

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002297.D
 Acq On : 13 Apr 2020 21:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 07:53:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	141782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111585	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	82595	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
35) Dibromofluoromethane	7.74	113	84953	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
50) Toluene-d8	10.19	98	346896	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.49	95	113159	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	74544	52.022	ug/l	95
3) Chloromethane	2.12	50	97168	53.880	ug/l	99
4) Vinyl Chloride	2.26	62	99307	51.735	ug/l	97
5) Bromomethane	2.66	94	66893	56.432	ug/l	97
6) Chloroethane	2.80	64	60074	54.266	ug/l	97
7) Trichlorofluoromethane	3.14	101	127126	51.282	ug/l	98
8) Diethyl Ether	3.55	74	62102	58.928	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	90215	53.575	ug/l	99
10) Methyl Iodide	4.11	142	106029	54.170	ug/l	97
11) Tert butyl alcohol	4.98	59	49808	303.744	ug/l	99
12) 1,1-Dichloroethene	3.89	96	94441	55.165	ug/l	94
13) Acrolein	3.75	56	52487	258.178	ug/l	97
14) Allyl chloride	4.50	41	148782	53.818	ug/l	97
15) Acrylonitrile	5.19	53	158337	293.802	ug/l	99
16) Acetone	3.97	43	101360	244.076	ug/l	95
17) Carbon Disulfide	4.21	76	310356	54.586	ug/l	98
18) Methyl Acetate	4.50	43	75514	58.624	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	261320	58.062	ug/l	97
20) Methylene Chloride	4.74	84	112980	55.351	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	108867	56.654	ug/l	97
22) Diisopropyl ether	6.14	45	311938	56.068	ug/l	97
23) Vinyl Acetate	6.08	43	1008855	284.552	ug/l	100
24) 1,1-Dichloroethane	6.05	63	178690	56.467	ug/l	99
25) 2-Butanone	7.01	43	179869	273.690	ug/l	100
26) 2,2-Dichloropropane	7.00	77	126795	47.899	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	122629	58.542	ug/l	95
28) Bromochloromethane	7.35	49	71557	52.383	ug/l	97
29) Tetrahydrofuran	7.36	42	123414	284.086	ug/l	98
30) Chloroform	7.53	83	170042	57.004	ug/l	96
31) Cyclohexane	7.80	56	168489	50.724	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	135215	54.459	ug/l	99
36) 1,1-Dichloropropene	7.94	75	135016	50.967	ug/l	98
37) Ethyl Acetate	7.10	43	81019	53.536	ug/l	99
38) Carbon Tetrachloride	7.92	117	116324	51.336	ug/l	98

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

39) Methylcyclohexane	9.19	83	180796	50.171	ug/l	96
40) Benzene	8.18	78	437064	54.380	ug/l	100
41) Methacrylonitrile	7.36	41	107467	120.377	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	104866	52.671	ug/l	97
43) Isopropyl Acetate	8.29	43	149289	54.089	ug/l	98
44) Trichloroethene	8.95	130	126320	53.457	ug/l	94
45) 1,2-Dichloropropane	9.23	63	109586	54.952	ug/l	99
46) Dibromomethane	9.32	93	58136	55.756	ug/l	99
47) Bromodichloromethane	9.51	83	133316	55.723	ug/l	96
48) Methyl methacrylate	9.30	41	65899	53.248	ug/l	95
49) 1,4-Dioxane	9.31	88	17185	1165.138	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	394446	274.262	ug/l	98
52) Toluene	10.25	92	265913	54.899	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	143018	54.866	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	172177	54.941	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	85898	56.270	ug/l	97
56) Ethyl methacrylate	10.52	69	125114	57.425	ug/l	94
57) 1,3-Dichloropropane	10.80	76	149816	55.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	301624	267.337	ug/l	99
59) 2-Hexanone	10.84	43	268933	269.430	ug/l	98
60) Dibromochloromethane	10.99	129	93355	57.352	ug/l	100
61) 1,2-Dibromoethane	11.10	107	83376	57.371	ug/l	99
64) Tetrachloroethene	10.72	164	132448	53.221	ug/l	98
65) Chlorobenzene	11.52	112	275912	53.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	92855	54.965	ug/l	98
67) Ethyl Benzene	11.60	91	495877	52.938	ug/l	99
68) m/p-Xylenes	11.70	106	374569	106.764	ug/l	98
69) o-Xylene	12.03	106	176497	53.584	ug/l	98
70) Styrene	12.05	104	313983	54.944	ug/l	98
71) Bromoform	12.21	173	52560	57.212	ug/l #	99
73) Isopropylbenzene	12.33	105	461773	52.676	ug/l	100
74) N-amyl acetate	12.15	43	133448	53.628	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	60635	57.170	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	128126	98.882	ug/l #	100
77) Bromobenzene	12.61	156	105417	54.658	ug/l	97
78) n-propylbenzene	12.67	91	562051	51.552	ug/l	100
79) 2-Chlorotoluene	12.76	91	310948	52.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	380502	52.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	36246	54.407	ug/l	95
82) 4-Chlorotoluene	12.86	91	318693	51.319	ug/l	98
83) tert-Butylbenzene	13.08	119	319034	52.536	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	377804	52.186	ug/l	99
85) sec-Butylbenzene	13.26	105	465768	51.486	ug/l	100
86) p-Isopropyltoluene	13.38	119	398497	51.181	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	200467	53.633	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	197304	52.002	ug/l	100
89) n-Butylbenzene	13.70	91	397319	49.784	ug/l	99
90) Hexachloroethane	13.97	117	77608	52.308	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	181777	53.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13424	52.333	ug/l	94

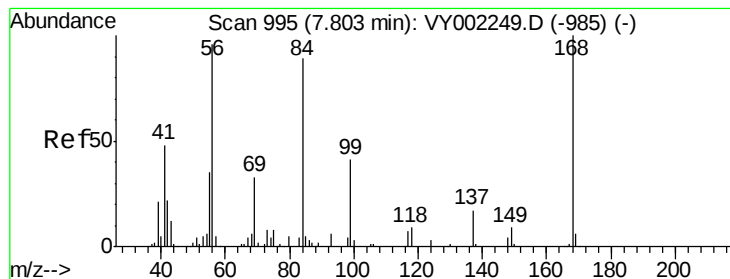
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	111082	50.037	ug/l	99
94) Hexachlorobutadiene	15.12	225	56191	50.255	ug/l	99
95) Naphthalene	15.24	128	259469	53.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	96553	50.089	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

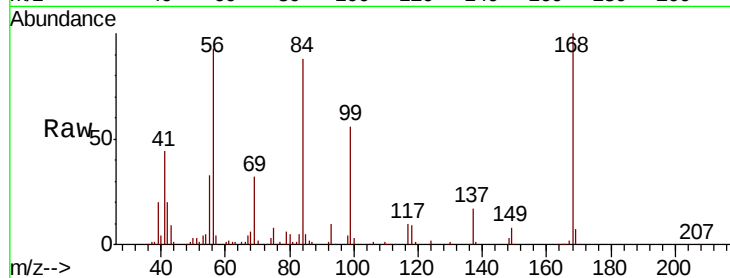
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 141782

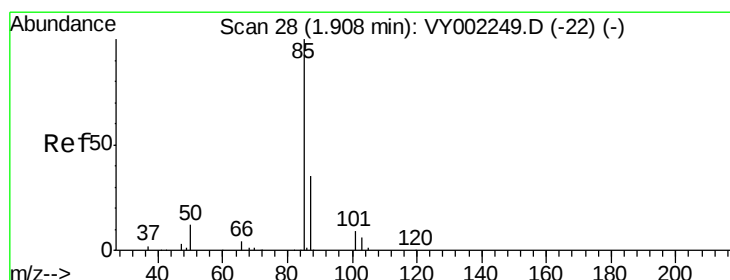
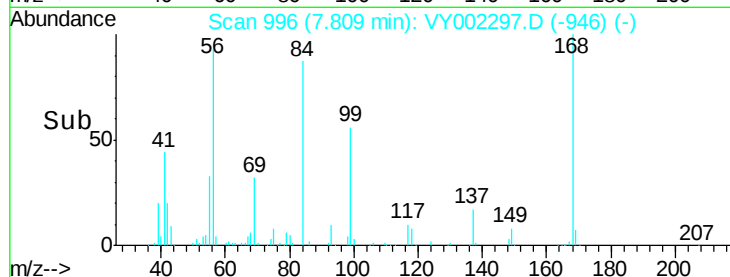
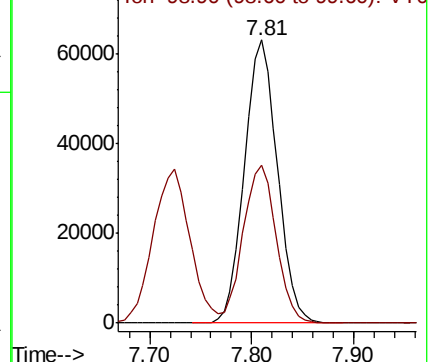
Ion Ratio Lower Upper

168 100

99 55.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002297.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 52.022 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002297.D

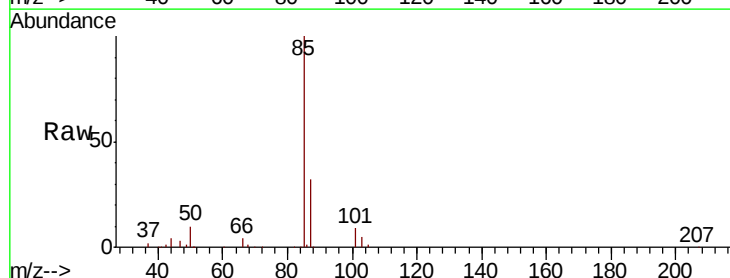
Acq: 13 Apr 2020 21:36

Tgt Ion: 85 Resp: 74544

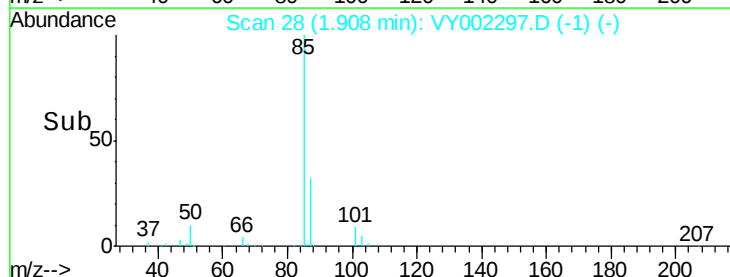
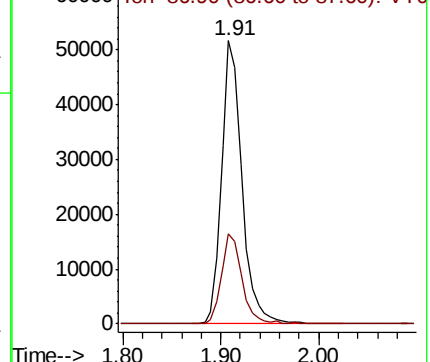
Ion Ratio Lower Upper

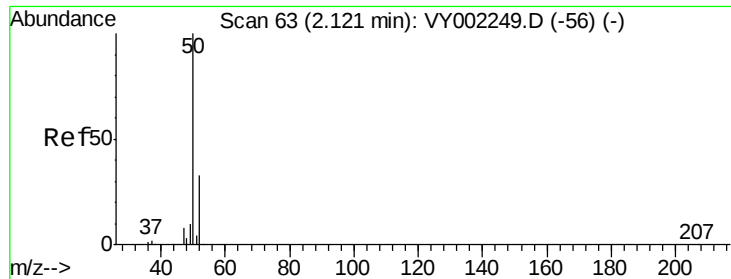
85 100

87 31.8 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002297.D (-1) (-)





#3

Chloromethane

Concen: 53.880 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

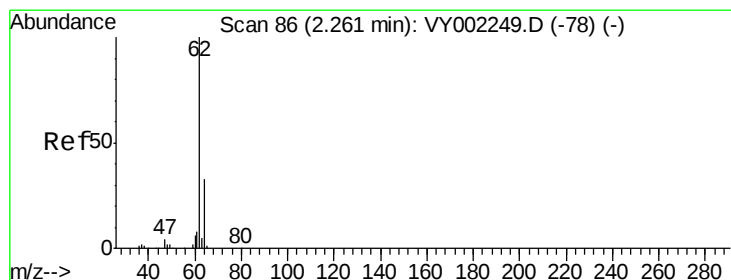
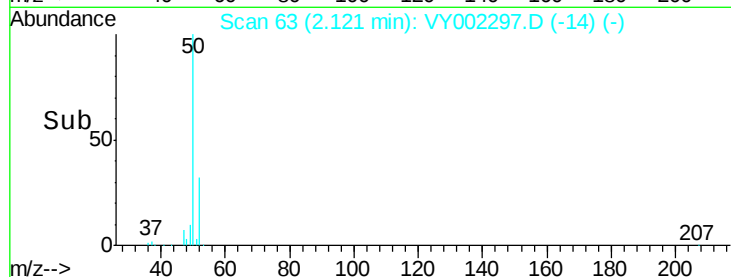
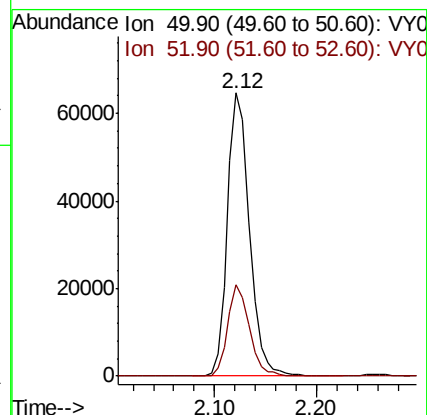
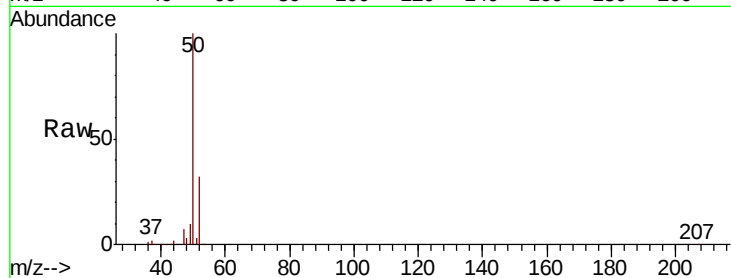
ClientSampleId :

Tot Ion: 50 Resp: 97168

Ion Ratio Lower Upper

50 100

52 32.5 26.6 39.8



#4

Vinyl Chloride

Concen: 51.735 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002297.D

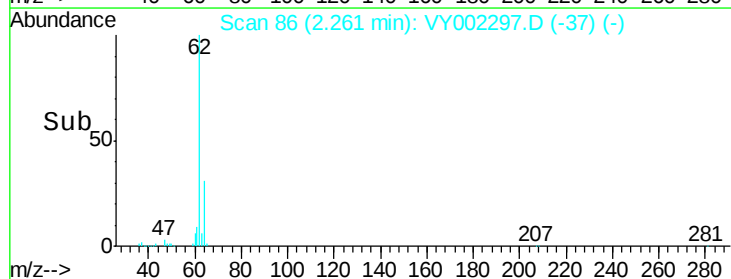
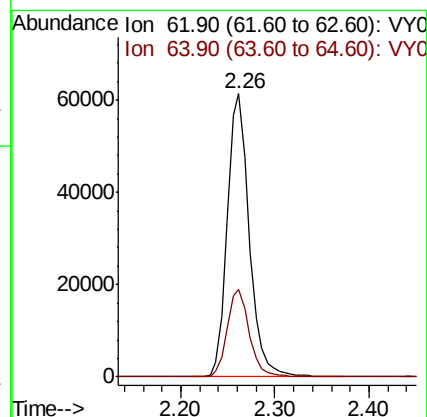
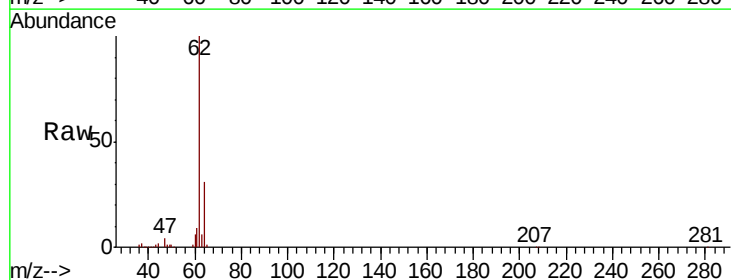
Acq: 13 Apr 2020 21:36

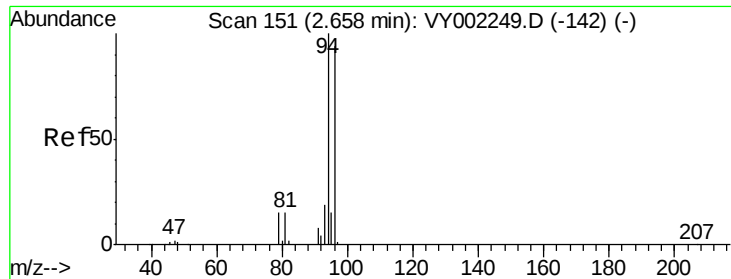
Tgt Ion: 62 Resp: 99307

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 56.432 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

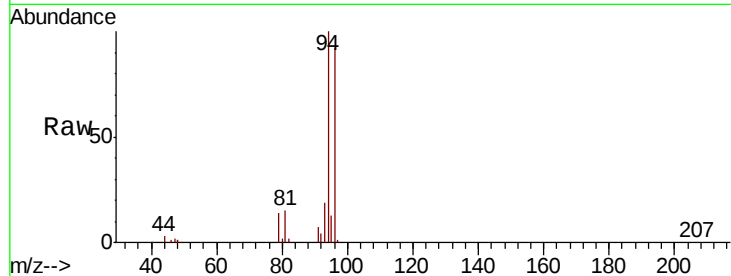
ClientSampleId :

Tot Ion: 94 Resp: 66893

Ion Ratio Lower Upper

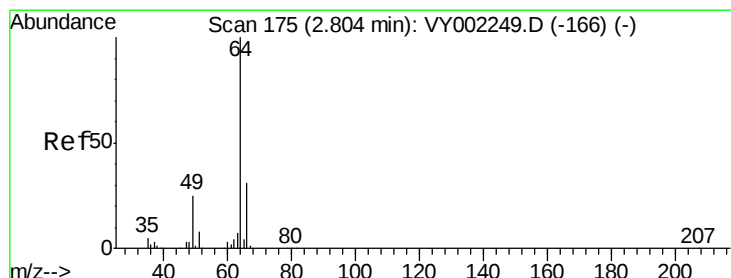
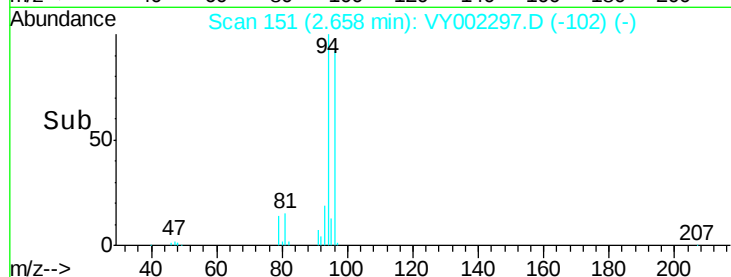
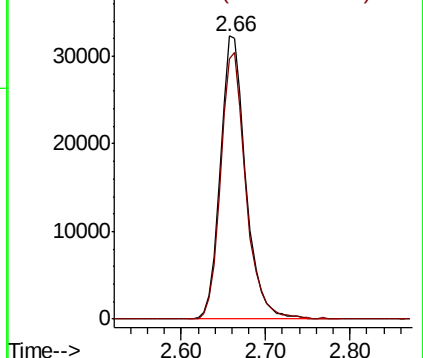
94 100

96 92.0 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: 54.266 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002297.D

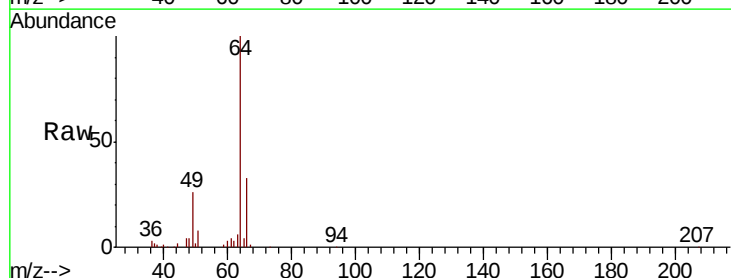
Acq: 13 Apr 2020 21:36

Tgt Ion: 64 Resp: 60074

Ion Ratio Lower Upper

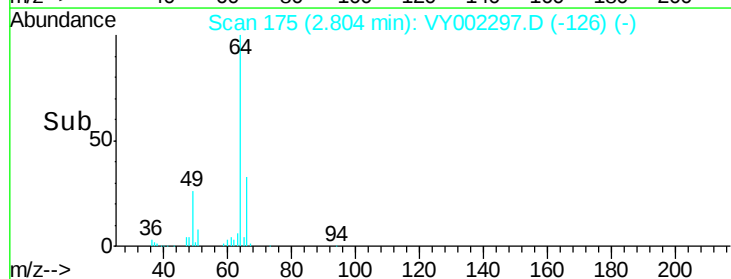
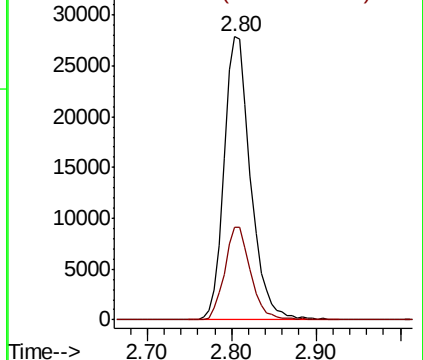
64 100

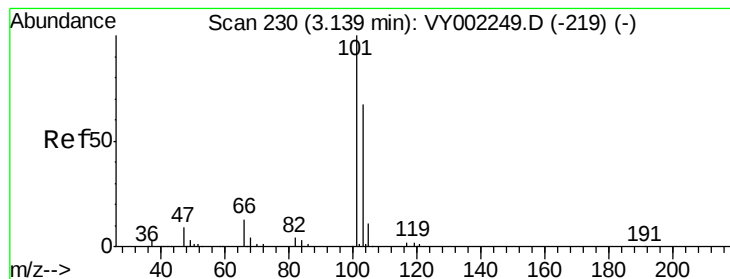
66 32.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



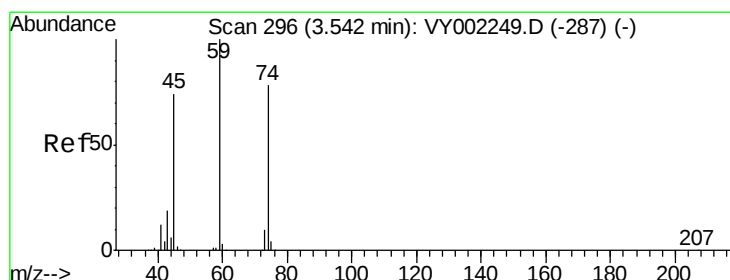
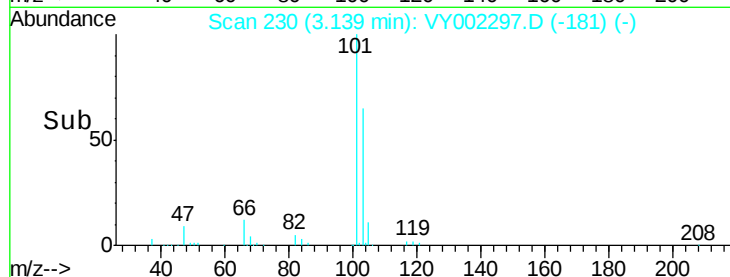
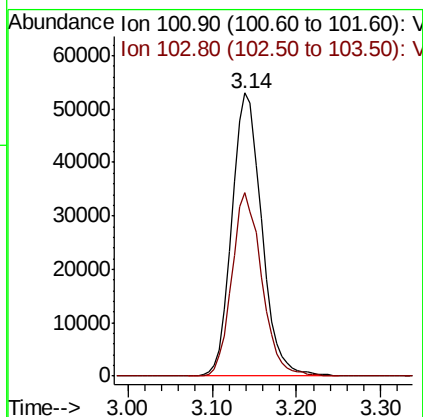
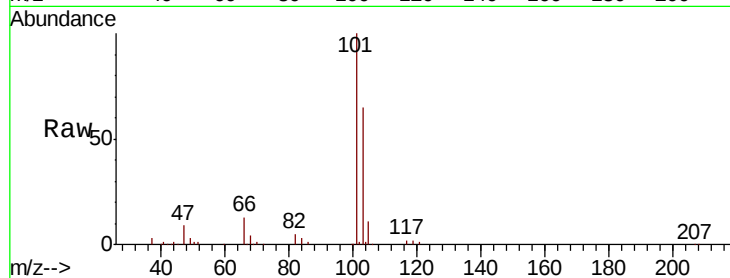


#7

Trichlorofluoromethane
Concen: 51.282 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :

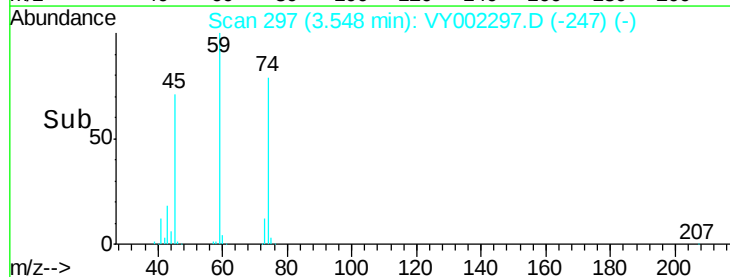
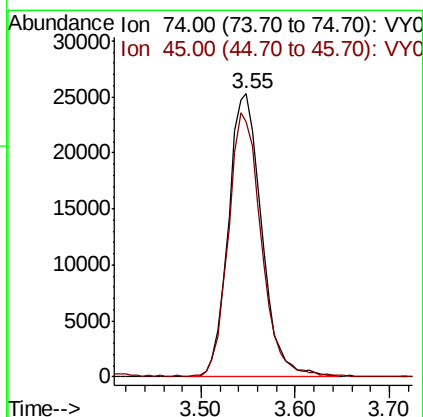
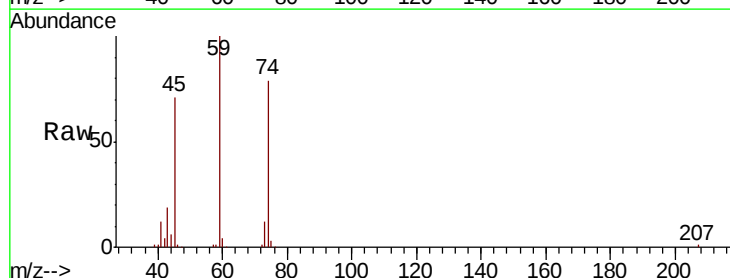
Tot Ion:101 Resp: 127126
Ion Ratio Lower Upper
101 100
103 65.0 53.3 79.9

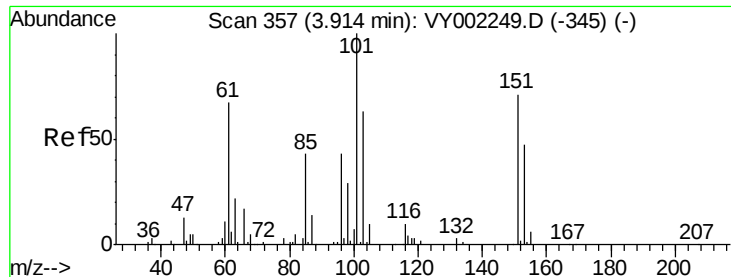


#8

Diethyl Ether
Concen: 58.928 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 74 Resp: 62102
Ion Ratio Lower Upper
74 100
45 92.9 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.575 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

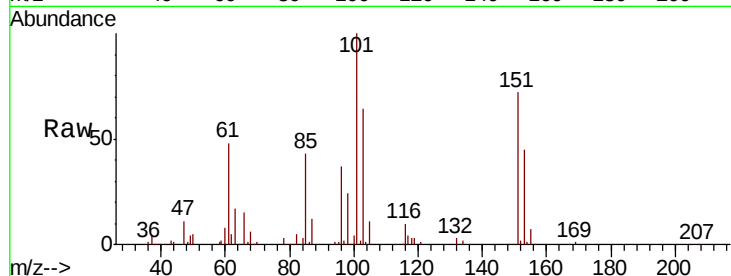
Tot Ion:101 Resp: 90215

Ion Ratio Lower Upper

101 100

85 41.9 34.6 52.0

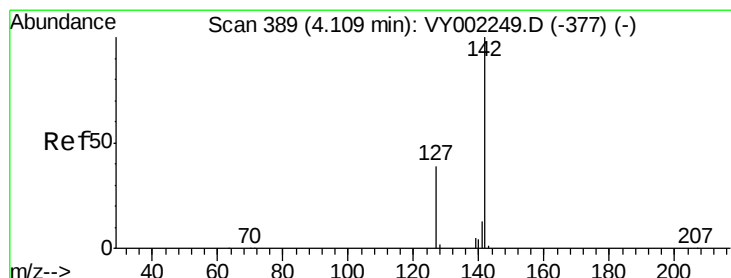
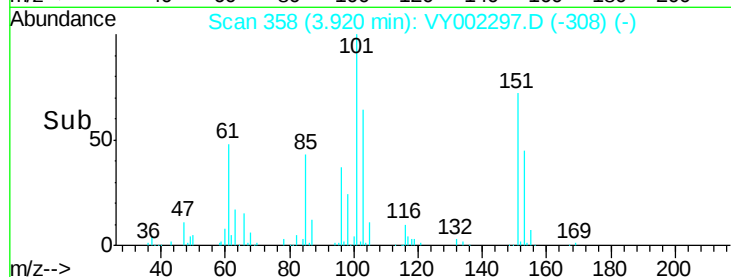
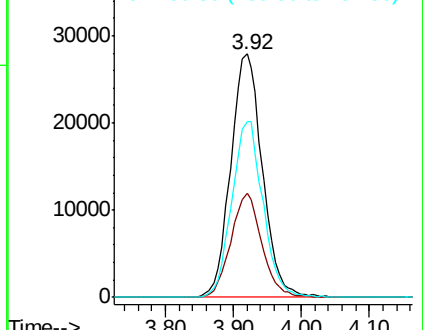
151 71.3 57.6 86.4



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: 54.170 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

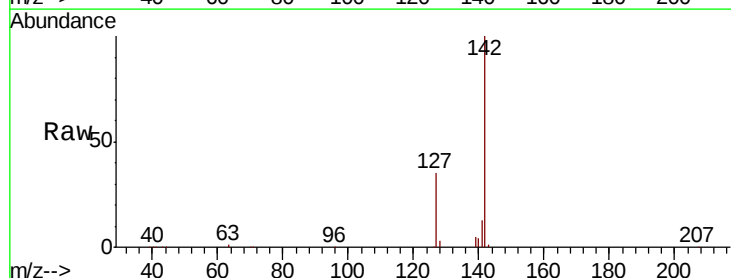
Tgt Ion:142 Resp: 106029

Ion Ratio Lower Upper

142 100

127 38.2 32.4 48.6

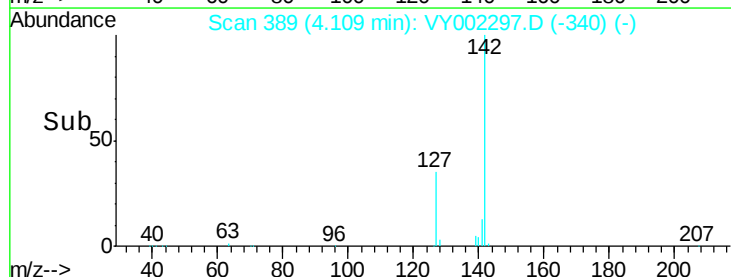
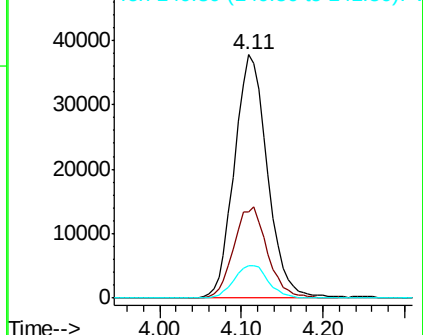
141 14.1 11.2 16.8

