

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000597.D
 Acq On : 07 Nov 2019 22:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 4:07:15 PM

Quant Time: Nov 08 09:48:00 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	264691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	462385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	426585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	213233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	157090	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
35) Dibromofluoromethane	7.73	113	134649	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.18	98	547102	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.48	95	203023	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	136233	52.285	ug/l	96
3) Chloromethane	2.12	50	186900	52.070	ug/l	96
4) Vinyl Chloride	2.25	62	174880	52.467	ug/l	100
5) Bromomethane	2.65	94	113872	56.971	ug/l	98
6) Chloroethane	2.80	64	115013	55.133	ug/l	95
7) Trichlorofluoromethane	3.13	101	241902	53.739	ug/l	99
8) Diethyl Ether	3.54	74	95922	59.972	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	144507	53.101	ug/l	96
10) Methyl Iodide	4.10	142	188329	52.411	ug/l	100
11) Tert butyl alcohol	4.97	59	77521	290.728	ug/l	100
12) 1,1-Dichloroethene	3.88	96	141034	53.342	ug/l	88
13) Acrolein	3.74	56	69859	300.776	ug/l	96
14) Allyl chloride	4.49	41	259126	60.272	ug/l	97
15) Acrylonitrile	5.18	53	253353	309.213	ug/l	100
16) Acetone	3.96	43	191574	253.755	ug/l	98
17) Carbon Disulfide	4.20	76	443442	53.176	ug/l	98
18) Methyl Acetate	4.49	43	147386	62.786	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	444268	60.434	ug/l	96
20) Methylene Chloride	4.72	84	171671	53.068	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	164625	55.075	ug/l	97
22) Diisopropyl ether	6.13	45	587927	62.916	ug/l	93
23) Vinyl Acetate	6.07	43	1820201	308.571	ug/l	99
24) 1,1-Dichloroethane	6.04	63	298026	58.871	ug/l	99
25) 2-Butanone	7.00	43	343867	285.399	ug/l	99
26) 2,2-Dichloropropane	6.99	77	240362	51.955	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	190950	58.422	ug/l	99
28) Bromochloromethane	7.35	49	133791	57.298	ug/l	93
29) Tetrahydrofuran	7.36	42	227475	308.612	ug/l	99
30) Chloroform	7.52	83	295855	57.771	ug/l	100
31) Cyclohexane	7.80	56	276924	52.228	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	253624	55.569	ug/l	99
36) 1,1-Dichloropropene	7.93	75	231786	53.026	ug/l	98
37) Ethyl Acetate	7.09	43	149552	57.627	ug/l	98
38) Carbon Tetrachloride	7.91	117	220049	52.317	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	293144	51.909	ug/l	97
40) Benzene	8.17	78	698304	54.490	ug/l	98
41) Methacrylonitrile	7.33	41	76251m	52.669	ug/l	
42) 1,2-Dichloroethane	8.25	62	208239	57.291	ug/l	99
43) Isopropyl Acetate	8.28	43	288777	59.236	ug/l	98
44) Trichloroethene	8.95	130	179705	53.185	ug/l	92
45) 1,2-Dichloropropane	9.22	63	181994	57.701	ug/l	93
46) Dibromomethane	9.32	93	96046	55.370	ug/l	99
47) Bromodichloromethane	9.50	83	234758	57.037	ug/l	97
48) Methyl methacrylate	9.30	41	132067	62.002	ug/l	95
49) 1,4-Dioxane	9.31	88	26699	1143.653	ug/l #	88
51) 4-Methyl-2-Pentanone	10.08	43	769279	296.796	ug/l	98
52) Toluene	10.25	92	441751	54.522	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	255117	58.010	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	290754	57.710	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	147553	58.811	ug/l	94
56) Ethyl methacrylate	10.51	69	218646	61.487	ug/l	99
57) 1,3-Dichloropropane	10.79	76	255525	58.191	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	448596	279.044	ug/l	98
59) 2-Hexanone	10.83	43	552326	292.472	ug/l	100
60) Dibromochloromethane	10.99	129	165072	57.441	ug/l	100
61) 1,2-Dibromoethane	11.09	107	139478	57.819	ug/l	97
64) Tetrachloroethene	10.72	164	182862	51.841	ug/l	98
65) Chlorobenzene	11.52	112	465874	53.865	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	165461	55.161	ug/l	99
67) Ethyl Benzene	11.59	91	864718	54.324	ug/l	99
68) m/p-Xylenes	11.70	106	649567	105.435	ug/l	94
69) o-Xylene	12.03	106	309695	53.487	ug/l	99
70) Styrene	12.04	104	548493	55.321	ug/l	99
71) Bromoform	12.20	173	98661	57.186	ug/l #	99
73) Isopropylbenzene	12.33	105	834751	52.968	ug/l	99
74) N-amyl acetate	12.14	43	278023	61.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	177594	56.914	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	152192m	62.683	ug/l	
77) Bromobenzene	12.61	156	187367	52.428	ug/l	95
78) n-propylbenzene	12.67	91	1006885	52.952	ug/l	100
79) 2-Chlorotoluene	12.75	91	570285	54.023	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	711485	54.207	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	64027	59.127	ug/l	96
82) 4-Chlorotoluene	12.85	91	608066	55.569	ug/l	98
83) tert-Butylbenzene	13.07	119	594912	53.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	712290	54.505	ug/l	98
85) sec-Butylbenzene	13.25	105	853085	53.429	ug/l	98
86) p-Isopropyltoluene	13.37	119	759500	53.372	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	368004	52.572	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	369021	52.756	ug/l	99
89) n-Butylbenzene	13.69	91	740281	52.744	ug/l	99
90) Hexachloroethane	13.96	117	142404	54.130	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	344480	54.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	31354	56.775	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	222743	51.508	ug/l	98
94) Hexachlorobutadiene	15.11	225	109285	49.025	ug/l	98
95) Naphthalene	15.23	128	522803	54.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	201870	52.032	ug/l	99

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

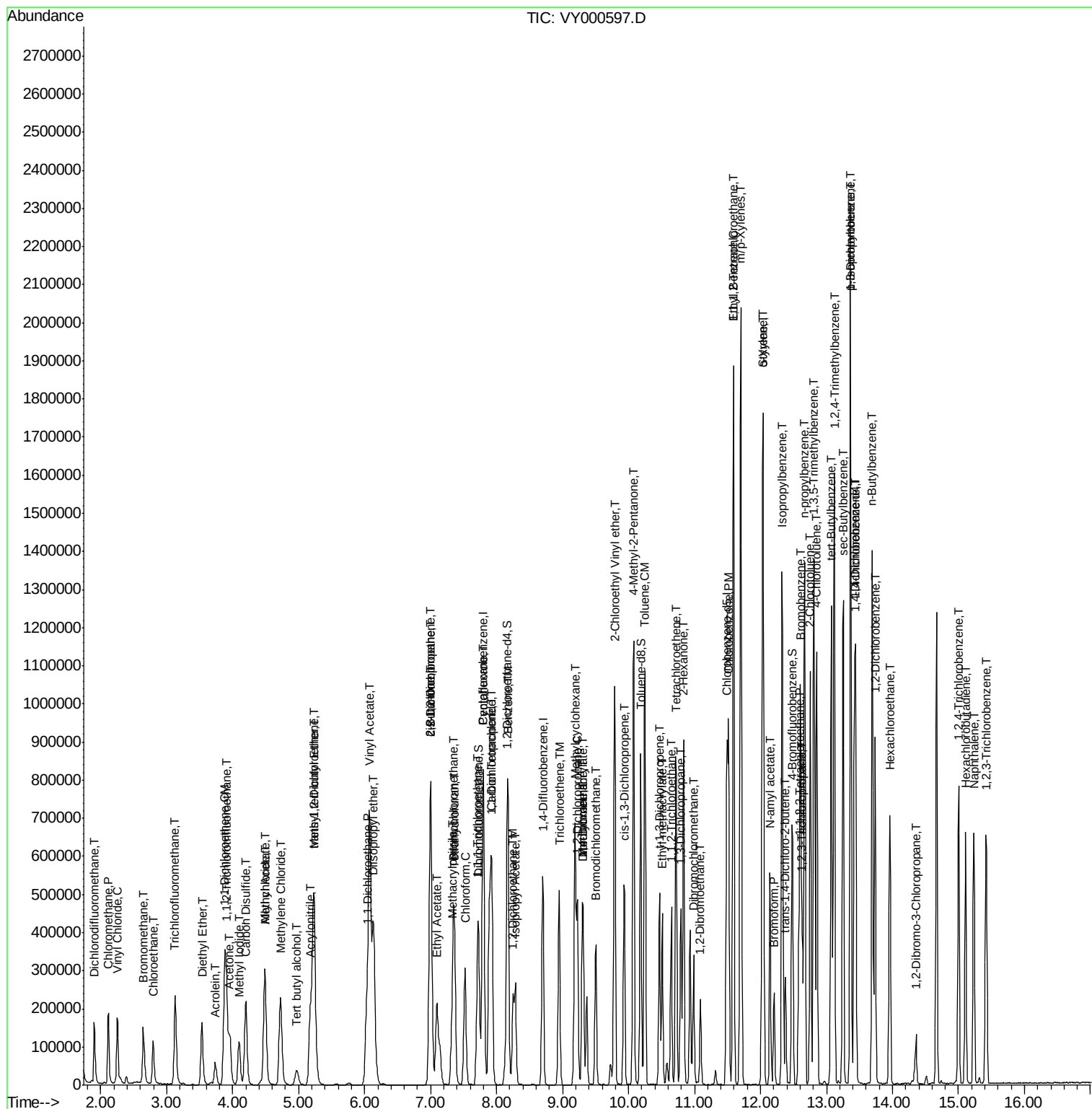
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
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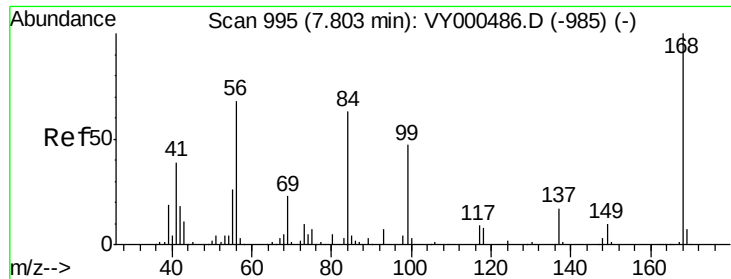
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 264691

Ion Ratio Lower Upper

168 100

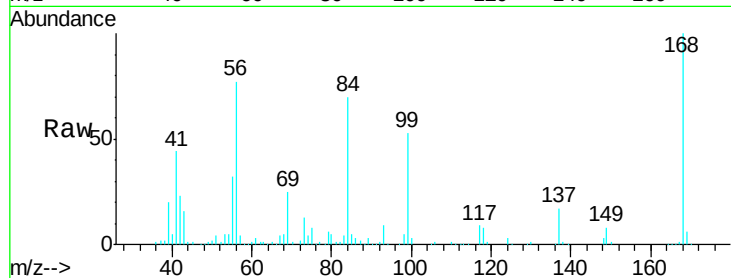
99 53.1 45.7 68.5

Manual Integrations

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11/8/2019 4:07:15 PM



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

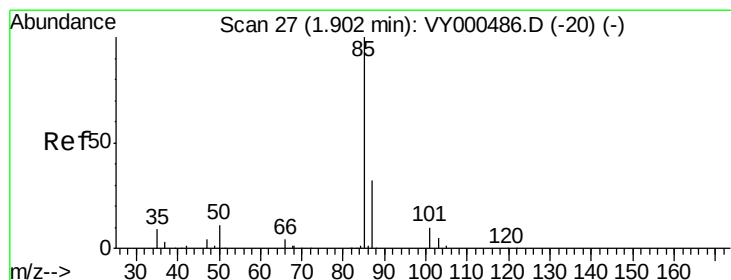
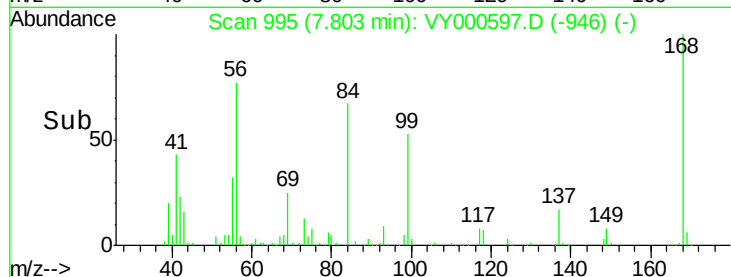
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.285 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000597.D

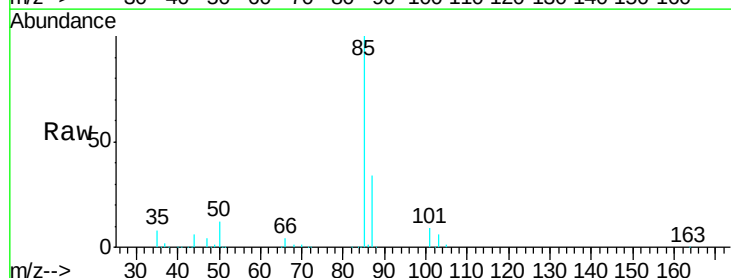
Acq: 07 Nov 2019 22:03

Tgt Ion: 85 Resp: 136233

Ion Ratio Lower Upper

85 100

87 34.1 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) (-)

1.90

100000

80000

60000

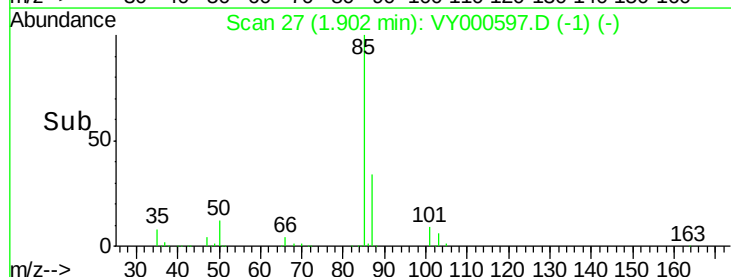
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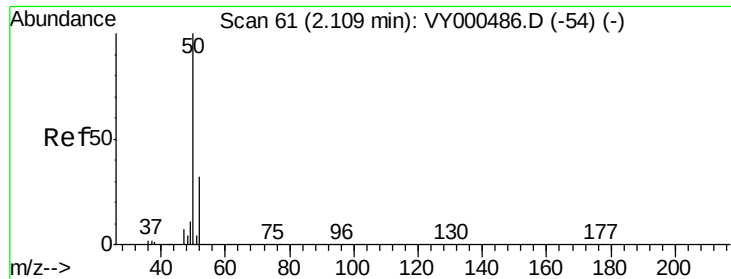
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.070 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 186900

Ion Ratio Lower Upper

50 100

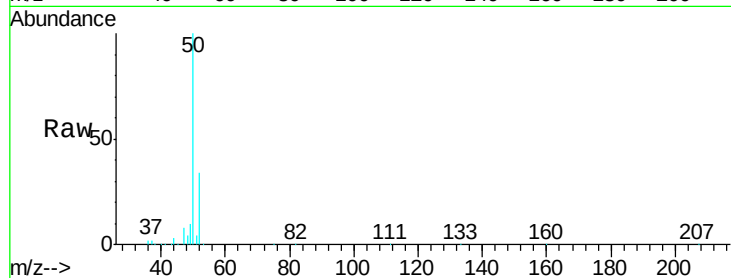
52 33.6 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

120000

100000

80000

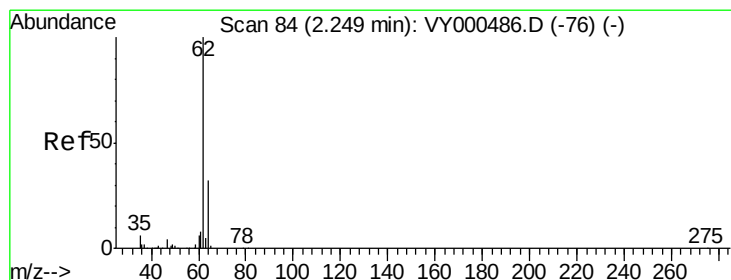
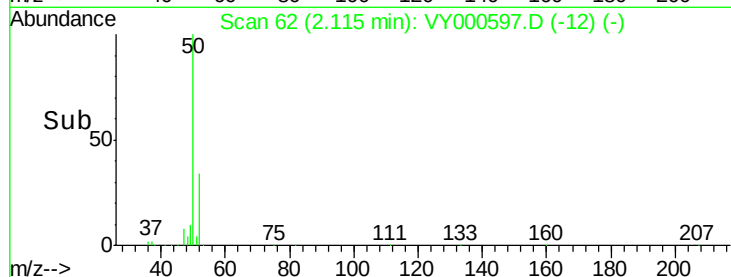
60000

40000

20000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 52.467 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000597.D

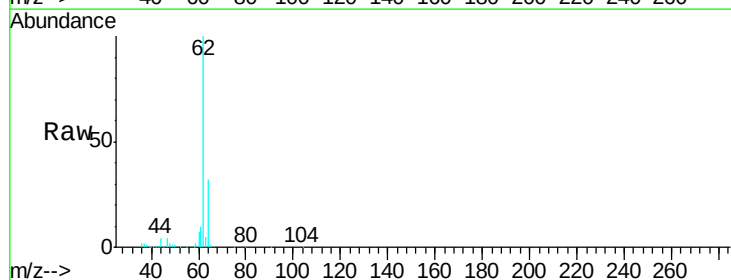
Acq: 07 Nov 2019 22:03

Tgt Ion: 62 Resp: 174880

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

120000

100000

80000

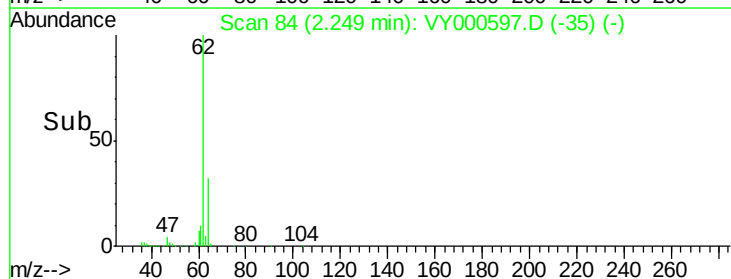
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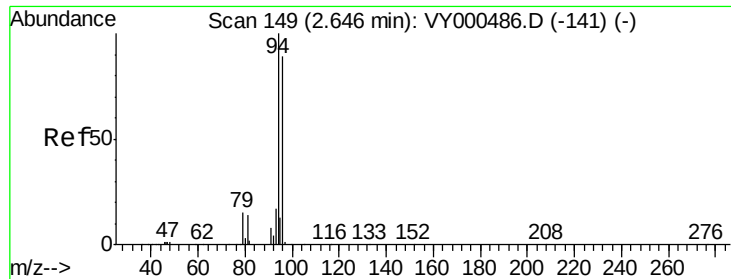
40000

20000

0

Time--> 2.15 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 56.971 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 113872

Ion Ratio Lower Upper

94 100

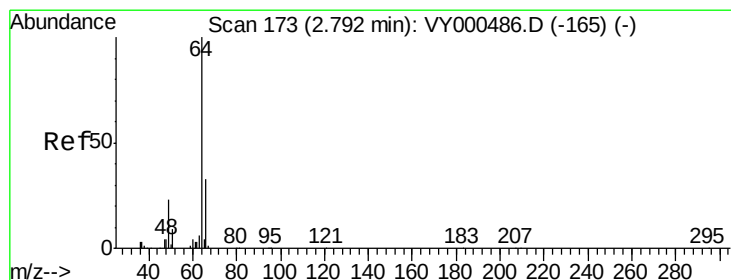
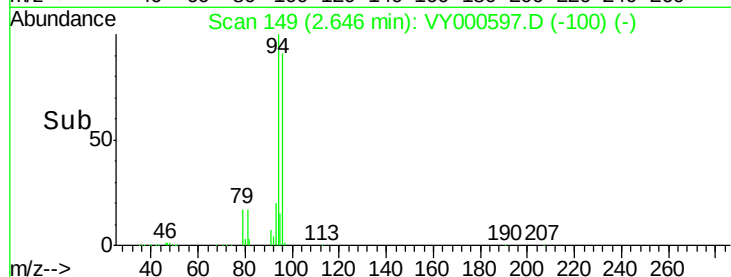
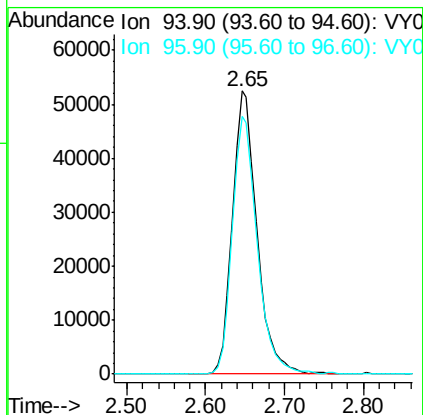
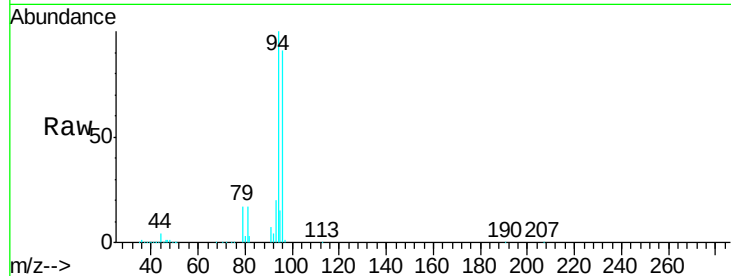
96 91.2 71.2 106.8

Manual Integrations

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#6

Chloroethane

Concen: 55.133 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000597.D

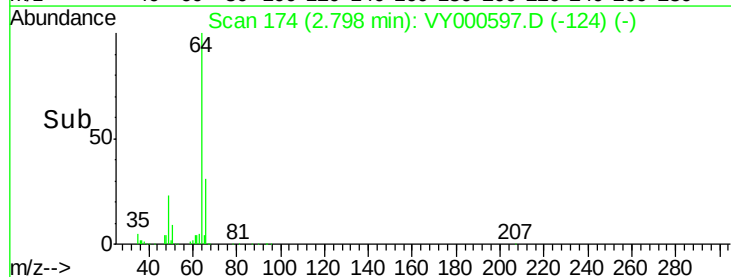
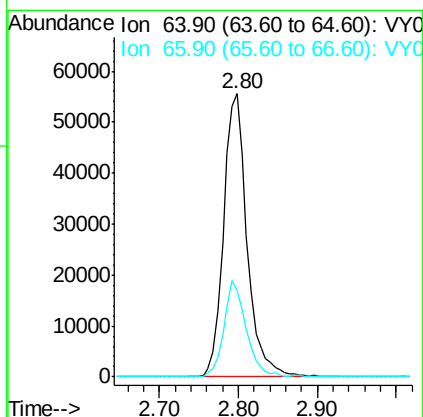
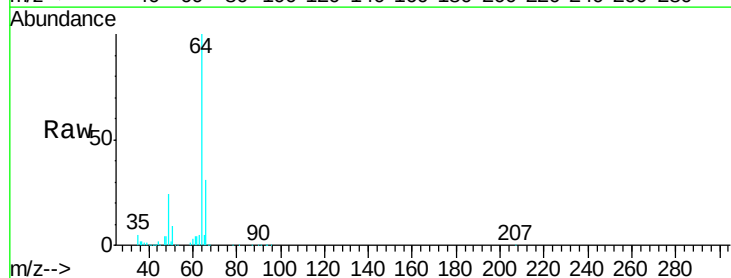
Acq: 07 Nov 2019 22:03

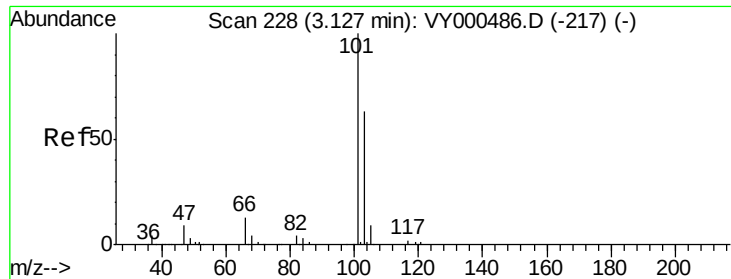
Tgt Ion: 64 Resp: 115013

Ion Ratio Lower Upper

64 100

66 30.6 26.6 40.0





#7

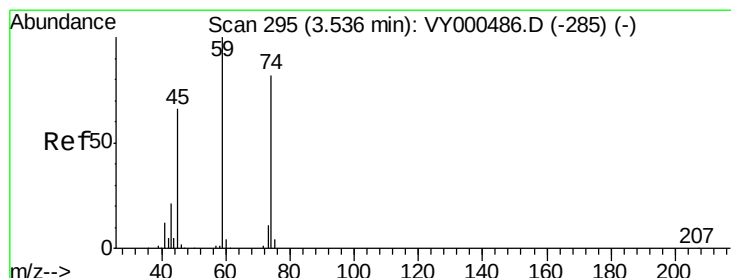
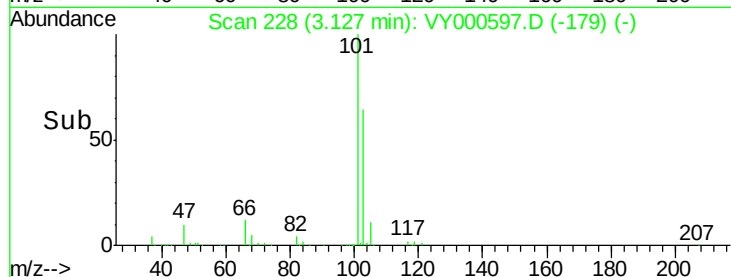
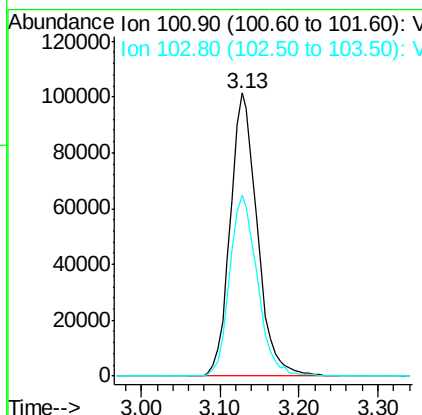
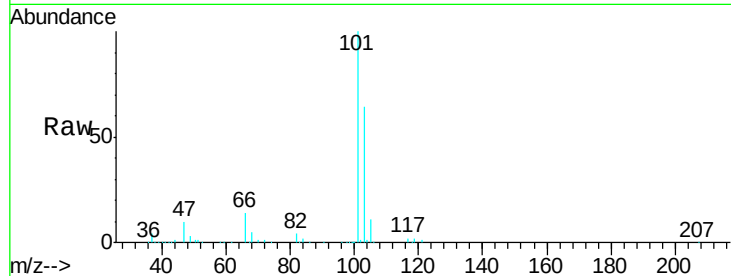
Trichlorofluoromethane
 Concen: 53.739 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	241902		
103	64.1	50.5	75.7	

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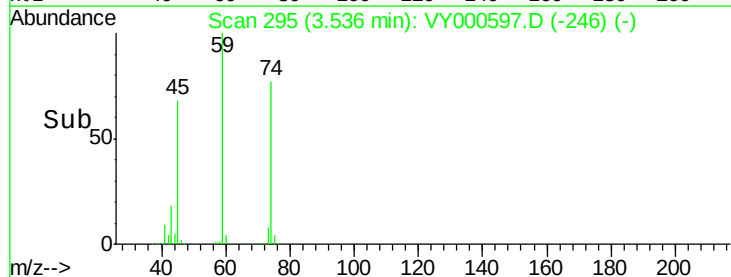
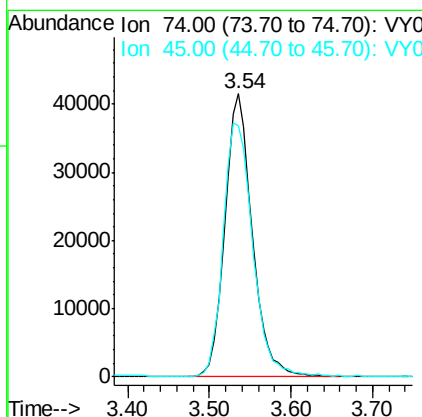
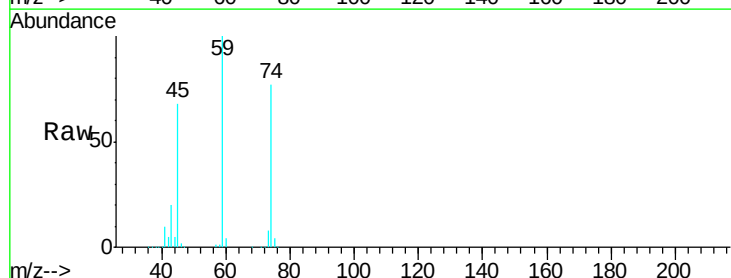
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 11/8/2019 4:07:15 PM

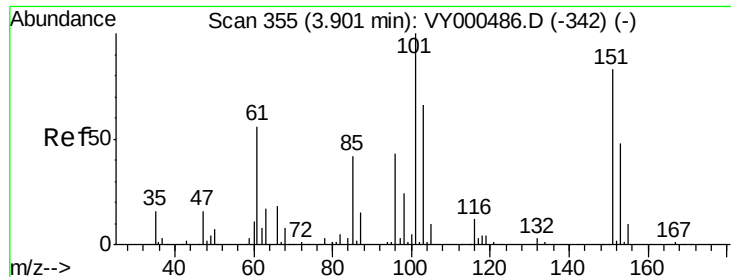


#8

Diethyl Ether
 Concen: 59.972 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	95922		
45	97.4	45.5	136.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.101 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

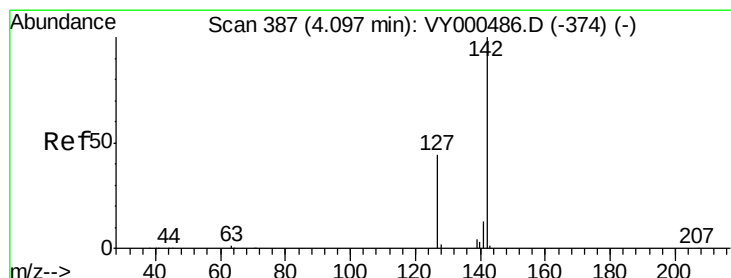
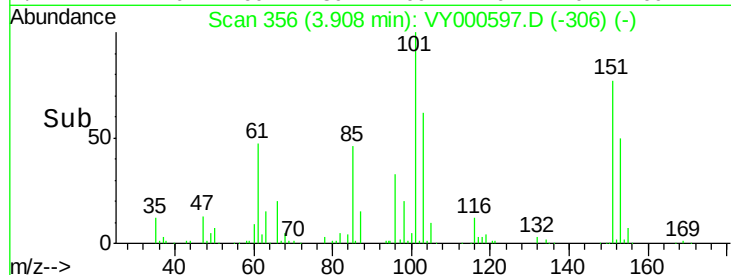
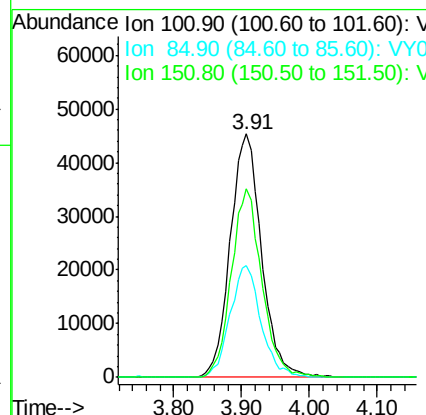
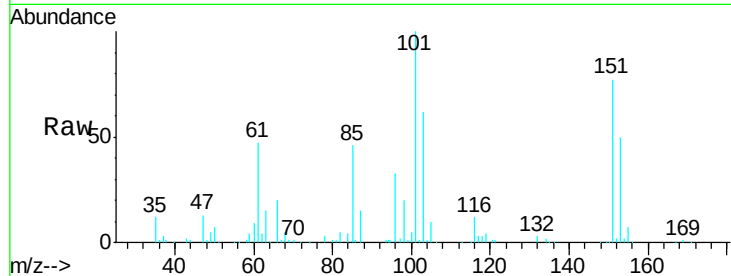
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	144507
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.7	55.1
151	75.2	64.3	96.5

