

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000605.D
 Acq On : 08 Nov 2019 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 11 04:41:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	268320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	405816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	198151	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	154922	55.79	ug/l	0.00
Spiked Amount						
			Recovery	=	111.58%	
35) Dibromofluoromethane	7.73	113	140709	53.86	ug/l	0.00
Spiked Amount						
			Recovery	=	107.72%	
50) Toluene-d8	10.19	98	576764	58.18	ug/l	0.00
Spiked Amount						
			Recovery	=	116.36%	
62) 4-Bromofluorobenzene	12.49	95	209578	55.53	ug/l	0.00
Spiked Amount						
			Recovery	=	111.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	137539	52.072	ug/l	98
3) Chloromethane	2.12	50	183112	50.325	ug/l	99
4) Vinyl Chloride	2.26	62	169205	50.077	ug/l	99
5) Bromomethane	2.66	94	107771	53.189	ug/l	94
6) Chloroethane	2.80	64	113068	53.467	ug/l	97
7) Trichlorofluoromethane	3.13	101	247948	54.338	ug/l	98
8) Diethyl Ether	3.54	74	87035	53.680	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	146976	53.277	ug/l	96
10) Methyl Iodide	4.10	142	186207	51.198	ug/l	98
11) Tert butyl alcohol	5.00	59	58845	217.702	ug/l #	93
12) 1,1-Dichloroethene	3.88	96	142929	53.327	ug/l	92
13) Acrolein	3.74	56	59980	254.750	ug/l	98
14) Allyl chloride	4.49	41	246685	56.603	ug/l	99
15) Acrylonitrile	5.18	53	213962	257.605	ug/l	99
16) Acetone	3.97	43	179382	234.392	ug/l	99
17) Carbon Disulfide	4.20	76	437966	51.809	ug/l	99
18) Methyl Acetate	4.49	43	126071	52.980	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	399814	53.652	ug/l	97
20) Methylene Chloride	4.72	84	161318	49.193	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	159315	52.578	ug/l	97
22) Diisopropyl ether	6.13	45	542070	57.224	ug/l	93
23) Vinyl Acetate	6.08	43	1643287	274.811	ug/l	98
24) 1,1-Dichloroethane	6.04	63	283772	55.297	ug/l	97
25) 2-Butanone	7.00	43	323995	265.269	ug/l	99
26) 2,2-Dichloropropane	7.00	77	253142	53.978	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	180854	54.585	ug/l	99
28) Bromochloromethane	7.35	49	132600	56.112	ug/l	94
29) Tetrahydrofuran	7.36	42	187991	251.595	ug/l	99
30) Chloroform	7.52	83	286146	55.120	ug/l	93
31) Cyclohexane	7.80	56	279885	52.072	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	249390	53.903	ug/l	98
36) 1,1-Dichloropropene	7.93	75	224874	53.452	ug/l	99
37) Ethyl Acetate	7.09	43	127623	51.096	ug/l	98
38) Carbon Tetrachloride	7.91	117	225481	55.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	290427	53.435	ug/l	95
40) Benzene	8.17	78	662736	53.733	ug/l	98
41) Methacrylonitrile	7.36	41	175072	125.646	ug/l #	59
42) 1,2-Dichloroethane	8.25	62	193482	55.309	ug/l	98
43) Isopropyl Acetate	8.28	43	256837	54.740	ug/l	99
44) Trichloroethene	8.95	130	175347	53.920	ug/l	99
45) 1,2-Dichloropropane	9.22	63	168033	55.354	ug/l	94
46) Dibromomethane	9.31	93	90724	54.343	ug/l	97
47) Bromodichloromethane	9.50	83	221480	55.911	ug/l	98
48) Methyl methacrylate	9.30	41	115131	56.161	ug/l	95
49) 1,4-Dioxane	9.32	88	20881	929.342	ug/l #	68
51) 4-Methyl-2-Pentanone	10.08	43	683857	274.135	ug/l	99
52) Toluene	10.25	92	427177	54.781	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	243109	57.437	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	269501	55.579	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	128713	53.304	ug/l	99
56) Ethyl methacrylate	10.52	69	193709	56.600	ug/l	99
57) 1,3-Dichloropropane	10.80	76	232578	55.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	407747	263.532	ug/l	99
59) 2-Hexanone	10.84	43	554563	305.116	ug/l	100
60) Dibromochloromethane	10.99	129	152165	55.016	ug/l	100
61) 1,2-Dibromoethane	11.10	107	125009	53.843	ug/l	98
64) Tetrachloroethene	10.72	164	169112	50.397	ug/l	94
65) Chlorobenzene	11.52	112	442858	53.824	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	157637	55.243	ug/l	98
67) Ethyl Benzene	11.60	91	829065	54.750	ug/l	99
68) m/p-Xylenes	11.70	106	628522	107.240	ug/l	96
69) o-Xylene	12.03	106	293694	53.319	ug/l	99
70) Styrene	12.05	104	516365	54.746	ug/l	99
71) Bromoform	12.21	173	90762	55.300	ug/l #	98
73) Isopropylbenzene	12.33	105	813879	55.574	ug/l	100
74) N-amyl acetate	12.14	43	239741	57.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	159525	55.014	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	218757	96.957	ug/l #	100
77) Bromobenzene	12.61	156	175764	52.925	ug/l	95
78) n-propylbenzene	12.67	91	980697	55.500	ug/l	99
79) 2-Chlorotoluene	12.76	91	548236	55.887	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	676819	55.491	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	57796	57.435	ug/l	97
82) 4-Chlorotoluene	12.86	91	574563	56.503	ug/l	97
83) tert-Butylbenzene	13.08	119	564265	54.182	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	676618	55.716	ug/l	99
85) sec-Butylbenzene	13.25	105	816905	55.057	ug/l	100
86) p-Isopropyltoluene	13.37	119	726194	54.916	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	348250	53.537	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	347086	53.397	ug/l	100
89) n-Butylbenzene	13.70	91	713852	54.732	ug/l	99
90) Hexachloroethane	13.96	117	138288	56.567	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	319779	54.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26532	51.700	ug/l	96

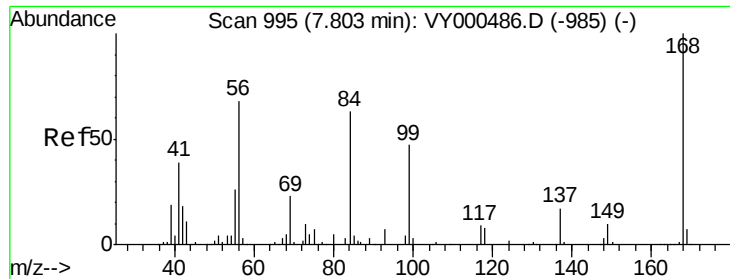
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	206320	51.341	ug/l	99
94) Hexachlorobutadiene	15.11	225	107688	51.985	ug/l	99
95) Naphthalene	15.23	128	462636	51.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	182878	50.725	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

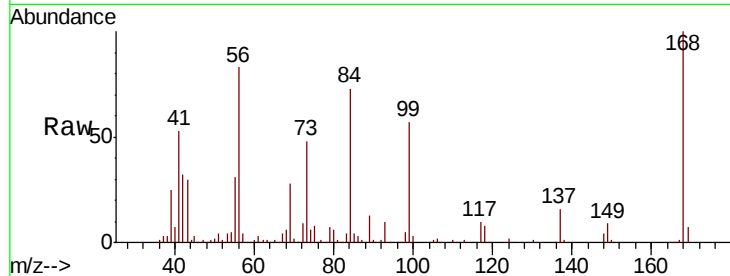
VSTDCCC050

Tot Ion:168 Resp: 268320

Ion Ratio Lower Upper

168 100

99 57.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

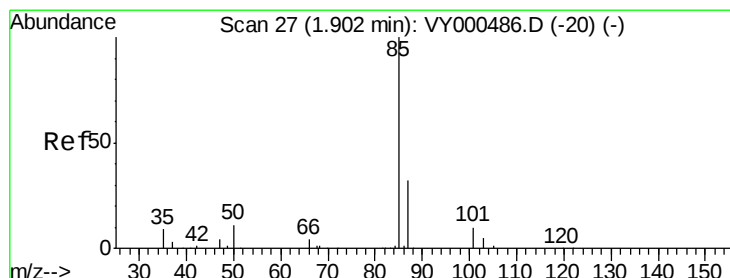
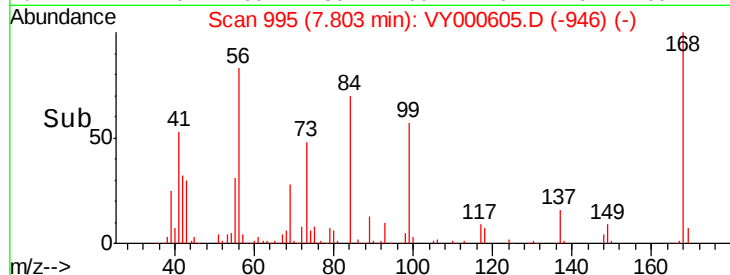
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.072 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000605.D

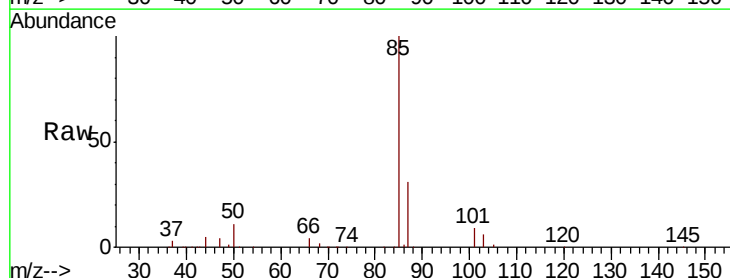
Acq: 08 Nov 2019 10:21

Tgt Ion: 85 Resp: 137539

Ion Ratio Lower Upper

85 100

87 30.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.91

100000

80000

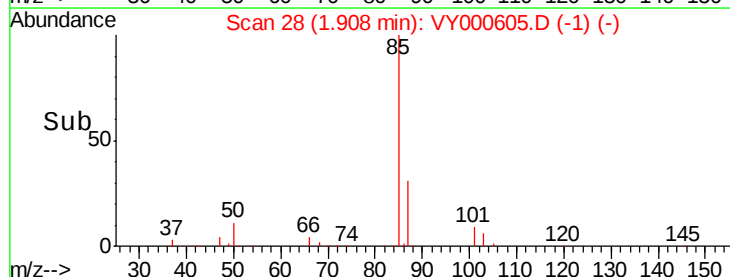
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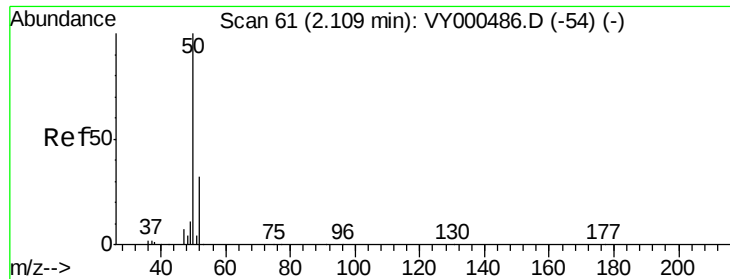
40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.325 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

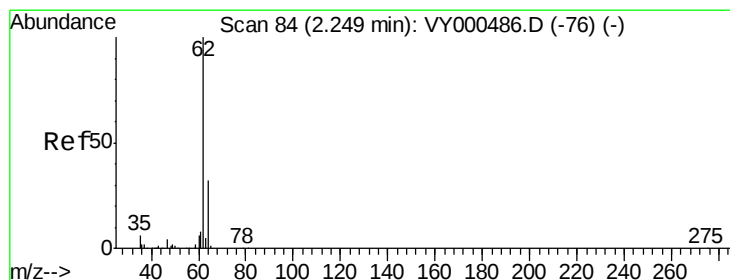
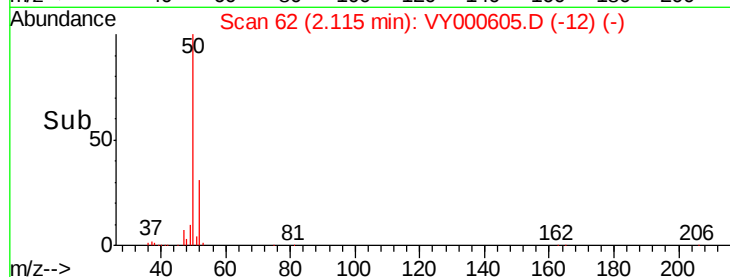
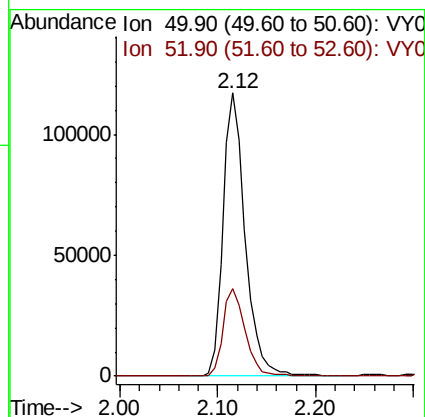
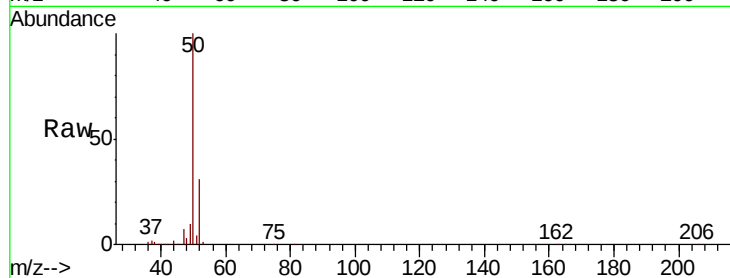
VSTDCCC050

Tot Ion: 50 Resp: 183112

Ion Ratio Lower Upper

50 100

52 30.8 25.2 37.8



#4

Vinyl Chloride

Concen: 50.077 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000605.D

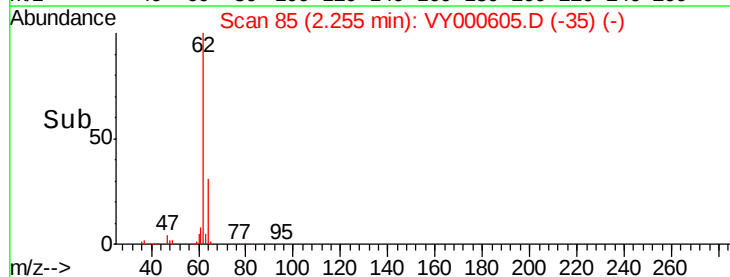
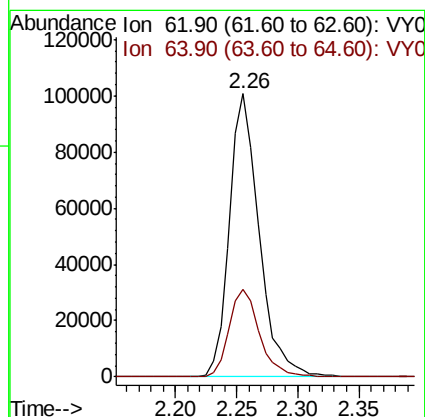
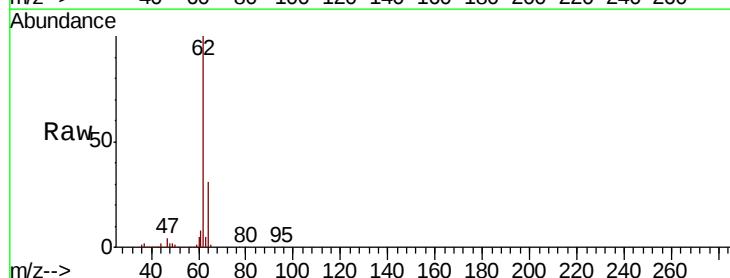
Acq: 08 Nov 2019 10:21

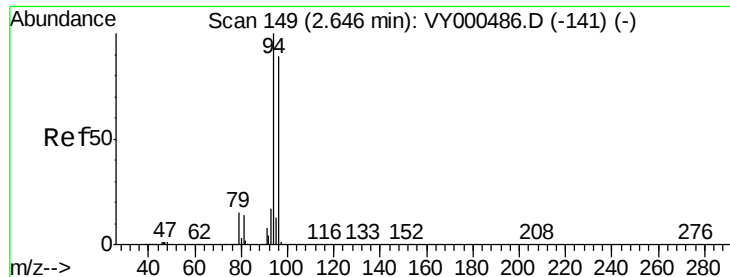
Tgt Ion: 62 Resp: 169205

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8





#5

Bromomethane

Concen: 53.189 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

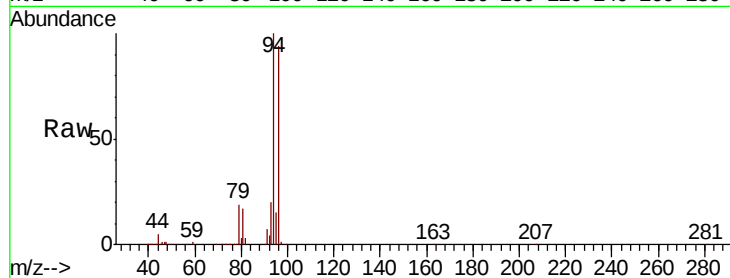
VSTDCCC050

Tot Ion: 94 Resp: 107771

Ion Ratio Lower Upper

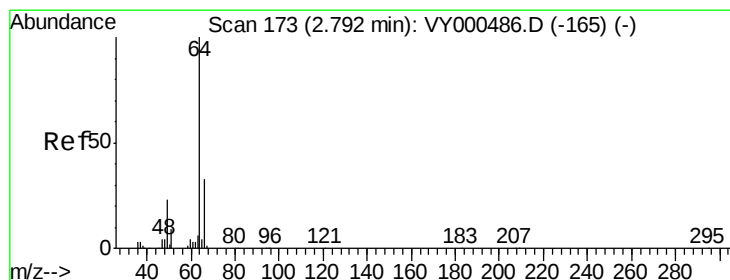
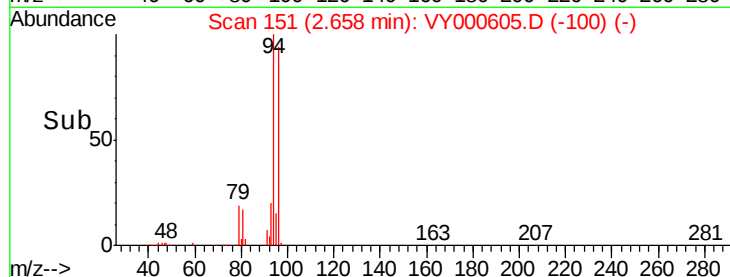
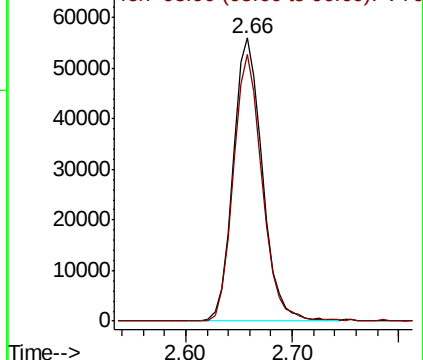
94 100

96 94.3 71.2 106.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.467 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000605.D

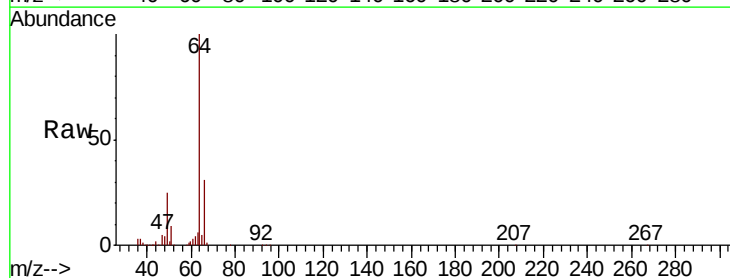
Acq: 08 Nov 2019 10:21

Tgt Ion: 64 Resp: 113068

Ion Ratio Lower Upper

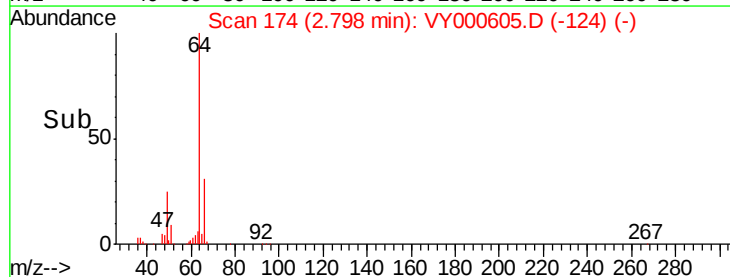
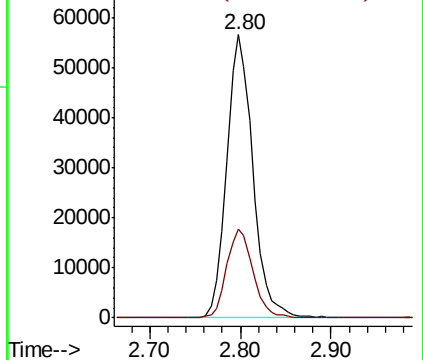
64 100

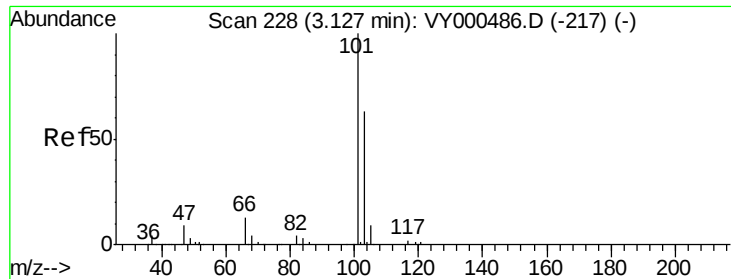
66 31.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



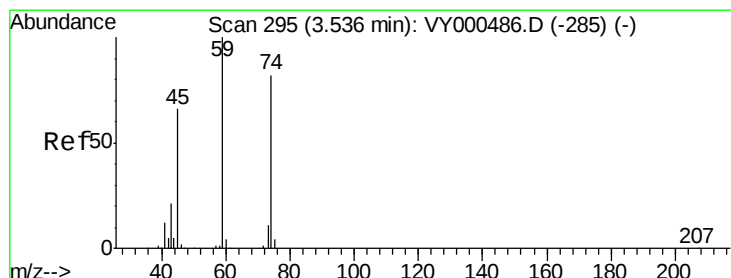
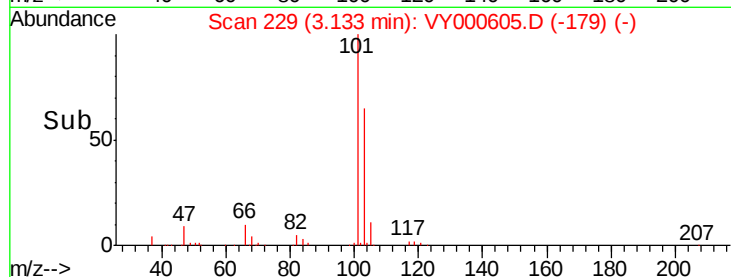
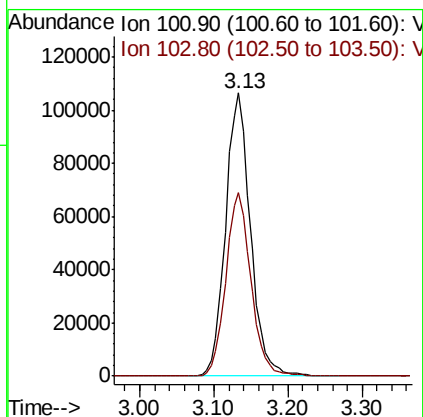
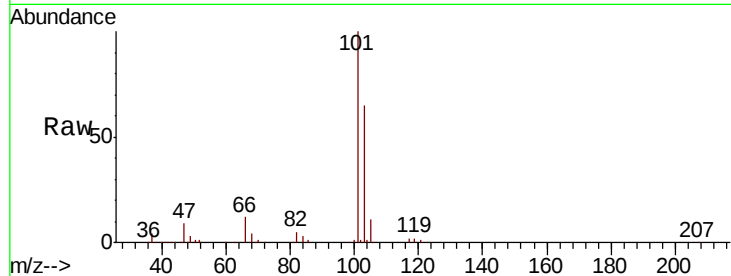


#7

Trichlorofluoromethane
Concen: 54.338 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Instrument :
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ClientSampleId :
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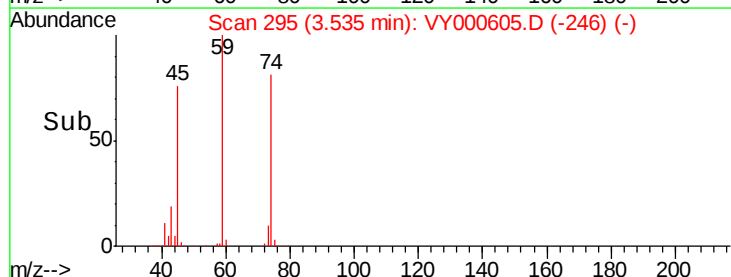
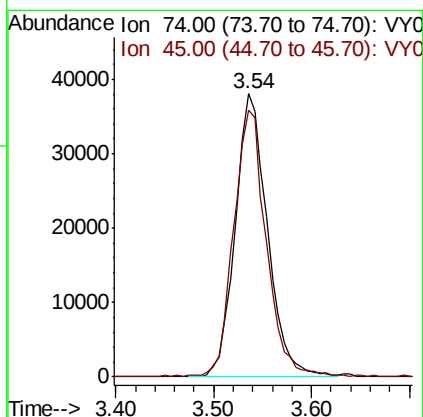
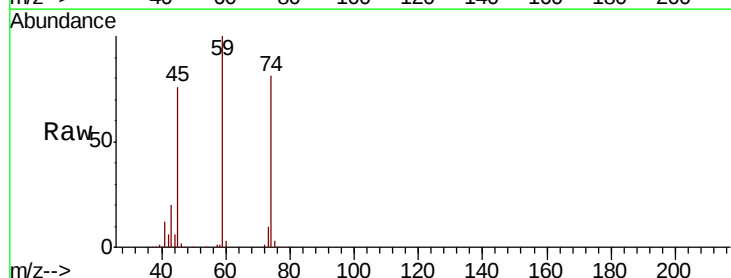
Tot Ion:101 Resp: 247948
Ion Ratio Lower Upper
101 100
103 65.0 50.5 75.7



#8

Diethyl Ether
Concen: 53.680 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 74 Resp: 87035
Ion Ratio Lower Upper
74 100
45 95.9 45.5 136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.277 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

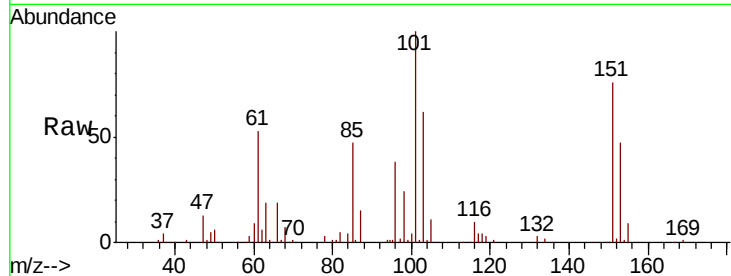
Tot Ion:101 Resp: 146976

Ion Ratio Lower Upper

101 100

85 45.3 36.7 55.1

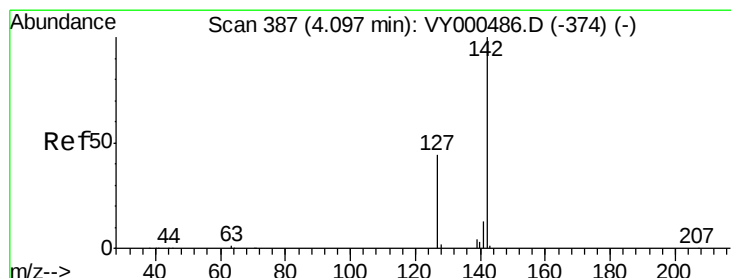
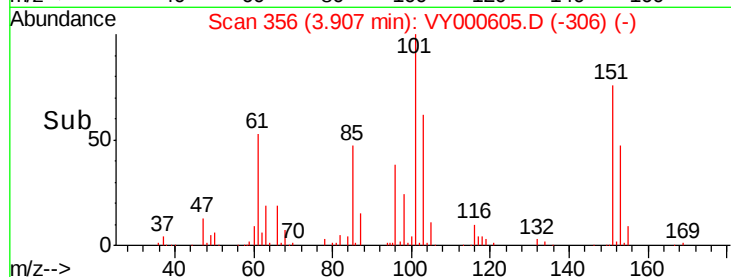
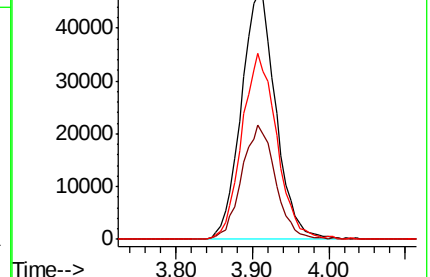
151 75.7 64.3 96.5



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: 51.198 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

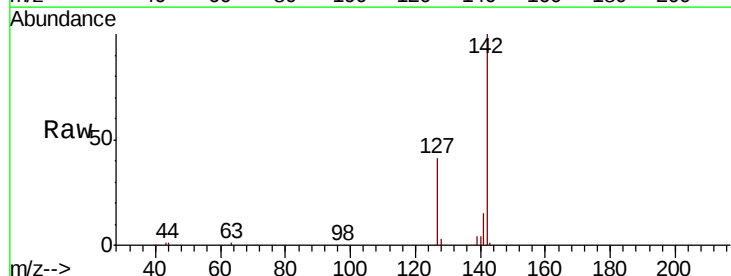
Tgt Ion:142 Resp: 186207

Ion Ratio Lower Upper

142 100

127 43.3 33.7 50.5

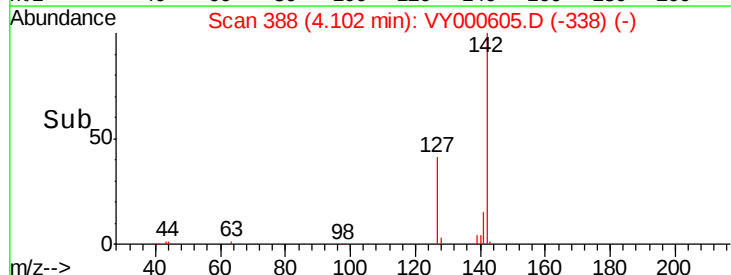
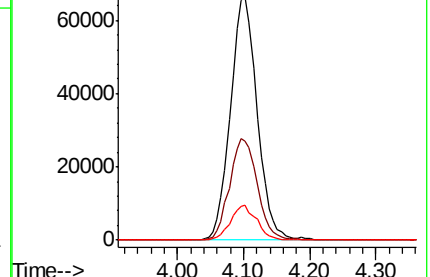
141 14.0 10.9 16.3