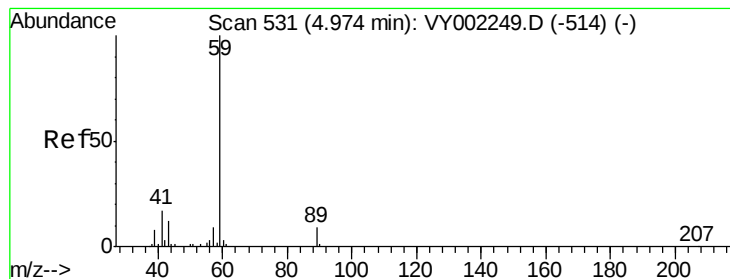


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



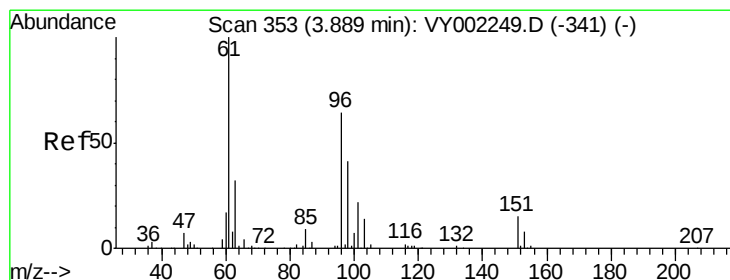
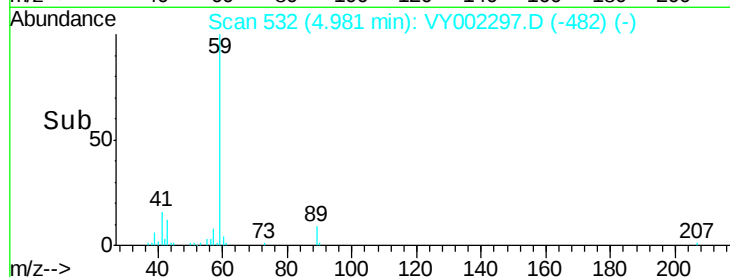
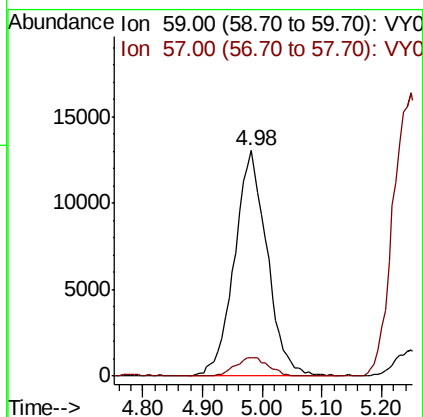
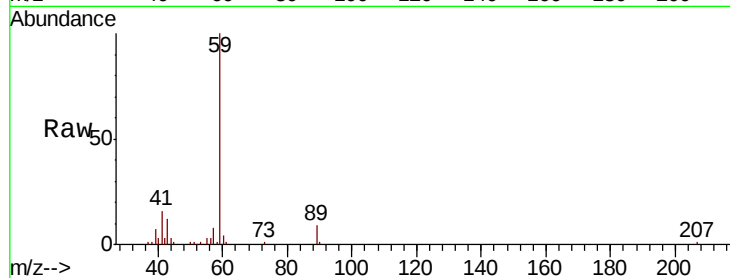


#11

Tert butyl alcohol
Concen: 303.744 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampled :

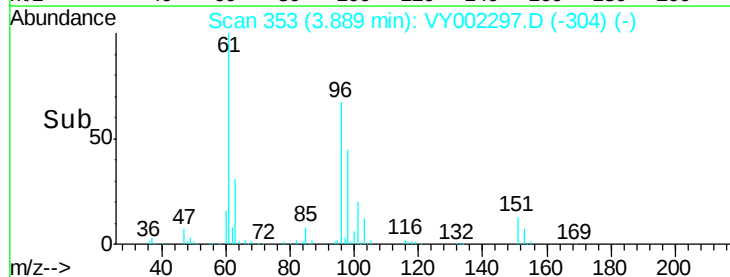
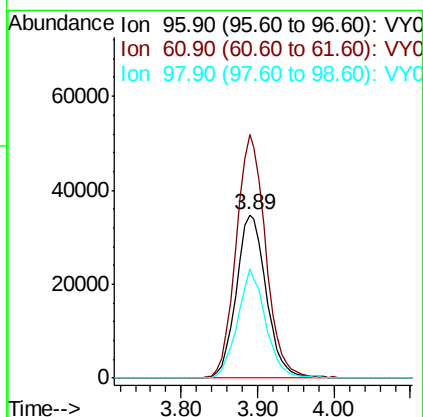
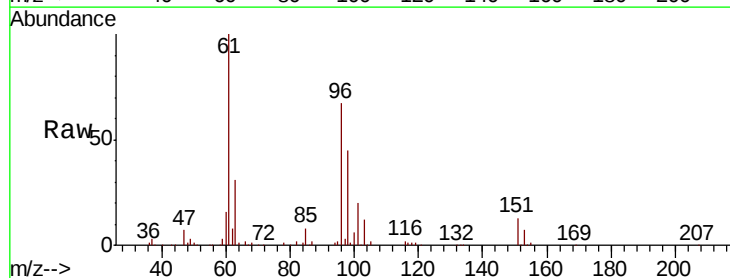
Tot Ion: 59 Resp: 49808
Ion Ratio Lower Upper
59 100
57 8.5 6.6 9.8

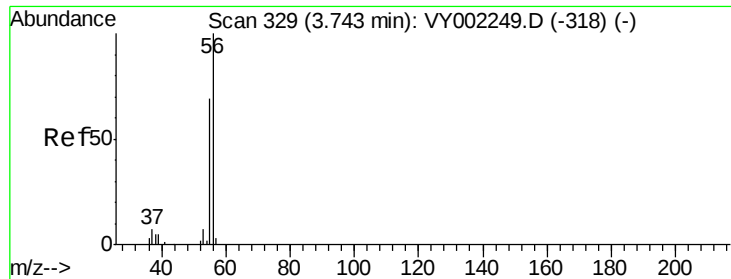


#12

1,1-Dichloroethene
Concen: 55.165 ug/l
RT: 3.89 min Scan# 353
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 96 Resp: 94441
Ion Ratio Lower Upper
96 100
61 149.3 125.9 188.9
98 67.1 51.1 76.7

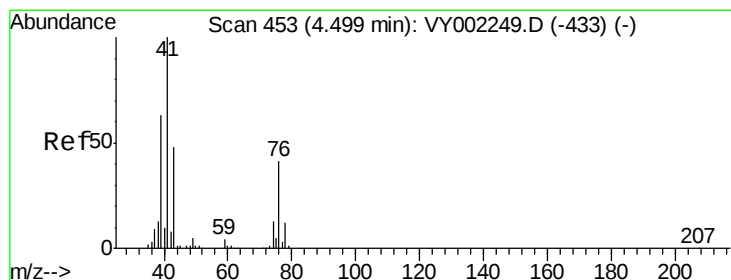
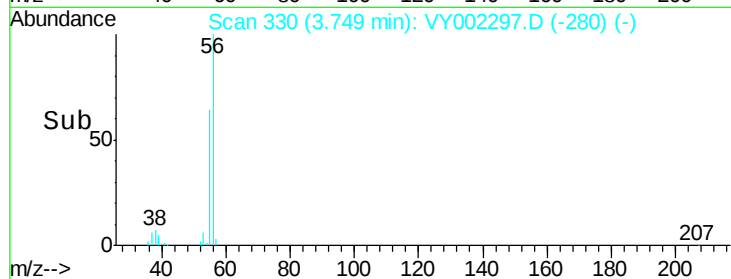
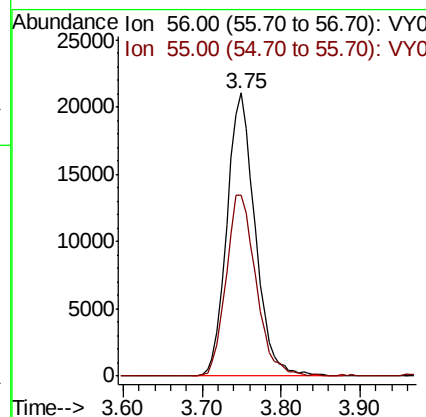
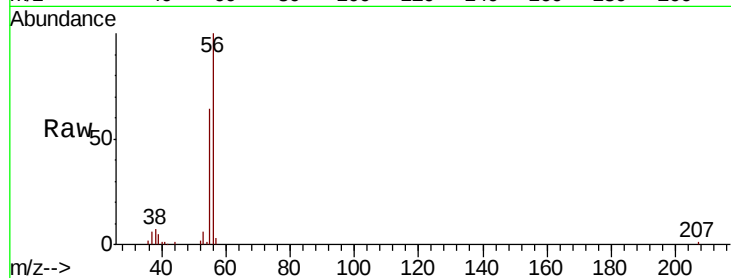




#13
Acrolein
Concen: 258.178 ug/l
RT: 3.75 min Scan# 330
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

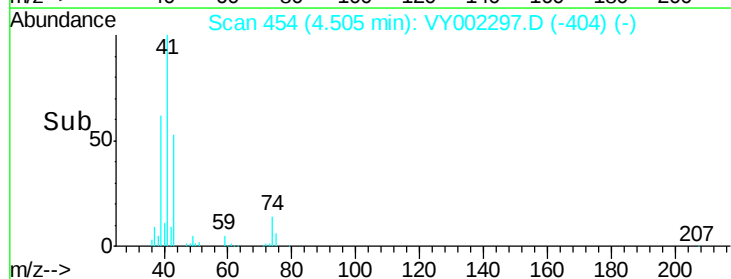
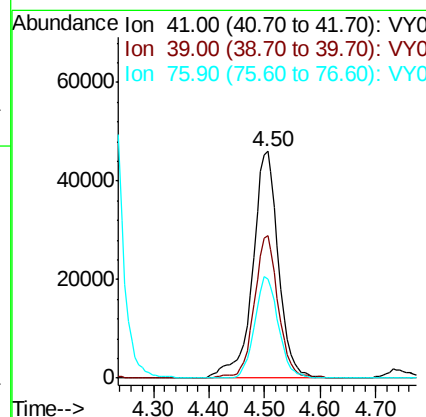
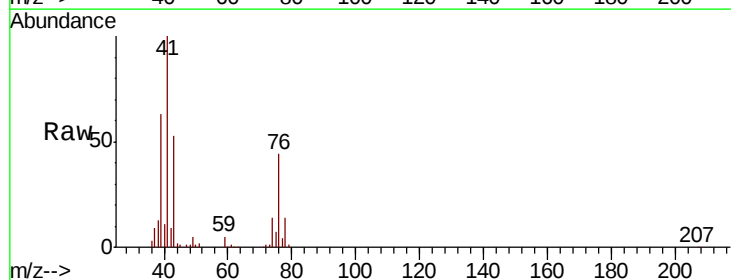
Instrument :
MSVOA_Y
ClientSampleId :

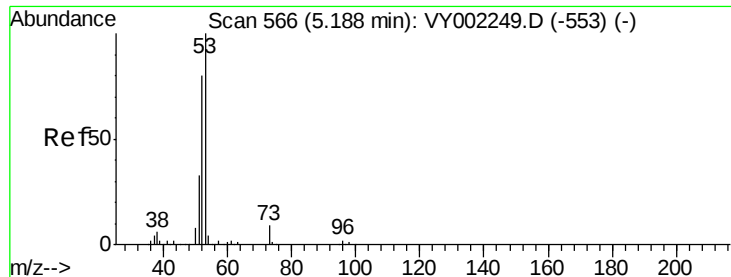
Tot Ion: 56 Resp: 52487
Ion Ratio Lower Upper
56 100
55 67.7 55.8 83.8



#14
Allyl chloride
Concen: 53.818 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 41 Resp: 148782
Ion Ratio Lower Upper
41 100
39 58.3 48.0 72.0
76 41.1 31.0 46.6





#15

Acrylonitrile

Concen: 293.802 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

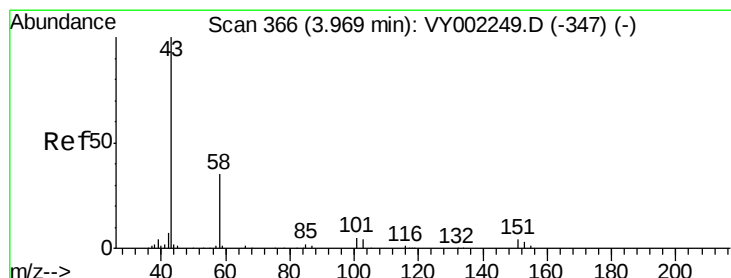
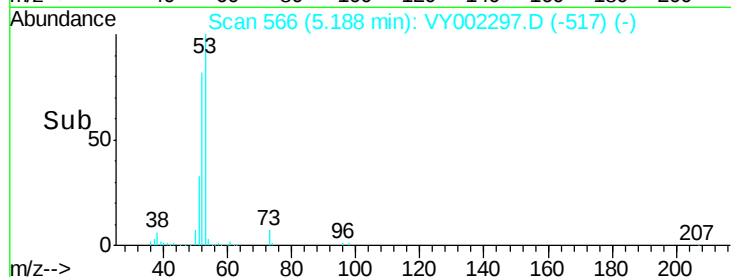
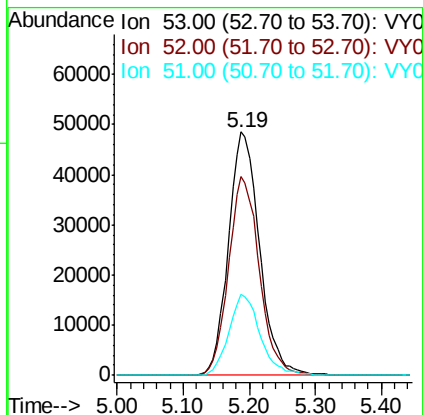
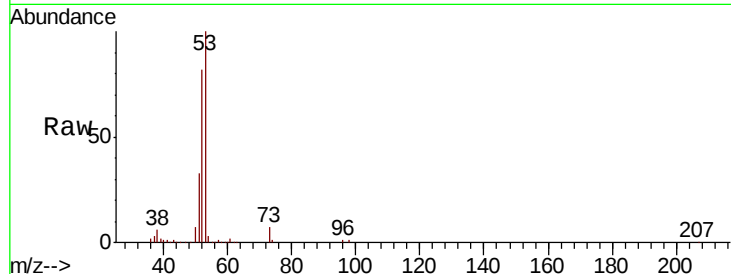
Tot Ion: 53 Resp: 158337

Ion Ratio Lower Upper

53 100

52 80.7 65.1 97.7

51 33.5 27.1 40.7



#16

Acetone

Concen: 244.076 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002297.D

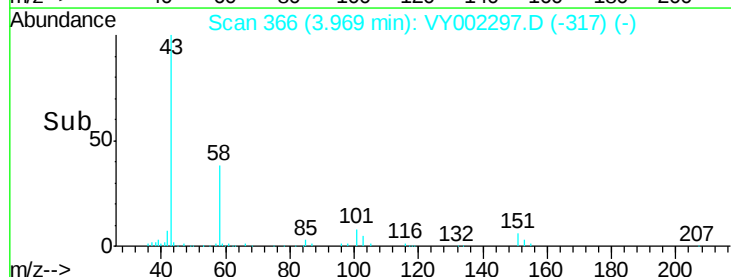
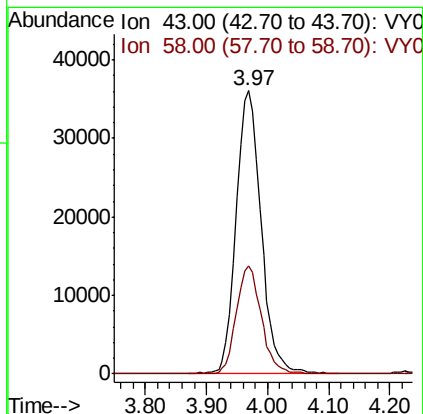
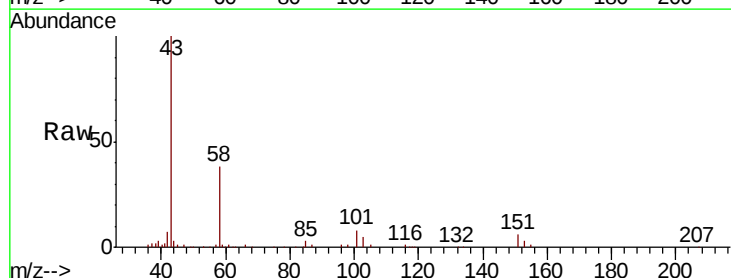
Acq: 13 Apr 2020 21:36

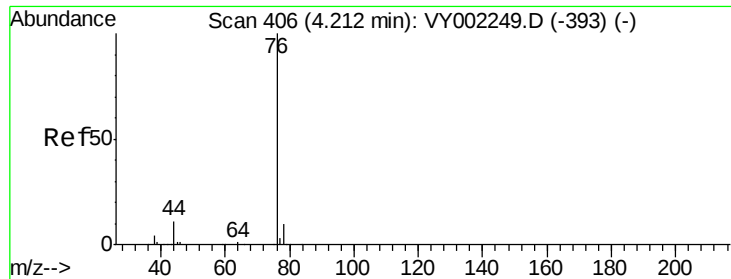
Tgt Ion: 43 Resp: 101360

Ion Ratio Lower Upper

43 100

58 38.3 28.5 42.7





#17

Carbon Disulfide

Concen: 54.586 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

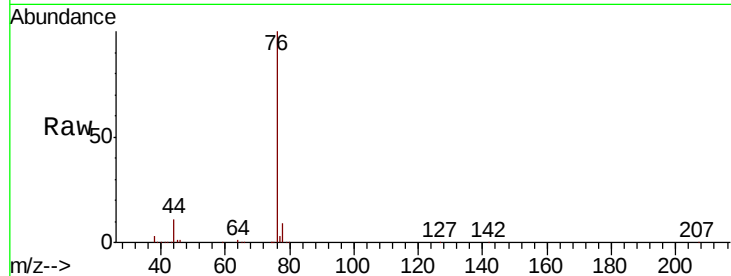
ClientSampleId :

Tot Ion: 76 Resp: 310356

Ion Ratio Lower Upper

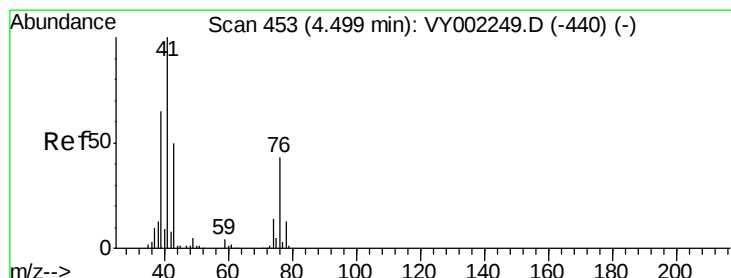
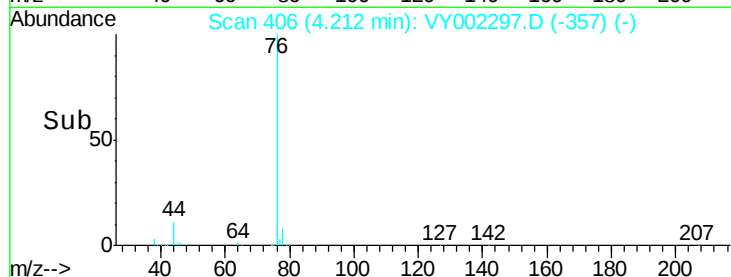
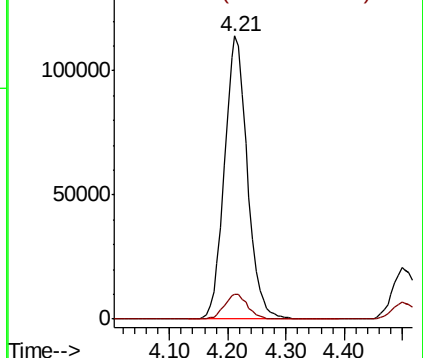
76 100

78 8.8 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: 58.624 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002297.D

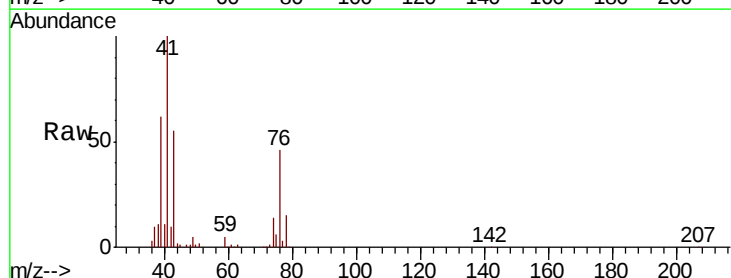
Acq: 13 Apr 2020 21:36

Tgt Ion: 43 Resp: 75514

Ion Ratio Lower Upper

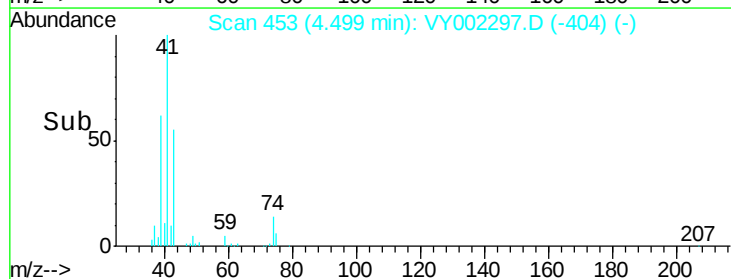
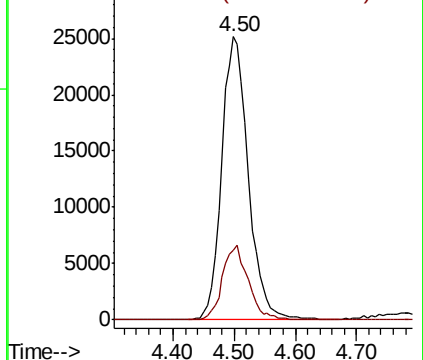
43 100

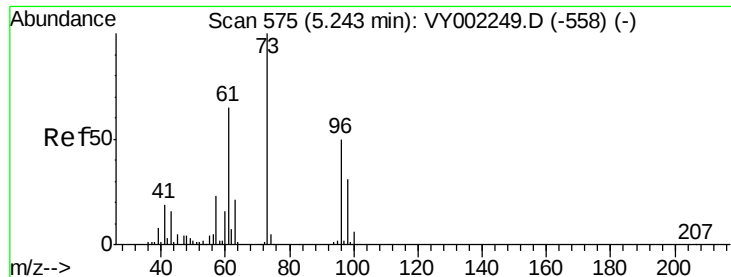
74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

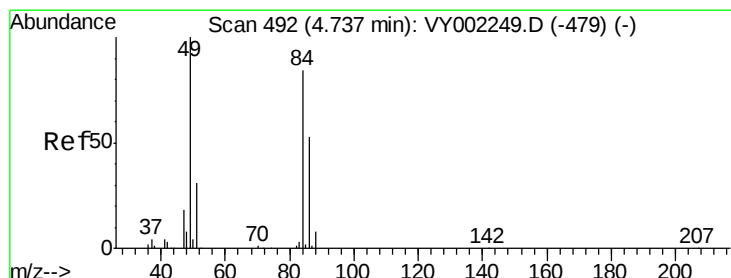
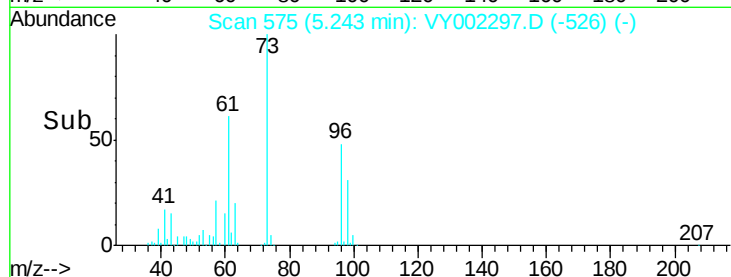
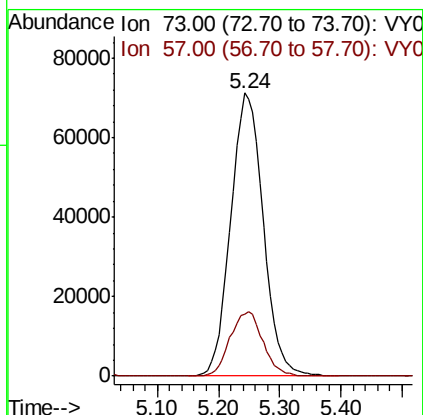
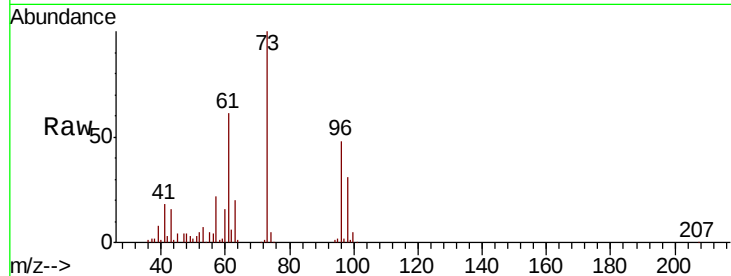




#19
Methvl tert-butvl Ether
Concen: 58.062 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

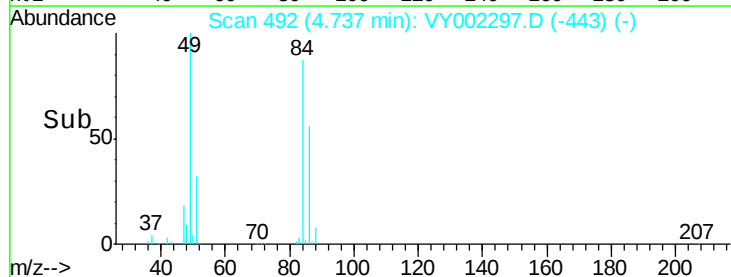
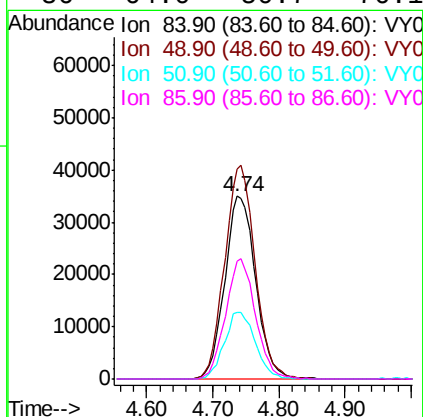
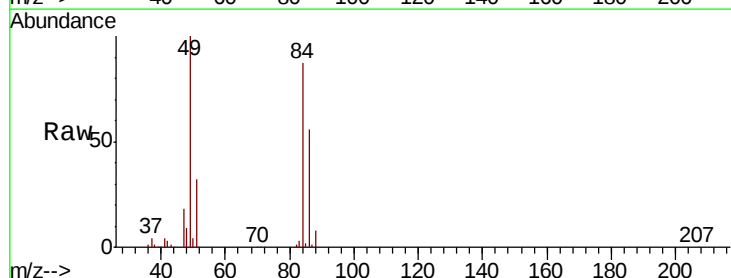
Instrument :
MSVOA_Y
ClientSampleId :

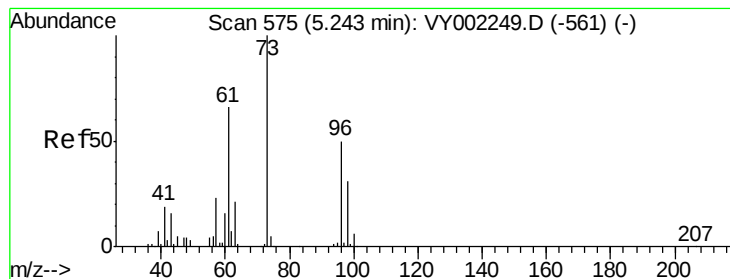
Tot Ion: 73 Resp: 261320
Ion Ratio Lower Upper
73 100
57 21.9 18.7 28.1



#20
Methylene Chloride
Concen: 55.351 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 84 Resp: 112980
Ion Ratio Lower Upper
84 100
49 114.9 95.5 143.3
51 36.5 29.5 44.3
86 64.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 56.654 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampled :

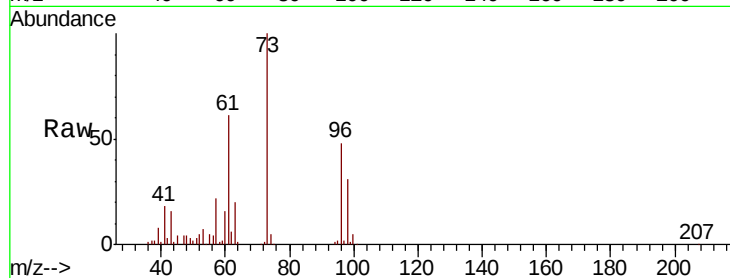
Tot Ion: 96 Resp: 108867

Ion Ratio Lower Upper

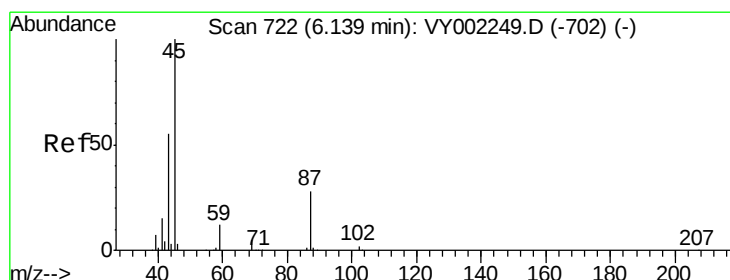
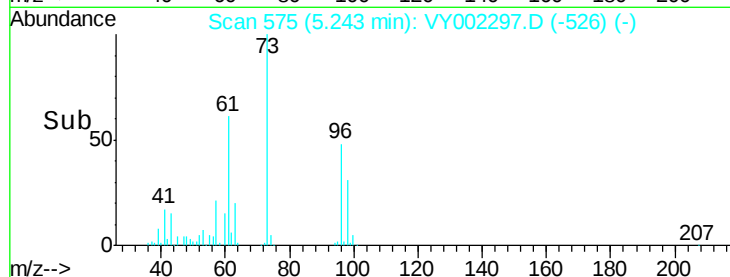
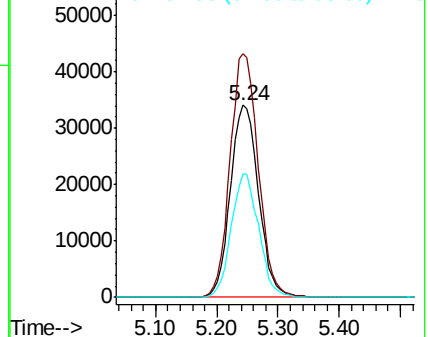
96 100

61 126.9 104.6 157.0

98 64.5 50.1 75.1



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



#22

Diisopropyl ether

Concen: 56.068 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Tgt Ion: 45 Resp: 311938

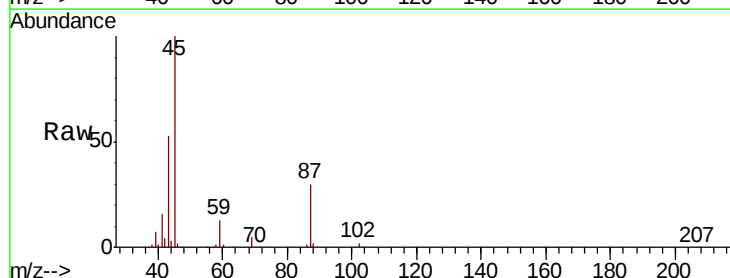
Ion Ratio Lower Upper

45 100

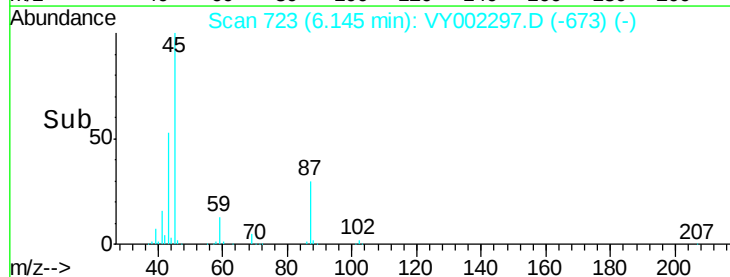
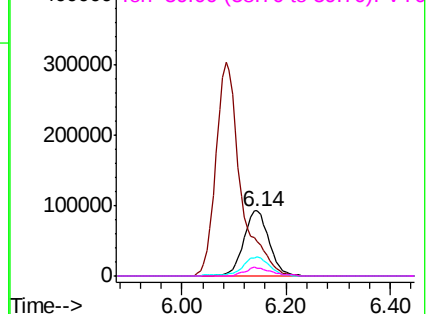
43 53.0 44.7 67.1