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#10

Methyl Iodide

Concen: 52.411 ug/l

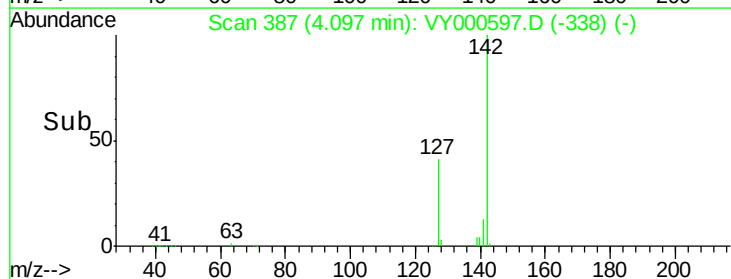
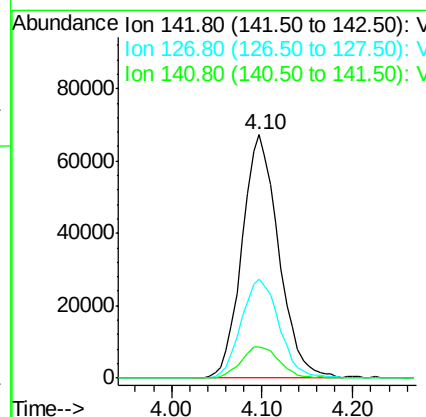
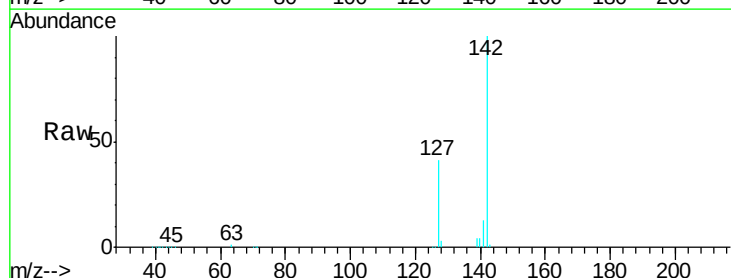
RT: 4.10 min Scan# 387

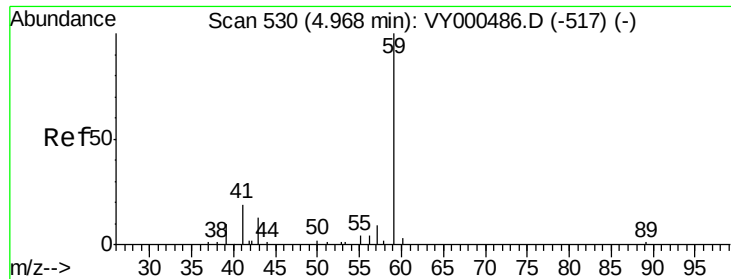
Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	142	Resp:	188329
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	13.4	10.9	16.3





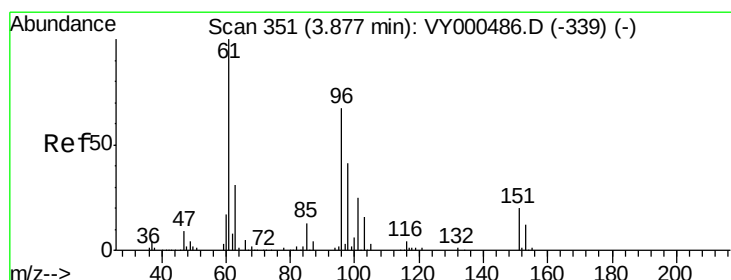
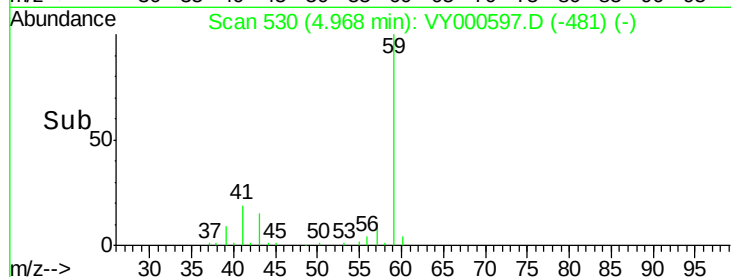
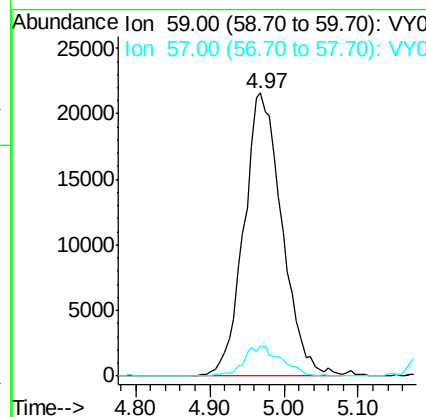
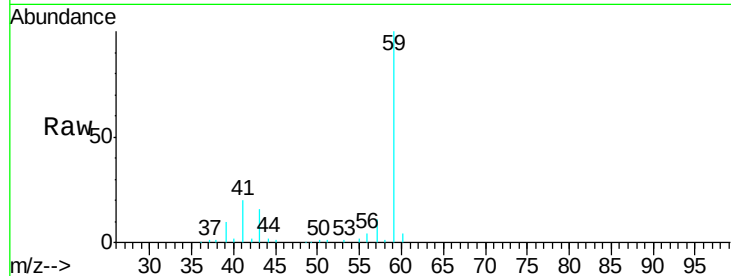
#11
Tert butyl alcohol
Concen: 290.728 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 77521
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

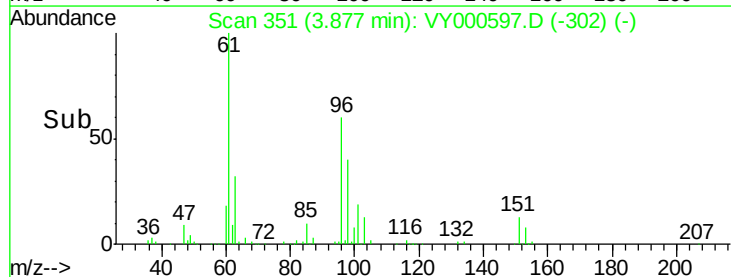
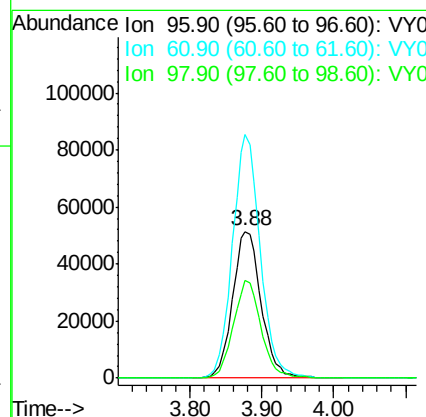
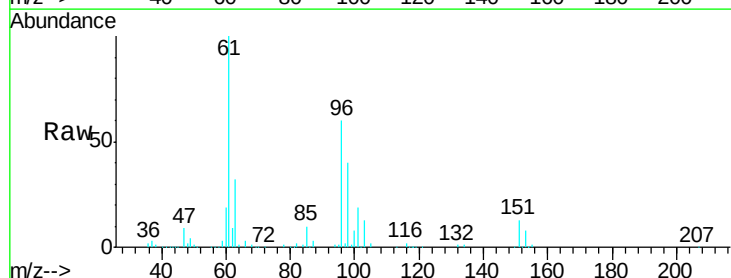
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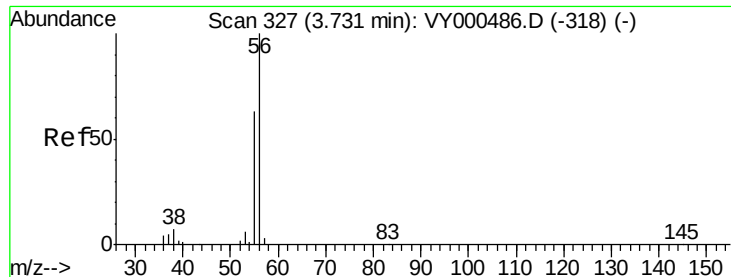
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.342 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 96 Resp: 141034
Ion Ratio Lower Upper
96 100
61 166.0 119.2 178.8
98 66.4 48.6 73.0





#13

Acrolein

Concen: 300.776 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 69859

Ion Ratio Lower Upper

56 100

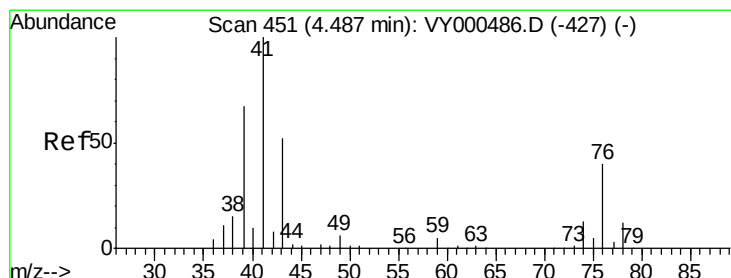
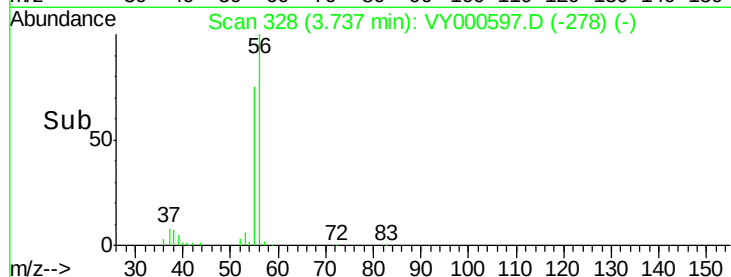
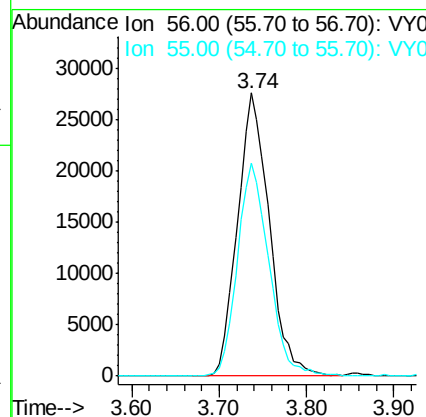
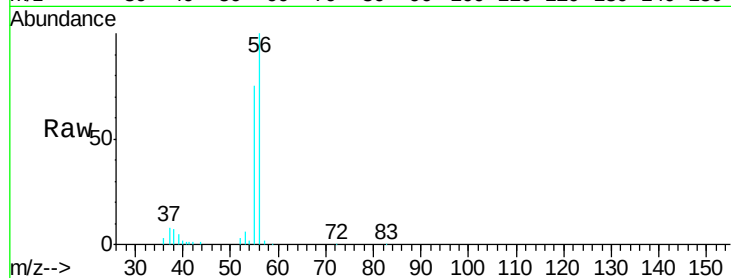
55 74.9 57.0 85.6

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#14

Allyl chloride

Concen: 60.272 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

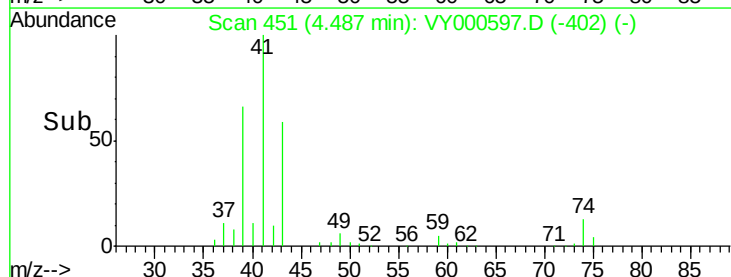
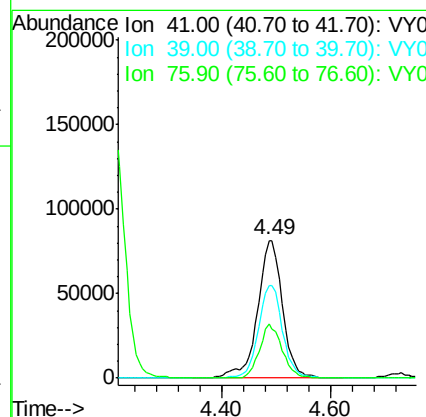
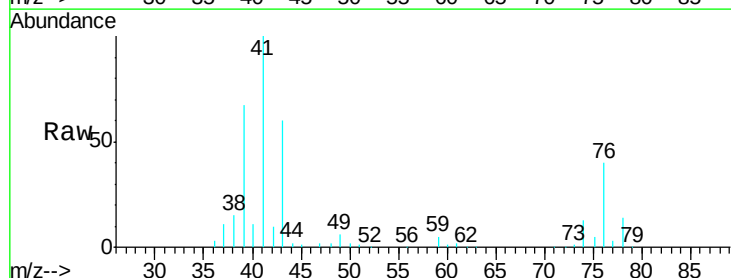
Tgt Ion: 41 Resp: 259126

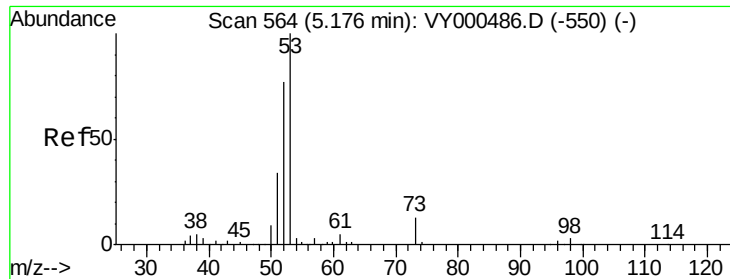
Ion Ratio Lower Upper

41 100

39 65.2 53.6 80.4

76 35.4 29.8 44.6





#15

Acrylonitrile

Concen: 309.213 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

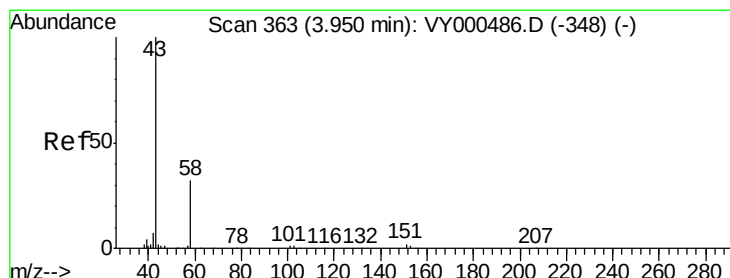
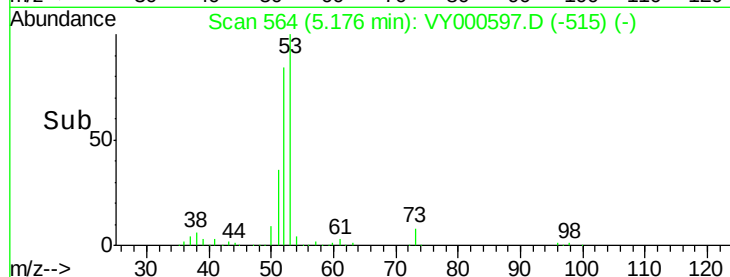
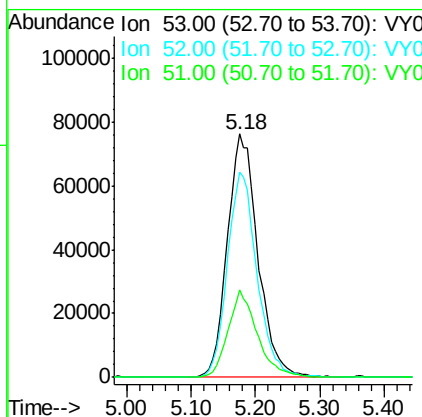
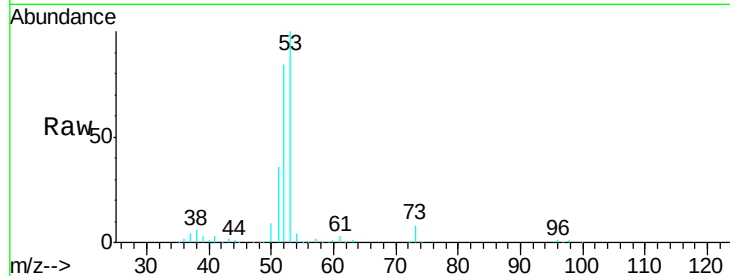
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	253353
Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.9	97.3
51	34.4	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 253.755 ug/l

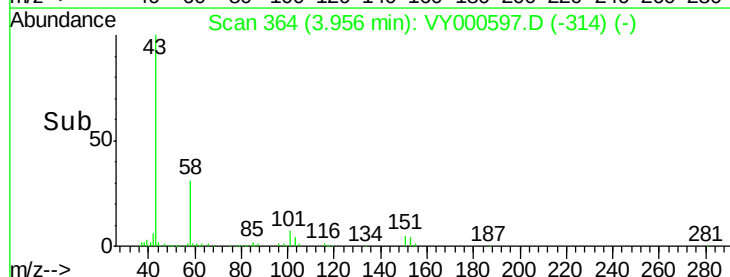
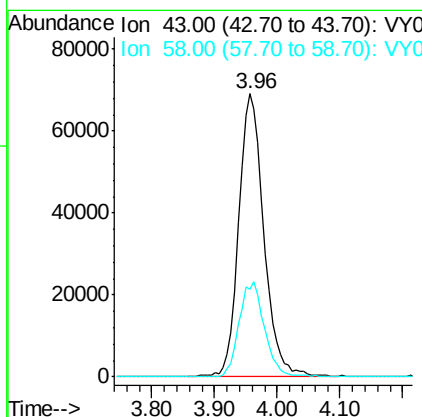
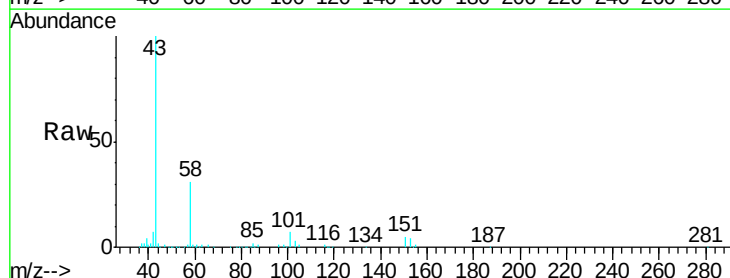
RT: 3.96 min Scan# 364

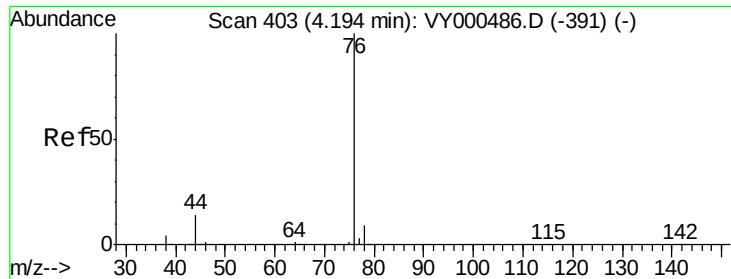
Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	43	Resp:	191574
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.8	38.6





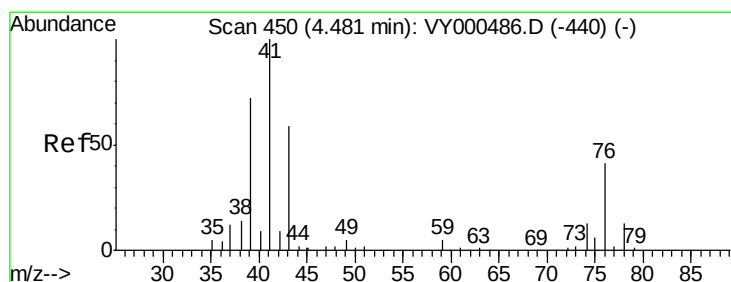
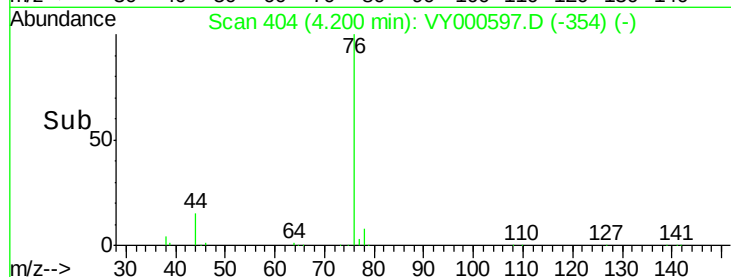
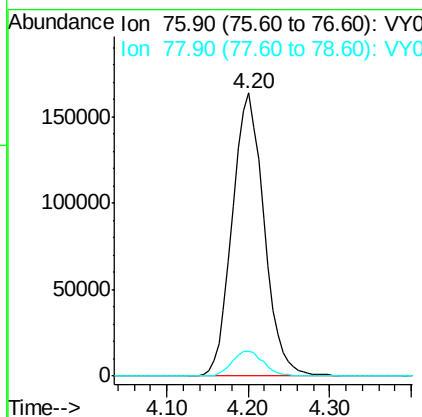
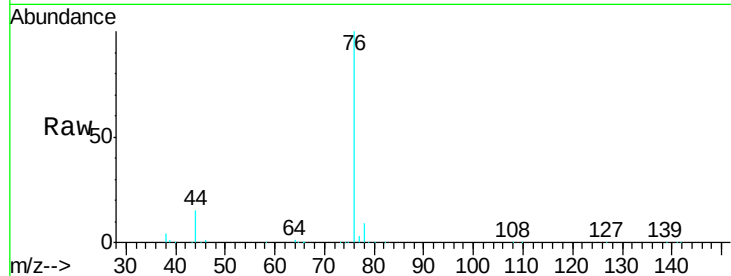
#17
Carbon Disulfide
Concen: 53.176 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 443442
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3

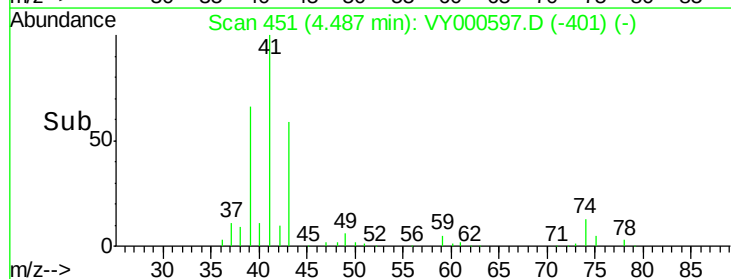
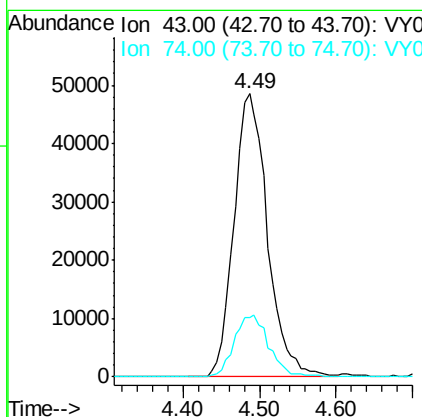
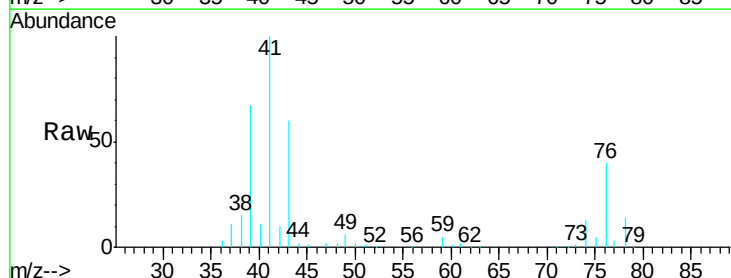
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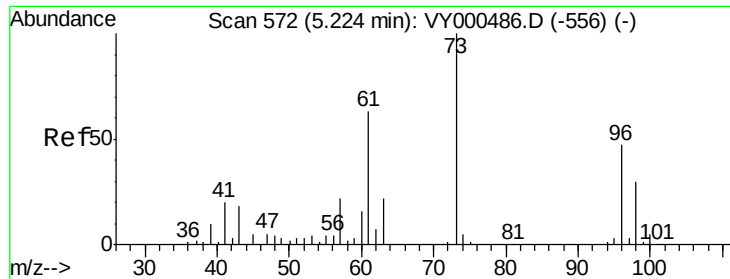
MMDadoda
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#18
Methyl Acetate
Concen: 62.786 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 43 Resp: 147386
Ion Ratio Lower Upper
43 100
74 22.5 19.2 28.8





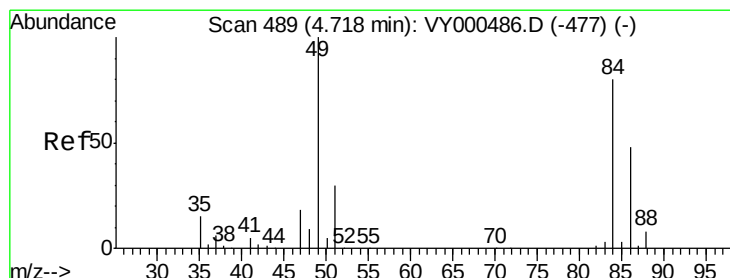
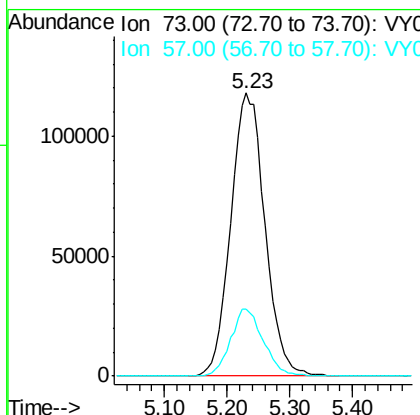
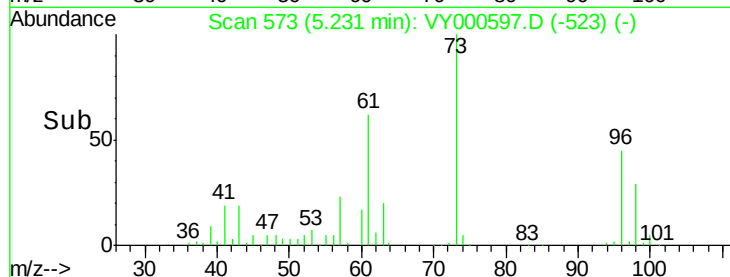
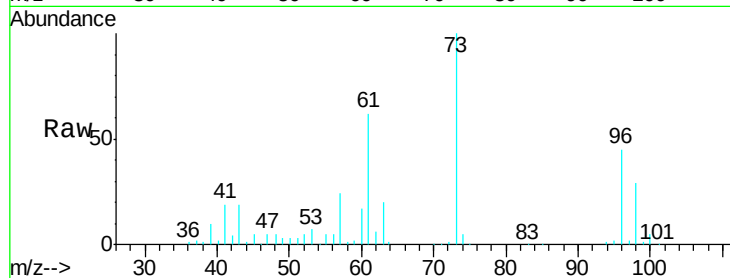
#19
Methyl tert-butyl Ether
Concen: 60.434 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 444268
Ion Ratio Lower Upper
73 100
57 23.5 17.4 26.0

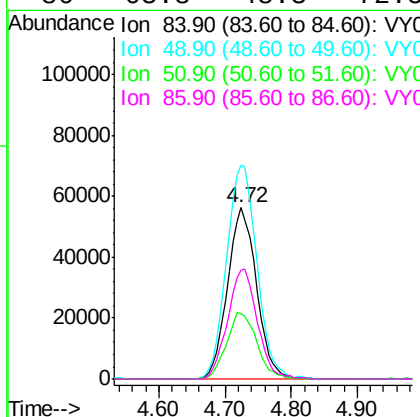
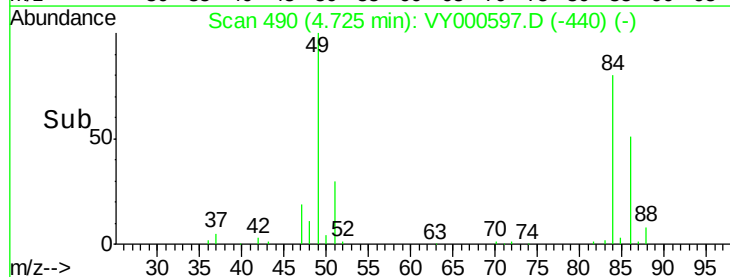
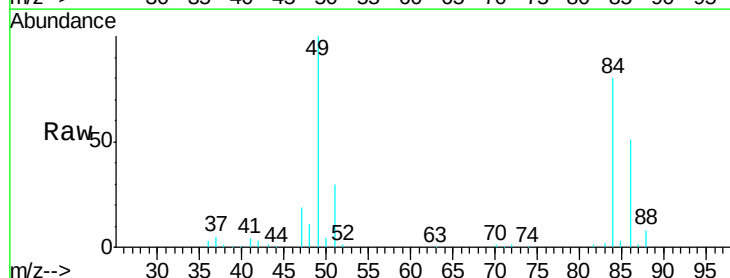
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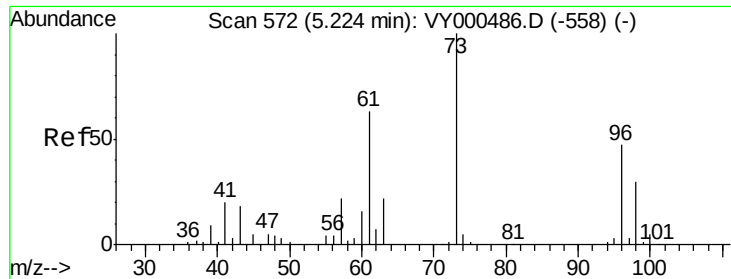
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#20
Methylene Chloride
Concen: 53.068 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 84 Resp: 171671
Ion Ratio Lower Upper
84 100
49 124.6 100.2 150.4
51 37.8 29.6 44.4
86 63.8 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 55.075 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

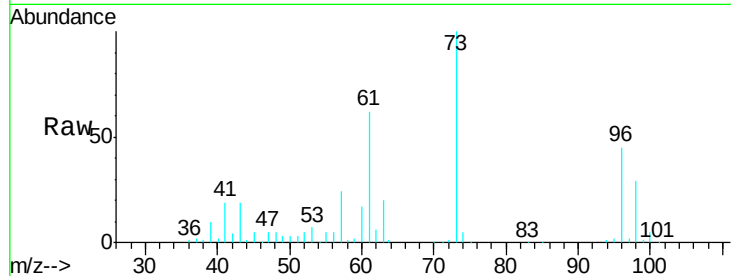
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	164625
Ion	Ratio	Lower	Upper
96	100		
61	138.0	106.6	160.0
98	63.6	50.6	76.0

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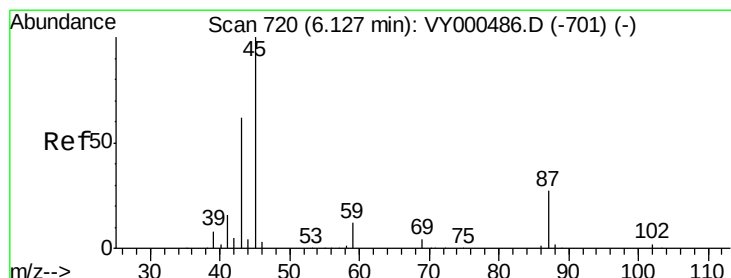
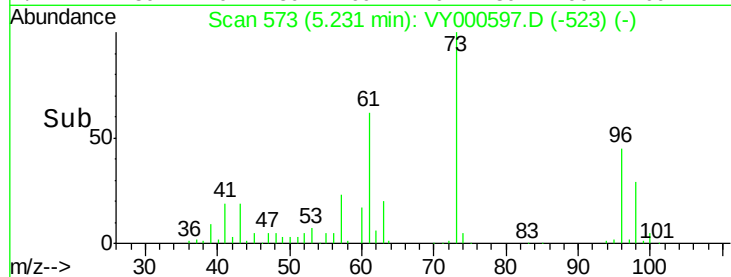
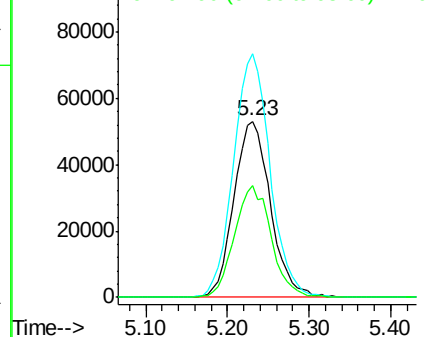


Abundance

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: 62.916 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	45	Resp:	587927
Ion	Ratio	Lower	Upper
45	100		
43	55.8	50.0	75.0
87	23.9	21.6	32.4
59	11.6	9.5	14.3

