

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000832.D
 Acq On : 03 Dec 2019 10:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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12/4/2019 2:06:12 PM

Quant Time: Dec 03 12:06:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	367108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	639155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	557335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	259146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	194252	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.72	113	191498	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.18	98	794014	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.48	95	275116	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	177621	44.947	ug/l	98
3) Chloromethane	2.12	50	227697	46.743	ug/l	99
4) Vinyl Chloride	2.25	62	223862	46.630	ug/l	100
5) Bromomethane	2.64	94	135971	46.690	ug/l	98
6) Chloroethane	2.79	64	139279	47.318	ug/l	99
7) Trichlorofluoromethane	3.13	101	325696	49.502	ug/l	92
8) Diethyl Ether	3.53	74	123161	49.735	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	206043	50.712	ug/l	98
10) Methyl Iodide	4.09	142	271563	53.086	ug/l	99
11) Tert butyl alcohol	4.96	59	93757	238.900	ug/l	100
12) 1,1-Dichloroethene	3.87	96	201672	50.103	ug/l	95
13) Acrolein	3.72	56	96684	250.092	ug/l	98
14) Allyl chloride	4.48	41	348599	50.509	ug/l	97
15) Acrylonitrile	5.18	53	315375	246.636	ug/l	99
16) Acetone	3.95	43	210217	234.920	ug/l	96
17) Carbon Disulfide	4.19	76	653607	50.207	ug/l	98
18) Methyl Acetate	4.48	43	175160	46.814	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	549833	51.149	ug/l	98
20) Methylene Chloride	4.72	84	232805	49.355	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	230085	50.291	ug/l	94
22) Diisopropyl ether	6.13	45	704211	49.644	ug/l	98
23) Vinyl Acetate	6.07	43	2143511	248.561	ug/l	98
24) 1,1-Dichloroethane	6.03	63	393419	50.320	ug/l	97
25) 2-Butanone	6.99	43	412068	249.282	ug/l	99
26) 2,2-Dichloropropane	6.99	77	332956	50.599	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	251299	50.815	ug/l	99
28) Bromochloromethane	7.34	49	158501	55.079	ug/l	99
29) Tetrahydrofuran	7.35	42	264807	241.749	ug/l	99
30) Chloroform	7.52	83	373219	47.586	ug/l	96
31) Cyclohexane	7.78	56	387604	46.799	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	328519	50.725	ug/l	98
36) 1,1-Dichloropropene	7.93	75	313809	49.379	ug/l	100
37) Ethyl Acetate	7.08	43	171305	46.683	ug/l	100
38) Carbon Tetrachloride	7.91	117	283187	50.036	ug/l	96

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12/4/2019 2:06:12 PM

Quant Time: Dec 03 12:06:09 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 27 12:40:47 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	414115	49.184	ug/l	99
40) Benzene	8.16	78	925042	49.972	ug/l	99
41) Methacrylonitrile	7.33	41	91967m	47.552	ug/l	
42) 1,2-Dichloroethane	8.24	62	236145	48.507	ug/l	99
43) Isopropyl Acetate	8.28	43	327245	47.323	ug/l	97
44) Trichloroethene	8.94	130	243551	51.194	ug/l	96
45) 1,2-Dichloropropane	9.22	63	234256	50.380	ug/l	95
46) Dibromomethane	9.30	93	121722	50.103	ug/l	99
47) Bromodichloromethane	9.50	83	289663	50.754	ug/l	100
48) Methyl methacrylate	9.30	41	141787	46.628	ug/l	91
49) 1,4-Dioxane	9.30	88	32953	957.284	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	859965	240.691	ug/l	99
52) Toluene	10.24	92	570514	49.777	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	319272	52.070	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	372356	51.377	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	179389	49.978	ug/l	97
56) Ethyl methacrylate	10.51	69	267946	52.183	ug/l	97
57) 1,3-Dichloropropane	10.79	76	312629	49.974	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	487051	235.248	ug/l	100
59) 2-Hexanone	10.83	43	673147	258.556	ug/l	99
60) Dibromochloromethane	10.99	129	198449	51.359	ug/l	99
61) 1,2-Dibromoethane	11.09	107	174124	51.474	ug/l	96
64) Tetrachloroethene	10.72	164	249304	51.485	ug/l	98
65) Chlorobenzene	11.52	112	596721	51.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	203519	52.128	ug/l	99
67) Ethyl Benzene	11.59	91	1101014	51.030	ug/l	99
68) m/p-Xylenes	11.70	106	820536	101.321	ug/l	98
69) o-Xylene	12.03	106	393263	52.082	ug/l	98
70) Styrene	12.04	104	675390	52.237	ug/l	99
71) Bromoform	12.20	173	117208	53.229	ug/l #	99
73) Isopropylbenzene	12.33	105	1046719	50.728	ug/l	100
74) N-amyl acetate	12.14	43	284679	49.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	200126	49.224	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	150842m	51.375	ug/l	
77) Bromobenzene	12.61	156	230638	51.566	ug/l	98
78) n-propylbenzene	12.67	91	1275244	50.617	ug/l	99
79) 2-Chlorotoluene	12.75	91	705684	50.701	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	874334	51.178	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	79102	52.920	ug/l	97
82) 4-Chlorotoluene	12.85	91	730998	50.977	ug/l	99
83) tert-Butylbenzene	13.08	119	730805	50.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	871613	50.994	ug/l	100
85) sec-Butylbenzene	13.25	105	1066785	51.068	ug/l	100
86) p-Isopropyltoluene	13.37	119	932620	51.329	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	443632	50.562	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	447370	51.495	ug/l	99
89) n-Butylbenzene	13.70	91	943087	51.338	ug/l	99
90) Hexachloroethane	13.96	117	176580	52.757	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	409949	51.943	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	33762	49.603	ug/l	99

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Manual Integrations
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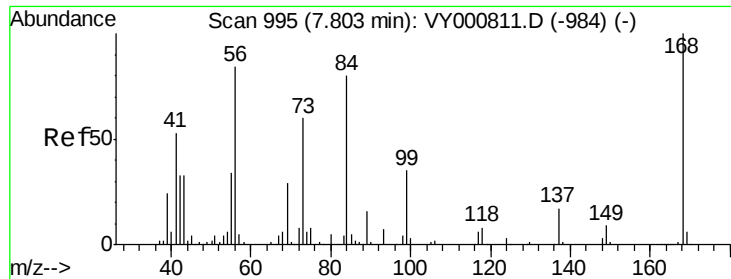
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12/4/2019 2:06:12 PM

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Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	273766	51.263	ug/l	100
94) Hexachlorobutadiene	15.11	225	136716	51.634	ug/l	99
95) Naphthalene	15.23	128	629349	50.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	246105	51.592	ug/l	98

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

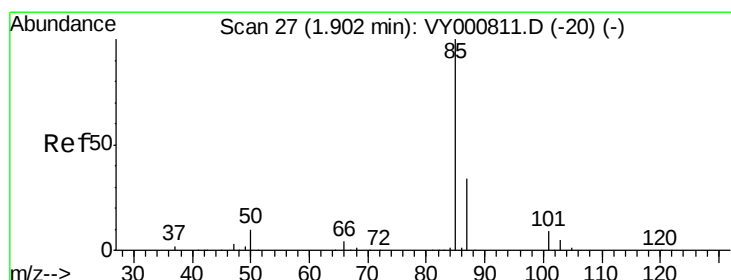
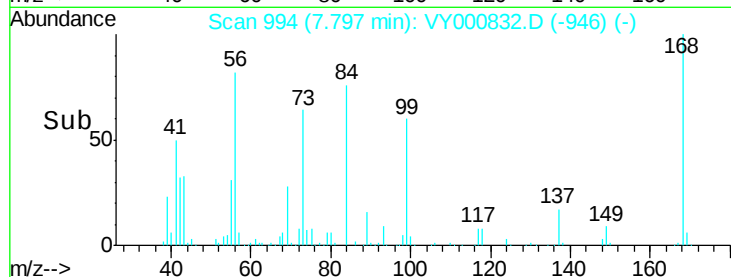
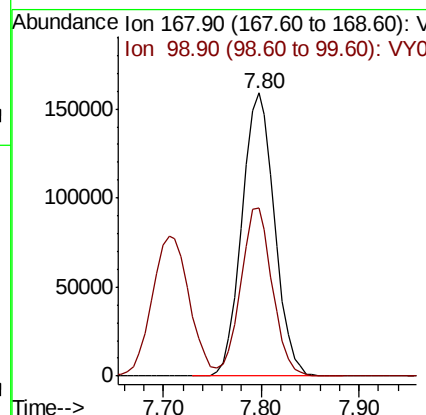
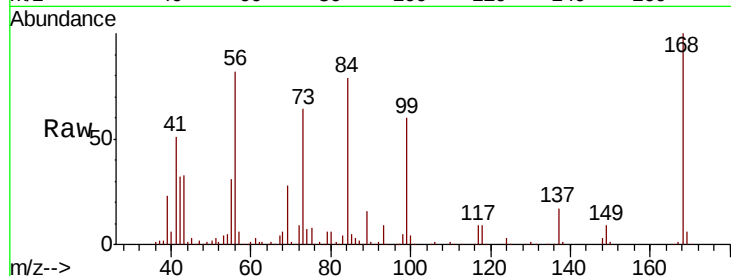
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 367108
Ion Ratio Lower Upper
168 100
99 59.5 45.0 67.6

Manual Integrations
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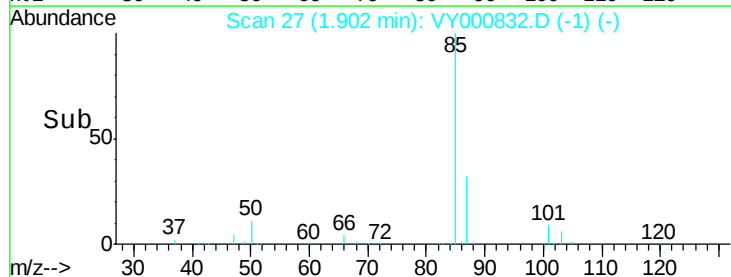
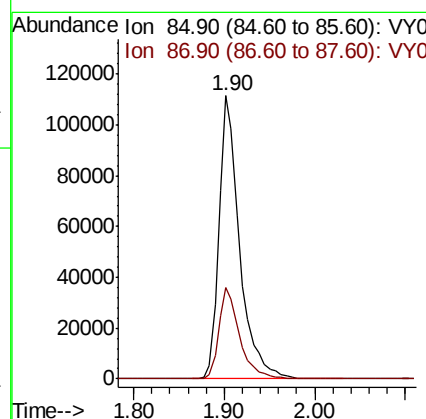
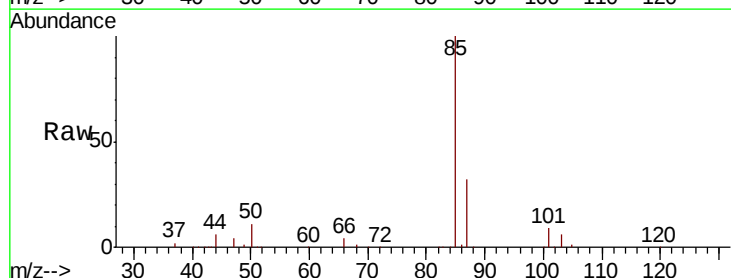
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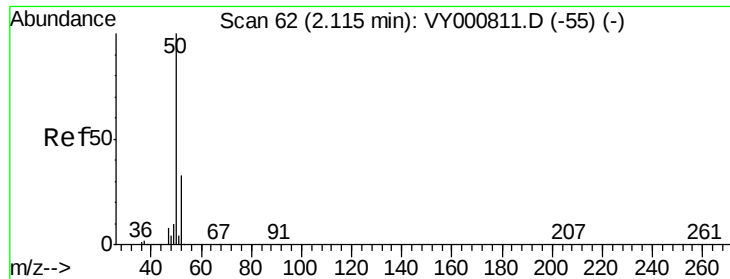
12/4/2019 2:06:12 PM



#2
Dichlorodifluoromethane
Concen: 44.947 ug/l
RT: 1.90 min Scan# 27
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion: 85 Resp: 177621
Ion Ratio Lower Upper
85 100
87 32.3 16.8 50.3





#3

Chloromethane

Concen: 46.743 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 227697

Ion Ratio Lower Upper

50 100

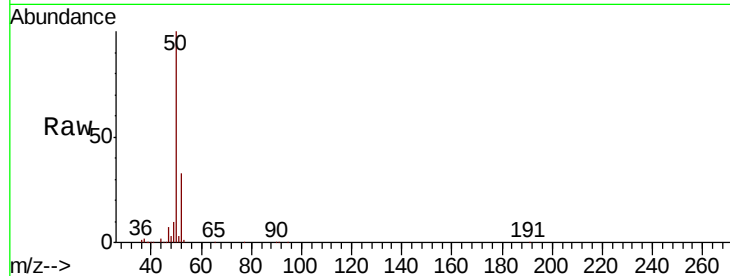
52 33.1 26.0 39.0

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

2.12

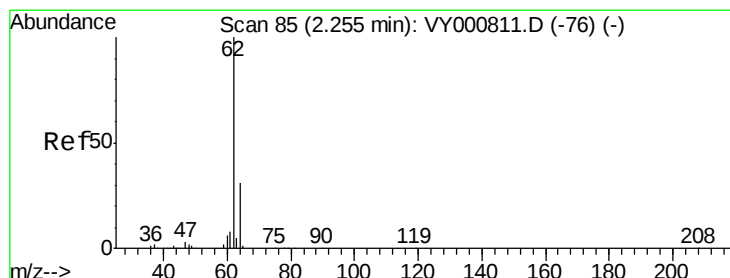
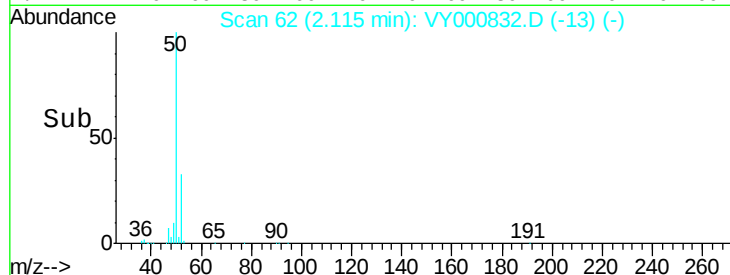
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.630 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000832.D

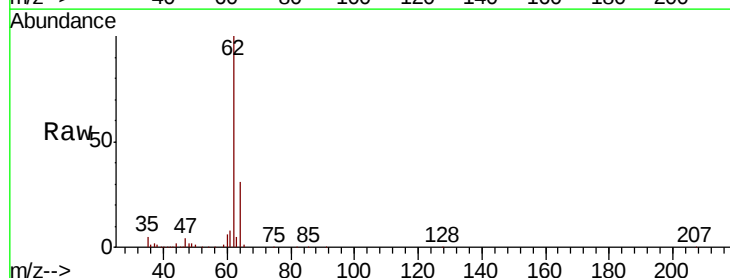
Acq: 03 Dec 2019 10:24

Tgt Ion: 62 Resp: 223862

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

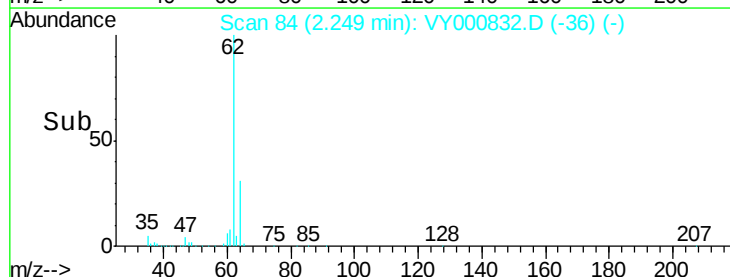
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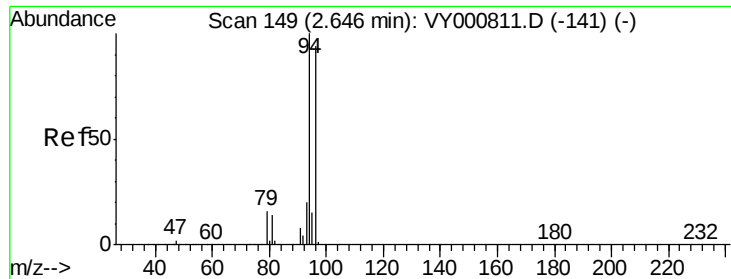
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.690 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 135971

Ion Ratio Lower Upper

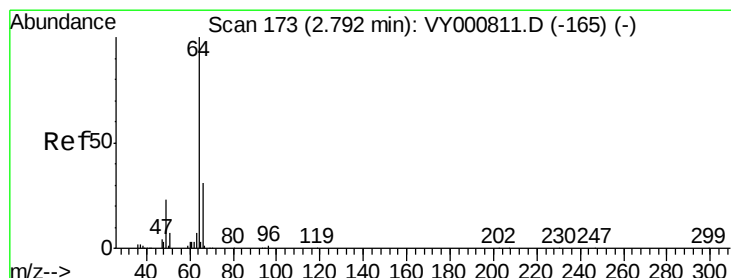
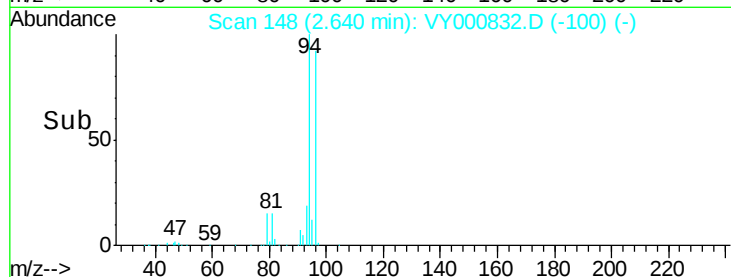
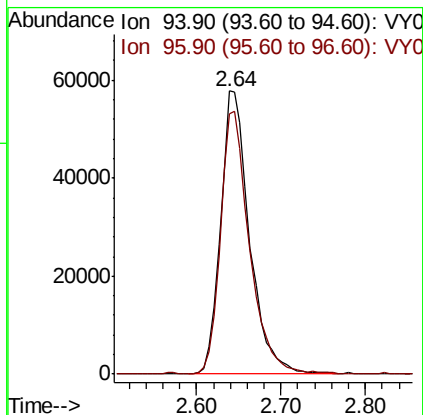
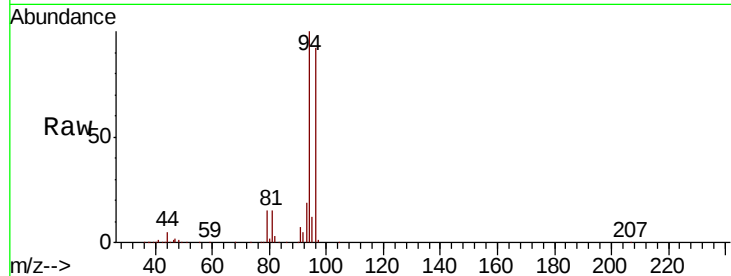
94 100

96 92.1 75.2 112.8

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 47.318 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000832.D

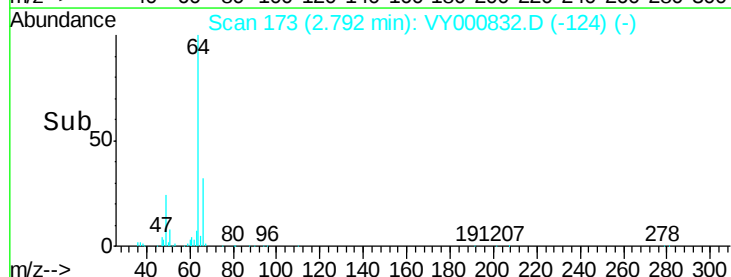
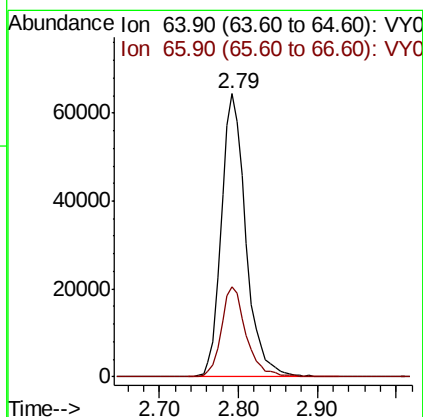
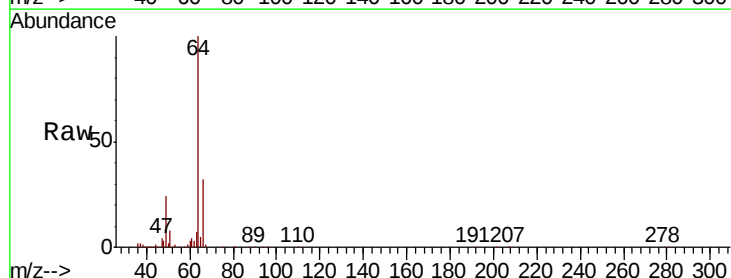
Acq: 03 Dec 2019 10:24

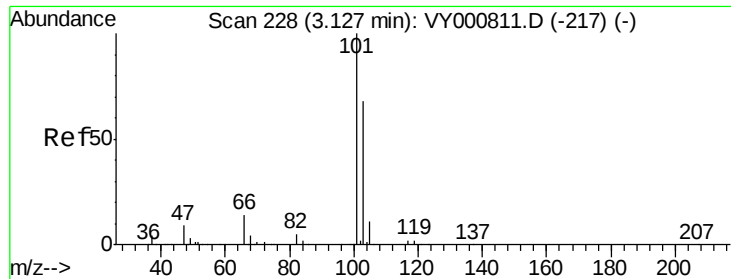
Tgt Ion: 64 Resp: 139279

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4





#7

Trichlorofluoromethane
 Concen: 49.502 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

