

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002248.D
 Acq On : 08 Apr 2020 13:16
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Quant Time: Apr 08 14:53:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	156632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	287813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	259023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	110494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	252539	144.98	ug/l	0.00
Spiked Amount			Recovery	=	289.96%	
35) Dibromofluoromethane	7.74	113	255041	148.92	ug/l	0.00
Spiked Amount			Recovery	=	297.84%	
50) Toluene-d8	10.19	98	1047186	146.09	ug/l	0.00
Spiked Amount			Recovery	=	292.18%	
62) 4-Bromofluorobenzene	12.49	95	334990	141.65	ug/l	0.00
Spiked Amount			Recovery	=	283.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	233655	147.601	ug/l	95
3) Chloromethane	2.12	50	285434	143.268	ug/l	99
4) Vinyl Chloride	2.26	62	300385	141.651	ug/l	99
5) Bromomethane	2.65	94	160363	122.458	ug/l	99
6) Chloroethane	2.80	64	172683	141.198	ug/l	96
7) Trichlorofluoromethane	3.13	101	392806	143.433	ug/l	96
8) Diethyl Ether	3.54	74	171998	147.734	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	267899	144.010	ug/l	99
10) Methyl Iodide	4.11	142	352729	163.122	ug/l	99
11) Tert butyl alcohol	4.99	59	123401	538.494	ug/l	97
12) 1,1-Dichloroethene	3.89	96	275098	145.455	ug/l	96
13) Acrolein	3.75	56	160571	714.950	ug/l	100
14) Allyl chloride	4.50	41	434179	142.163	ug/l	98
15) Acrylonitrile	5.19	53	415007	697.058	ug/l	99
16) Acetone	3.97	43	294273	641.431	ug/l	96
17) Carbon Disulfide	4.21	76	925290	147.313	ug/l	99
18) Methyl Acetate	4.50	43	194136	136.425	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	712340	143.266	ug/l	97
20) Methylene Chloride	4.74	84	306714	136.018	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	308174	145.168	ug/l	98
22) Diisopropyl ether	6.14	45	839557	136.597	ug/l	97
23) Vinyl Acetate	6.08	43	2690711	686.975	ug/l	98
24) 1,1-Dichloroethane	6.04	63	500019	143.029	ug/l	99
25) 2-Butanone	7.01	43	475812	655.357	ug/l	99
26) 2,2-Dichloropropane	7.00	77	401479	137.287	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	335405	144.939	ug/l	97
28) Bromochloromethane	7.35	49	215378	142.718	ug/l	97
29) Tetrahydrofuran	7.36	42	314220	654.726	ug/l	97
30) Chloroform	7.52	83	477200	144.807	ug/l	99
31) Cyclohexane	7.80	56	495898	135.136	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	403854	147.236	ug/l	99
36) 1,1-Dichloropropene	7.93	75	399436	140.899	ug/l	98
37) Ethyl Acetate	7.10	43	213182	131.632	ug/l	99
38) Carbon Tetrachloride	7.91	117	350961	144.732	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	548661	142.274	ug/l	96
40) Benzene	8.18	78	1227296	142.690	ug/l	99
41) Methacrylonitrile	7.36	41	279689	261.414	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	299821	140.720	ug/l	99
43) Isopropyl Acetate	8.28	43	408249	138.218	ug/l	99
44) Trichloroethene	8.95	130	354660	140.250	ug/l	96
45) 1,2-Dichloropropane	9.23	63	302617	141.801	ug/l	99
46) Dibromomethane	9.32	93	158455	142.007	ug/l	99
47) Bromodichloromethane	9.50	83	377544	147.461	ug/l	99
48) Methyl methacrylate	9.30	41	182345	137.681	ug/l	96
49) 1,4-Dioxane	9.31	88	43829	2776.798	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	1023814	665.202	ug/l	100
52) Toluene	10.25	92	741039	142.961	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	409555	146.817	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	489787	146.043	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	233015	142.637	ug/l	99
56) Ethyl methacrylate	10.52	69	337281	144.657	ug/l	97
57) 1,3-Dichloropropane	10.80	76	405387	141.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	834743	691.354	ug/l	99
59) 2-Hexanone	10.84	43	706198	661.123	ug/l	99
60) Dibromochloromethane	10.99	129	259213	148.807	ug/l	100
61) 1,2-Dibromoethane	11.10	107	221719	142.564	ug/l	99
64) Tetrachloroethene	10.72	164	355451	135.731	ug/l	96
65) Chlorobenzene	11.52	112	759088	140.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	253777	142.756	ug/l	99
67) Ethyl Benzene	11.60	91	1377285	139.727	ug/l	99
68) m/p-Xylenes	11.70	106	1025240	277.701	ug/l	99
69) o-Xylene	12.03	106	484831	139.879	ug/l	98
70) Styrene	12.05	104	842882	140.166	ug/l	100
71) Bromoform	12.21	173	142985	147.906	ug/l #	99
73) Isopropylbenzene	12.33	105	1264666	145.690	ug/l	99
74) N-amyl acetate	12.14	43	344776	139.921	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	161908	154.164	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	334591	151.147	ug/l #	100
77) Bromobenzene	12.61	156	278442	145.797	ug/l	99
78) n-propylbenzene	12.67	91	1547028	143.296	ug/l	100
79) 2-Chlorotoluene	12.76	91	849628	144.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1033001	143.891	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	99077	150.188	ug/l	98
82) 4-Chlorotoluene	12.86	91	869282	141.362	ug/l	99
83) tert-Butylbenzene	13.08	119	855545	142.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	1026100	143.134	ug/l	100
85) sec-Butylbenzene	13.26	105	1248772	139.403	ug/l	100
86) p-Isopropyltoluene	13.38	119	1072423	139.098	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	510966	138.053	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	525597	139.897	ug/l	99
89) n-Butylbenzene	13.70	91	1083111	137.055	ug/l	100
90) Hexachloroethane	13.97	117	213623	145.404	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	475858	141.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	36217	142.584	ug/l	96

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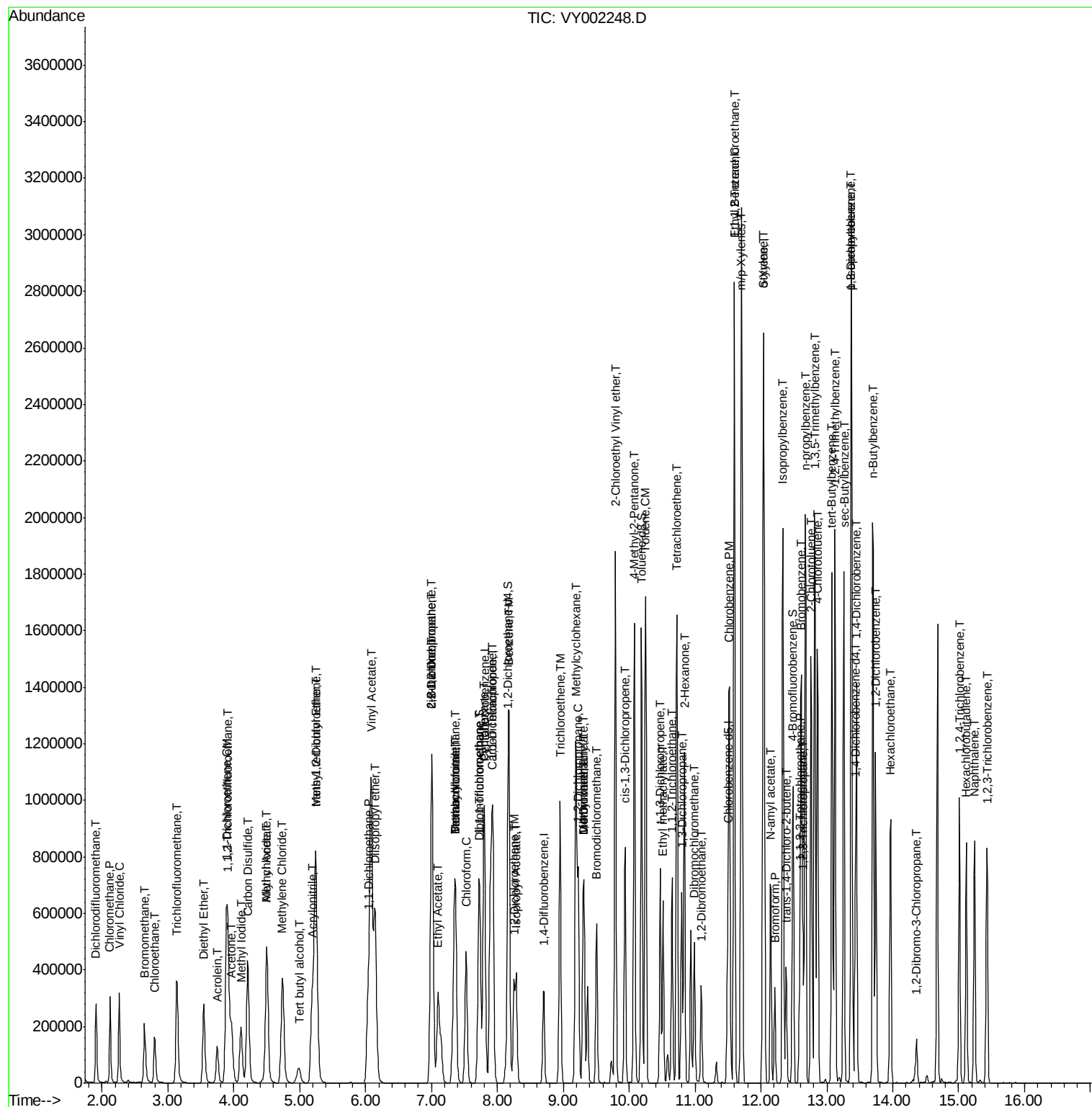
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	303738	138.171	ug/l	98
94) Hexachlorobutadiene	15.12	225	150585	136.006	ug/l	98
95) Naphthalene	15.24	128	696115	144.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	264061	138.339	ug/l	99

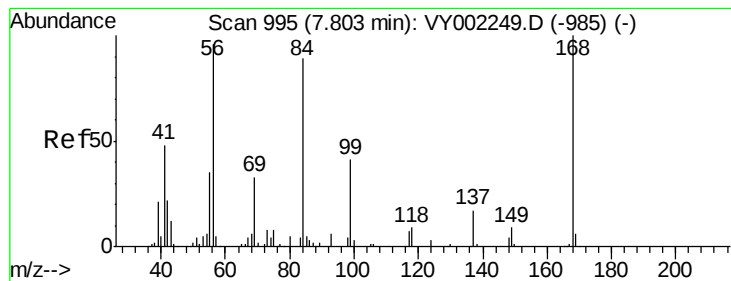
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampled :

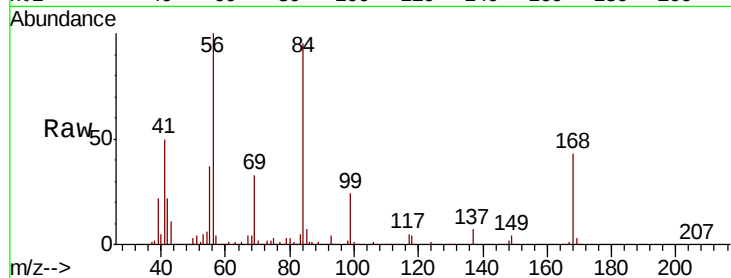
VSTDIC150

Tot Ion:168 Resp: 156632

Ion Ratio Lower Upper

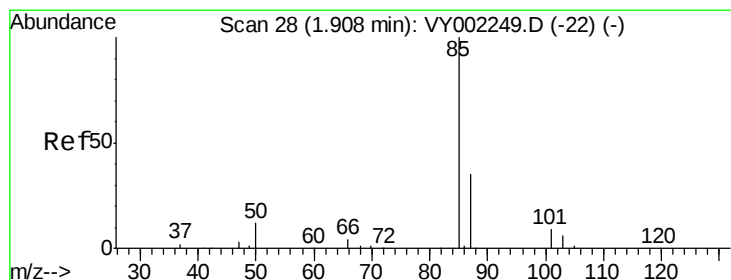
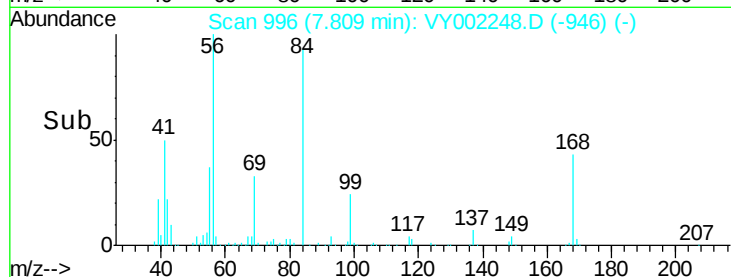
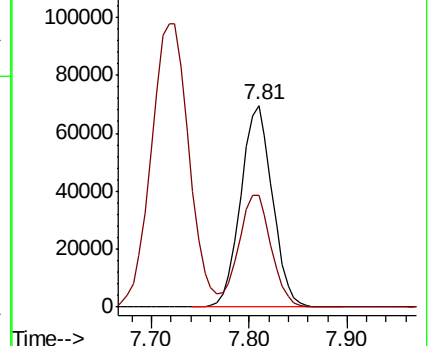
168 100

99 55.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#2

Dichlorodifluoromethane

Concen: 147.601 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002248.D

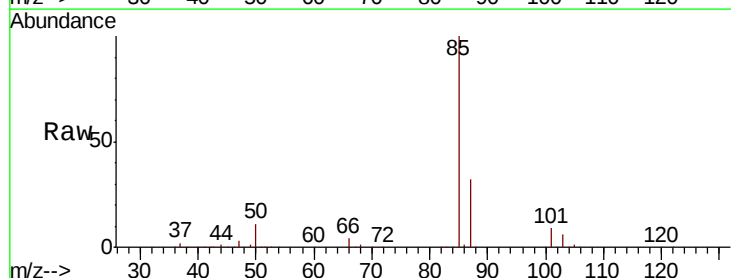
Acq: 08 Apr 2020 13:16

Tgt Ion: 85 Resp: 233655

Ion Ratio Lower Upper

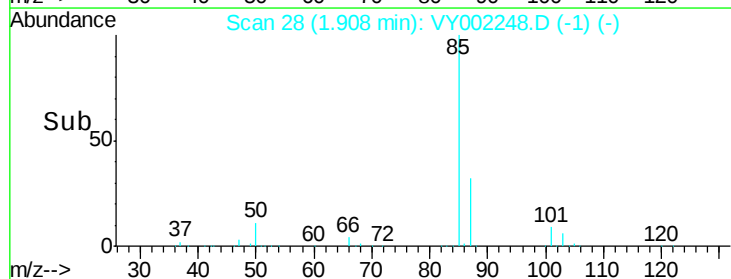
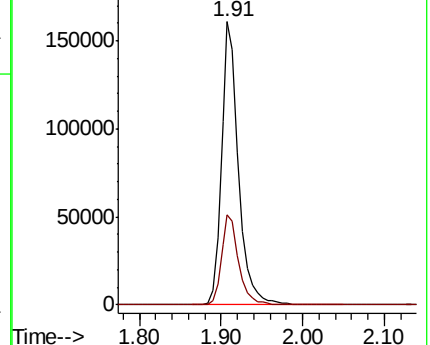
85 100

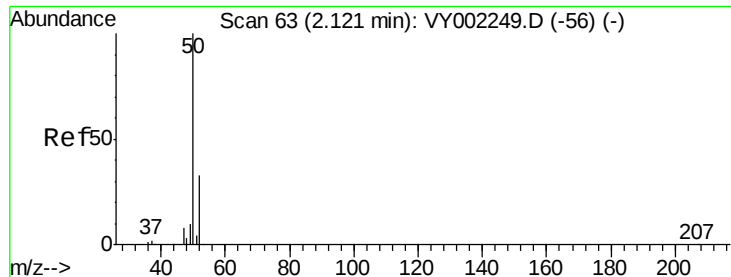
87 31.7 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)





#3

Chloromethane

Concen: 143.268 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

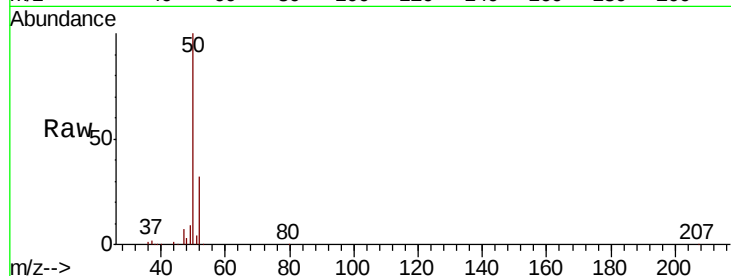
VSTDIC150

Tot Ion: 50 Resp: 285434

Ion Ratio Lower Upper

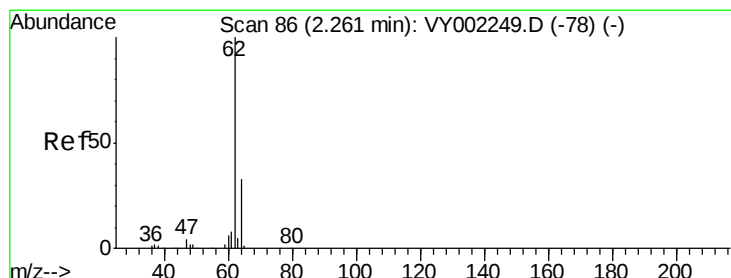
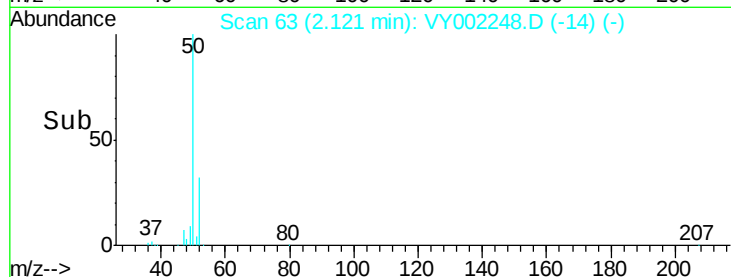
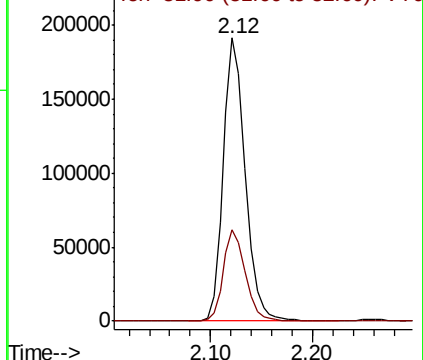
50 100

52 32.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 141.651 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002248.D

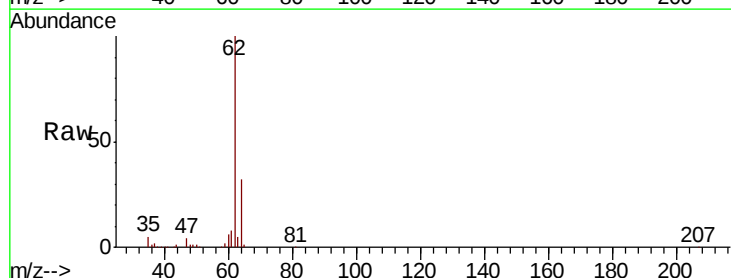
Acq: 08 Apr 2020 13:16

Tgt Ion: 62 Resp: 300385

Ion Ratio Lower Upper

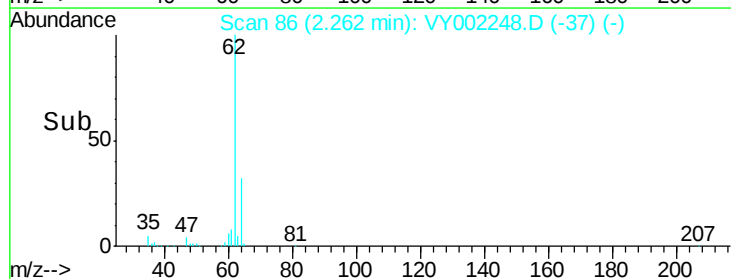
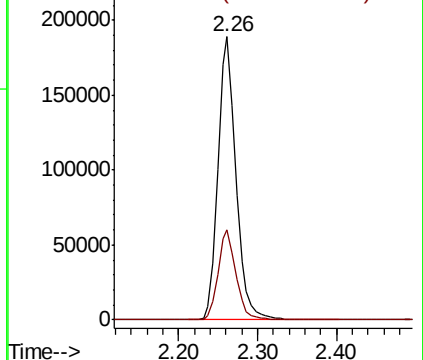
62 100

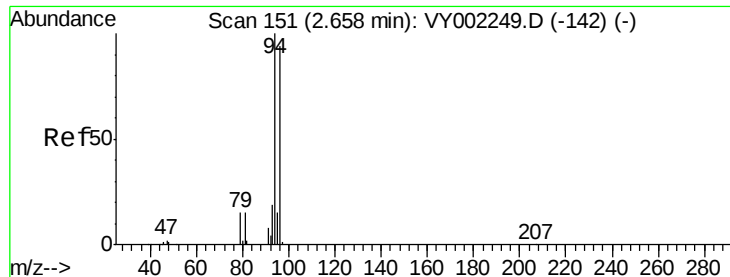
64 31.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 122.458 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

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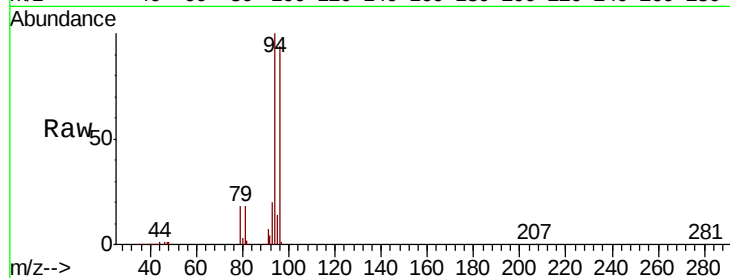
VSTDIC150

Tot Ion: 94 Resp: 160363

Ion Ratio Lower Upper

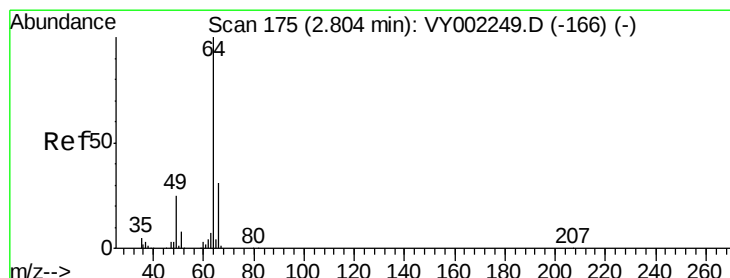
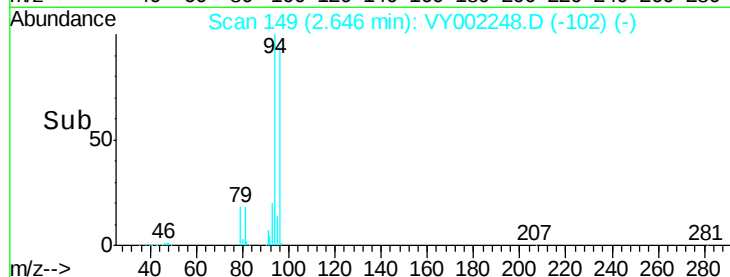
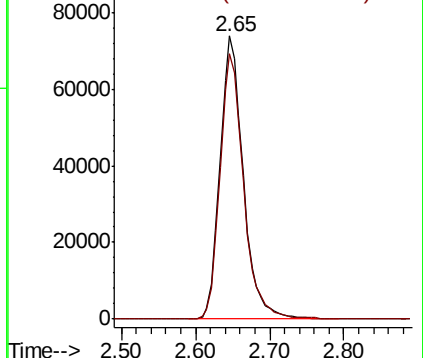
94 100

96 93.8 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 141.198 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002248.D

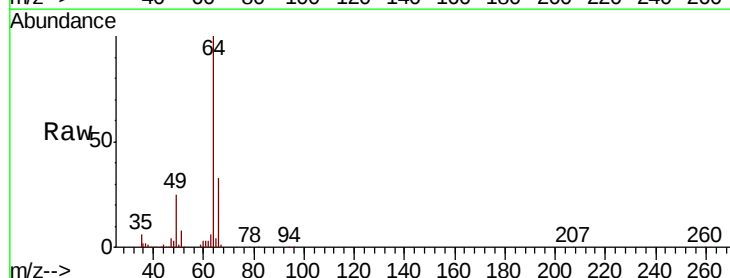
Acq: 08 Apr 2020 13:16

Tgt Ion: 64 Resp: 172683

Ion Ratio Lower Upper

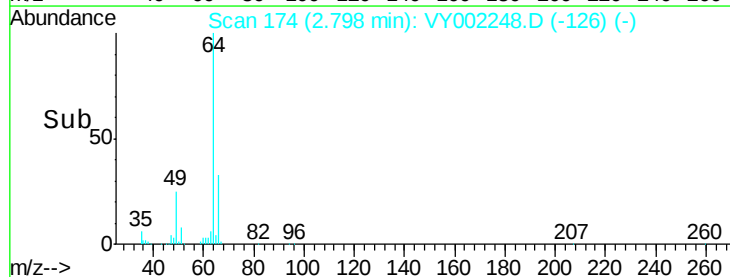
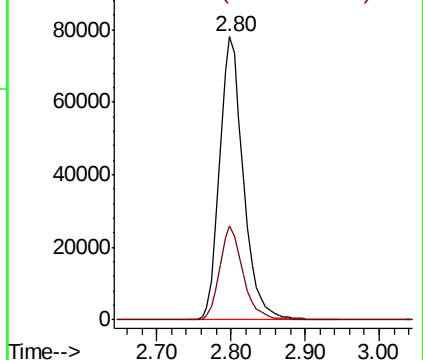
64 100

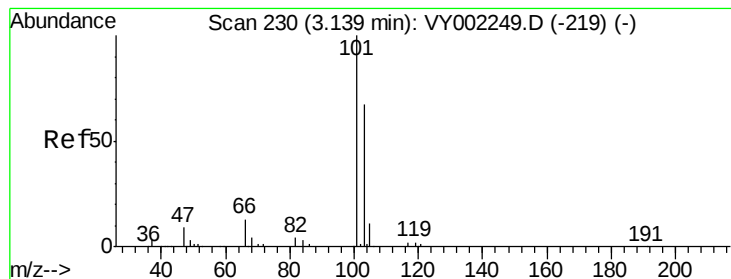
66 33.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



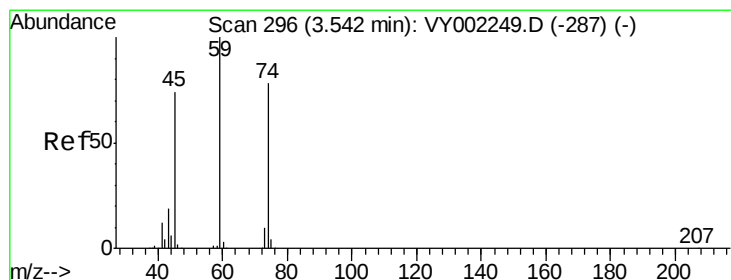
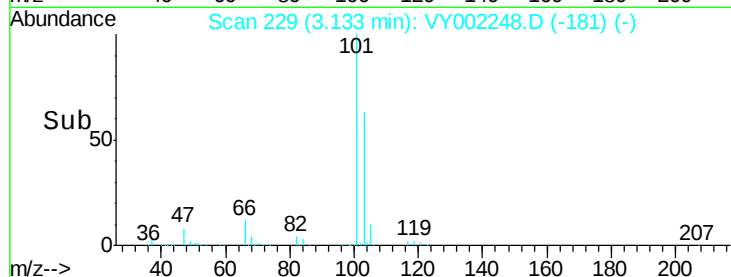
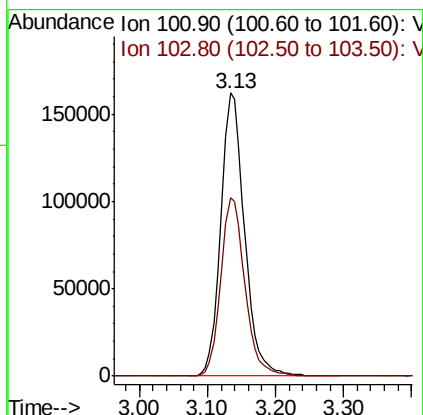
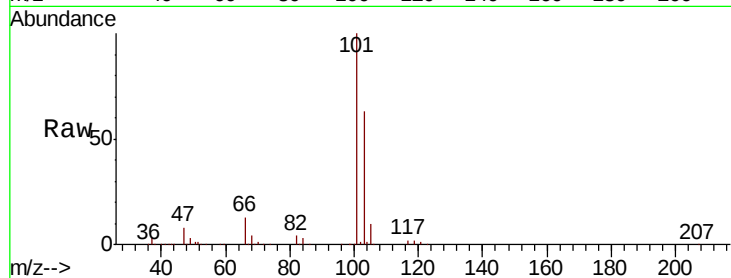


#7

Trichlorofluoromethane
 Concen: 143.433 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Instrument :
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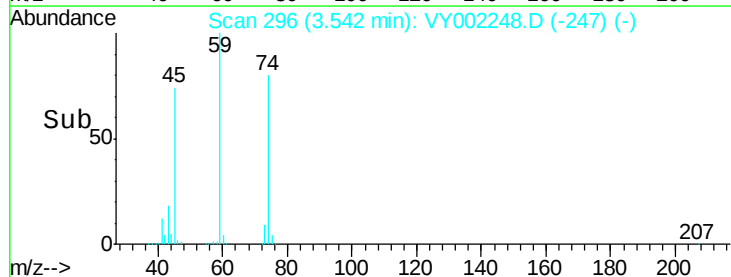
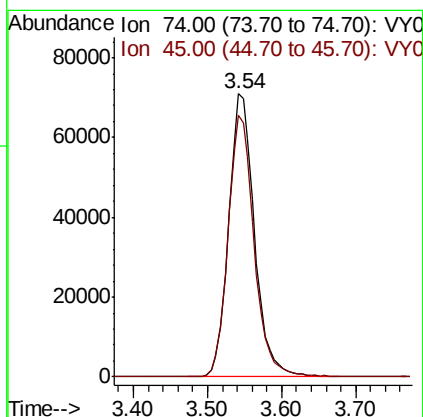
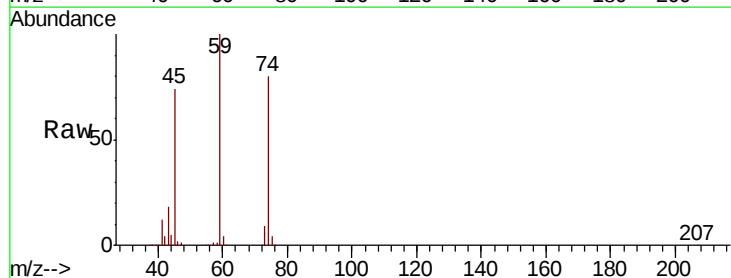
Tot Ion:101 Resp: 392806
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.3 79.9

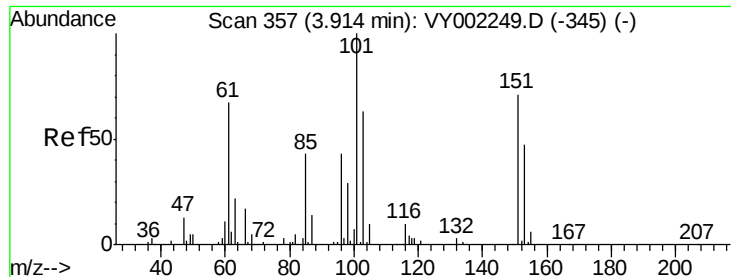


#8

Diethyl Ether
 Concen: 147.734 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion: 74 Resp: 171998
 Ion Ratio Lower Upper
 74 100
 45 93.6 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.010 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