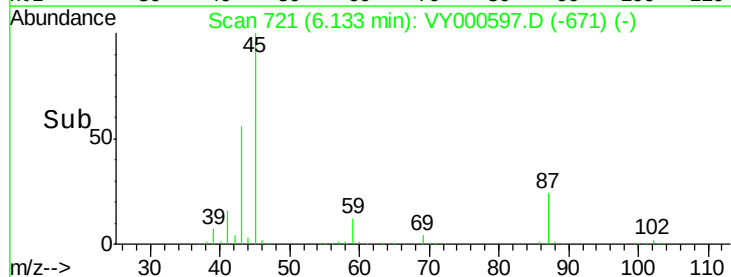
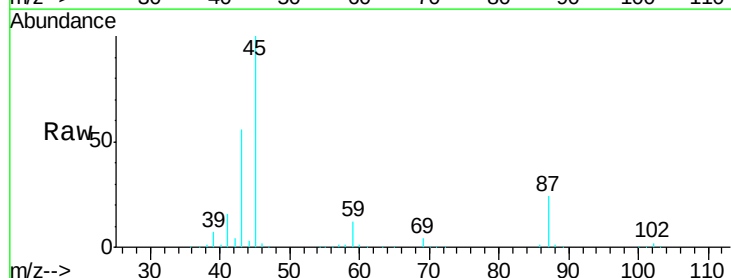
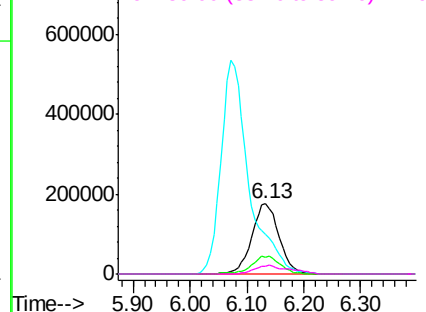
Abundance

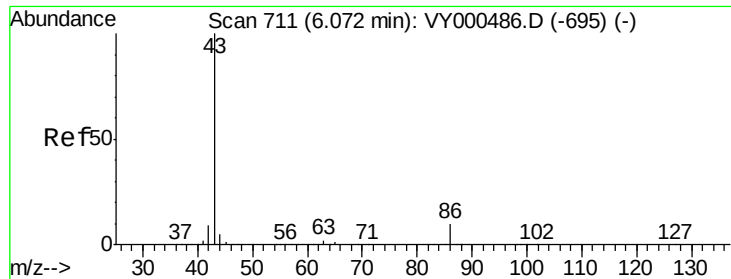
Ion 45.00 (44.70 to 45.70): VY0

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





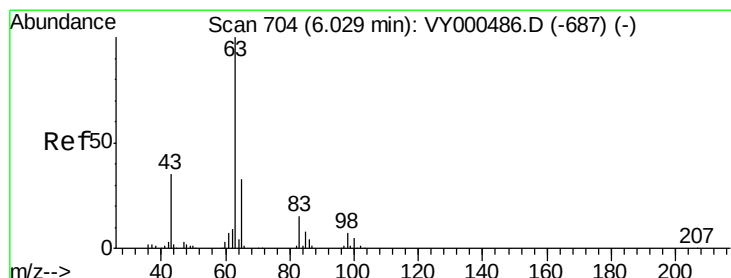
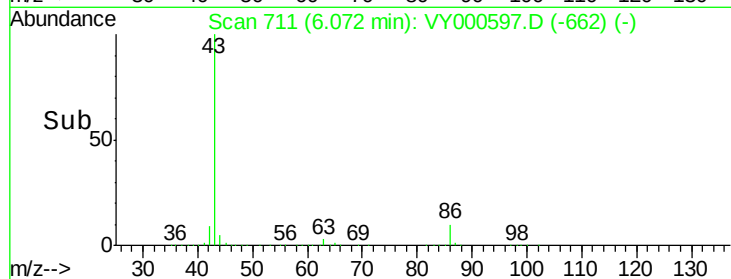
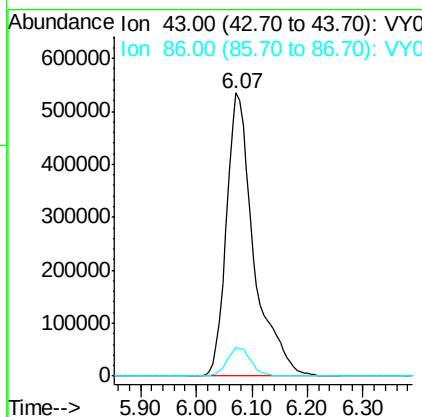
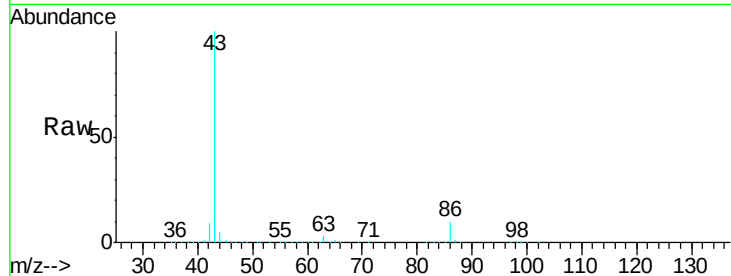
#23
 Vinyl Acetate
 Concen: 308.571 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1820201
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.6

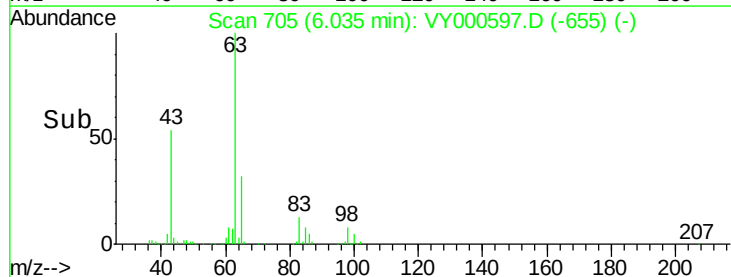
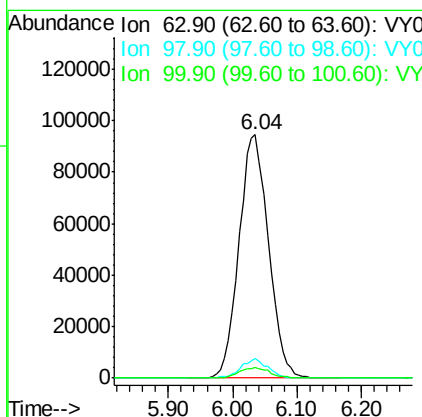
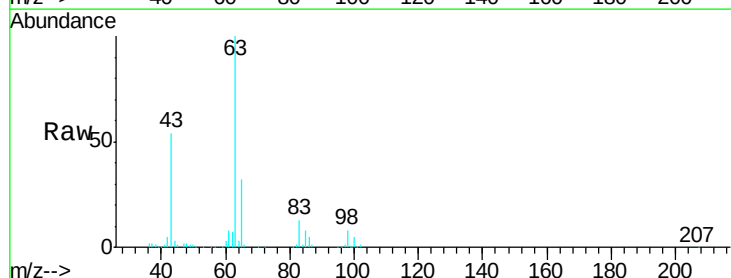
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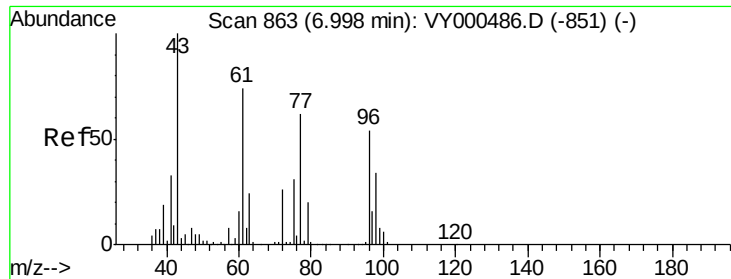
MMDadoda
 11/8/2019 4:07:15 PM



#24
 1,1-Dichloroethane
 Concen: 58.871 ug/l
 RT: 6.04 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion: 63 Resp: 298026
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.6
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 285.399 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tgt Ion: 43 Resp: 343867

Ion Ratio Lower Upper

43 100

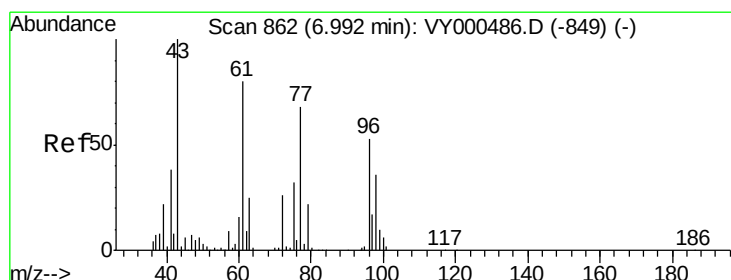
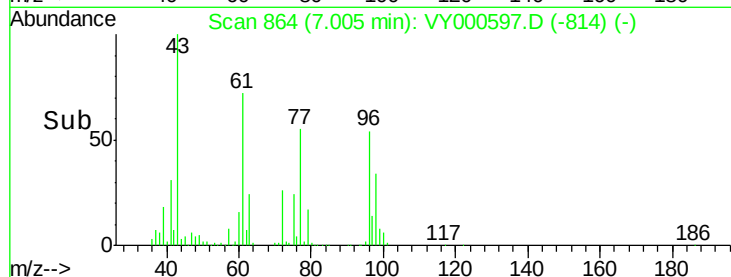
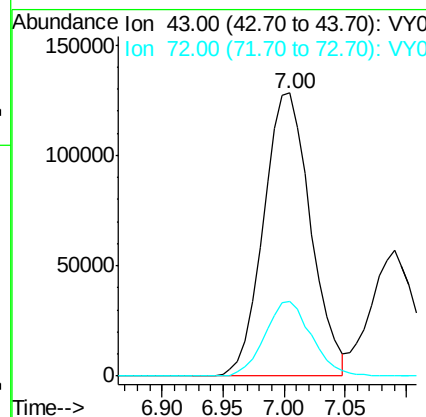
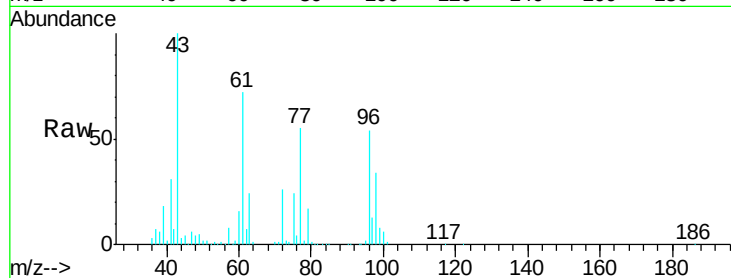
72 26.4 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.955 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000597.D

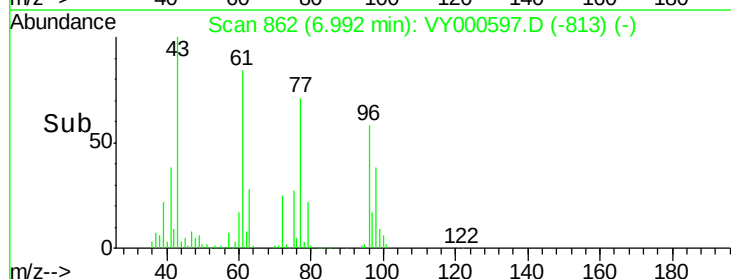
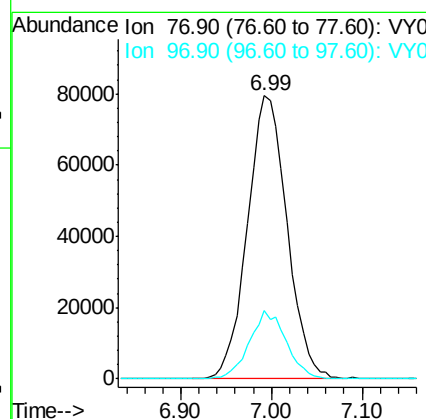
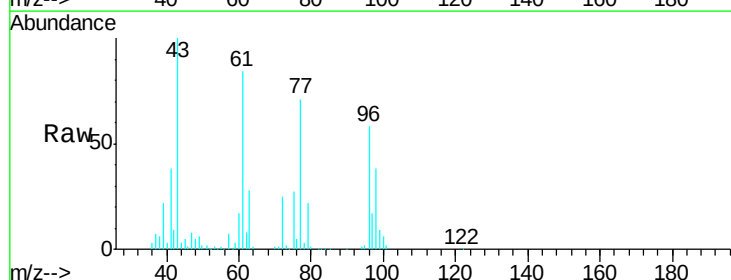
Acq: 07 Nov 2019 22:03

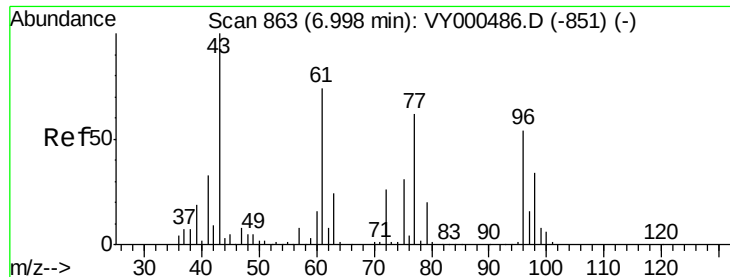
Tgt Ion: 77 Resp: 240362

Ion Ratio Lower Upper

77 100

97 22.3 11.8 35.4





#27

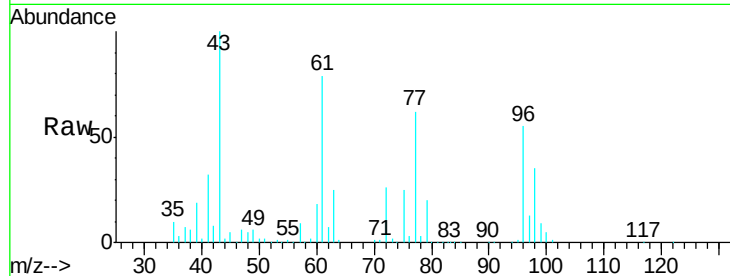
cis-1,2-Dichloroethene
Concen: 58.422 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

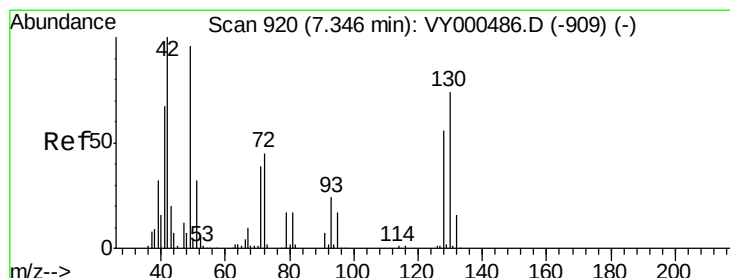
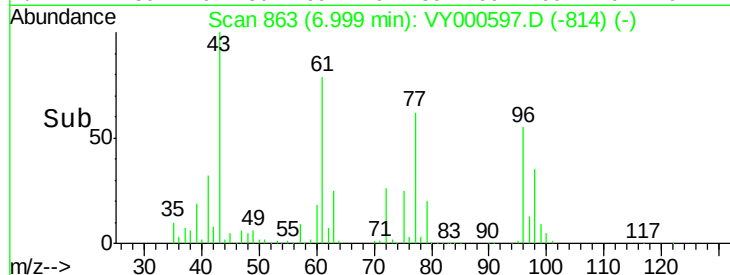
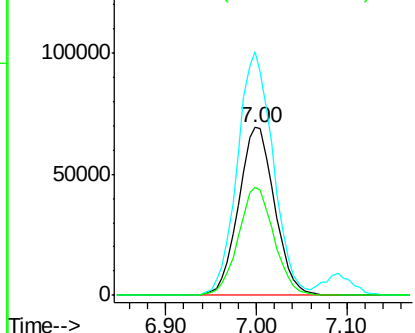
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	190950		
61	143.9	0.0	287.0	
98	63.6	0.0	129.4	

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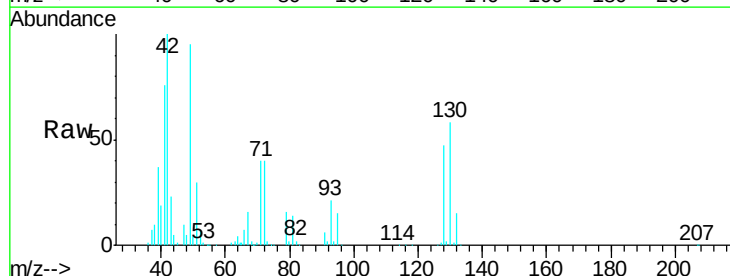
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



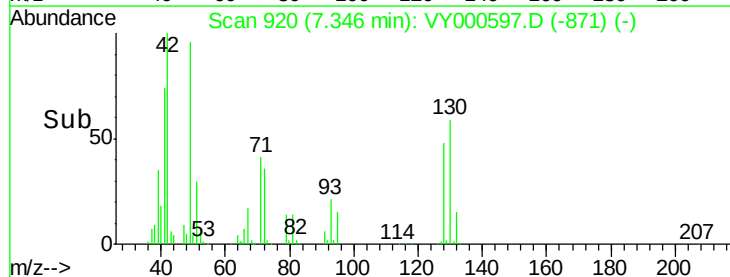
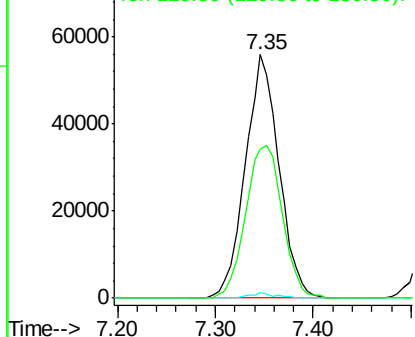
#28

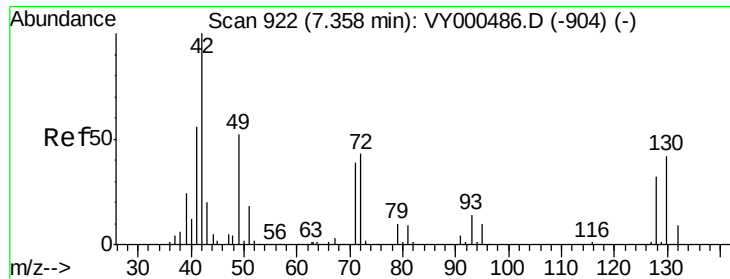
Bromochloromethane
Concen: 57.298 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133791		
129	1.8	0.0	3.6	
130	68.4	59.4	89.0	



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





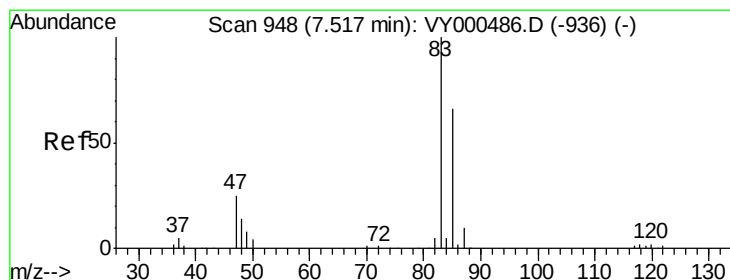
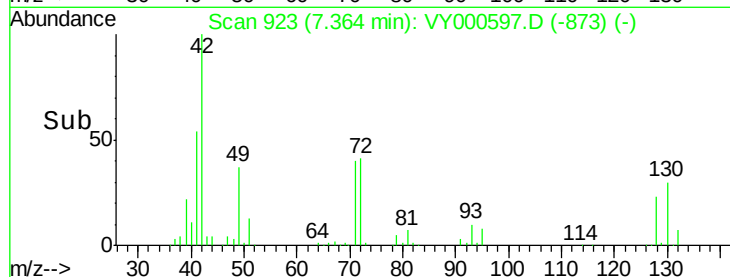
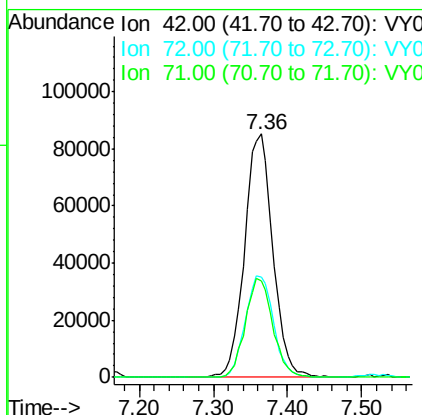
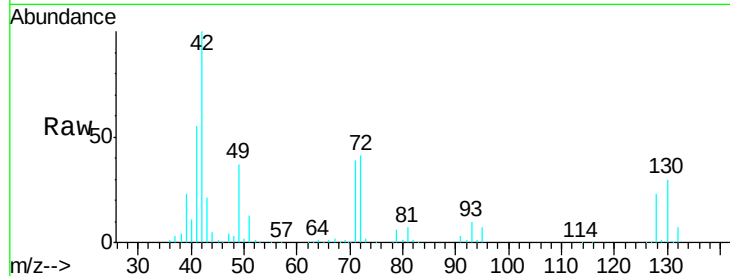
#29
Tetrahydrofuran
Concen: 308.612 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.0	51.0
71	39.4	30.8	46.2

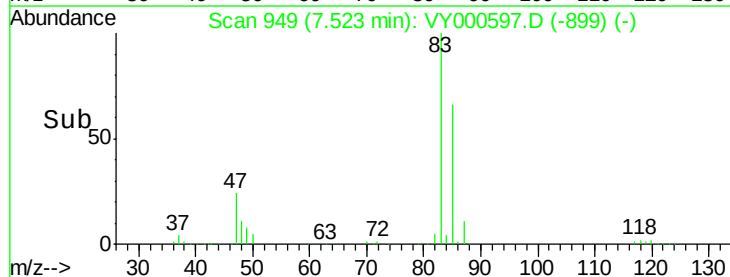
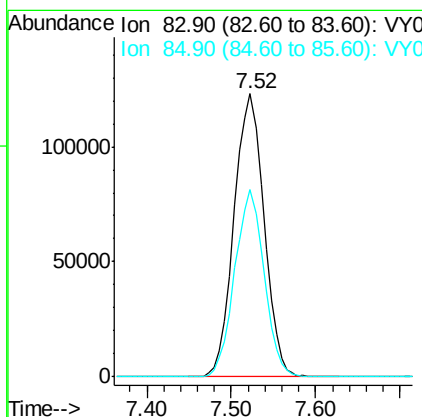
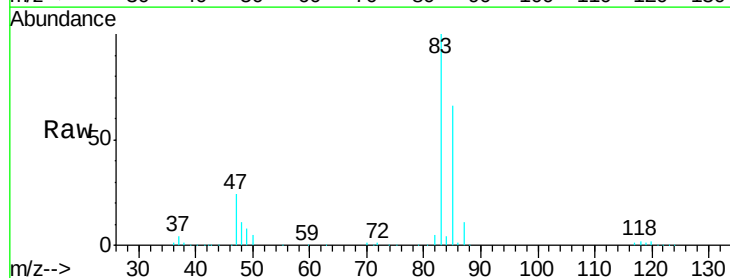
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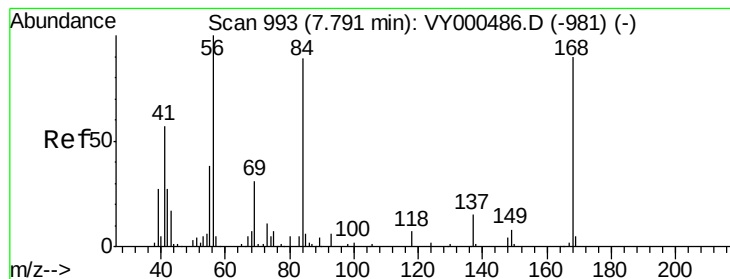
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#30
Chloroform
Concen: 57.771 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.0	79.4





#31

Cyclohexane

Concen: 52.228 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

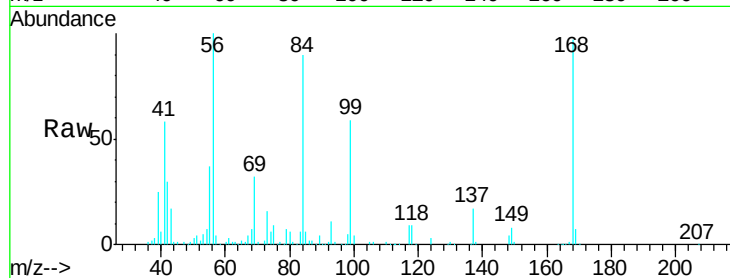
ClientSampleId :

VSTDCCC050

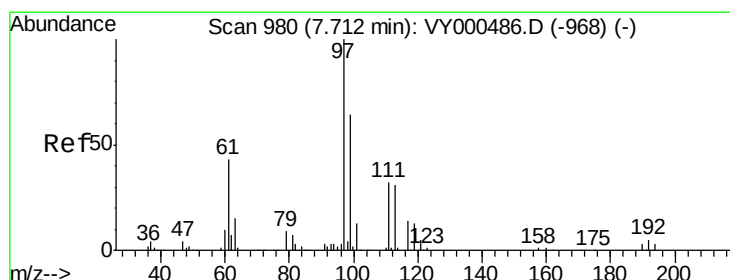
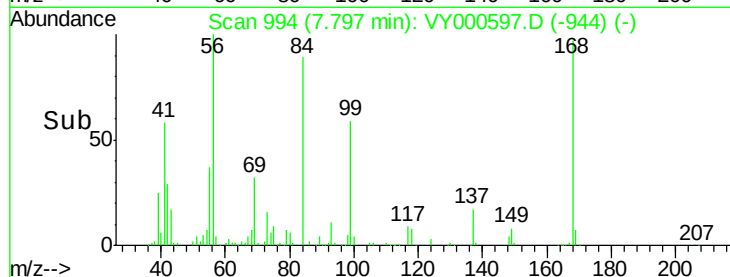
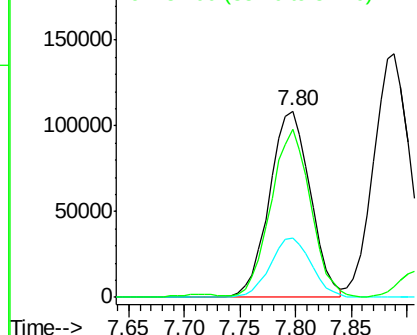
Tgt Ion:	56	Resp:	276924
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.0	37.6
84	88.6	71.4	107.2

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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: 55.569 ug/l

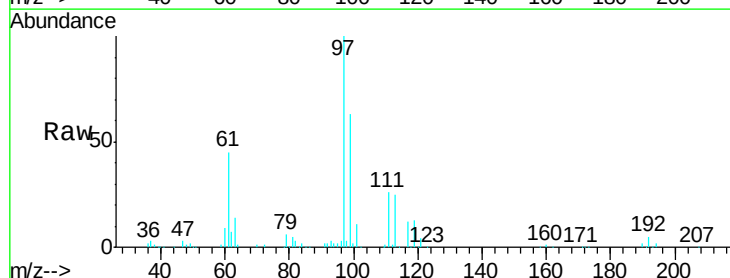
RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

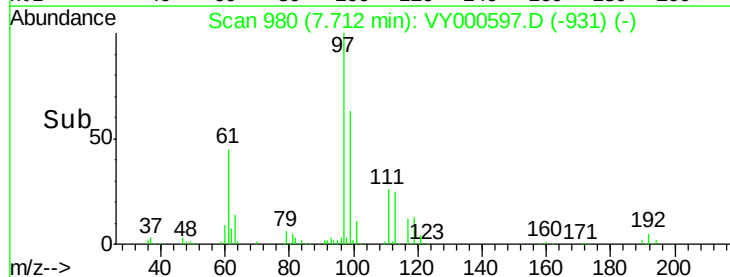
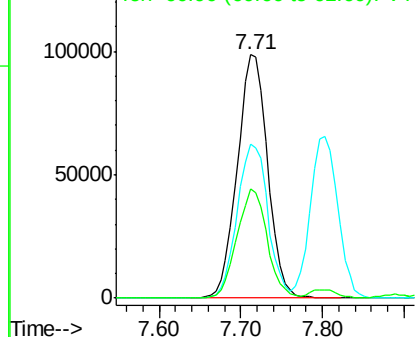
Lab File: VY000597.D

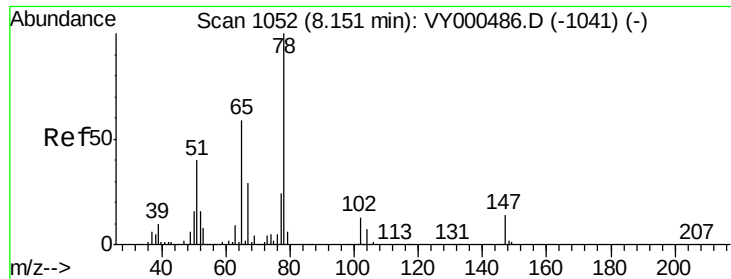
Acq: 07 Nov 2019 22:03

Tgt Ion:	97	Resp:	253624
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	44.6	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





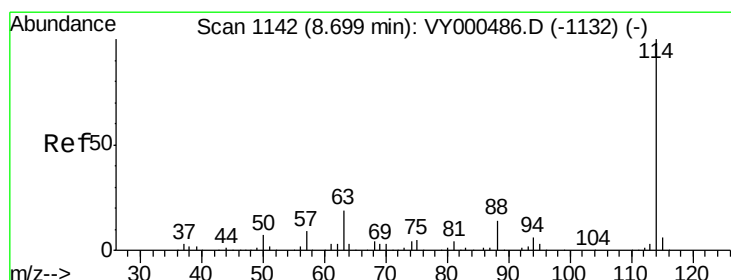
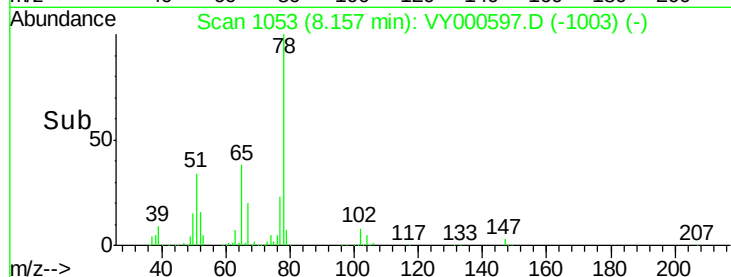
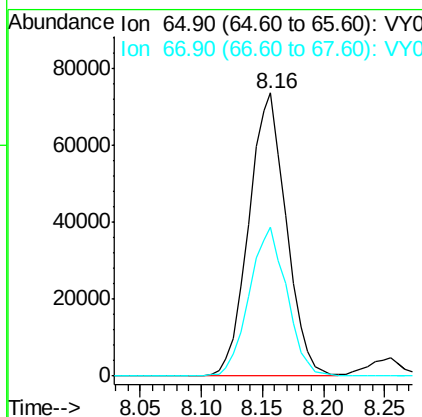
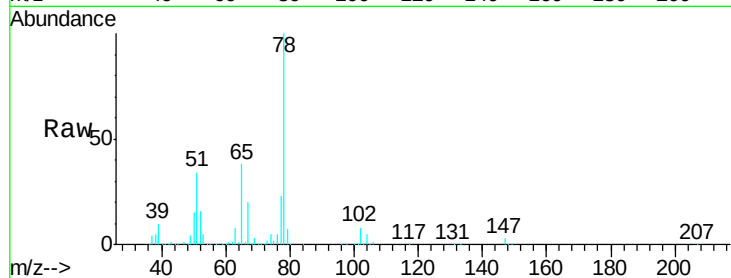
#33
 1,2-Dichloroethane-d4
 Concen: 57.349 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 157090
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2

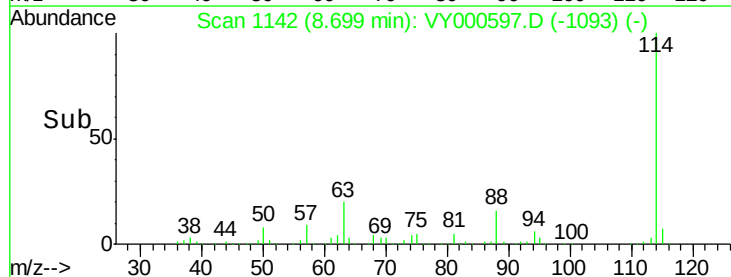
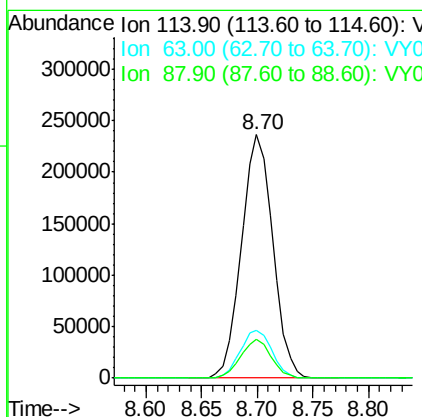
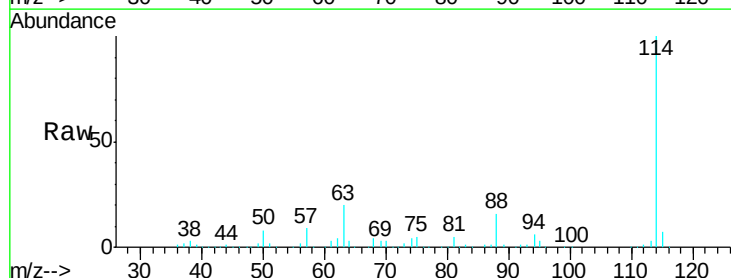
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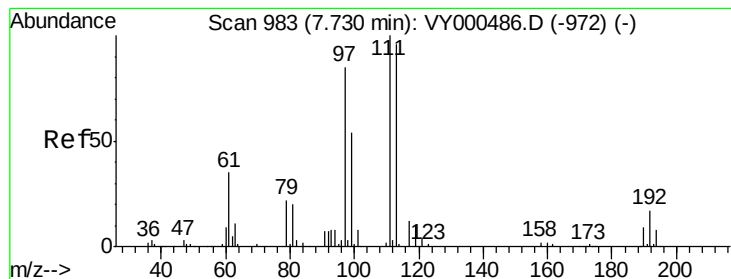
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion: 114 Resp: 462385
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 15.8 0.0 28.6