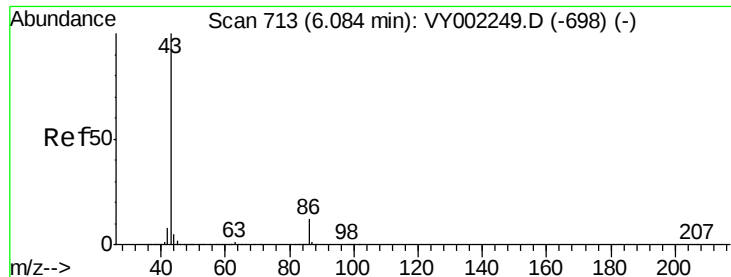
87 30.0 23.0 34.4

59 12.6 10.1 15.1



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 284.552 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

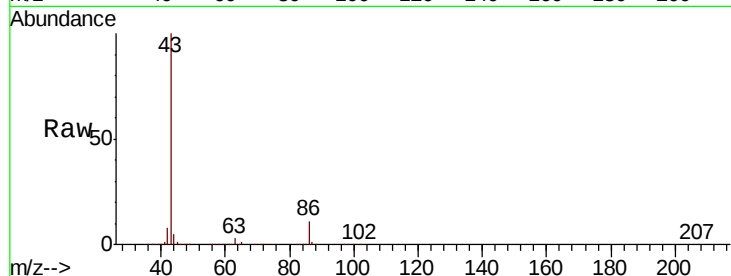
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1008855

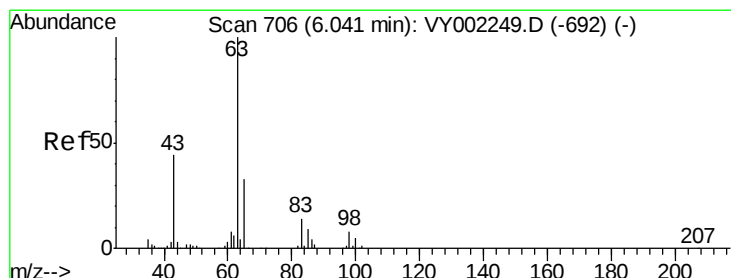
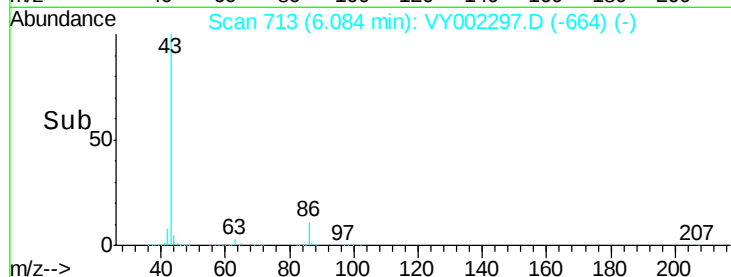
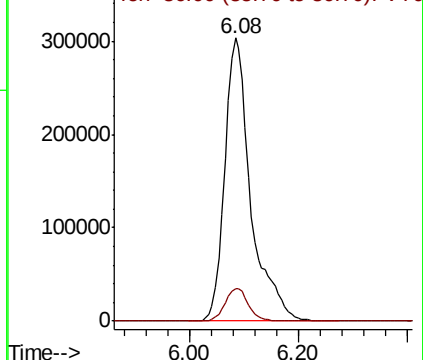
Ion Ratio Lower Upper

43 100

86 11.5 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: 56.467 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

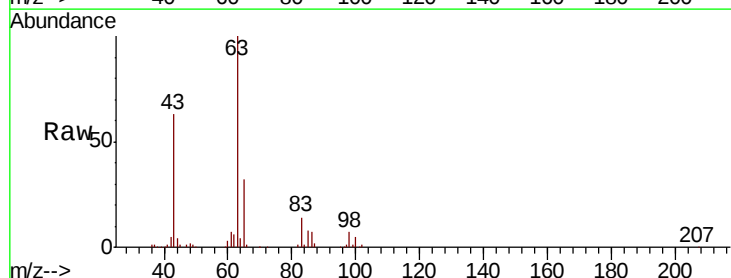
Tgt Ion: 63 Resp: 178690

Ion Ratio Lower Upper

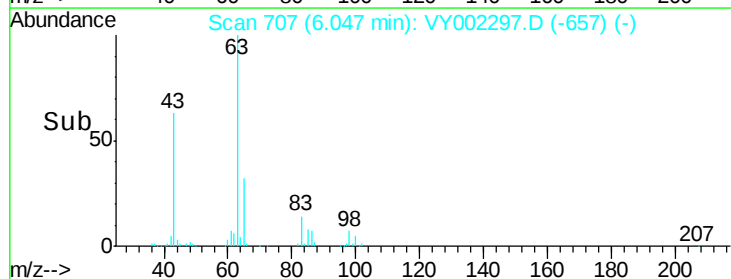
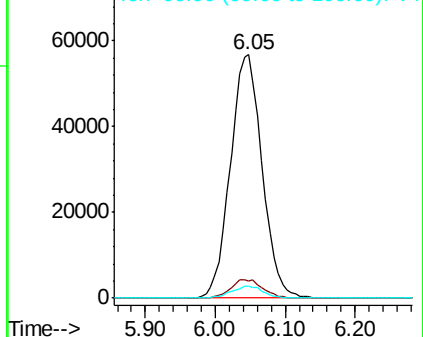
63 100

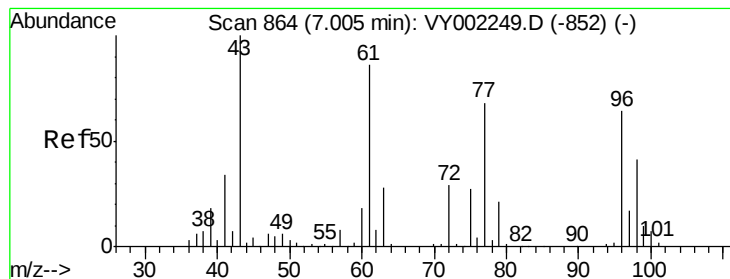
98 7.2 4.0 12.0

100 4.7 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: 273.690 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

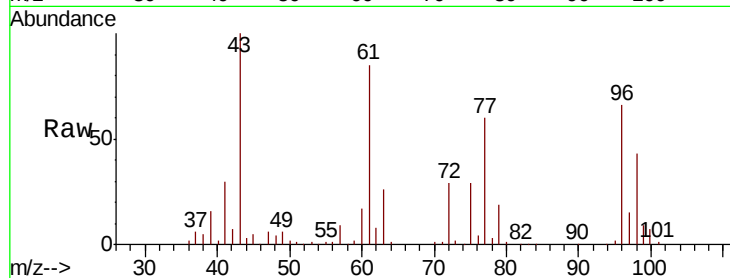
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 179869

Ion Ratio Lower Upper

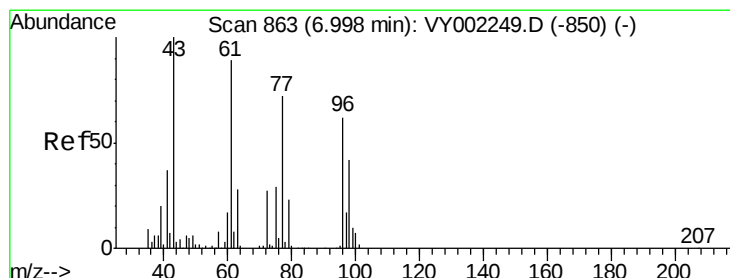
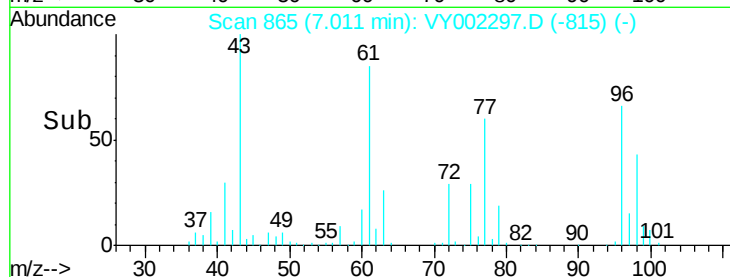
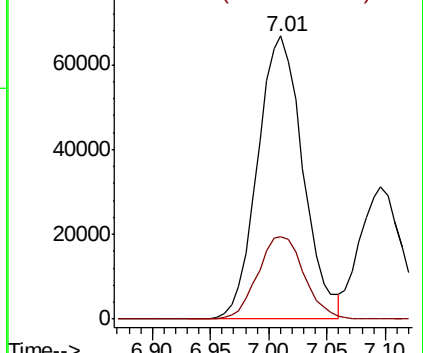
43 100

72 29.2 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 47.899 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002297.D

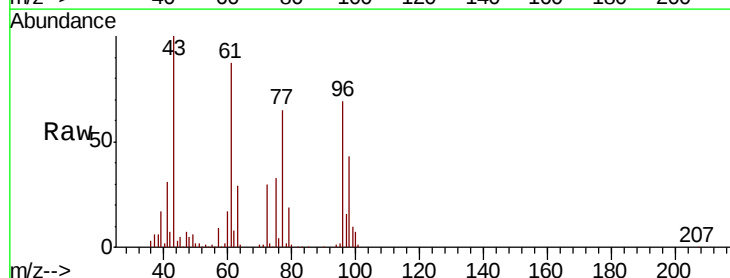
Acq: 13 Apr 2020 21:36

Tgt Ion: 77 Resp: 126795

Ion Ratio Lower Upper

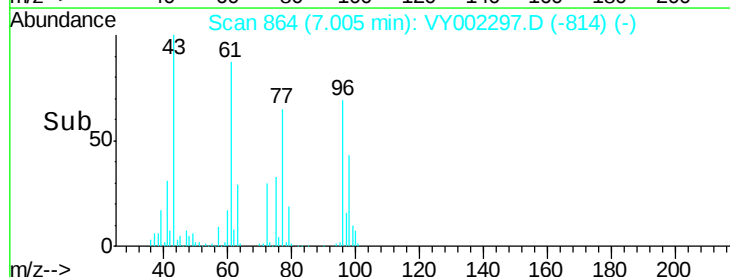
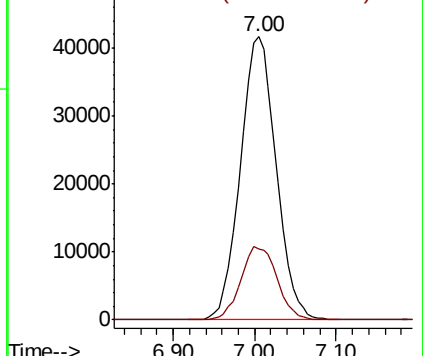
77 100

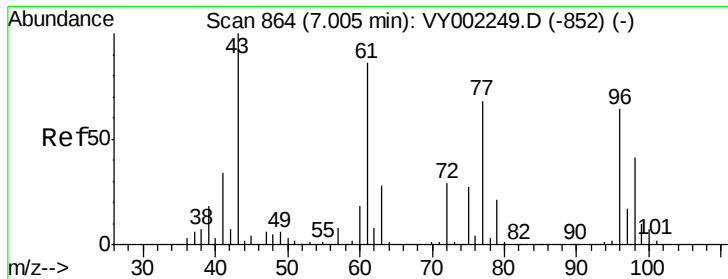
97 26.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



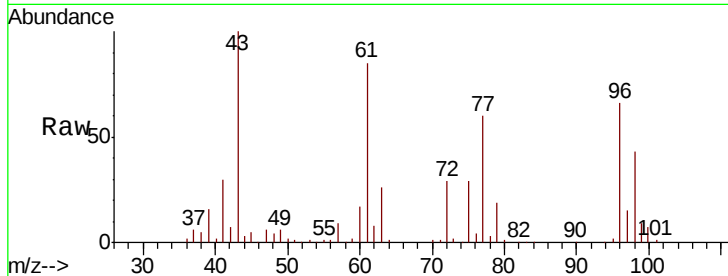


#27

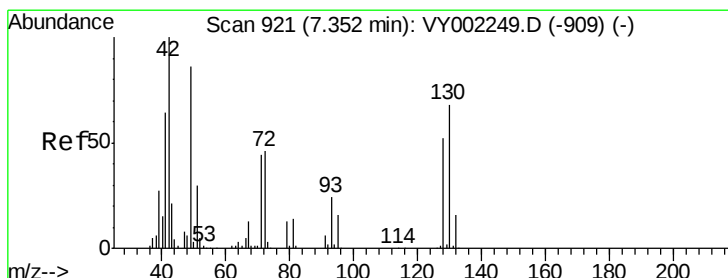
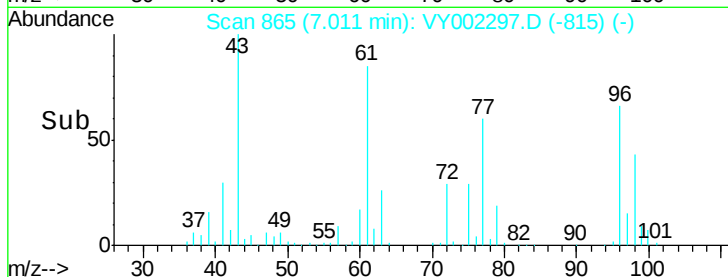
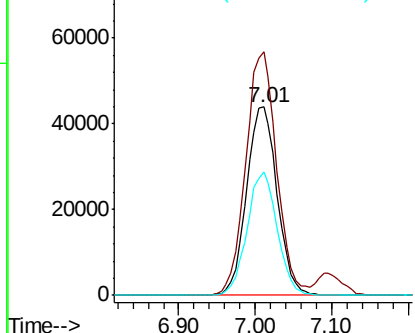
cis-1,2-Dichloroethene
Concen: 58.542 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 122629
Ion Ratio Lower Upper
96 100
61 130.6 0.0 278.0
98 64.4 0.0 128.6



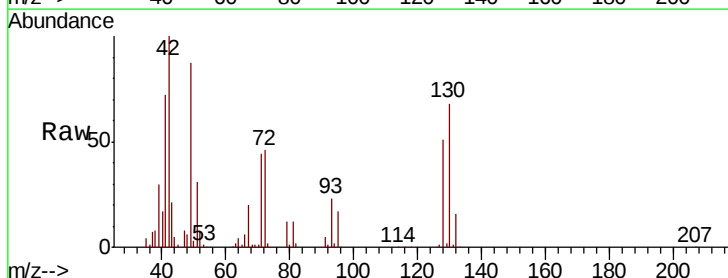
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



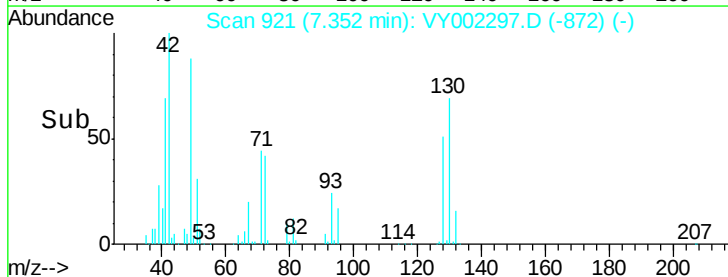
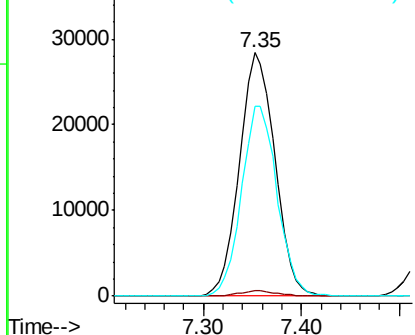
#28

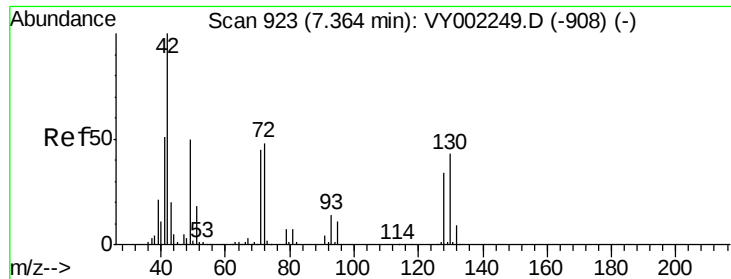
Bromochloromethane
Concen: 52.383 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 49 Resp: 71557
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 78.3 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

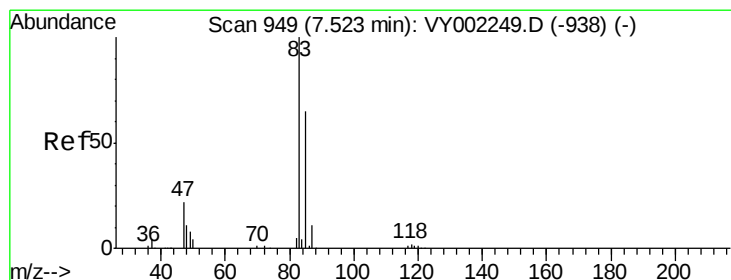
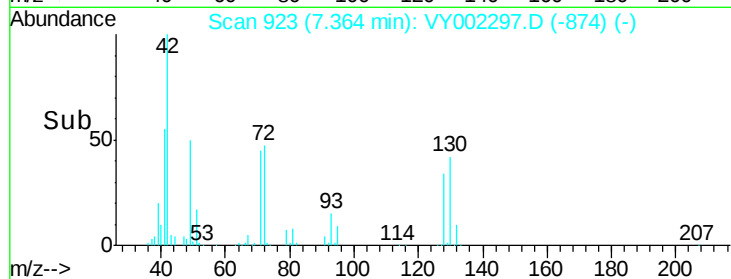
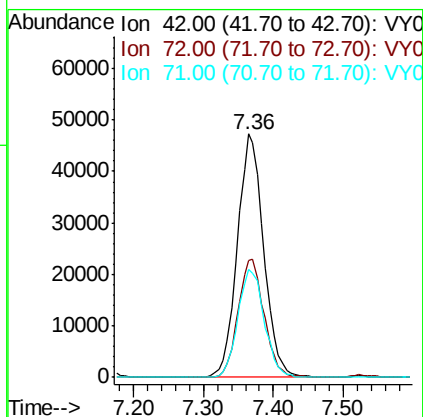
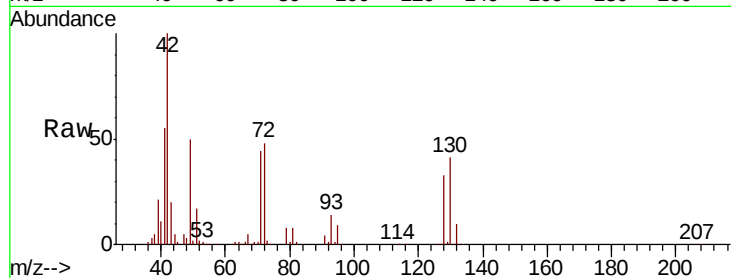




#29
Tetrahydrofuran
Concen: 284.086 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

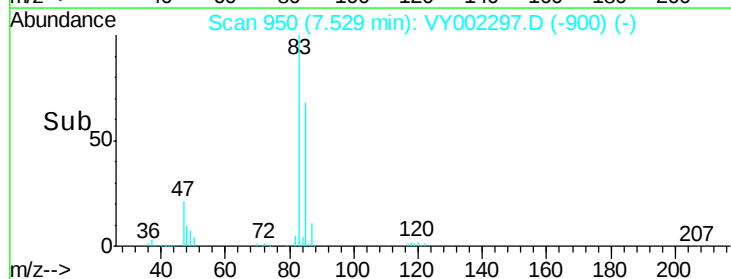
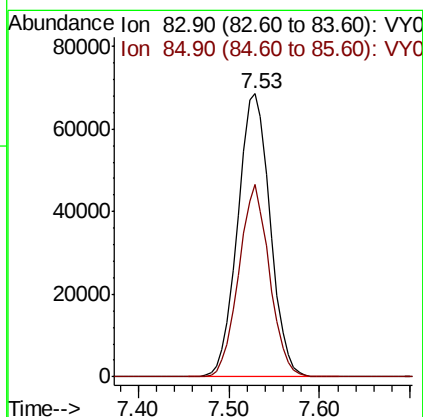
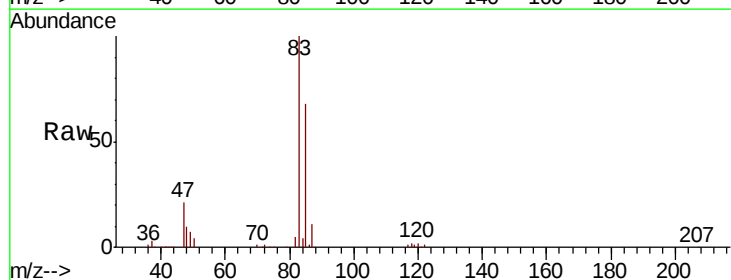
Instrument :
MSVOA_Y
ClientSampled :

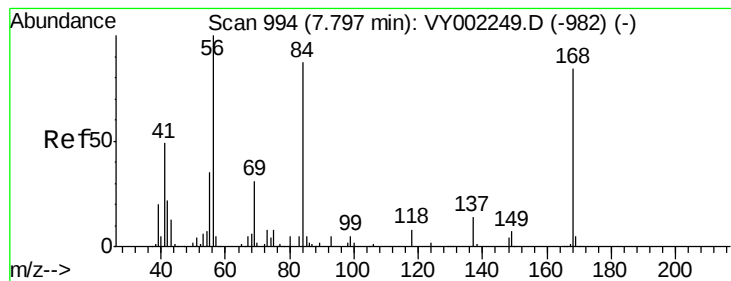
Tot Ion: 42 Resp: 123414
Ion Ratio Lower Upper
42 100
72 47.9 36.7 55.1
71 44.3 34.7 52.1



#30
Chloroform
Concen: 57.004 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 83 Resp: 170042
Ion Ratio Lower Upper
83 100
85 67.8 52.0 78.0





#31

Cyclohexane

Concen: 50.724 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampled :

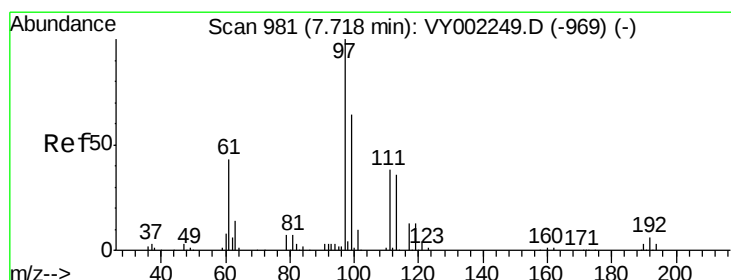
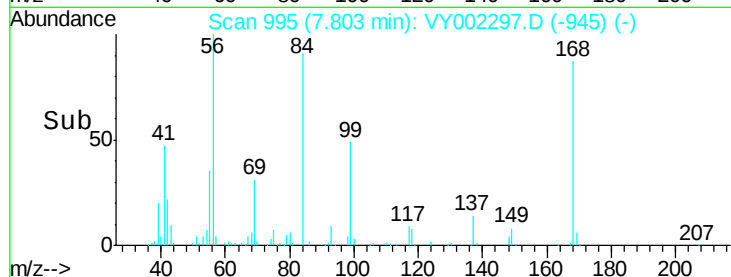
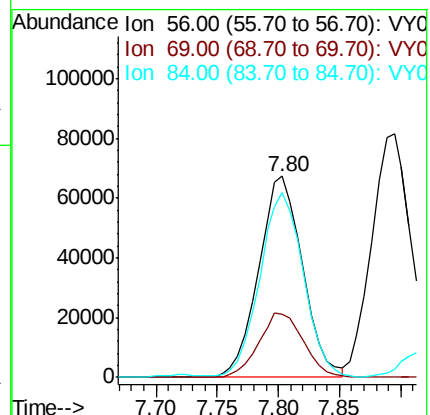
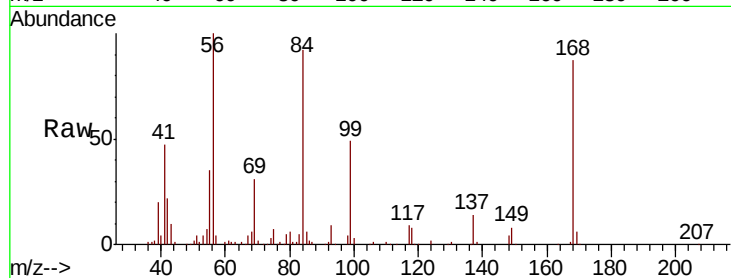
Tot Ion: 56 Resp: 168489

Ion Ratio Lower Upper

56 100

69 31.4 25.0 37.6

84 90.6 69.7 104.5



#32

1,1,1-Trichloroethane

Concen: 54.459 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

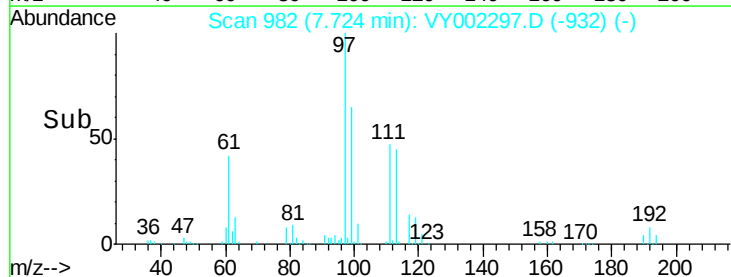
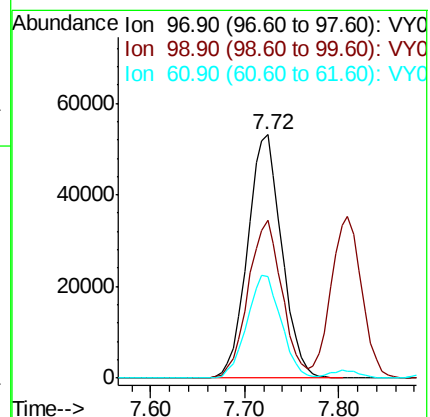
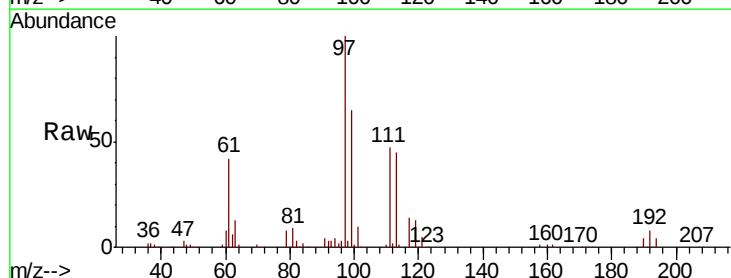
Tgt Ion: 97 Resp: 135215

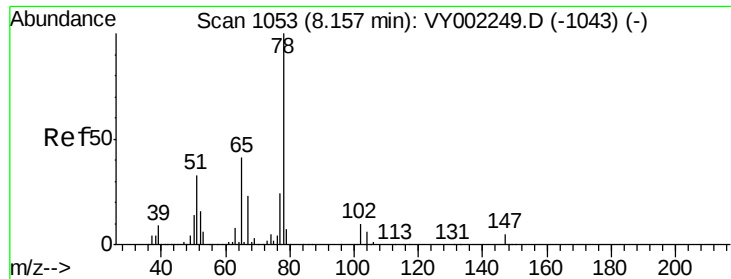
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 42.2 34.3 51.5

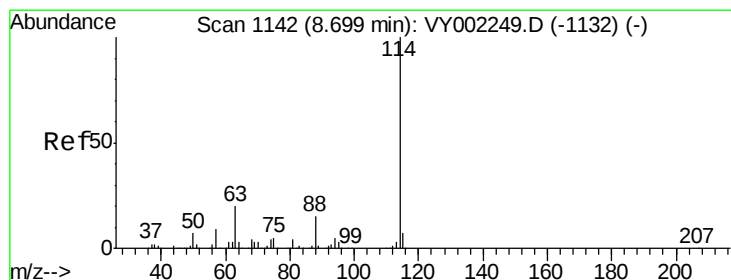
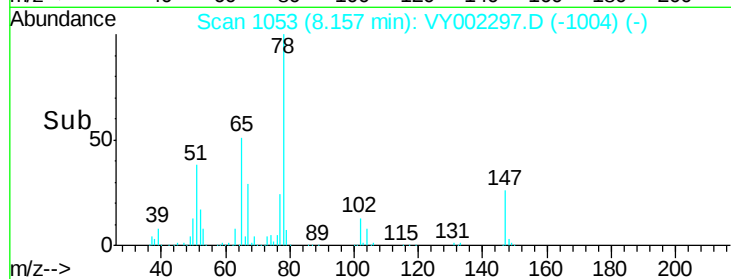
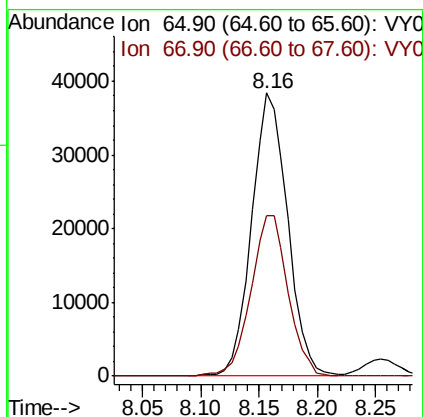
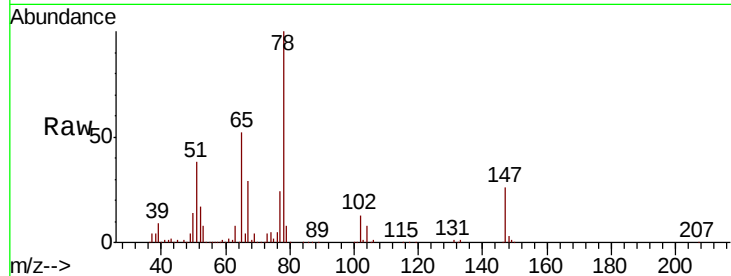




#33
 1,2-Dichloroethane-d4
 Concen: 52.384 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

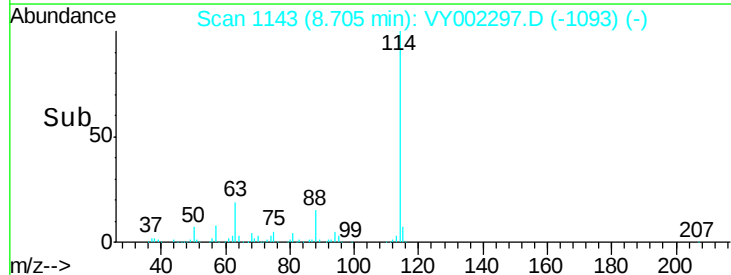
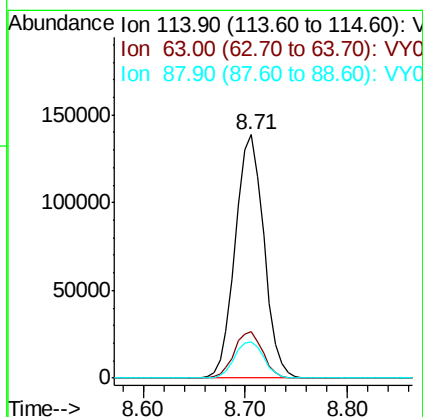
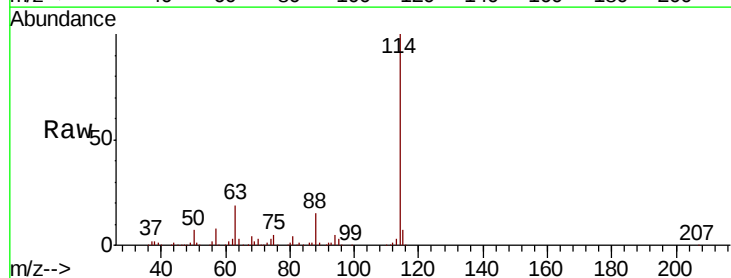
Instrument :
 MSVOA_Y
 ClientSampleId :