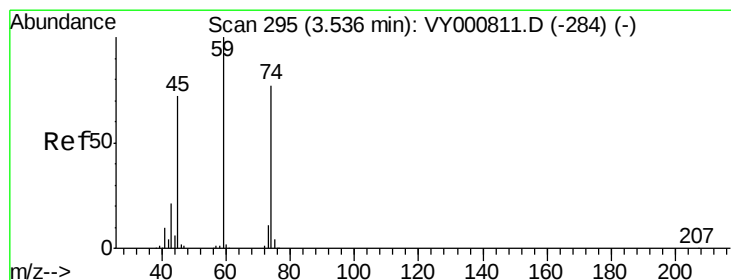
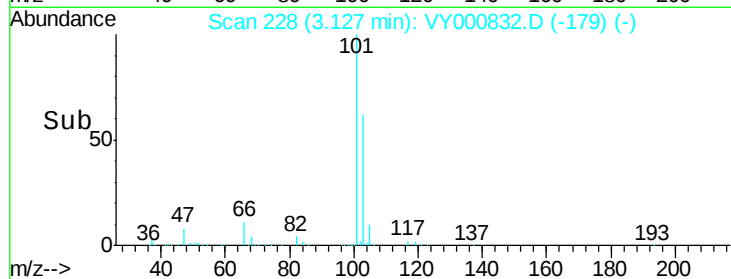
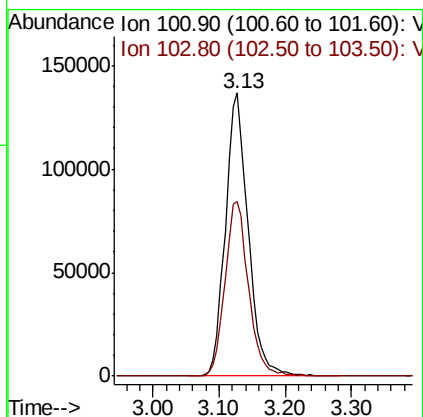
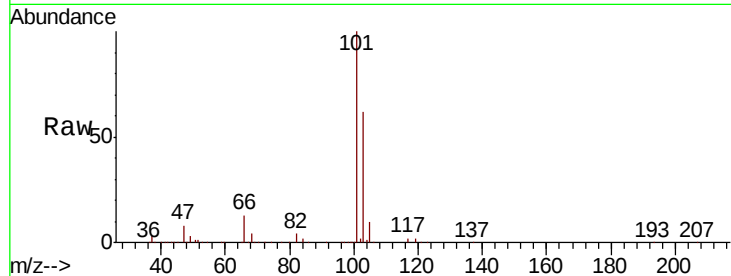
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	54.2	81.2

Manual Integrations
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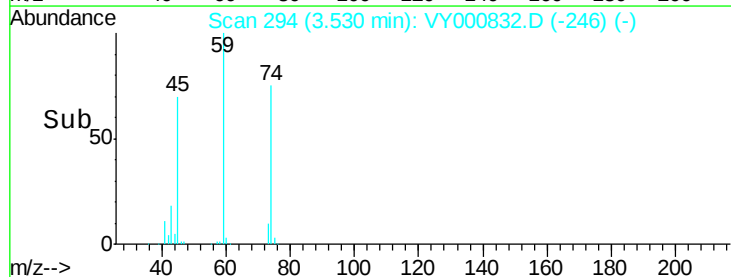
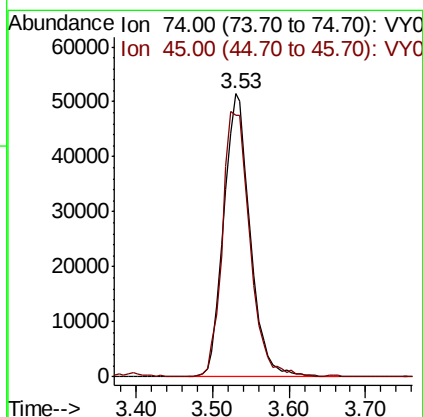
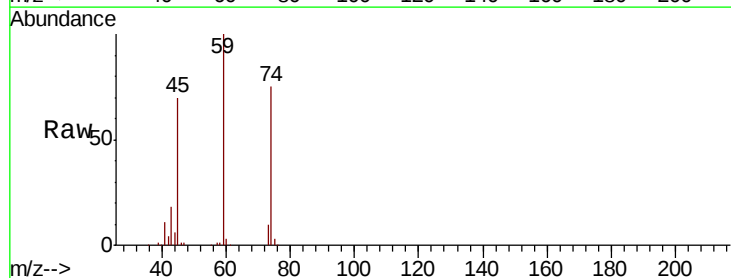
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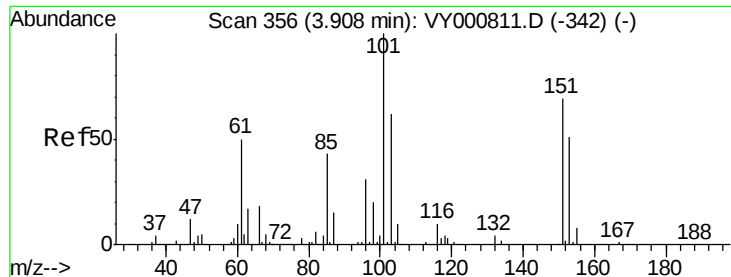


#8

Diethyl Ether
 Concen: 49.735 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.712 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

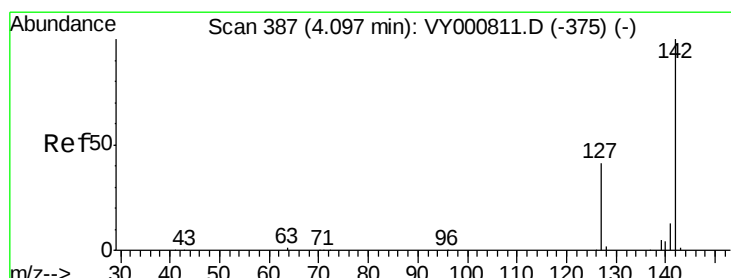
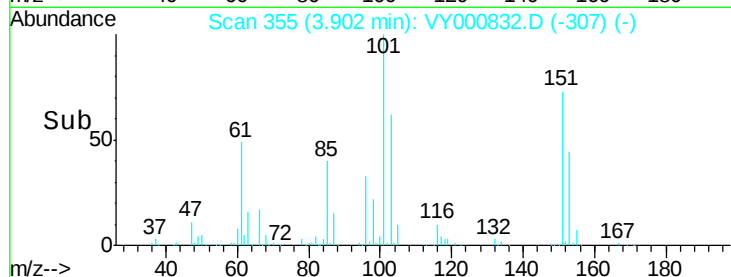
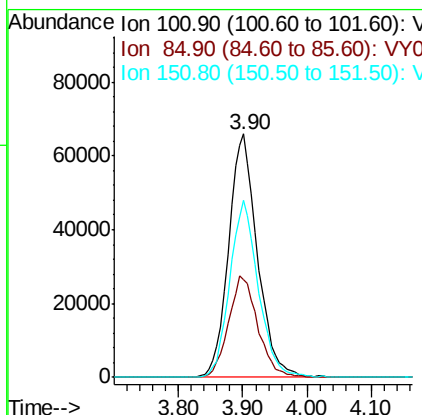
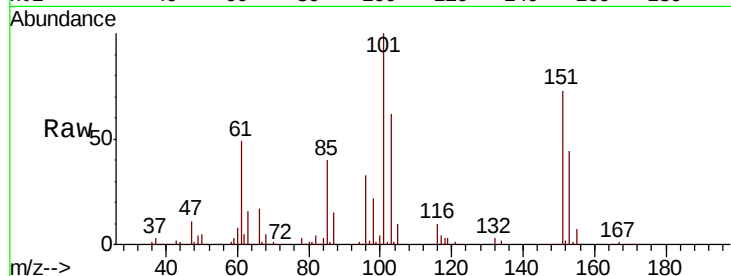
VSTDCCC050

Tot Ion:	101	Resp:	206043
Ion Ratio	Lower	Upper	
101	100		
85	42.7	36.0	54.0
151	72.1	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 53.086 ug/l

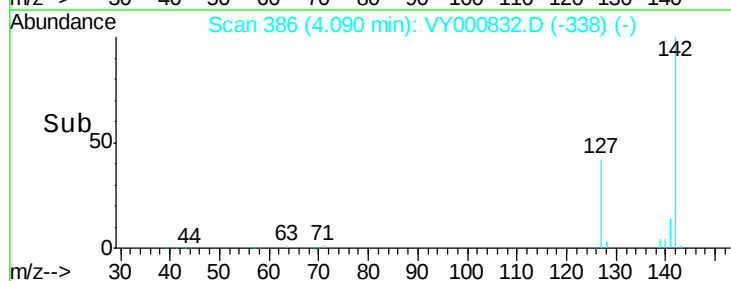
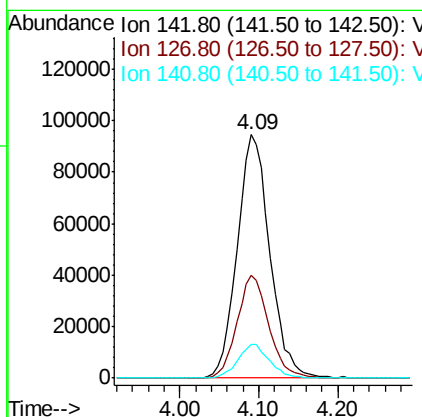
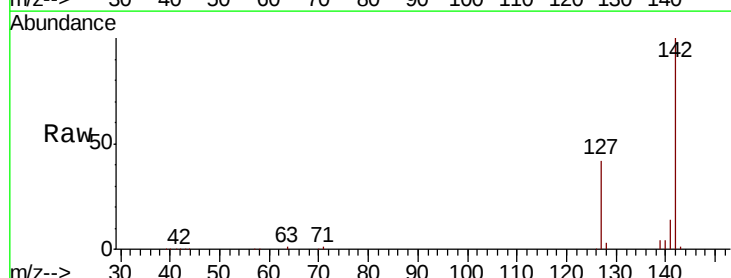
RT: 4.09 min Scan# 386

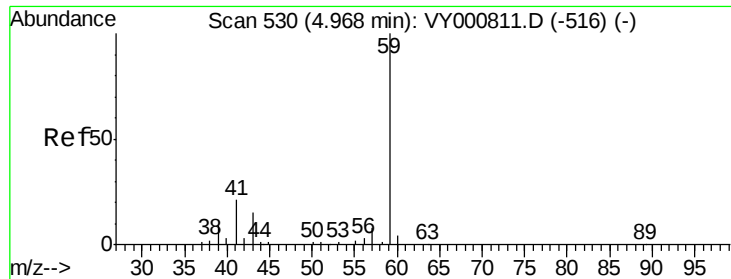
Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	142	Resp:	271563
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.8
141	13.6	10.9	16.3





#11
Tert butyl alcohol
Concen: 238.900 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

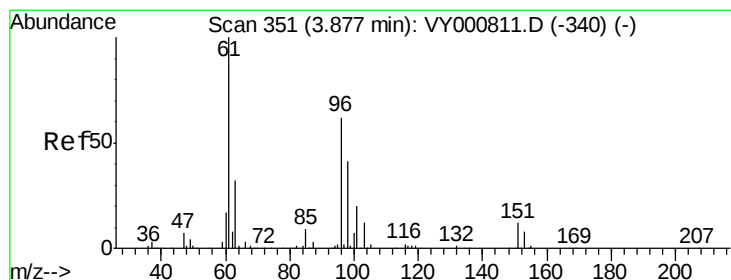
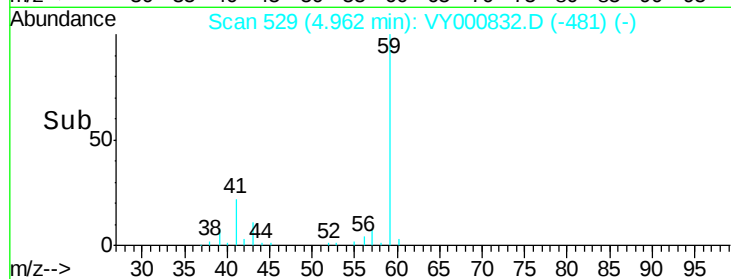
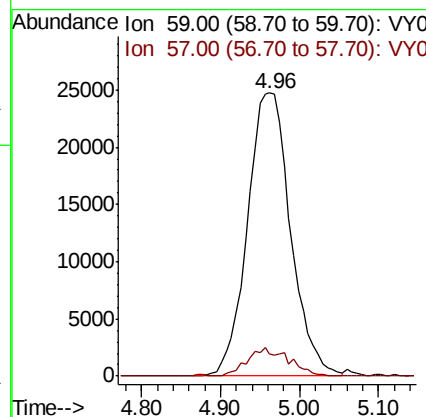
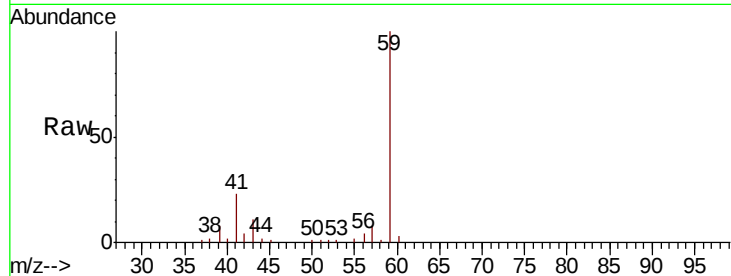
Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

Manual Integrations
APPROVED

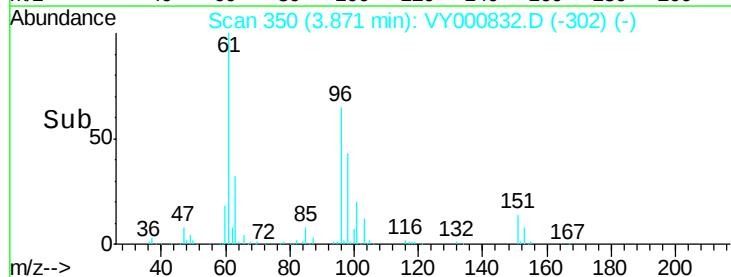
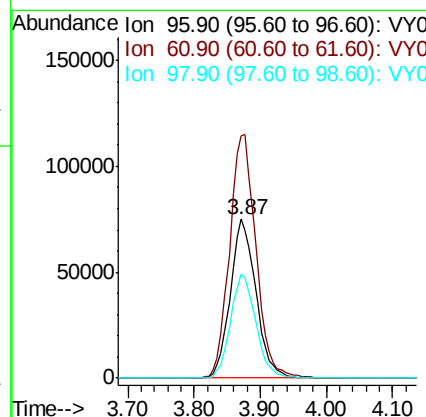
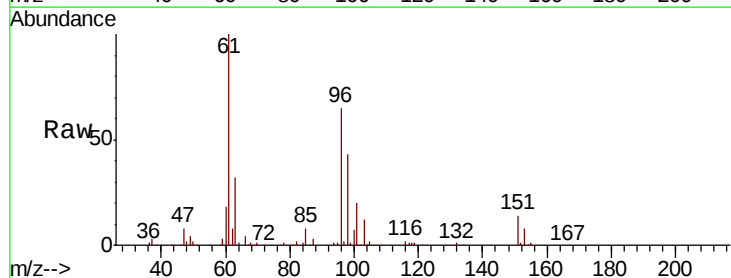
MMDadoda

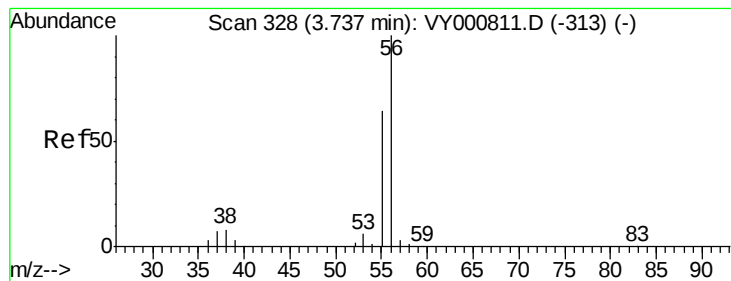
12/4/2019 2:06:12 PM



#12
1,1-Dichloroethene
Concen: 50.103 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	129.4	194.2
98	65.9	53.4	80.0





#13

Acrolein

Concen: 250.092 ug/l

RT: 3.72 min Scan# 326

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96684

Ion Ratio Lower Upper

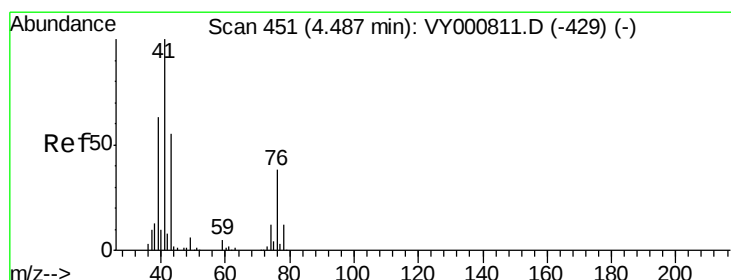
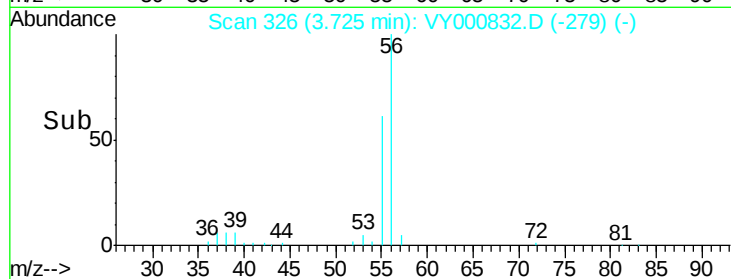
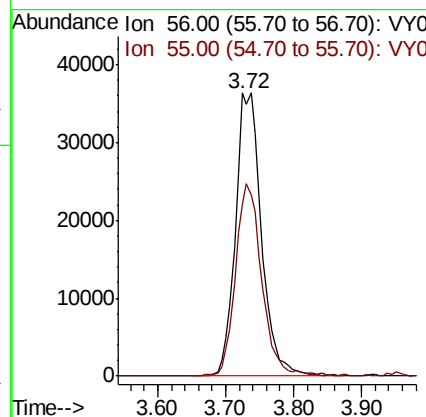
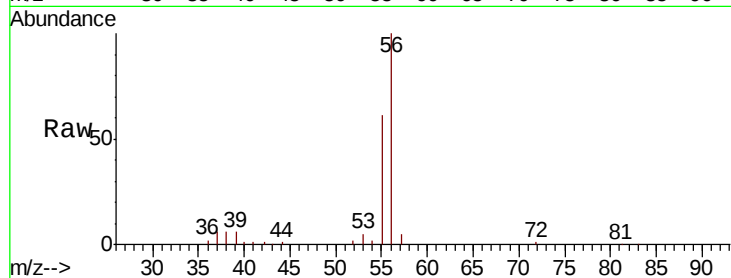
56 100

55 68.1 55.7 83.5

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 50.509 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

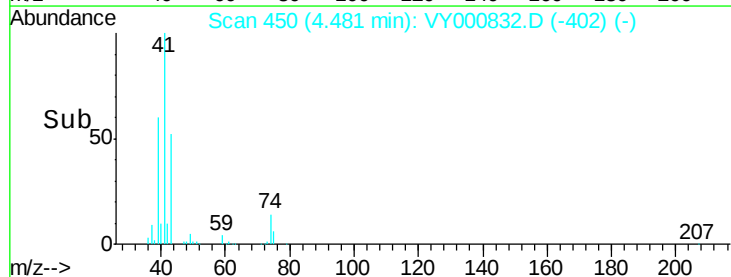
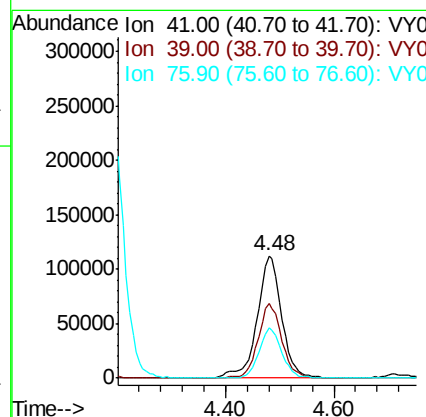
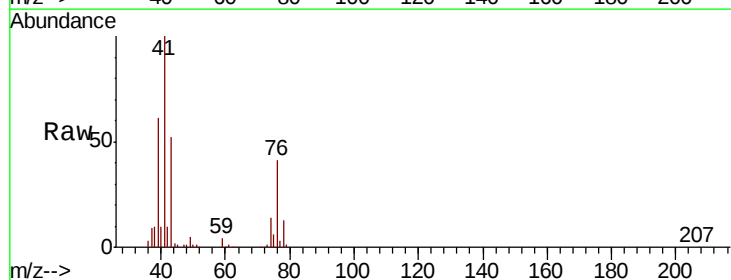
Tgt Ion: 41 Resp: 348599

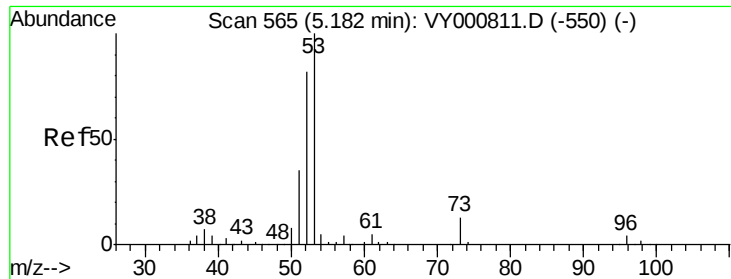
Ion Ratio Lower Upper

41 100

39 59.1 49.2 73.8

76 38.1 29.2 43.8





#15

Acrylonitrile

Concen: 246.636 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

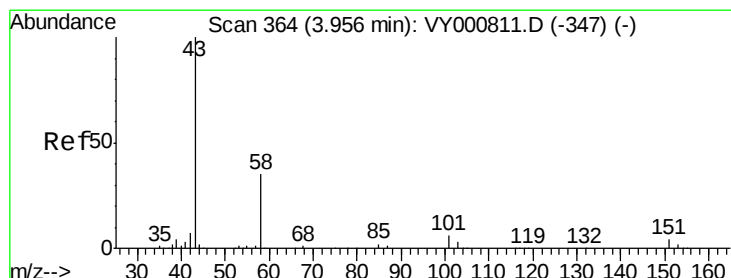
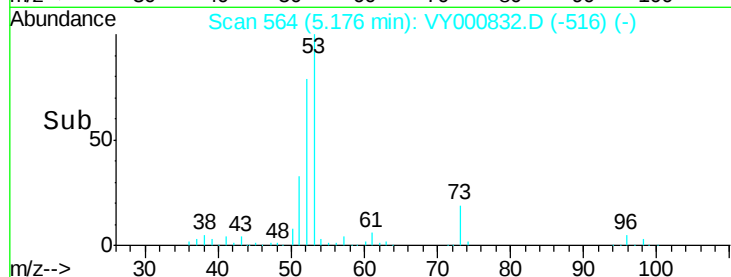
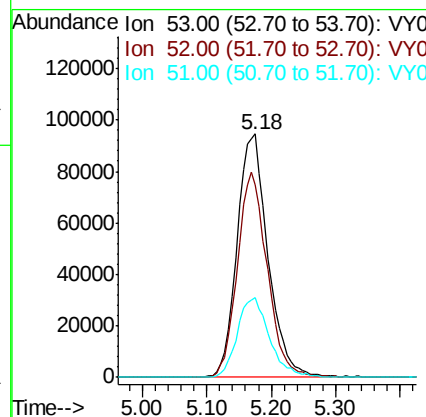
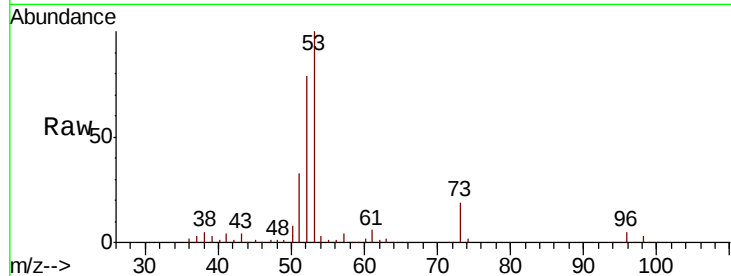
VSTDCCC050

