

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011020\
 Data File : VY001146.D
 Acq On : 10 Jan 2020 14:19
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Jan 10 15:31:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	223384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	377146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	330607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151028	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	22748	11.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.28%	
35) Dibromofluoromethane	7.73	113	23855	11.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.20%	
50) Toluene-d8	10.18	98	79050	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
62) 4-Bromofluorobenzene	12.48	95	36235	11.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	19120	11.807	ug/l	100
3) Chloromethane	2.11	50	27557	20.432	ug/l	98
4) Vinyl Chloride	2.25	62	26191	18.933	ug/l	98
5) Bromomethane	2.65	94	14489	15.555	ug/l	98
6) Chloroethane	2.80	64	15813	17.478	ug/l	98
7) Trichlorofluoromethane	3.13	101	35618	11.145	ug/l	98
8) Diethyl Ether	3.54	74	14182	12.096	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	23169	11.495	ug/l	99
10) Methyl Iodide	4.10	142	31306	10.242	ug/l	100
11) Tert butyl alcohol	4.97	59	12730	67.140	ug/l	95
12) 1,1-Dichloroethene	3.88	96	23621	11.408	ug/l	94
13) Acrolein	3.74	56	11291	63.403	ug/l	98
14) Allyl chloride	4.49	41	38702	15.918	ug/l	99
15) Acrylonitrile	5.18	53	33834	65.947	ug/l	100
16) Acetone	3.96	43	27719	71.879	ug/l	99
17) Carbon Disulfide	4.20	76	76620	12.263	ug/l	97
18) Methyl Acetate	4.49	43	18091	15.087	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	63435	12.322	ug/l	99
20) Methylene Chloride	4.72	84	34090	14.019	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	26067	11.259	ug/l	95
22) Diisopropyl ether	6.13	45	77085	15.431	ug/l	99
23) Vinyl Acetate	6.07	43	251664	79.662	ug/l	97
24) 1,1-Dichloroethane	6.03	63	43148	13.208	ug/l	99
25) 2-Butanone	7.00	43	42225	67.016	ug/l	98
26) 2,2-Dichloropropane	6.99	77	40928	11.778	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	28404	10.412	ug/l	97
28) Bromochloromethane	7.34	49	16301	12.669	ug/l	99
29) Tetrahydrofuran	7.36	42	29177	68.471	ug/l	99
30) Chloroform	7.52	83	42385	10.799	ug/l	96
31) Cyclohexane	7.79	56	47352	12.449	ug/l	# 93
32) 1,1,1-Trichloroethane	7.71	97	38123	10.538	ug/l	97
36) 1,1-Dichloropropene	7.92	75	35282	10.711	ug/l	99
37) Ethyl Acetate	7.09	43	20724	14.203	ug/l	98
38) Carbon Tetrachloride	7.91	117	32120	9.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	48503	10.660	ug/l	99
40) Benzene	8.17	78	102739	10.213	ug/l	100
41) Methacrylonitrile	7.36	41	26099	36.084	ug/l #	30
42) 1,2-Dichloroethane	8.25	62	28255	11.439	ug/l	98
43) Isopropyl Acetate	8.28	43	38680	13.418	ug/l	99
44) Trichloroethene	8.94	130	26682	9.025	ug/l	100
45) 1,2-Dichloropropane	9.22	63	25826	11.330	ug/l	100
46) Dibromomethane	9.31	93	13312	9.987	ug/l	95
47) Bromodichloromethane	9.50	83	33700	11.103	ug/l	98
48) Methyl methacrylate	9.30	41	18474	14.708	ug/l	97
49) 1,4-Dioxane	9.31	88	3408	172.732	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	100075	72.027	ug/l	99
52) Toluene	10.24	92	64997	10.467	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	36773	11.459	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	41809	11.096	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	20570	10.754	ug/l	96
56) Ethyl methacrylate	10.51	69	30914	12.196	ug/l	98
57) 1,3-Dichloropropane	10.79	76	34695	11.475	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	55763	61.239	ug/l	99
59) 2-Hexanone	10.83	43	66982	72.057	ug/l	99
60) Dibromochloromethane	10.99	129	23493	10.768	ug/l	99
61) 1,2-Dibromoethane	11.09	107	20058	10.826	ug/l	98
64) Tetrachloroethene	10.72	164	21500	7.351	ug/l	96
65) Chlorobenzene	11.52	112	68562	9.877	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	23563	9.659	ug/l	97
67) Ethyl Benzene	11.59	91	125633	10.324	ug/l	97
68) m/p-Xylenes	11.70	106	93278	19.424	ug/l	98
69) o-Xylene	12.03	106	44875	9.844	ug/l	98
70) Styrene	12.04	104	77851	10.049	ug/l	99
71) Bromoform	12.20	173	14425	9.891	ug/l #	99
73) Isopropylbenzene	12.33	105	118410	10.445	ug/l	100
74) N-amyl acetate	12.14	43	35599	14.930	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	24562	11.838	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	32743	21.008	ug/l #	100
77) Bromobenzene	12.61	156	26193	9.637	ug/l	96
78) n-propylbenzene	12.67	91	142244	10.568	ug/l	99
79) 2-Chlorotoluene	12.75	91	81105	10.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	98451	10.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	9642	12.083	ug/l #	100
82) 4-Chlorotoluene	12.85	91	86484	11.105	ug/l	98
83) tert-Butylbenzene	13.07	119	83900	10.303	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	98669	10.240	ug/l	98
85) sec-Butylbenzene	13.25	105	119939	10.472	ug/l	99
86) p-Isopropyltoluene	13.36	119	105367	10.249	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	50856	9.980	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	51089	9.939	ug/l	97
89) n-Butylbenzene	13.69	91	103726	10.600	ug/l	100
90) Hexachloroethane	13.95	117	19850	10.327	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	46306	9.893	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	4433	11.904	ug/l	95

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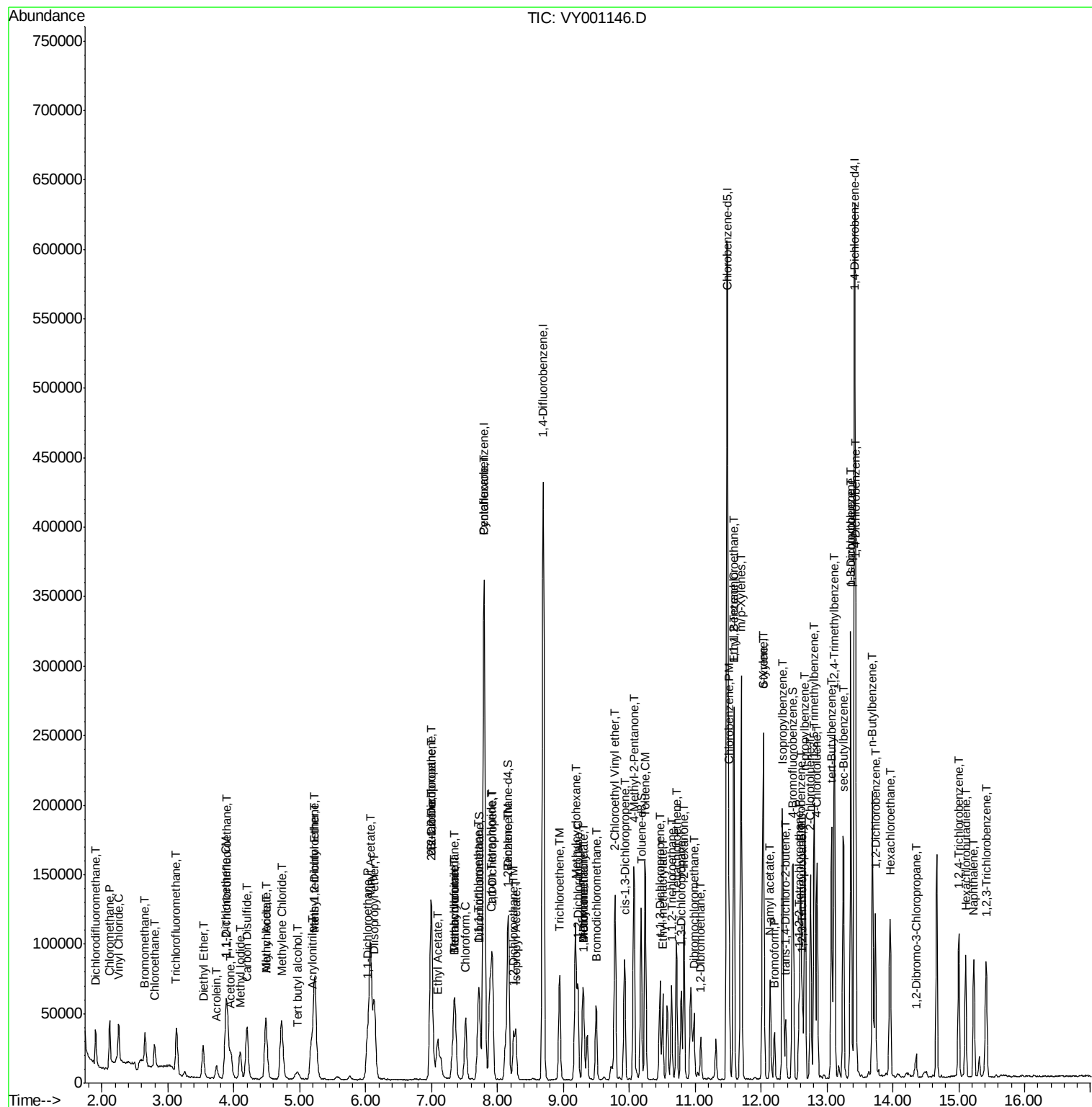
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	30303	9.451	ug/l	98
94) Hexachlorobutadiene	15.11	225	15547	9.588	ug/l	99
95) Naphthalene	15.23	128	67975	9.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	26057	9.116	ug/l	99

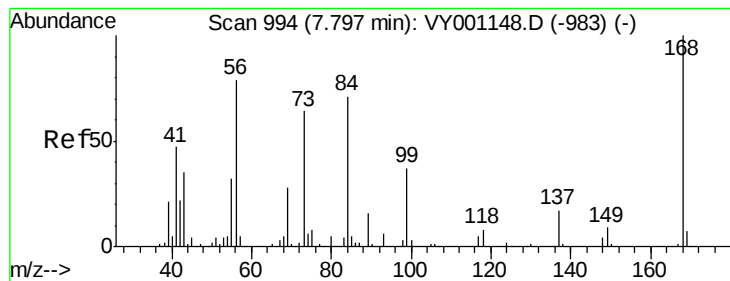
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011020\
 Data File : VY001146.D
 Acq On : 10 Jan 2020 14:19
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

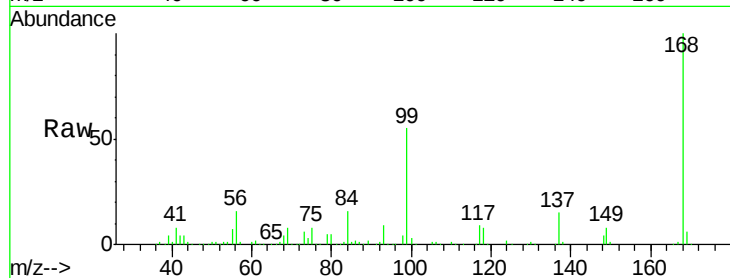
VSTDIC010

Tgt Ion:168 Resp: 223384

Ion Ratio Lower Upper

168 100

99 55.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

100000

80000

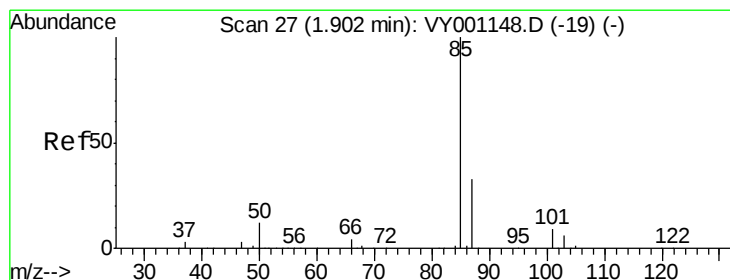
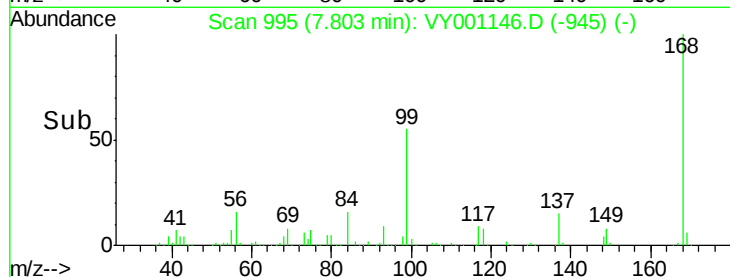
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.807 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001146.D

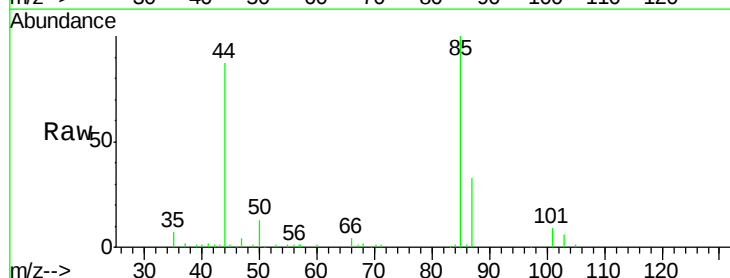
Acq: 10 Jan 2020 14:19

Tgt Ion: 85 Resp: 19120

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.90

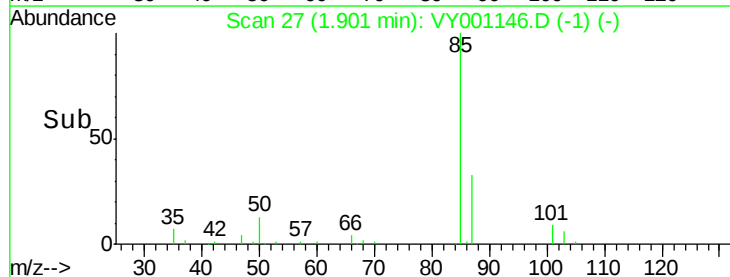
15000

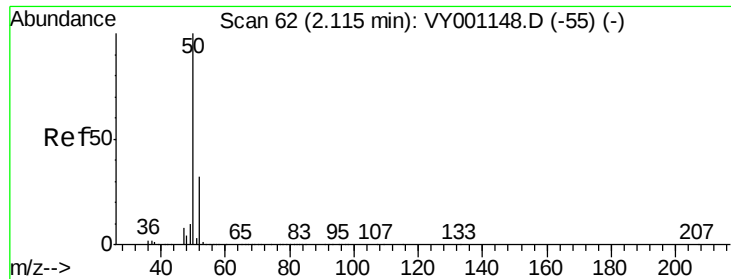
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.432 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

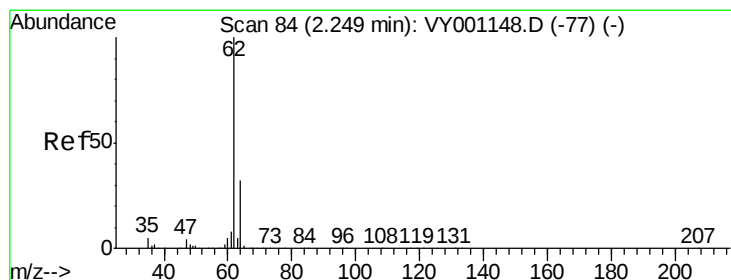
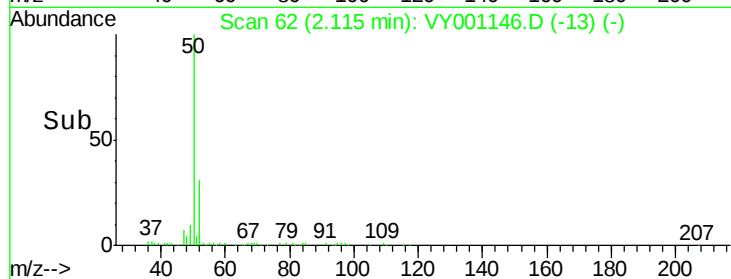
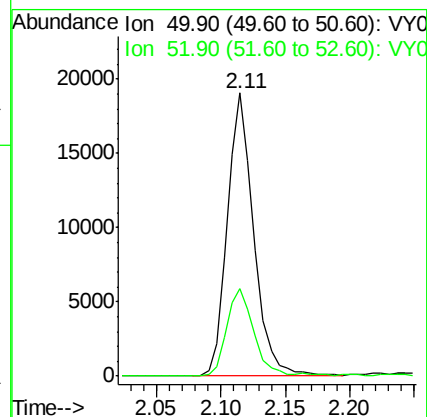
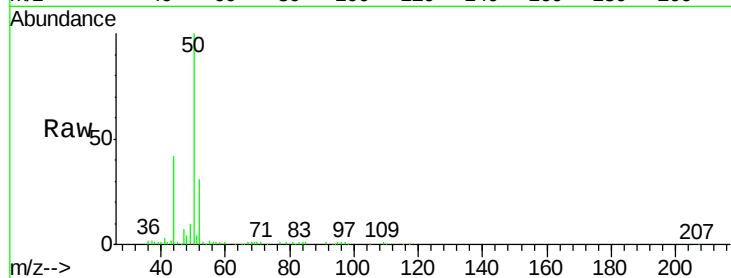
VSTDIC010

Tgt Ion: 50 Resp: 27557

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.6



#4

Vinyl Chloride

Concen: 18.933 ug/l

RT: 2.25 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001146.D

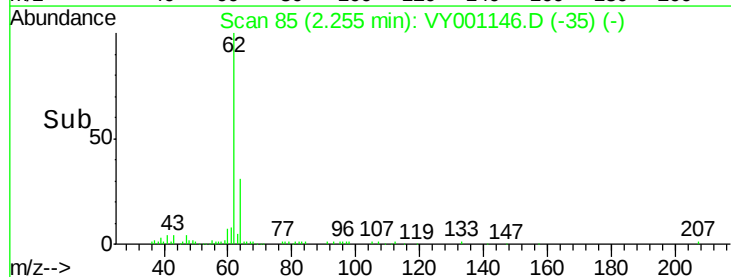
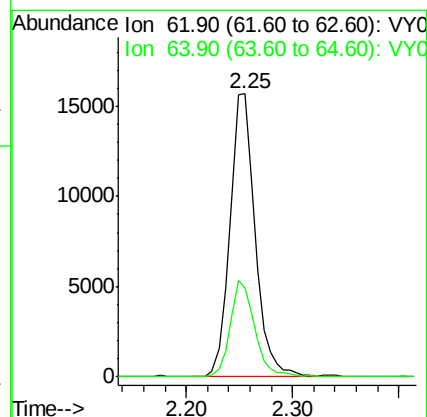
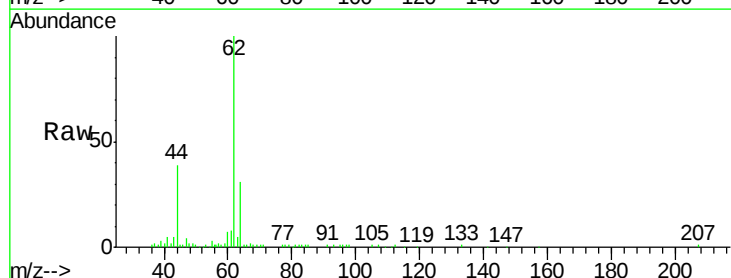
Acq: 10 Jan 2020 14:19

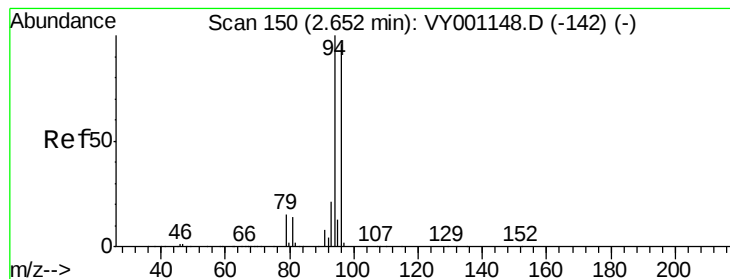
Tgt Ion: 62 Resp: 26191

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 15.555 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

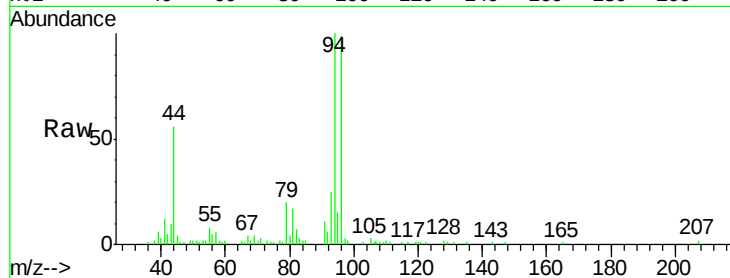
VSTDIC010

Tgt Ion: 94 Resp: 14489

Ion Ratio Lower Upper

94 100

96 98.1 77.3 115.9



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

8000

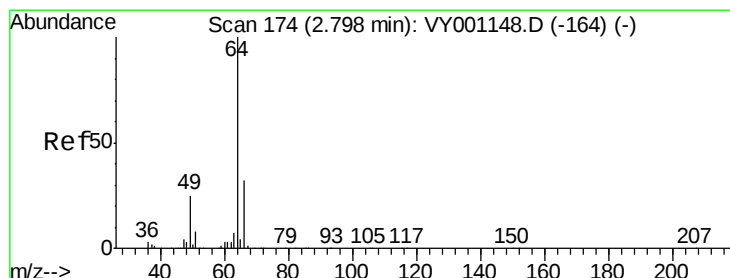
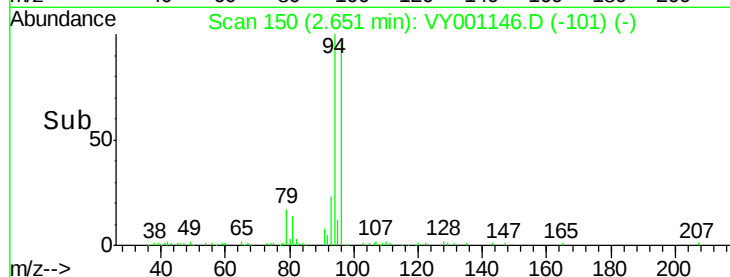
6000

4000

2000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 17.478 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001146.D

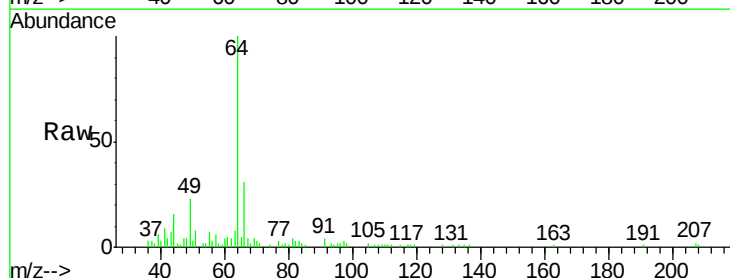
Acq: 10 Jan 2020 14:19

Tgt Ion: 64 Resp: 15813

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

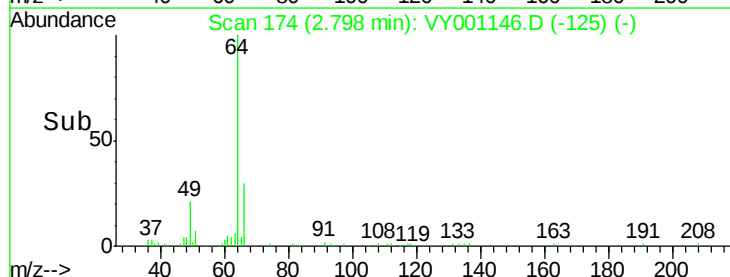
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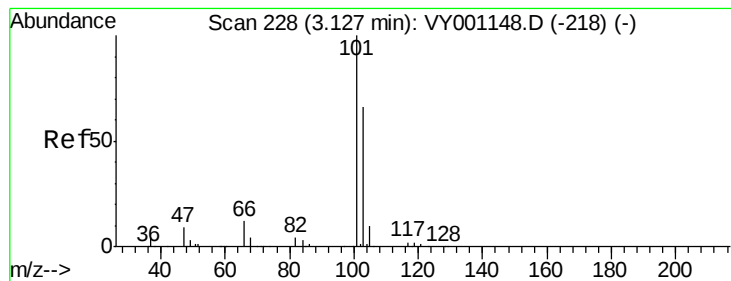
4000

2000

0

Time--> 2.70 2.75 2.80 2.85



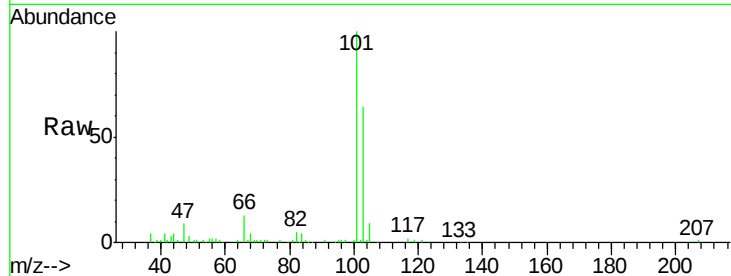


#7

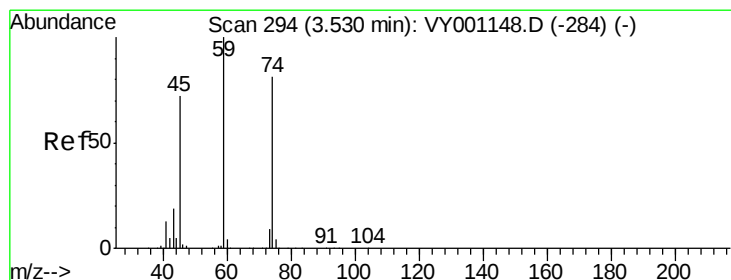
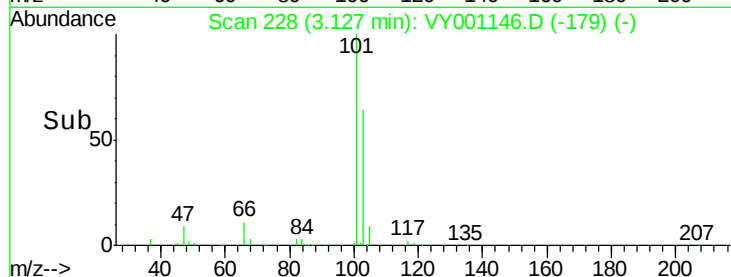
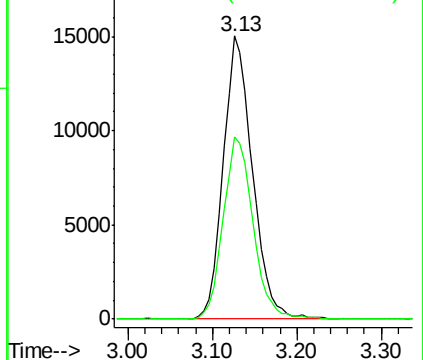
Trichlorofluoromethane
 Concen: 11.145 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
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Tgt Ion:101 Resp: 35618
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 79.0



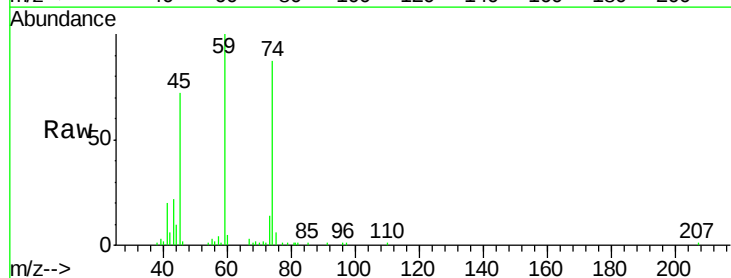
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



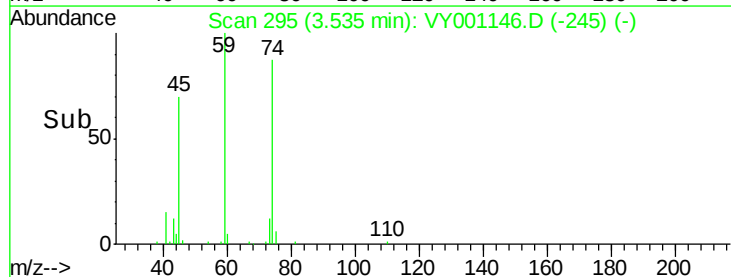
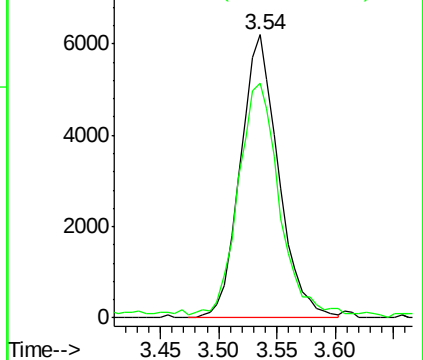
#8

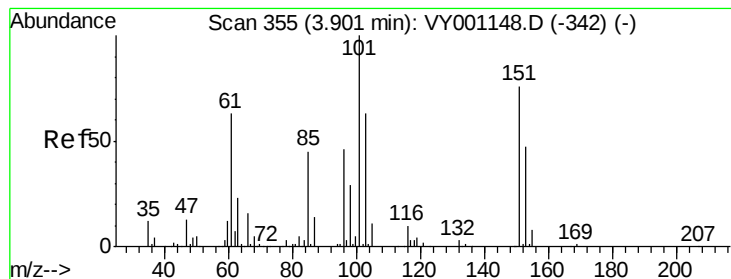
Diethyl Ether
 Concen: 12.096 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001146.D
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Tgt Ion: 74 Resp: 14182
 Ion Ratio Lower Upper
 74 100
 45 86.9 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VY0
 Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.495 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

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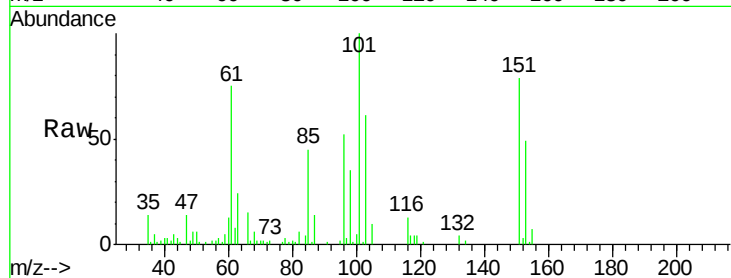
Tgt Ion:101 Resp: 23169

Ion Ratio Lower Upper

101 100

85 43.6 35.2 52.8

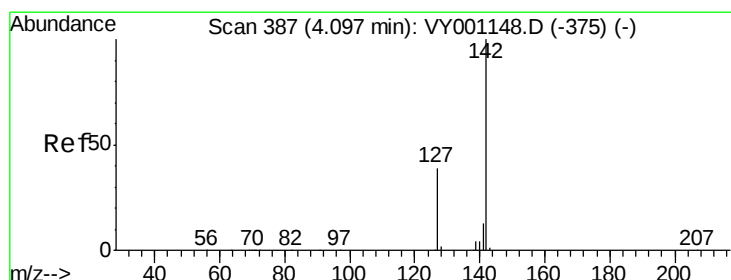
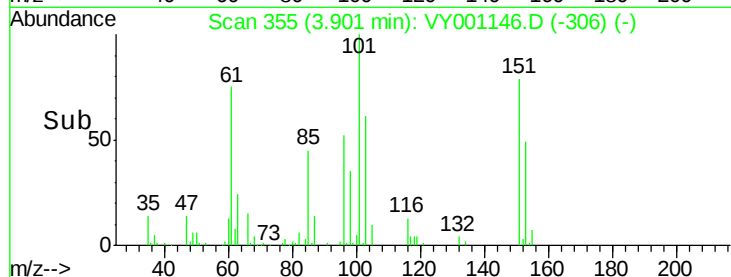
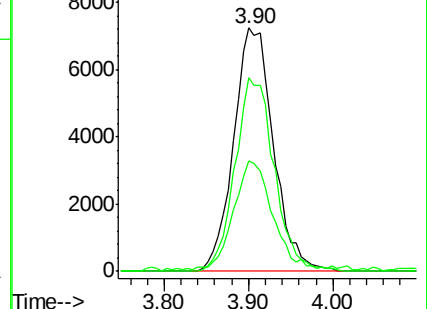
151 78.3 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.242 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