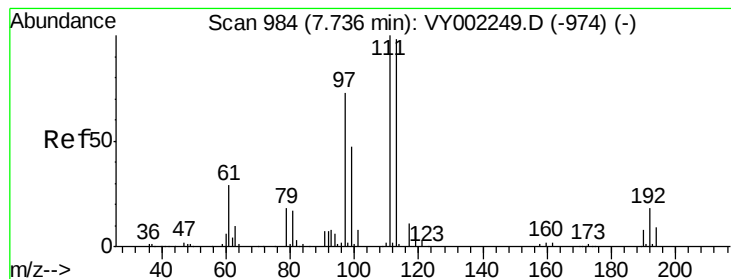
Tot Ion: 65 Resp: 82595
 Ion Ratio Lower Upper
 65 100
 67 58.7 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion: 114 Resp: 268946
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 53.085 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :

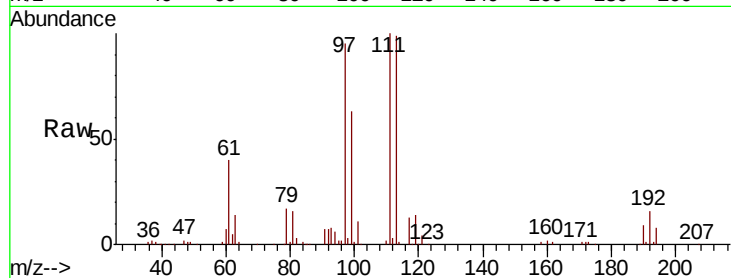
Tot Ion:113 Resp: 84953

Ion Ratio Lower Upper

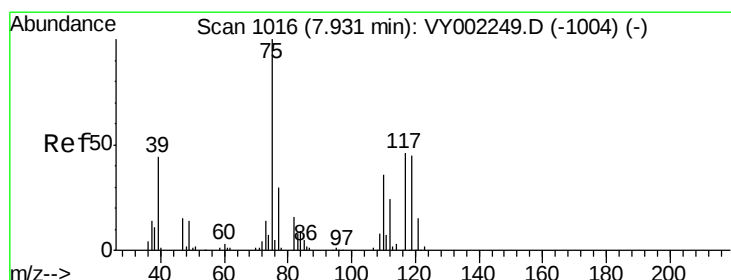
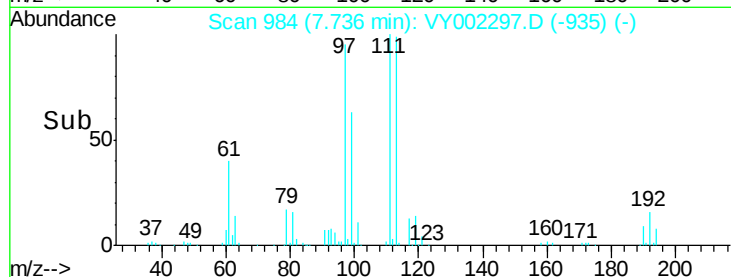
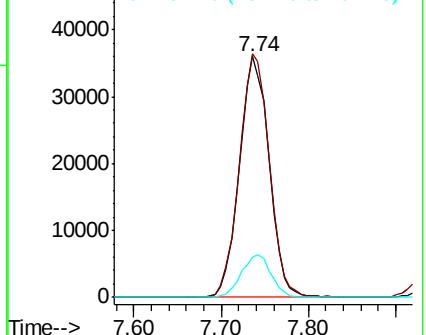
113 100

111 101.8 83.5 125.3

192 17.6 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: 50.967 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

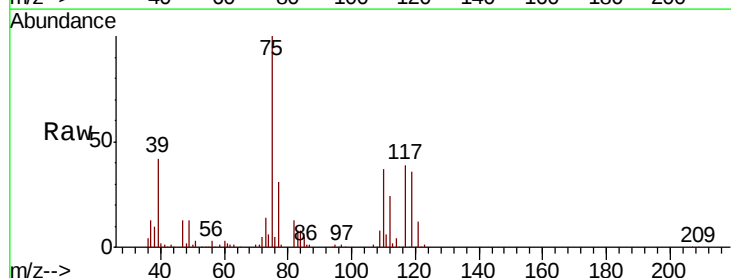
Tgt Ion: 75 Resp: 135016

Ion Ratio Lower Upper

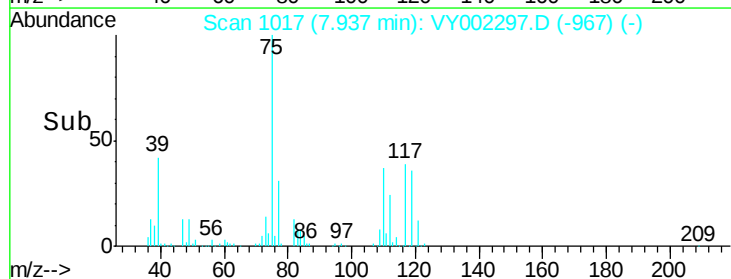
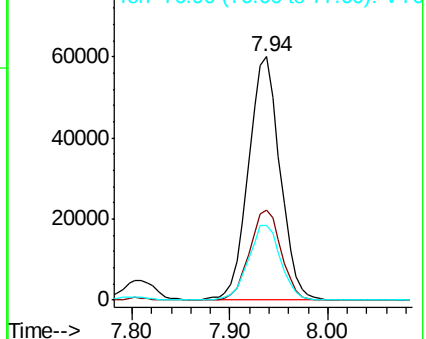
75 100

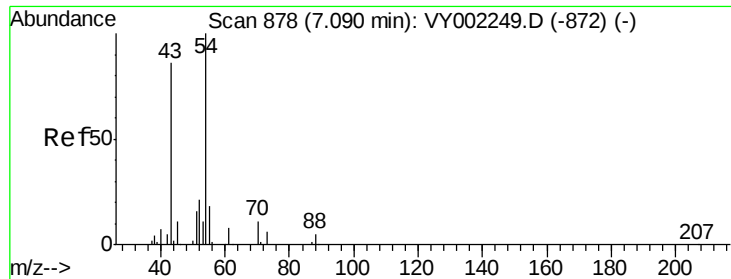
110 37.1 17.8 53.3

77 31.4 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

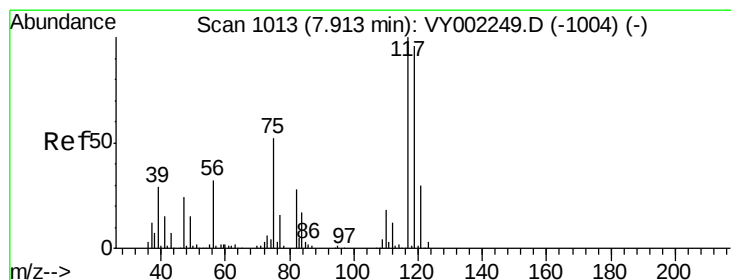
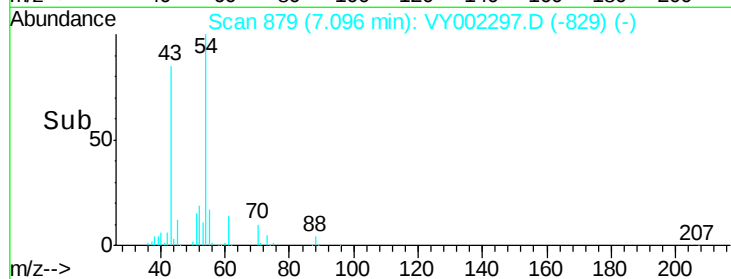
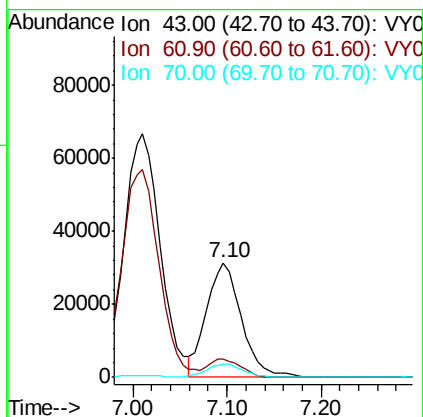
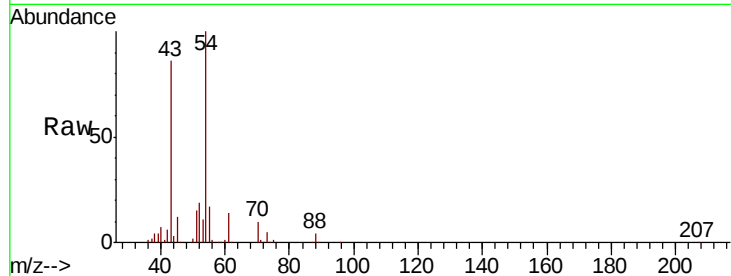




#37
Ethyl Acetate
Concen: 53.536 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

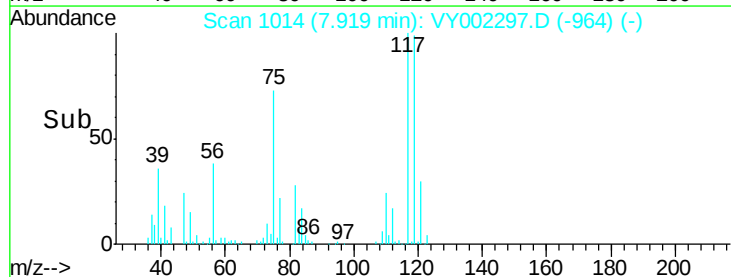
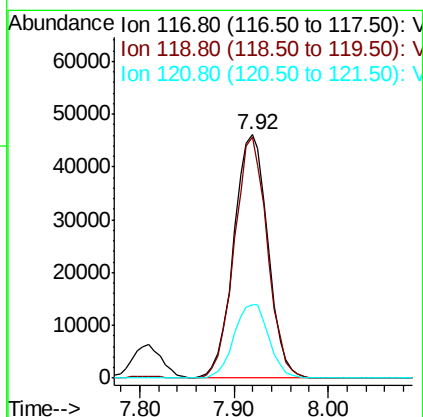
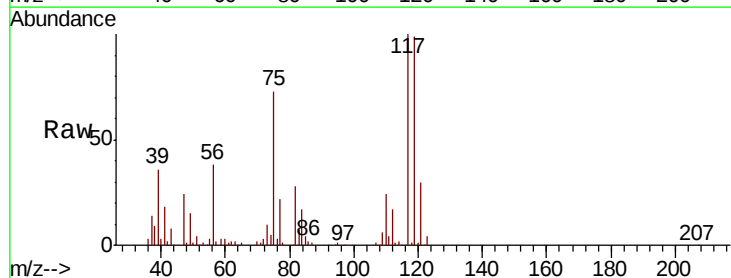
Instrument :
MSVOA_Y
ClientSampled :

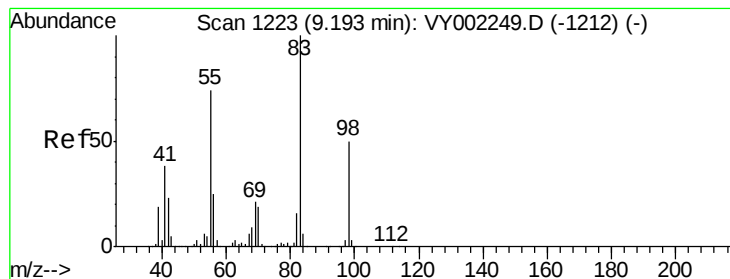
Tot Ion: 43 Resp: 81019
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 12.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 51.336 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 117 Resp: 116324
Ion Ratio Lower Upper
117 100
119 99.1 77.1 115.7
121 29.9 23.9 35.9





#39

Methvlcvclohexane

Concen: 50.171 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampled :

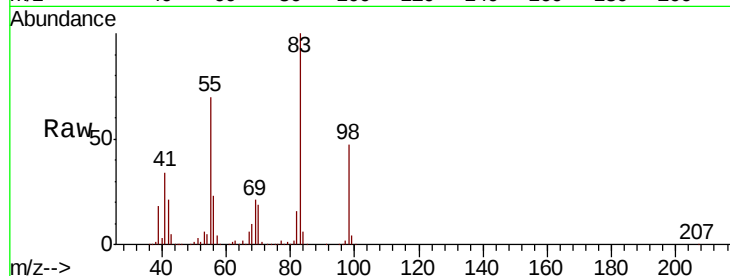
Tot Ion: 83 Resp: 180796

Ion Ratio Lower Upper

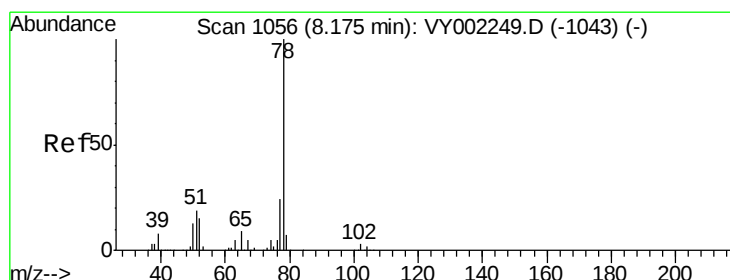
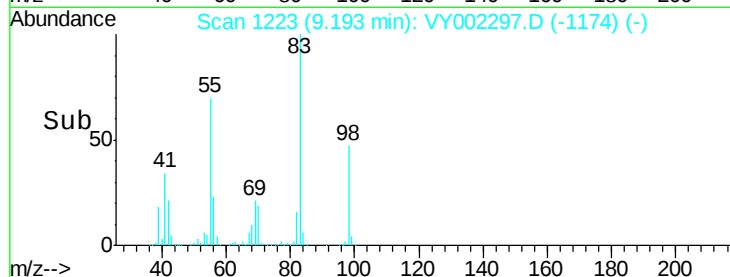
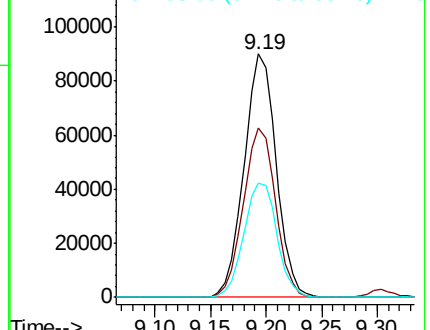
83 100

55 69.8 59.3 88.9

98 47.1 39.6 59.4



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



#40

Benzene

Concen: 54.380 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VY002297.D

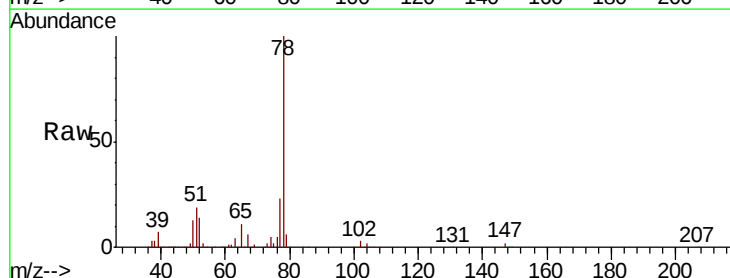
Acq: 13 Apr 2020 21:36

Tgt Ion: 78 Resp: 437064

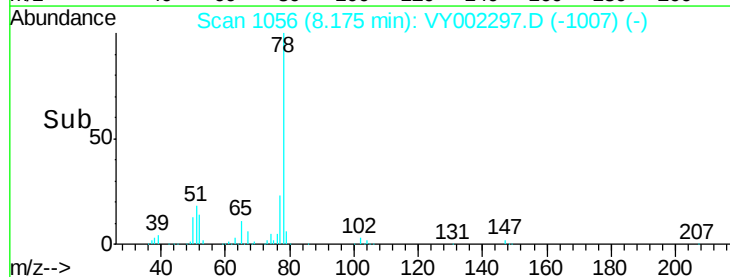
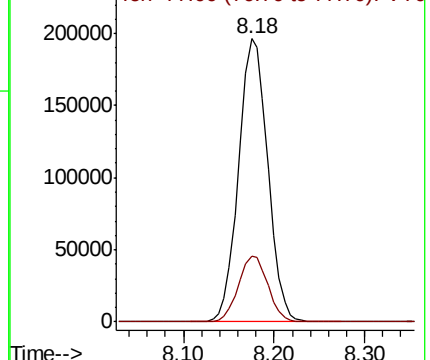
Ion Ratio Lower Upper

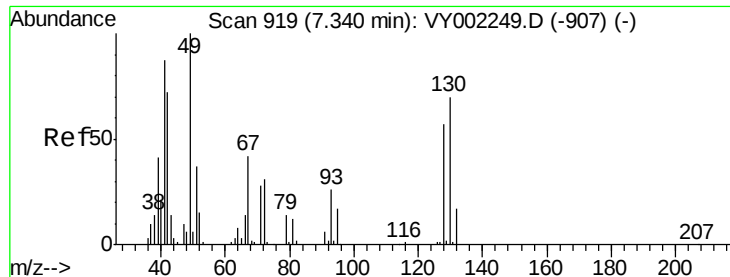
78 100

77 23.4 18.9 28.3



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

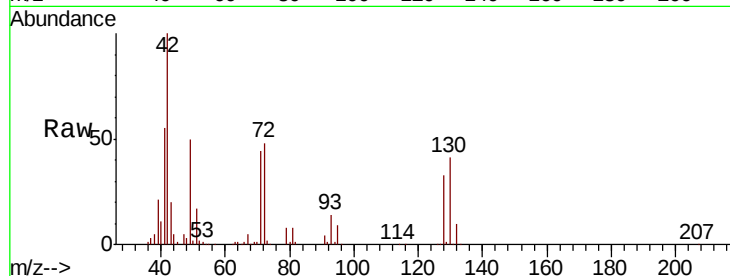




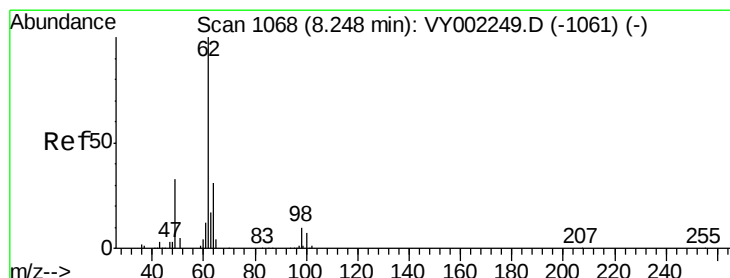
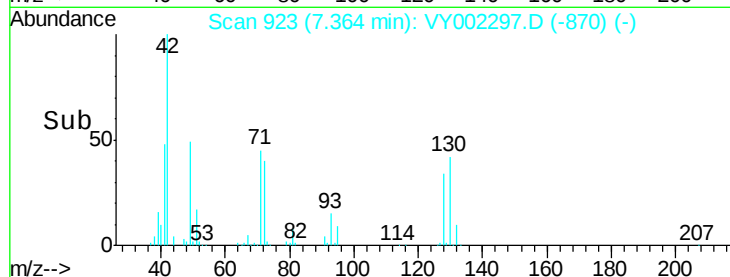
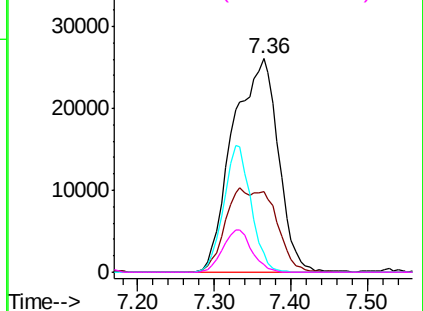
#41
Methacrylonitrile
Concen: 120.377 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.03 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	107467
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

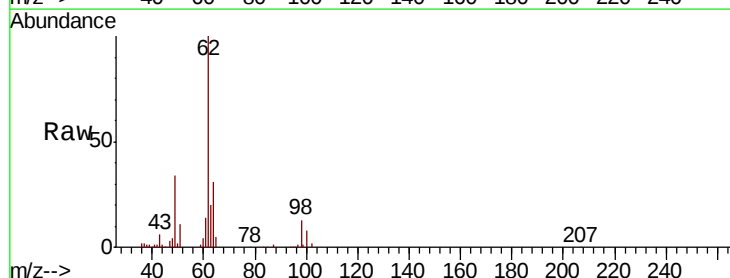


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

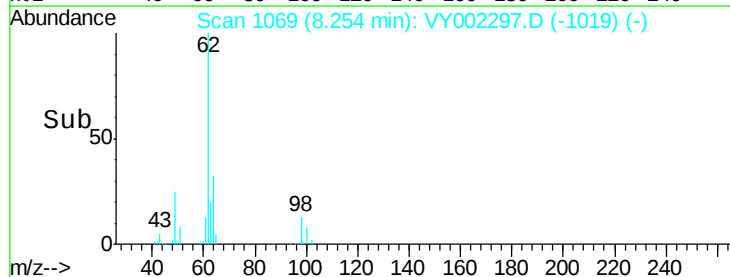
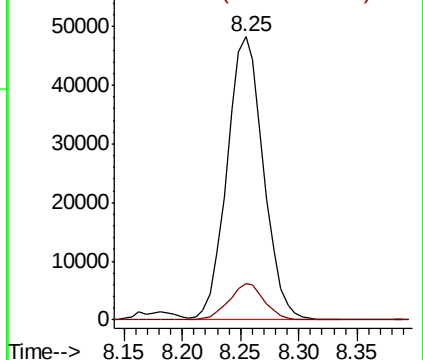


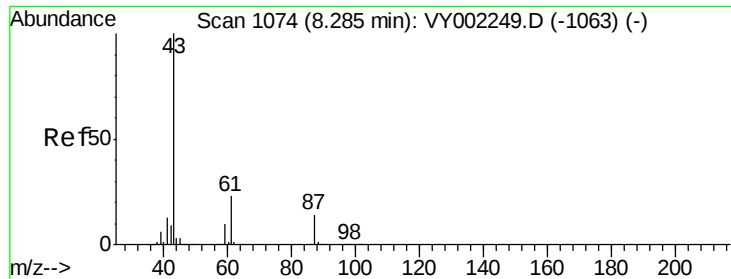
#42
1,2-Dichloroethane
Concen: 52.671 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion:	62	Resp:	104866
Ion	Ratio	Lower	Upper
62	100		
98	12.3	0.0	22.6



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



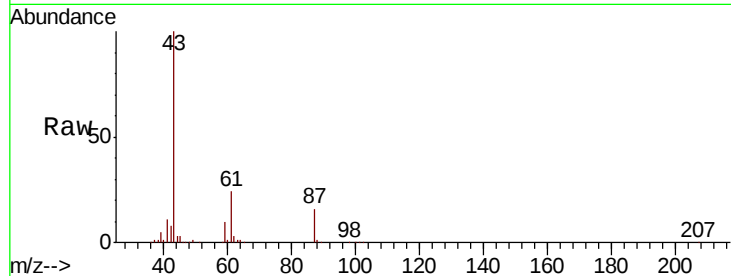


#43

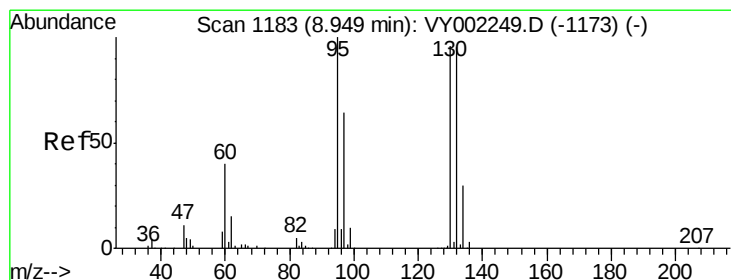
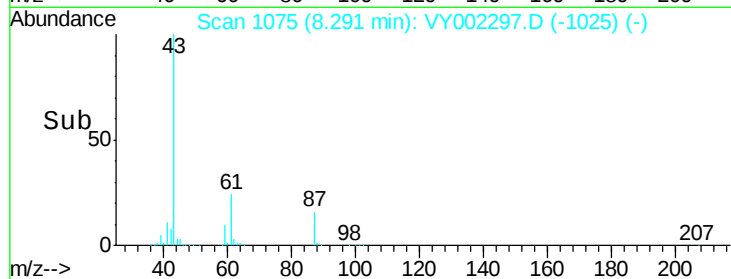
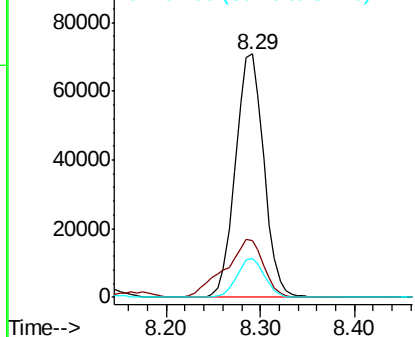
Isopropyl Acetate
 Concen: 54.089 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	43	Resp	149289
Ion Ratio	Lower	Upper	
43	100		
61	32.0	24.9	37.3
87	15.6	11.7	17.5



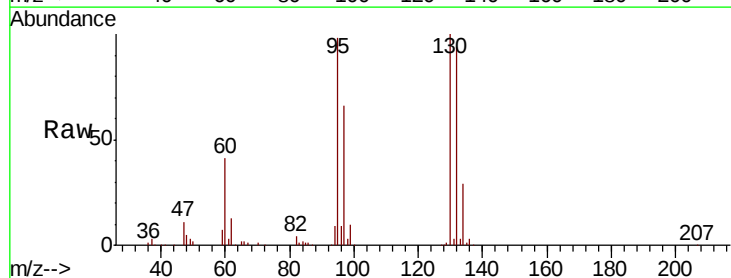
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



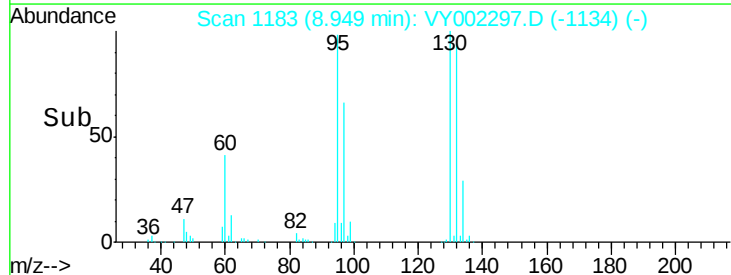
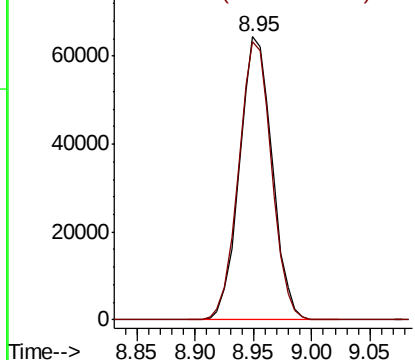
#44

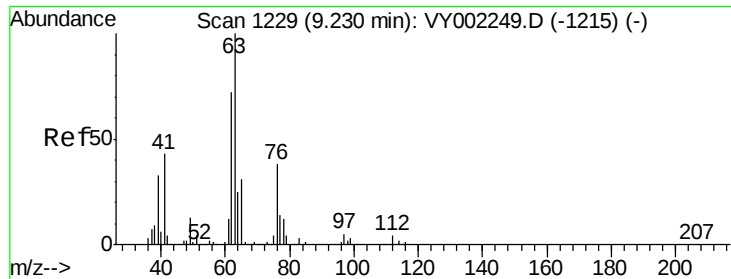
Trichloroethene
 Concen: 53.457 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	130	Resp	126320
Ion Ratio	Lower	Upper	
130	100		
95	98.2	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: 54.952 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

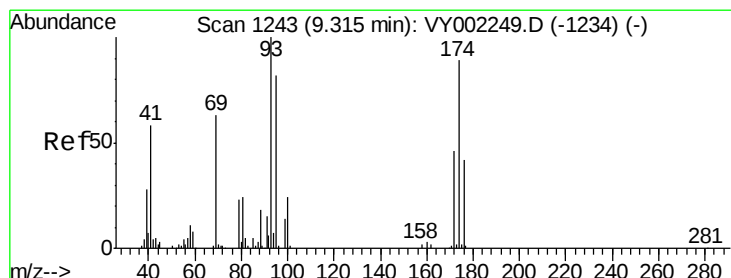
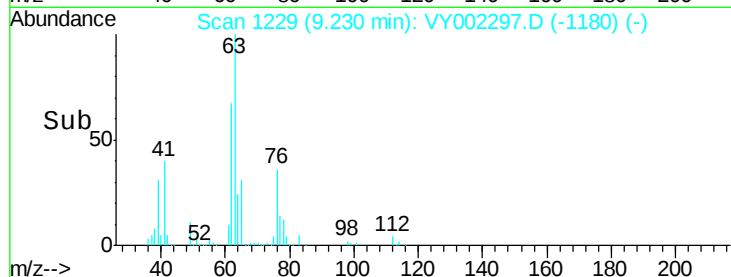
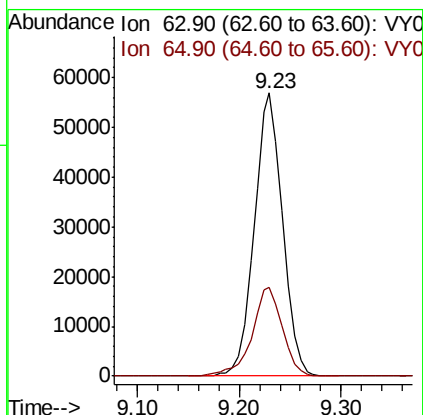
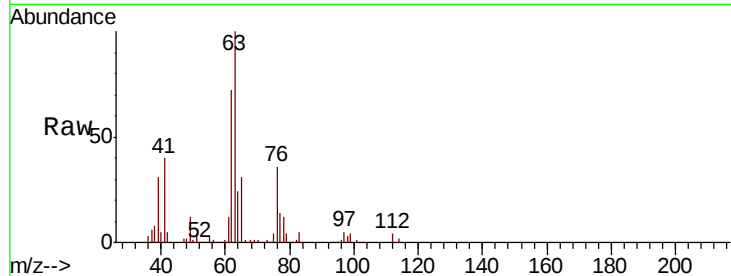
ClientSampleId :

Tot Ion: 63 Resp: 109586

Ion Ratio Lower Upper

63 100

65 31.5 24.6 37.0



#46

Dibromomethane

Concen: 55.756 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

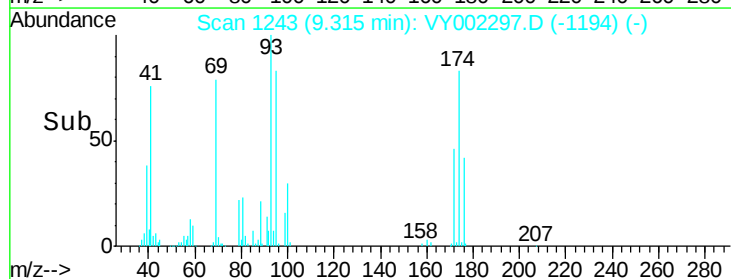
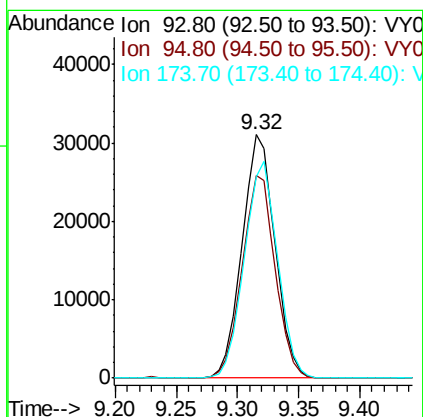
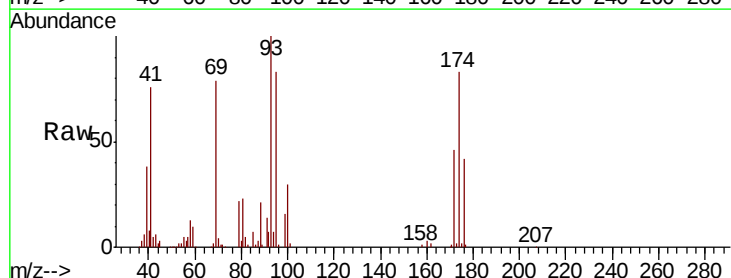
Tgt Ion: 93 Resp: 58136