Tot Ion:	53	Resp:	315375
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.1	97.7
51	34.0	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 234.920 ug/l

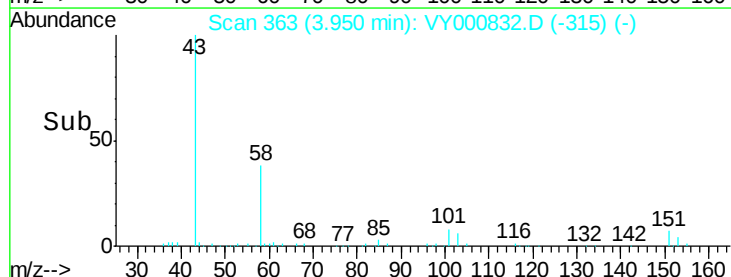
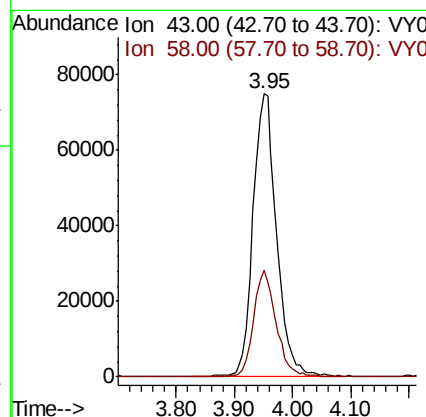
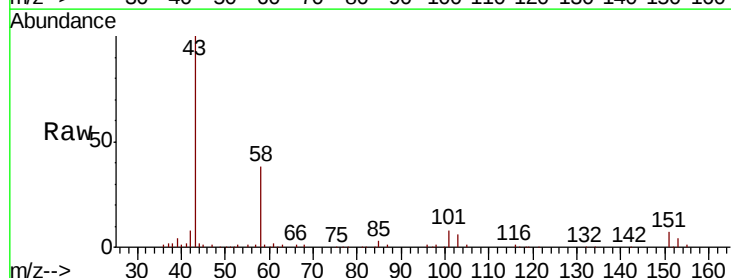
RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	43	Resp:	210217
Ion Ratio	Lower	Upper	
43	100		
58	37.3	28.0	42.0





#17
Carbon Disulfide
Concen: 50.207 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

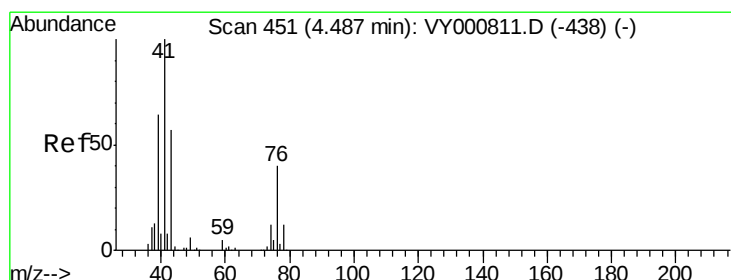
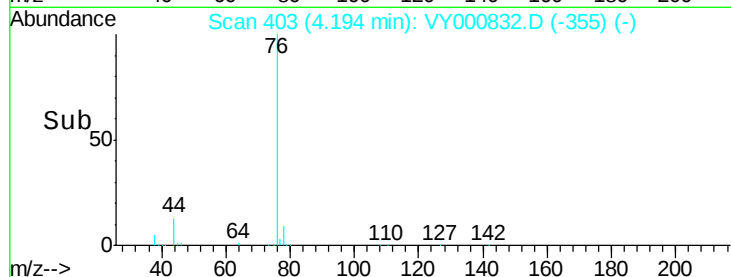
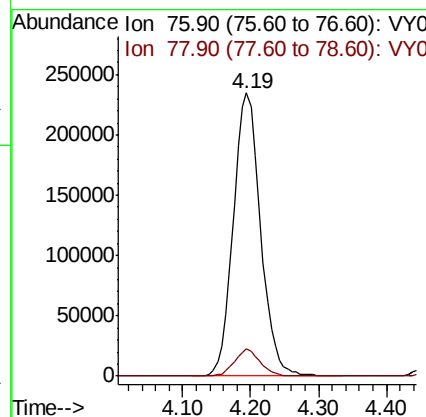
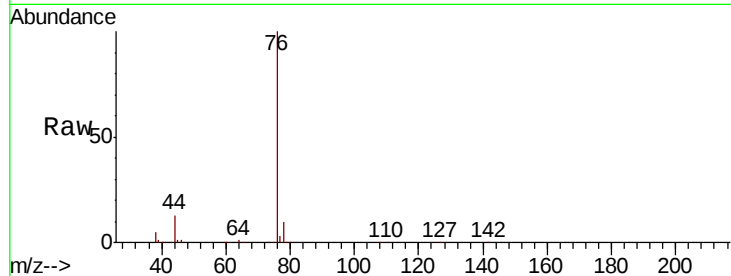
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

Manual Integrations
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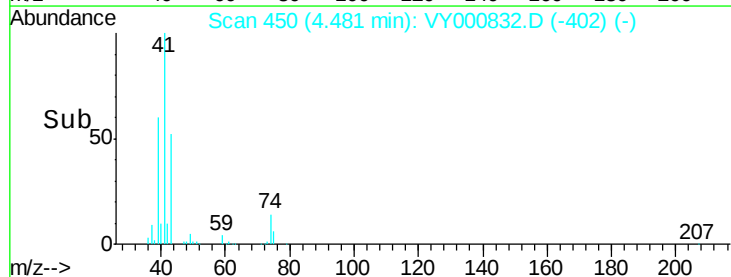
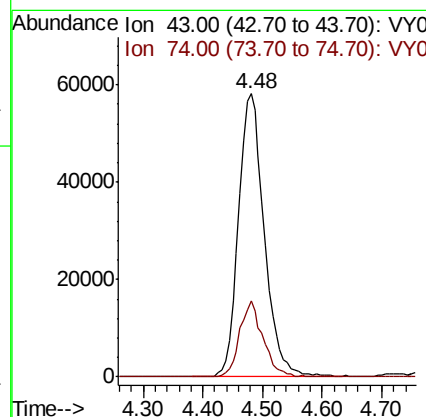
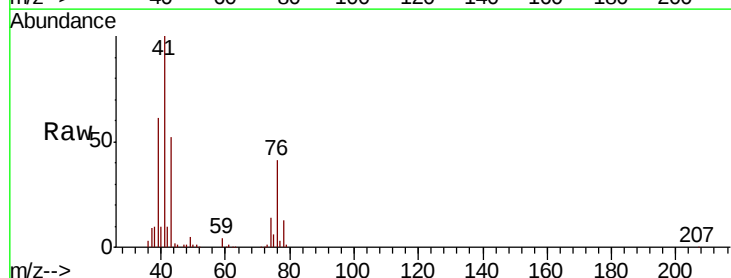
MMDadoda

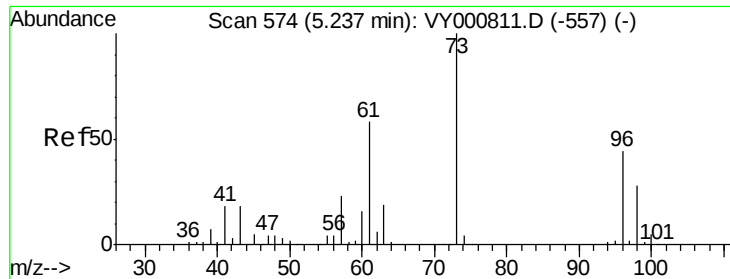
12/4/2019 2:06:12 PM



#18
Methyl Acetate
Concen: 46.814 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.5	27.7





#19
Methvl tert-butvl Ether
Concen: 51.149 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

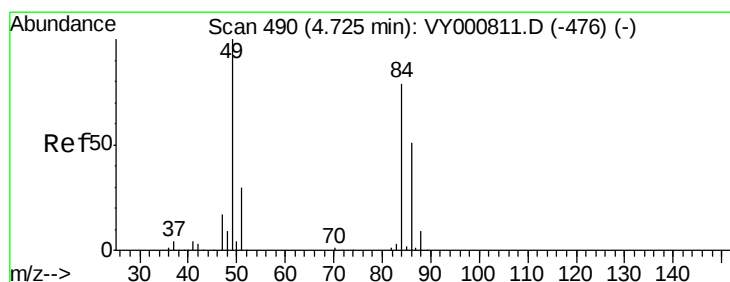
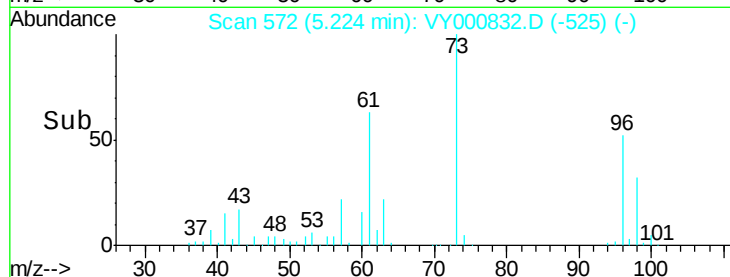
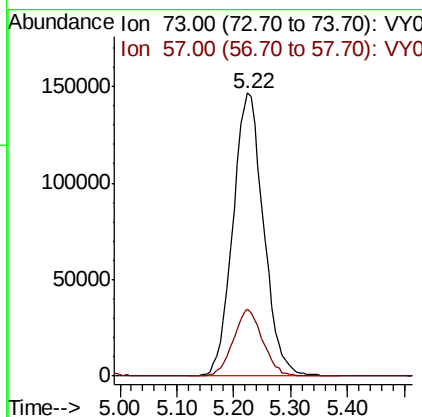
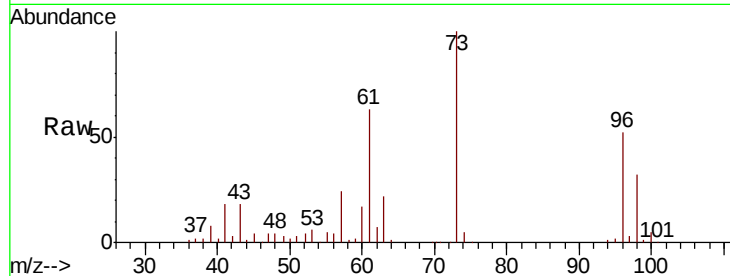
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 549833
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.4

Manual Integrations
APPROVED

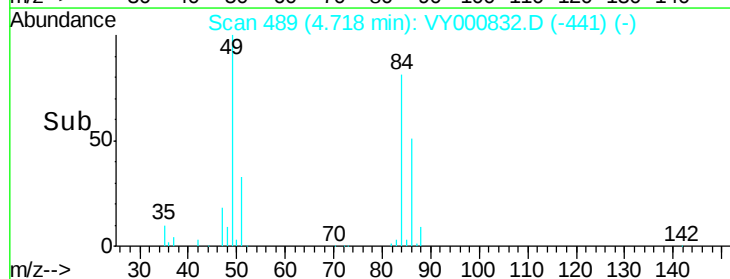
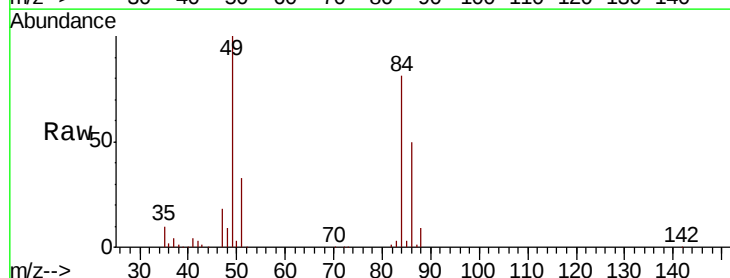
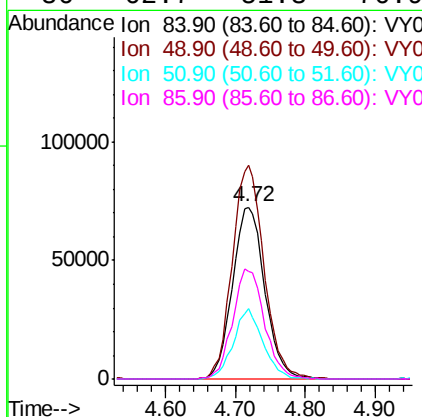
MMDadoda

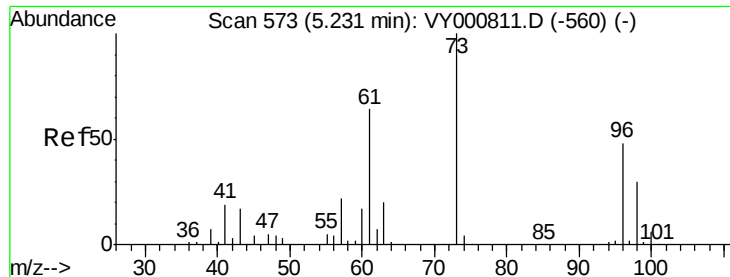
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#20
Methylene Chloride
Concen: 49.355 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion: 84 Resp: 232805
Ion Ratio Lower Upper
84 100
49 124.2 101.3 151.9
51 41.3 30.6 45.8
86 62.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.291 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 230085

Ion Ratio Lower Upper

96 100

61 122.5 105.9 158.9

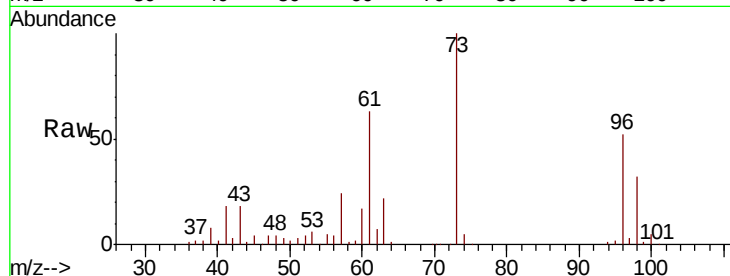
98 61.4 49.4 74.2

Manual Integrations

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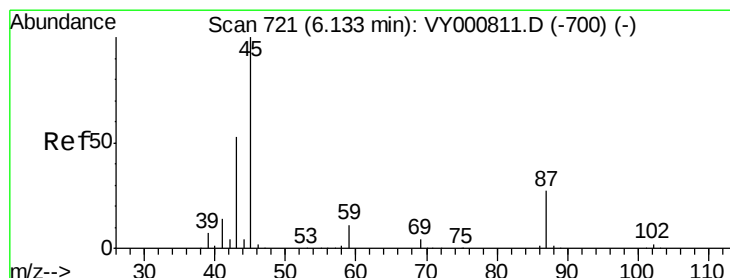
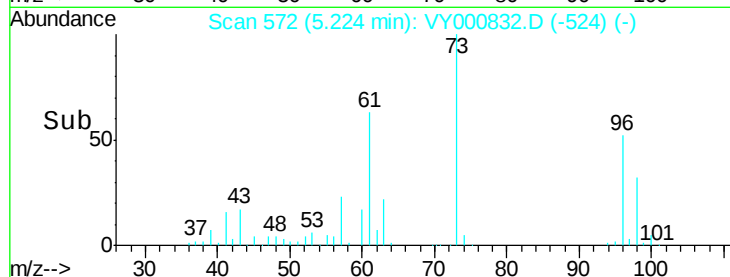
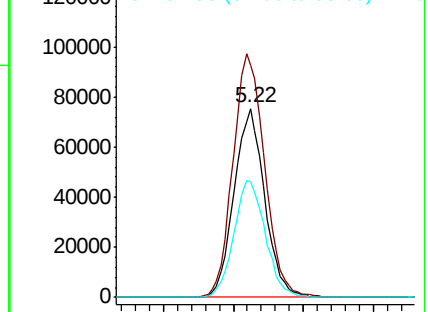


Abundance

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: 49.644 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion: 45 Resp: 704211

Ion Ratio Lower Upper

45 100

43 52.1 42.7 64.1

87 26.5 22.0 33.0

59 12.7 8.9 13.3

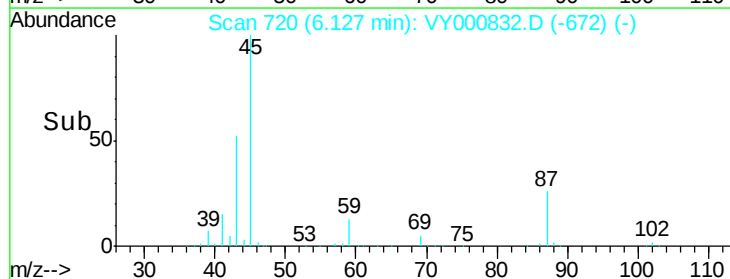
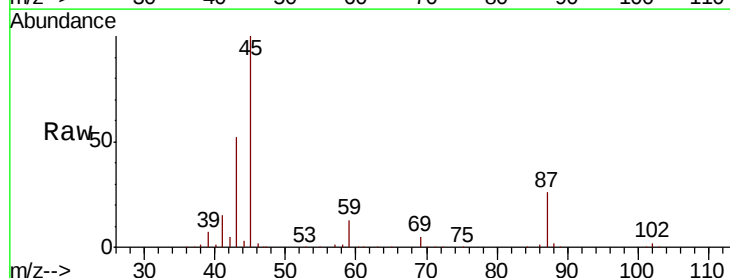
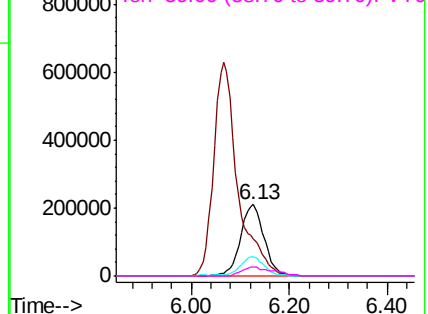
Abundance

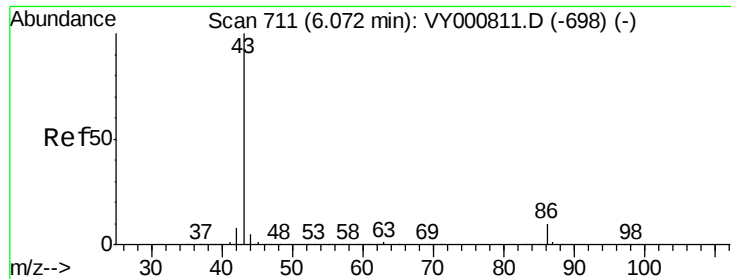
Ion 45.00 (44.70 to 45.70): VY0

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: 248.561 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

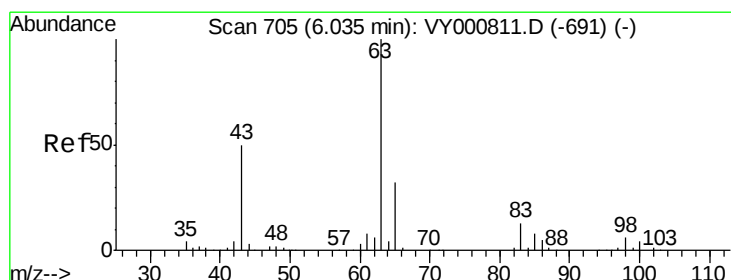
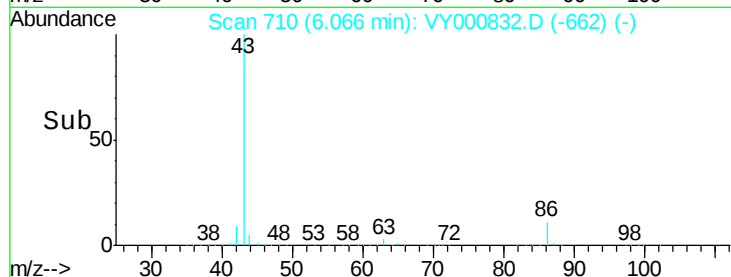
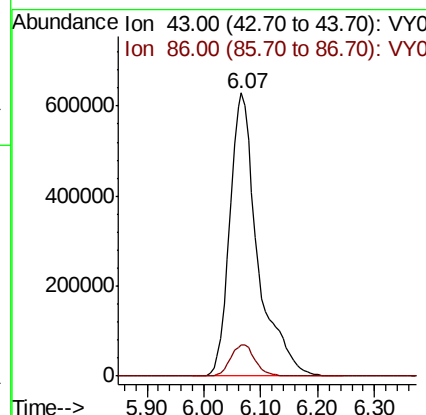
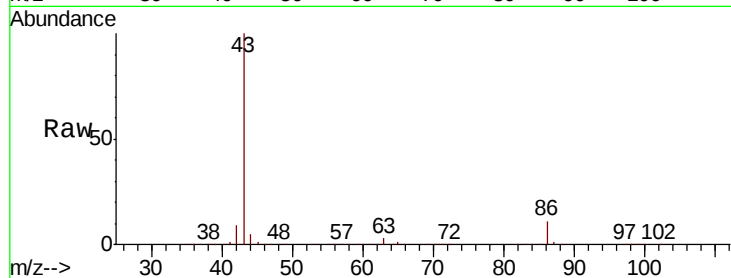
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2143511
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.3 12.5

Manual Integrations
 APPROVED

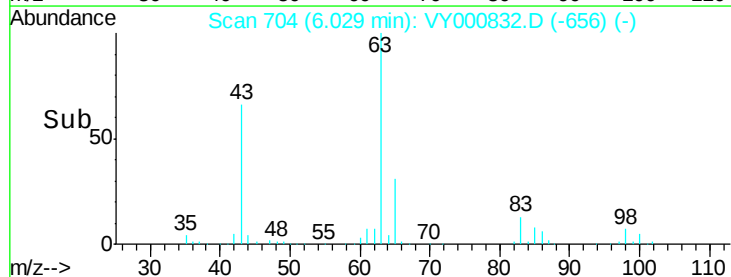
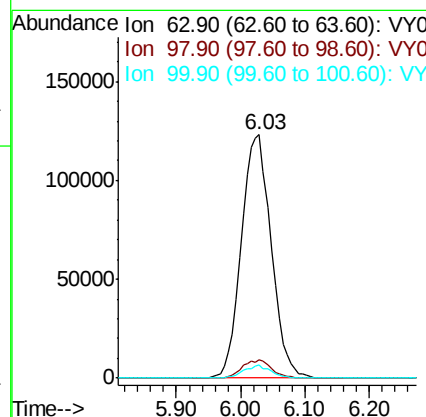
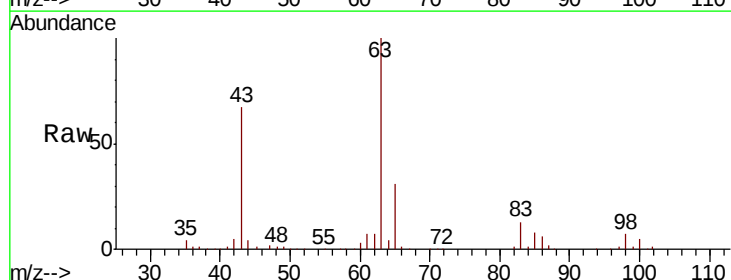
MMDadoda