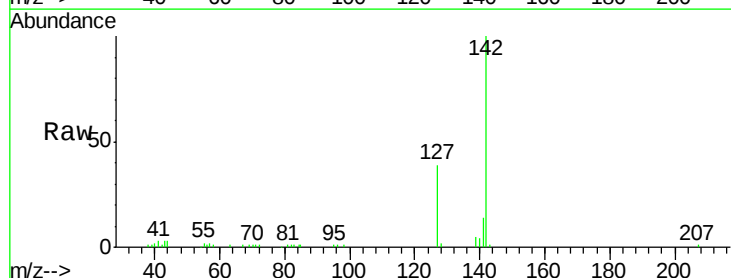
Tgt Ion:142 Resp: 31306

Ion Ratio Lower Upper

142 100

127 38.4 30.8 46.2

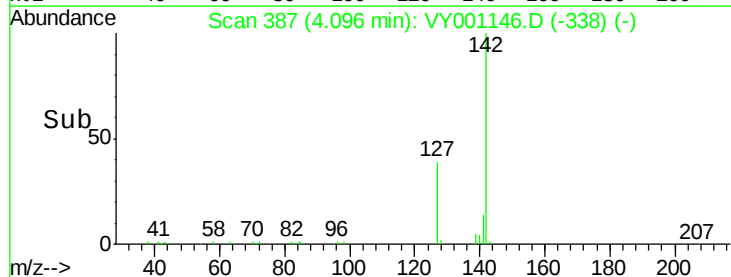
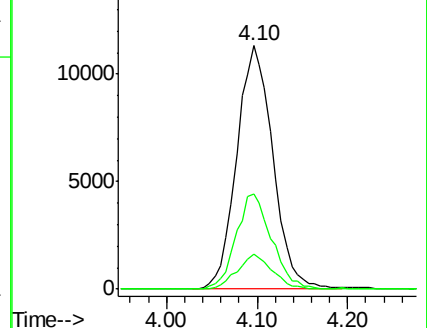
141 13.8 11.0 16.4

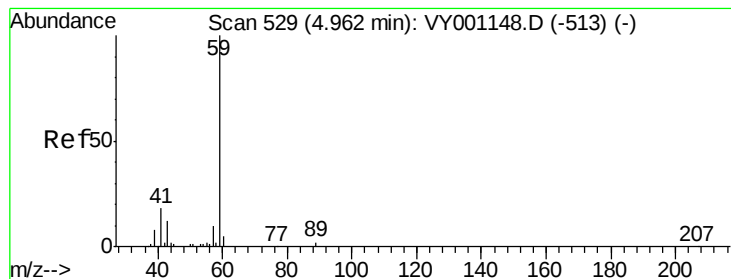


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 67.140 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

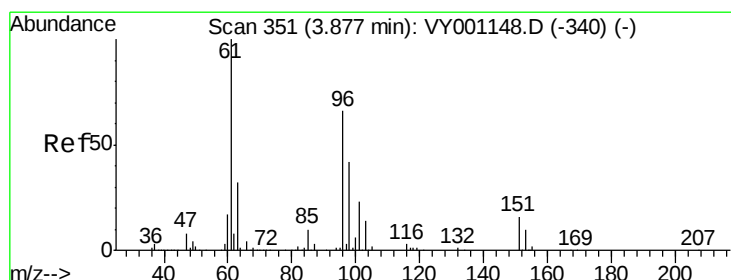
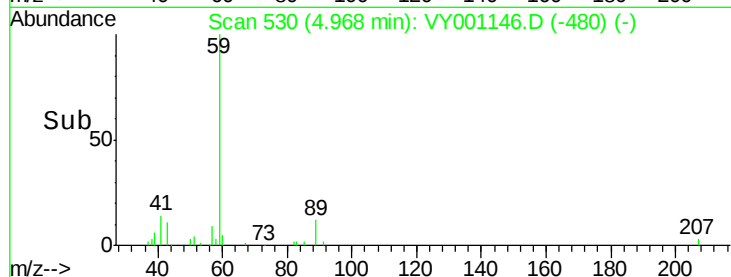
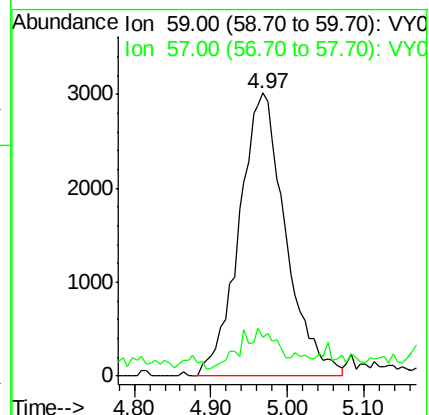
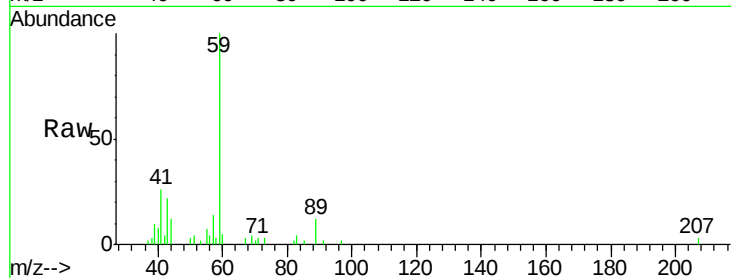
VSTDIC010

Tgt Ion: 59 Resp: 12730

Ion Ratio Lower Upper

59 100

57 11.6 7.8 11.8



#12

1,1-Dichloroethene

Concen: 11.408 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

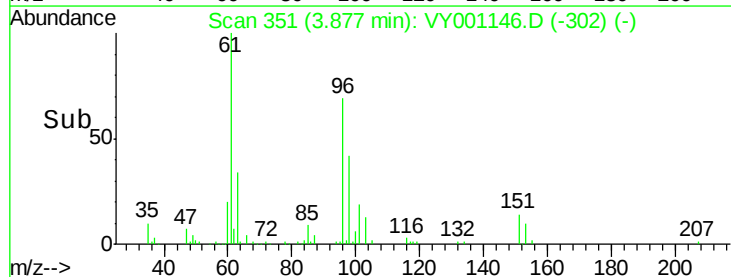
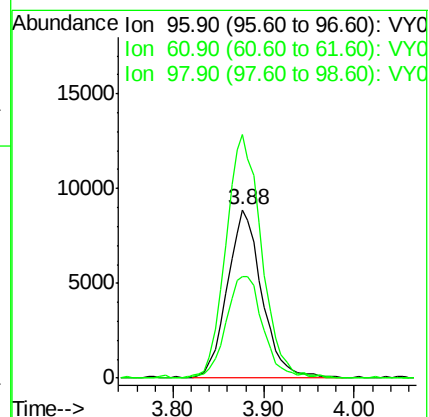
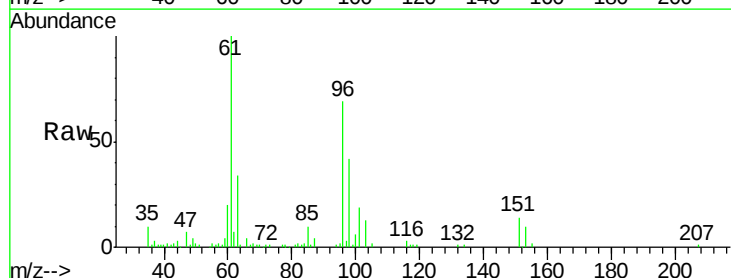
Tgt Ion: 96 Resp: 23621

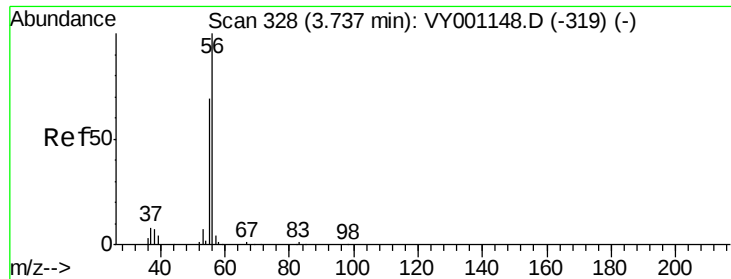
Ion Ratio Lower Upper

96 100

61 144.3 122.1 183.1

98 60.2 51.0 76.6





#13

Acrolein

Concen: 63.403 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

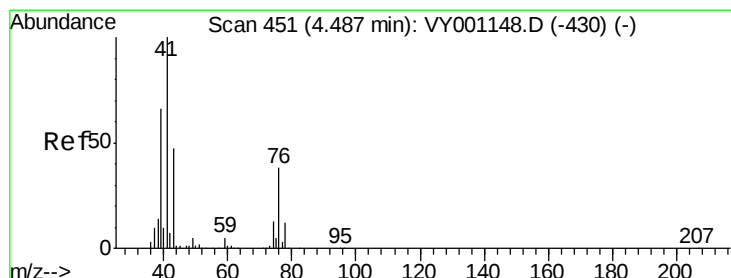
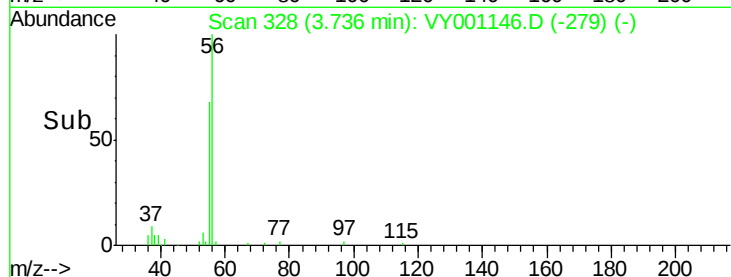
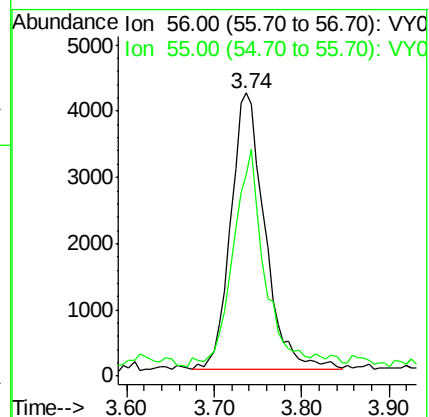
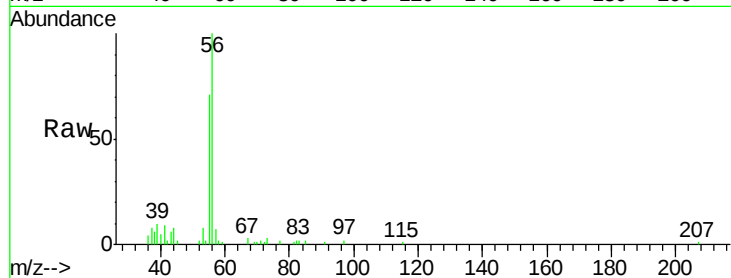
VSTDIC010

Tgt Ion: 56 Resp: 11291

Ion Ratio Lower Upper

56 100

55 72.3 56.7 85.1



#14

Allyl chloride

Concen: 15.918 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

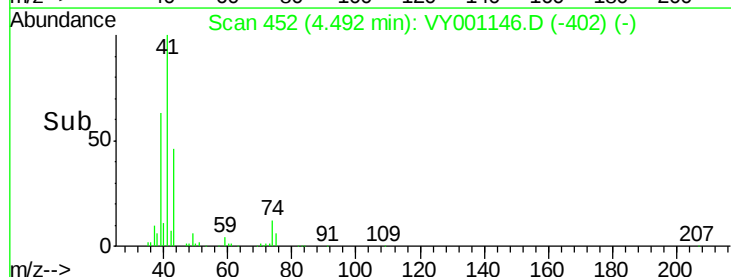
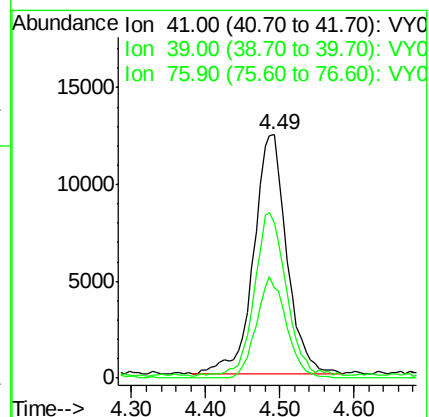
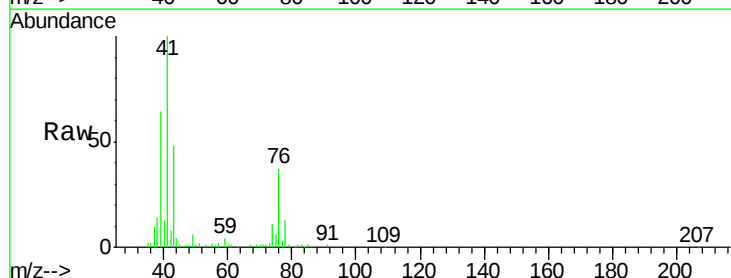
Tgt Ion: 41 Resp: 38702

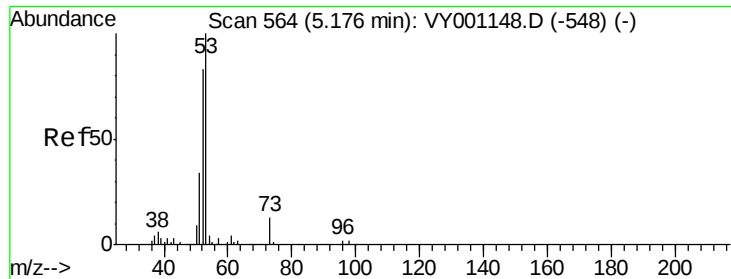
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 38.2 30.2 45.2





#15

Acrylonitrile

Concen: 65.947 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

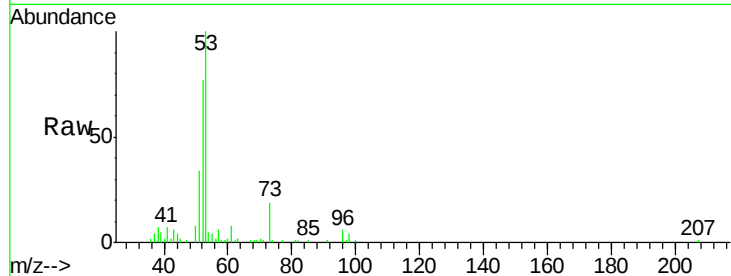
Tgt Ion: 53 Resp: 33834

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

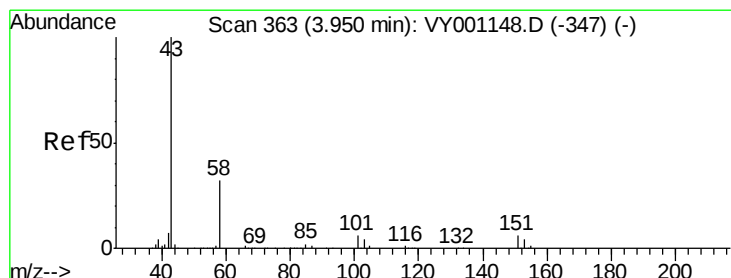
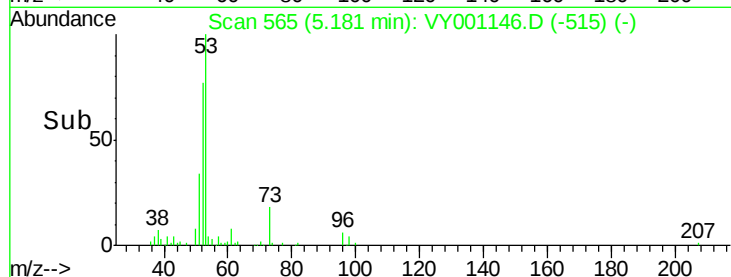
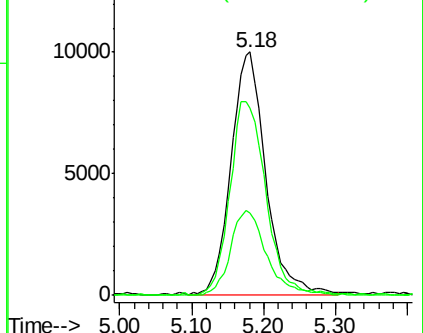
51 36.0 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 71.879 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001146.D

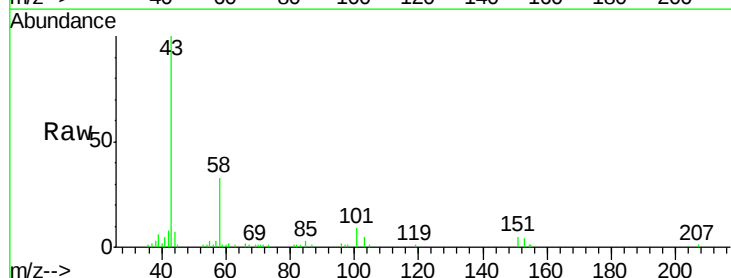
Acq: 10 Jan 2020 14:19

Tgt Ion: 43 Resp: 27719

Ion Ratio Lower Upper

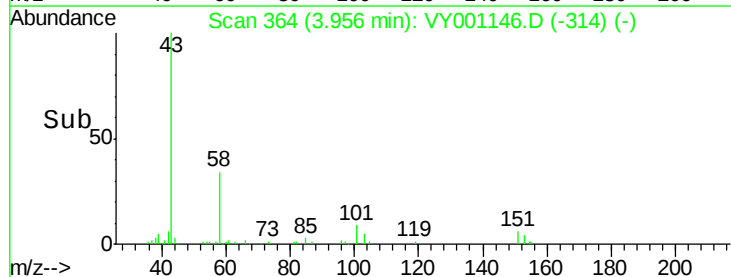
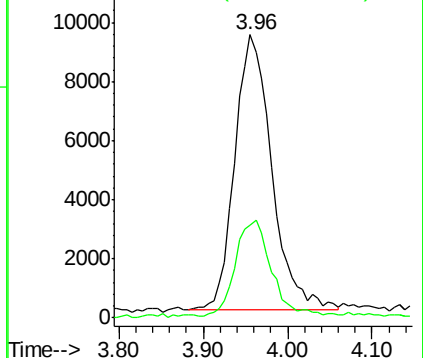
43 100

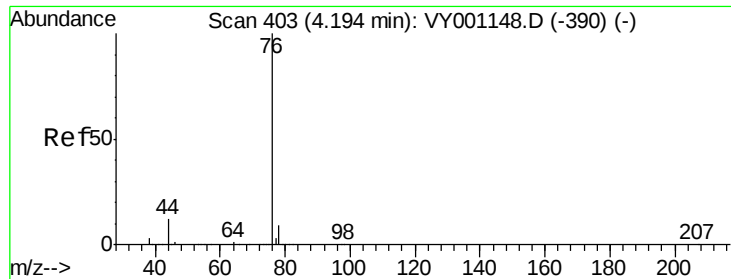
58 32.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 12.263 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

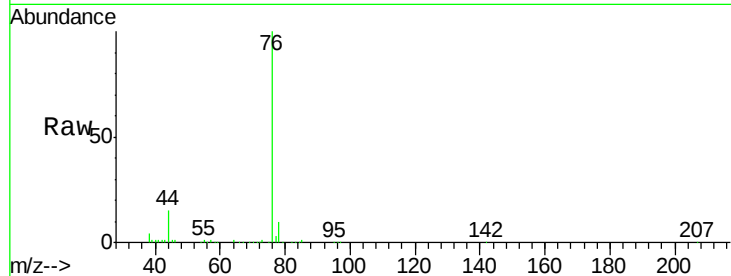
VSTDIC010

Tgt Ion: 76 Resp: 76620

Ion Ratio Lower Upper

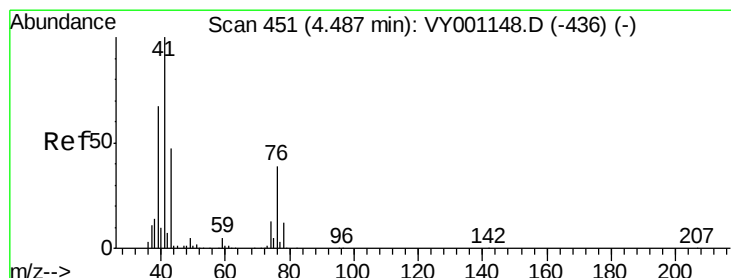
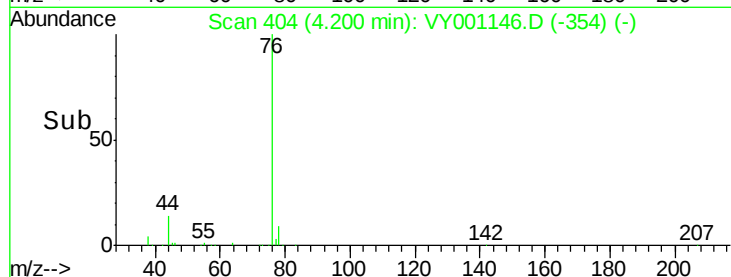
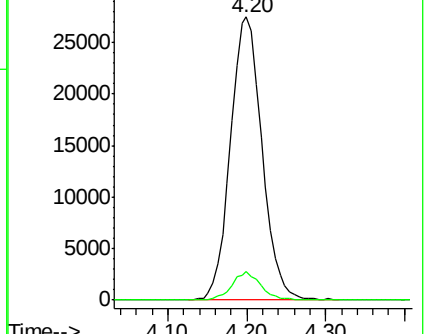
76 100

78 10.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 15.087 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001146.D

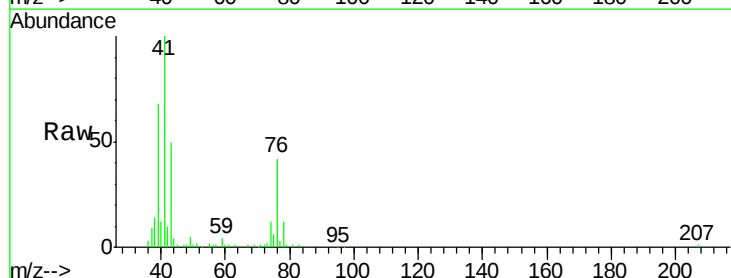
Acq: 10 Jan 2020 14:19

Tgt Ion: 43 Resp: 18091

Ion Ratio Lower Upper

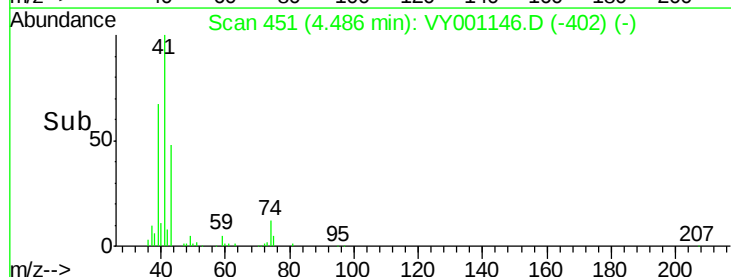
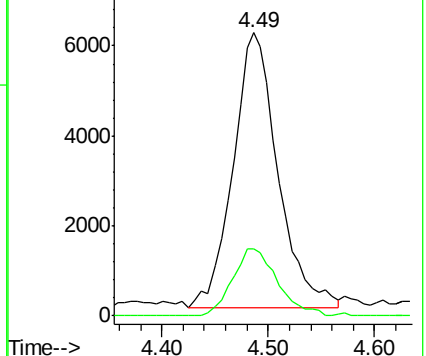
43 100

74 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

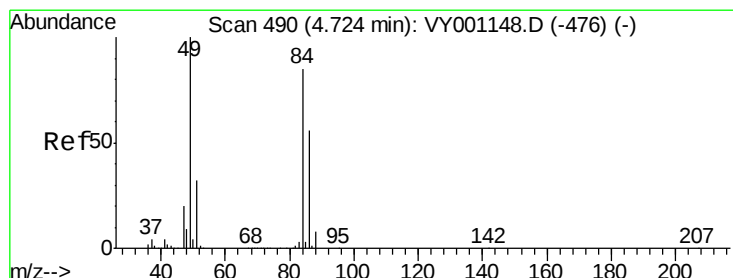
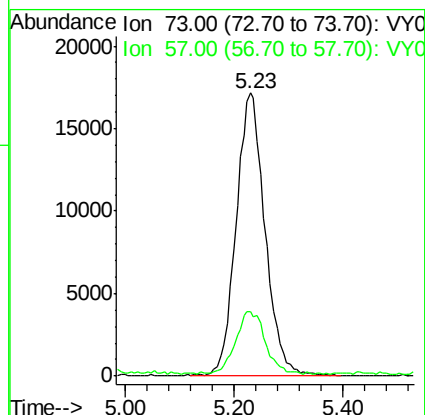
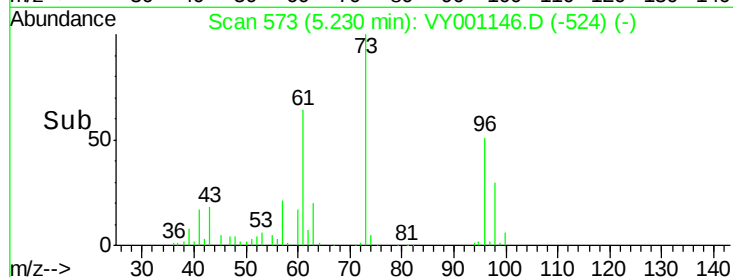
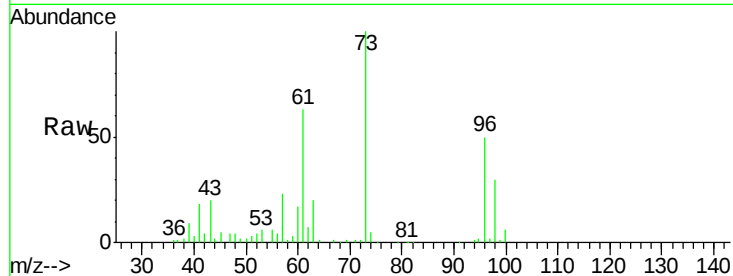




#19
Methyl tert-butyl Ether
Concen: 12.322 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

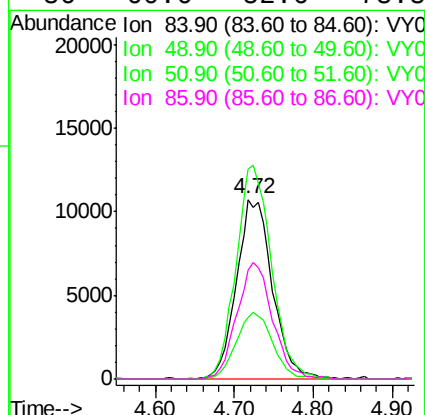
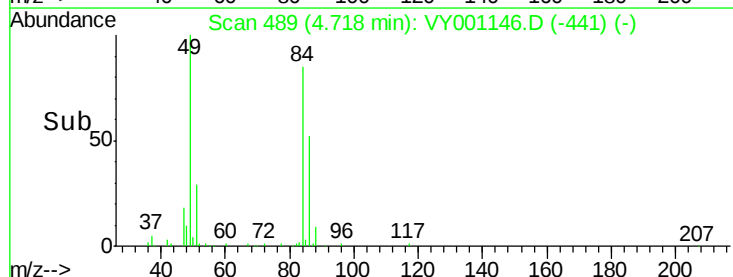
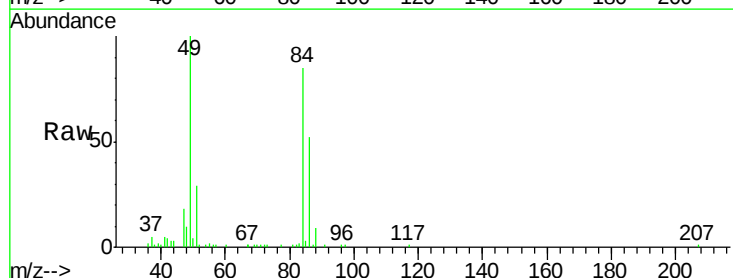
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

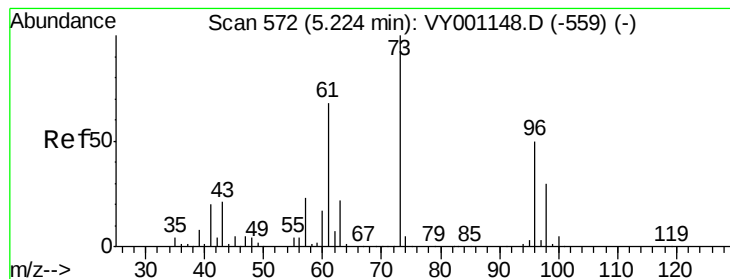
Tgt Ion: 73 Resp: 63435
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.6



#20
Methylene Chloride
Concen: 14.019 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 84 Resp: 34090
Ion Ratio Lower Upper
84 100
49 117.3 93.8 140.6
51 34.1 29.9 44.9
86 60.6 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 11.259 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

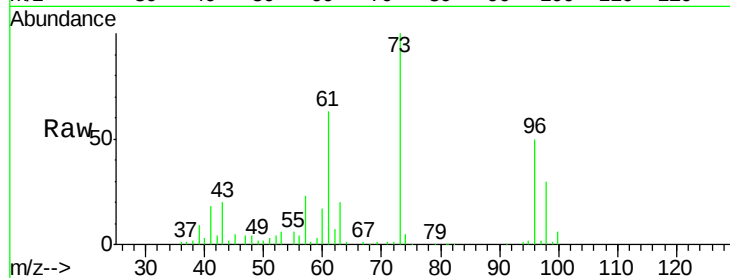
Tgt Ion: 96 Resp: 26067

Ion Ratio Lower Upper

96 100

61 125.7 107.6 161.4

98 58.7 47.6 71.4

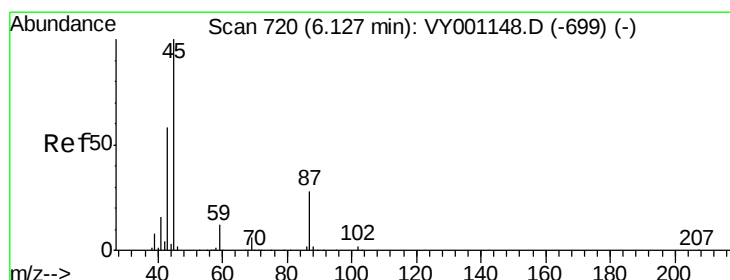
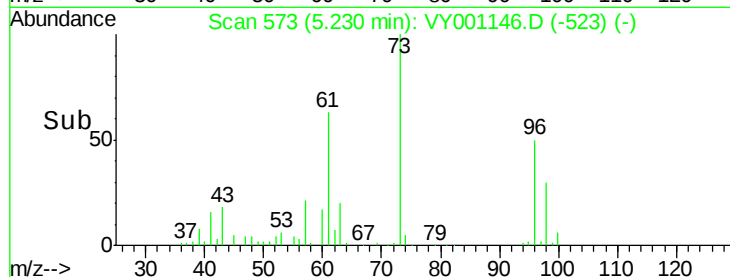
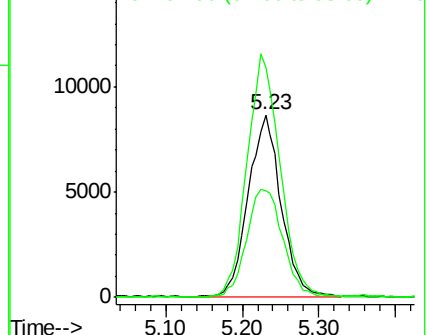


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 15.431 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Tgt Ion: 45 Resp: 77085