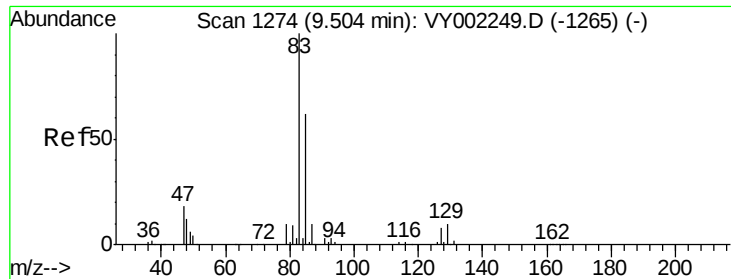
Ion Ratio Lower Upper

93 100

95 83.5 67.3 100.9

174 89.7 72.5 108.7

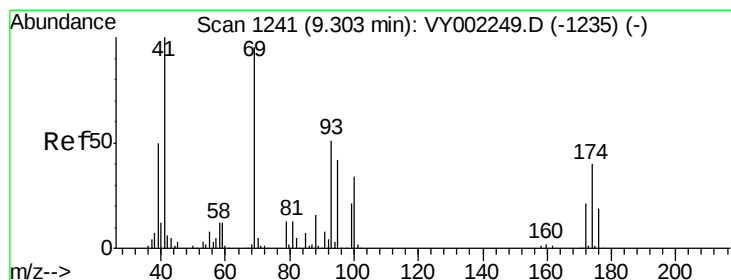
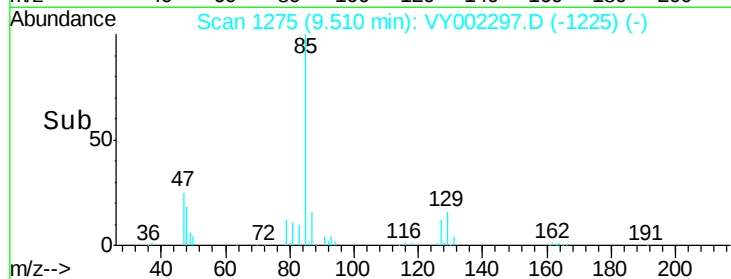
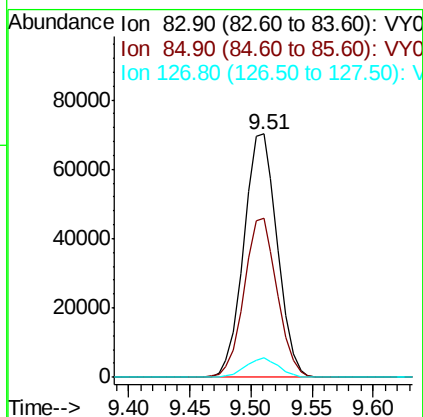
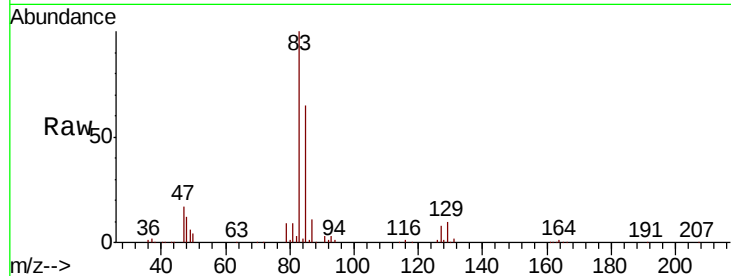




#47
Bromodichloromethane
Concen: 55.723 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

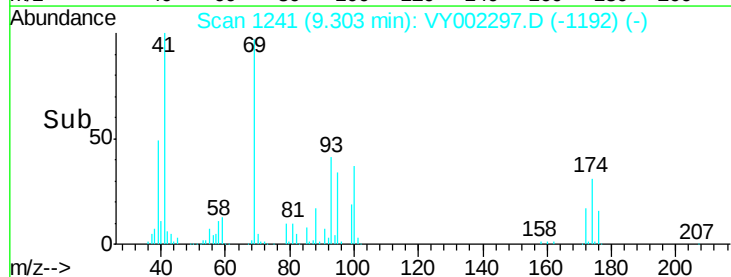
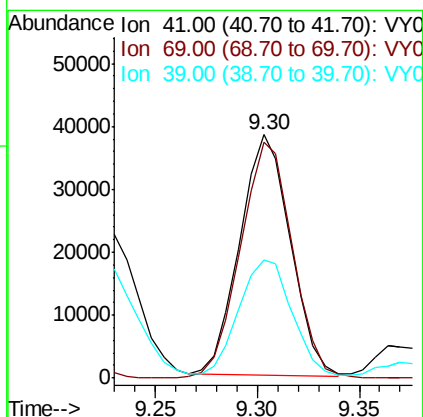
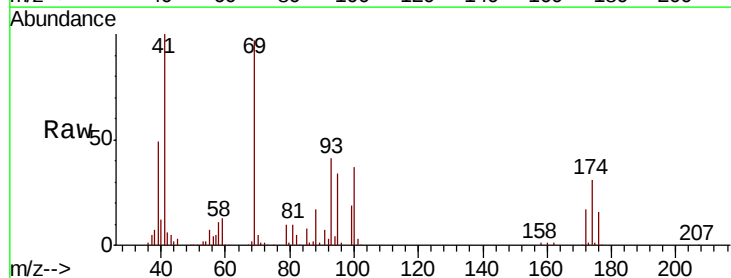
Instrument :
MSVOA_Y
ClientSampleId :

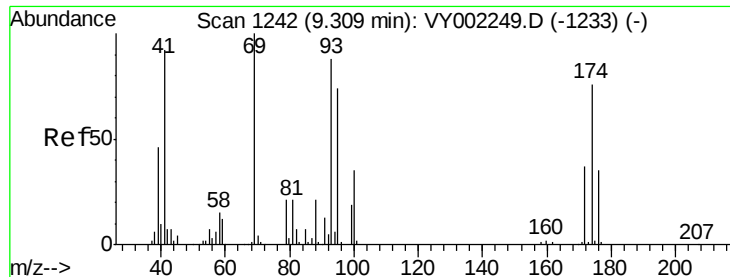
Tot Ion: 83 Resp: 133316
Ion Ratio Lower Upper
83 100
85 65.3 49.7 74.5
127 8.1 6.2 9.4



#48
Methyl methacrylate
Concen: 53.248 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 41 Resp: 65899
Ion Ratio Lower Upper
41 100
69 101.3 76.7 115.1
39 53.0 40.5 60.7

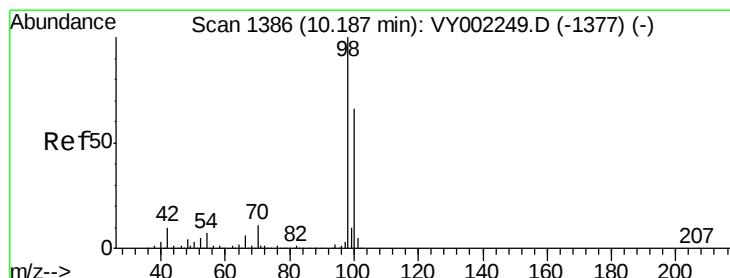
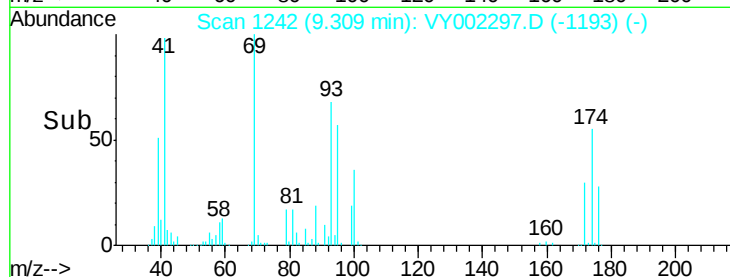
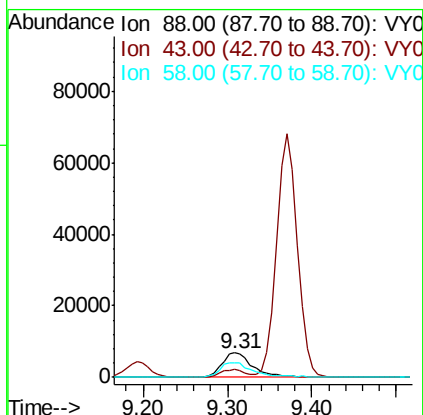
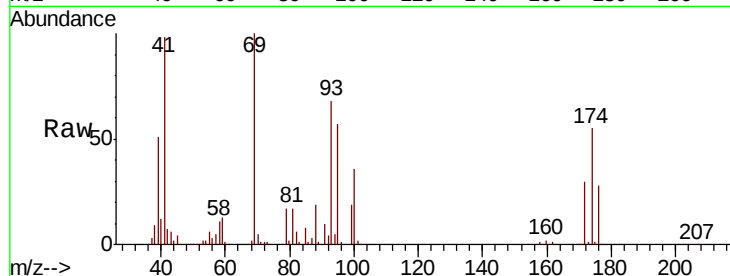




#49
 1,4-Dioxane
 Concen: 1165.138 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

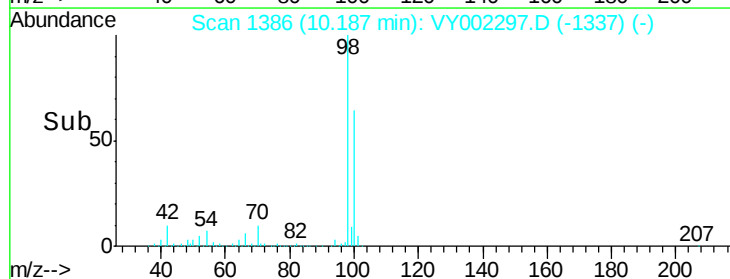
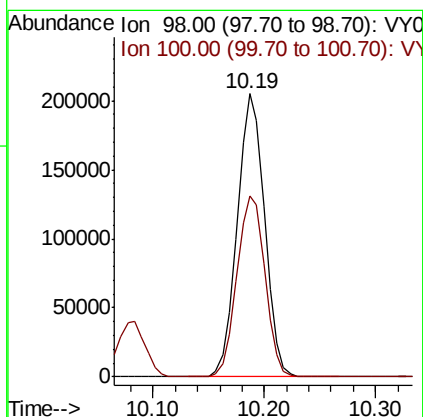
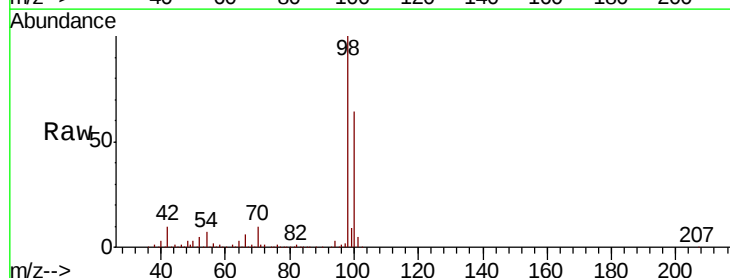
Instrument :
 MSVOA_Y
 ClientSampleId :

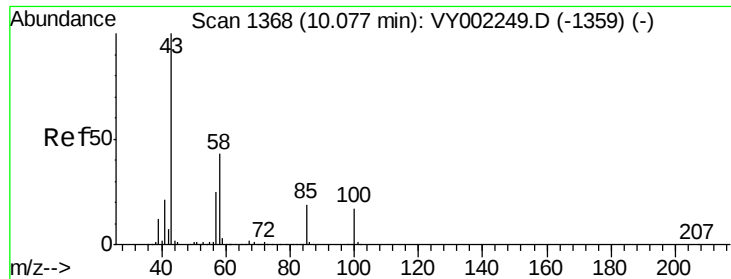
Tot Ion: 88 Resp: 17185
 Ion Ratio Lower Upper
 88 100
 43 24.6 22.2 33.2
 58 64.4 57.6 86.4



#50
 Toluene-d8
 Concen: 51.789 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion: 98 Resp: 346896
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 274.262 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

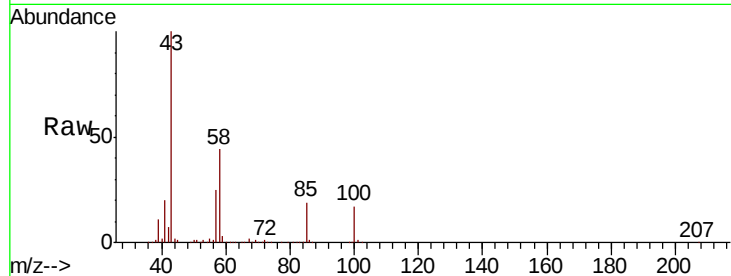
ClientSampled :

Tot Ion: 43 Resp: 394446

Ion Ratio Lower Upper

43 100

58 43.8 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VY002297.D (-1319) (-)

Ion 58.00 (57.70 to 58.70): VY002297.D (-1319) (-)

10.08

250000

200000

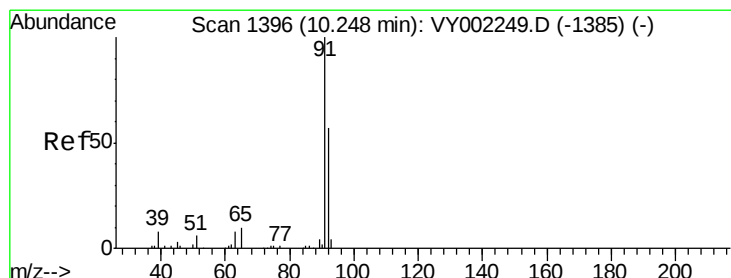
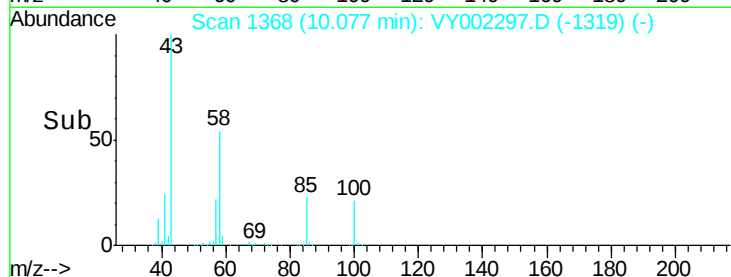
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 54.899 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002297.D

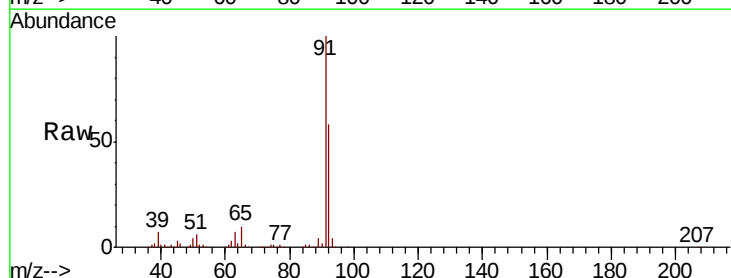
Acq: 13 Apr 2020 21:36

Tgt Ion: 92 Resp: 265913

Ion Ratio Lower Upper

92 100

91 171.4 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VY002297.D (-1347) (-)

Ion 91.00 (90.70 to 91.70): VY002297.D (-1347) (-)

300000

250000

200000

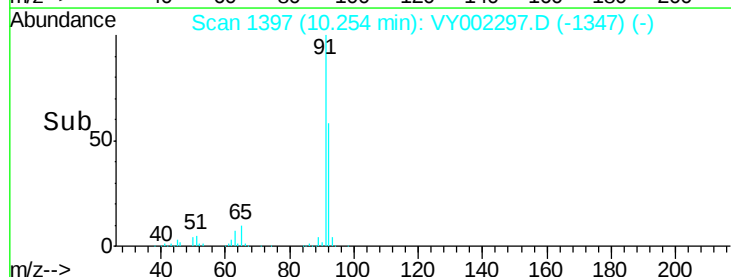
150000

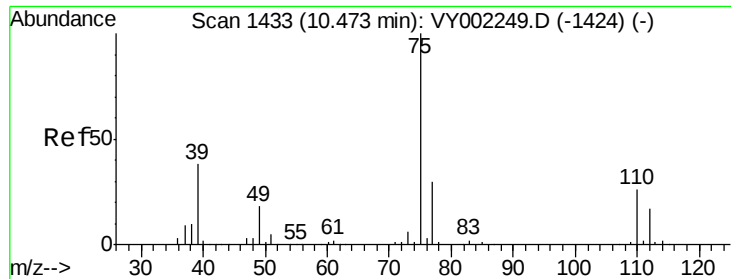
100000

50000

0

Time-->

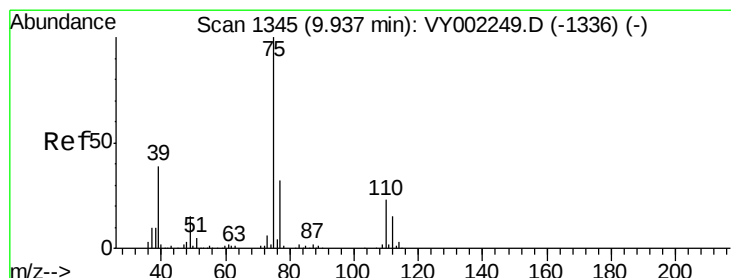
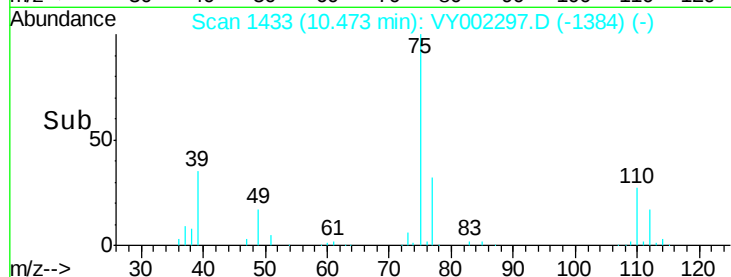
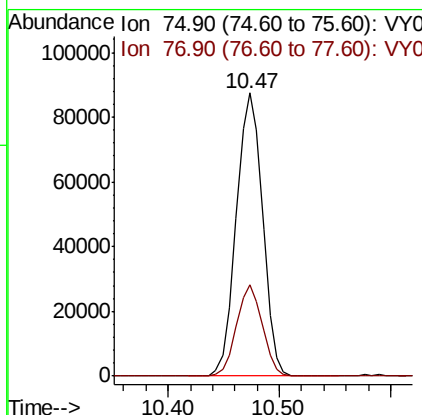
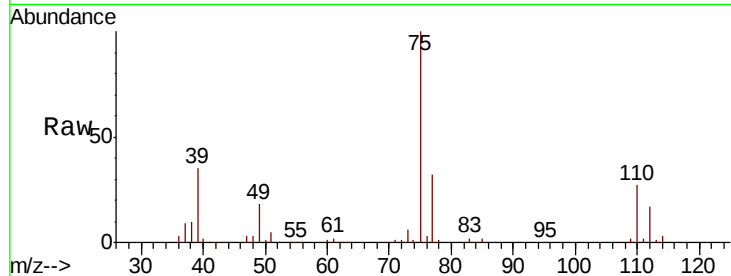




#53
t-1,3-Dichloropropene
Concen: 54.866 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

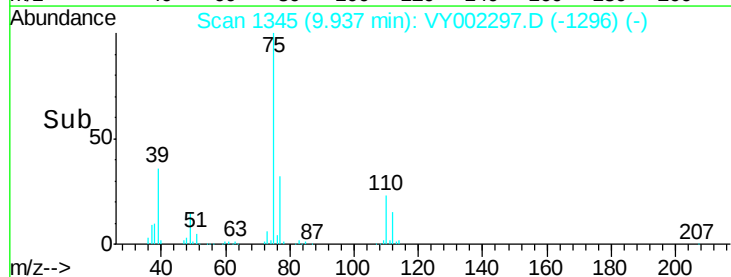
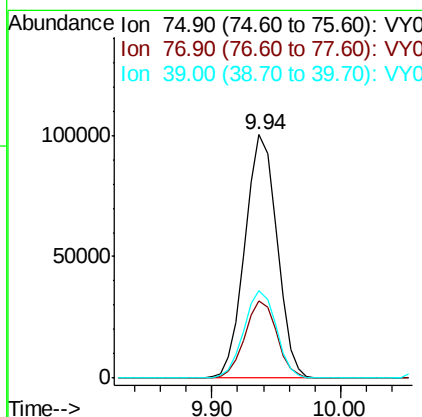
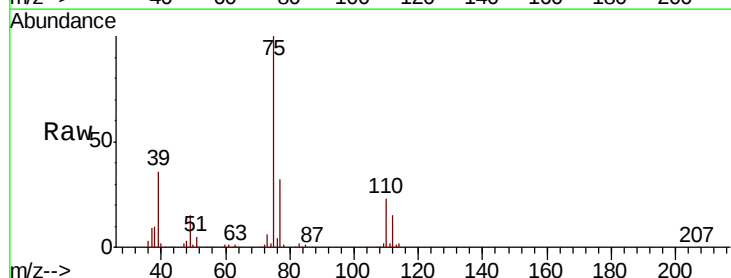
Instrument :
MSVOA_Y
ClientSampleId :

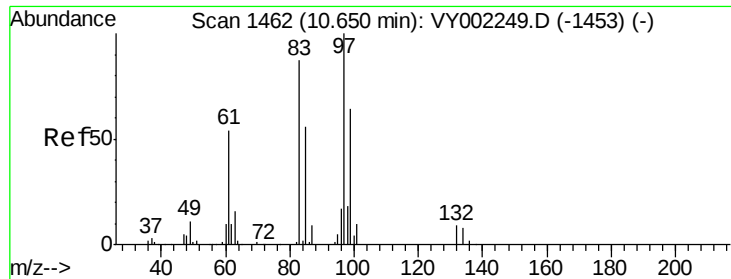
Tot Ion: 75 Resp: 143018
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.2



#54
cis-1,3-Dichloropropene
Concen: 54.941 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 75 Resp: 172177
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 36.0 30.8 46.2

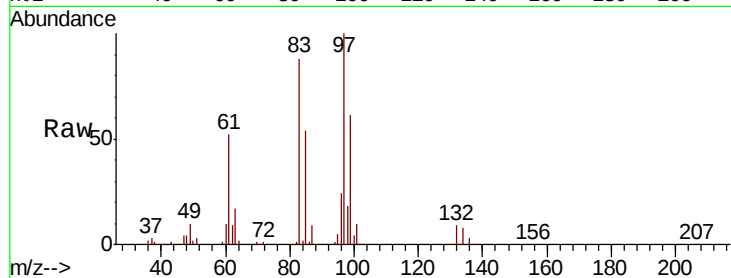




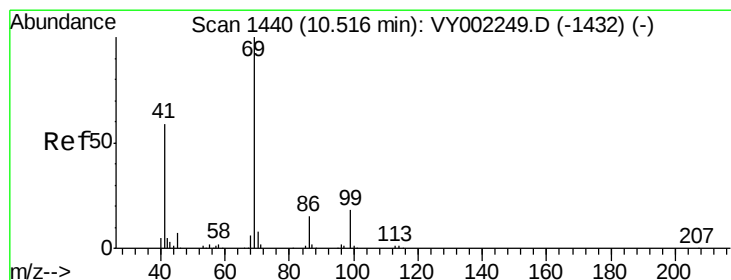
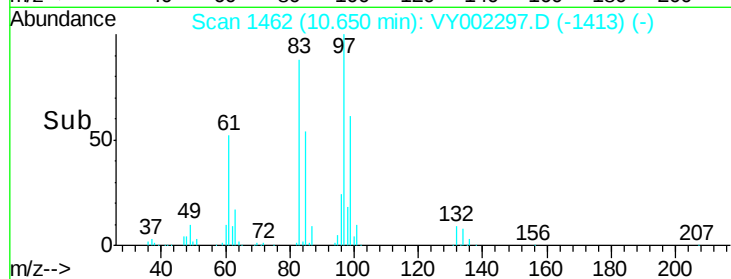
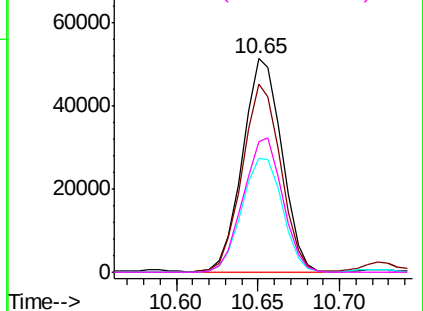
#55
 1,1,2-Trichloroethane
 Concen: 56.270 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	97	Resp:	85898
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.5	104.3
85	53.7	45.2	67.8
99	61.4	50.9	76.3

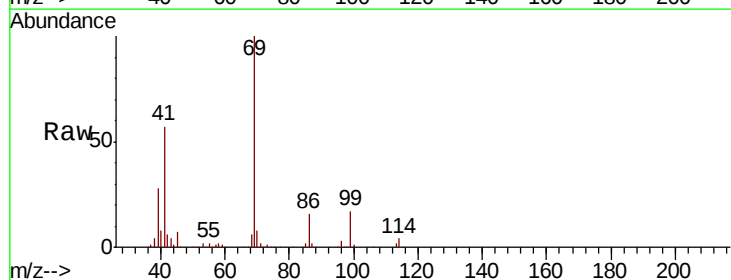


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

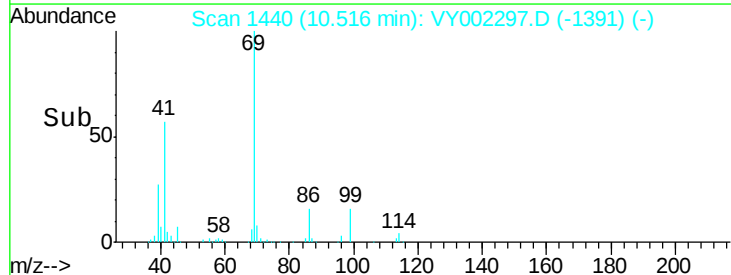
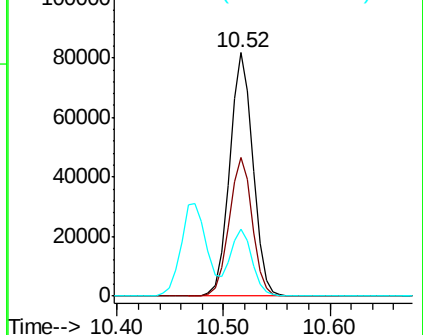


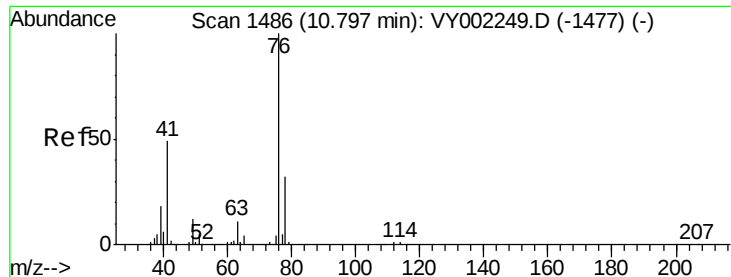
#56
 Ethyl methacrylate
 Concen: 57.425 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion:	69	Resp:	125114
Ion	Ratio	Lower	Upper
69	100		
41	56.0	47.9	71.9
39	25.7	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





#57

1,3-Dichloropropane

Concen: 55.835 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

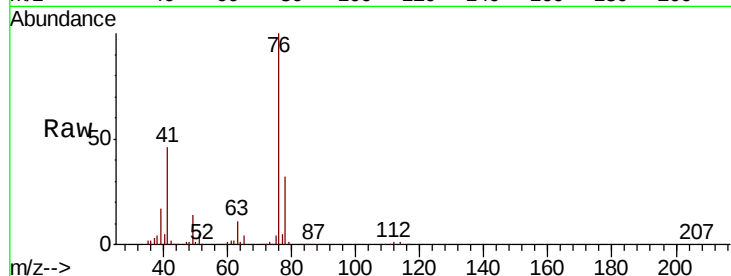
ClientSampled :

Tot Ion: 76 Resp: 149816

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

10.80

80000

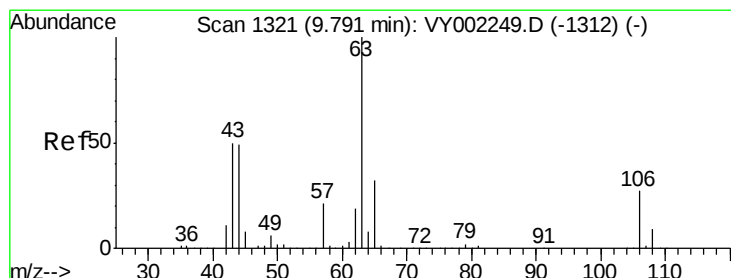
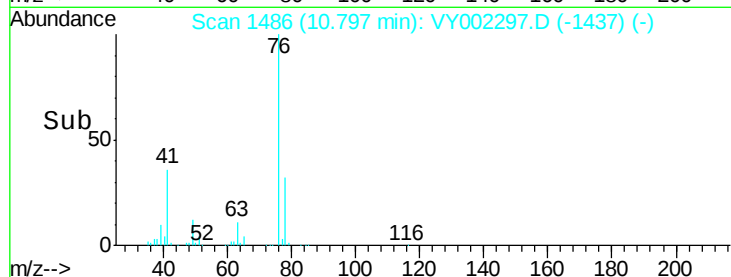
60000

40000

20000

0

Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 267.337 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY002297.D

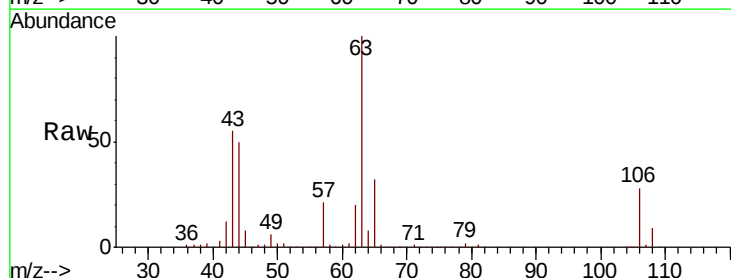
Acq: 13 Apr 2020 21:36

Tgt Ion: 63 Resp: 301624

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.79

200000

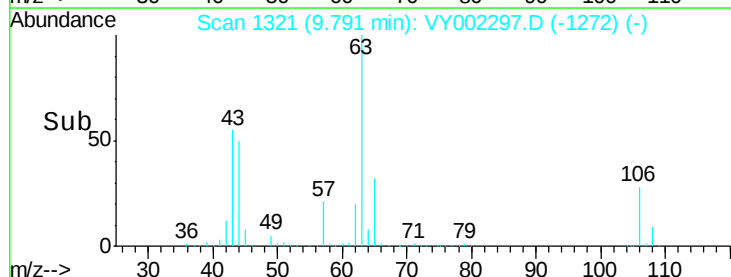
150000

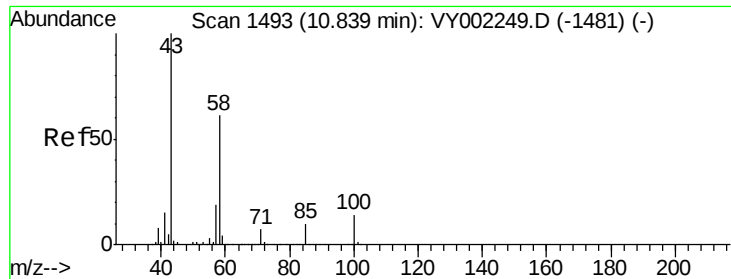
100000

50000

0

Time--> 9.70 9.80 9.90

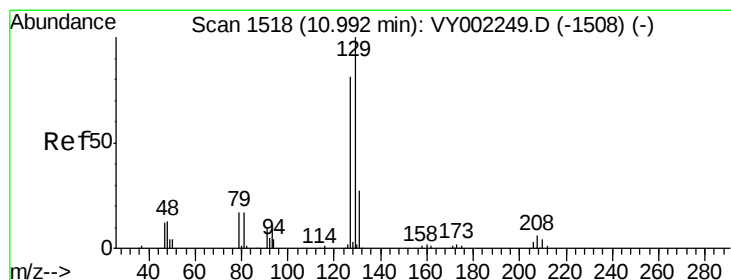
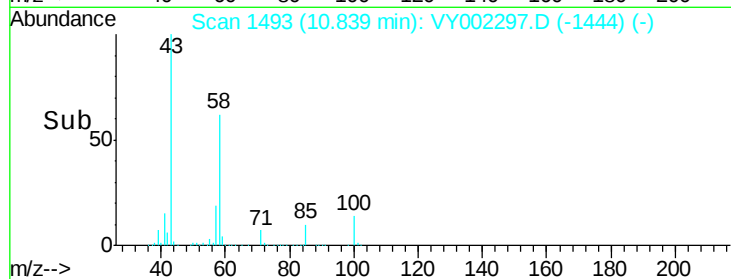
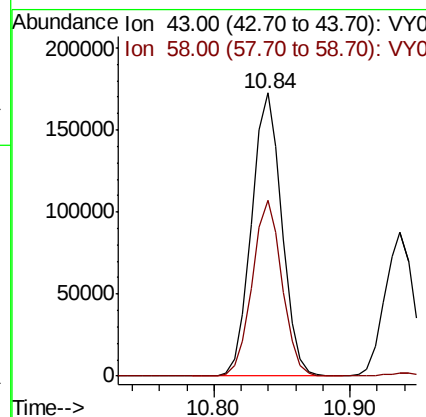
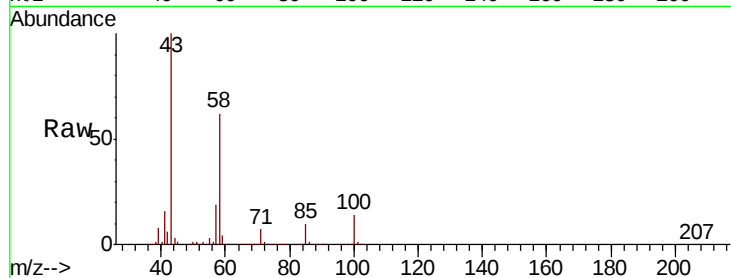