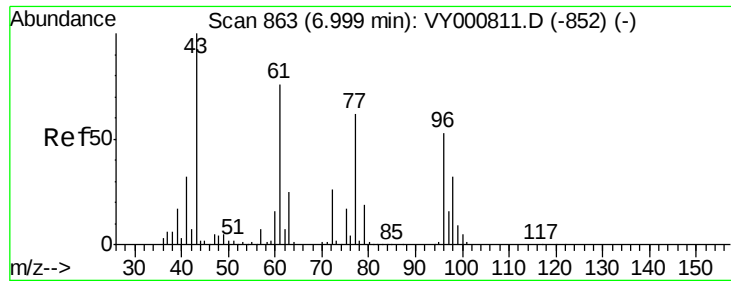
12/4/2019 2:06:12 PM



#24
 1,1-Dichloroethane
 Concen: 50.320 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion: 63 Resp: 393419
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 5.2 2.2 6.6





#25

2-Butanone

Concen: 249.282 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 412068

Ion Ratio Lower Upper

43 100

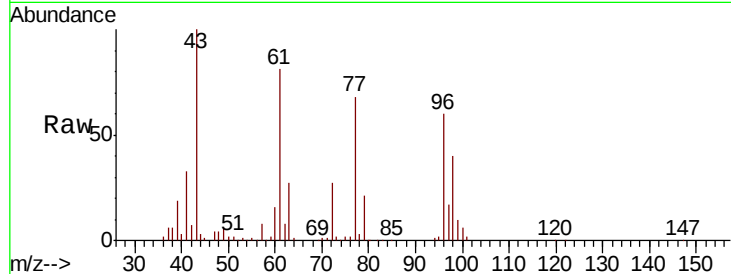
72 26.6 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

12/4/2019 2:06:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

150000

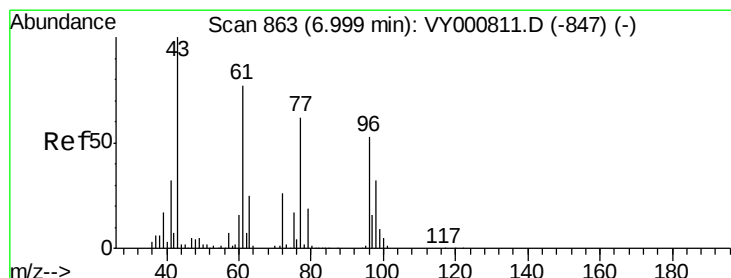
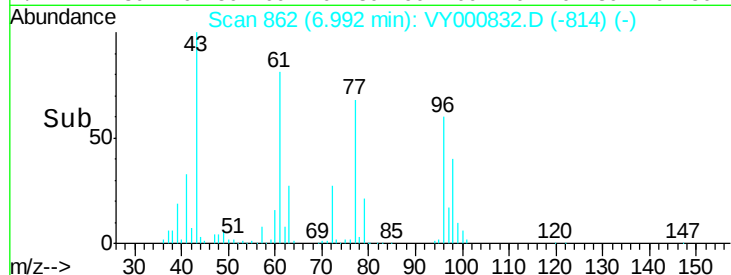
100000

50000

0

6.90 7.00

Time-->



#26

2,2-Dichloropropane

Concen: 50.599 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000832.D

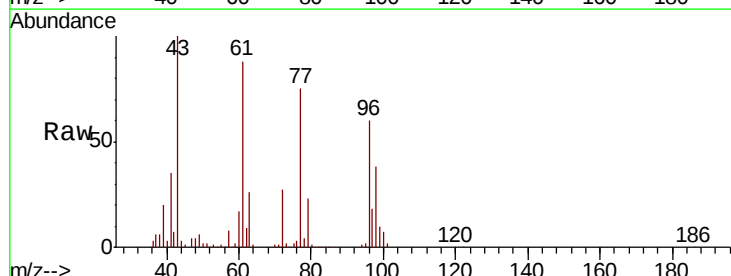
Acq: 03 Dec 2019 10:24

Tgt Ion: 77 Resp: 332956

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

120000

100000

80000

60000

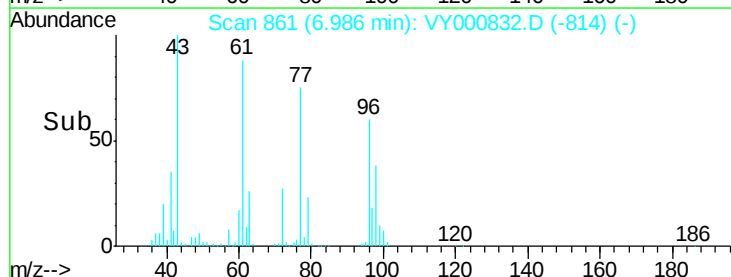
40000

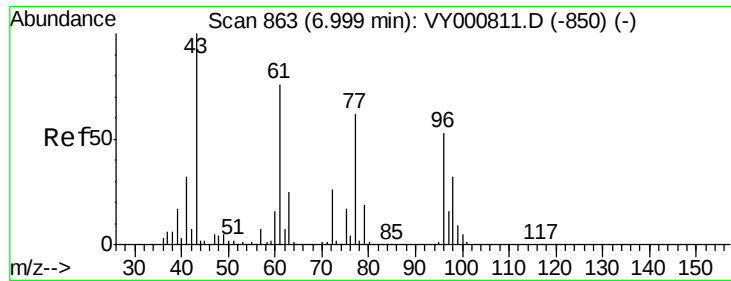
20000

0

6.80 6.90 7.00 7.10

Time-->





#27

cis-1,2-Dichloroethene
Concen: 50.815 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

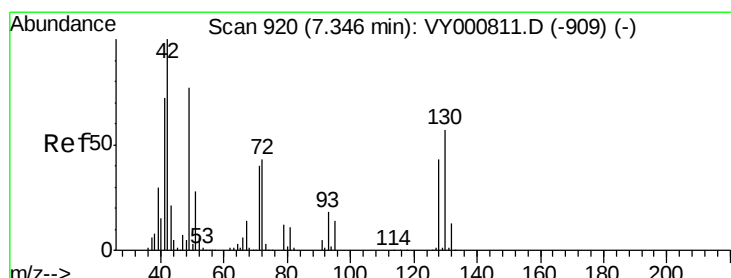
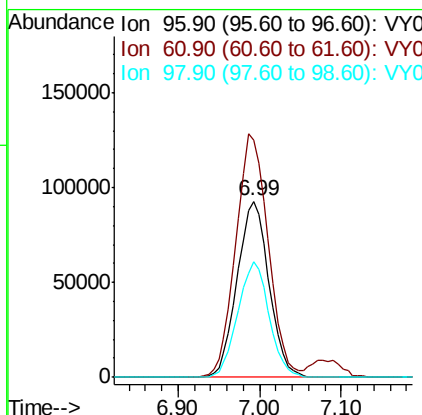
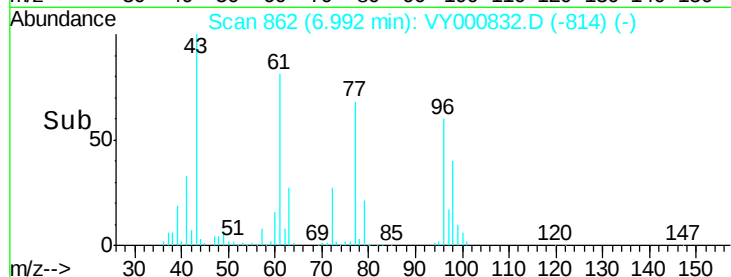
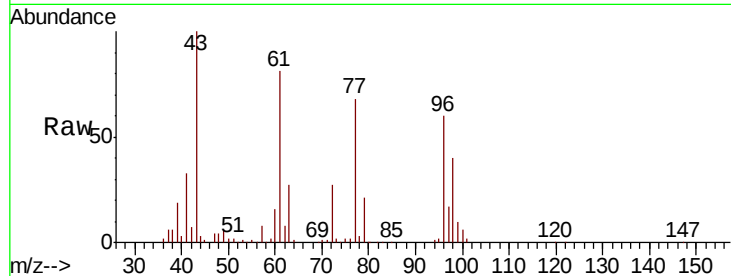
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251299		
61	140.6	0.0	285.0	
98	64.7	0.0	128.0	

Manual Integrations
APPROVED

MMDadoda

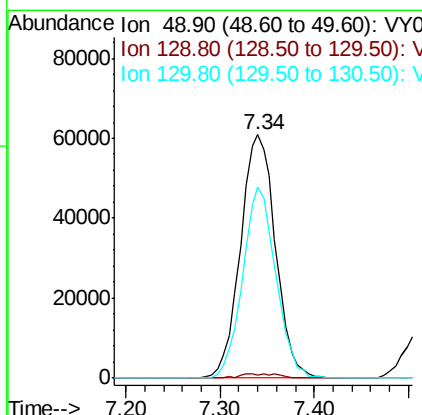
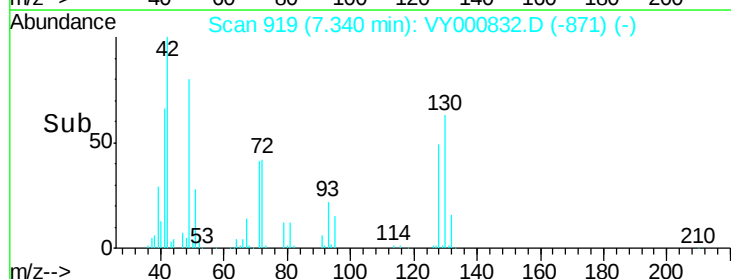
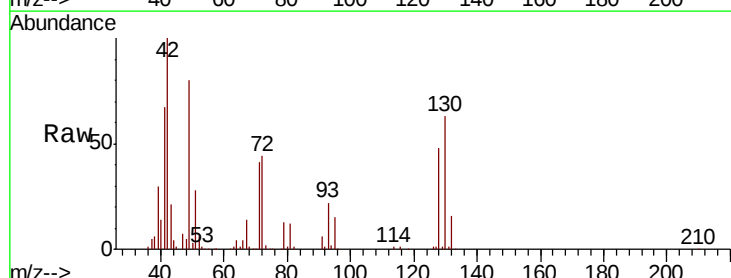
12/4/2019 2:06:12 PM

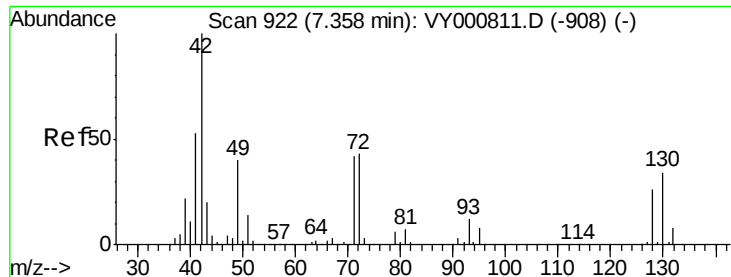


#28

Bromochloromethane
Concen: 55.079 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158501		
129	2.0	0.0	3.8	
130	74.3	58.7	88.1	





#29
Tetrahydrofuran
Concen: 241.749 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

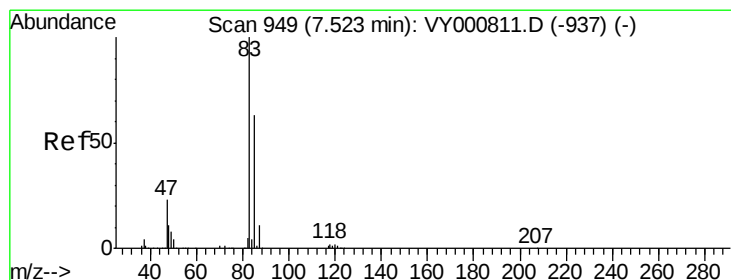
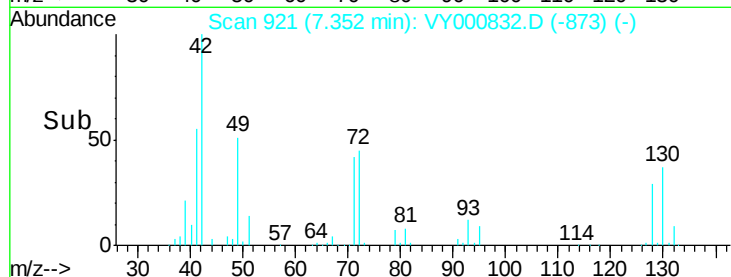
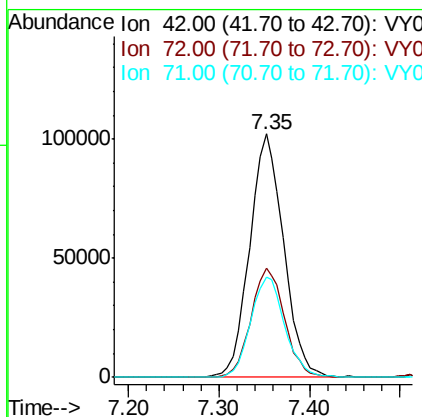
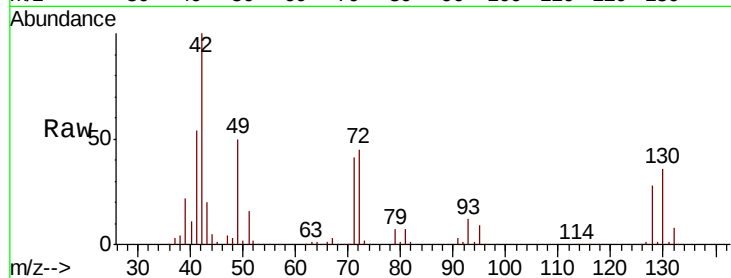
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.1	52.7
71	41.4	32.8	49.2

Manual Integrations
APPROVED

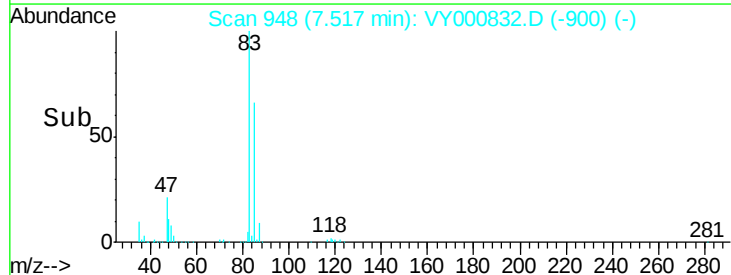
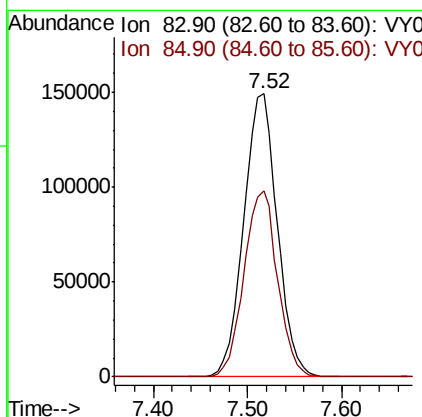
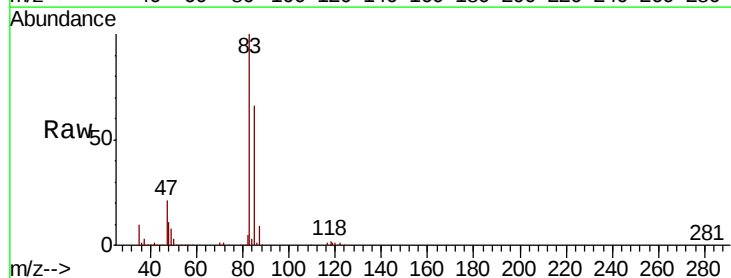
MMDadoda

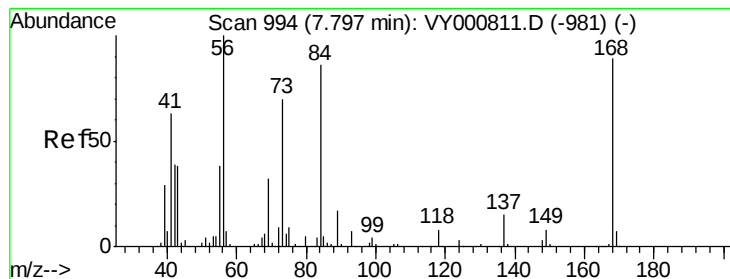
12/4/2019 2:06:12 PM



#30
Chloroform
Concen: 47.586 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.4	75.6





#31

Cyclohexane

Concen: 46.799 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 387604

Ion Ratio Lower Upper

56 100

69 32.9 25.9 38.9

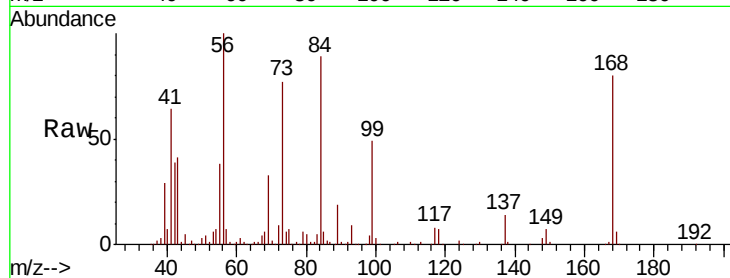
84 87.6 68.6 102.8

Manual Integrations

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MMDadoda

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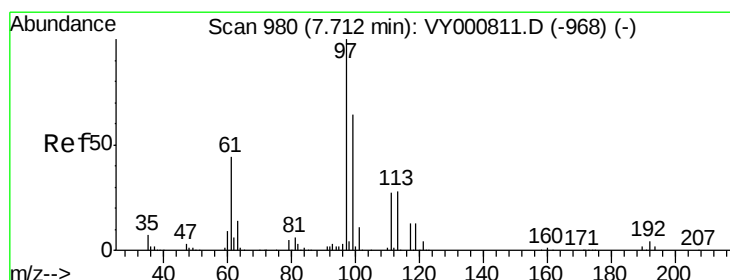
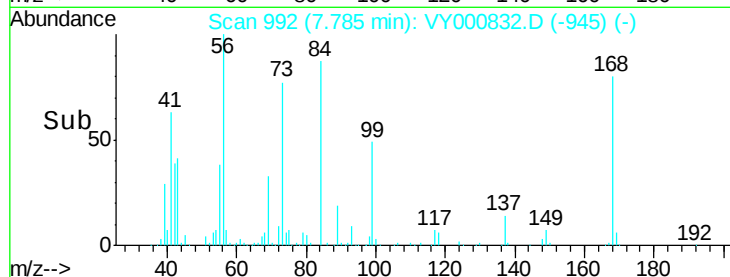
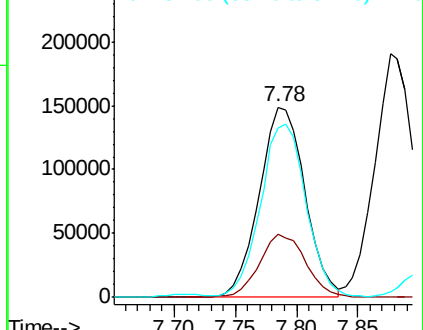


Abundance

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: 50.725 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

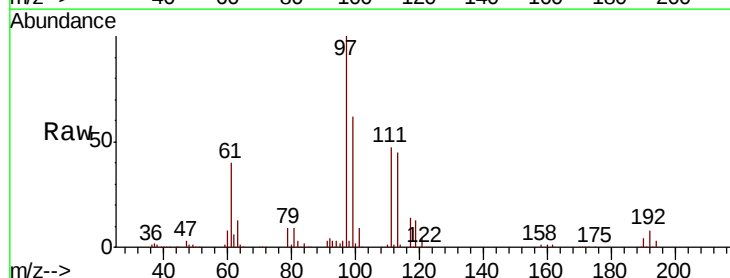
Tgt Ion: 97 Resp: 328519

Ion Ratio Lower Upper

97 100

99 63.2 51.7 77.5

61 41.9 35.0 52.6

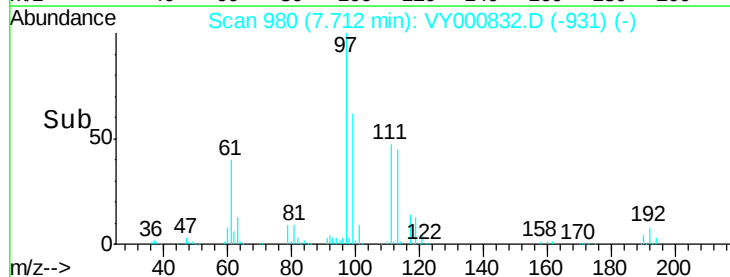
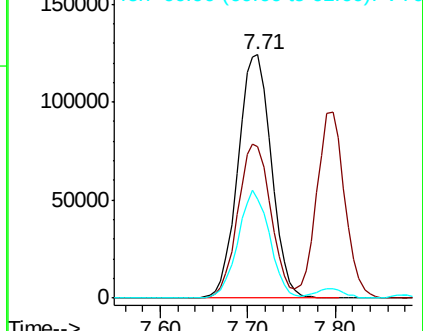


Abundance

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: 49.798 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 194252

Ion Ratio Lower Upper

65 100

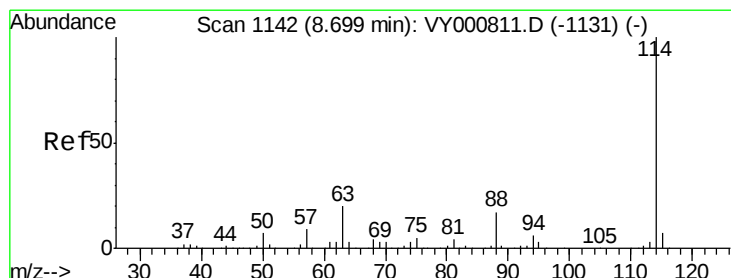
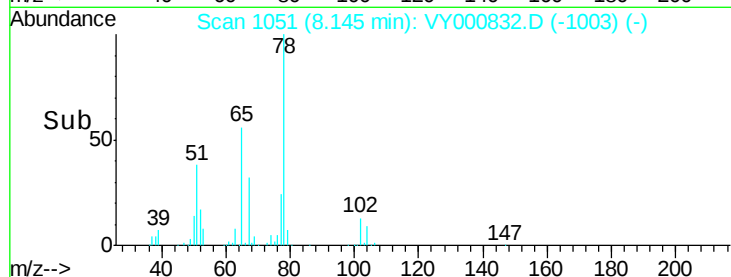
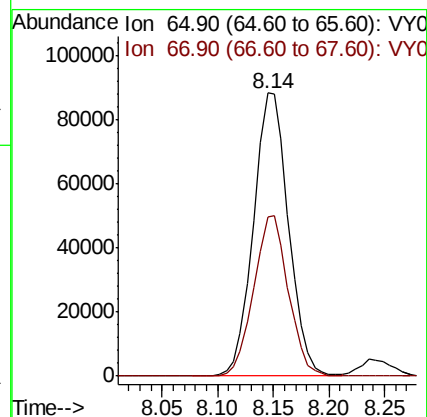
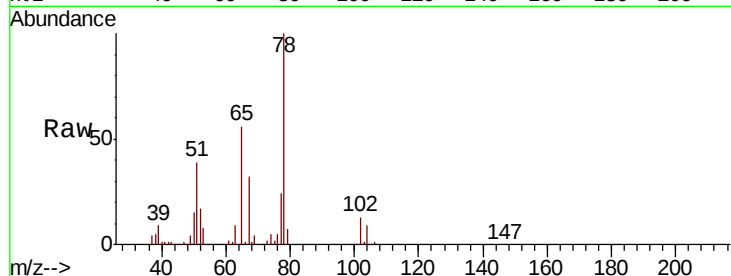
67 56.1 0.0 112.0

