

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002029.D
 Acq On : 19 Mar 2020 18:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 20 01:59:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	153995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	281189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116672	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	90356	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	7.74	113	83076	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	10.19	98	342410	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.49	95	120238	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	59228	41.666	ug/l	99
3) Chloromethane	2.13	50	84854	44.276	ug/l	99
4) Vinyl Chloride	2.26	62	87953	45.118	ug/l	99
5) Bromomethane	2.66	94	60509	53.561	ug/l	98
6) Chloroethane	2.81	64	59094	48.257	ug/l	93
7) Trichlorofluoromethane	3.15	101	127532	48.239	ug/l	99
8) Diethyl Ether	3.55	74	53218	51.074	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	83164	48.908	ug/l	99
10) Methyl Iodide	4.12	142	95515	48.572	ug/l	99
11) Tert butyl alcohol	4.99	59	55606	332.474	ug/l	96
12) 1,1-Dichloroethene	3.90	96	81724	47.732	ug/l	95
13) Acrolein	3.76	56	46600	201.713	ug/l	98
14) Allyl chloride	4.51	41	158526	52.227	ug/l	98
15) Acrylonitrile	5.20	53	140236	251.861	ug/l	99
16) Acetone	3.97	43	105381	220.080	ug/l	96
17) Carbon Disulfide	4.22	76	250946	43.600	ug/l	99
18) Methyl Acetate	4.51	43	62491	50.792	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	241957	52.148	ug/l	97
20) Methylene Chloride	4.75	84	102979	50.180	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	96146	49.475	ug/l	97
22) Diisopropyl ether	6.15	45	338255	54.366	ug/l	98
23) Vinyl Acetate	6.10	43	1074688	263.479	ug/l	99
24) 1,1-Dichloroethane	6.05	63	176936	52.514	ug/l	99
25) 2-Butanone	7.02	43	179007	245.831	ug/l	99
26) 2,2-Dichloropropane	7.01	77	141234	51.071	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	109498	51.799	ug/l	98
28) Bromochloromethane	7.36	49	81989	53.986	ug/l	98
29) Tetrahydrofuran	7.37	42	121102	250.442	ug/l	99
30) Chloroform	7.53	83	166900	52.724	ug/l	97
31) Cyclohexane	7.81	56	167015	46.231	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	140180	52.540	ug/l	99
36) 1,1-Dichloropropene	7.94	75	135065	49.915	ug/l	99
37) Ethyl Acetate	7.10	43	80680	51.301	ug/l	99
38) Carbon Tetrachloride	7.93	117	118884	51.431	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002029.D
 Acq On : 19 Mar 2020 18:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 20 01:59:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	172878	48.170	ug/l	99
40) Benzene	8.18	78	410575	51.192	ug/l	99
41) Methacrylonitrile	7.37	41	109203	154.294	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	110230	53.337	ug/l	98
43) Isopropyl Acetate	8.29	43	154272	51.812	ug/l	99
44) Trichloroethene	8.96	130	97634	49.985	ug/l	98
45) 1,2-Dichloropropane	9.24	63	106711	52.928	ug/l	98
46) Dibromomethane	9.32	93	53812	51.793	ug/l	99
47) Bromodichloromethane	9.51	83	130833	54.133	ug/l	95
48) Methyl methacrylate	9.31	41	69588	52.670	ug/l	96
49) 1,4-Dioxane	9.32	88	14642	1028.483	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	406048	264.763	ug/l	100
52) Toluene	10.25	92	250572	51.429	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	141239	53.639	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	166317	53.058	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	80234	52.767	ug/l	98
56) Ethyl methacrylate	10.52	69	117916	52.908	ug/l	95
57) 1,3-Dichloropropane	10.80	76	141494	52.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	204699	264.613	ug/l	99
59) 2-Hexanone	10.84	43	270409	247.032	ug/l	99
60) Dibromochloromethane	10.99	129	84751	52.896	ug/l	98
61) 1,2-Dibromoethane	11.10	107	74061	51.420	ug/l	99
64) Tetrachloroethene	10.73	164	80066	49.933	ug/l	99
65) Chlorobenzene	11.52	112	258199	50.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	88745	53.118	ug/l	100
67) Ethyl Benzene	11.60	91	487873	51.347	ug/l	99
68) m/p-Xylenes	11.71	106	358729	102.120	ug/l	100
69) o-Xylene	12.03	106	169625	51.232	ug/l	99
70) Styrene	12.05	104	295718	52.148	ug/l	99
71) Bromoform	12.22	173	47730	52.679	ug/l #	98
73) Isopropylbenzene	12.34	105	461535	51.820	ug/l	100
74) N-amyl acetate	12.15	43	143239	52.328	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	97853	50.948	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	124431	89.881	ug/l #	100
77) Bromobenzene	12.61	156	97036	51.423	ug/l	99
78) n-propylbenzene	12.68	91	569231	51.805	ug/l	99
79) 2-Chlorotoluene	12.77	91	314090	51.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	381950	52.092	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34030	49.653	ug/l	95
82) 4-Chlorotoluene	12.86	91	332307	52.574	ug/l	99
83) tert-Butylbenzene	13.08	119	322366	52.934	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	380759	52.327	ug/l	100
85) sec-Butylbenzene	13.26	105	470860	52.455	ug/l	100
86) p-Isopropyltoluene	13.38	119	402917	52.034	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	190341	51.475	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	187552	49.996	ug/l	99
89) n-Butylbenzene	13.70	91	414700	51.620	ug/l	99
90) Hexachloroethane	13.97	117	76504	52.371	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	173232	51.567	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	15069	50.279	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
Data File : VY002029.D
Acq On : 19 Mar 2020 18:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 20 01:59:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

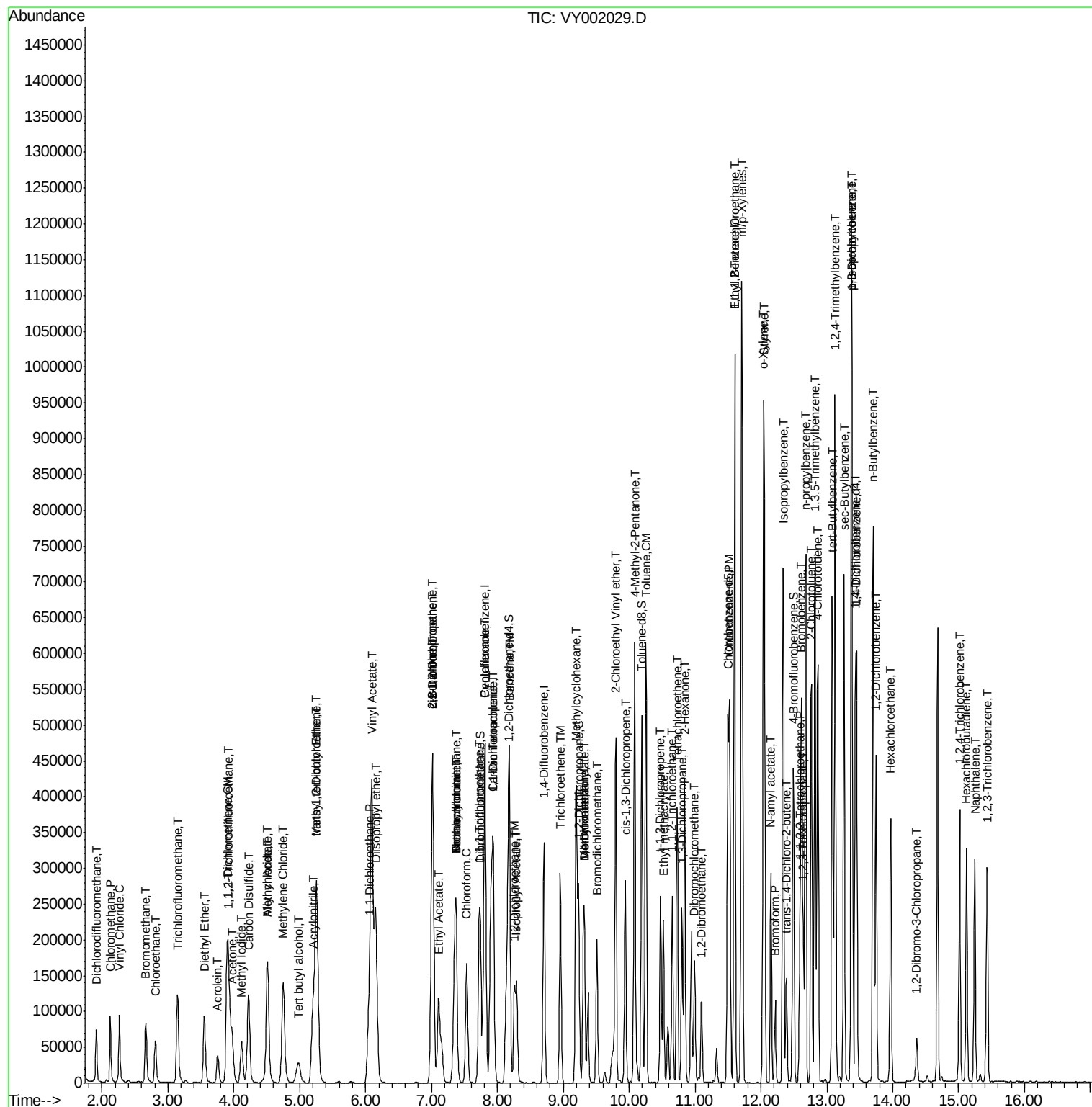
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107729	49.449	ug/l	98
94) Hexachlorobutadiene	15.12	225	52511	49.439	ug/l	99
95) Naphthalene	15.25	128	251198	48.611	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	94304	49.137	ug/l	99

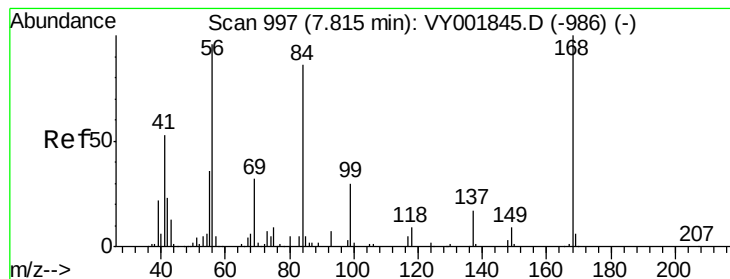
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
Data File : VY002029.D
Acq On : 19 Mar 2020 18:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 20 01:59:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

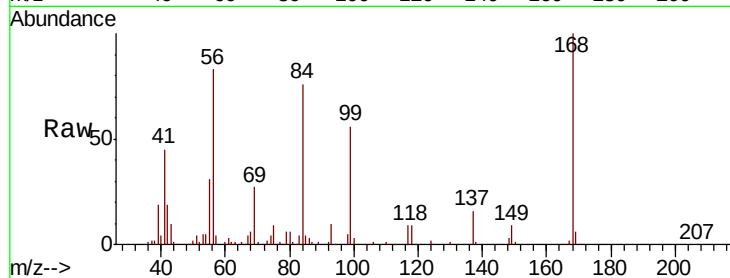
VSTDCCC050EC

Tot Ion:168 Resp: 153995

Ion Ratio Lower Upper

168 100

99 55.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

80000

60000

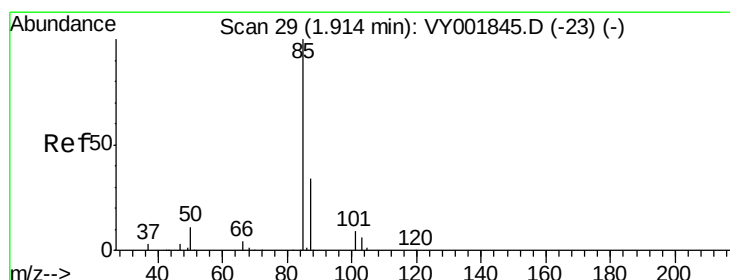
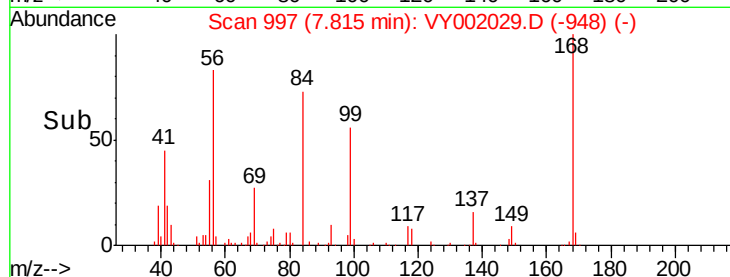
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.666 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002029.D

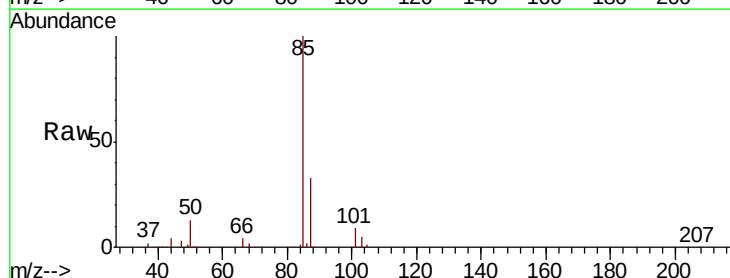
Acq: 19 Mar 2020 18:31

Tgt Ion: 85 Resp: 59228

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

40000

30000

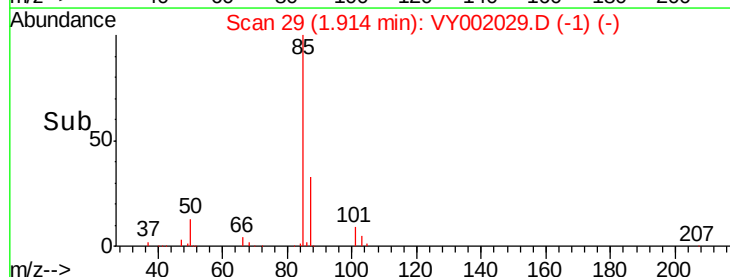
20000

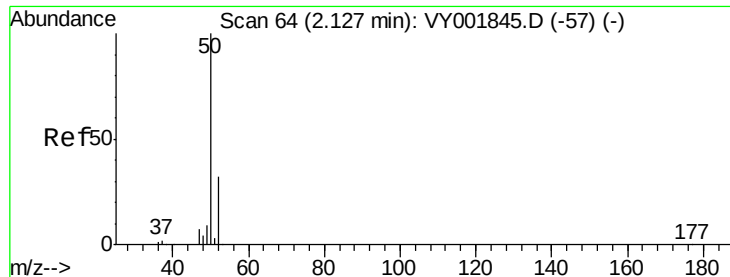
10000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.276 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

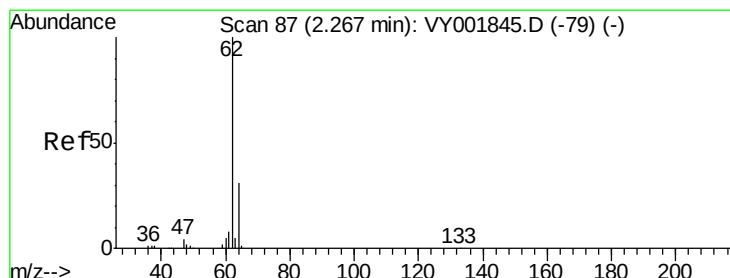
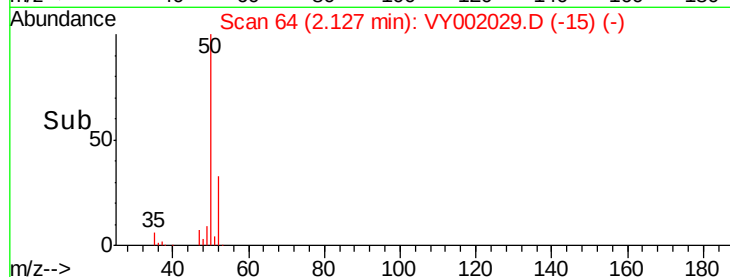
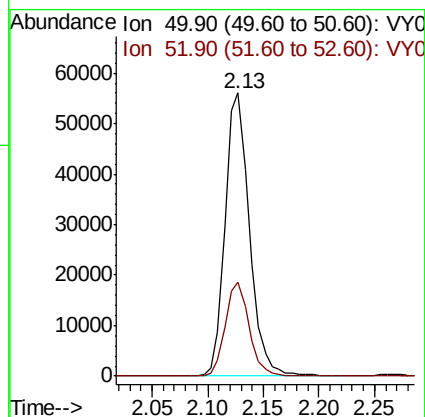
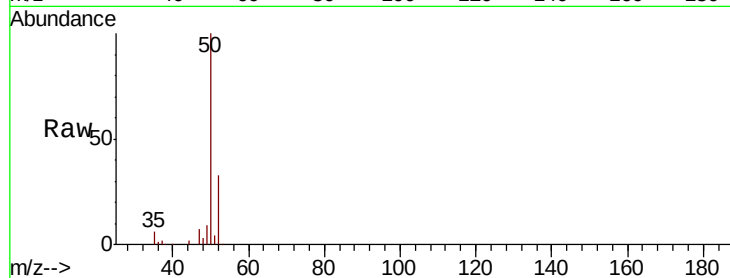
VSTDCCC050EC

Tot Ion: 50 Resp: 84854

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.6



#4

Vinyl Chloride

Concen: 45.118 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002029.D

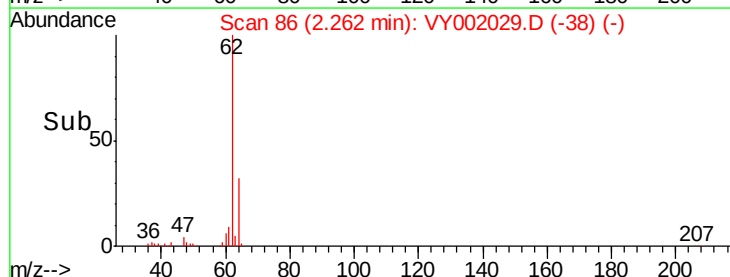
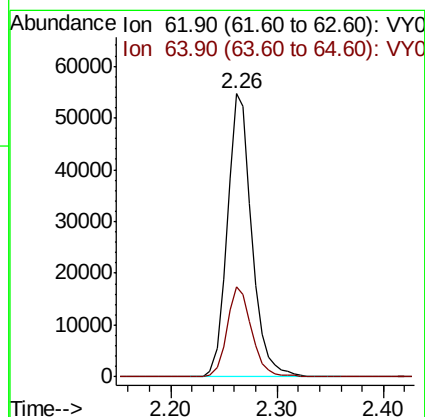
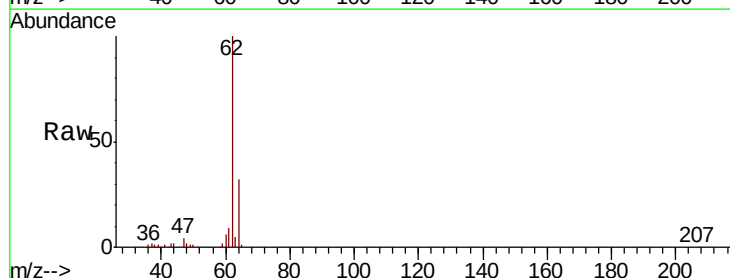
Acq: 19 Mar 2020 18:31

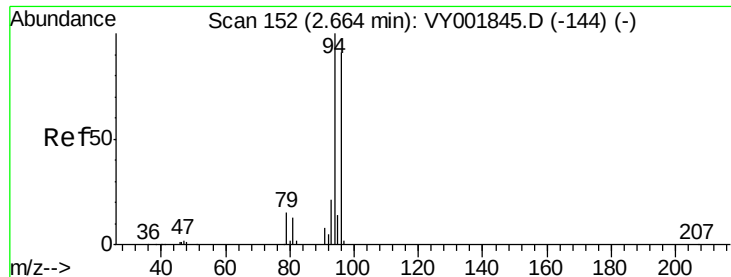
Tgt Ion: 62 Resp: 87953

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 53.561 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

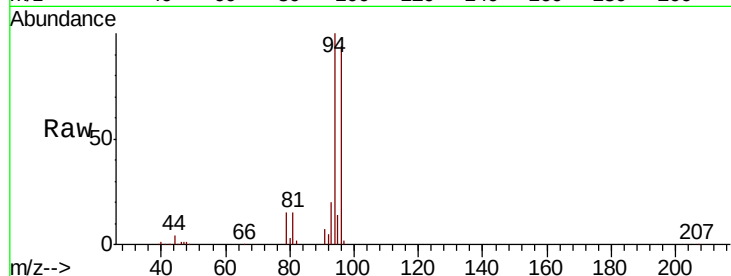
VSTDCCC050EC

Tot Ion: 94 Resp: 60509

Ion Ratio Lower Upper

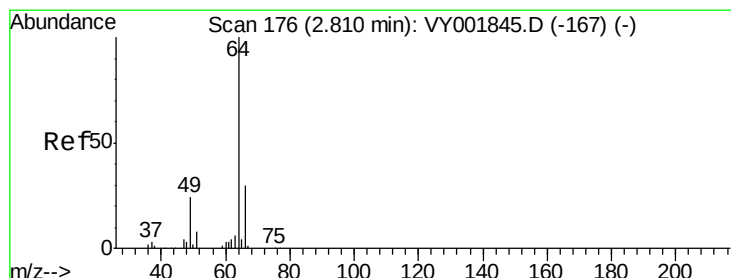
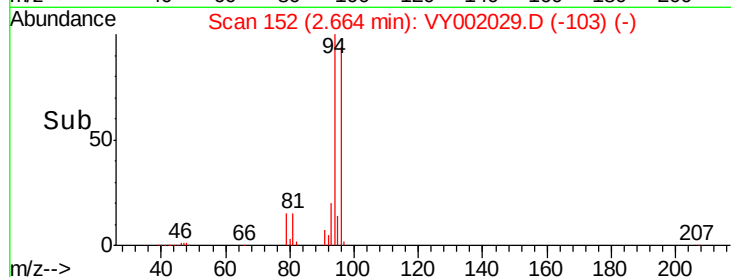
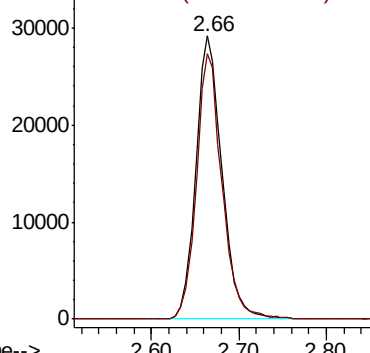
94 100

96 93.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 48.257 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002029.D

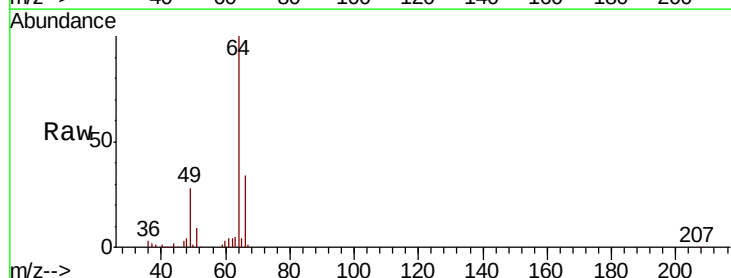
Acq: 19 Mar 2020 18:31

Tgt Ion: 64 Resp: 59094

Ion Ratio Lower Upper

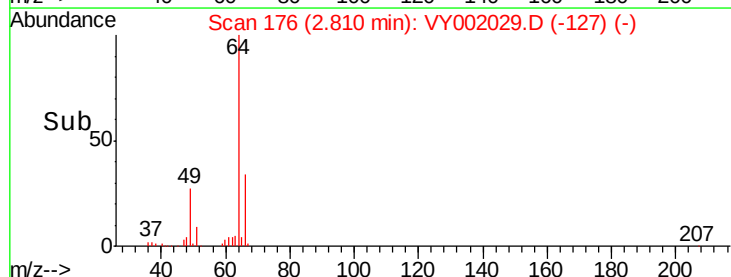
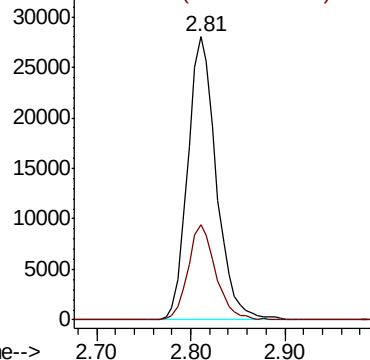
64 100

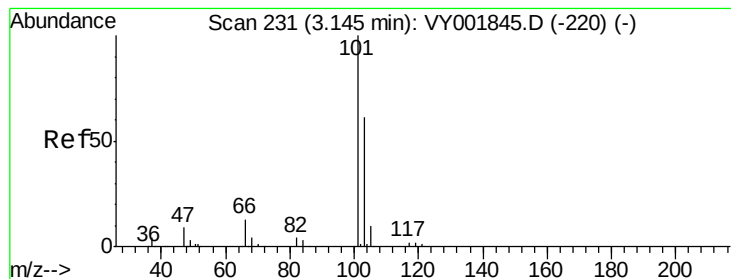
66 33.7 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



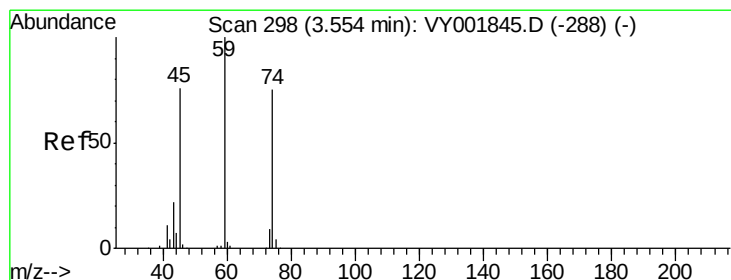
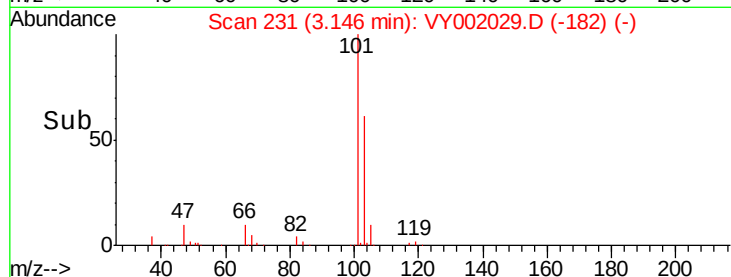
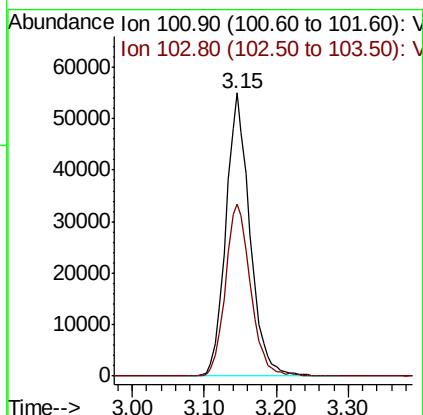
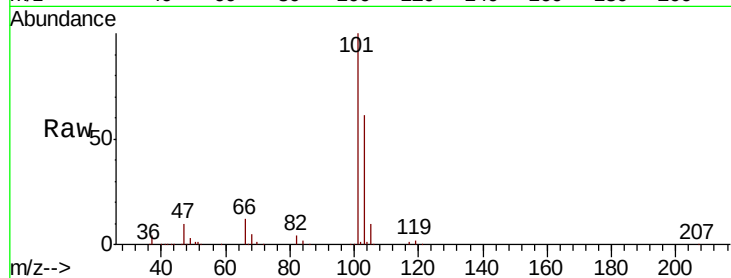


#7

Trichlorofluoromethane
 Concen: 48.239 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

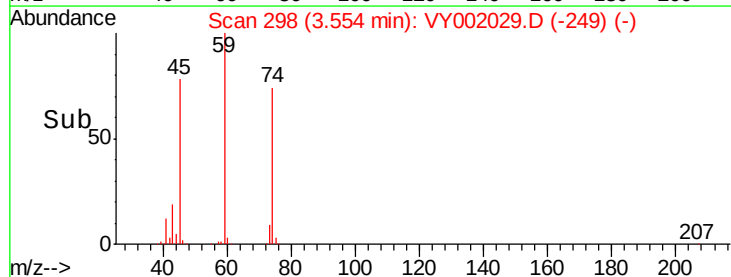
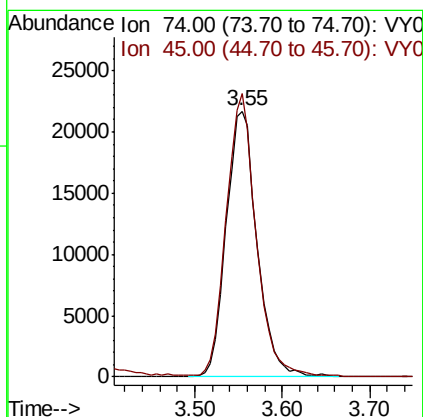
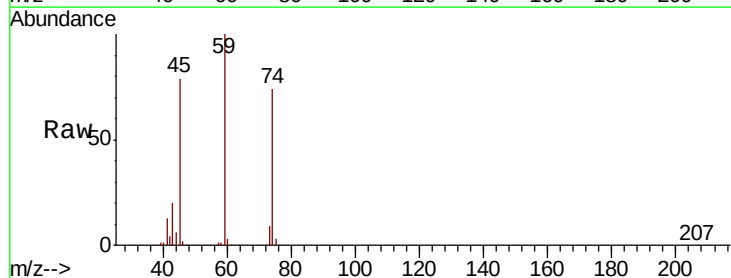
Tot Ion:101 Resp: 127532
 Ion Ratio Lower Upper
 101 100
 103 60.8 49.1 73.7

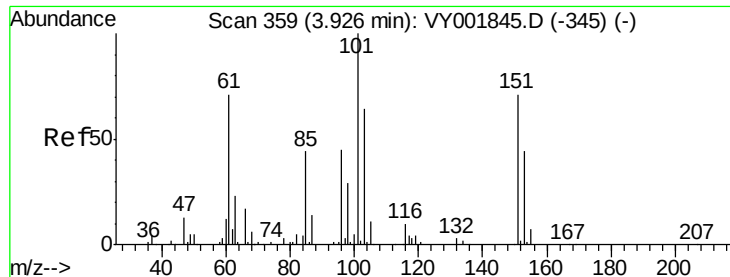


#8

Diethyl Ether
 Concen: 51.074 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 74 Resp: 53218
 Ion Ratio Lower Upper
 74 100
 45 102.1 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.908 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

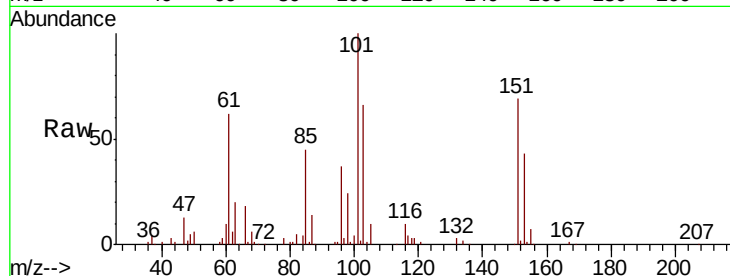
Tot Ion:101 Resp: 83164

Ion Ratio Lower Upper

101 100

85 45.0 35.3 52.9

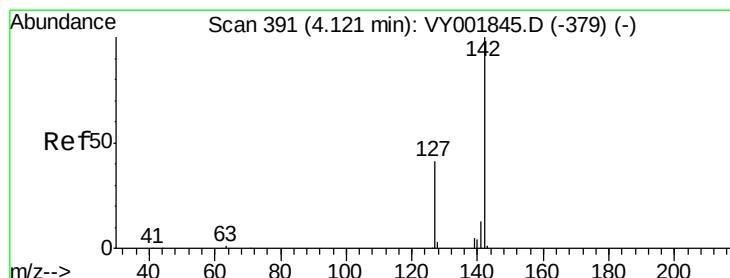
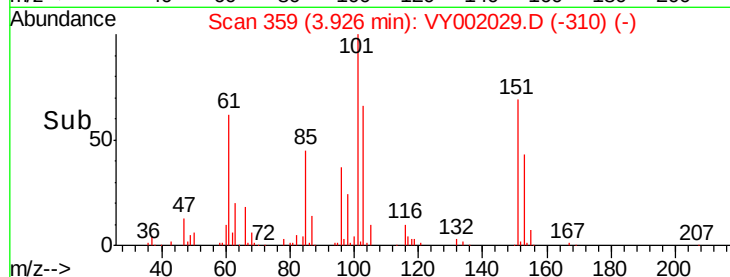
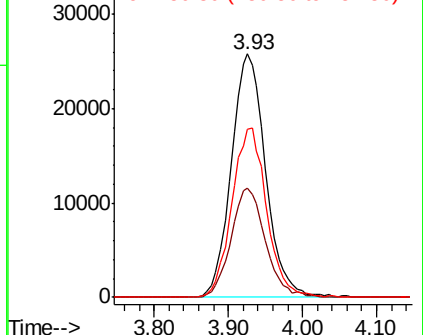
151 70.3 57.0 85.4