#59
2-Hexanone
Concen: 269.430 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

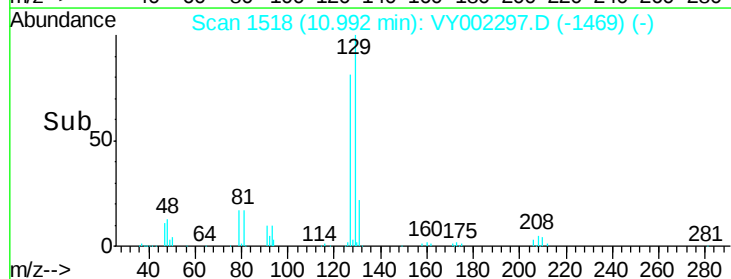
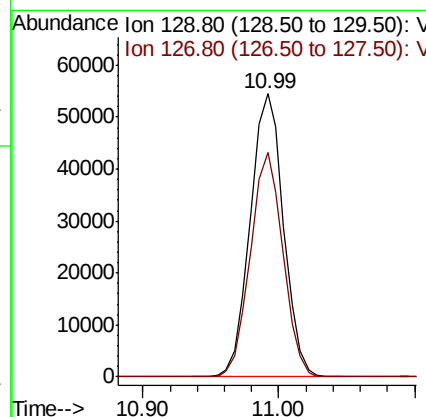
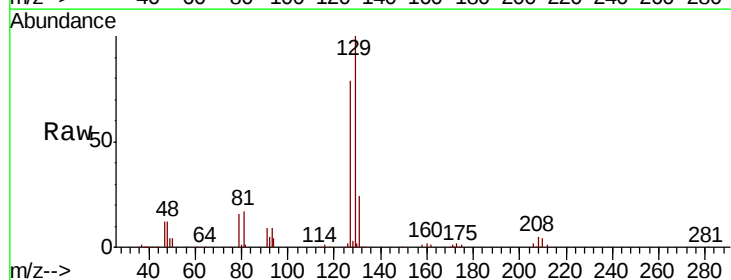
Instrument :
MSVOA_Y
ClientSampleId :

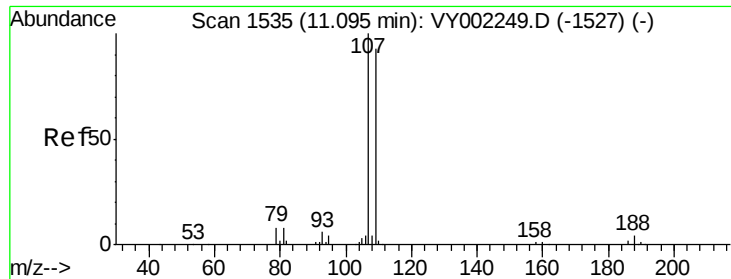
Tot Ion: 43 Resp: 268933
Ion Ratio Lower Upper
43 100
58 61.1 29.8 89.3



#60
Dibromochloromethane
Concen: 57.352 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 129 Resp: 93355
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0

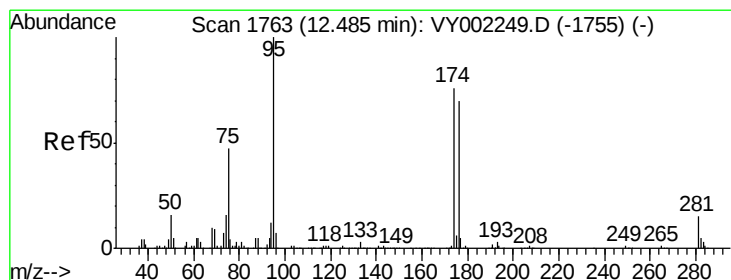
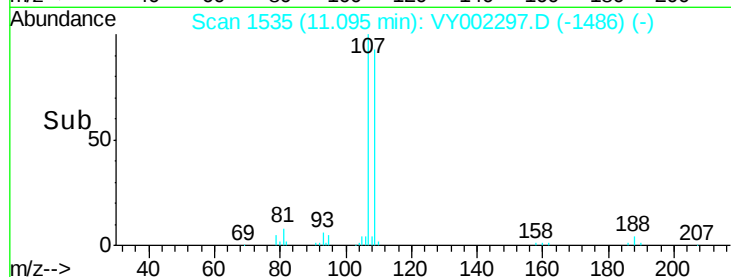
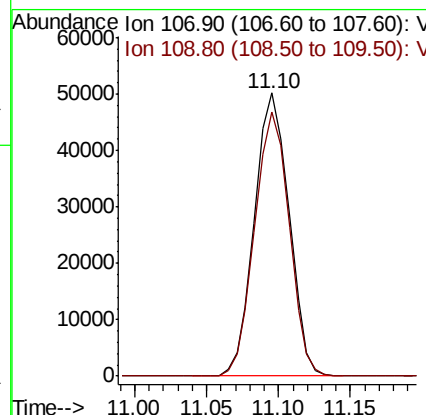
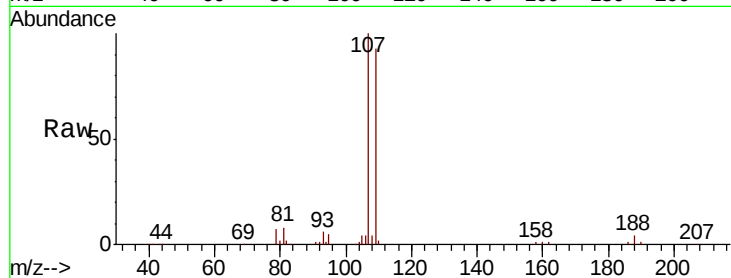




#61
 1,2-Dibromoethane
 Concen: 57.371 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

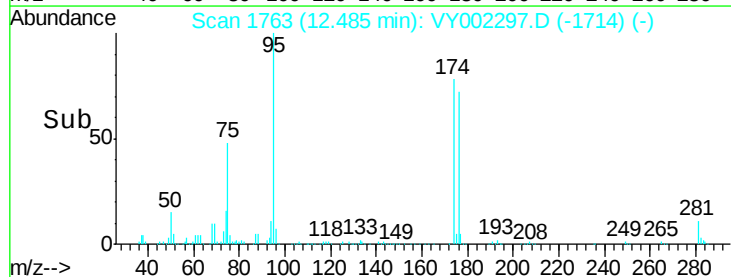
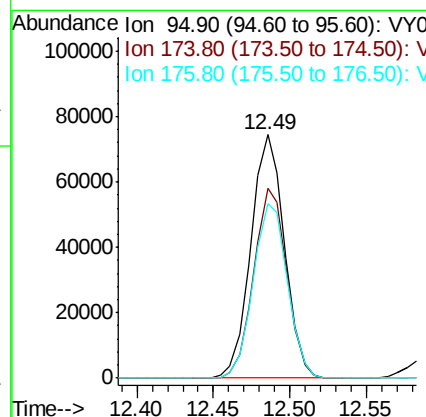
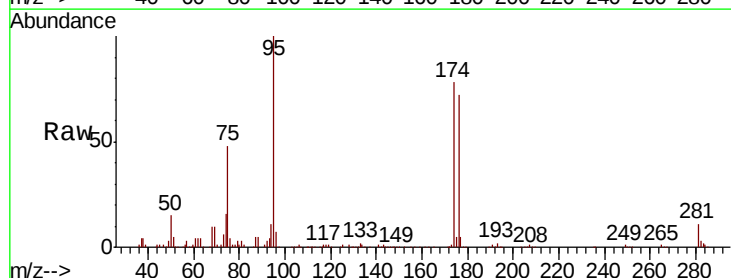
Instrument :
 MSVOA_Y
 ClientSampled :

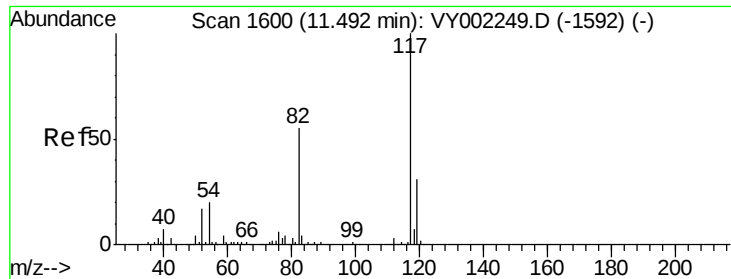
Tot Ion:107 Resp: 83376
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.207 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion: 95 Resp: 113159
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 150.6
 176 73.4 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: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

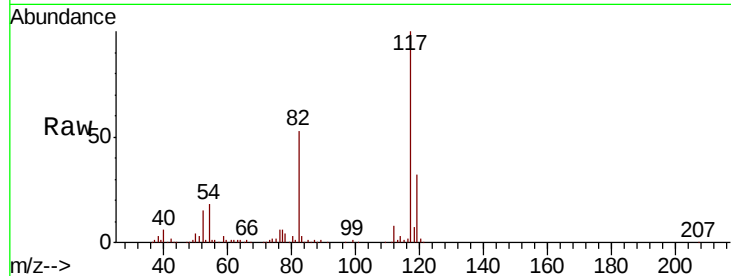
Tot Ion:117 Resp: 246150

Ion Ratio Lower Upper

117 100

82 53.0 44.2 66.4

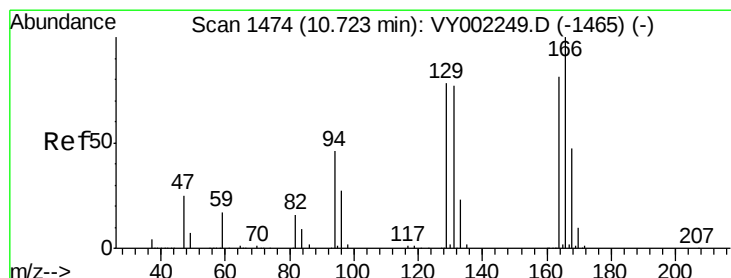
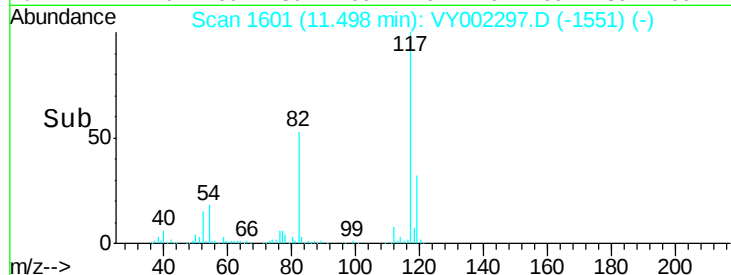
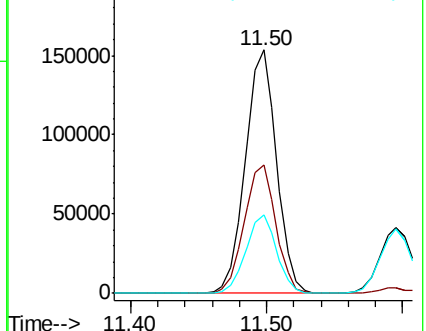
119 32.2 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 53.221 ug/l

RT: 10.72 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Tgt Ion:164 Resp: 132448

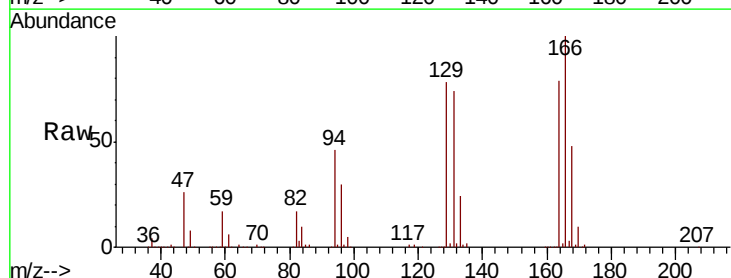
Ion Ratio Lower Upper

164 100

166 126.7 98.4 147.6

129 98.4 76.6 115.0

131 93.4 75.4 113.2

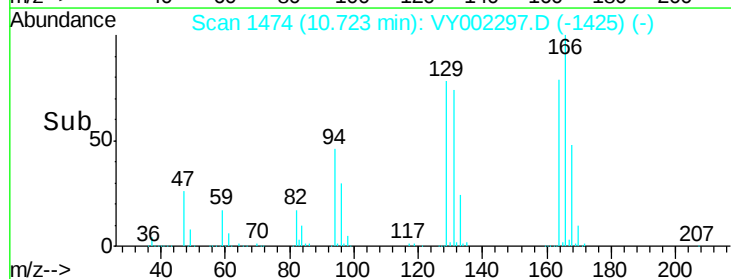
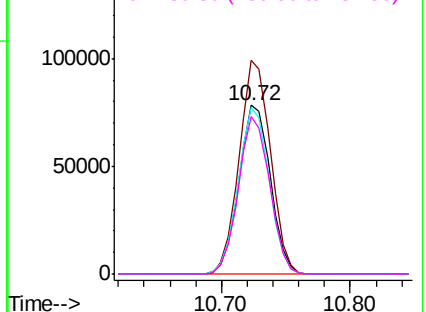


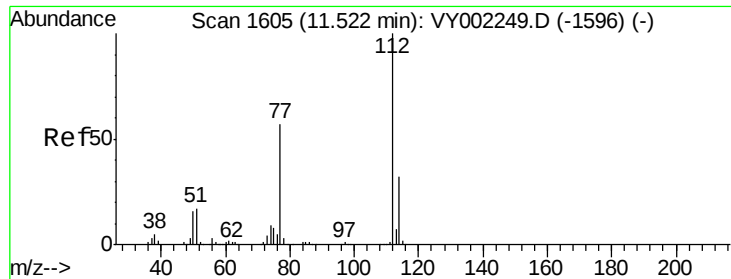
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

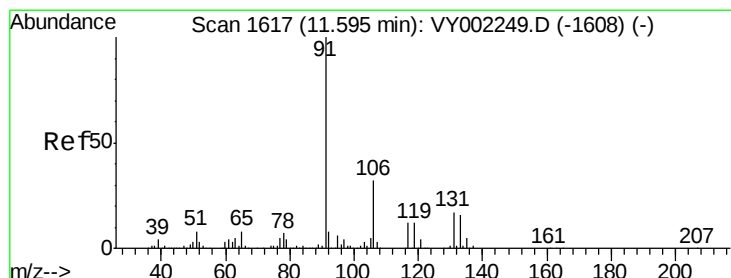
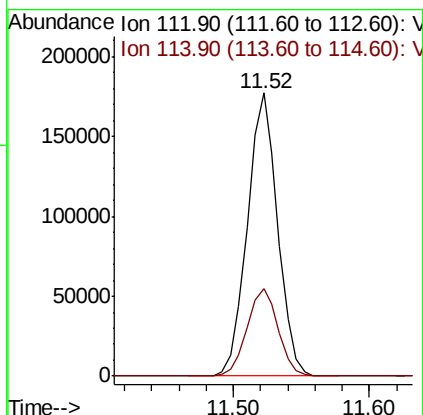
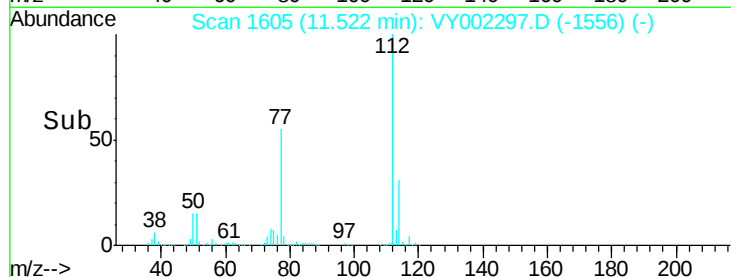
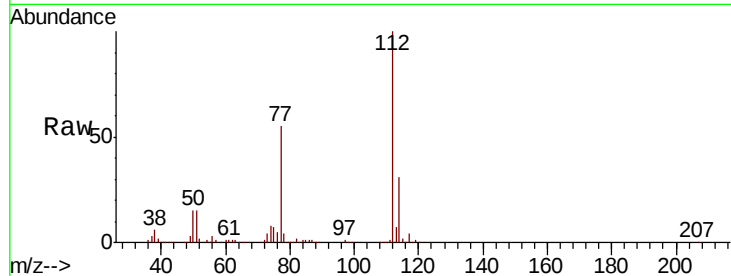




#65
Chlorobenzene
Concen: 53.923 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

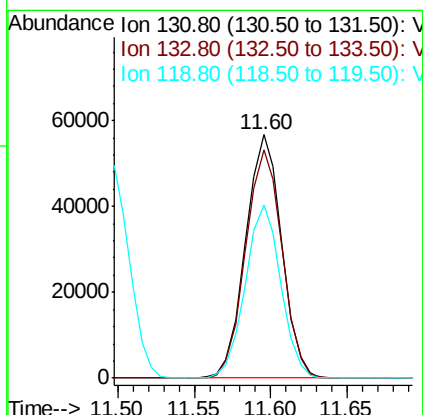
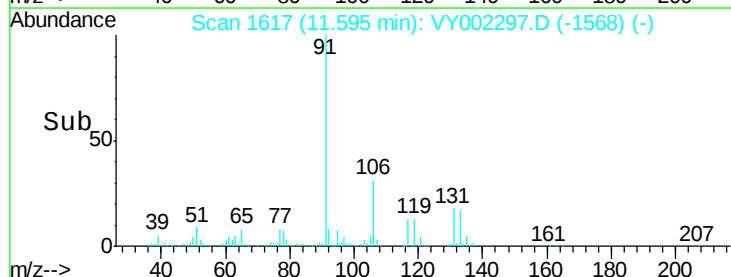
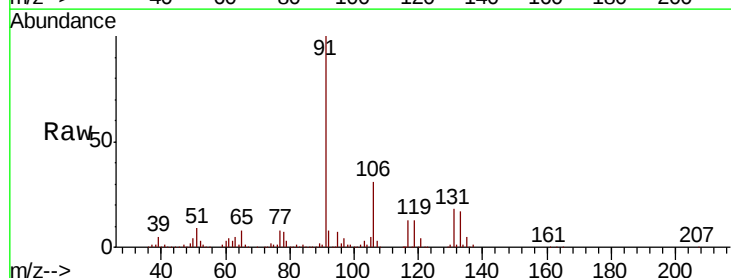
Instrument :
MSVOA_Y
ClientSampleId :

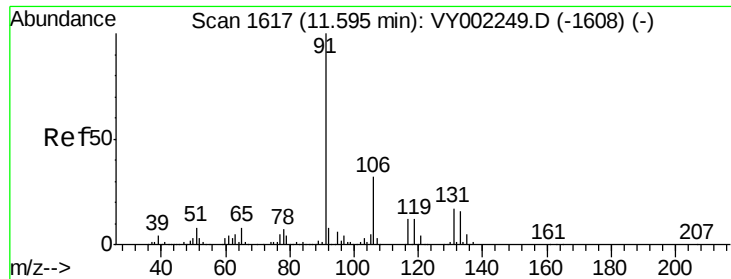
Tot Ion:112 Resp: 275912
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.965 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion:131 Resp: 92855
Ion Ratio Lower Upper
131 100
133 95.1 46.5 139.3
119 70.0 34.5 103.6

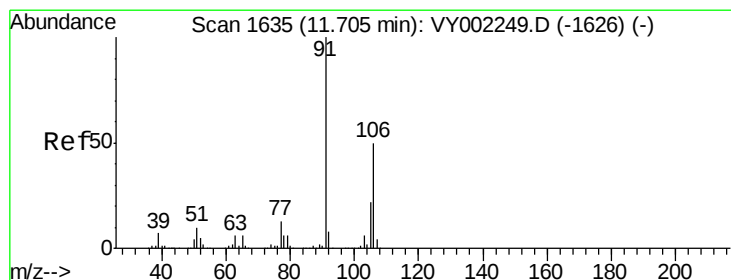
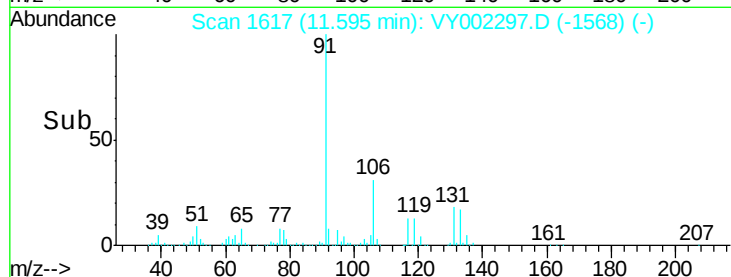
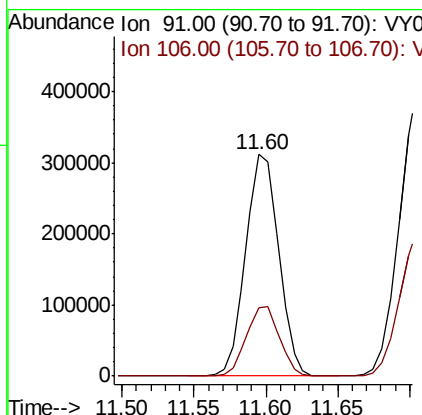
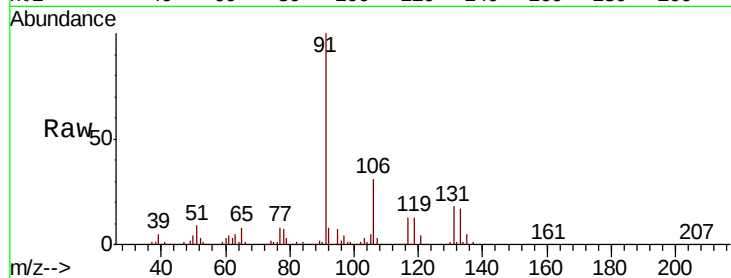




#67
Ethyl Benzene
Concen: 52.938 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

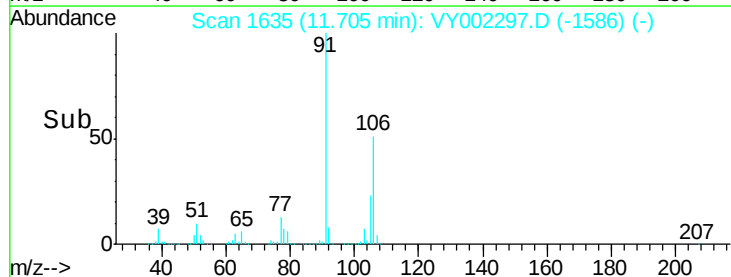
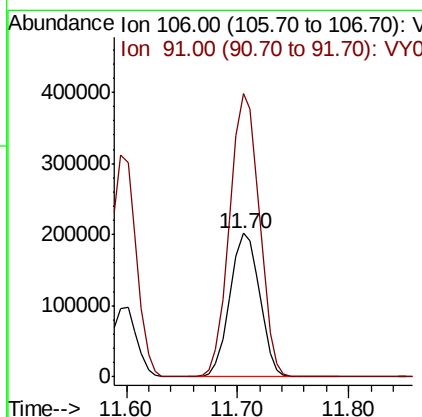
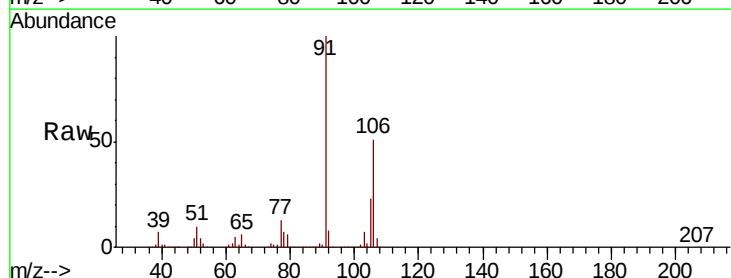
Instrument :
MSVOA_Y
ClientSampled :

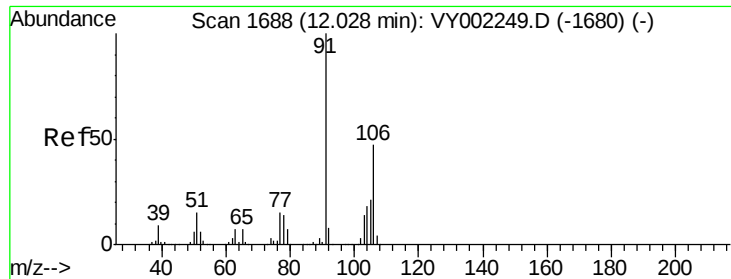
Tot Ion: 91 Resp: 495877
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



#68
m/p-Xylenes
Concen: 106.764 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 106 Resp: 374569
Ion Ratio Lower Upper
106 100
91 196.8 159.8 239.6

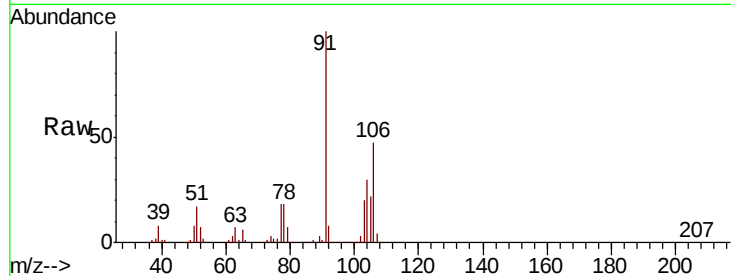




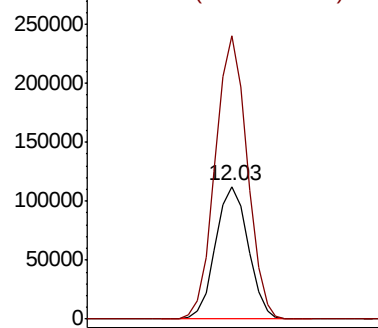
#69
o-Xylene
Concen: 53.584 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampled :

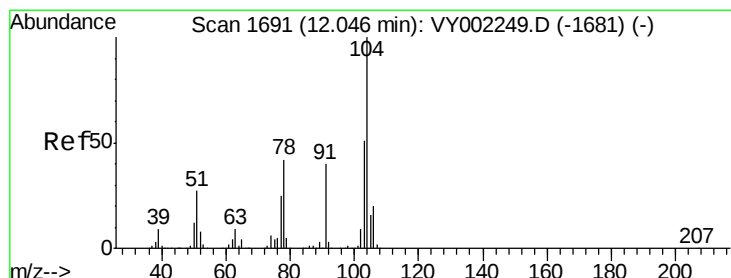
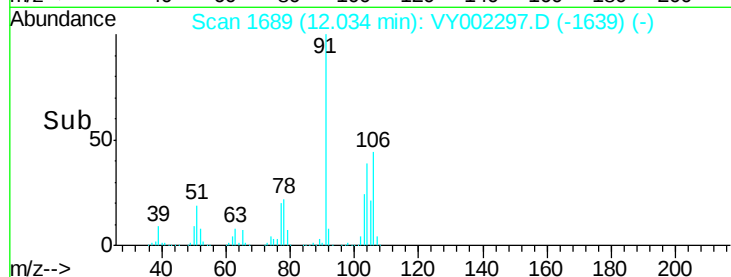
Tot Ion:106 Resp: 176497
Ion Ratio Lower Upper
106 100
91 208.9 105.8 317.3



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

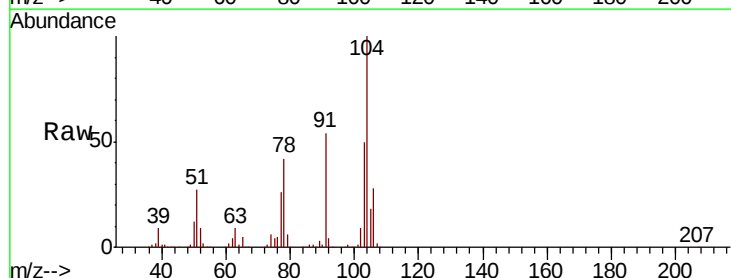


Time--> 11.95 12.00 12.05 12.10

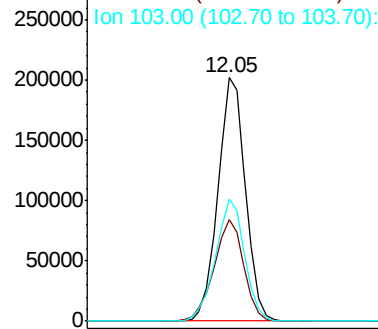


#70
Styrene
Concen: 54.944 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

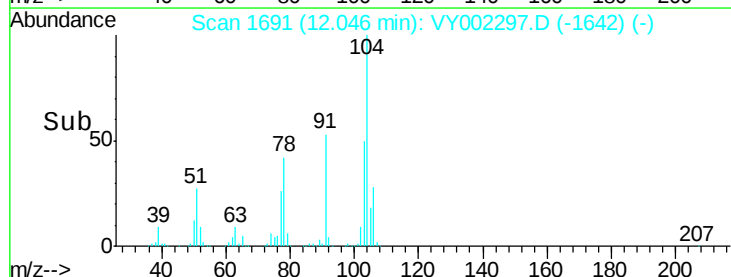
Tgt Ion:104 Resp: 313983
Ion Ratio Lower Upper
104 100
78 45.0 37.2 55.8
103 53.0 43.4 65.0