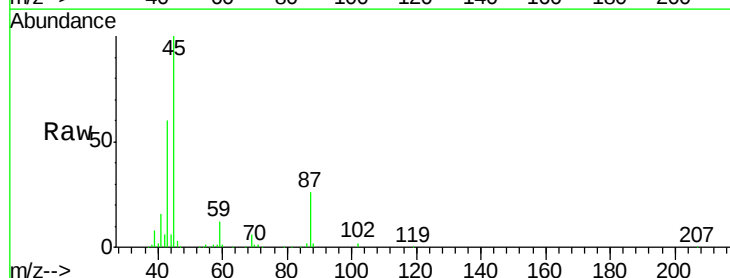
Ion Ratio Lower Upper

45 100

43 58.5 46.5 69.7

87 26.4 22.5 33.7

59 11.7 9.4 14.0



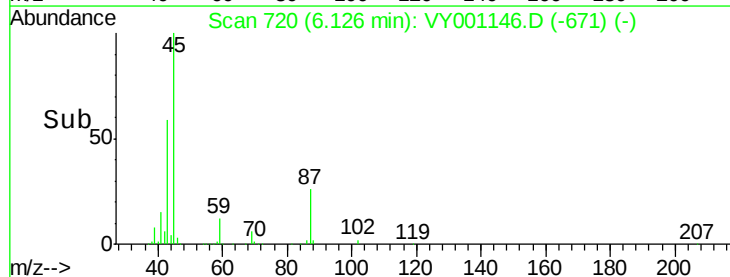
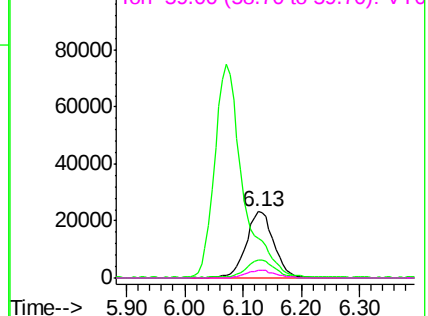
Abundance

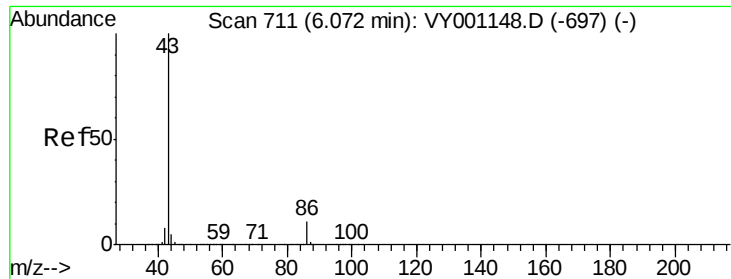
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 79.662 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

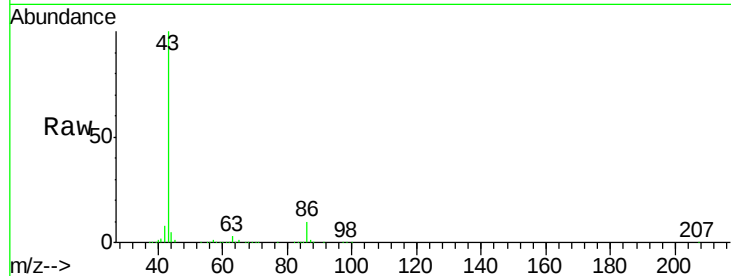
VSTDIC010

Tgt Ion: 43 Resp: 251664

Ion Ratio Lower Upper

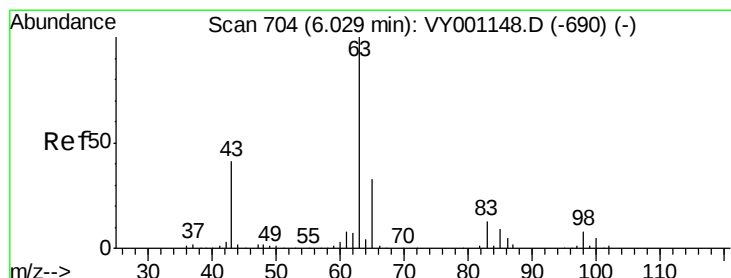
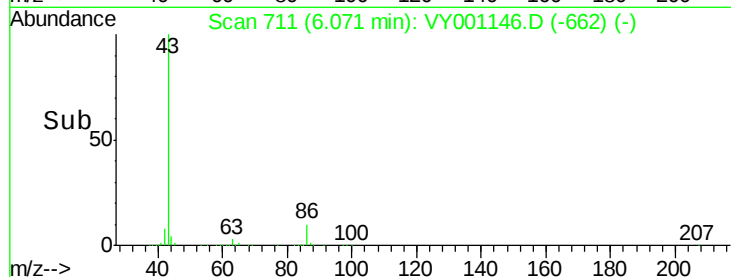
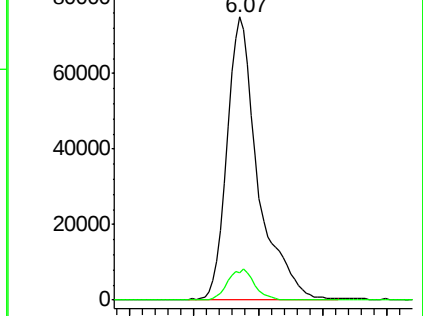
43 100

86 9.9 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 13.208 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

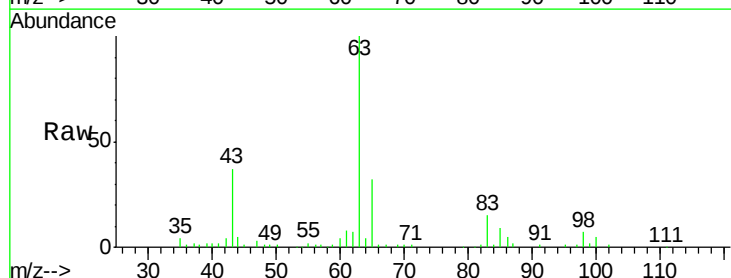
Tgt Ion: 63 Resp: 43148

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

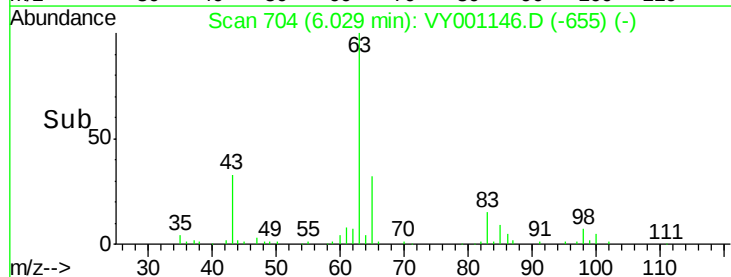
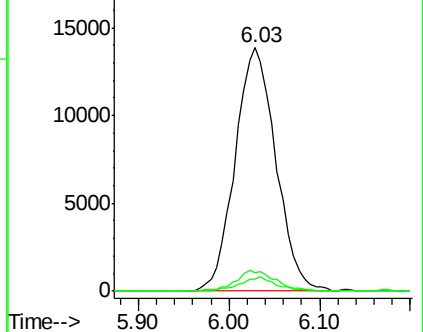
100 4.7 2.4 7.2

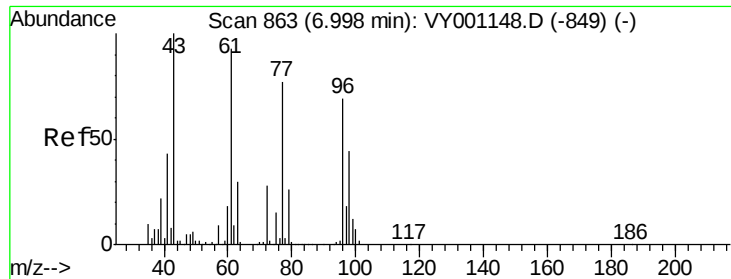


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 67.016 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

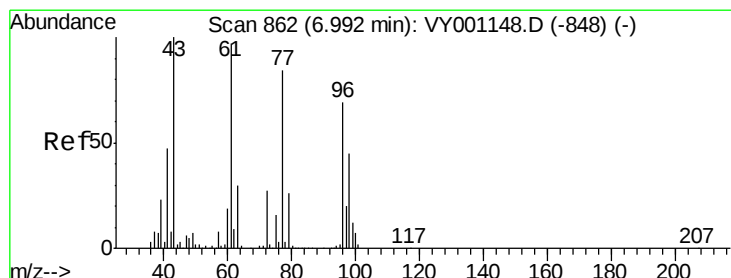
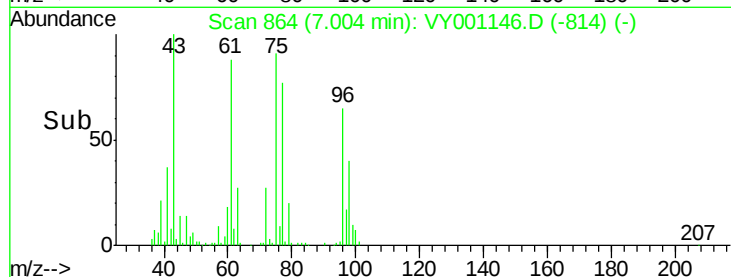
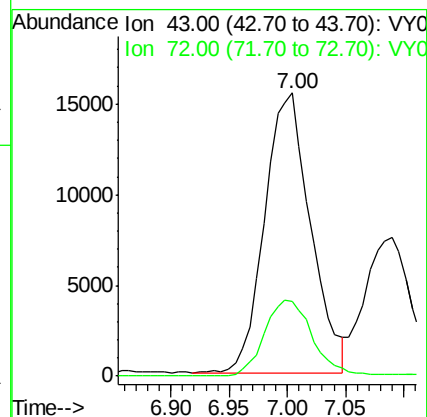
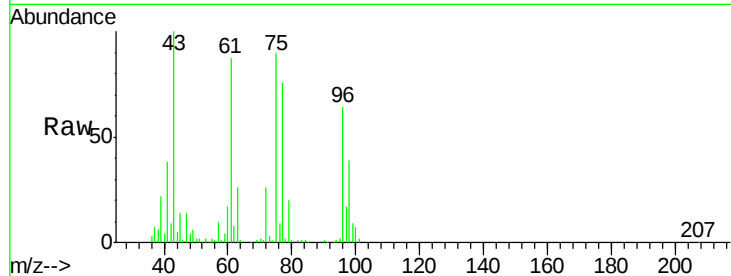
VSTDIC010

Tgt Ion: 43 Resp: 42225

Ion Ratio Lower Upper

43 100

72 26.6 22.2 33.2



#26

2,2-Dichloropropane

Concen: 11.778 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001146.D

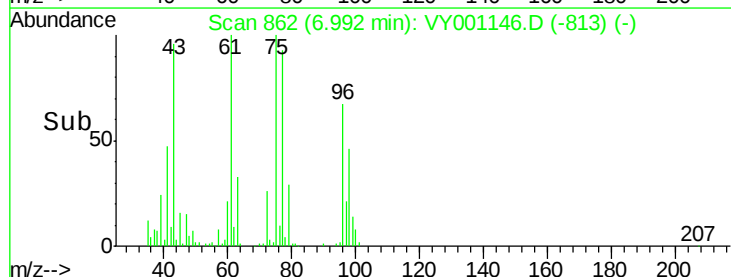
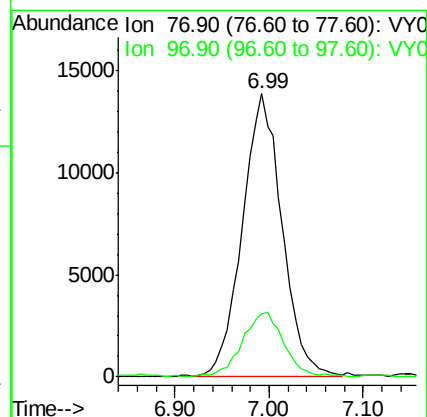
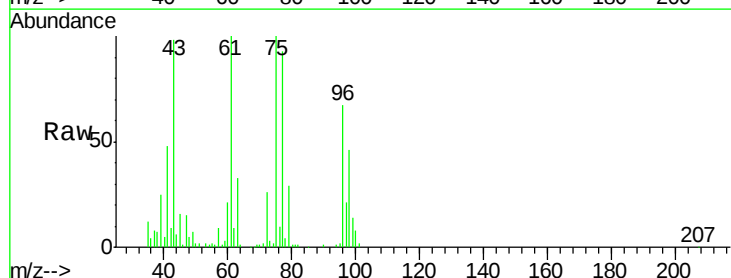
Acq: 10 Jan 2020 14:19

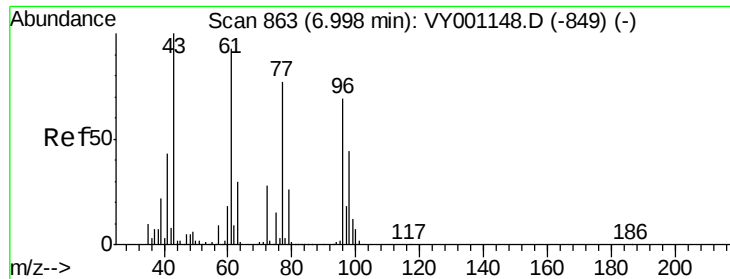
Tgt Ion: 77 Resp: 40928

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.7



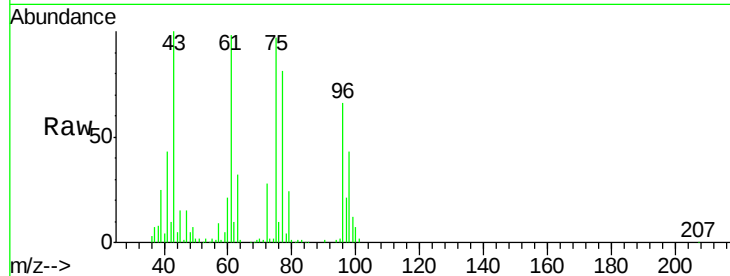


#27

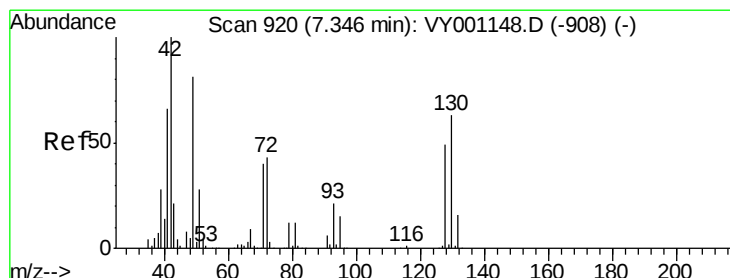
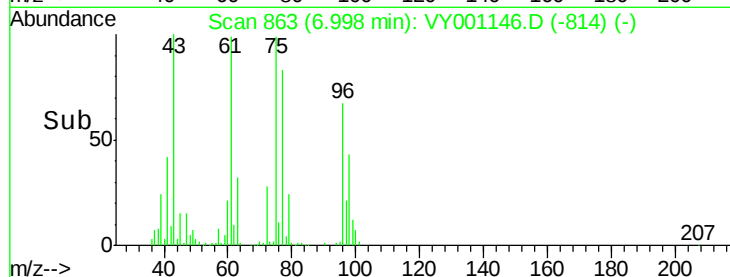
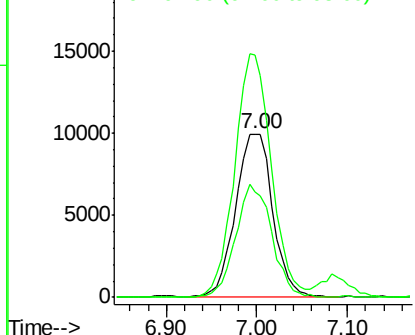
cis-1,2-Dichloroethene
 Concen: 10.412 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 28404
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 284.0
 98 66.4 0.0 130.2



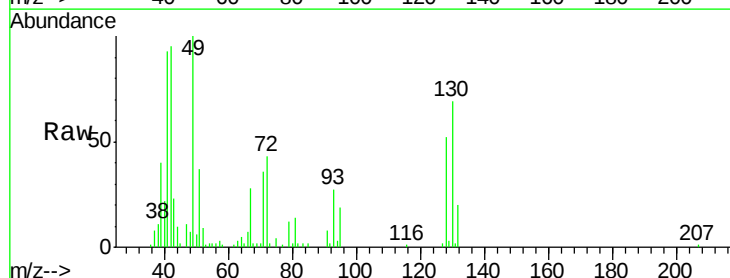
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



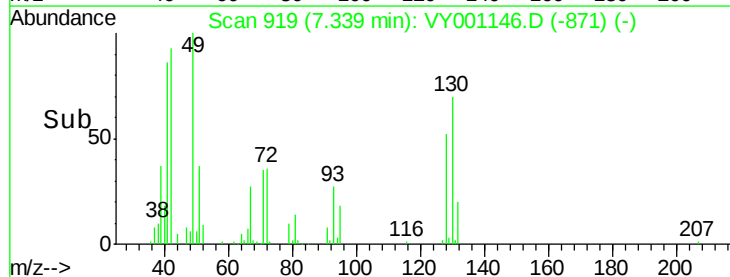
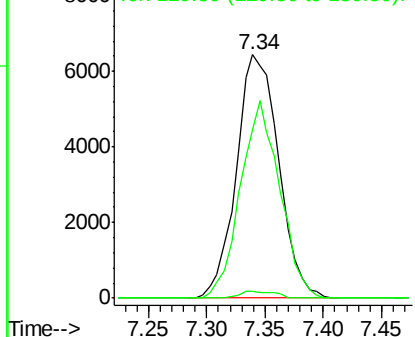
#28

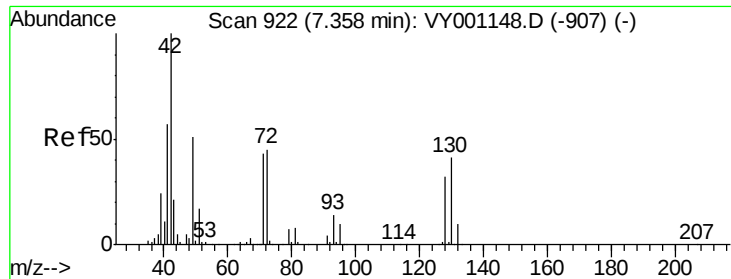
Bromochloromethane
 Concen: 12.669 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion: 49 Resp: 16301
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 75.5 61.2 91.8



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

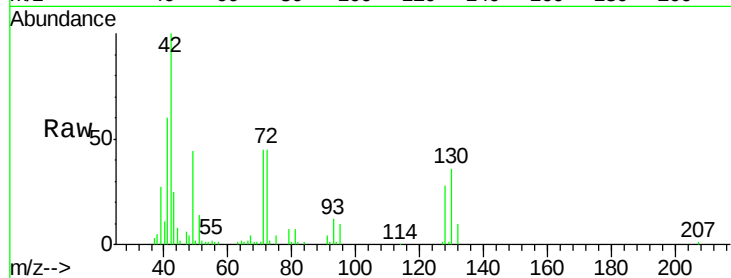




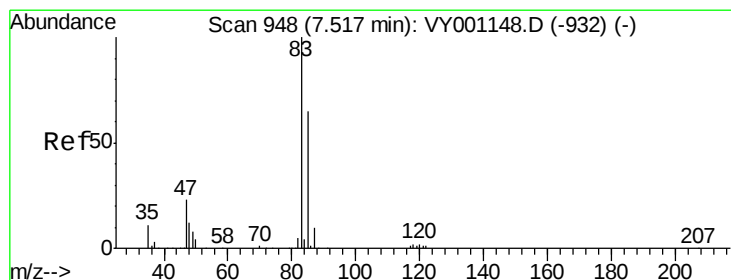
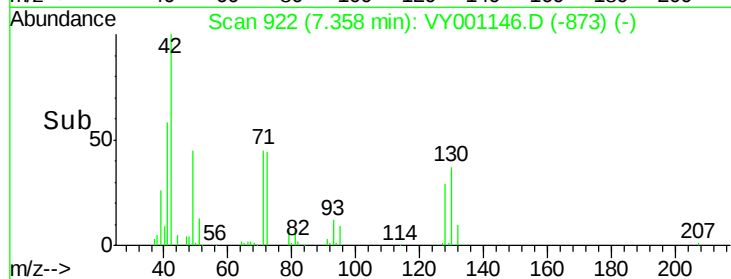
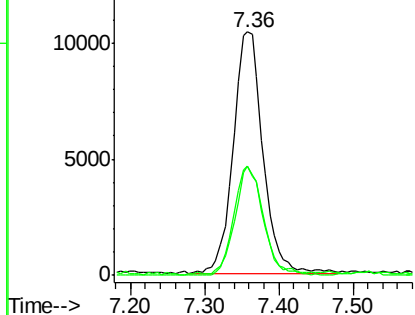
#29
Tetrahydrofuran
Concen: 68.471 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 29177
Ion Ratio Lower Upper
42 100
72 44.6 36.9 55.3
71 42.1 34.0 51.0

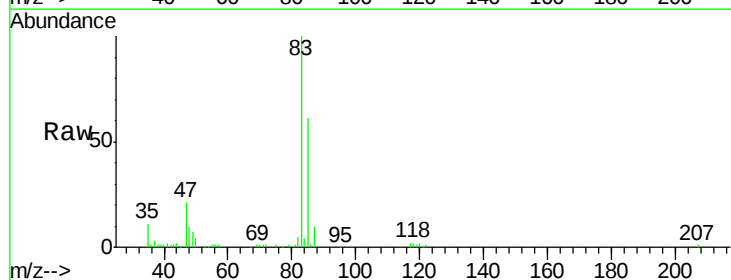


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

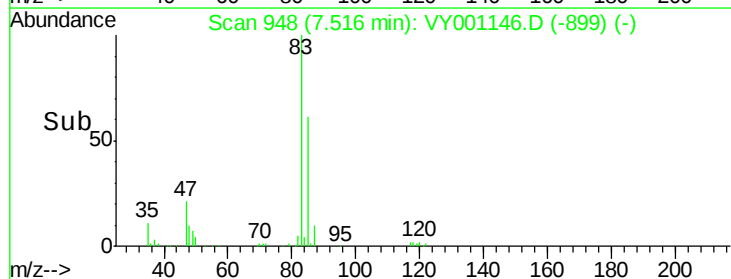
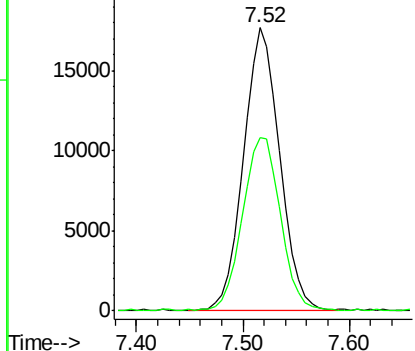


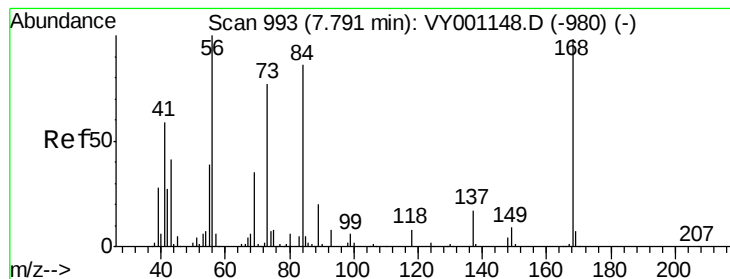
#30
Chloroform
Concen: 10.799 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 83 Resp: 42385
Ion Ratio Lower Upper
83 100
85 61.4 51.9 77.9



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





#31

Cyclohexane

Concen: 12.449 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

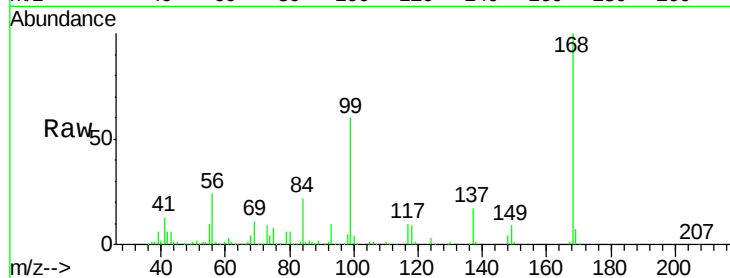
Tgt Ion: 56 Resp: 47352

Ion Ratio Lower Upper

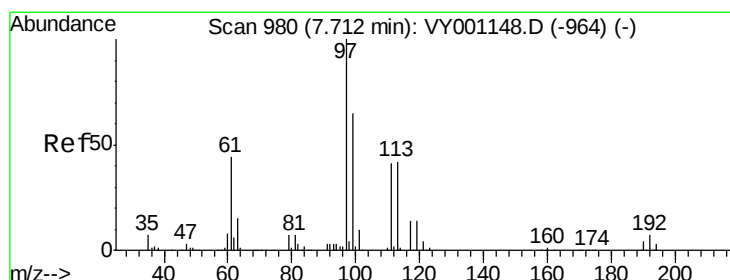
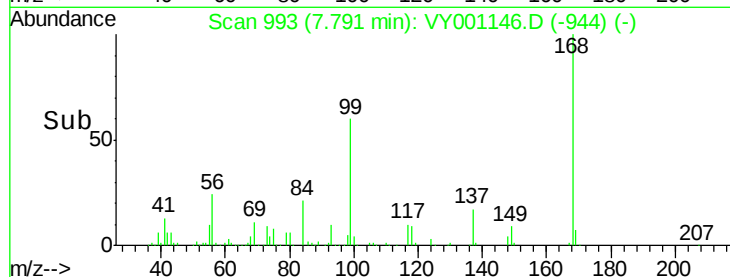
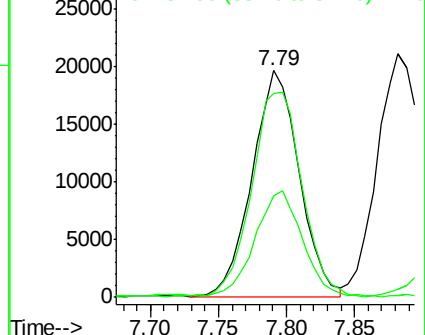
56 100

69 44.3 27.8 41.8#

84 89.7 68.9 103.3



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



#32

1,1,1-Trichloroethane

Concen: 10.538 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

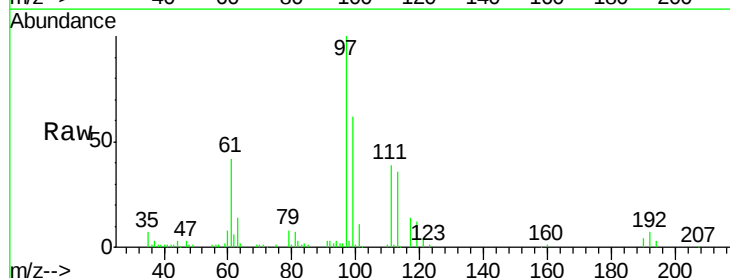
Tgt Ion: 97 Resp: 38123

Ion Ratio Lower Upper

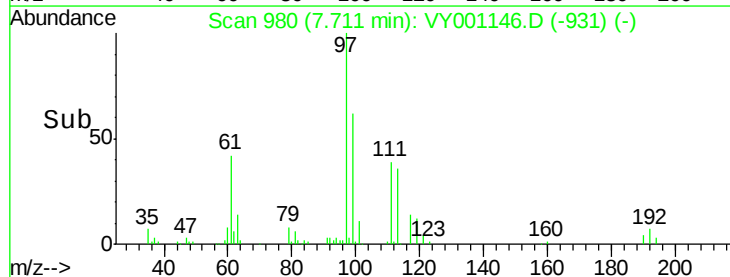
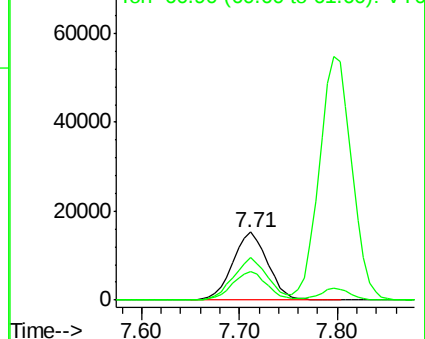
97 100

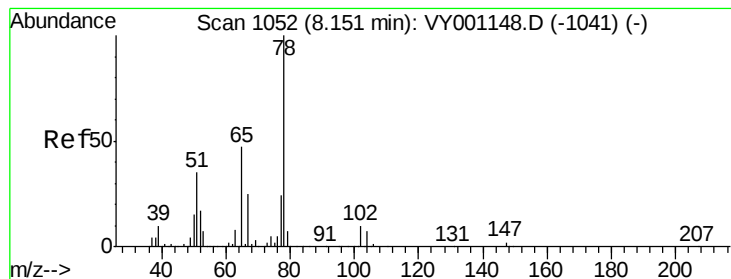
99 61.6 51.3 76.9

61 42.1 34.6 52.0



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





#33

1,2-Dichloroethane-d4

Concen: 11.638 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

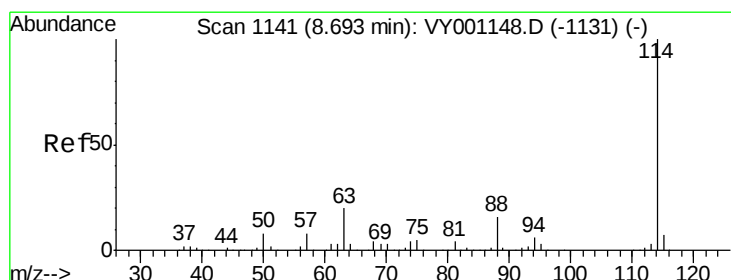
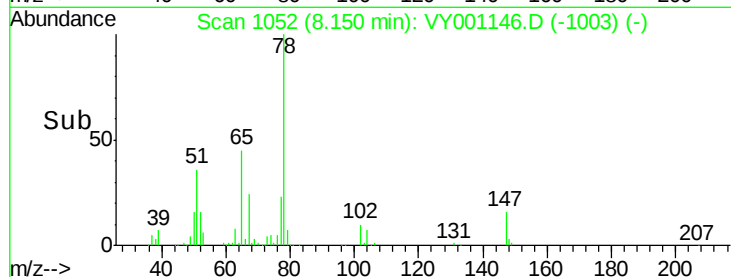
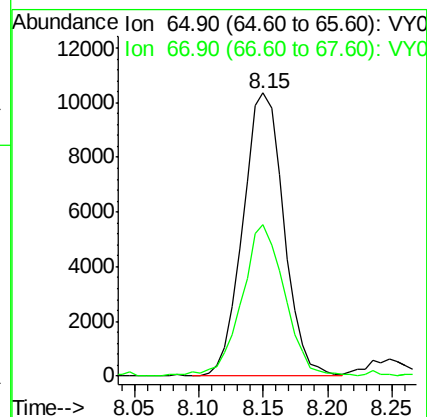
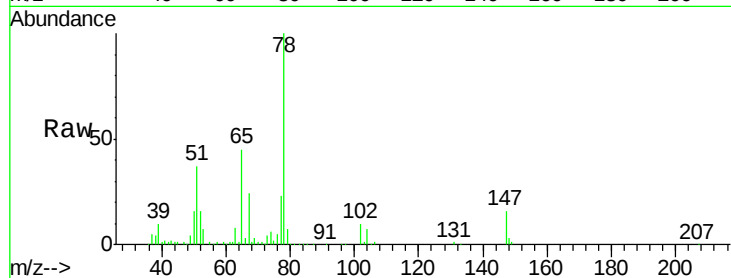
VSTDIC010

Tgt Ion: 65 Resp: 22748

Ion Ratio Lower Upper

65 100

67 56.4 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

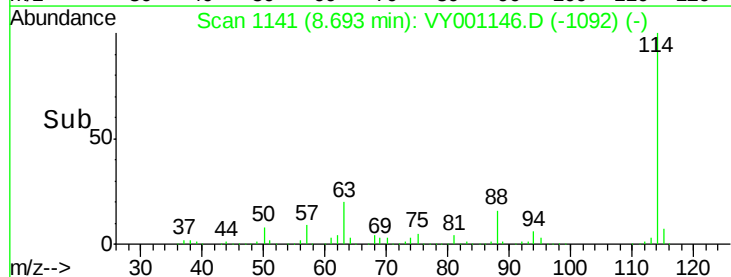
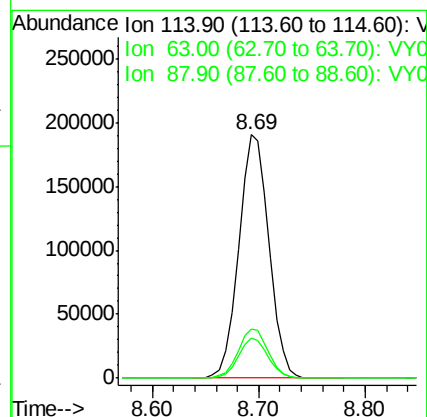
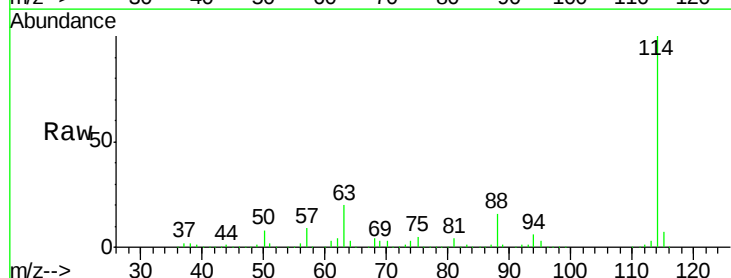
Tgt Ion: 114 Resp: 377146