Manual Integrations

APPROVED

MMDadoda

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

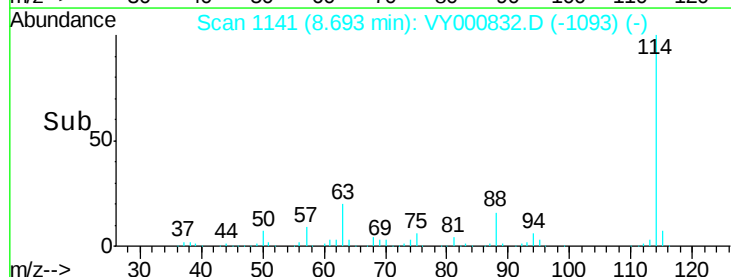
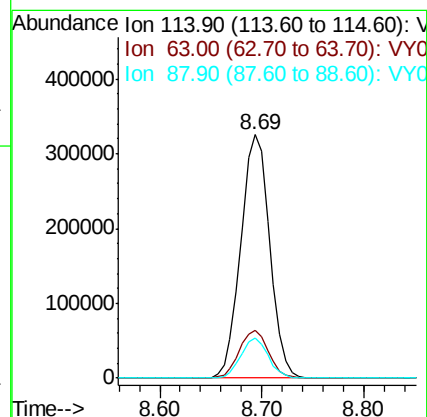
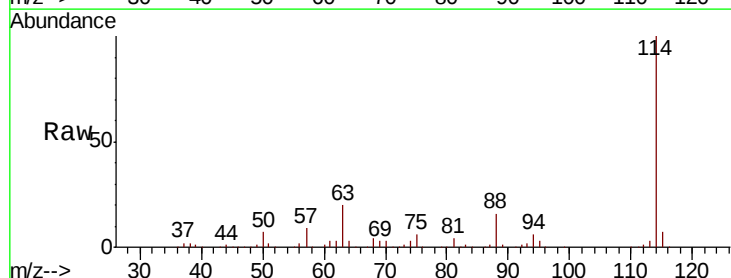
Tgt Ion: 114 Resp: 639155

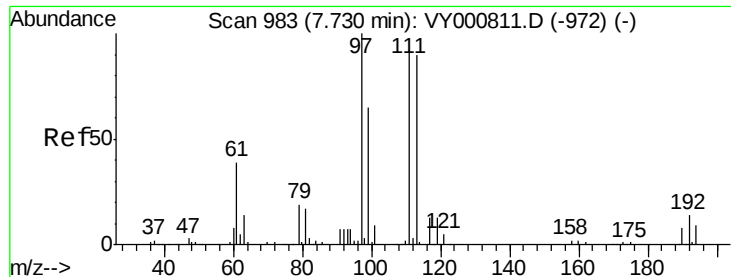
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 16.4 0.0 33.2





#35
Dibromofluoromethane
Concen: 51.409 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

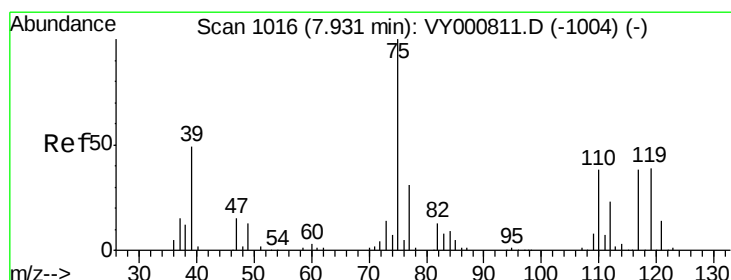
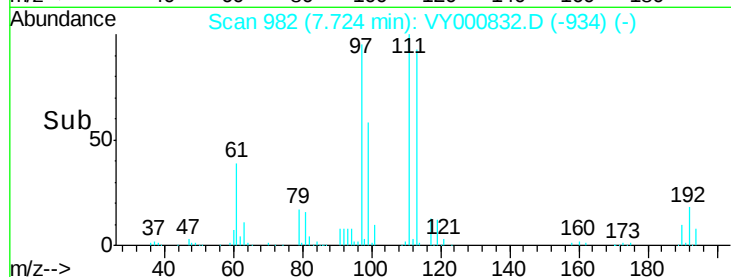
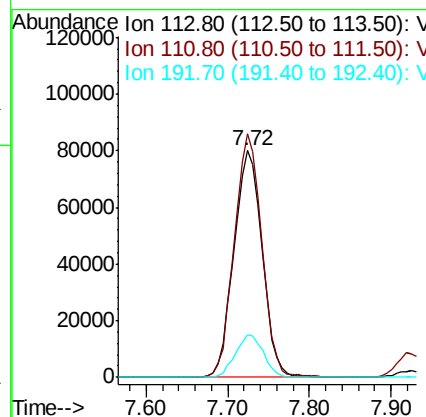
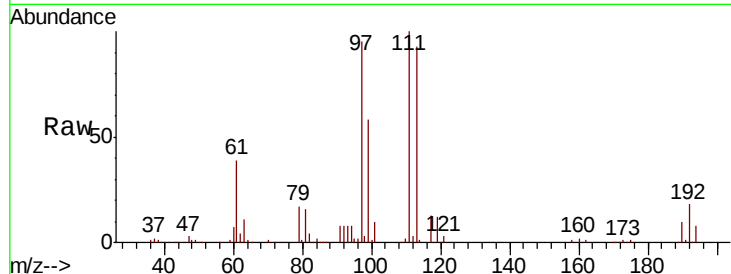
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191498		
111	104.2	82.4	123.6	
192	18.5	14.2	21.2	

Manual Integrations
APPROVED

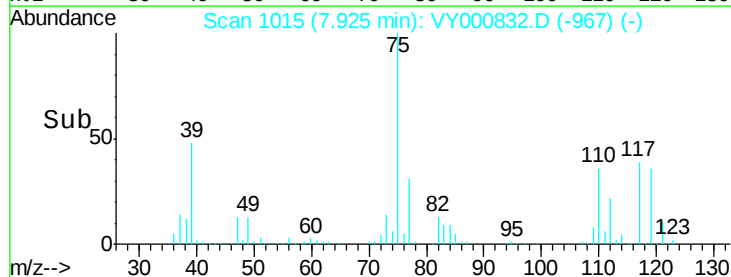
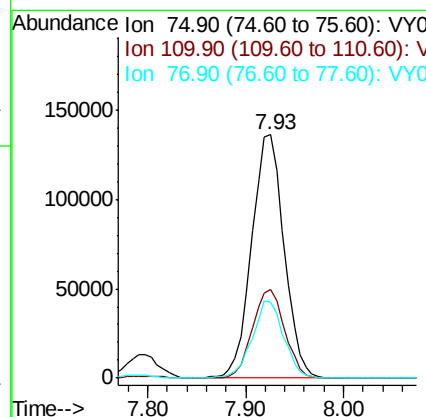
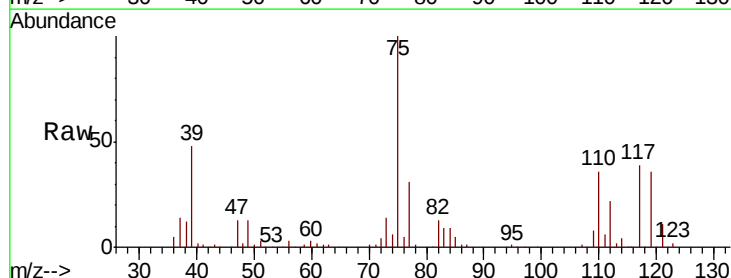
MMDadoda

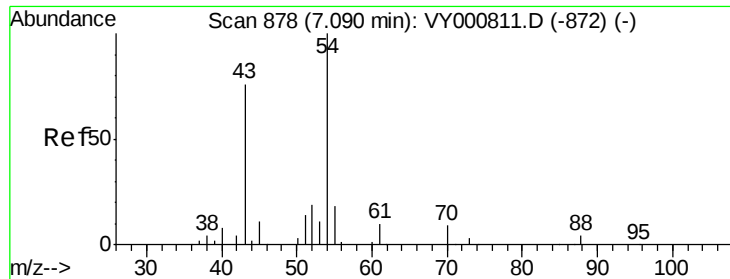
12/4/2019 2:06:12 PM



#36
1,1-Dichloropropene
Concen: 49.379 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	313809		
110	36.1	17.9	53.7	
77	30.9	24.7	37.1	





#37
Ethyl Acetate
Concen: 46.683 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

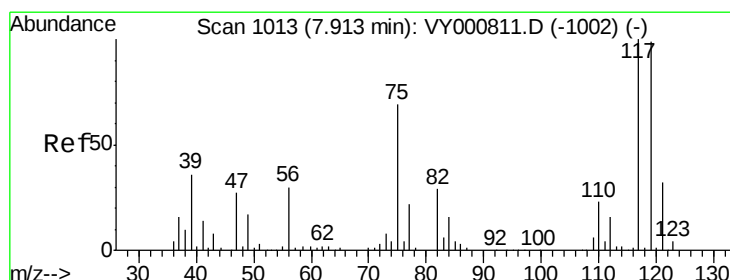
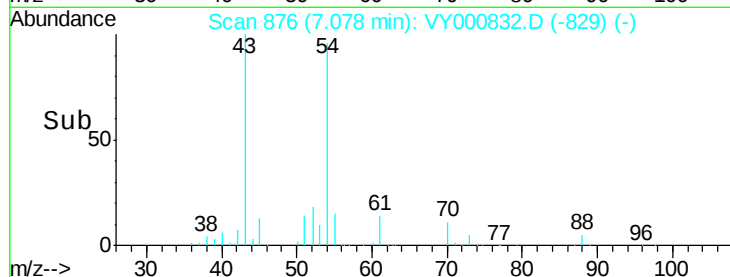
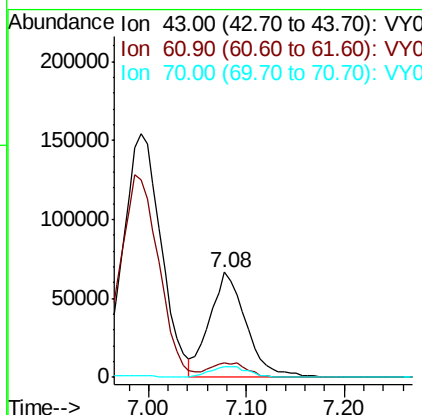
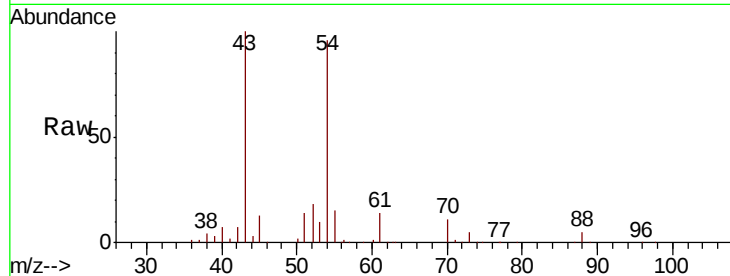
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	11.0	8.7	13.1

Manual Integrations
APPROVED

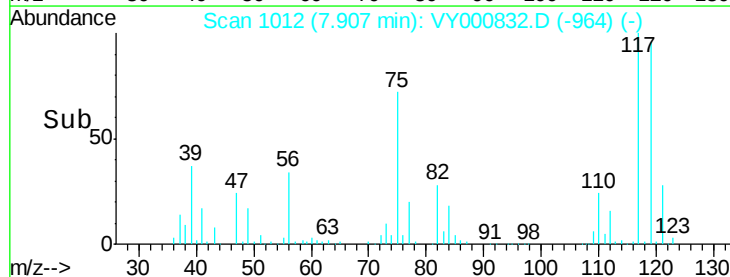
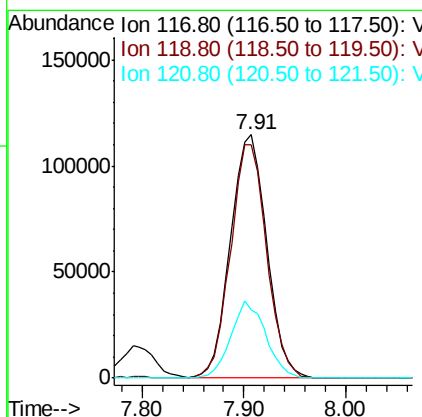
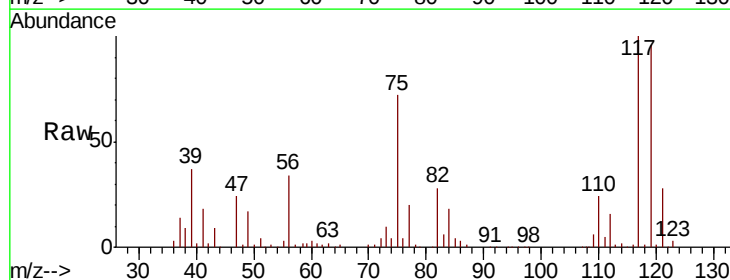
MMDadoda

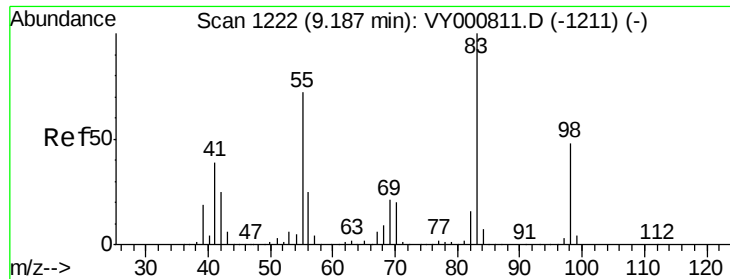
12/4/2019 2:06:12 PM



#38
Carbon Tetrachloride
Concen: 50.036 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.3	118.9
121	28.2	25.5	38.3





#39
Methvlcvclohexane
Concen: 49.184 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

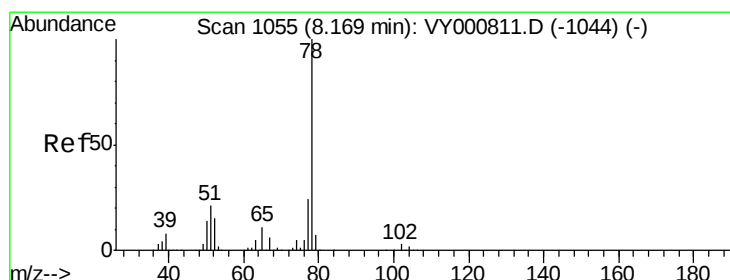
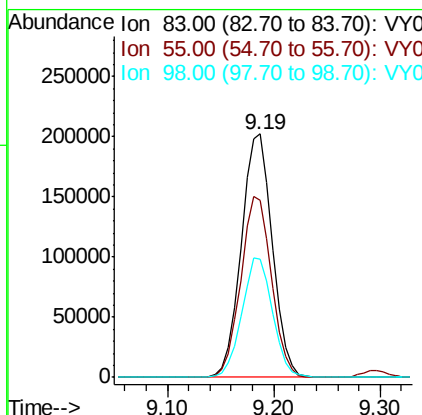
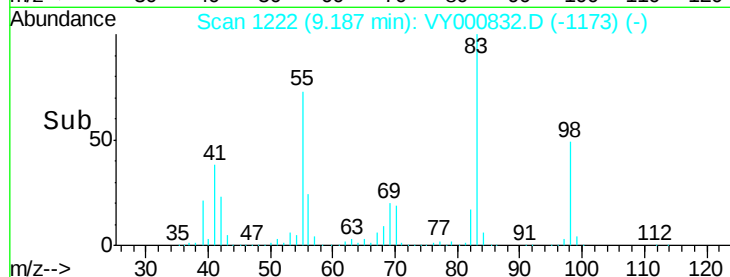
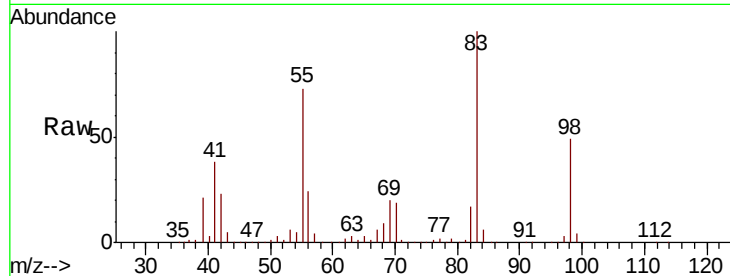
Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tot Ion	83.00	Resp	414115
Ion Ratio	100	Lower	Upper
83	100		
55	72.7	57.8	86.6
98	48.7	38.6	58.0

Manual Integrations
APPROVED

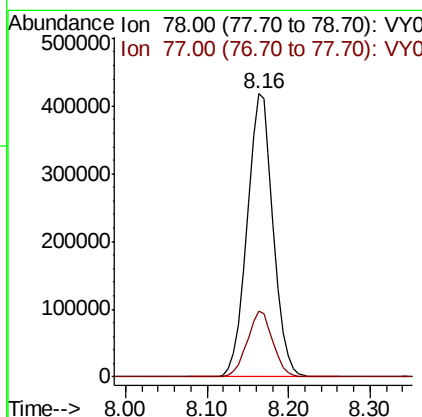
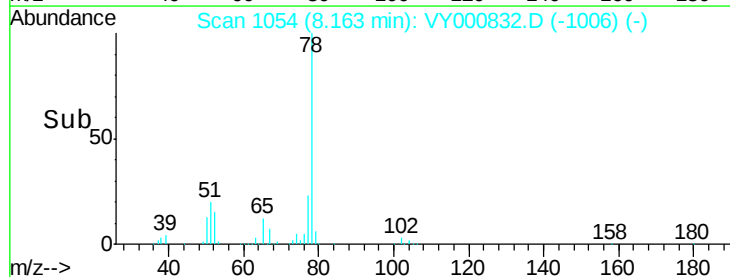
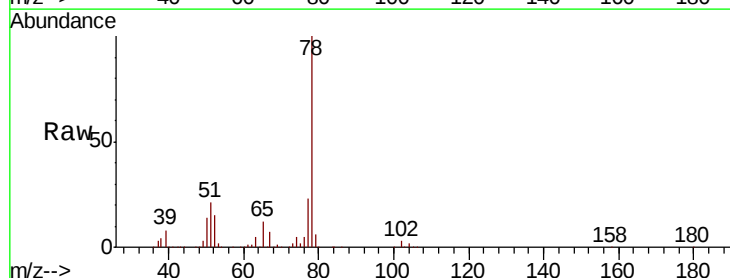
MMDadoda

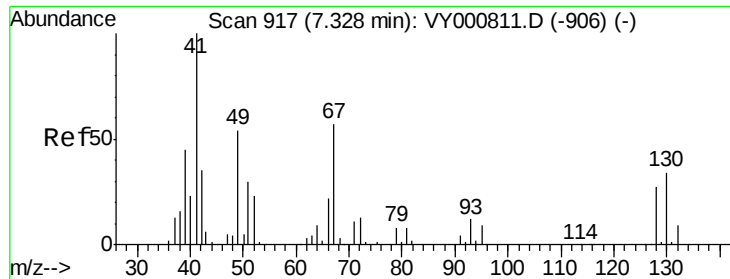
12/4/2019 2:06:12 PM



#40
Benzene
Concen: 49.972 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	78.00	Resp	925042
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41
Methacrylonitrile
Concen: 47.552 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

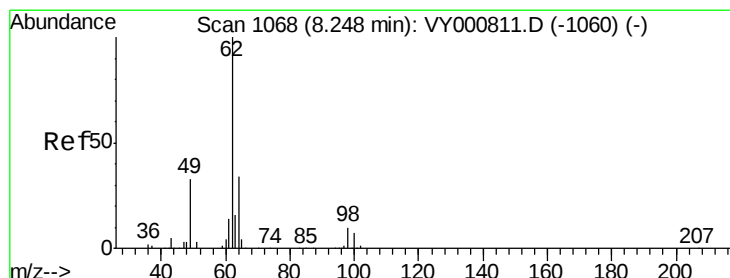
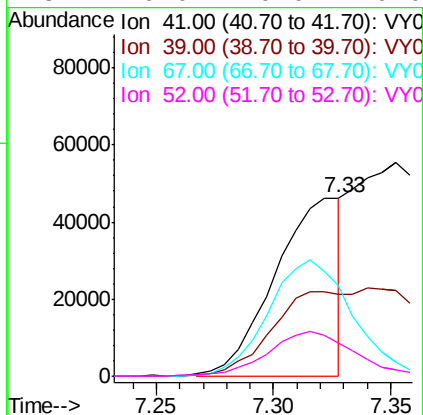
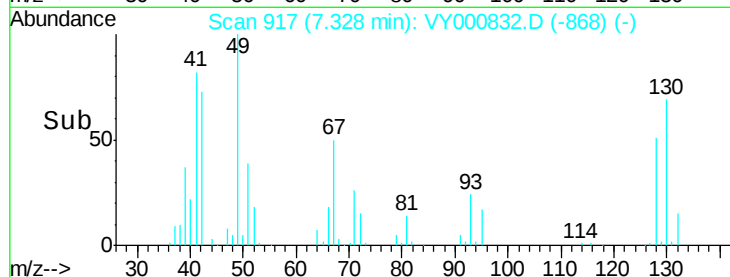
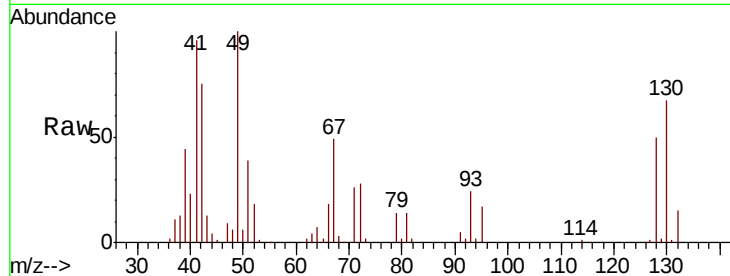
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	91967
Ion Ratio	Lower	Upper	
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