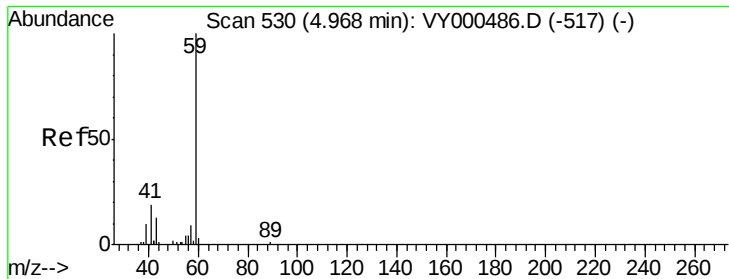


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



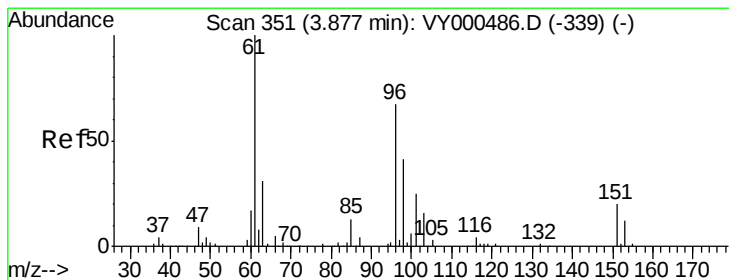
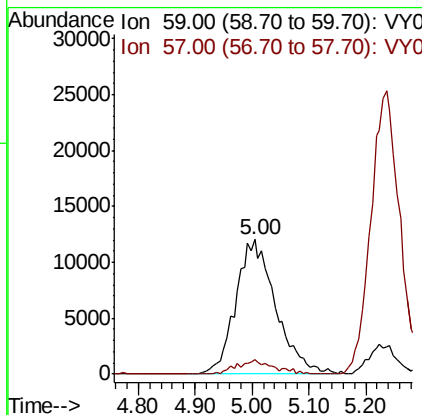
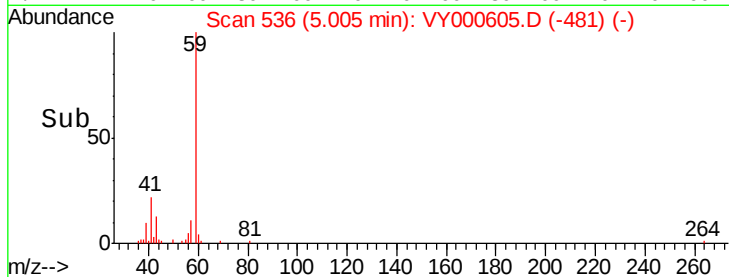
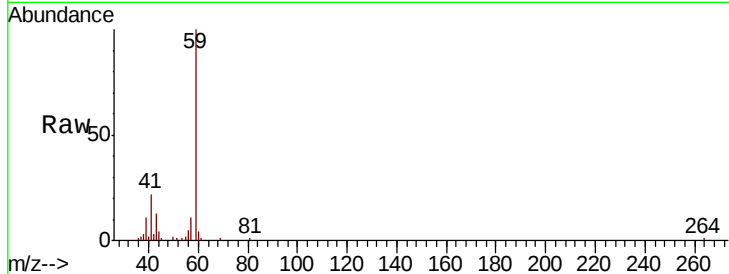


#11

Tert butyl alcohol
Concen: 217.702 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.04 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

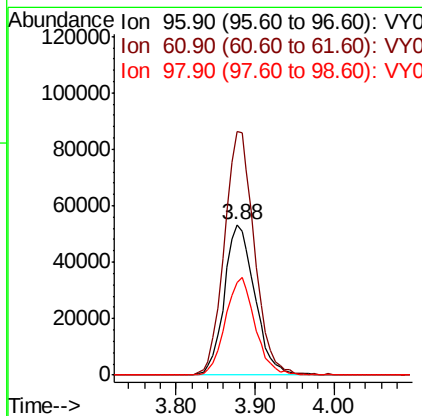
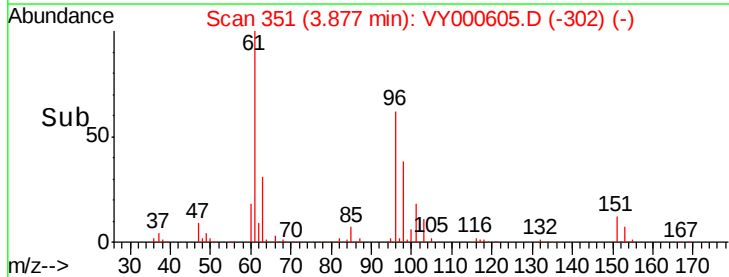
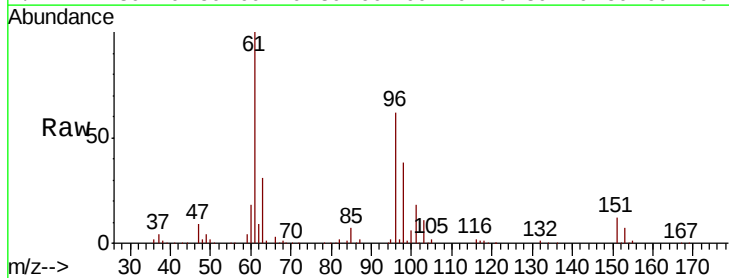
Tot Ion: 59 Resp: 58845
Ion Ratio Lower Upper
59 100
57 8.2 8.6 12.8#

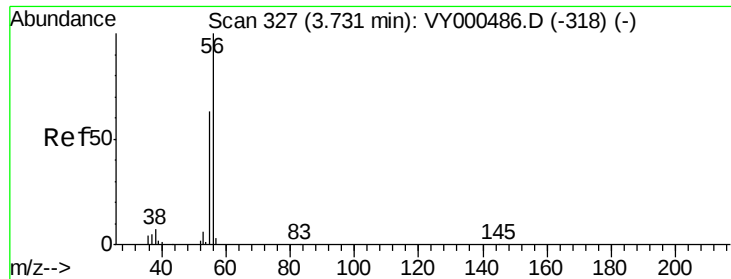


#12

1,1-Dichloroethene
Concen: 53.327 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 96 Resp: 142929
Ion Ratio Lower Upper
96 100
61 162.0 119.2 178.8
98 61.7 48.6 73.0





#13

Acrolein

Concen: 254.750 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

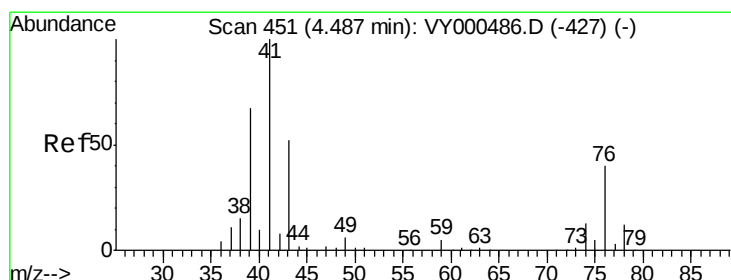
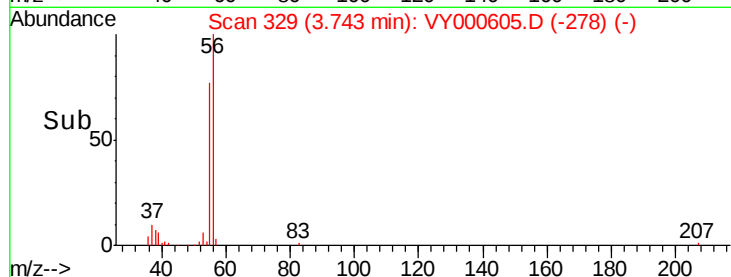
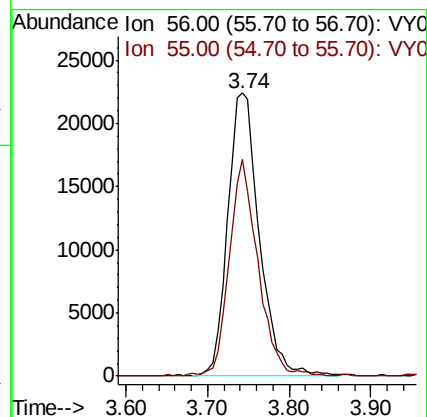
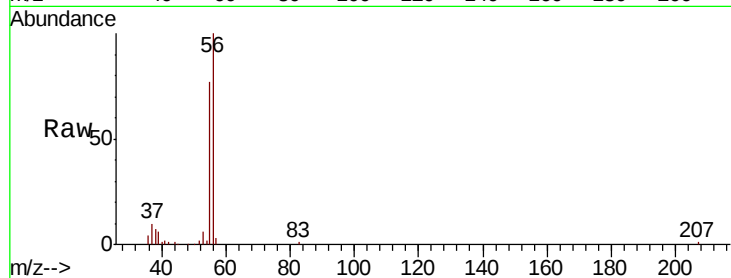
VSTDCCC050

Tot Ion: 56 Resp: 59980

Ion Ratio Lower Upper

56 100

55 69.8 57.0 85.6



#14

Allyl chloride

Concen: 56.603 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

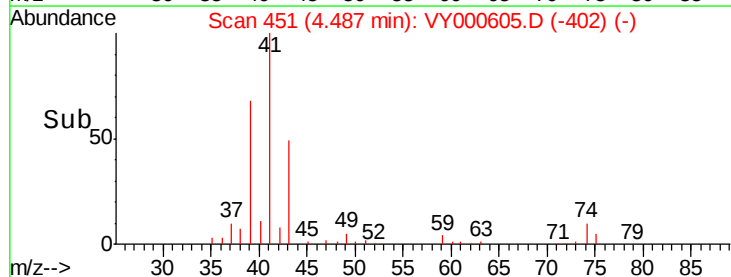
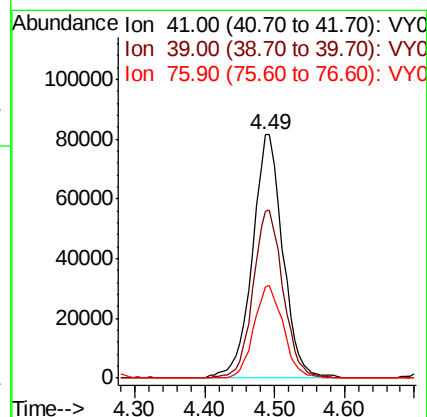
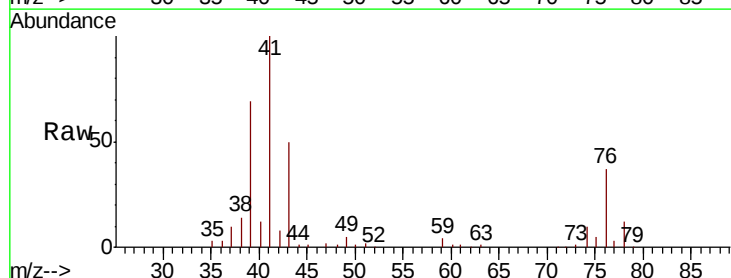
Tgt Ion: 41 Resp: 246685

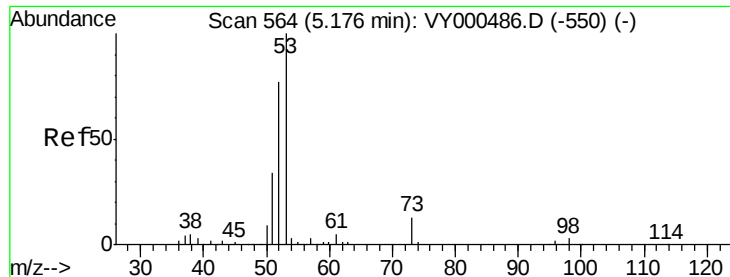
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 36.7 29.8 44.6





#15

Acrylonitrile

Concen: 257.605 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

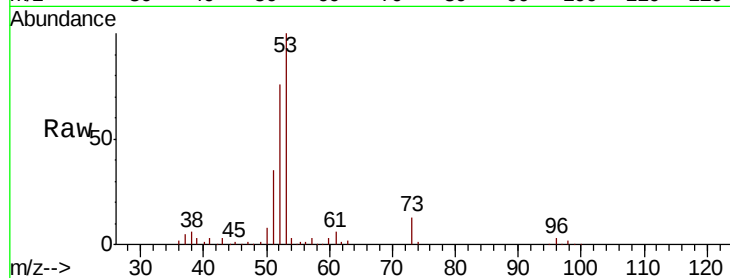
Tot Ion: 53 Resp: 213962

Ion Ratio Lower Upper

53 100

52 81.0 64.9 97.3

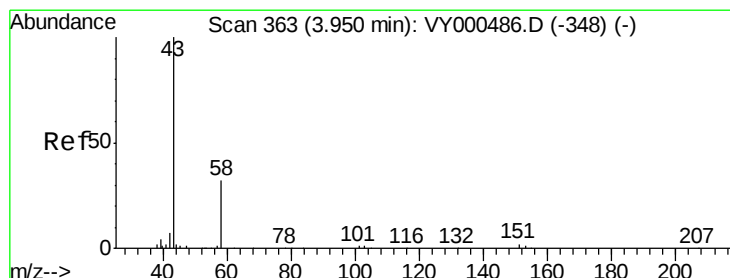
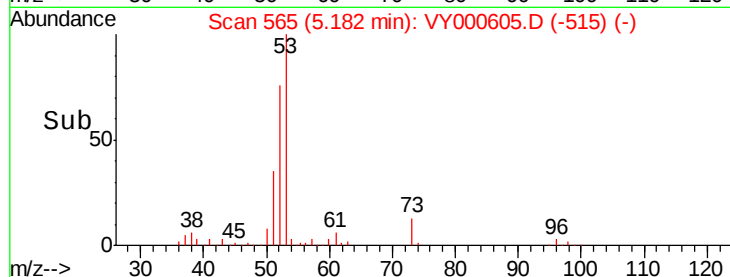
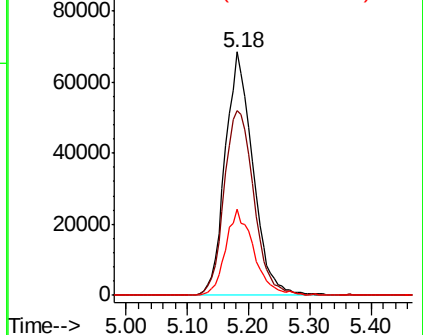
51 35.8 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 234.392 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000605.D

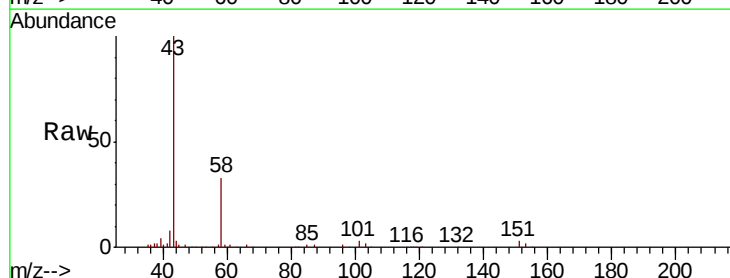
Acq: 08 Nov 2019 10:21

Tgt Ion: 43 Resp: 179382

Ion Ratio Lower Upper

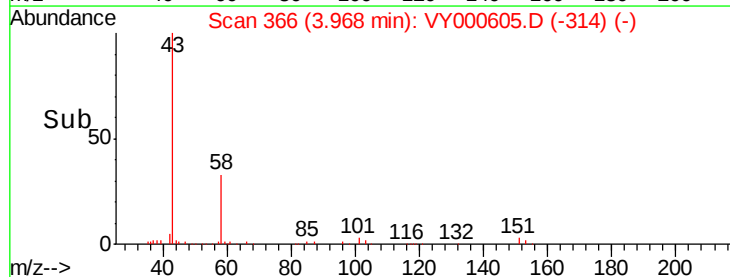
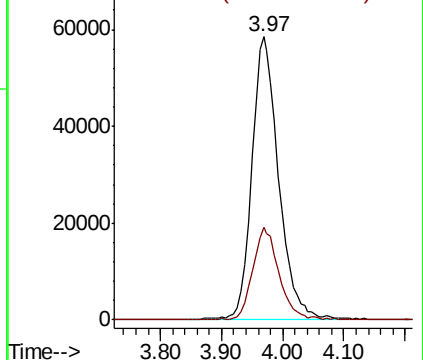
43 100

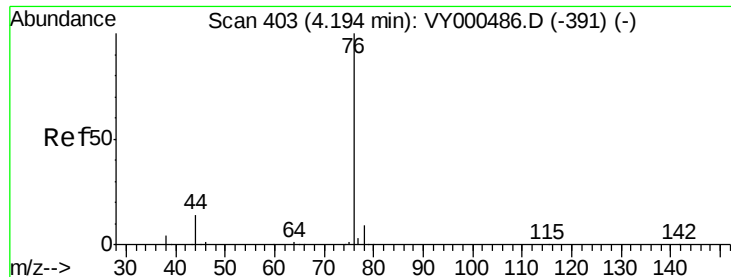
58 32.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

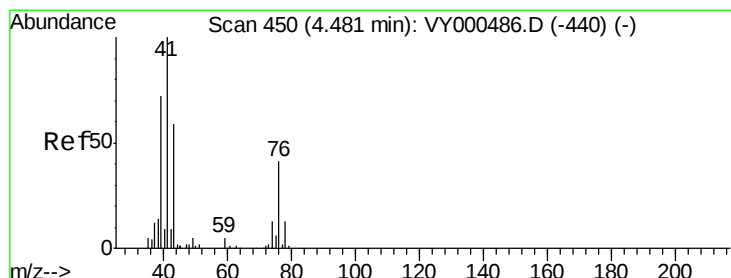
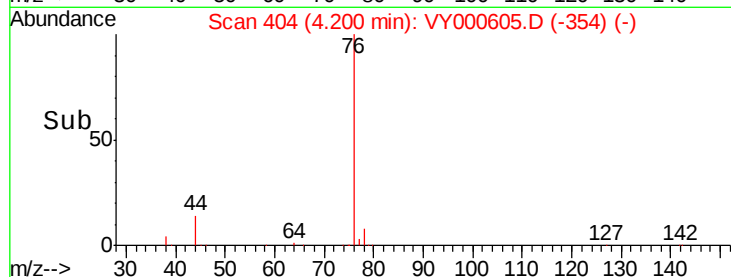
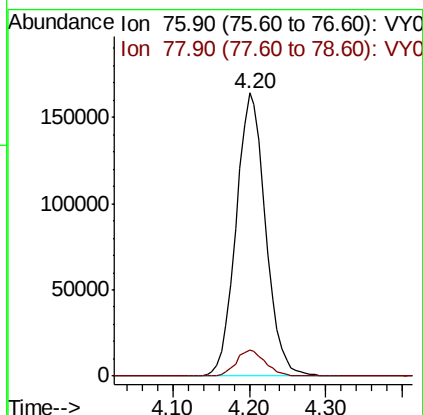
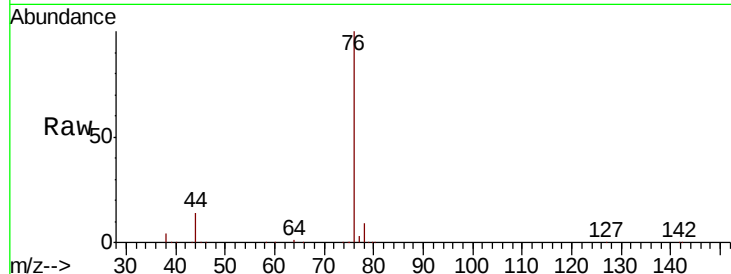




#17
Carbon Disulfide
Concen: 51.809 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

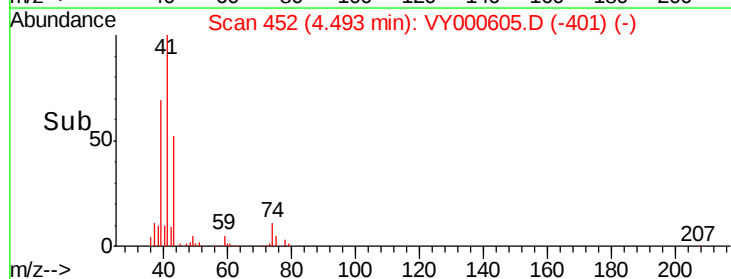
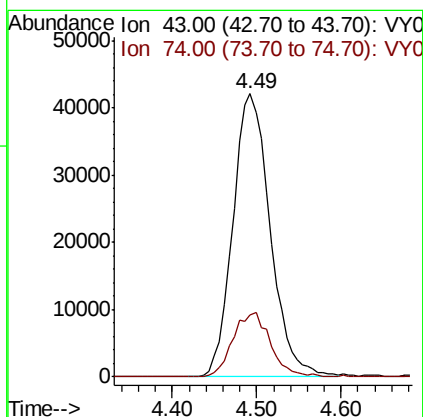
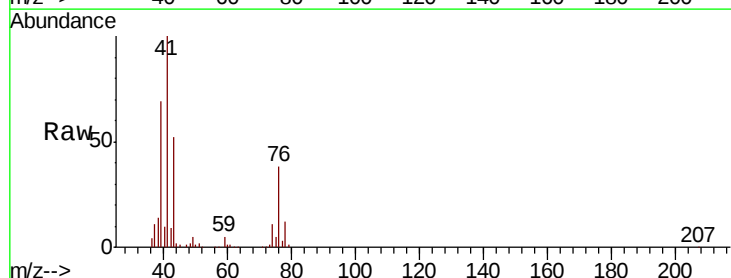
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

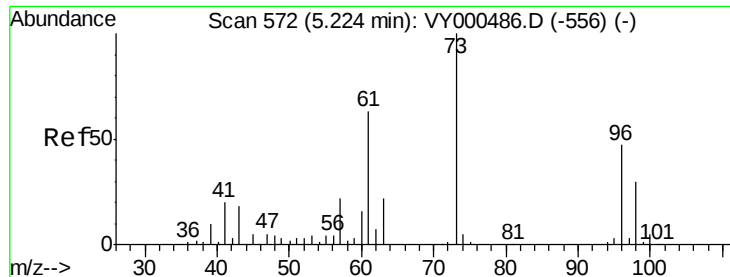
Tot Ion: 76 Resp: 437966
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 52.980 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 43 Resp: 126071
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8

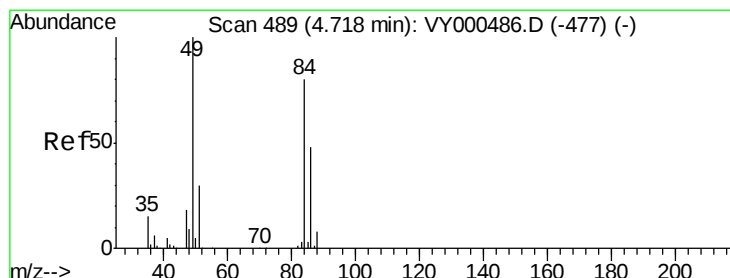
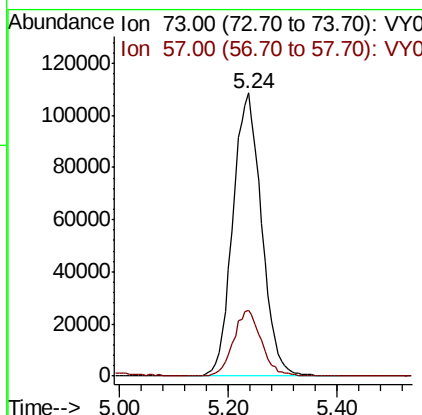
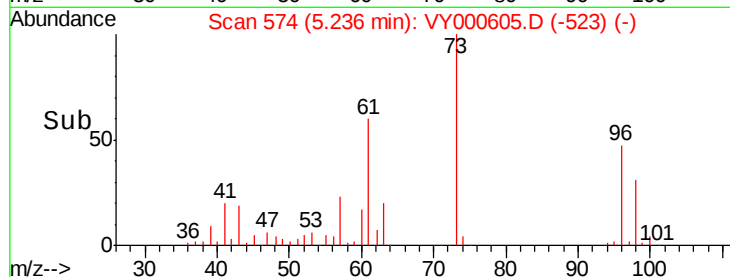
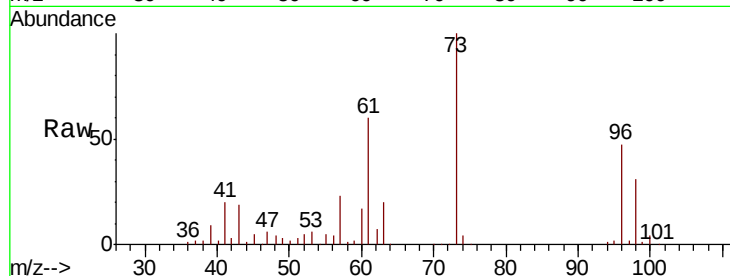




#19
Methvl tert-butvl Ether
Concen: 53.652 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

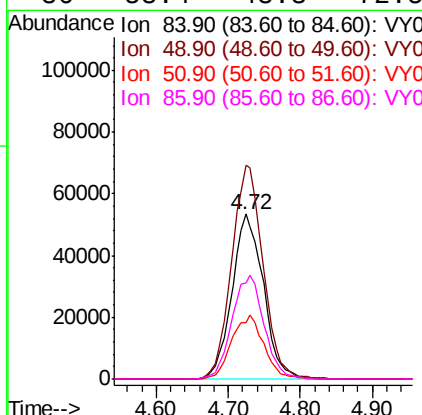
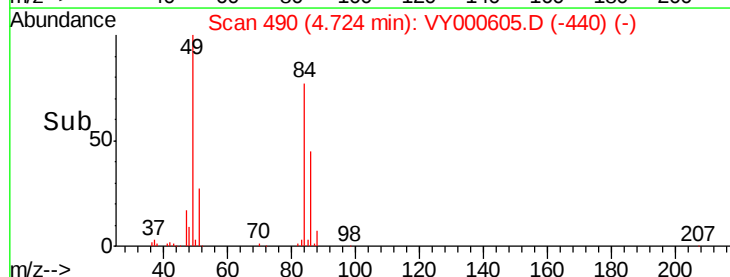
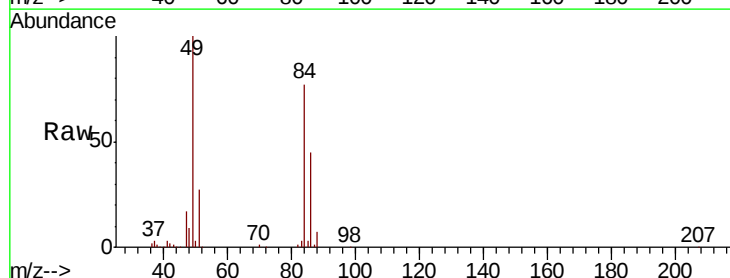
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

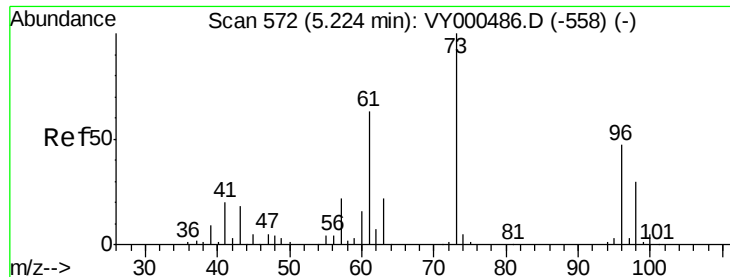
Tot Ion: 73 Resp: 399814
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.0



#20
Methylene Chloride
Concen: 49.193 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 84 Resp: 161318
Ion Ratio Lower Upper
84 100
49 129.7 100.2 150.4
51 34.4 29.6 44.4
86 58.4 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 52.578 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

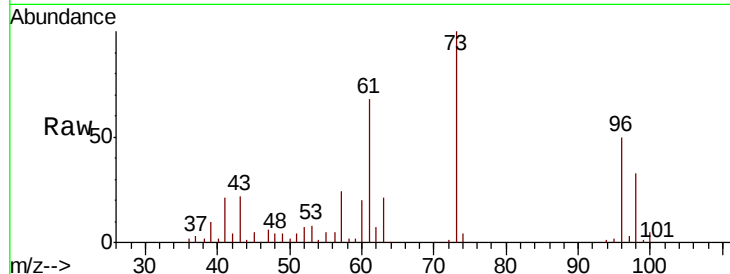
Tot Ion: 96 Resp: 159315

Ion Ratio Lower Upper

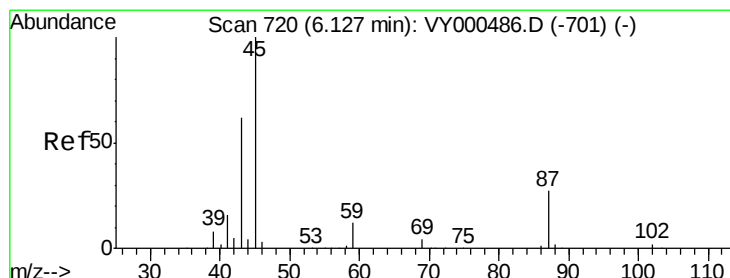
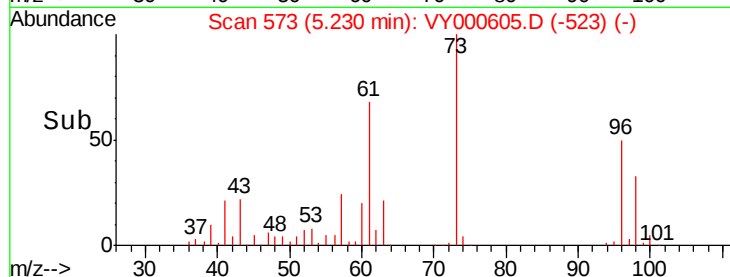
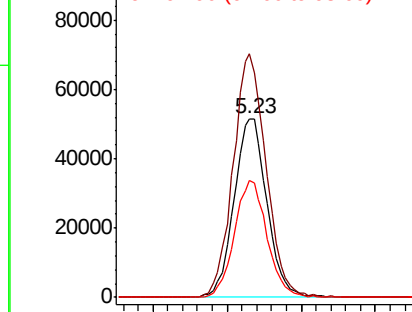
96 100

61 136.3 106.6 160.0

98 65.5 50.6 76.0



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



#22

Diisopropyl ether

Concen: 57.224 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Tgt Ion: 45 Resp: 542070

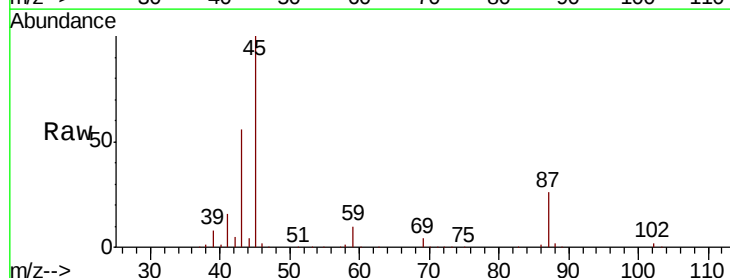
Ion Ratio Lower Upper

45 100

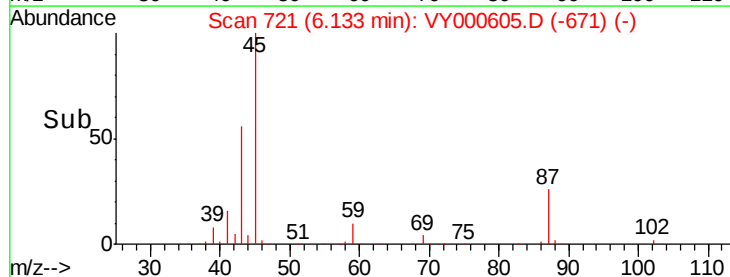
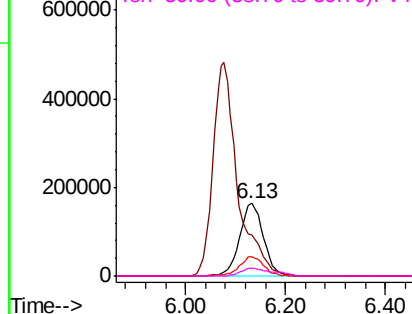
43 55.4 50.0 75.0