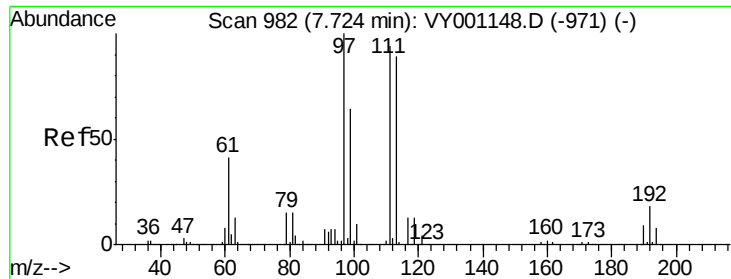
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 16.3 0.0 32.4

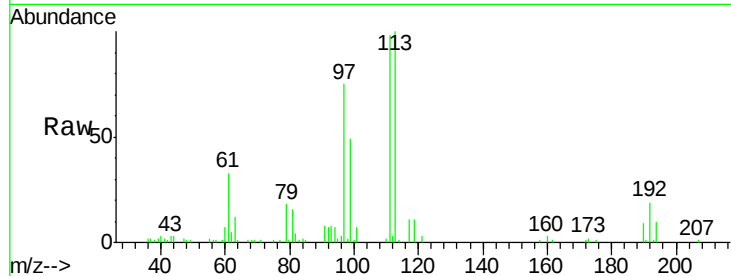




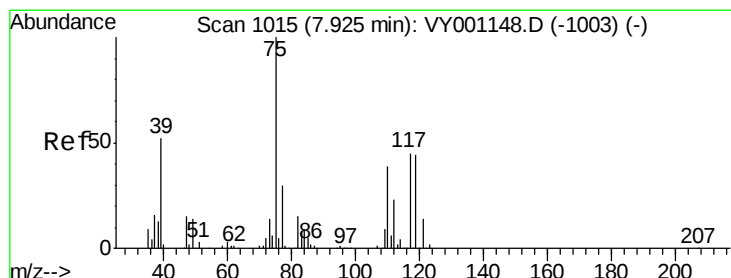
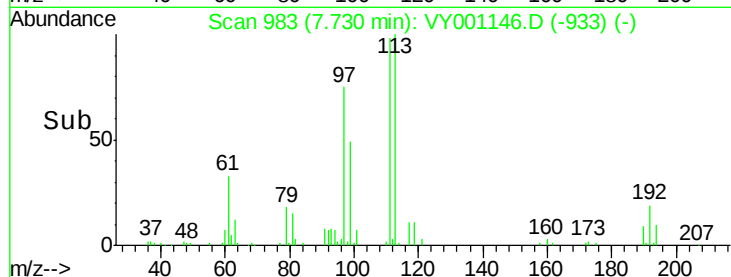
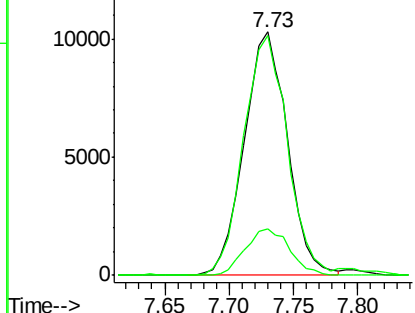
#35
 Dibromofluoromethane
 Concen: 11.099 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC010

Tgt Ion: 113 Resp: 23855
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.9 124.3
 192 19.6 15.4 23.2

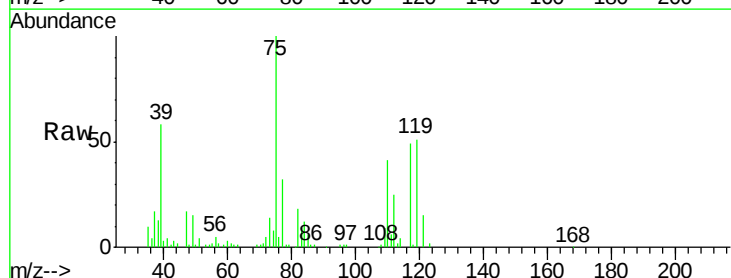


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

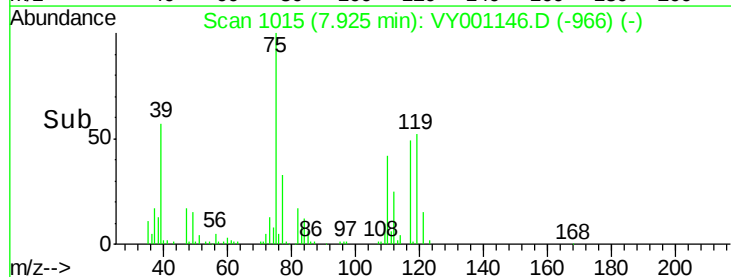
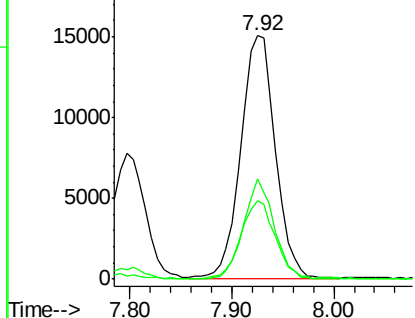


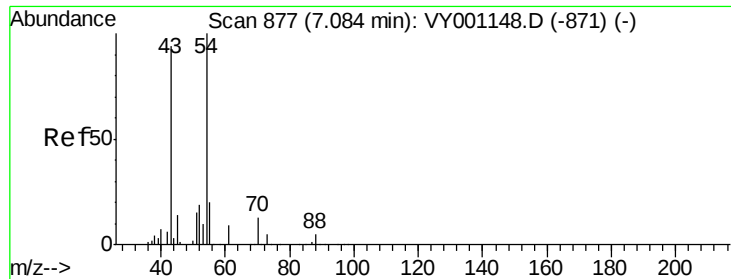
#36
 1,1-Dichloropropene
 Concen: 10.711 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion: 75 Resp: 35282
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.3 54.8
 77 32.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

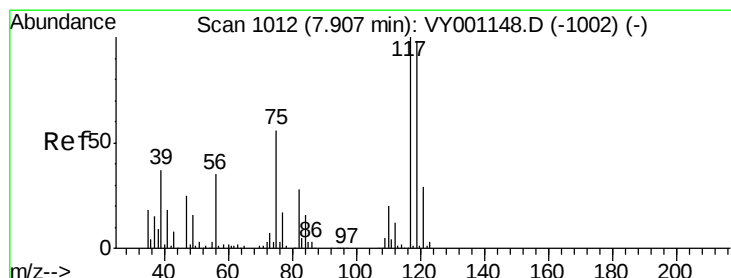
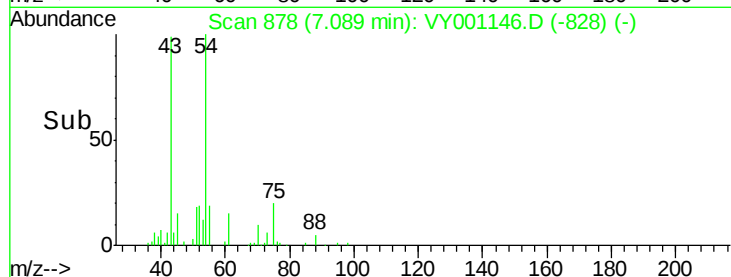
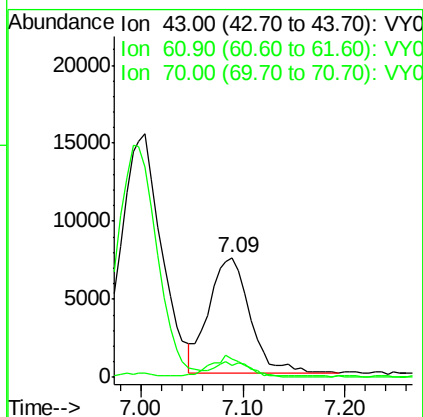
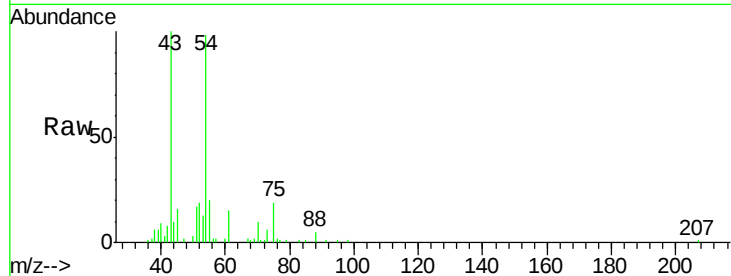




#37
Ethyl Acetate
Concen: 14.203 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

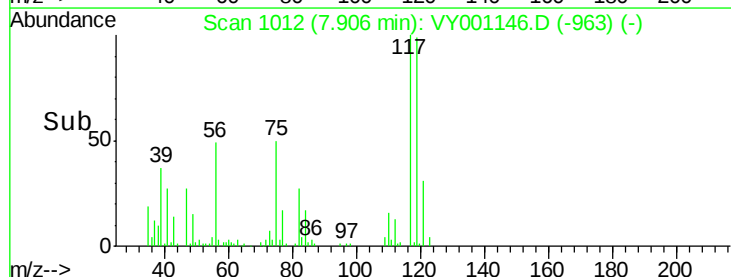
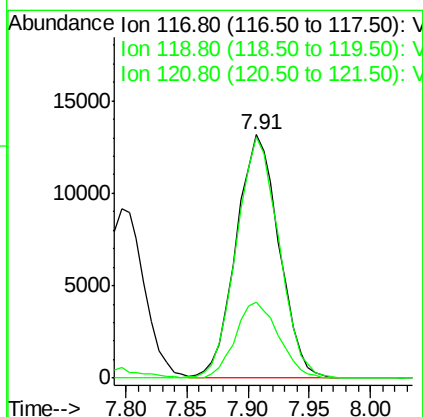
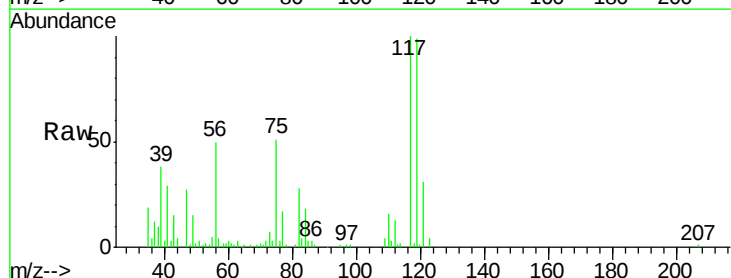
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

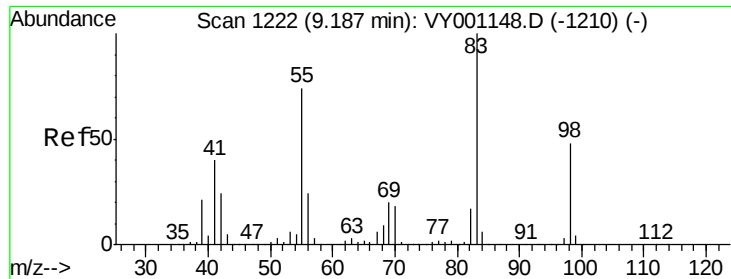
Tgt Ion: 43 Resp: 20724
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 11.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 9.579 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 117 Resp: 32120
Ion Ratio Lower Upper
117 100
119 98.8 78.3 117.5
121 30.9 23.5 35.3

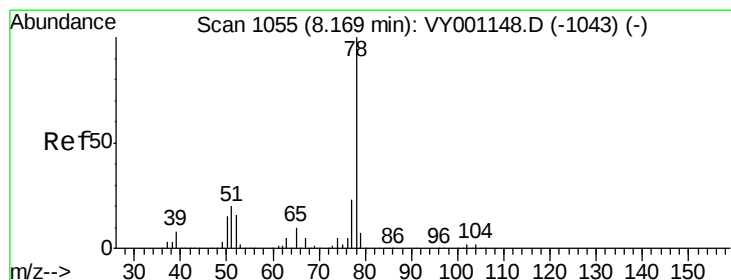
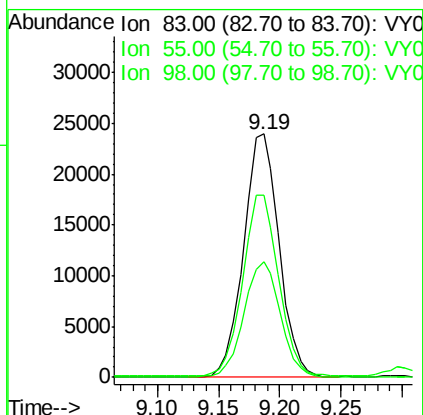
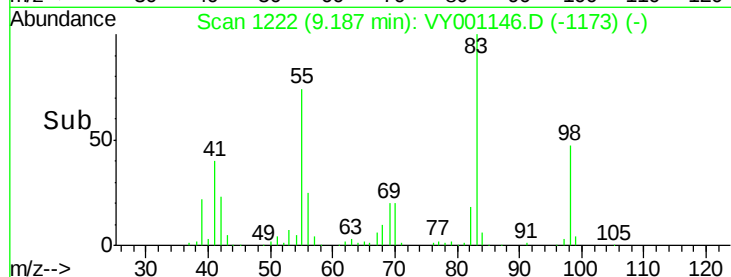
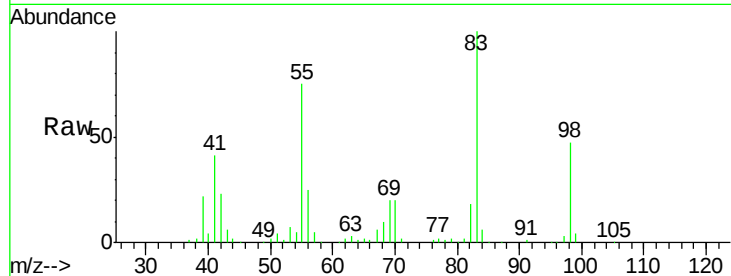




#39
Methylcyclohexane
Concen: 10.660 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

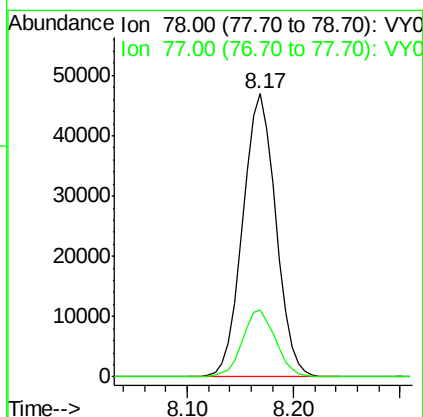
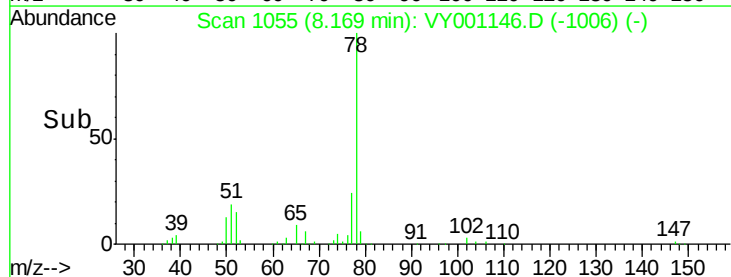
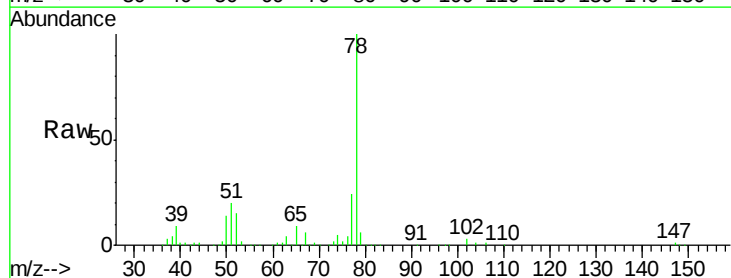
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

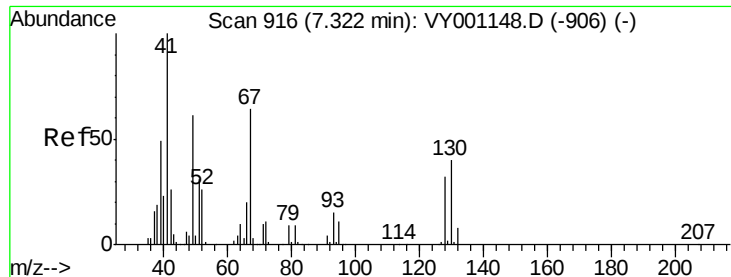
Tgt Ion: 83 Resp: 48503
Ion Ratio Lower Upper
83 100
55 74.1 58.9 88.3
98 47.3 38.4 57.6



#40
Benzene
Concen: 10.213 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 78 Resp: 102739
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 36.084 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.04 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 26099

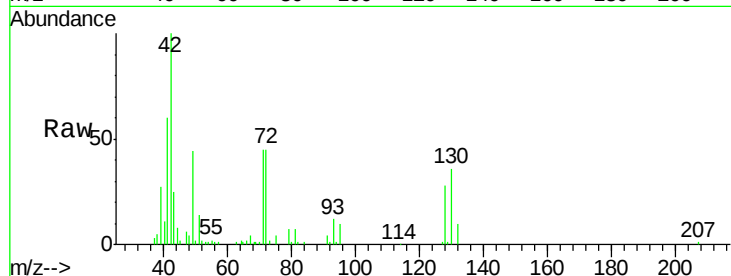
Ion Ratio Lower Upper

41 100

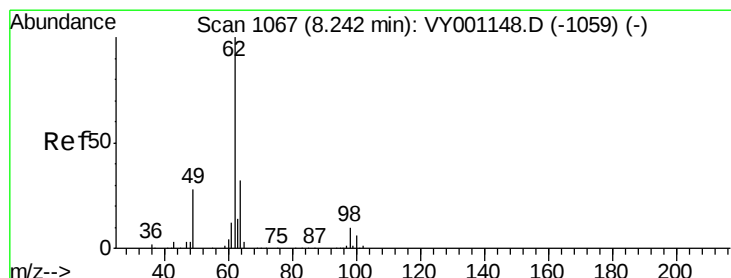
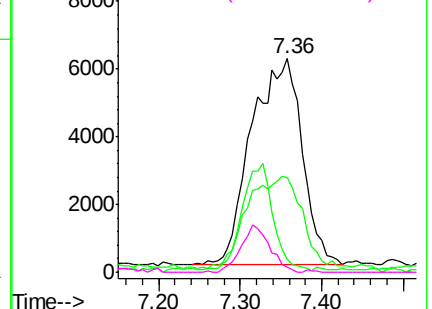
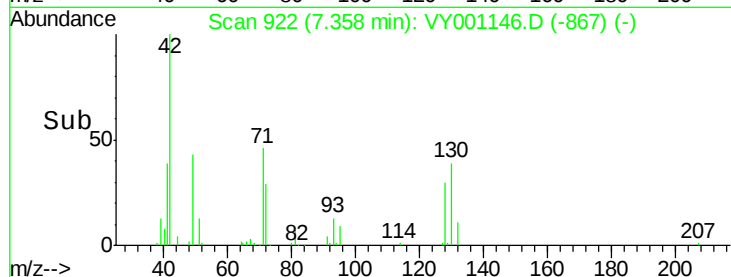
39 48.4 103.5 155.3#

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: 11.439 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY001146.D

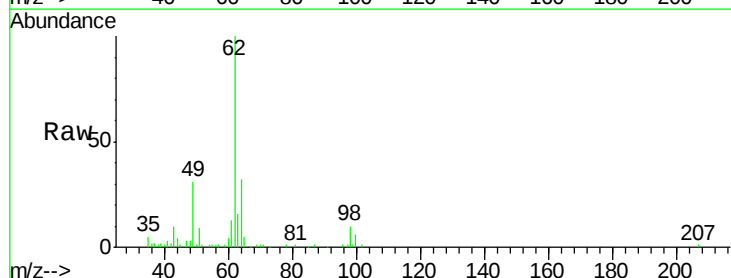
Acq: 10 Jan 2020 14:19

Tgt Ion: 62 Resp: 28255

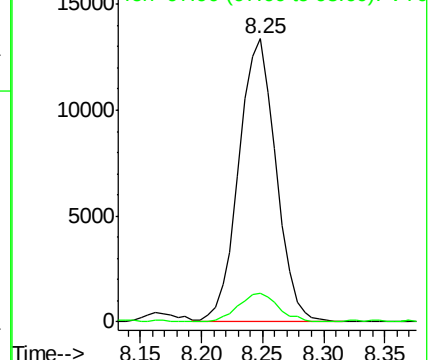
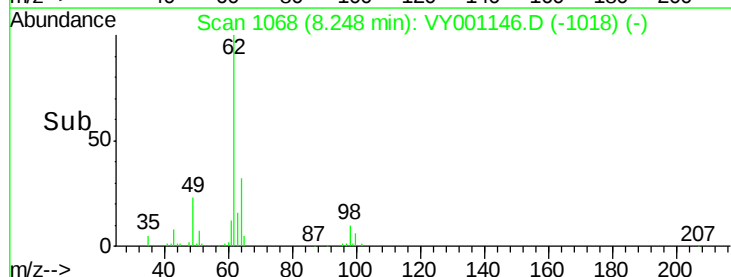
Ion Ratio Lower Upper

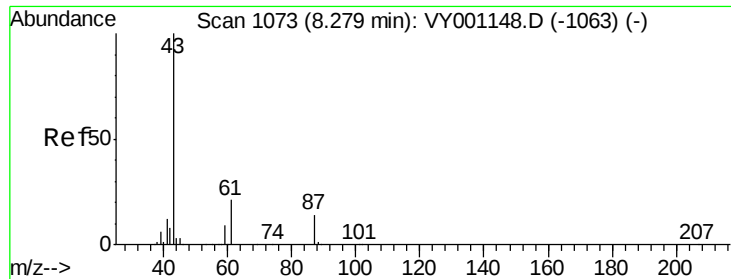
62 100

98 10.8 0.0 20.4



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

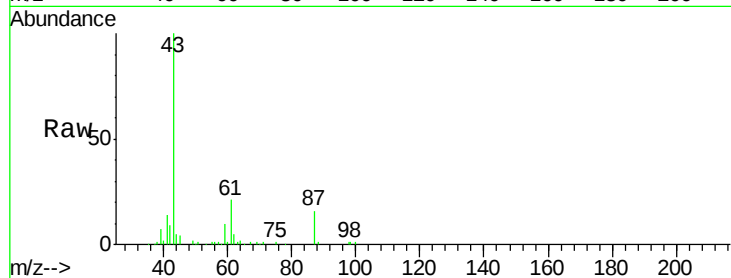




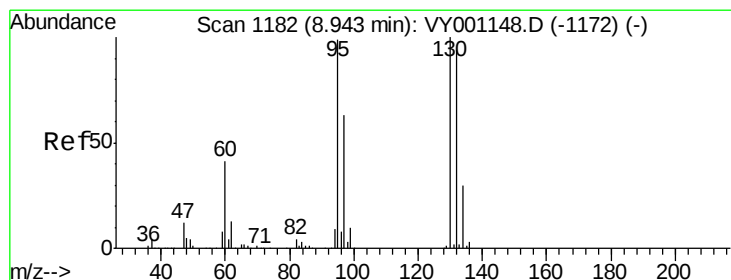
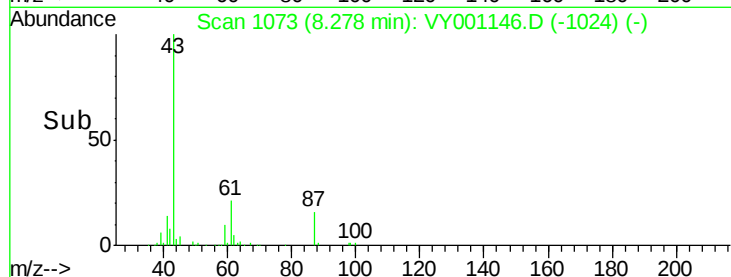
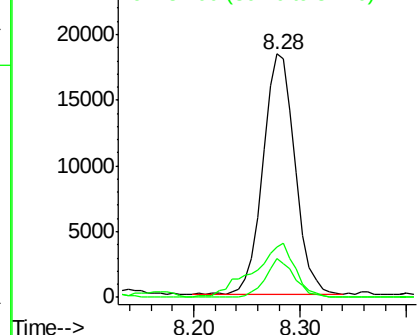
#43
Isopropyl Acetate
Concen: 13.418 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 38680
Ion Ratio Lower Upper
43 100
61 29.2 23.9 35.9
87 14.5 11.4 17.2

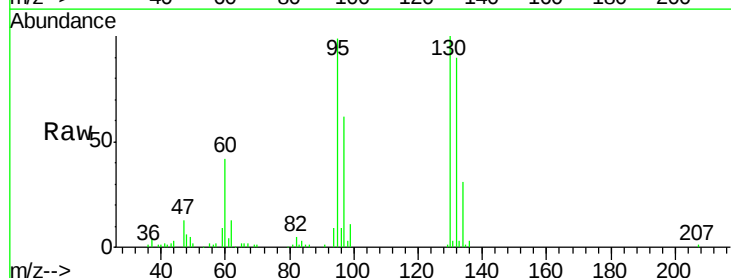


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

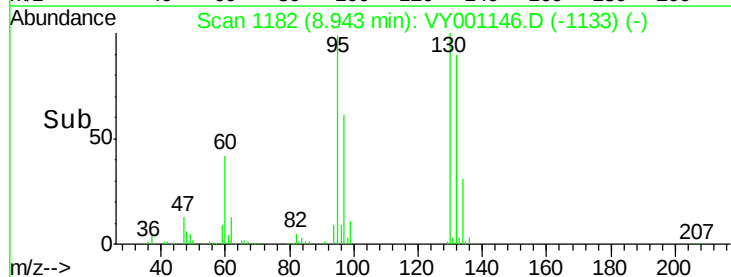
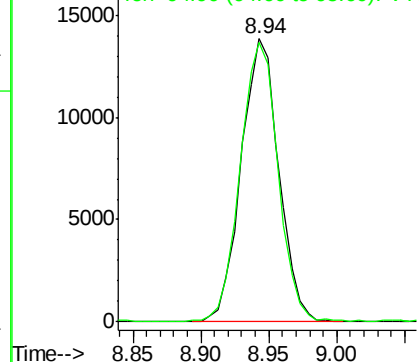


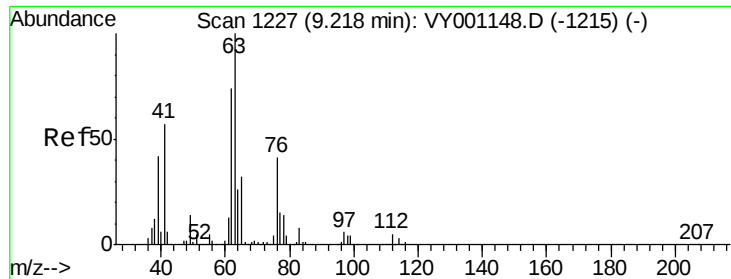
#44
Trichloroethene
Concen: 9.025 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 130 Resp: 26682
Ion Ratio Lower Upper
130 100
95 98.3 0.0 197.6



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





#45

1,2-Dichloropropane

Concen: 11.330 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

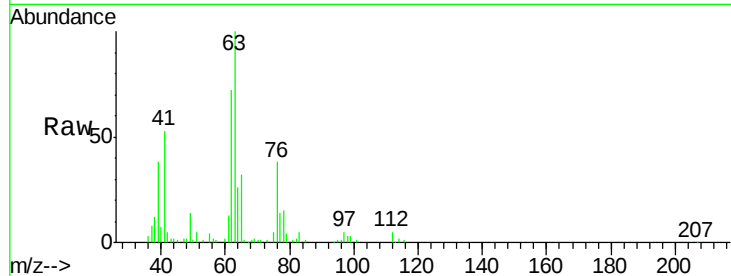
VSTDIC010

Tgt Ion: 63 Resp: 25826

Ion Ratio Lower Upper

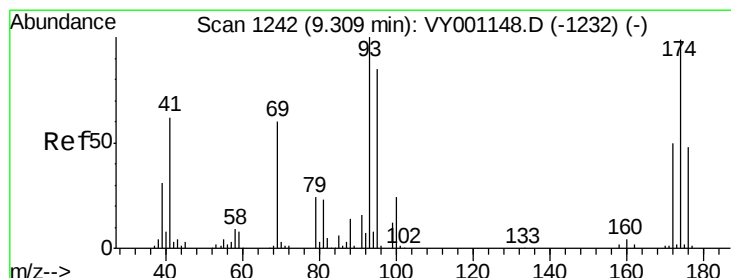
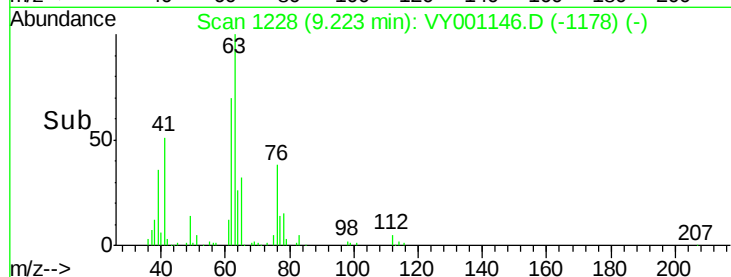
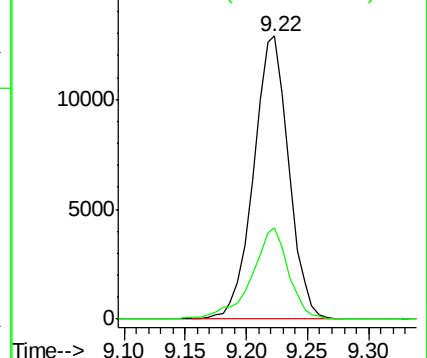
63 100

65 32.2 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 9.987 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

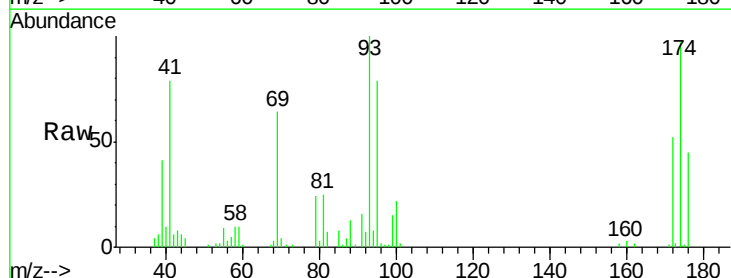
Tgt Ion: 93 Resp: 13312

Ion Ratio Lower Upper

93 100

95 86.8 66.8 100.2

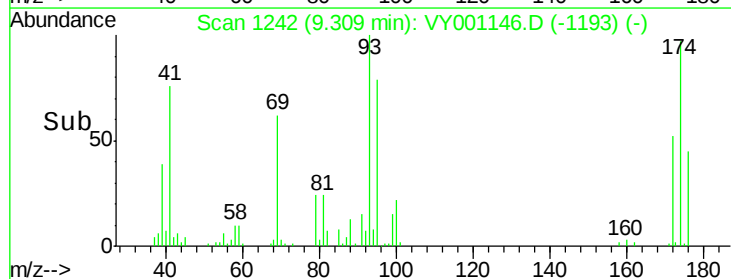
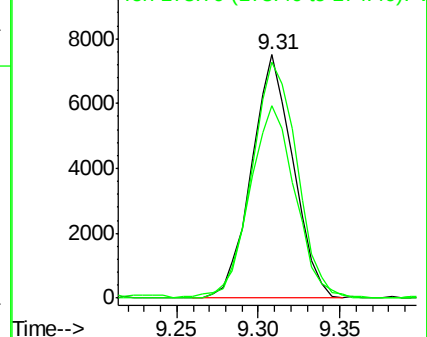
174 104.7 78.4 117.6

