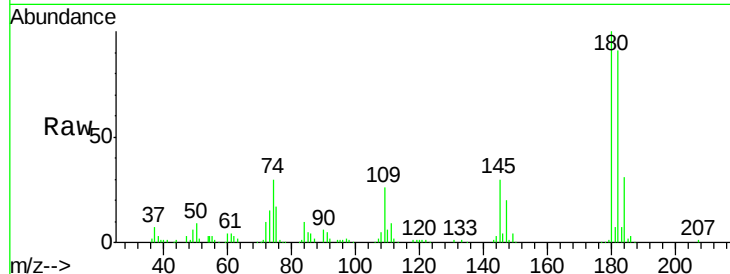




#93
 1,2,4-Trichlorobenzene
 Concen: 21.71 ug/l
 RT: 15.01 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

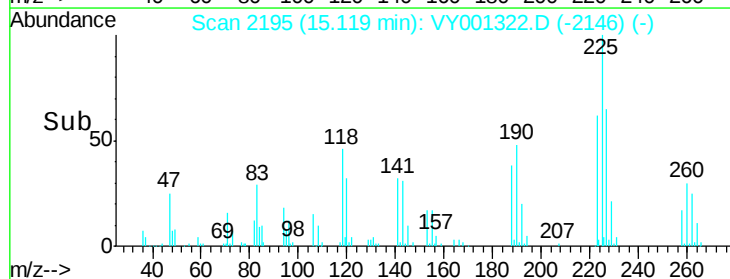
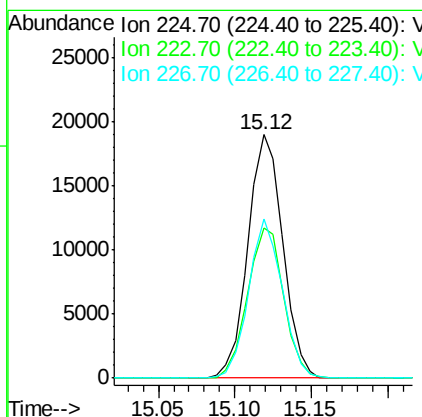
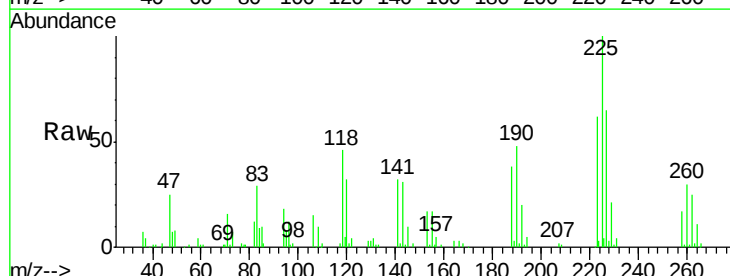
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 59403
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.8
 145 31.6 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 21.98 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001322.D
 Acq: 21 Jan 2020 15:25

Tgt Ion:225 Resp: 30144
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.2 93.6
 227 62.8 31.0 93.0





#95

Naphthalene

Concen: 20.65 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

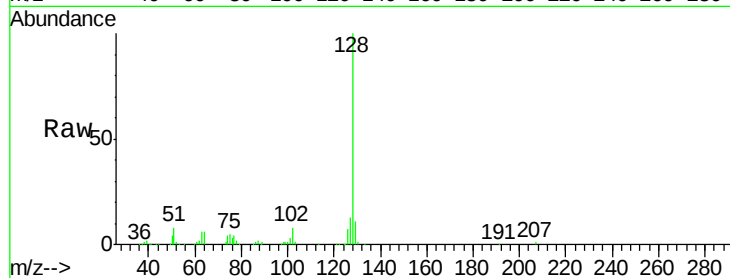
Tgt Ion:128 Resp: 131443

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

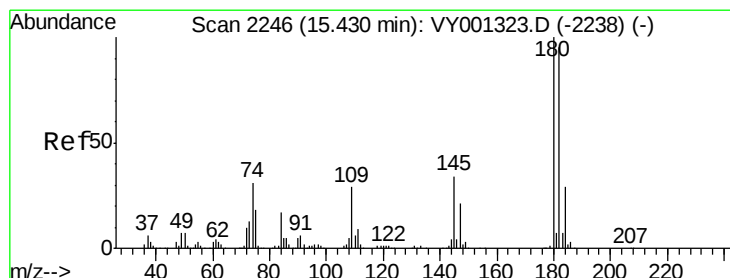
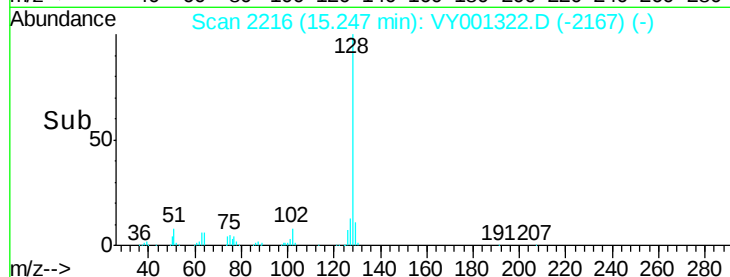
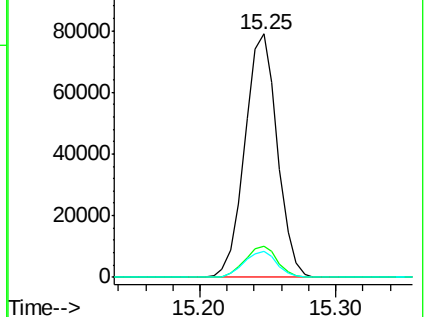
129 10.9 8.7 13.1



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: 21.40 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY001322.D

Acq: 21 Jan 2020 15:25

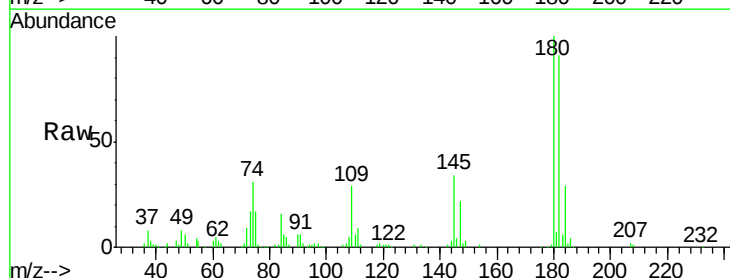
Tgt Ion:180 Resp: 51735

Ion Ratio Lower Upper

180 100

182 94.3 47.3 141.8

145 34.4 16.8 50.3



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