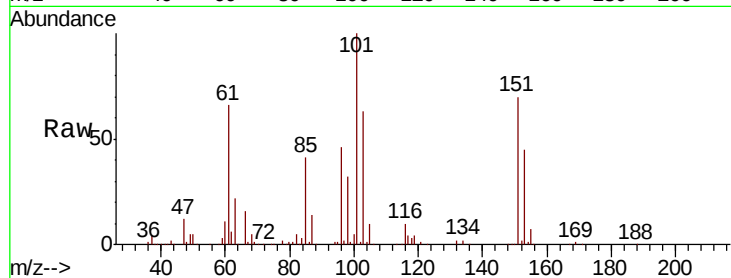
Tot Ion:101 Resp: 267899

Ion Ratio Lower Upper

101 100

85 42.4 34.6 52.0

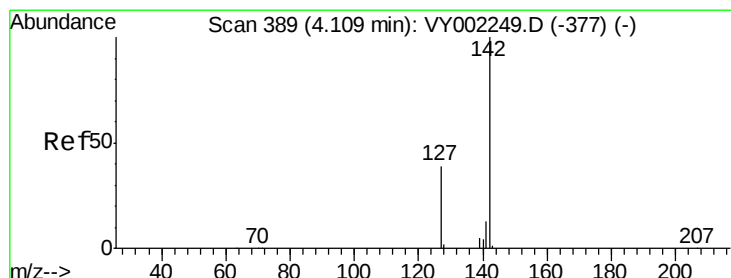
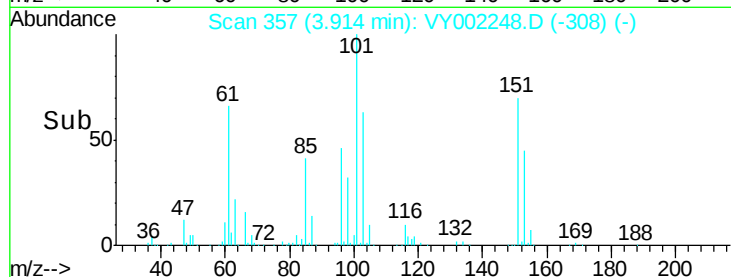
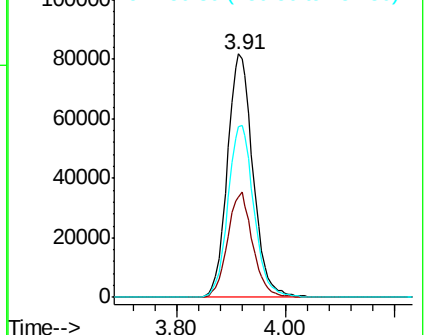
151 71.6 57.6 86.4



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: 163.122 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

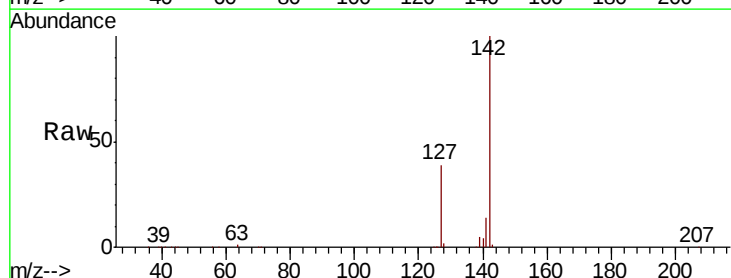
Tgt Ion:142 Resp: 352729

Ion Ratio Lower Upper

142 100

127 39.4 32.4 48.6

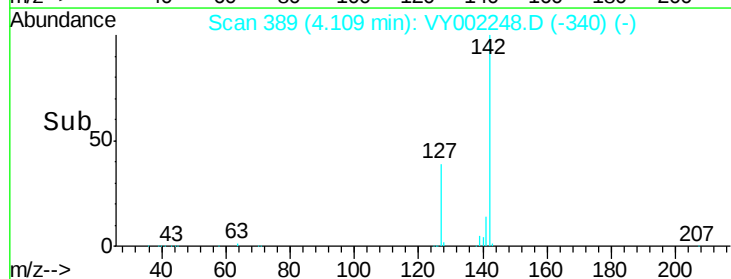
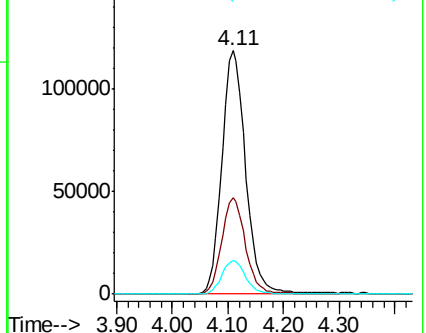
141 13.9 11.2 16.8

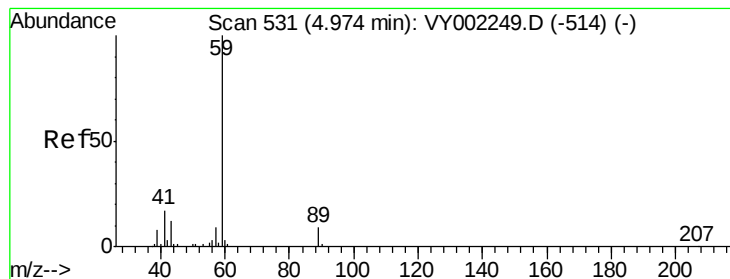


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 538.494 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.02 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

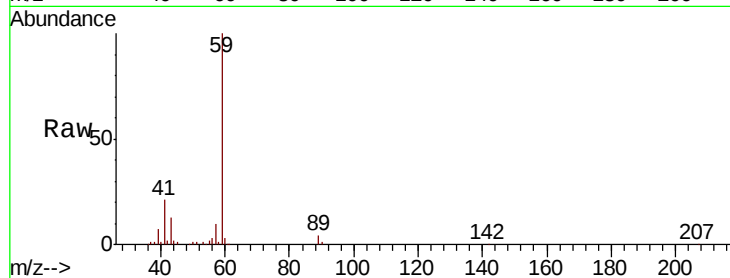
VSTDIC150

Tot Ion: 59 Resp: 123401

Ion Ratio Lower Upper

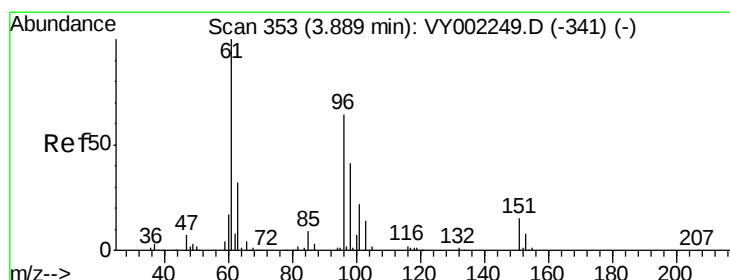
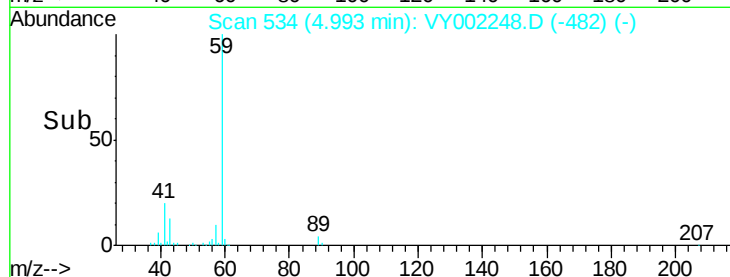
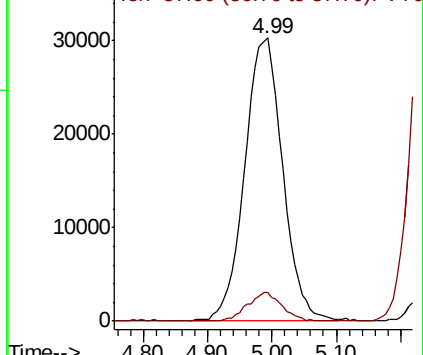
59 100

57 9.3 6.6 9.8



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 145.455 ug/l

RT: 3.89 min Scan# 353

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

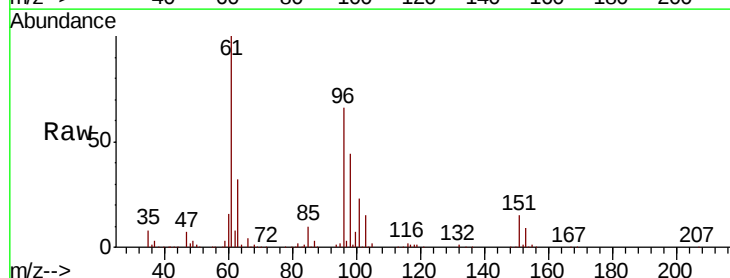
Tgt Ion: 96 Resp: 275098

Ion Ratio Lower Upper

96 100

61 150.6 125.9 188.9

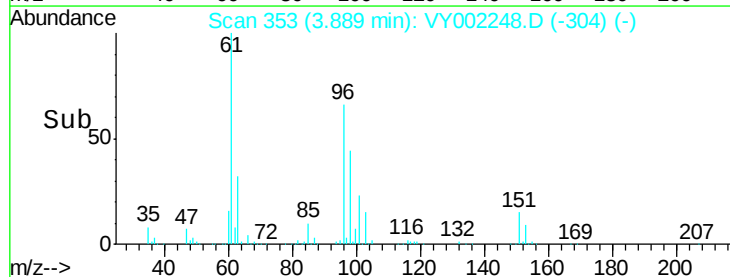
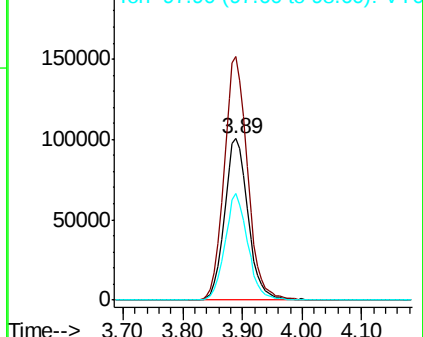
98 65.6 51.1 76.7

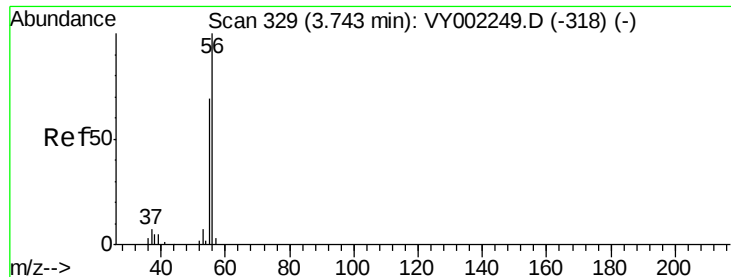


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#13

Acrolein

Concen: 714.950 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

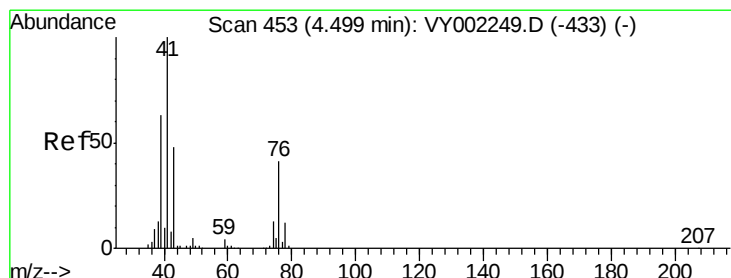
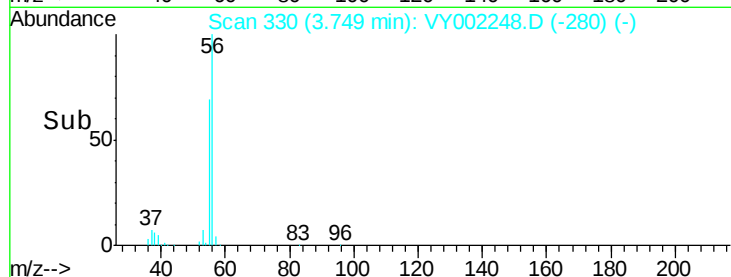
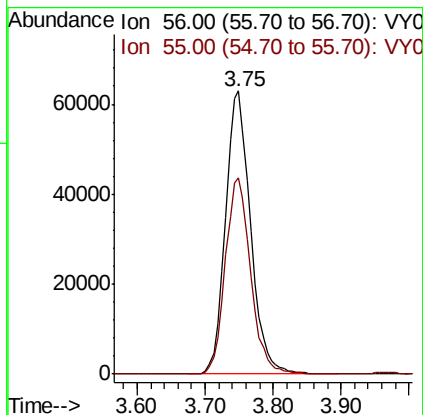
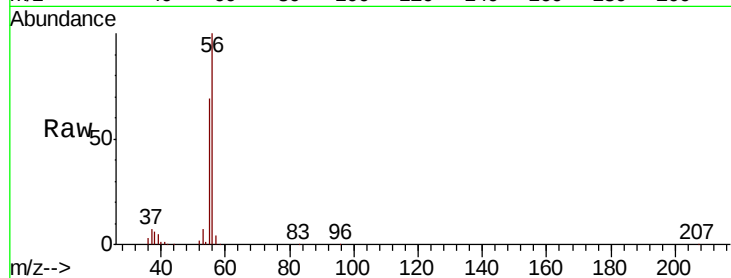
VSTDIC150

Tot Ion: 56 Resp: 160571

Ion Ratio Lower Upper

56 100

55 69.8 55.8 83.8



#14

Allyl chloride

Concen: 142.163 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

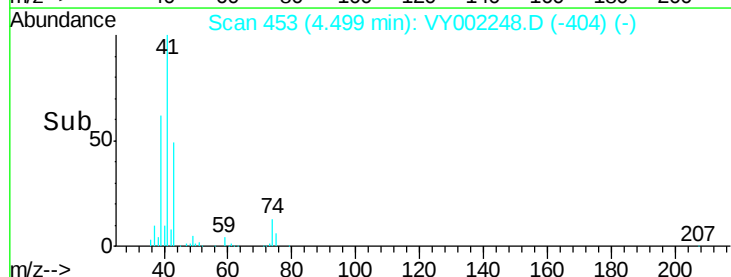
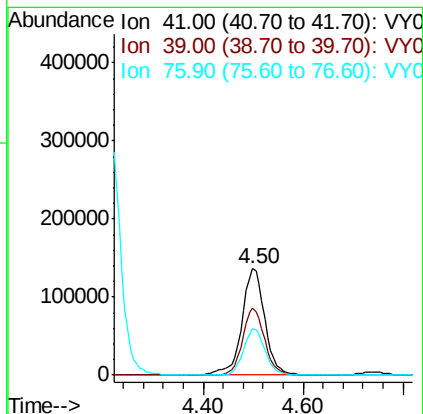
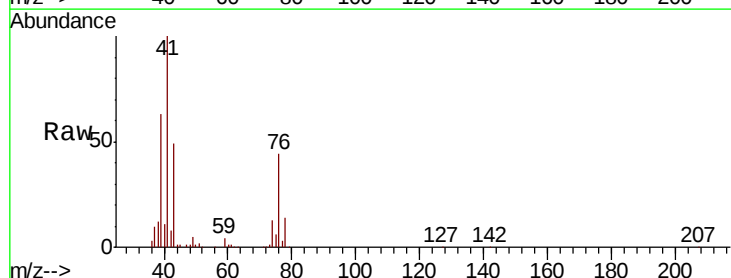
Tgt Ion: 41 Resp: 434179

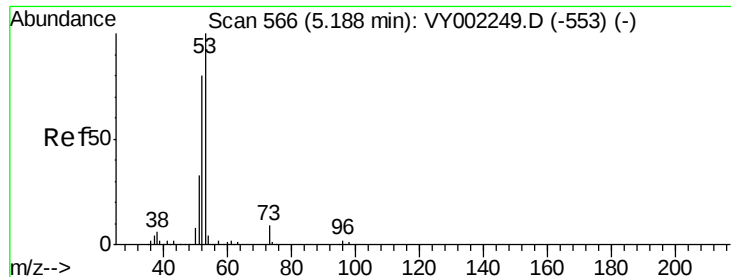
Ion Ratio Lower Upper

41 100

39 60.2 48.0 72.0

76 41.1 31.0 46.6





#15

Acrylonitrile

Concen: 697.058 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

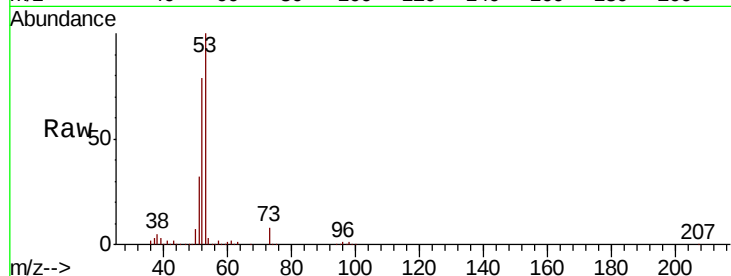
Tot Ion: 53 Resp: 415007

Ion Ratio Lower Upper

53 100

52 79.8 65.1 97.7

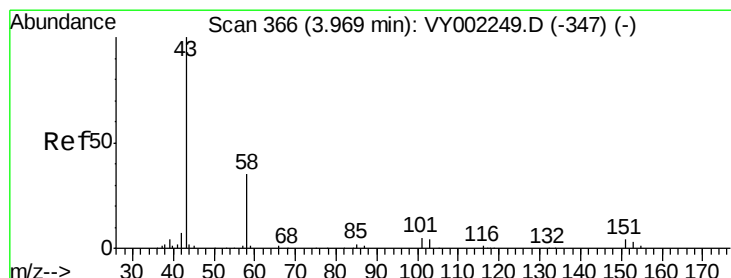
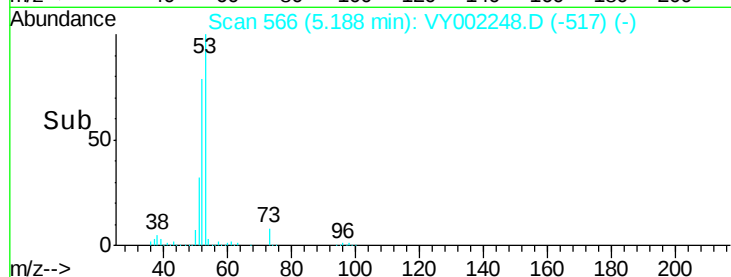
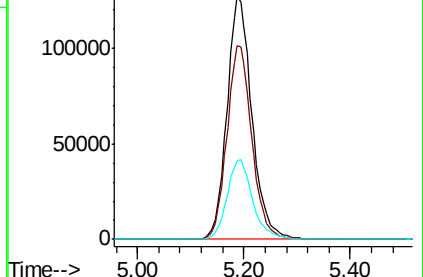
51 33.7 27.1 40.7



Abundance Ion 53.00 (52.70 to 53.70): VY002248.D (-517) (-)

Ion 52.00 (51.70 to 52.70): VY002248.D (-517) (-)

Ion 51.00 (50.70 to 51.70): VY002248.D (-517) (-)



#16

Acetone

Concen: 641.431 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002248.D

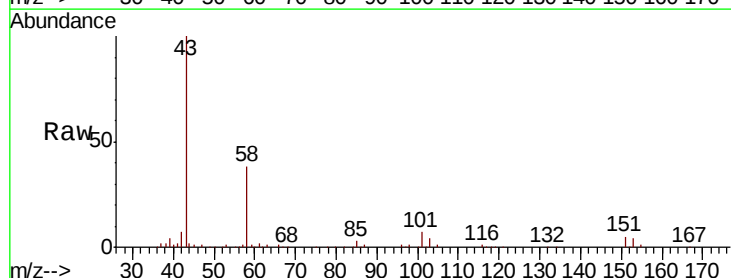
Acq: 08 Apr 2020 13:16

Tgt Ion: 43 Resp: 294273

Ion Ratio Lower Upper

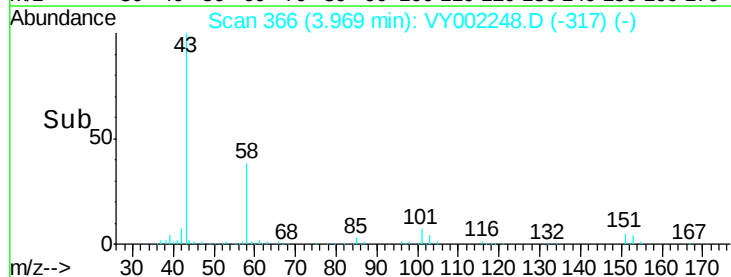
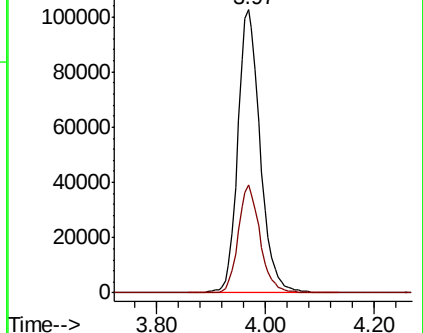
43 100

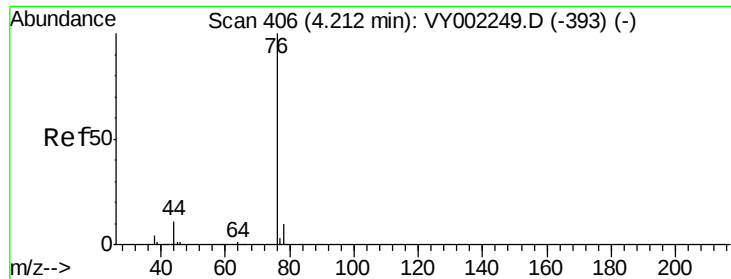
58 38.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002248.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VY002248.D (-317) (-)





#17

Carbon Disulfide

Concen: 147.313 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

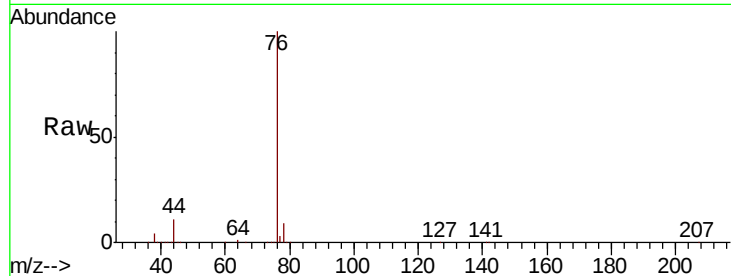
VSTDIC150

Tot Ion: 76 Resp: 925290

Ion Ratio Lower Upper

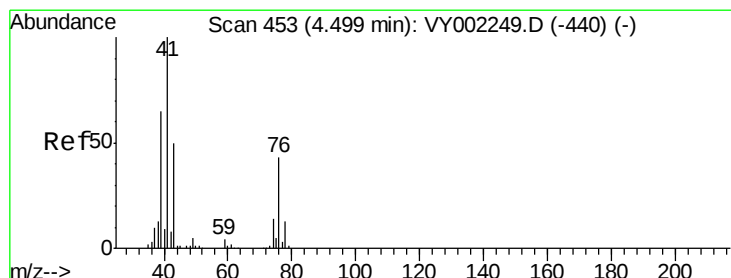
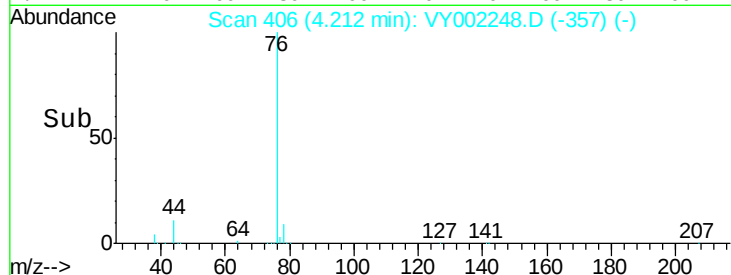
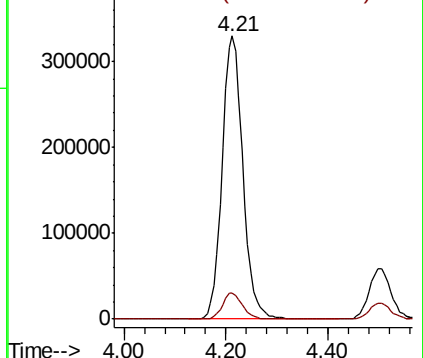
76 100

78 9.2 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 136.425 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002248.D

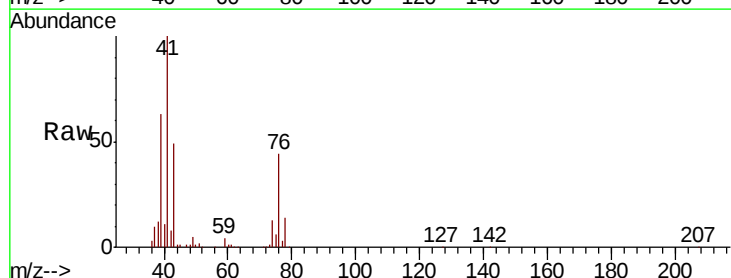
Acq: 08 Apr 2020 13:16

Tgt Ion: 43 Resp: 194136

Ion Ratio Lower Upper

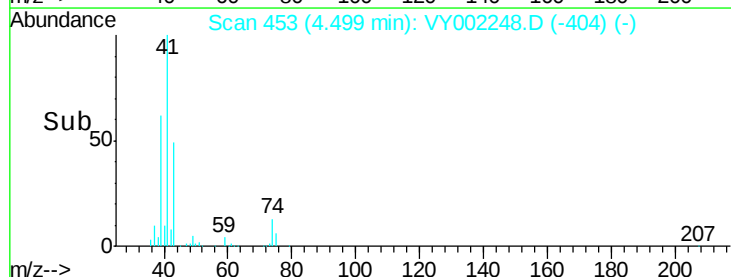
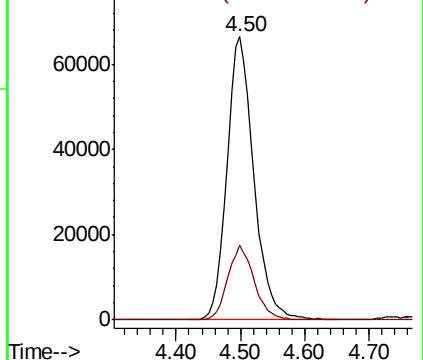
43 100

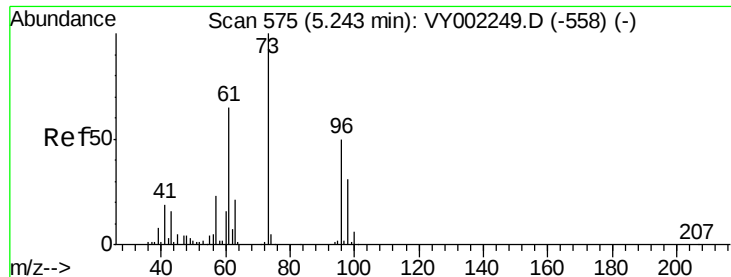
74 26.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

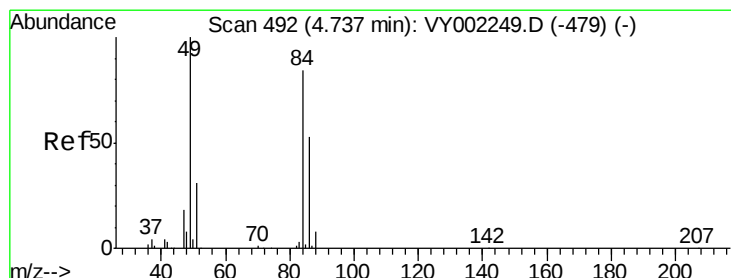
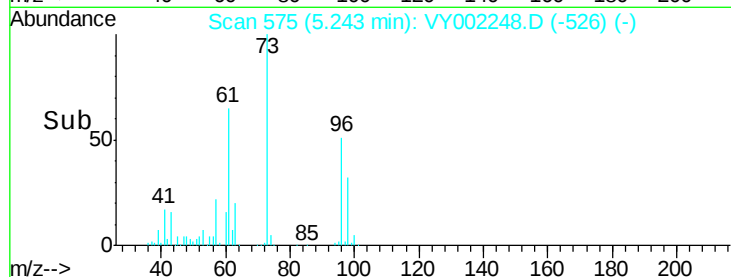
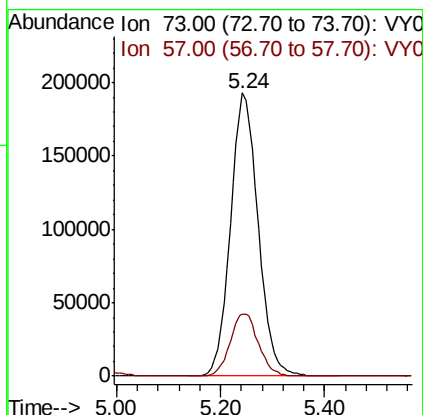
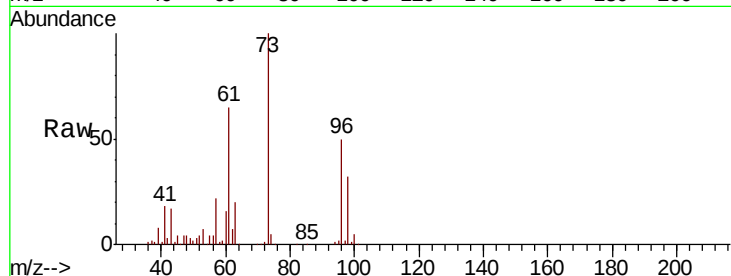




#19
Methvl tert-butvl Ether
Concen: 143.266 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

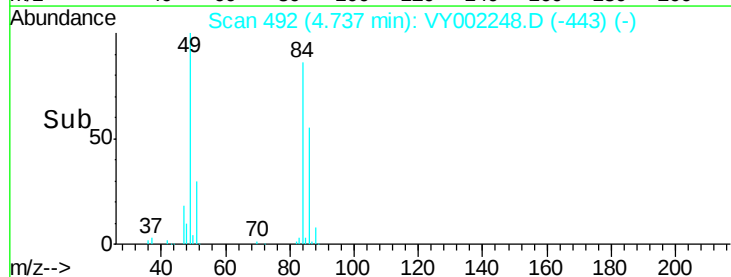
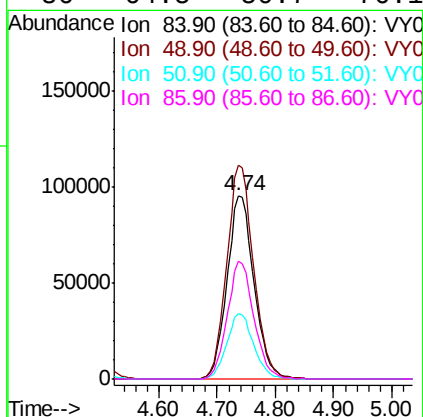
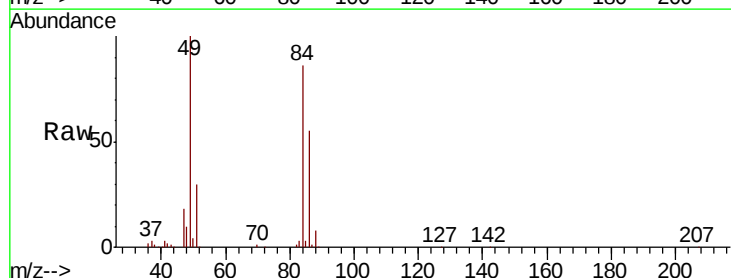
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

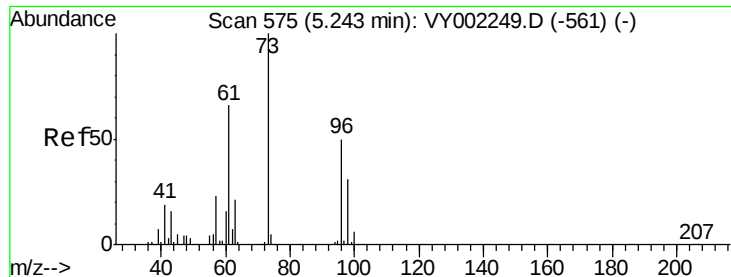
Tot Ion: 73 Resp: 712340
Ion Ratio Lower Upper
73 100
57 22.1 18.7 28.1



#20
Methylene Chloride
Concen: 136.018 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 84 Resp: 306714
Ion Ratio Lower Upper
84 100
49 116.6 95.5 143.3
51 35.5 29.5 44.3
86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 145.168 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