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: 48.572 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

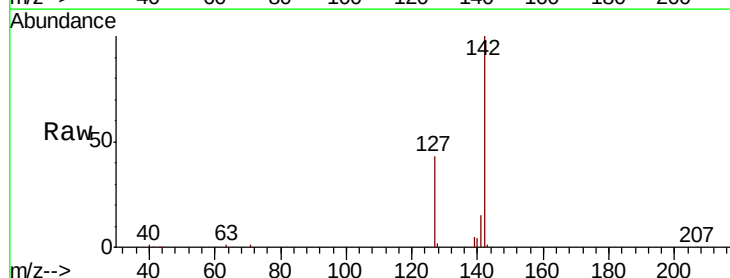
Tgt Ion:142 Resp: 95515

Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

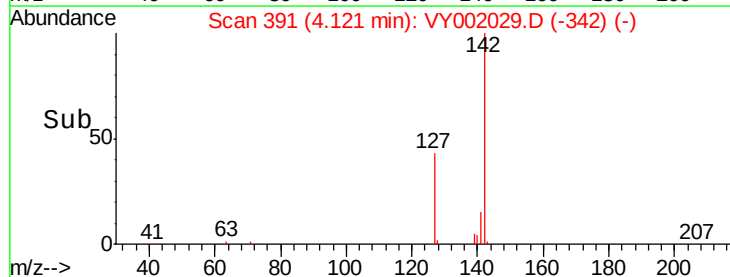
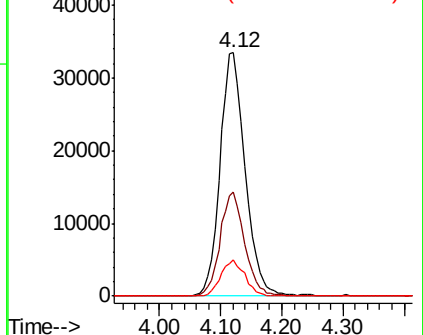
141 14.2 11.0 16.6

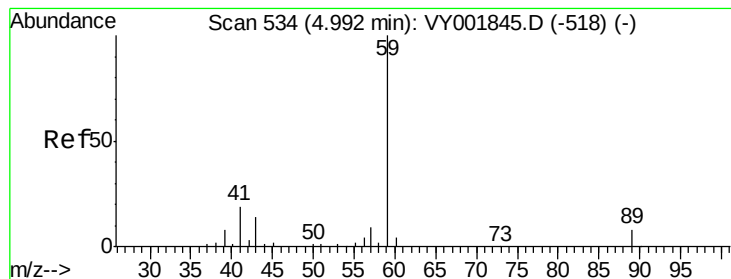


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



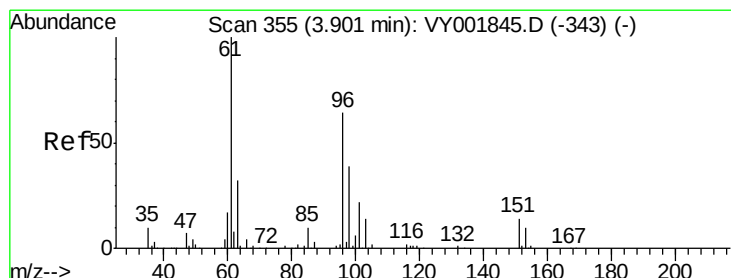
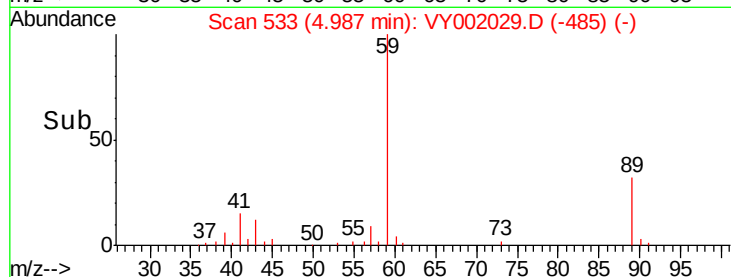
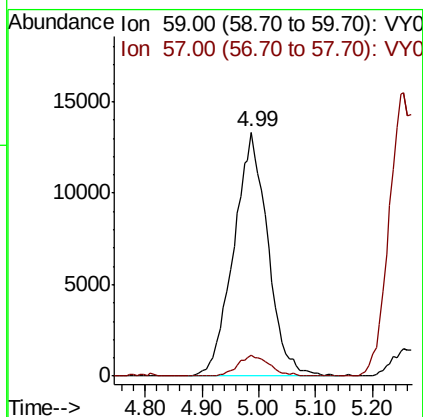
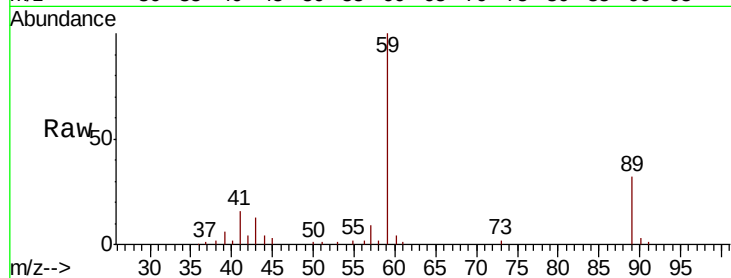


#11

Tert butyl alcohol
 Concen: 332.474 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

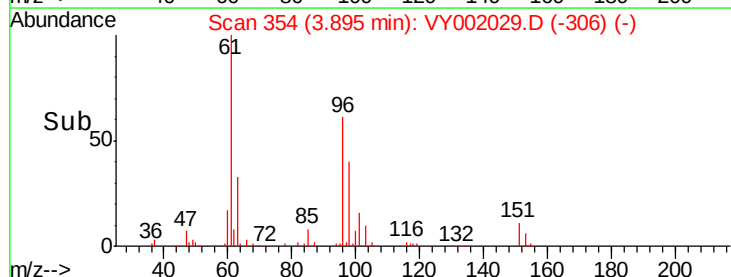
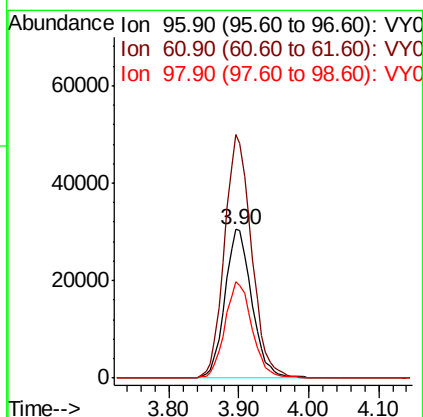
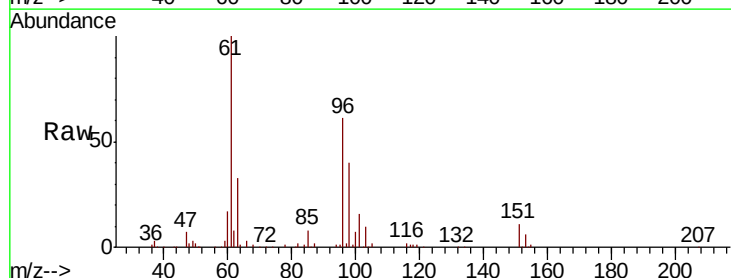
Tot Ion: 59 Resp: 55606
 Ion Ratio Lower Upper
 59 100
 57 7.9 7.4 11.2

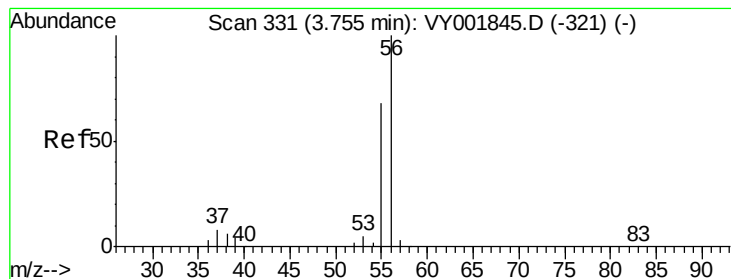


#12

1,1-Dichloroethene
 Concen: 47.732 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 96 Resp: 81724
 Ion Ratio Lower Upper
 96 100
 61 163.6 124.8 187.2
 98 64.7 49.2 73.8





#13

Acrolein

Concen: 201.713 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

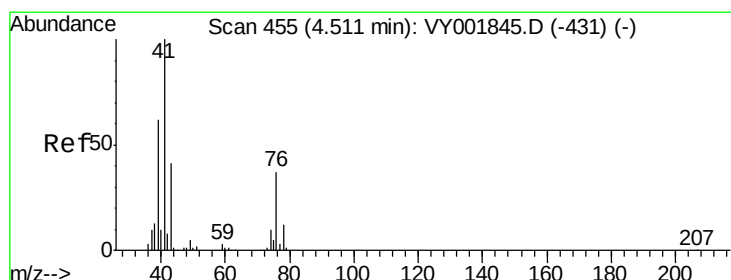
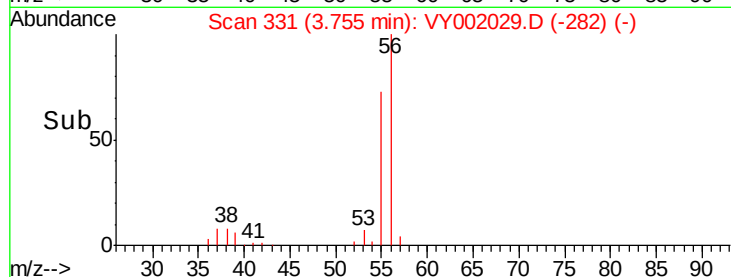
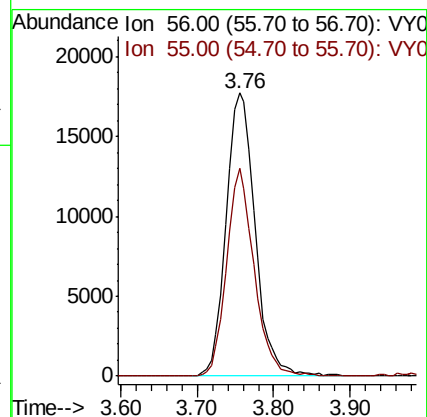
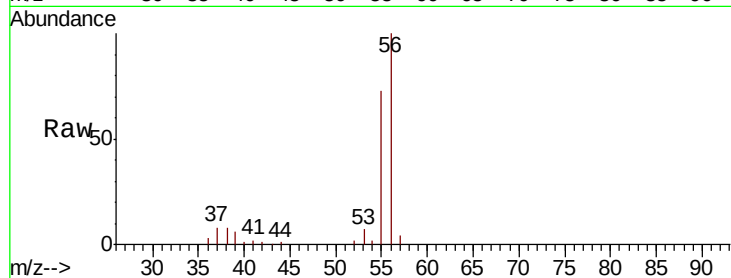
VSTDCCC050EC

Tot Ion: 56 Resp: 46600

Ion Ratio Lower Upper

56 100

55 69.3 54.0 81.0



#14

Allyl chloride

Concen: 52.227 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

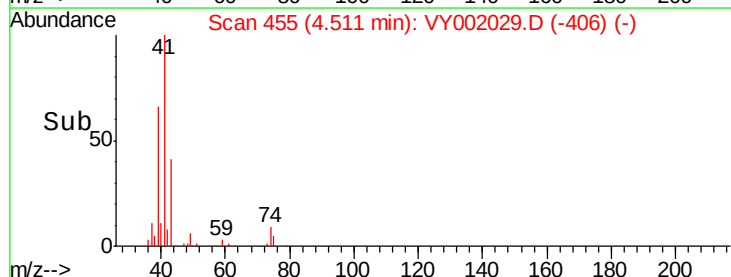
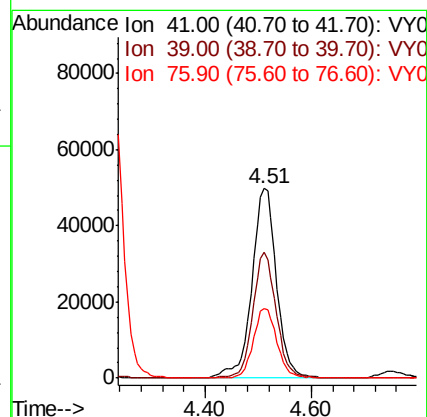
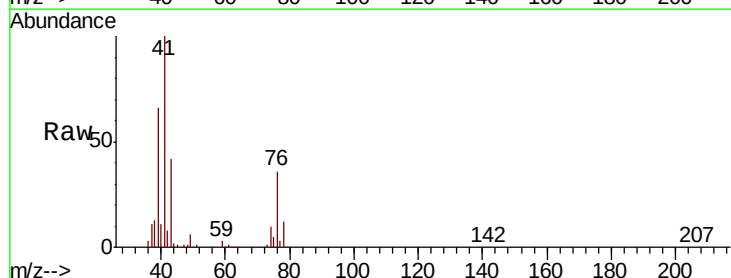
Tgt Ion: 41 Resp: 158526

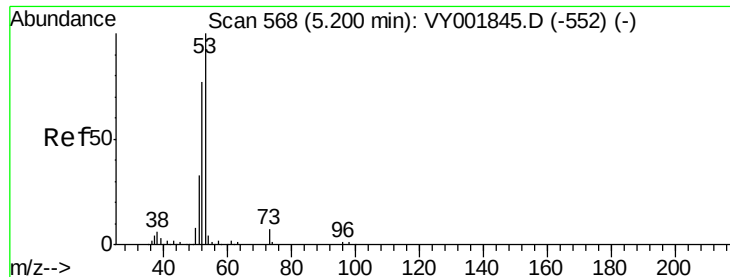
Ion Ratio Lower Upper

41 100

39 62.8 49.0 73.6

76 34.9 28.9 43.3





#15

Acrylonitrile

Concen: 251.861 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

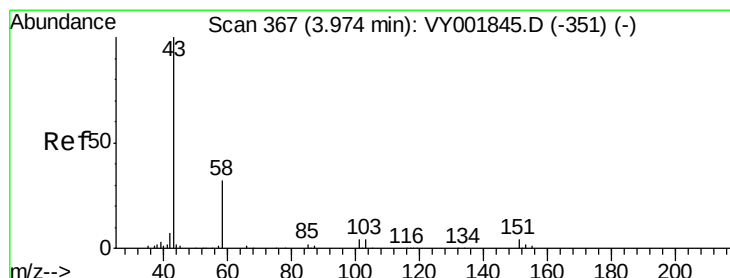
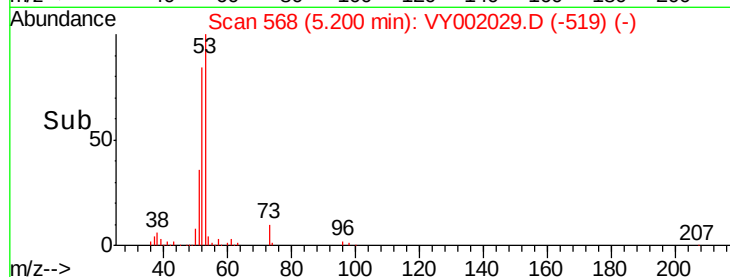
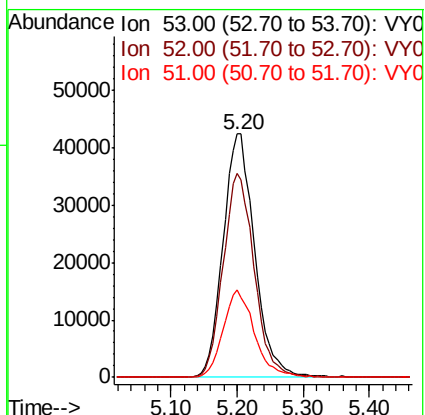
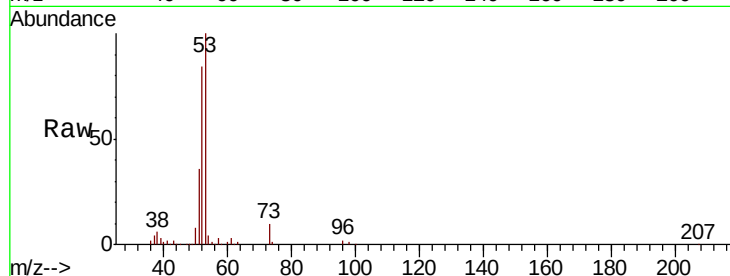
Tot Ion: 53 Resp: 140236

Ion Ratio Lower Upper

53 100

52 82.1 65.1 97.7

51 35.6 27.5 41.3



#16

Acetone

Concen: 220.080 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002029.D

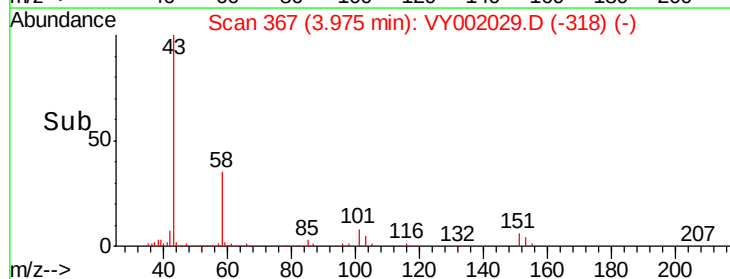
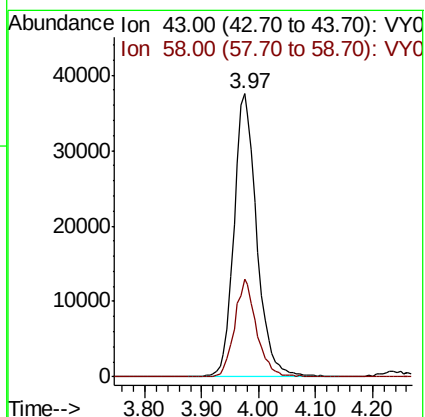
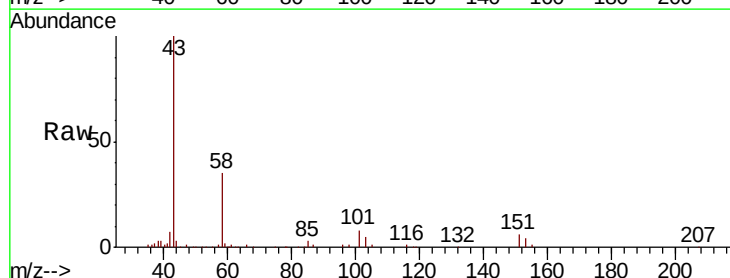
Acq: 19 Mar 2020 18:31

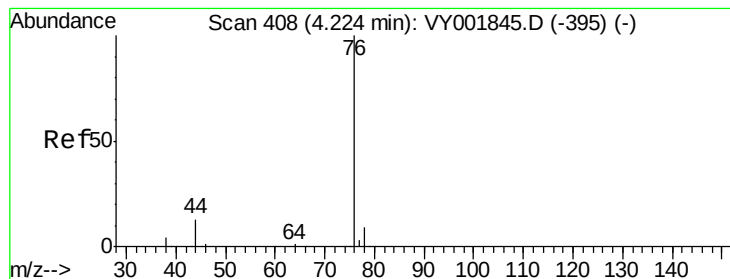
Tgt Ion: 43 Resp: 105381

Ion Ratio Lower Upper

43 100

58 34.7 25.9 38.9





#17

Carbon Disulfide

Concen: 43.600 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

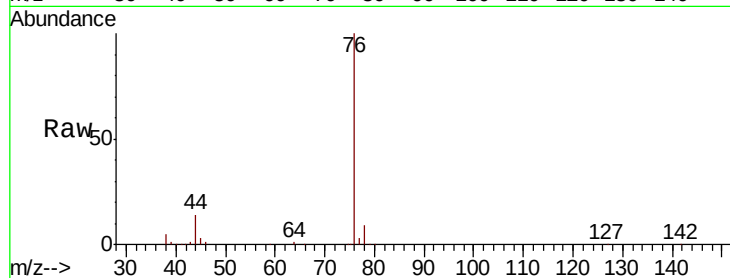
VSTDCCC050EC

Tot Ion: 76 Resp: 250946

Ion Ratio Lower Upper

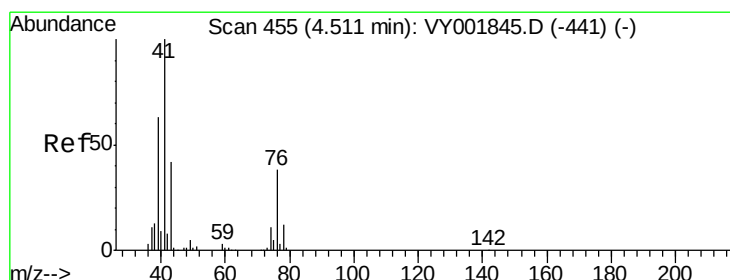
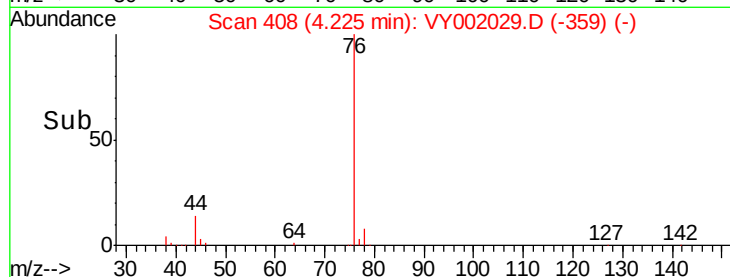
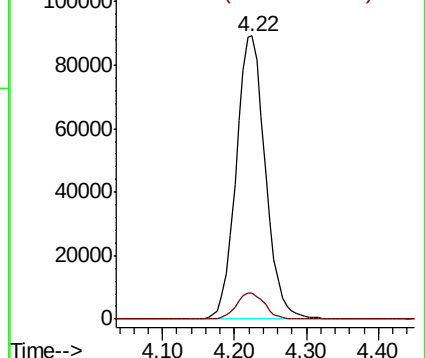
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 50.792 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY002029.D

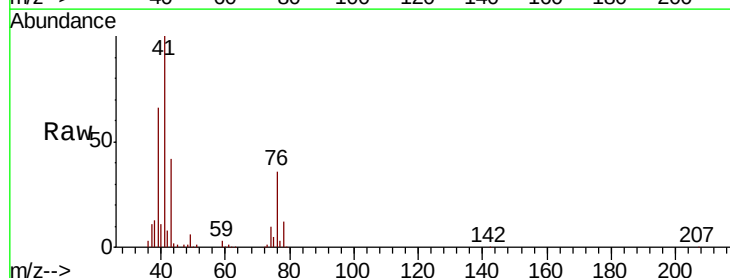
Acq: 19 Mar 2020 18:31

Tgt Ion: 43 Resp: 62491

Ion Ratio Lower Upper

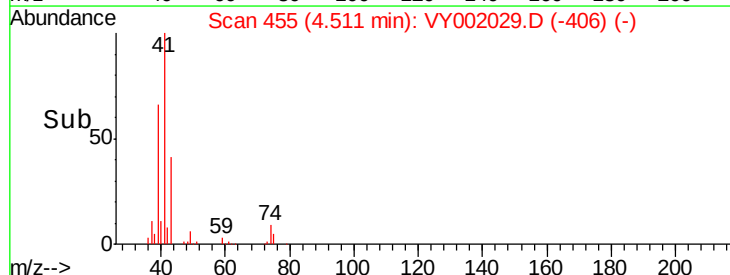
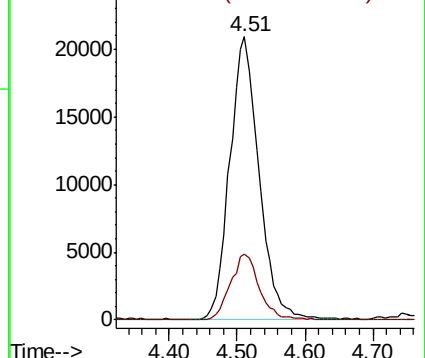
43 100

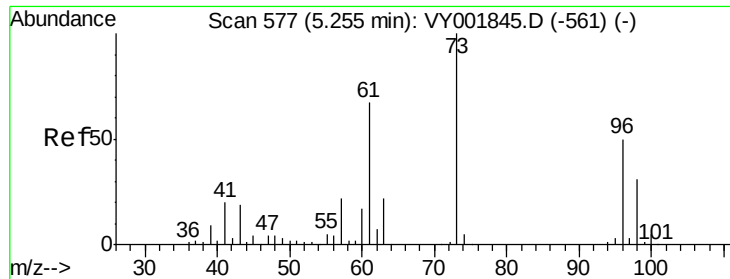
74 22.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

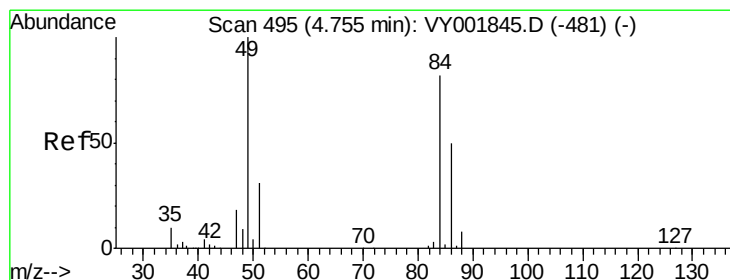
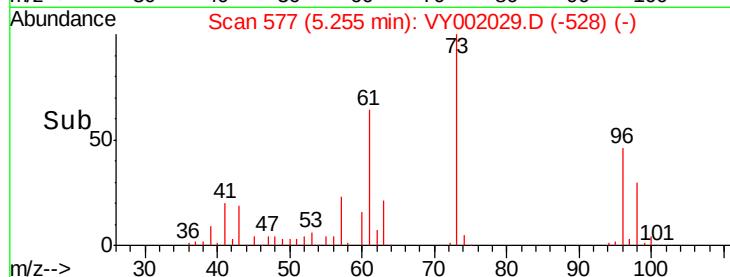
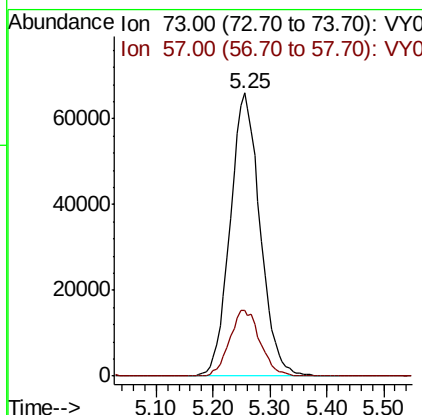
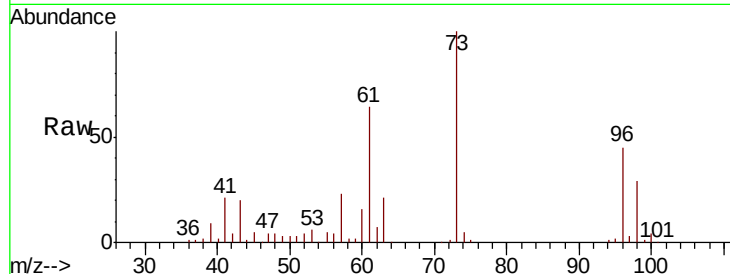




#19
Methvl tert-butyl Ether
Concen: 52.148 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

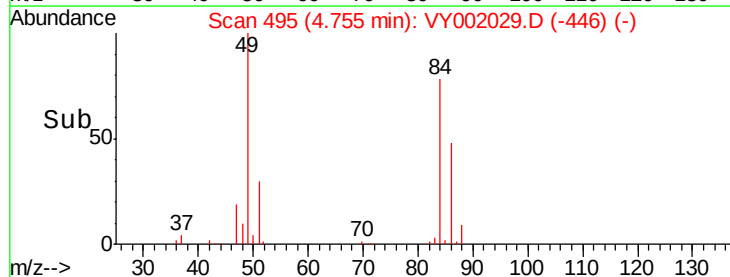
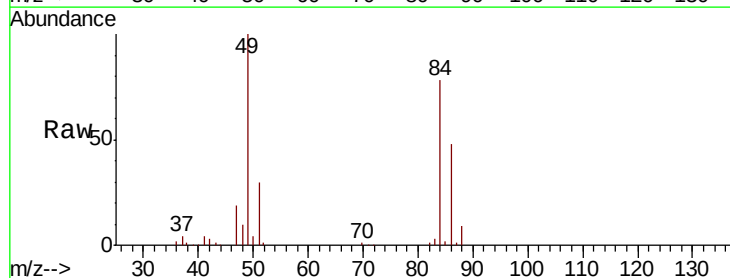
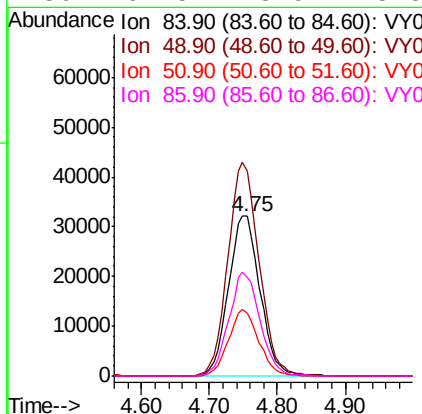
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

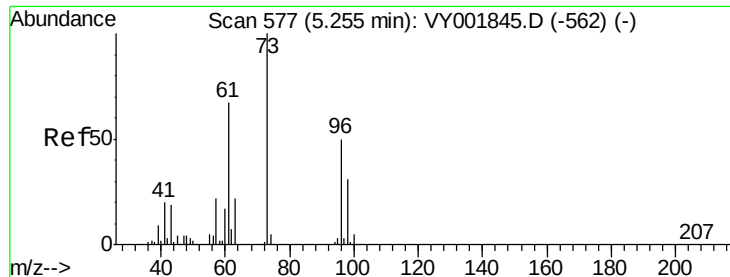
Tot Ion: 73 Resp: 241957
Ion Ratio Lower Upper
73 100
57 23.4 17.4 26.2



#20
Methylene Chloride
Concen: 50.180 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion: 84 Resp: 102979
Ion Ratio Lower Upper
84 100
49 128.3 98.2 147.2
51 39.0 30.2 45.2
86 61.5 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 49.475 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

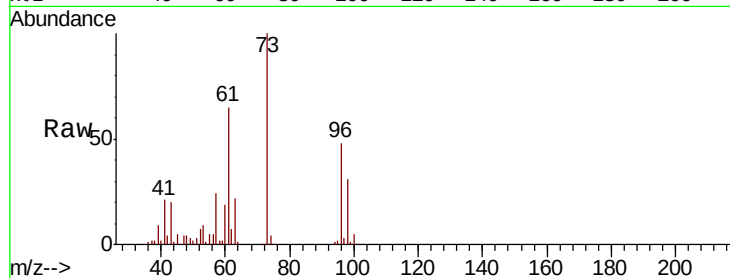
Tot Ion: 96 Resp: 96146

Ion Ratio Lower Upper

96 100

61 136.7 107.7 161.5

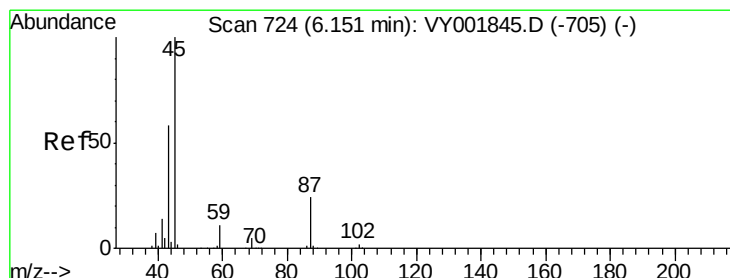
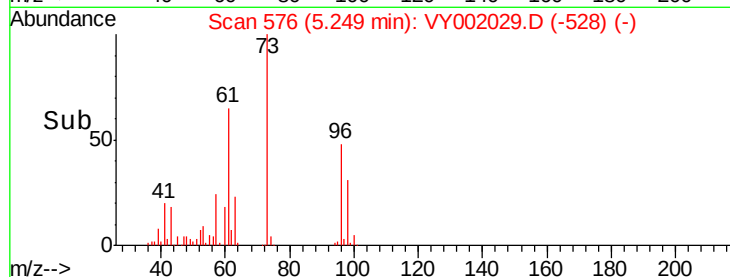
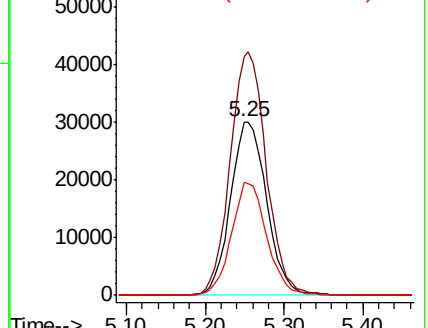
98 65.3 49.3 73.9



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: 54.366 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Tgt Ion: 45 Resp: 338255