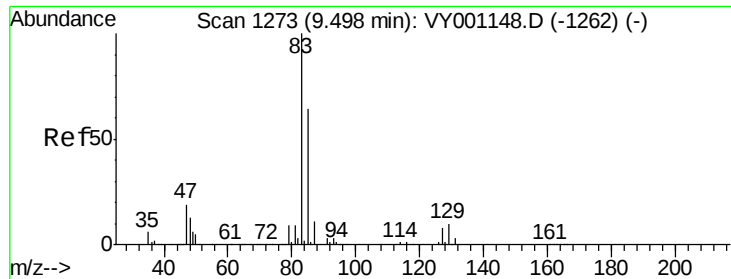


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

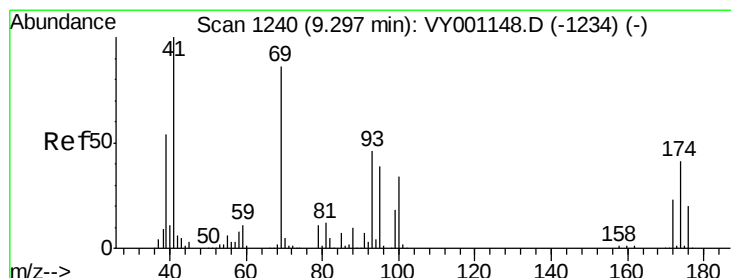
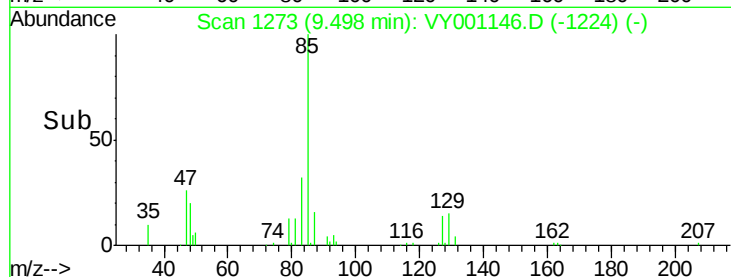
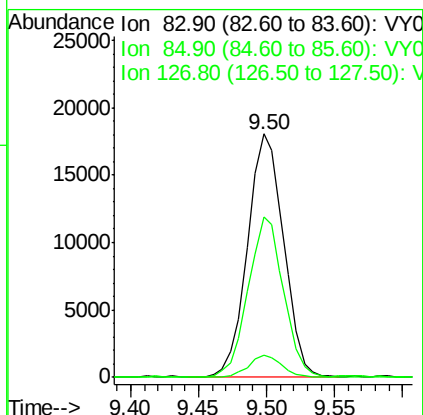
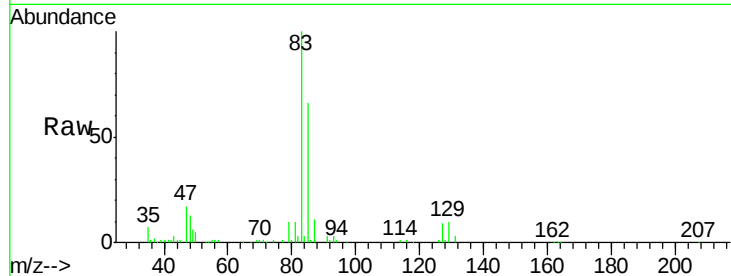




#47
Bromodichloromethane
Concen: 11.103 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

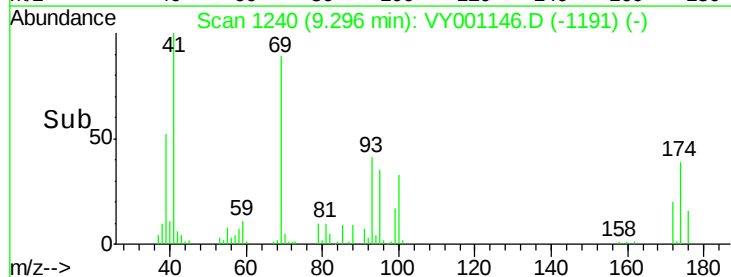
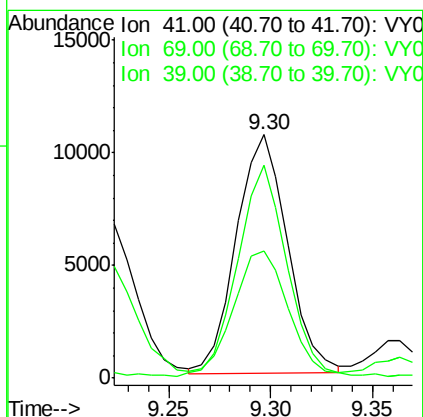
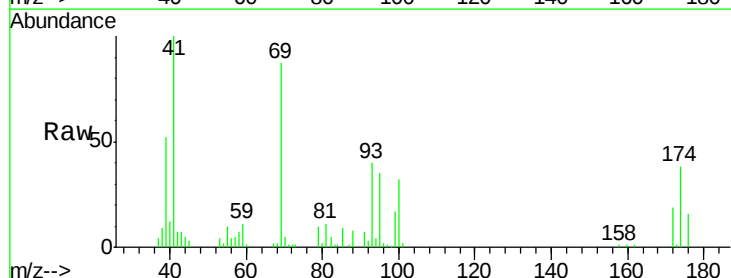
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

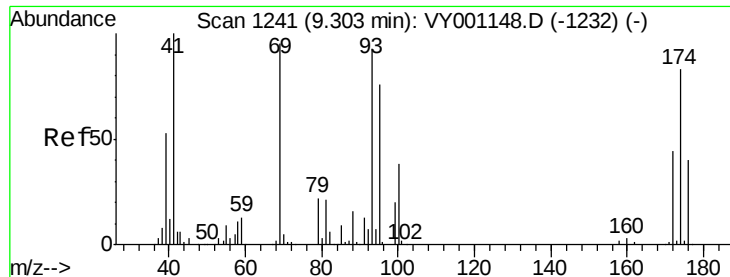
Tgt Ion: 83 Resp: 33700
Ion Ratio Lower Upper
83 100
85 65.5 51.5 77.3
127 9.3 6.3 9.5



#48
Methyl methacrylate
Concen: 14.708 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 41 Resp: 18474
Ion Ratio Lower Upper
41 100
69 84.6 69.8 104.8
39 54.2 45.2 67.8





#49

1,4-Dioxane

Concen: 172.732 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

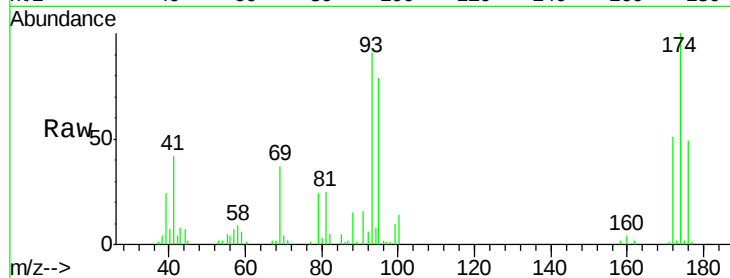
Tgt Ion: 88 Resp: 3408

Ion Ratio Lower Upper

88 100

43 37.7 22.4 33.6#

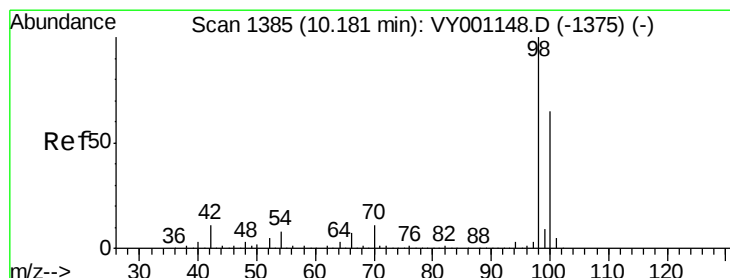
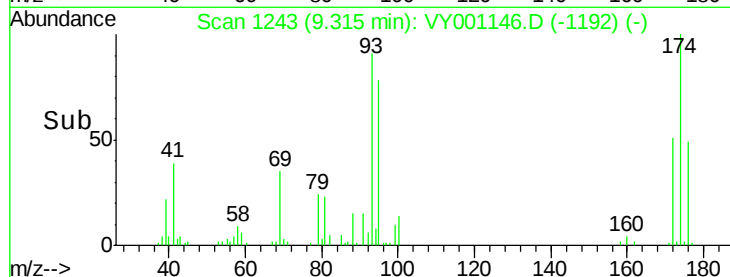
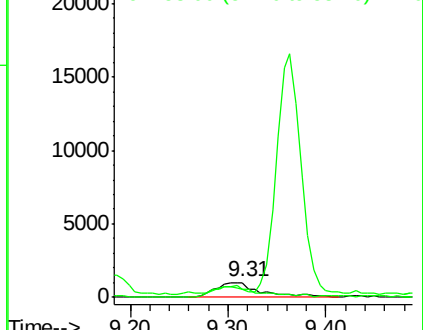
58 71.4 58.0 87.0



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 9.866 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001146.D

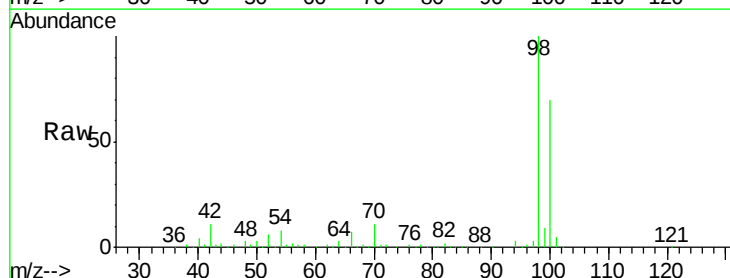
Acq: 10 Jan 2020 14:19

Tgt Ion: 98 Resp: 79050

Ion Ratio Lower Upper

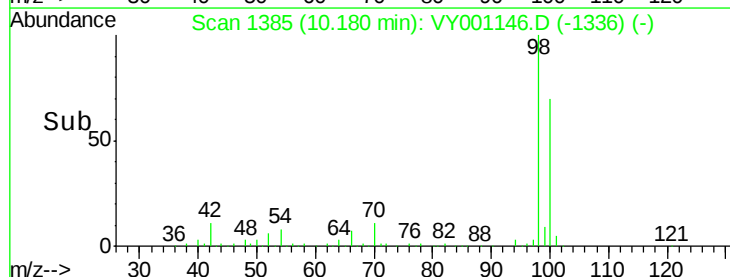
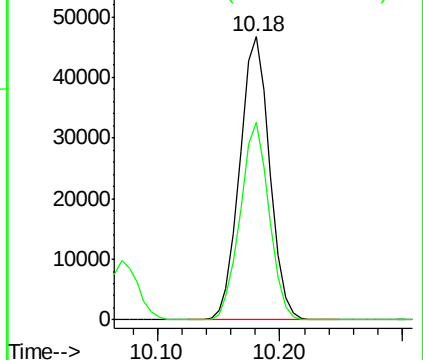
98 100

100 67.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 72.027 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

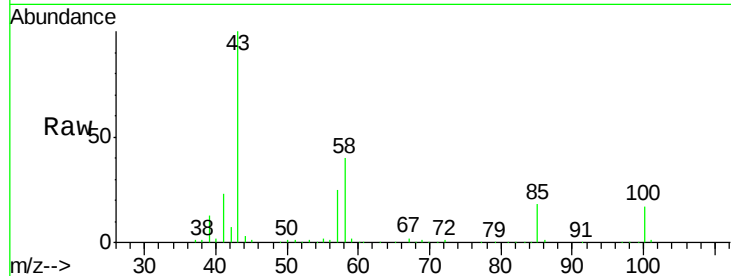
VSTDIC010

Tgt Ion: 43 Resp: 100075

Ion Ratio Lower Upper

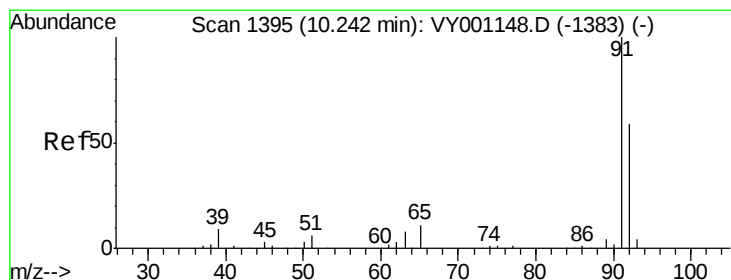
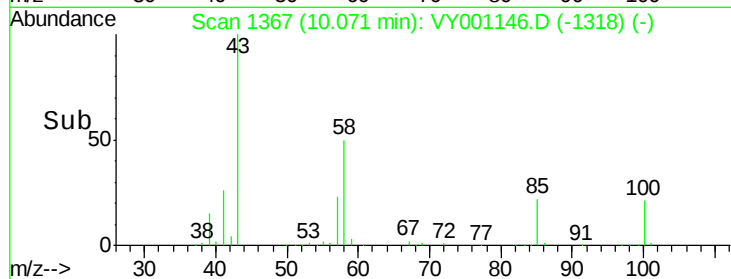
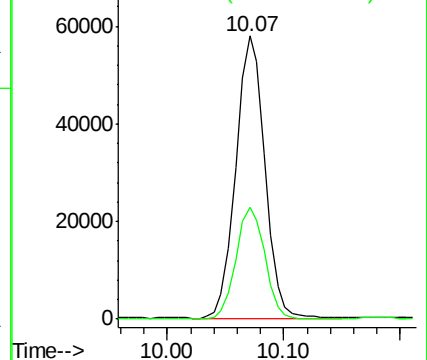
43 100

58 39.8 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 10.467 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001146.D

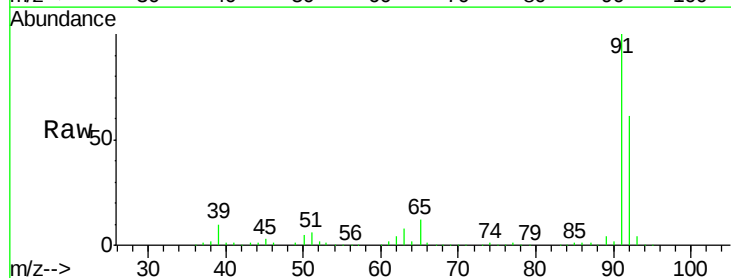
Acq: 10 Jan 2020 14:19

Tgt Ion: 92 Resp: 64997

Ion Ratio Lower Upper

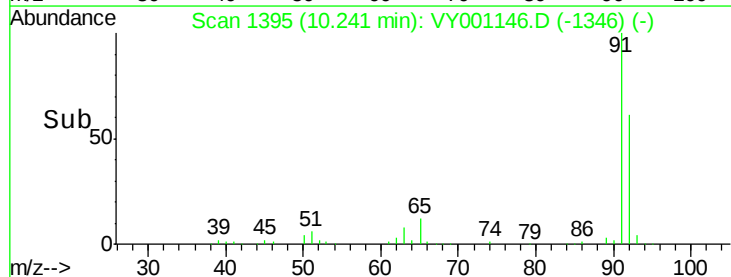
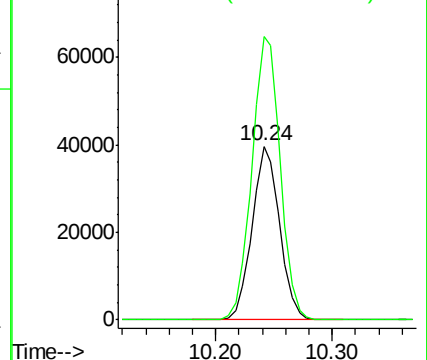
92 100

91 168.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 11.459 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

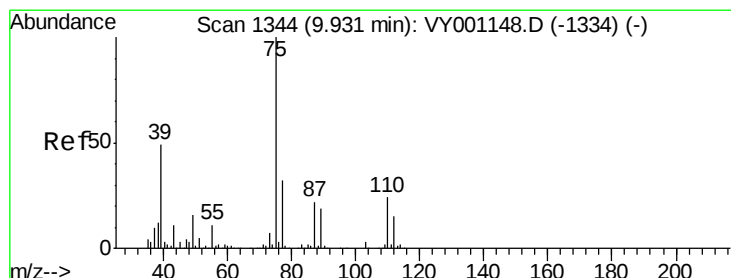
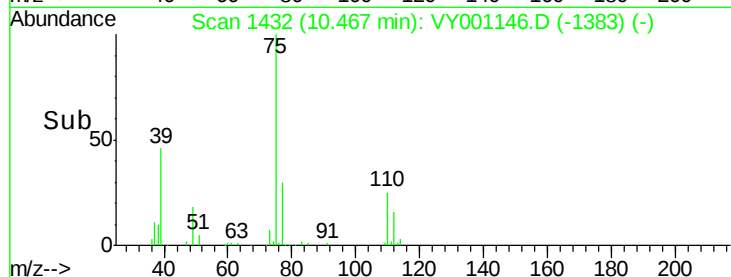
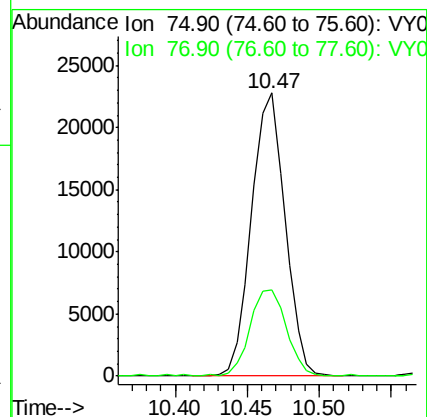
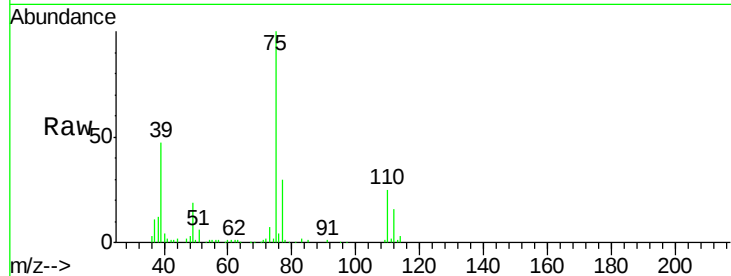
VSTDIC010

Tgt Ion: 75 Resp: 36773

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 11.096 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

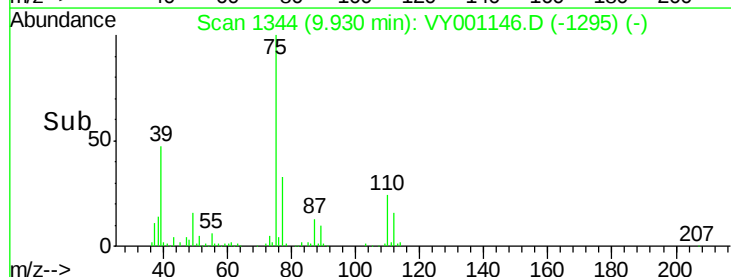
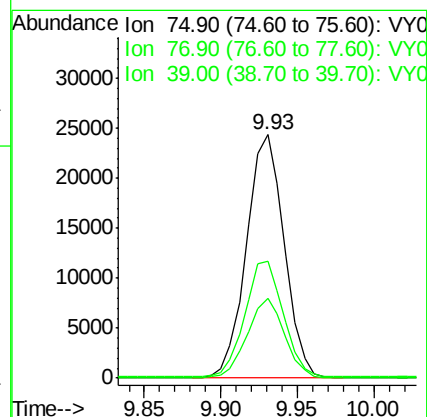
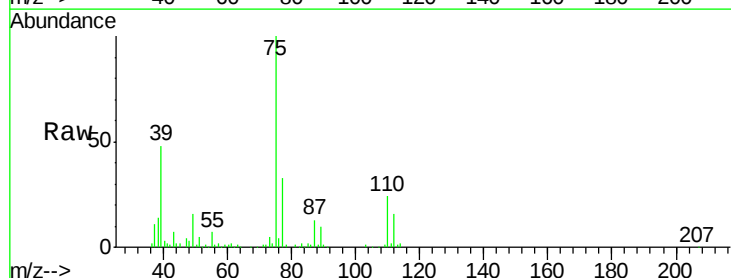
Tgt Ion: 75 Resp: 41809

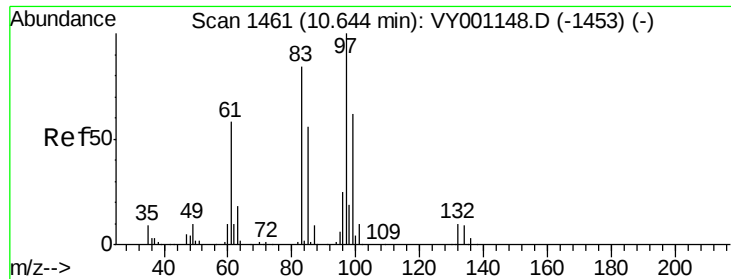
Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9

39 47.3 39.1 58.7

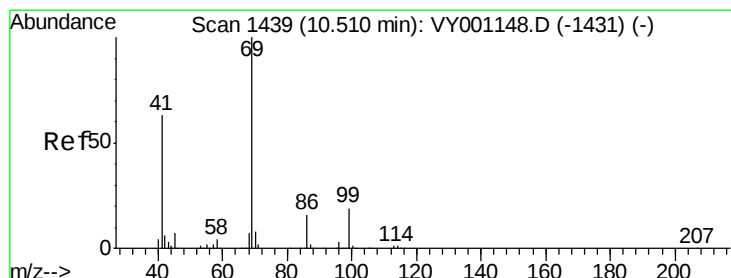
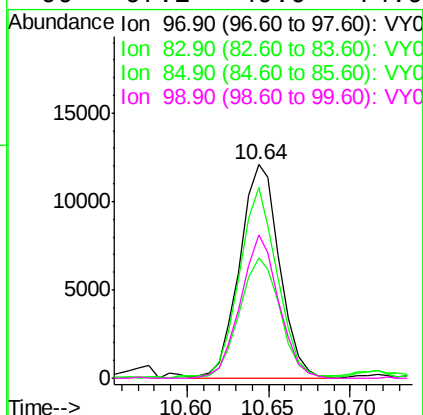
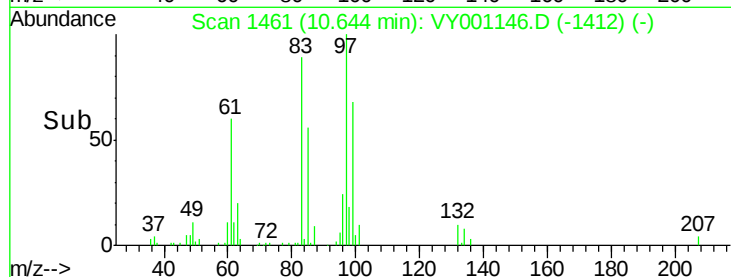
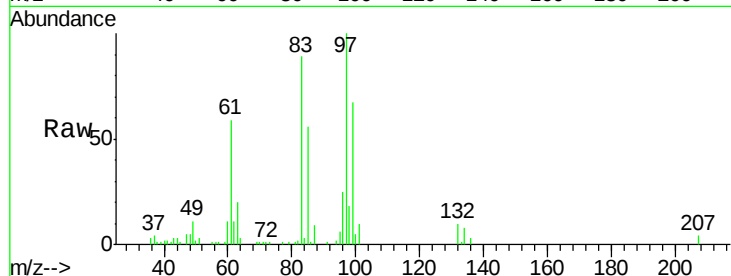




#55
 1,1,2-Trichloroethane
 Concen: 10.754 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

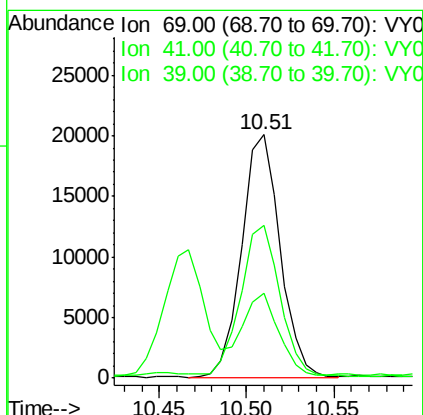
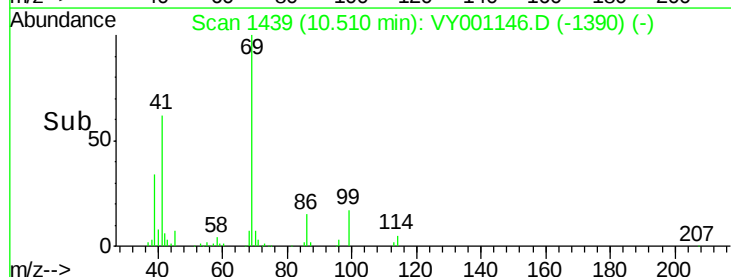
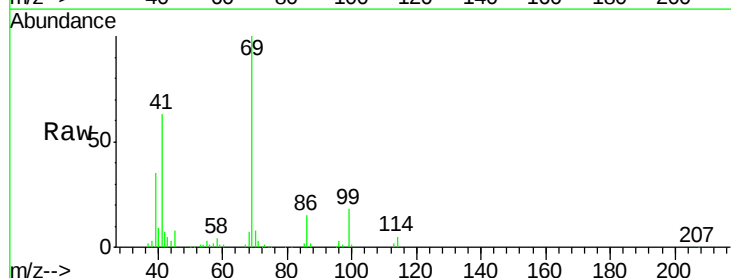
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

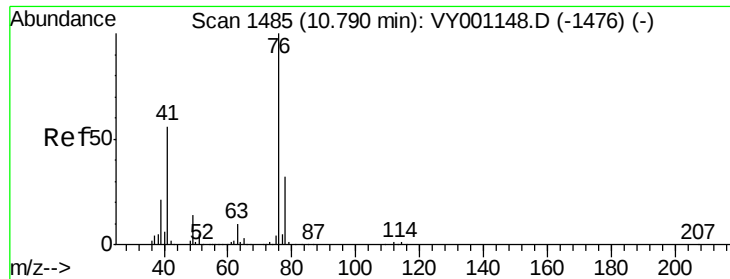
Tgt Ion:	97	Resp:	20570
Ion	Ratio	Lower	Upper
97	100		
83	88.3	67.2	100.8
85	55.5	44.9	67.3
99	67.2	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 12.196 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:	69	Resp:	30914
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.4	77.2
39	33.7	26.3	39.5





#57

1,3-Dichloropropane

Concen: 11.475 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

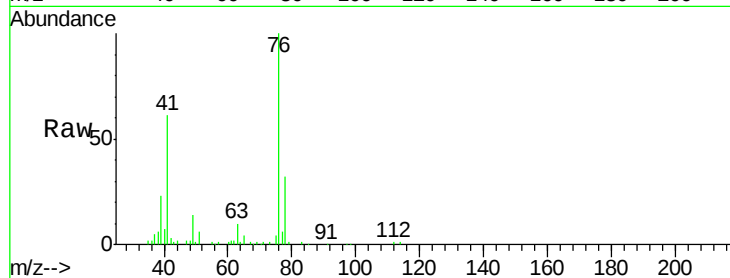
VSTDIC010

Tgt Ion: 76 Resp: 34695

Ion Ratio Lower Upper

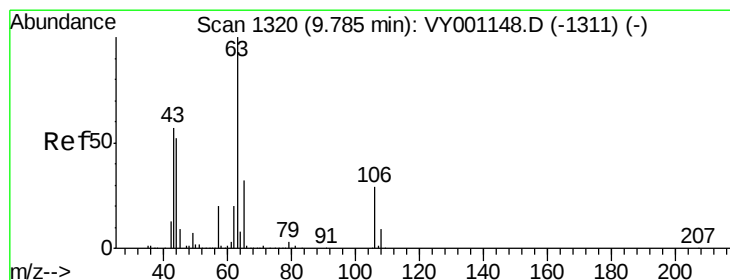
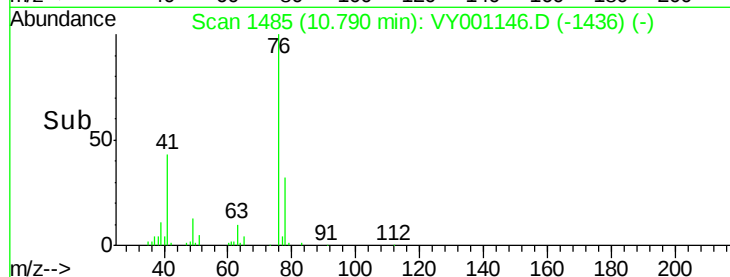
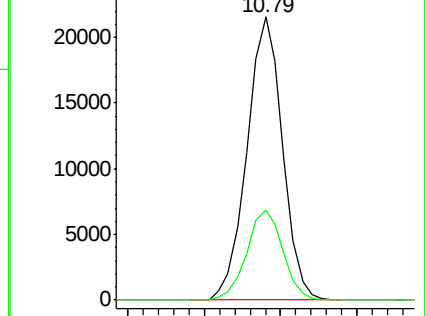
76 100

78 32.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 61.239 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001146.D

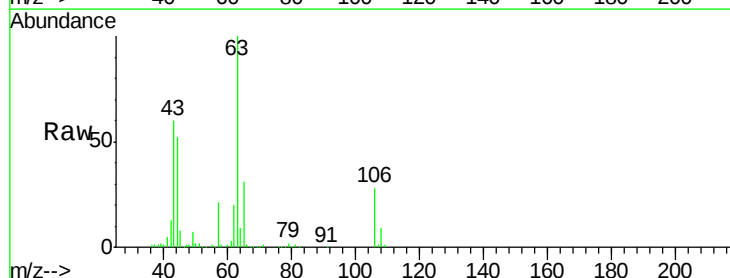
Acq: 10 Jan 2020 14:19

Tgt Ion: 63 Resp: 55763

Ion Ratio Lower Upper

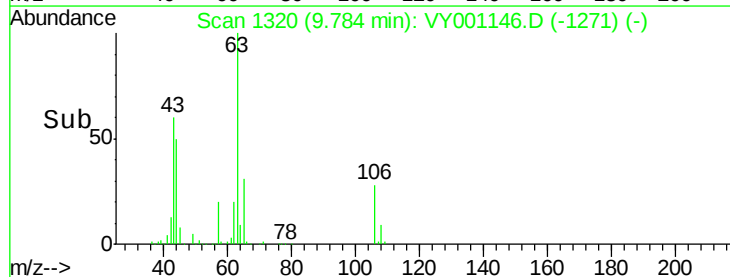
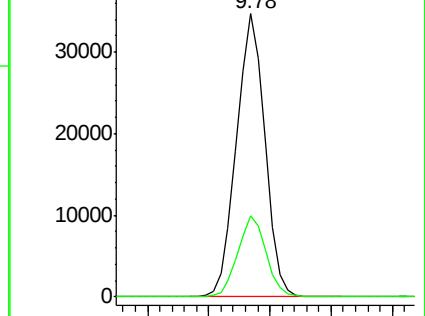
63 100