#35

Dibromofluoromethane

Concen: 49.604 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

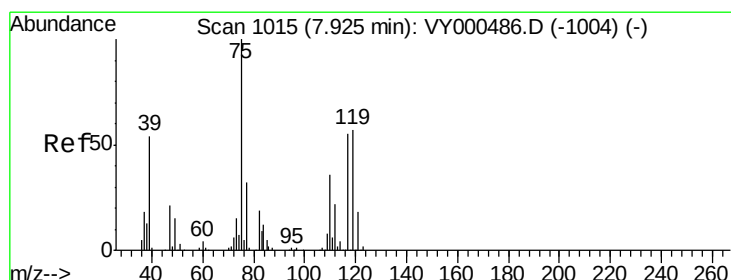
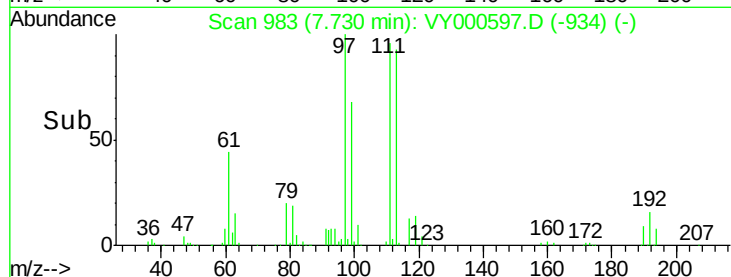
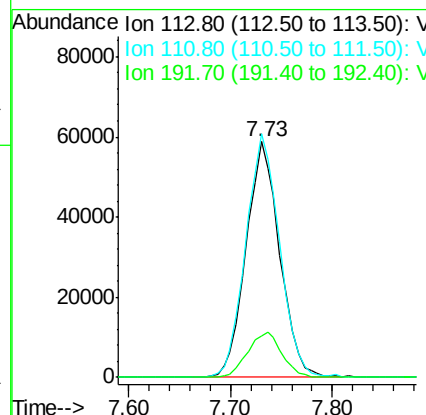
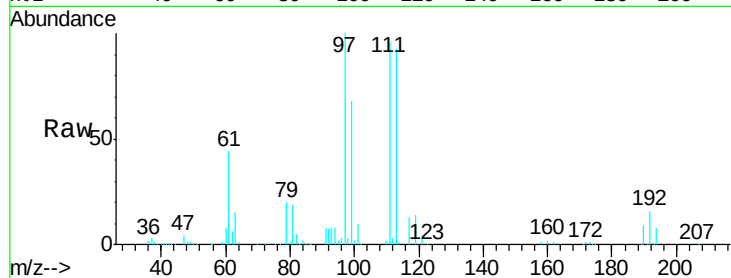
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	134649
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.7	122.5
192	19.4	15.0	22.4

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#36

1,1-Dichloropropene

Concen: 53.026 ug/l

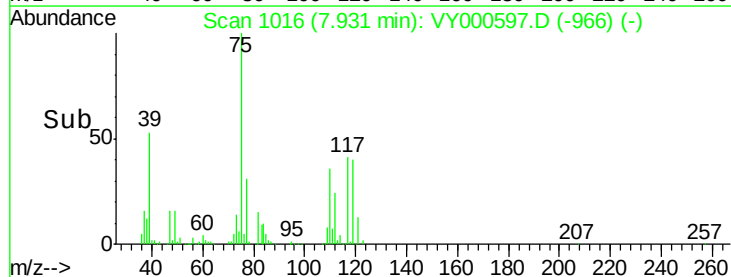
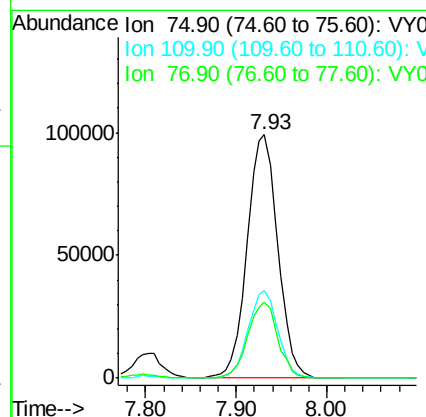
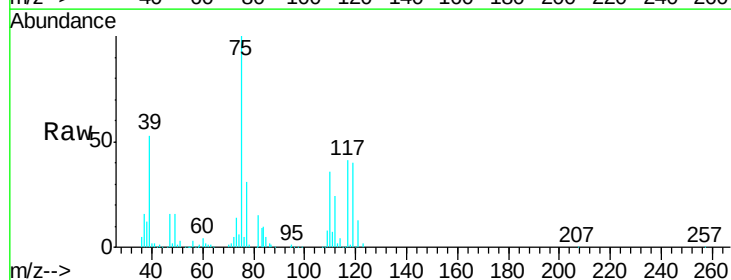
RT: 7.93 min Scan# 1016

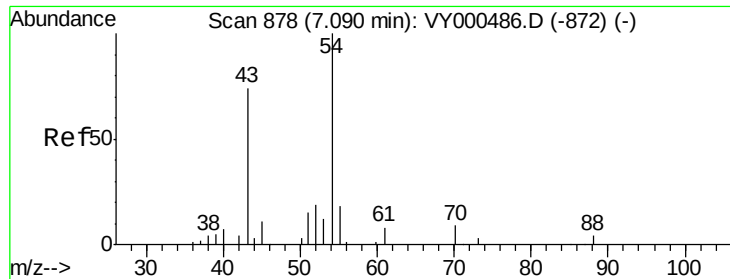
Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	75	Resp:	231786
Ion Ratio	Lower	Upper	
75	100		
110	34.9	18.1	54.1
77	30.6	25.0	37.6





#37

Ethyl Acetate

Concen: 57.627 ug/l

RT: 7.09 min Scan# 878

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

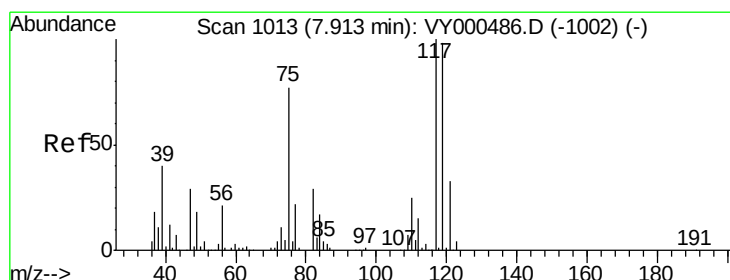
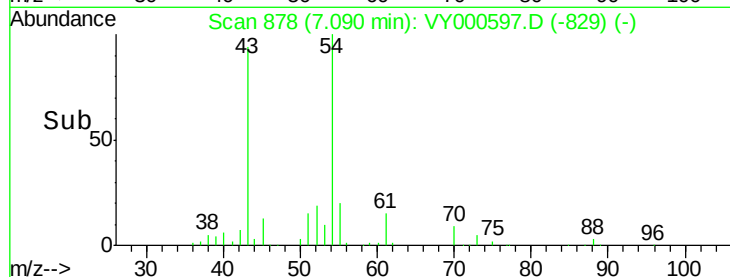
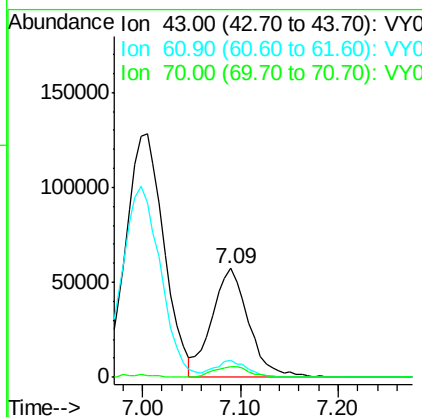
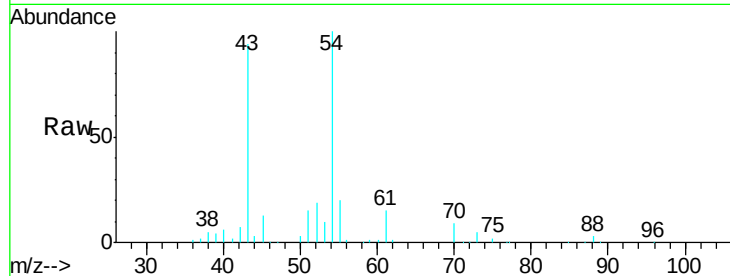
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	149552
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	10.0	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 52.317 ug/l

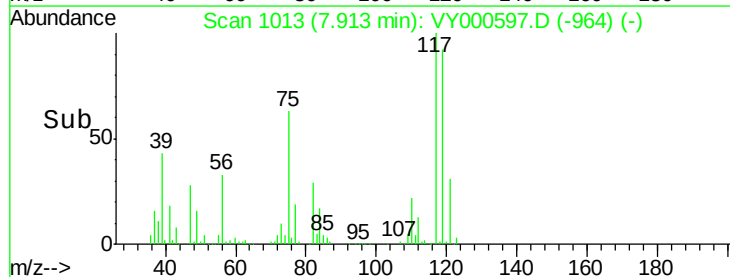
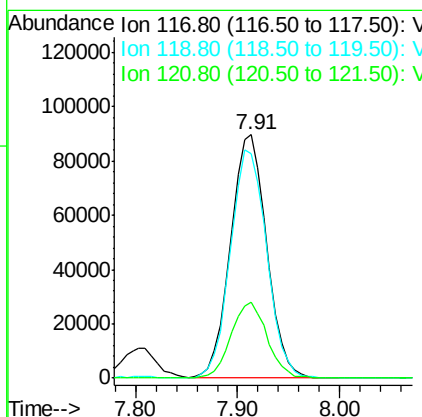
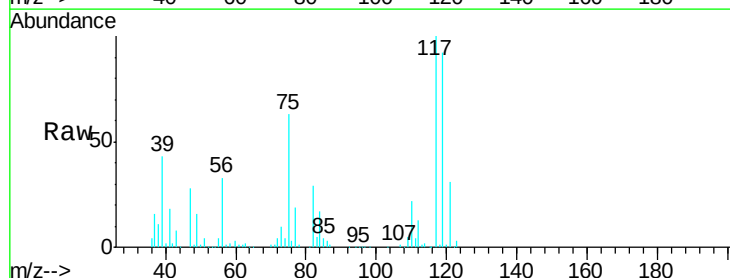
RT: 7.91 min Scan# 1013

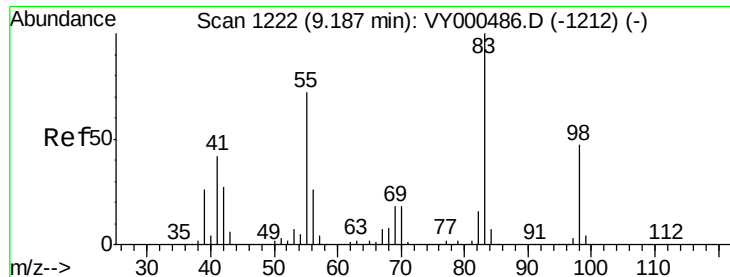
Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	117	Resp:	220049
Ion	Ratio	Lower	Upper
117	100		
119	92.0	78.0	117.0
121	31.3	26.6	40.0





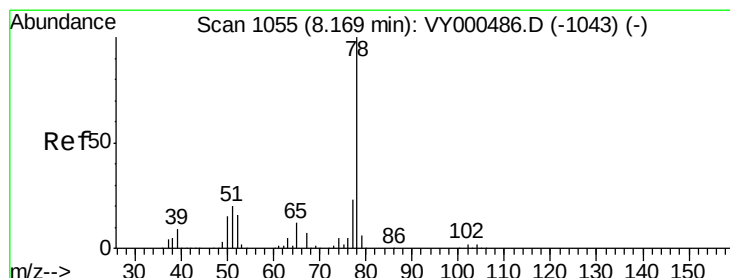
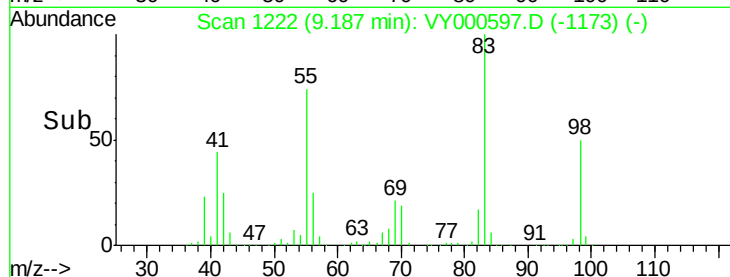
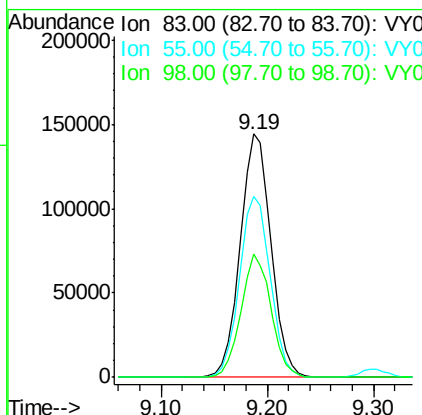
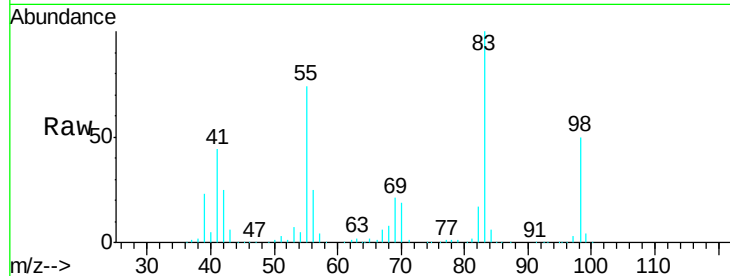
#39
Methylcyclohexane
Concen: 51.909 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	293144		
55	74.3	57.5	86.3	
98	50.5	38.0	57.0	

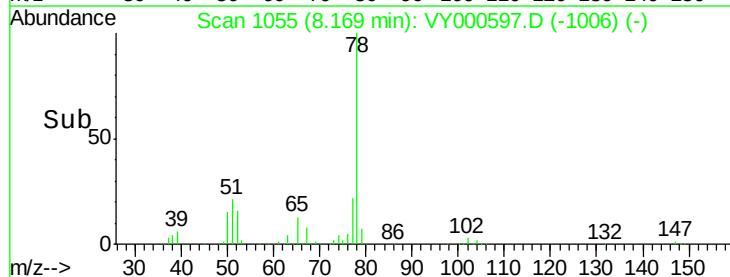
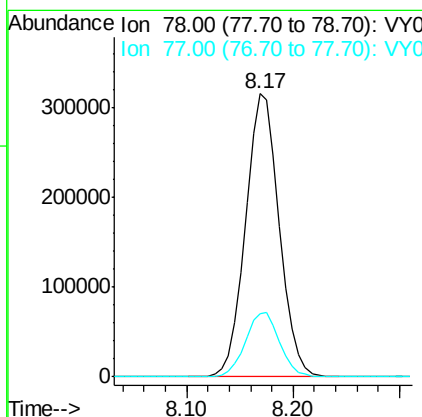
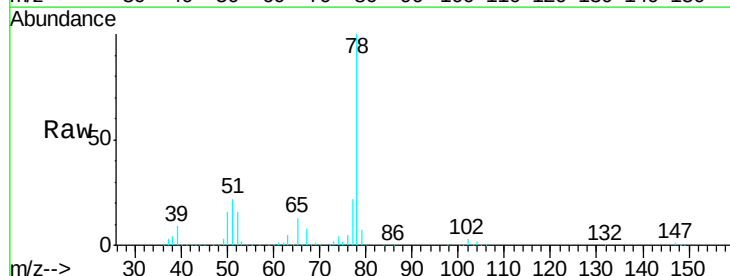
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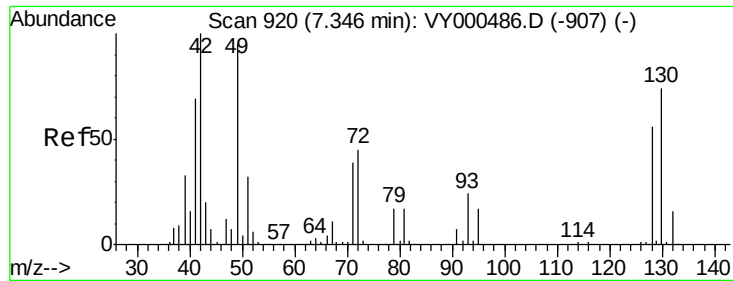
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#40
Benzene
Concen: 54.490 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	698304		
77	22.1	18.6	28.0	





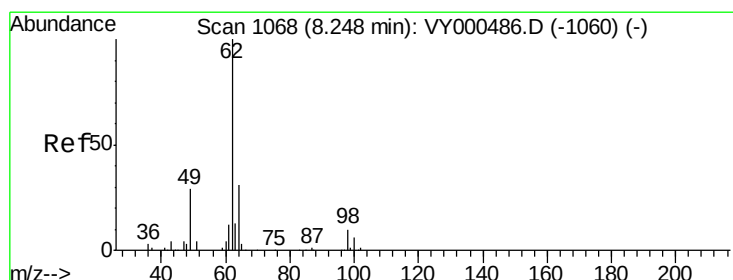
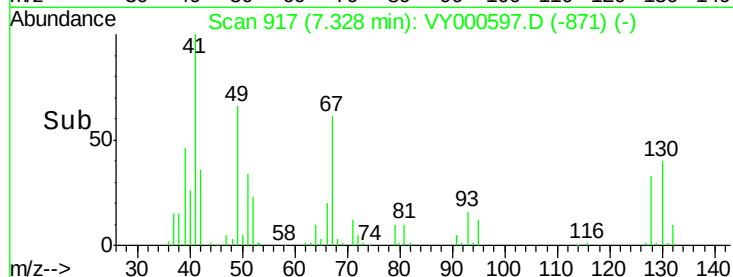
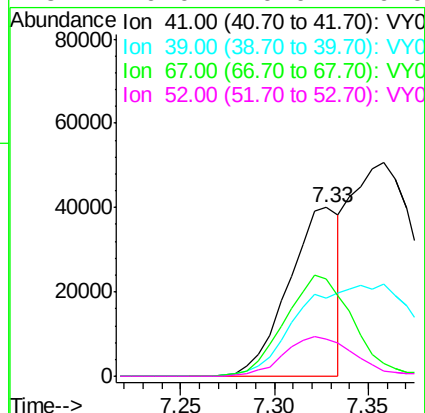
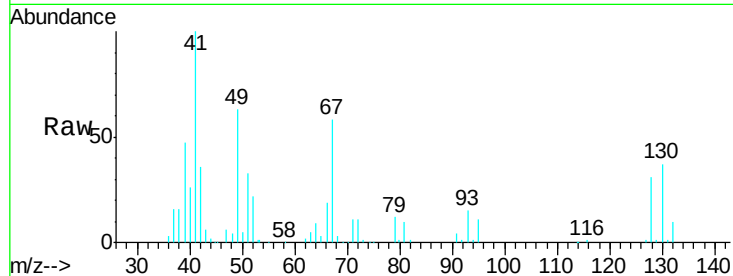
#41
Methacrylonitrile
Concen: 52.669 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	124.2	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

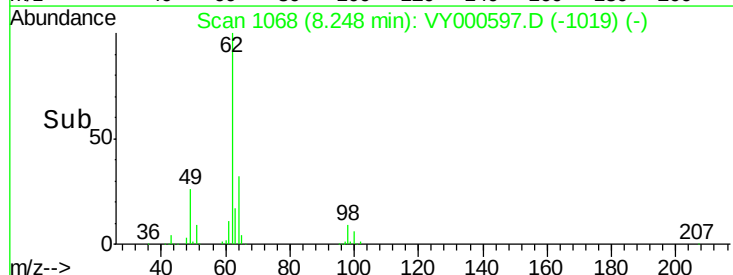
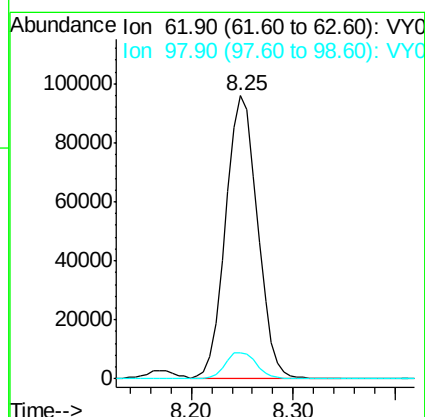
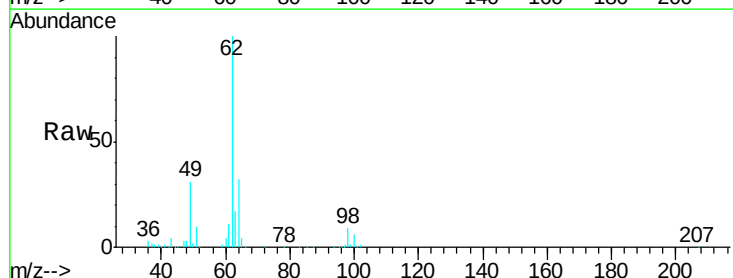
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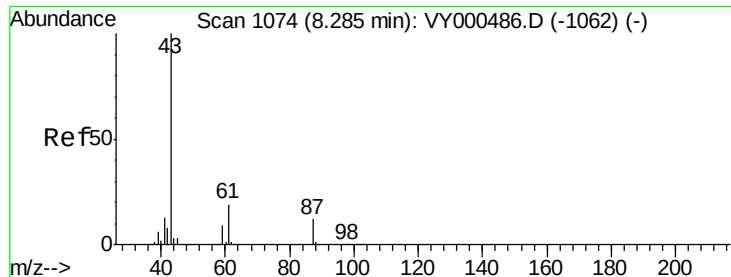
MMDadoda
11/8/2019 4:07:15 PM



#42
1,2-Dichloroethane
Concen: 57.291 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 59.236 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

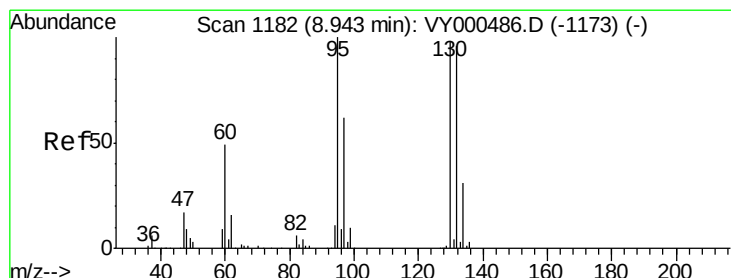
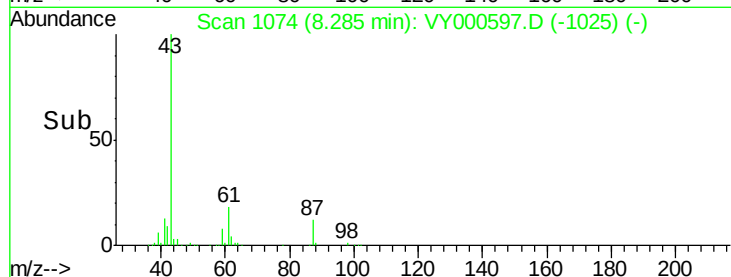
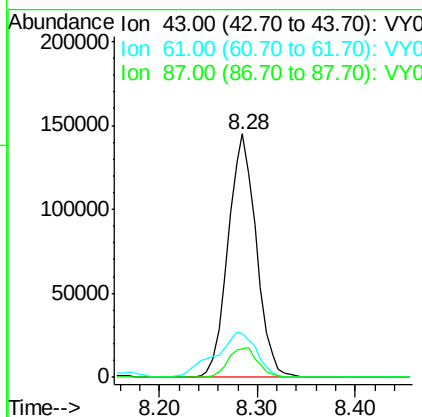
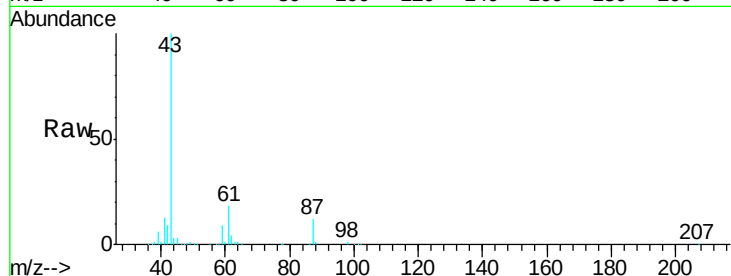
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	288777
Ion	Ratio	Lower	Upper
43	100		
61	27.4	23.0	34.4
87	12.7	10.5	15.7

Manual Integrations
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11/8/2019 4:07:15 PM



#44

Trichloroethene

Concen: 53.185 ug/l

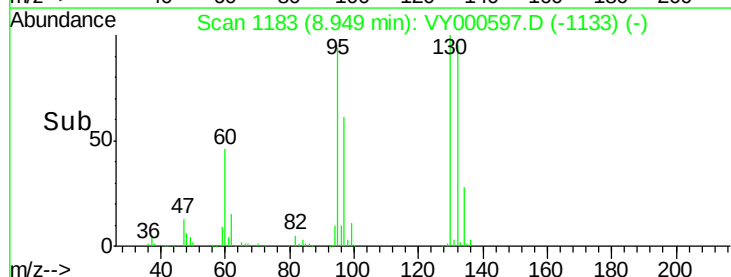
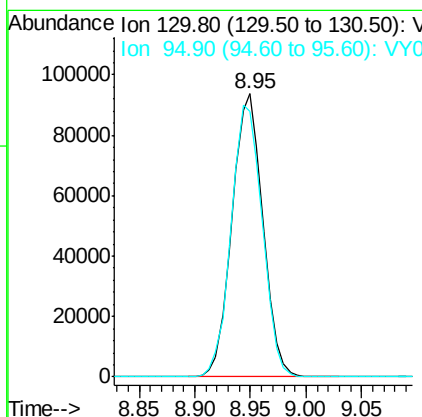
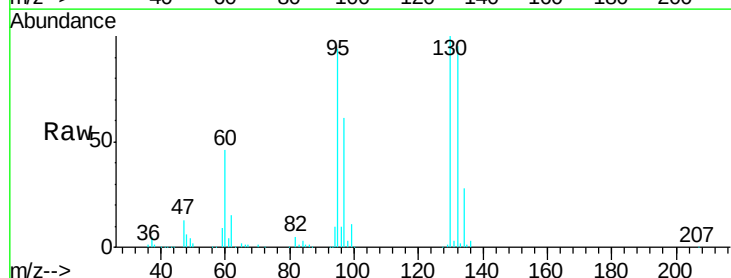
RT: 8.95 min Scan# 1183

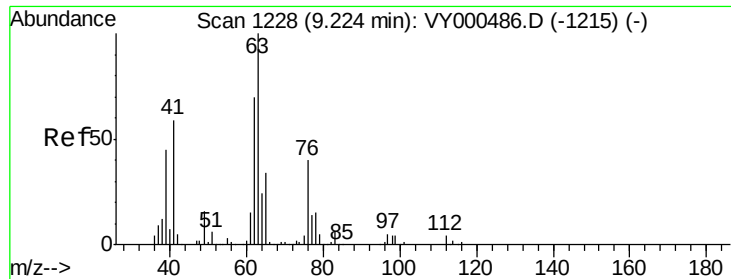
Delta R.T. 0.01 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	130	Resp:	179705
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	203.2





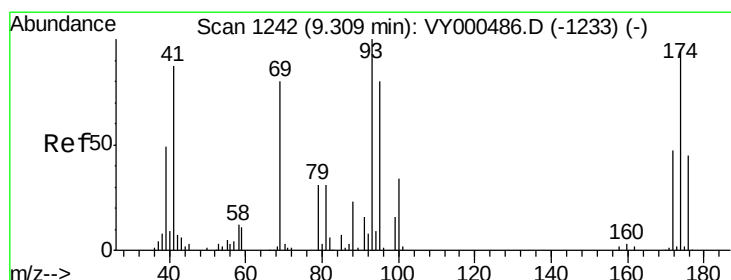
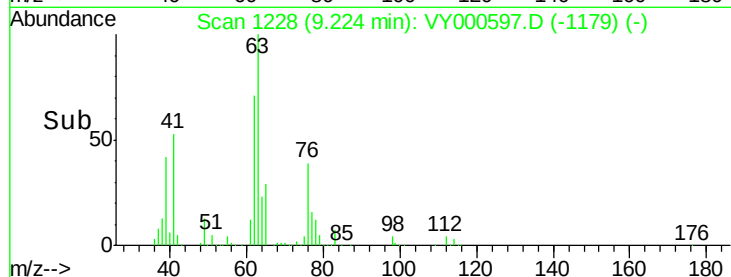
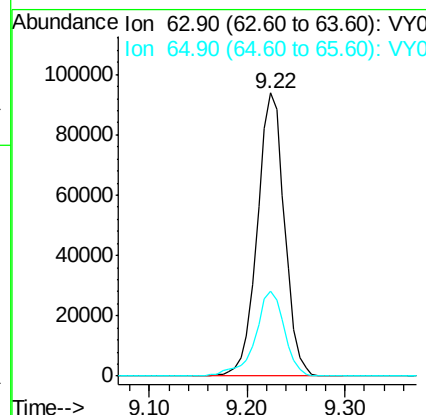
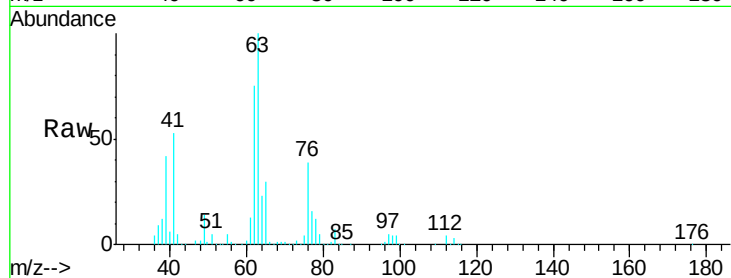
#45
 1,2-Dichloropropane
 Concen: 57.701 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 181994
 Ion Ratio Lower Upper
 63 100
 65 29.9 27.0 40.4

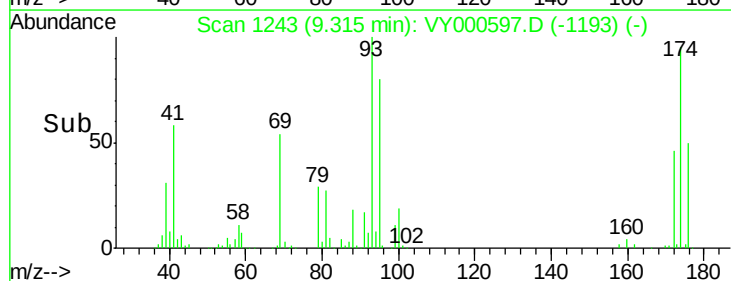
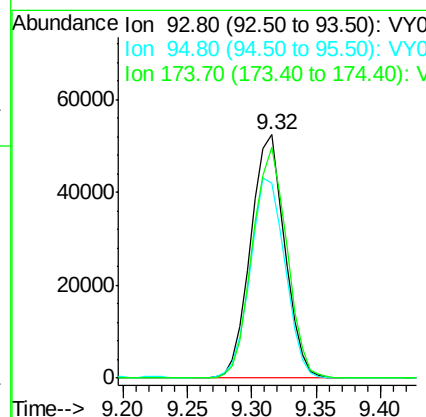
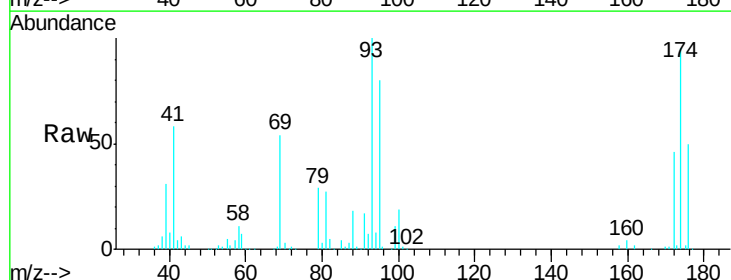
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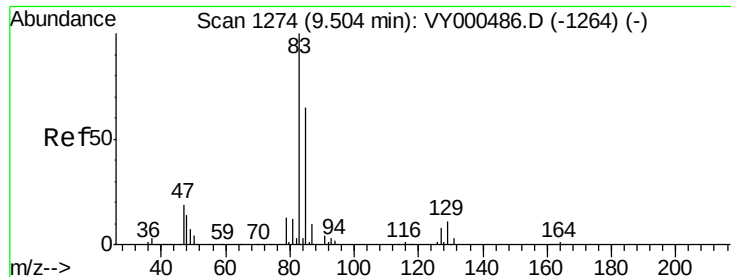
MMDadoda
 11/8/2019 4:07:15 PM