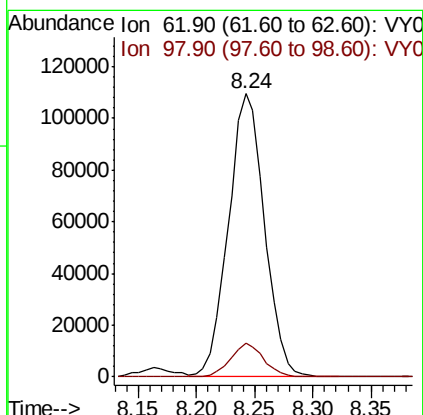
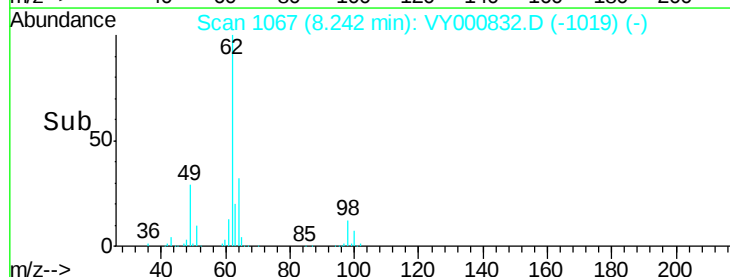
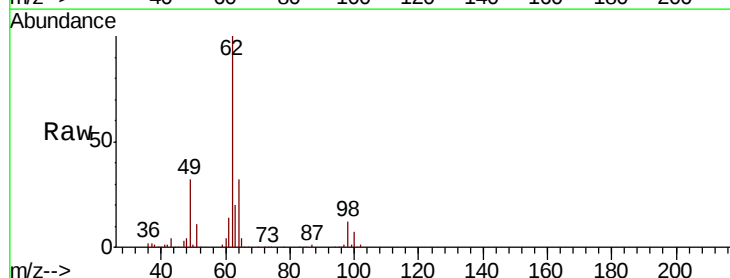
MMDadoda

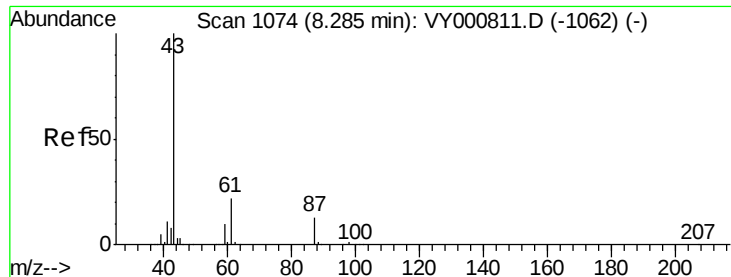
12/4/2019 2:06:12 PM



#42
1,2-Dichloroethane
Concen: 48.507 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion:	62	Resp:	236145
Ion Ratio	Lower	Upper	
62	100		
98	11.0	0.0	21.4





#43

Isopropyl Acetate
 Concen: 47.323 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

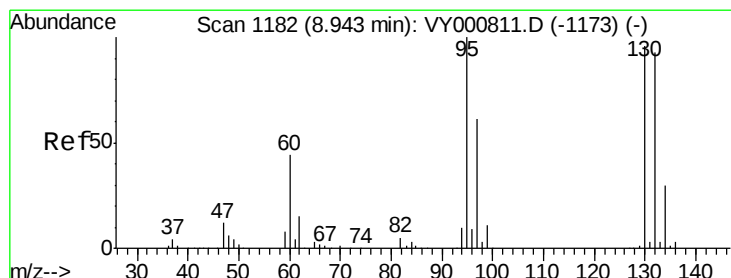
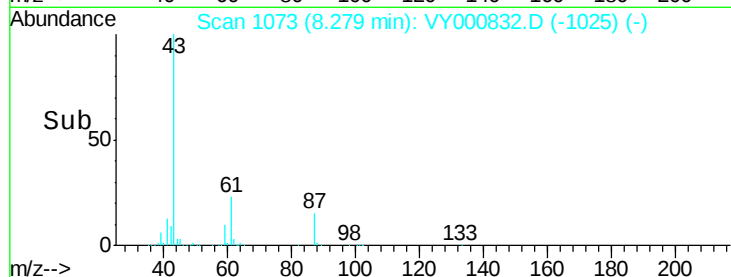
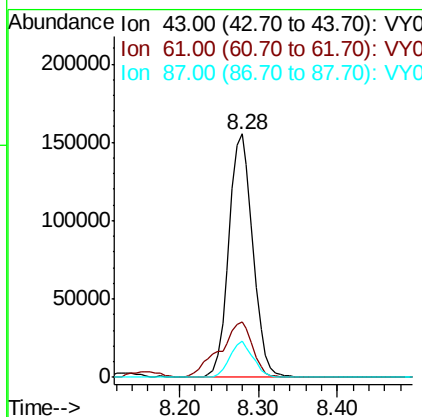
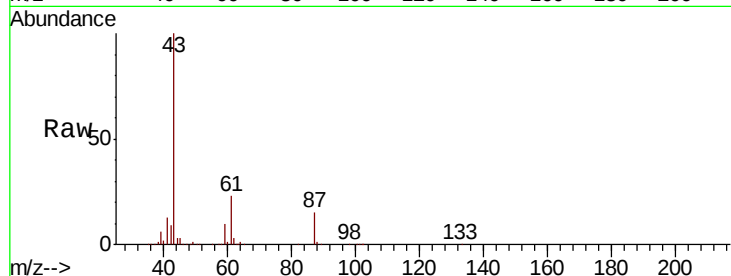
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.7	35.5
87	14.3	10.6	15.8

Manual Integrations
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MMDadoda

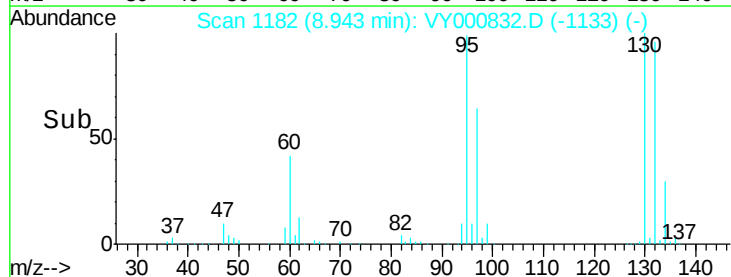
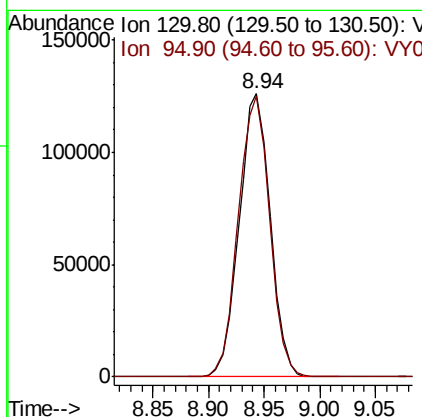
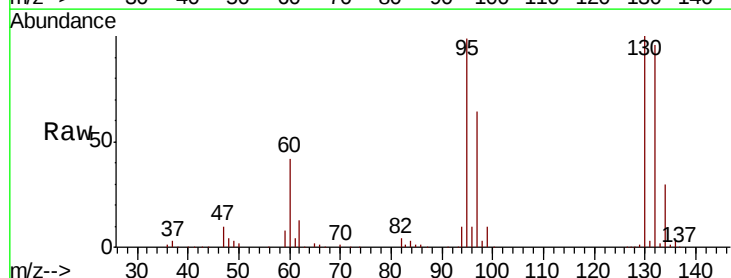
12/4/2019 2:06:12 PM

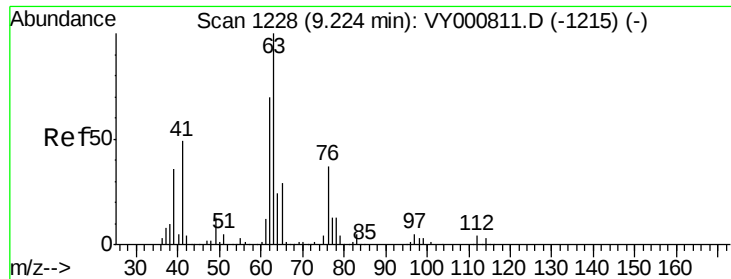


#44

Trichloroethene
 Concen: 51.194 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	207.8





#45
 1,2-Dichloropropane
 Concen: 50.380 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

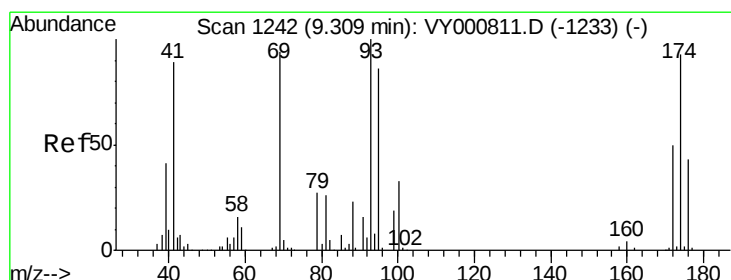
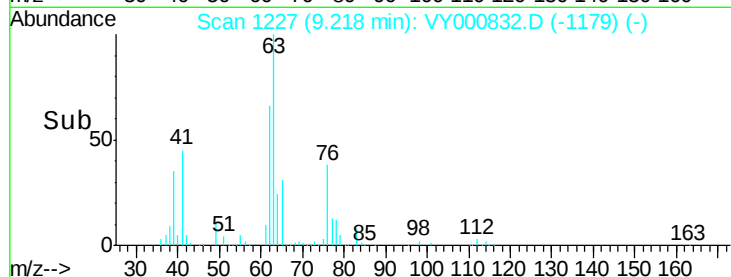
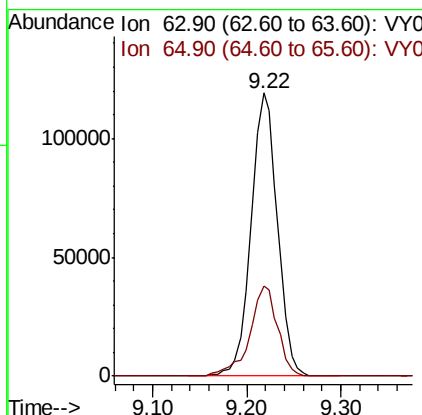
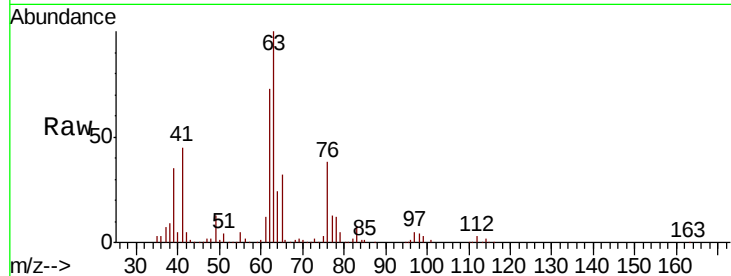
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.2	34.8

Manual Integrations
 APPROVED

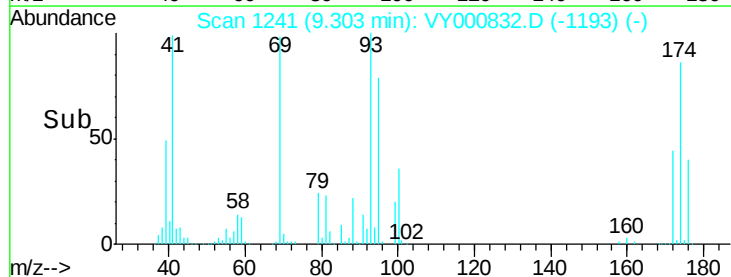
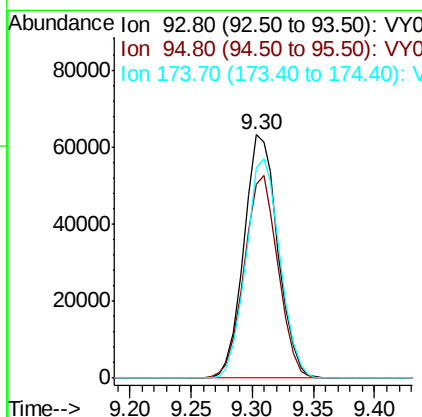
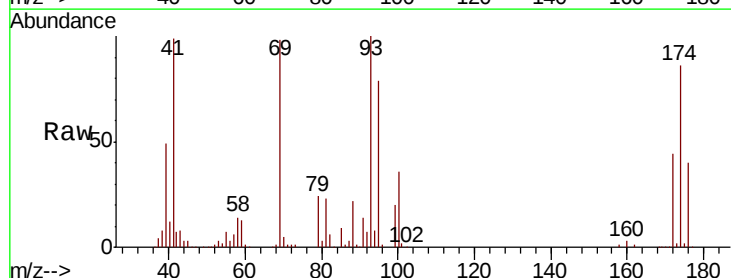
MMDadoda

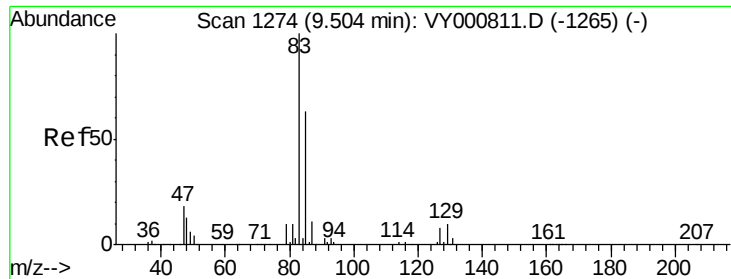
12/4/2019 2:06:12 PM



#46
 Dibromomethane
 Concen: 50.103 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	90.3	73.0	109.6





#47

Bromodichloromethane

Concen: 50.754 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

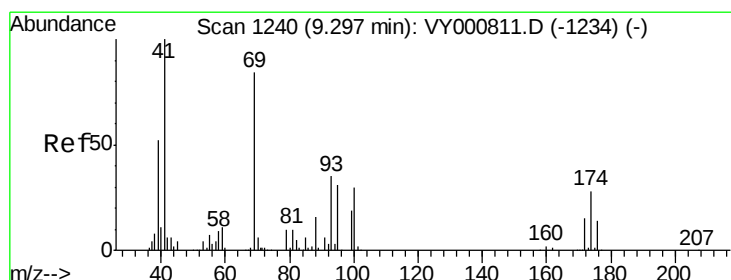
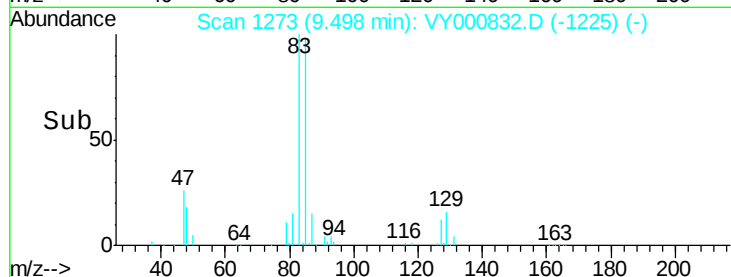
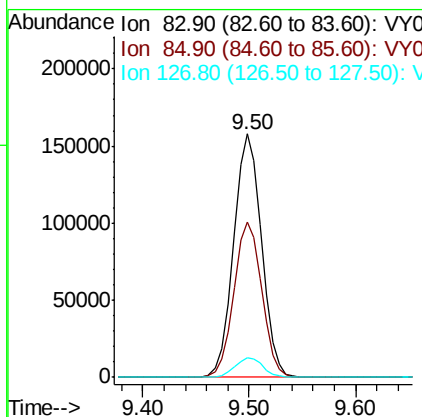
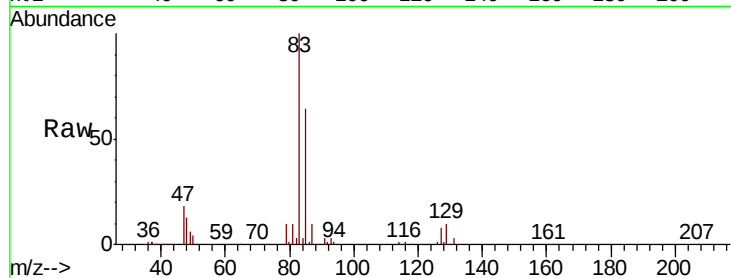
VSTDCCC050

Tot Ion:	83	Resp:	289663
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.8	76.2
127	7.9	6.6	10.0

Manual Integrations
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MMDadoda

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#48

Methyl methacrylate

Concen: 46.628 ug/l

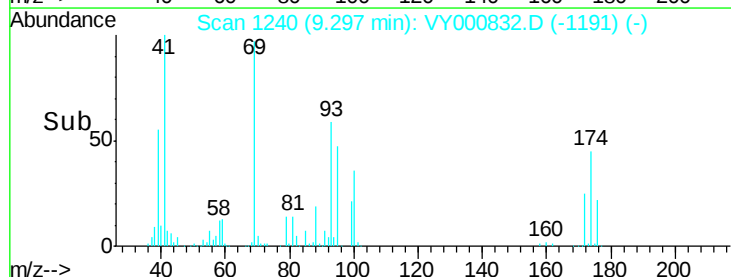
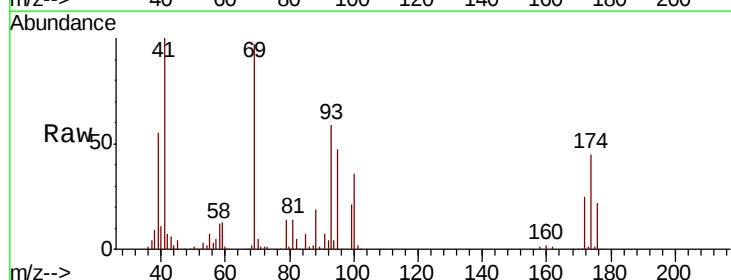
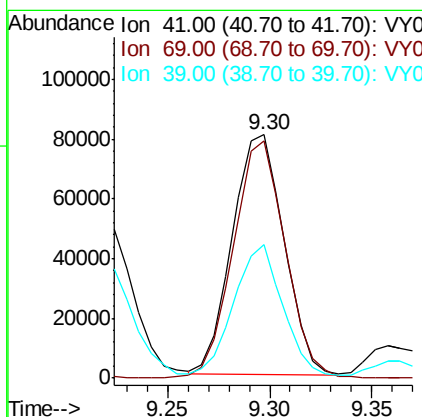
RT: 9.30 min Scan# 1240

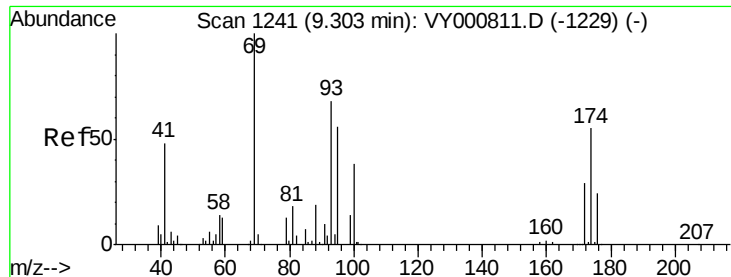
Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	41	Resp:	141787
Ion	Ratio	Lower	Upper
41	100		
69	99.3	70.4	105.6
39	53.7	40.9	61.3





#49

1,4-Dioxane

Concen: 957.284 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 32953

Ion Ratio Lower Upper

88 100

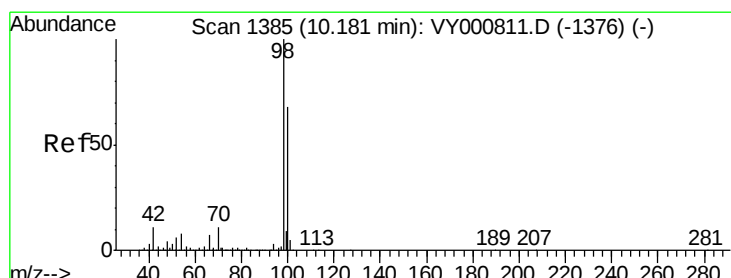
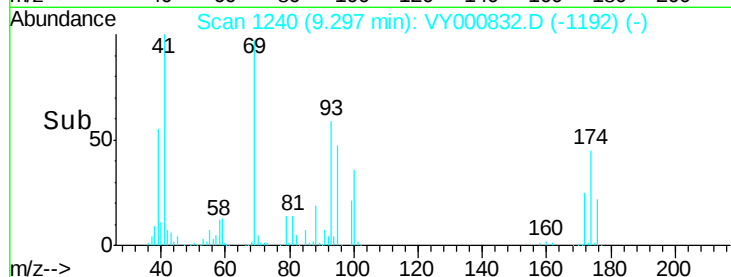
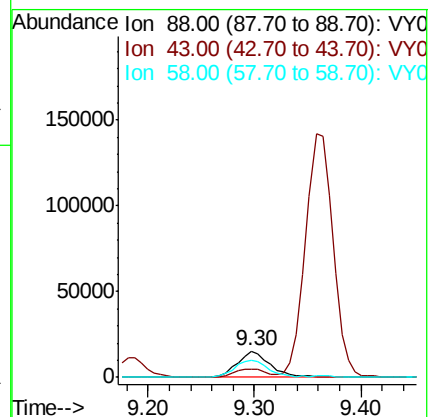
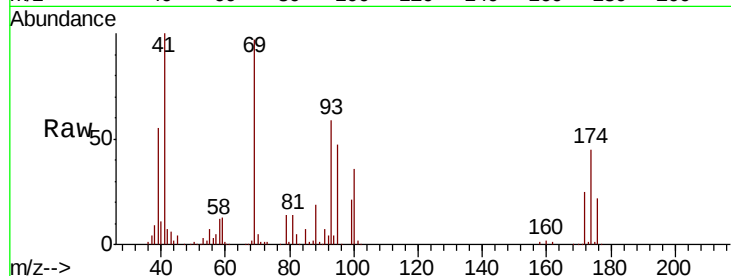
43 30.2 21.1 31.7