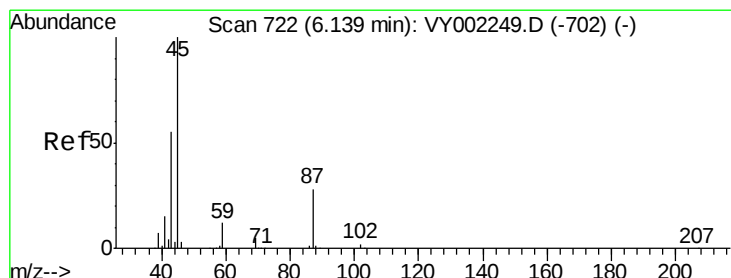
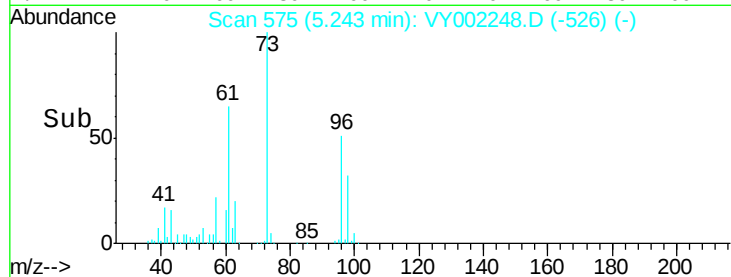
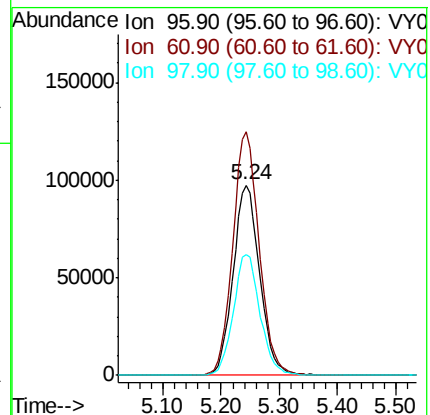
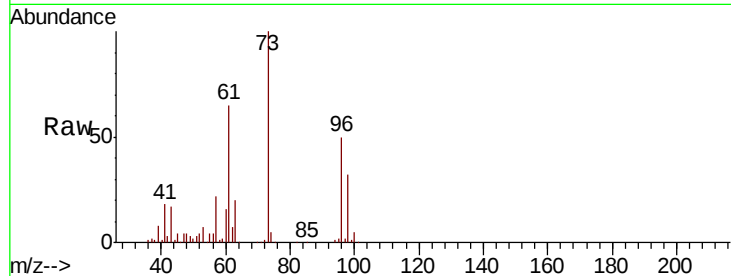
Tot Ion: 96 Resp: 308174

Ion Ratio Lower Upper

96 100

61 128.1 104.6 157.0

98 63.8 50.1 75.1



#22

Diisopropyl ether

Concen: 136.597 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Tgt Ion: 45 Resp: 839557

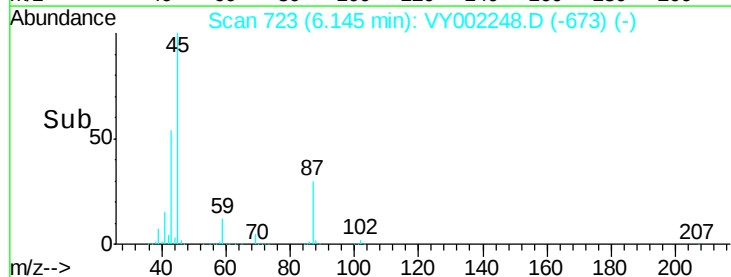
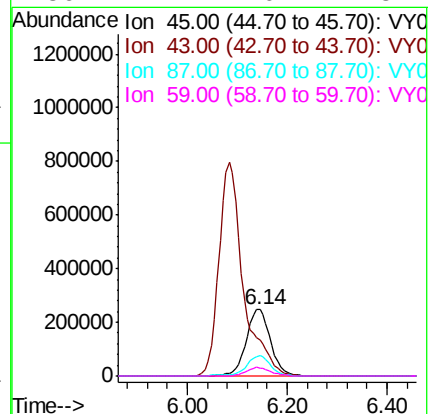
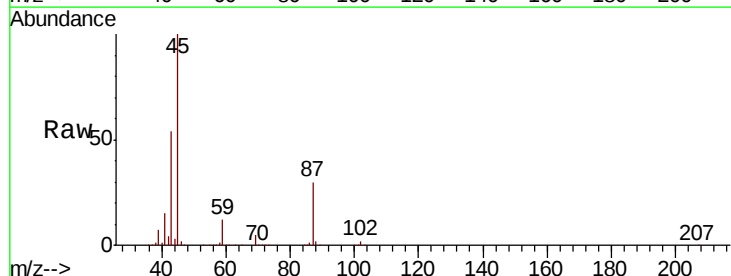
Ion Ratio Lower Upper

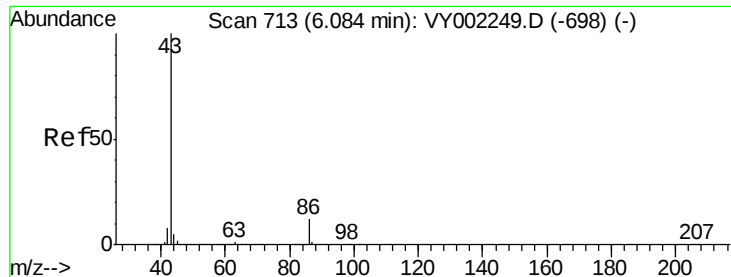
45 100

43 53.7 44.7 67.1

87 30.2 23.0 34.4

59 12.2 10.1 15.1





#23

Vinyl Acetate

Concen: 686.975 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

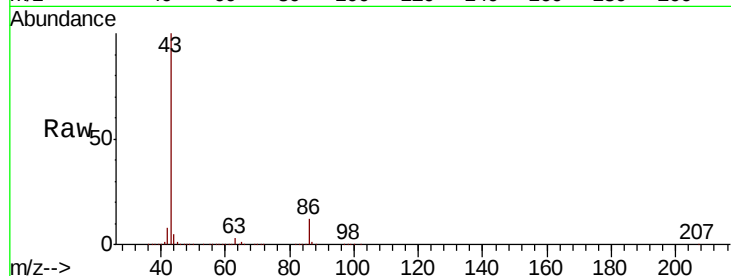
VSTDIC150

Tot Ion: 43 Resp: 2690711

Ion Ratio Lower Upper

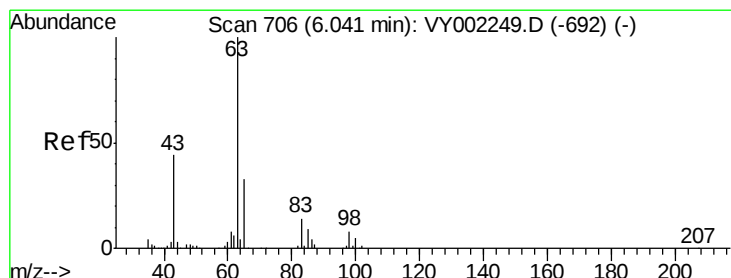
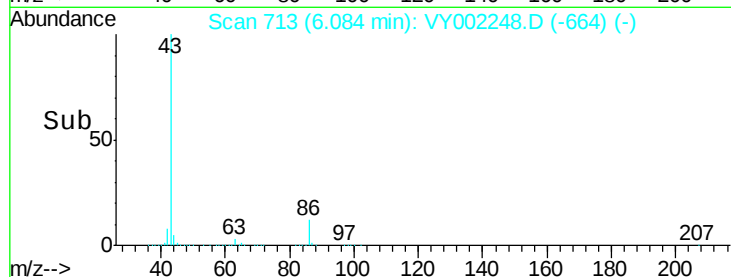
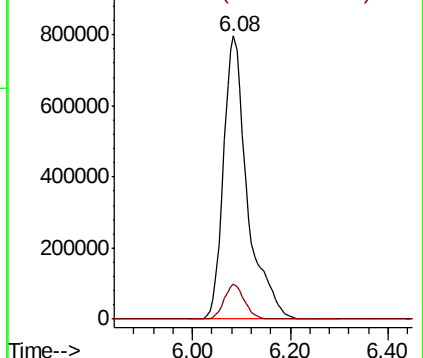
43 100

86 12.3 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 143.029 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

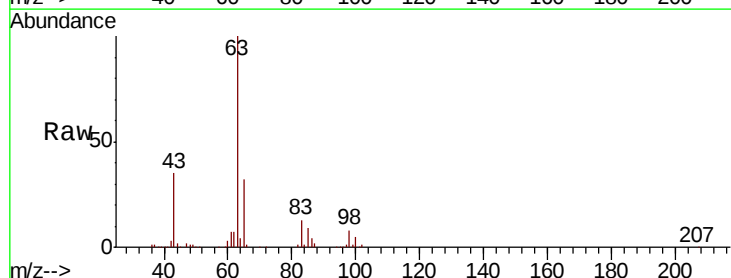
Tgt Ion: 63 Resp: 500019

Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.0

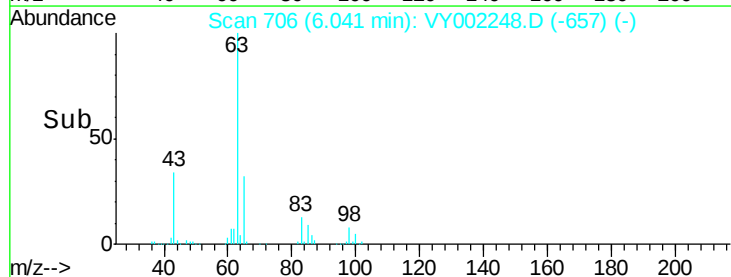
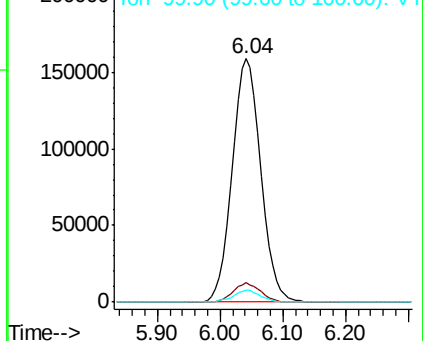
100 4.9 2.4 7.1

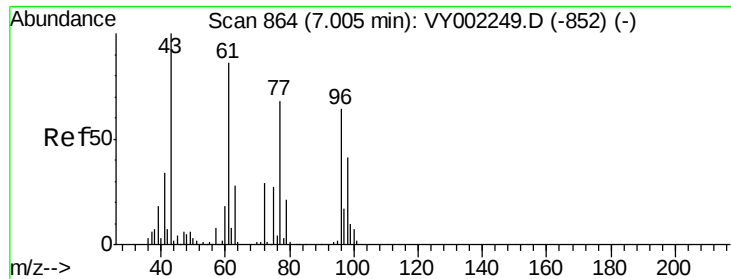


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

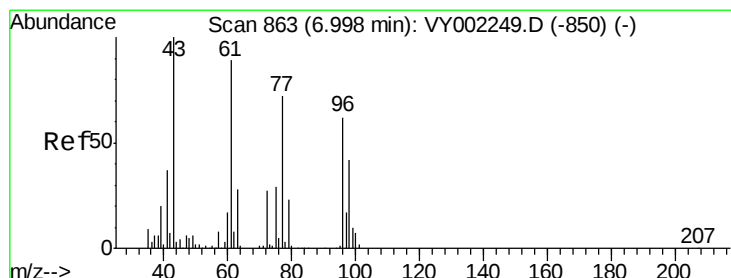
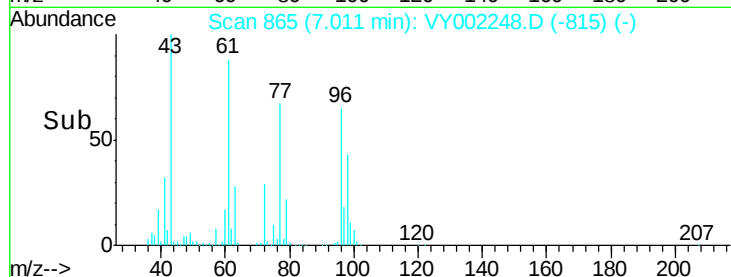
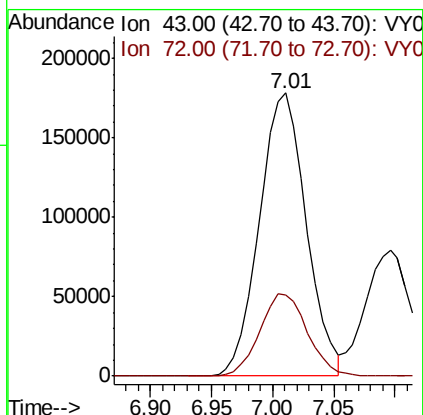
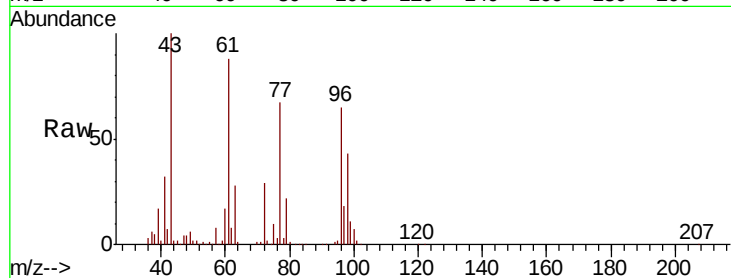




#25
2-Butanone
Concen: 655.357 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

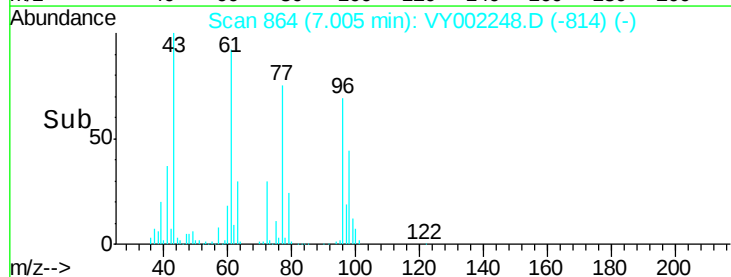
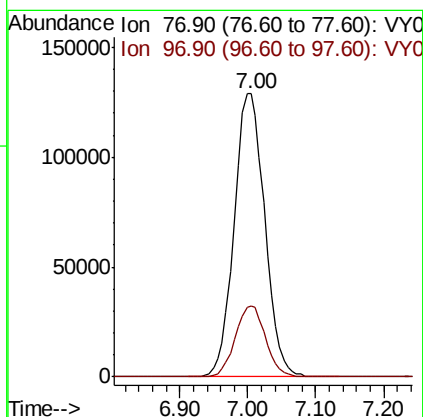
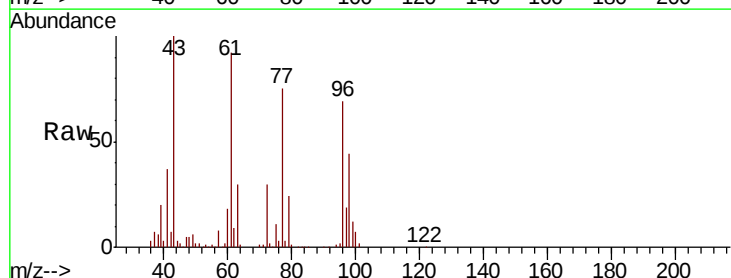
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

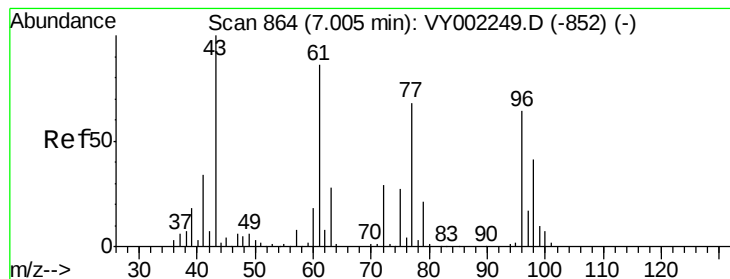
Tot Ion: 43 Resp: 475812
Ion Ratio Lower Upper
43 100
72 28.6 23.2 34.8



#26
2,2-Dichloropropane
Concen: 137.287 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 77 Resp: 401479
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6



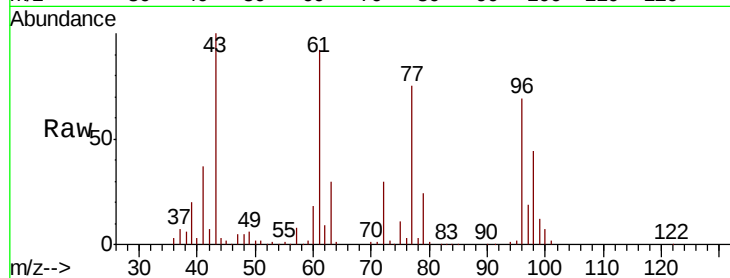


#27

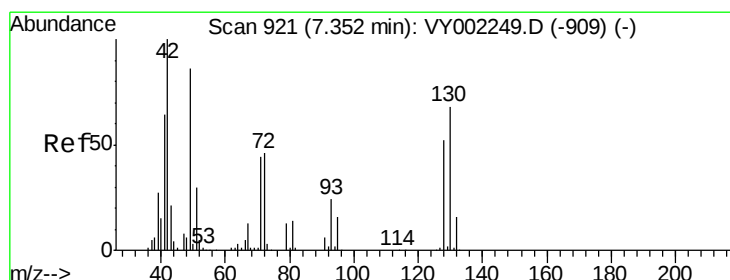
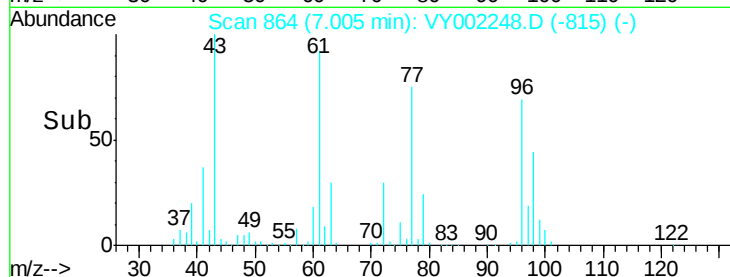
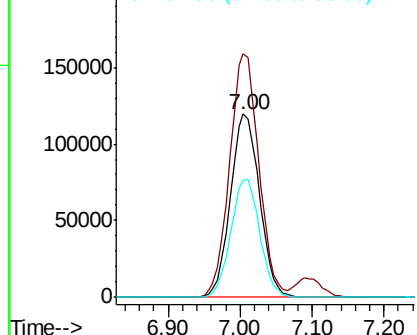
cis-1,2-Dichloroethene
Concen: 144.939 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 335405
Ion Ratio Lower Upper
96 100
61 133.8 0.0 278.0
98 64.5 0.0 128.6



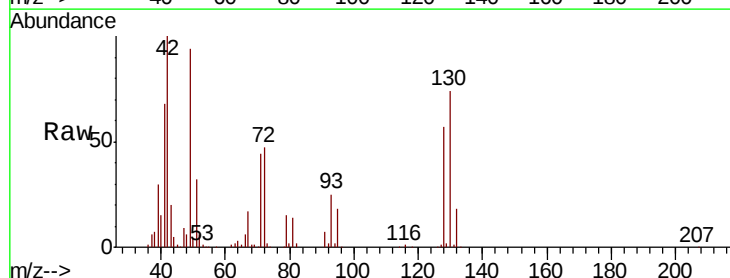
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



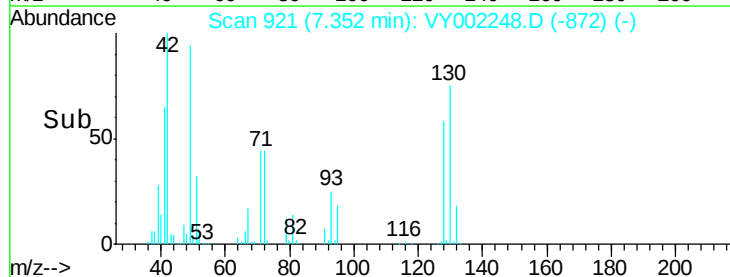
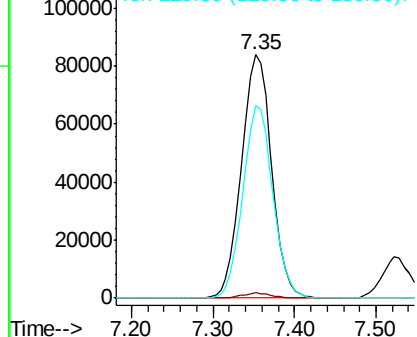
#28

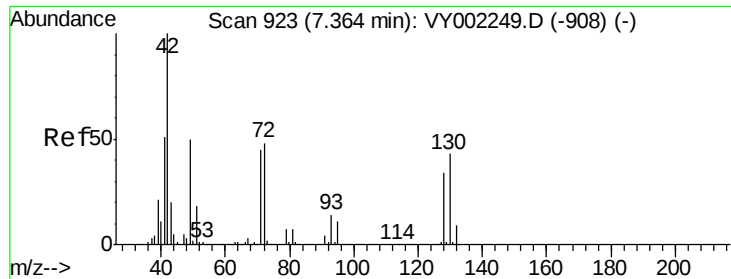
Bromochloromethane
Concen: 142.718 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 49 Resp: 215378
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 78.7 60.9 91.3



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

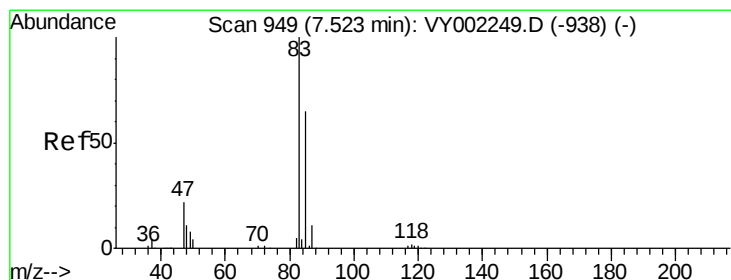
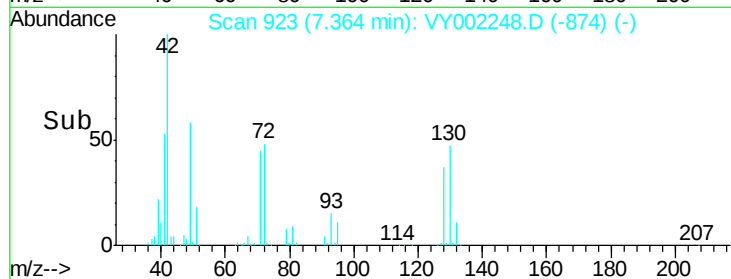
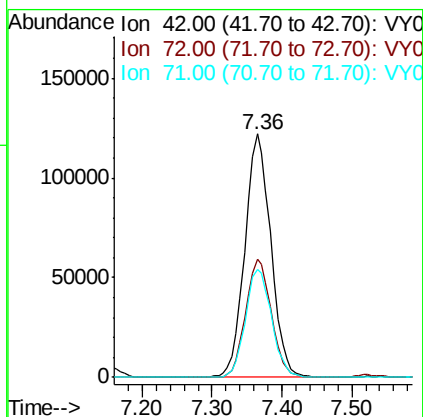
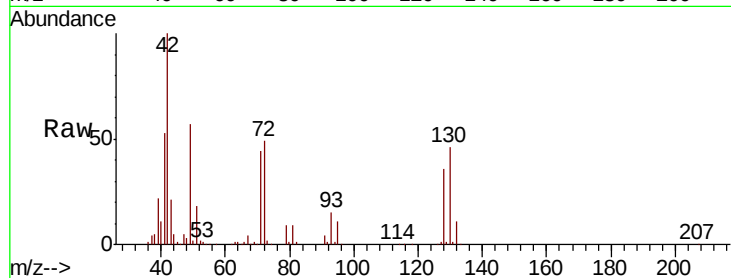




#29
Tetrahydrofuran
Concen: 654.726 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

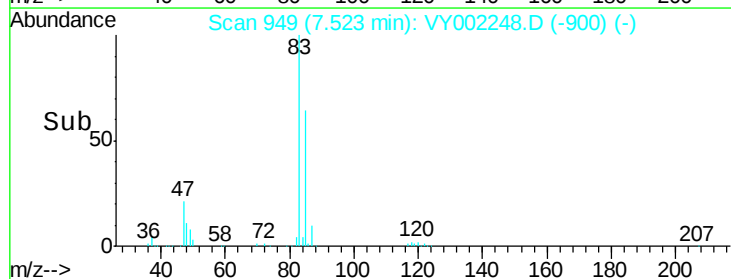
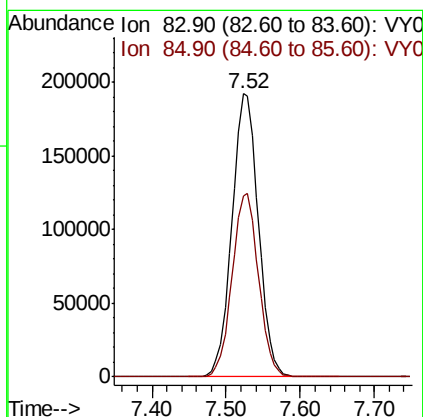
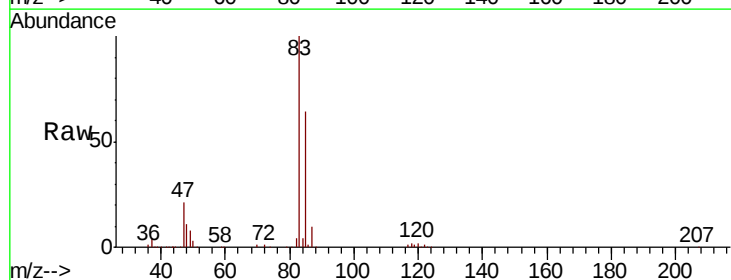
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

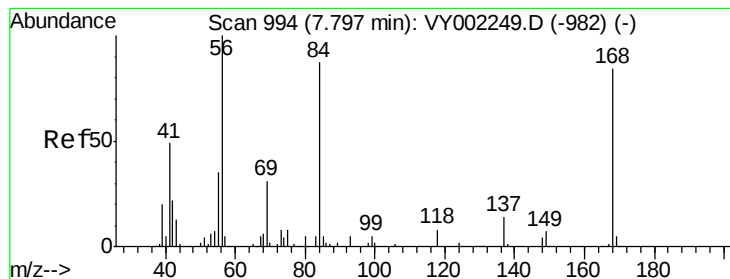
Tot Ion: 42 Resp: 314220
Ion Ratio Lower Upper
42 100
72 48.1 36.7 55.1
71 44.8 34.7 52.1



#30
Chloroform
Concen: 144.807 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 83 Resp: 477200
Ion Ratio Lower Upper
83 100
85 64.1 52.0 78.0





#31

Cyclohexane

Concen: 135.136 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

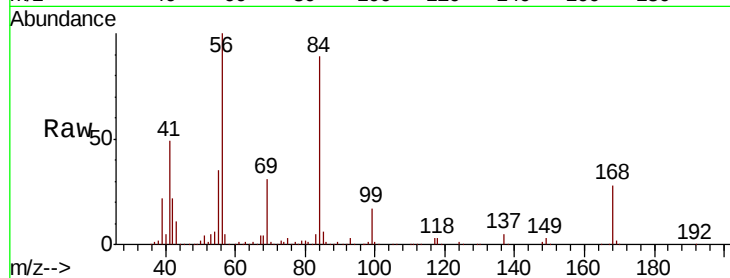
Tot Ion: 56 Resp: 495898

Ion Ratio Lower Upper

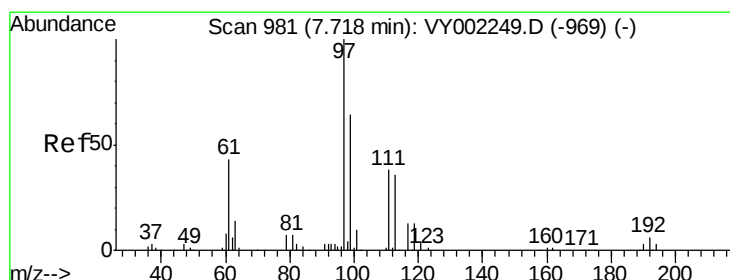
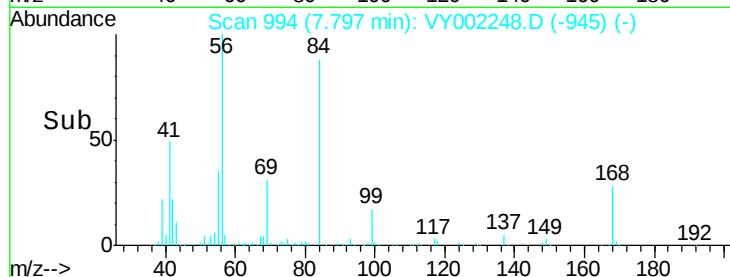
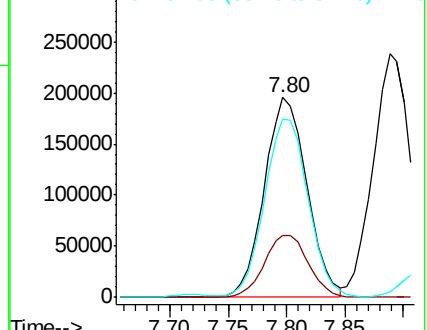
56 100

69 30.9 25.0 37.6

84 88.1 69.7 104.5



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: 147.236 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

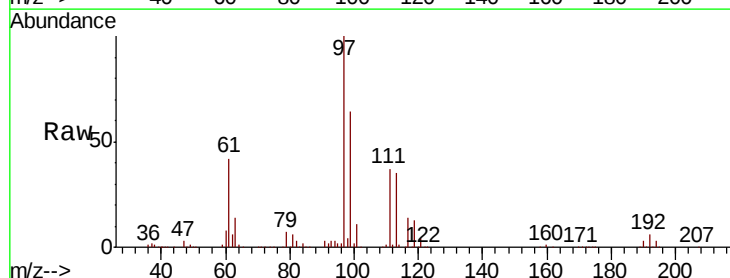
Tgt Ion: 97 Resp: 403854

Ion Ratio Lower Upper

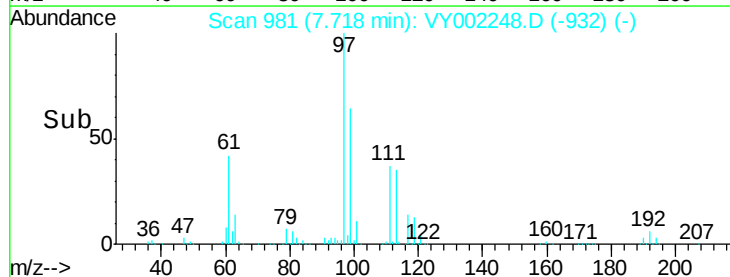
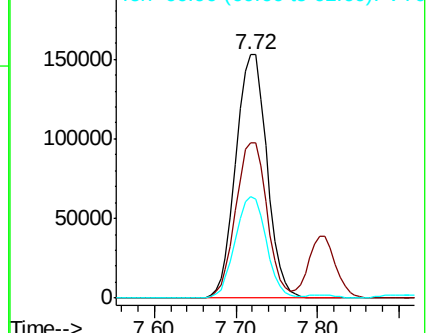
97 100

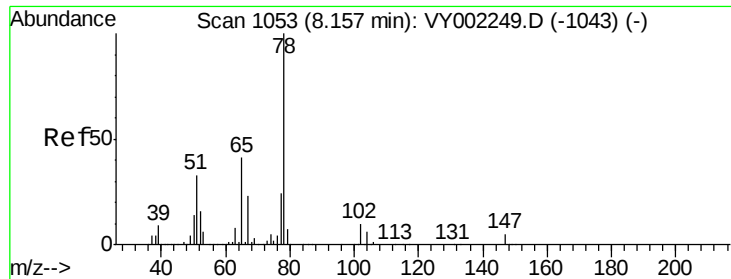
99 64.6 51.3 76.9

61 41.6 34.3 51.5



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: 144.982 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

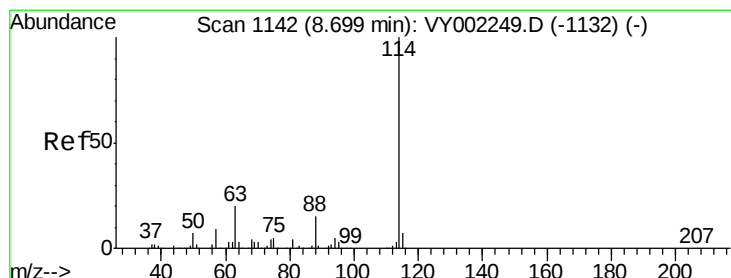
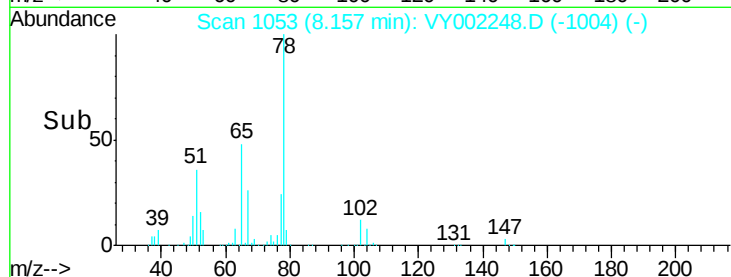
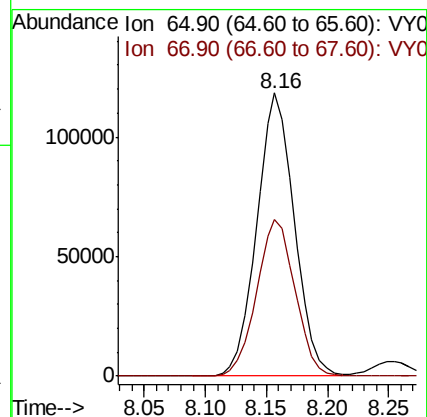
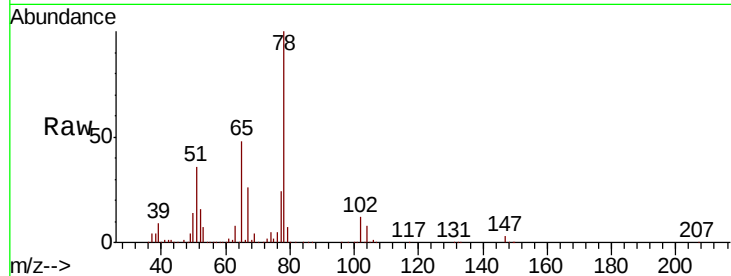
VSTDIC150