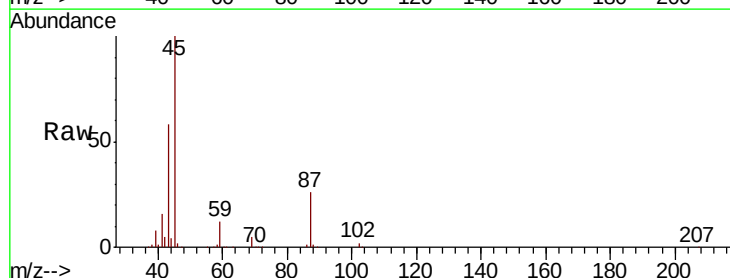
Ion Ratio Lower Upper

45 100

43 57.7 47.2 70.8

87 26.1 19.8 29.8

59 12.0 8.8 13.2

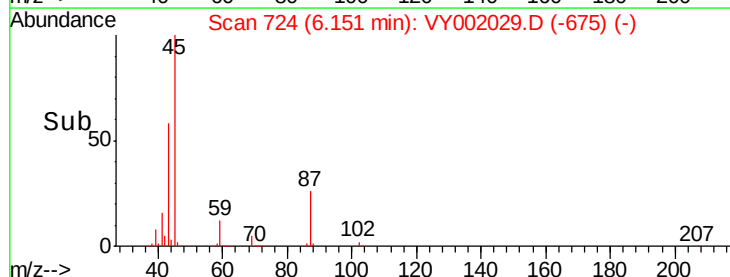
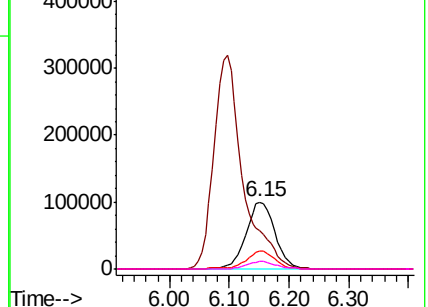


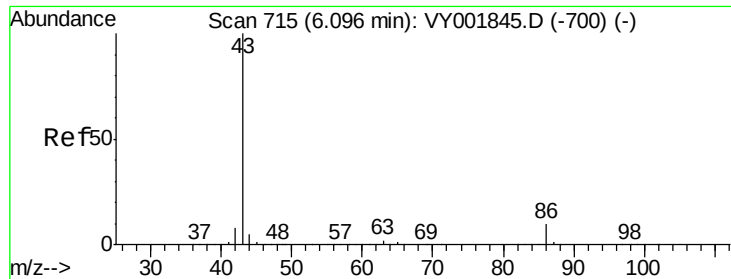
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 263.479 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

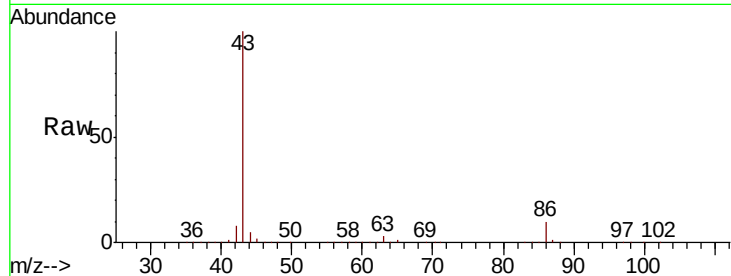
VSTDCCC050EC

Tot Ion: 43 Resp: 1074688

Ion Ratio Lower Upper

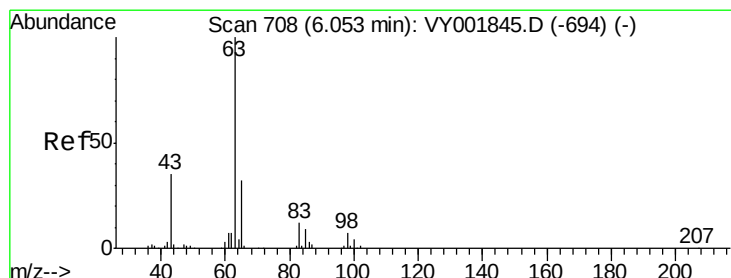
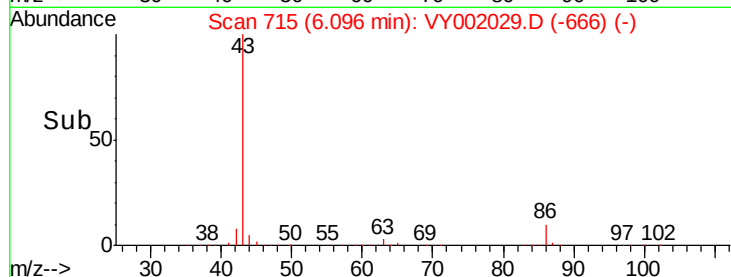
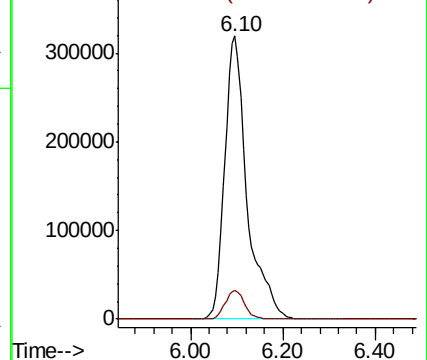
43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 52.514 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

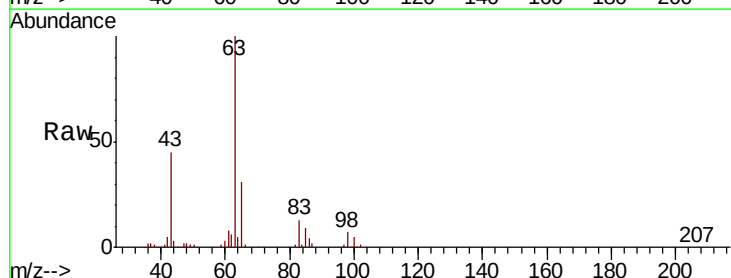
Tgt Ion: 63 Resp: 176936

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

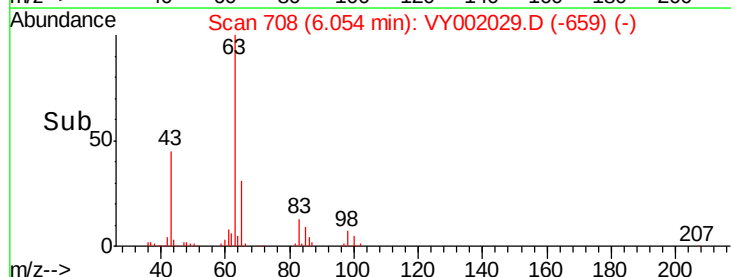
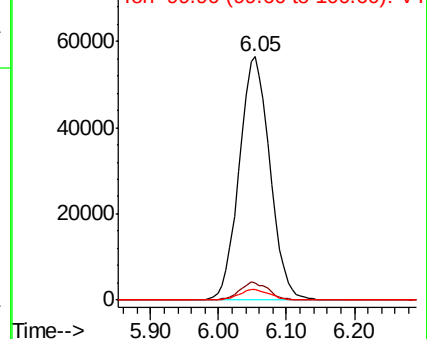
100 4.5 2.0 6.0

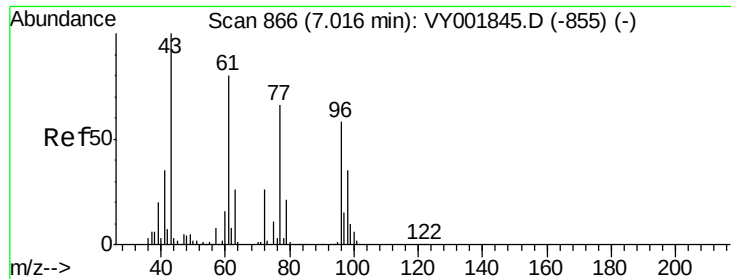


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 245.831 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

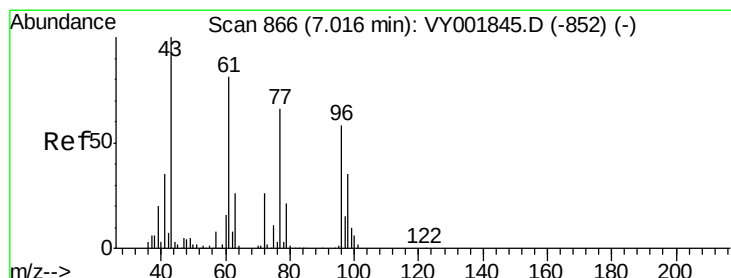
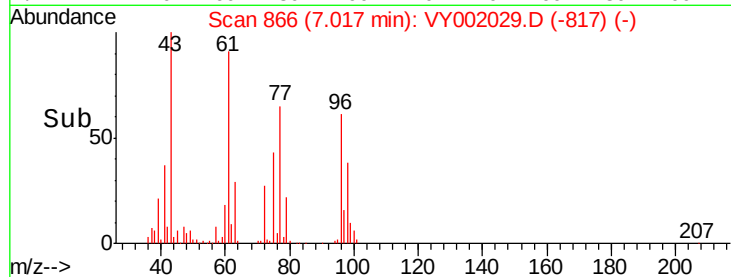
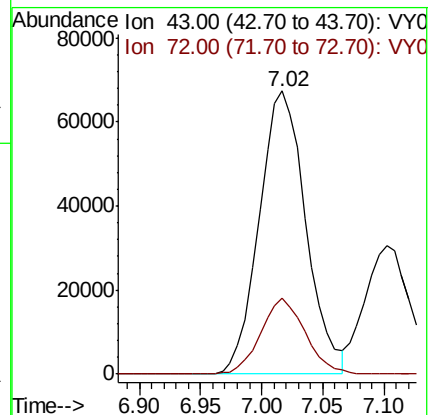
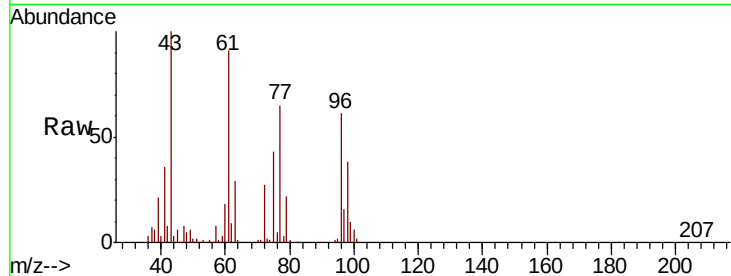
VSTDCCC050EC

Tot Ion: 43 Resp: 179007

Ion Ratio Lower Upper

43 100

72 26.7 20.9 31.3



#26

2,2-Dichloropropane

Concen: 51.071 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002029.D

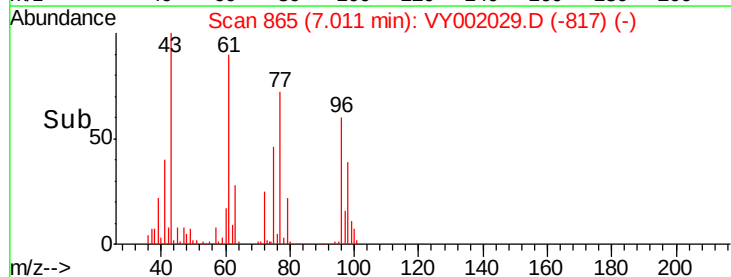
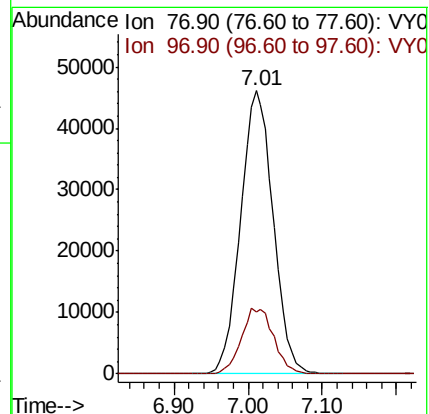
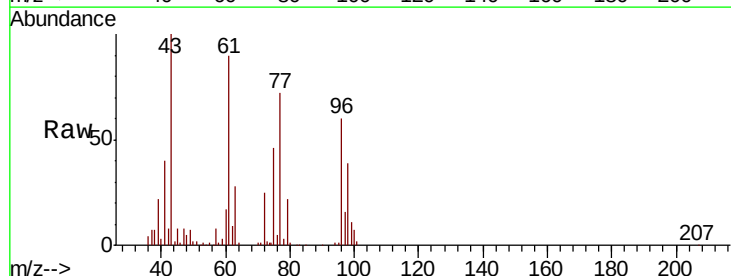
Acq: 19 Mar 2020 18:31

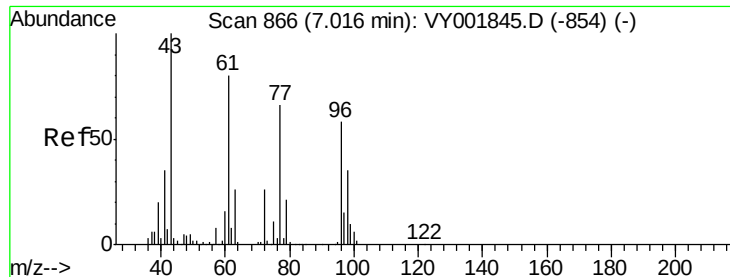
Tgt Ion: 77 Resp: 141234

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.7



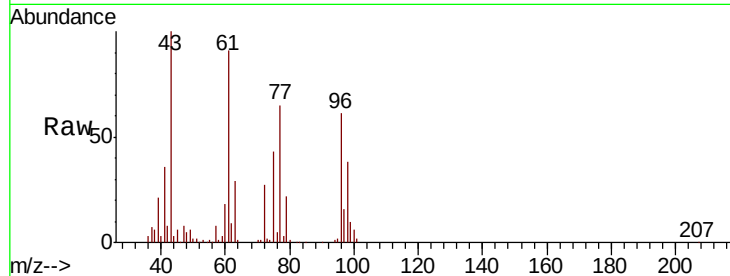


#27

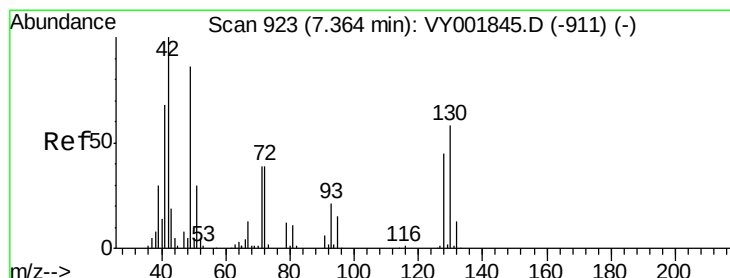
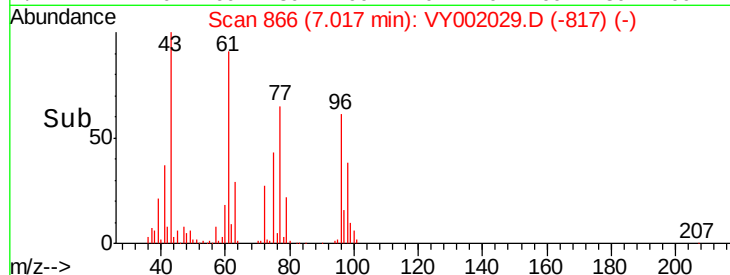
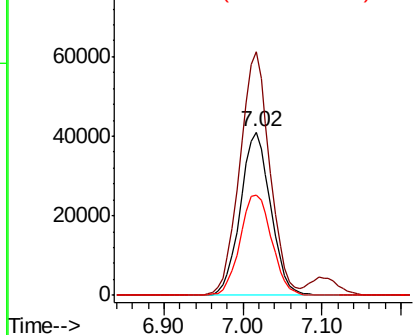
cis-1,2-Dichloroethene
 Concen: 51.799 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 109498
 Ion Ratio Lower Upper
 96 100
 61 148.0 0.0 288.2
 98 64.7 0.0 129.0



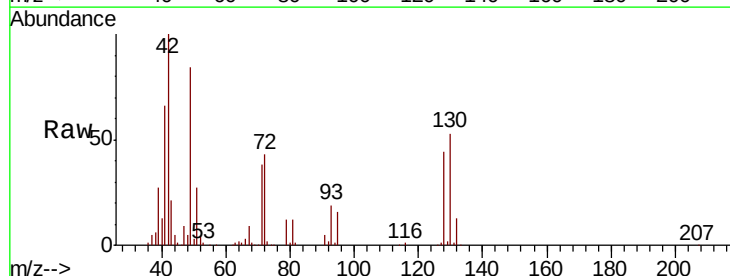
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



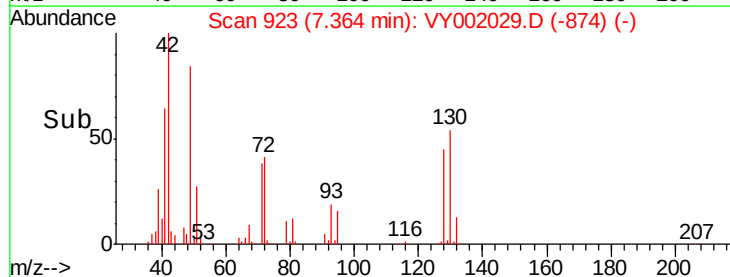
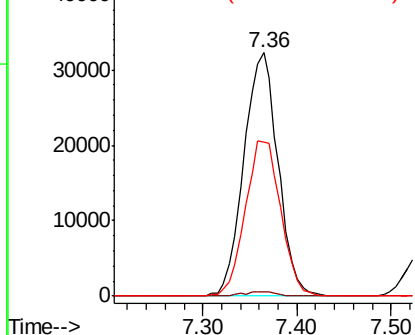
#28

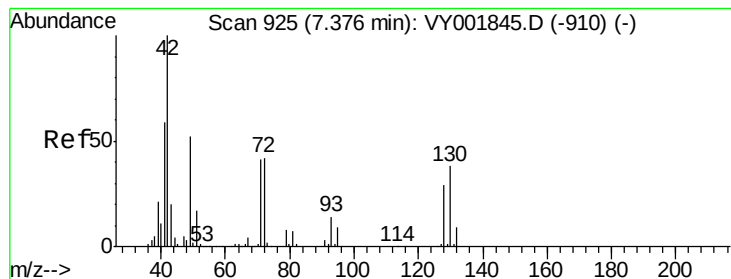
Bromochloromethane
 Concen: 53.986 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 49 Resp: 81989
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 66.6 54.4 81.6



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





#29

Tetrahydrofuran

Concen: 250.442 ug/l

RT: 7.37 min Scan# 924

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

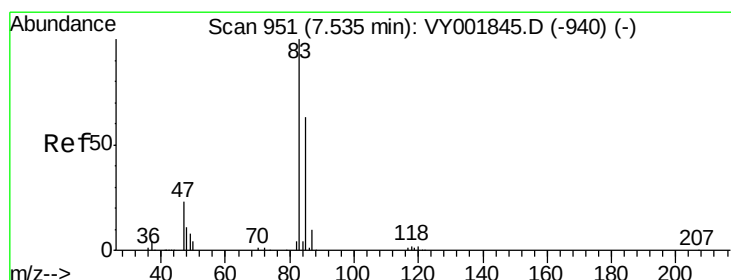
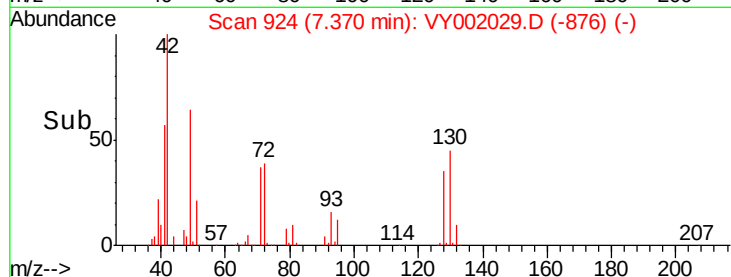
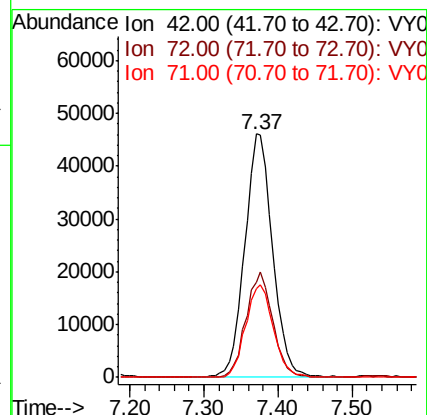
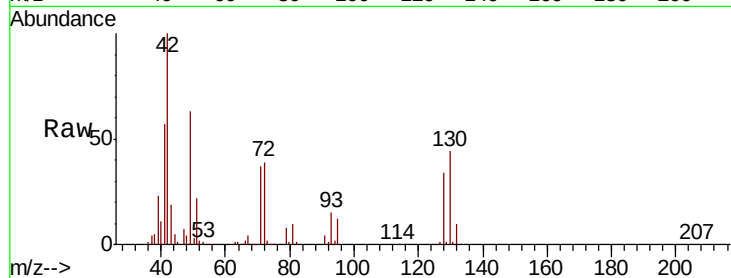
Tot Ion: 42 Resp: 121102

Ion Ratio Lower Upper

42 100

72 41.6 33.5 50.3

71 37.9 31.3 46.9



#30

Chloroform

Concen: 52.724 ug/l

RT: 7.53 min Scan# 951

Delta R.T. 0.00 min

Lab File: VY002029.D

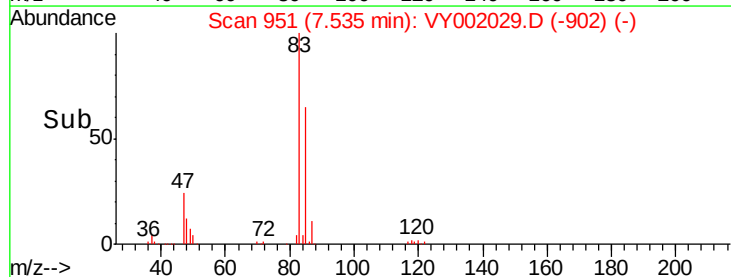
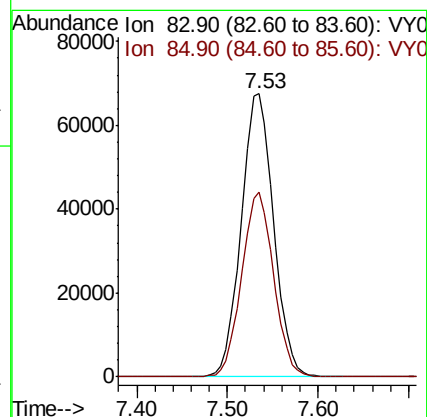
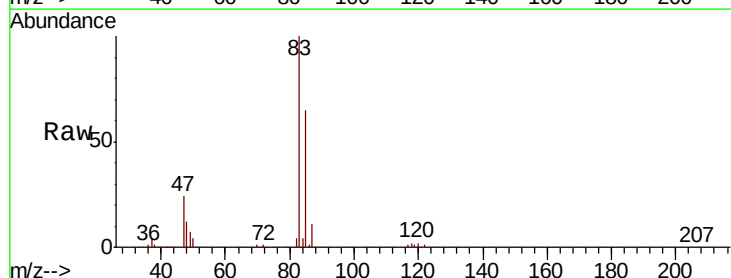
Acq: 19 Mar 2020 18:31

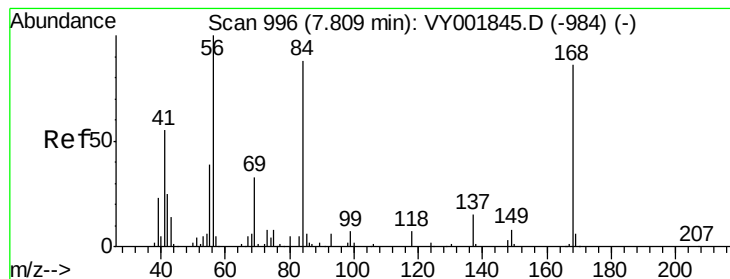
Tgt Ion: 83 Resp: 166900

Ion Ratio Lower Upper

83 100

85 65.4 50.7 76.1





#31

Cyclohexane

Concen: 46.231 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

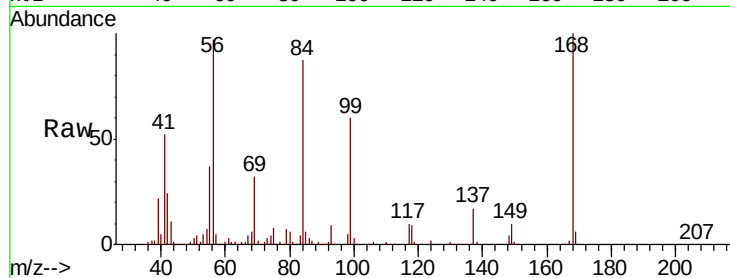
Tot Ion: 56 Resp: 167015

Ion Ratio Lower Upper

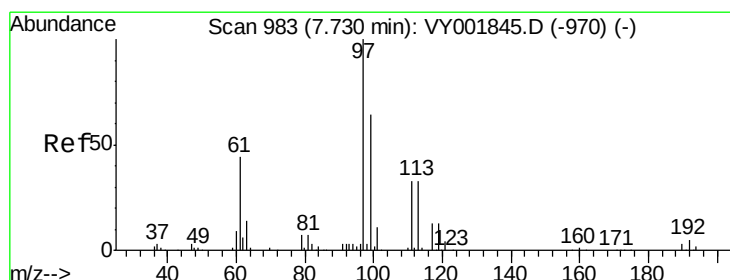
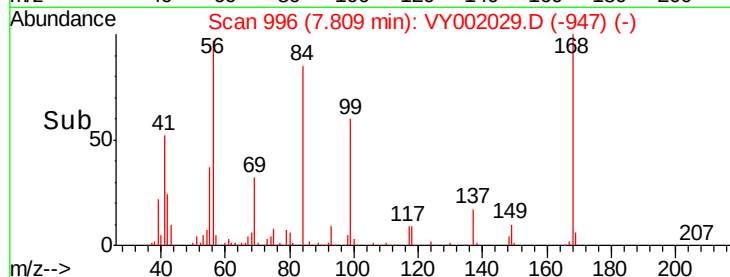
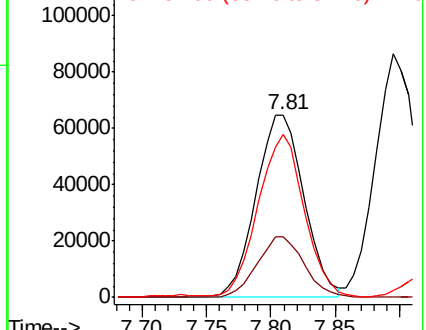
56 100

69 33.0 26.7 40.1

84 88.0 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 52.540 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

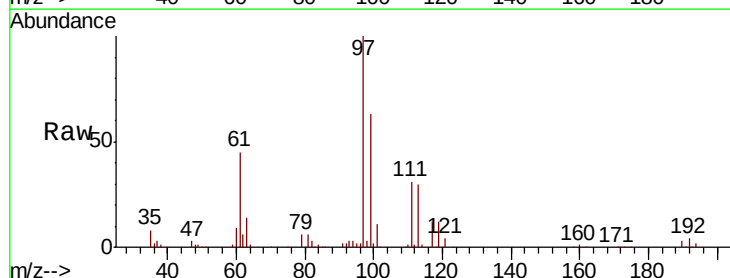
Tgt Ion: 97 Resp: 140180

Ion Ratio Lower Upper

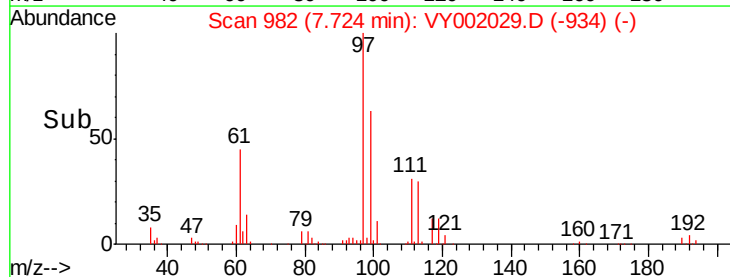
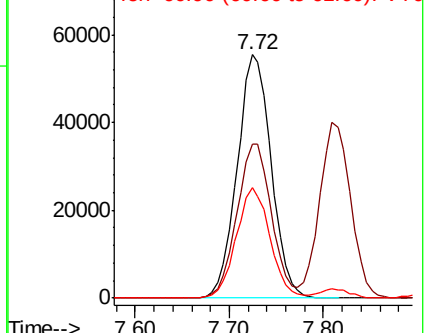
97 100

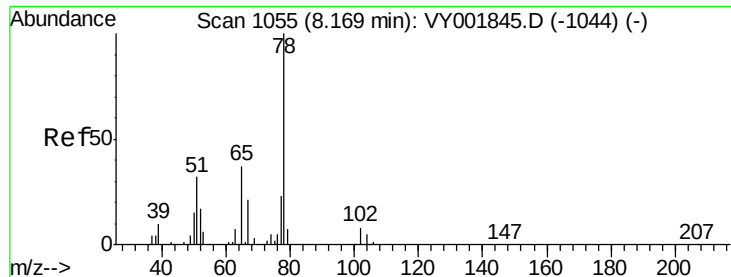
99 64.5 52.0 78.0

61 45.1 35.0 52.4



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

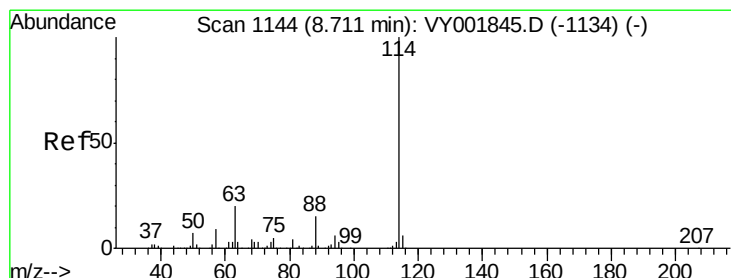
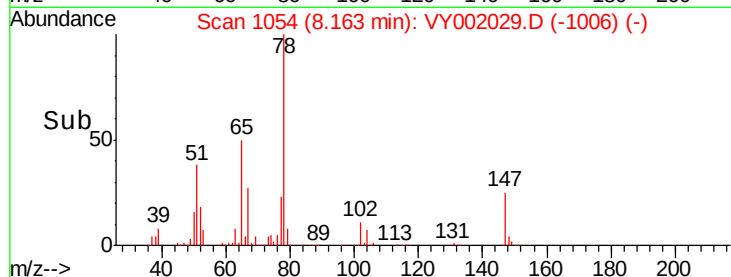
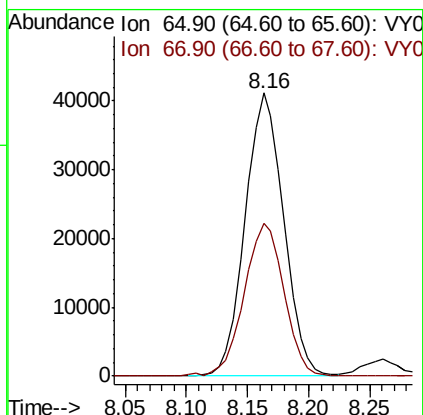
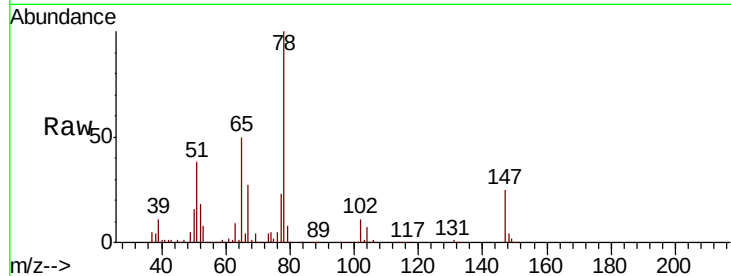




#33
 1,2-Dichloroethane-d4
 Concen: 54.961 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

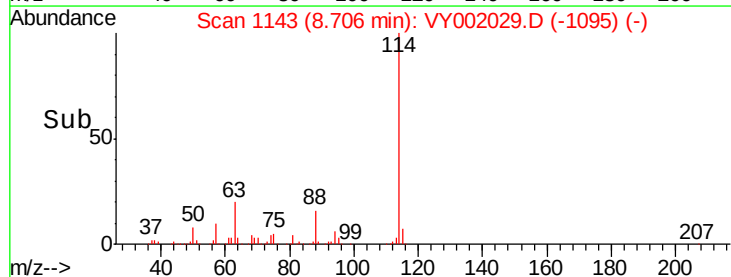
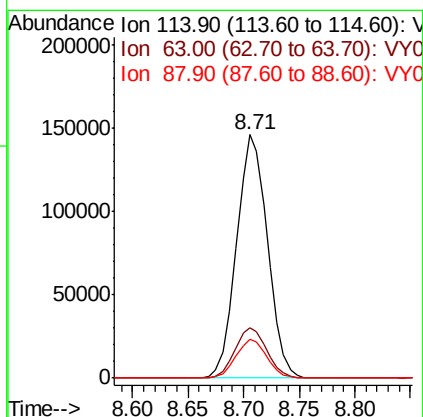
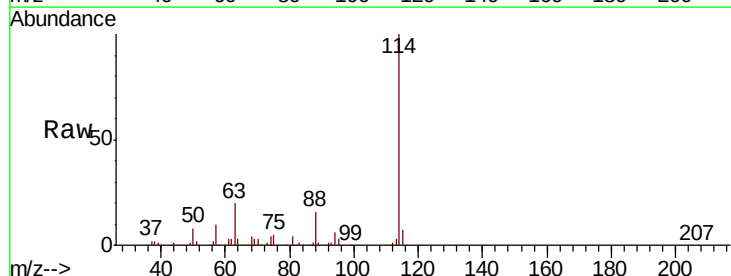
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