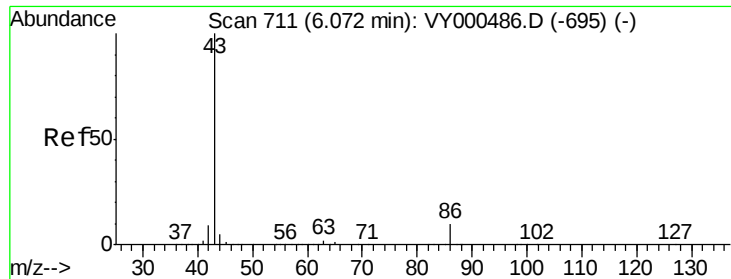
87 25.7 21.6 32.4

59 10.2 9.5 14.3



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: 274.811 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

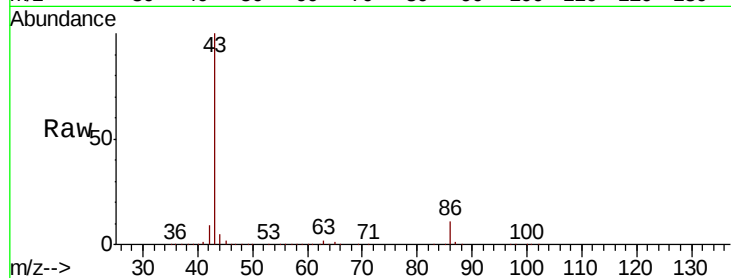
VSTDCCC050

Tot Ion: 43 Resp: 1643287

Ion Ratio Lower Upper

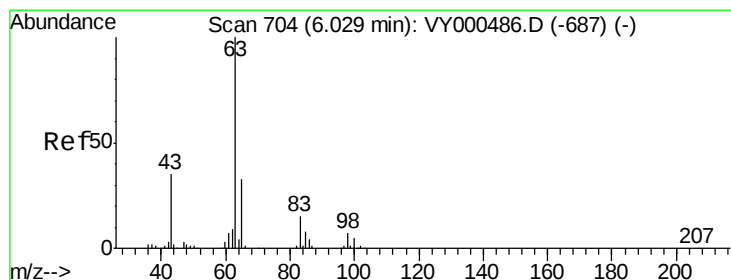
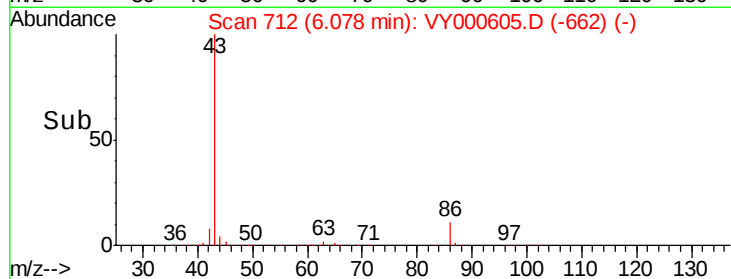
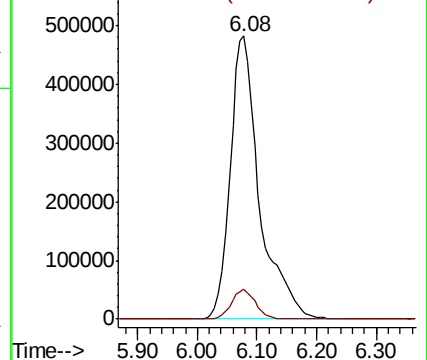
43 100

86 10.5 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 55.297 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

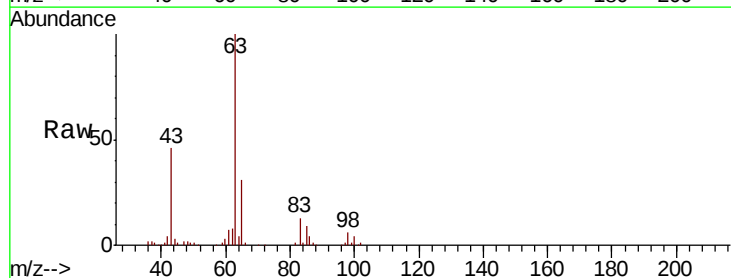
Tgt Ion: 63 Resp: 283772

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.6

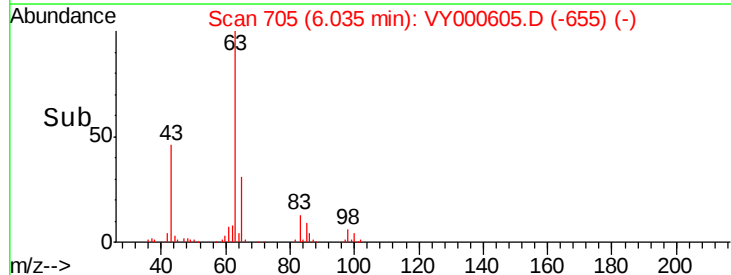
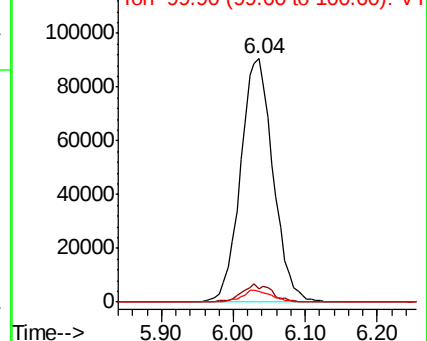
100 4.4 2.4 7.1

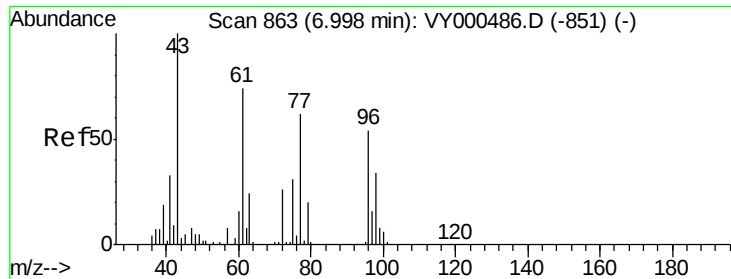


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 265.269 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

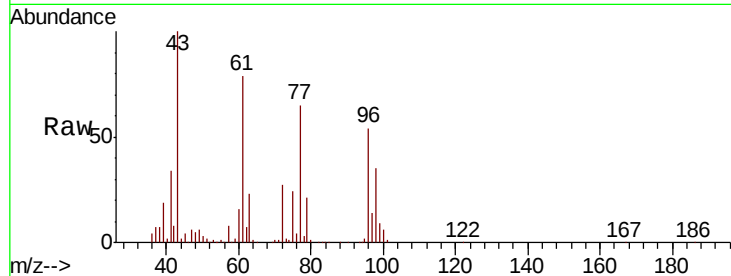
VSTDCCC050

Tot Ion: 43 Resp: 323995

Ion Ratio Lower Upper

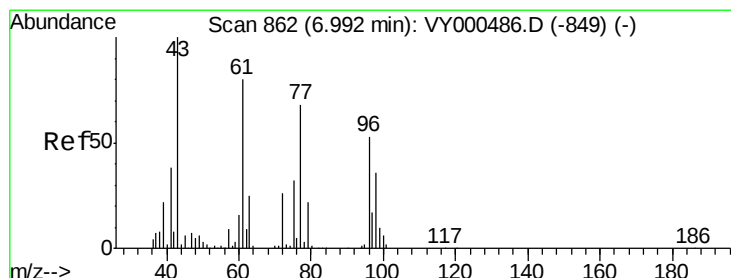
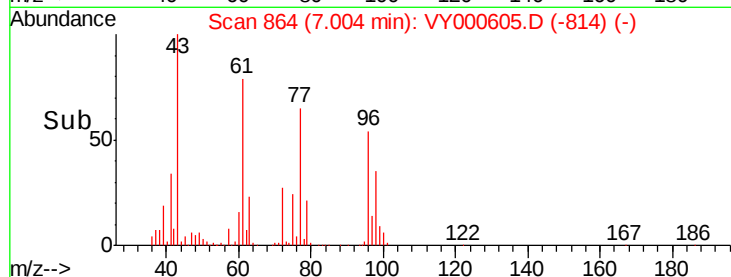
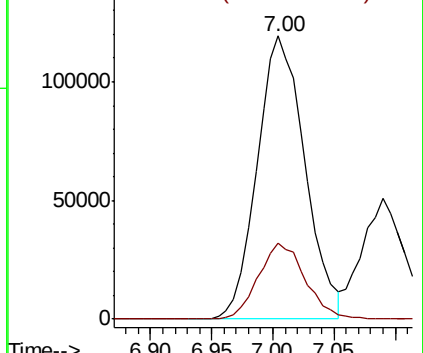
43 100

72 26.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 53.978 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000605.D

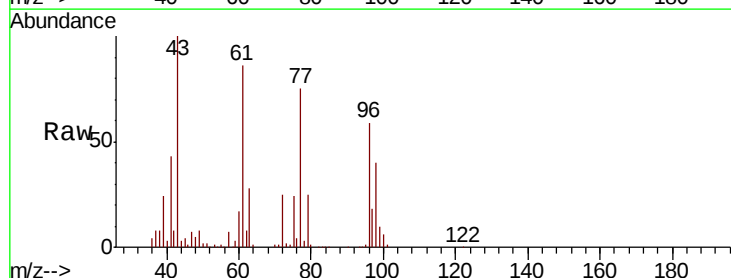
Acq: 08 Nov 2019 10:21

Tgt Ion: 77 Resp: 253142

Ion Ratio Lower Upper

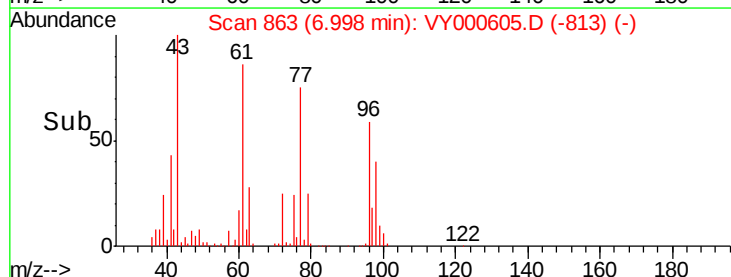
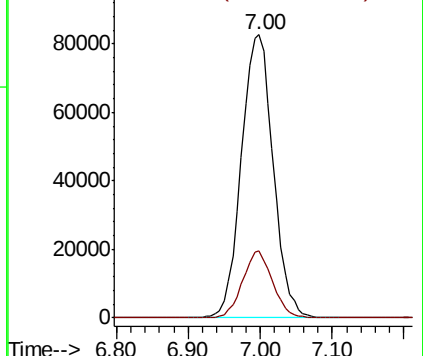
77 100

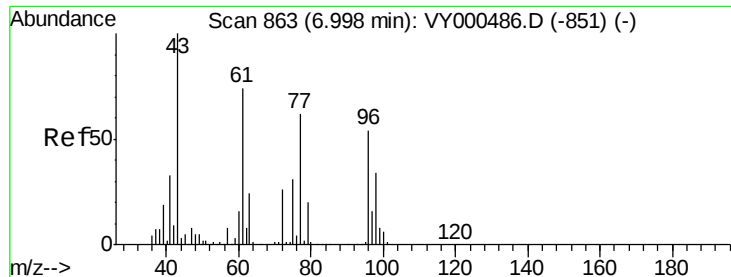
97 22.2 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



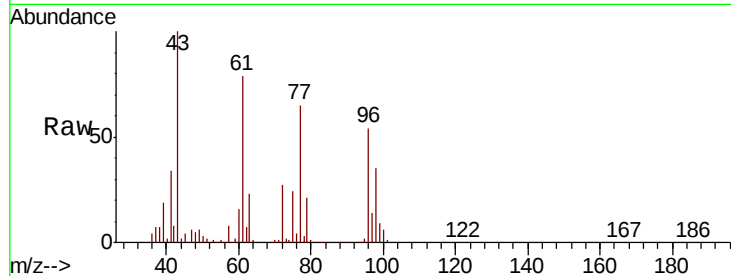


#27

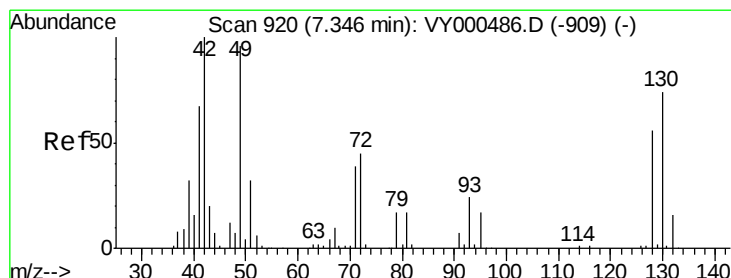
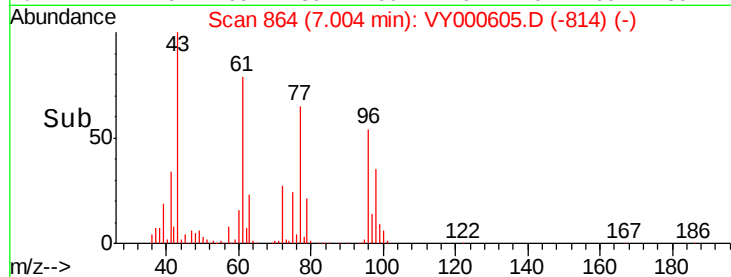
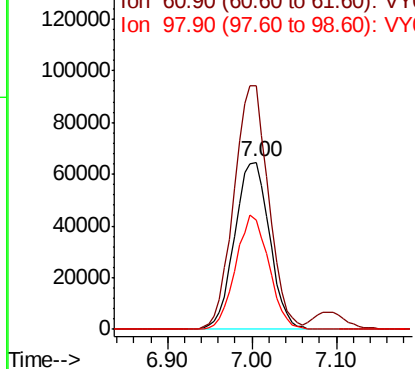
cis-1,2-Dichloroethene
Concen: 54.585 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 180854
Ion Ratio Lower Upper
96 100
61 144.4 0.0 287.0
98 65.2 0.0 129.4



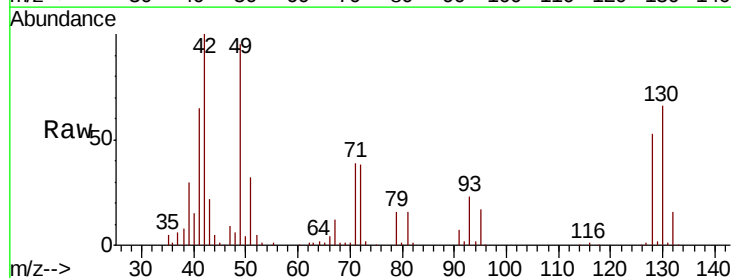
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



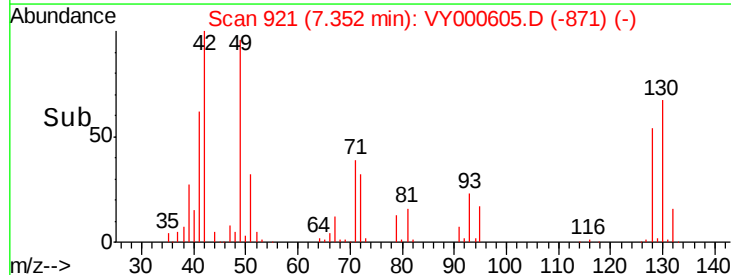
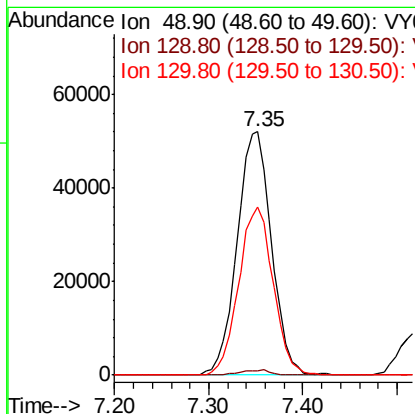
#28

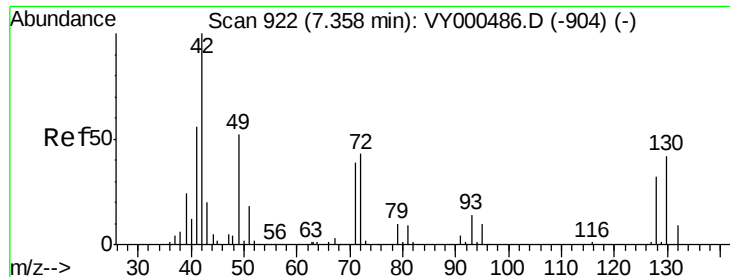
Bromochloromethane
Concen: 56.112 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 49 Resp: 132600
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 69.2 59.4 89.0



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

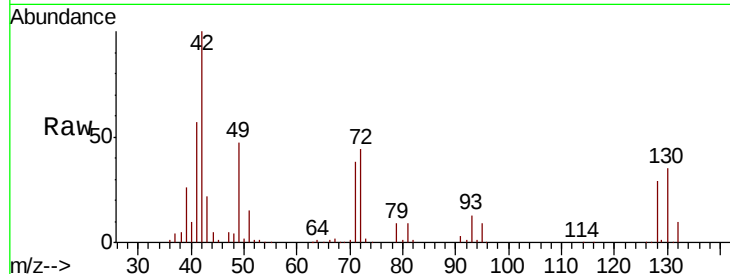




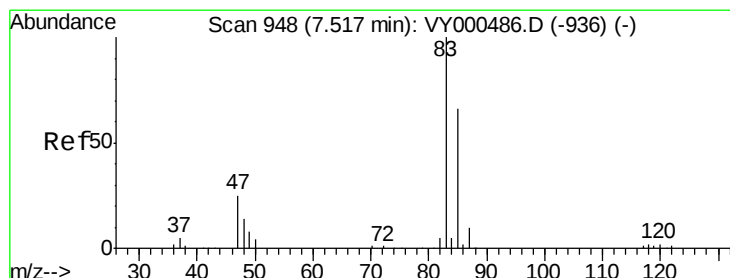
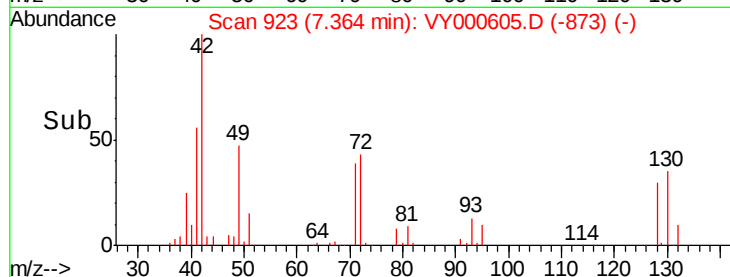
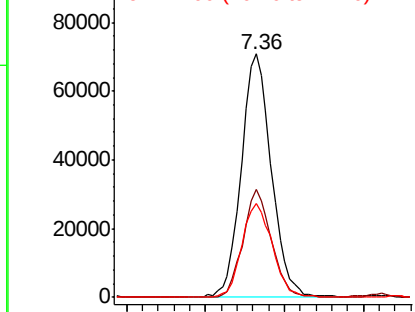
#29
Tetrahydrofuran
Concen: 251.595 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 187991
Ion Ratio Lower Upper
42 100
72 41.6 34.0 51.0
71 38.8 30.8 46.2

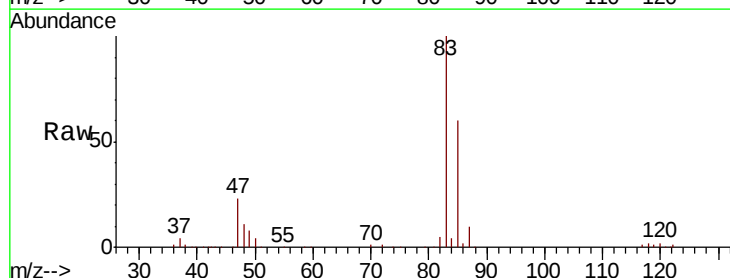


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

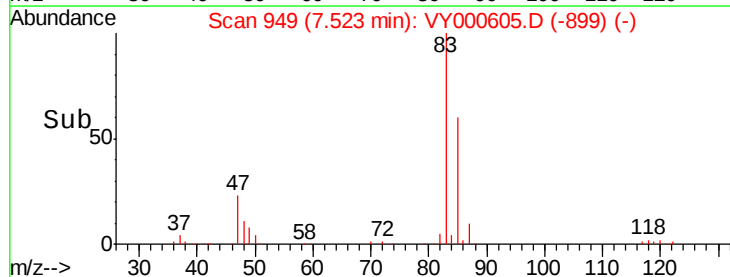
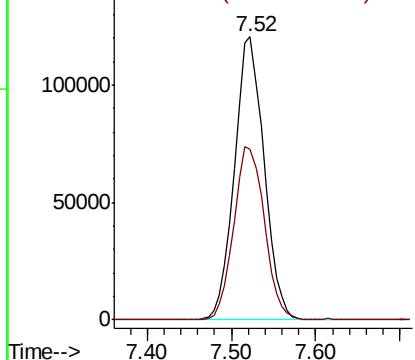


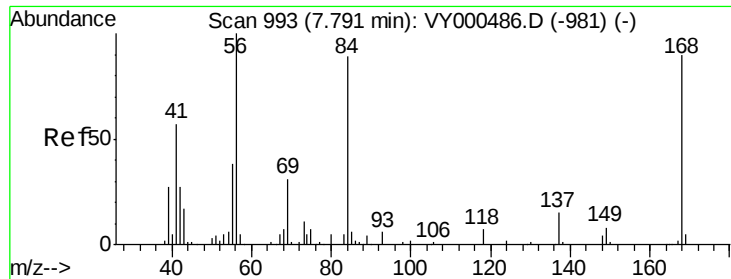
#30
Chloroform
Concen: 55.120 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 83 Resp: 286146
Ion Ratio Lower Upper
83 100
85 60.5 53.0 79.4



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

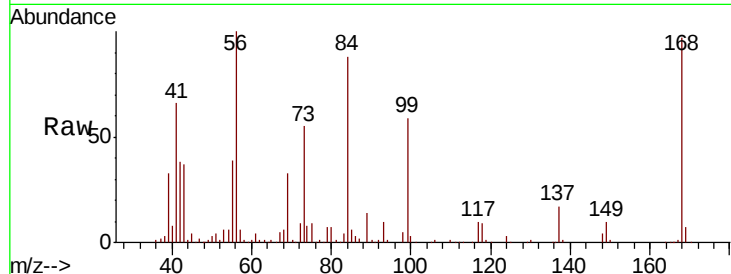




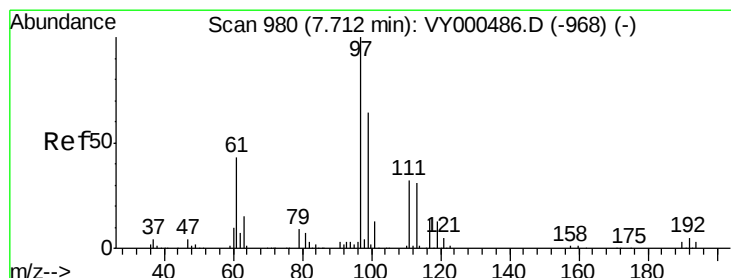
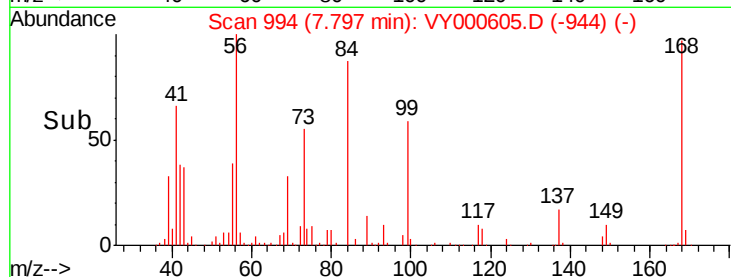
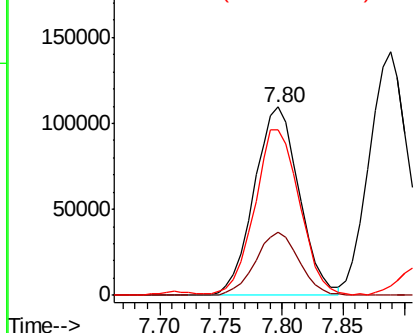
#31
Cyclohexane
Concen: 52.072 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 279885
Ion Ratio Lower Upper
56 100
69 33.3 25.0 37.6
84 86.5 71.4 107.2

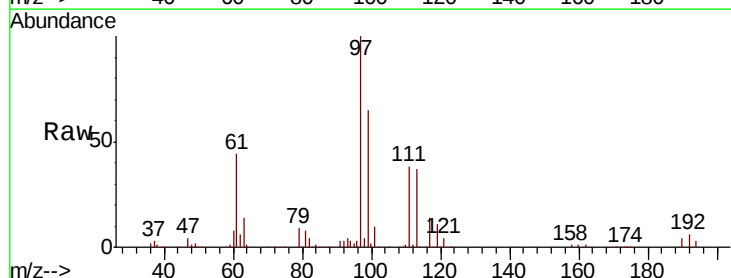


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

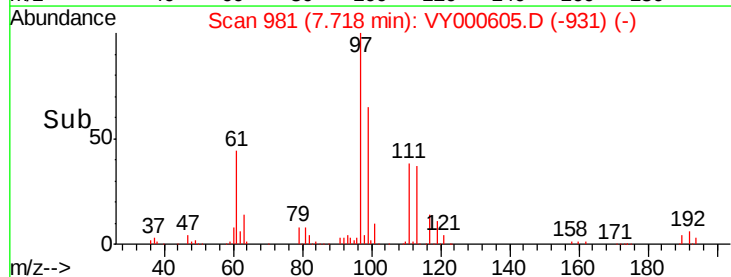
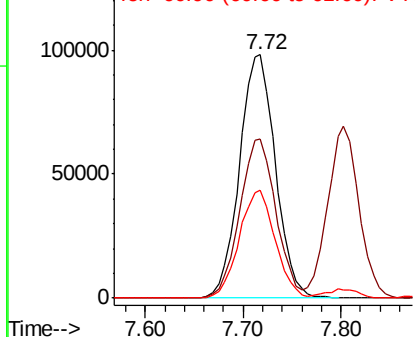


#32
1,1,1-Trichloroethane
Concen: 53.903 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 97 Resp: 249390
Ion Ratio Lower Upper
97 100
99 65.6 50.9 76.3
61 44.4 34.9 52.3



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: 55.792 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

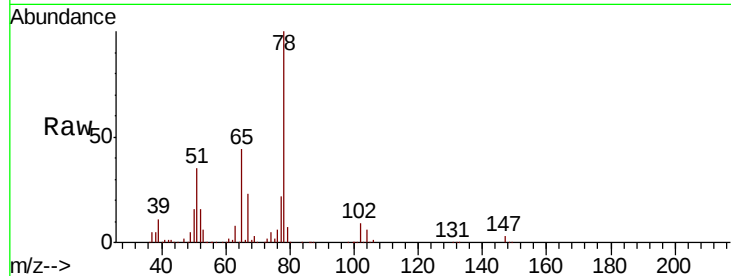
VSTDCCC050

Tot Ion: 65 Resp: 154922

Ion Ratio Lower Upper

65 100

67 54.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

80000

60000

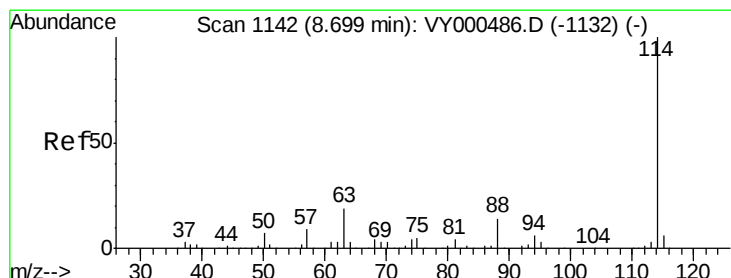
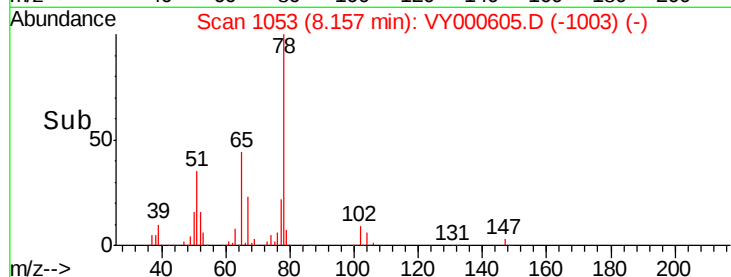
40000

20000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

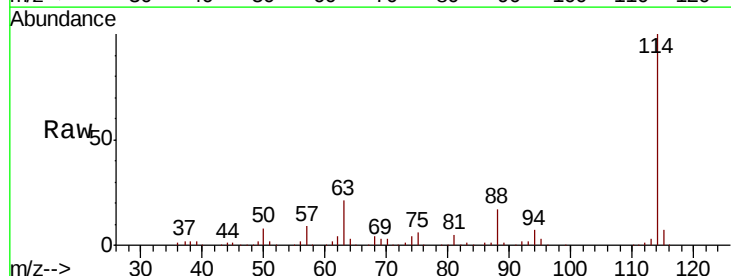
Tgt Ion: 114 Resp: 445019

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

88 17.0 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

300000

250000

200000

150000

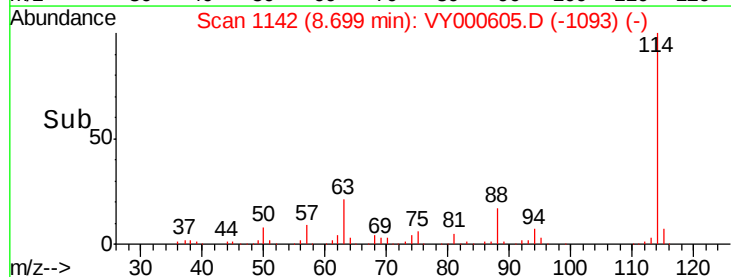
100000

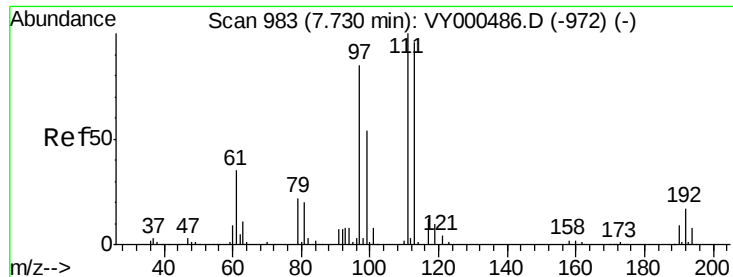
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->