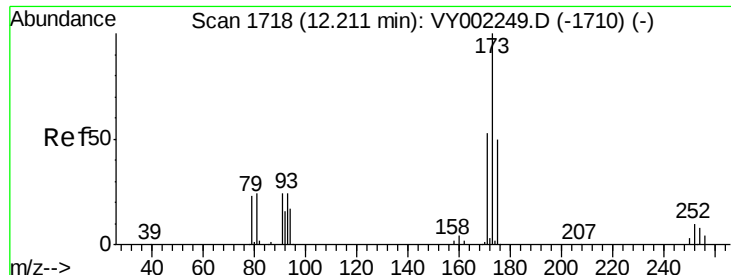


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V



Time--> 12.00 12.10





#71

Bromoform

Concen: 57.212 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

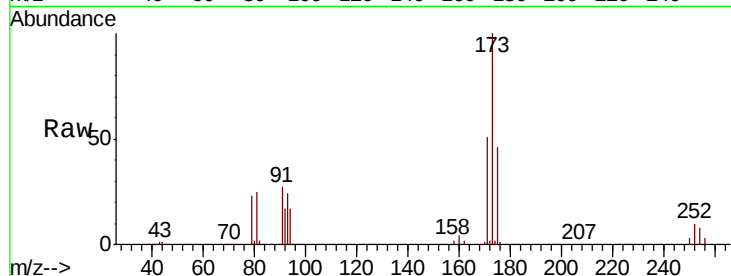
Tot Ion:173 Resp: 52560

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.3

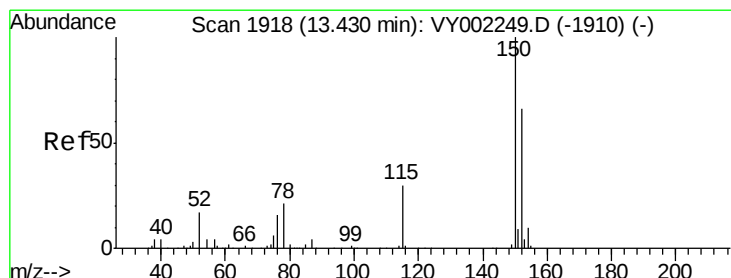
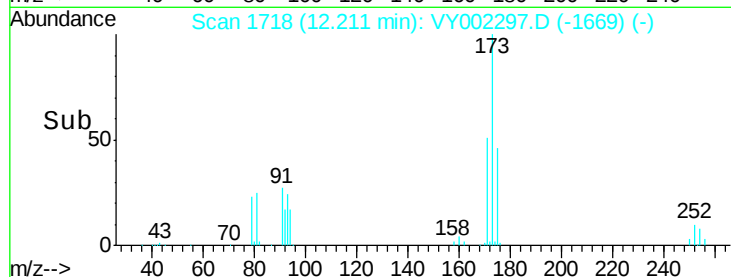
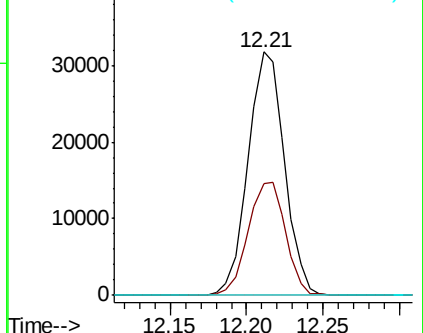
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

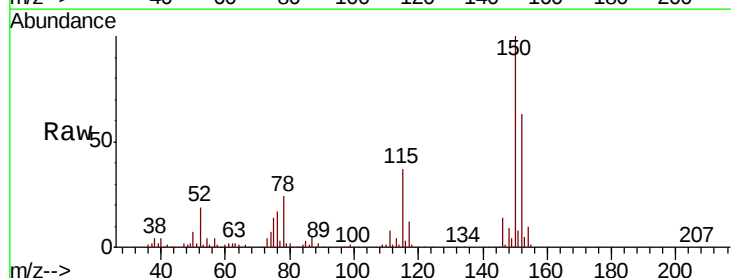
Tgt Ion:152 Resp: 111585

Ion Ratio Lower Upper

152 100

115 59.1 30.7 92.1

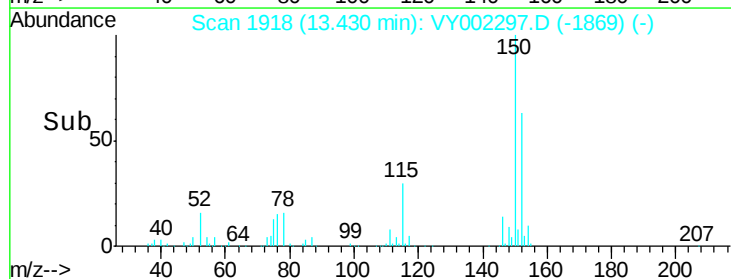
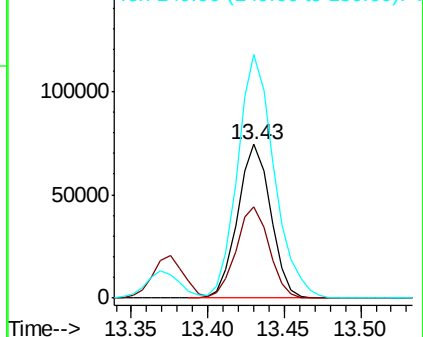
150 174.7 0.0 350.6

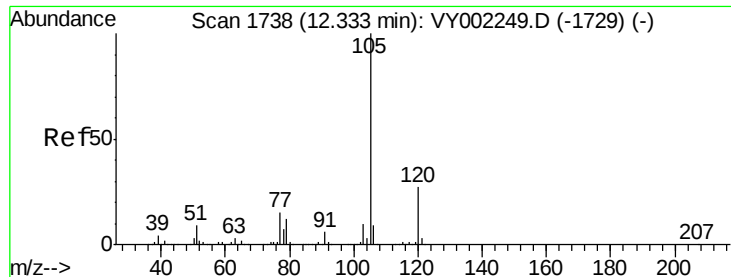


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

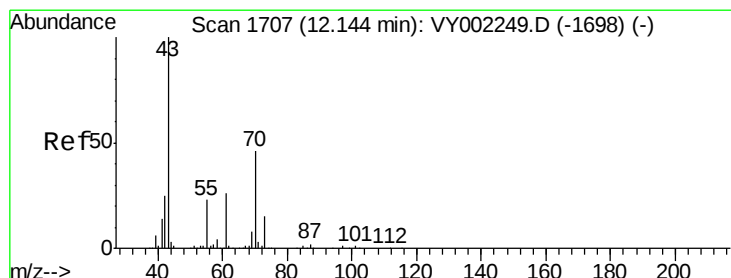
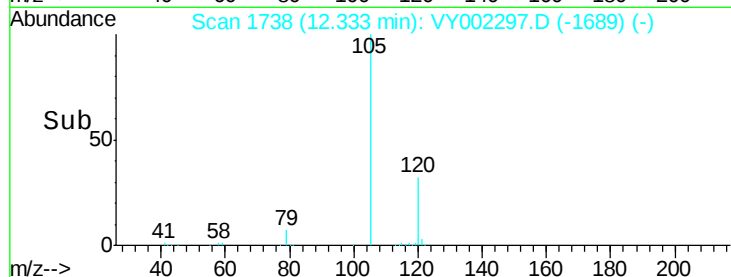
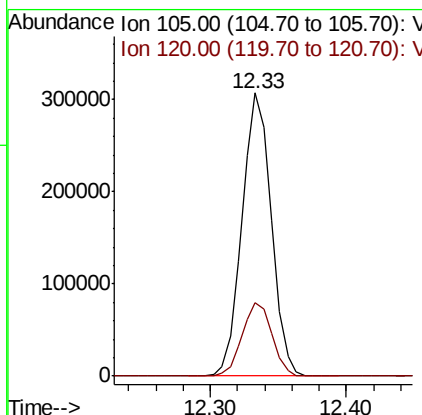
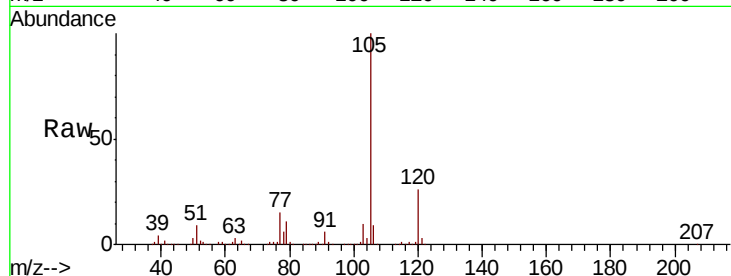




#73
Isopropylbenzene
Concen: 52.676 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

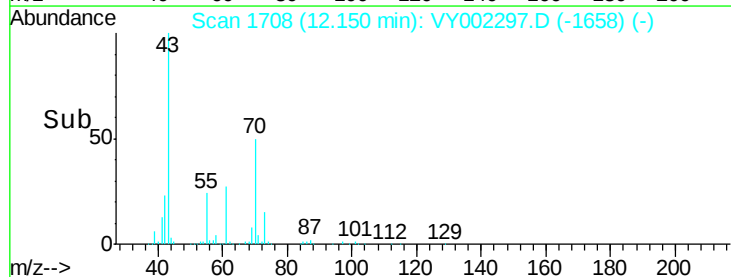
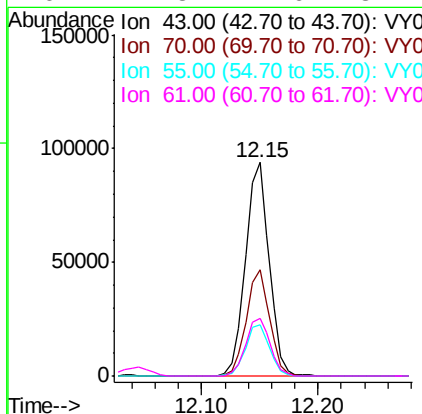
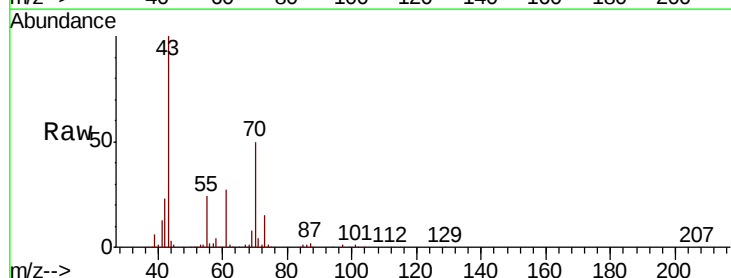
Instrument :
MSVOA_Y
ClientSampleId :

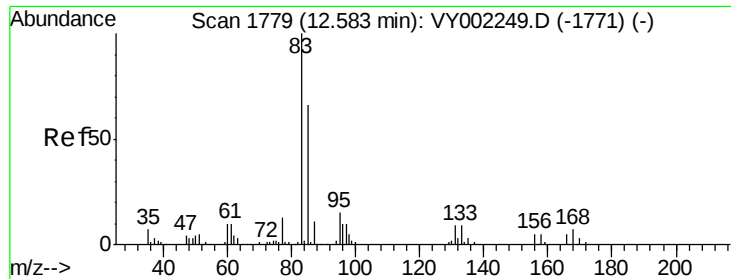
Tot Ion:105 Resp: 461773
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.8



#74
N-ethyl acetate
Concen: 53.628 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 43 Resp: 133448
Ion Ratio Lower Upper
43 100
70 49.2 37.5 56.3
55 24.6 19.0 28.6
61 27.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 57.170 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

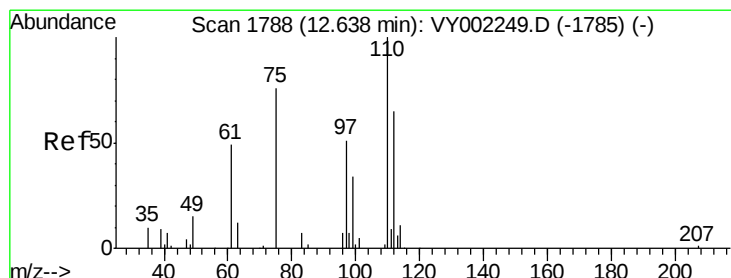
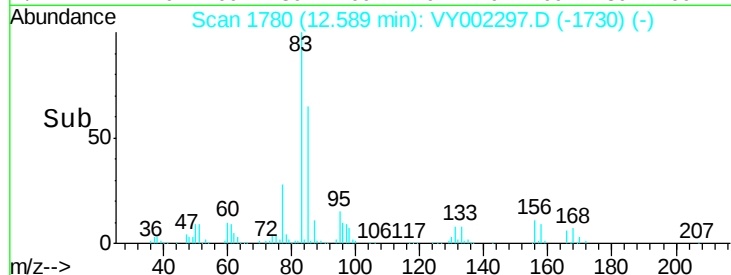
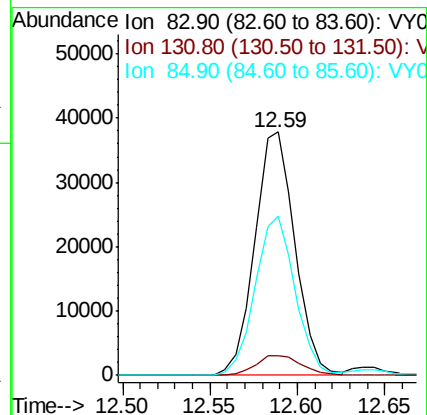
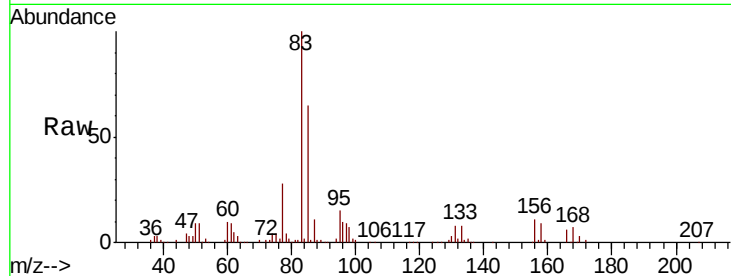
Tot Ion: 83 Resp: 60635

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

85 65.4 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 98.882 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002297.D

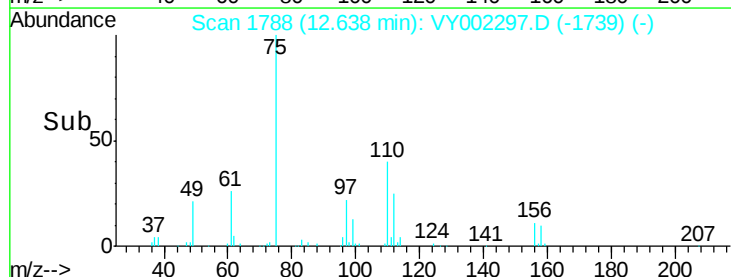
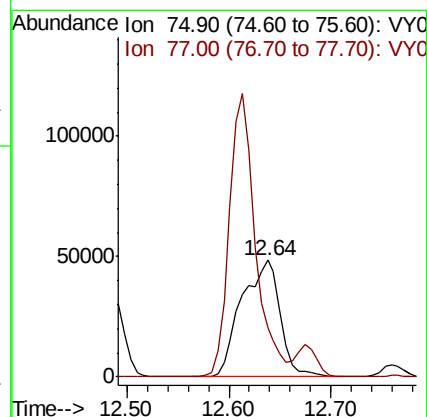
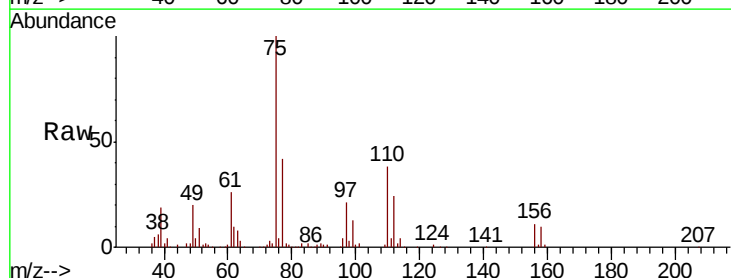
Acq: 13 Apr 2020 21:36

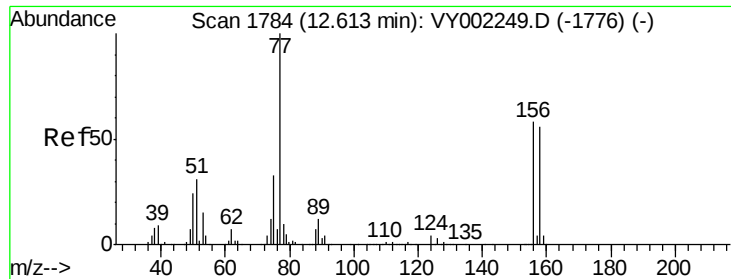
Tgt Ion: 75 Resp: 128126

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.658 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

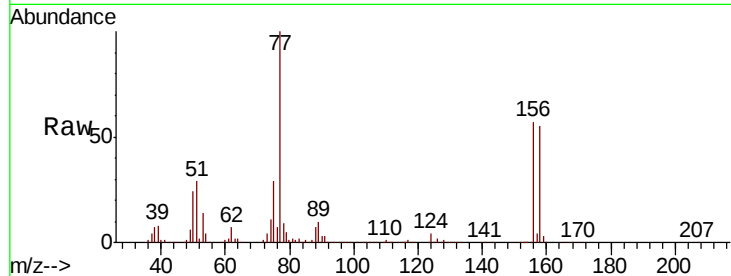
Tot Ion:156 Resp: 105417

Ion Ratio Lower Upper

156 100

77 197.5 101.3 303.9

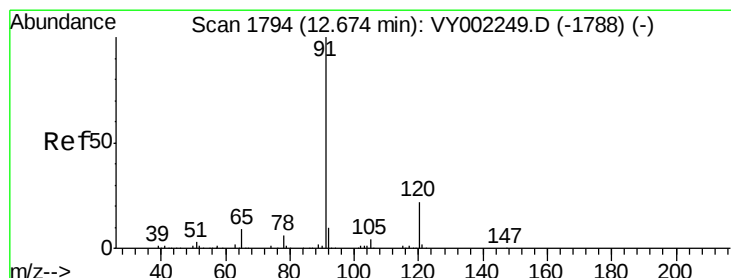
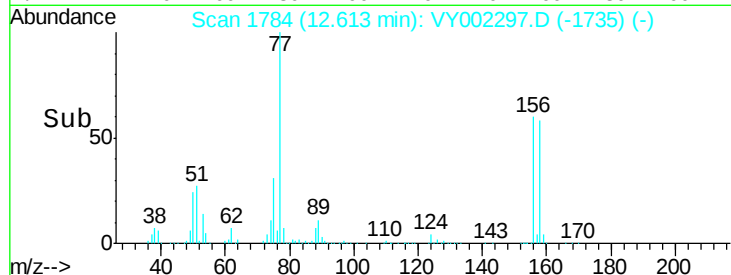
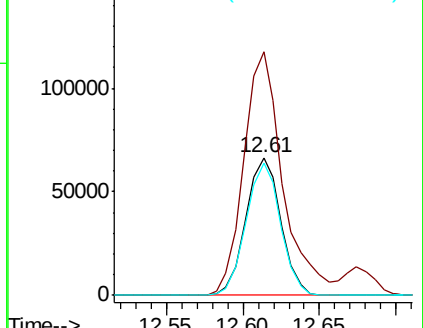
158 95.1 48.3 144.8



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: 51.552 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY002297.D

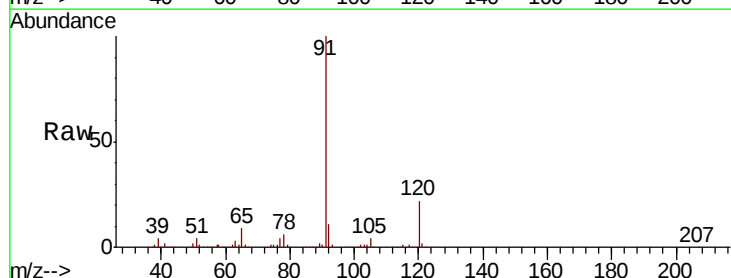
Acq: 13 Apr 2020 21:36

Tgt Ion: 91 Resp: 562051

Ion Ratio Lower Upper

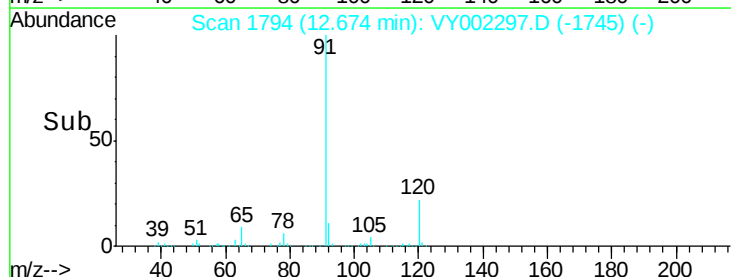
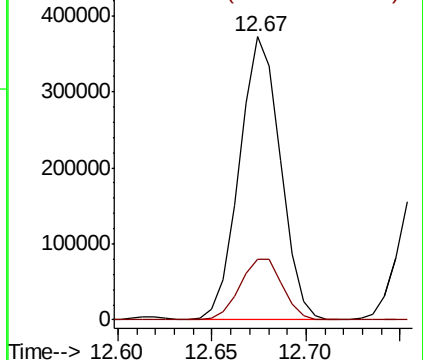
91 100

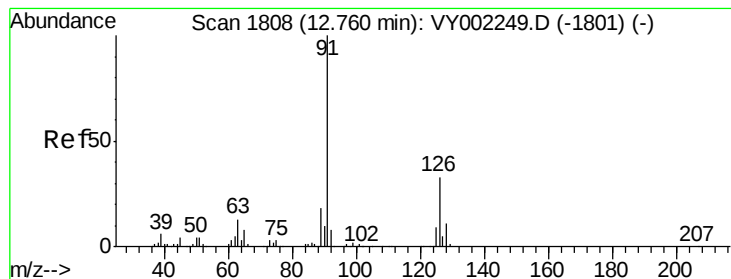
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.481 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

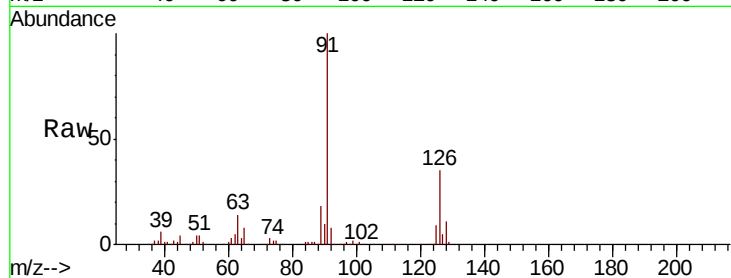
ClientSampleId :

Tot Ion: 91 Resp: 310948

Ion Ratio Lower Upper

91 100

126 34.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VY002297.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY002297.D (-1759) (-)

400000

300000

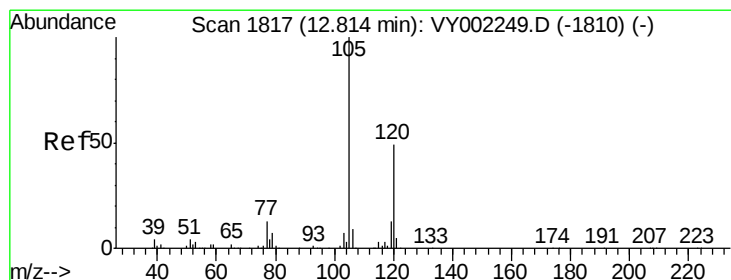
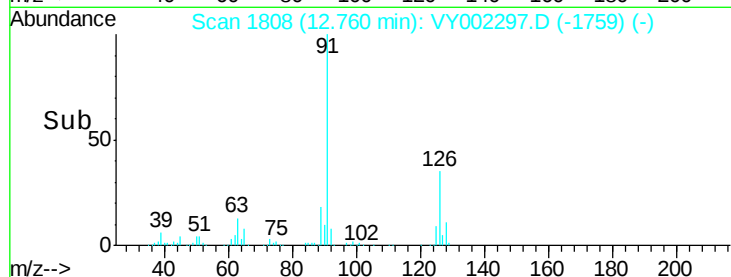
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.484 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002297.D

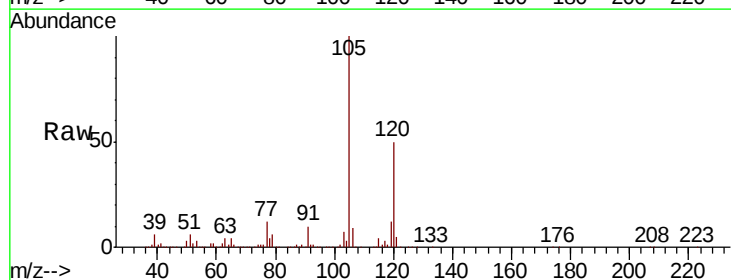
Acq: 13 Apr 2020 21:36

Tgt Ion:105 Resp: 380502

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002297.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002297.D (-1768) (-)

300000

250000

200000

150000

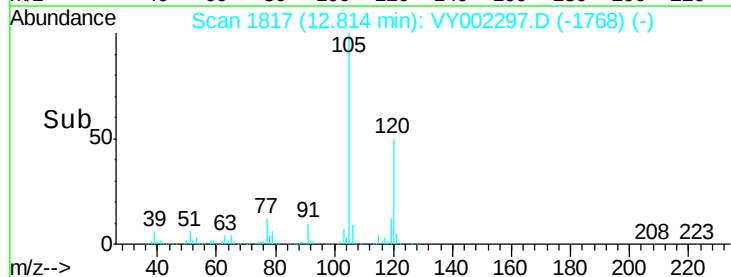
100000

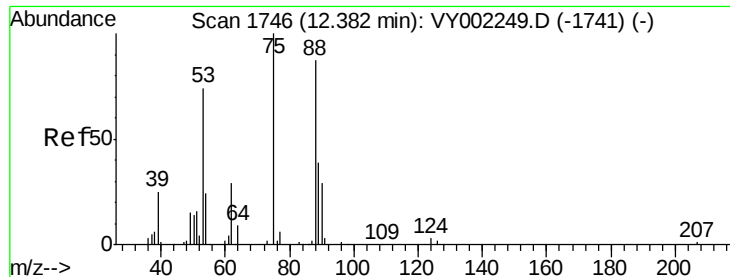
50000

0

12.75 12.80 12.85 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.407 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampled :

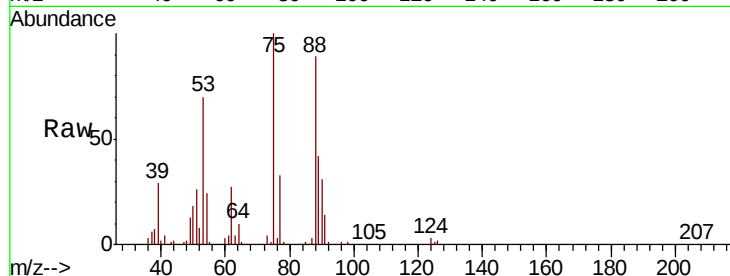
Tot Ion: 75 Resp: 36246

Ion Ratio Lower Upper

75 100

53 71.3 59.8 89.8

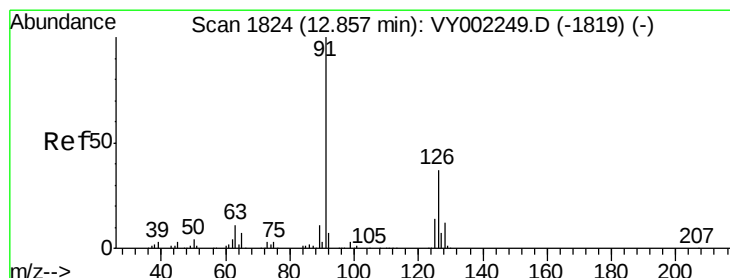
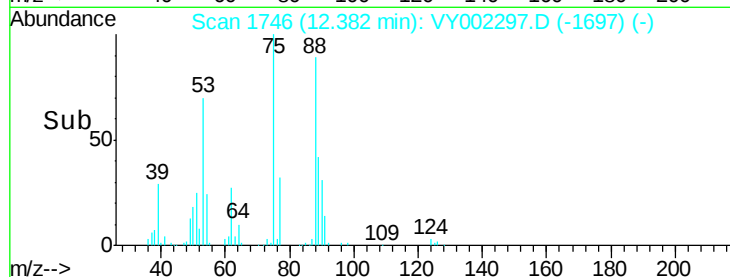
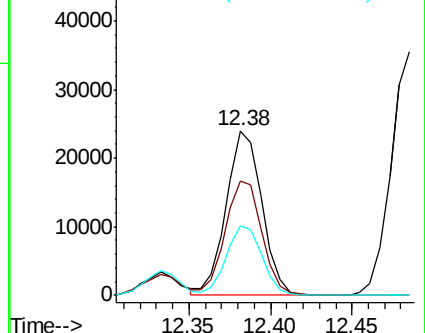
89 42.5 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VY002297.D (-1741) (-)

Ion 53.00 (52.70 to 53.70): VY002297.D (-1741) (-)

Ion 88.90 (88.60 to 89.60): VY002297.D (-1741) (-)



#82

4-Chlorotoluene

Concen: 51.319 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VY002297.D

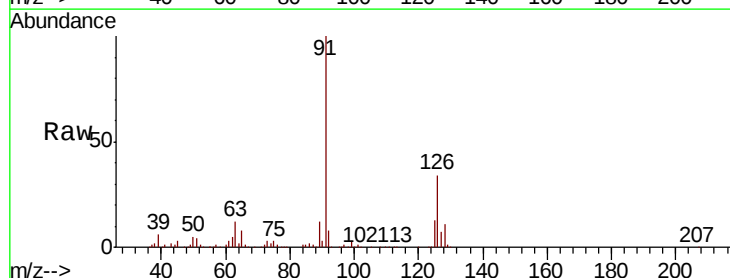
Acq: 13 Apr 2020 21:36

Tgt Ion: 91 Resp: 318693

Ion Ratio Lower Upper

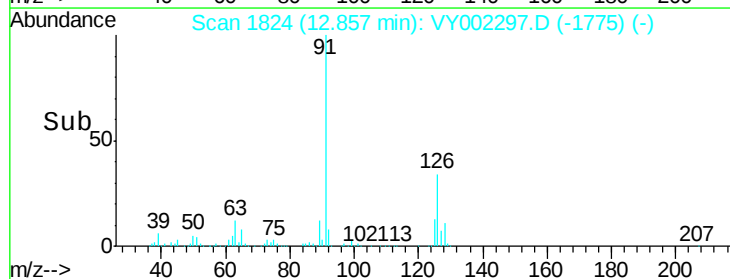
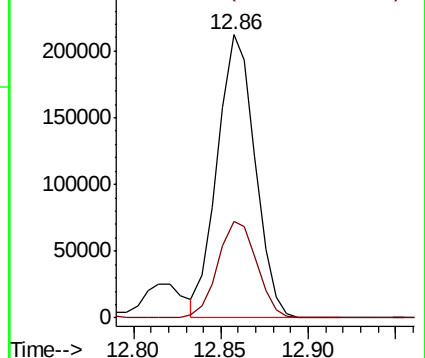
91 100

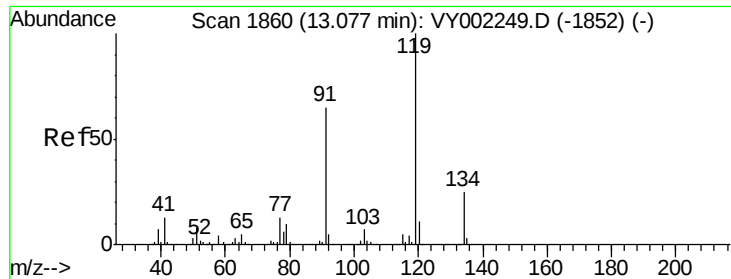
126 35.1 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VY002297.D (-1819) (-)

Ion 125.90 (125.60 to 126.60): VY002297.D (-1819) (-)

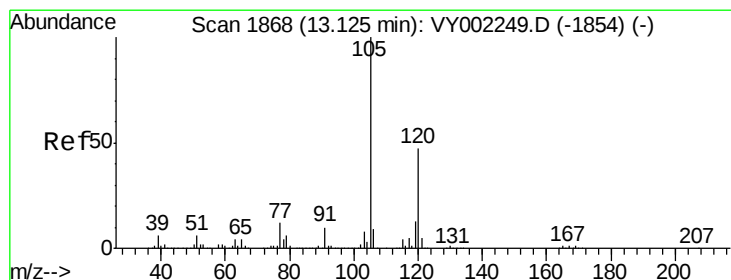
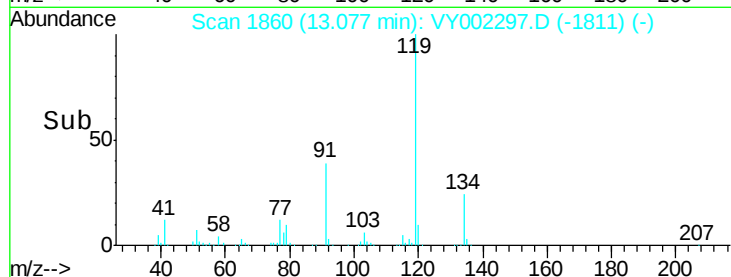
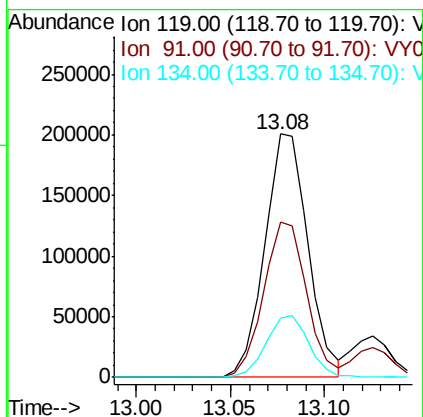
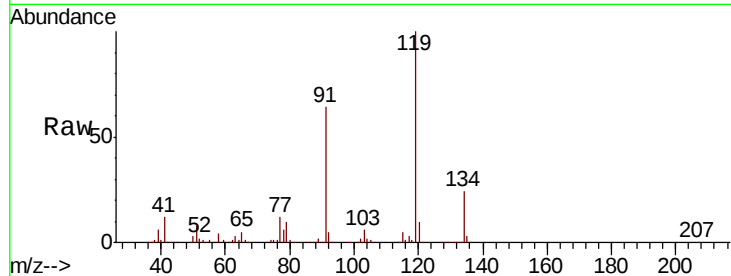