58 66.5 50.7 76.1

Manual Integrations
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#50

Toluene-d8

Concen: 53.317 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000832.D

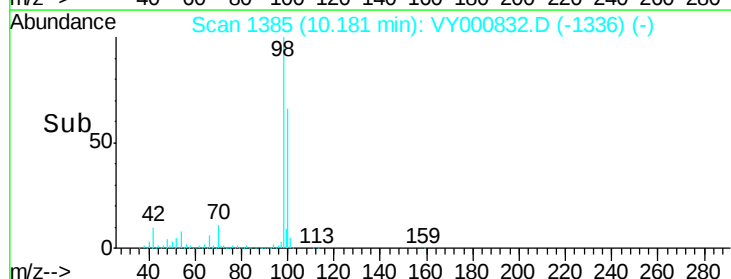
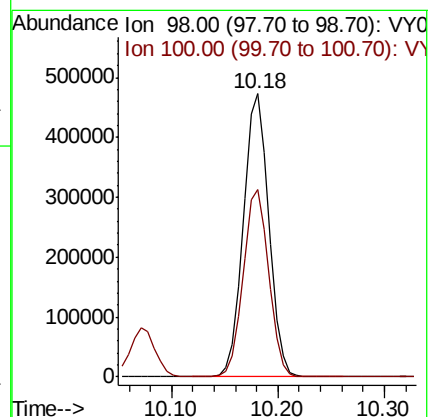
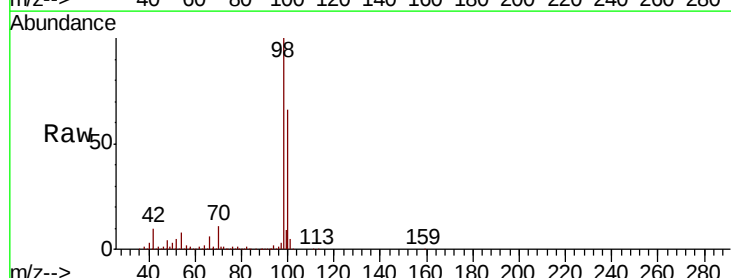
Acq: 03 Dec 2019 10:24

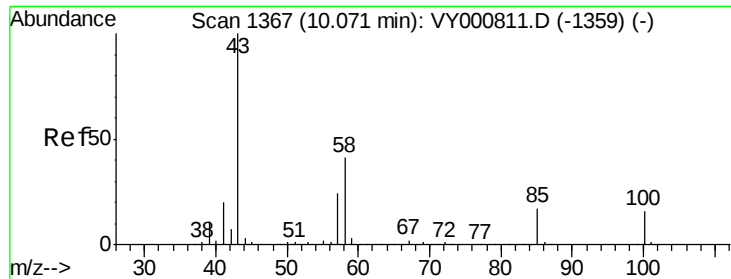
Tgt Ion: 98 Resp: 794014

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 240.691 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 859965

Ion Ratio Lower Upper

43 100

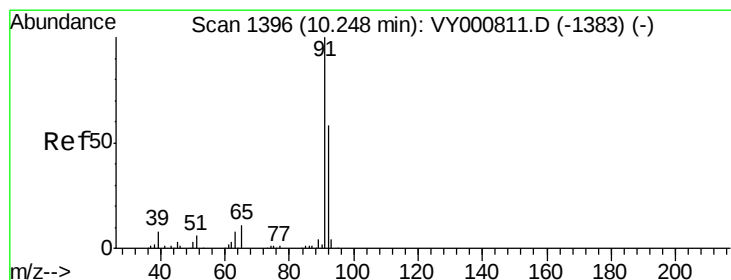
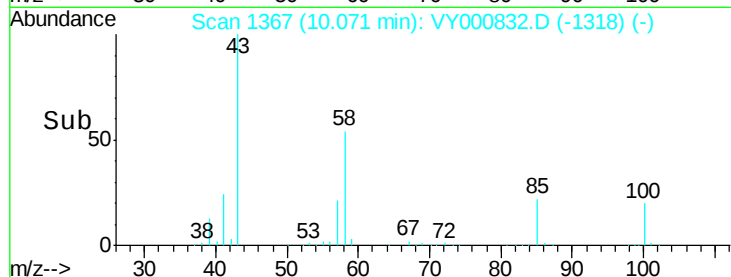
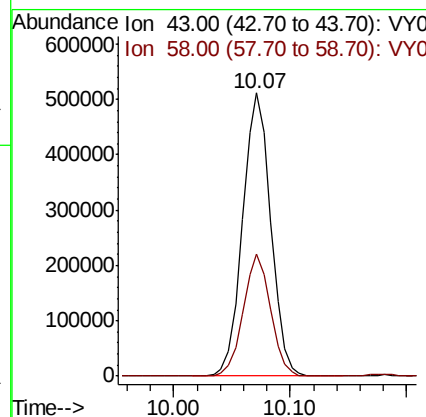
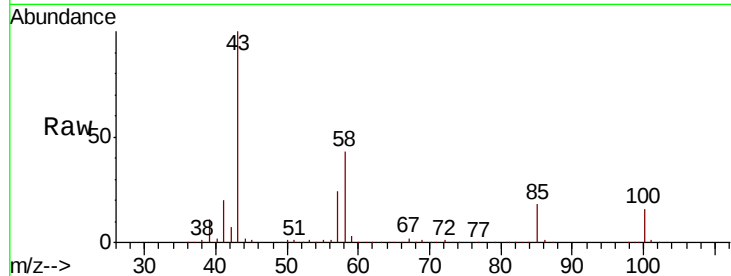
58 41.9 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 49.777 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000832.D

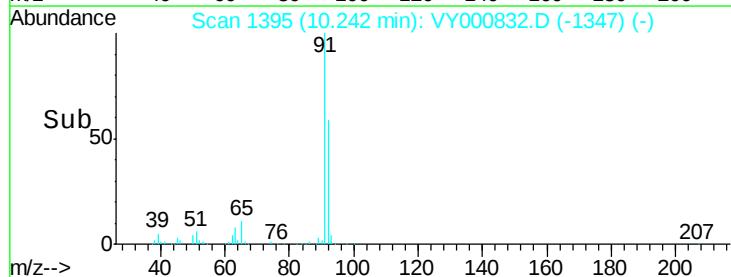
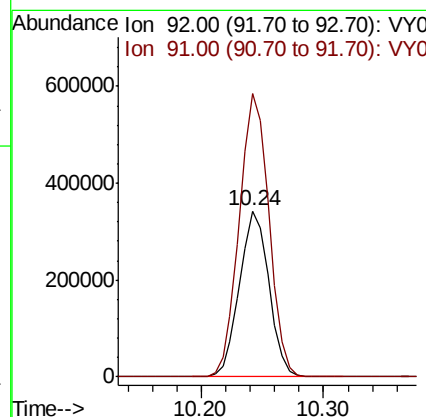
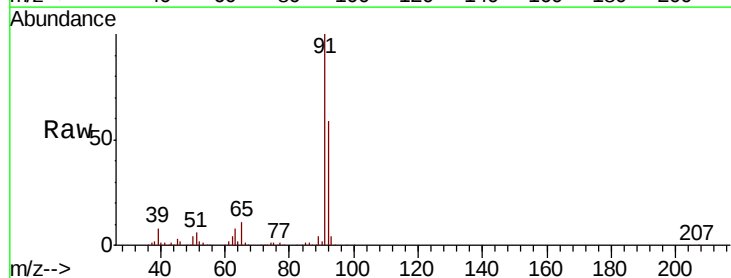
Acq: 03 Dec 2019 10:24

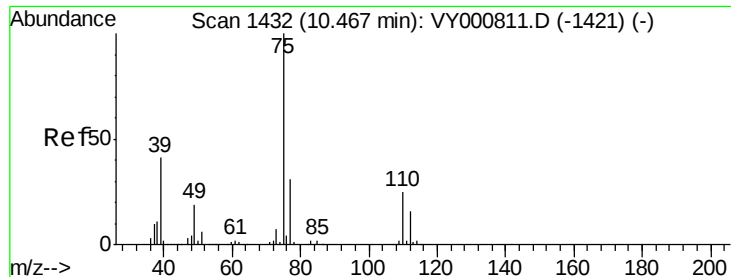
Tgt Ion: 92 Resp: 570514

Ion Ratio Lower Upper

92 100

91 172.1 136.6 204.8





#53
 t-1,3-Dichloropropene
 Concen: 52.070 ug/l
 RT: 10.46 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

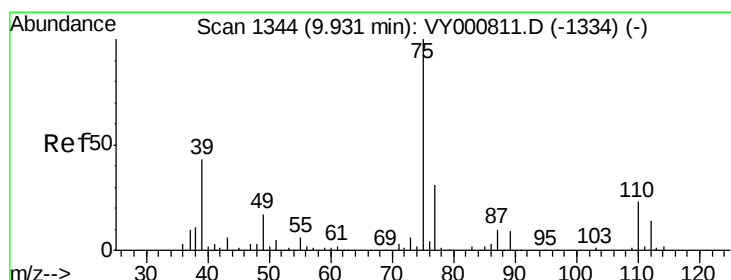
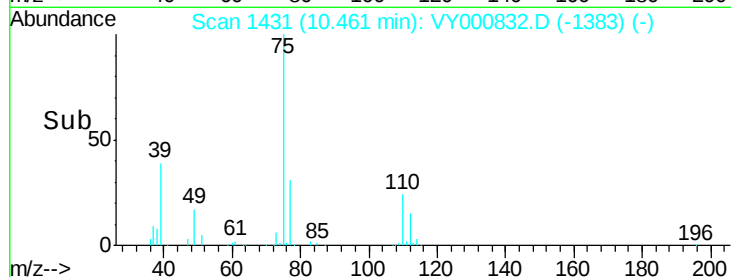
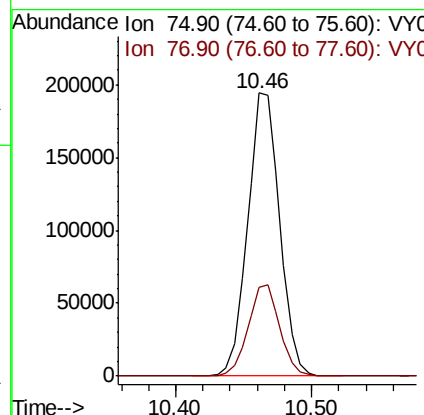
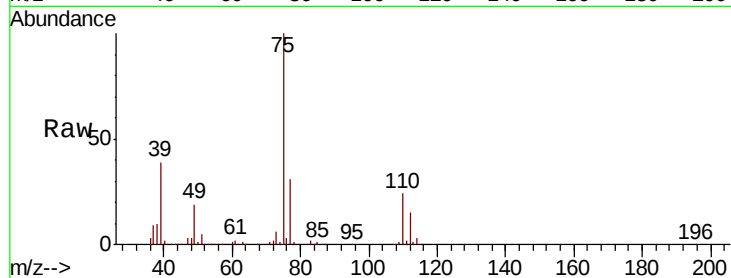
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 319272
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7

Manual Integrations
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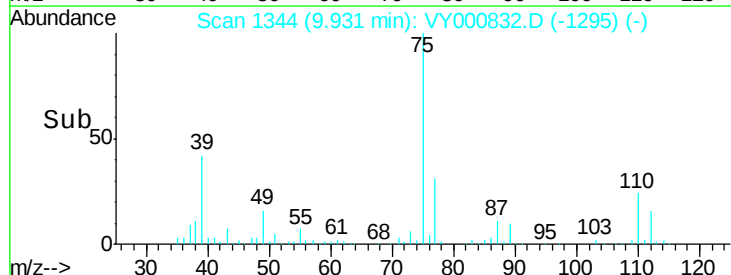
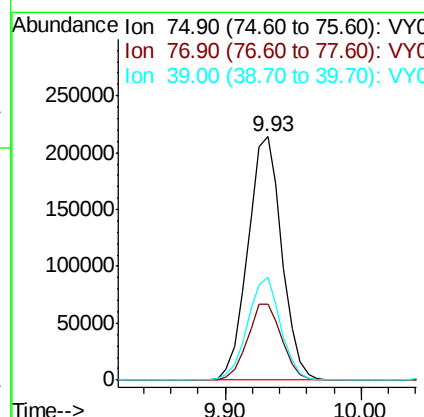
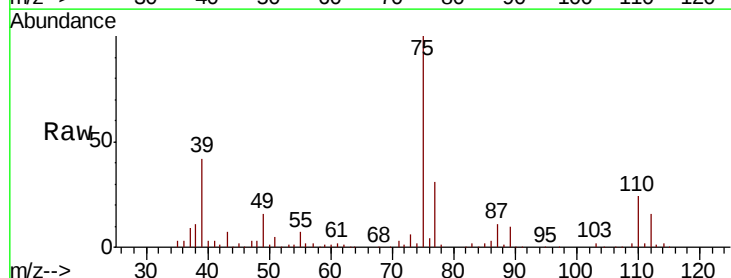
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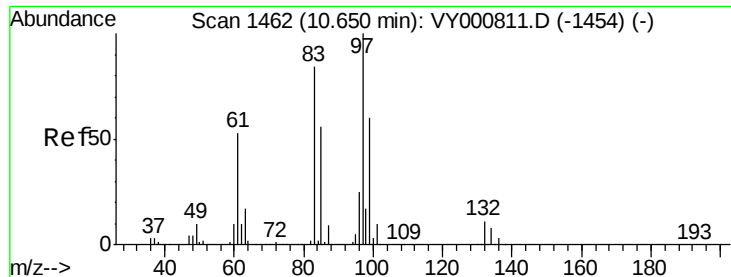
12/4/2019 2:06:12 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.377 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion: 75 Resp: 372356
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.7 37.1
 39 42.4 34.5 51.7





#55
 1,1,2-Trichloroethane
 Concen: 49.978 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

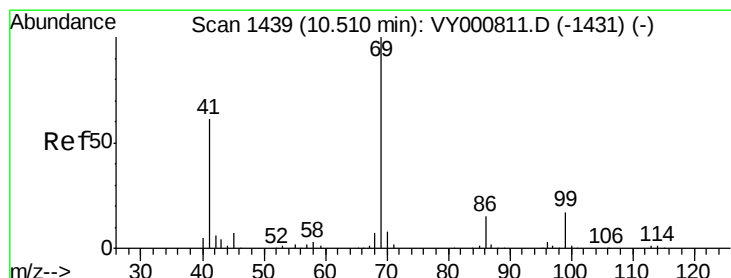
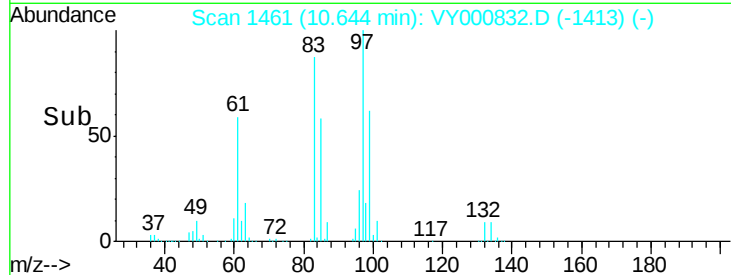
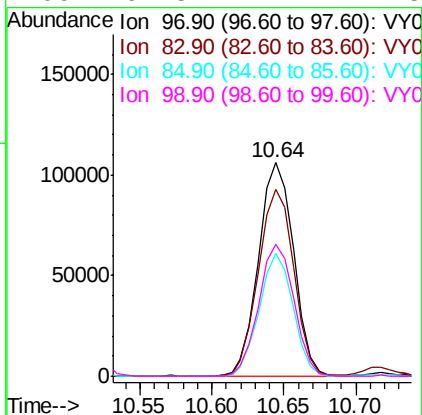
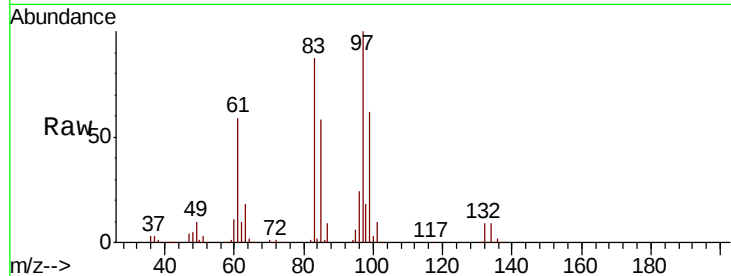
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.5	101.3
85	57.5	44.5	66.7
99	61.5	47.7	71.5

Manual Integrations
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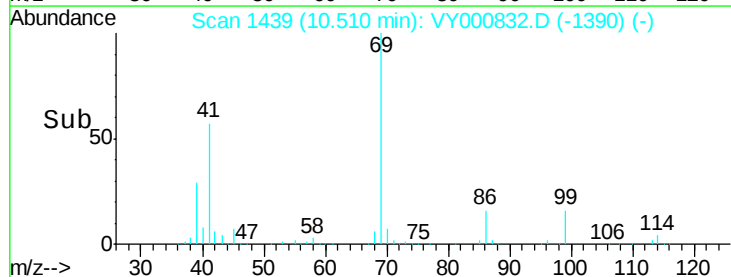
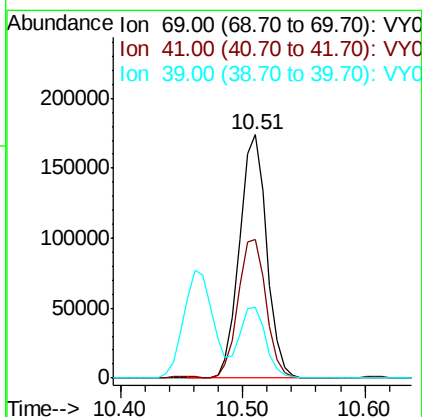
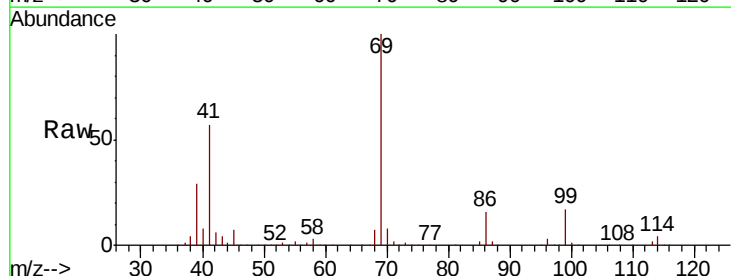
MMDadoda

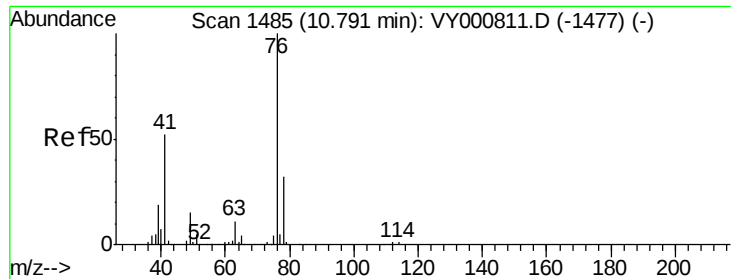
12/4/2019 2:06:12 PM



#56
 Ethyl methacrylate
 Concen: 52.183 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.4	49.0	73.6
39	28.8	23.1	34.7





#57
 1,3-Dichloropropane
 Concen: 49.974 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

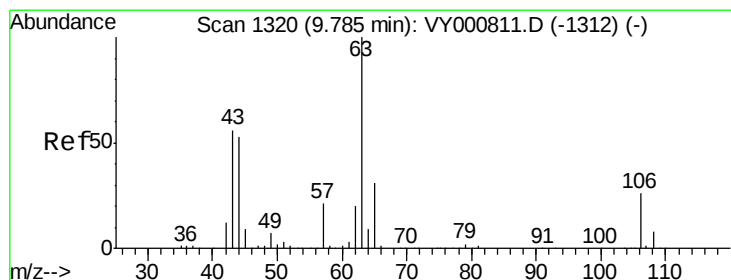
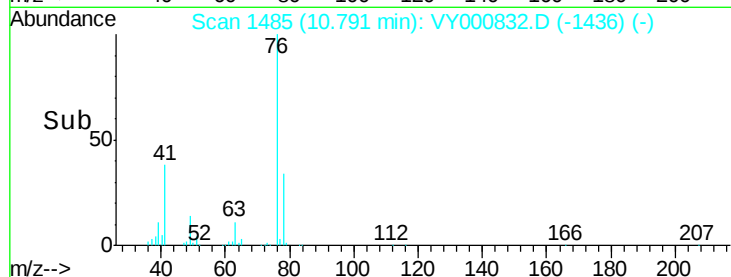
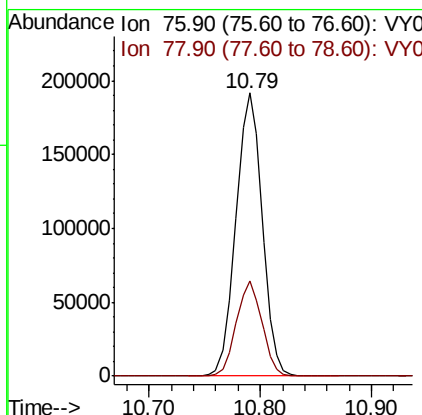
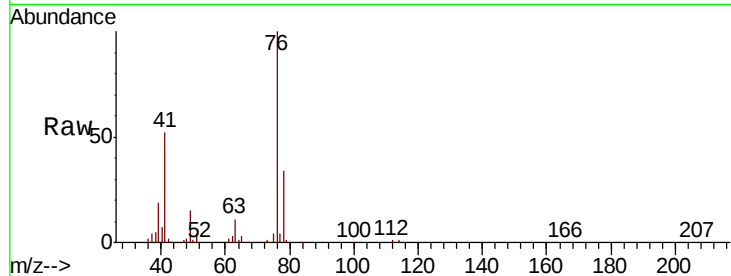
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 312629
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.4 39.6

Manual Integrations
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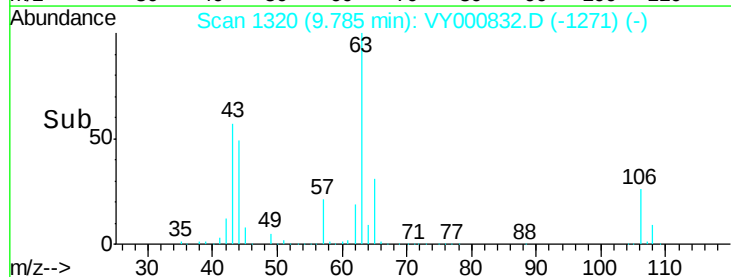
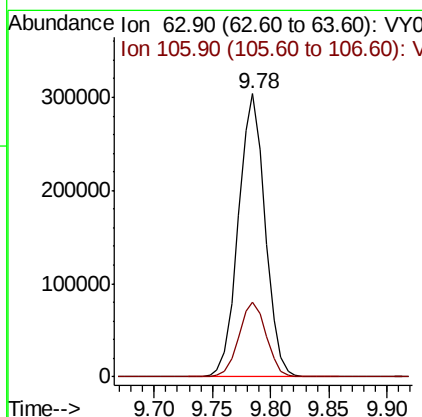
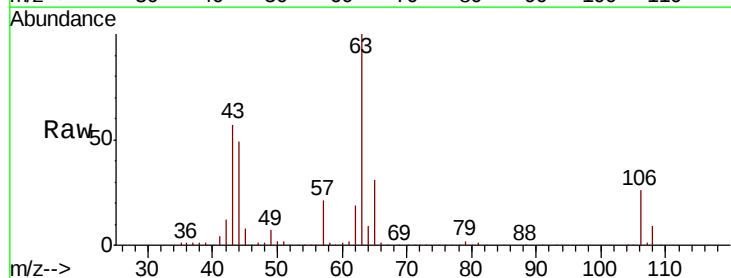
MMDadoda