#46
 Dibromomethane
 Concen: 55.370 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion: 93 Resp: 96046
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.4 99.6
 174 95.5 77.1 115.7





#47

Bromodichloromethane

Concen: 57.037 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

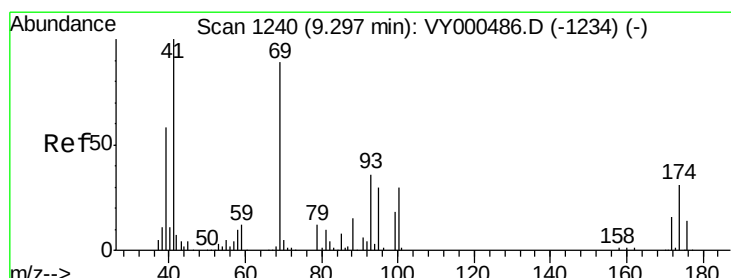
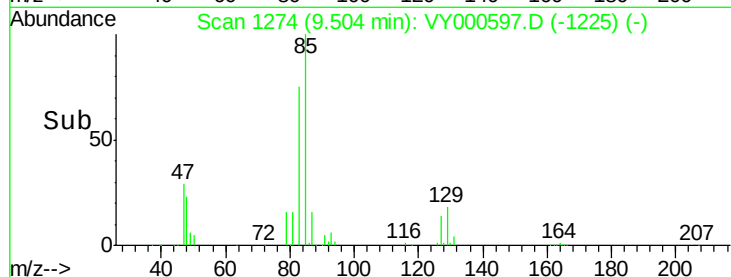
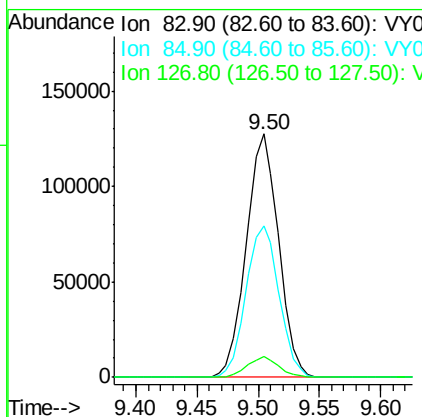
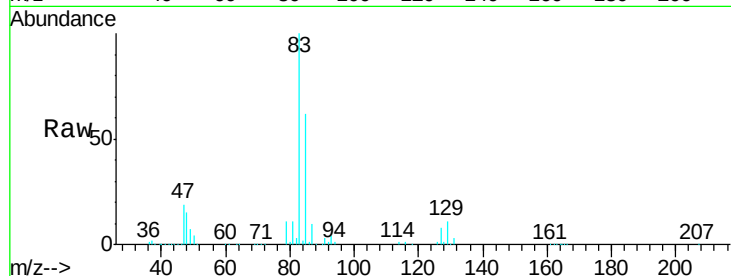
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	234758
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.8	77.8
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.002 ug/l

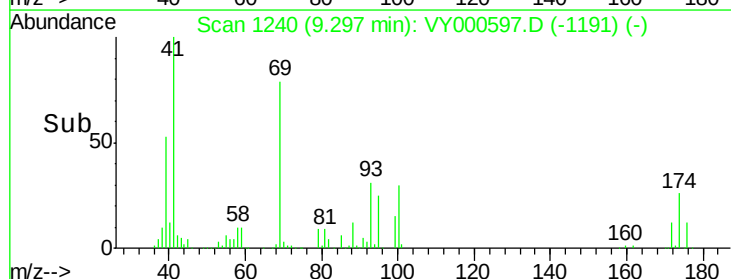
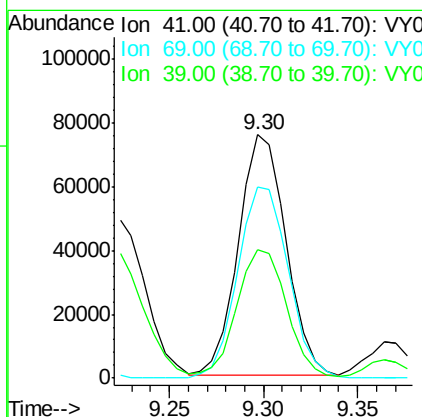
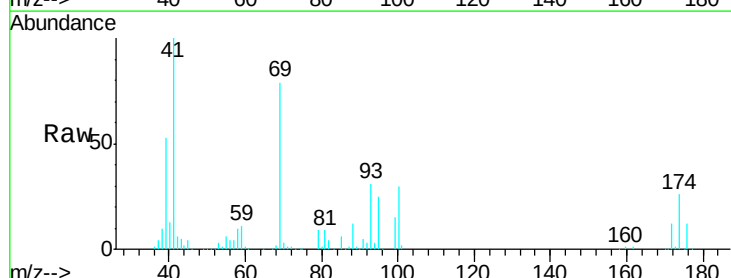
RT: 9.30 min Scan# 1240

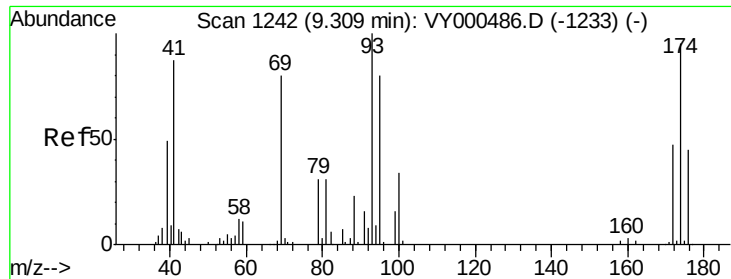
Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	41	Resp:	132067
Ion Ratio	Lower	Upper	
41	100		
69	85.0	72.5	108.7
39	56.4	47.8	71.8





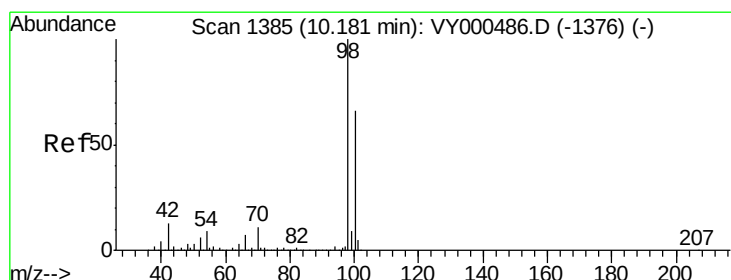
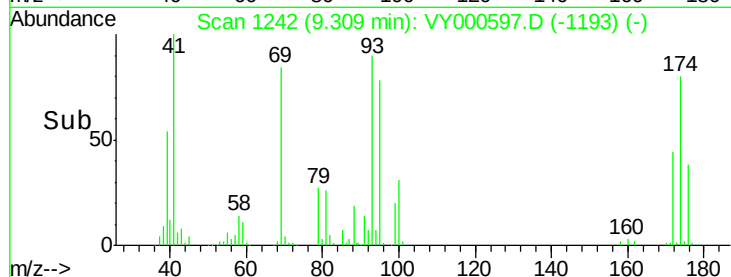
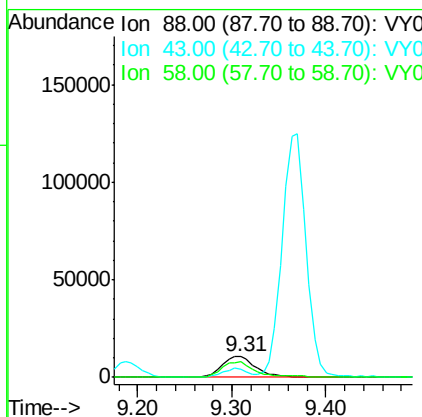
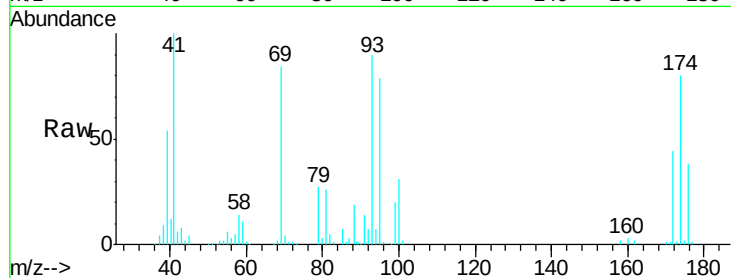
#49
1,4-Dioxane
Concen: 1143.653 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.1	37.7
58	76.0	50.6	75.8

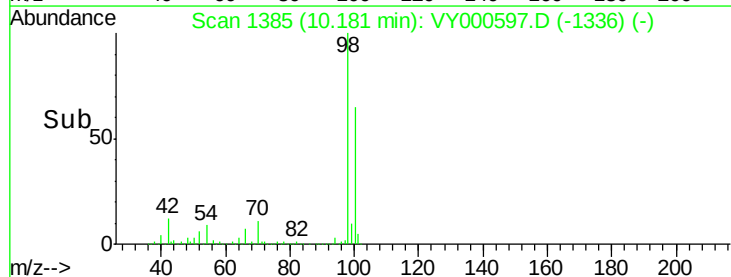
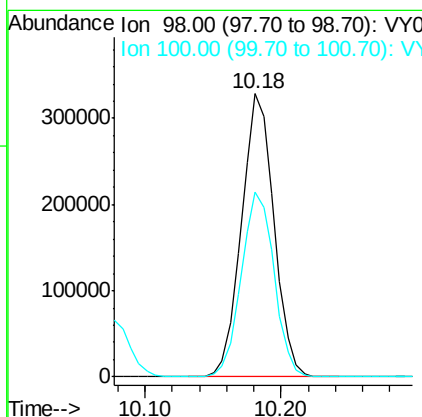
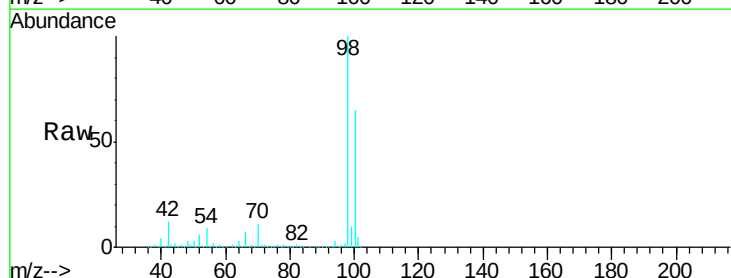
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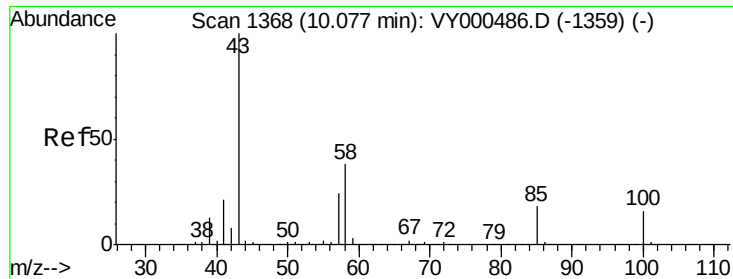
MMDadoda
11/8/2019 4:07:15 PM



#50
Toluene-d8
Concen: 53.116 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3





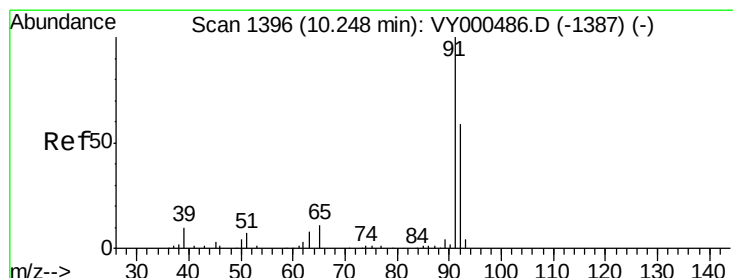
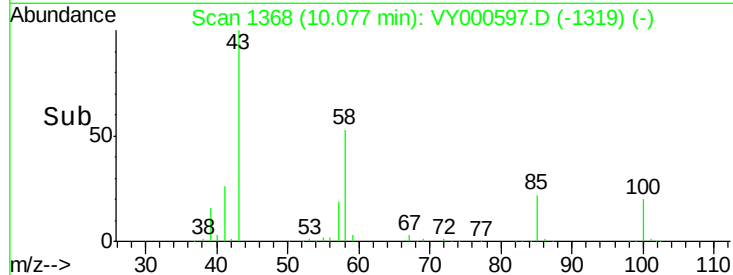
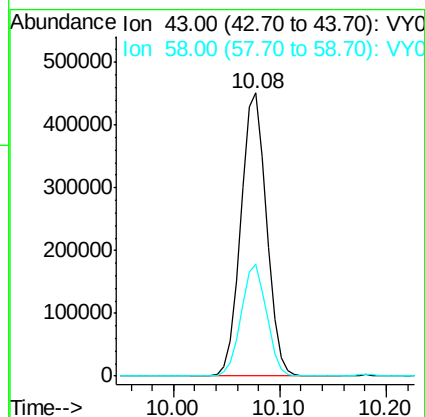
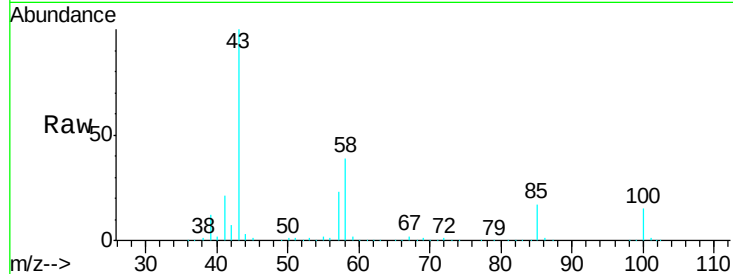
#51
4-Methyl-2-Pentanone
Concen: 296.796 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 769279
Ion Ratio Lower Upper
43 100
58 39.1 30.2 45.4

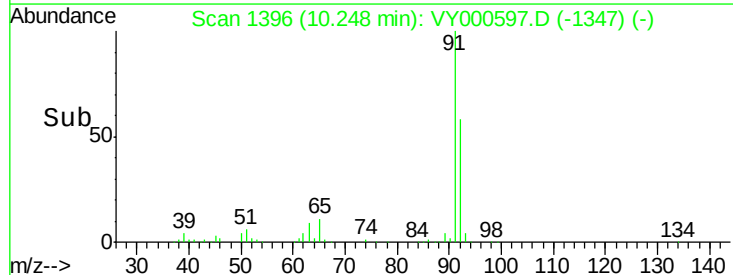
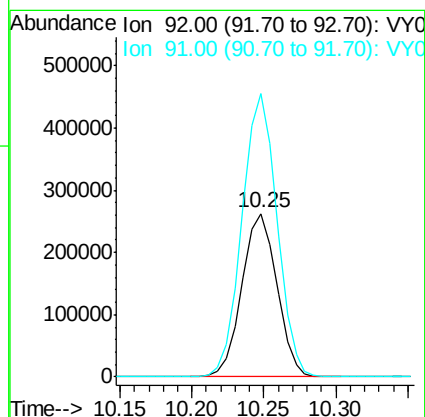
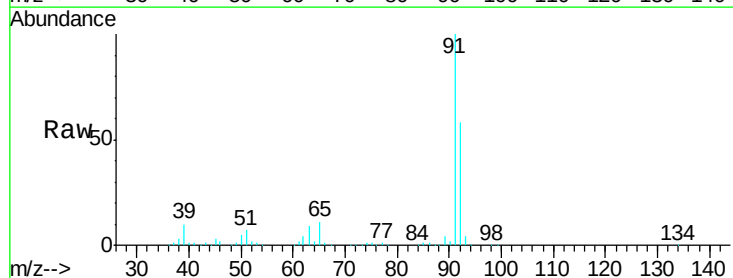
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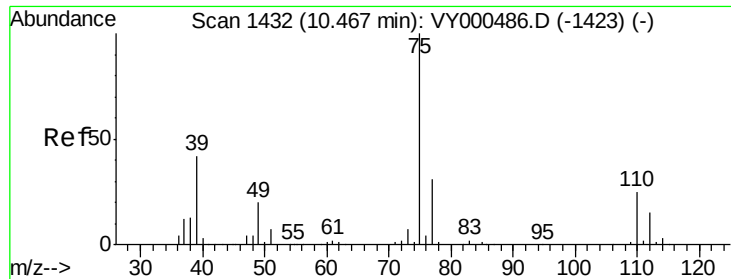
MMDadoda
11/8/2019 4:07:15 PM



#52
Toluene
Concen: 54.522 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 92 Resp: 441751
Ion Ratio Lower Upper
92 100
91 173.1 136.3 204.5





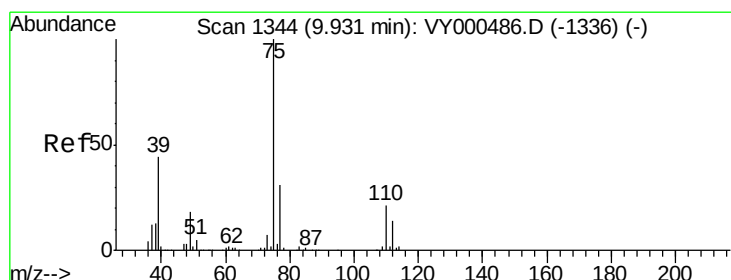
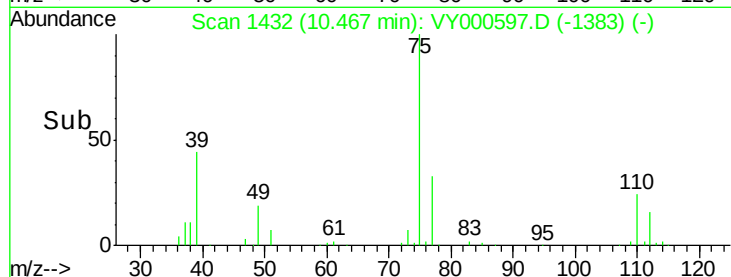
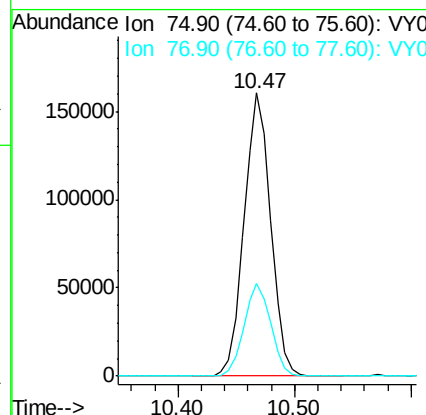
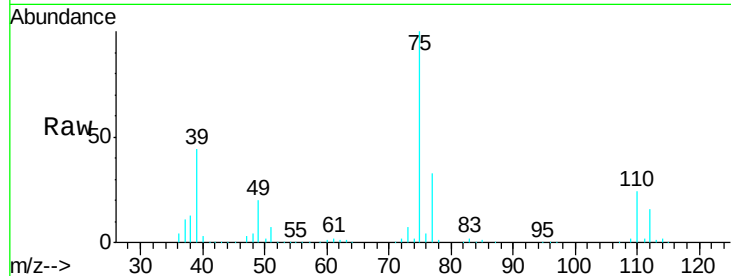
#53
t-1,3-Dichloropropene
Concen: 58.010 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 255117
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0

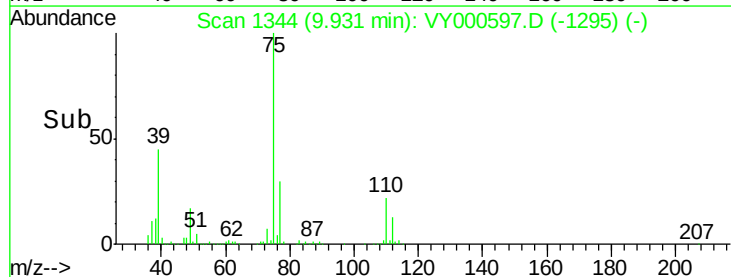
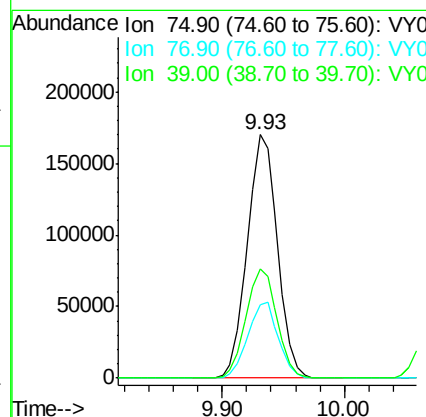
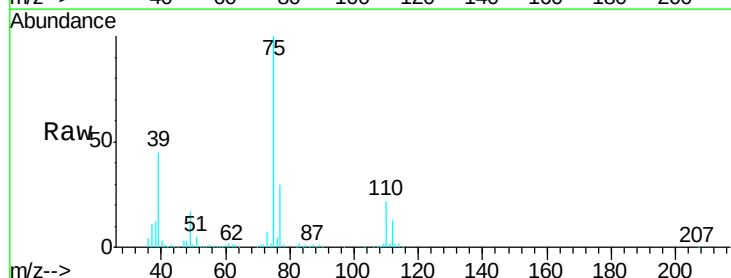
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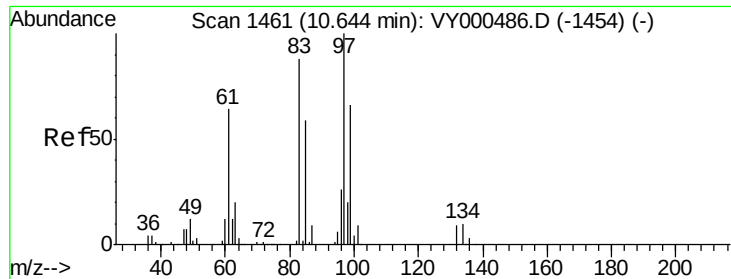
MMDadoda
11/8/2019 4:07:15 PM



#54
cis-1,3-Dichloropropene
Concen: 57.710 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 75 Resp: 290754
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7
39 44.9 35.4 53.2





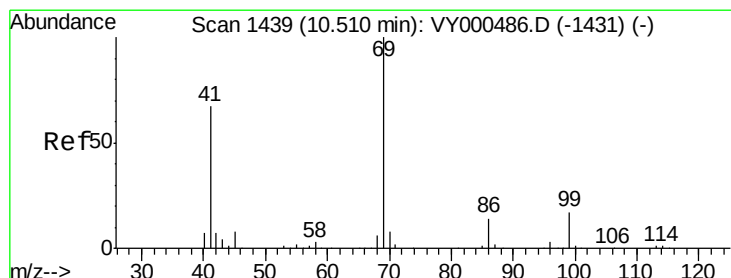
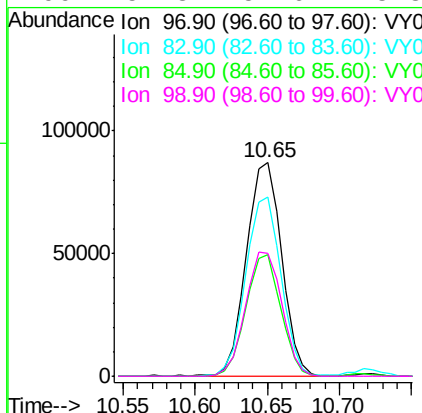
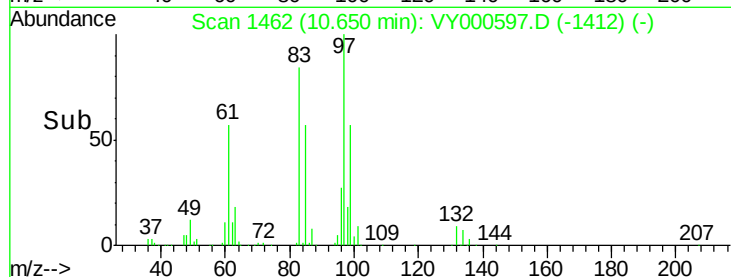
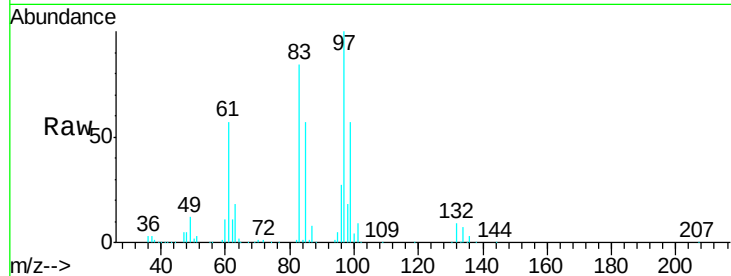
#55
1,1,2-Trichloroethane
Concen: 58.811 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:	97	Resp:	147553
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.4
85	57.0	46.9	70.3
99	57.3	52.6	78.8

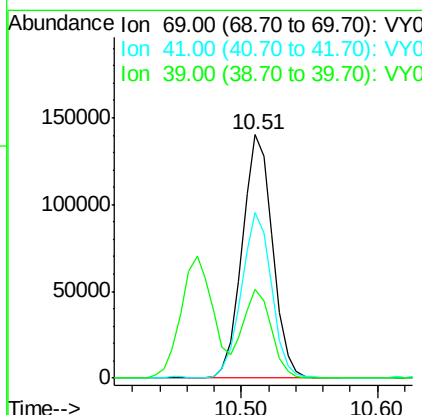
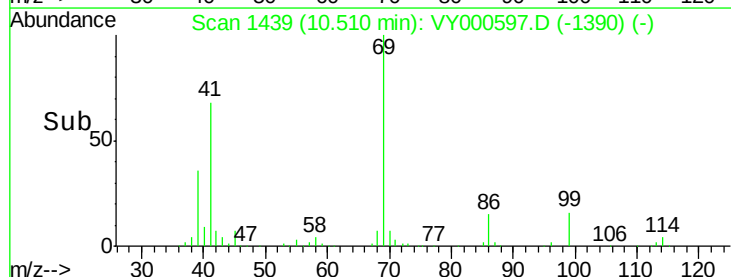
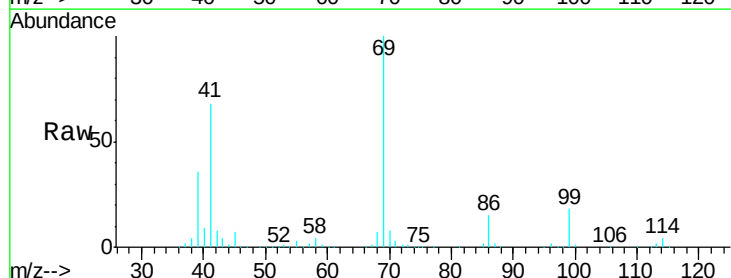
Manual Integrations
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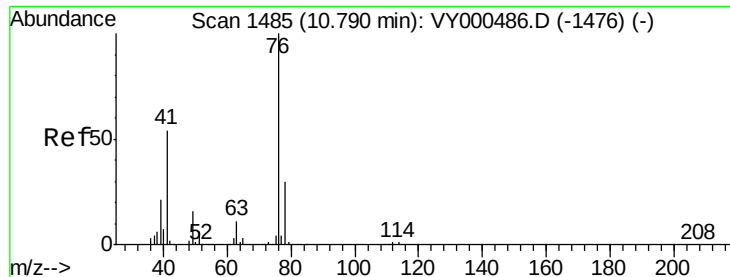
MMDadoda
11/8/2019 4:07:15 PM



#56
Ethyl methacrylate
Concen: 61.487 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion:	69	Resp:	218646
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.3	79.9
39	33.7	28.0	42.0





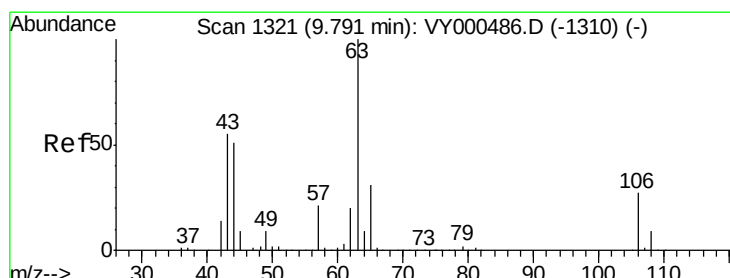
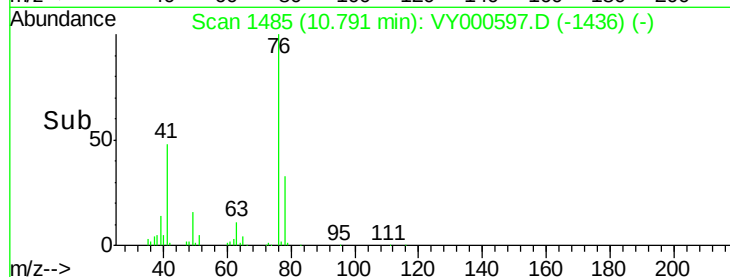
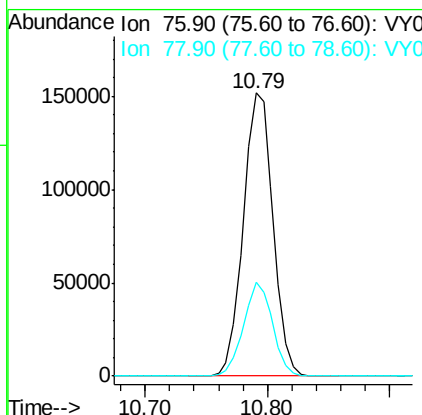
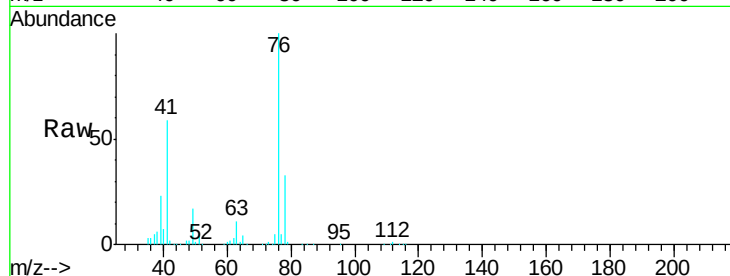
#57
 1,3-Dichloropropane
 Concen: 58.191 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 25525
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8

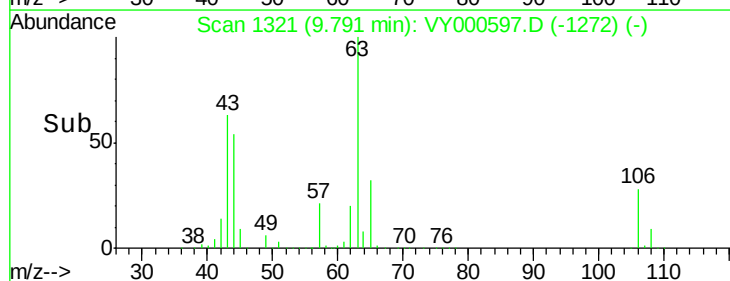
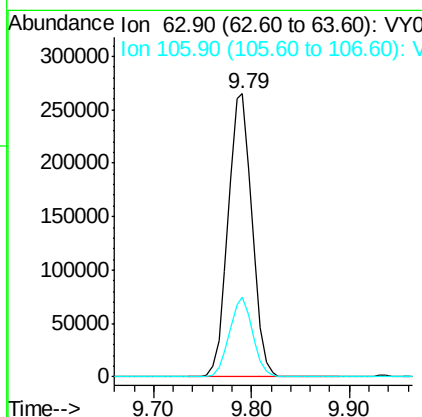
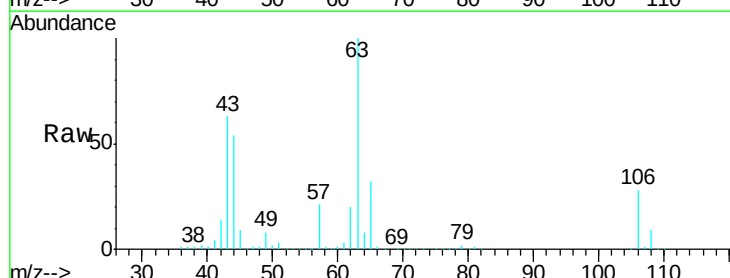
Manual Integrations
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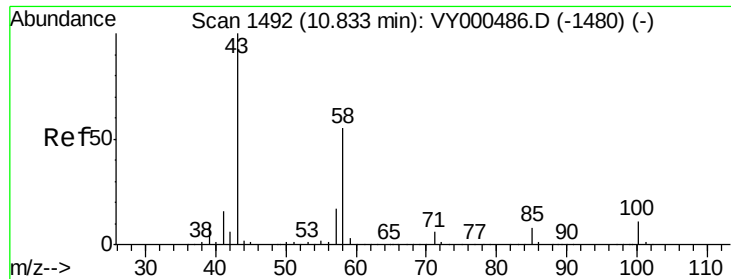
MMDadoda
 11/8/2019 4:07:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.044 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion: 63 Resp: 448596
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.6 33.8