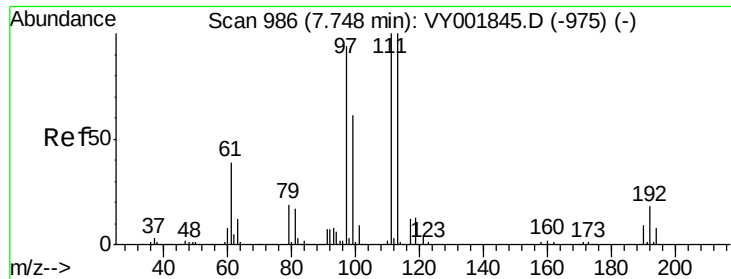
Tot Ion: 65 Resp: 90356
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 114 Resp: 281189
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.4
 88 15.8 0.0 30.4

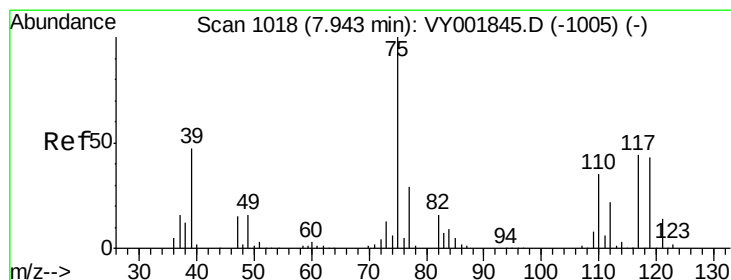
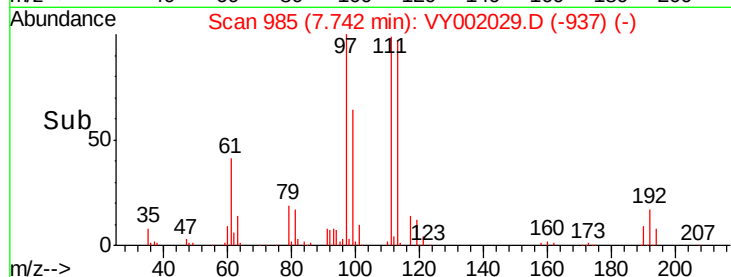
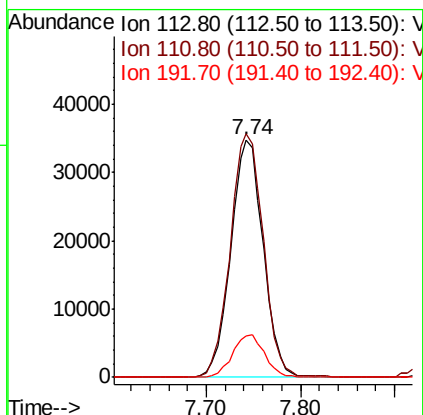
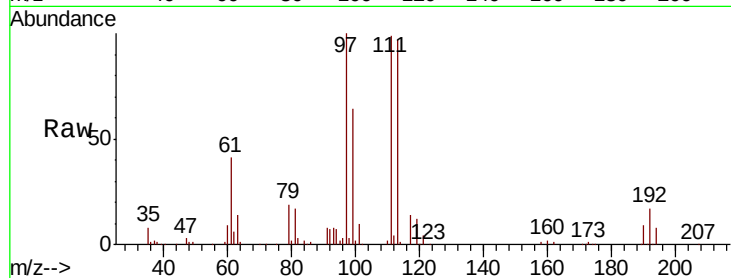




#35
 Dibromofluoromethane
 Concen: 54.106 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

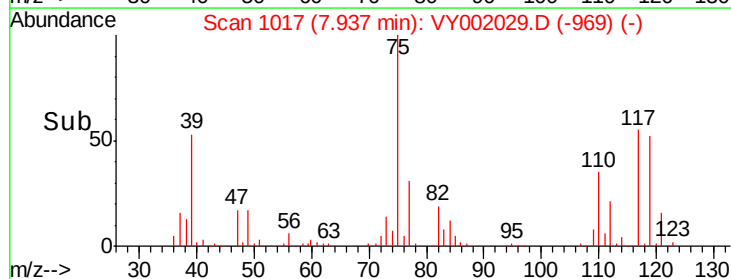
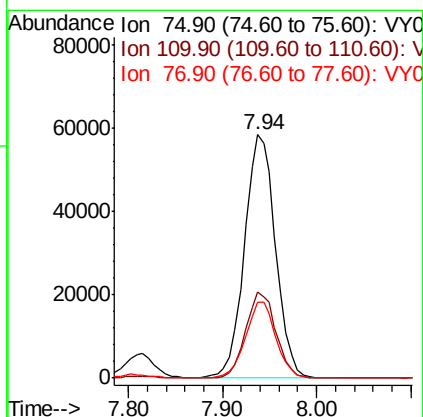
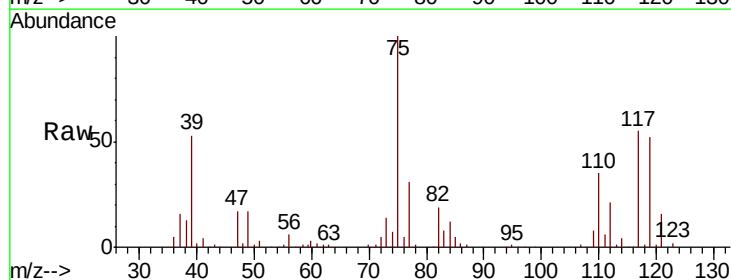
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

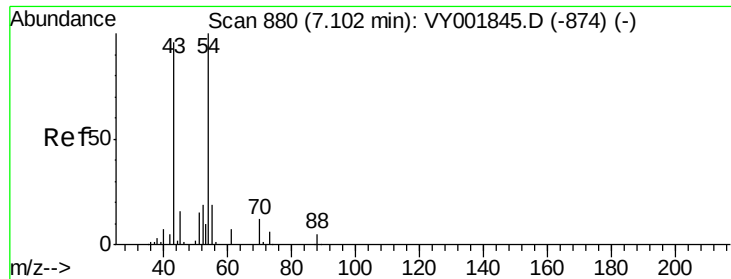
Tot Ion:113 Resp: 83076
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.8 122.8
 192 17.9 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 49.915 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 75 Resp: 135065
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.4 52.2
 77 30.8 24.2 36.2

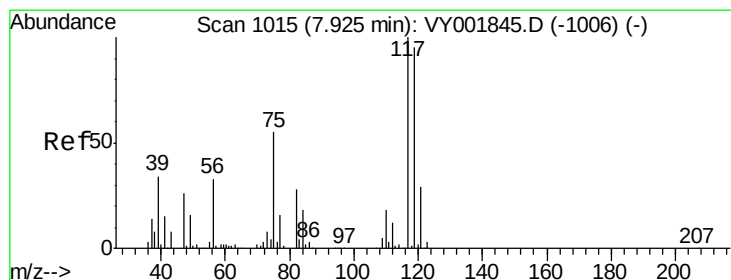
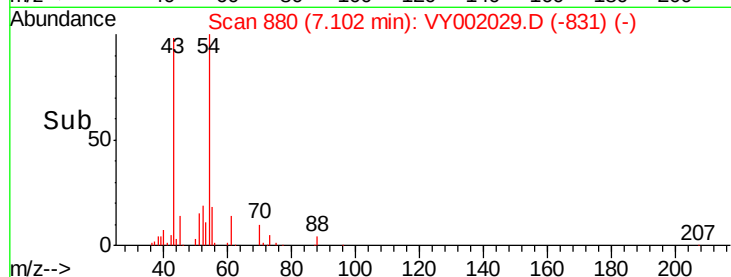
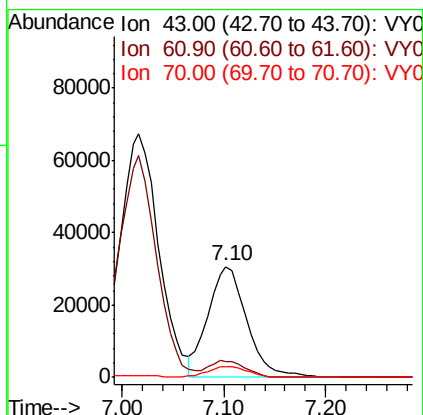
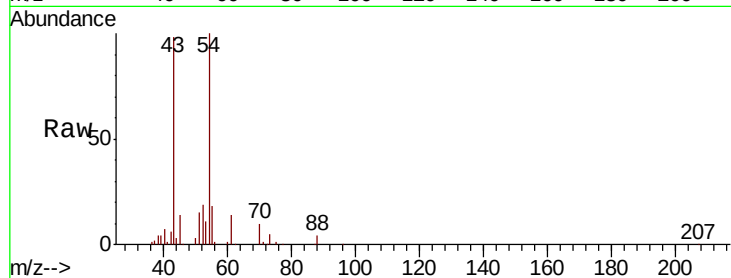




#37
Ethyl Acetate
Concen: 51.301 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

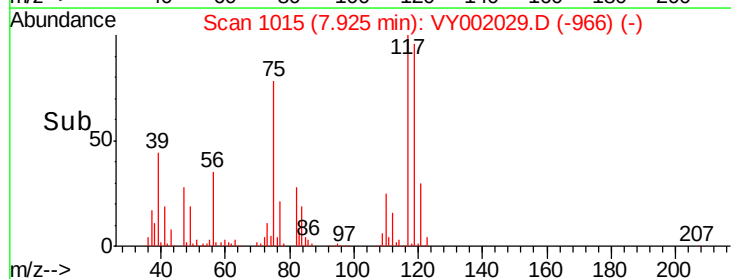
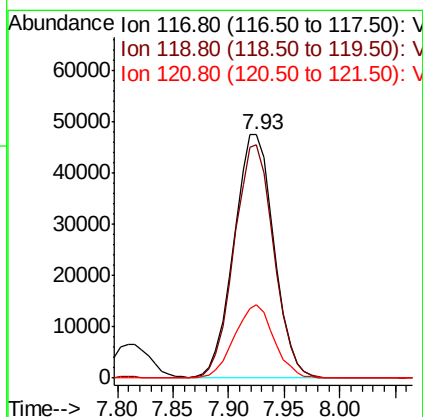
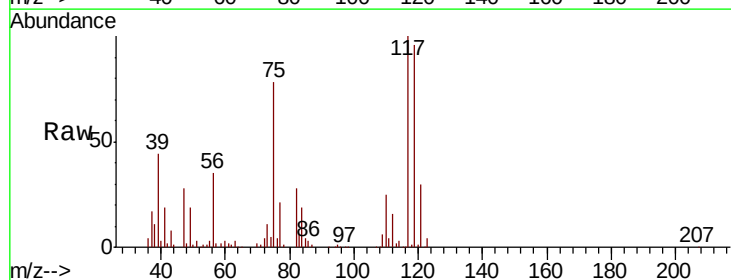
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

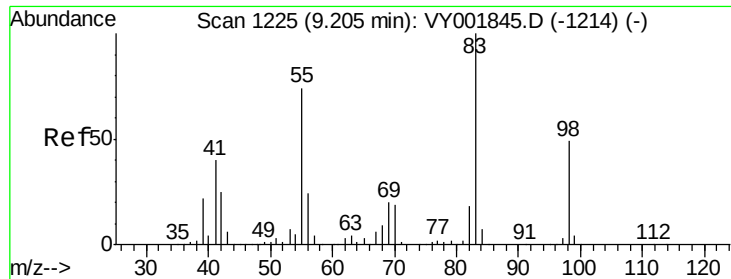
Tot Ion: 43 Resp: 80680
Ion Ratio Lower Upper
43 100
61 14.6 11.1 16.7
70 10.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 51.431 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion: 117 Resp: 118884
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5
121 30.3 23.5 35.3

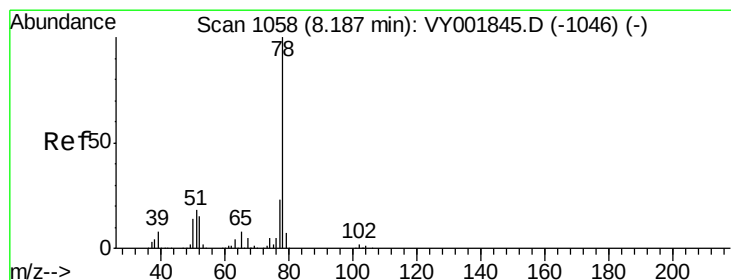
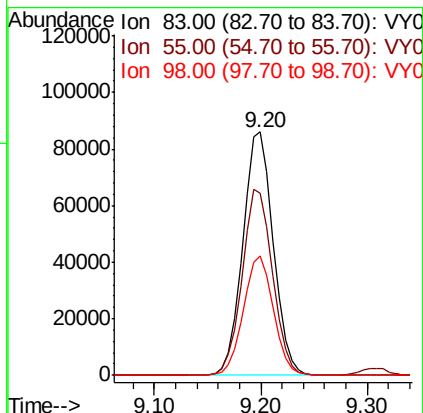
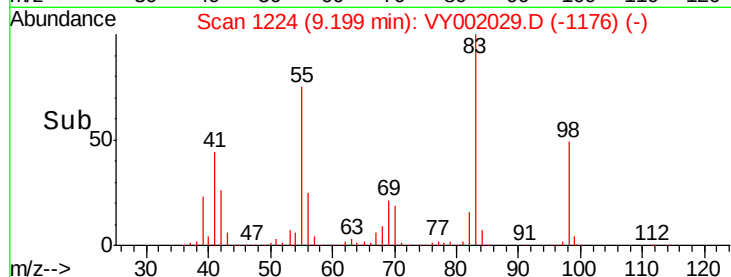
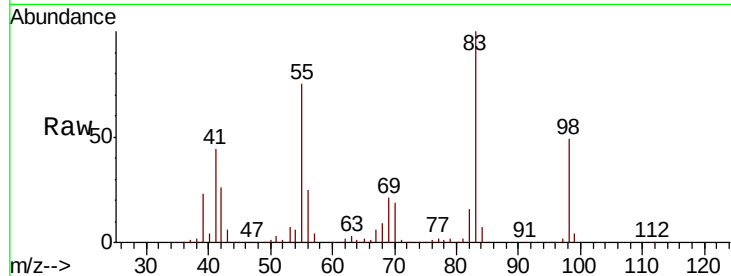




#39
Methylvlcyclohexane
Concen: 48.170 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

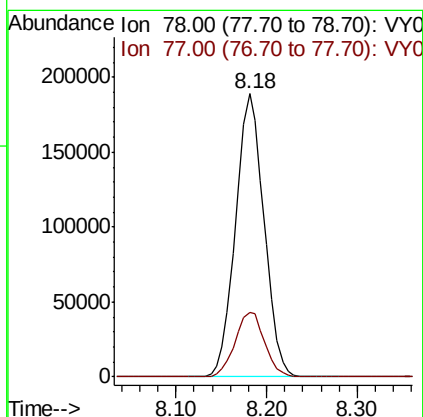
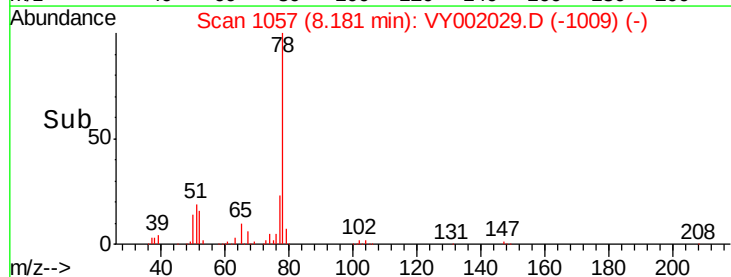
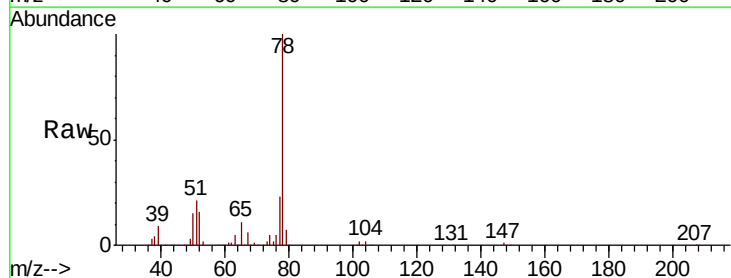
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

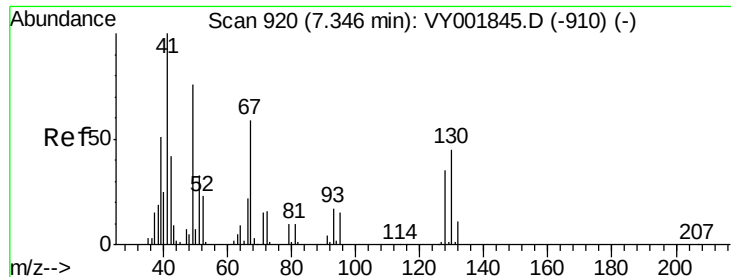
Tot Ion: 83 Resp: 172878
Ion Ratio Lower Upper
83 100
55 74.8 59.4 89.0
98 48.9 38.9 58.3



#40
Benzene
Concen: 51.192 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion: 78 Resp: 410575
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1

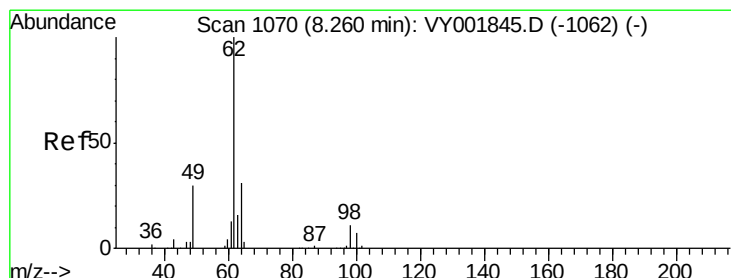
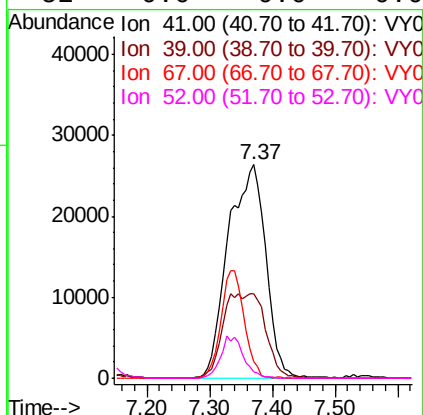
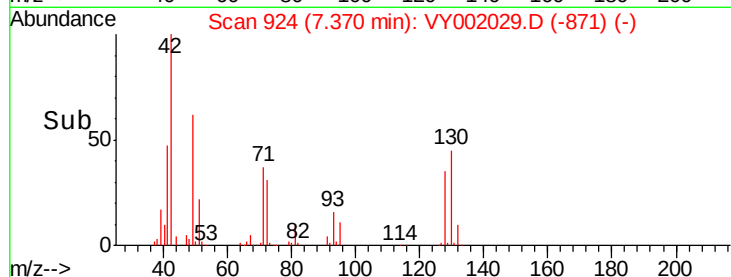
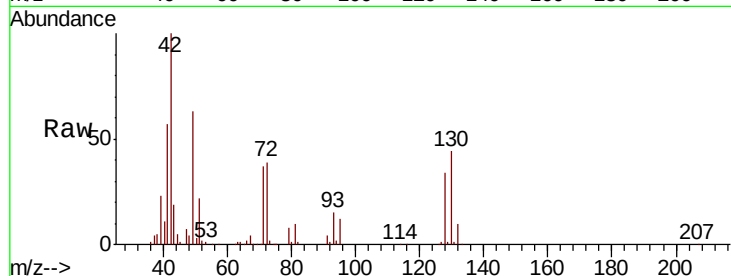




#41
Methacrylonitrile
Concen: 154.294 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

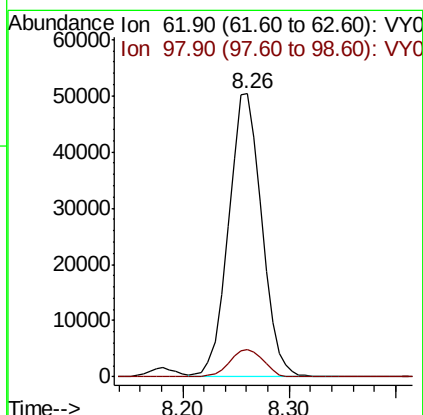
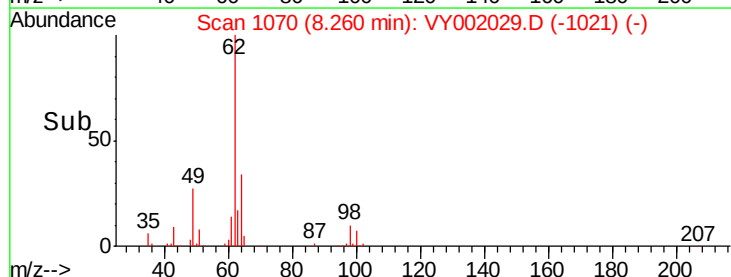
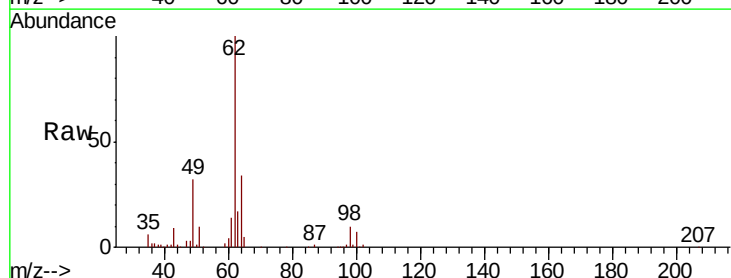
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

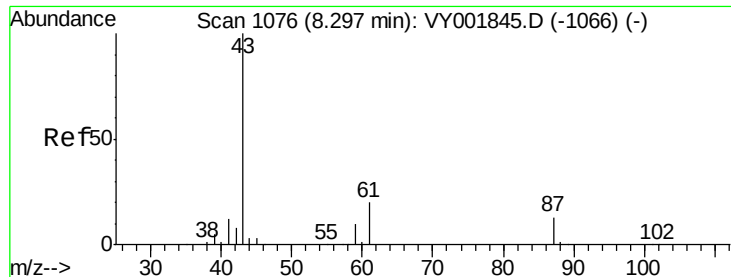
Tot Ion: 41 Resp: 109203
Ion Ratio Lower Upper
41 100
39 0.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 53.337 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion: 62 Resp: 110230
Ion Ratio Lower Upper
62 100
98 9.9 0.0 21.4

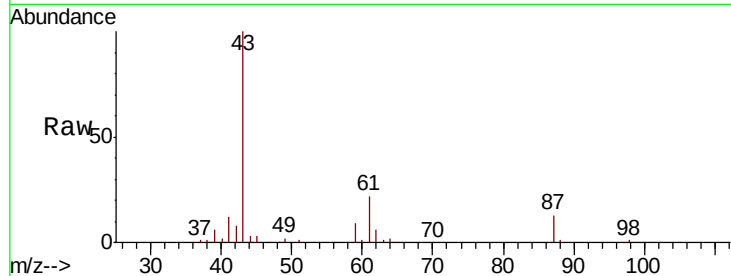




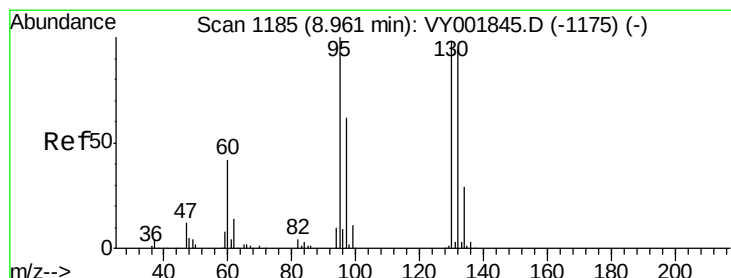
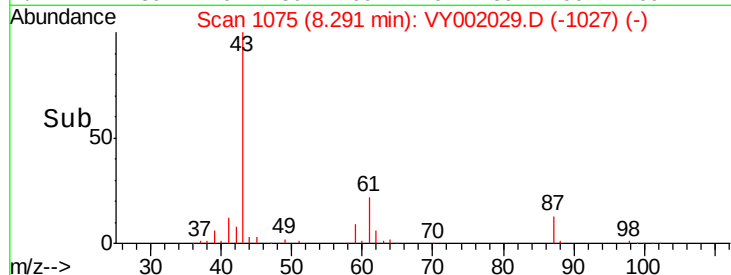
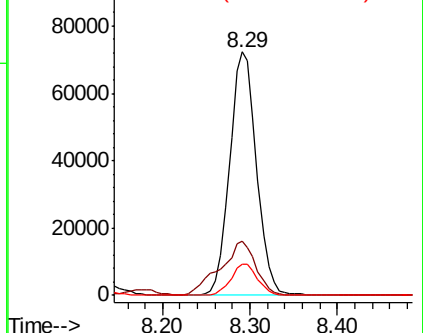
#43
Isopropyl Acetate
Concen: 51.812 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 154272
Ion Ratio Lower Upper
43 100
61 29.4 23.8 35.6
87 12.8 10.9 16.3

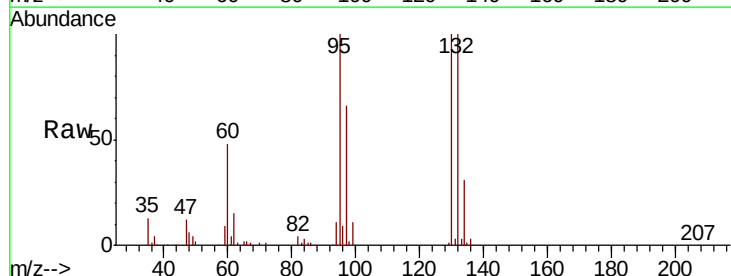


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

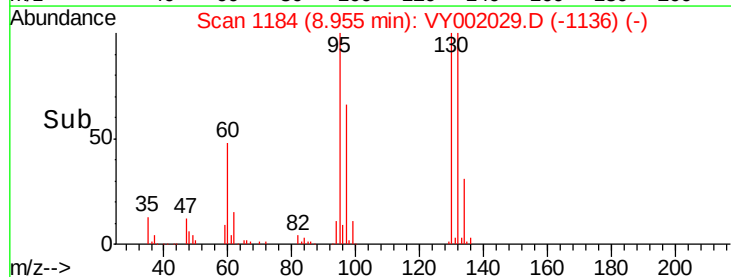
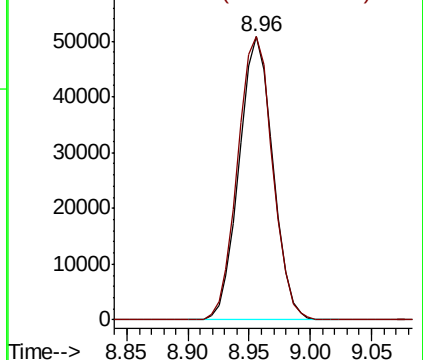


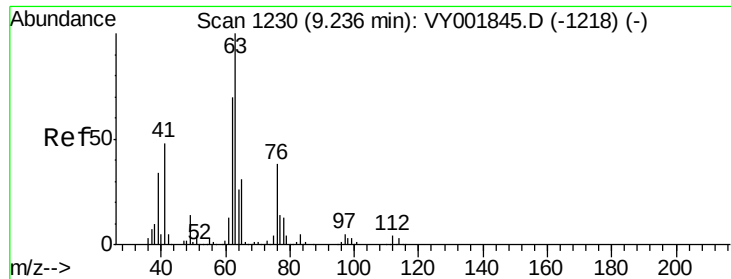
#44
Trichloroethene
Concen: 49.985 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion:130 Resp: 97634
Ion Ratio Lower Upper
130 100
95 99.9 0.0 204.6



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

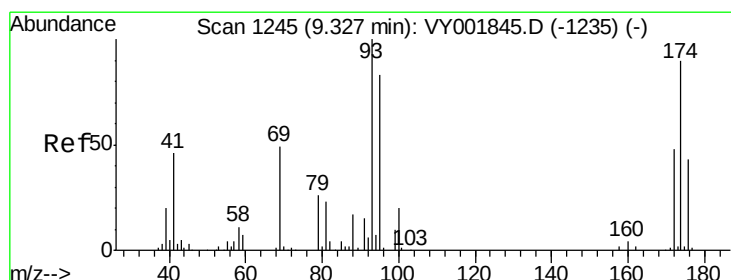
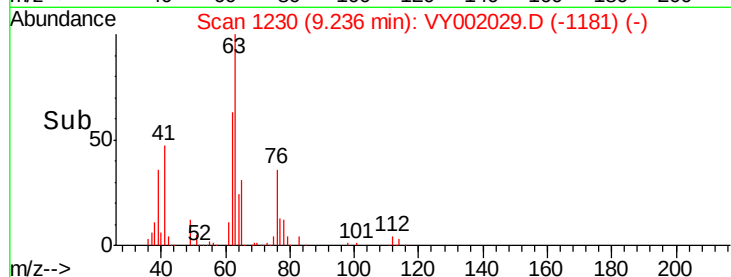
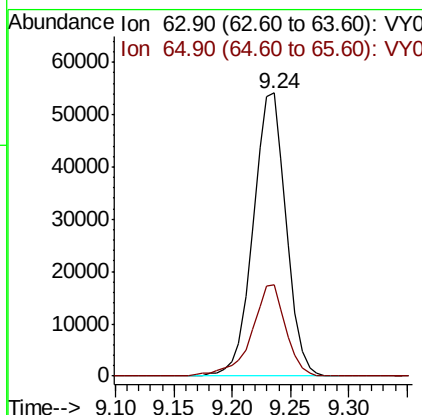
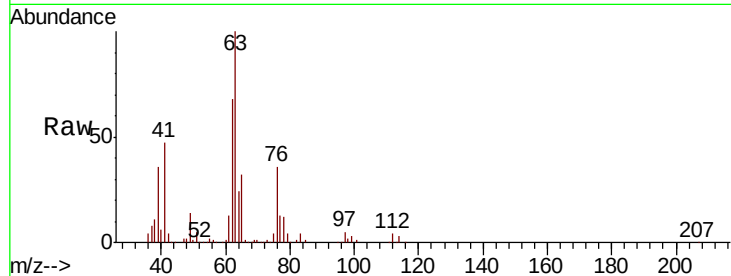




#45
 1,2-Dichloropropane
 Concen: 52.928 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

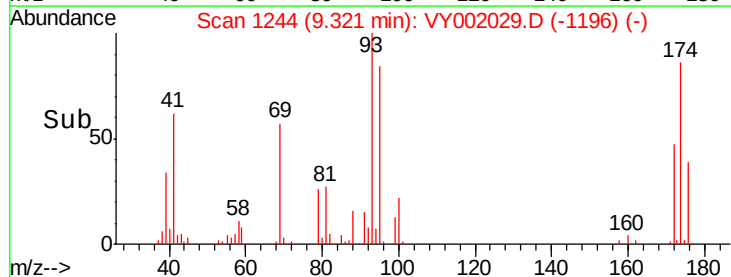
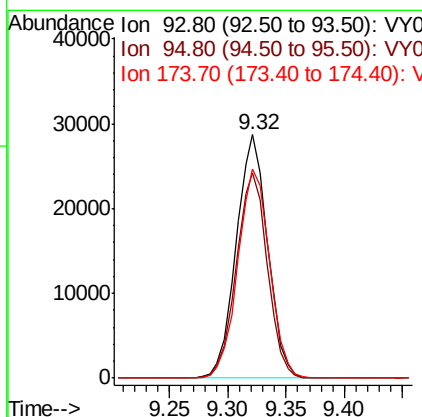
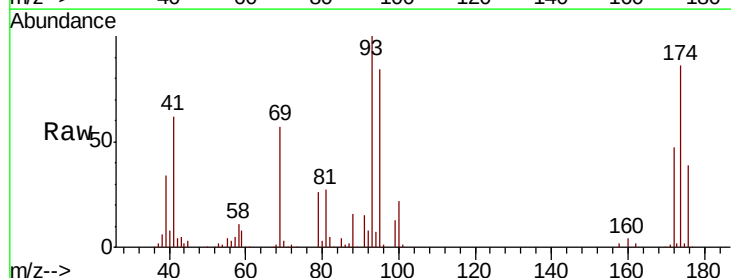
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

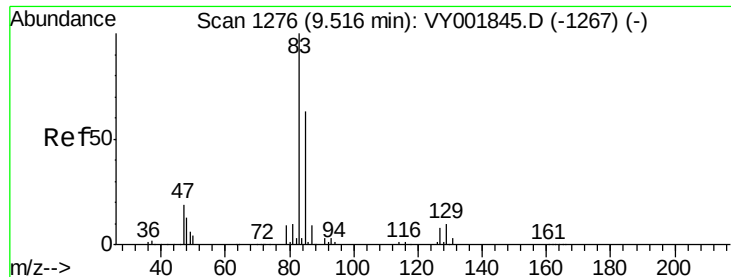
Tot Ion: 63 Resp: 106711
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.9 37.3