Tot Ion: 65 Resp: 252539

Ion Ratio Lower Upper

65 100

67 56.4 0.0 114.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

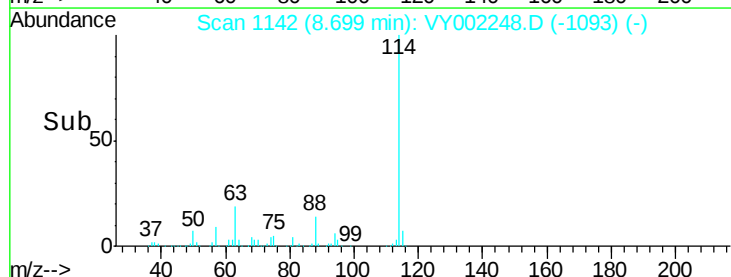
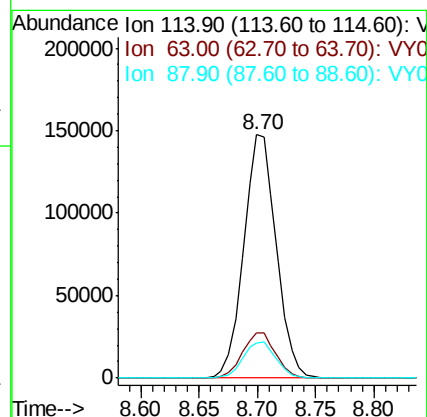
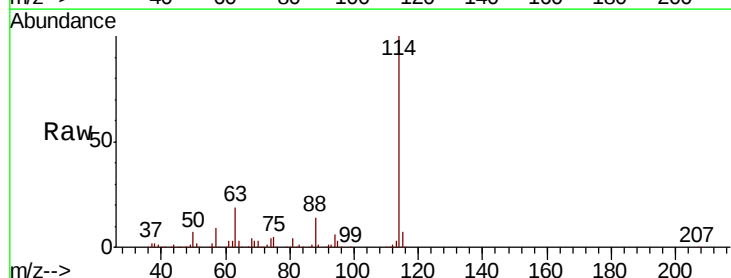
Tgt Ion: 114 Resp: 287813

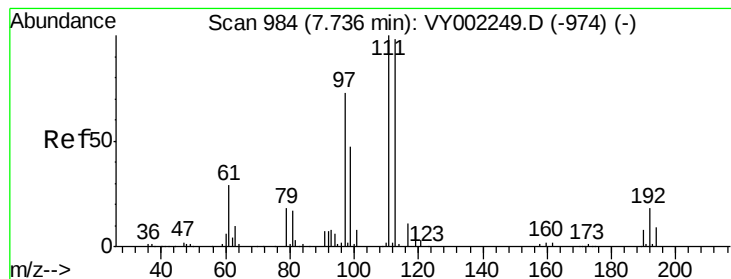
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.0

88 14.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 148.922 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

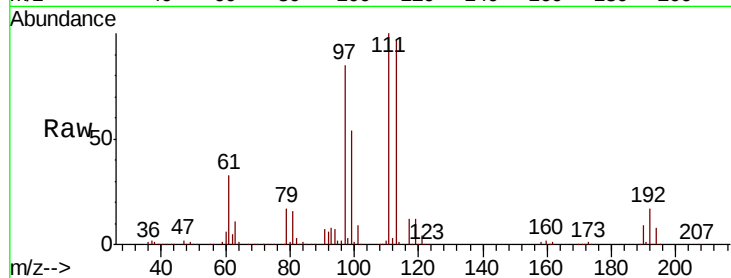
Tot Ion:113 Resp: 255041

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

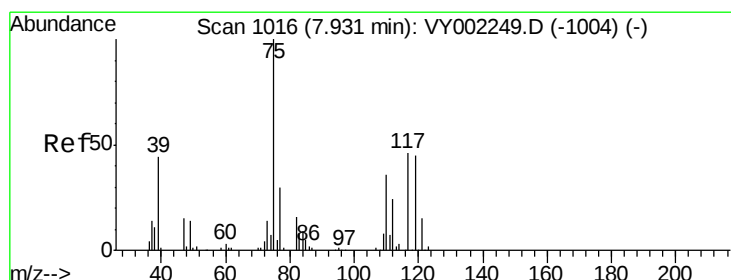
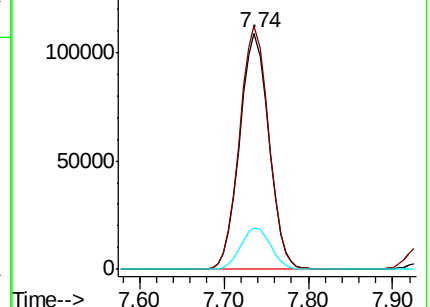
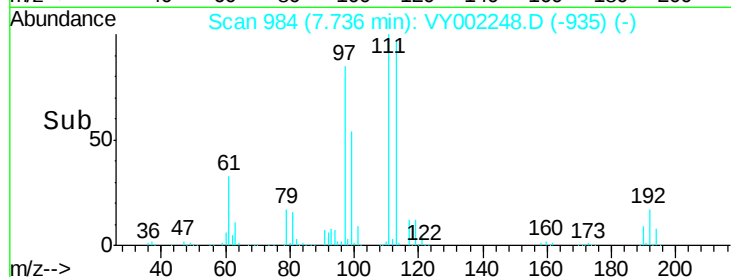
192 18.1 14.7 22.1



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: 140.899 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

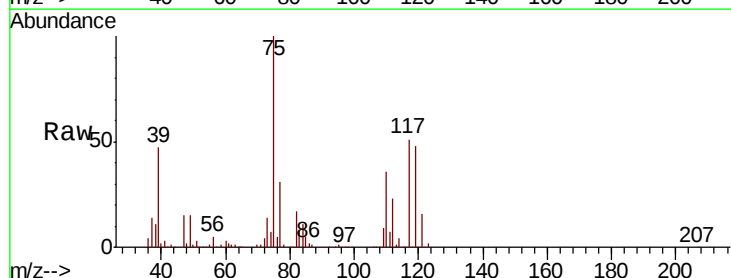
Tgt Ion: 75 Resp: 399436

Ion Ratio Lower Upper

75 100

110 36.7 17.8 53.3

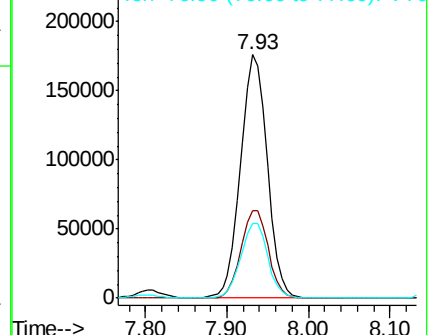
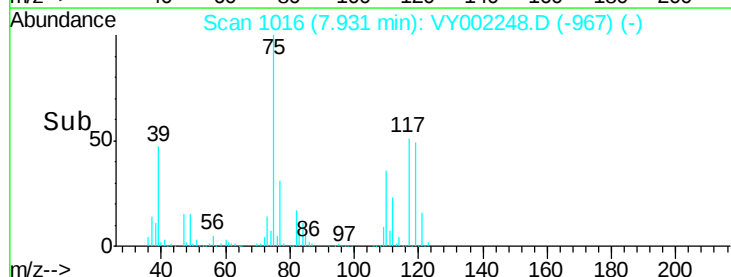
77 31.3 24.4 36.6

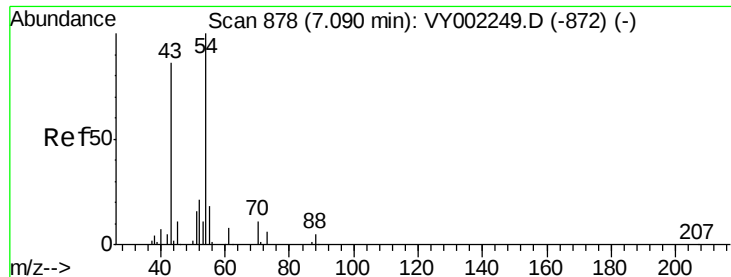


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

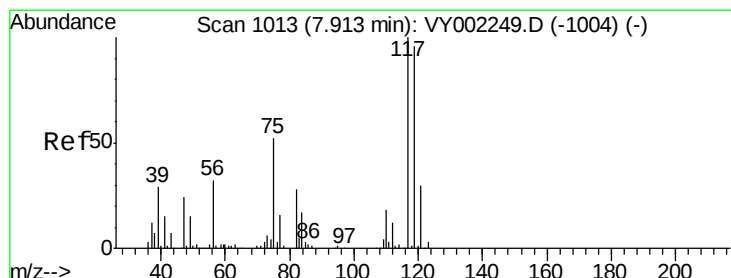
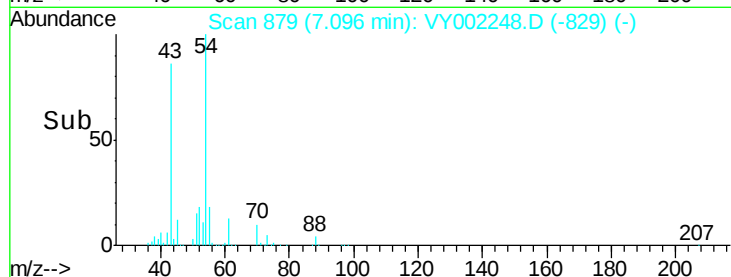
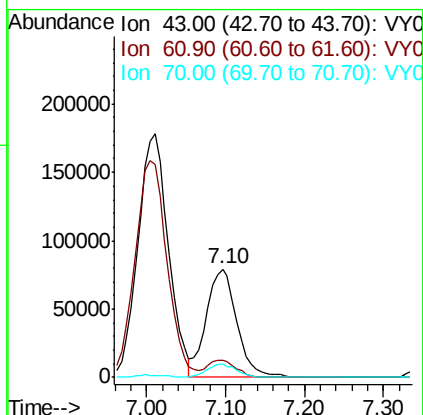
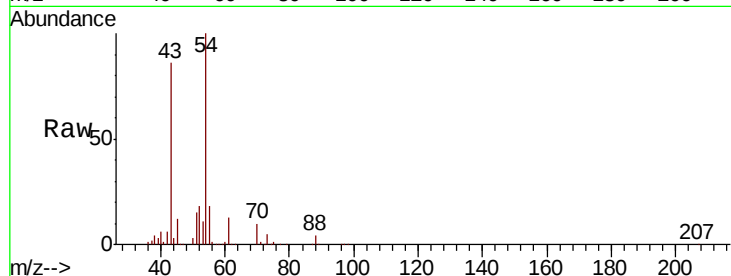




#37
Ethyl Acetate
Concen: 131.632 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

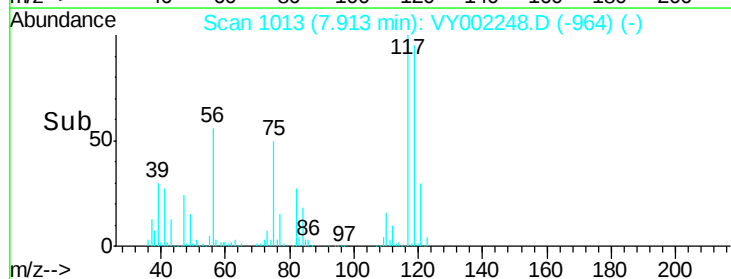
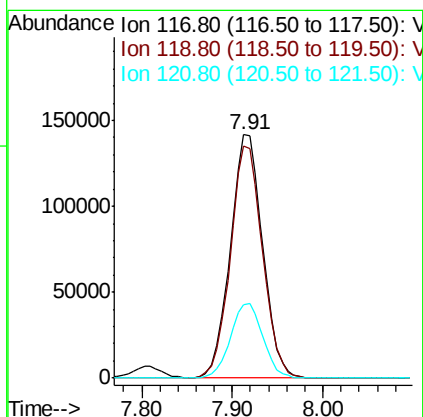
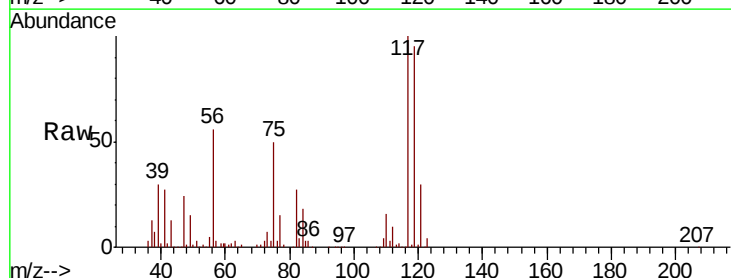
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

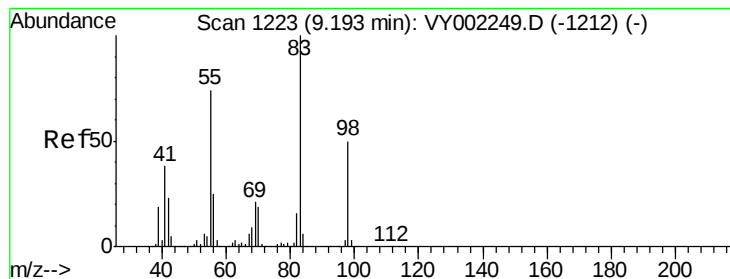
Tot Ion: 43 Resp: 213182
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 11.5 9.1 13.7



#38
Carbon Tetrachloride
Concen: 144.732 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 117 Resp: 350961
Ion Ratio Lower Upper
117 100
119 95.1 77.1 115.7
121 29.9 23.9 35.9





#39

Methvlcvclohexane

Concen: 142.274 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

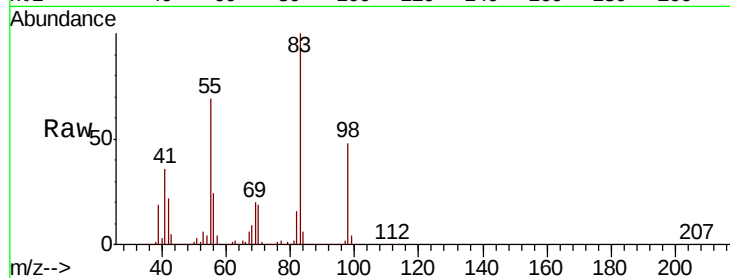
Tot Ion: 83 Resp: 548661

Ion Ratio Lower Upper

83 100

55 69.2 59.3 88.9

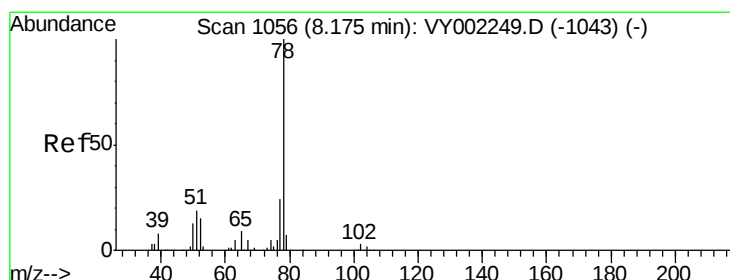
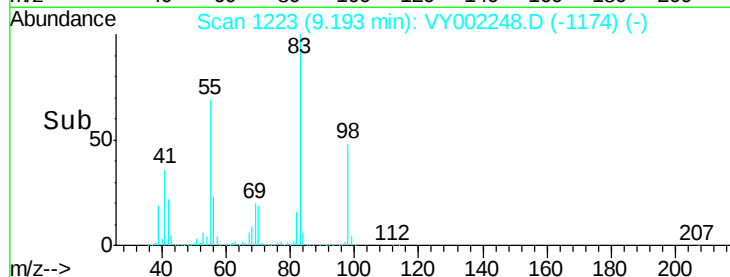
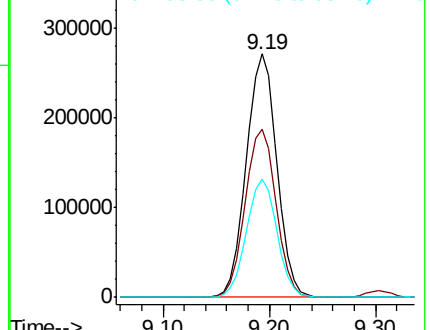
98 48.5 39.6 59.4



Abundance Ion 83.00 (82.70 to 83.70): VY002248.D (-1174) (-)

Ion 55.00 (54.70 to 55.70): VY002248.D (-1174) (-)

Ion 98.00 (97.70 to 98.70): VY002248.D (-1174) (-)



#40

Benzene

Concen: 142.690 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VY002248.D

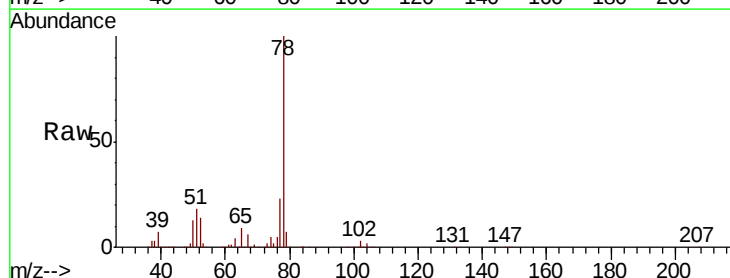
Acq: 08 Apr 2020 13:16

Tgt Ion: 78 Resp: 1227296

Ion Ratio Lower Upper

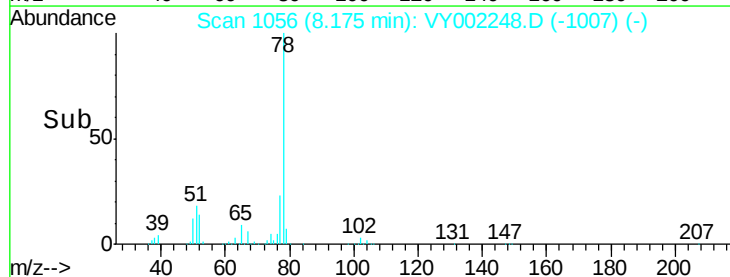
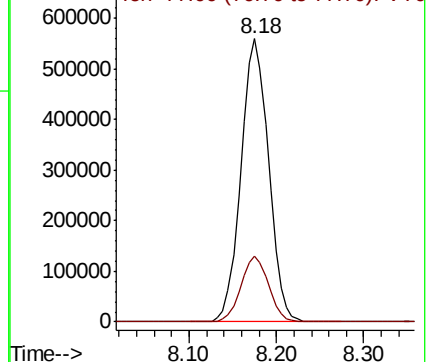
78 100

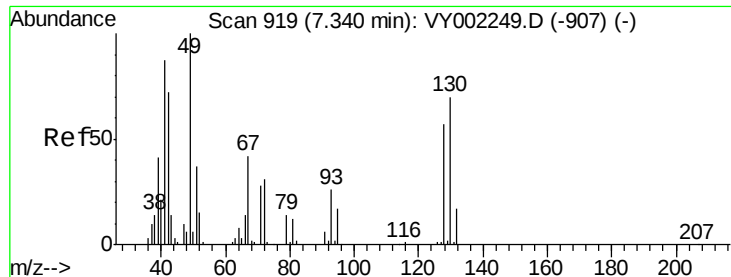
77 23.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VY002248.D (-1007) (-)

Ion 77.00 (76.70 to 77.70): VY002248.D (-1007) (-)

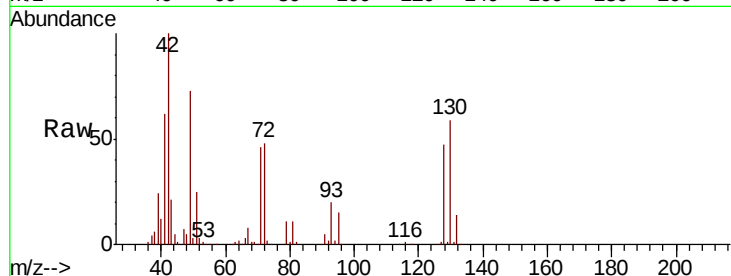




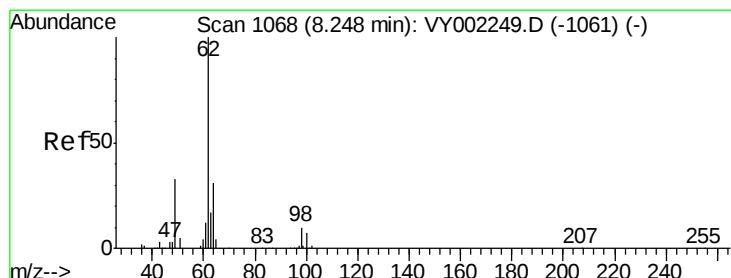
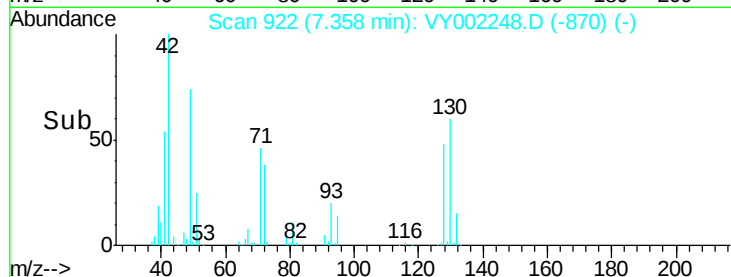
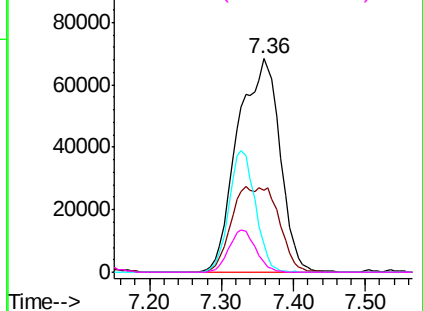
#41
Methacrylonitrile
Concen: 261.414 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.02 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	279689
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

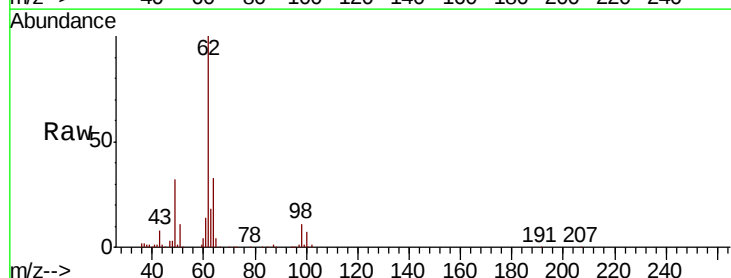


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

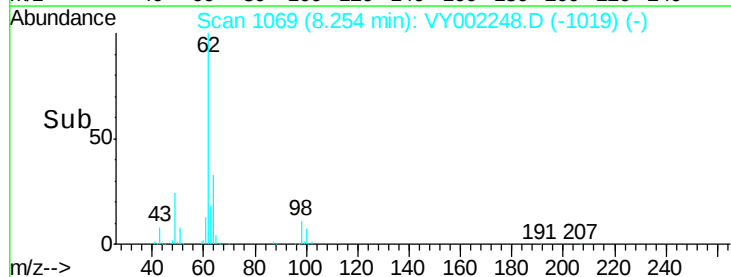
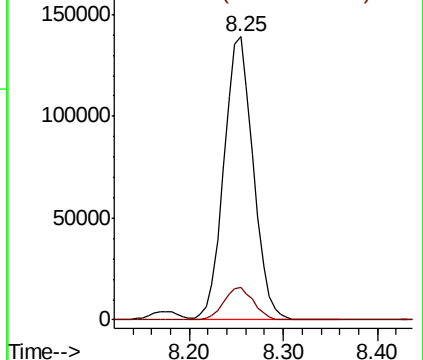


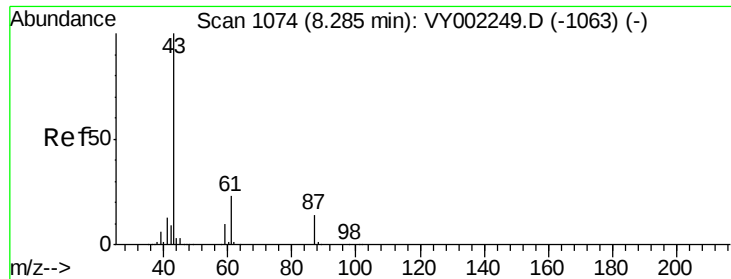
#42
1,2-Dichloroethane
Concen: 140.720 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion:	62	Resp:	299821
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	22.6



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



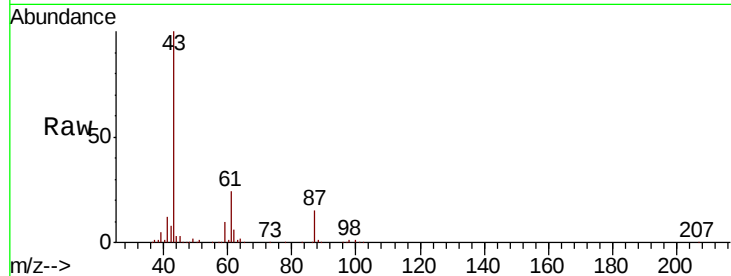


#43

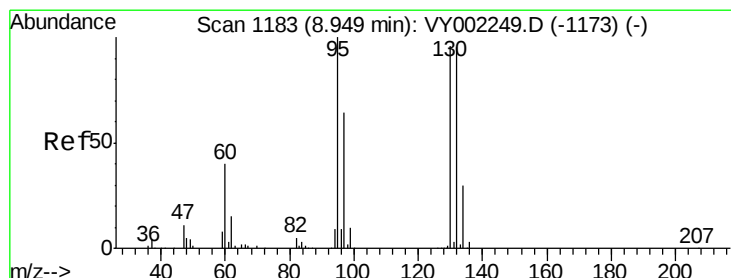
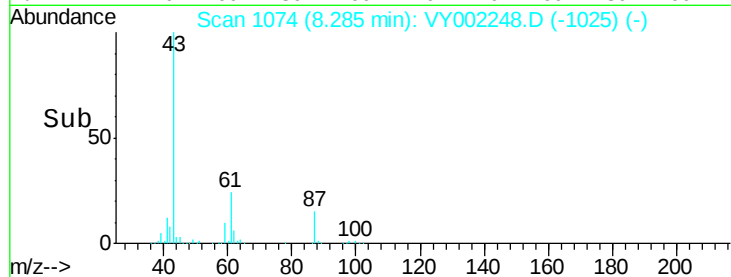
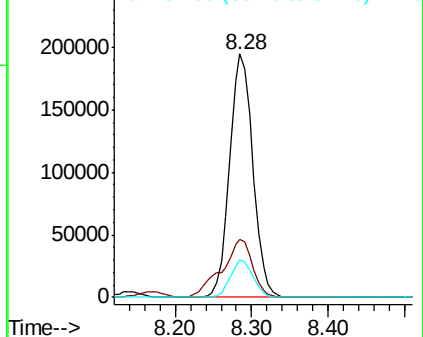
Isopropyl Acetate
 Concen: 138.218 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	43	Resp	408249
Ion Ratio	Lower	Upper	
43	100		
61	31.4	24.9	37.3
87	15.0	11.7	17.5



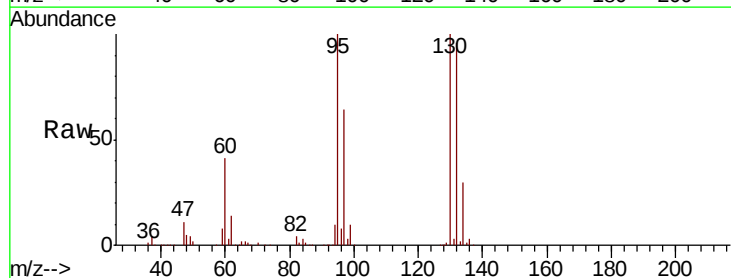
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



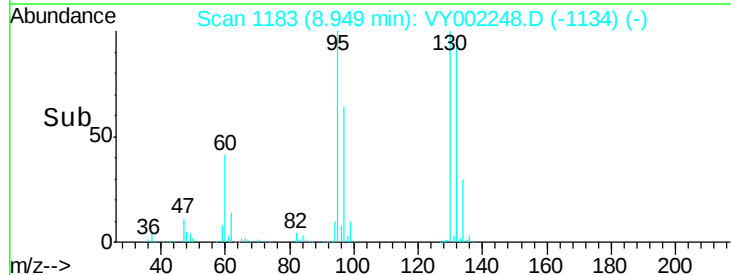
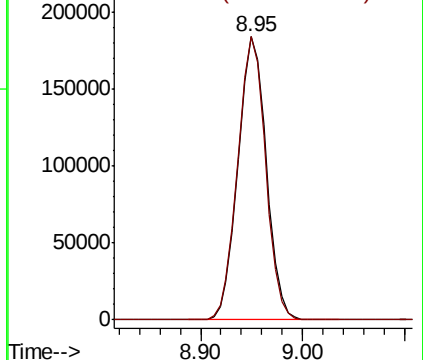
#44

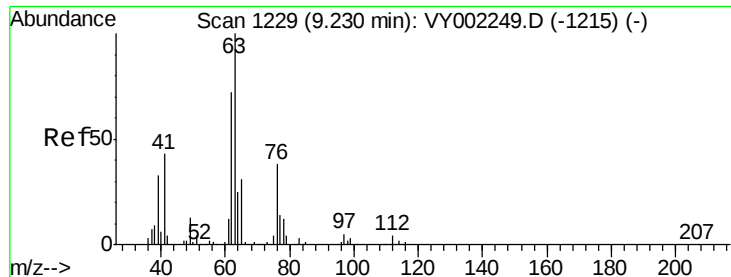
Trichloroethene
 Concen: 140.250 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion	130	Resp	354660
Ion Ratio	Lower	Upper	
130	100		
95	99.9	0.0	208.2



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





#45

1,2-Dichloropropane

Concen: 141.801 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

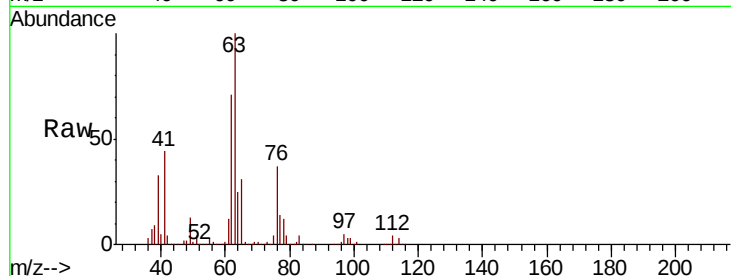
VSTDIC150

Tot Ion: 63 Resp: 302617

Ion Ratio Lower Upper

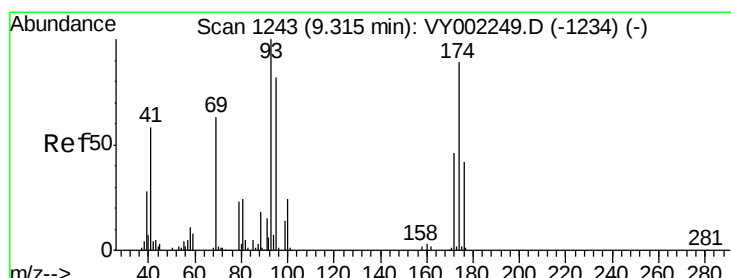
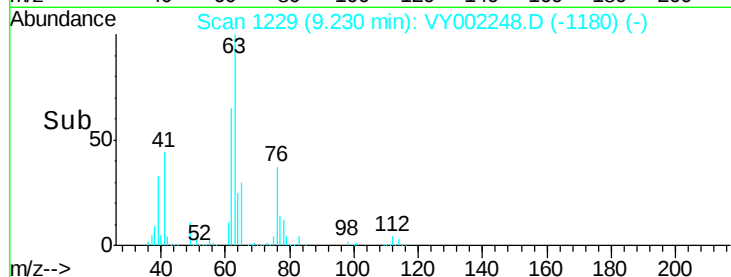
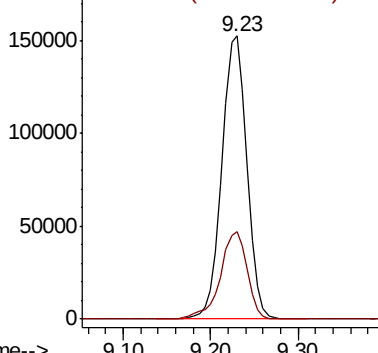
63 100