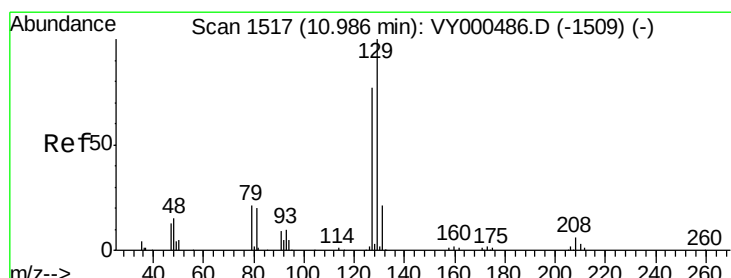
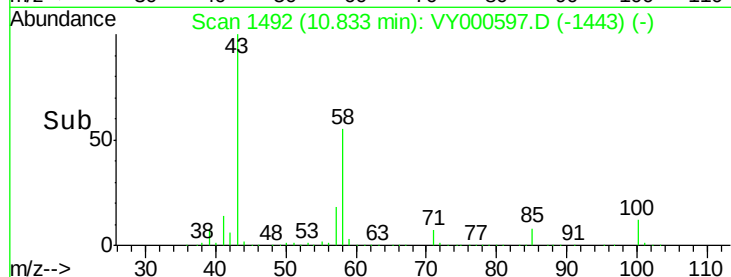
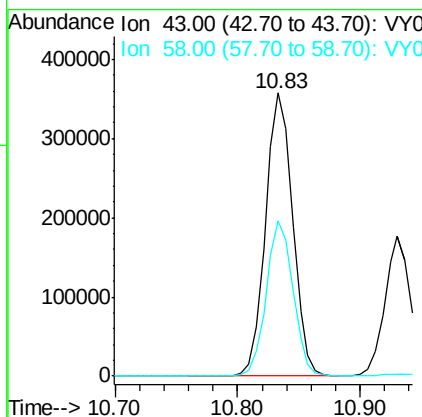
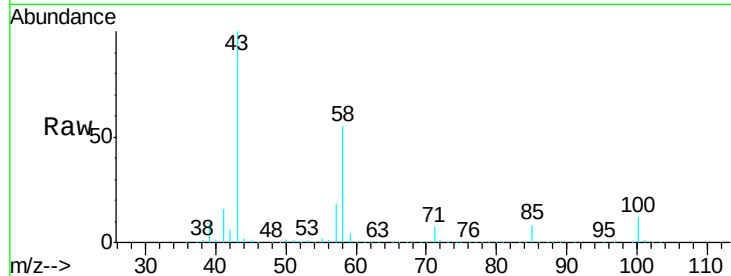
#59
2-Hexanone
Concen: 292.472 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 552326
Ion Ratio Lower Upper
43 100
58 53.8 27.1 81.3

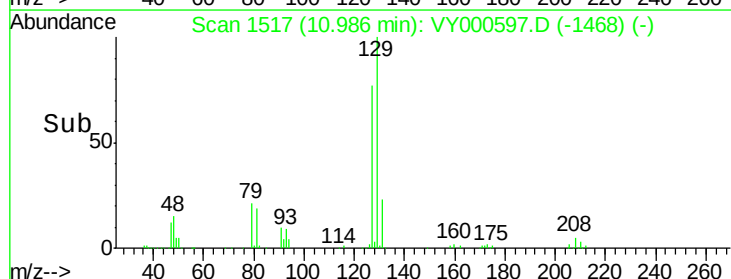
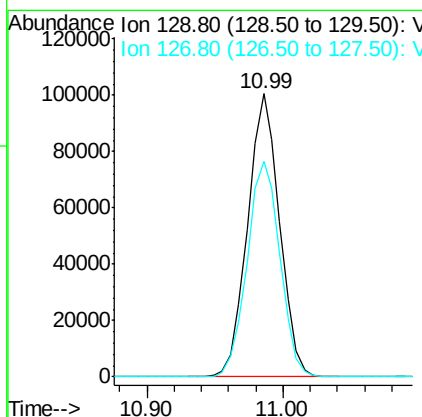
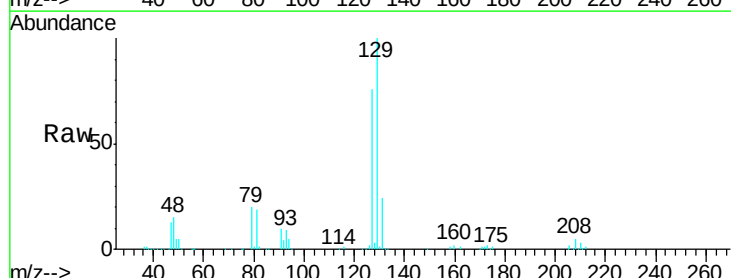
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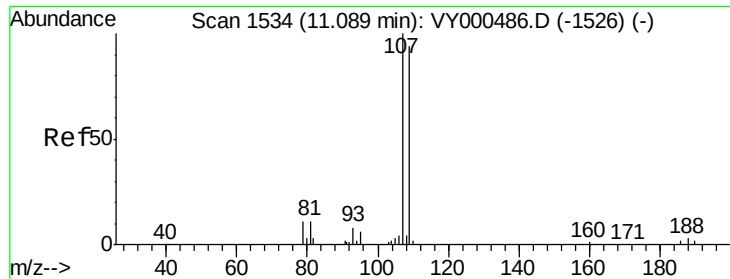
MMDadoda
11/8/2019 4:07:15 PM



#60
Dibromochloromethane
Concen: 57.441 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 129 Resp: 165072
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





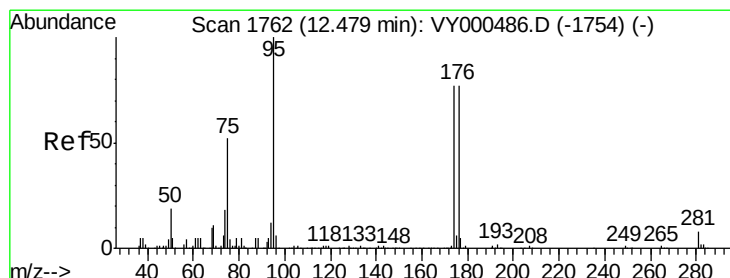
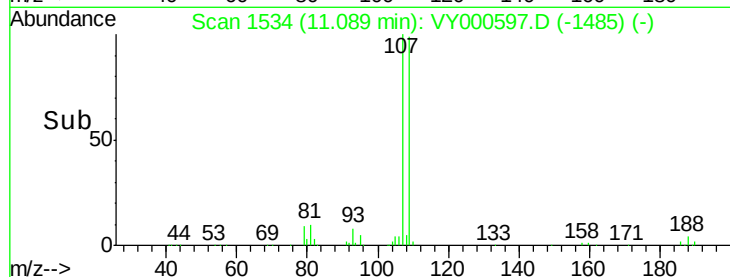
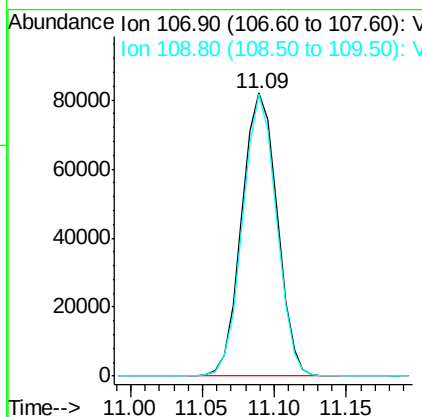
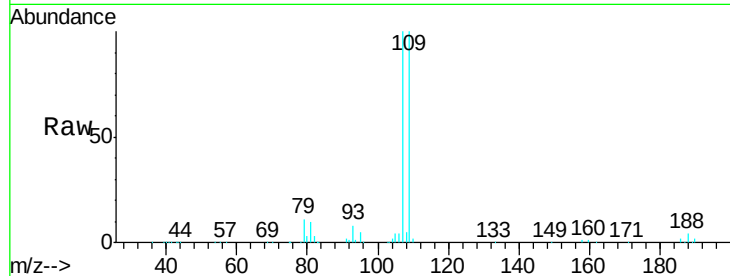
#61
 1,2-Dibromoethane
 Concen: 57.819 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	139478		
109	95.0	73.6	110.4	

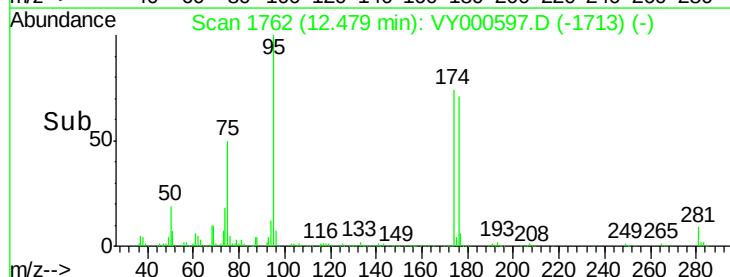
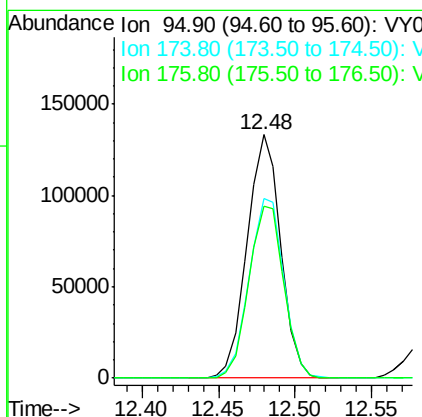
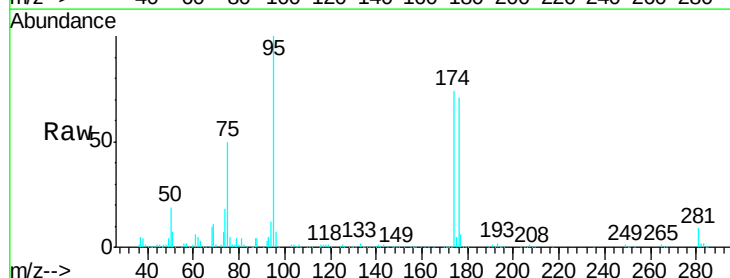
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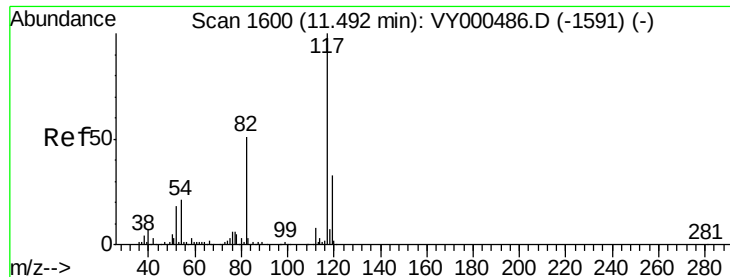
MMDadoda
 11/8/2019 4:07:15 PM



#62
 4-Bromofluorobenzene
 Concen: 51.776 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	203023		
174	76.8	0.0	161.6	
176	73.7	0.0	157.8	





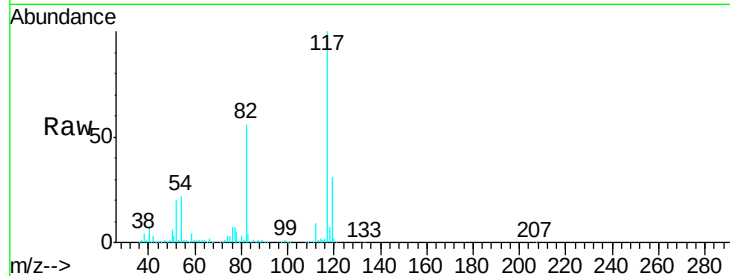
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	426585		
82	55.8	40.8	61.2	
119	31.3	26.2	39.2	

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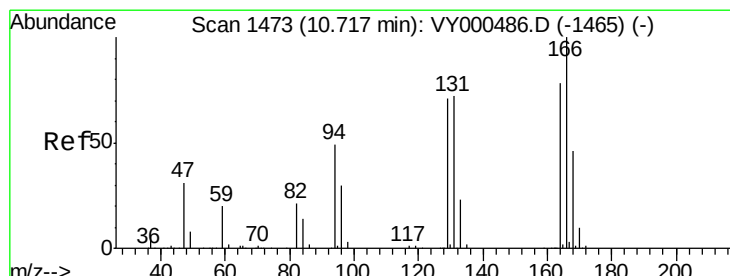
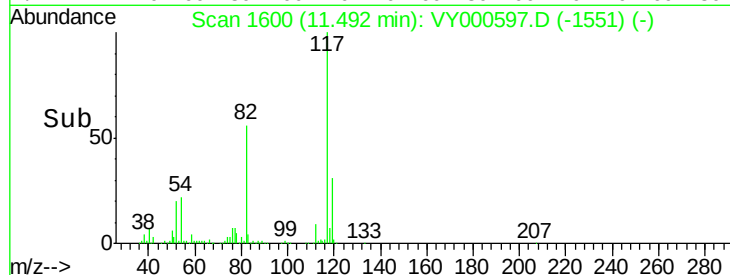
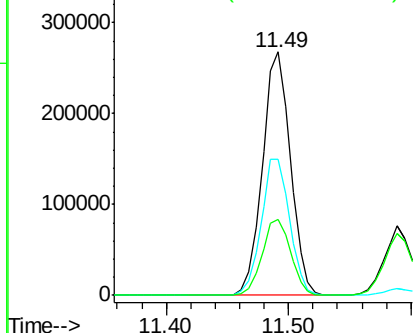


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.841 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182862		
166	126.7	102.7	154.1	
129	94.8	73.2	109.8	
131	94.3	74.2	111.2	

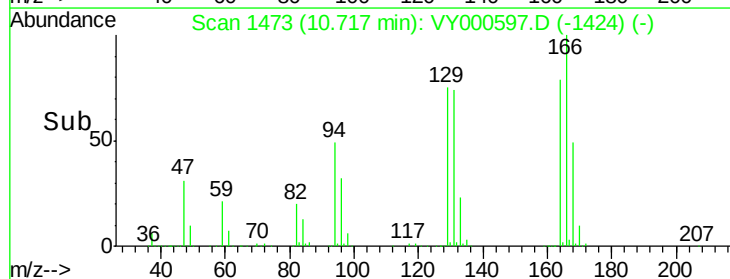
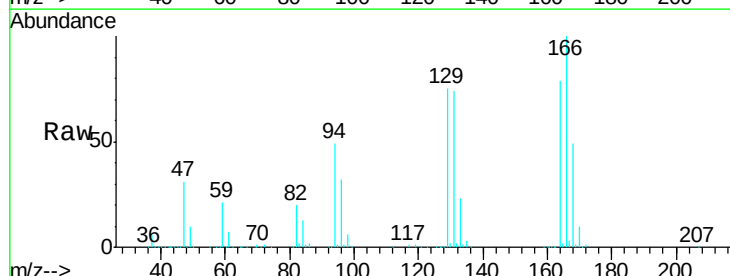
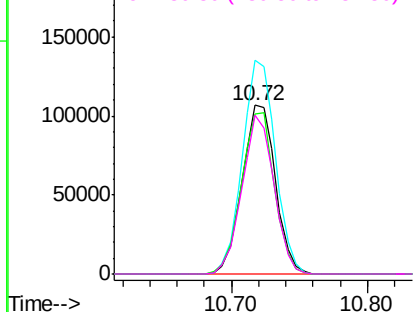
Abundance

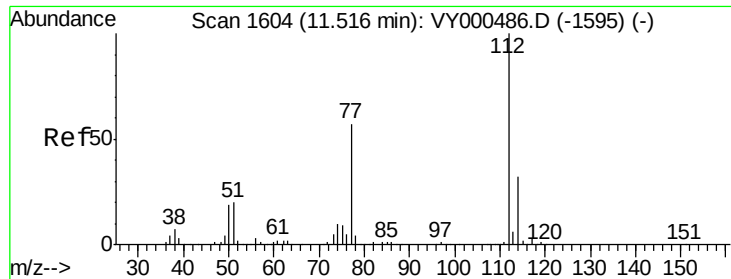
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





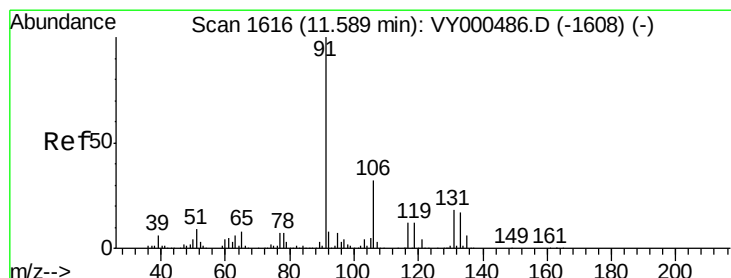
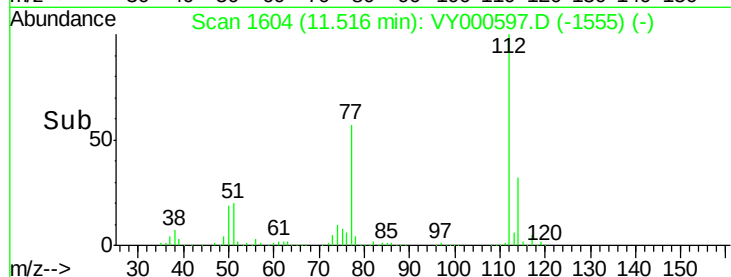
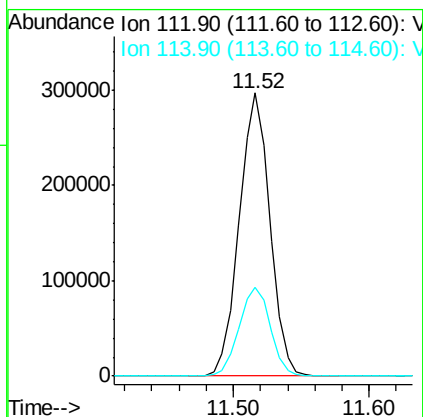
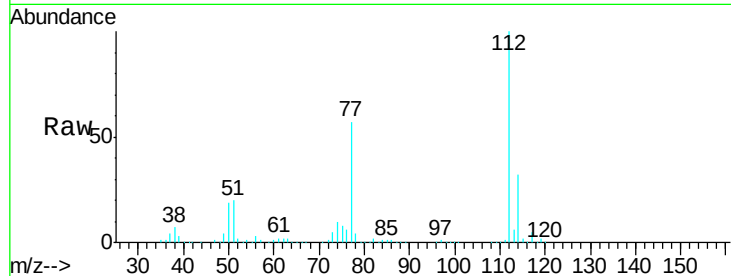
#65
Chlorobenzene
Concen: 53.865 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 465874
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

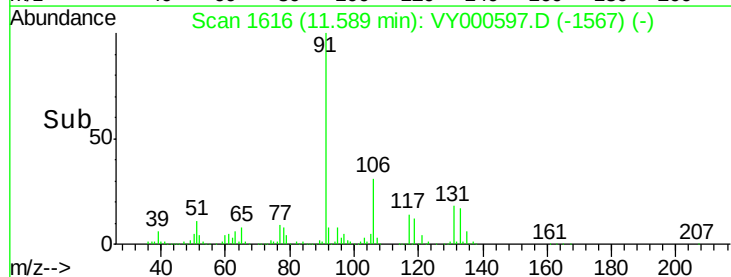
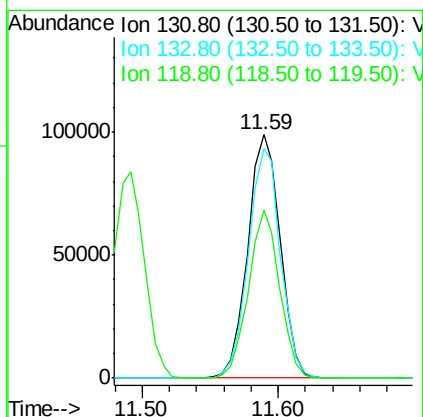
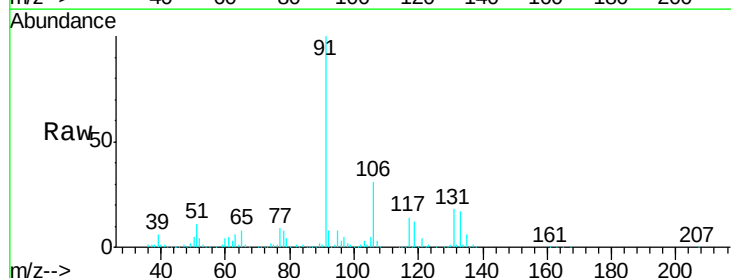
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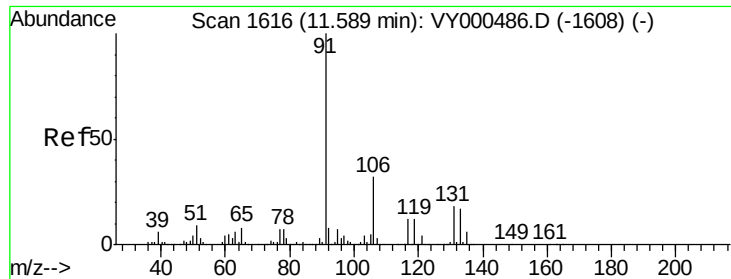
MMDadoda
11/8/2019 4:07:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.161 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion:131 Resp: 165461
Ion Ratio Lower Upper
131 100
133 93.6 47.9 143.8
119 66.2 33.1 99.3





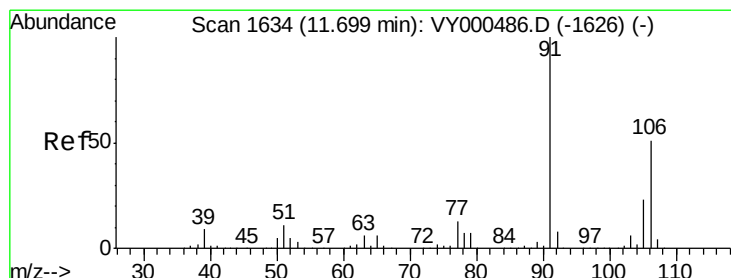
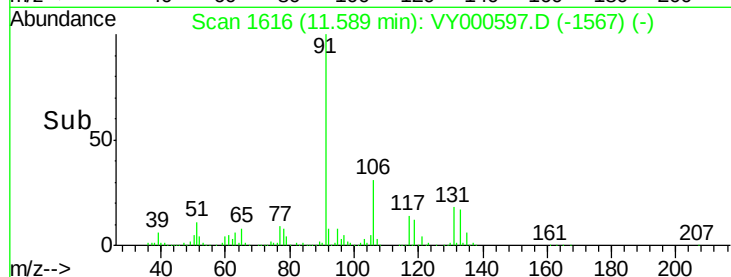
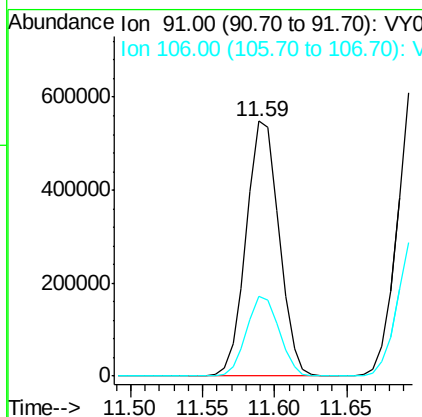
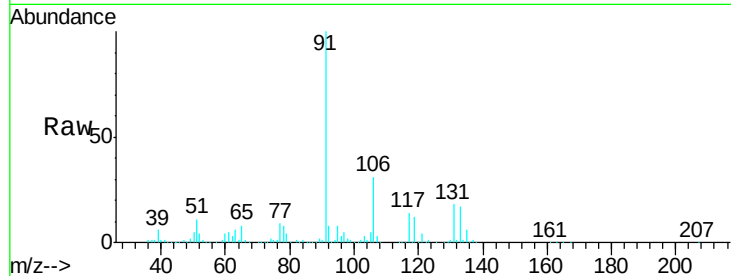
#67
Ethyl Benzene
Concen: 54.324 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 864718
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

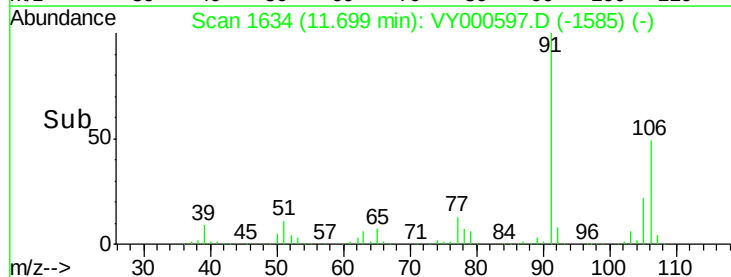
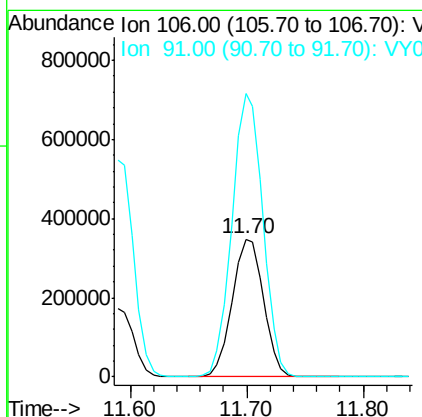
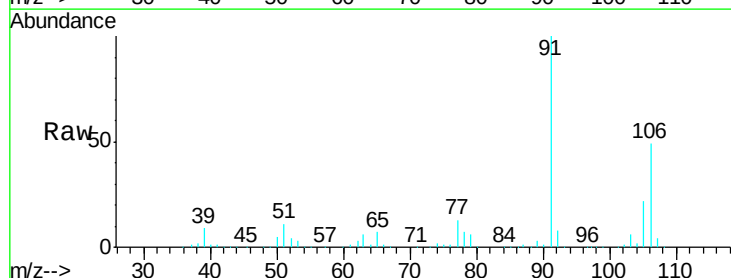
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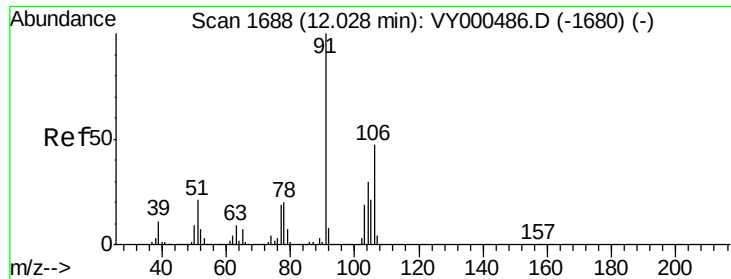
MMDadoda
11/8/2019 4:07:15 PM



#68
m/p-Xylenes
Concen: 105.435 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion: 106 Resp: 649567
Ion Ratio Lower Upper
106 100
91 203.4 155.9 233.9





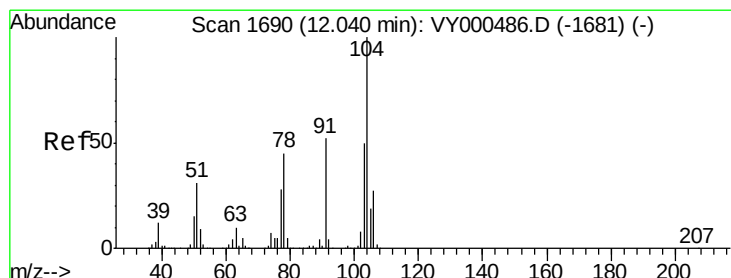
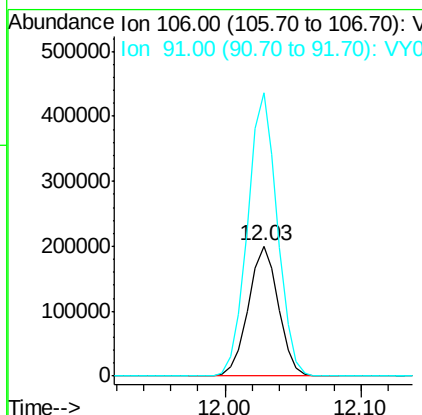
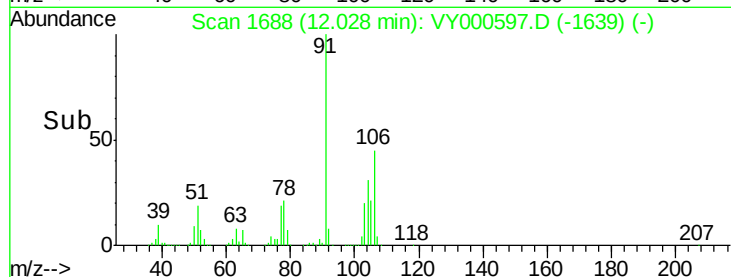
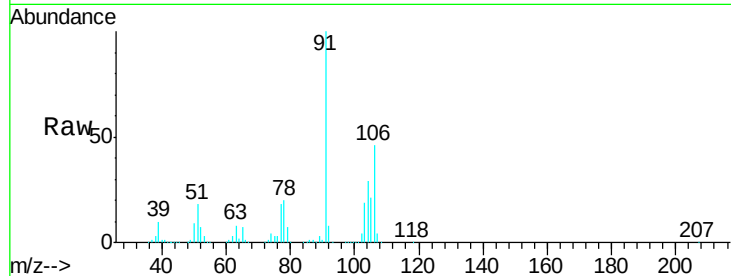
#69
o-Xylene
Concen: 53.487 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 309695
Ion Ratio Lower Upper
106 100
91 215.3 106.5 319.6

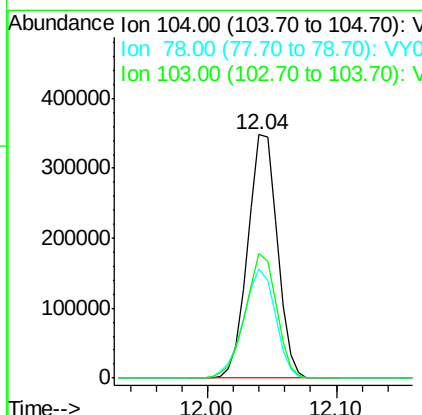
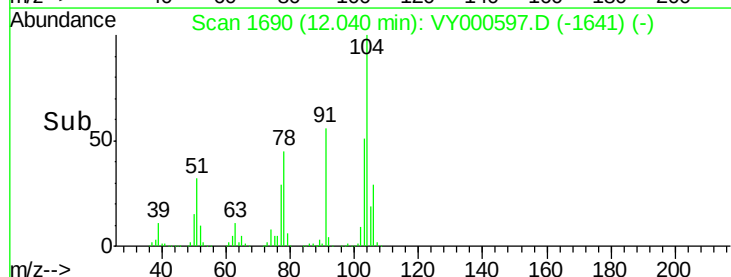
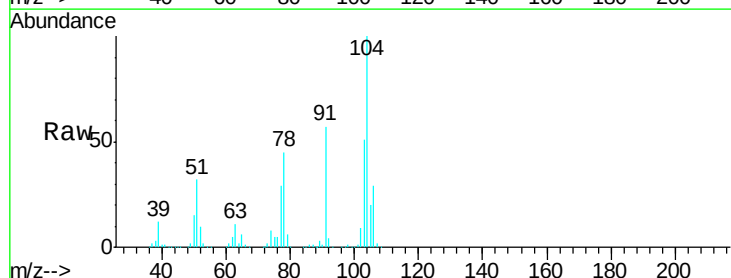
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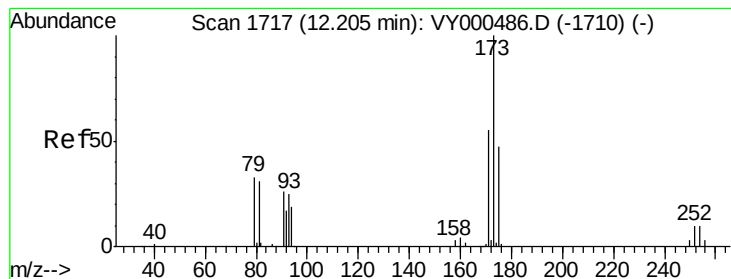
MMDadoda
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#70
Styrene
Concen: 55.321 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion:104 Resp: 548493
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 54.2 42.5 63.7





#71

Bromoform

Concen: 57.186 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

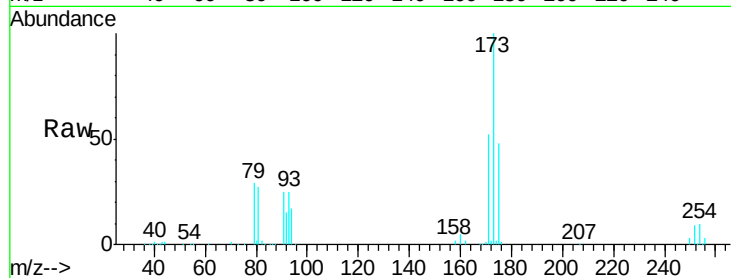
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	98661		
175	49.5	24.4	73.2	
254	0.1	0.1	0.1#	