#46
 Dibromomethane
 Concen: 51.793 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 93 Resp: 53812
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.4
 174 87.3 71.8 107.8





#47

Bromodichloromethane

Concen: 54.133 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

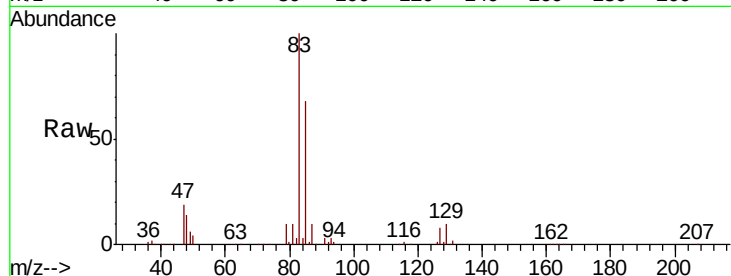
Tot Ion: 83 Resp: 130833

Ion Ratio Lower Upper

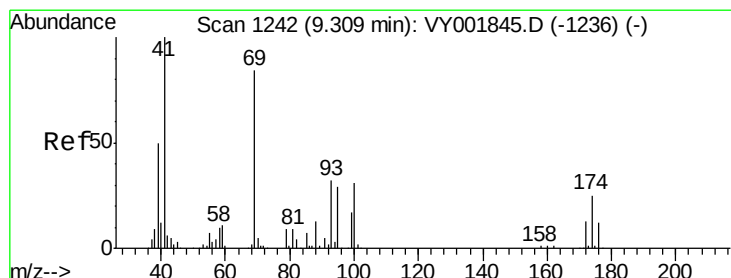
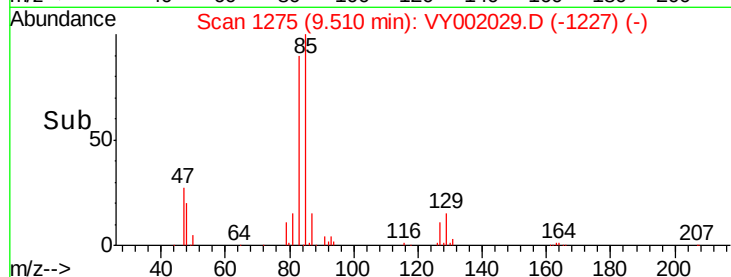
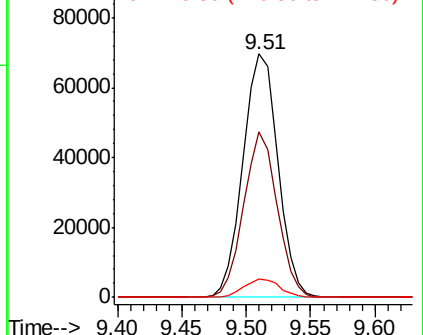
83 100

85 68.0 50.6 76.0

127 7.6 6.2 9.4



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



#48

Methyl methacrylate

Concen: 52.670 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

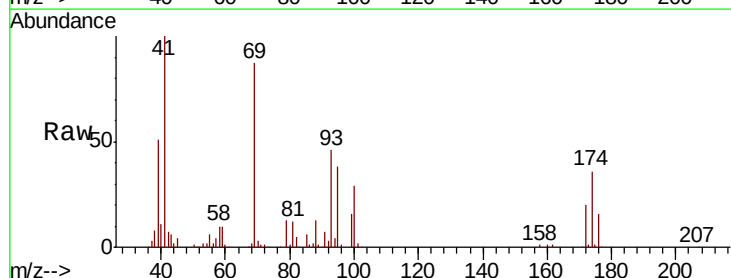
Tgt Ion: 41 Resp: 69588

Ion Ratio Lower Upper

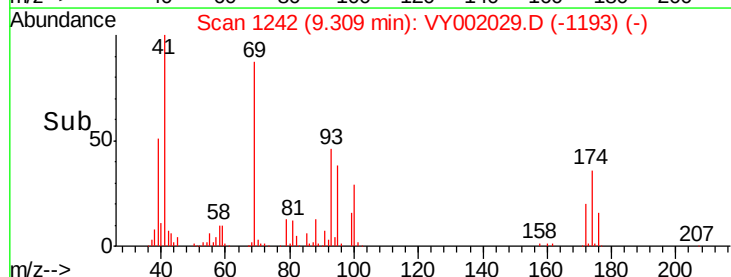
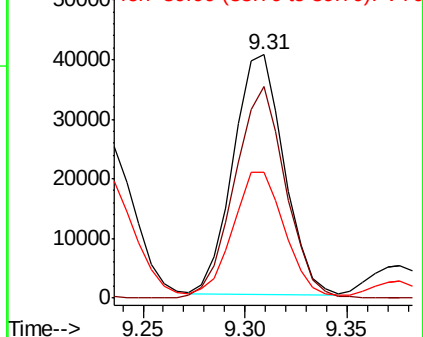
41 100

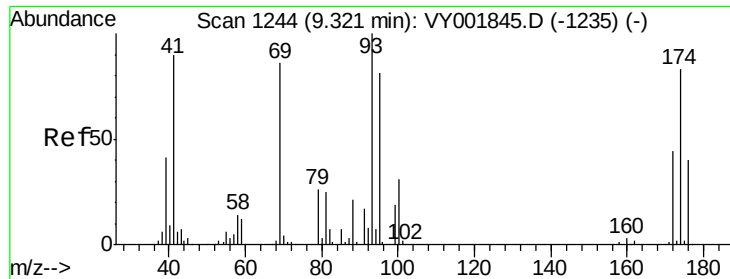
69 88.5 69.0 103.6

39 54.3 39.1 58.7



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





#49

1,4-Dioxane

Concen: 1028.483 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

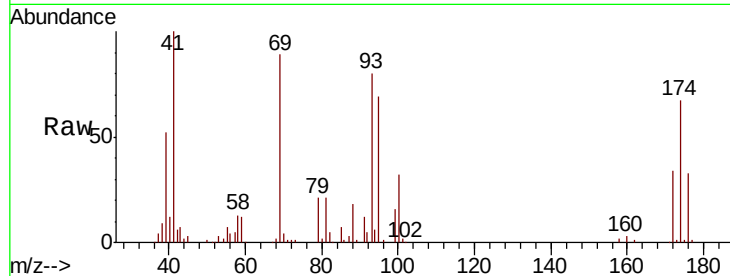
Tot Ion: 88 Resp: 14642

Ion Ratio Lower Upper

88 100

43 29.8 25.0 37.6

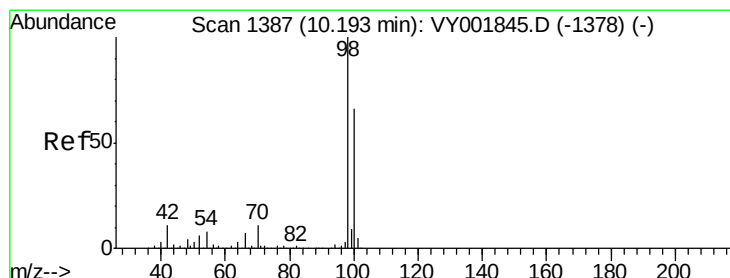
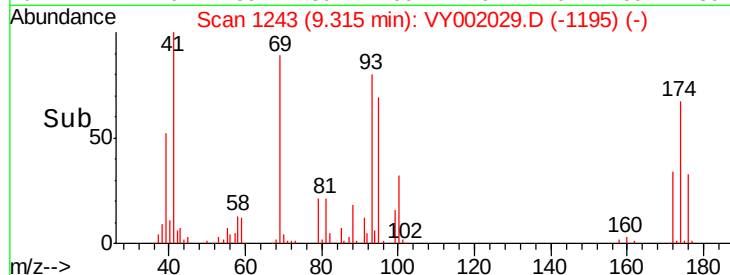
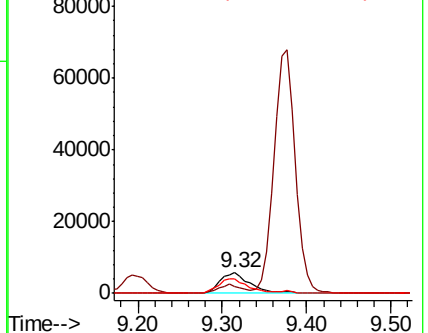
58 67.8 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VY001845.D (-1235) (-)

Ion 43.00 (42.70 to 43.70): VY001845.D (-1235) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1235) (-)



#50

Toluene-d8

Concen: 52.885 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002029.D

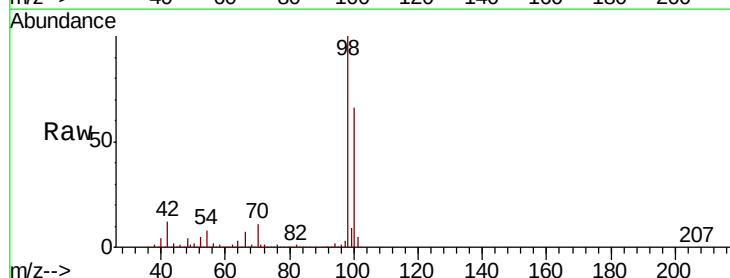
Acq: 19 Mar 2020 18:31

Tgt Ion: 98 Resp: 342410

Ion Ratio Lower Upper

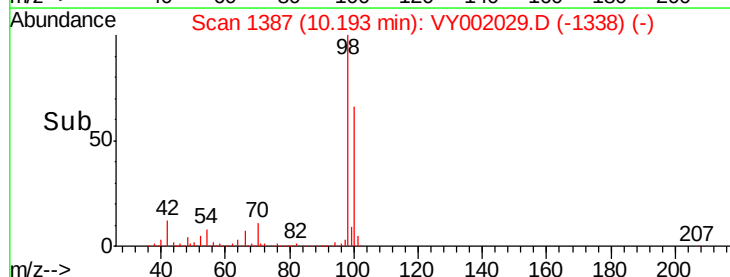
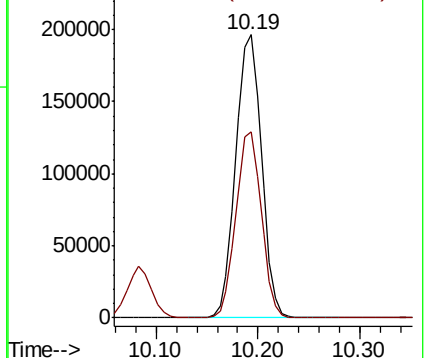
98 100

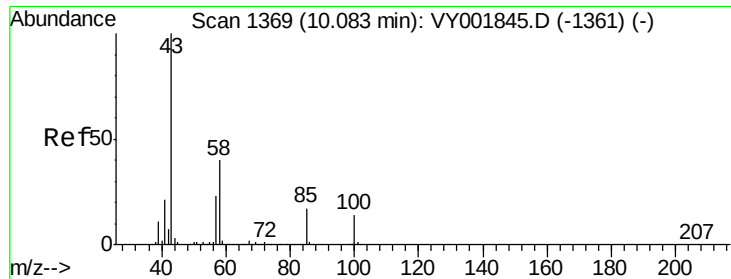
100 65.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

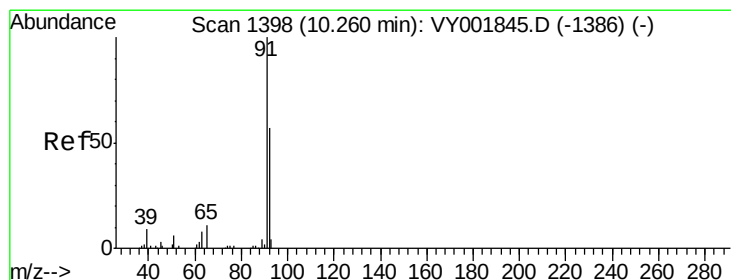
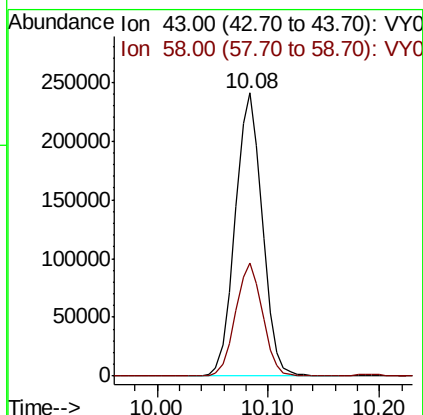
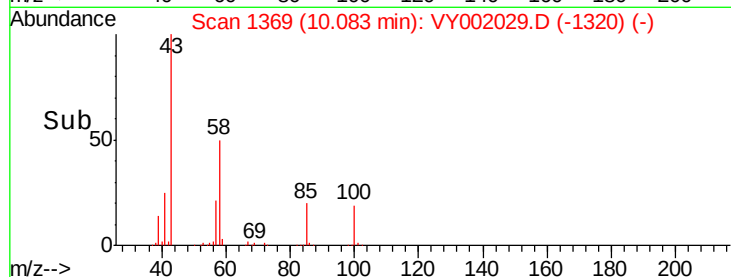
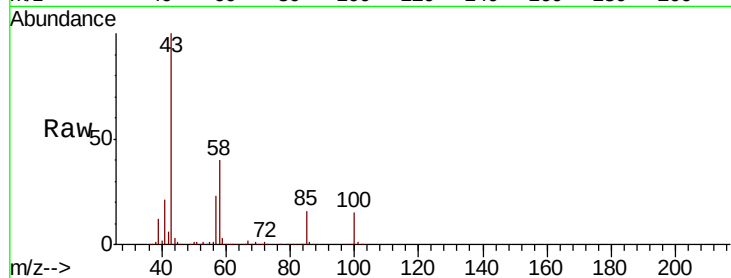




#51
 4-Methyl-2-Pentanone
 Concen: 264.763 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

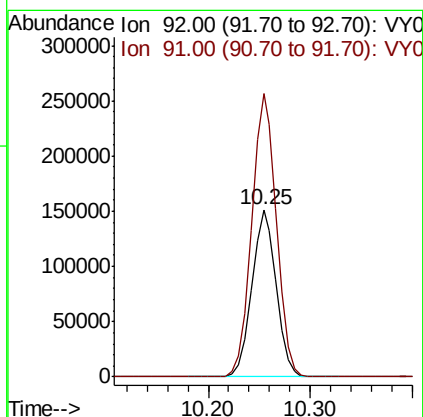
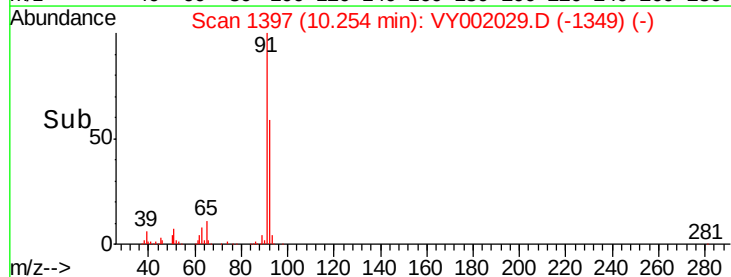
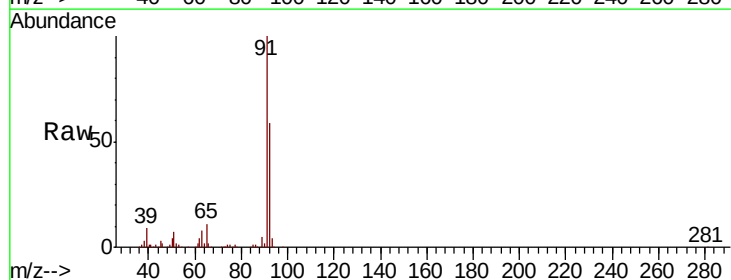
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

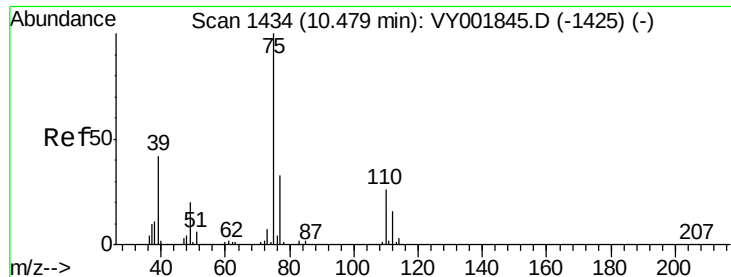
Tot Ion: 43 Resp: 406048
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.0 48.0



#52
 Toluene
 Concen: 51.429 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 92 Resp: 250572
 Ion Ratio Lower Upper
 92 100
 91 172.4 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 53.639 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

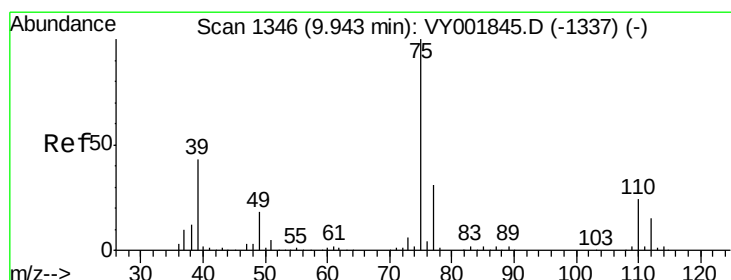
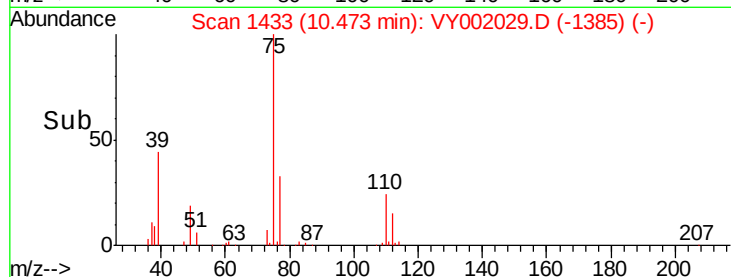
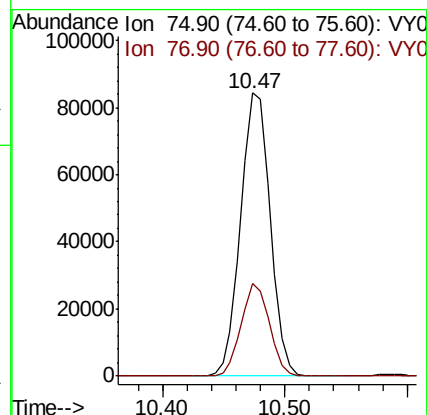
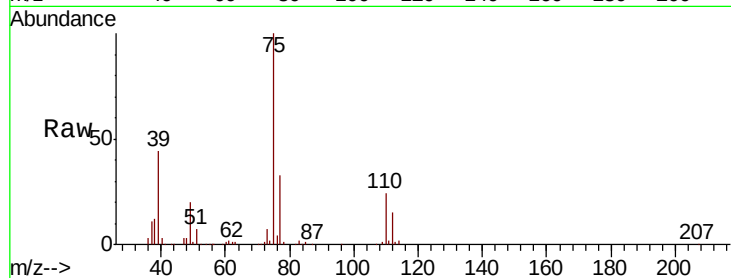
VSTDCCC050EC

Tot Ion: 75 Resp: 141239

Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 53.058 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

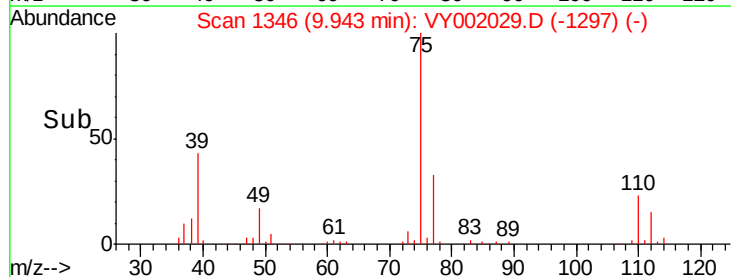
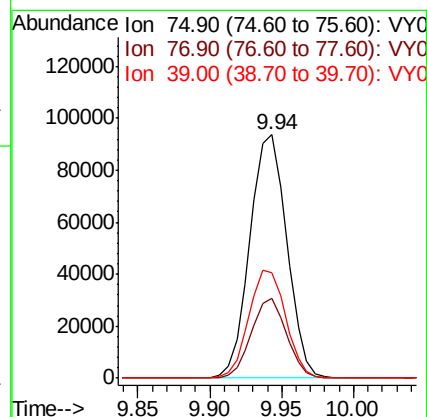
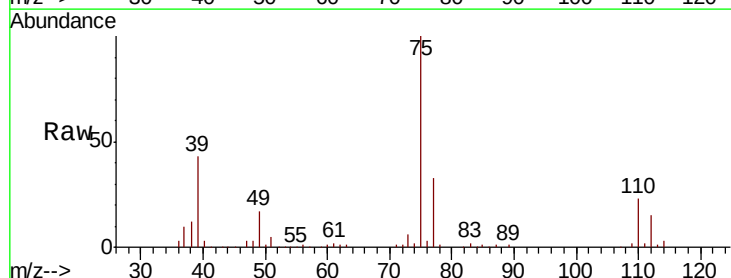
Tgt Ion: 75 Resp: 166317

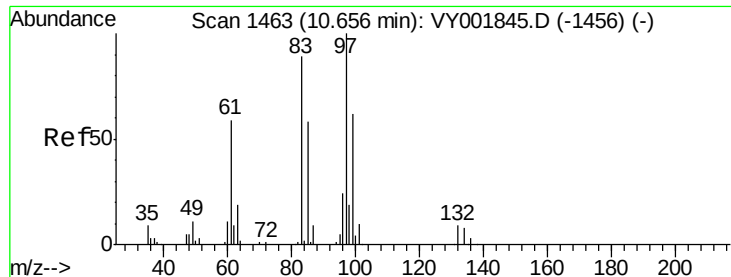
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 43.3 34.7 52.1

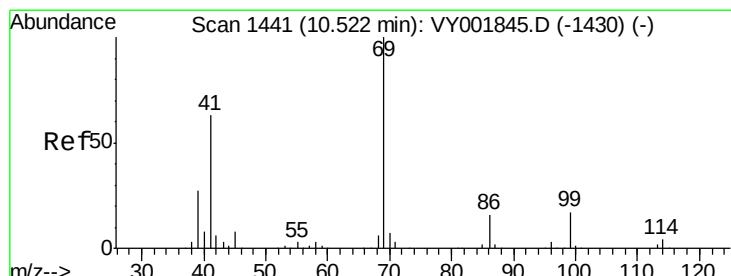
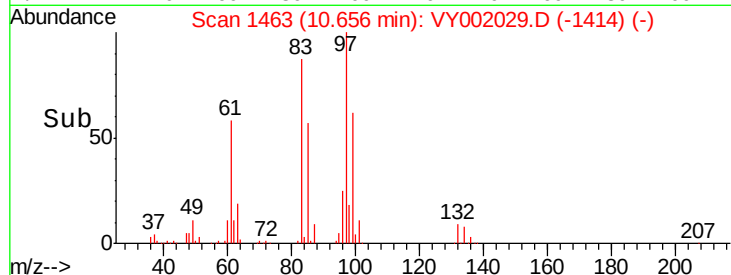
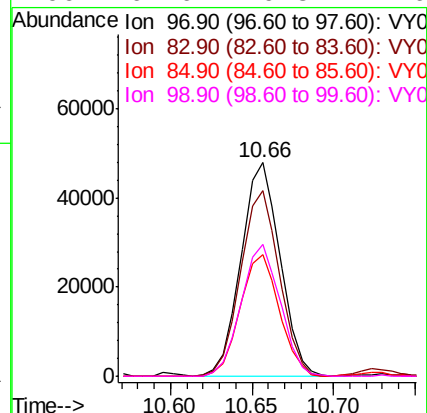
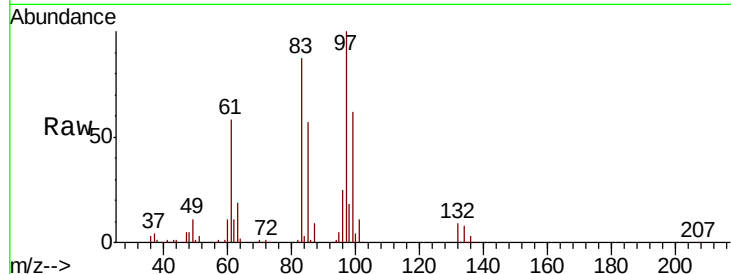




#55
 1,1,2-Trichloroethane
 Concen: 52.767 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

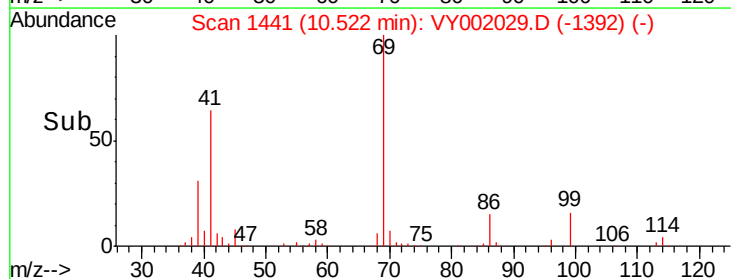
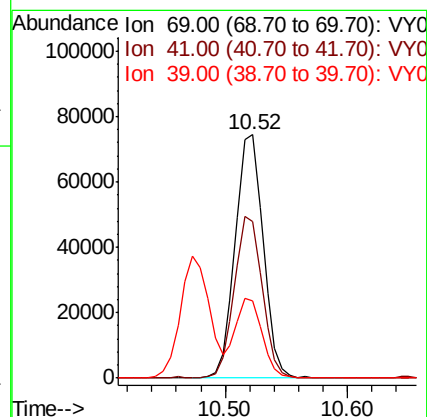
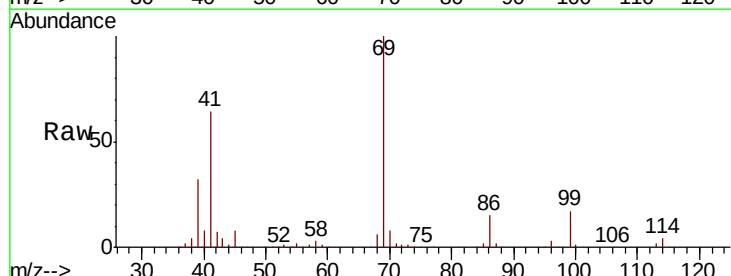
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

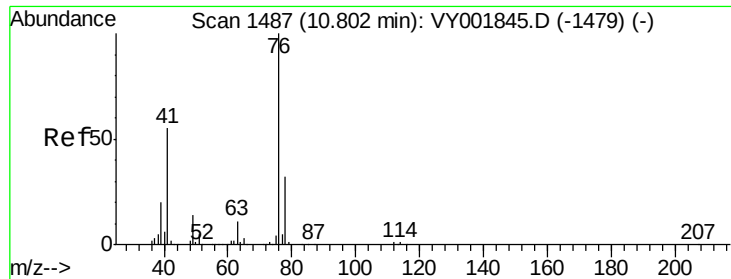
Tot Ion: 97 Resp: 80234
 Ion Ratio Lower Upper
 97 100
 83 86.8 71.6 107.4
 85 56.7 46.6 69.8
 99 61.6 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 52.908 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 69 Resp: 117916
 Ion Ratio Lower Upper
 69 100
 41 65.9 49.9 74.9
 39 31.9 23.0 34.6





#57

1,3-Dichloropropane

Concen: 52.204 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

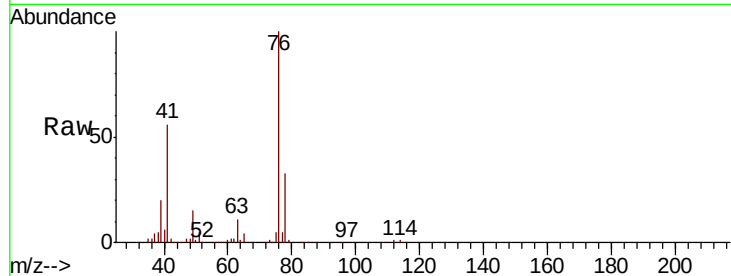
VSTDCCC050EC

Tot Ion: 76 Resp: 141494

Ion Ratio Lower Upper

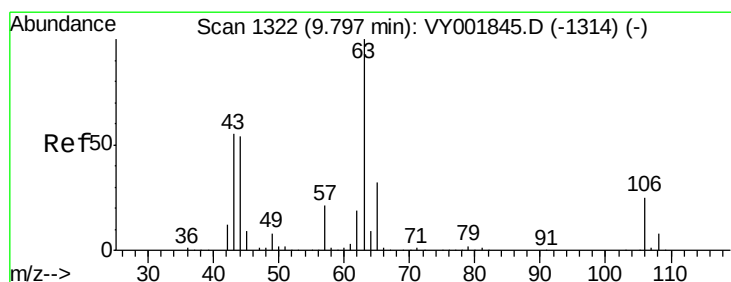
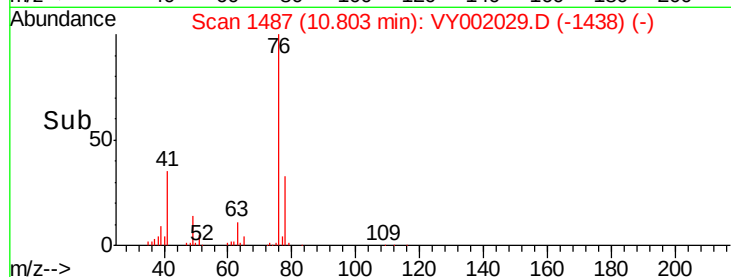
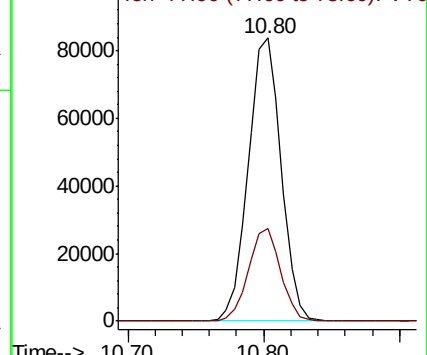
76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 264.613 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002029.D

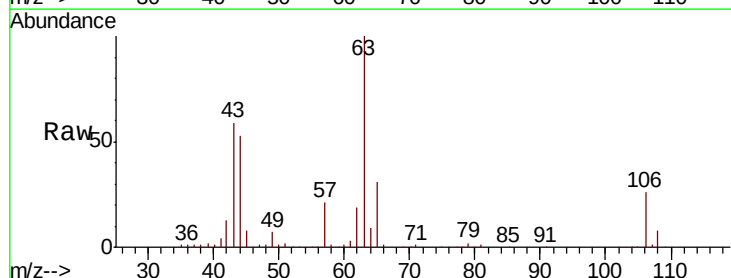
Acq: 19 Mar 2020 18:31

Tgt Ion: 63 Resp: 204699

Ion Ratio Lower Upper

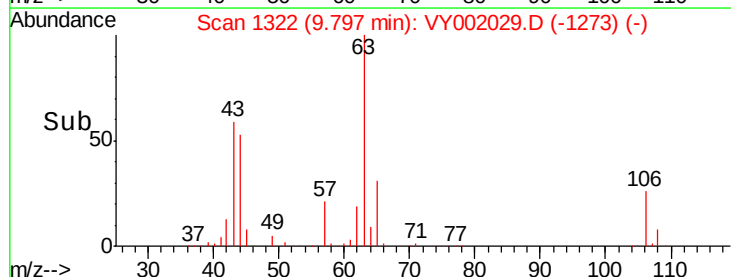
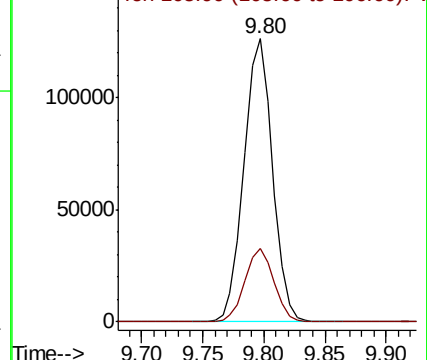
63 100

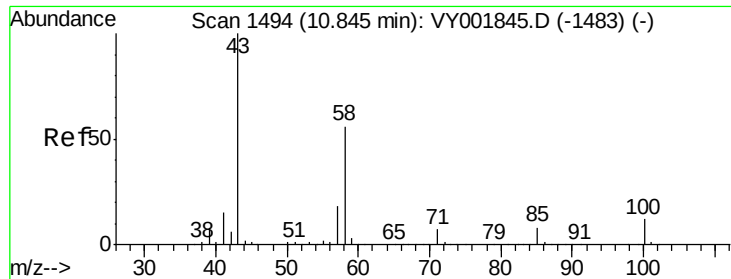
106 26.2 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