#83
 tert-Butylbenzene
 Concen: 52.536 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

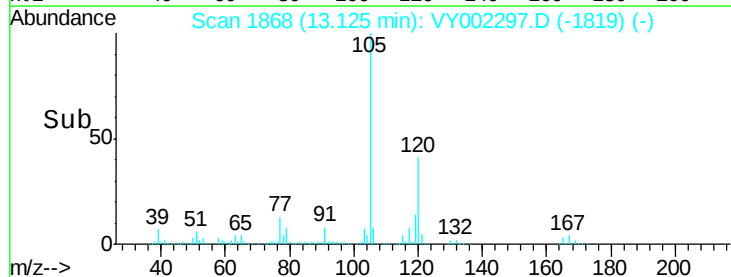
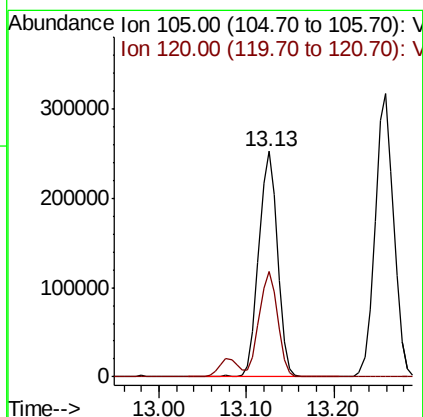
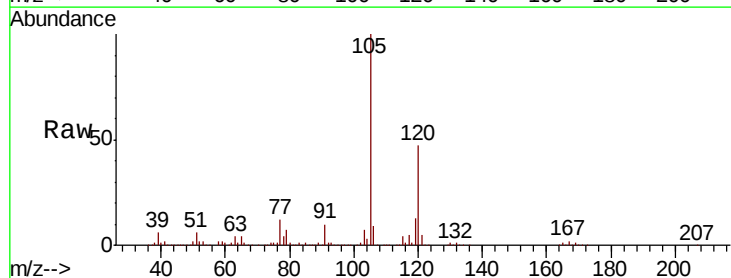
Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:119 Resp: 319034
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.4 97.0
 134 25.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.186 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion:105 Resp: 377804
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 51.486 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

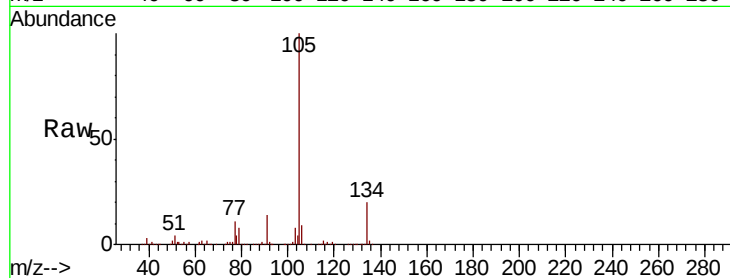
ClientSampleId :

Tot Ion:105 Resp: 465768

Ion Ratio Lower Upper

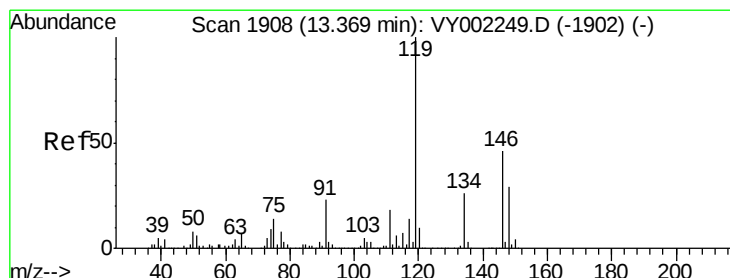
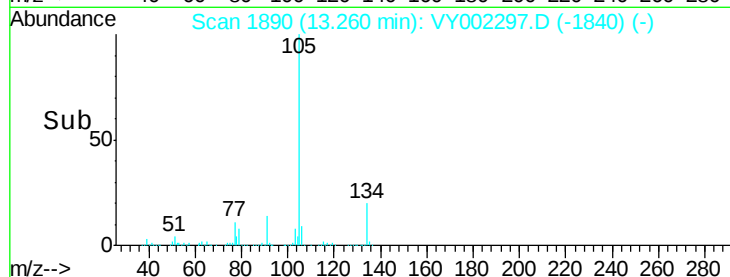
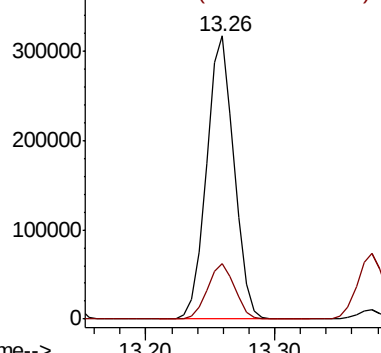
105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.181 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

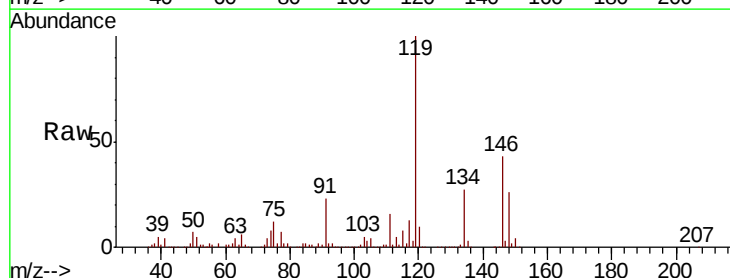
Tgt Ion:119 Resp: 398497

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

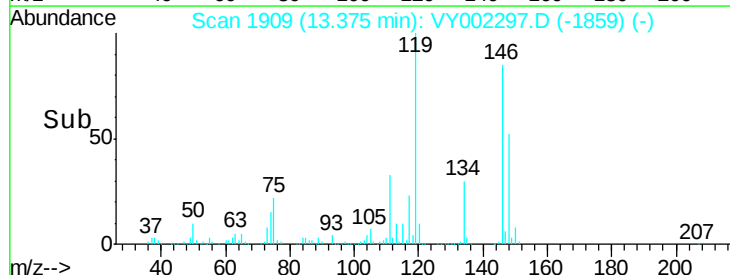
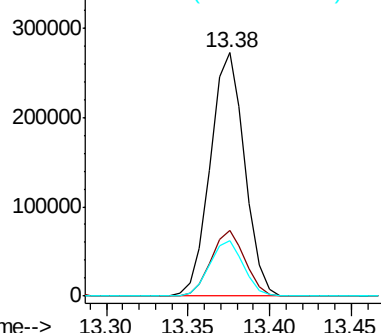
91 22.7 11.5 34.4

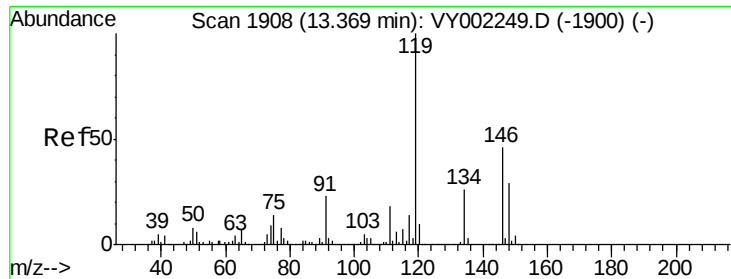


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

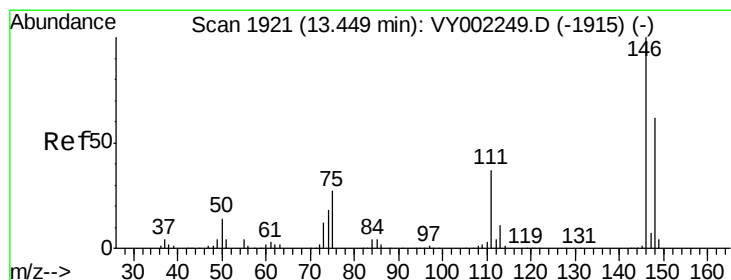
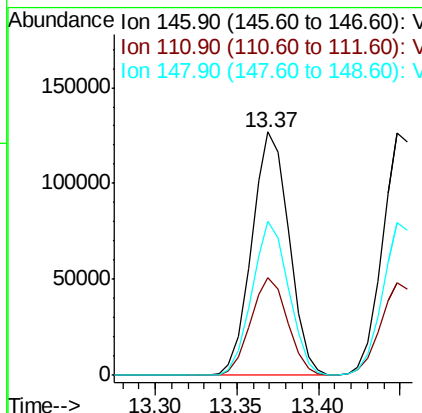
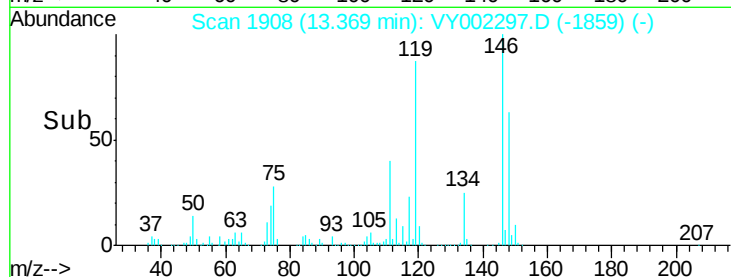
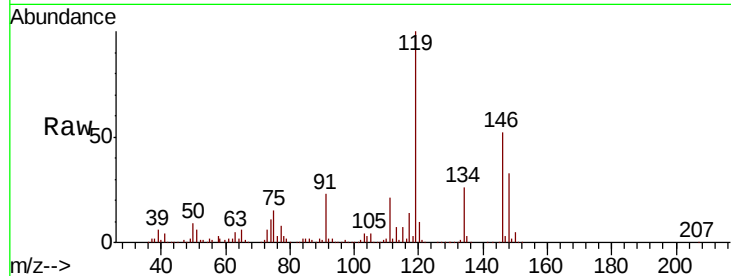




#87
 1,3-Dichlorobenzene
 Concen: 53.633 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

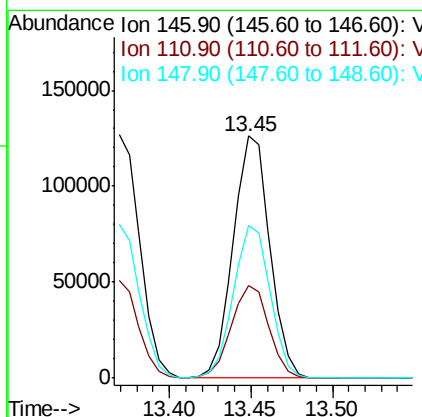
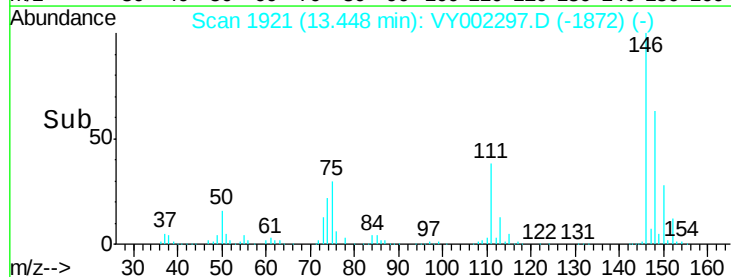
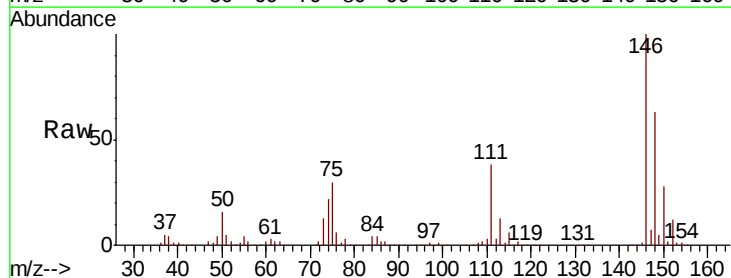
Instrument :
 MSVOA_Y
 ClientSampleId :

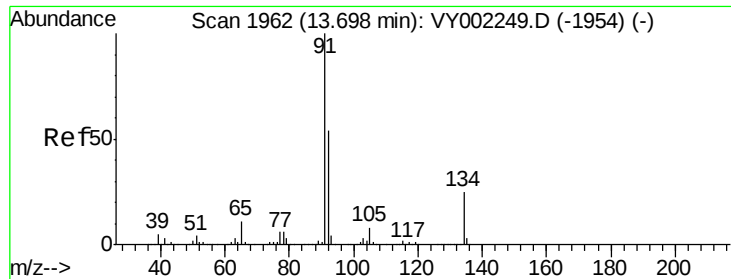
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	62.5	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.002 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.4	32.0	96.0

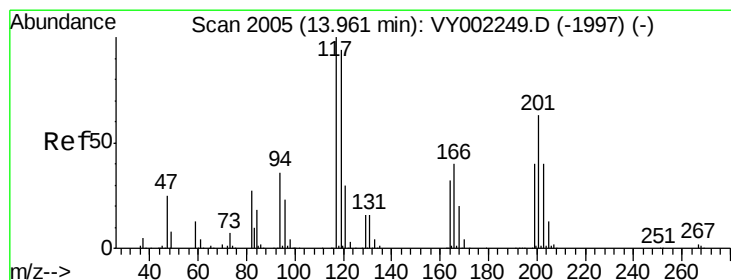
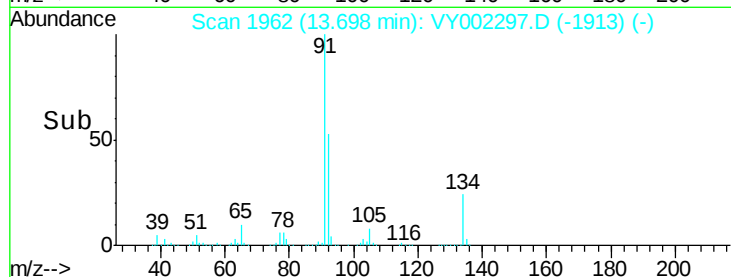
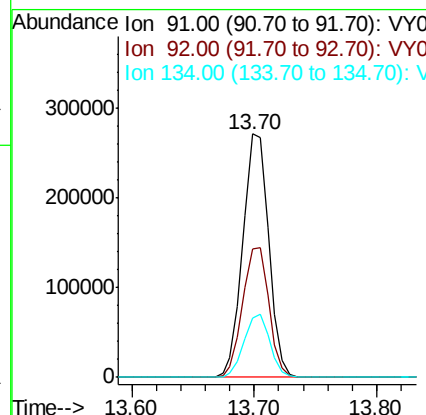
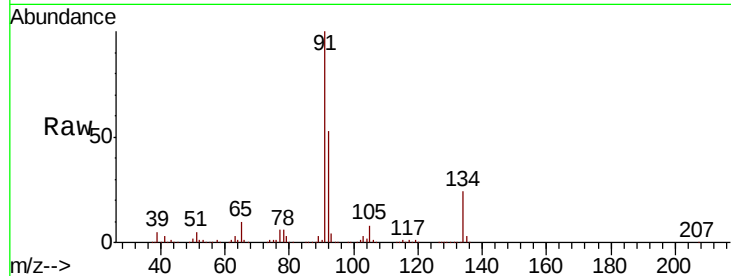




#89
n-Butylbenzene
Concen: 49.784 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

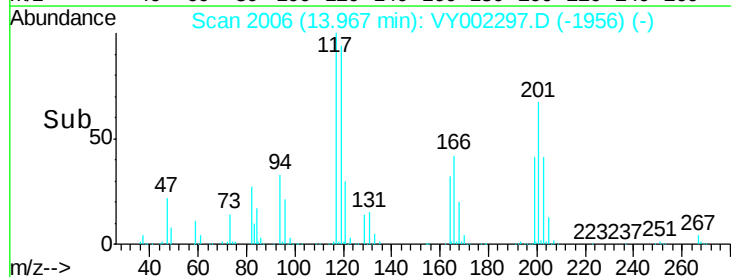
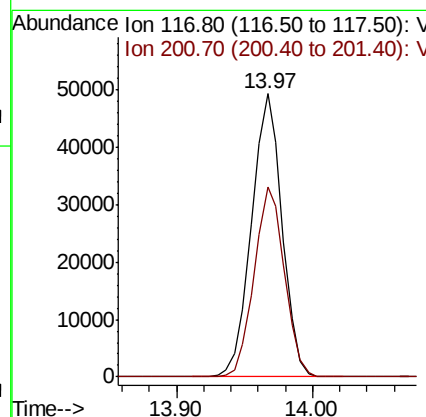
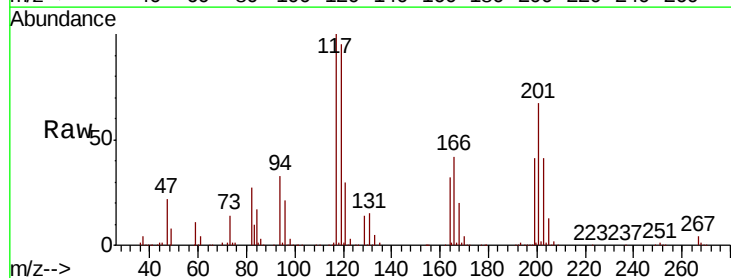
Instrument :
MSVOA_Y
ClientSampled :

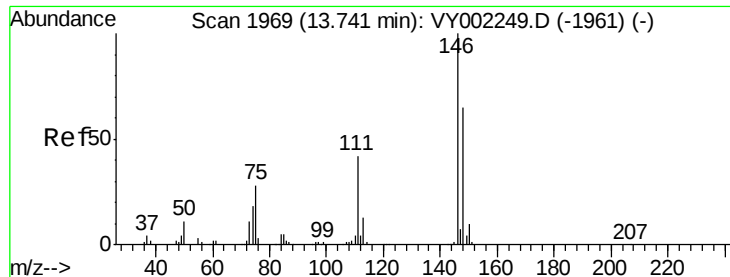
Tot Ion	91	Resp	397319
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	25.7	12.7	38.0



#90
Hexachloroethane
Concen: 52.308 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	117	Resp	77608
Ion	Ratio	Lower	Upper
117	100		
201	66.8	33.1	99.2





#91

1,2-Dichlorobenzene

Concen: 53.521 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

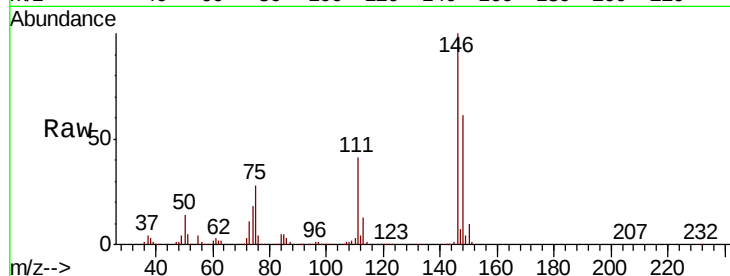
Tot Ion:146 Resp: 181777

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.1

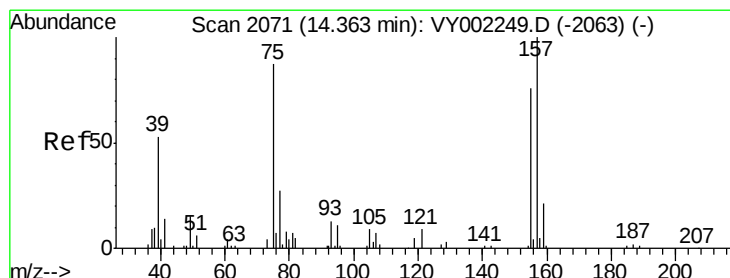
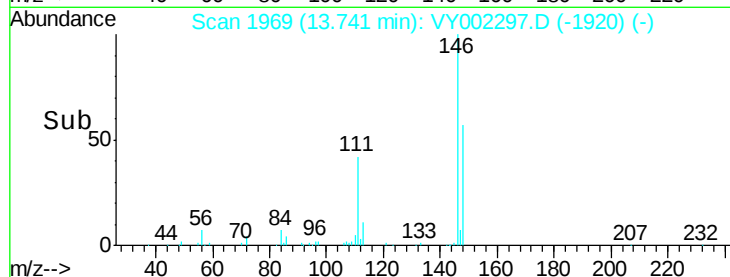
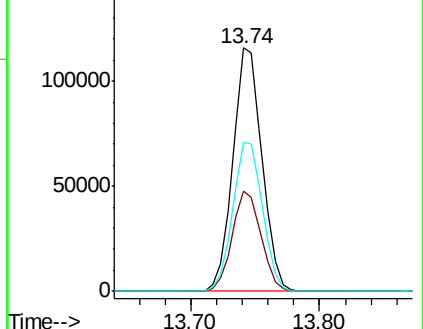
148 62.5 31.9 95.9



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: 52.333 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

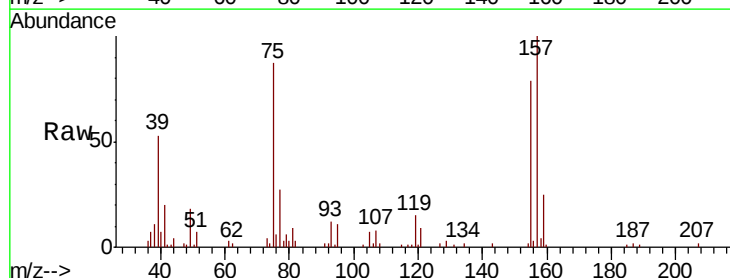
Tgt Ion: 75 Resp: 13424

Ion Ratio Lower Upper

75 100

155 93.4 43.6 130.8

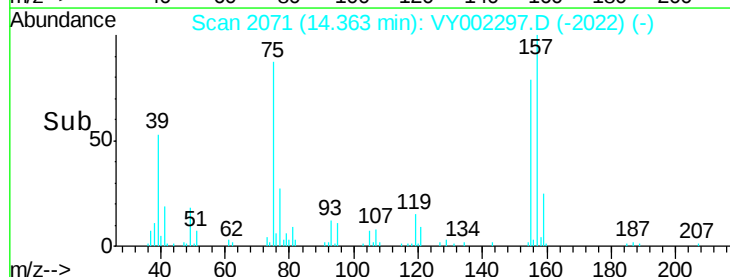
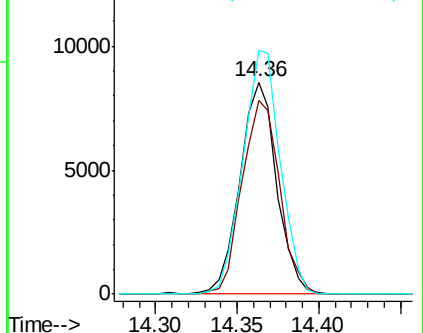
157 117.1 56.0 168.2

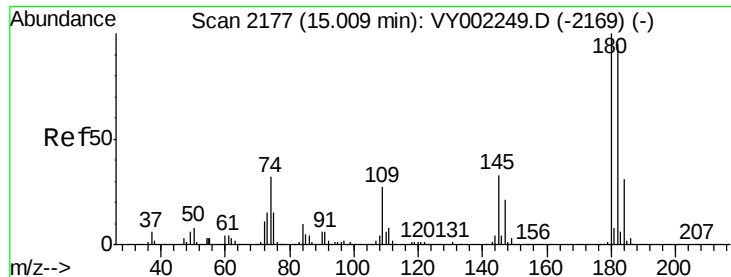


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

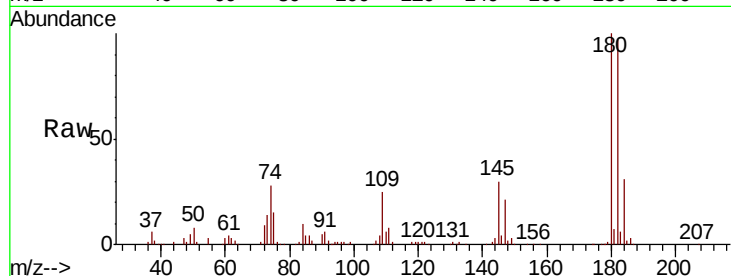




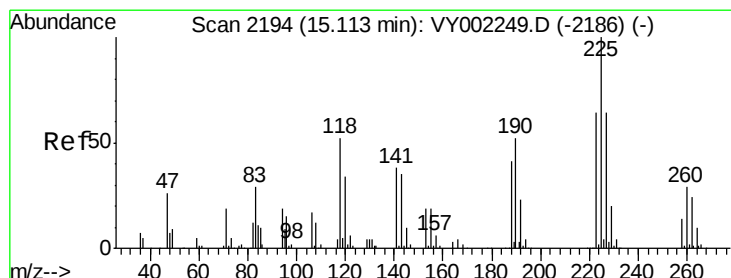
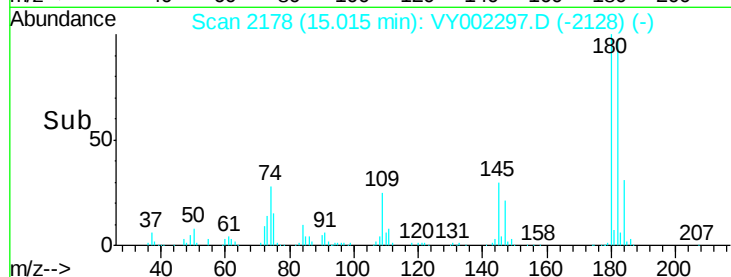
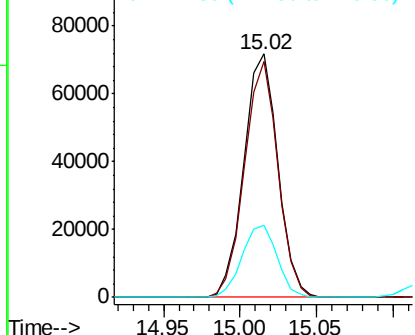
#93
 1,2,4-Trichlorobenzene
 Concen: 50.037 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 111082
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.7
 145 30.5 16.0 48.0

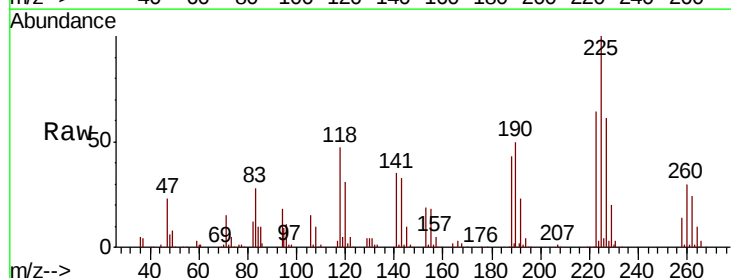


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

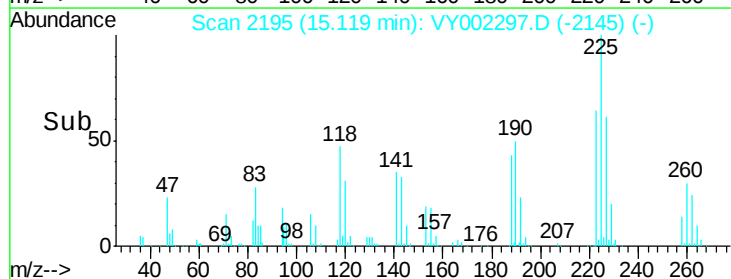
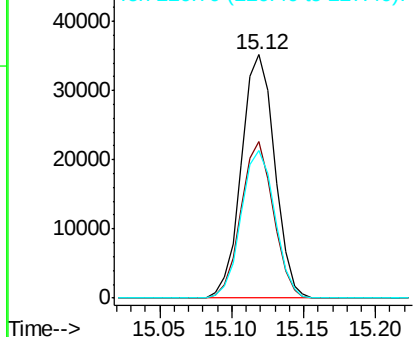


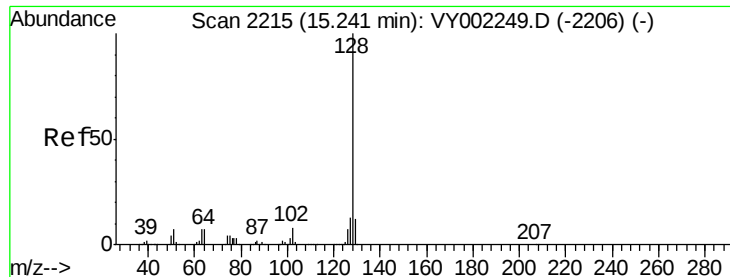
#94
 Hexachlorobutadiene
 Concen: 50.255 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion:225 Resp: 56191
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.0 93.0
 227 61.2 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: 53.381 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

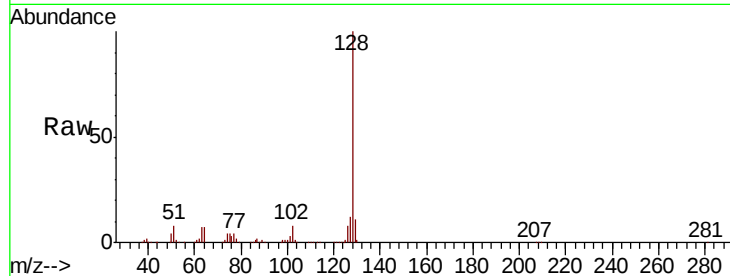
Tot Ion:128 Resp: 259469

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 11.0 8.7 13.1

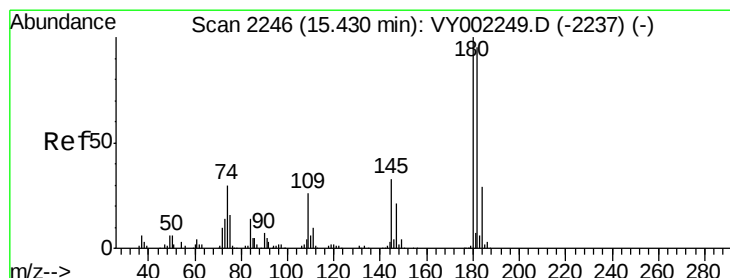
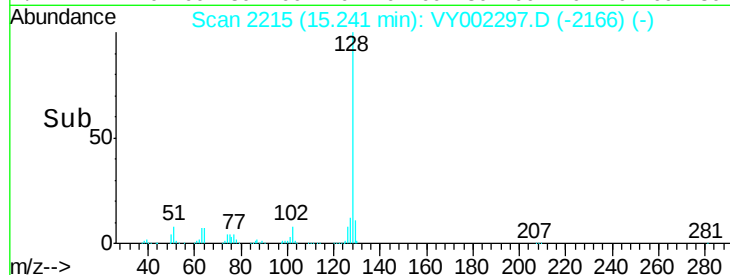
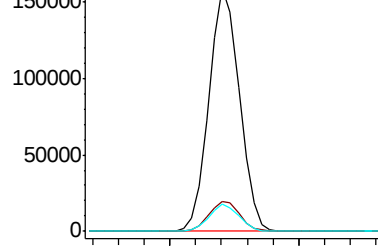


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.24



#96

1,2,3-Trichlorobenzene

Concen: 50.089 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

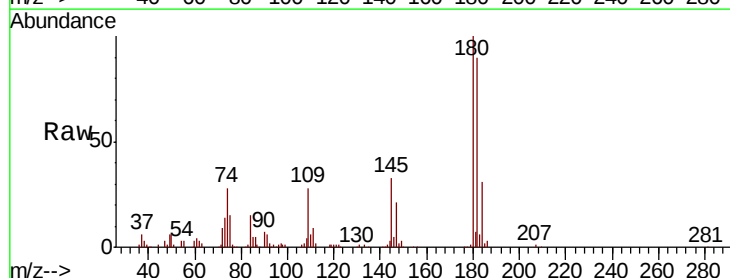
Tgt Ion:180 Resp: 96553

Ion Ratio Lower Upper

180 100

182 94.1 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

15.43