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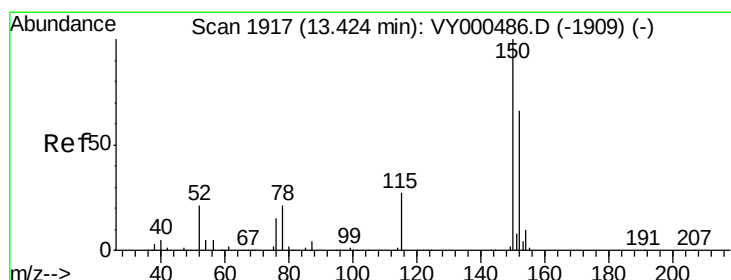
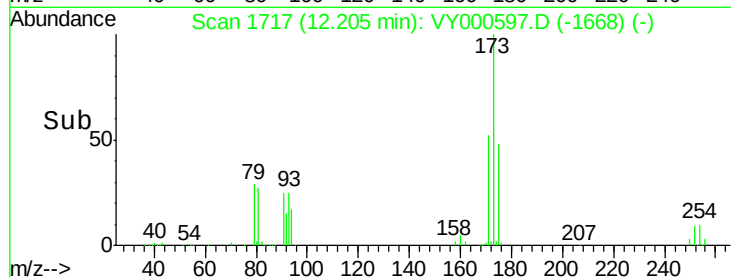
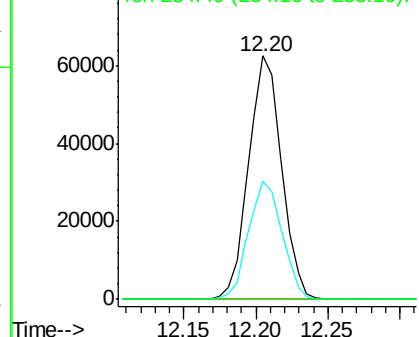


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

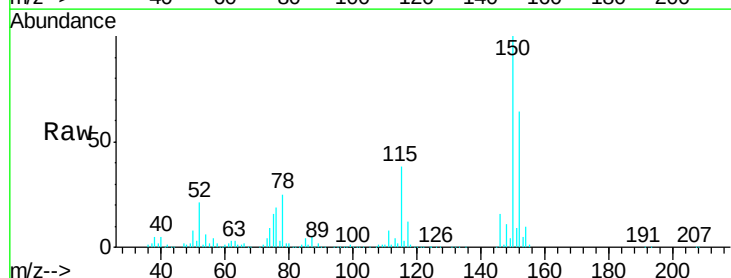
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	213233		
115	60.2	29.1	87.4	
150	175.7	0.0	348.8	

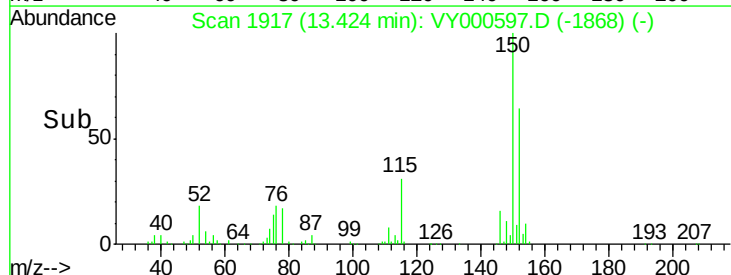
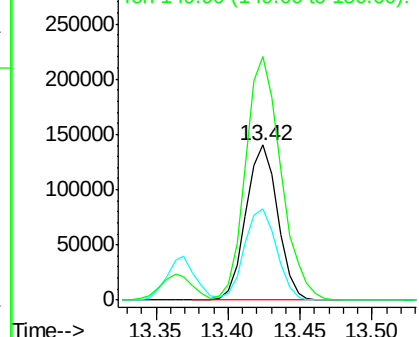


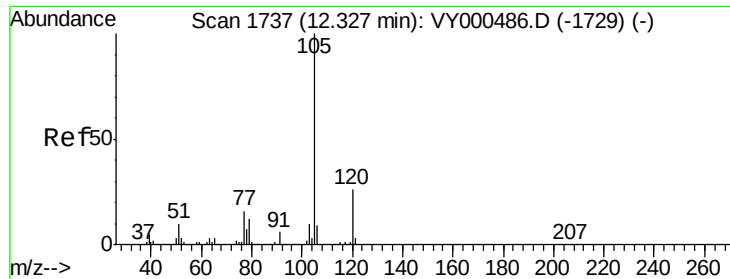
Abundance

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





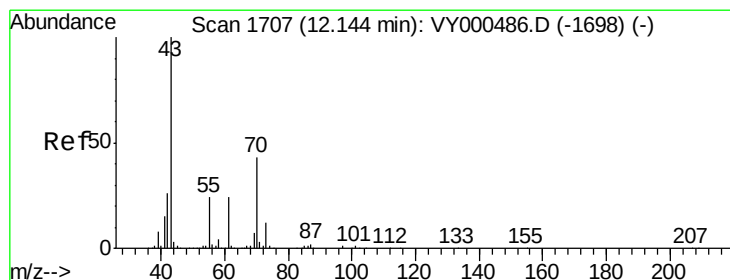
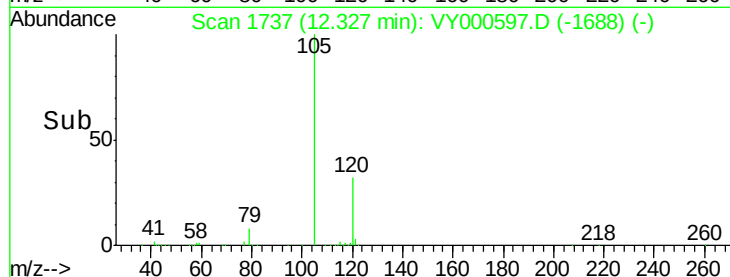
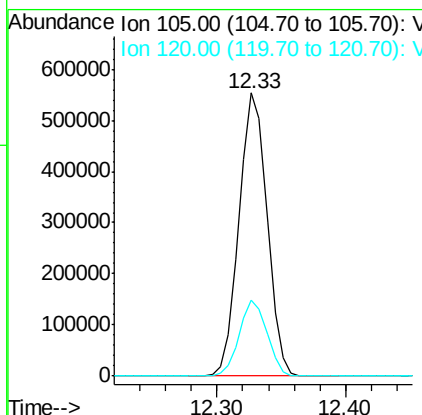
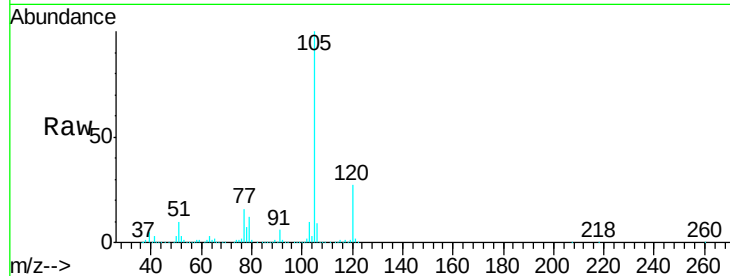
#73
Isopropylbenzene
Concen: 52.968 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4

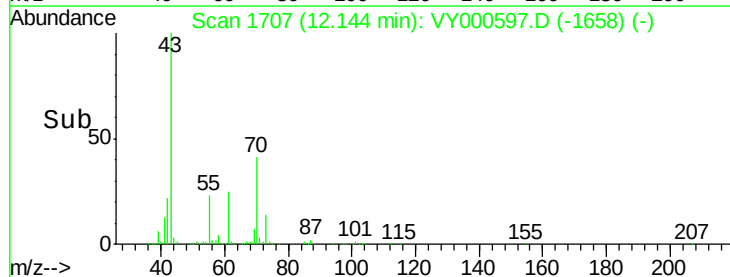
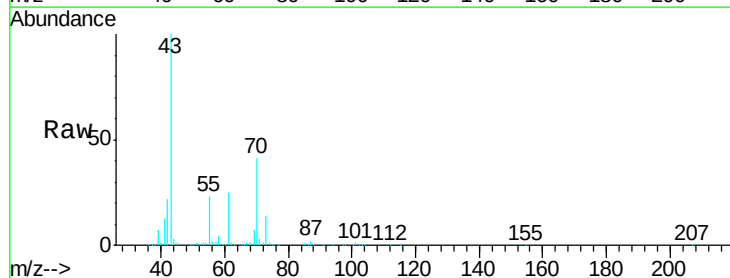
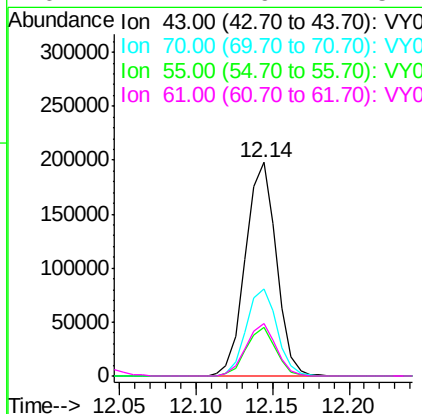
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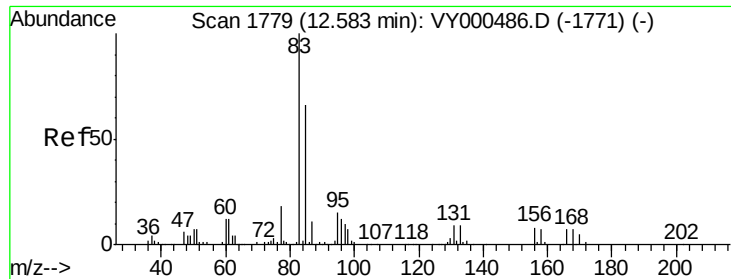
MMDadoda
11/8/2019 4:07:15 PM



#74
N-ethyl acetate
Concen: 61.598 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	33.1	49.7
55	22.0	18.0	27.0
61	24.2	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 56.914 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

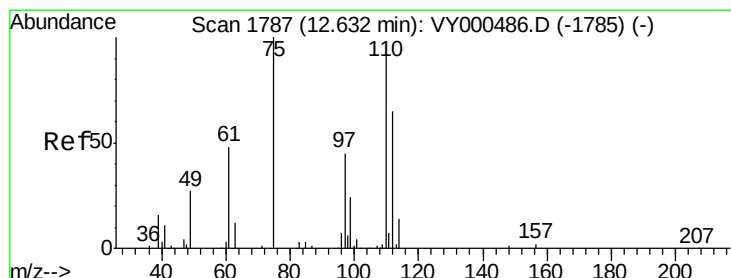
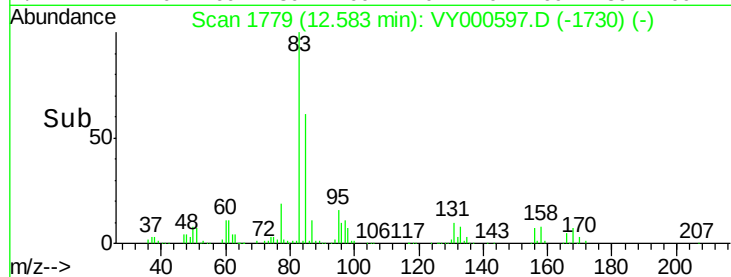
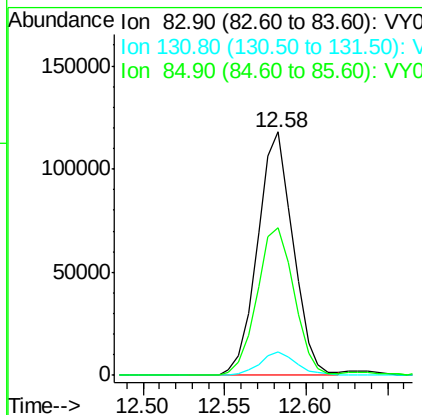
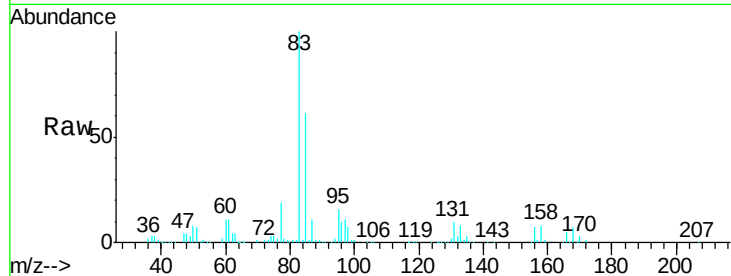
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	177594
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	63.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 62.683 ug/l m

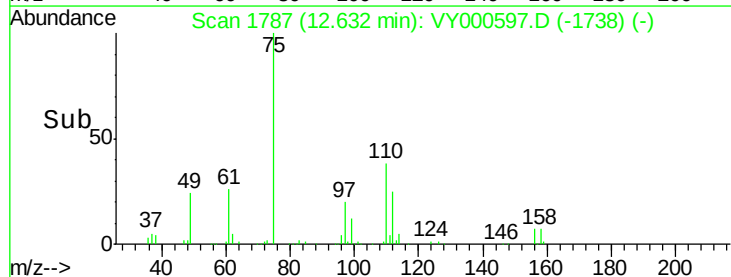
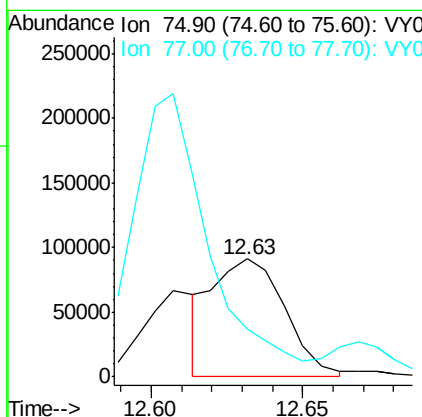
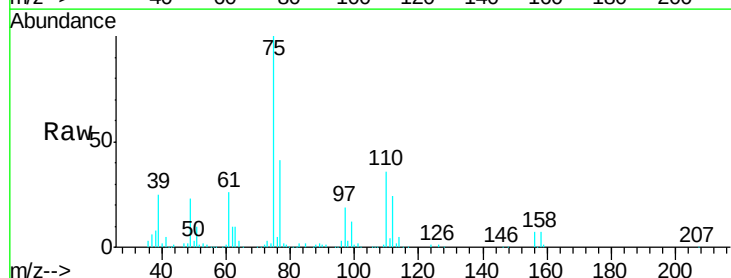
RT: 12.63 min Scan# 1787

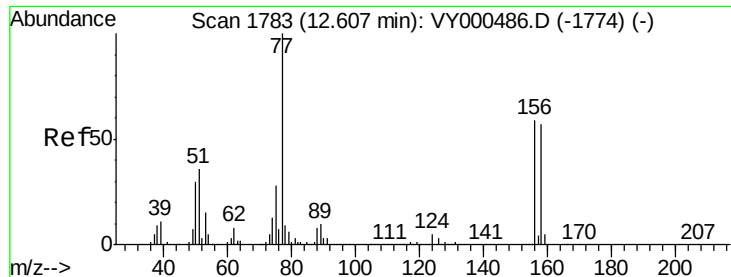
Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	75	Resp:	152192
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.428 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

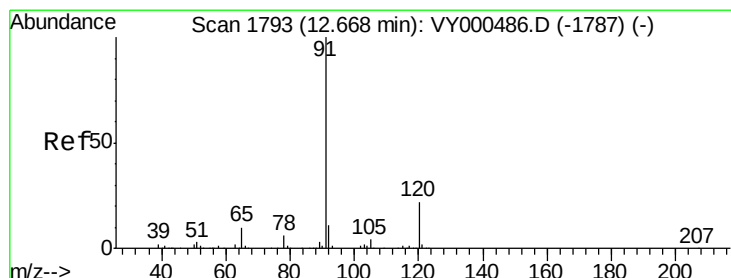
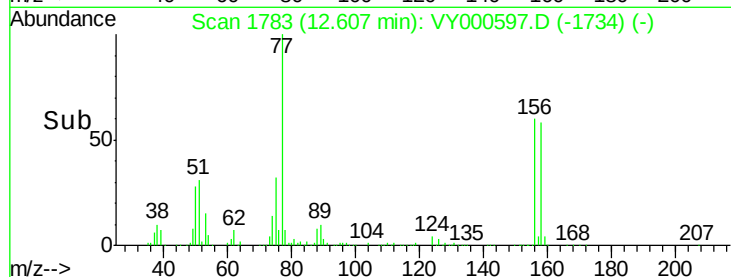
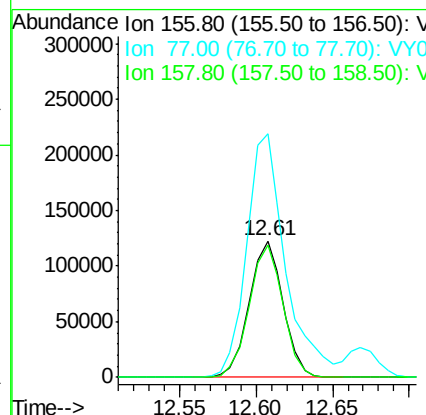
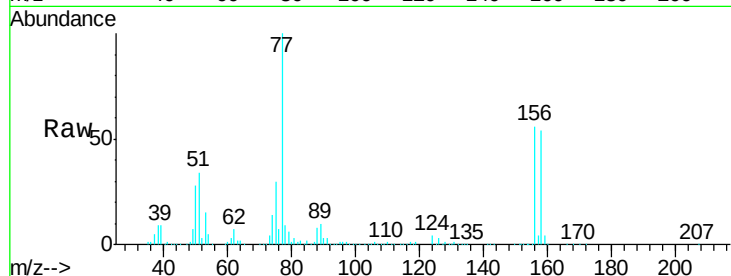
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	206.0	98.2	294.4
158	97.1	49.6	149.0

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#78

n-propylbenzene

Concen: 52.952 ug/l

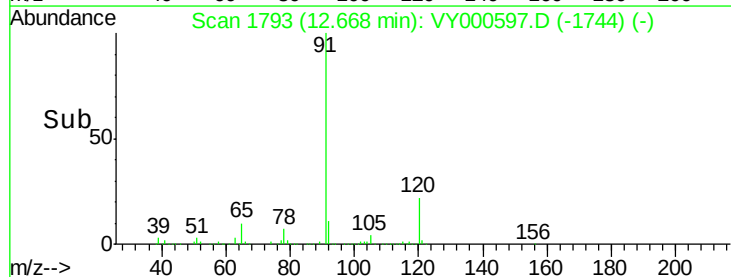
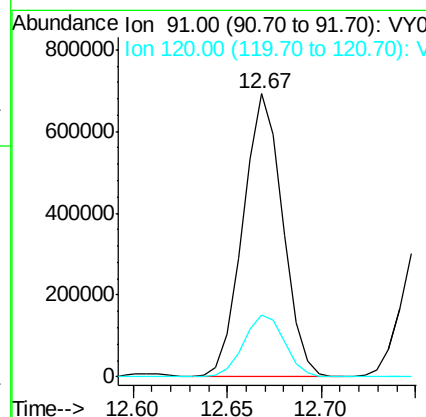
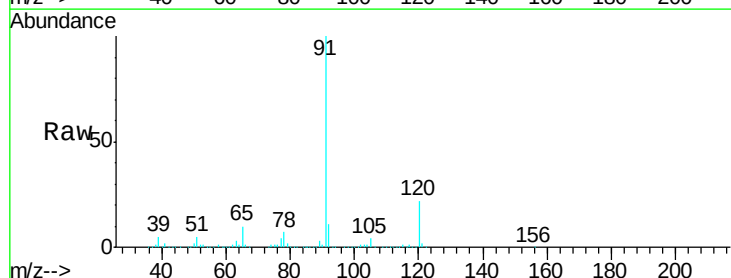
RT: 12.67 min Scan# 1793

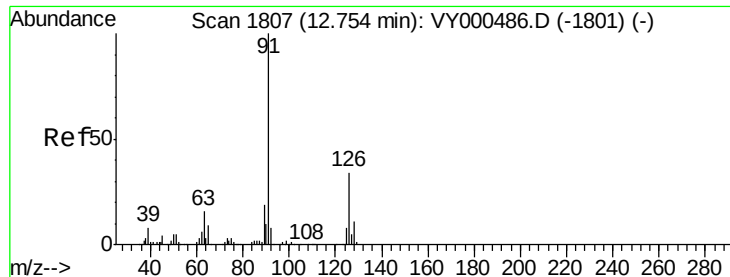
Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.4	34.1





#79

2-Chlorotoluene

Concen: 54.023 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 570285

Ion Ratio Lower Upper

91 100

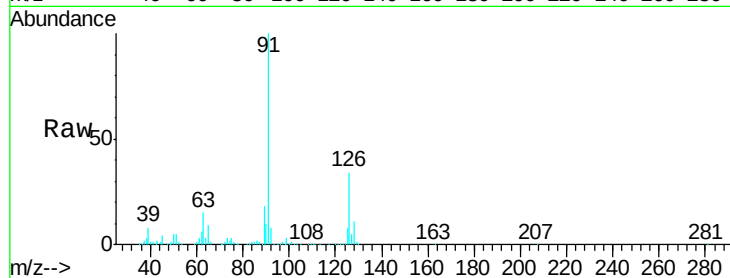
126 33.8 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000486.D (-1801) (-)

600000

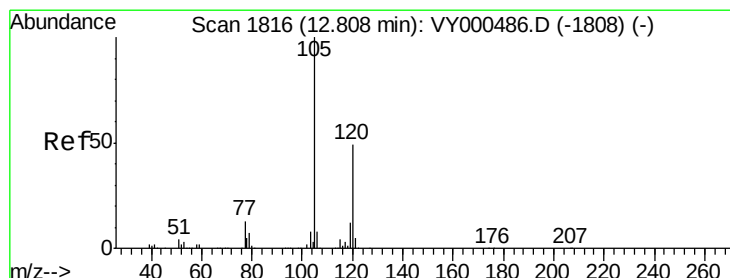
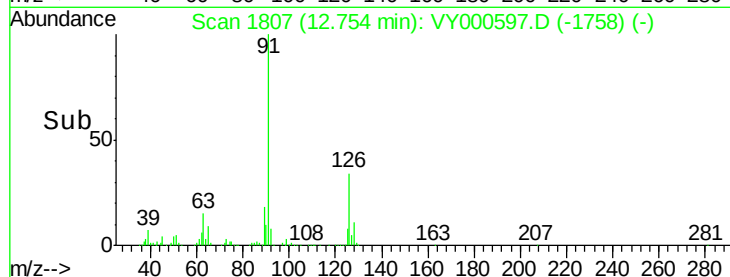
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.207 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000597.D

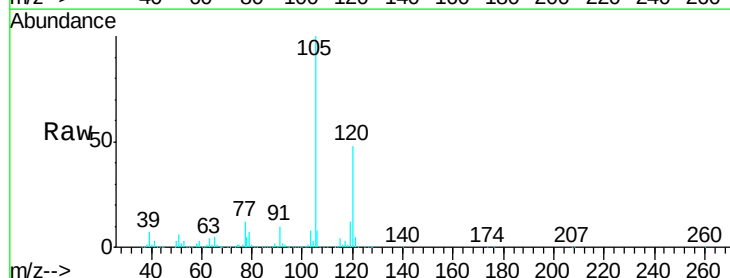
Acq: 07 Nov 2019 22:03

Tgt Ion: 105 Resp: 711485

Ion Ratio Lower Upper

105 100

120 48.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000486.D (-1808) (-)

500000

400000

300000

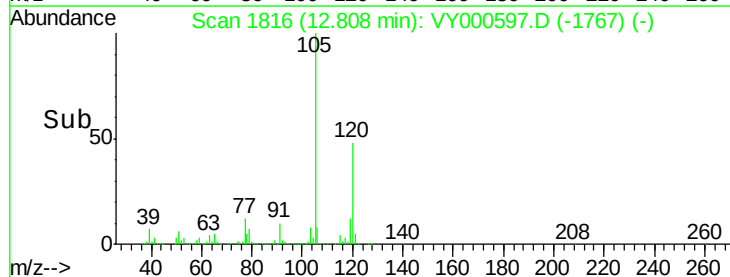
200000

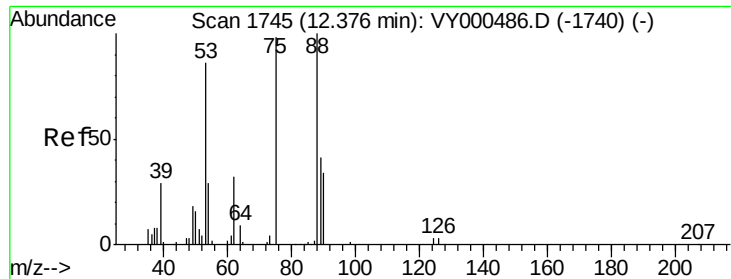
100000

0

12.70 12.80 12.90

Time-->





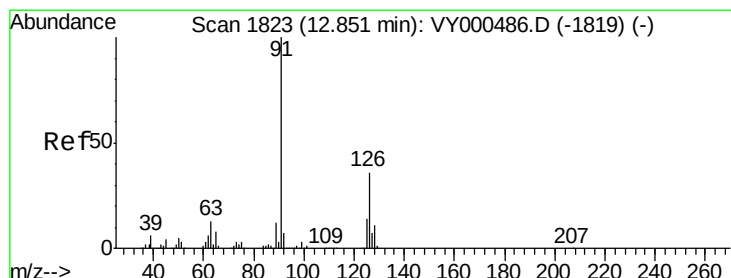
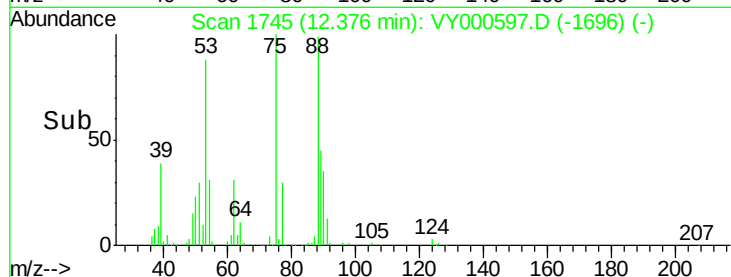
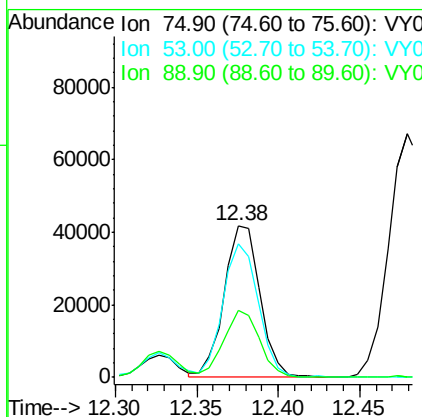
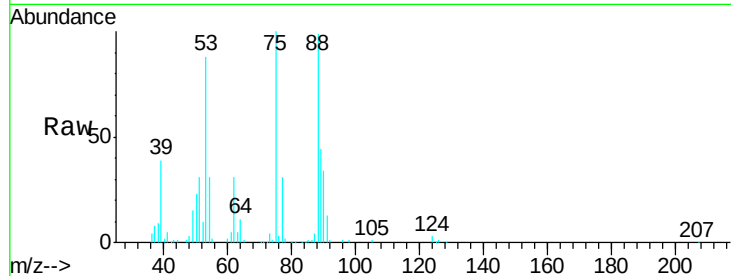
#81
trans-1,4-Dichloro-2-butene
Concen: 59.127 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.3	73.2	109.8
89	43.4	35.9	53.9

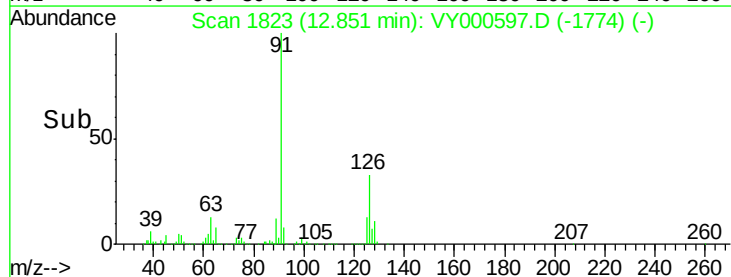
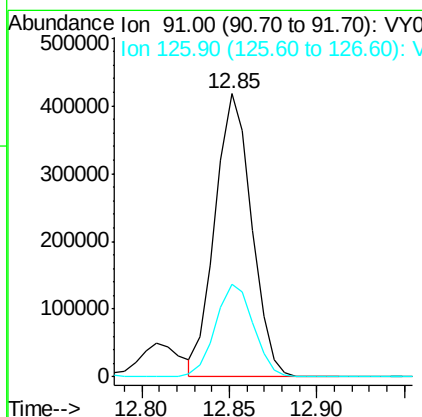
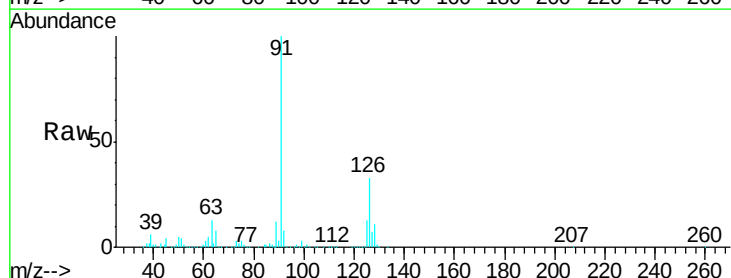
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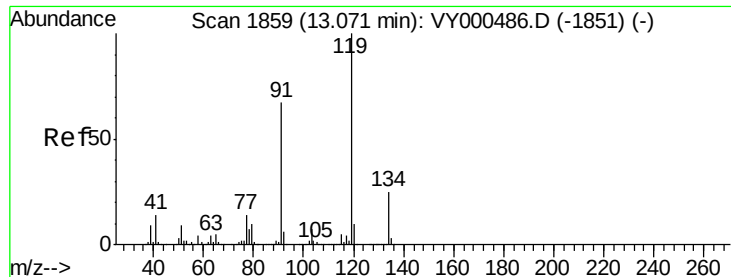
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#82
4-Chlorotoluene
Concen: 55.569 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.6	52.9





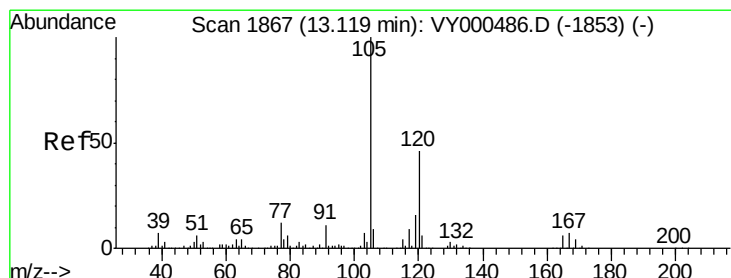
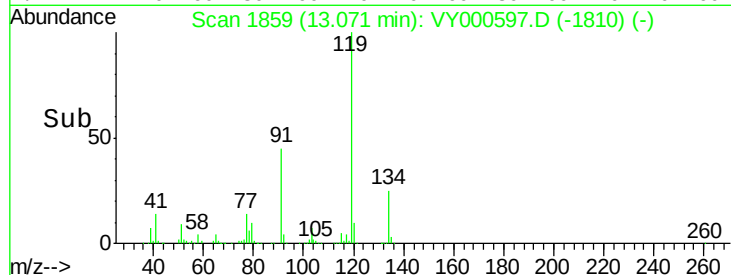
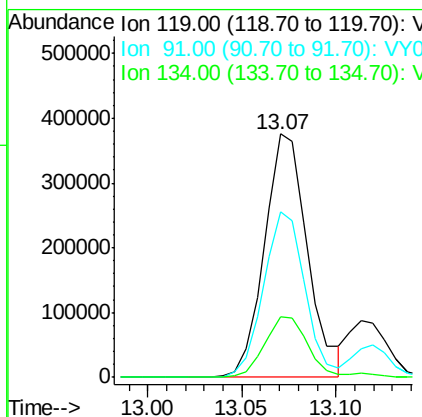
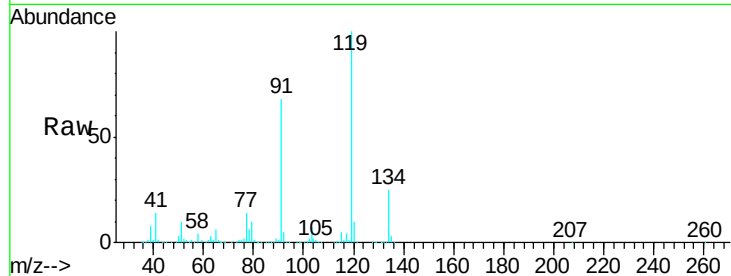
#83
 tert-Butylbenzene
 Concen: 53.084 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	594912		
91	65.4	32.1	96.3	
134	25.8	13.2	39.5	