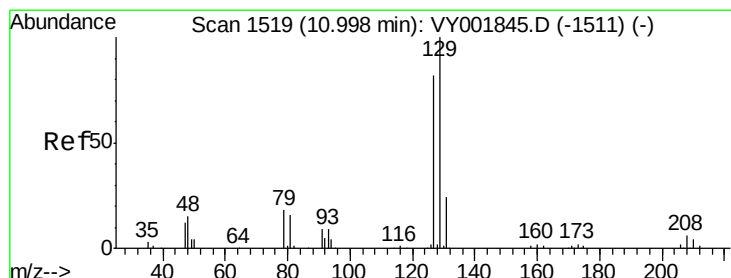
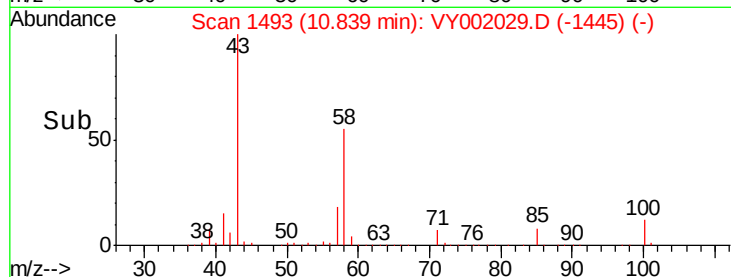
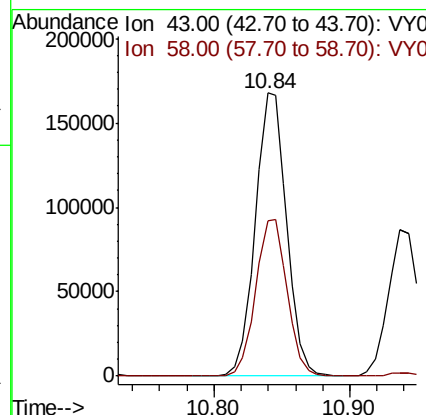
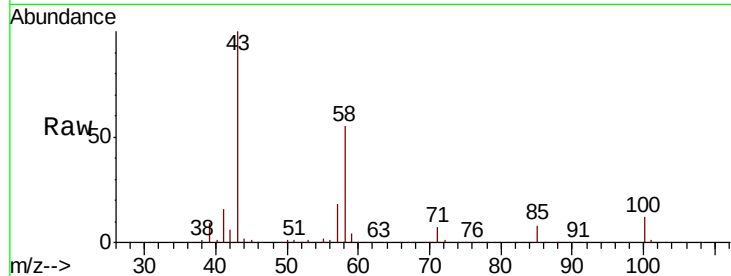




#59
2-Hexanone
Concen: 247.032 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

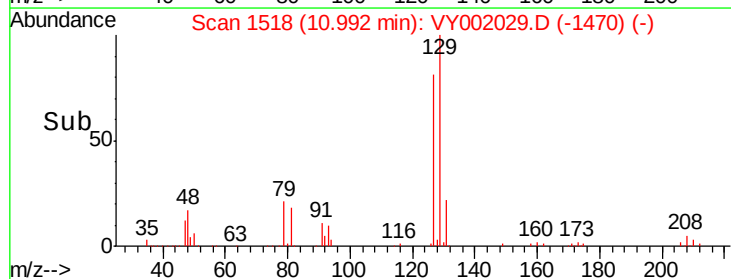
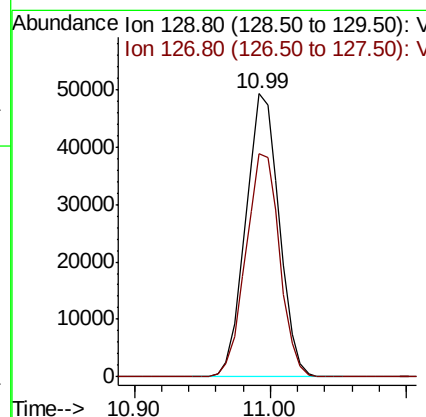
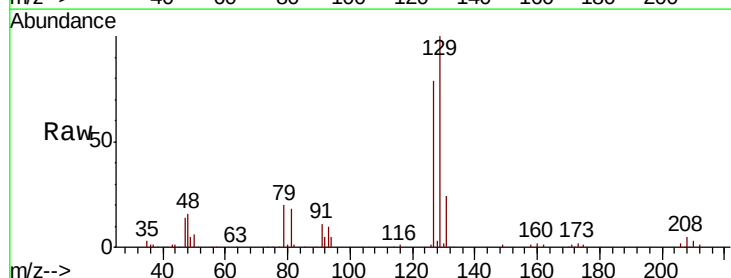
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

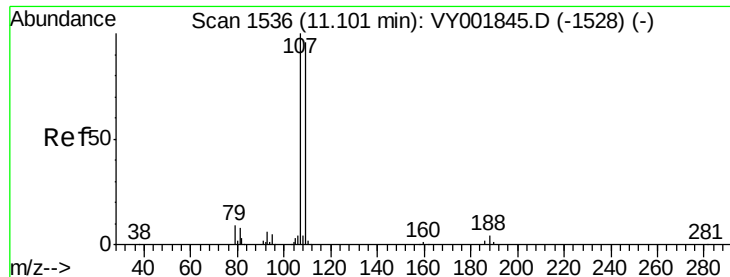
Tot Ion: 43 Resp: 270409
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.3



#60
Dibromochloromethane
Concen: 52.896 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion: 129 Resp: 84751
Ion Ratio Lower Upper
129 100
127 79.5 39.0 117.0

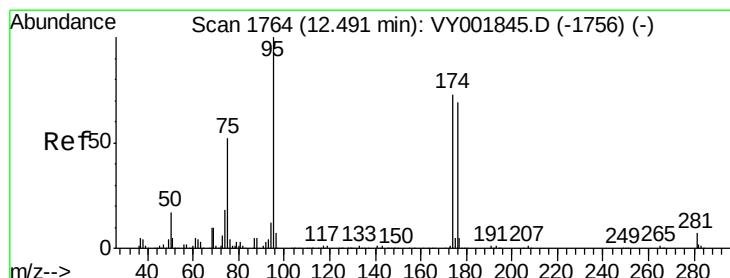
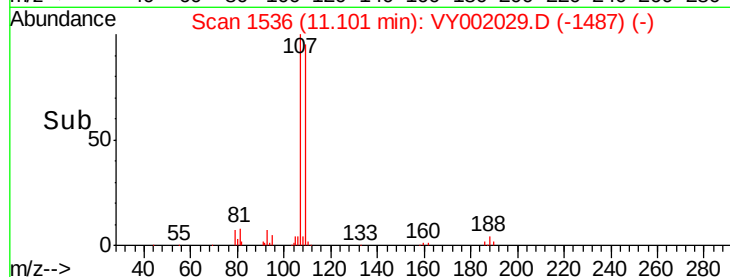
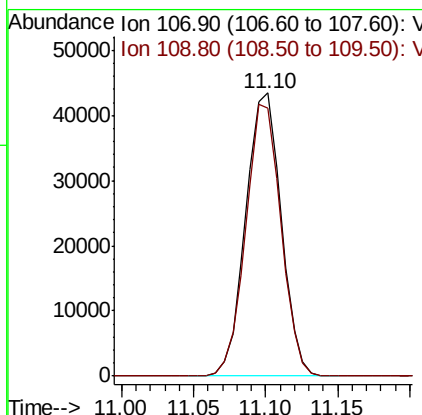
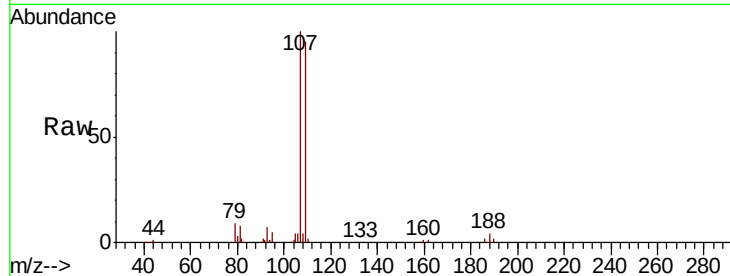




#61
 1,2-Dibromoethane
 Concen: 51.420 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

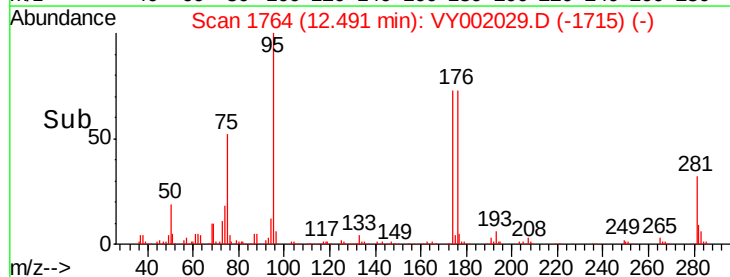
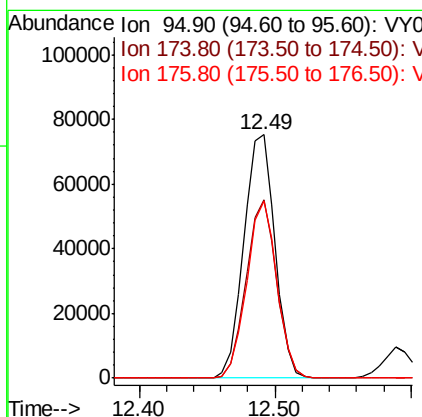
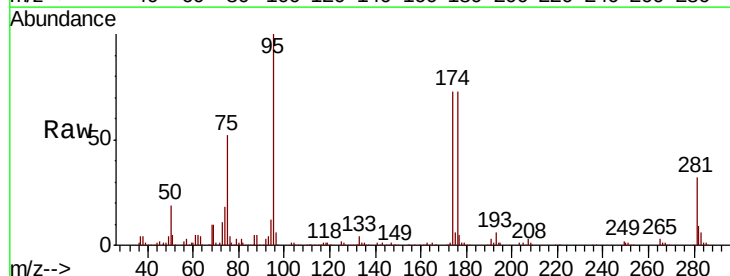
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

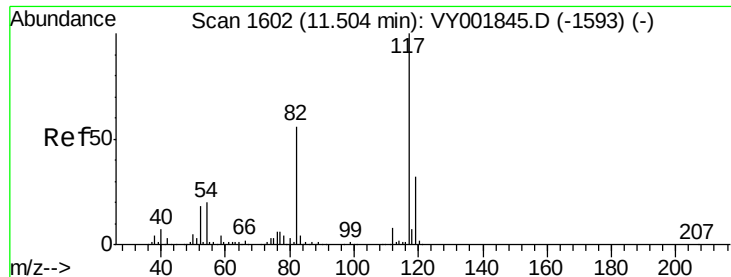
Tot Ion: 107 Resp: 74061
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.408 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 95 Resp: 120238
 Ion Ratio Lower Upper
 95 100
 174 71.7 0.0 145.0
 176 70.5 0.0 137.4

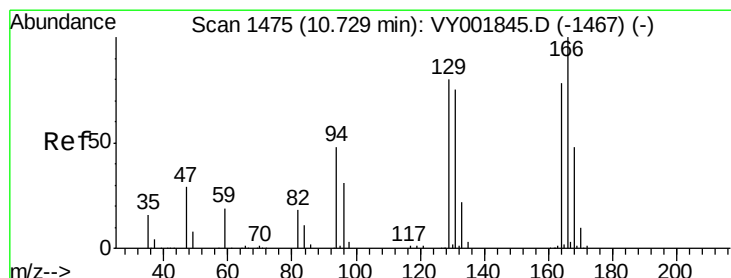
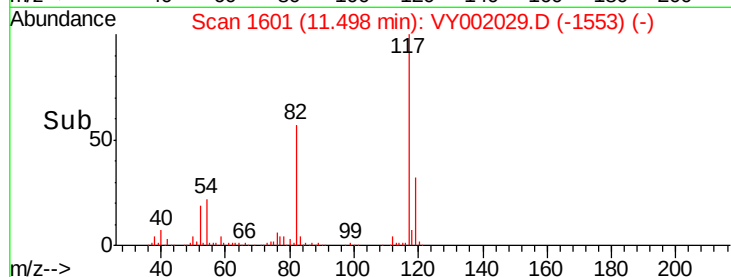
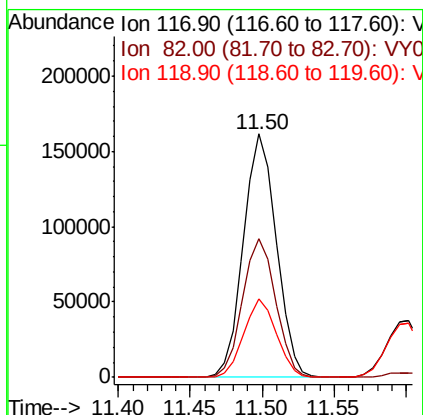
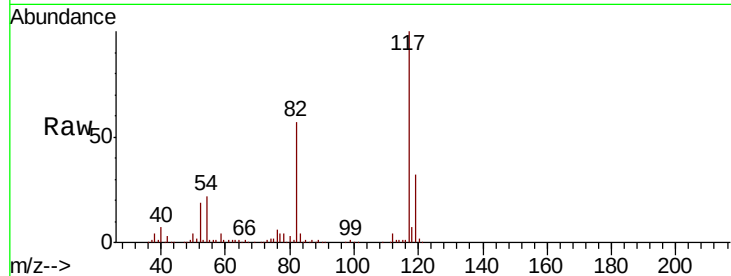




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

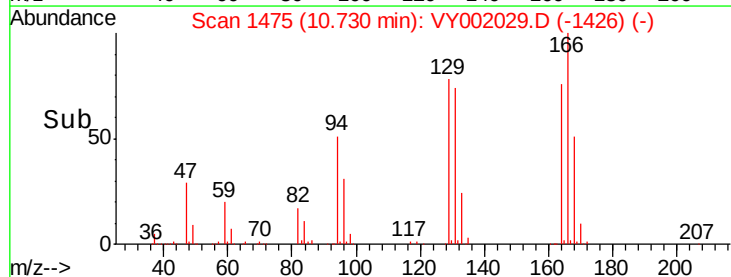
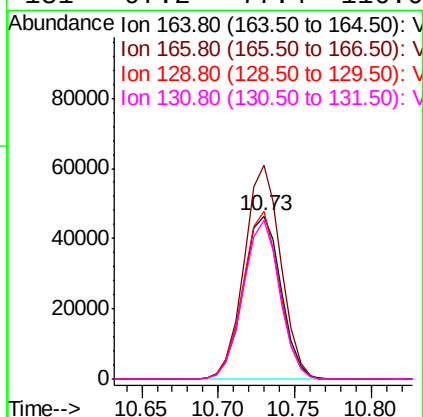
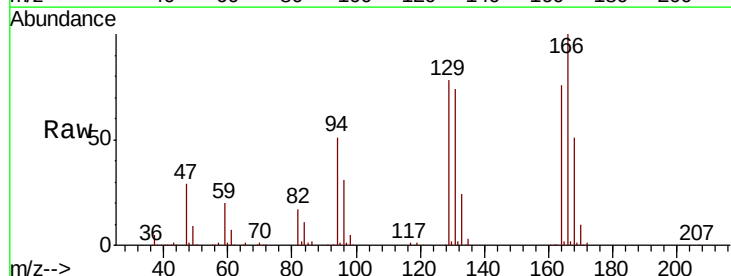
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

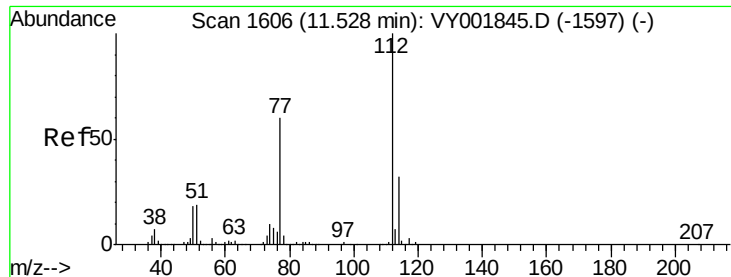
Tot Ion:117 Resp: 255688
Ion Ratio Lower Upper
117 100
82 57.1 44.5 66.7
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 49.933 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion:164 Resp: 80066
Ion Ratio Lower Upper
164 100
166 131.0 102.6 154.0
129 102.6 82.3 123.5
131 97.2 77.4 116.0

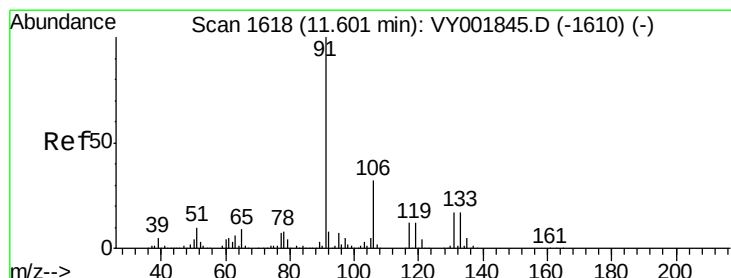
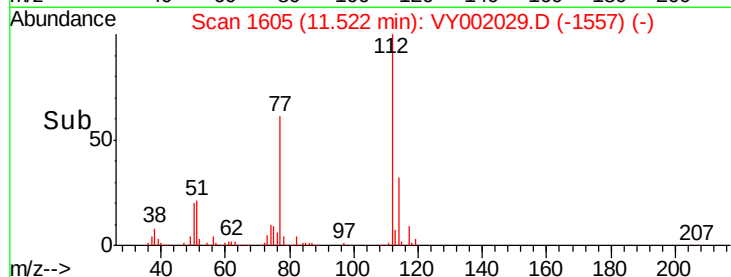
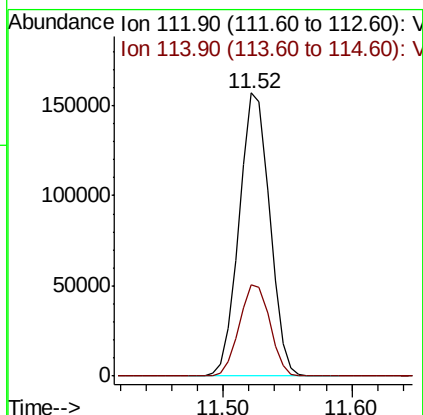
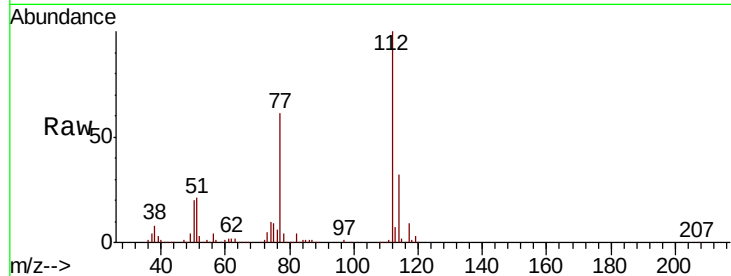




#65
Chlorobenzene
Concen: 50.680 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

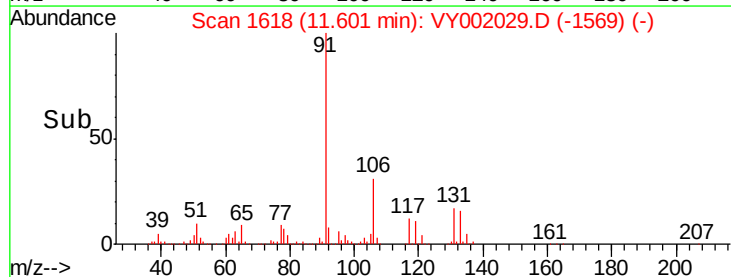
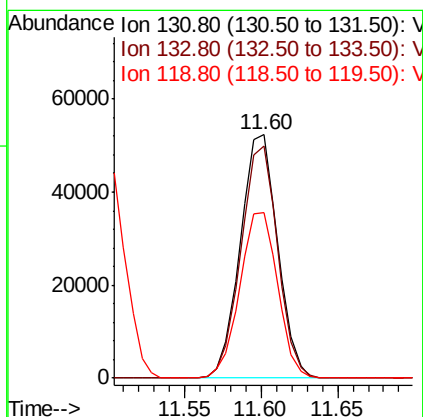
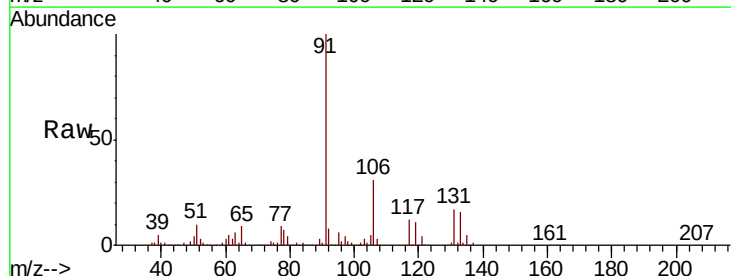
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

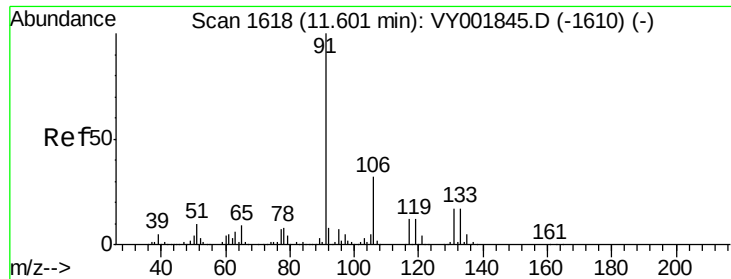
Tot Ion:112 Resp: 258199
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.118 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion:131 Resp: 88745
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 69.0 34.5 103.6





#67

Ethyl Benzene

Concen: 51.347 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

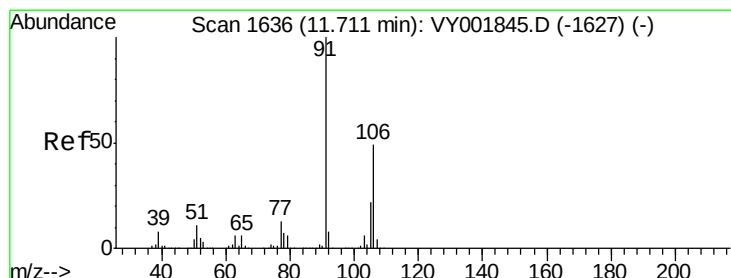
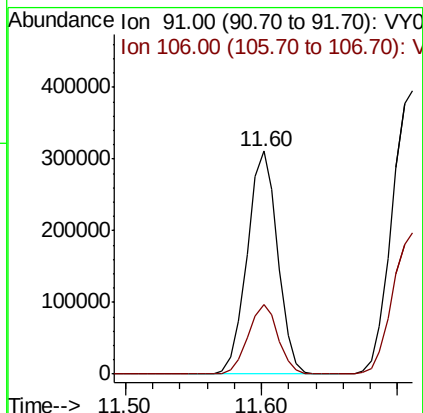
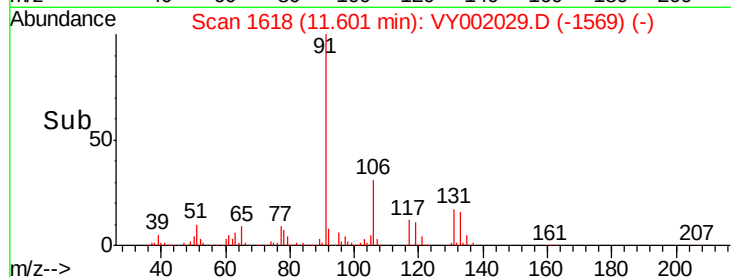
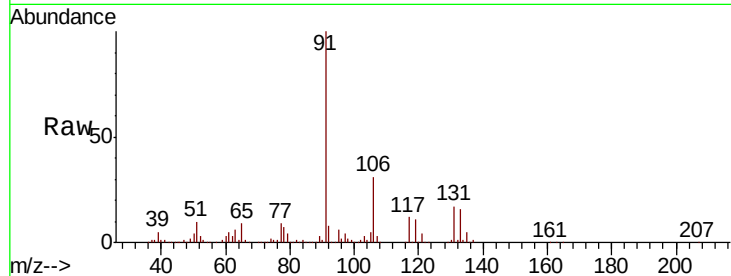
VSTDCCC050EC

Tot Ion: 91 Resp: 487873

Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.2



#68

m/p-Xylenes

Concen: 102.120 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY002029.D

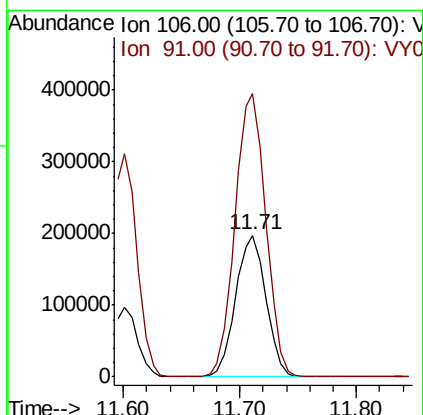
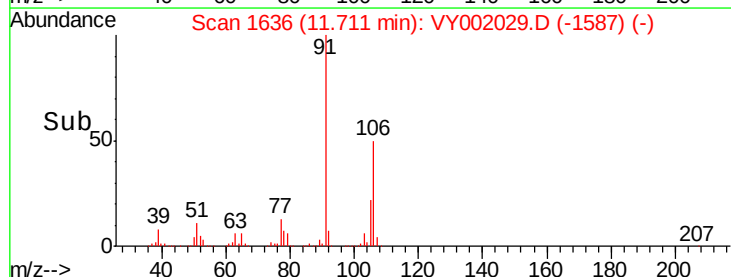
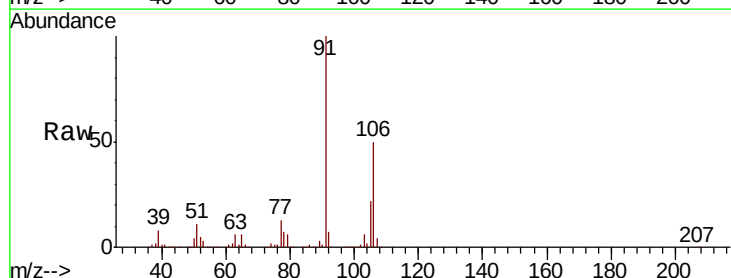
Acq: 19 Mar 2020 18:31

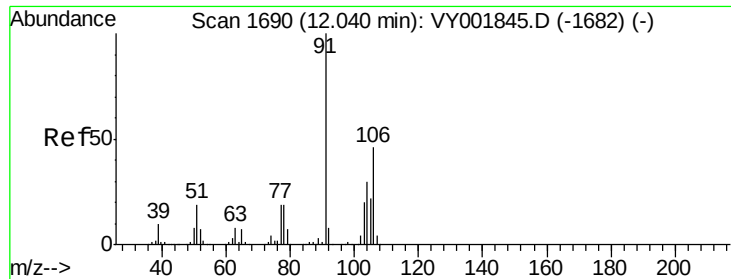
Tgt Ion: 106 Resp: 358729

Ion Ratio Lower Upper

106 100

91 202.2 161.3 241.9

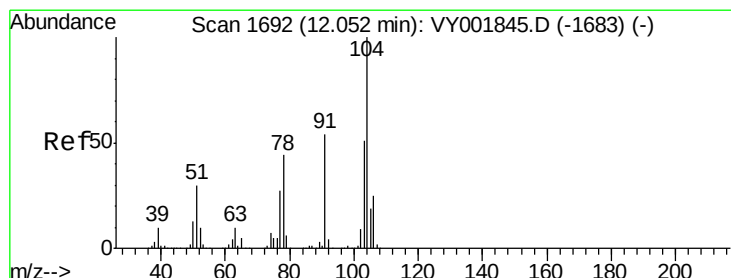
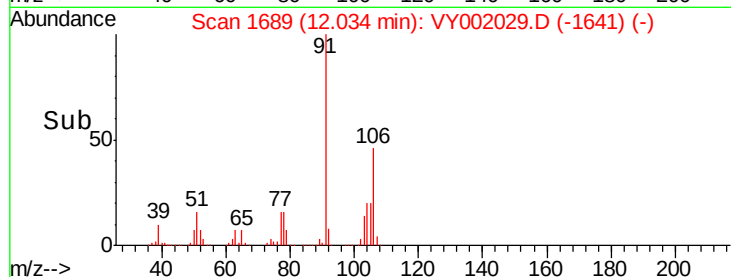
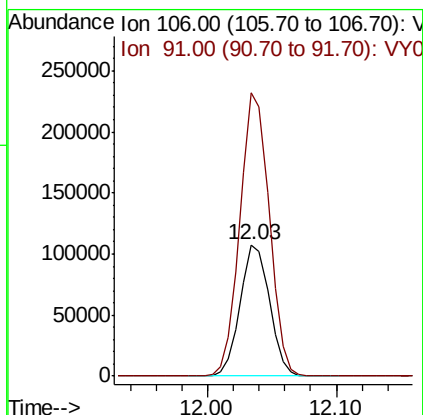
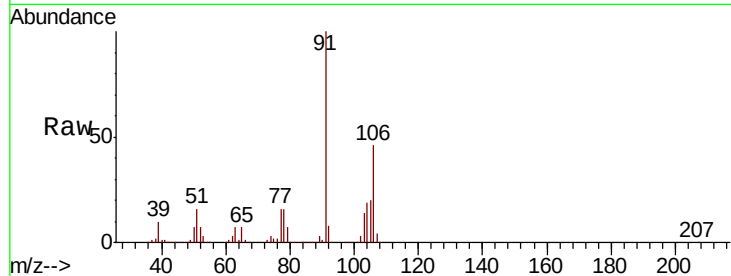




#69
o-Xylene
Concen: 51.232 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

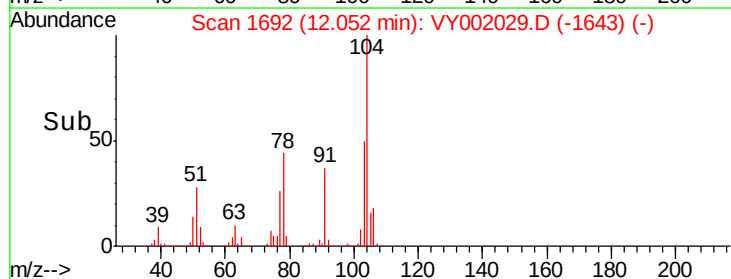
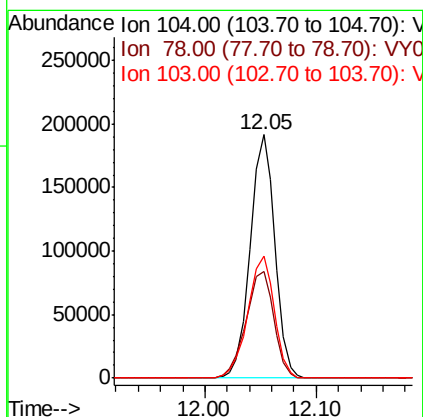
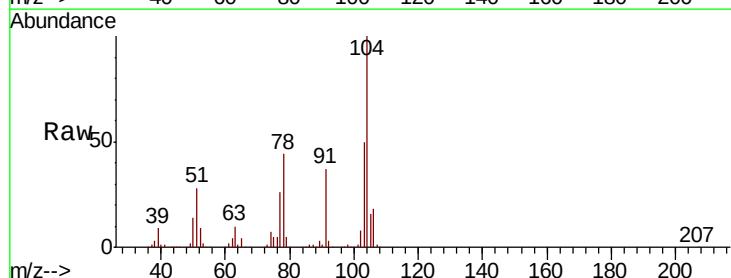
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

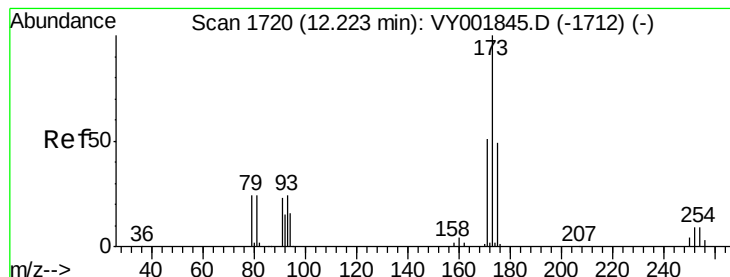
Tot Ion:106 Resp: 169625
Ion Ratio Lower Upper
106 100
91 215.2 106.8 320.4



#70
Styrene
Concen: 52.148 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion:104 Resp: 295718
Ion Ratio Lower Upper
104 100
78 49.5 38.5 57.7
103 54.2 42.9 64.3