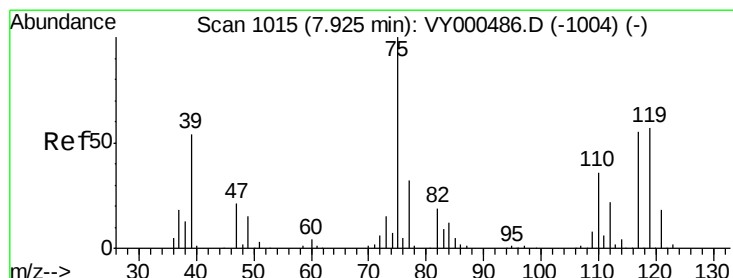
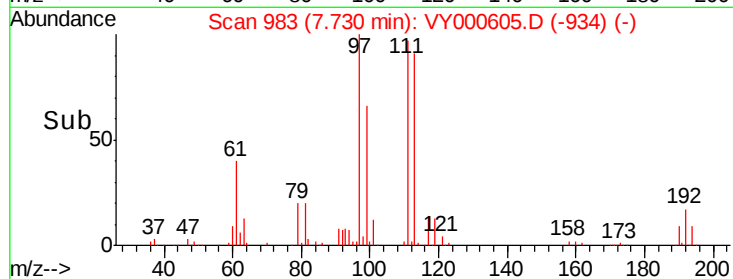
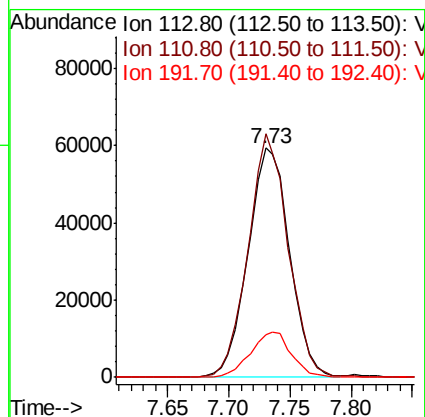
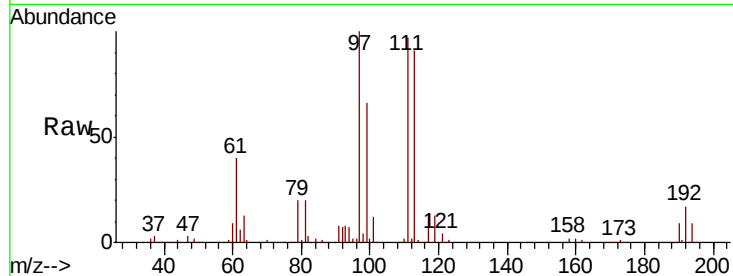




#35
 Dibromofluoromethane
 Concen: 53.859 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

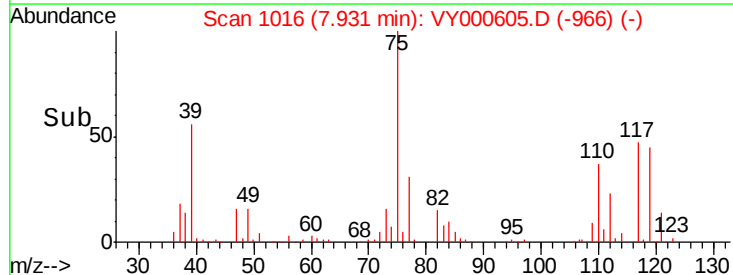
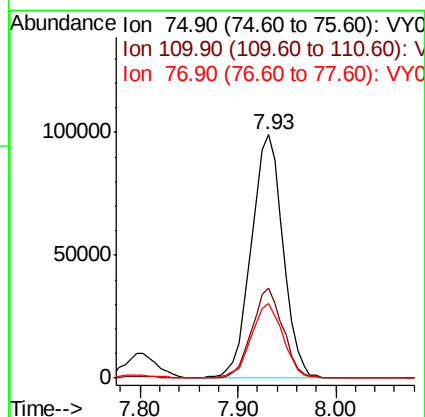
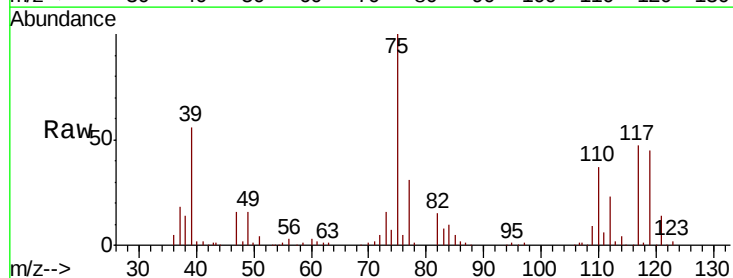
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

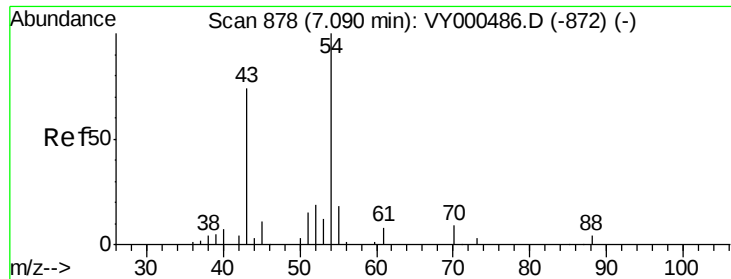
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	19.4	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 53.452 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.1
77	30.9	25.0	37.6

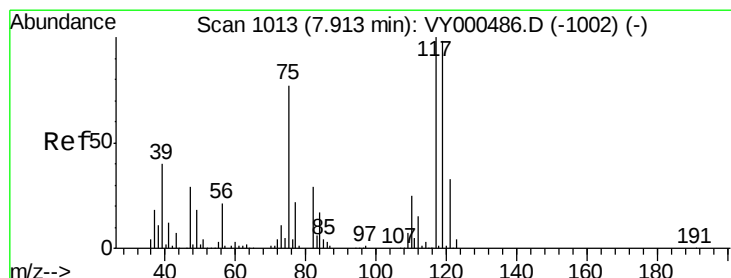
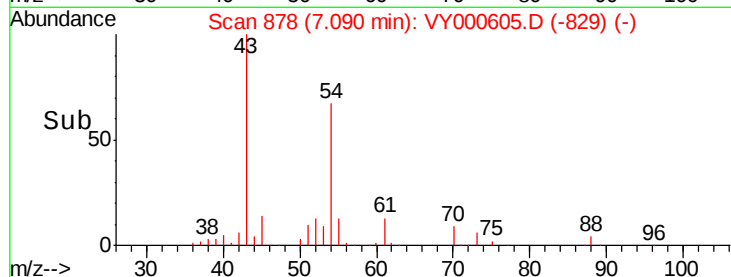
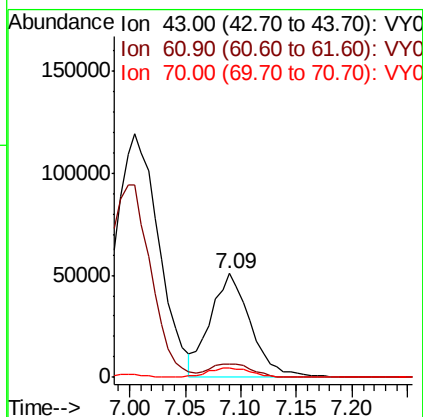
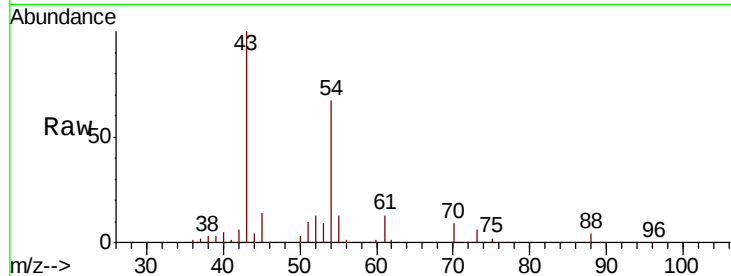




#37
Ethyl Acetate
Concen: 51.096 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

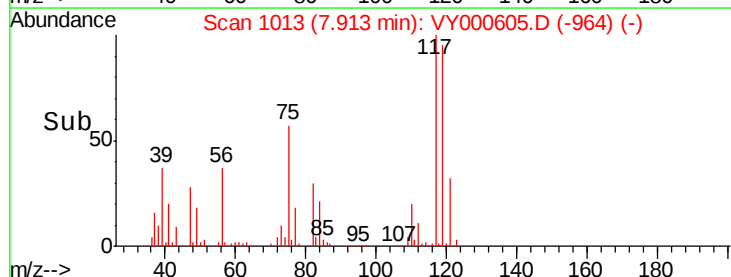
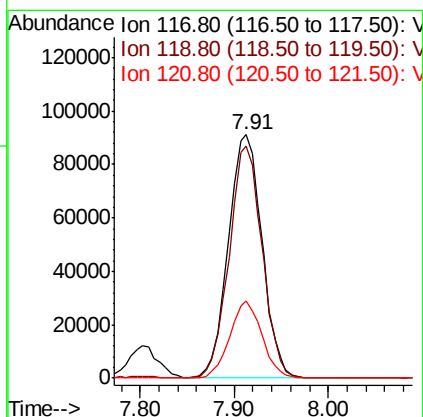
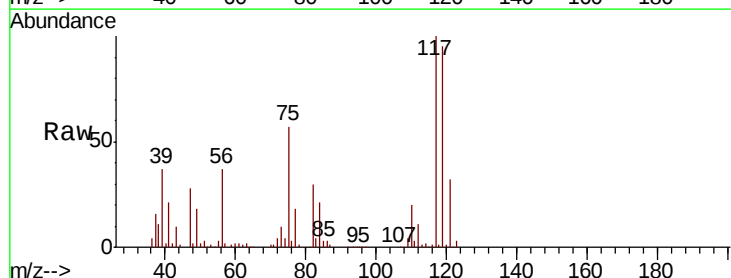
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 127623
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.2
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 55.701 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 117 Resp: 225481
Ion Ratio Lower Upper
117 100
119 95.4 78.0 117.0
121 31.5 26.6 40.0

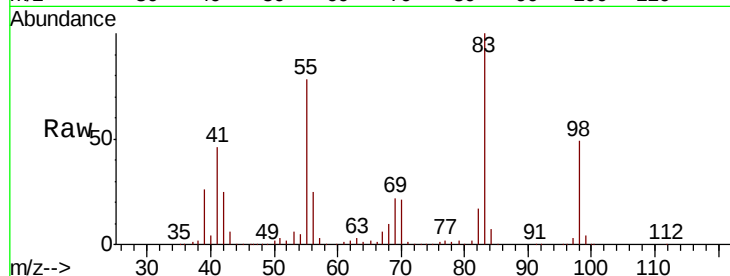




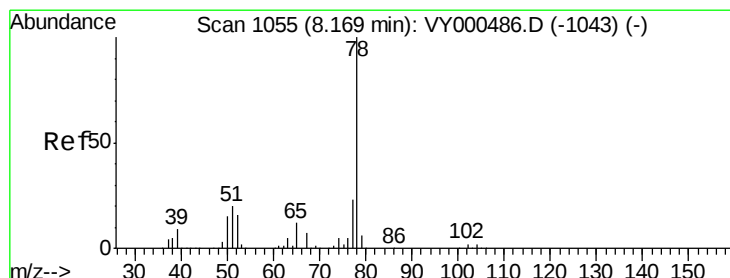
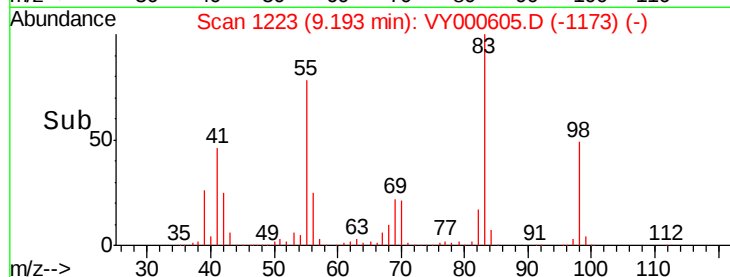
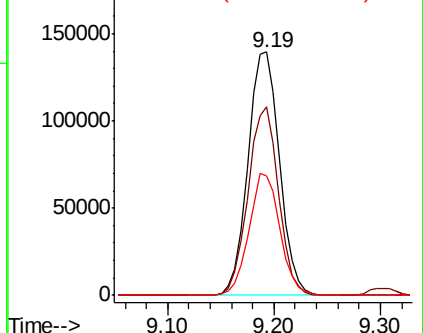
#39
Methvlcvclohexane
Concen: 53.435 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 290427
Ion Ratio Lower Upper
83 100
55 77.6 57.5 86.3
98 49.2 38.0 57.0

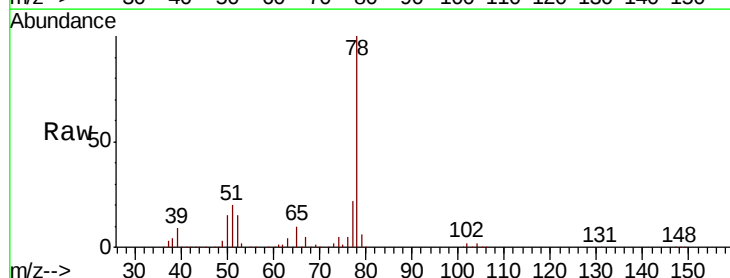


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

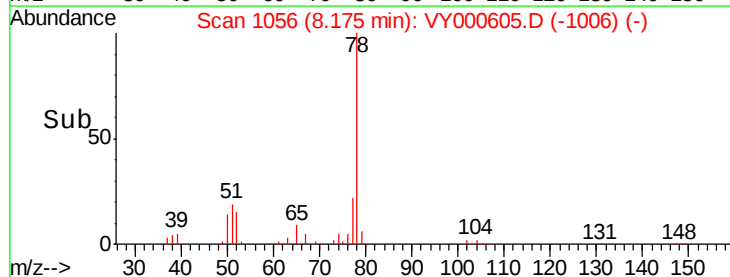
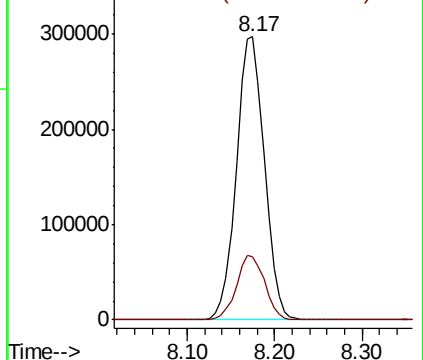


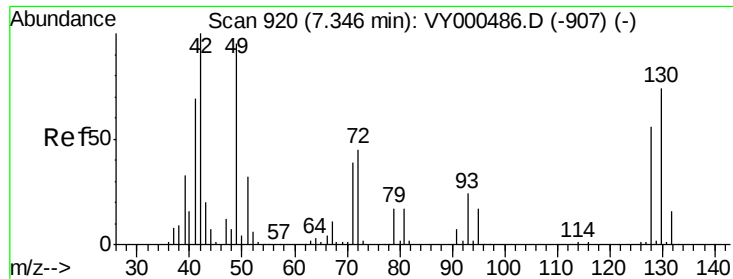
#40
Benzene
Concen: 53.733 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 78 Resp: 662736
Ion Ratio Lower Upper
78 100
77 22.4 18.6 28.0



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

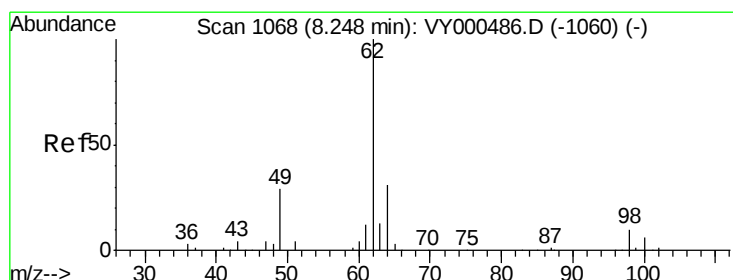
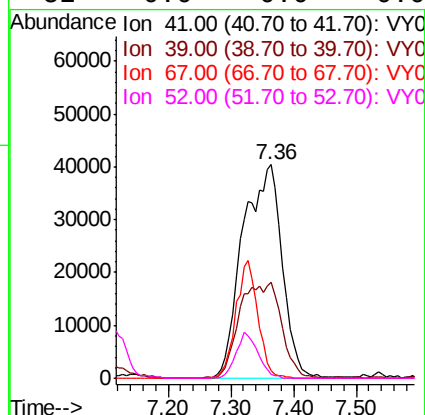
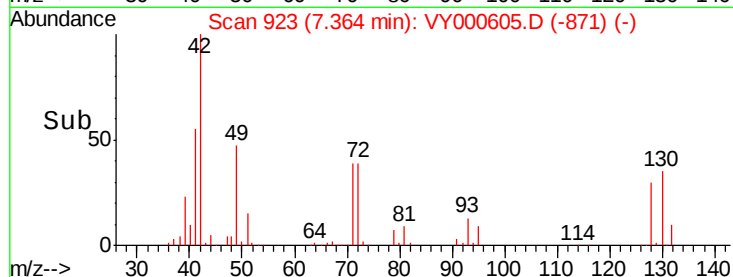
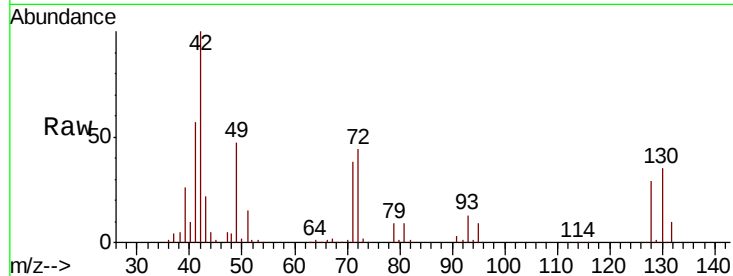




#41
Methacrylonitrile
Concen: 125.646 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

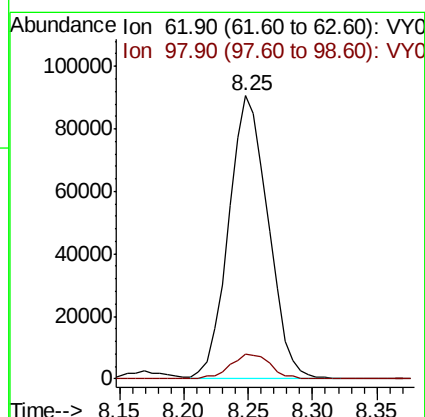
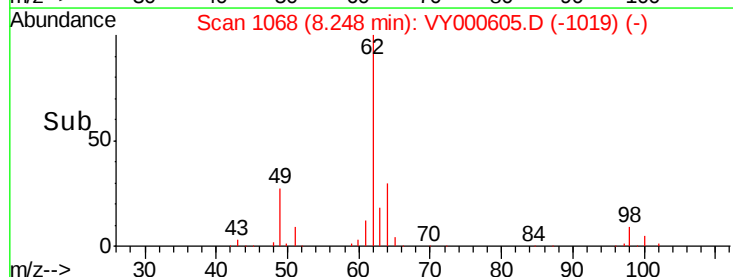
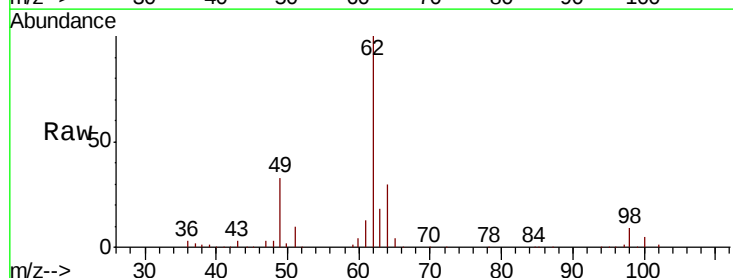
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

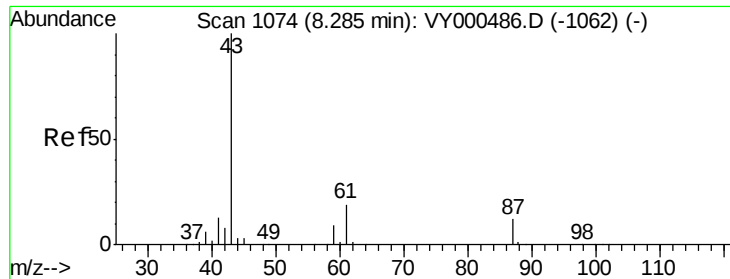
Tot Ion: 41 Resp: 175072
Ion Ratio Lower Upper
41 100
39 47.6 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 55.309 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 62 Resp: 193482
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.2





#43

Isopropyl Acetate

Concen: 54.740 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

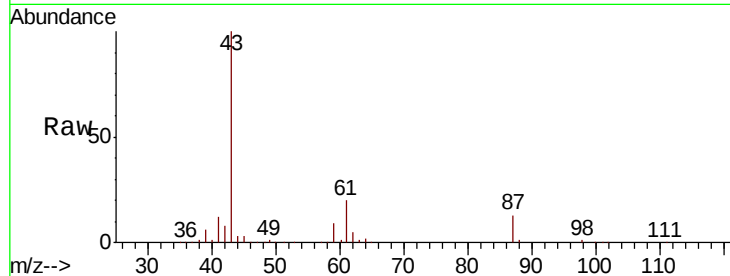
Tot Ion: 43 Resp: 256837

Ion Ratio Lower Upper

43 100

61 28.2 23.0 34.4

87 12.8 10.5 15.7

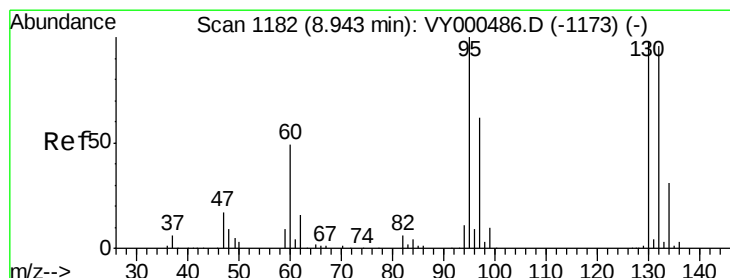
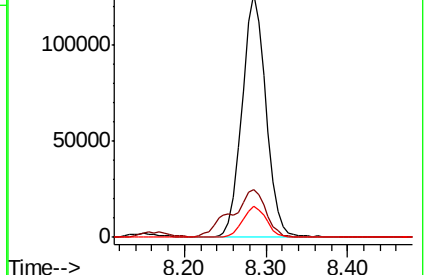
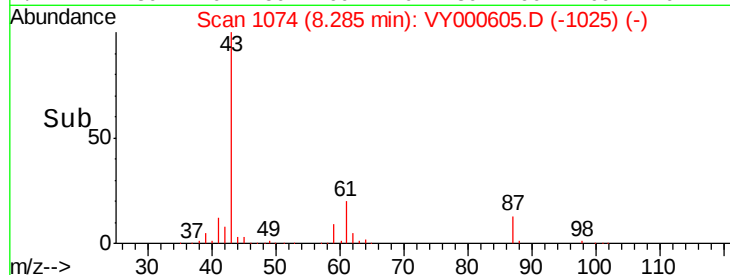


Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1062) (-)

Ion 61.00 (60.70 to 61.70): VY000486.D (-1062) (-)

Ion 87.00 (86.70 to 87.70): VY000486.D (-1062) (-)

8.28



#44

Trichloroethene

Concen: 53.920 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VY000605.D

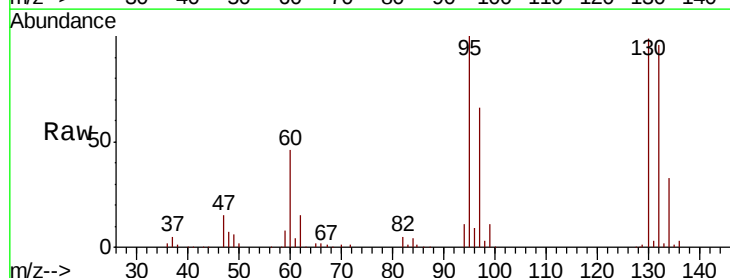
Acq: 08 Nov 2019 10:21

Tgt Ion: 130 Resp: 175347

Ion Ratio Lower Upper

130 100

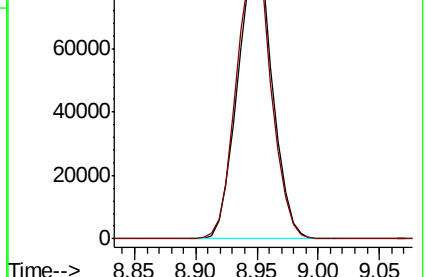
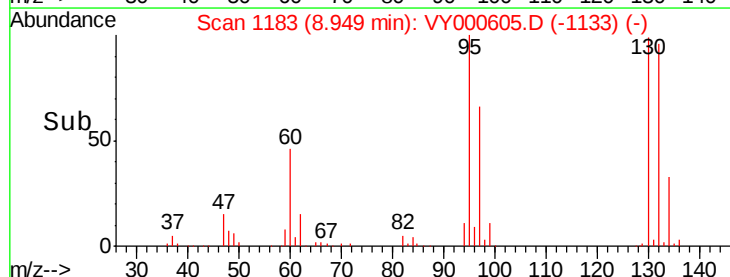
95 100.5 0.0 203.2

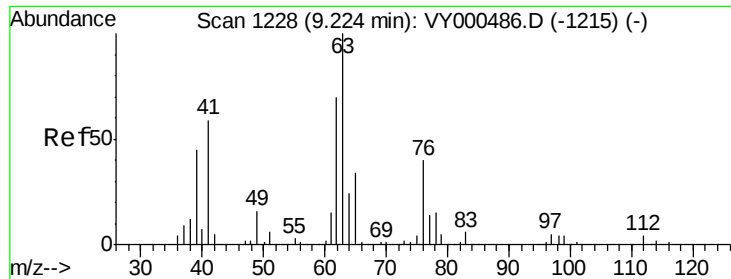


Abundance Ion 129.80 (129.50 to 130.50): VY000486.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY000486.D (-1173) (-)

8.95

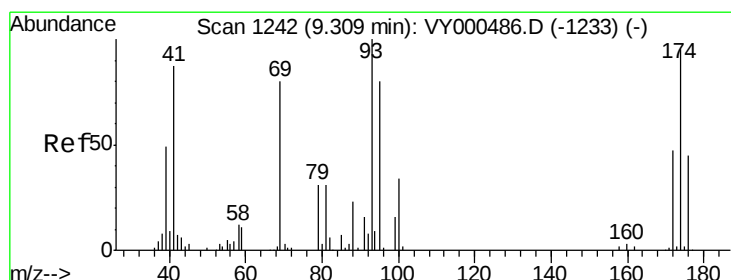
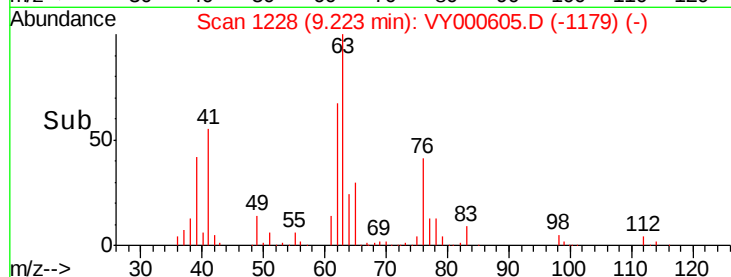
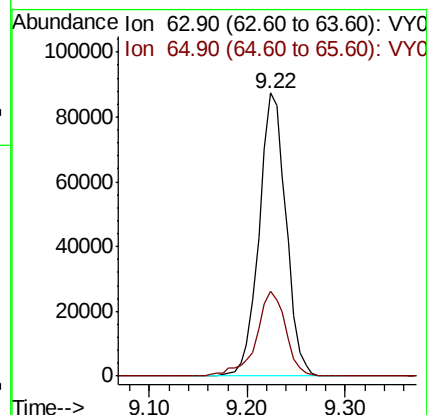
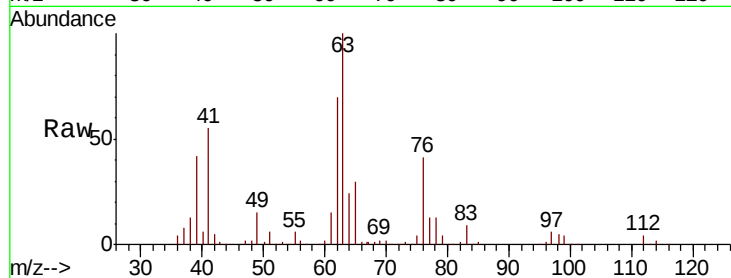




#45
 1,2-Dichloropropane
 Concen: 55.354 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

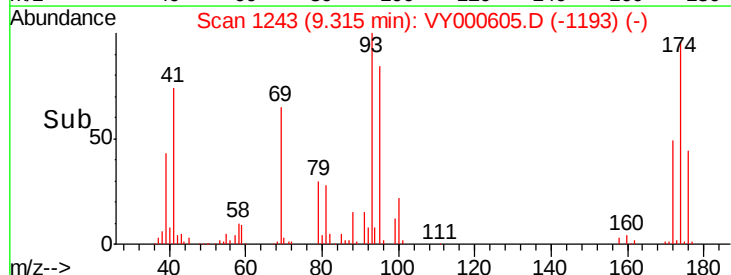
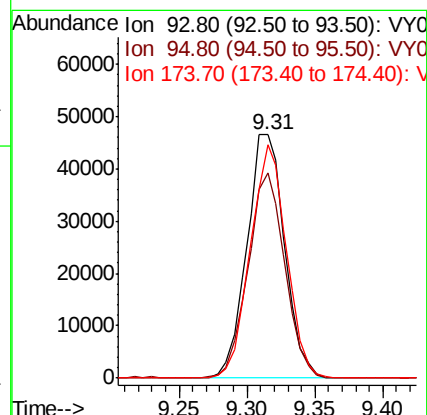
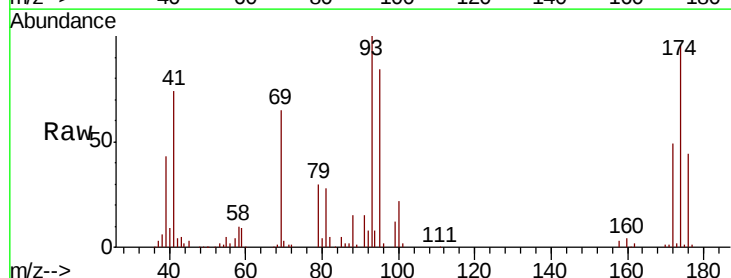
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

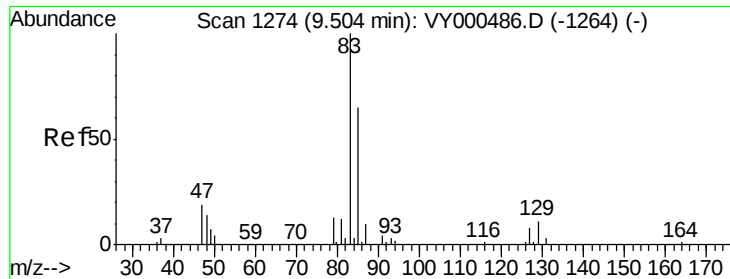
Tot Ion: 63 Resp: 168033
 Ion Ratio Lower Upper
 63 100
 65 30.2 27.0 40.4



#46
 Dibromomethane
 Concen: 54.343 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 93 Resp: 90724
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.4 99.6
 174 91.5 77.1 115.7





#47

Bromodichloromethane

Concen: 55.911 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

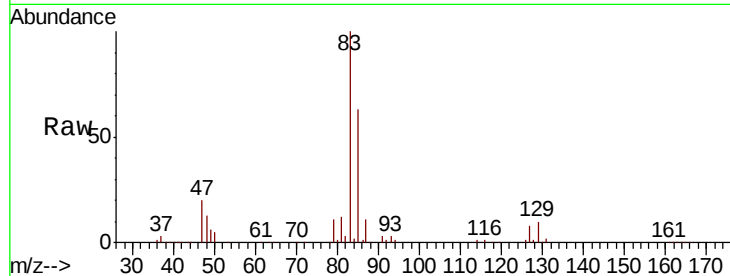
Tot Ion: 83 Resp: 221480

Ion Ratio Lower Upper

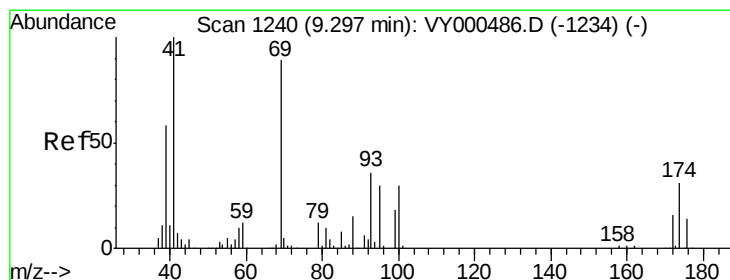
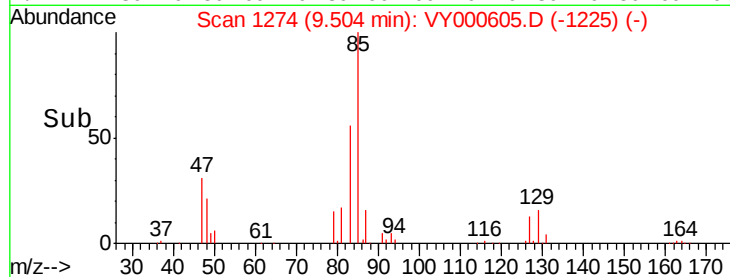
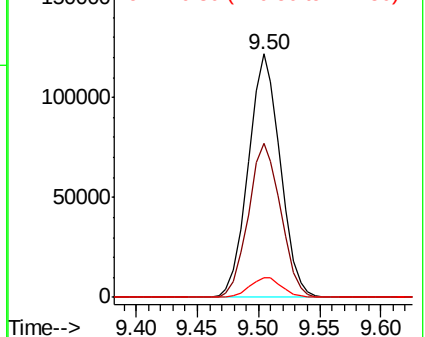
83 100