65 31.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 142.007 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

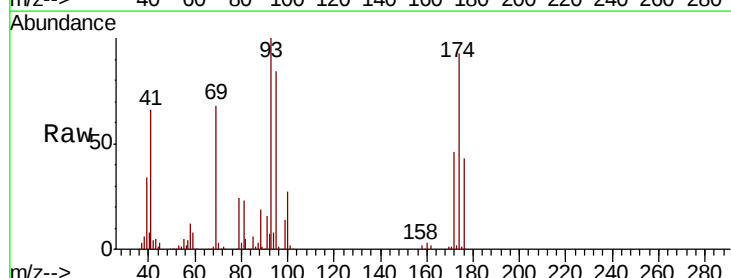
Tgt Ion: 93 Resp: 158455

Ion Ratio Lower Upper

93 100

95 83.1 67.3 100.9

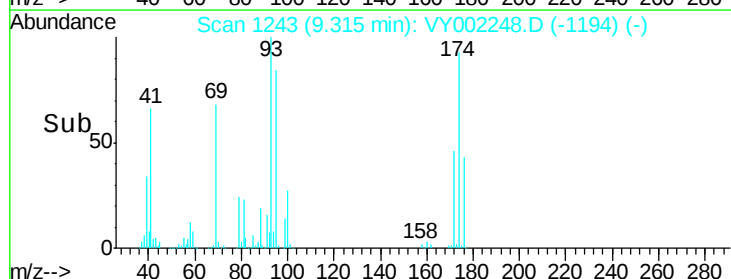
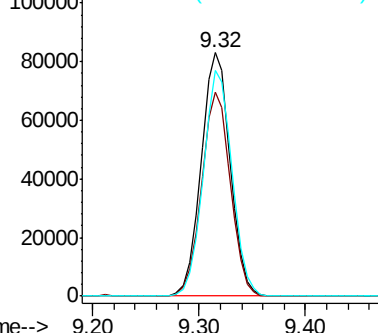
174 92.0 72.5 108.7

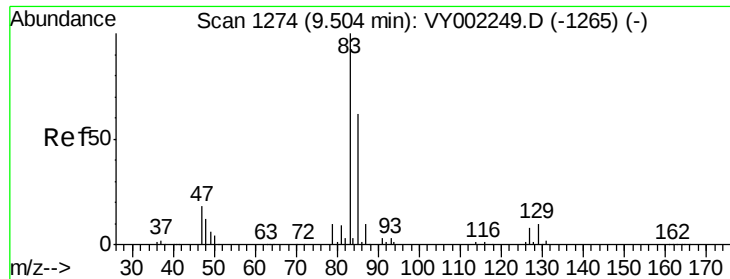


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0

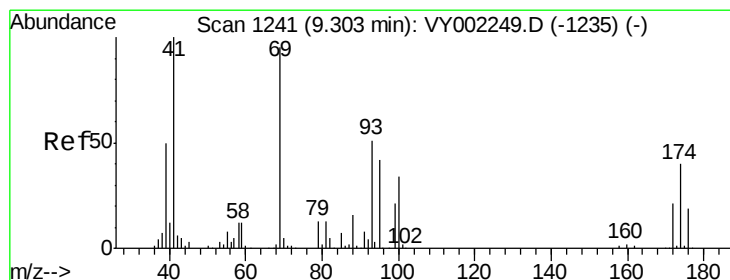
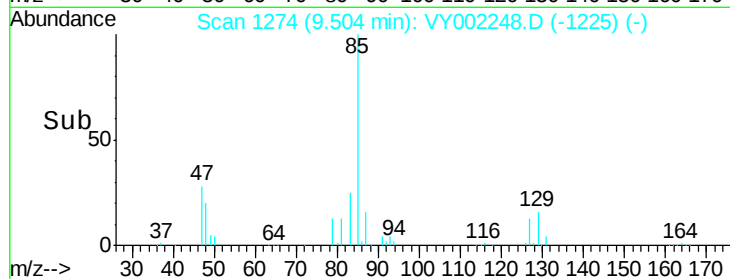
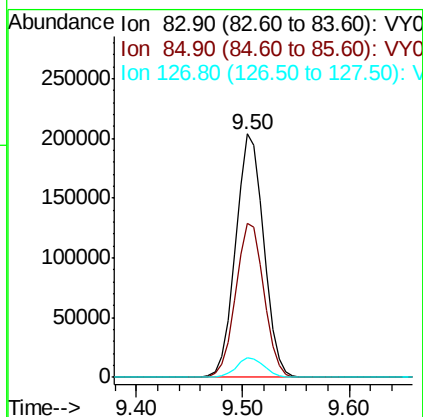
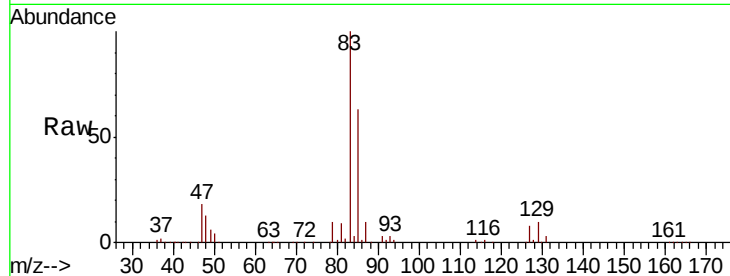




#47
Bromodichloromethane
Concen: 147.461 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

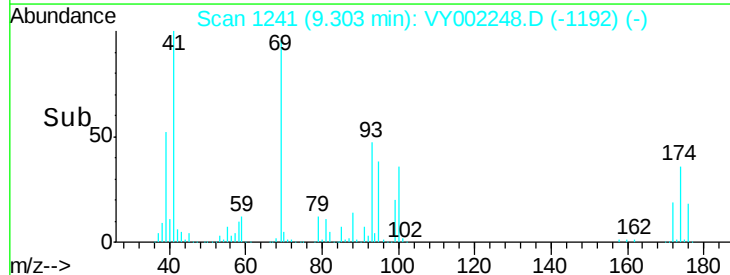
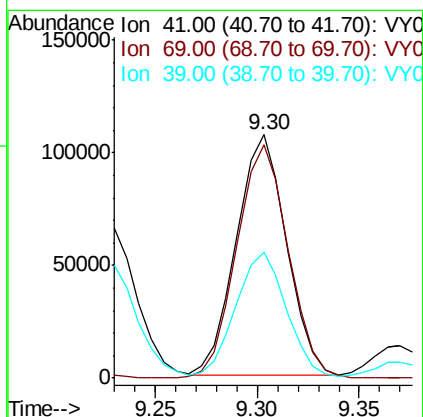
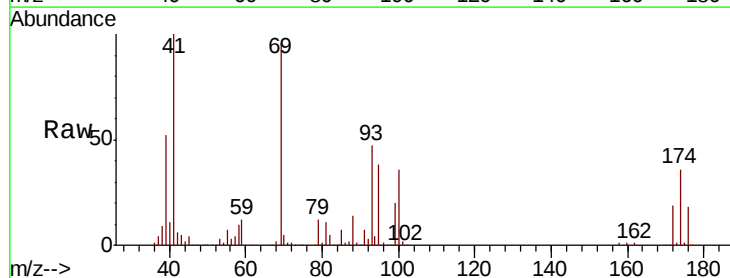
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC150

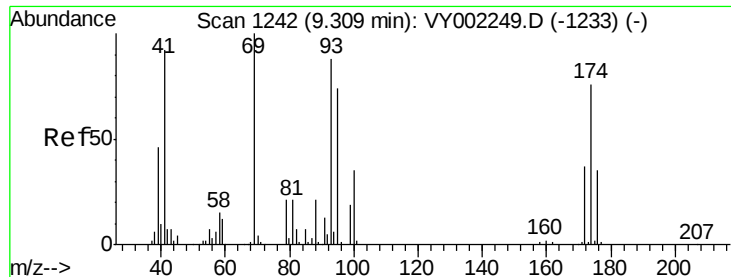
Tot Ion: 83 Resp: 377544
Ion Ratio Lower Upper
83 100
85 63.3 49.7 74.5
127 7.9 6.2 9.4



#48
Methyl methacrylate
Concen: 137.681 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 41 Resp: 182345
Ion Ratio Lower Upper
41 100
69 99.7 76.7 115.1
39 53.6 40.5 60.7

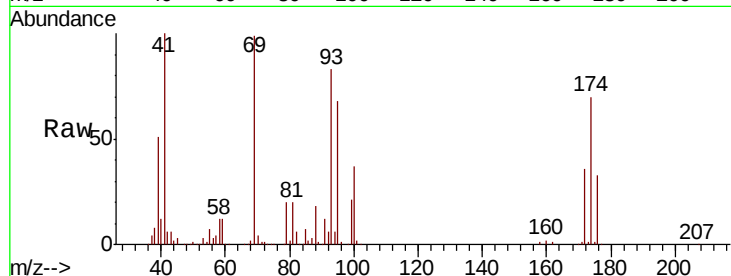




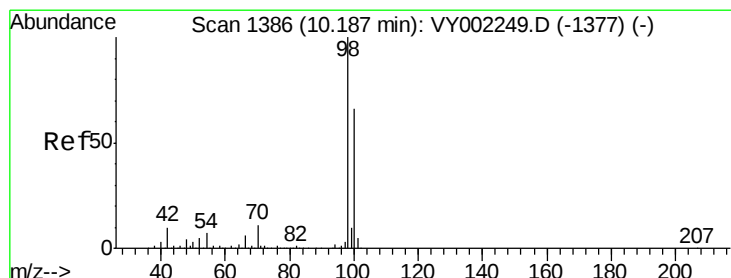
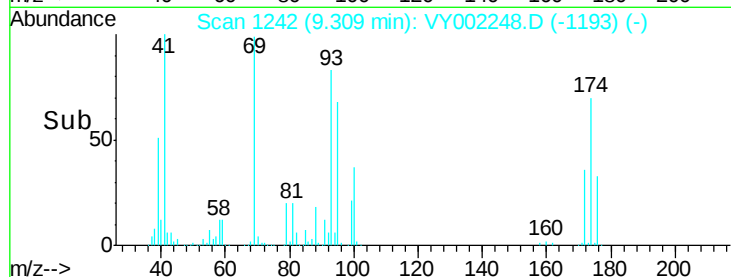
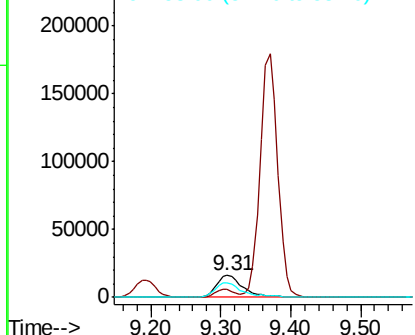
#49
1,4-Dioxane
Concen: 2776.798 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 88 Resp: 43829
Ion Ratio Lower Upper
88 100
43 26.3 22.2 33.2
58 68.4 57.6 86.4

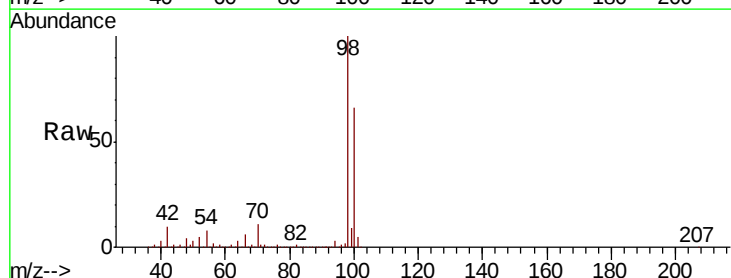


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

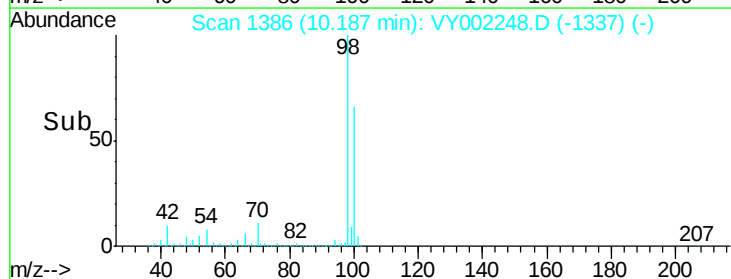
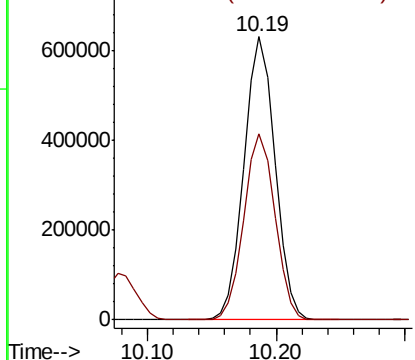


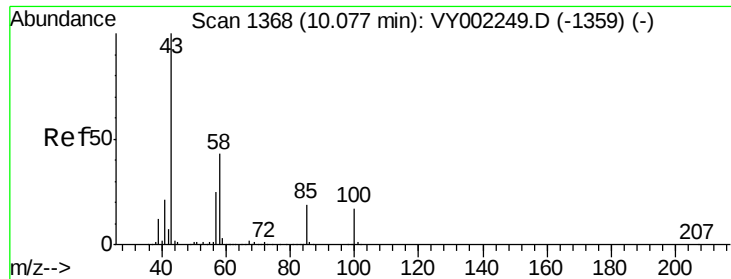
#50
Toluene-d8
Concen: 146.088 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 98 Resp: 1047186
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

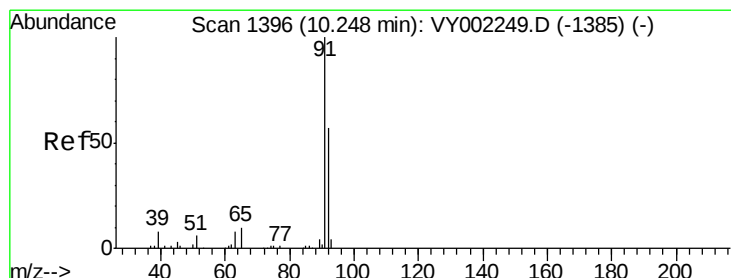
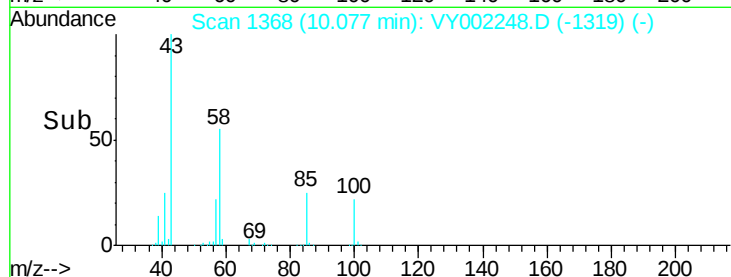
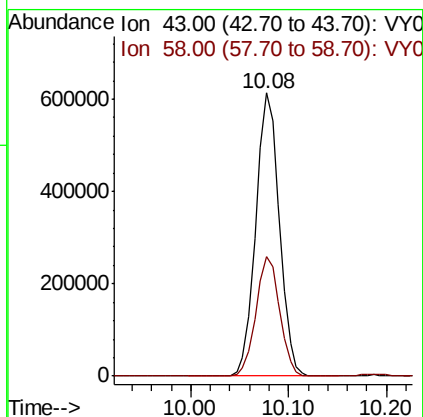
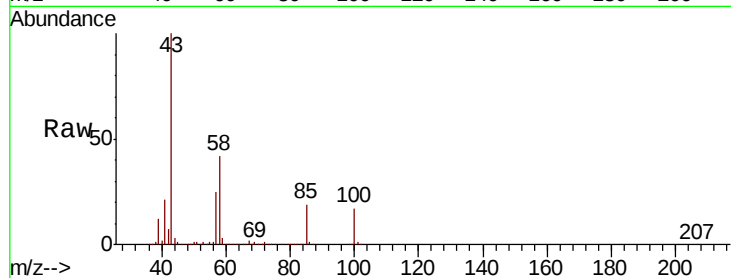




#51
 4-Methyl-2-Pentanone
 Concen: 665.202 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

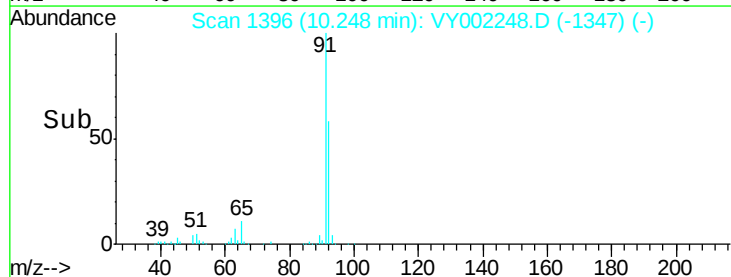
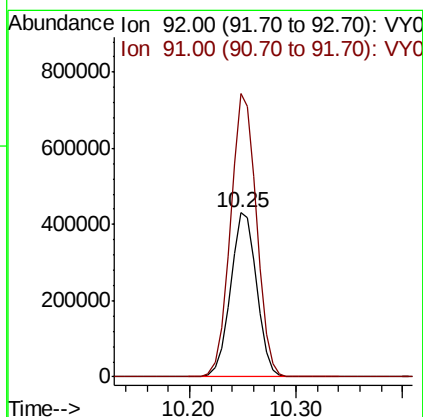
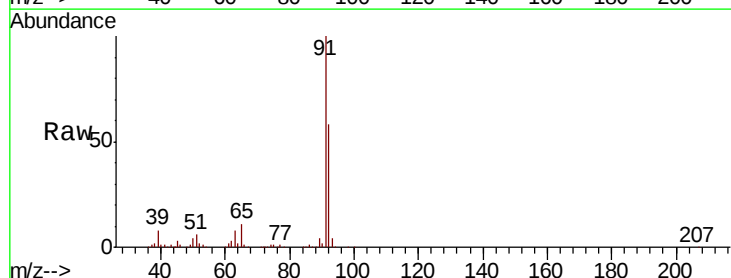
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

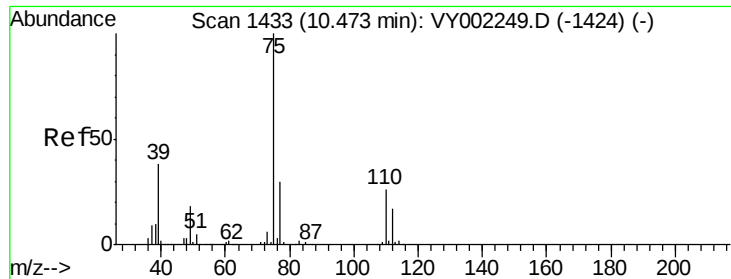
Tot Ion: 43 Resp: 1023814
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.8 50.8



#52
 Toluene
 Concen: 142.961 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion: 92 Resp: 741039
 Ion Ratio Lower Upper
 92 100
 91 171.6 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 146.817 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

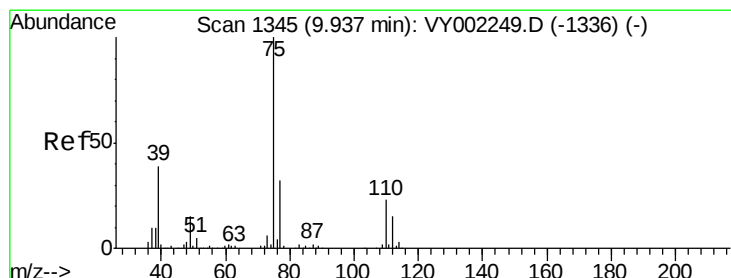
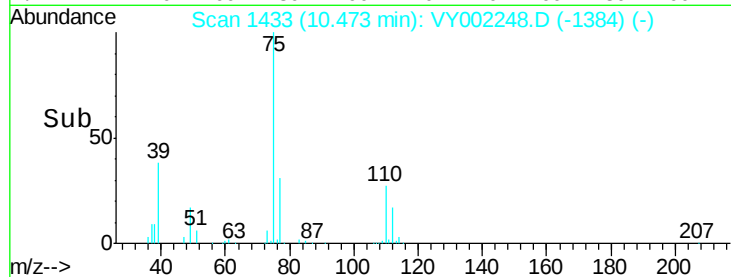
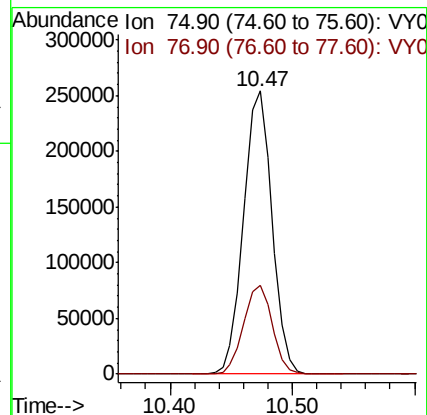
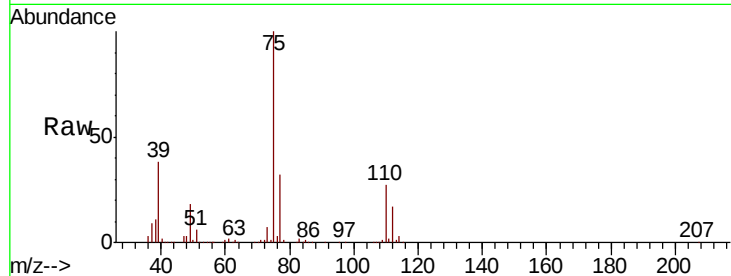
VSTDIC150

Tot Ion: 75 Resp: 409555

Ion Ratio Lower Upper

75 100

77 31.5 24.2 36.2



#54

cis-1,3-Dichloropropene

Concen: 146.043 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

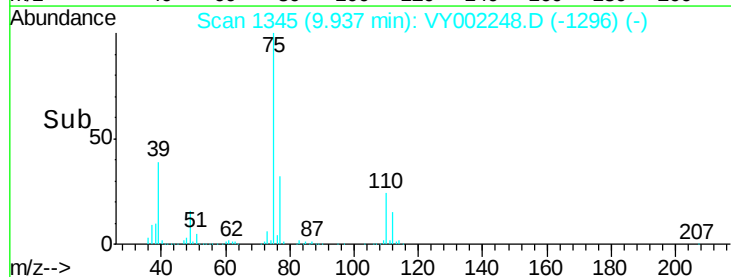
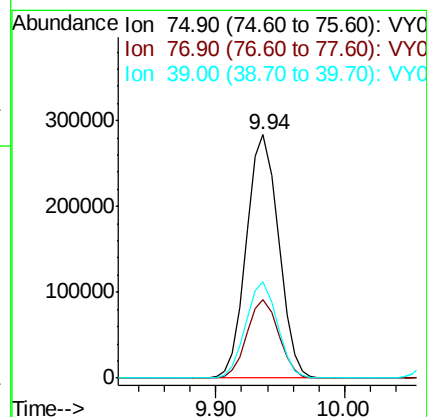
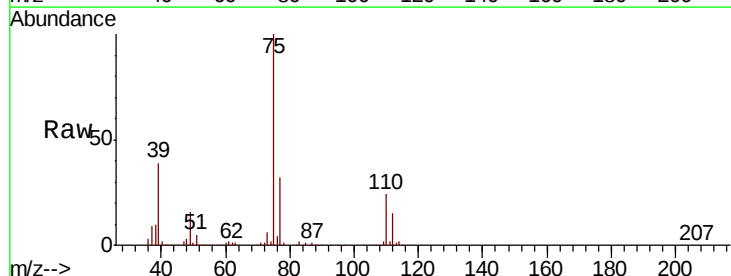
Tgt Ion: 75 Resp: 489787

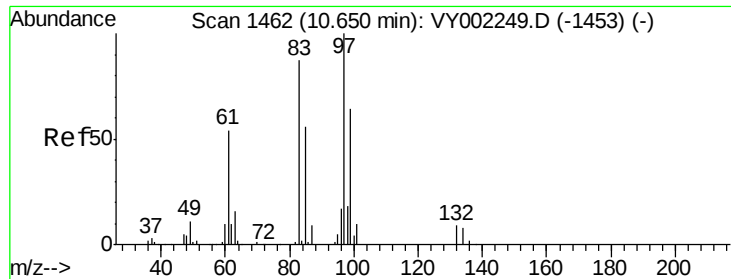
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

39 39.4 30.8 46.2





#55

1,1,2-Trichloroethane

Concen: 142.637 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 233015

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.5	104.3
85	54.6	45.2	67.8
99	63.8	50.9	76.3

Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

10.65

Time-->

10.55 10.60 10.65 10.70

150000

100000

50000

0

200000

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

150000

100000

50000

0

10.55 10.60 10.65 10.70

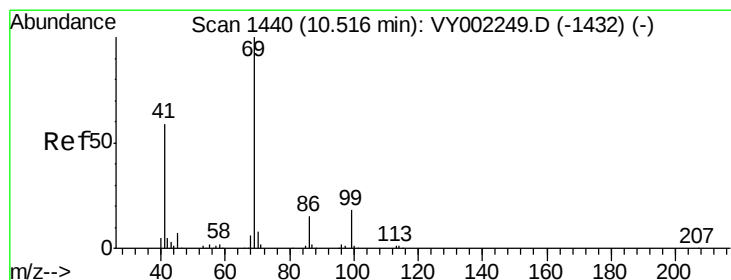
150000

100000

50000

0

10.55 10.60 10.65 10.70



#56

Ethyl methacrylate

Concen: 144.657 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Tgt Ion: 69 Resp: 337281

Ion	Ratio	Lower	Upper
69	100		
41	57.4	47.9	71.9
39	28.9	23.8	35.6

Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

10.52

Time-->

10.50 10.52 10.54 10.56

300000

250000

200000

150000

100000

50000

0

10.50 10.52 10.54 10.56

300000

250000

200000

150000

100000

50000

0

10.50 10.52 10.54 10.56

300000

250000

200000

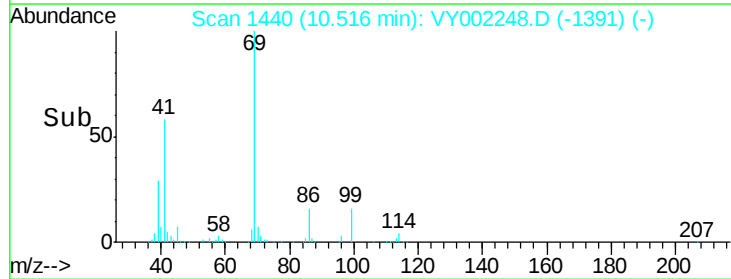
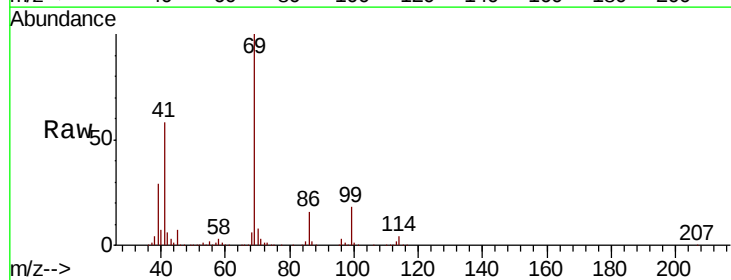
150000

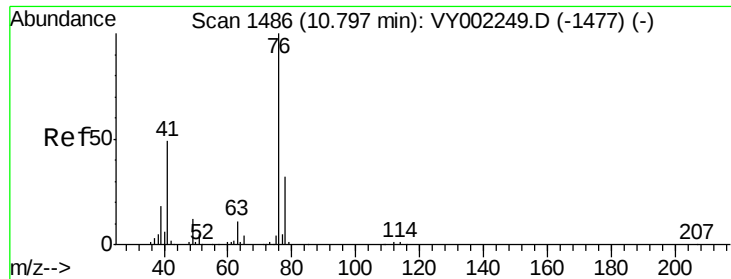
100000

50000

0

10.50 10.52 10.54 10.56





#57

1,3-Dichloropropane

Concen: 141.181 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampled :

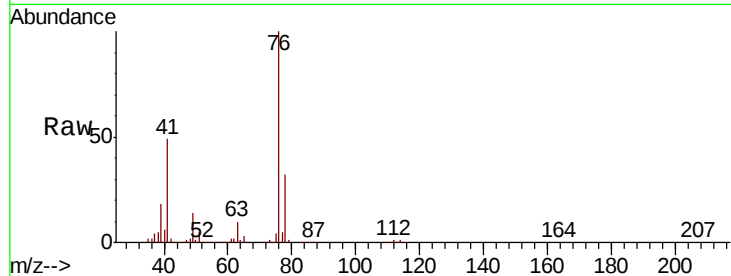
VSTDIC150

Tot Ion: 76 Resp: 405387

Ion Ratio Lower Upper

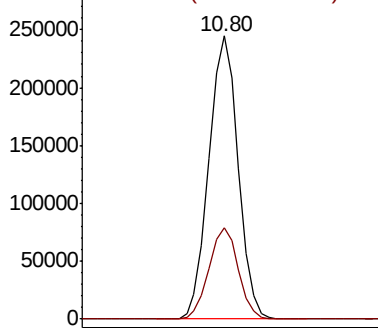
76 100

78 32.5 25.8 38.6

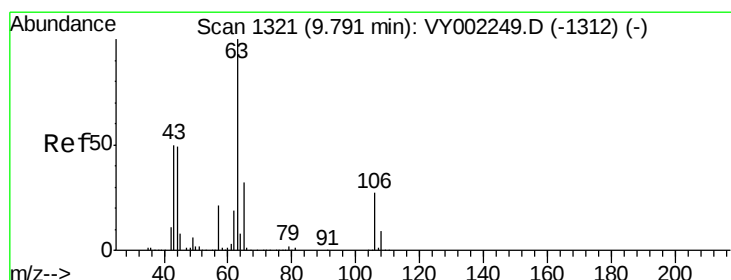
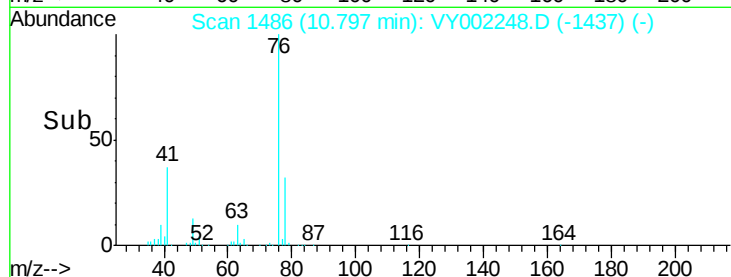


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 691.354 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY002248.D

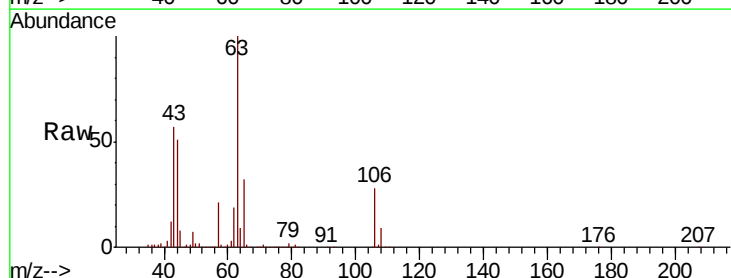
Acq: 08 Apr 2020 13:16

Tgt Ion: 63 Resp: 834743

Ion Ratio Lower Upper

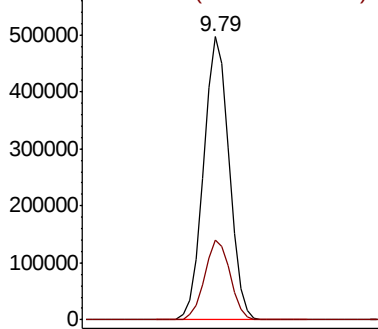
63 100

106 28.3 22.2 33.2

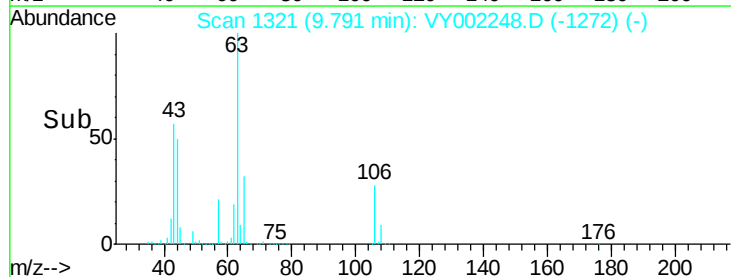


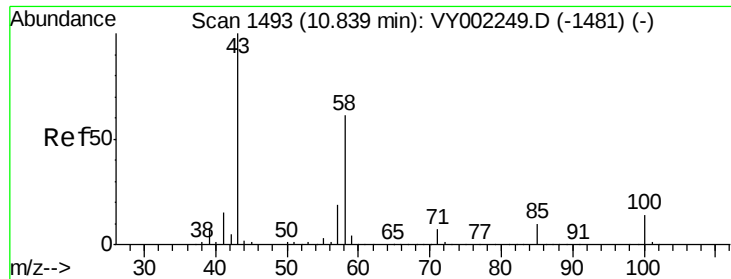
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time-->