#71

Bromoform

Concen: 52.679 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

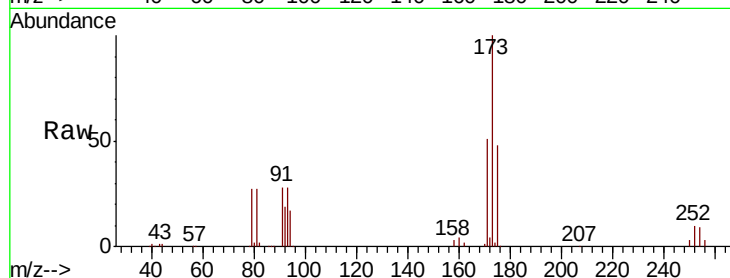
Tot Ion:173 Resp: 47730

Ion Ratio Lower Upper

173 100

175 47.2 24.3 72.8

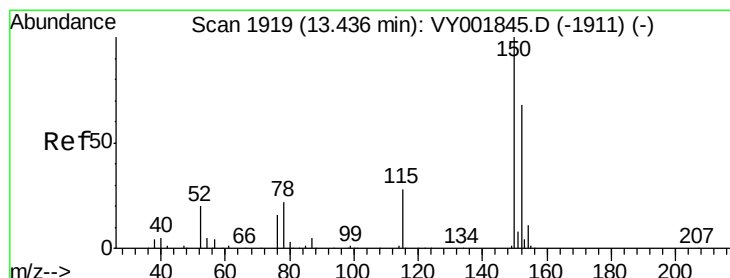
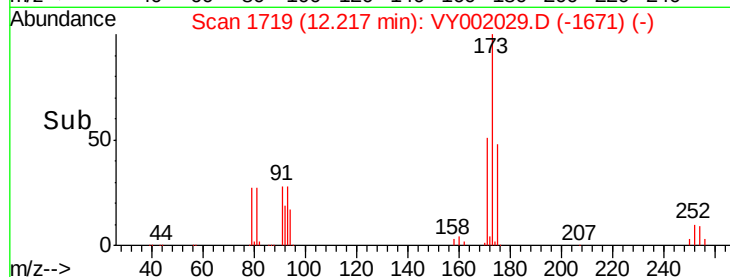
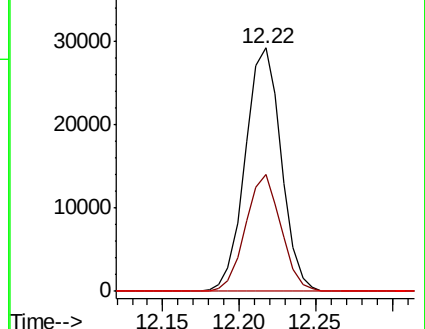
254 0.0 0.0 0.0



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. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

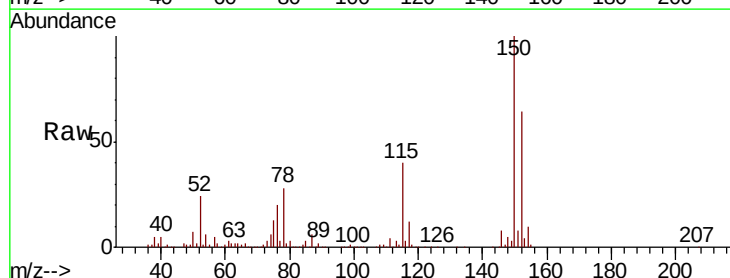
Tgt Ion:152 Resp: 116672

Ion Ratio Lower Upper

152 100

115 61.9 29.9 89.7

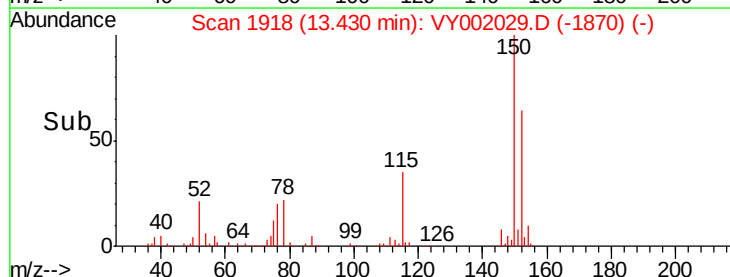
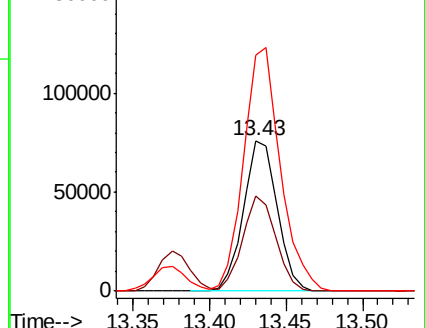
150 175.8 0.0 340.6

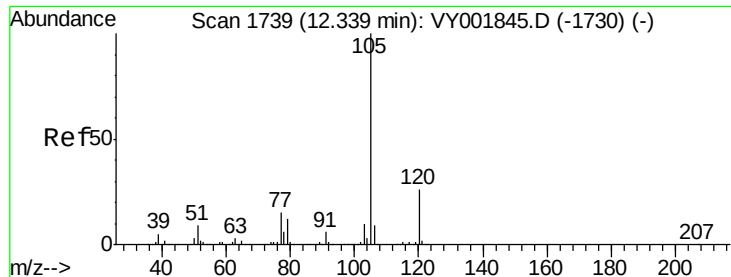


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.820 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

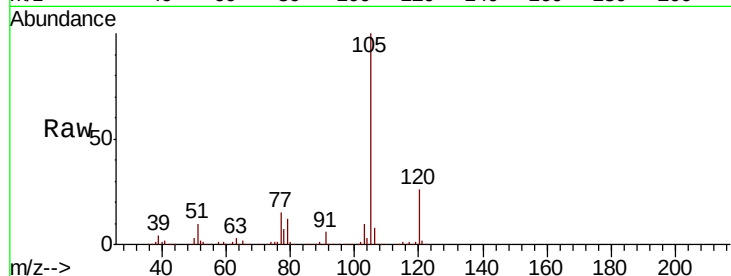
VSTDCCC050EC

Tot Ion:105 Resp: 461535

Ion Ratio Lower Upper

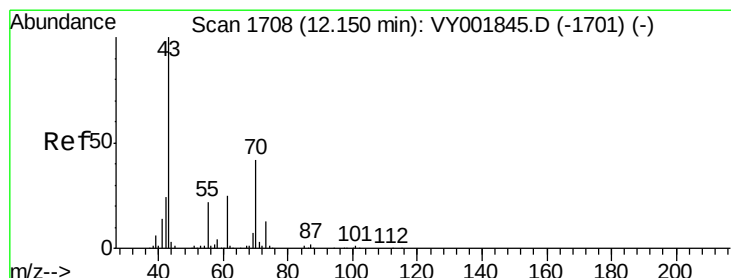
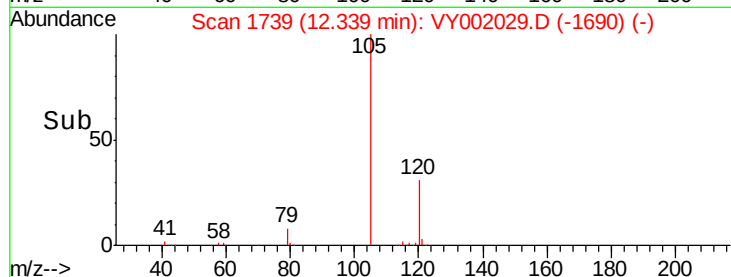
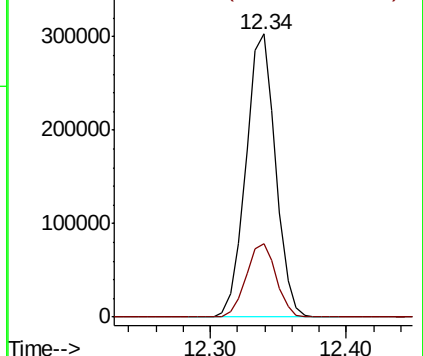
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.328 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Tgt Ion: 43 Resp: 143239

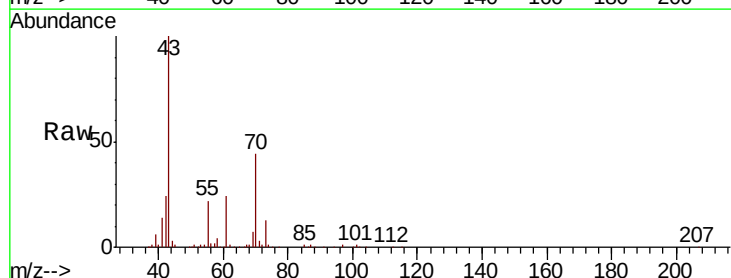
Ion Ratio Lower Upper

43 100

70 43.2 34.7 52.1

55 22.8 18.2 27.4

61 24.5 20.1 30.1

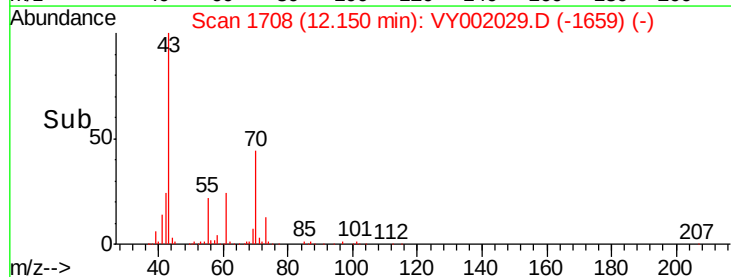
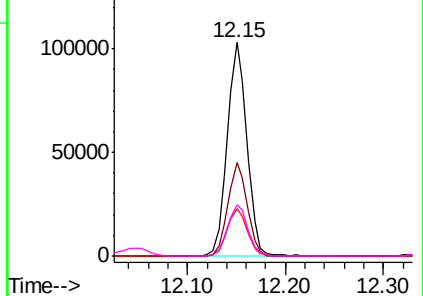


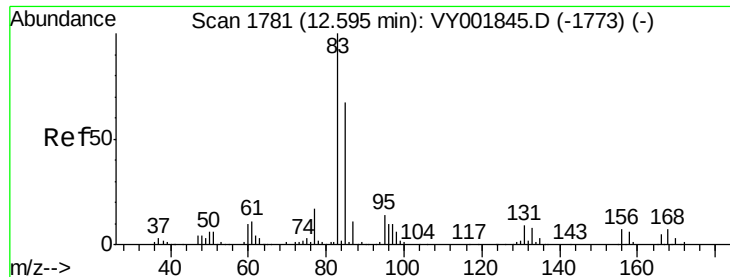
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.948 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

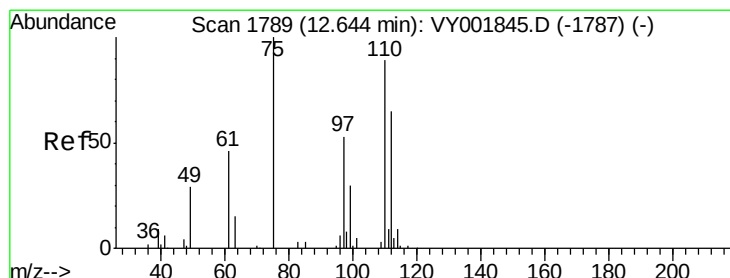
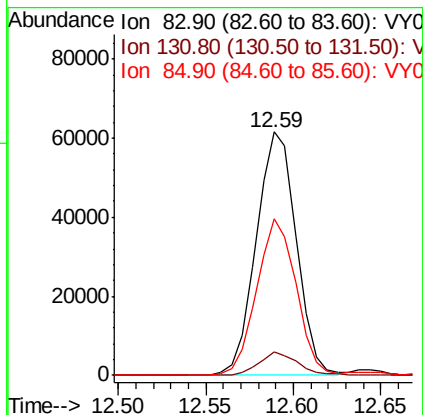
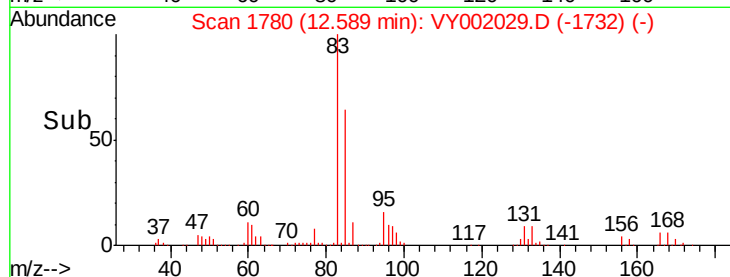
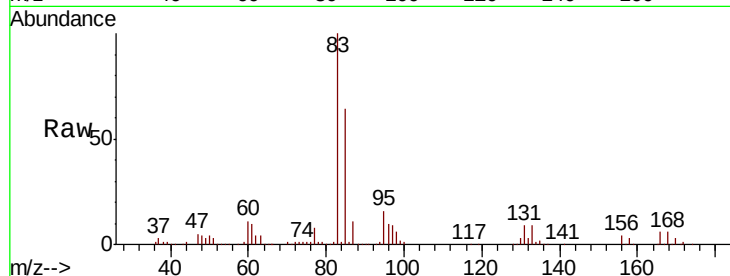
Tot Ion: 83 Resp: 97853

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

85 63.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 89.881 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY002029.D

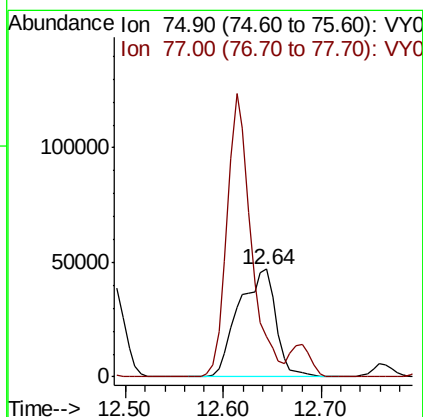
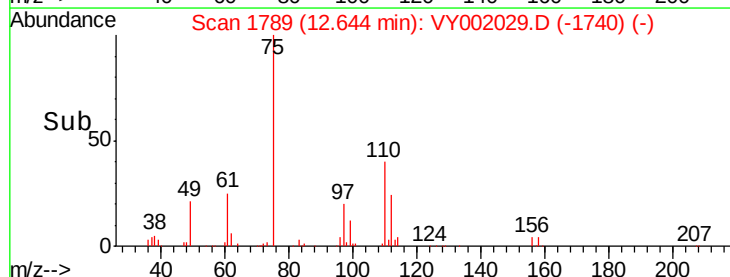
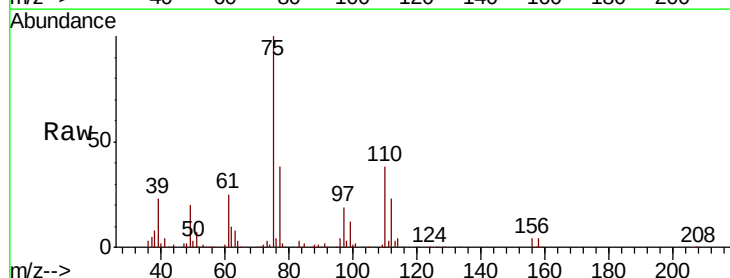
Acq: 19 Mar 2020 18:31

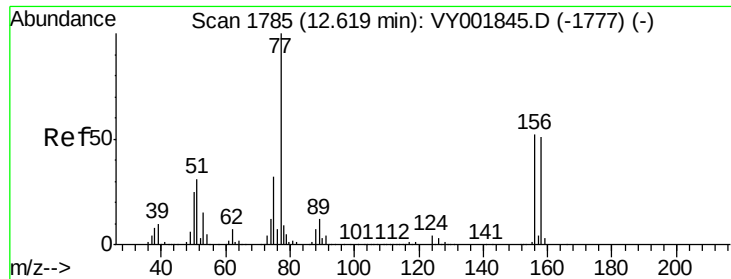
Tgt Ion: 75 Resp: 124431

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.423 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

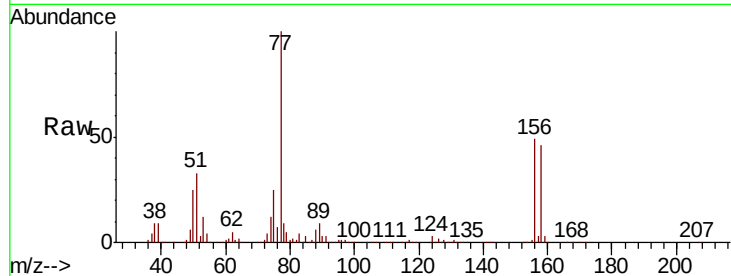
Tot Ion:156 Resp: 97036

Ion Ratio Lower Upper

156 100

77 220.0 109.0 327.0

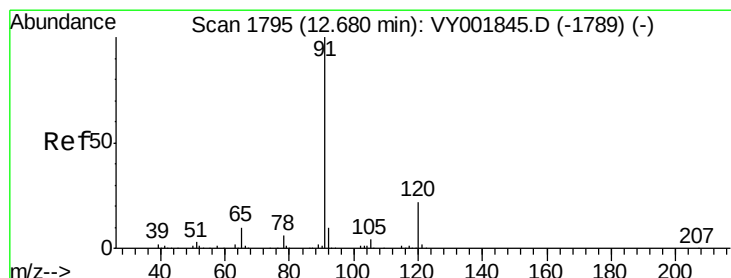
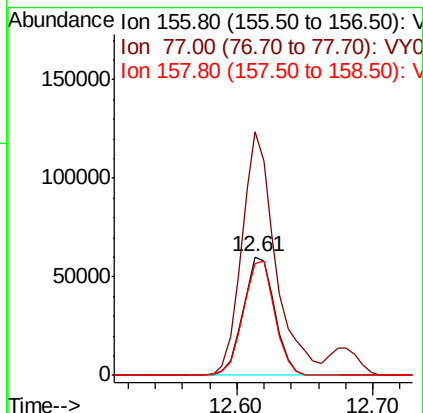
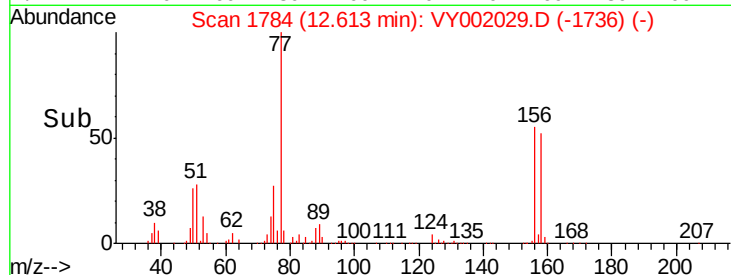
158 96.4 48.9 146.8



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: 51.805 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002029.D

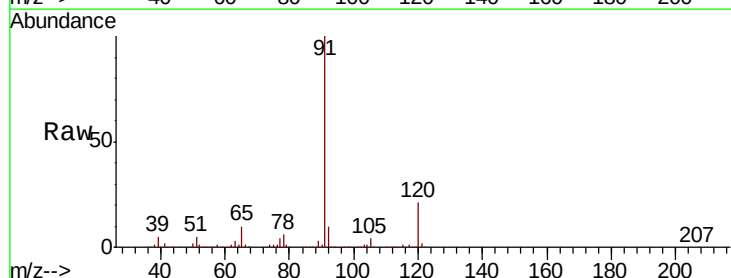
Acq: 19 Mar 2020 18:31

Tgt Ion: 91 Resp: 569231

Ion Ratio Lower Upper

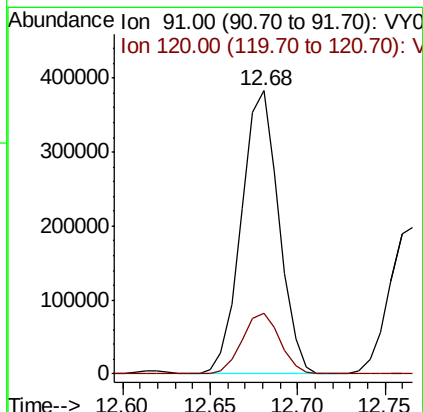
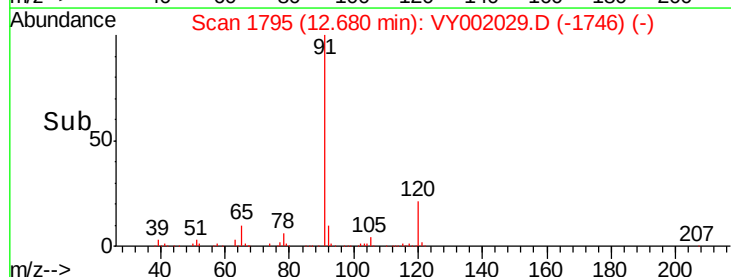
91 100

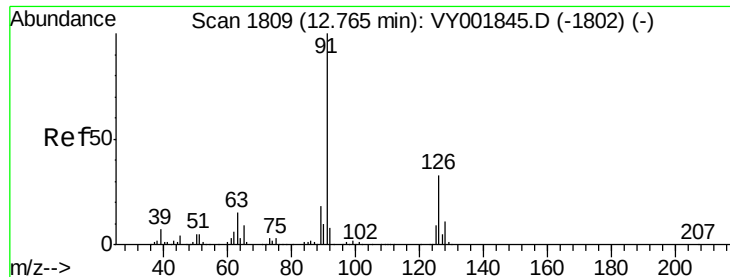
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.739 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

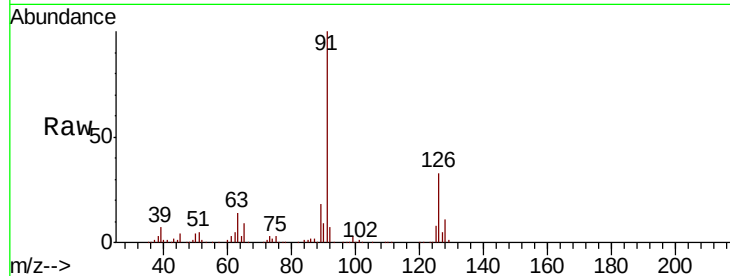
VSTDCCC050EC

Tot Ion: 91 Resp: 314090

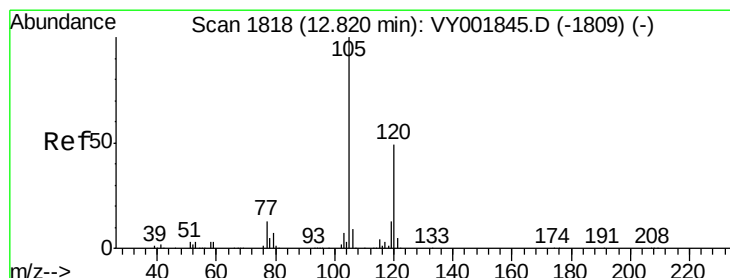
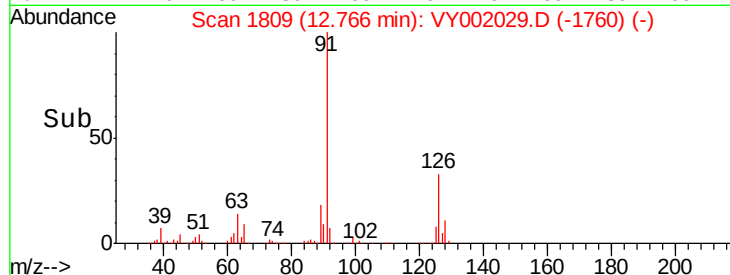
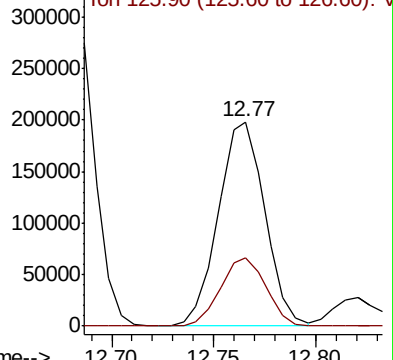
Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.092 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002029.D

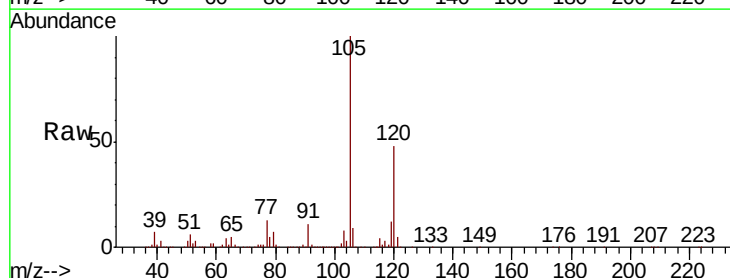
Acq: 19 Mar 2020 18:31

Tgt Ion: 105 Resp: 381950

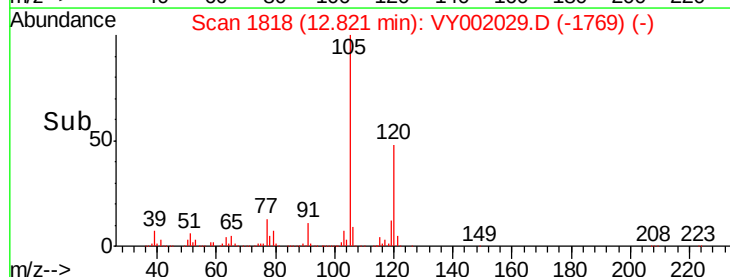
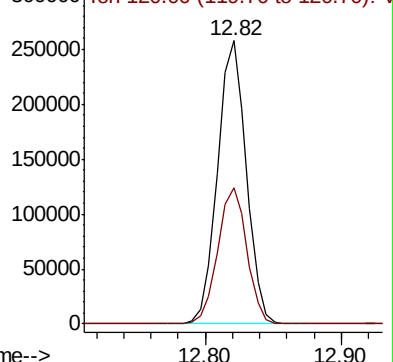
Ion Ratio Lower Upper

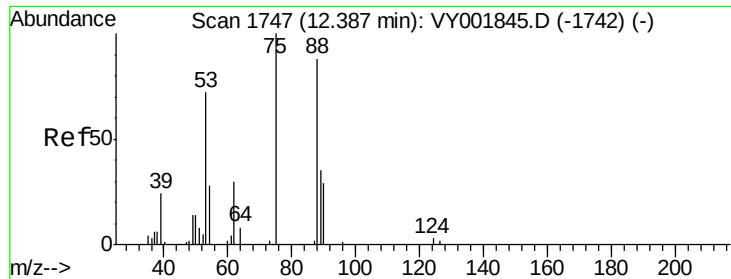
105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.653 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

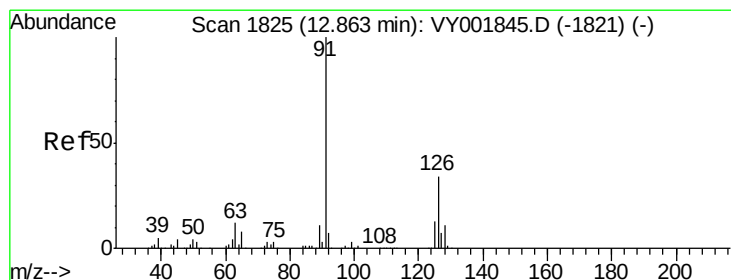
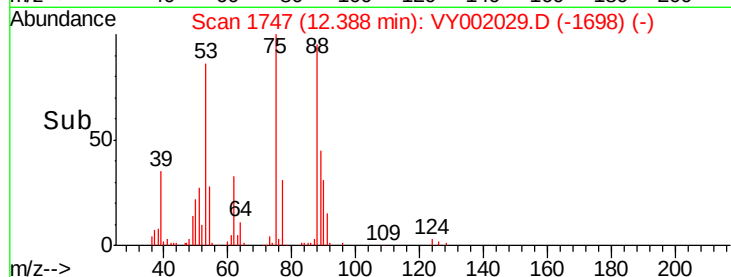
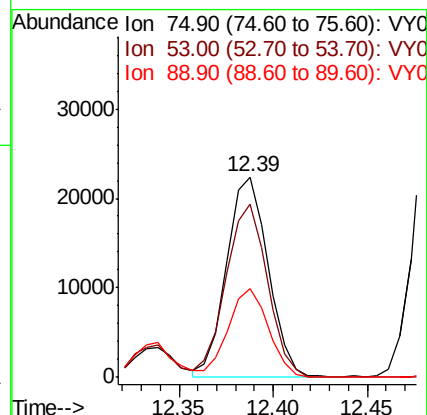
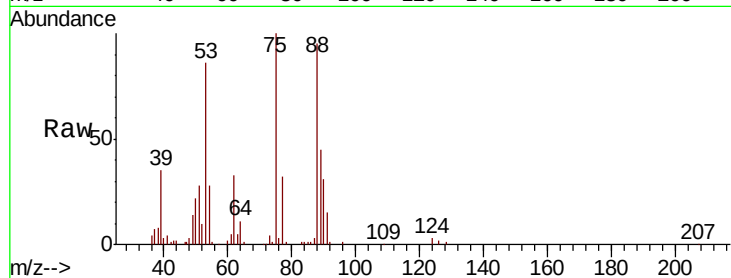
Tot Ion: 75 Resp: 34030

Ion Ratio Lower Upper

75 100

53 87.5 65.4 98.0

89 43.9 36.0 54.0



#82

4-Chlorotoluene

Concen: 52.574 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002029.D

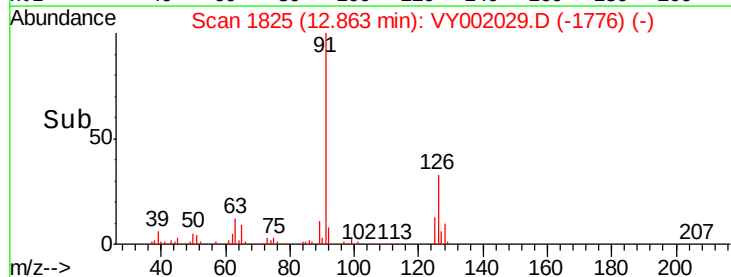
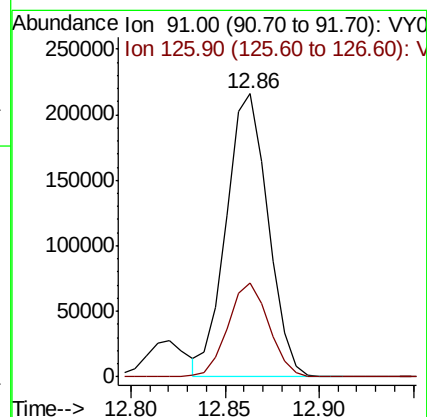
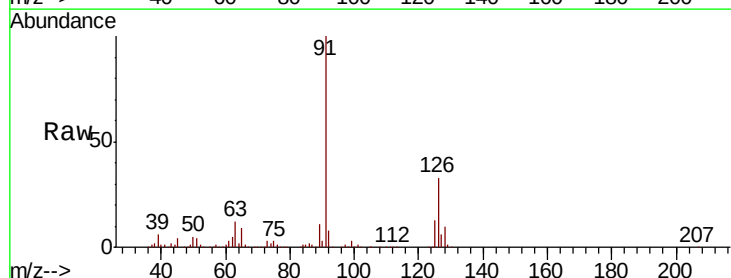
Acq: 19 Mar 2020 18:31

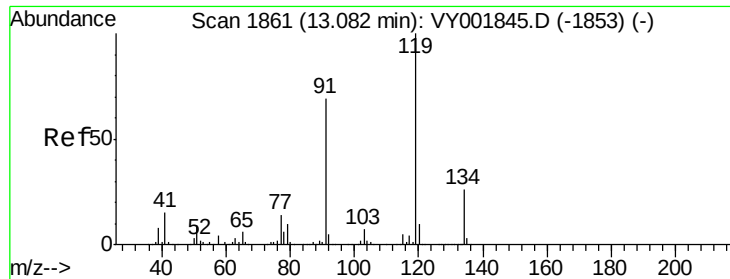
Tgt Ion: 91 Resp: 332307

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.2

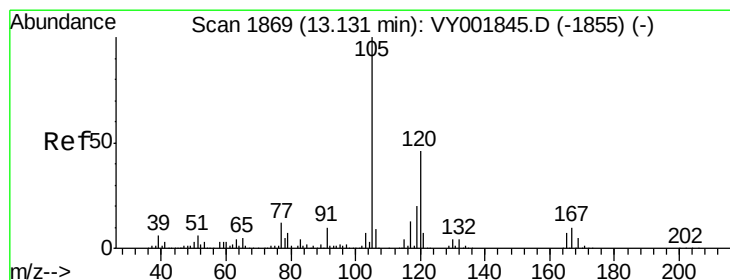
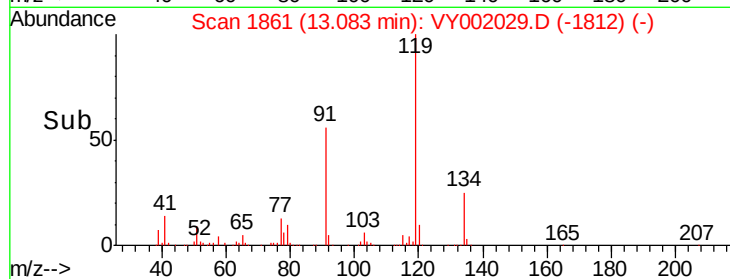
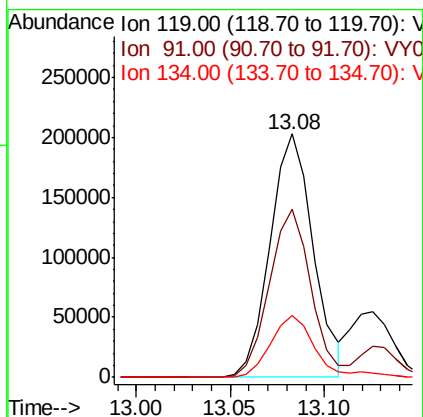
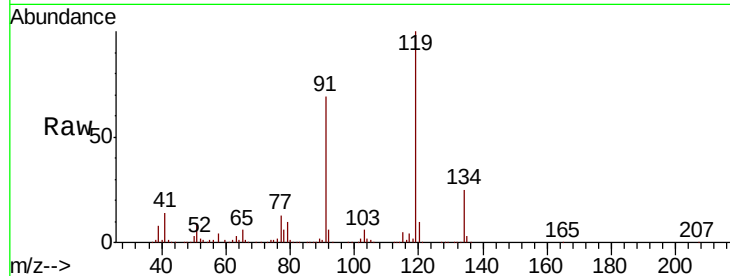