85 63.1 51.8 77.8

127 8.2 6.7 10.1



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: 56.161 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

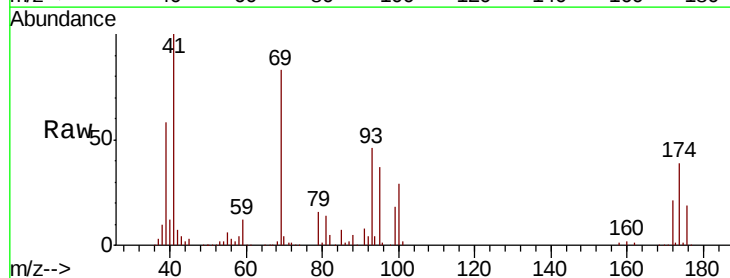
Tgt Ion: 41 Resp: 115131

Ion Ratio Lower Upper

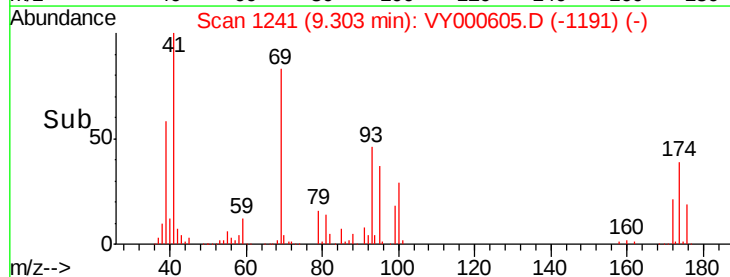
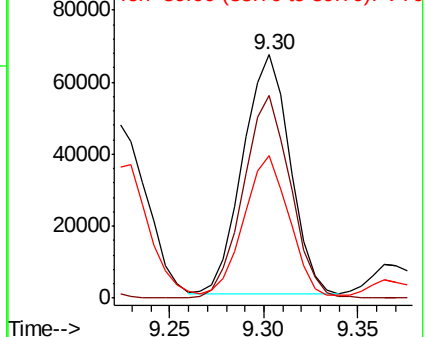
41 100

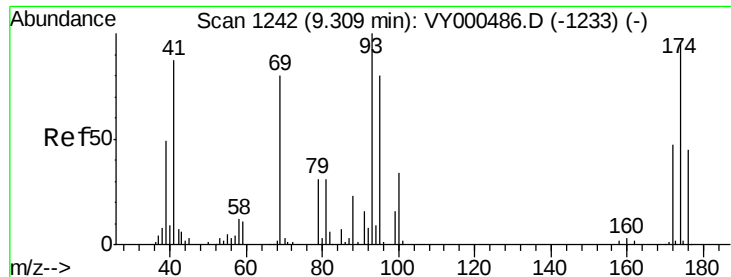
69 84.7 72.5 108.7

39 58.1 47.8 71.8



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: 929.342 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

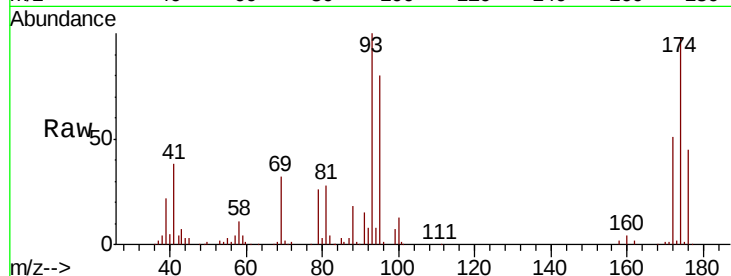
Tot Ion: 88 Resp: 20881

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

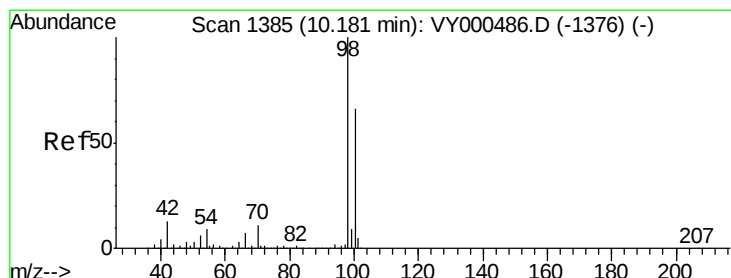
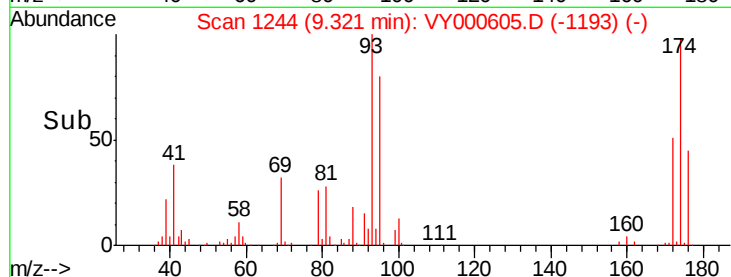
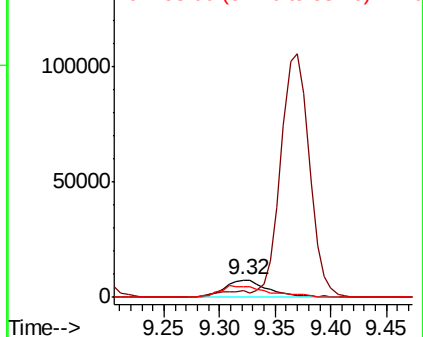
58 78.9 50.6 75.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 58.181 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000605.D

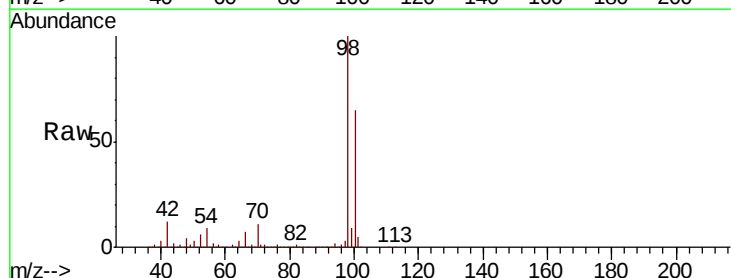
Acq: 08 Nov 2019 10:21

Tgt Ion: 98 Resp: 576764

Ion Ratio Lower Upper

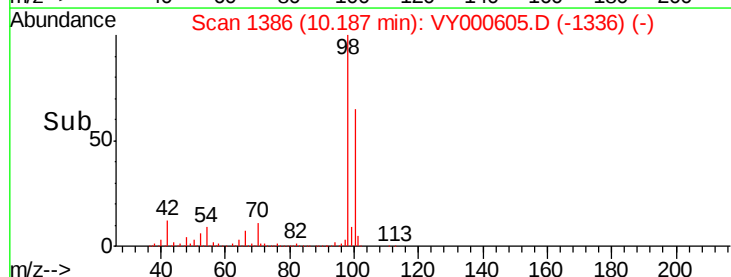
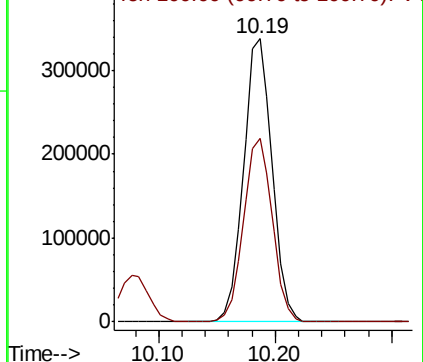
98 100

100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 274.135 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

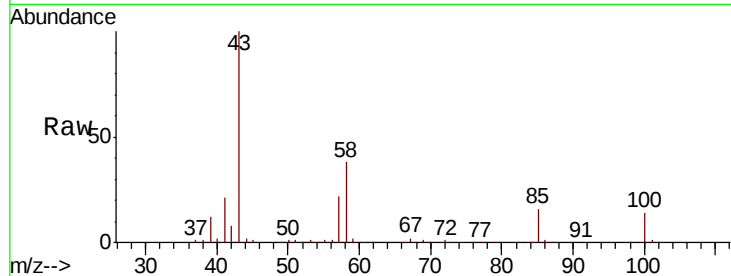
VSTDCCC050

Tot Ion: 43 Resp: 683857

Ion Ratio Lower Upper

43 100

58 38.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1359) (-)

10.08

400000

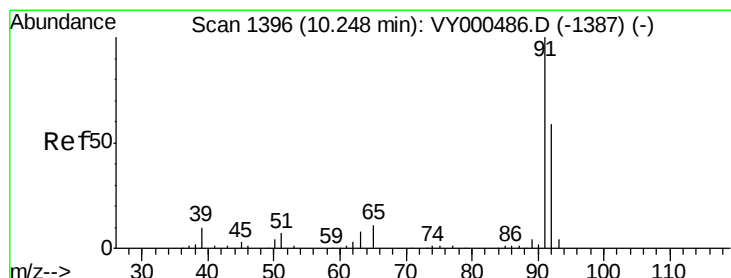
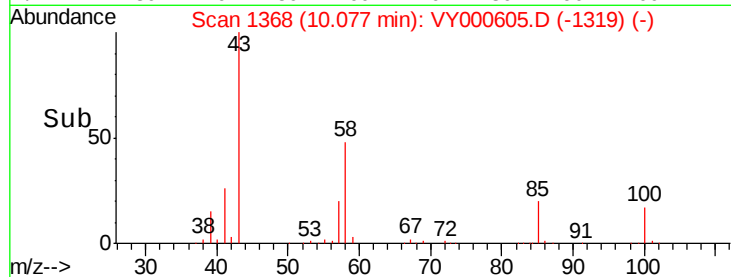
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.781 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000605.D

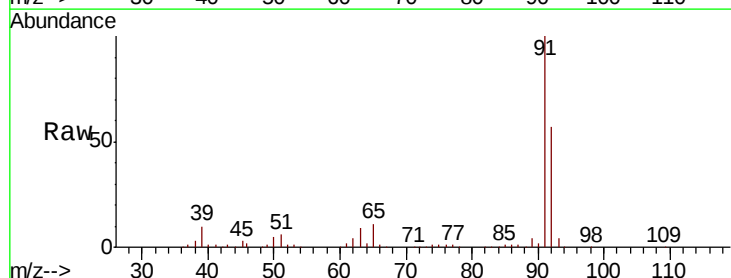
Acq: 08 Nov 2019 10:21

Tgt Ion: 92 Resp: 427177

Ion Ratio Lower Upper

92 100

91 171.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY000486.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY000486.D (-1387) (-)

10.25

500000

400000

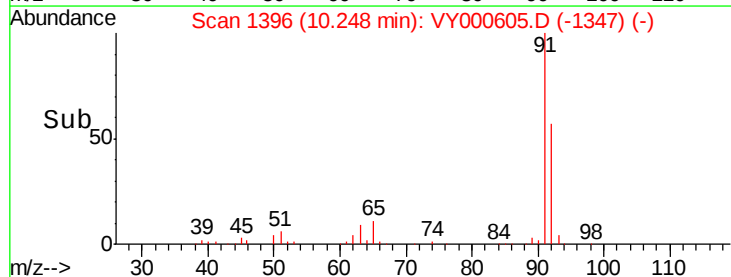
300000

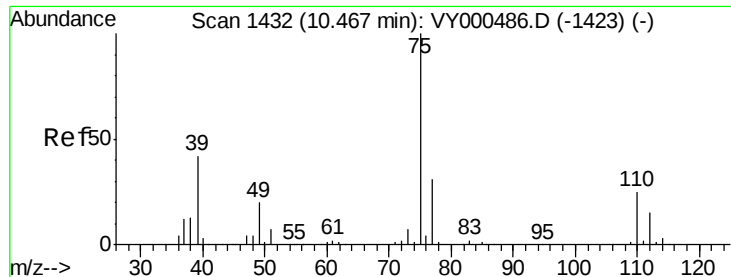
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.437 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

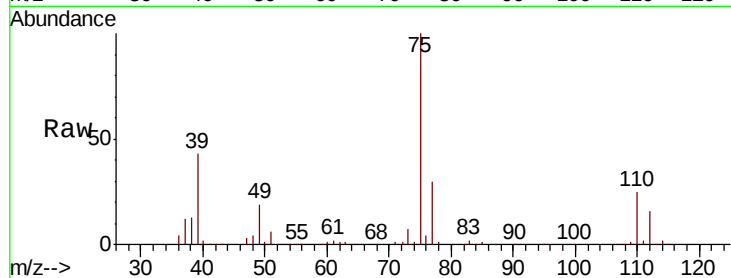
VSTDCCC050

Tot Ion: 75 Resp: 243109

Ion Ratio Lower Upper

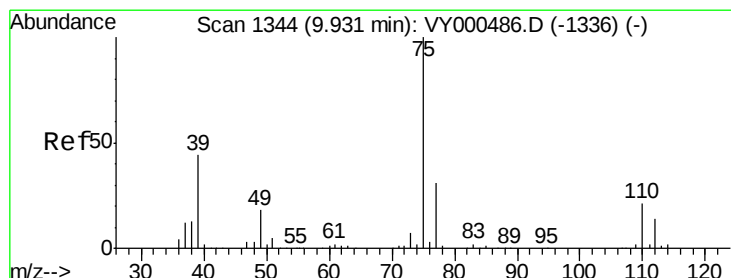
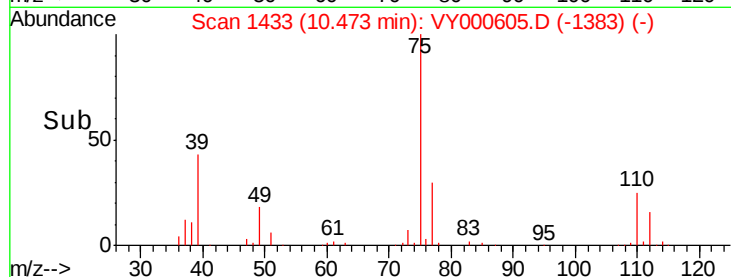
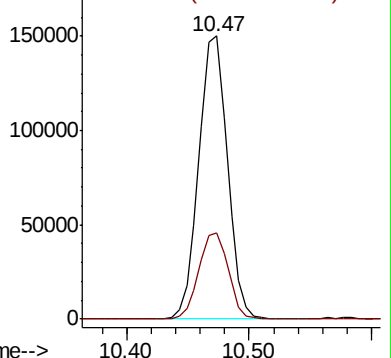
75 100

77 30.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 55.579 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

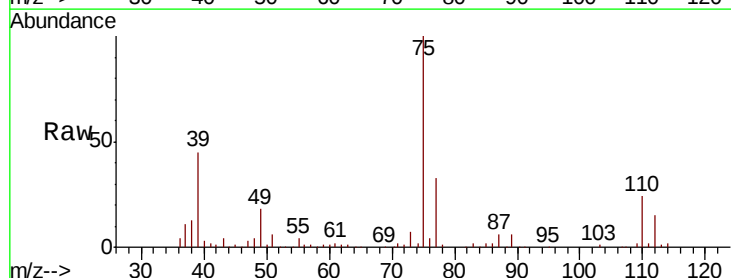
Tgt Ion: 75 Resp: 269501

Ion Ratio Lower Upper

75 100

77 33.2 24.5 36.7

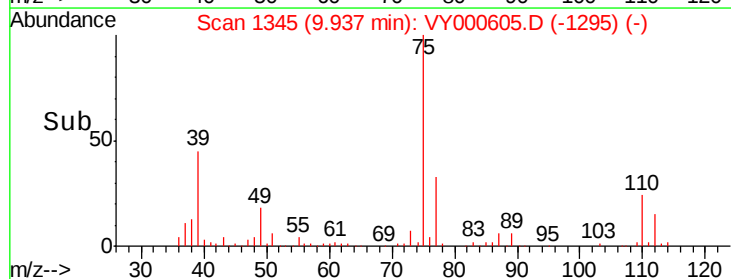
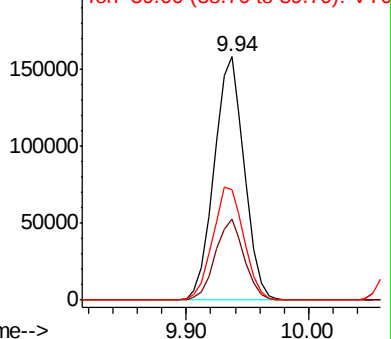
39 45.1 35.4 53.2

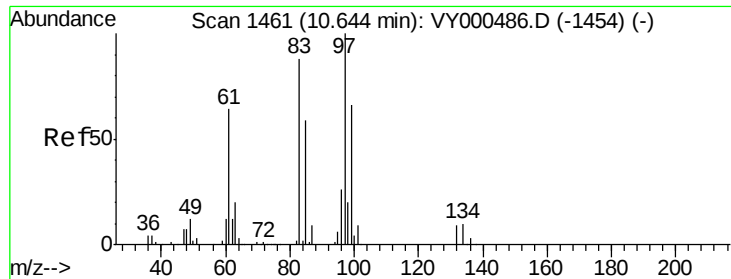


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

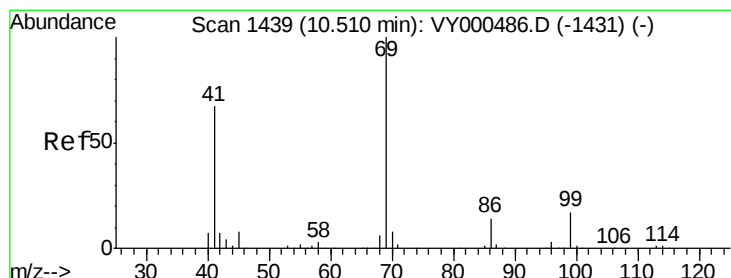
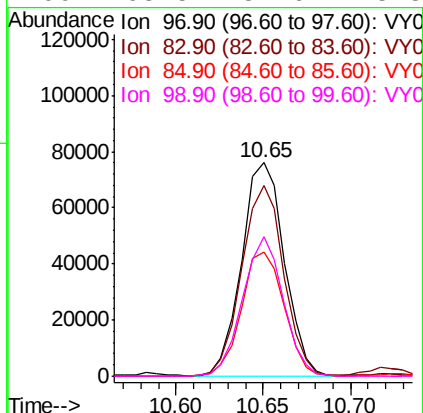
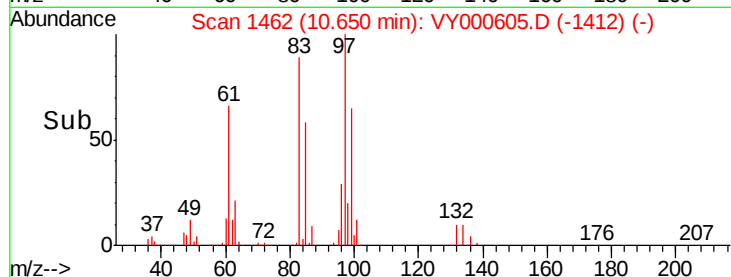
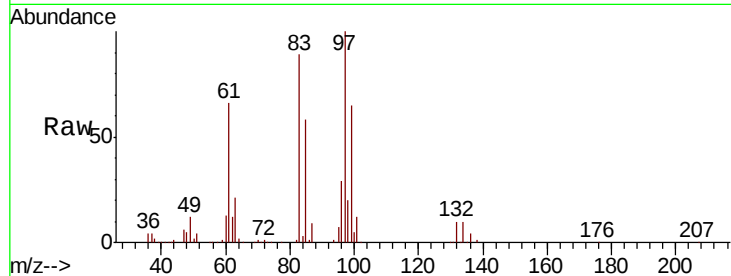




#55
 1,1,2-Trichloroethane
 Concen: 53.304 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

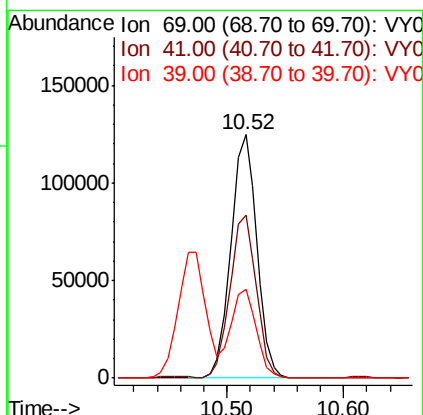
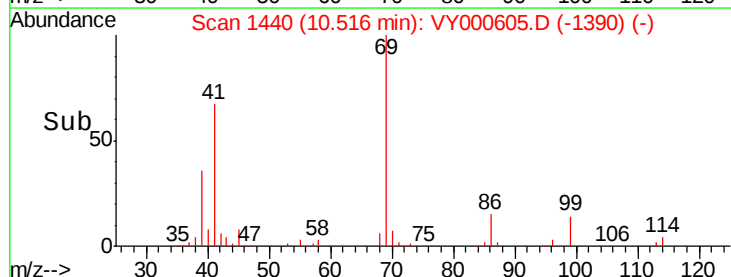
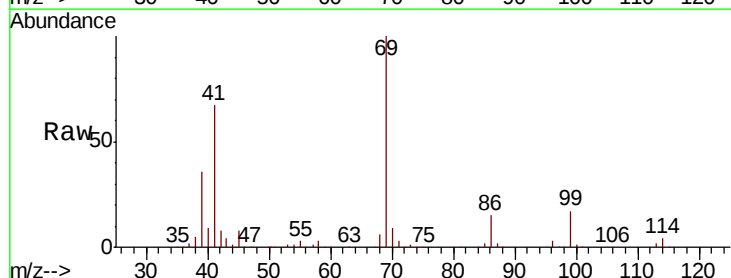
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

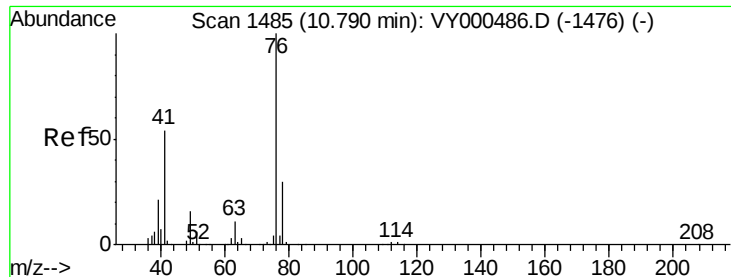
Tot Ion: 97 Resp: 128713
 Ion Ratio Lower Upper
 97 100
 83 89.6 70.2 105.4
 85 57.9 46.9 70.3
 99 65.5 52.6 78.8



#56
 Ethyl methacrylate
 Concen: 56.600 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 69 Resp: 193709
 Ion Ratio Lower Upper
 69 100
 41 67.5 53.3 79.9
 39 36.3 28.0 42.0

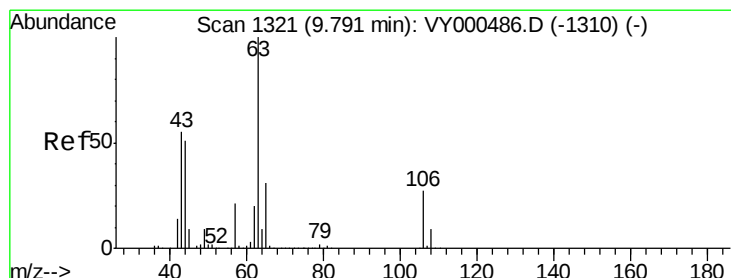
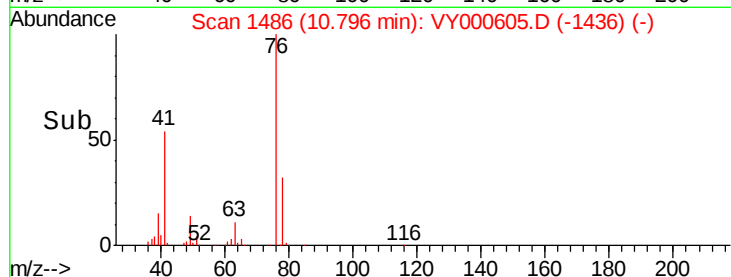
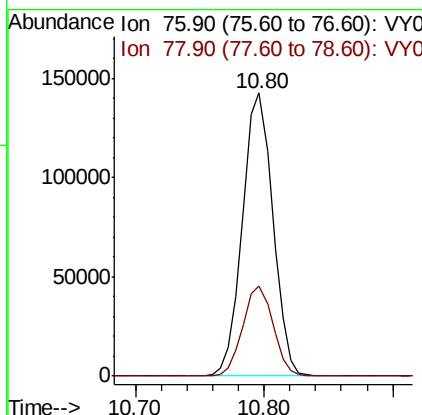
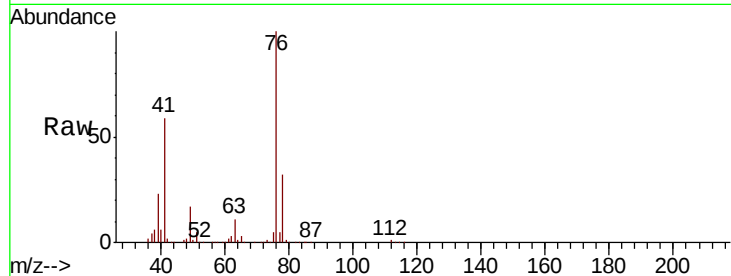




#57
 1,3-Dichloropropane
 Concen: 55.032 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

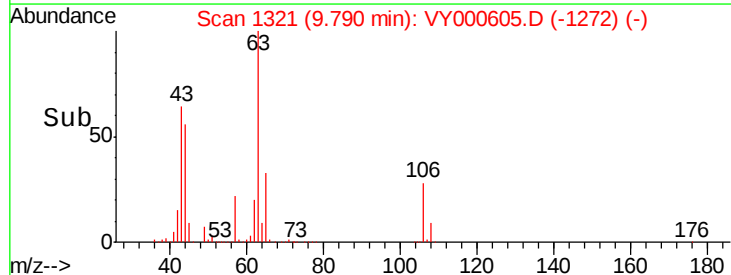
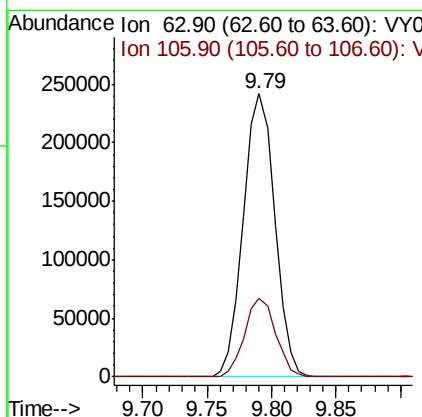
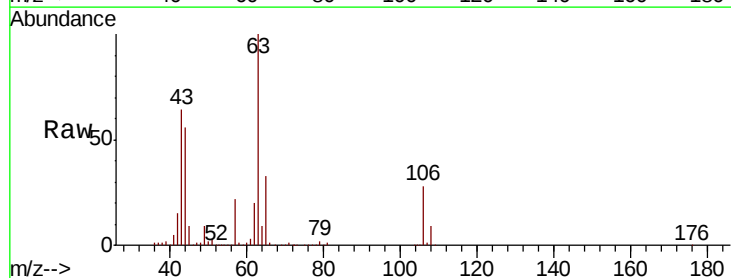
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 232578
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.532 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 63 Resp: 407747
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.6 33.8

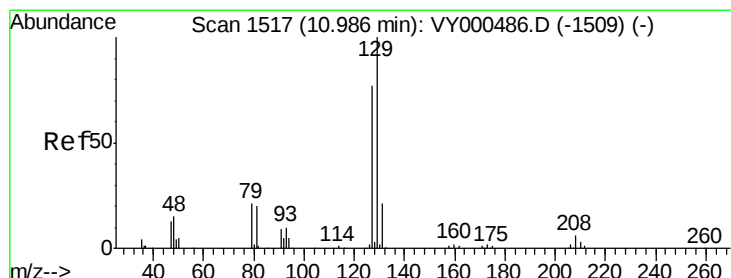
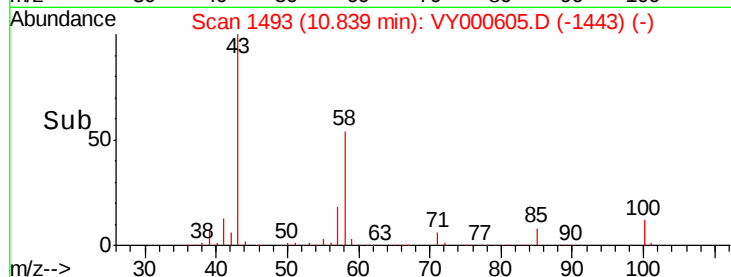
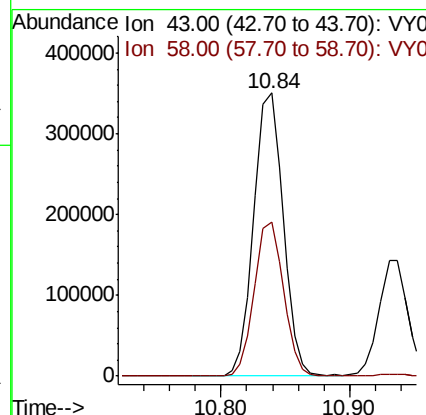
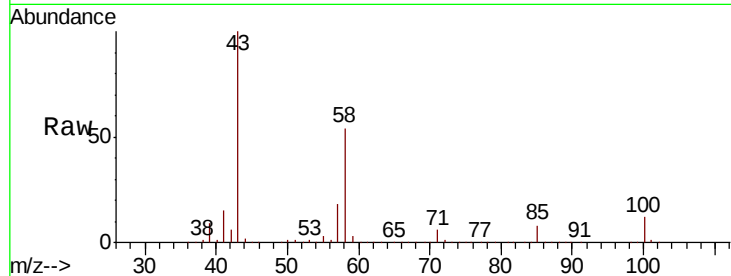




#59
2-Hexanone
Concen: 305.116 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