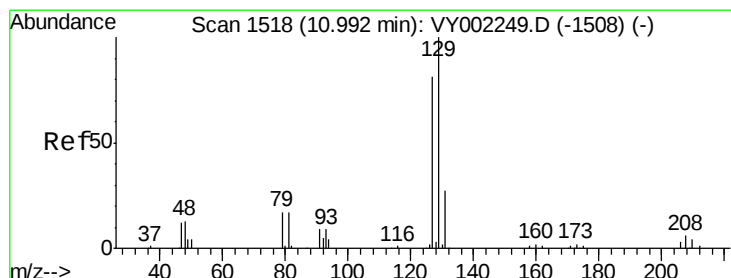
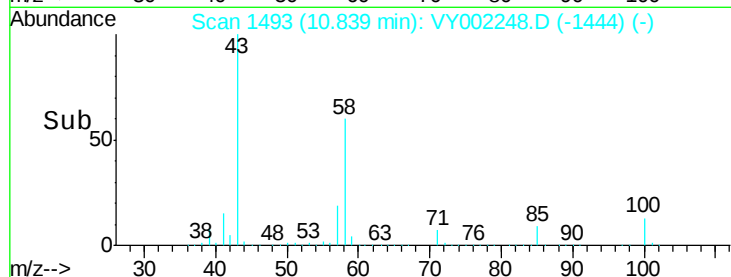
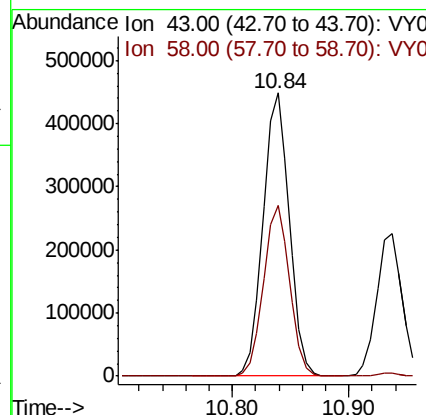
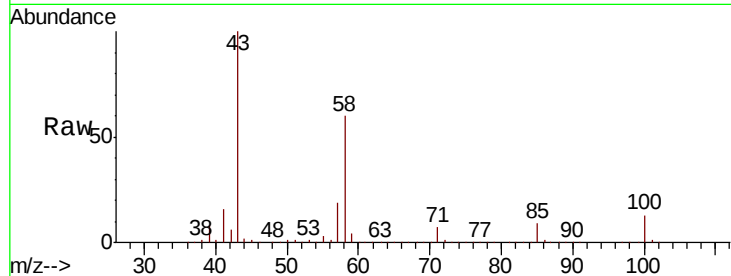




#59
2-Hexanone
Concen: 661.123 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

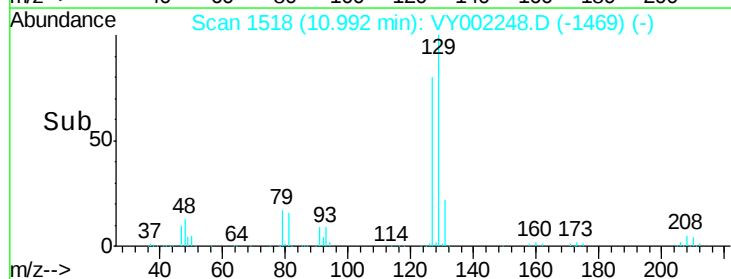
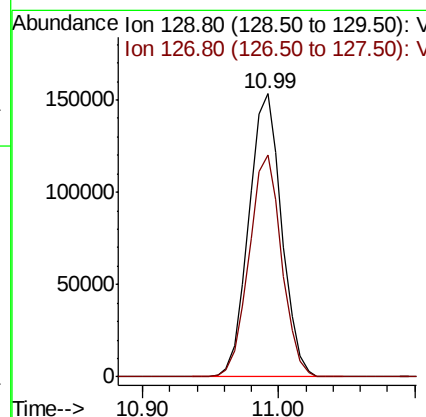
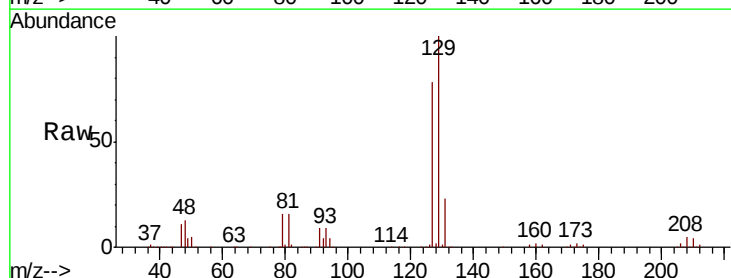
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

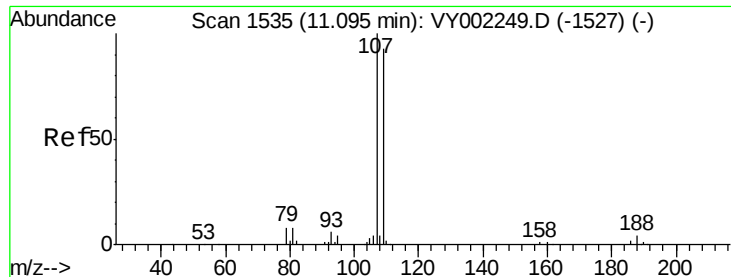
Tot Ion: 43 Resp: 706198
Ion Ratio Lower Upper
43 100
58 59.9 29.8 89.3



#60
Dibromochloromethane
Concen: 148.807 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 129 Resp: 259213
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0

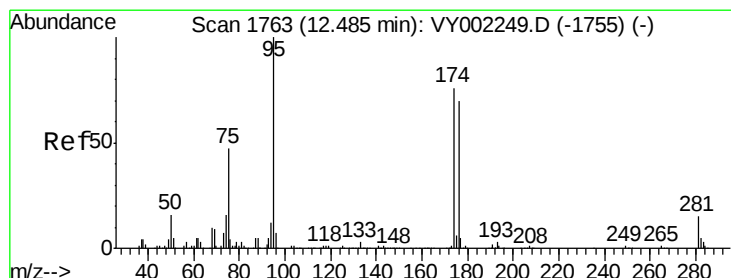
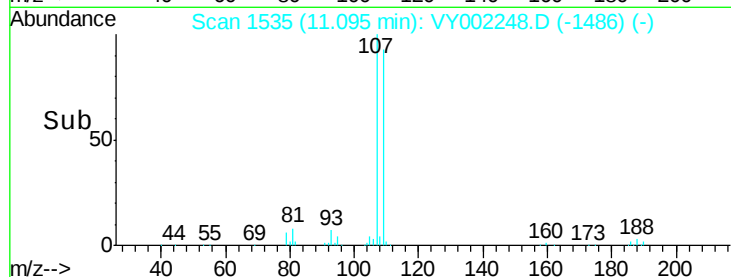
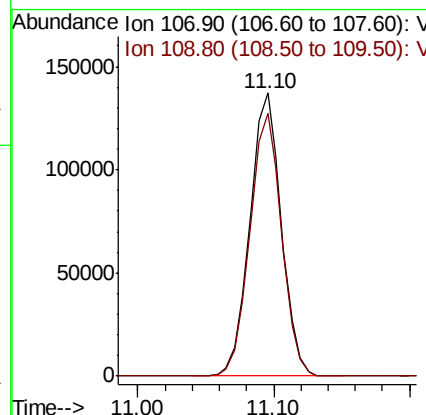
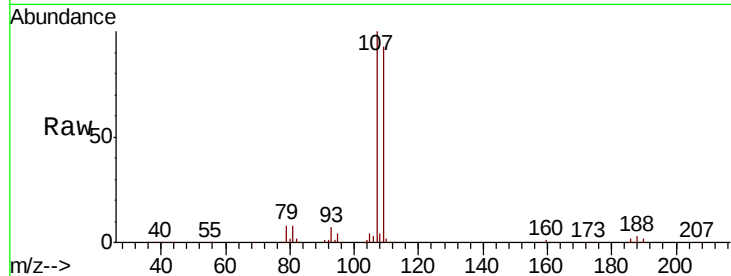




#61
 1,2-Dibromoethane
 Concen: 142.564 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

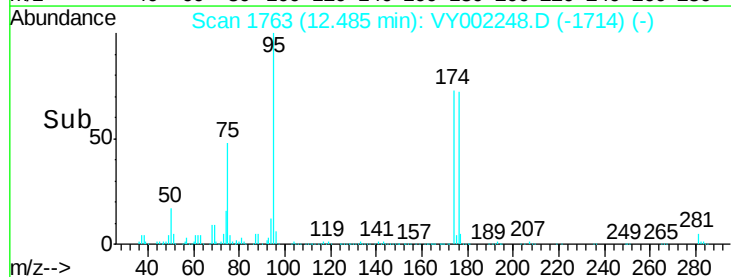
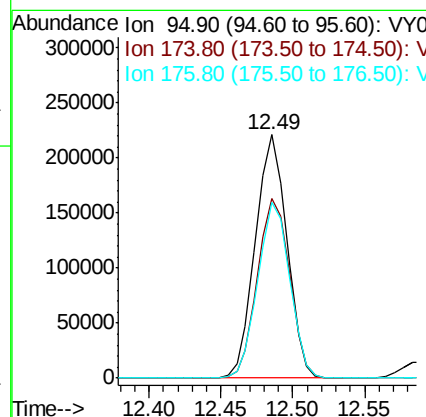
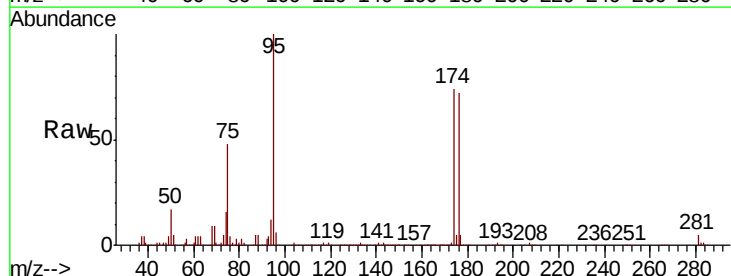
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

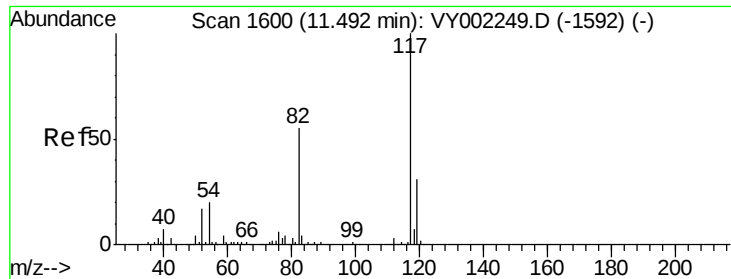
Tot Ion:107 Resp: 221719
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 141.652 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion: 95 Resp: 334990
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.6
 176 73.0 0.0 141.4

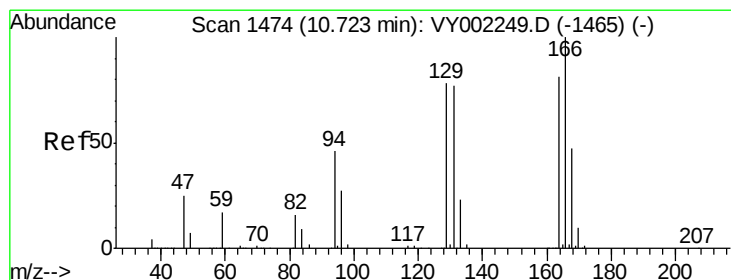
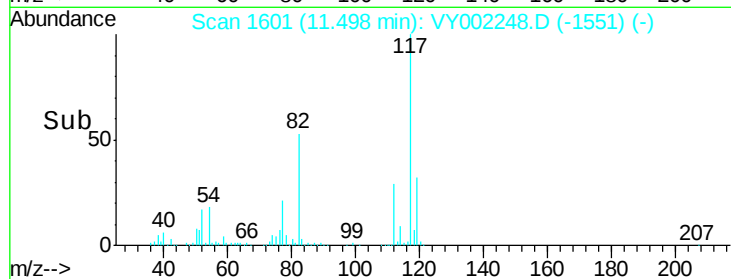
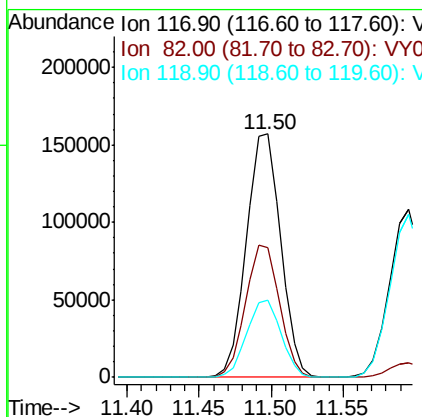
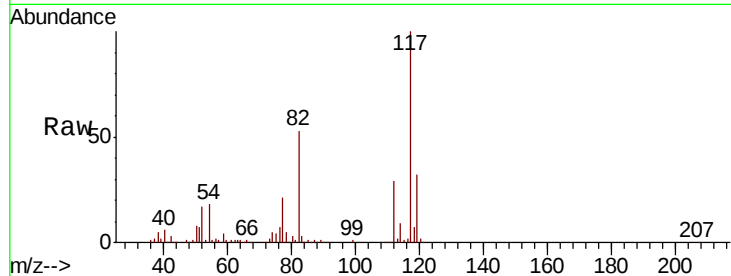




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

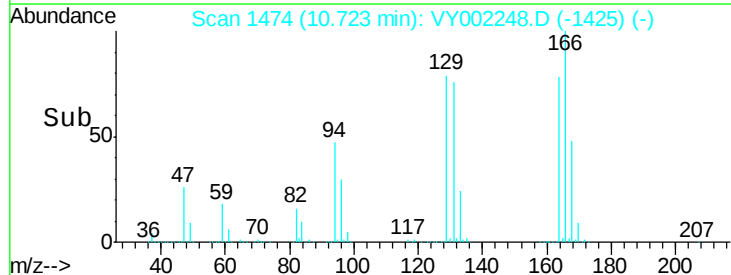
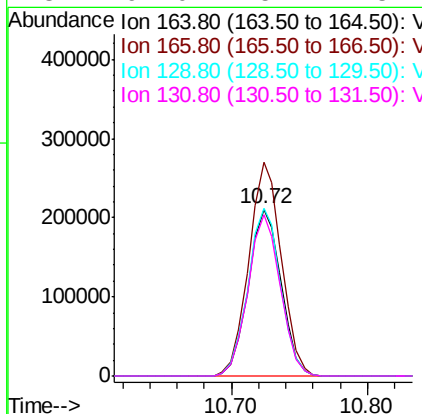
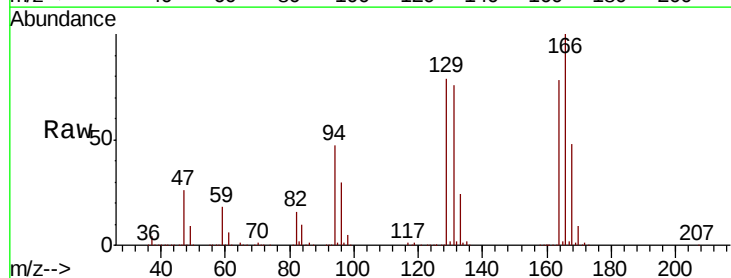
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

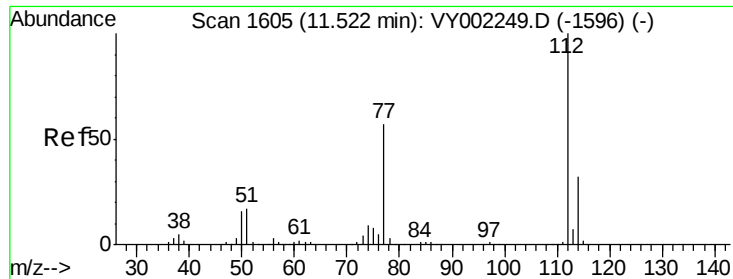
Tot Ion:117 Resp: 259023
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.4
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 135.731 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion:164 Resp: 355451
Ion Ratio Lower Upper
164 100
166 128.3 98.4 147.6
129 100.8 76.6 115.0
131 97.0 75.4 113.2

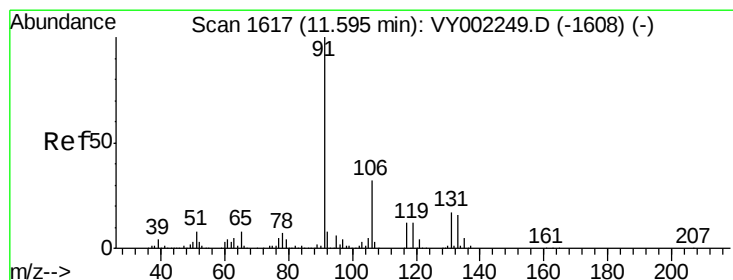
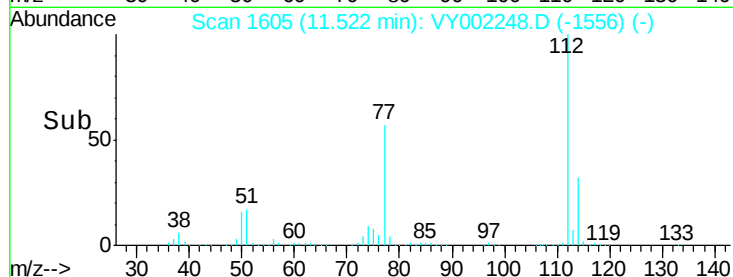
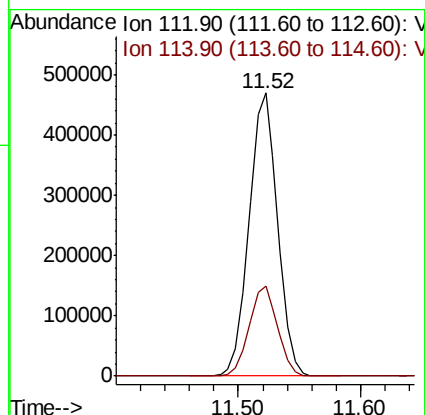
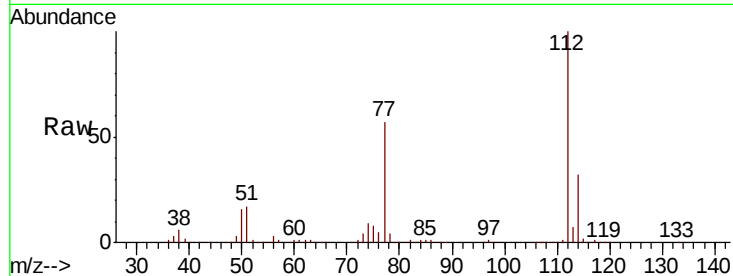




#65
Chlorobenzene
Concen: 140.981 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

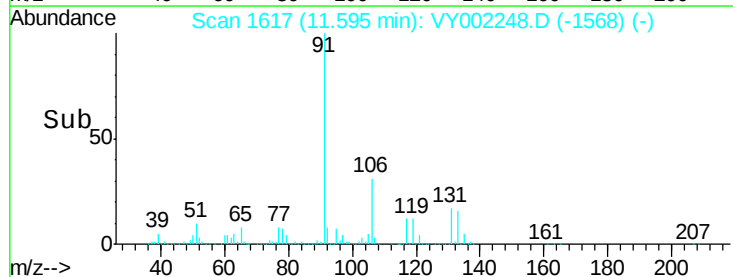
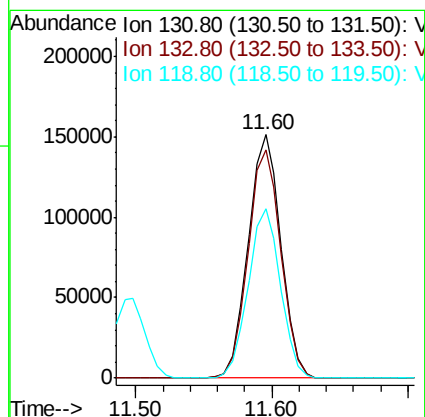
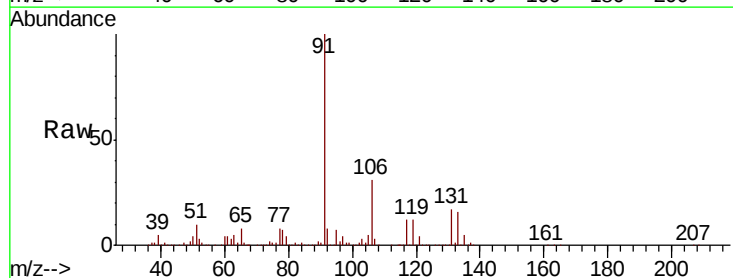
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

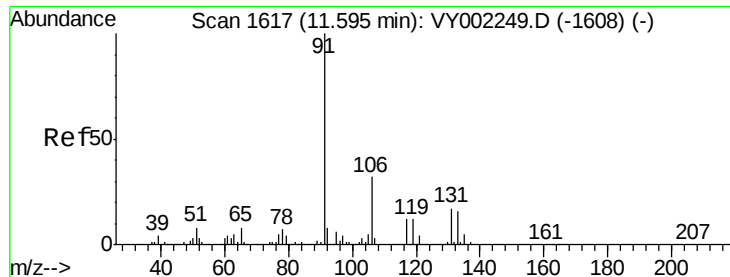
Tot Ion:112 Resp: 759088
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 142.756 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion:131 Resp: 253777
Ion Ratio Lower Upper
131 100
133 94.4 46.5 139.3
119 68.9 34.5 103.6

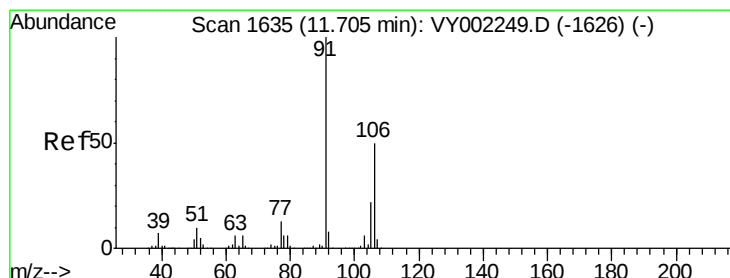
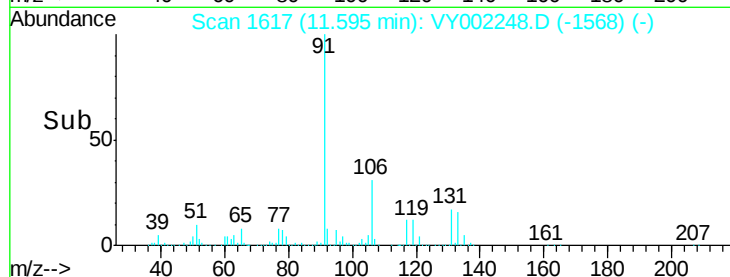
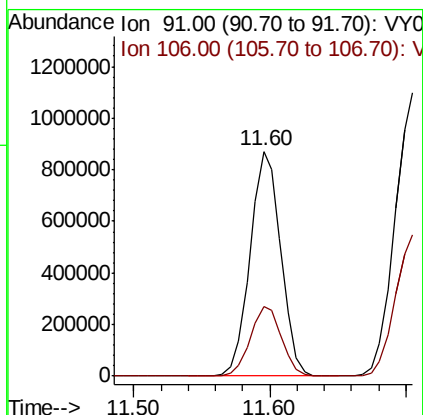
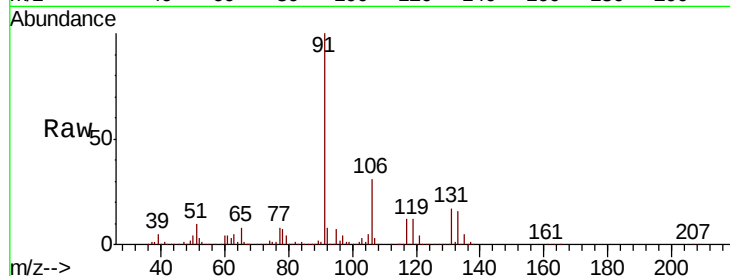




#67
Ethyl Benzene
Concen: 139.727 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

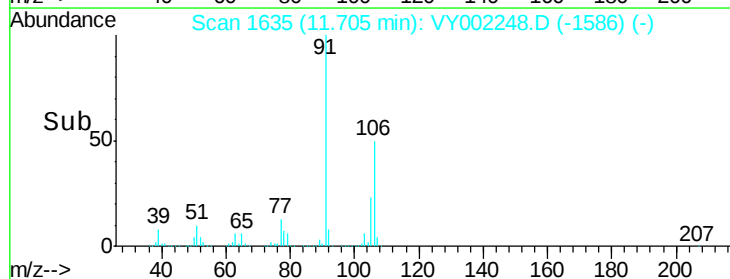
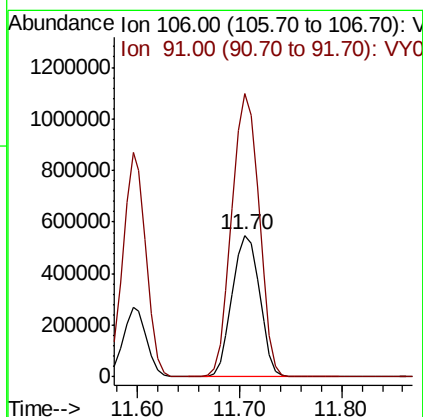
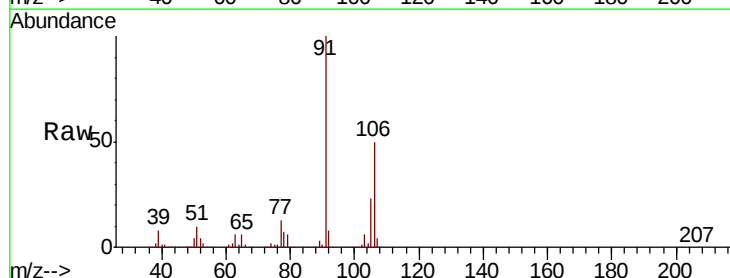
Instrument :
MSVOA_Y
ClientSampleID :
VSTDIC150

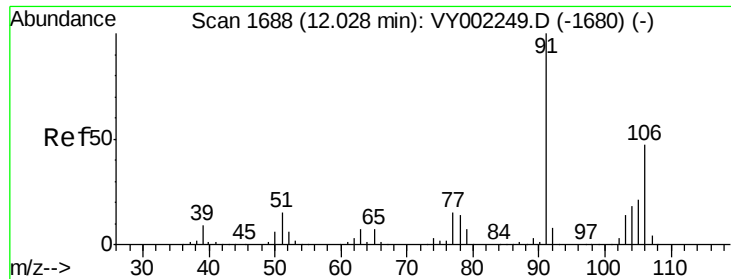
Tot Ion: 91 Resp: 1377285
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



#68
m/p-Xylenes
Concen: 277.701 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion: 106 Resp: 1025240
Ion Ratio Lower Upper
106 100
91 198.5 159.8 239.6

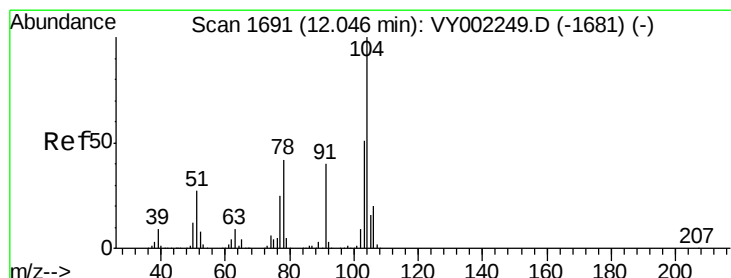
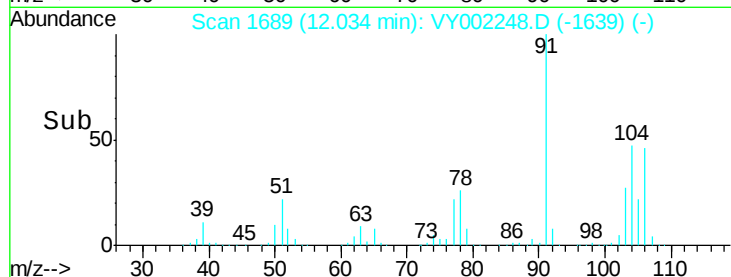
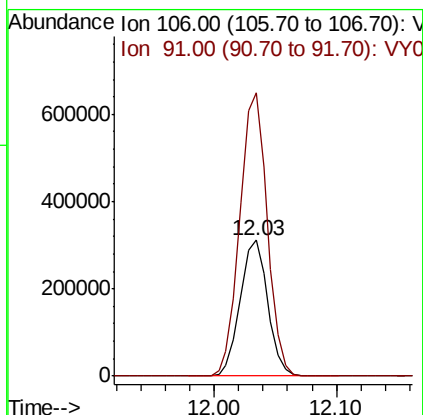
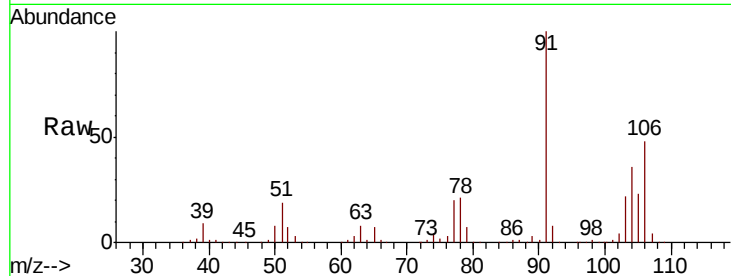




#69
o-Xylene
Concen: 139.879 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

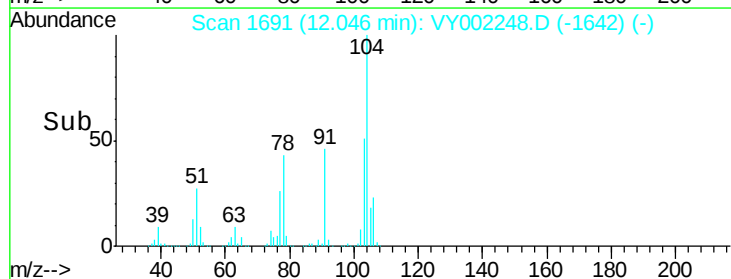
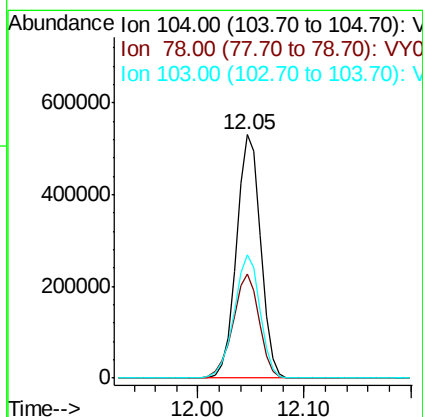
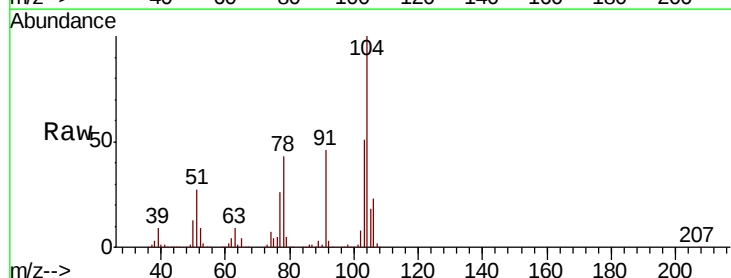
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

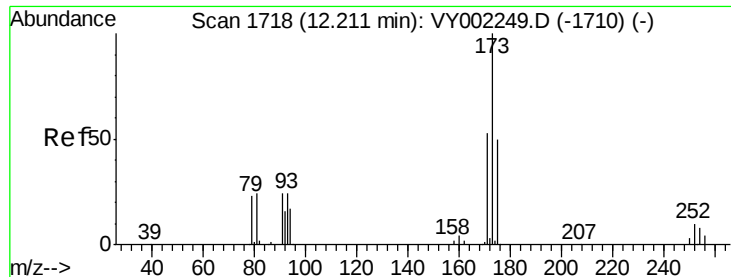
Tot Ion:106 Resp: 484831
Ion Ratio Lower Upper
106 100
91 208.1 105.8 317.3



#70
Styrene
Concen: 140.166 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY002248.D
Acq: 08 Apr 2020 13:16

Tgt Ion:104 Resp: 842882
Ion Ratio Lower Upper
104 100
78 46.1 37.2 55.8
103 54.1 43.4 65.0