#83
 tert-Butylbenzene
 Concen: 52.934 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

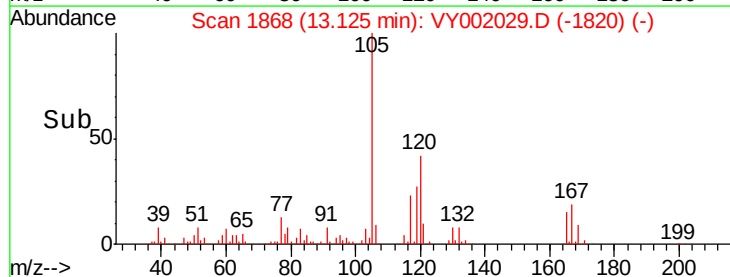
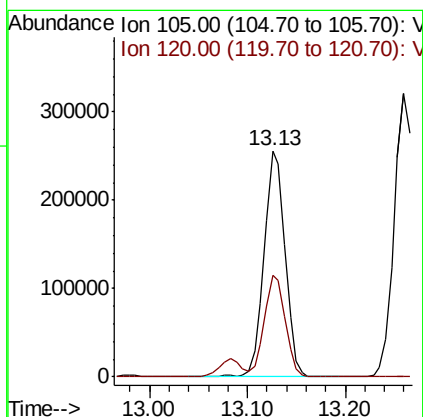
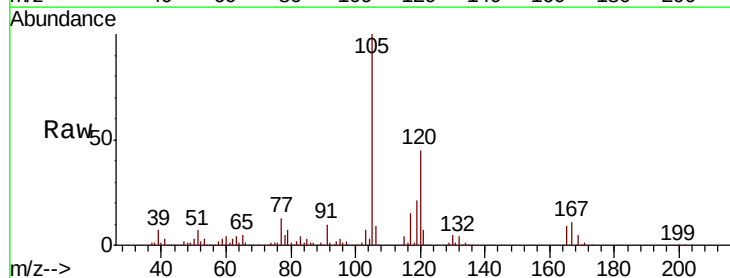
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

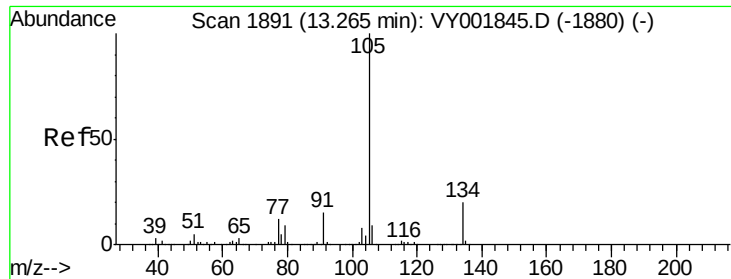
Tot Ion:119 Resp: 322366
 Ion Ratio Lower Upper
 119 100
 91 66.1 34.0 101.8
 134 26.3 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.327 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion:105 Resp: 380759
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 52.455 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

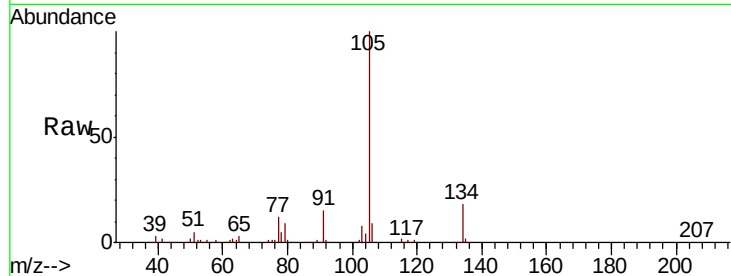
VSTDCCC050EC

Tot Ion:105 Resp: 470860

Ion Ratio Lower Upper

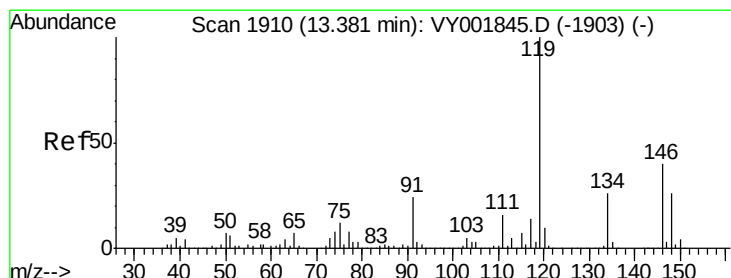
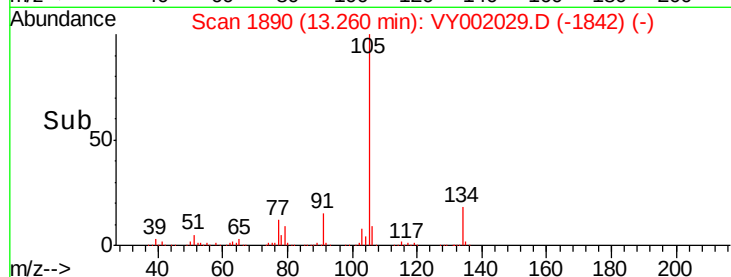
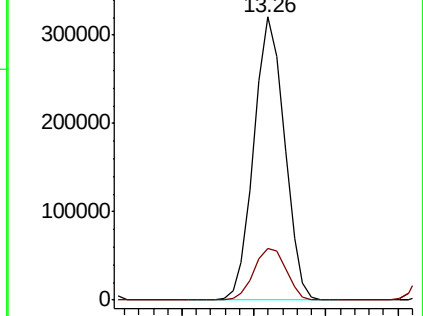
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.034 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002029.D

Acq: 19 Mar 2020 18:31

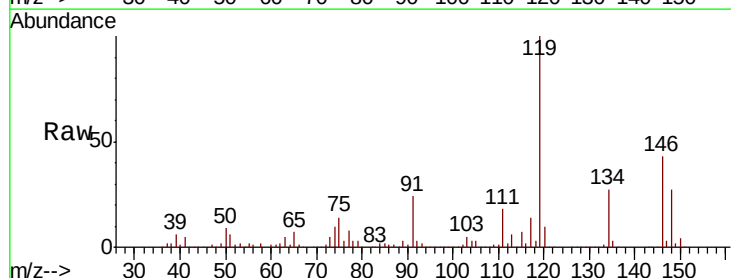
Tgt Ion:119 Resp: 402917

Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

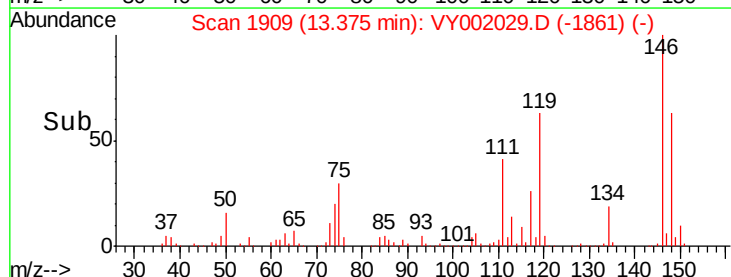
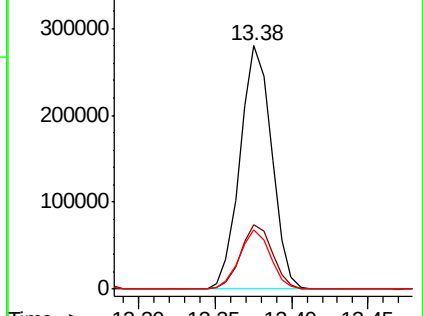
91 23.7 11.9 35.7

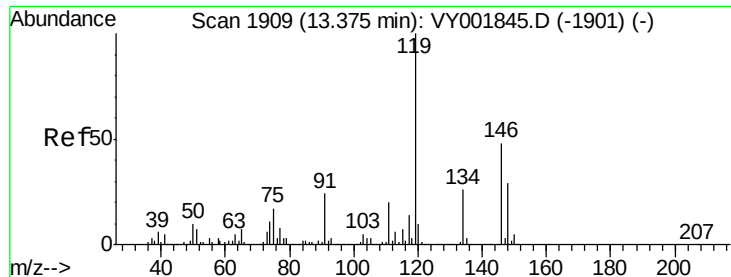


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

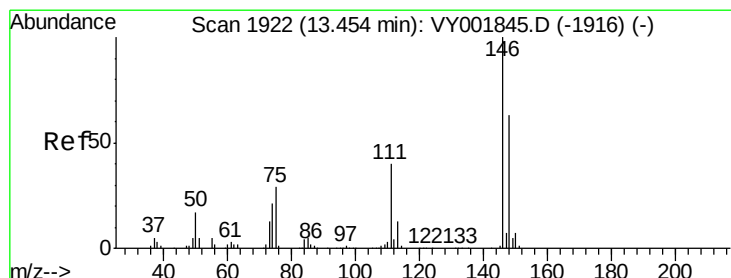
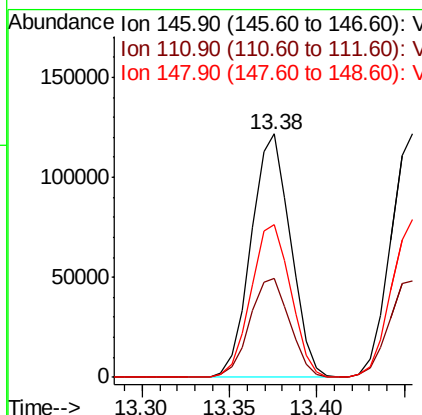
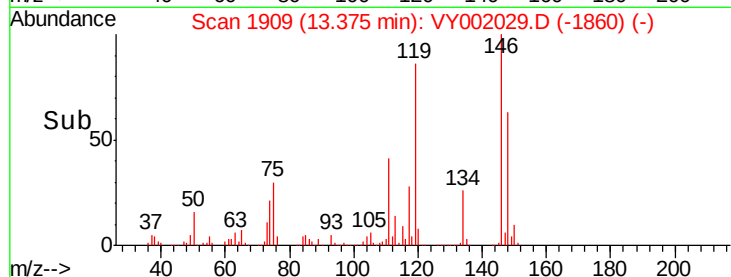
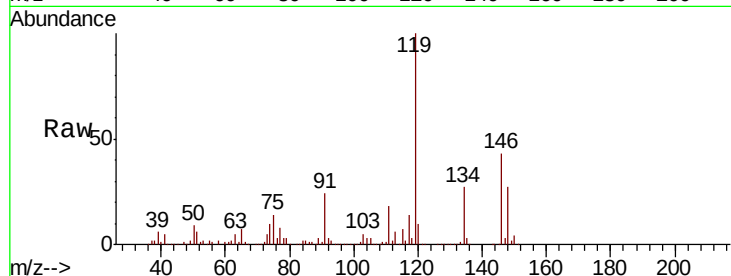




#87
 1,3-Dichlorobenzene
 Concen: 51.475 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

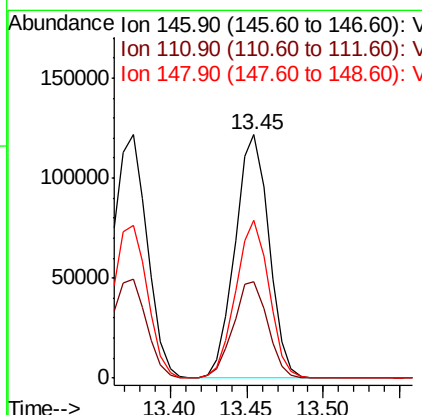
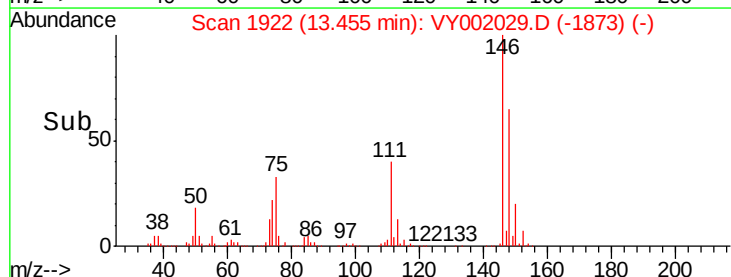
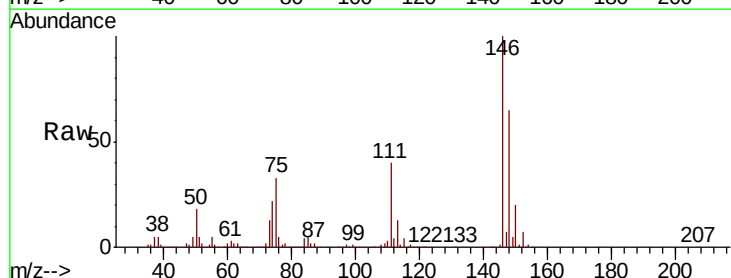
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

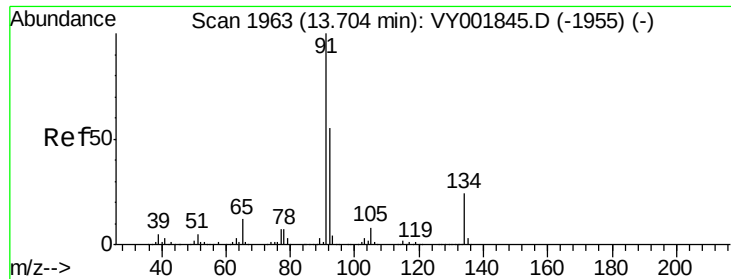
Tot Ion:146 Resp: 190341
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.5
 148 63.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 49.996 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion:146 Resp: 187552
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 63.8 31.5 94.5

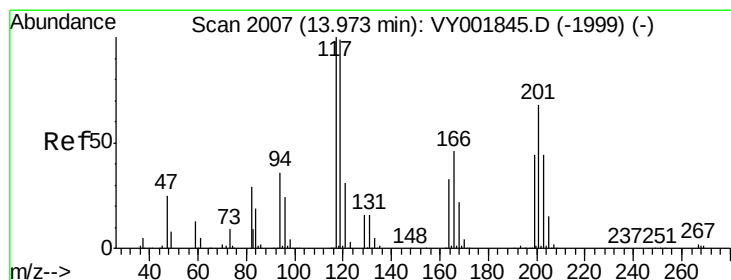
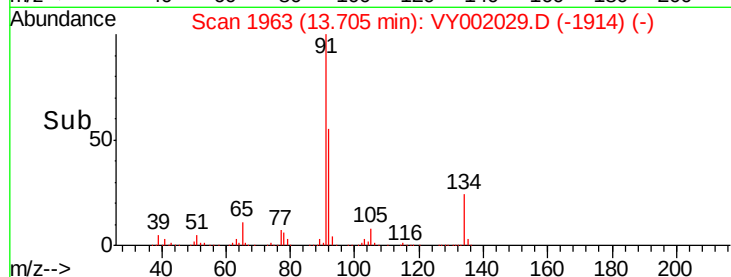
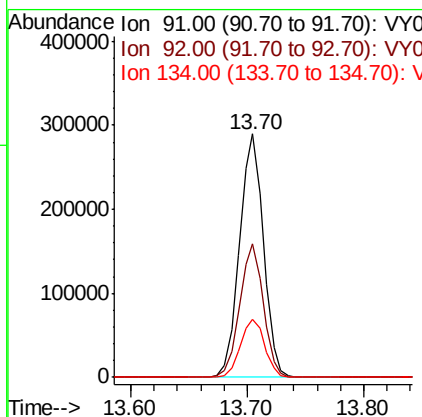
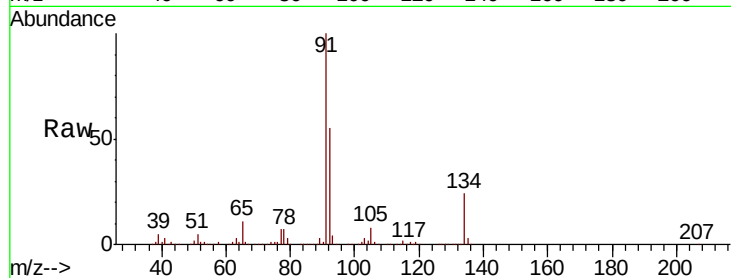




#89
n-Butylbenzene
Concen: 51.620 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

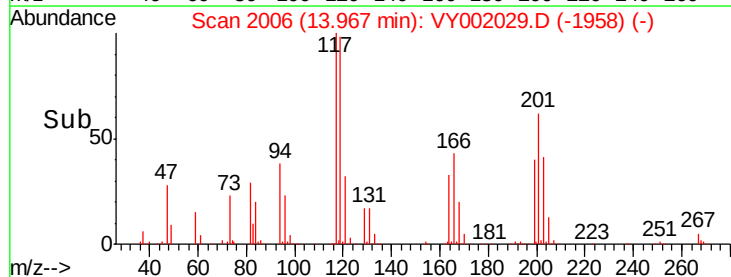
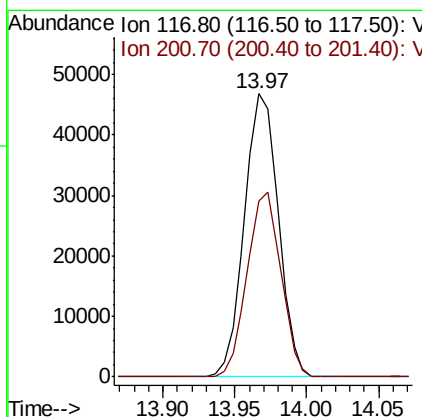
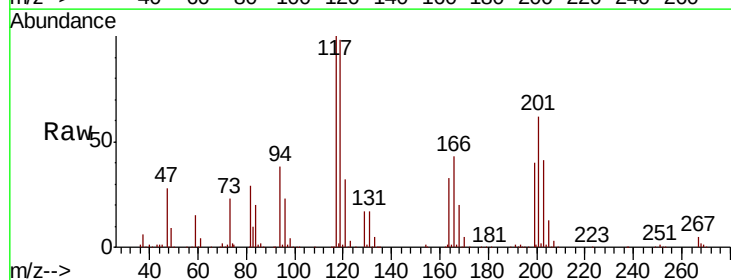
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

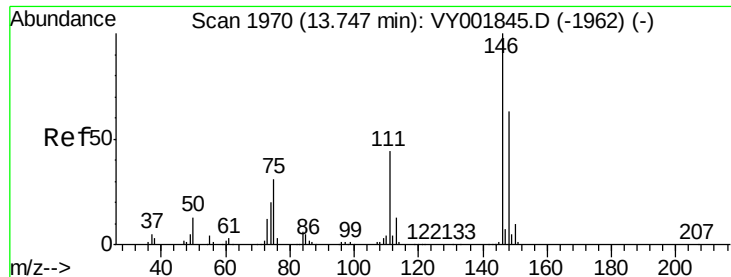
Tot Ion: 91 Resp: 414700
Ion Ratio Lower Upper
91 100
92 54.0 27.5 82.4
134 24.2 12.5 37.5



#90
Hexachloroethane
Concen: 52.371 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion: 117 Resp: 76504
Ion Ratio Lower Upper
117 100
201 64.6 32.5 97.5

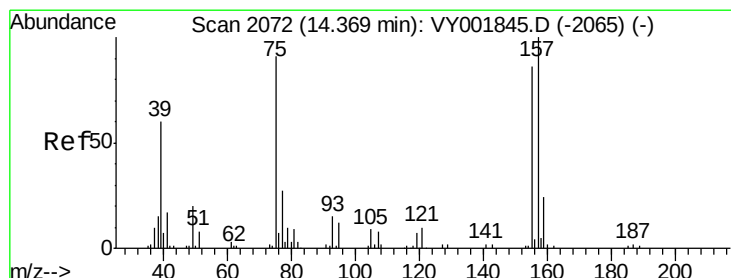
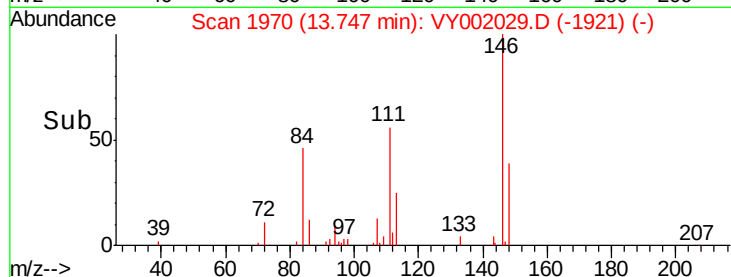
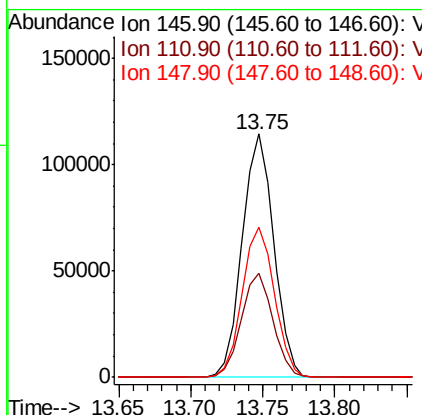
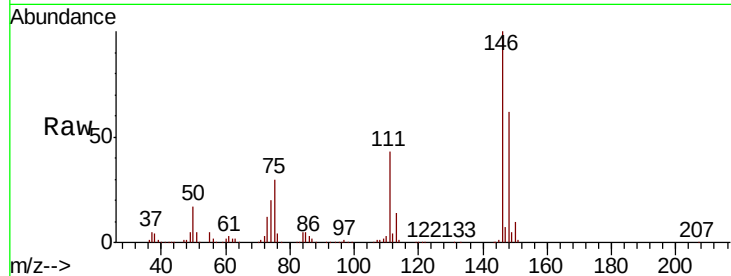




#91
 1,2-Dichlorobenzene
 Concen: 51.567 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

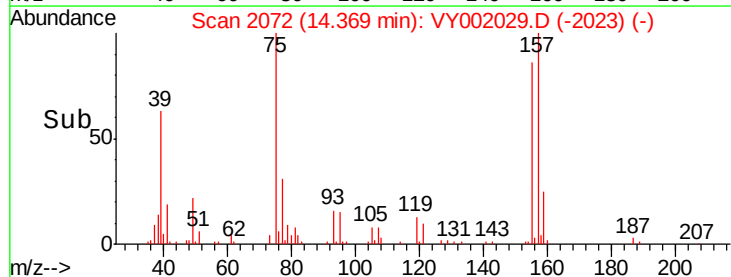
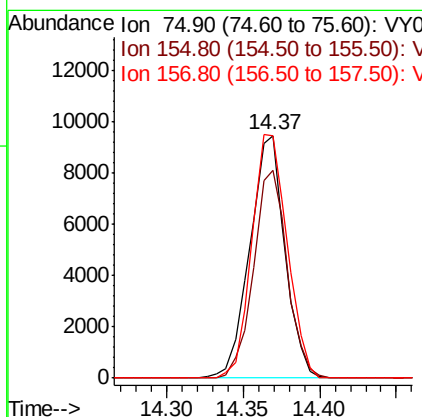
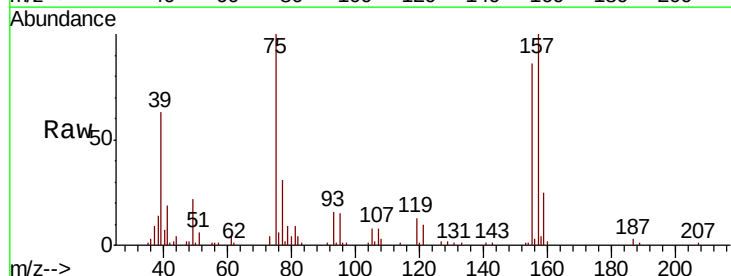
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

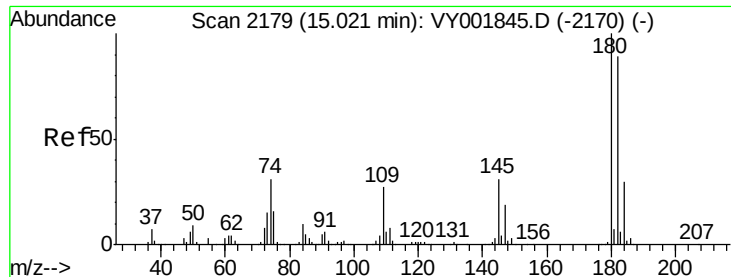
Tot Ion:146 Resp: 173232
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.5 64.5
 148 63.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.279 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion: 75 Resp: 15069
 Ion Ratio Lower Upper
 75 100
 155 82.5 42.9 128.7
 157 101.3 53.1 159.4

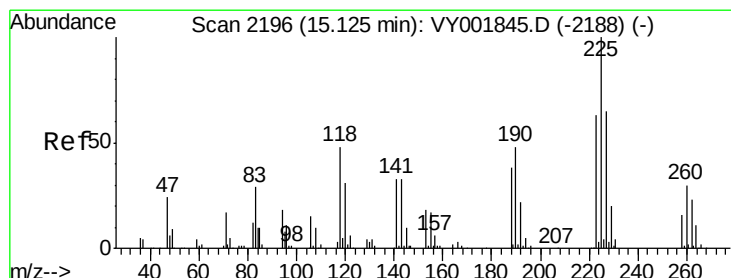
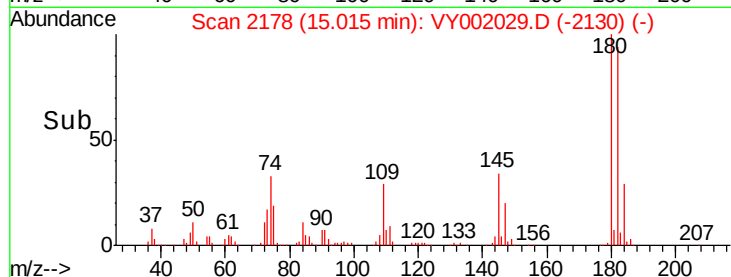
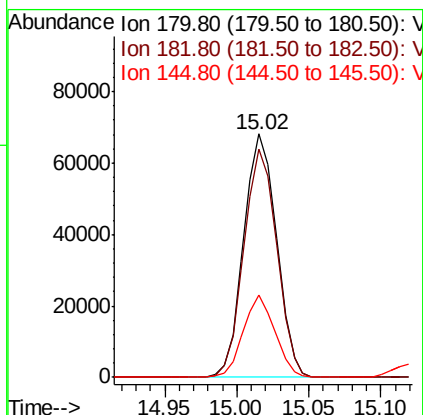
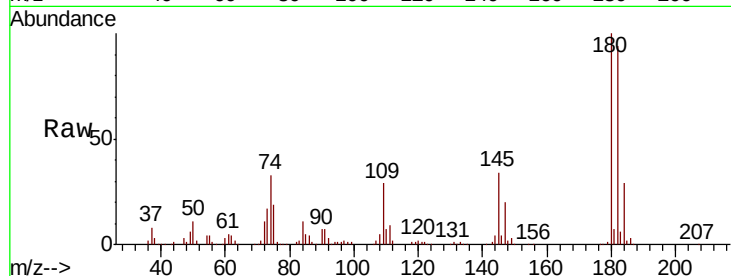




#93
 1,2,4-Trichlorobenzene
 Concen: 49.449 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

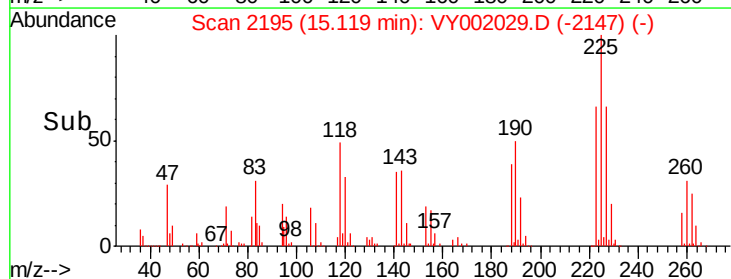
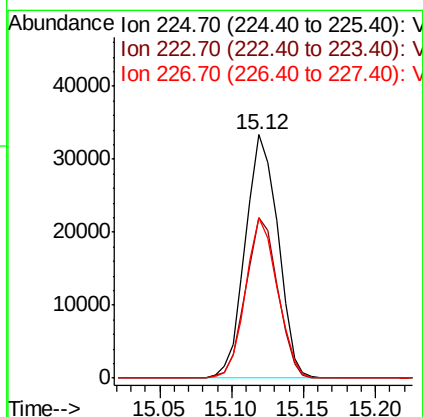
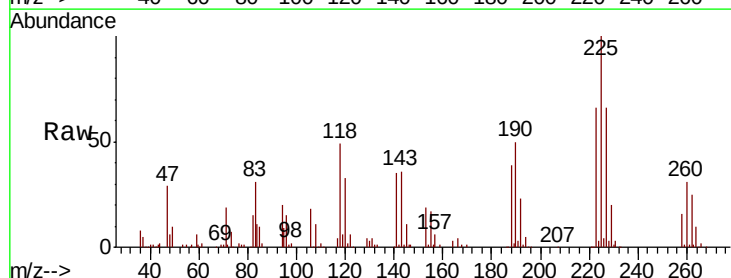
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

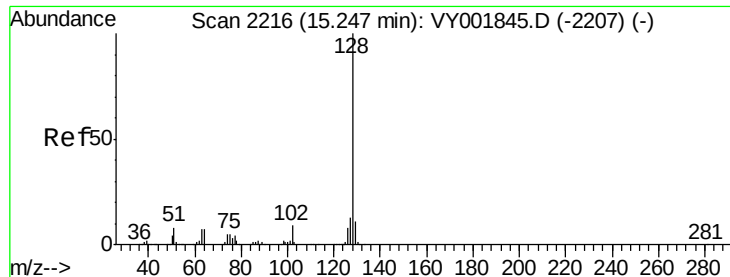
Tot Ion:180 Resp: 107729
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.1 138.3
 145 32.4 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 49.439 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY002029.D
 Acq: 19 Mar 2020 18:31

Tgt Ion:225 Resp: 52511
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.5 94.5
 227 64.1 31.9 95.5

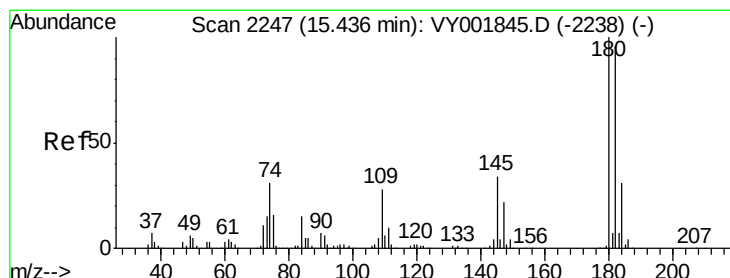
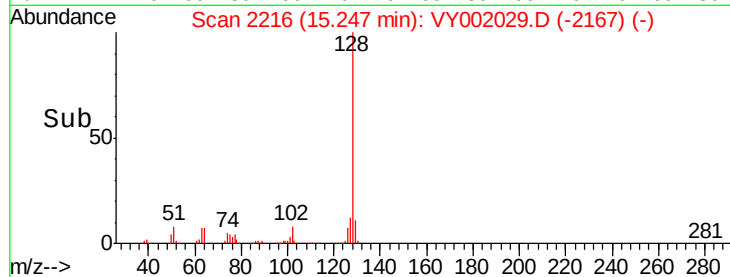
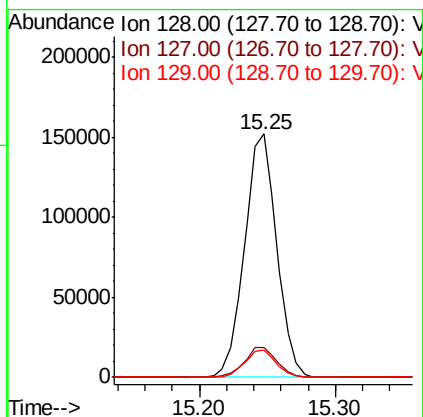
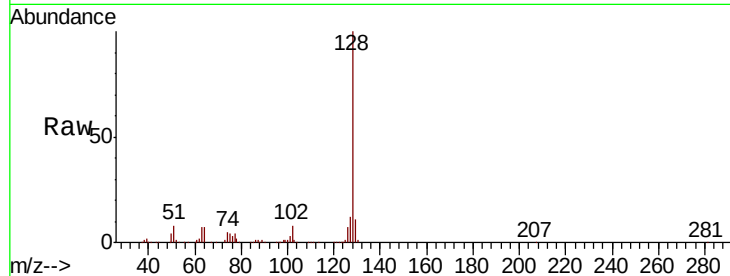




#95
Naphthalene
Concen: 48.611 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 251198
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.137 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002029.D
Acq: 19 Mar 2020 18:31

Tgt Ion:180 Resp: 94304
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.9
145 34.6 16.8 50.3