106 28.4 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

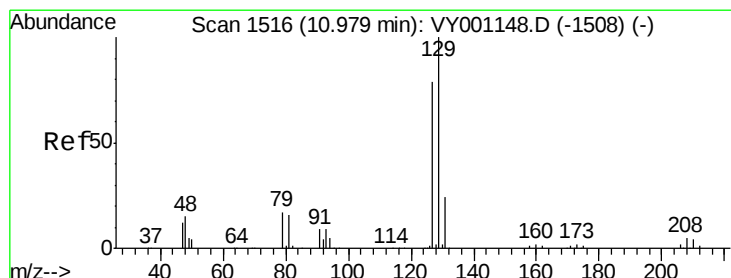
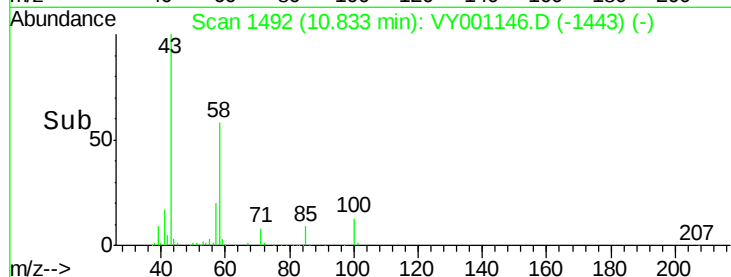
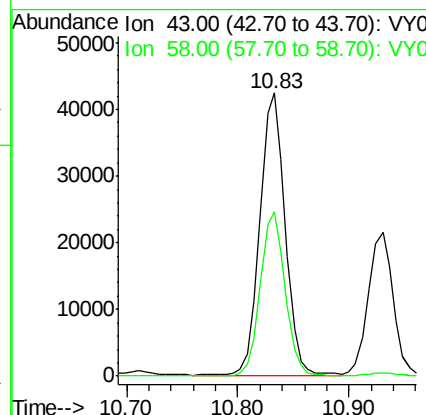
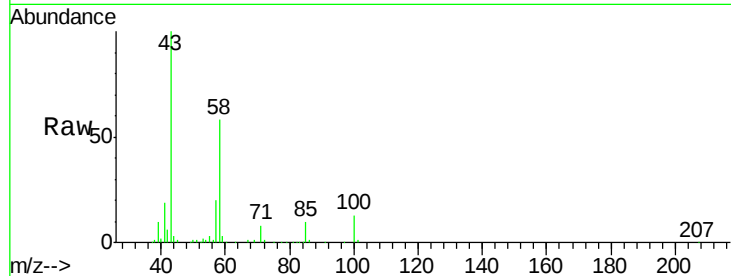




#59
2-Hexanone
Concen: 72.057 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

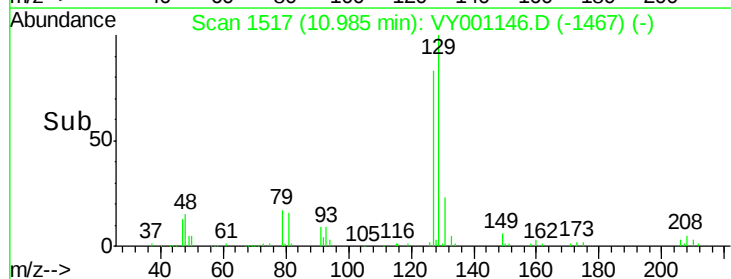
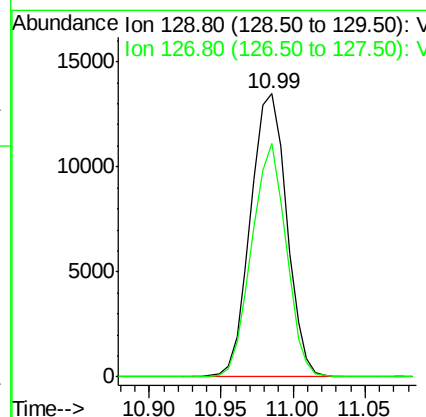
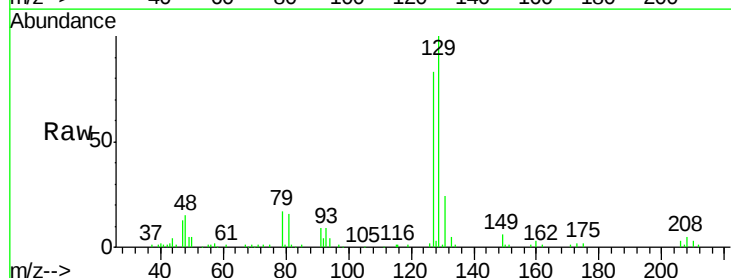
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 66982
Ion Ratio Lower Upper
43 100
58 57.3 28.4 85.2



#60
Dibromochloromethane
Concen: 10.768 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 129 Resp: 23493
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

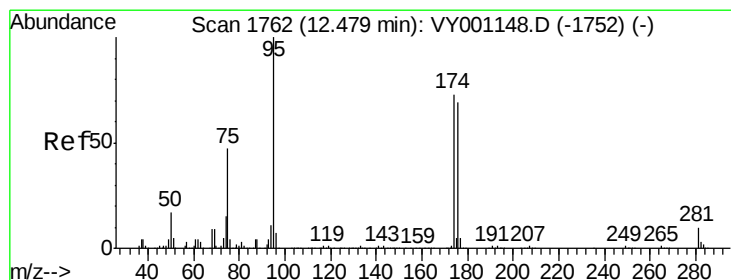
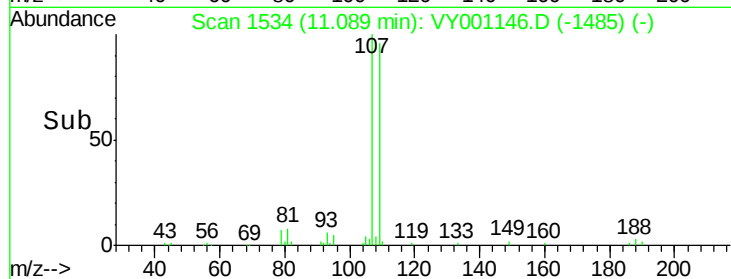
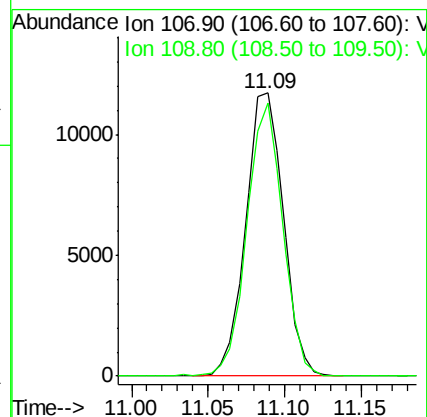
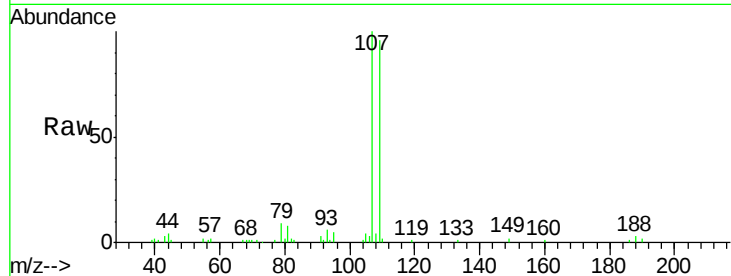




#61
 1,2-Dibromoethane
 Concen: 10.826 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

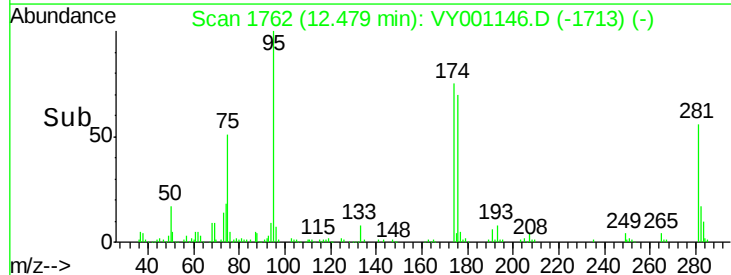
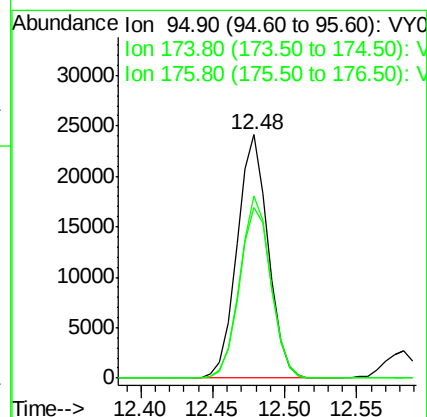
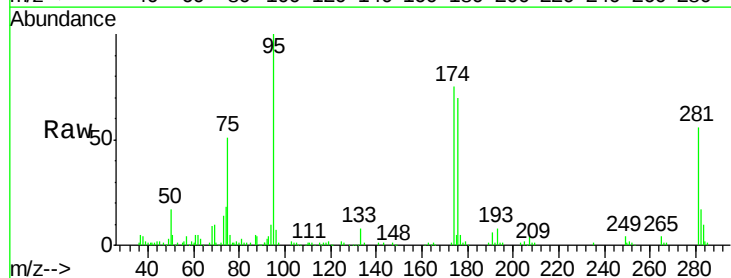
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

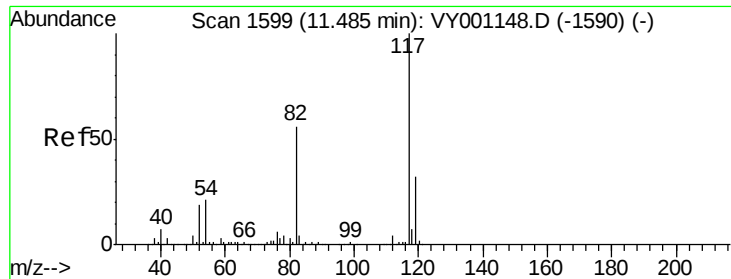
Tgt Ion: 107 Resp: 20058
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 11.756 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion: 95 Resp: 36235
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 143.2
 176 71.6 0.0 136.0

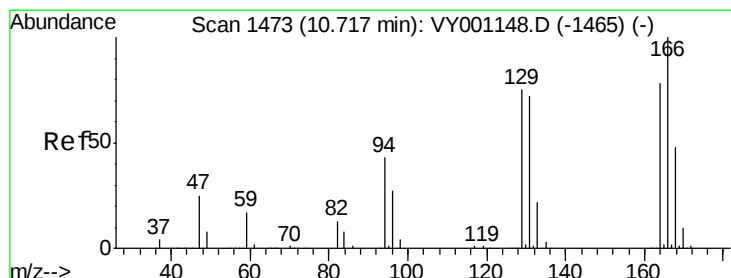
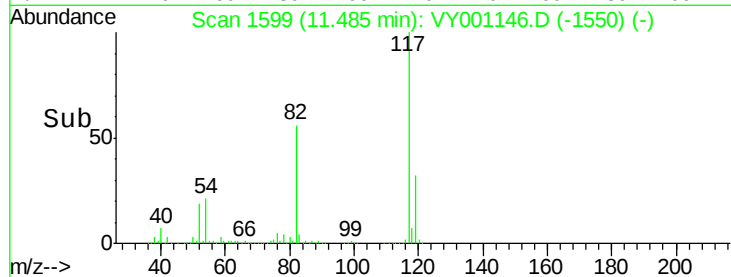
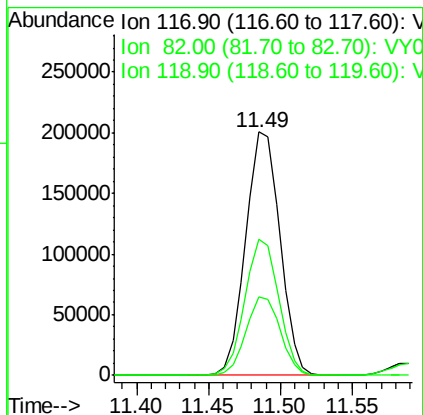
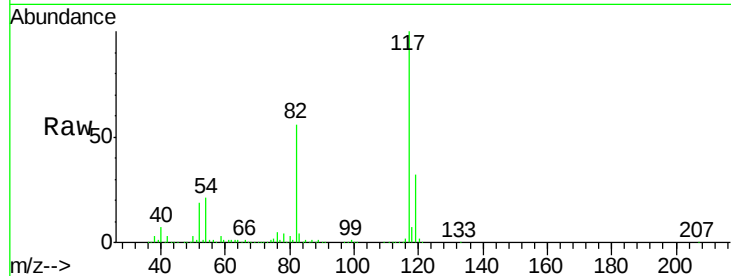




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

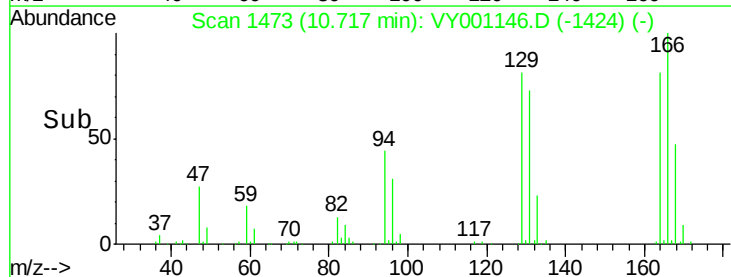
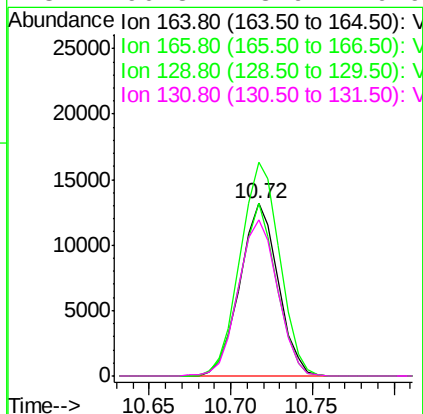
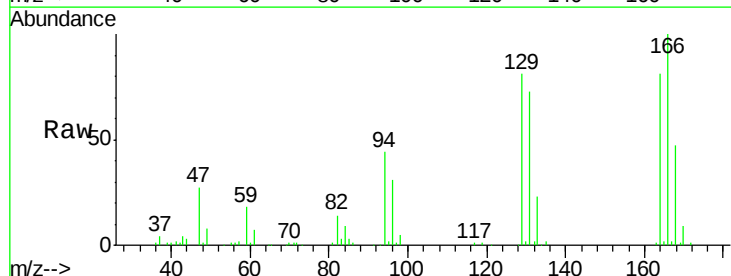
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

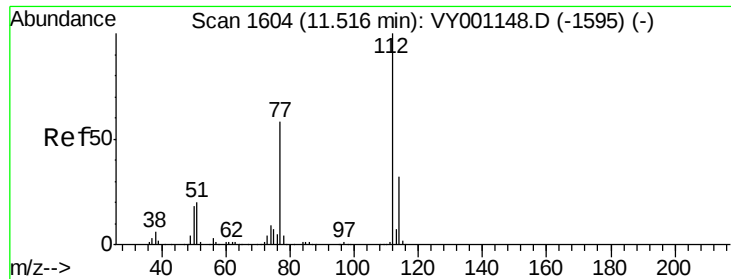
Tgt Ion:117 Resp: 330607
Ion Ratio Lower Upper
117 100
82 55.7 44.9 67.3
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 7.351 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion:164 Resp: 21500
Ion Ratio Lower Upper
164 100
166 123.8 102.3 153.5
129 100.4 76.2 114.4
131 90.8 73.9 110.9





#65

Chlorobenzene

Concen: 9.877 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

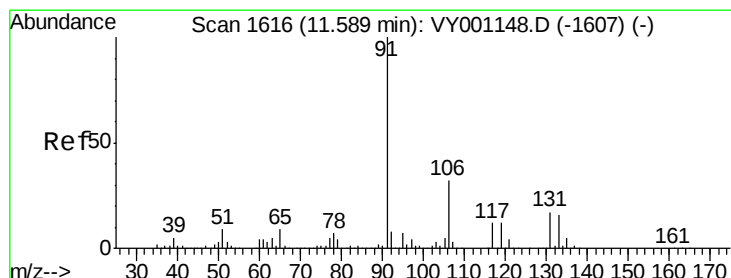
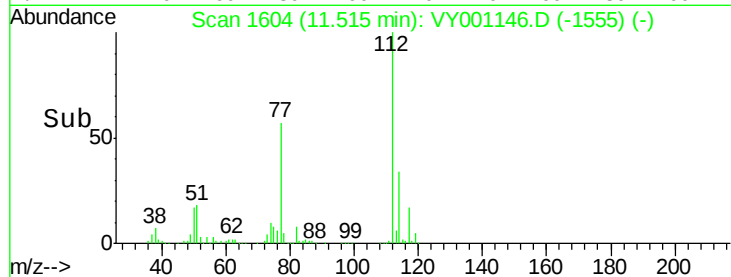
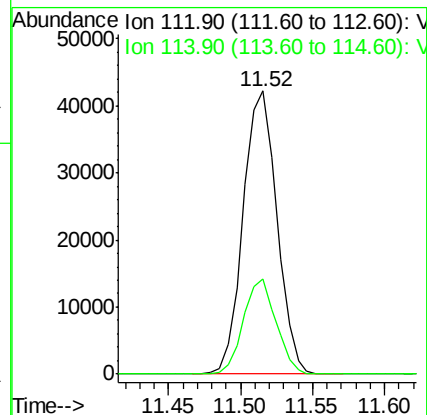
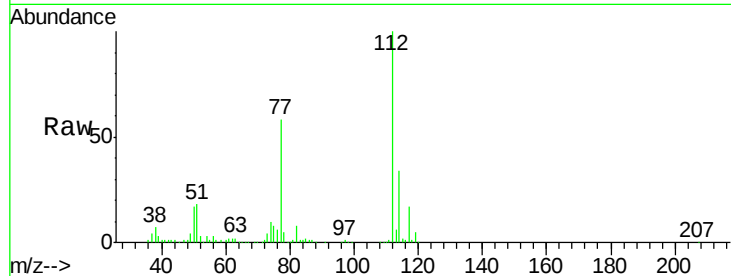
VSTDIC010

Tgt Ion:112 Resp: 68562

Ion Ratio Lower Upper

112 100

114 33.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 9.659 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

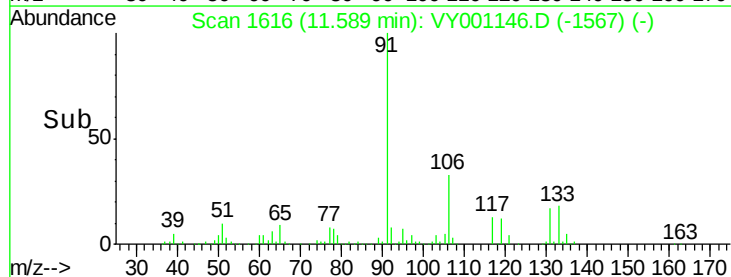
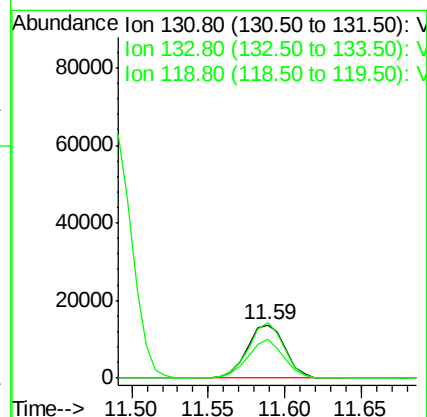
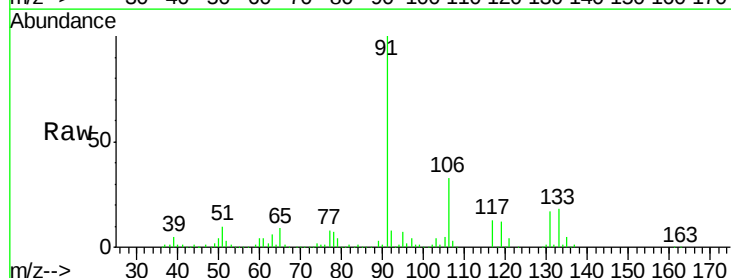
Tgt Ion:131 Resp: 23563

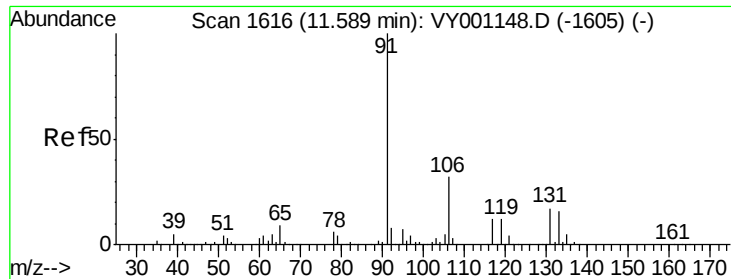
Ion Ratio Lower Upper

131 100

133 97.8 47.3 142.0

119 68.6 33.6 100.8

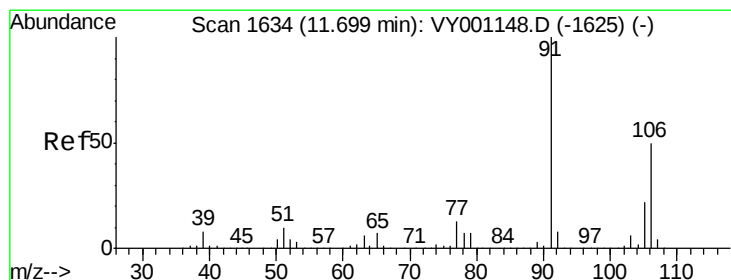
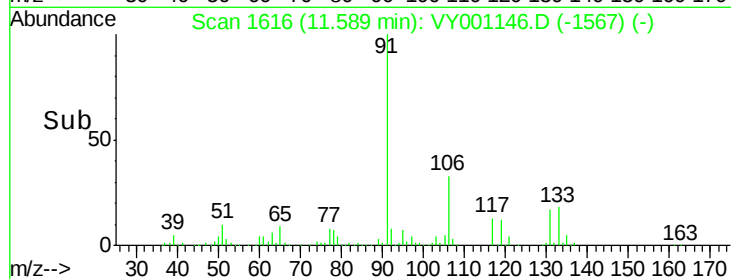
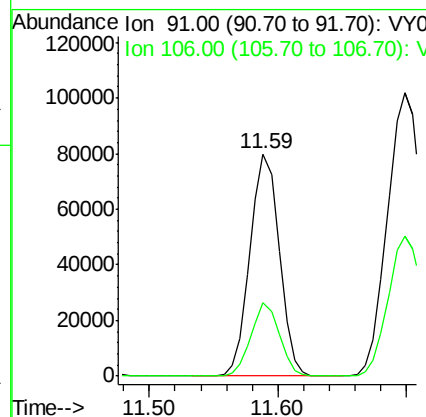
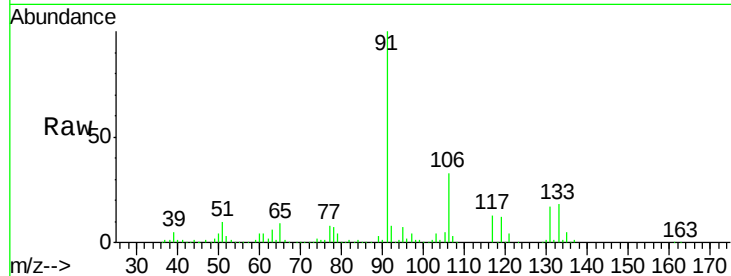




#67
Ethyl Benzene
Concen: 10.324 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

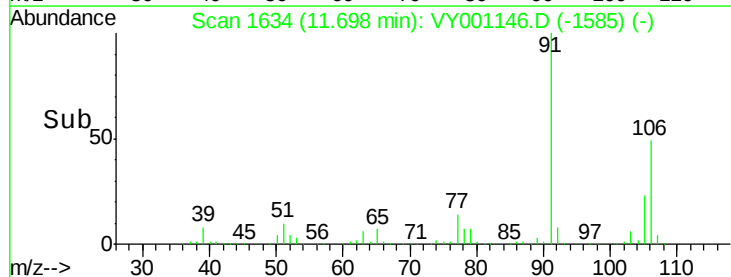
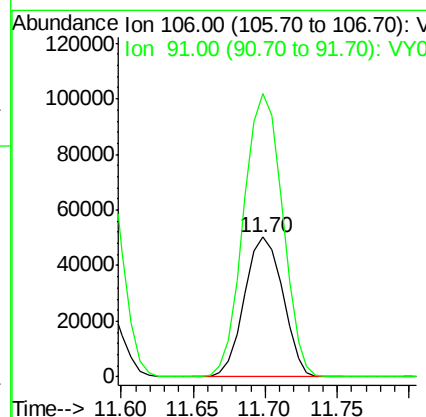
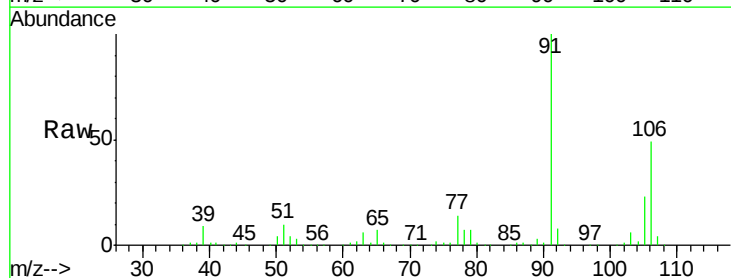
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

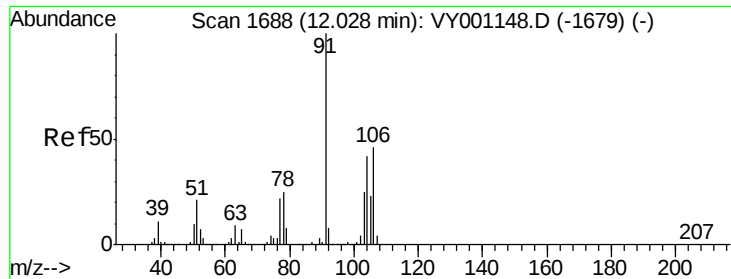
Tgt Ion: 91 Resp: 125633
Ion Ratio Lower Upper
91 100
106 33.1 25.3 37.9



#68
m/p-Xylenes
Concen: 19.424 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 106 Resp: 93278
Ion Ratio Lower Upper
106 100
91 205.2 161.4 242.2

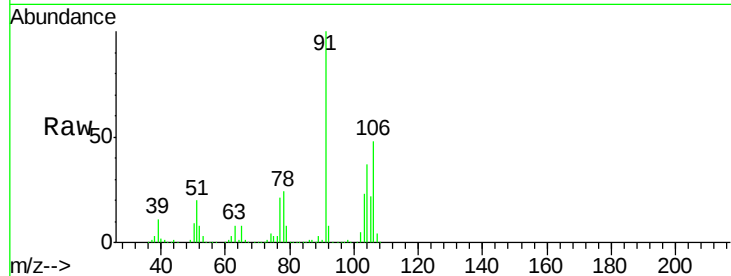




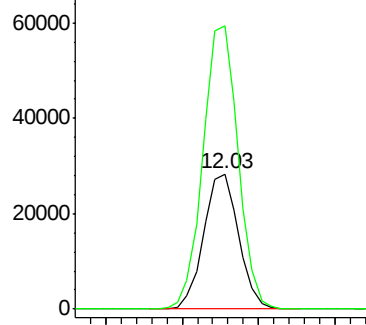
#69
o-Xylene
Concen: 9.844 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

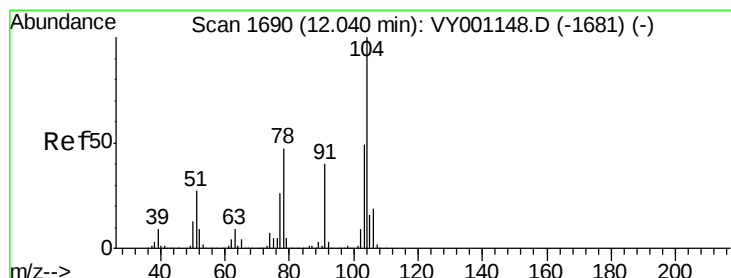
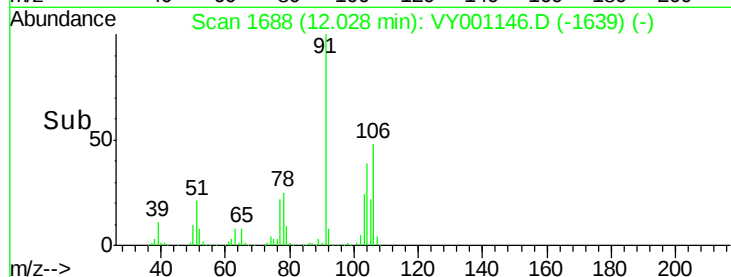
Tgt Ion:106 Resp: 44875
Ion Ratio Lower Upper
106 100
91 210.1 106.3 318.8



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

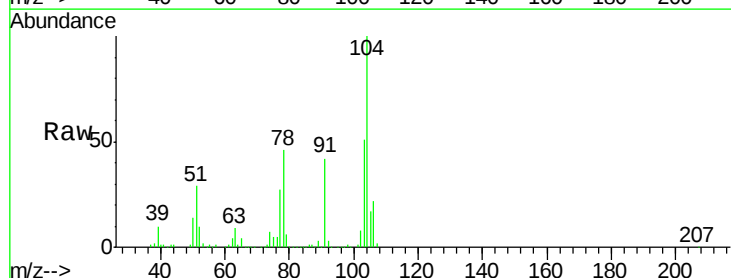


Time-->

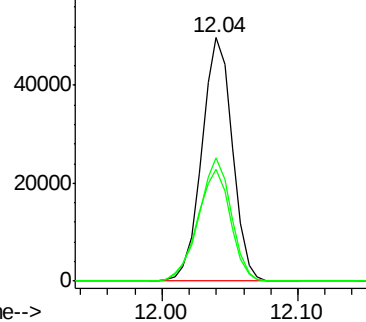


#70
Styrene
Concen: 10.049 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

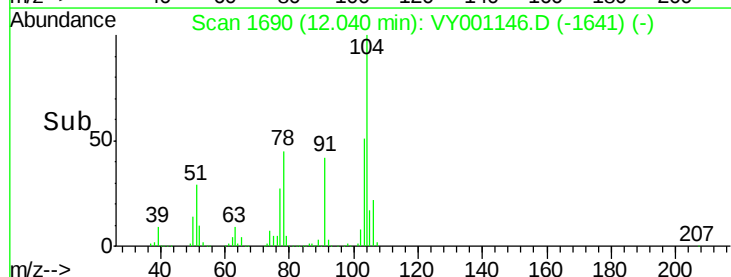
Tgt Ion:104 Resp: 77851
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 53.5 42.4 63.6

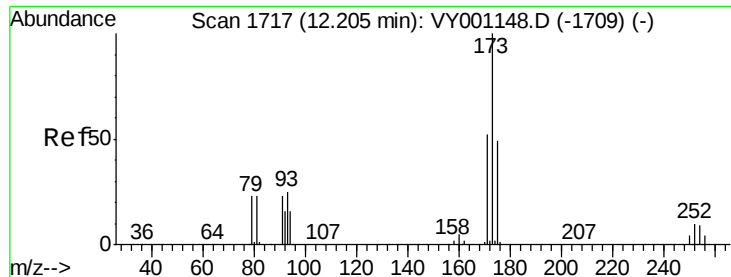


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V



Time-->

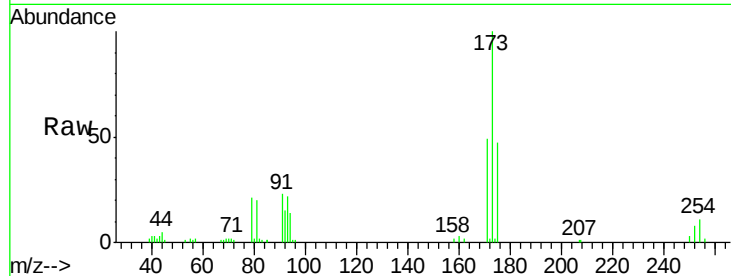




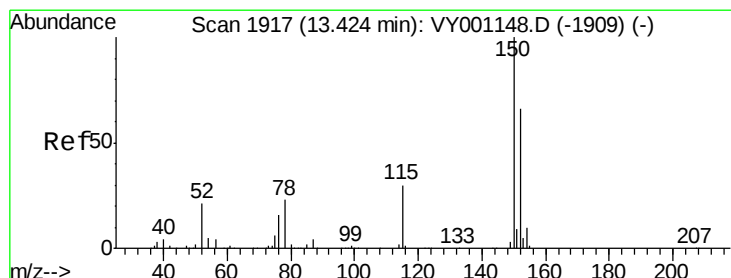
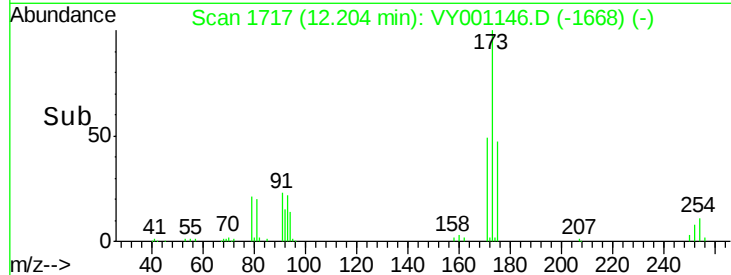
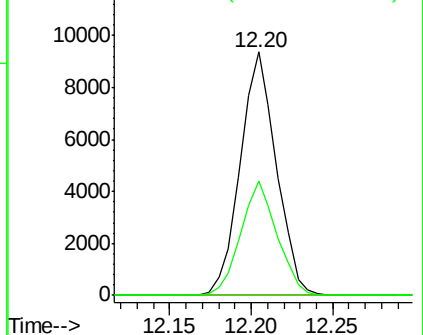
#71
Bromoform
Concen: 9.891 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:173 Resp: 14425
Ion Ratio Lower Upper
173 100
175 47.2 24.1 72.2
254 0.0 0.1 0.1#