#71

Bromoform

Concen: 147.906 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

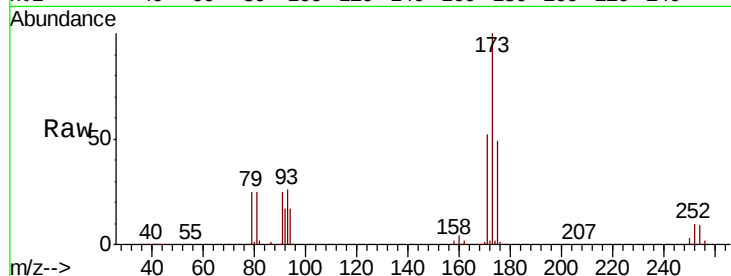
Tot Ion:173 Resp: 142985

Ion Ratio Lower Upper

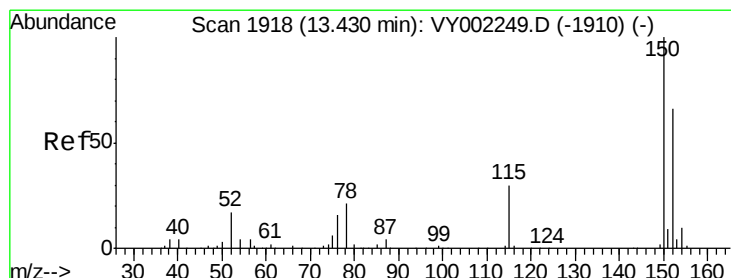
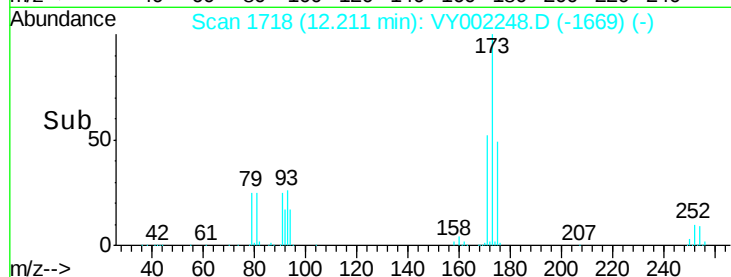
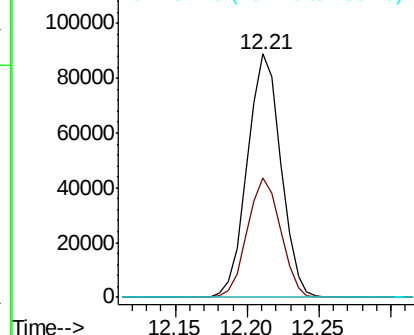
173 100

175 48.6 24.1 72.3

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

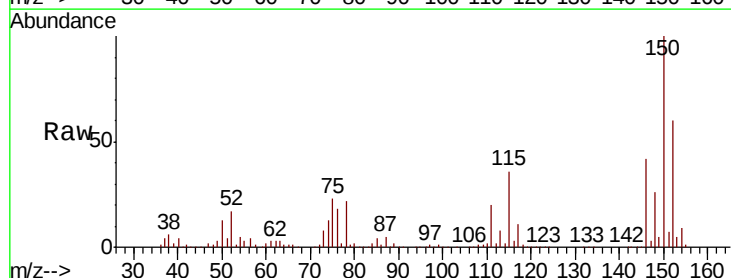
Tgt Ion:152 Resp: 110494

Ion Ratio Lower Upper

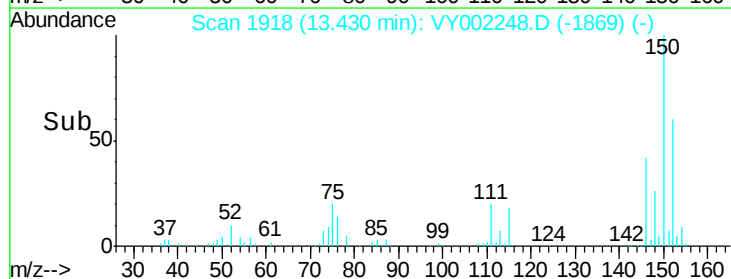
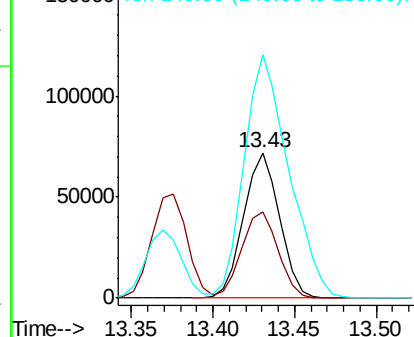
152 100

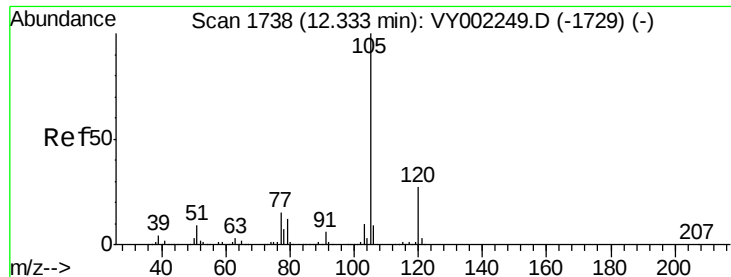
115 60.5 30.7 92.1

150 206.7 0.0 350.6



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





#73

Isopropylbenzene

Concen: 145.690 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

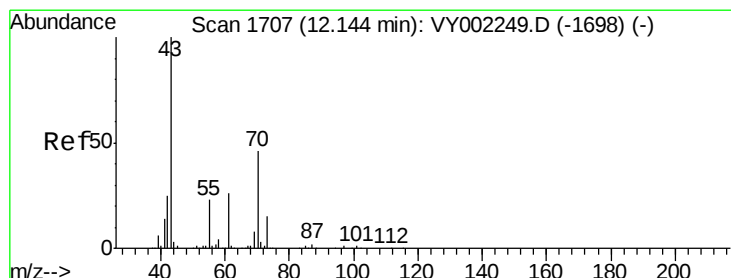
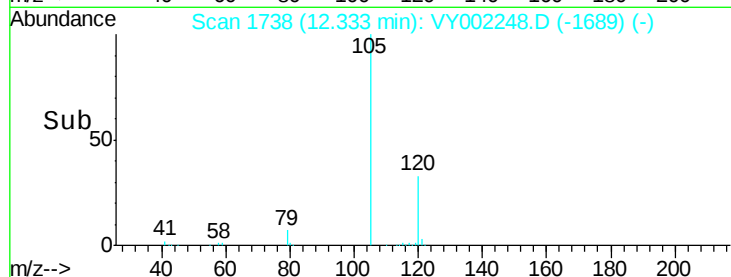
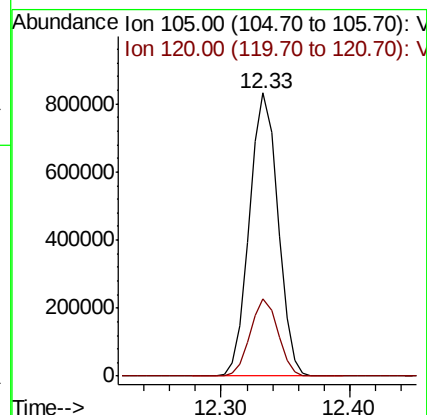
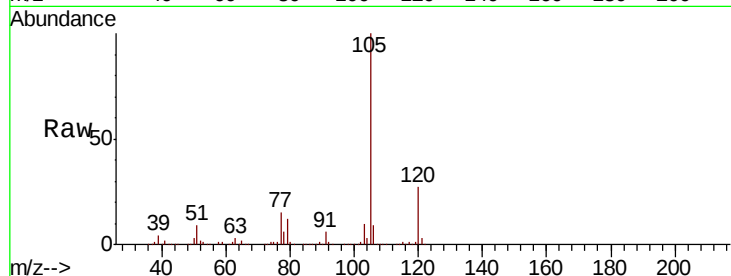
VSTDIC150

Tot Ion:105 Resp: 1264666

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 139.921 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Tgt Ion: 43 Resp: 344776

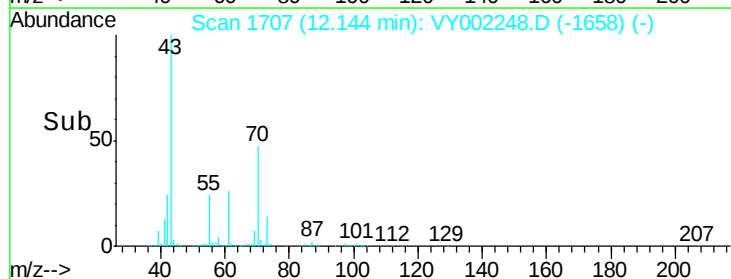
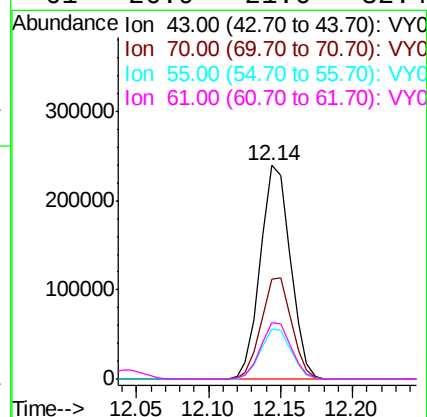
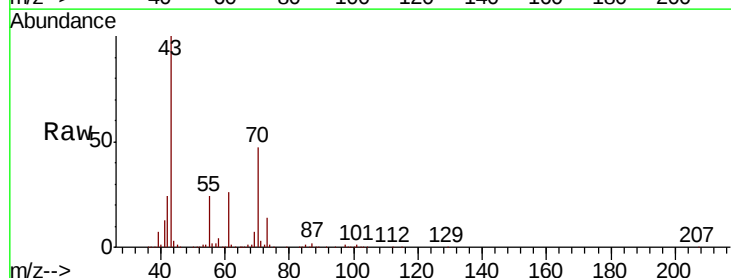
Ion Ratio Lower Upper

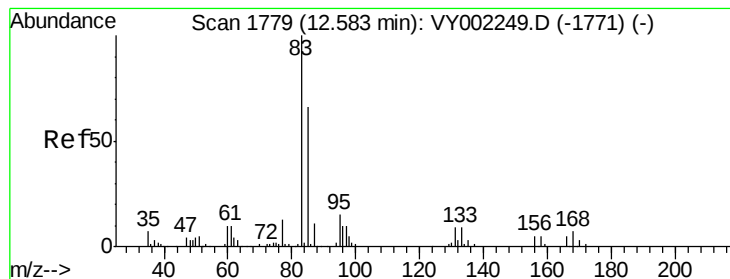
43 100

70 47.7 37.5 56.3

55 24.0 19.0 28.6

61 26.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 154.164 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

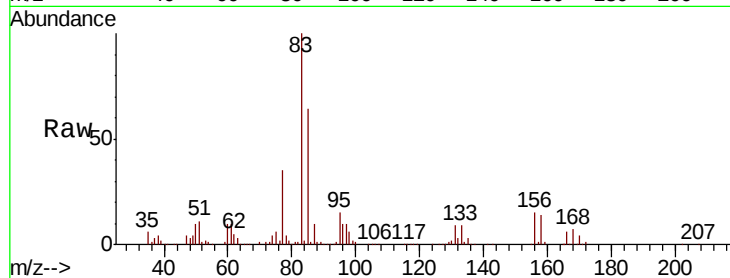
Tot Ion: 83 Resp: 161908

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

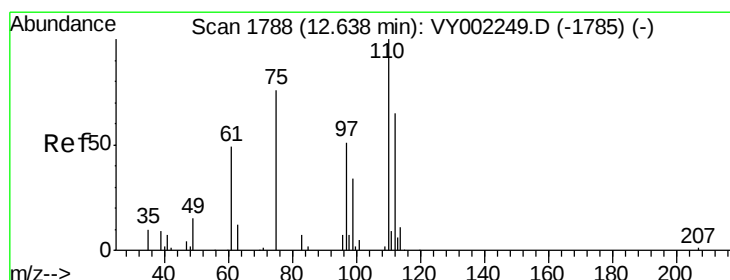
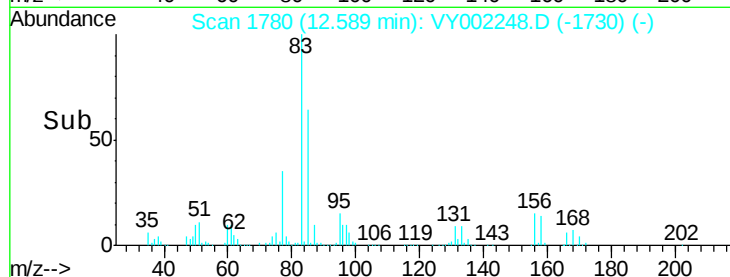
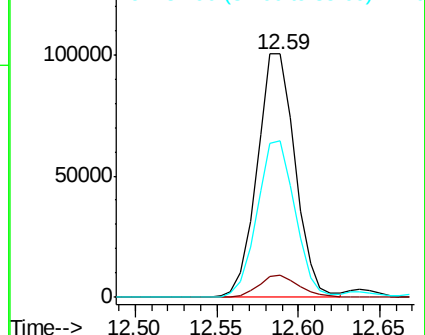
85 64.0 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 151.147 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY002248.D

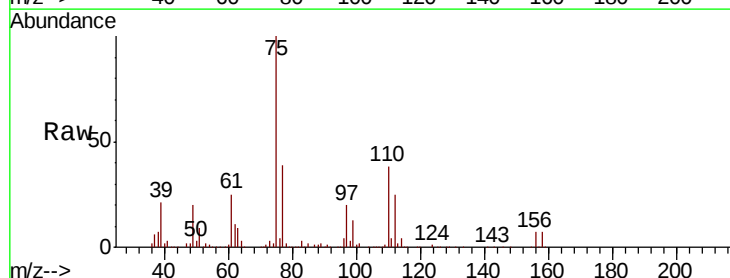
Acq: 08 Apr 2020 13:16

Tgt Ion: 75 Resp: 334591

Ion Ratio Lower Upper

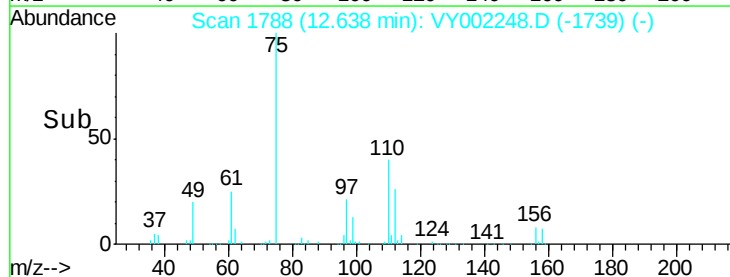
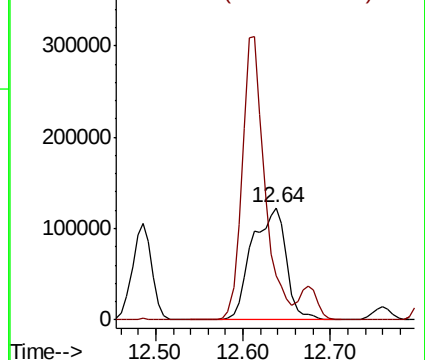
75 100

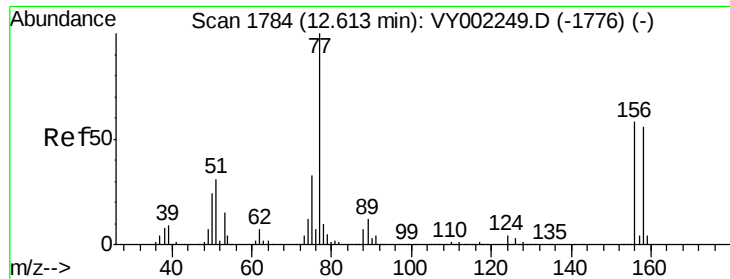
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 145.797 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

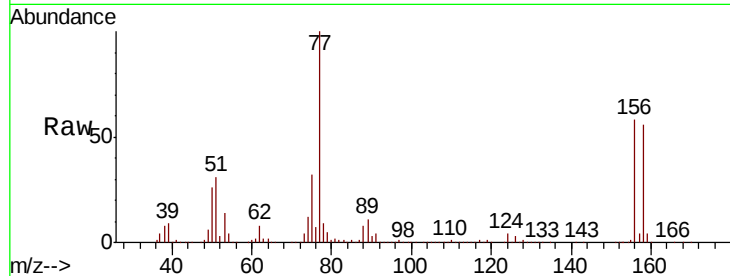
Tot Ion:156 Resp: 278442

Ion Ratio Lower Upper

156 100

77 201.2 101.3 303.9

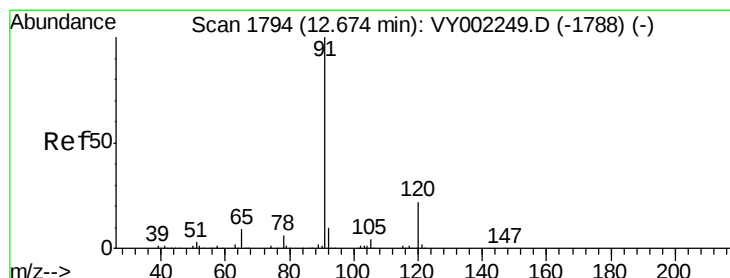
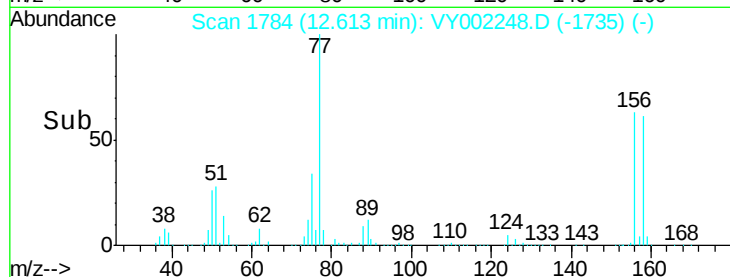
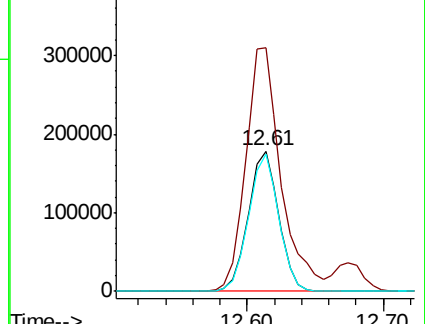
158 97.0 48.3 144.8



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: 143.296 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY002248.D

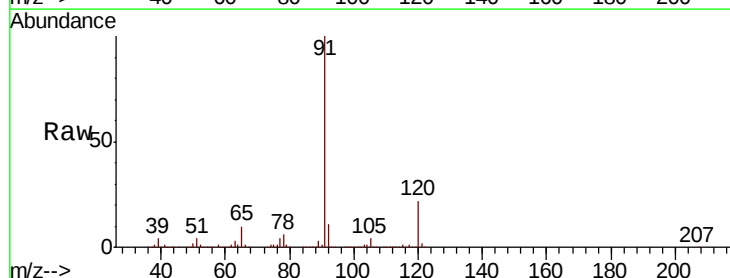
Acq: 08 Apr 2020 13:16

Tgt Ion: 91 Resp: 1547028

Ion Ratio Lower Upper

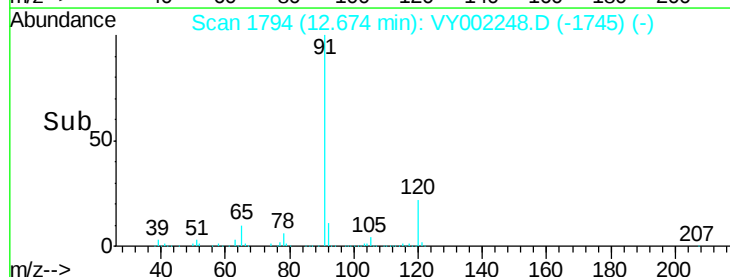
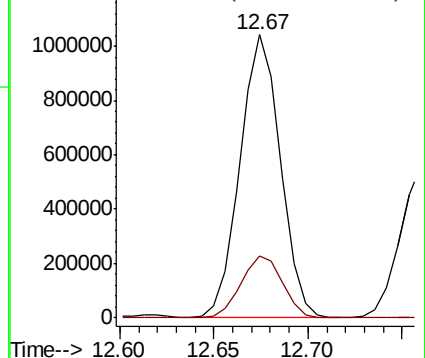
91 100

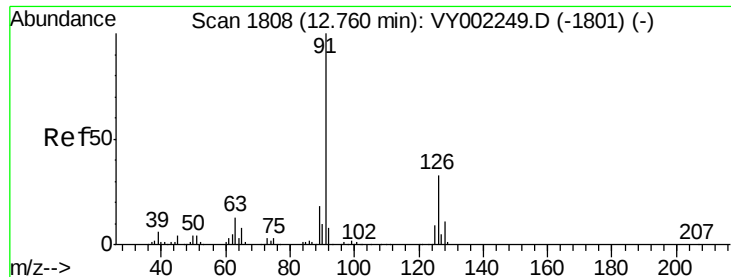
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 144.813 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

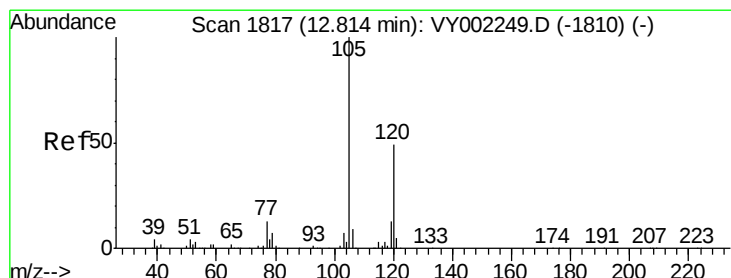
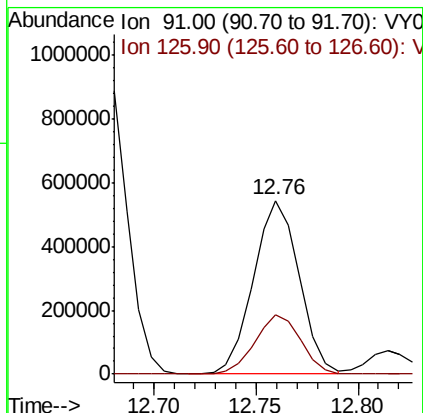
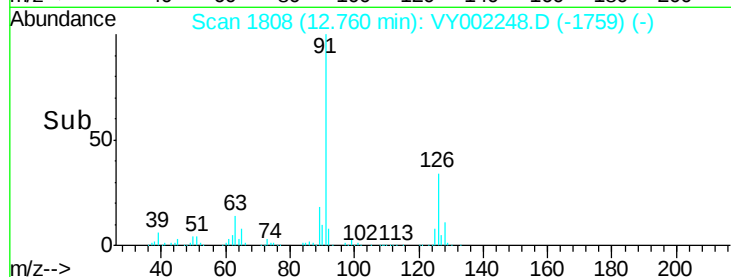
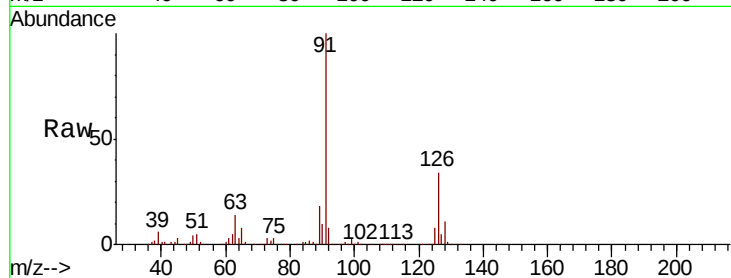
VSTDIC150

Tot Ion: 91 Resp: 849628

Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 143.891 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002248.D

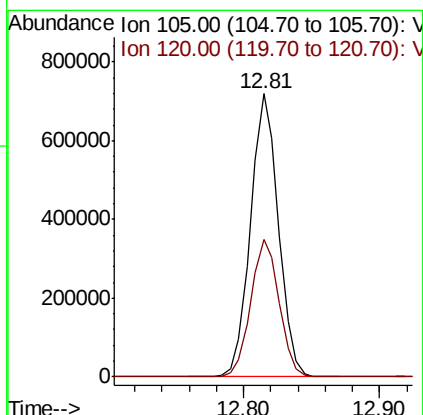
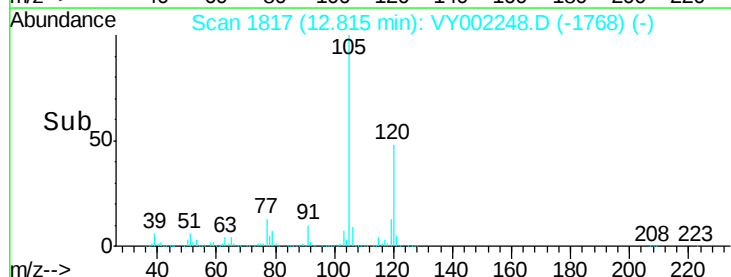
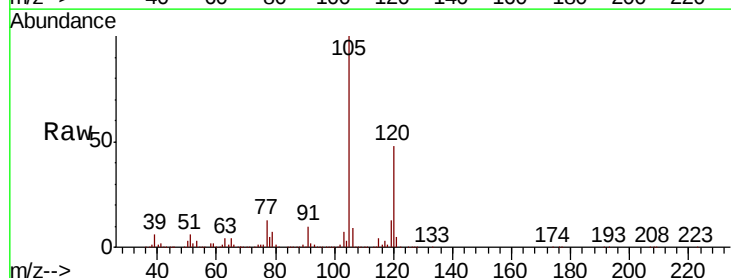
Acq: 08 Apr 2020 13:16

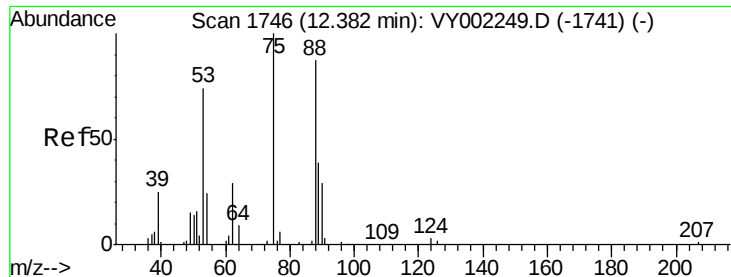
Tgt Ion: 105 Resp: 1033001

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 150.188 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

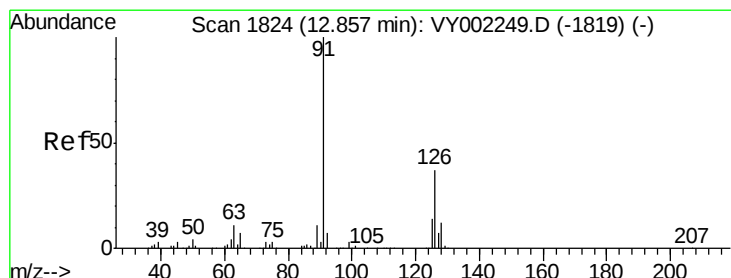
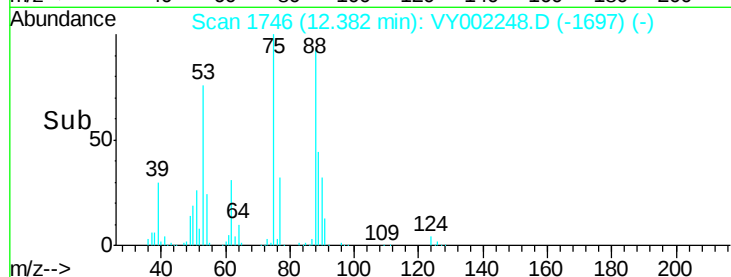
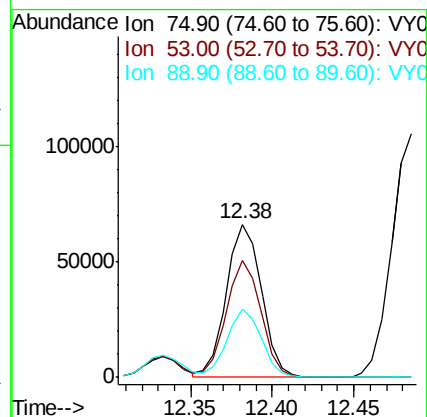
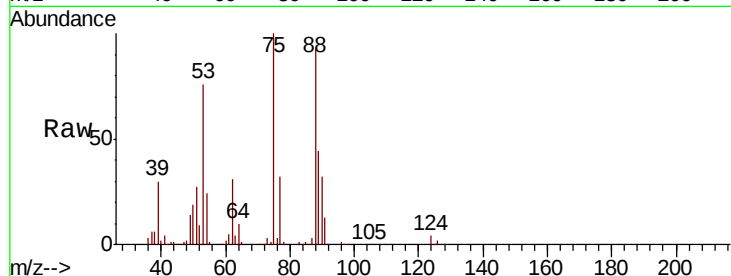
Tot Ion: 75 Resp: 99077

Ion Ratio Lower Upper

75 100

53 75.3 59.8 89.8

89 43.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 141.362 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VY002248.D

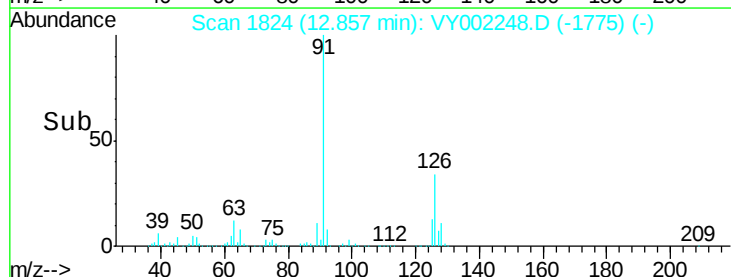
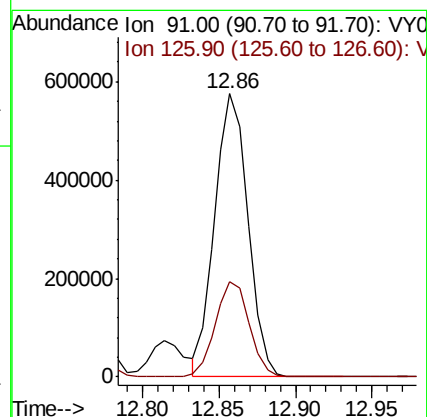
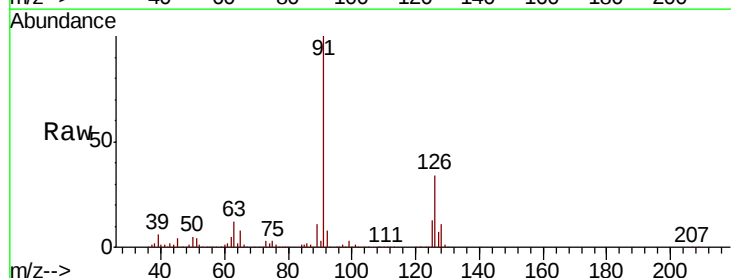
Acq: 08 Apr 2020 13:16

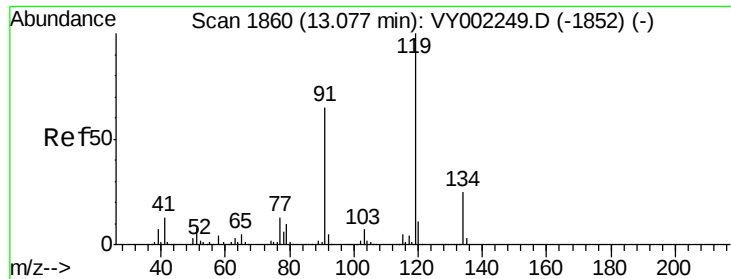
Tgt Ion: 91 Resp: 869282

Ion Ratio Lower Upper

91 100

126 34.5 16.9 50.7

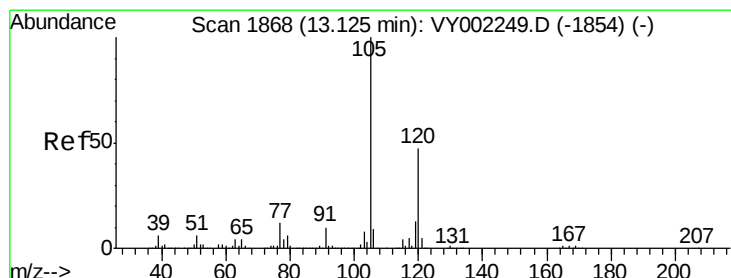
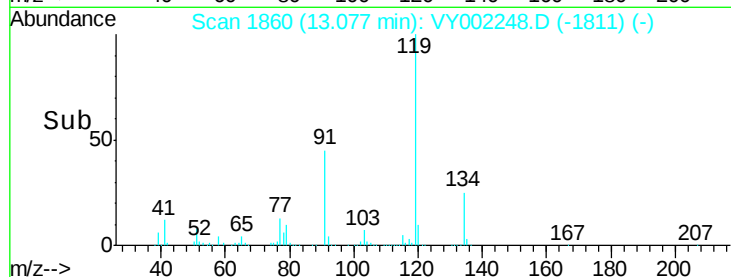
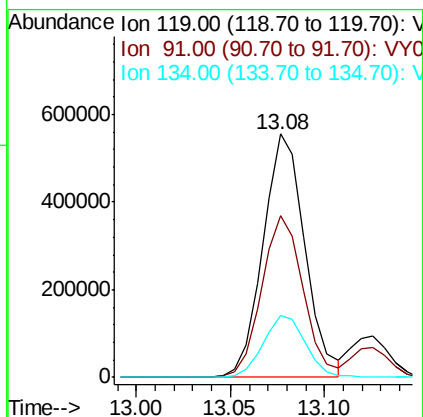
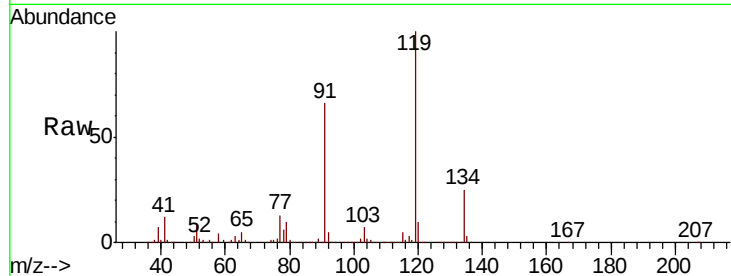