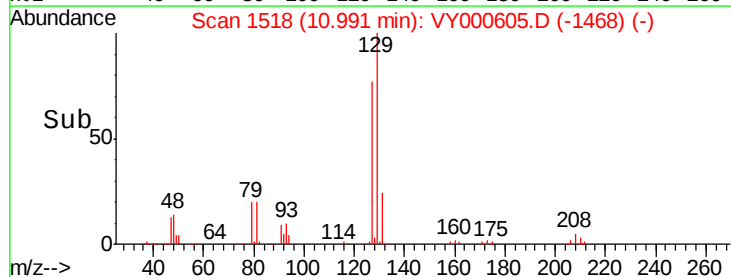
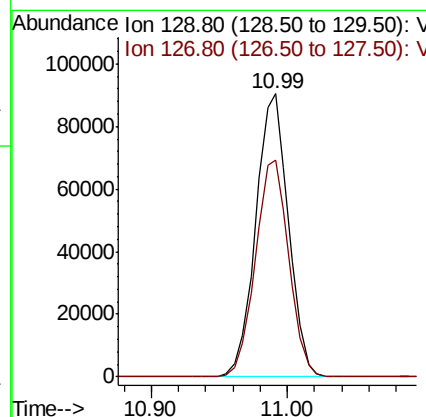
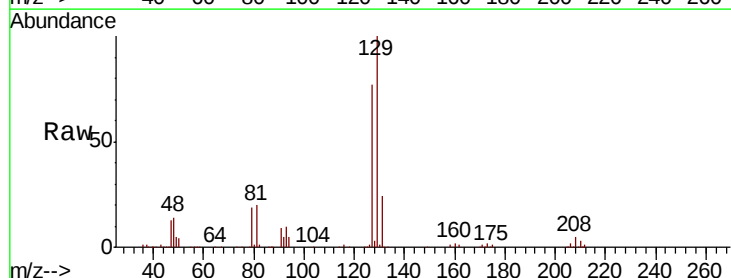
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

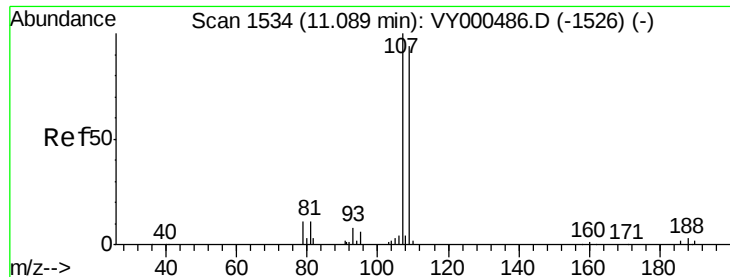
Tot Ion: 43 Resp: 554563
Ion Ratio Lower Upper
43 100
58 54.0 27.1 81.3



#60
Dibromochloromethane
Concen: 55.016 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 129 Resp: 152165
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2

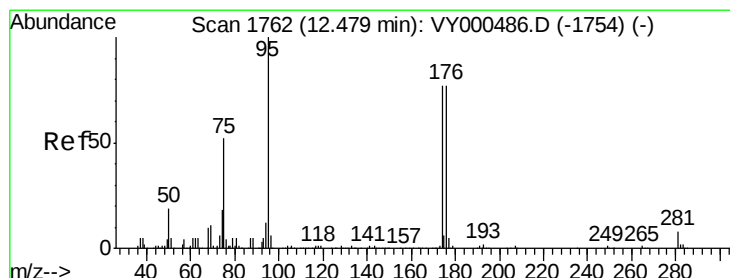
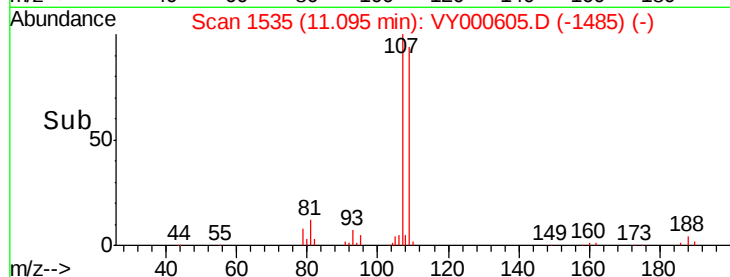
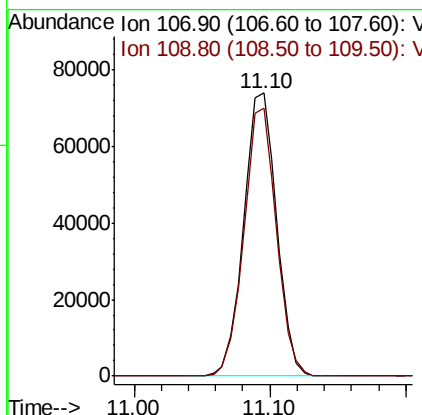
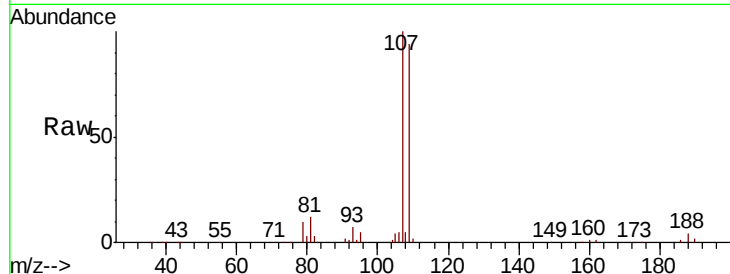




#61
 1,2-Dibromoethane
 Concen: 53.843 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

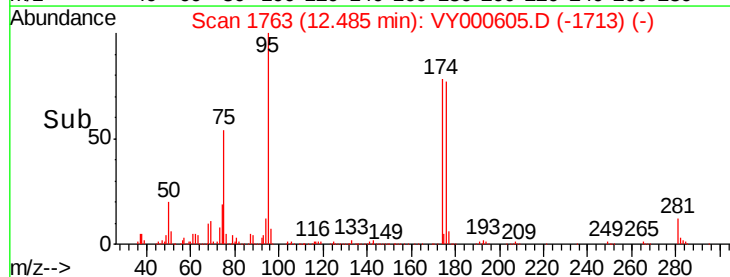
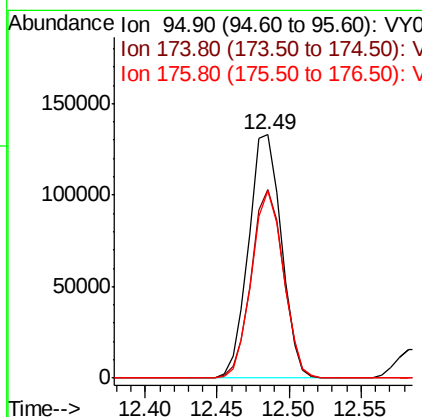
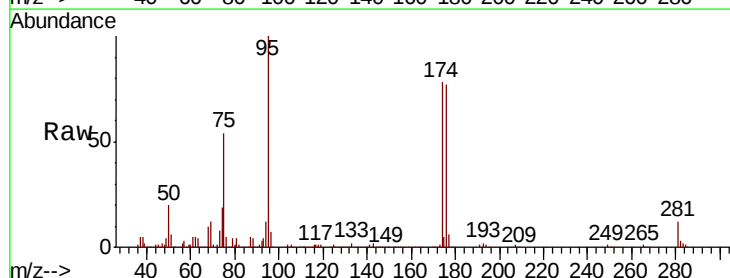
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 125009
 Ion Ratio Lower Upper
 107 100
 109 93.6 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 55.533 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 95 Resp: 209578
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 161.6
 176 74.6 0.0 157.8

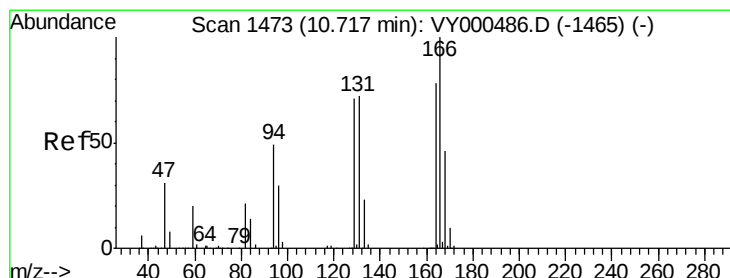
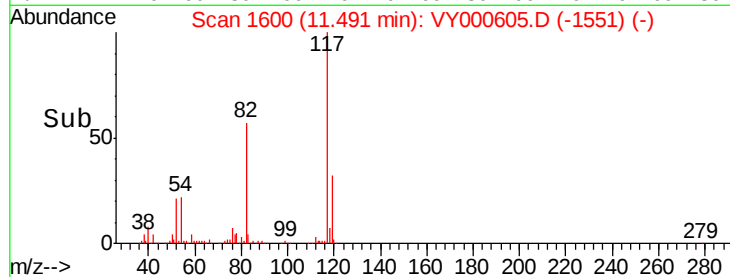
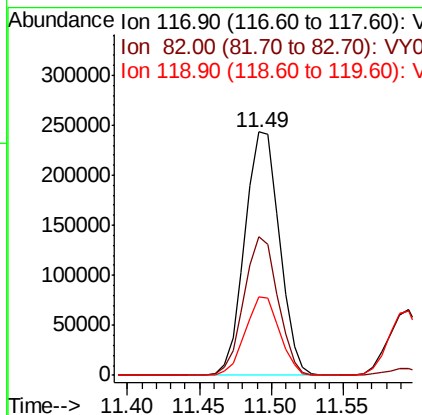
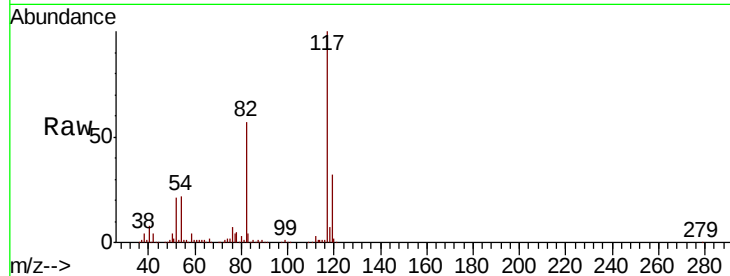




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

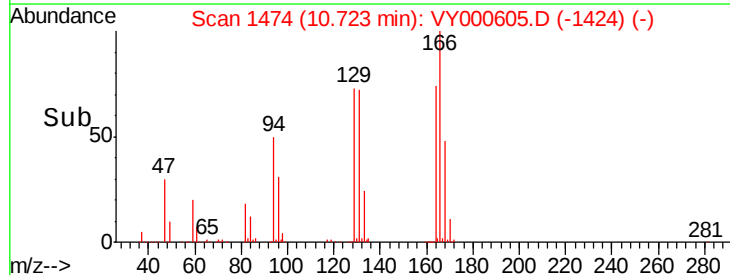
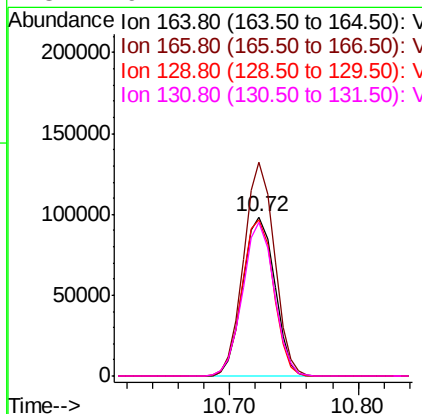
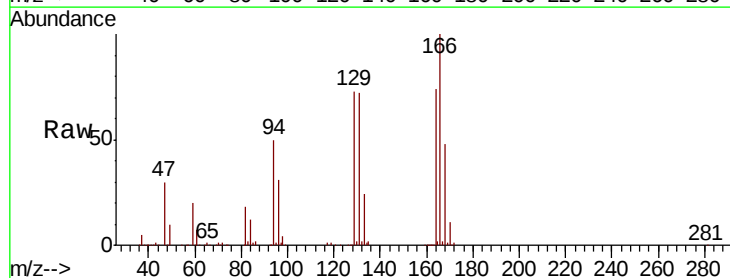
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

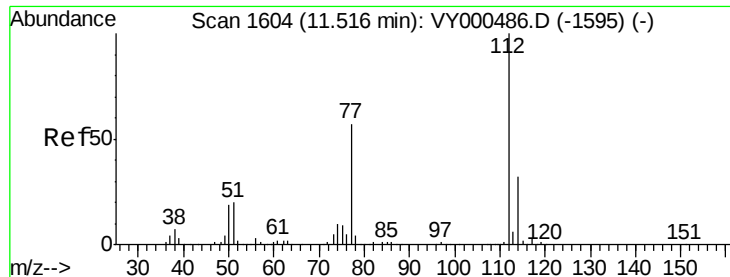
Tot Ion:117 Resp: 405816
Ion Ratio Lower Upper
117 100
82 57.0 40.8 61.2
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 50.397 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion:164 Resp: 169112
Ion Ratio Lower Upper
164 100
166 134.5 102.7 154.1
129 98.7 73.2 109.8
131 97.1 74.2 111.2





#65

Chlorobenzene

Concen: 53.824 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

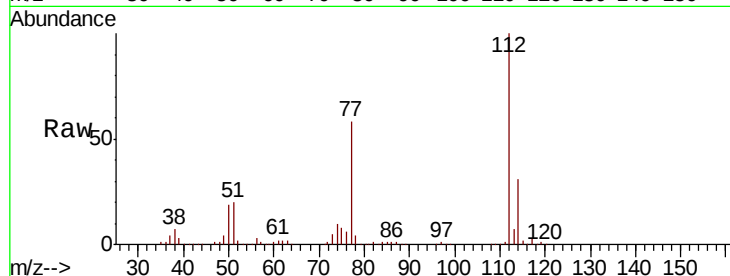
VSTDCCC050

Tot Ion:112 Resp: 442858

Ion Ratio Lower Upper

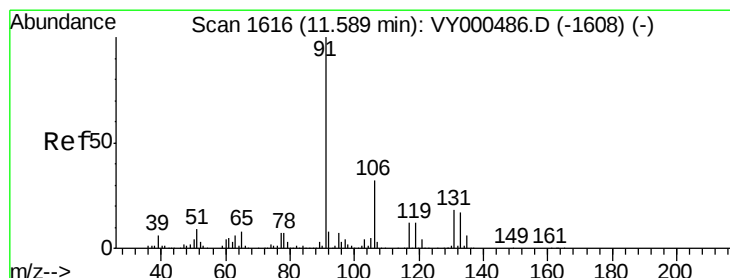
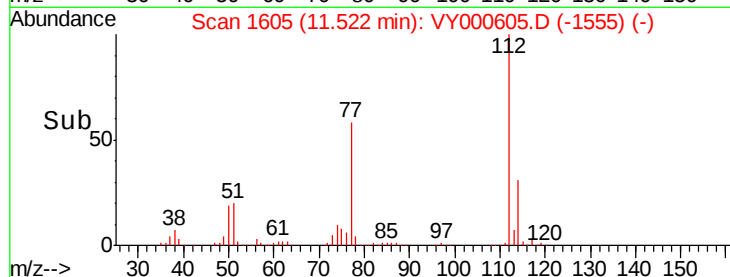
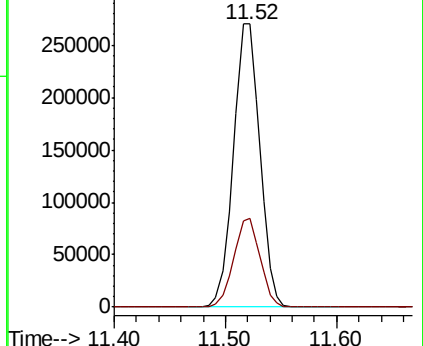
112 100

114 31.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.243 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

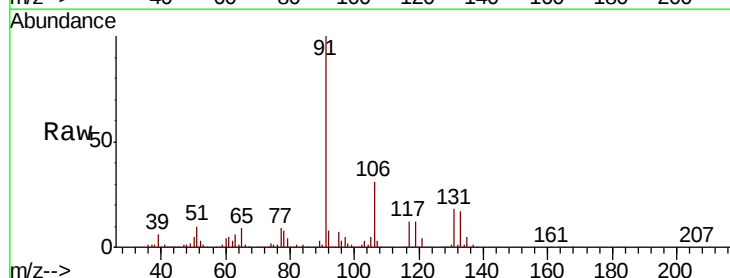
Tgt Ion:131 Resp: 157637

Ion Ratio Lower Upper

131 100

133 93.5 47.9 143.8

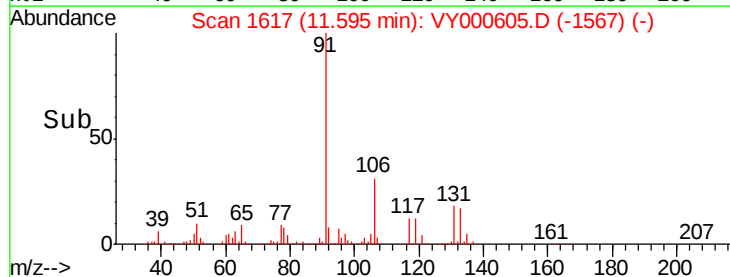
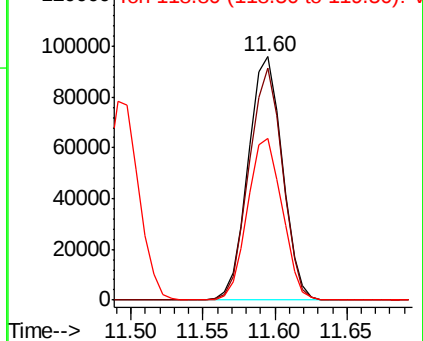
119 67.2 33.1 99.3

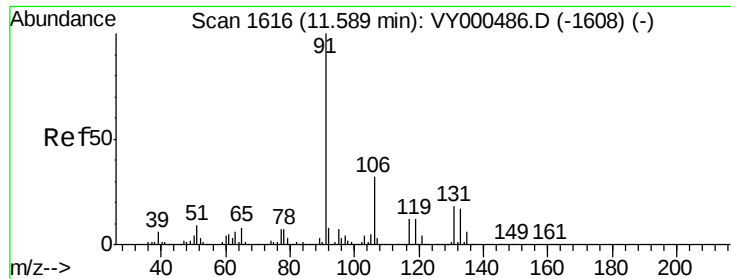


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.750 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

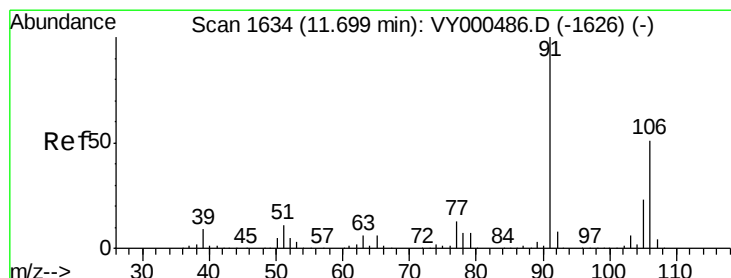
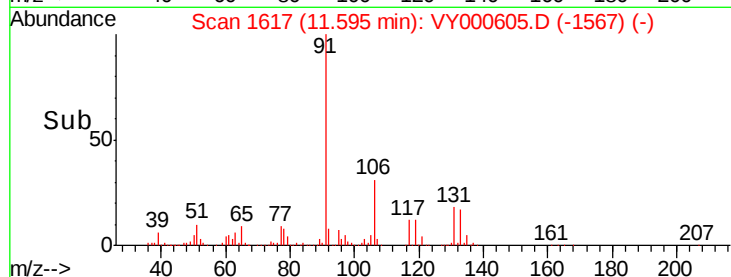
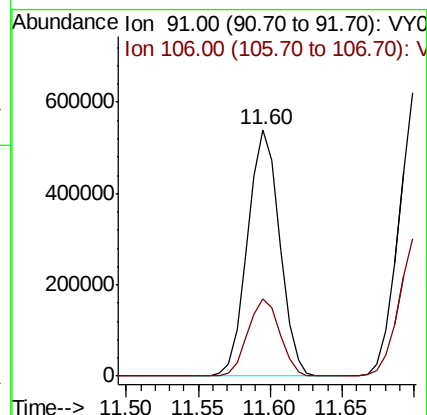
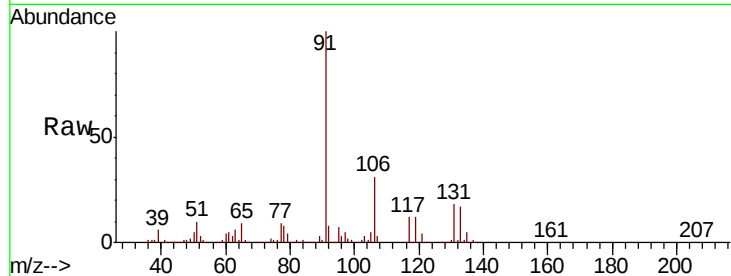
VSTDCCC050

Tot Ion: 91 Resp: 829065

Ion Ratio Lower Upper

91 100

106 31.3 25.4 38.0



#68

m/p-Xylenes

Concen: 107.240 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000605.D

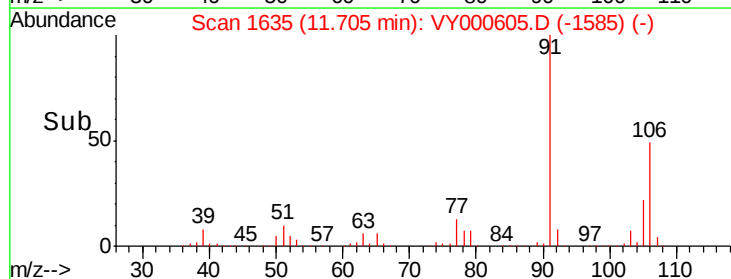
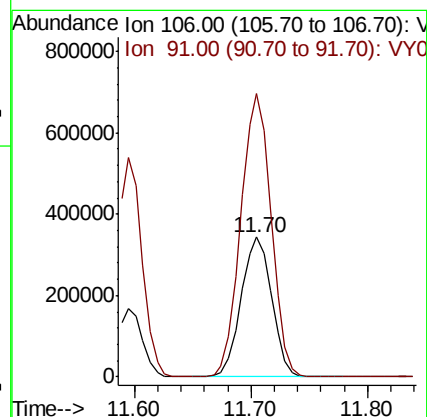
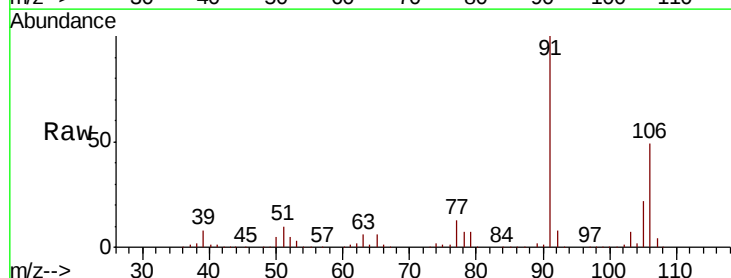
Acq: 08 Nov 2019 10:21

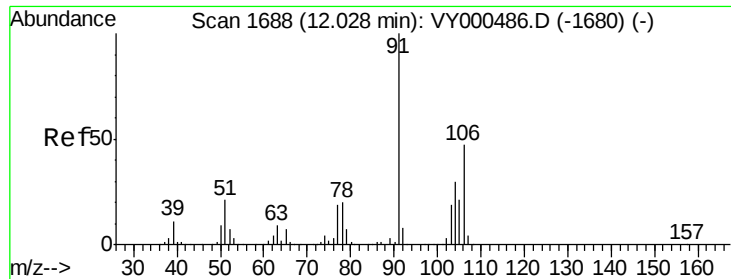
Tgt Ion: 106 Resp: 628522

Ion Ratio Lower Upper

106 100

91 201.3 155.9 233.9

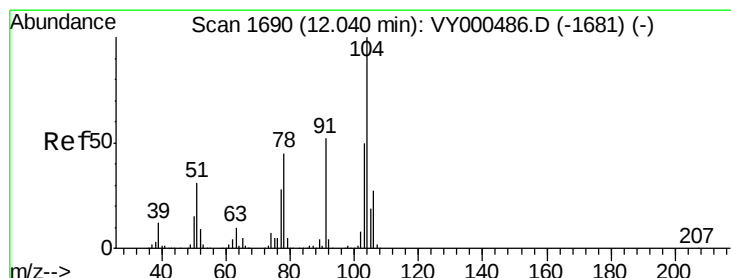
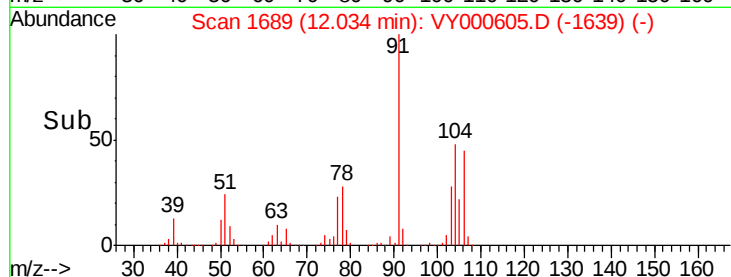
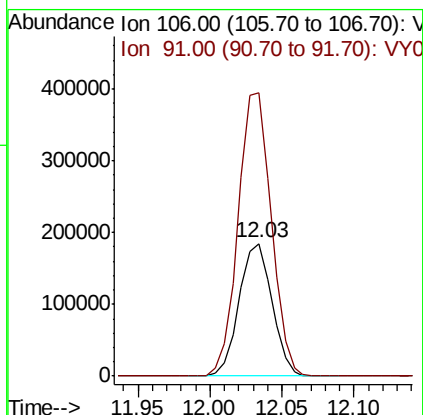
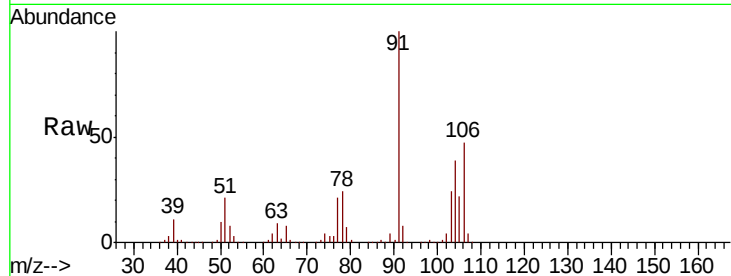




#69
o-Xylene
Concen: 53.319 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

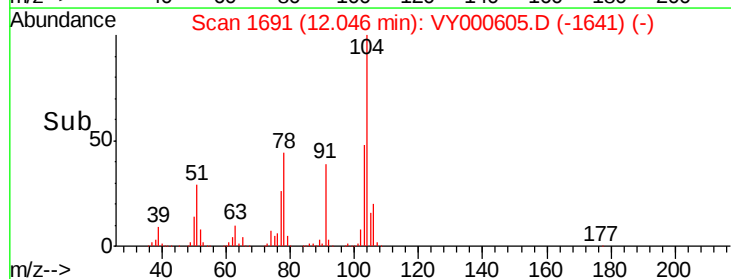
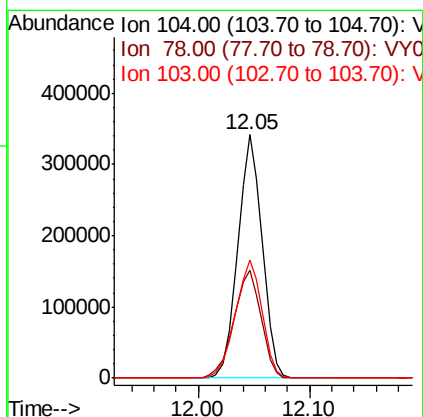
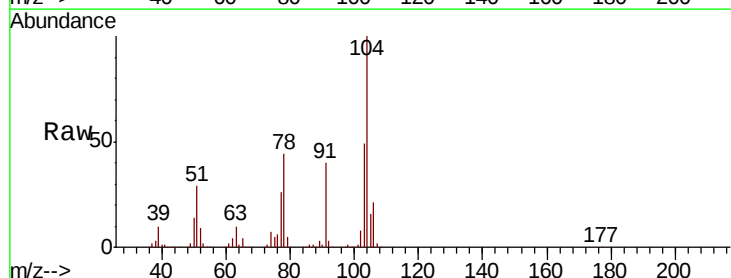
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

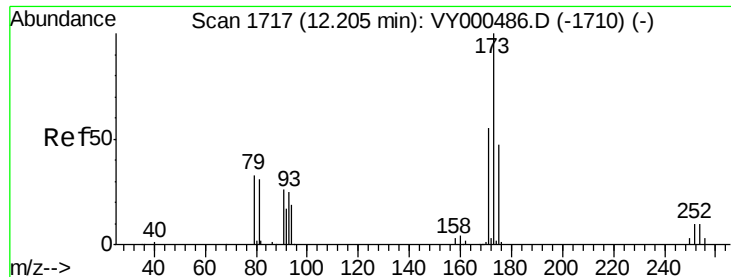
Tot Ion:106 Resp: 293694
Ion Ratio Lower Upper
106 100
91 214.9 106.5 319.6



#70
Styrene
Concen: 54.746 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000605.D
Acq: 08 Nov 2019 10:21

Tgt Ion:104 Resp: 516365
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 53.4 42.5 63.7





#71

Bromoform

Concen: 55.300 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

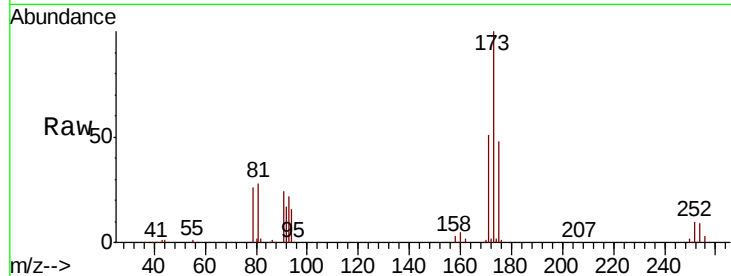
Tot Ion:173 Resp: 90762

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.2

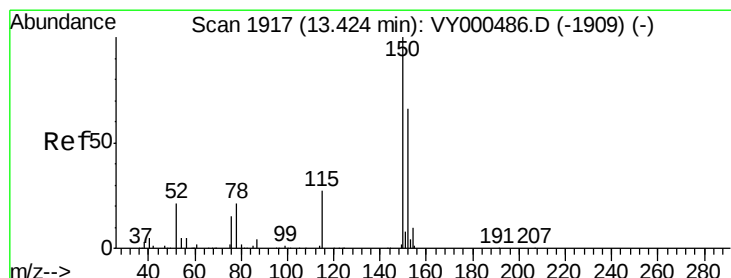
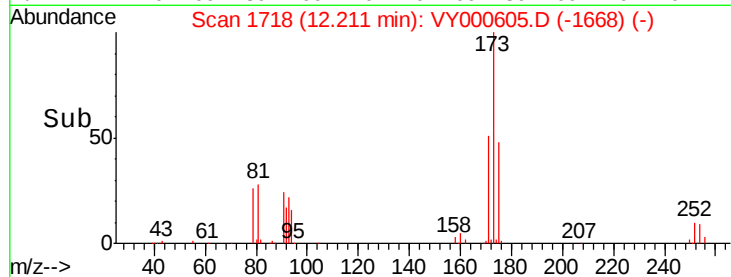
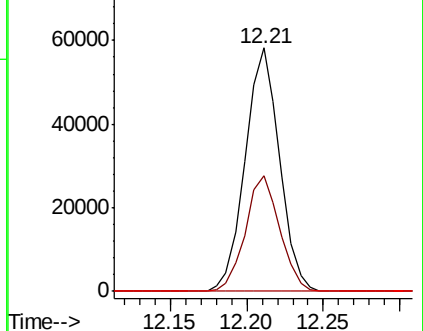
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