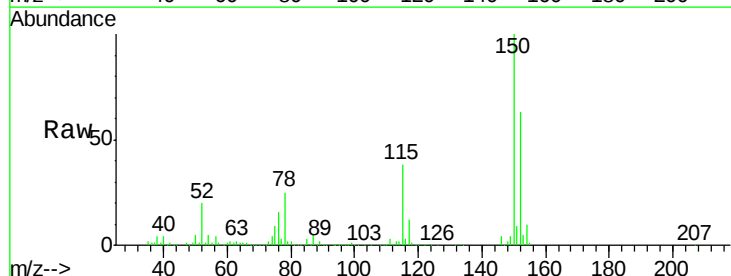


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

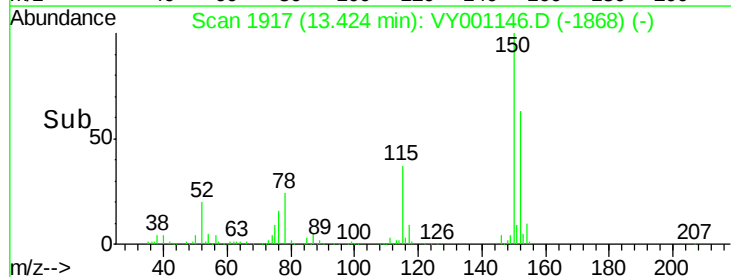
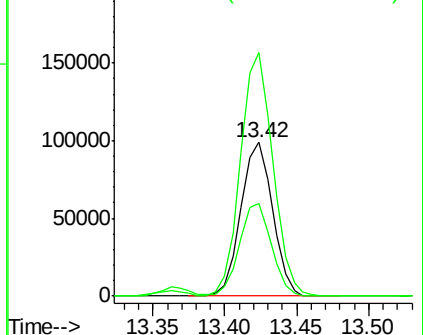


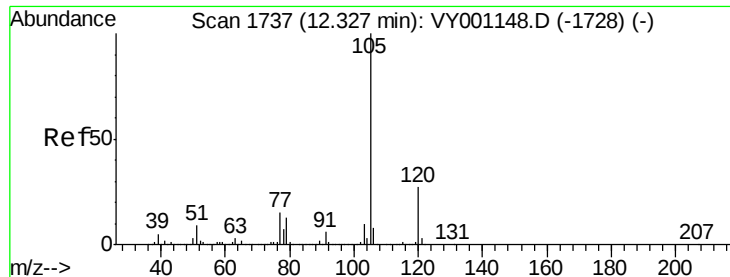
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion:152 Resp: 151028
Ion Ratio Lower Upper
152 100
115 60.7 30.9 92.5
150 161.5 0.0 346.8



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





#73

Isopropylbenzene

Concen: 10.445 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

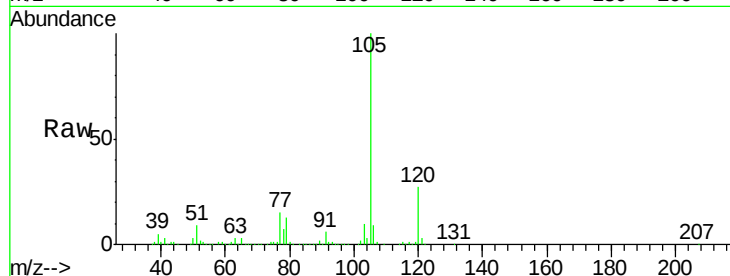
VSTDIC010

Tgt Ion:105 Resp: 118410

Ion Ratio Lower Upper

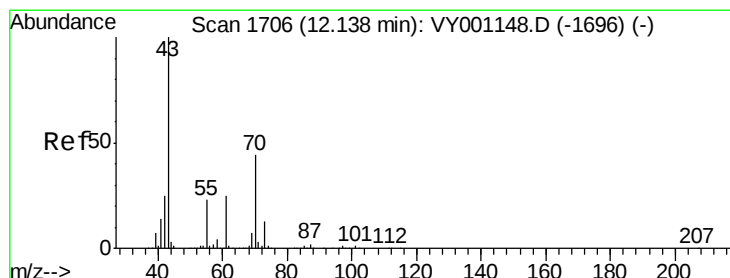
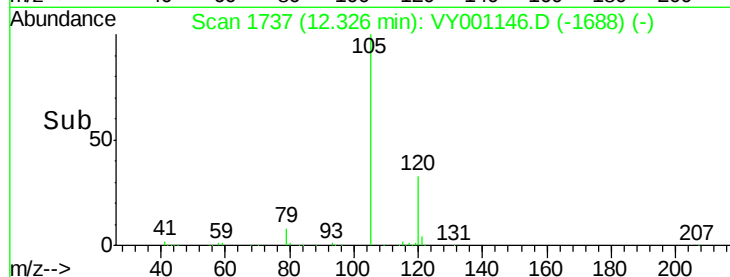
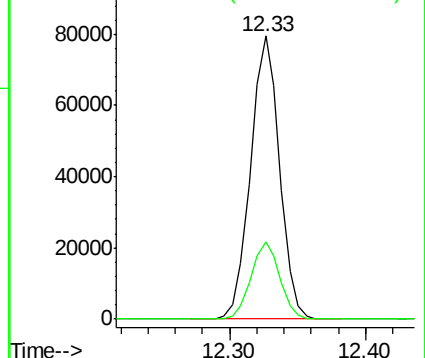
105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.930 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Tgt Ion: 43 Resp: 35599

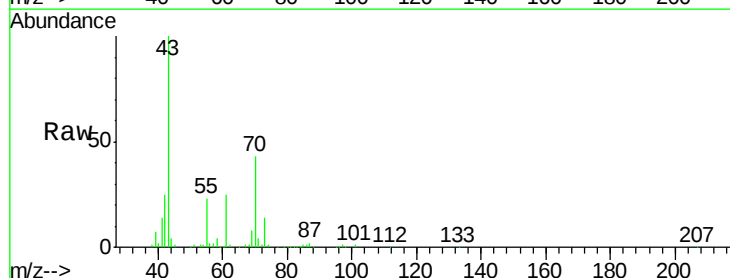
Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 22.8 18.4 27.6

61 25.7 20.1 30.1

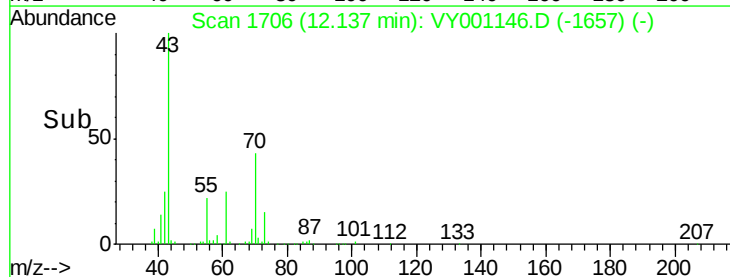
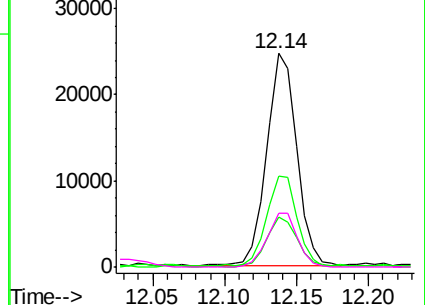


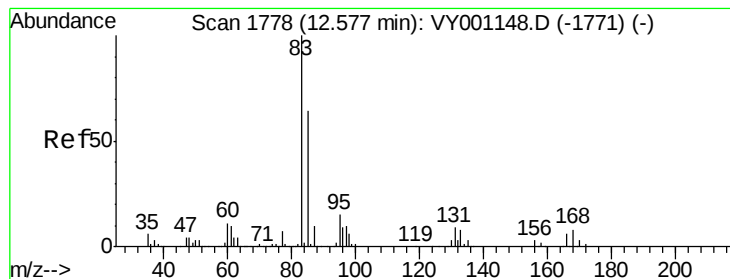
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.838 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

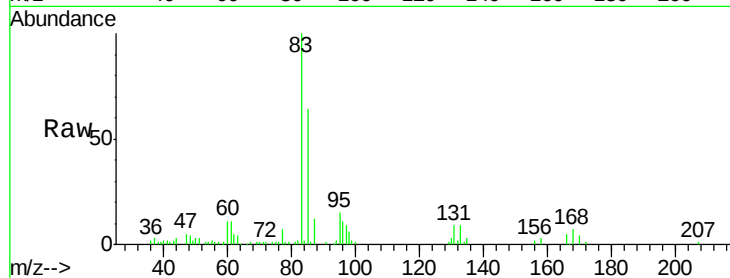
Tgt Ion: 83 Resp: 24562

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

85 65.8 32.2 96.6



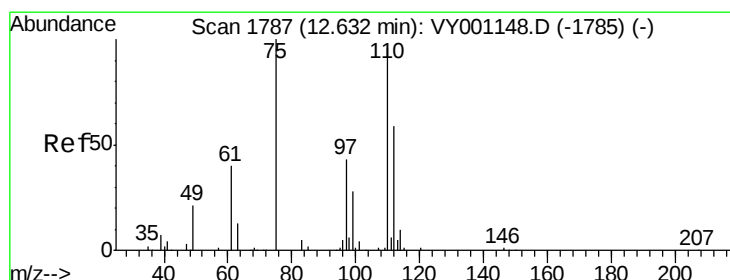
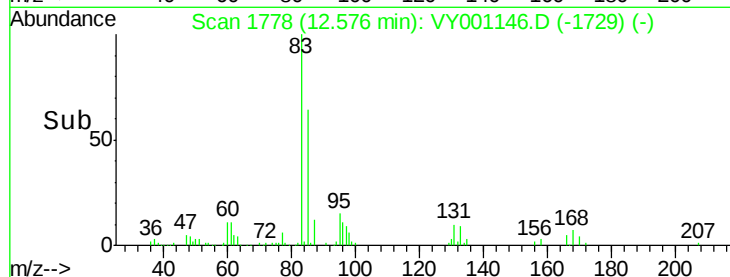
Abundance Ion 82.90 (82.60 to 83.60): VY001146.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY001146.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY001146.D (-1771) (-)

12.58

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.008 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001146.D

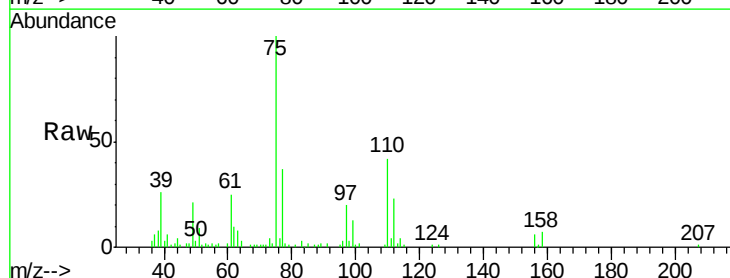
Acq: 10 Jan 2020 14:19

Tgt Ion: 75 Resp: 32743

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

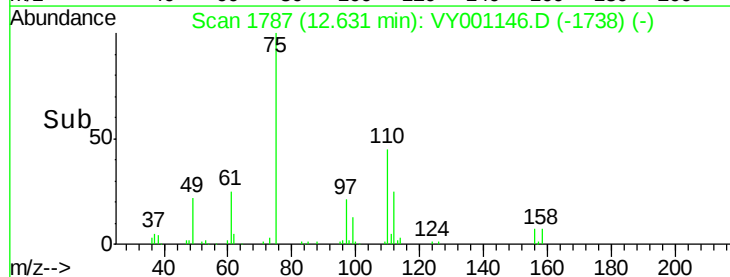


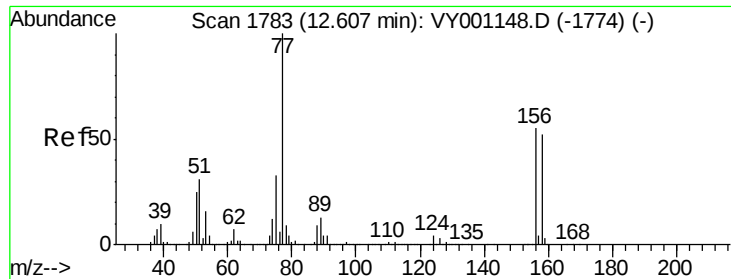
Abundance Ion 74.90 (74.60 to 75.60): VY001146.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY001146.D (-1785) (-)

12.63

Time-->





#77

Bromobenzene

Concen: 9.637 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

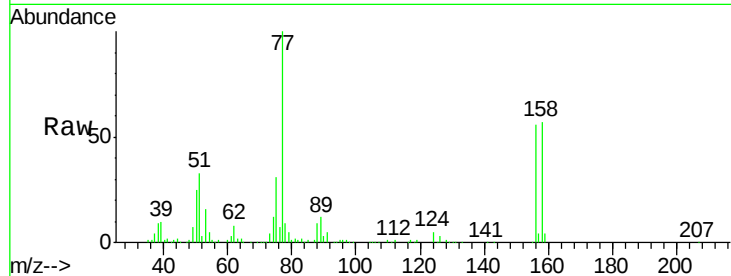
Tgt Ion:156 Resp: 26193

Ion Ratio Lower Upper

156 100

77 206.9 106.7 320.1

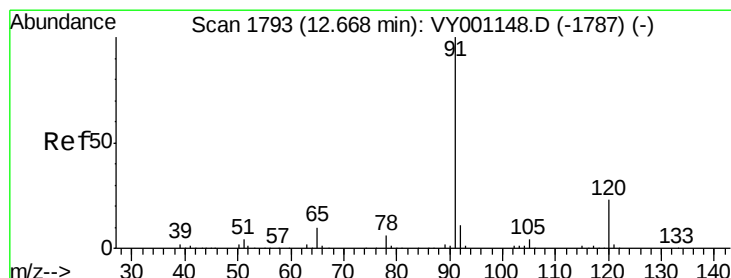
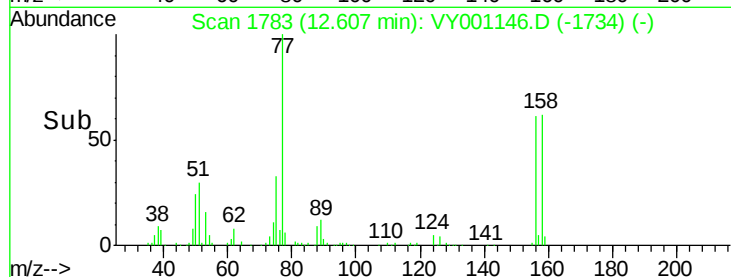
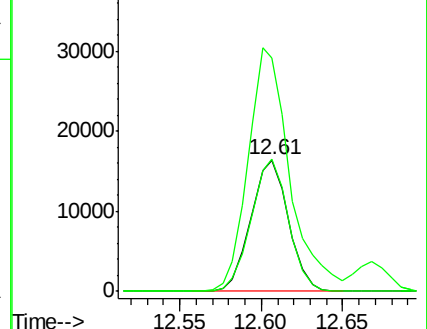
158 99.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.568 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001146.D

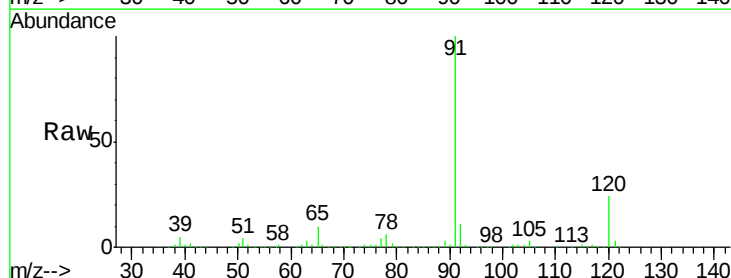
Acq: 10 Jan 2020 14:19

Tgt Ion: 91 Resp: 142244

Ion Ratio Lower Upper

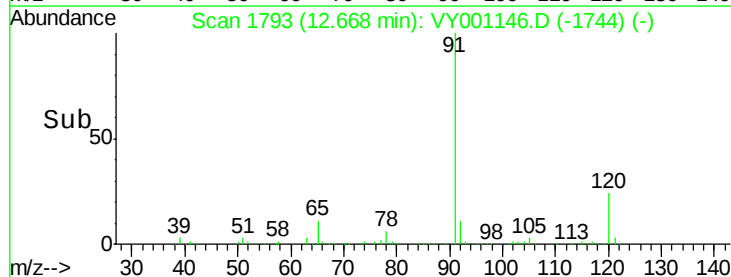
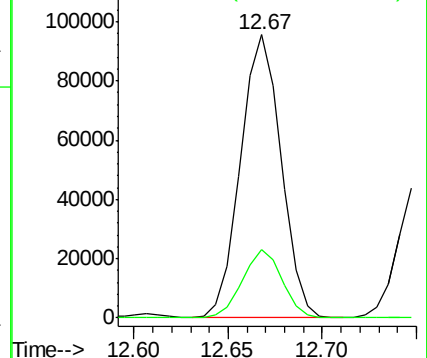
91 100

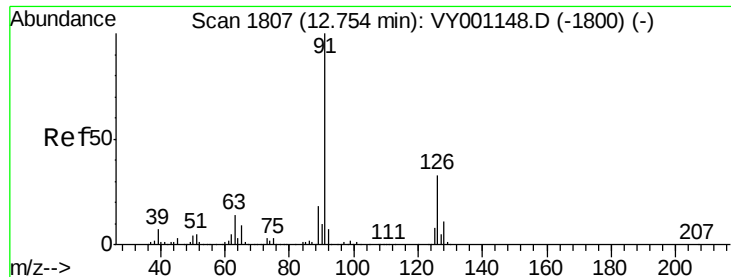
120 23.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

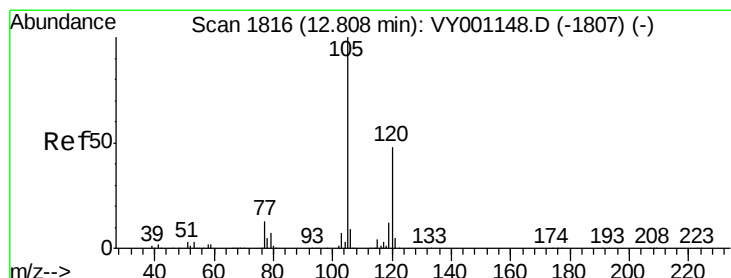
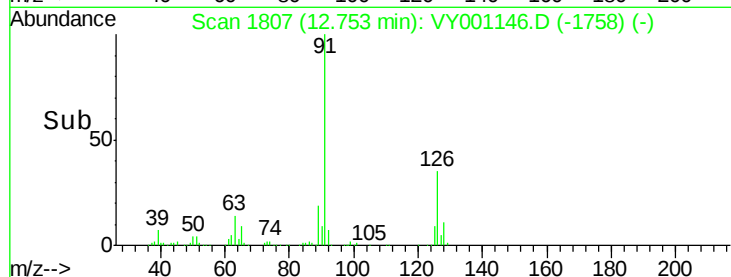
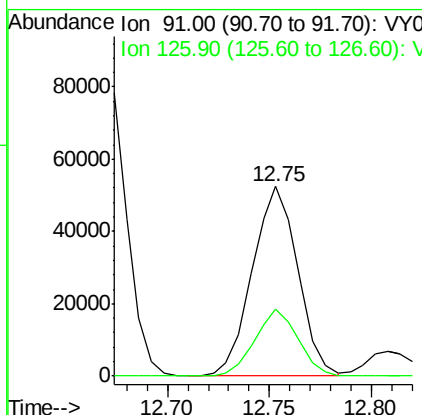
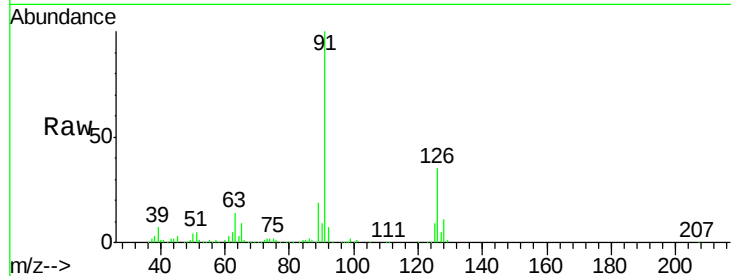




#79
 2-Chlorotoluene
 Concen: 10.802 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

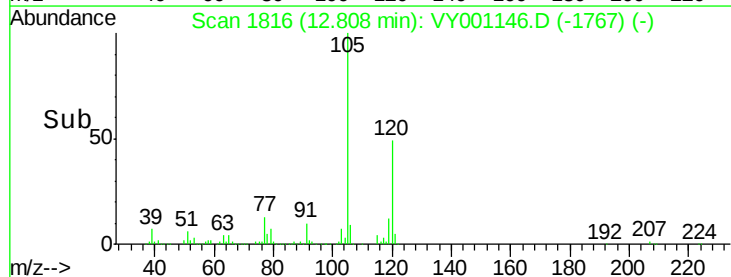
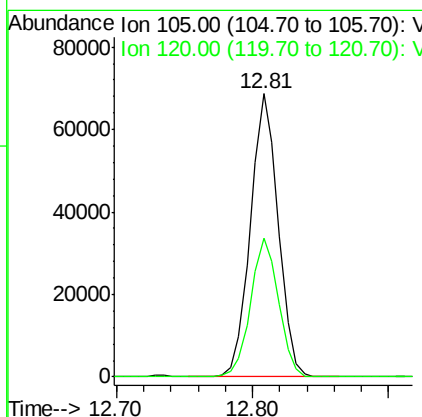
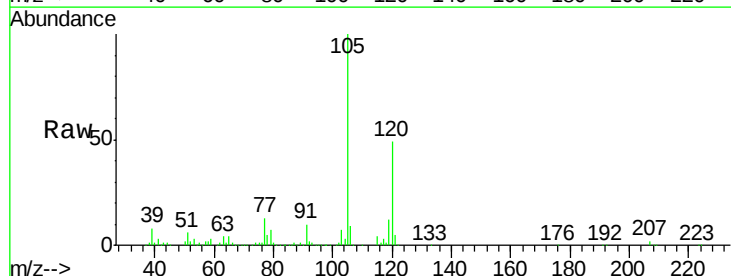
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

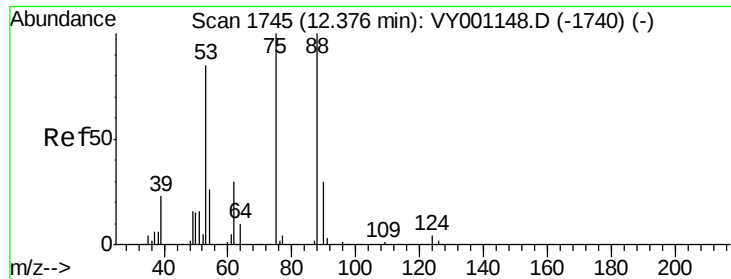
Tgt Ion: 91 Resp: 81105
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 10.232 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion: 105 Resp: 98451
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 12.083 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

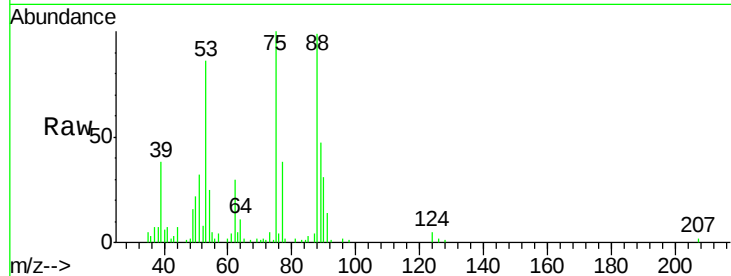
Tgt Ion: 75 Resp: 9642

Ion Ratio Lower Upper

75 100

53 86.8 69.4 104.2

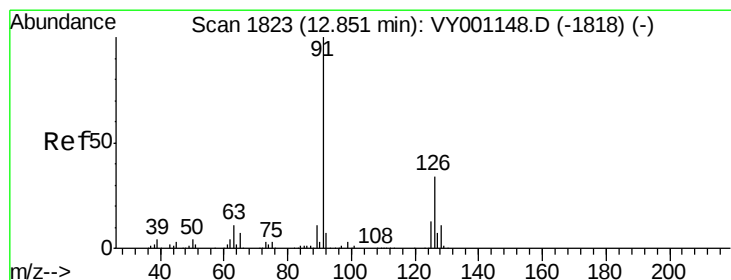
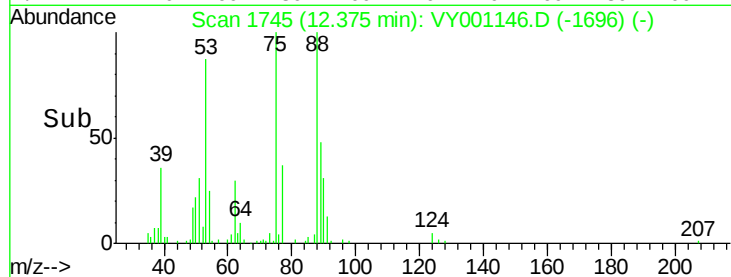
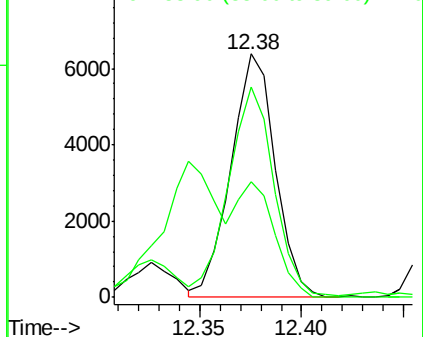
89 40.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 11.105 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001146.D

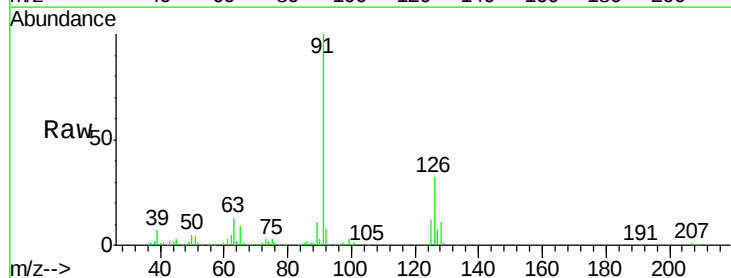
Acq: 10 Jan 2020 14:19

Tgt Ion: 91 Resp: 86484

Ion Ratio Lower Upper

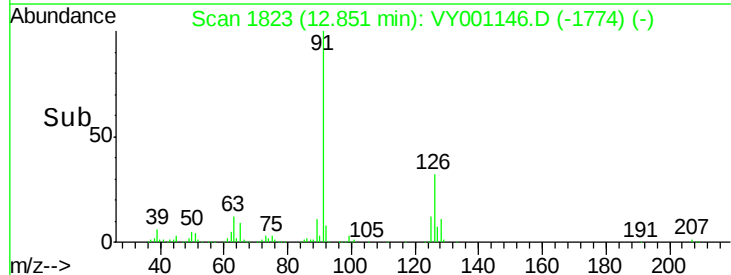
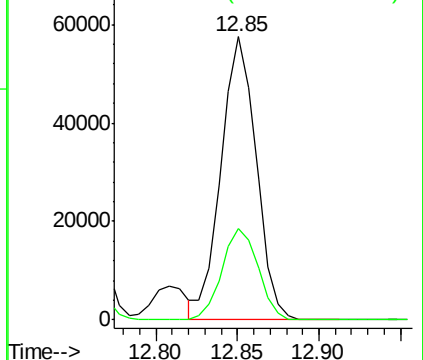
91 100

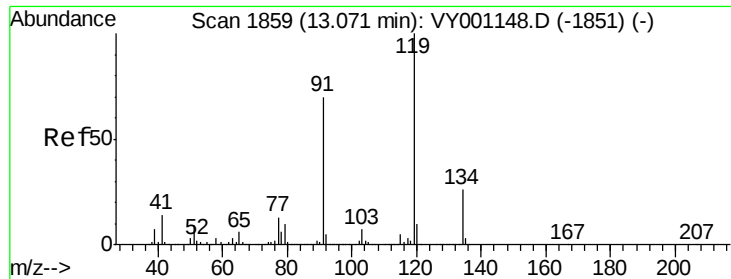
126 33.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

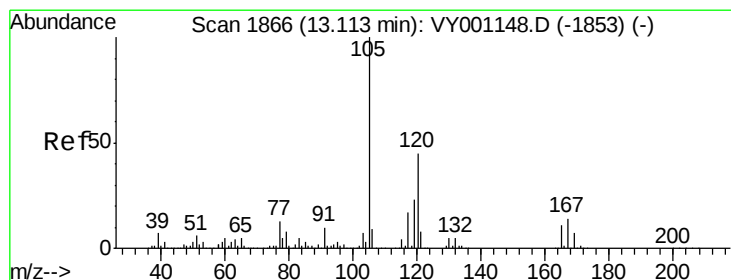
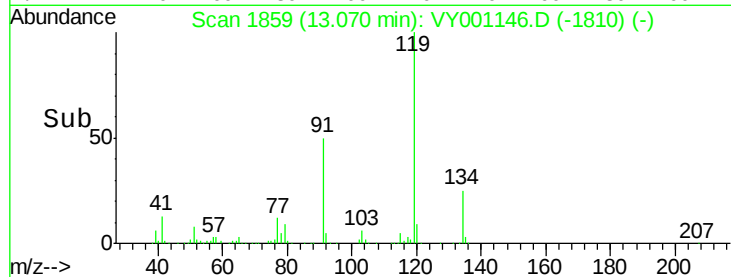
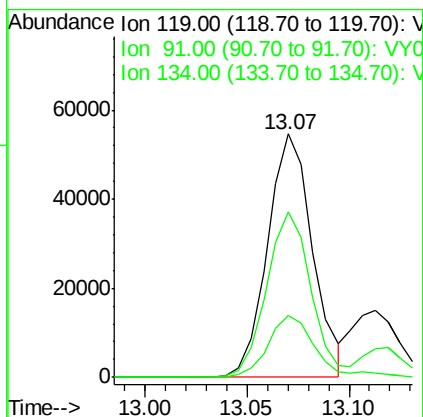
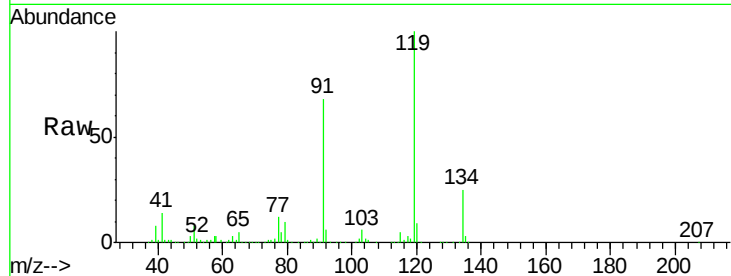




#83
 tert-Butylbenzene
 Concen: 10.303 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