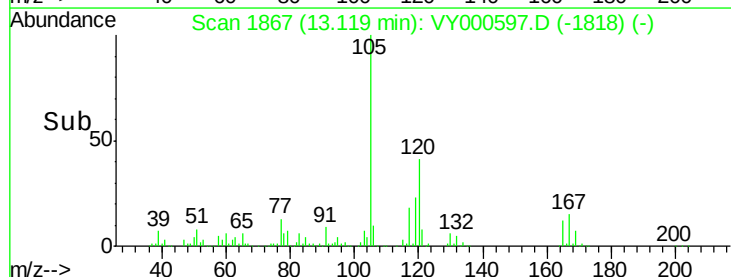
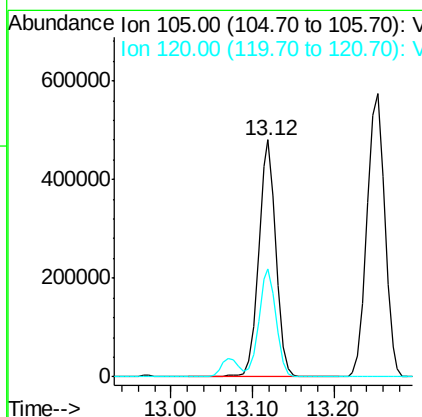
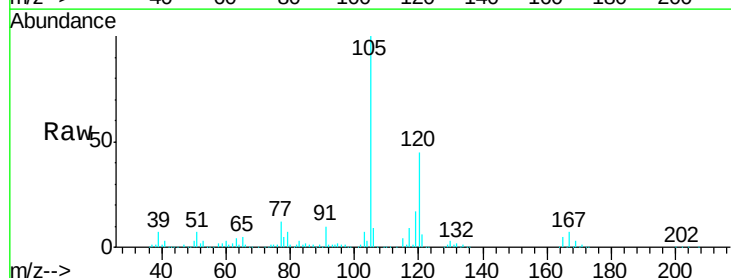
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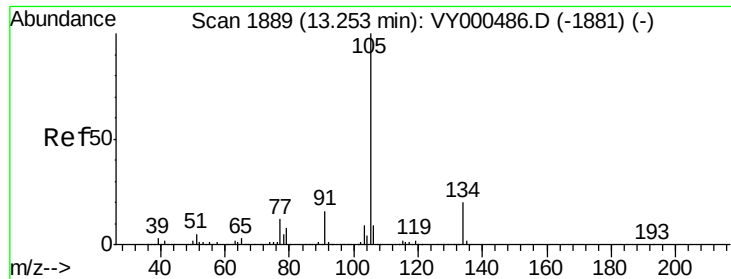
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.505 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	712290		
120	45.5	23.3	69.9	





#85

sec-Butylbenzene

Concen: 53.429 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 853085

Ion Ratio Lower Upper

105 100

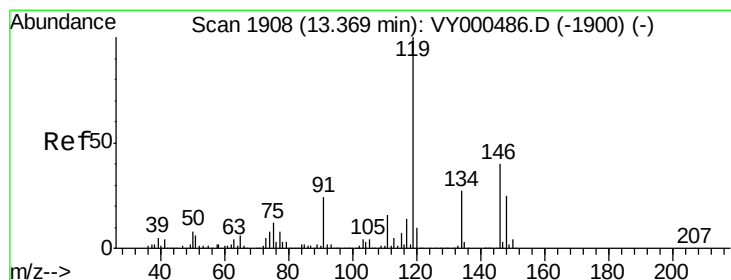
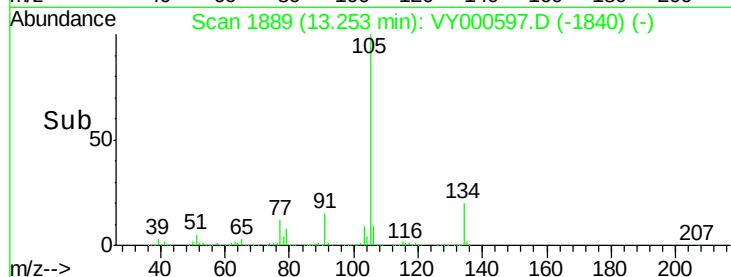
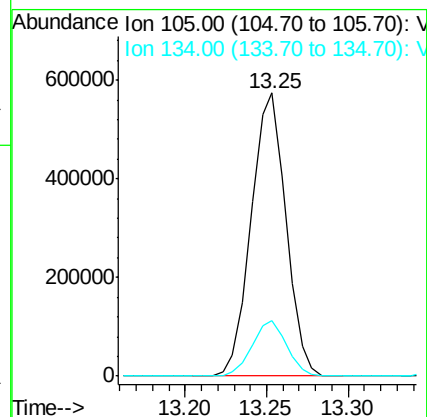
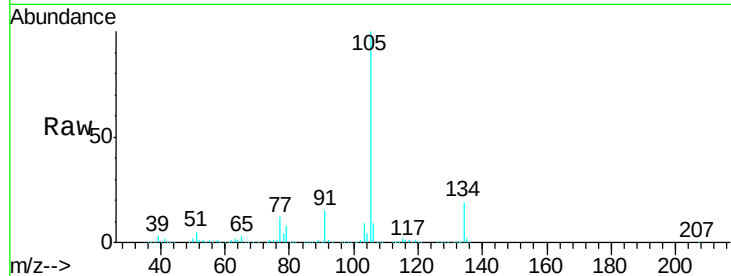
134 19.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 53.372 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

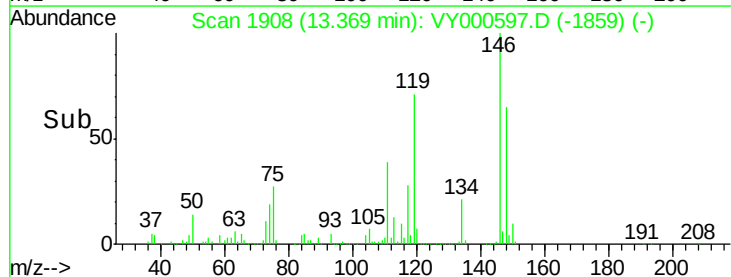
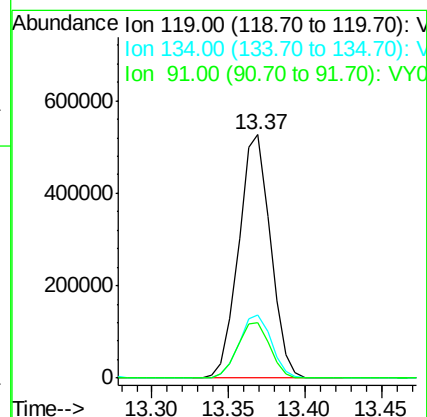
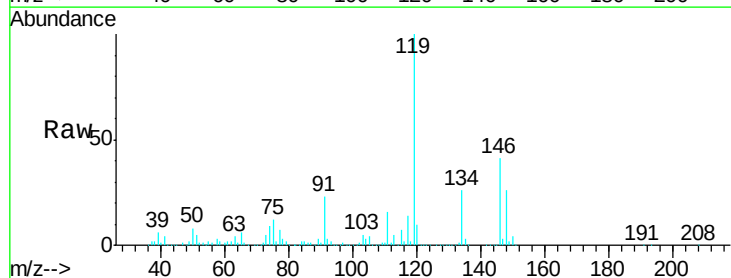
Tgt Ion:119 Resp: 759500

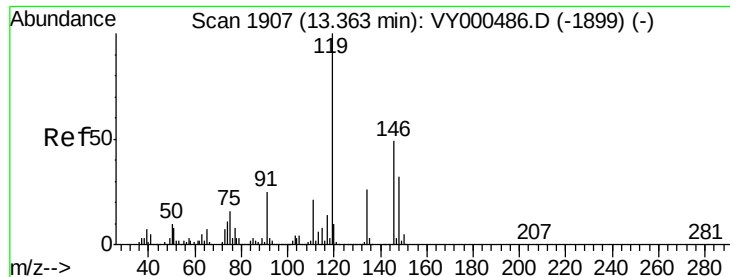
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.2 12.0 36.1





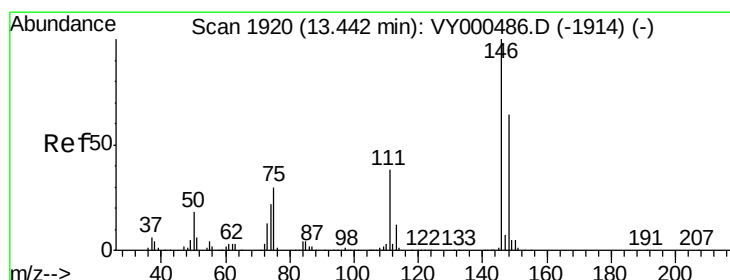
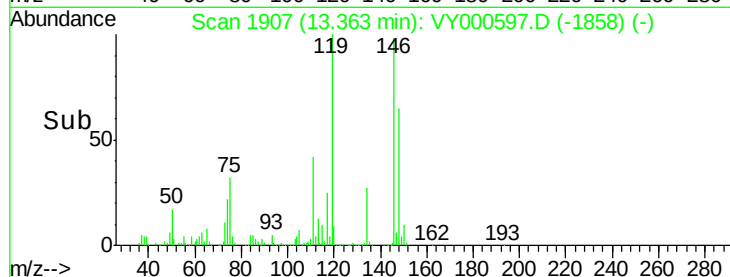
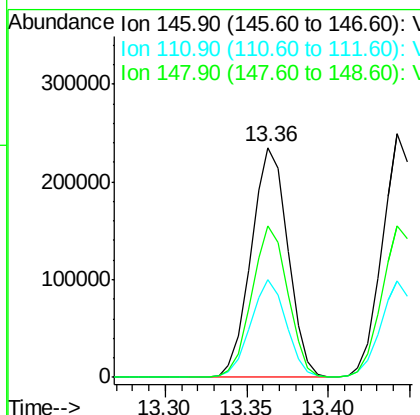
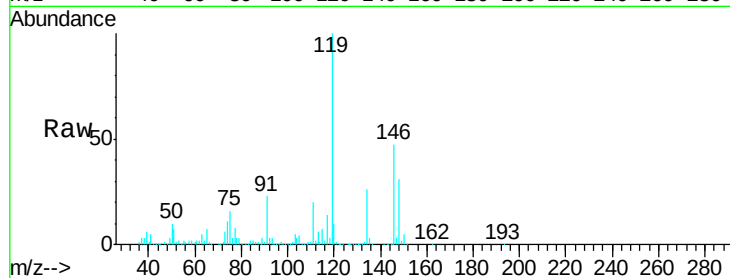
#87
 1,3-Dichlorobenzene
 Concen: 52.572 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	368004		
111	41.3	20.3	60.8	
148	64.5	31.5	94.5	

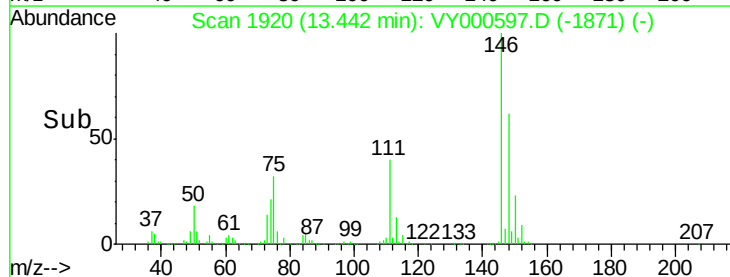
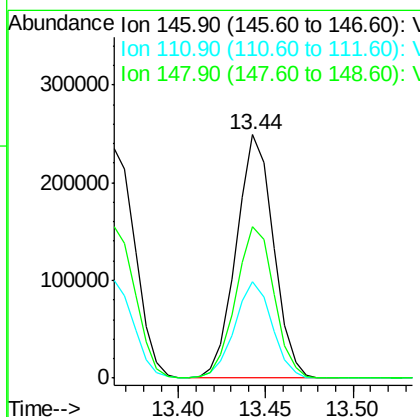
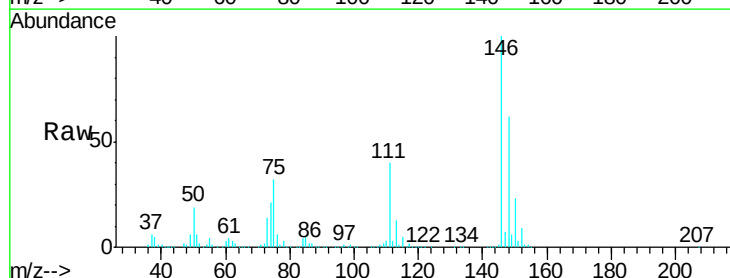
Manual Integrations
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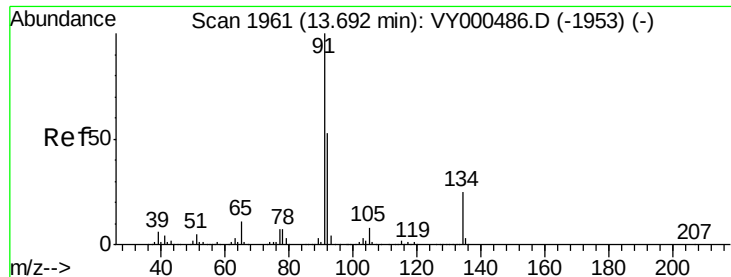
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#88
 1,4-Dichlorobenzene
 Concen: 52.756 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	369021		
111	40.1	19.7	59.0	
148	64.0	31.9	95.7	





#89

n-Butylbenzene

Concen: 52.744 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Instrument :

MSVOA_Y

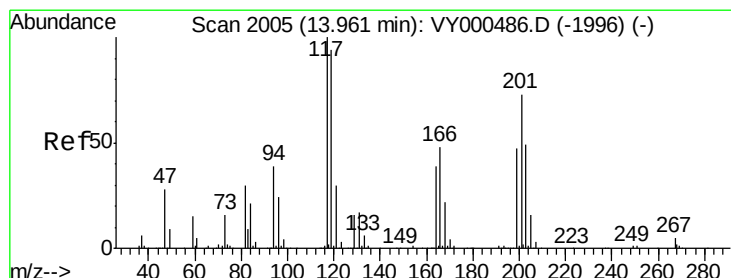
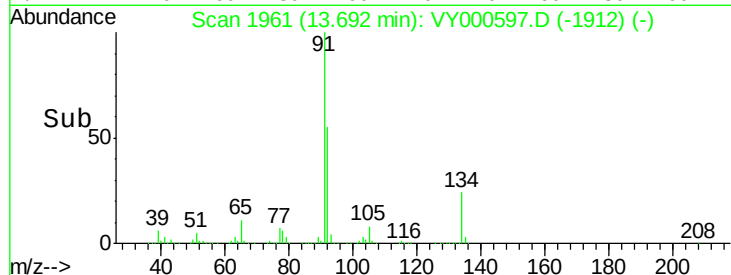
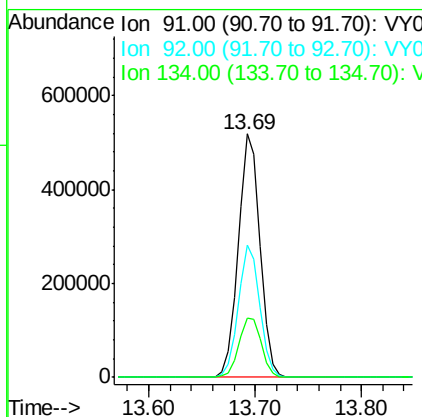
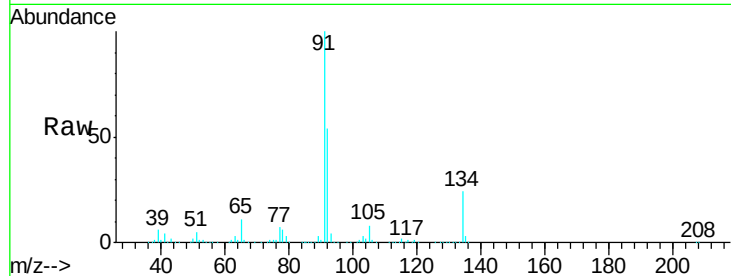
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	740281
Ion Ratio	Lower	Upper	
91	100		
92	53.8	26.8	80.3
134	25.4	12.9	38.7

Manual Integrations
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#90

Hexachloroethane

Concen: 54.130 ug/l

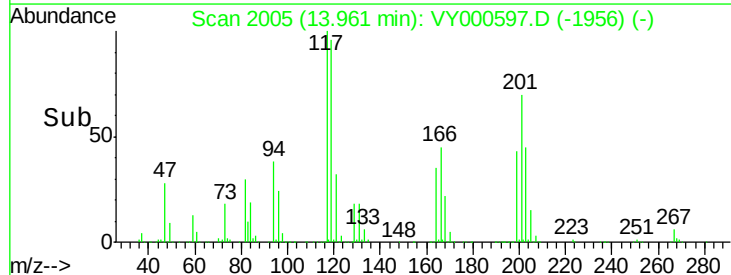
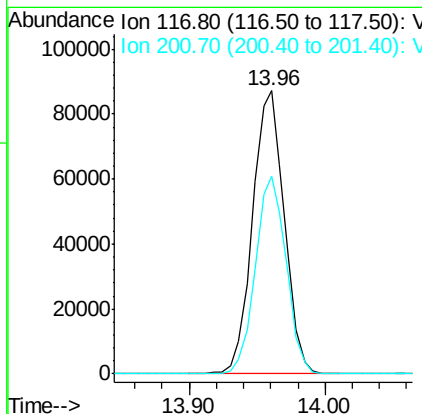
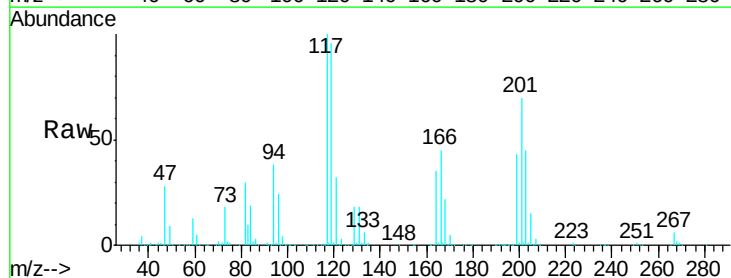
RT: 13.96 min Scan# 2005

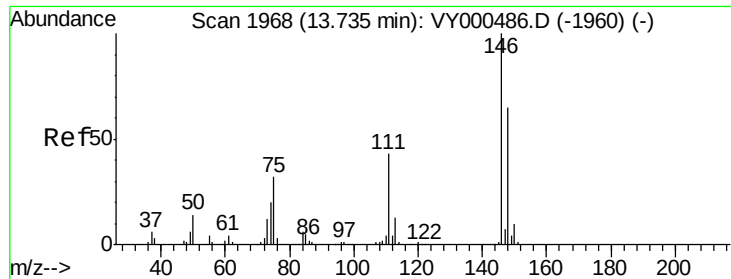
Delta R.T. 0.00 min

Lab File: VY000597.D

Acq: 07 Nov 2019 22:03

Tgt Ion:	117	Resp:	142404
Ion Ratio	Lower	Upper	
117	100		
201	67.8	35.8	107.3





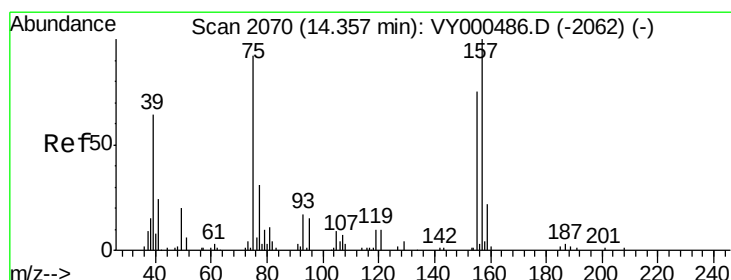
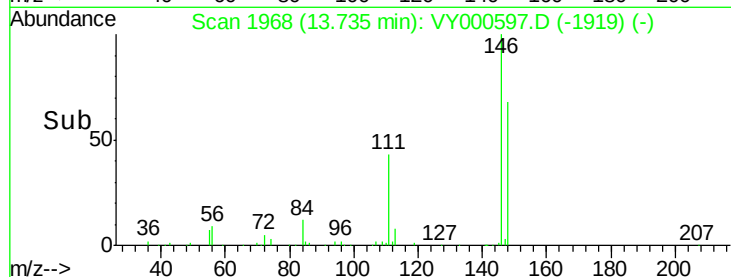
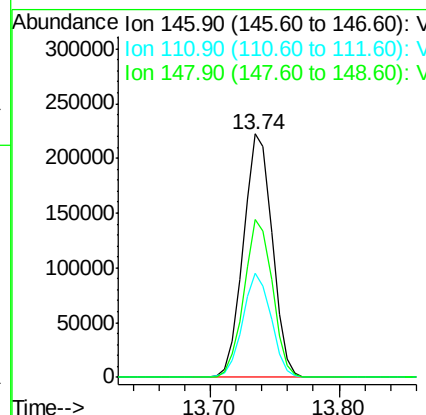
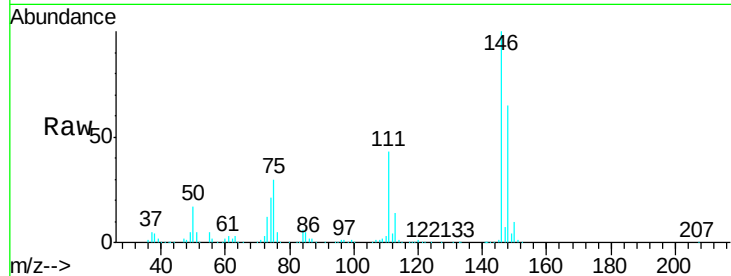
#91
 1,2-Dichlorobenzene
 Concen: 54.239 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.5
148	63.6	31.7	95.1

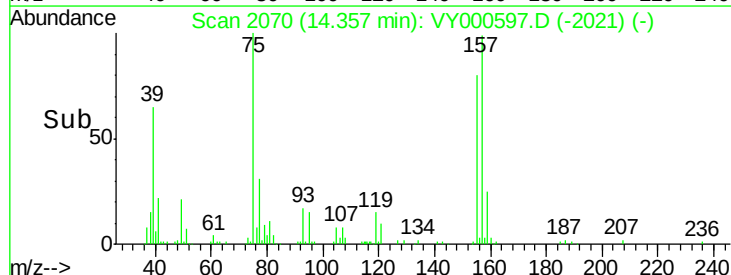
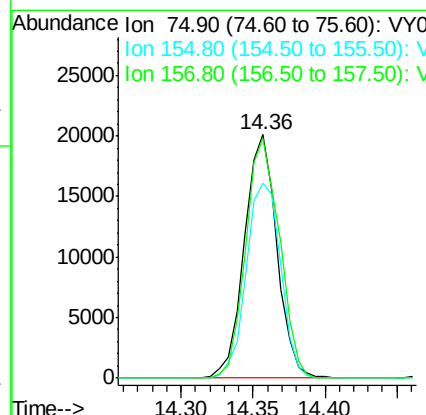
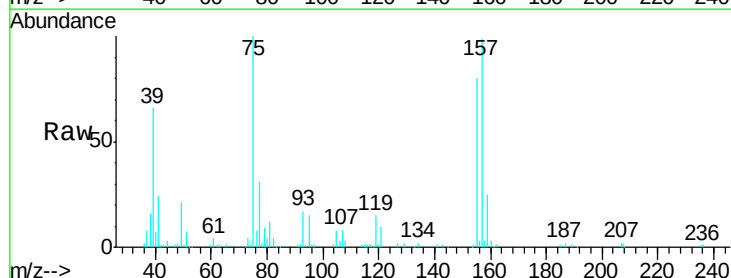
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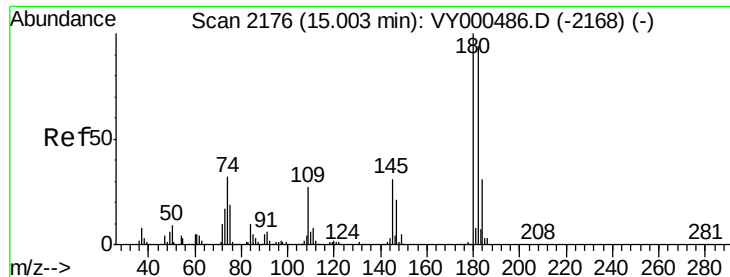
MMDadoda
 11/8/2019 4:07:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.775 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	42.4	127.1
157	102.0	55.1	165.3





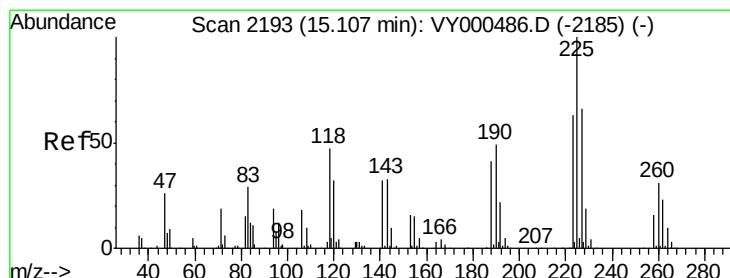
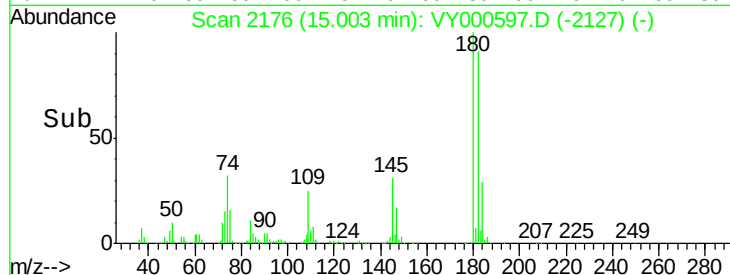
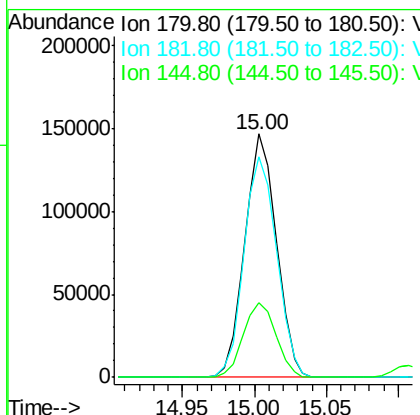
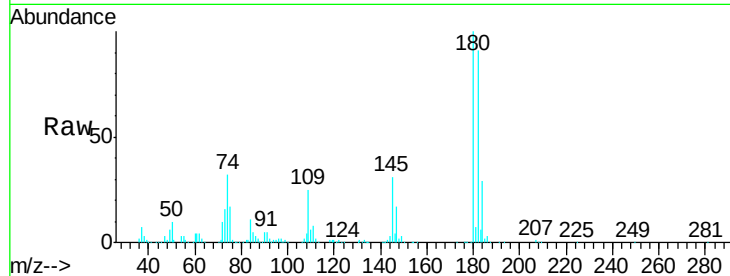
#93
 1,2,4-Trichlorobenzene
 Concen: 51.508 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	222743		
182	93.7	47.8	143.4	
145	31.7	16.0	47.9	

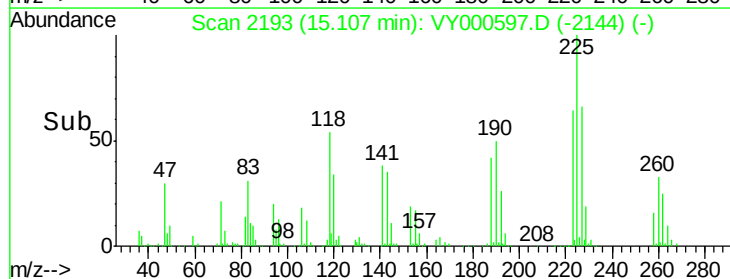
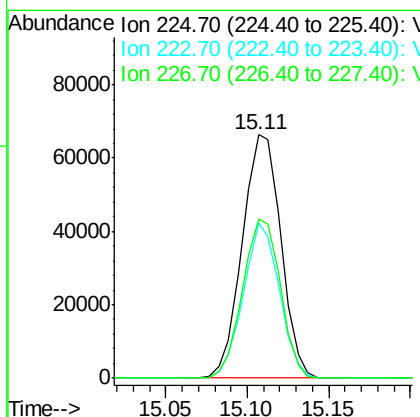
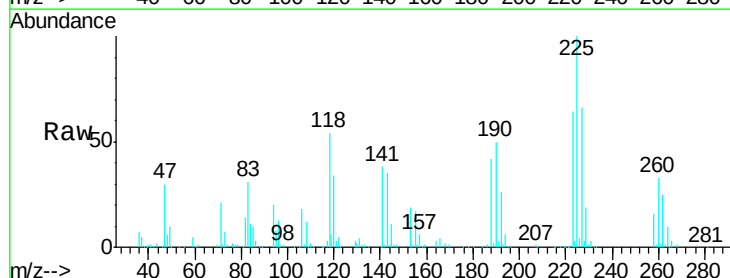
Manual Integrations
 APPROVED

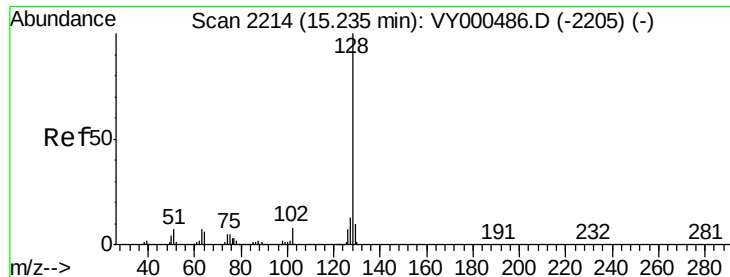
MMDadoda
 11/8/2019 4:07:15 PM



#94
 Hexachlorobutadiene
 Concen: 49.025 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000597.D
 Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109285		
223	59.9	31.3	93.8	
227	64.0	32.4	97.0	





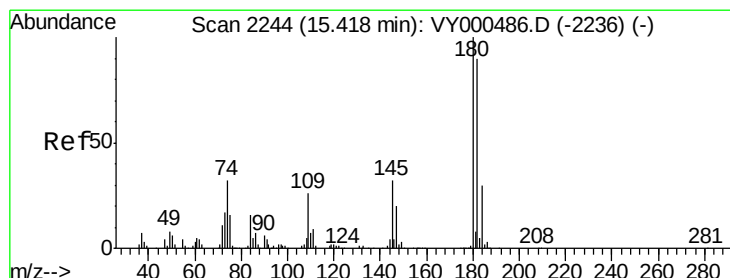
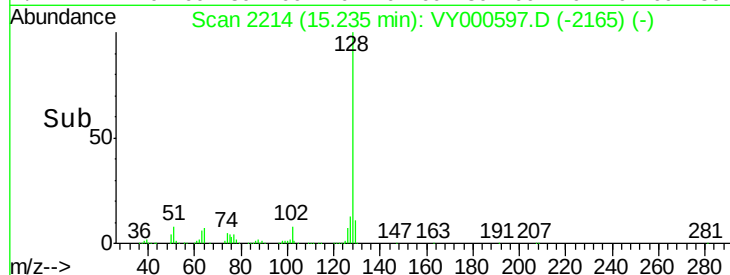
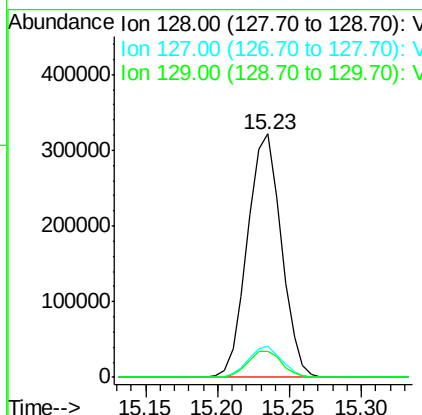
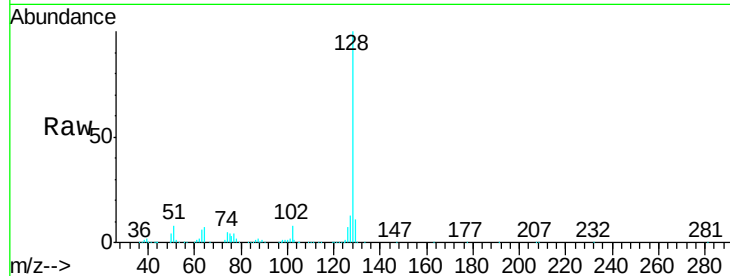
#95
Naphthalene
Concen: 54.459 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	522803		
127	12.7		9.8	14.6
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.032 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000597.D
Acq: 07 Nov 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201870		
182	95.4		47.4	142.3
145	33.1		15.7	47.0