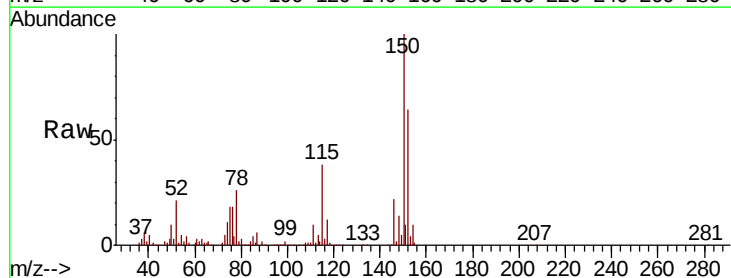
Tgt Ion:152 Resp: 198151

Ion Ratio Lower Upper

152 100

115 59.1 29.1 87.4

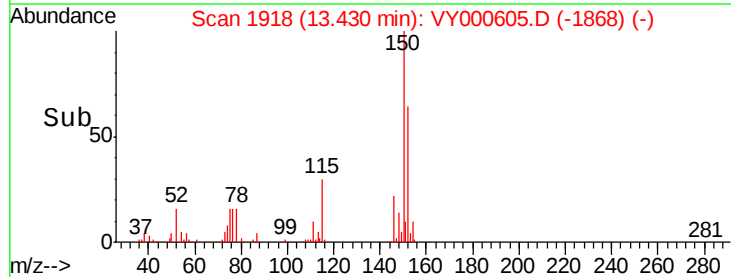
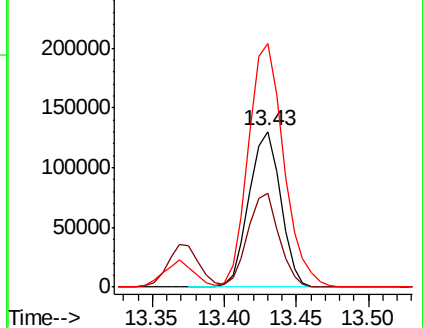
150 175.0 0.0 348.8

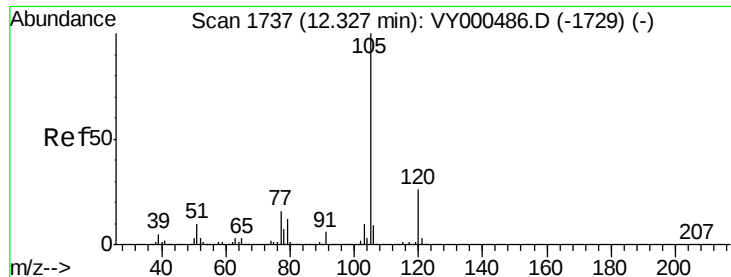


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.574 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

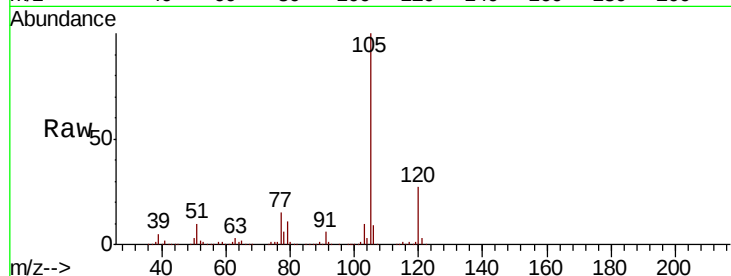
VSTDCCC050

Tot Ion:105 Resp: 813879

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

600000

500000

400000

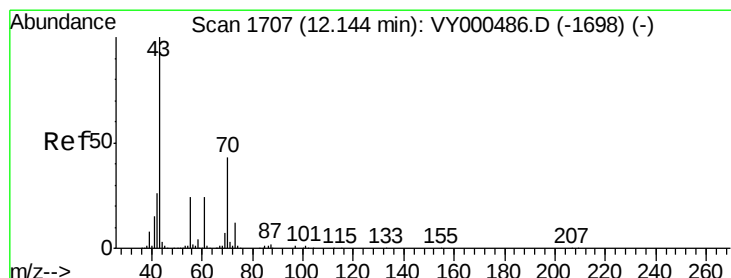
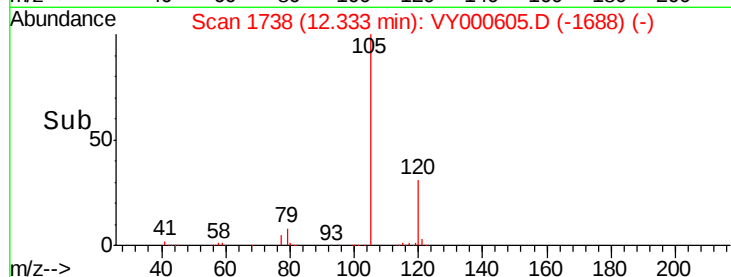
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.159 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Tgt Ion: 43 Resp: 239741

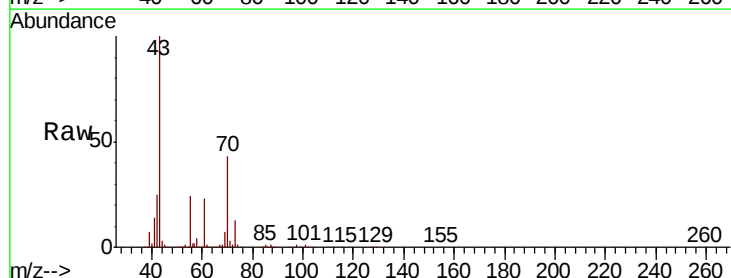
Ion Ratio Lower Upper

43 100

70 41.9 33.1 49.7

55 23.5 18.0 27.0

61 23.7 19.1 28.7



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

250000

200000

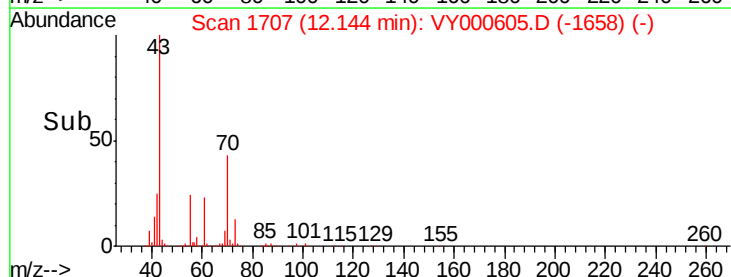
150000

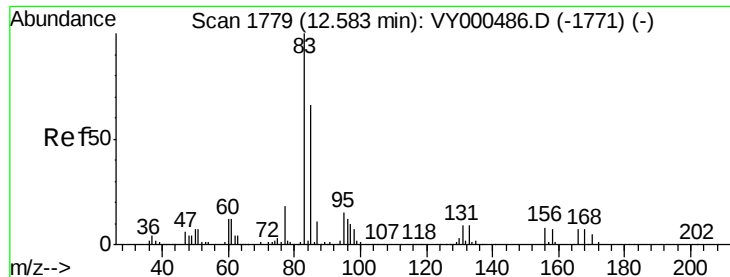
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.014 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

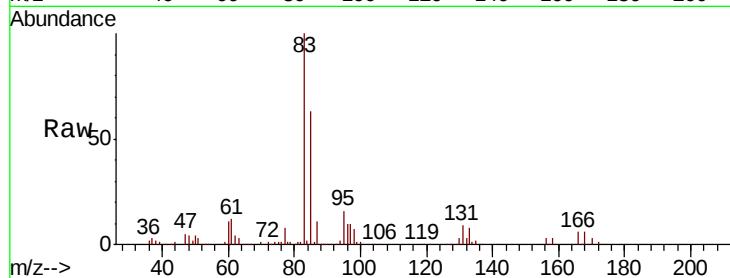
Tot Ion: 83 Resp: 159525

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

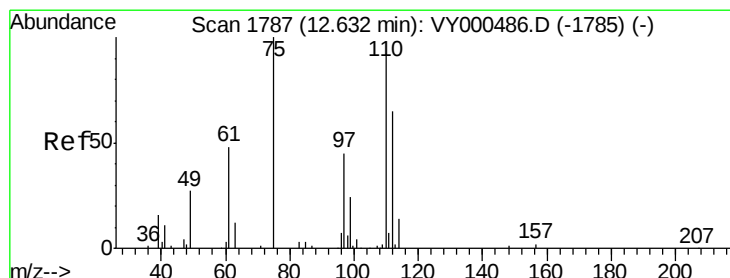
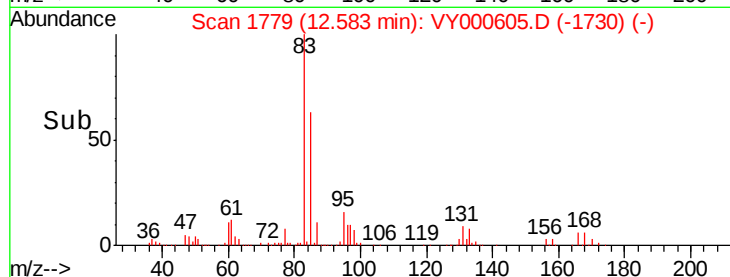
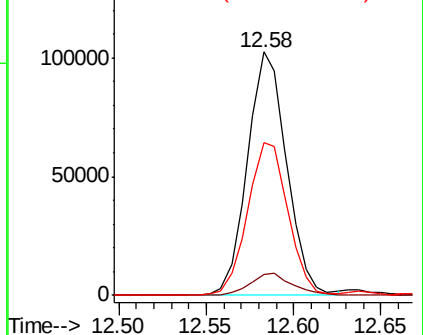
85 64.9 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 96.957 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY000605.D

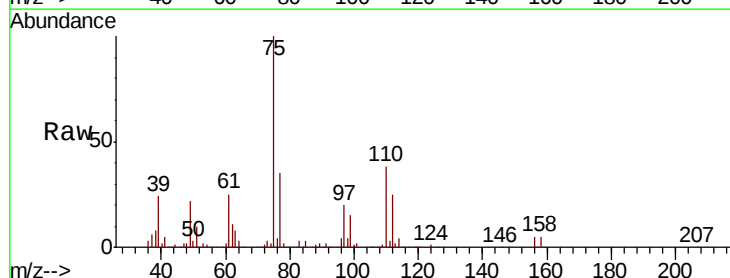
Acq: 08 Nov 2019 10:21

Tgt Ion: 75 Resp: 218757

Ion Ratio Lower Upper

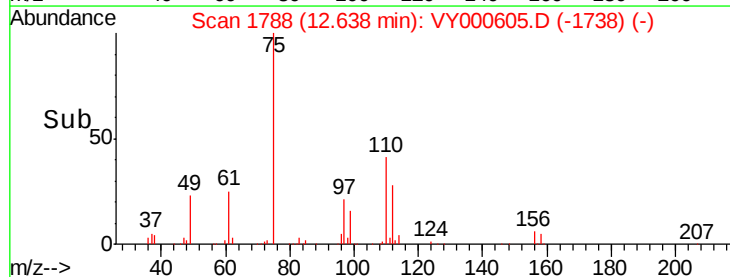
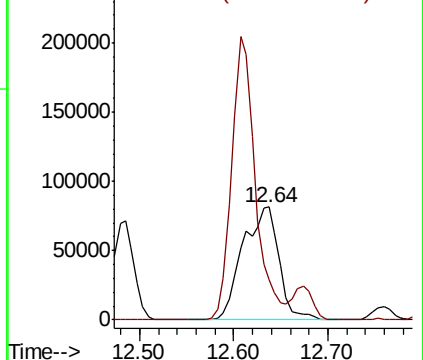
75 100

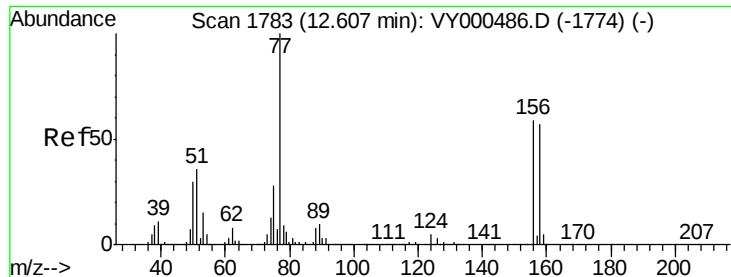
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 52.925 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

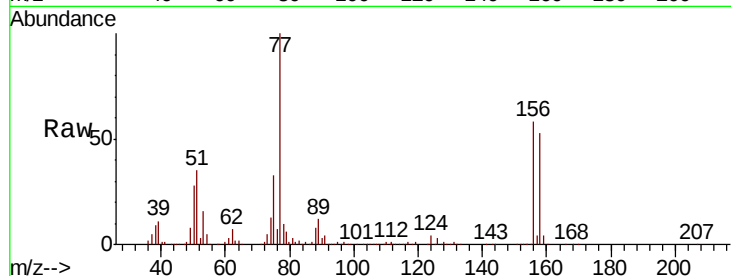
Tot Ion:156 Resp: 175764

Ion Ratio Lower Upper

156 100

77 204.6 98.2 294.4

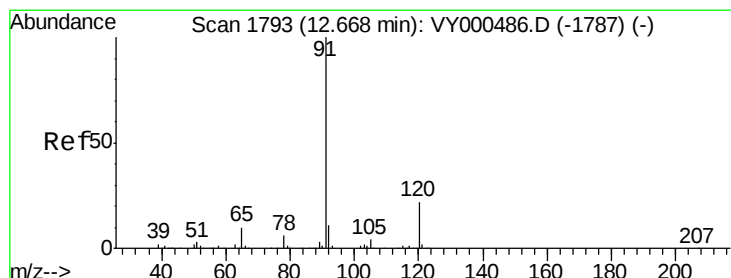
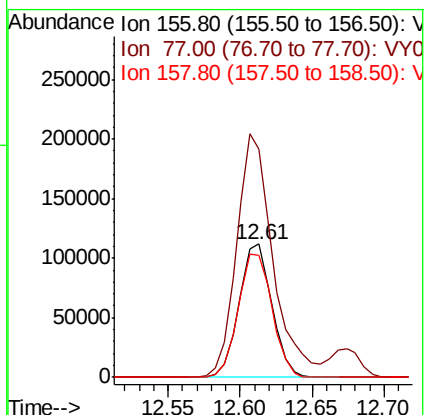
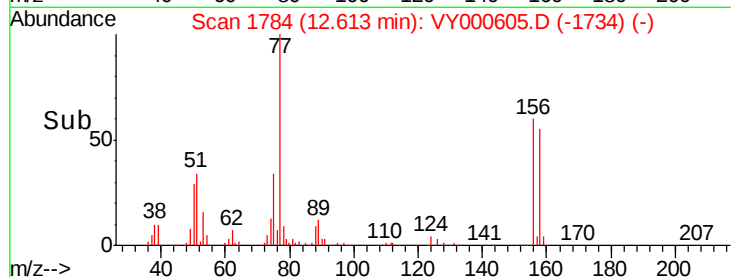
158 96.2 49.6 149.0



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: 55.500 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY000605.D

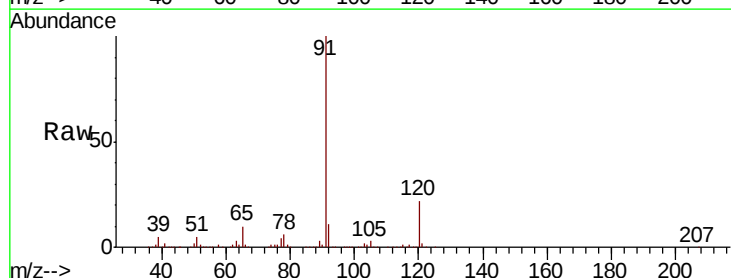
Acq: 08 Nov 2019 10:21

Tgt Ion: 91 Resp: 980697

Ion Ratio Lower Upper

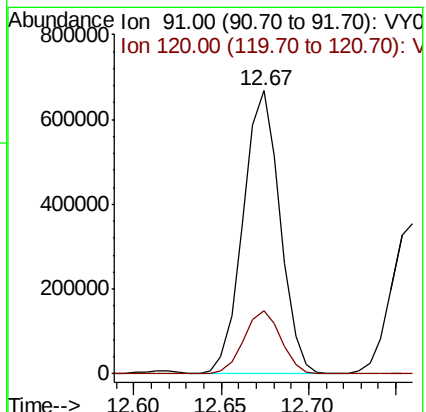
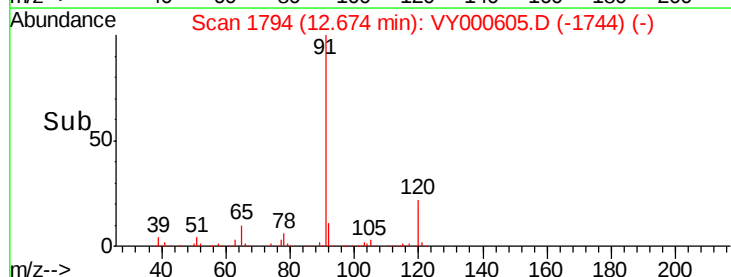
91 100

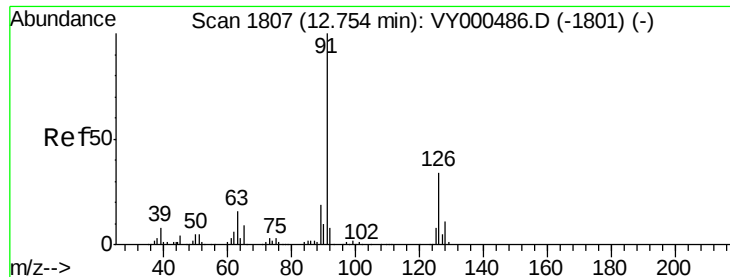
120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

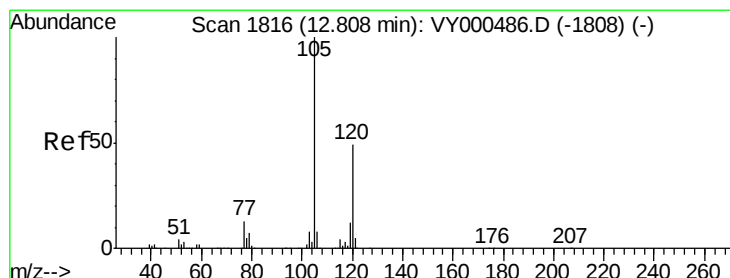
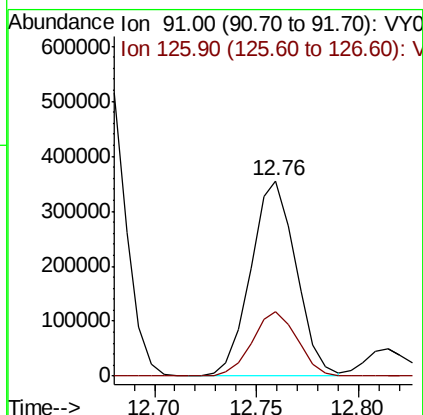
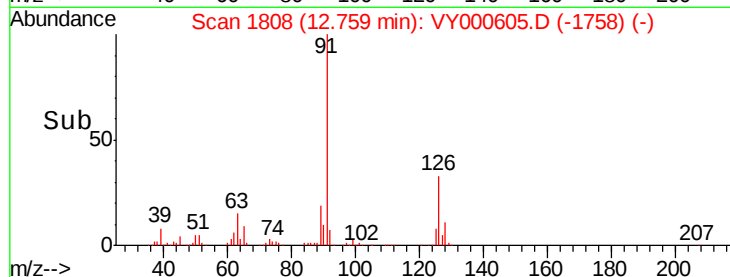
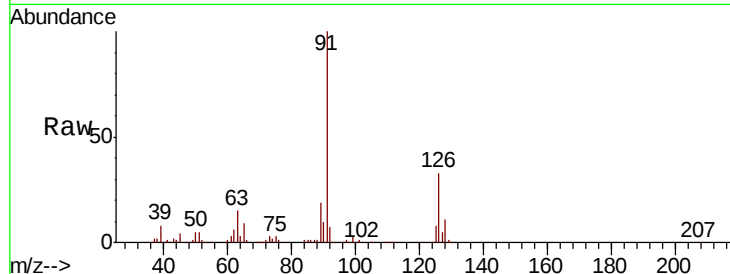




#79
 2-Chlorotoluene
 Concen: 55.887 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

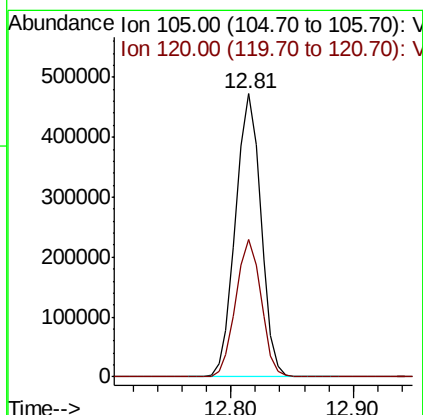
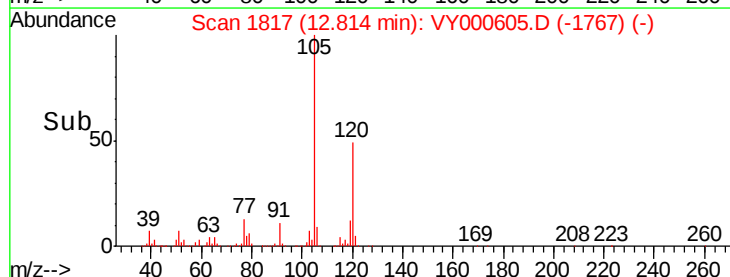
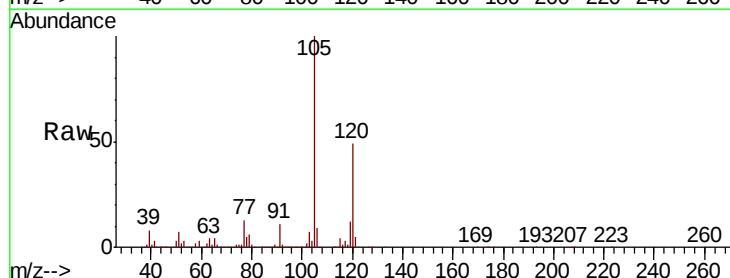
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

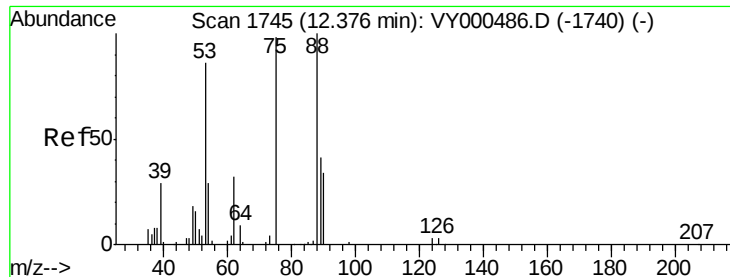
Tot Ion: 91 Resp: 548236
 Ion Ratio Lower Upper
 91 100
 126 33.0 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 55.491 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 105 Resp: 676819
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 57.435 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

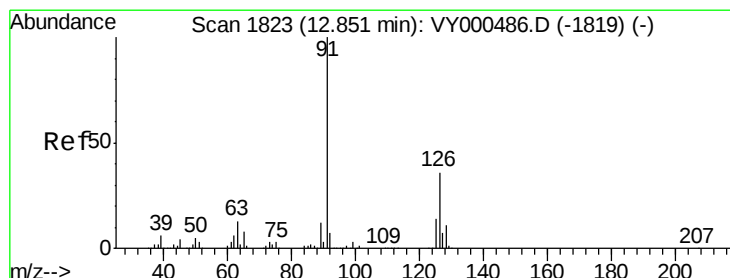
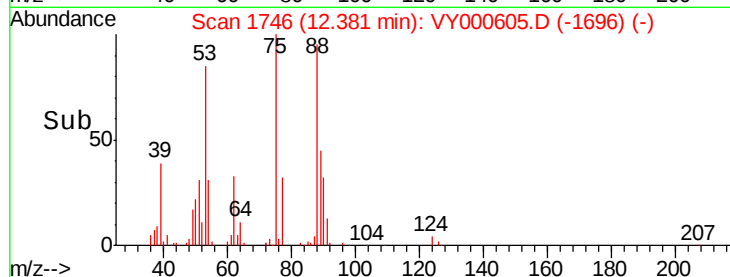
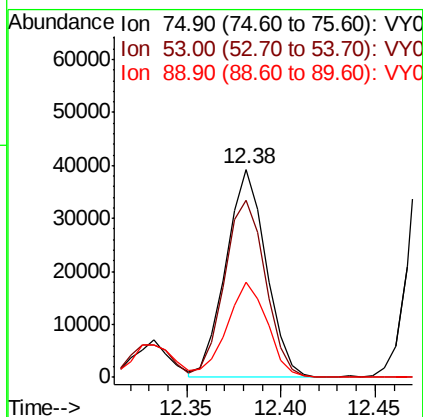
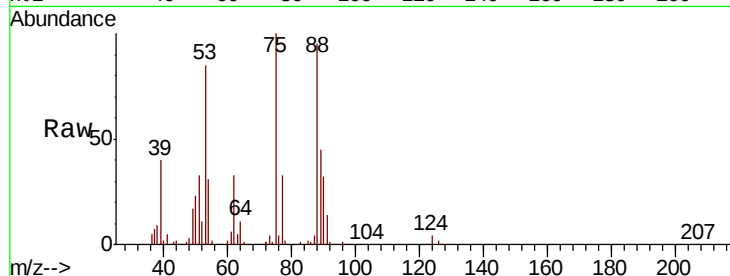
Tot Ion: 75 Resp: 57796

Ion Ratio Lower Upper

75 100

53 87.8 73.2 109.8

89 46.3 35.9 53.9



#82

4-Chlorotoluene

Concen: 56.503 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY000605.D

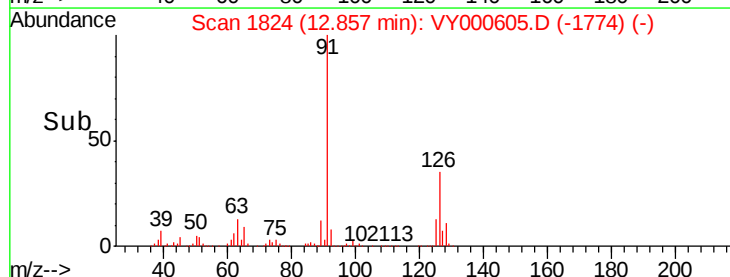
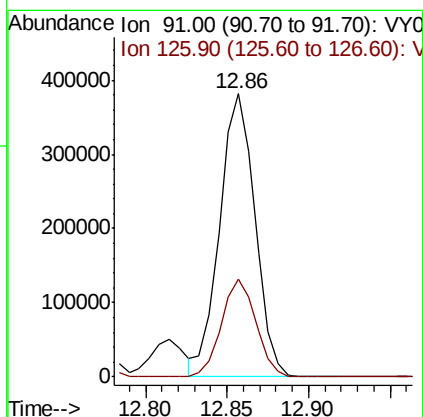
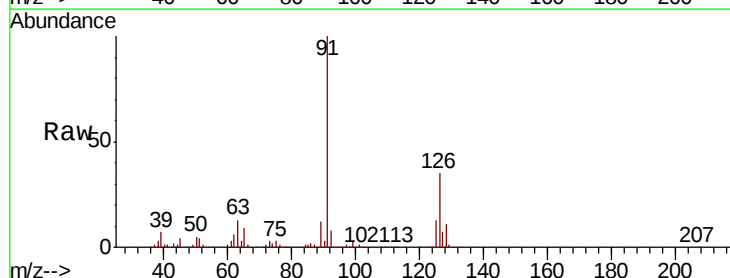
Acq: 08 Nov 2019 10:21

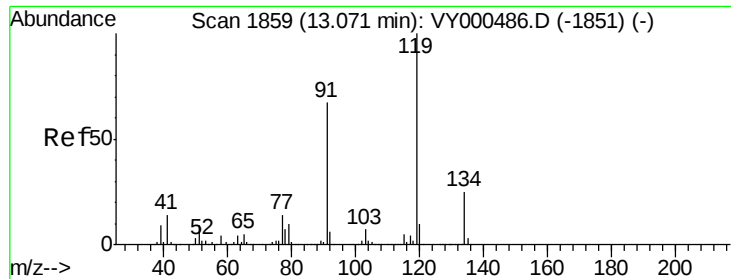
Tgt Ion: 91 Resp: 574563

Ion Ratio Lower Upper

91 100

126 33.8 17.6 52.9

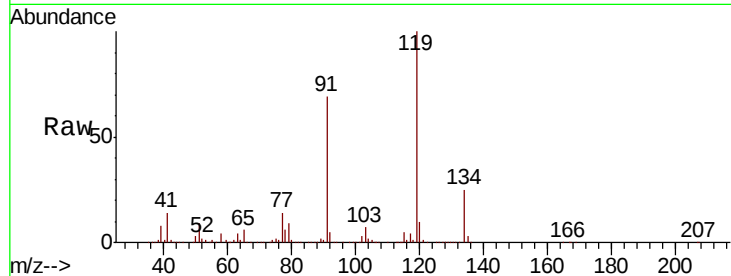




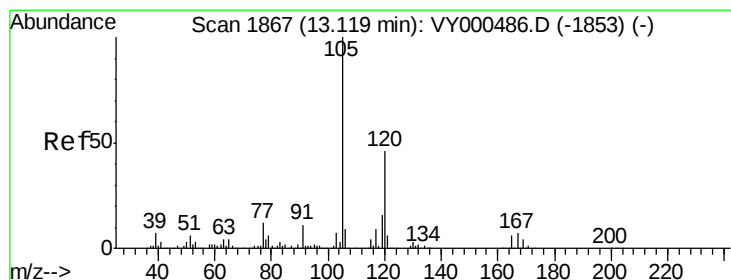
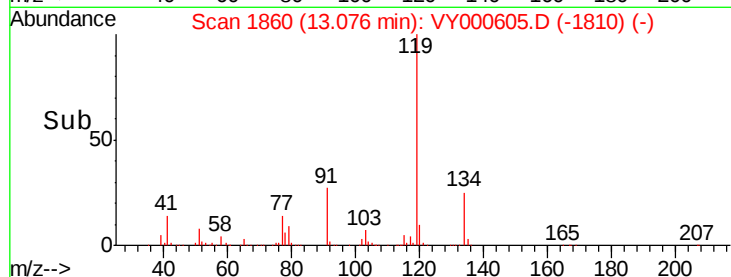
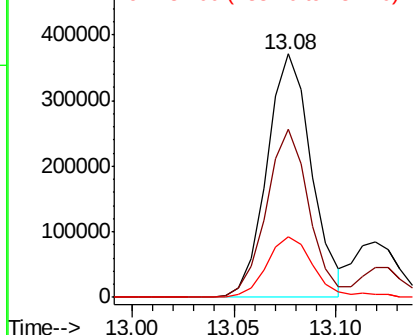
#83
 tert-Butylbenzene
 Concen: 54.182 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 564265
 Ion Ratio Lower Upper
 119 100
 91 66.9 32.1 96.3
 134 26.4 13.2 39.5

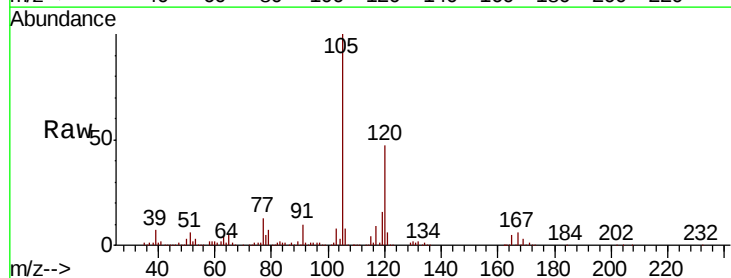


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VY0
 Ion 134.00 (133.70 to 134.70): V

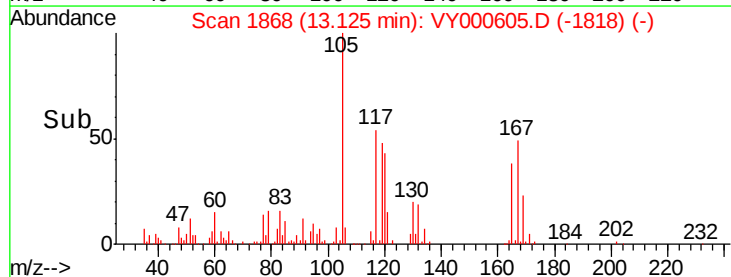
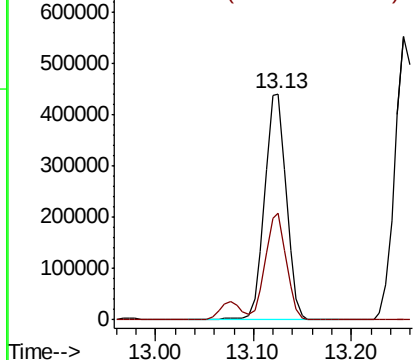