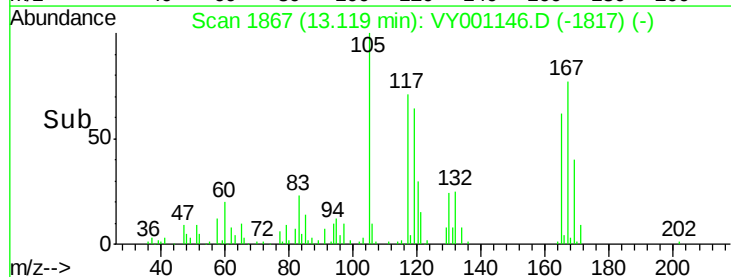
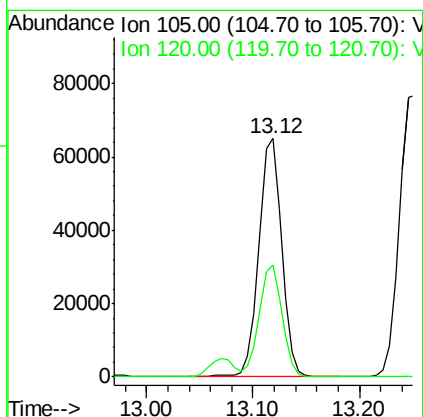
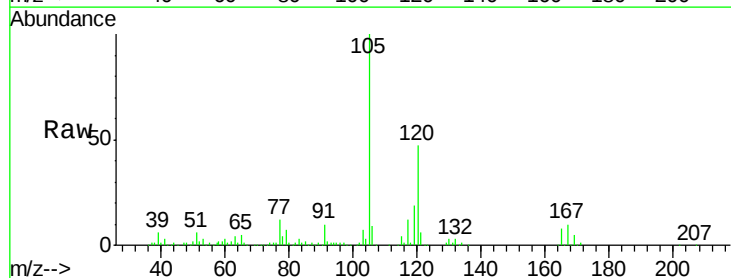
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

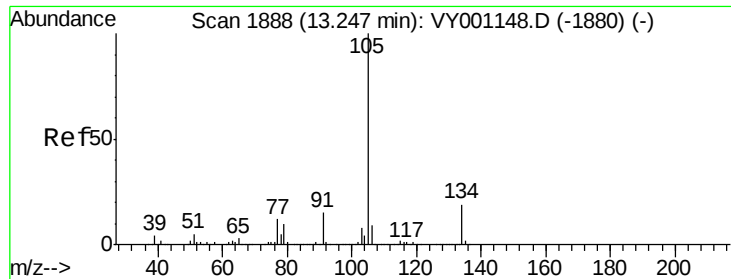
Tgt Ion:119 Resp: 83900
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.9 101.7
 134 26.9 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 10.240 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:105 Resp: 98669
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.8 68.3

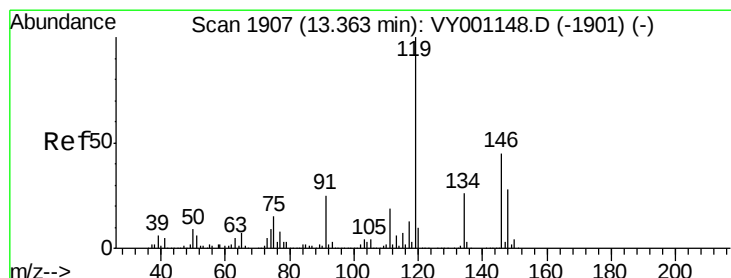
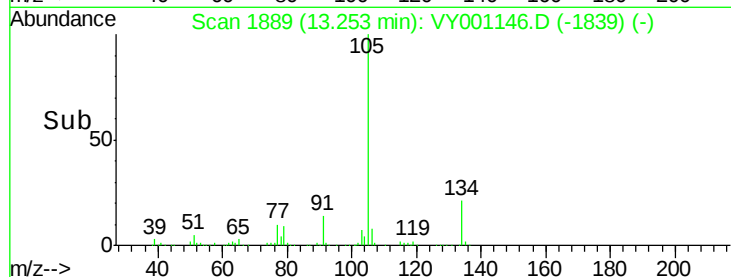
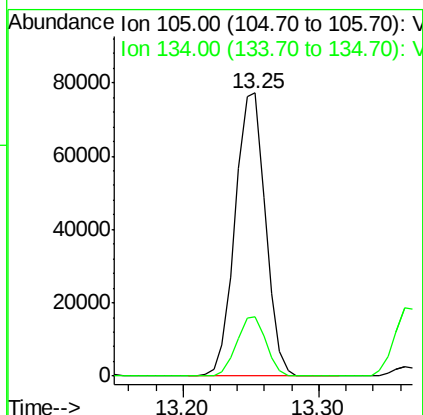
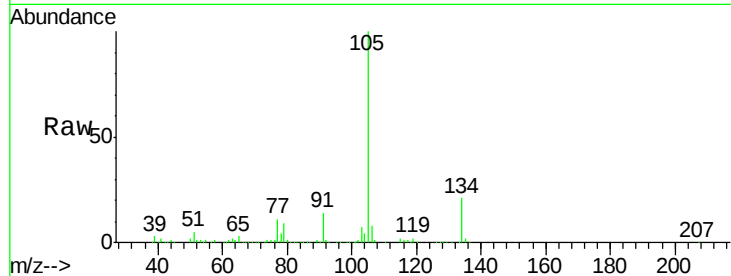




#85
 sec-Butylbenzene
 Concen: 10.472 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

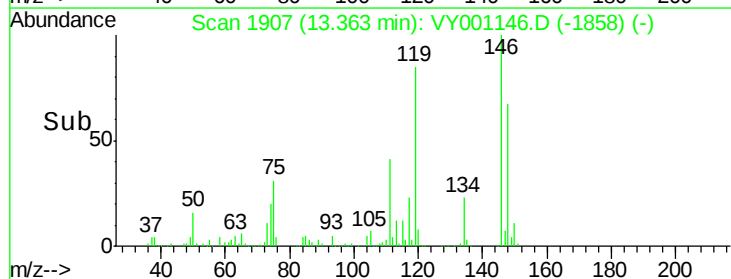
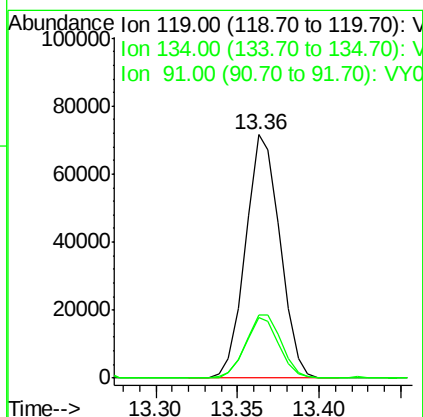
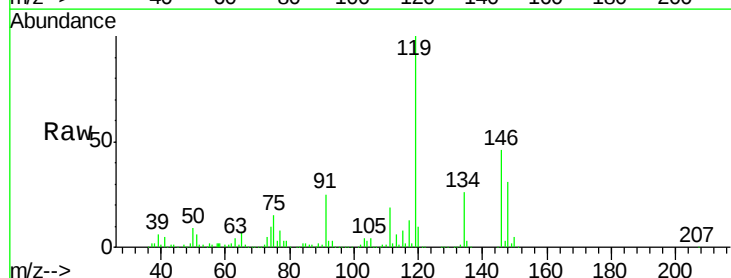
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

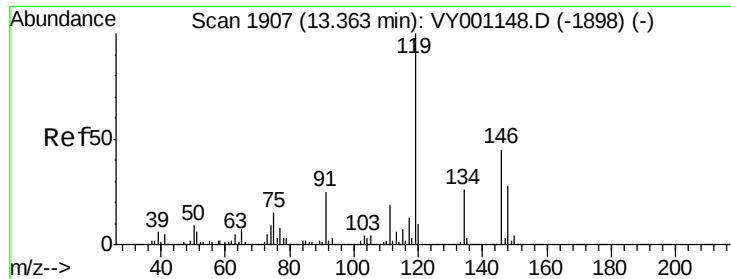
Tgt Ion:105 Resp: 119939
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 10.249 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:119 Resp: 105367
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 24.1 12.4 37.2

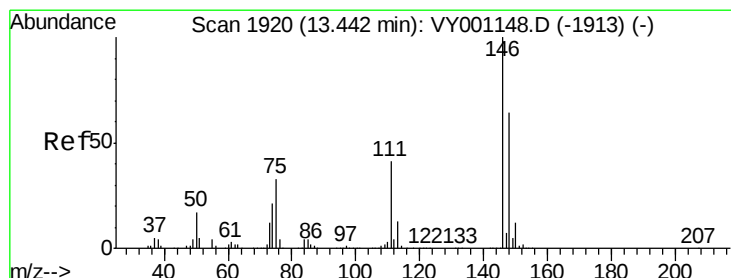
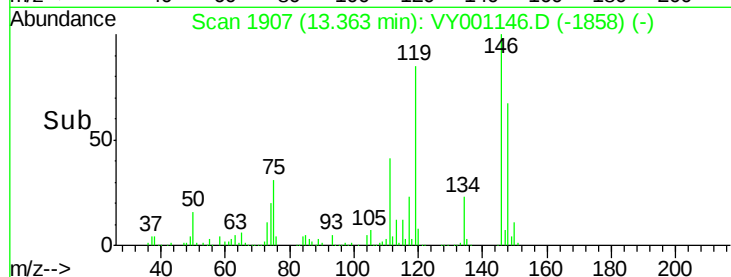
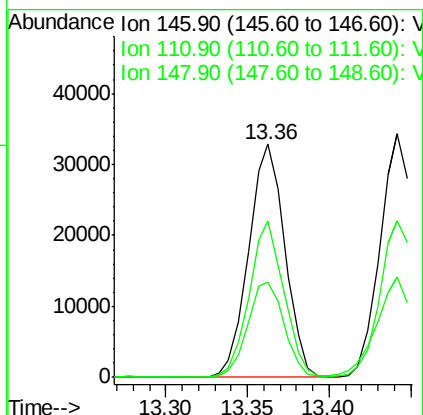
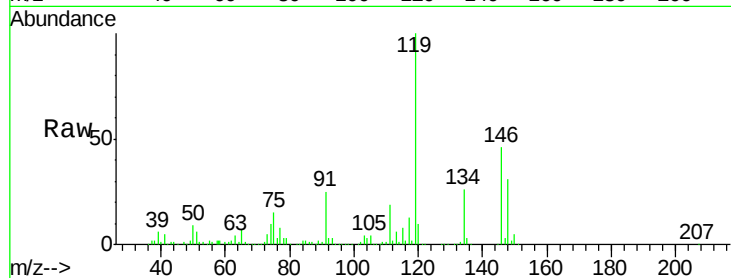




#87
 1,3-Dichlorobenzene
 Concen: 9.980 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

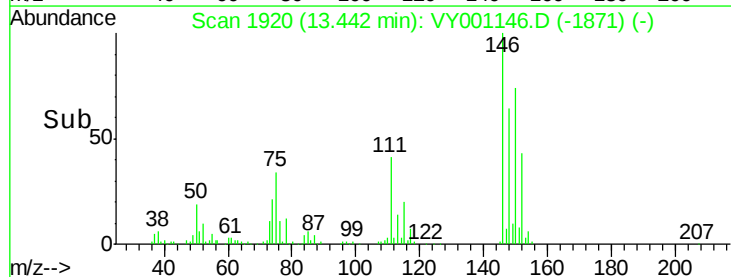
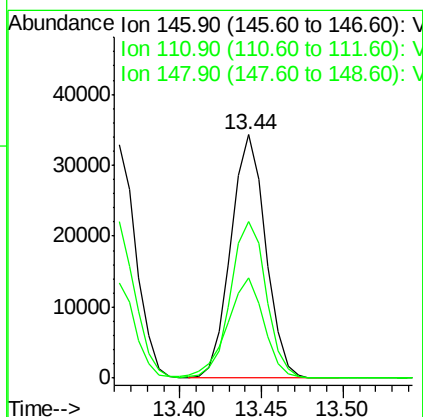
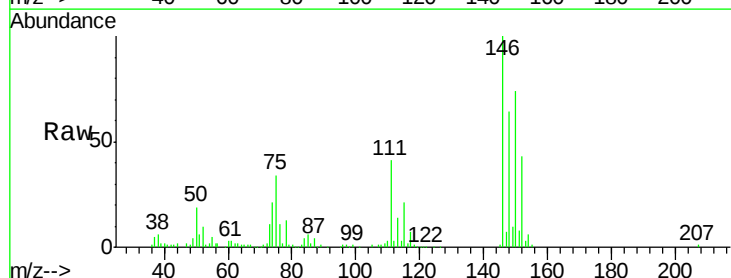
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

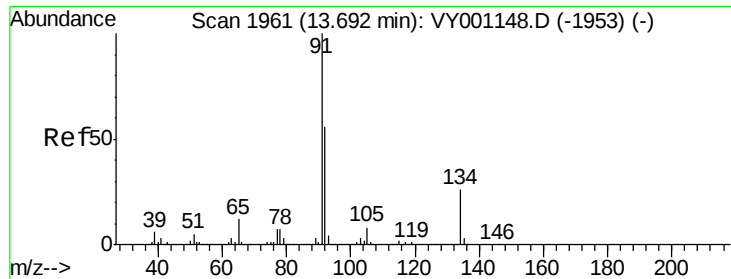
Tgt Ion:146 Resp: 50856
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 64.0
 148 64.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 9.939 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:146 Resp: 51089
 Ion Ratio Lower Upper
 146 100
 111 44.0 20.8 62.5
 148 65.7 32.0 96.2

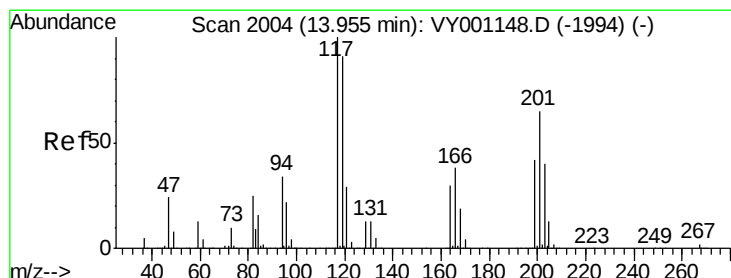
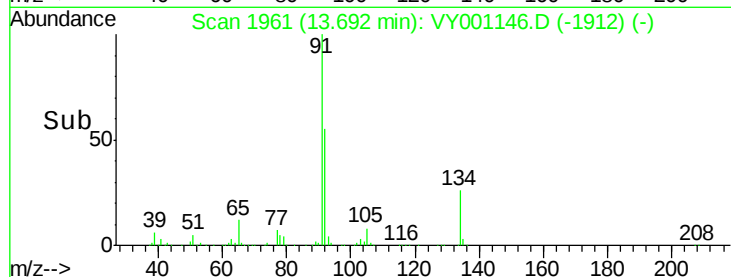
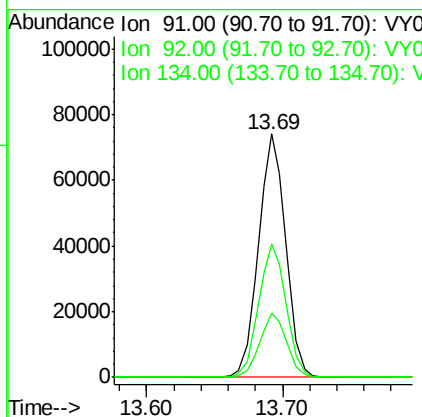
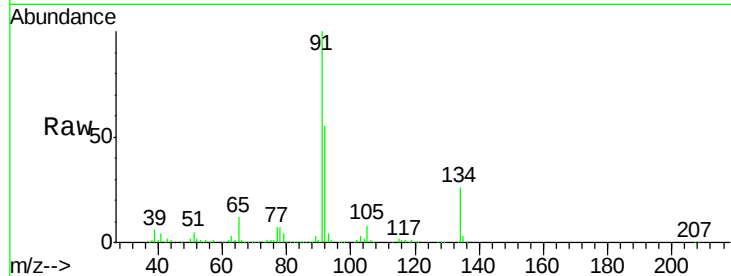




#89
n-Butylbenzene
Concen: 10.600 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

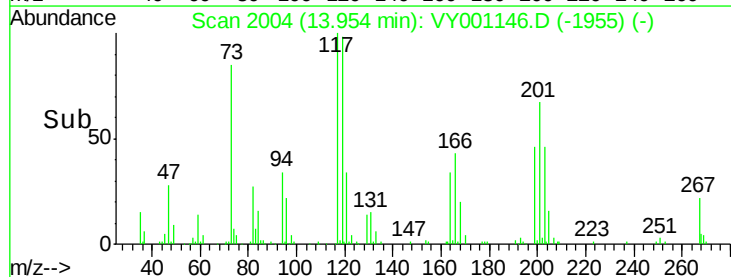
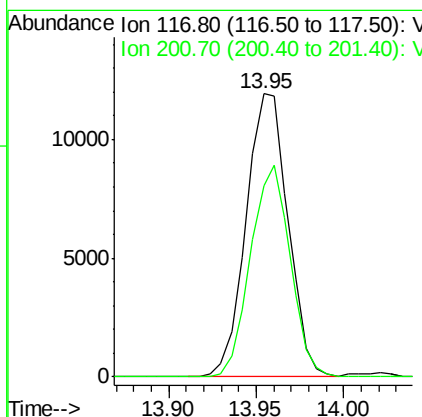
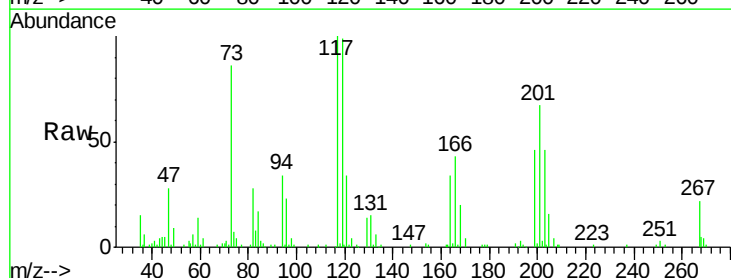
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

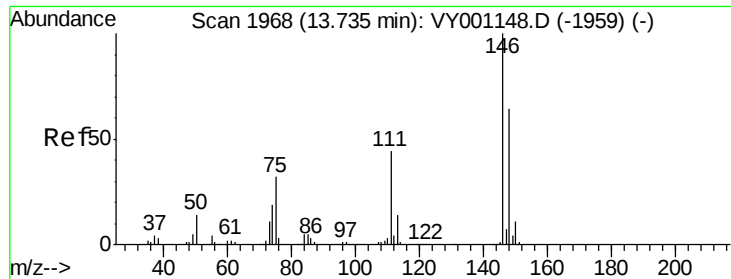
Tgt Ion: 91 Resp: 103726
Ion Ratio Lower Upper
91 100
92 55.4 27.7 83.1
134 26.3 12.9 38.6



#90
Hexachloroethane
Concen: 10.327 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion: 117 Resp: 19850
Ion Ratio Lower Upper
117 100
201 70.9 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 9.893 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

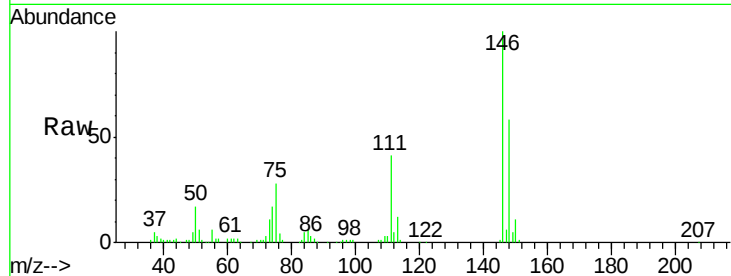
Tgt Ion: 146 Resp: 46306

Ion Ratio Lower Upper

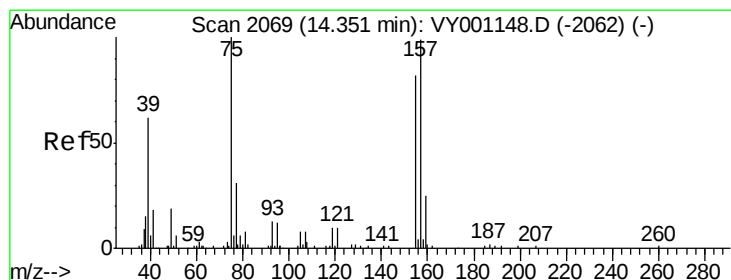
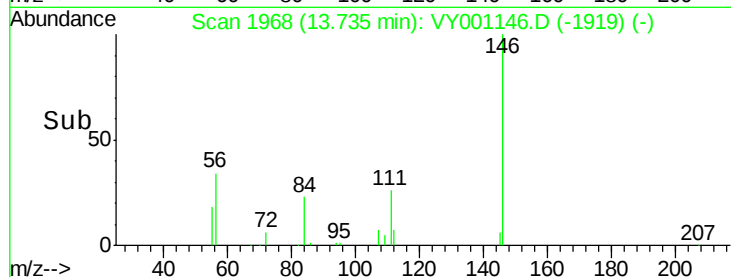
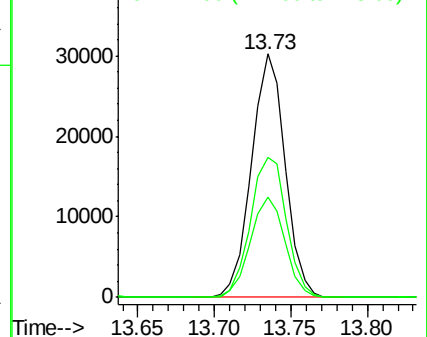
146 100

111 42.5 22.0 66.0

148 61.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.904 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VY001146.D

Acq: 10 Jan 2020 14:19

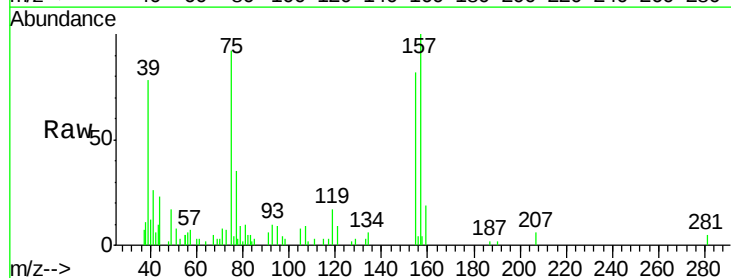
Tgt Ion: 75 Resp: 4433

Ion Ratio Lower Upper

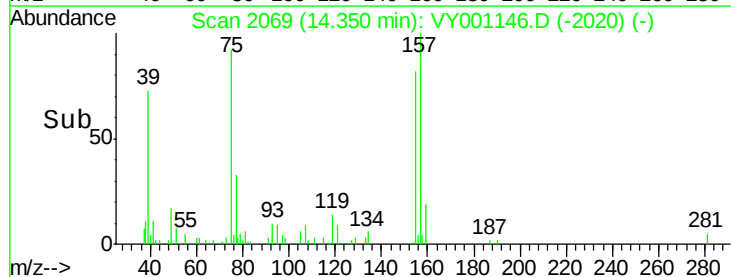
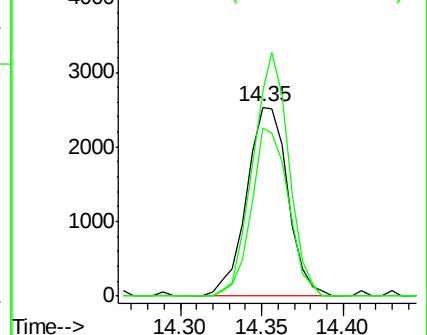
75 100

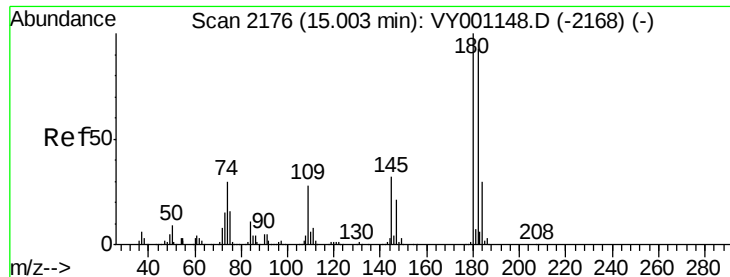
155 79.9 41.2 123.6

157 111.9 52.8 158.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

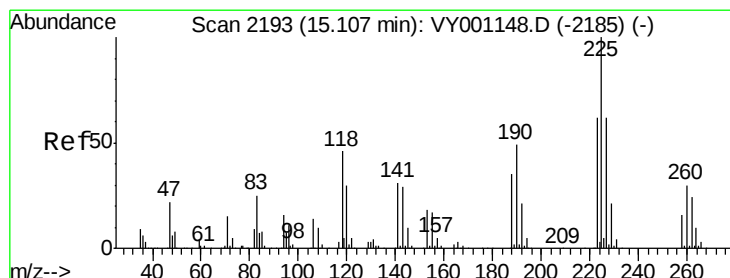
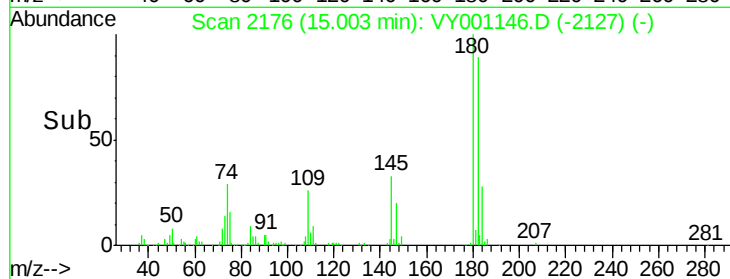
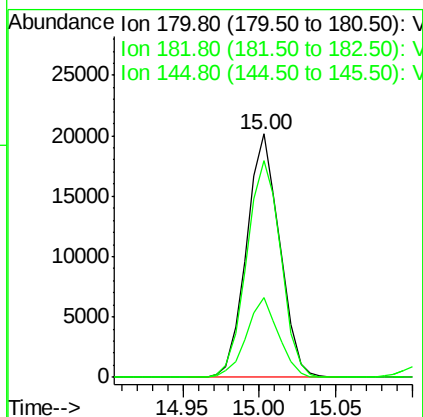
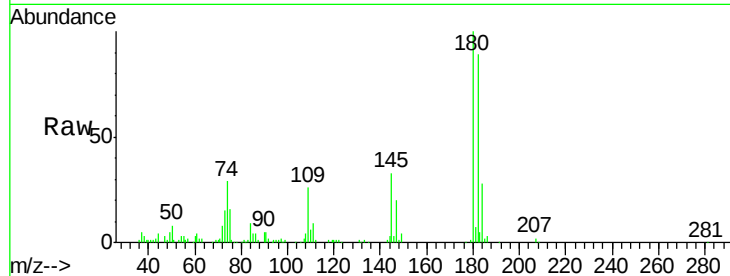




#93
 1,2,4-Trichlorobenzene
 Concen: 9.451 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

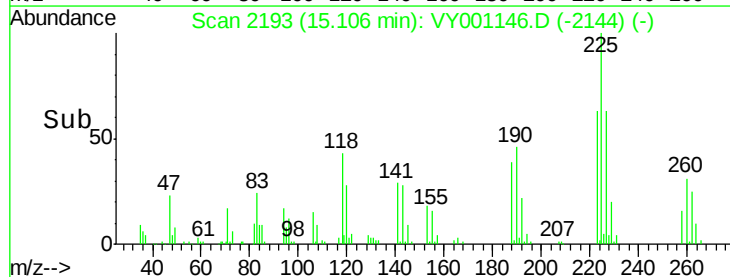
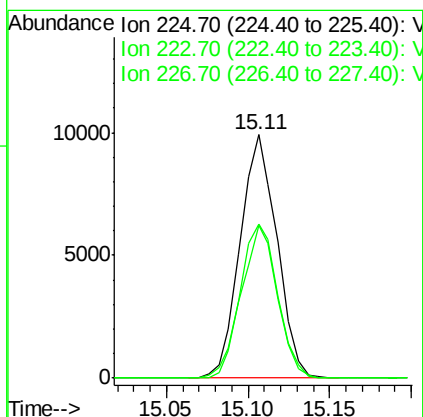
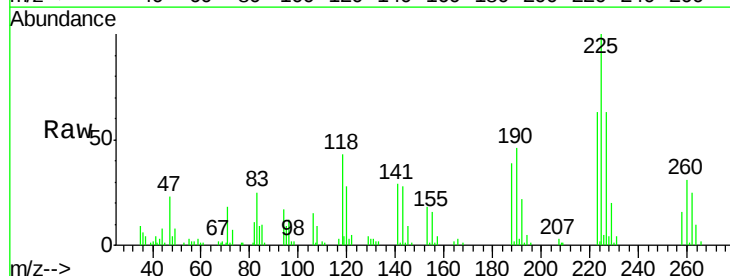
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC010

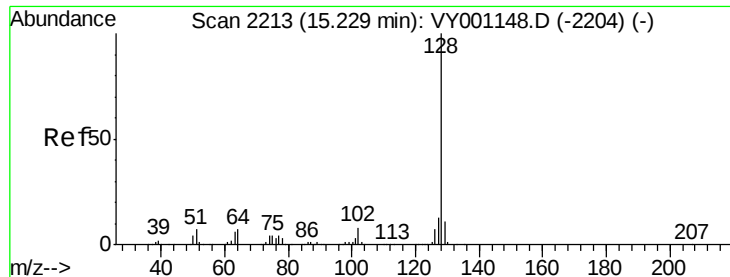
Tgt Ion:180 Resp: 30303
 Ion Ratio Lower Upper
 180 100
 182 92.0 46.9 140.8
 145 31.6 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 9.588 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001146.D
 Acq: 10 Jan 2020 14:19

Tgt Ion:225 Resp: 15547
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.3
 227 63.8 31.3 93.9

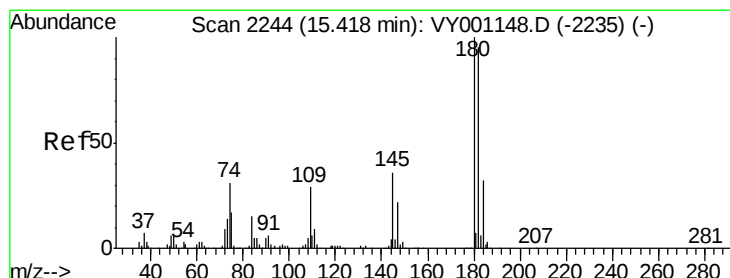
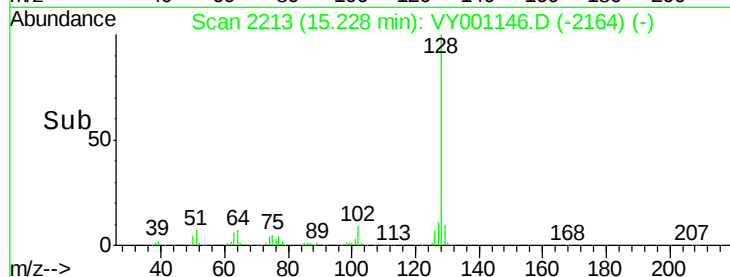
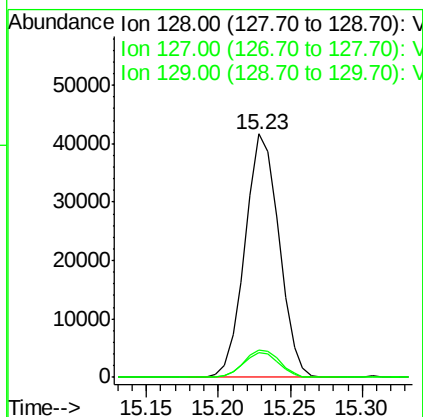
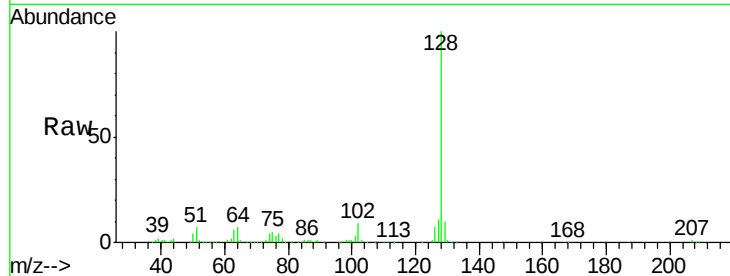




#95
Naphthalene
Concen: 9.220 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tgt Ion:128 Resp: 67975
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 9.116 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001146.D
Acq: 10 Jan 2020 14:19

Tgt Ion:180 Resp: 26057
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.5
145 33.9 17.1 51.3