#83
 tert-Butylbenzene
 Concen: 142.274 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

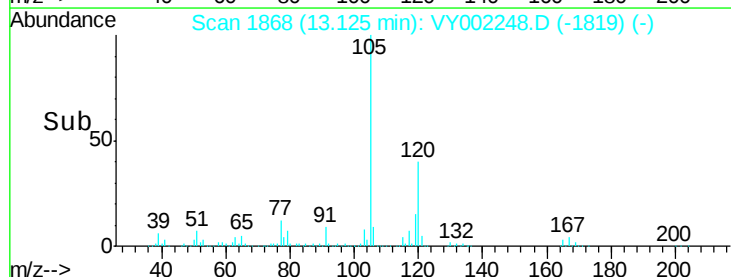
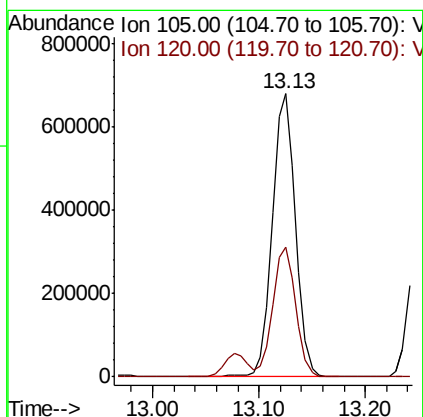
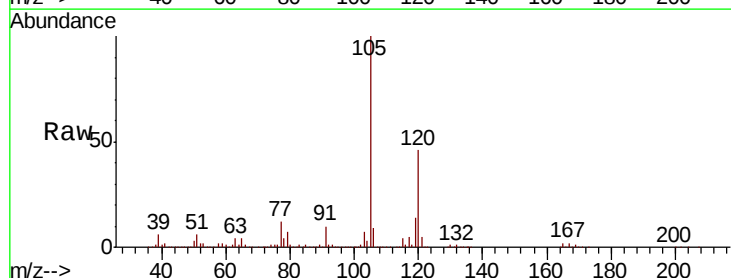
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 855545
 Ion Ratio Lower Upper
 119 100
 91 65.8 32.4 97.0
 134 25.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 143.134 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion:105 Resp: 1026100
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 139.403 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

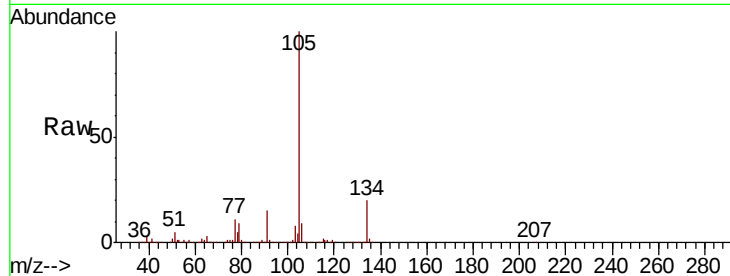
VSTDIC150

Tot Ion:105 Resp: 1248772

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

800000

600000

400000

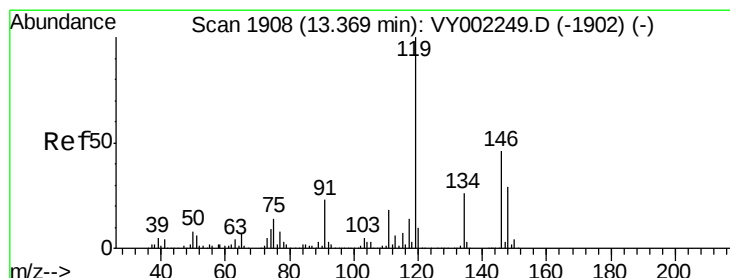
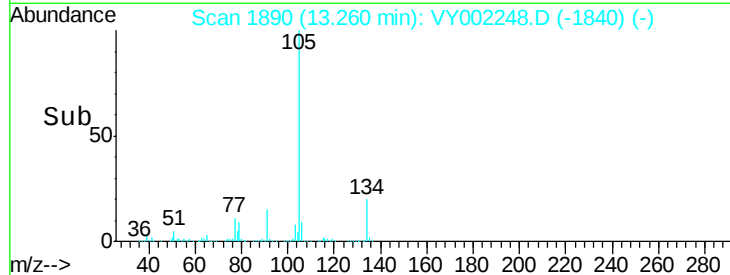
200000

0

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 139.098 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

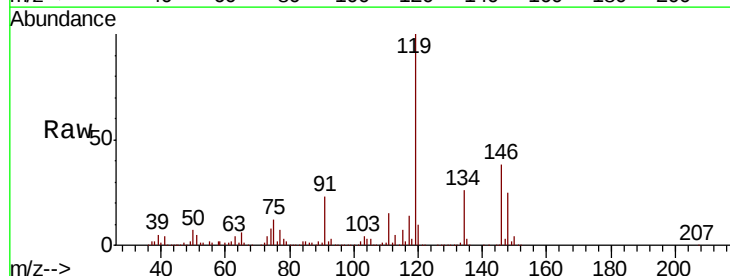
Tgt Ion:119 Resp: 1072423

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.3 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

1000000

800000

600000

400000

200000

0

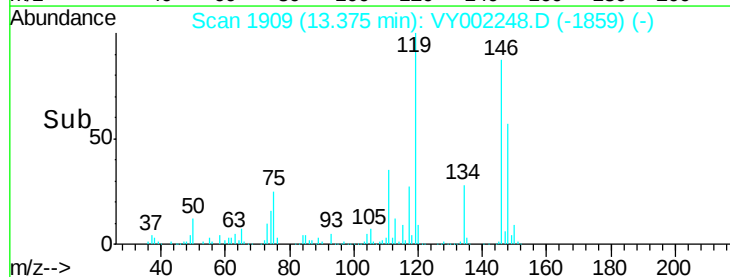
13.30

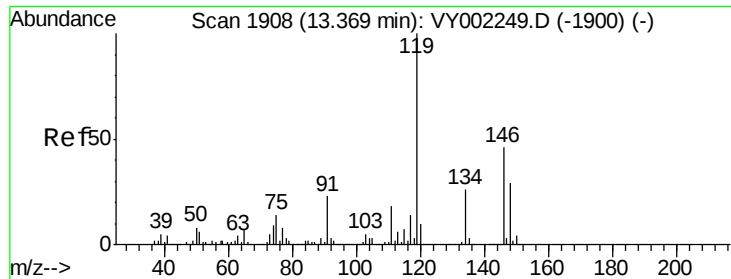
13.35

13.40

13.45

Time-->

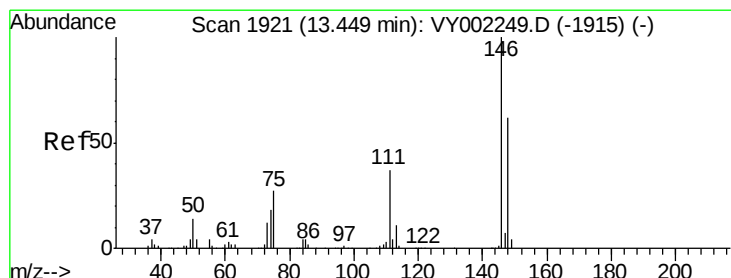
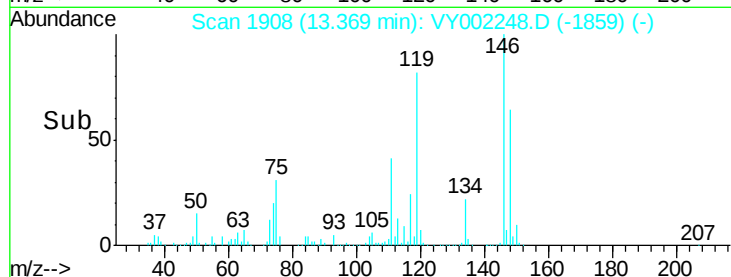
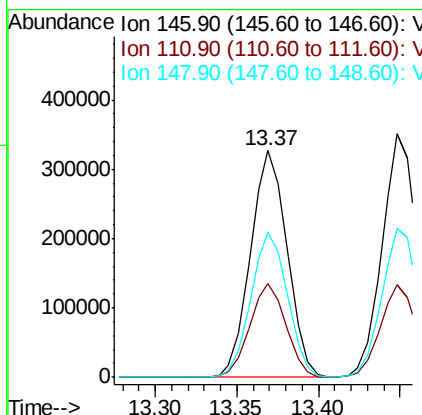
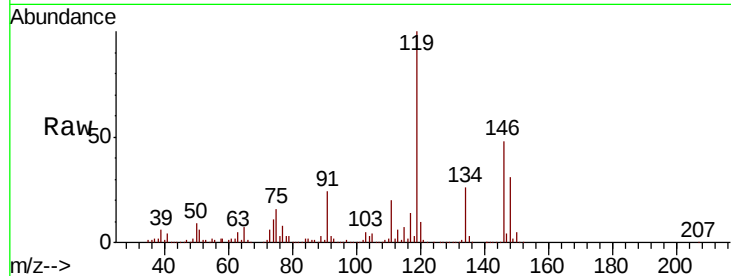




#87
 1,3-Dichlorobenzene
 Concen: 138.053 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

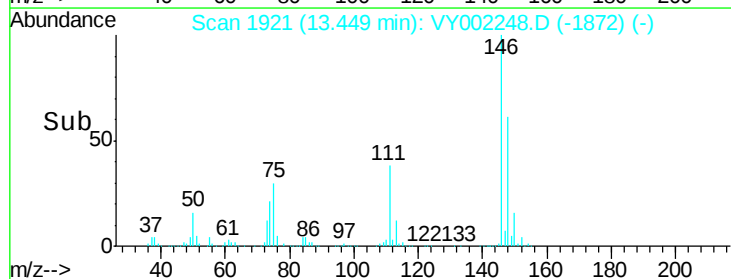
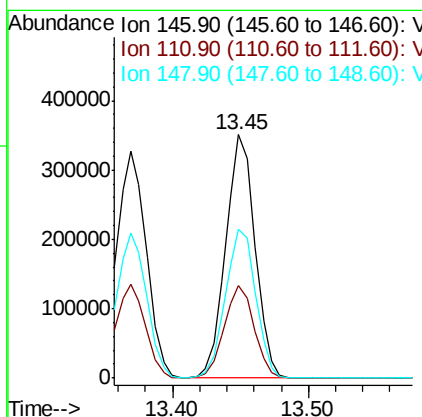
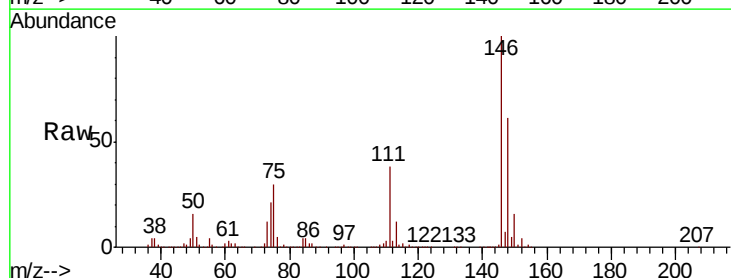
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

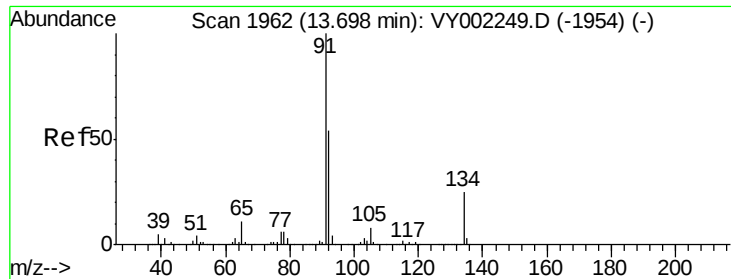
Tot Ion:146 Resp: 510966
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.8
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 139.897 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion:146 Resp: 525597
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.6 58.8
 148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 137.055 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

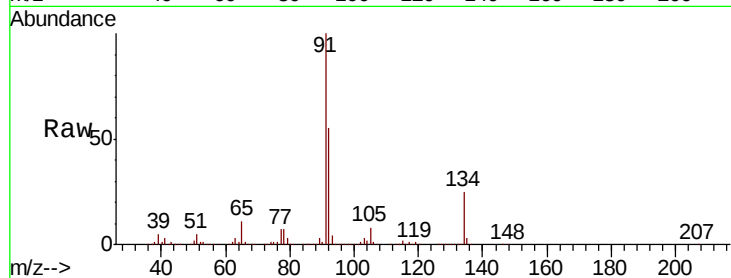
Tot Ion: 91 Resp: 1083111

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

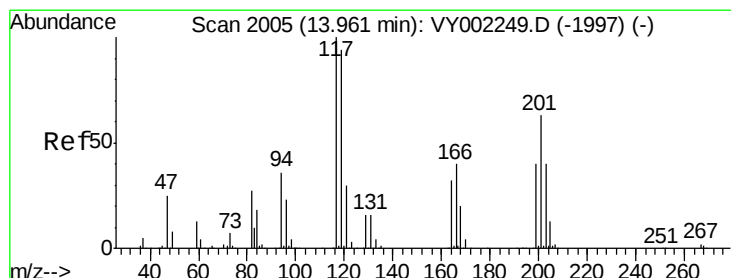
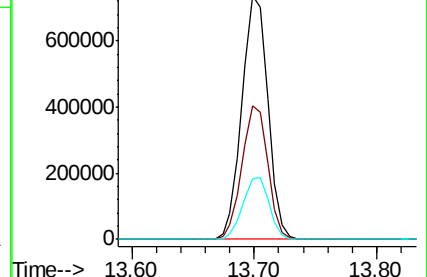
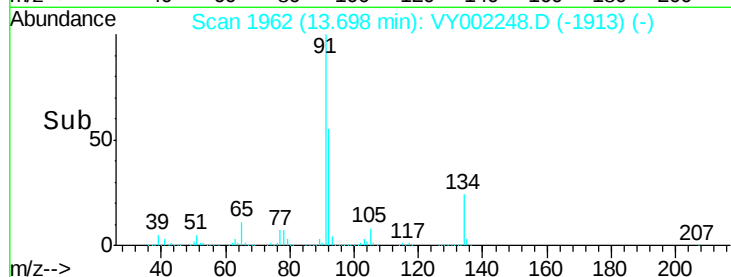
134 25.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VY002248.D (-1913) (-)

Ion 92.00 (91.70 to 92.70): VY002248.D (-1913) (-)

Ion 134.00 (133.70 to 134.70): VY002248.D (-1913) (-)



#90

Hexachloroethane

Concen: 145.404 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY002248.D

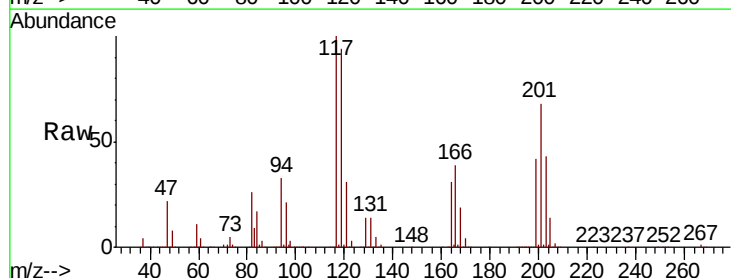
Acq: 08 Apr 2020 13:16

Tgt Ion: 117 Resp: 213623

Ion Ratio Lower Upper

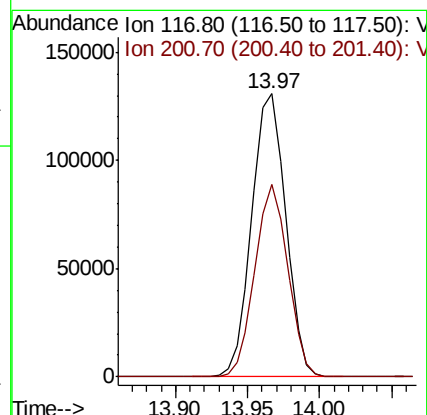
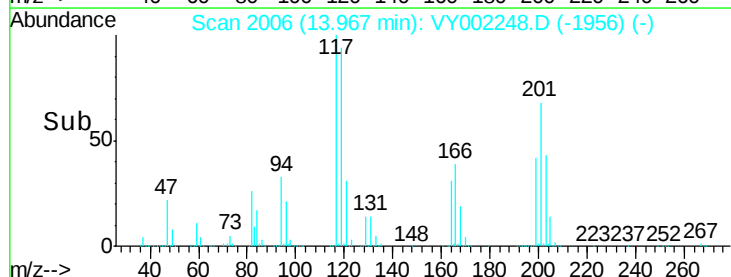
117 100

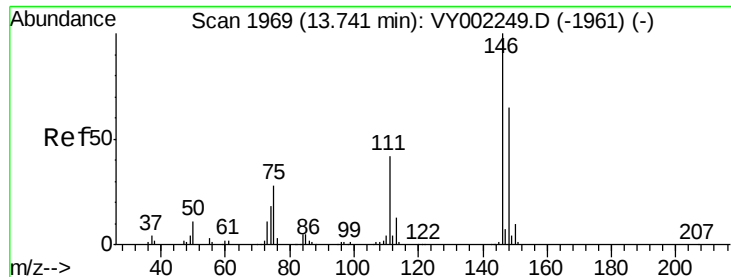
201 65.9 33.1 99.2



Abundance Ion 116.80 (116.50 to 117.50): VY002248.D (-1956) (-)

Ion 200.70 (200.40 to 201.40): VY002248.D (-1956) (-)





#91

1,2-Dichlorobenzene

Concen: 141.490 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

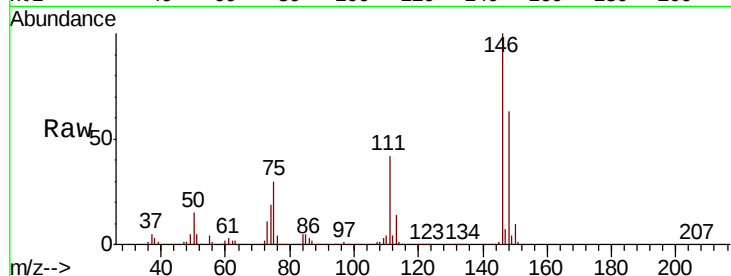
Tot Ion:146 Resp: 475858

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.1

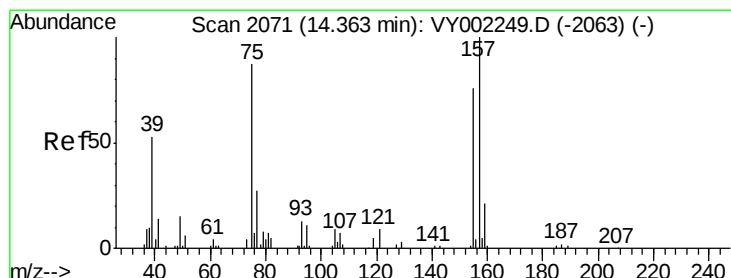
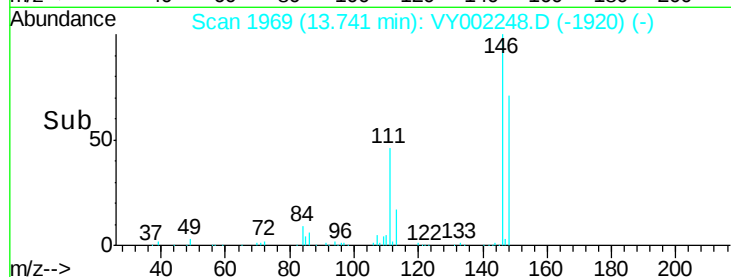
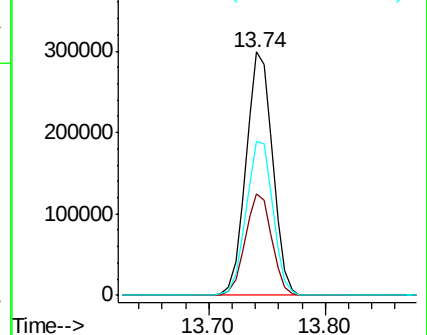
148 63.9 31.9 95.9



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: 142.584 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

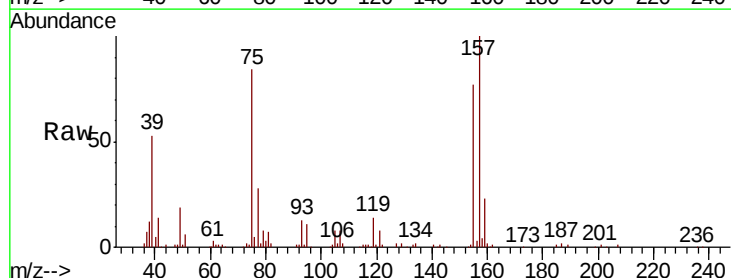
Tgt Ion: 75 Resp: 36217

Ion Ratio Lower Upper

75 100

155 91.3 43.6 130.8

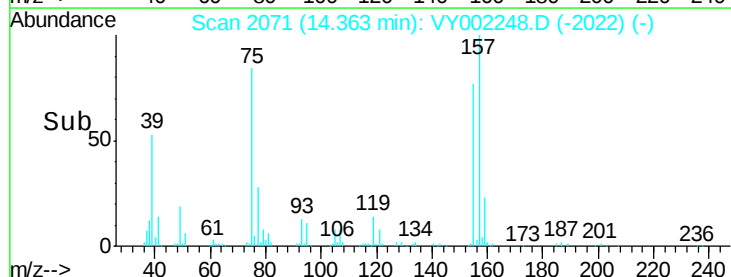
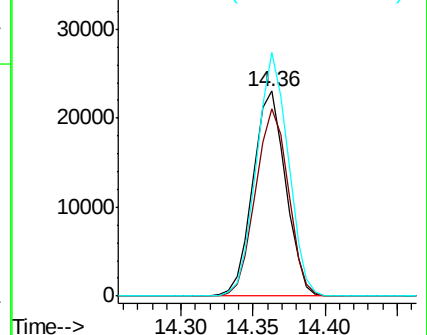
157 115.1 56.0 168.2

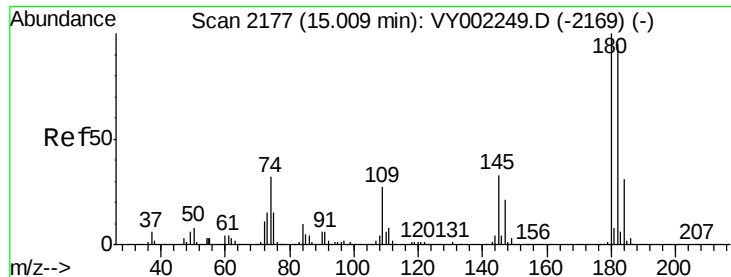


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

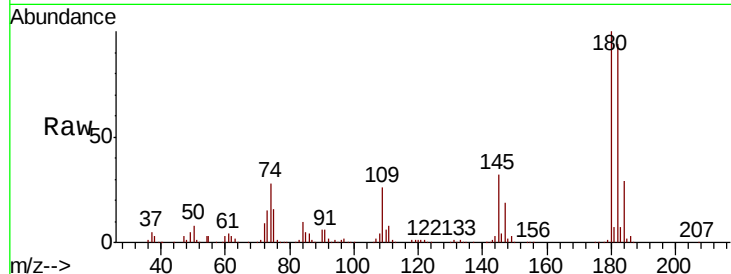




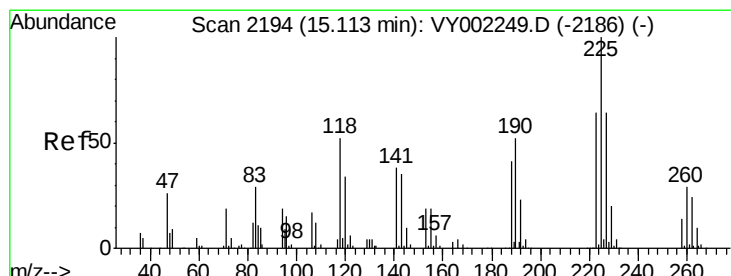
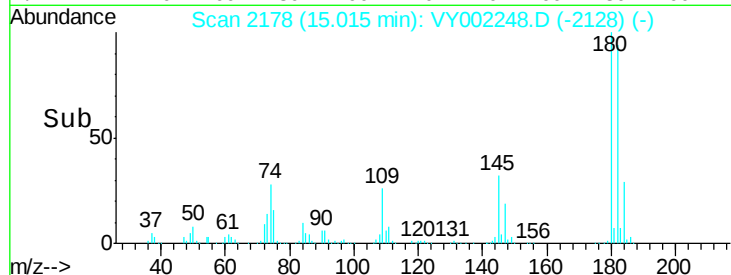
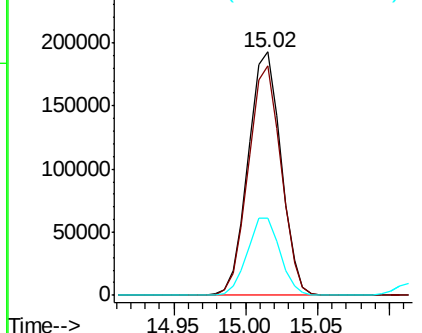
#93
 1,2,4-Trichlorobenzene
 Concen: 138.171 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 303738
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.7
 145 31.7 16.0 48.0

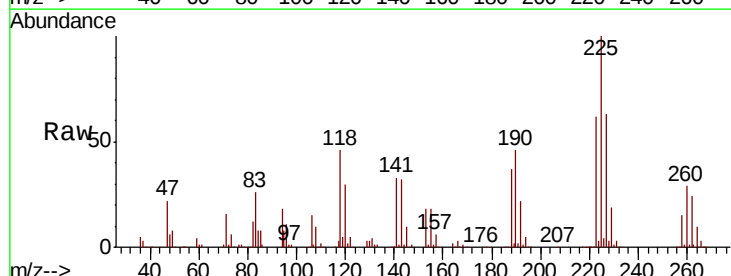


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

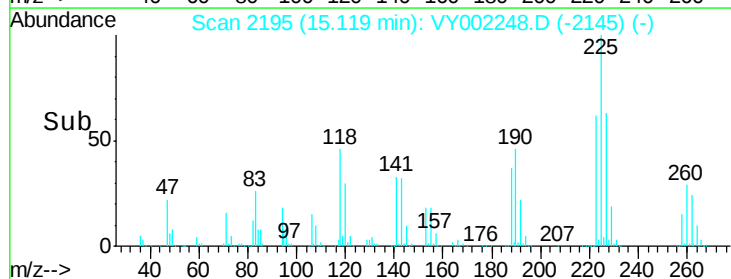
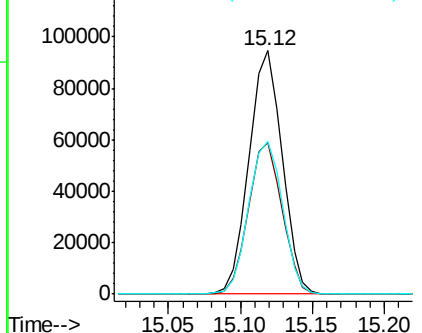


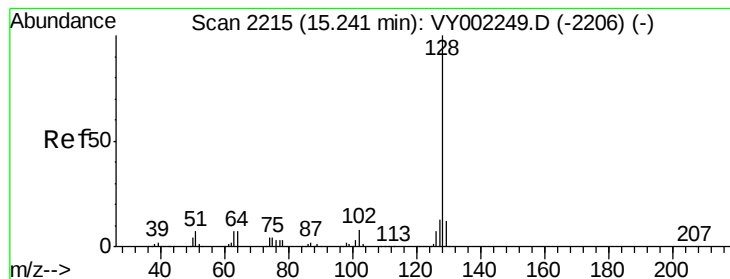
#94
 Hexachlorobutadiene
 Concen: 136.006 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002248.D
 Acq: 08 Apr 2020 13:16

Tgt Ion:225 Resp: 150585
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.0 93.0
 227 64.3 31.3 93.9



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





#95

Naphthalene

Concen: 144.626 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC150

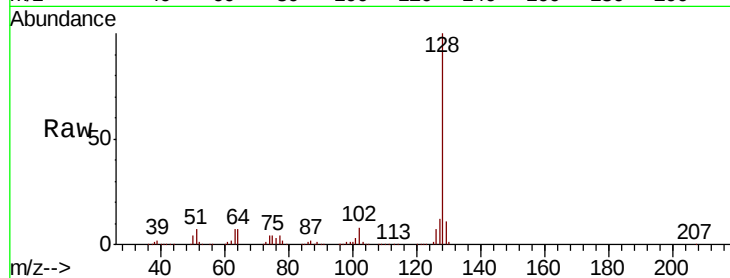
Tot Ion:128 Resp: 696115

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

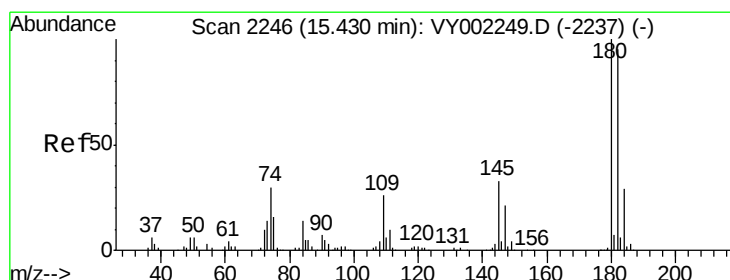
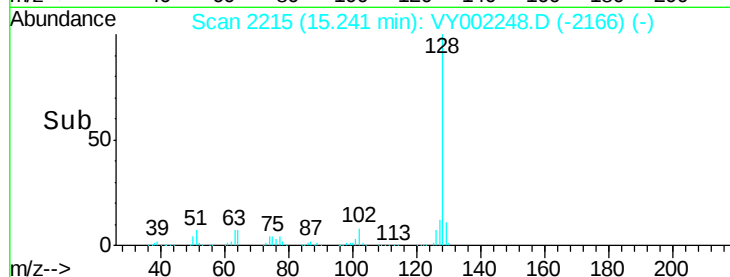
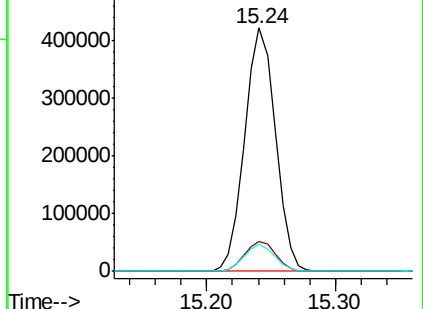
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 138.339 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY002248.D

Acq: 08 Apr 2020 13:16

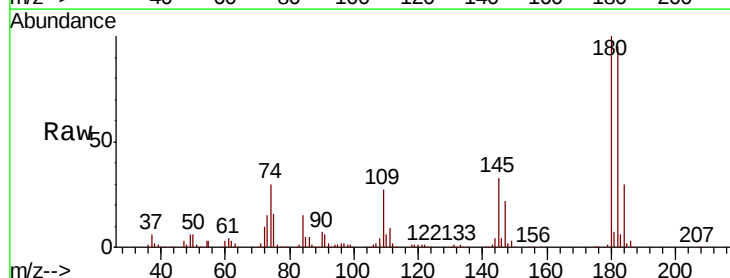
Tgt Ion:180 Resp: 264061

Ion Ratio Lower Upper

180 100

182 95.0 47.1 141.3

145 33.4 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