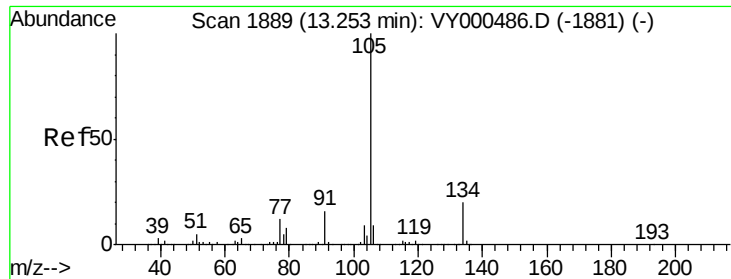
#84
 1,2,4-Trimethylbenzene
 Concen: 55.716 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:105 Resp: 676618
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

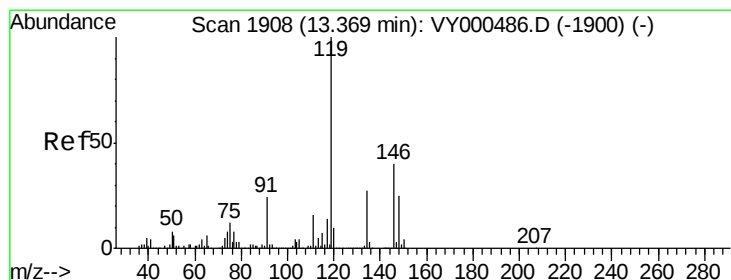
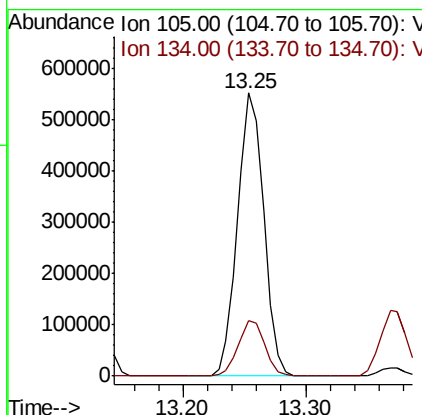
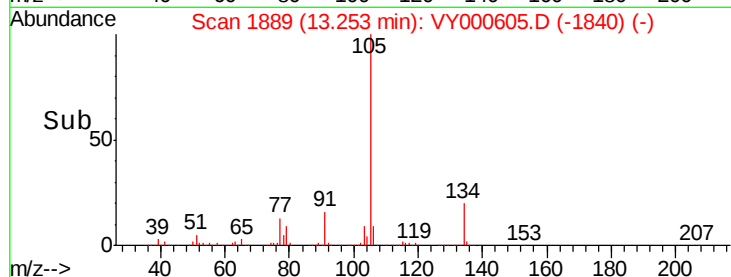
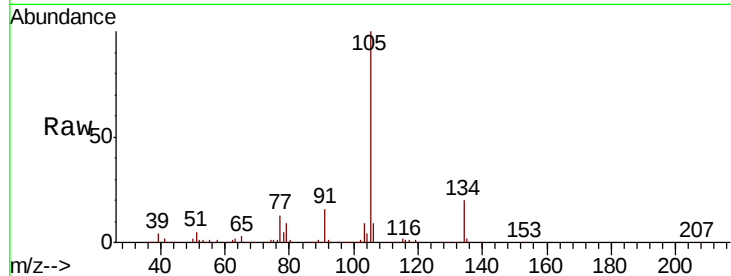




#85
 sec-Butylbenzene
 Concen: 55.057 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

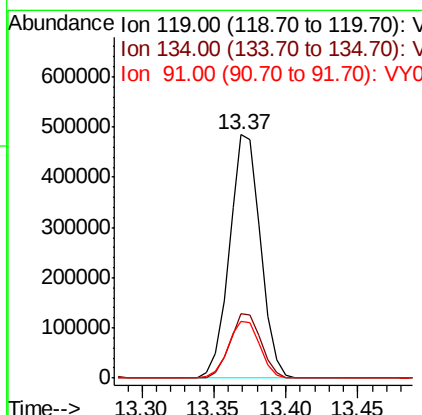
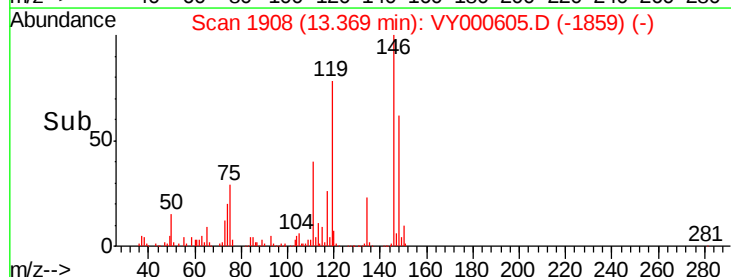
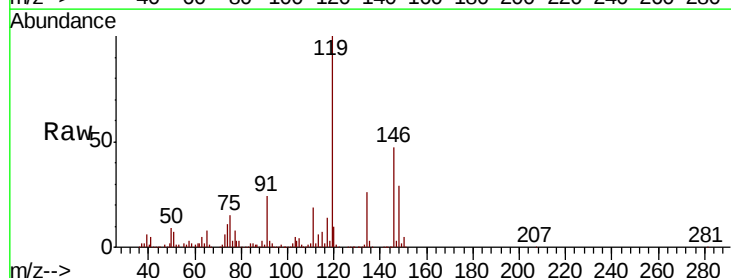
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

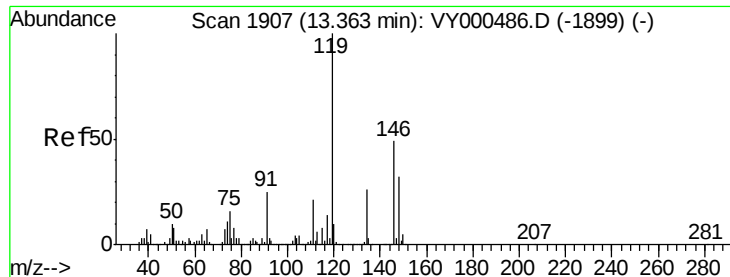
Tot Ion:105 Resp: 816905
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 54.916 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:119 Resp: 726194
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.6 40.8
 91 24.0 12.0 36.1

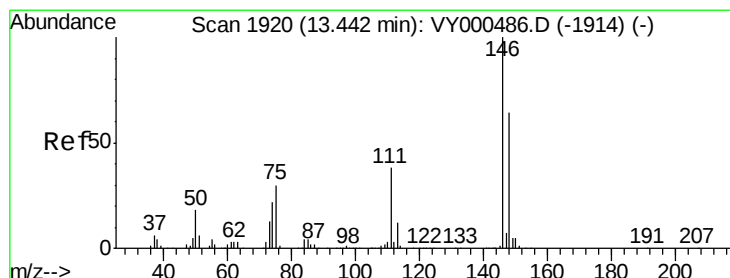
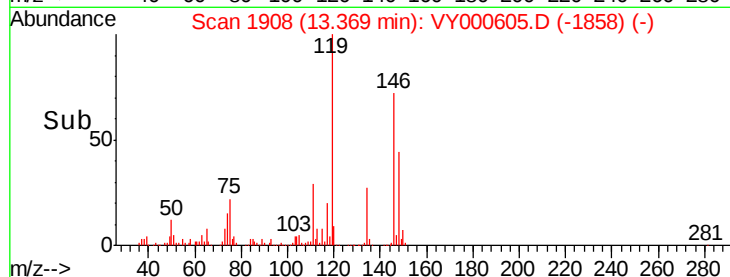
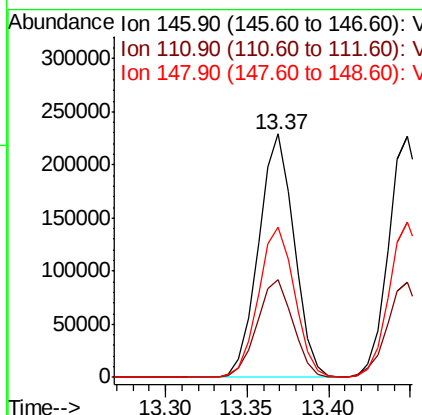
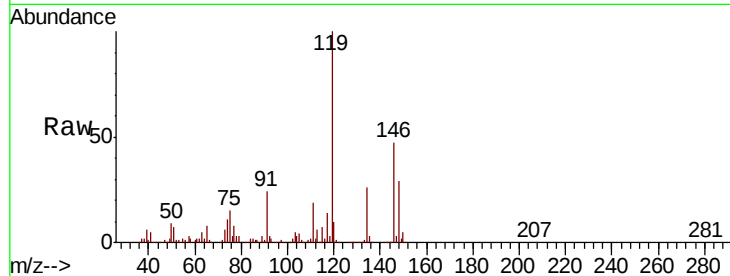




#87
 1,3-Dichlorobenzene
 Concen: 53.537 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

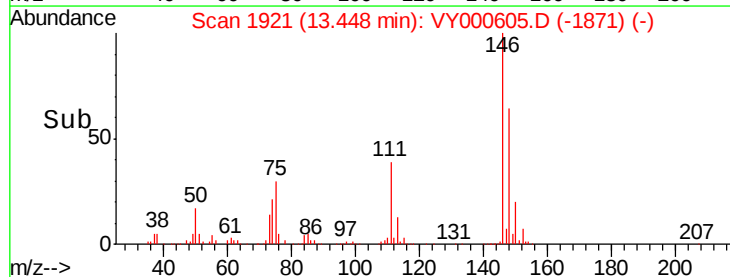
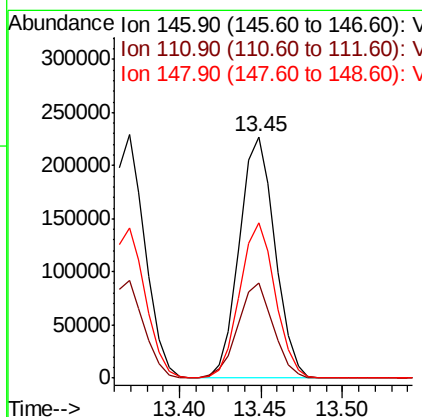
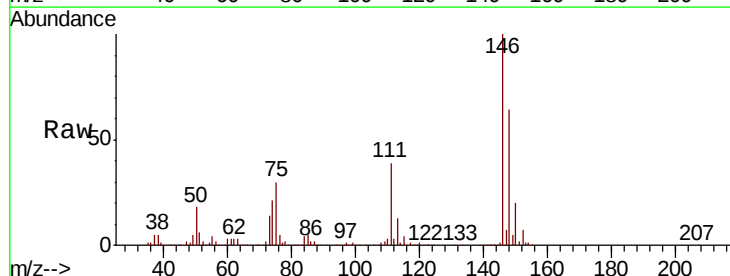
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

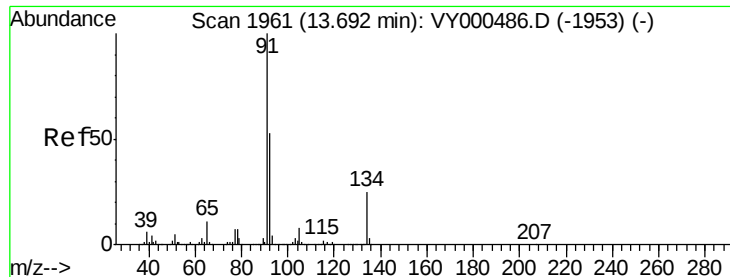
Tot Ion:146 Resp: 348250
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 62.8 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 53.397 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:146 Resp: 347086
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 54.732 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

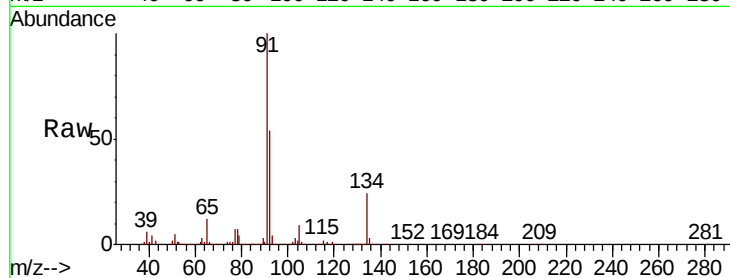
Tot Ion: 91 Resp: 713852

Ion Ratio Lower Upper

91 100

92 54.3 26.8 80.3

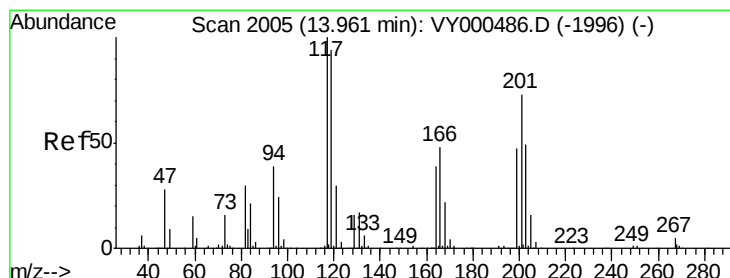
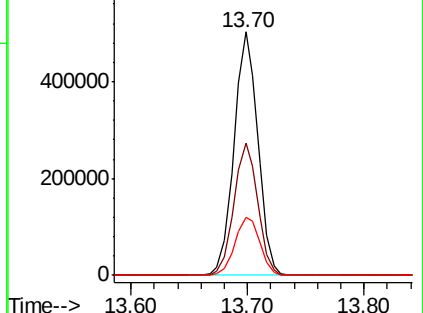
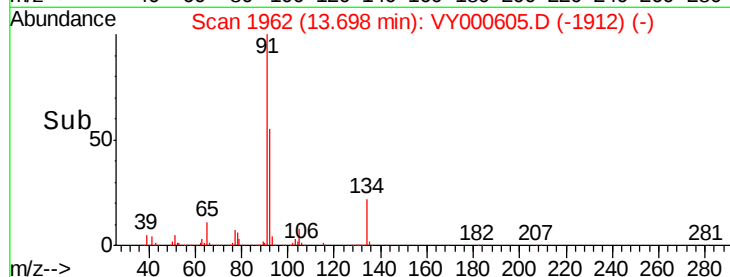
134 25.0 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VY000486.D (-1953) (-)

Ion 134.00 (133.70 to 134.70): VY000486.D (-1953) (-)



#90

Hexachloroethane

Concen: 56.567 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY000605.D

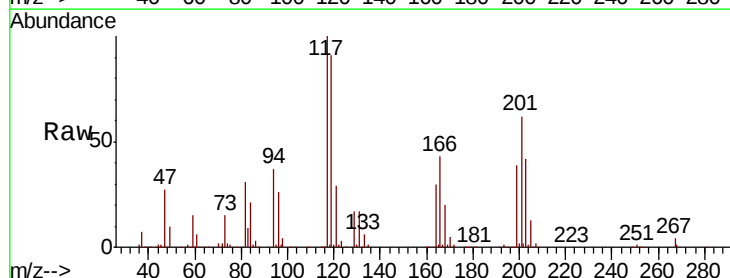
Acq: 08 Nov 2019 10:21

Tgt Ion: 117 Resp: 138288

Ion Ratio Lower Upper

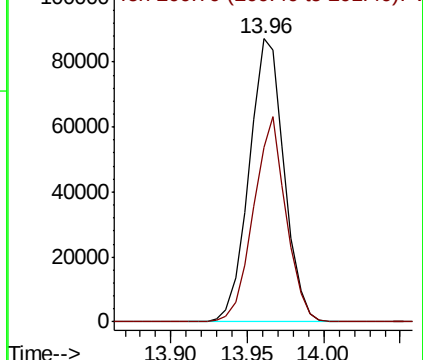
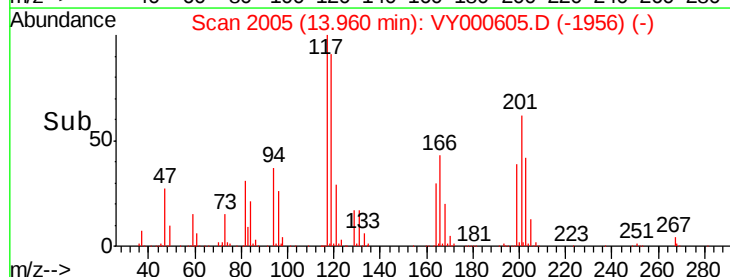
117 100

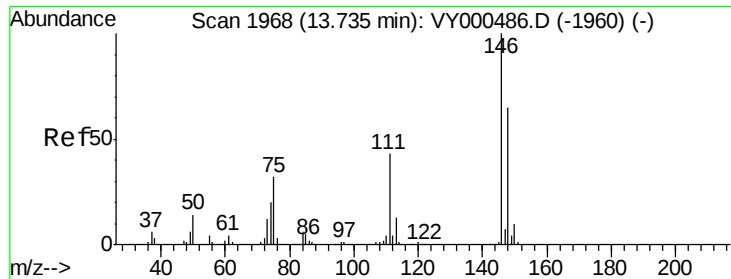
201 67.5 35.8 107.3



Abundance Ion 116.80 (116.50 to 117.50): VY000486.D (-1996) (-)

Ion 200.70 (200.40 to 201.40): VY000486.D (-1996) (-)





#91

1,2-Dichlorobenzene

Concen: 54.182 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

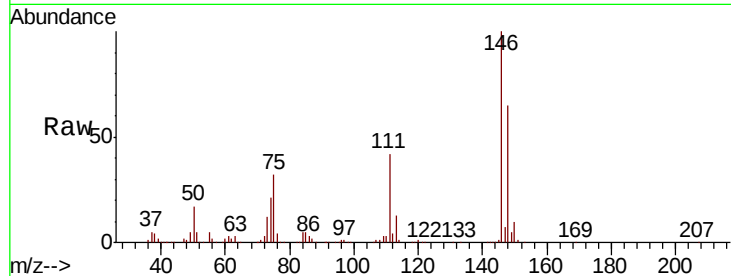
Tot Ion:146 Resp: 319779

Ion Ratio Lower Upper

146 100

111 41.8 20.5 61.5

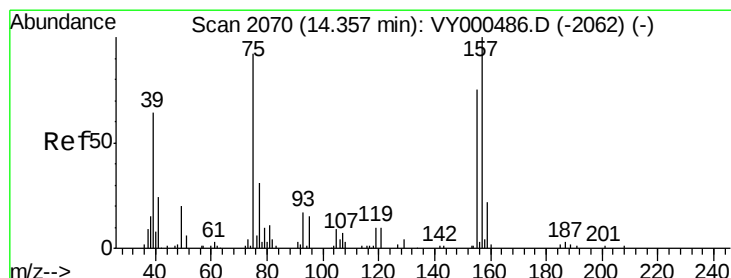
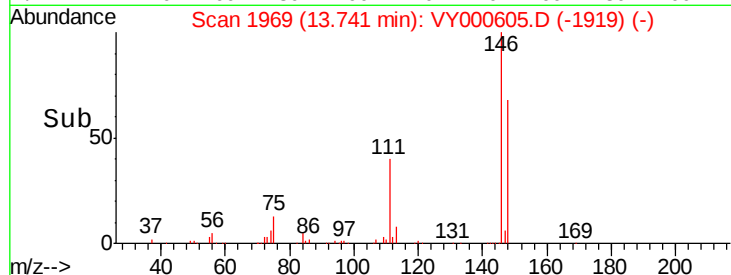
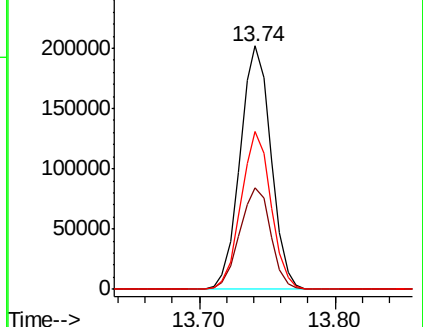
148 62.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.700 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

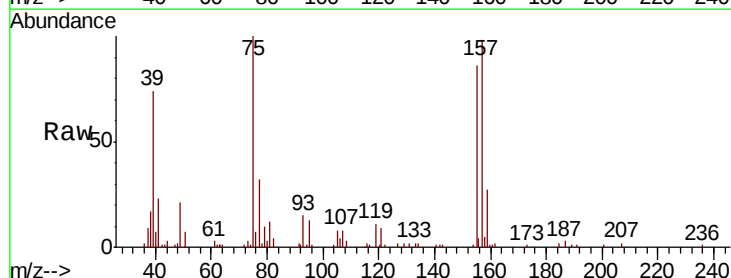
Tgt Ion: 75 Resp: 26532

Ion Ratio Lower Upper

75 100

155 87.0 42.4 127.1

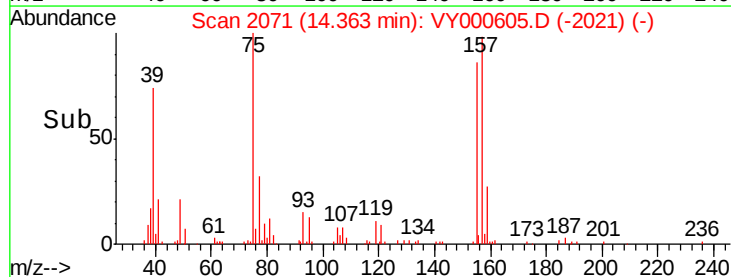
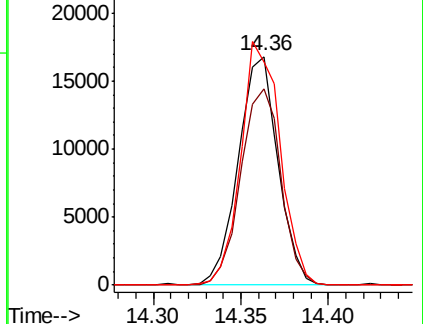
157 105.2 55.1 165.3

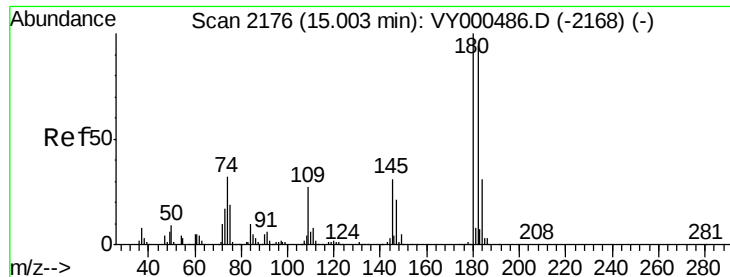


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

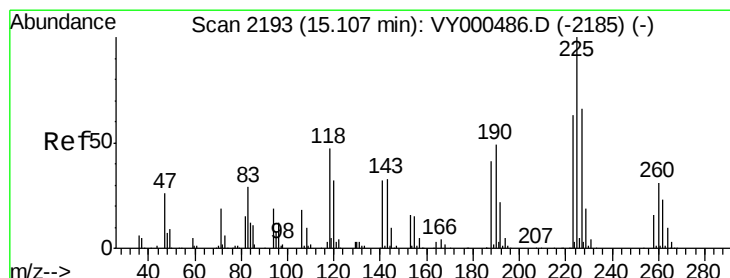
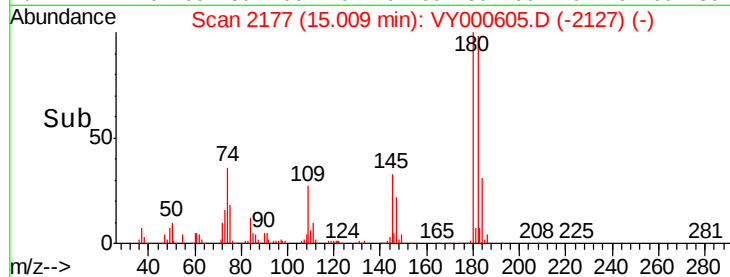
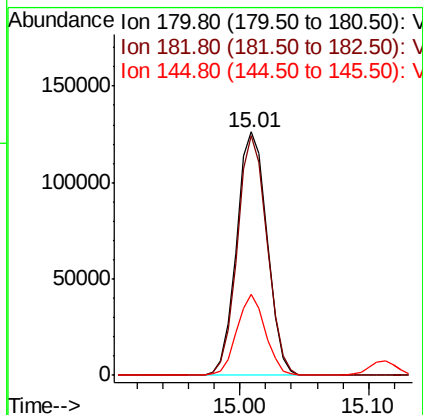
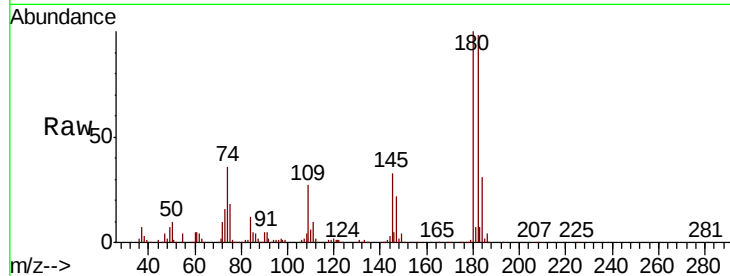




#93
 1,2,4-Trichlorobenzene
 Concen: 51.341 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

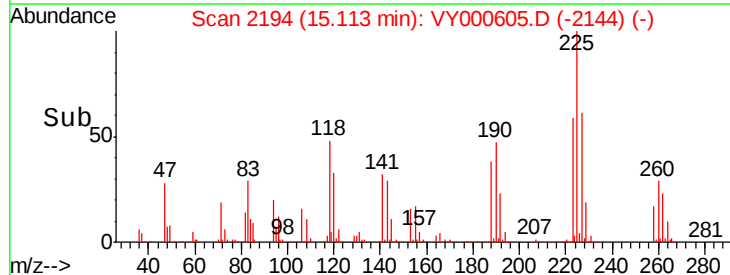
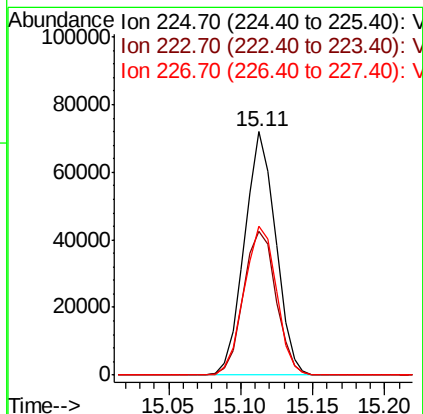
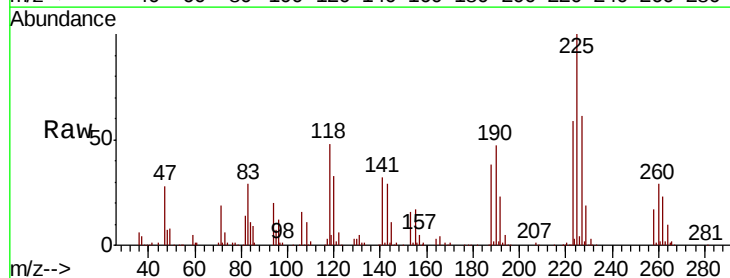
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

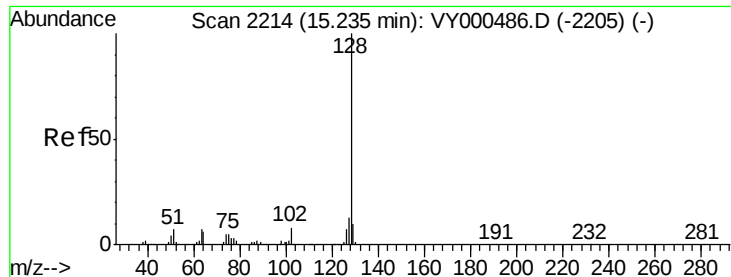
Tot Ion:180 Resp: 206320
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.8 143.4
 145 31.1 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 51.985 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000605.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:225 Resp: 107688
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.3 93.8
 227 63.5 32.4 97.0





#95

Naphthalene

Concen: 51.859 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

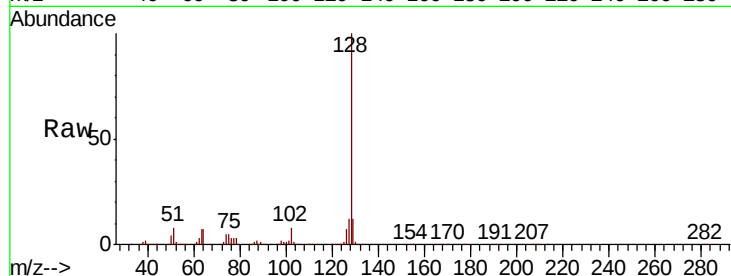
Tot Ion:128 Resp: 462636

Ion Ratio Lower Upper

128 100

127 12.8 9.8 14.6

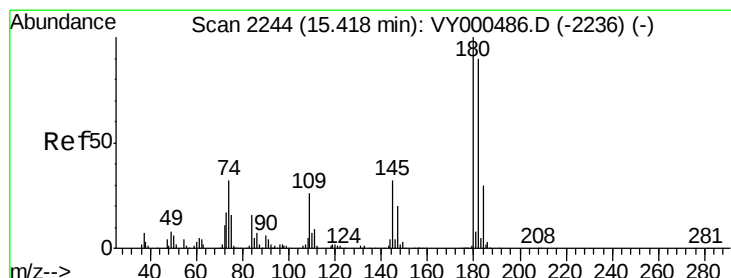
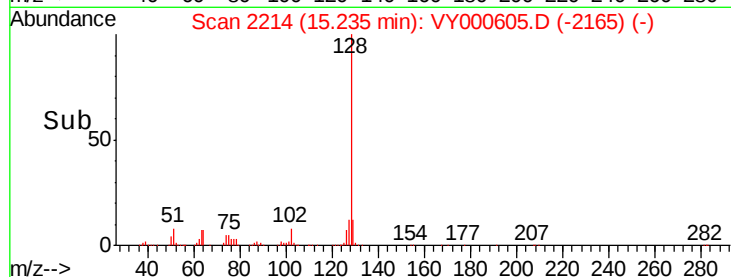
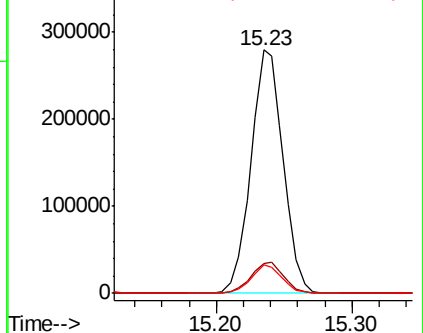
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.725 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000605.D

Acq: 08 Nov 2019 10:21

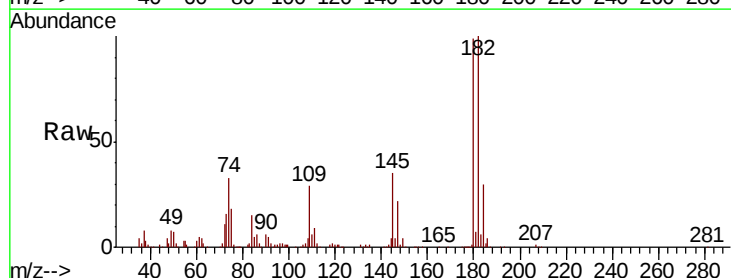
Tgt Ion:180 Resp: 182878

Ion Ratio Lower Upper

180 100

182 96.4 47.4 142.3

145 33.4 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