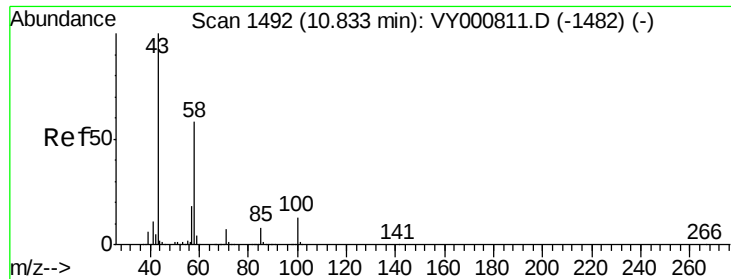
12/4/2019 2:06:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.248 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion: 63 Resp: 487051
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3





#59
2-Hexanone
Concen: 258.556 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

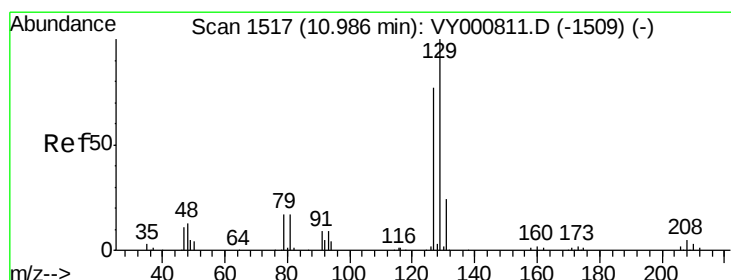
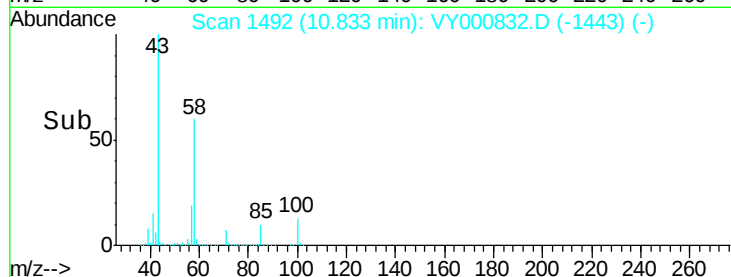
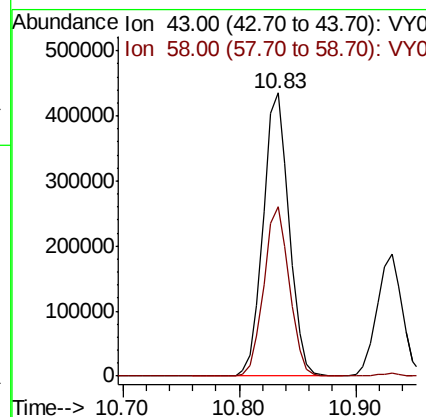
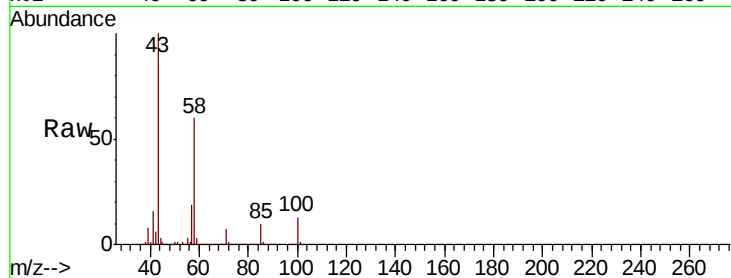
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.7	29.0	87.1

Manual Integrations
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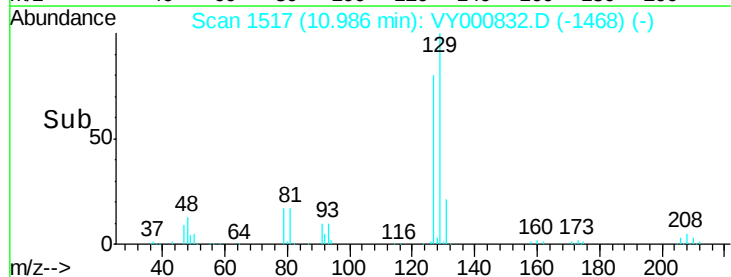
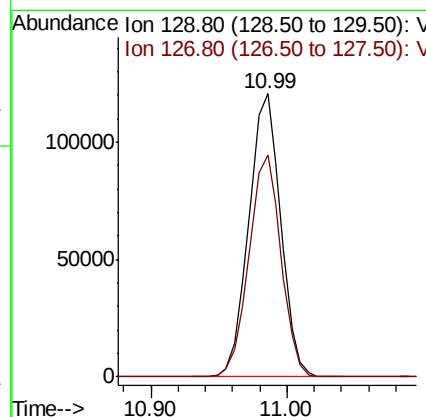
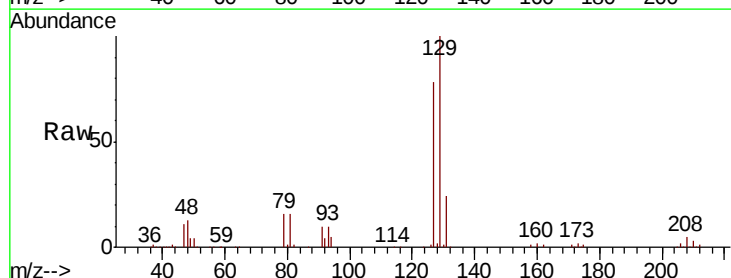
MMDadoda

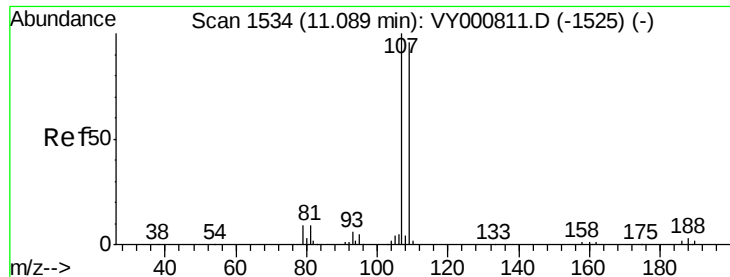
12/4/2019 2:06:12 PM



#60
Dibromochloromethane
Concen: 51.359 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.2





#61
 1,2-Dibromoethane
 Concen: 51.474 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

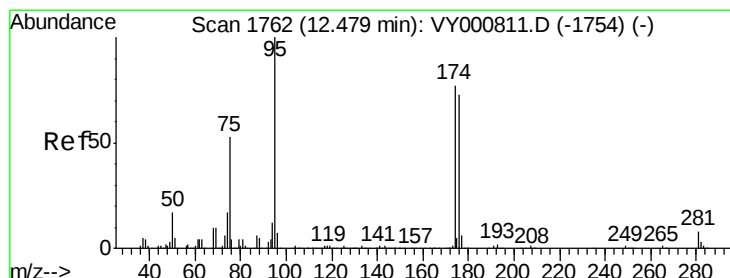
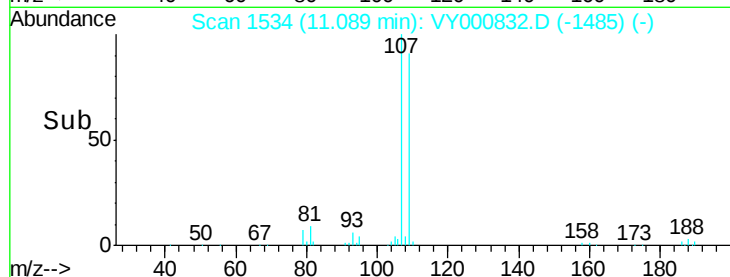
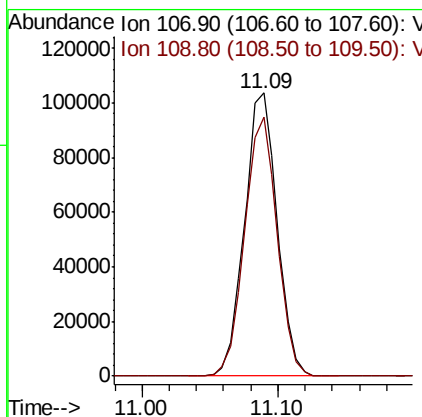
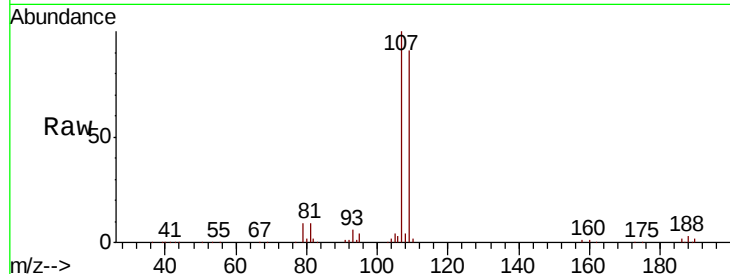
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.9	113.9

Manual Integrations
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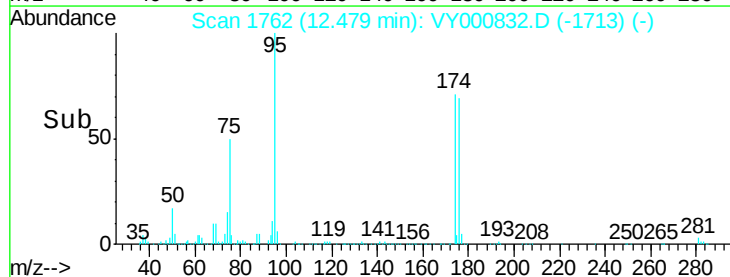
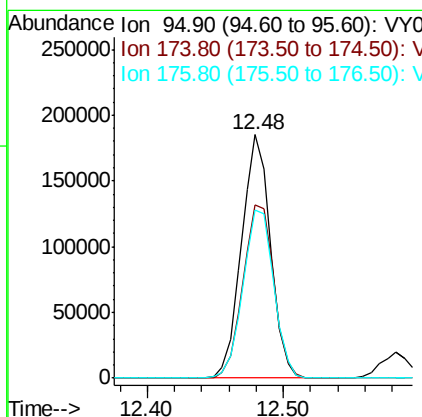
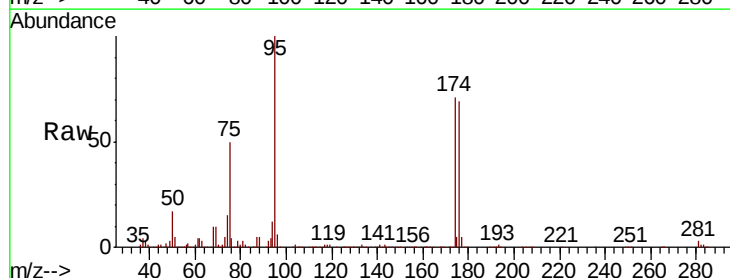
MMDadoda

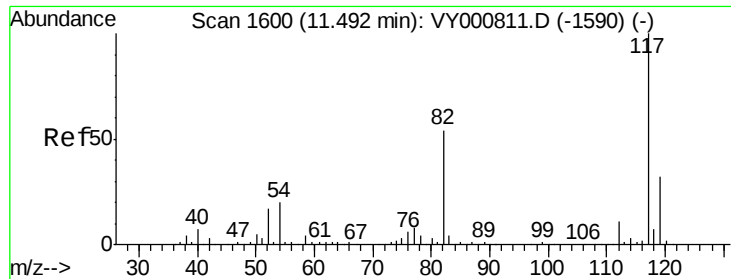
12/4/2019 2:06:12 PM



#62
 4-Bromofluorobenzene
 Concen: 49.191 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	73.8	0.0	145.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

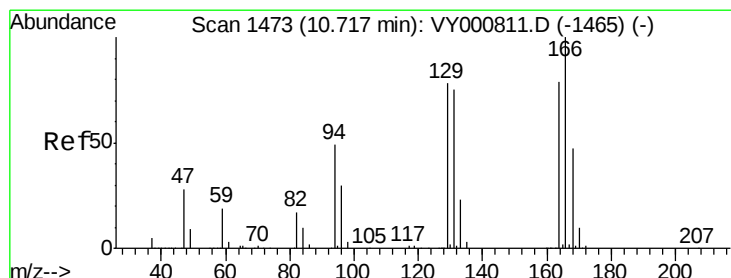
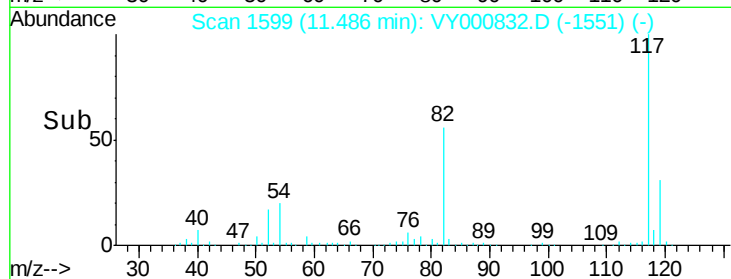
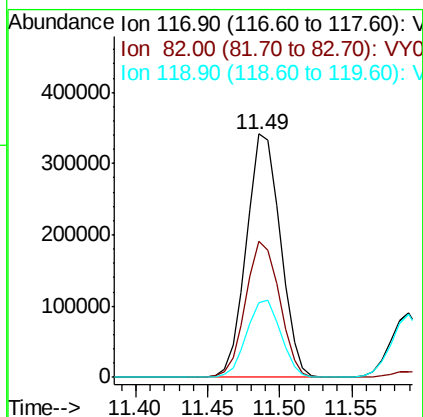
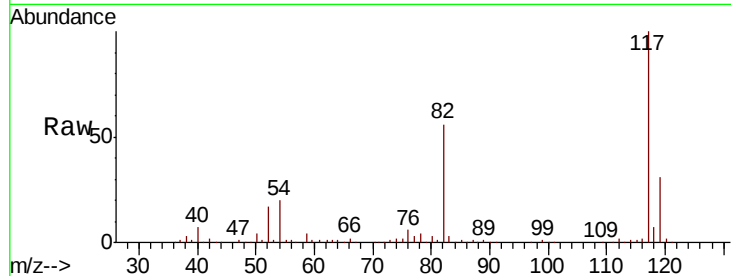
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.1	64.7
119	30.6	25.3	37.9

Manual Integrations
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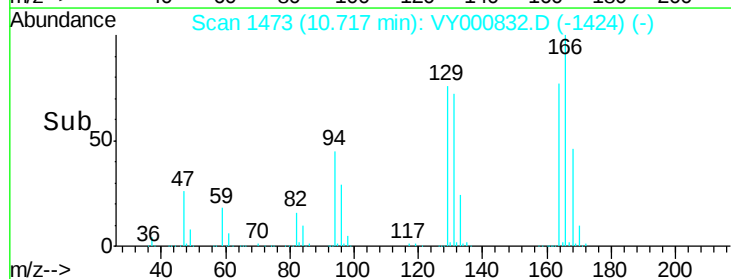
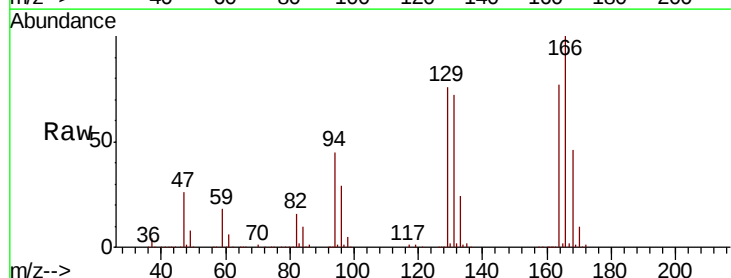
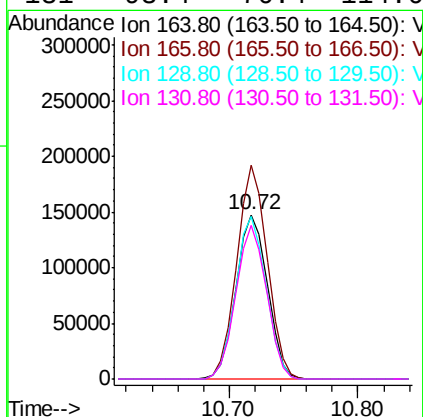
MMDadoda

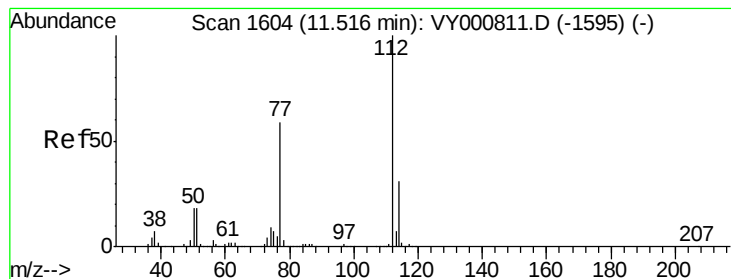
12/4/2019 2:06:12 PM



#64
Tetrachloroethene
Concen: 51.485 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.8	152.8
129	99.0	79.3	118.9
131	93.4	76.4	114.6





#65

Chlorobenzene

Concen: 51.508 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 596721

Ion Ratio Lower Upper

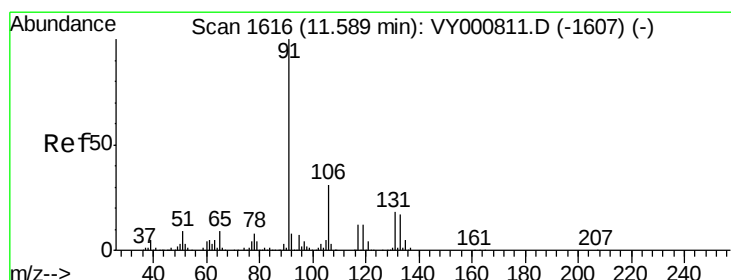
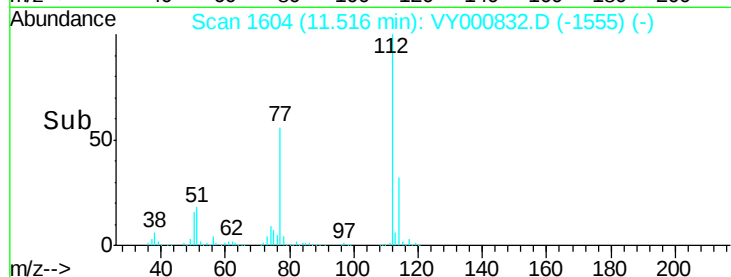
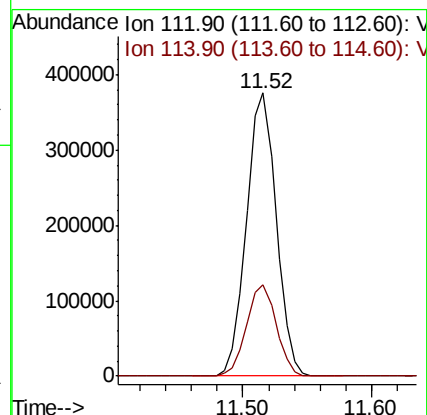
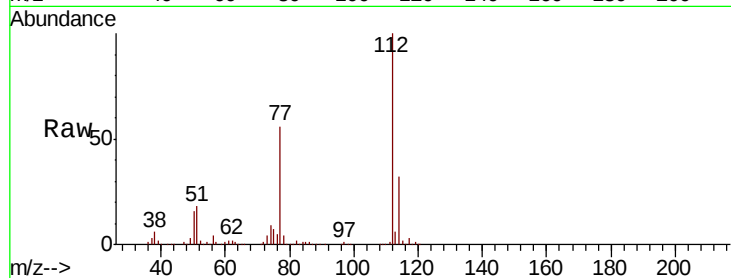
112 100

114 32.3 25.1 37.7

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.128 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

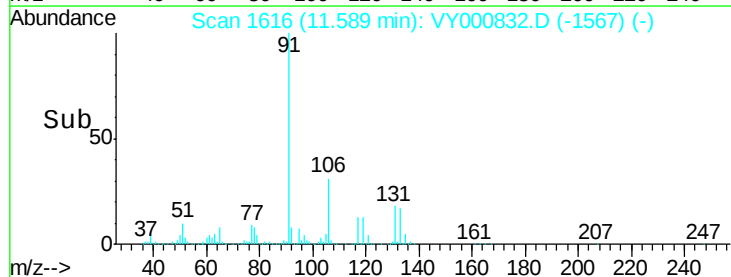
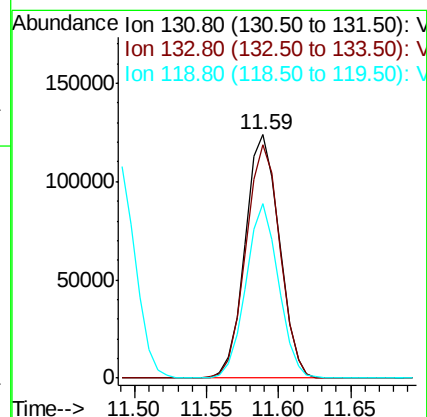
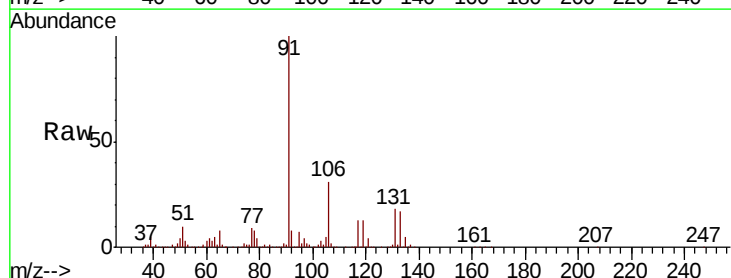
Tgt Ion:131 Resp: 203519

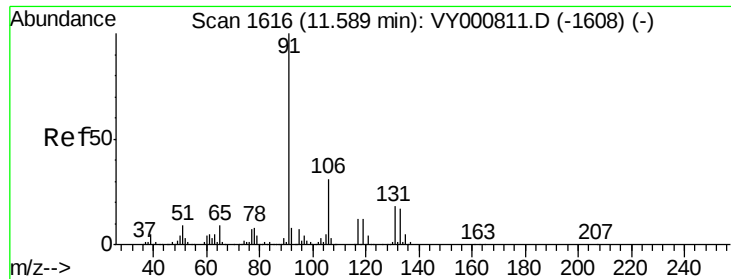
Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.2

119 68.3 33.8 101.3





#67

Ethyl Benzene

Concen: 51.030 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1101014

Ion Ratio Lower Upper

91 100

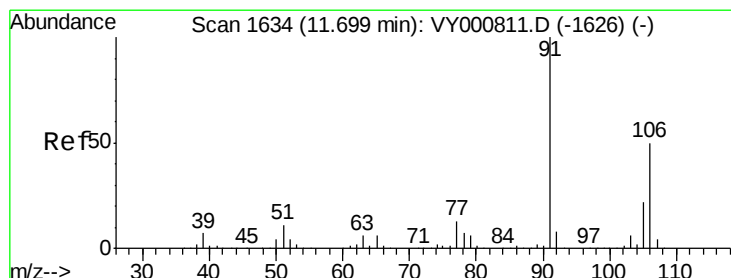
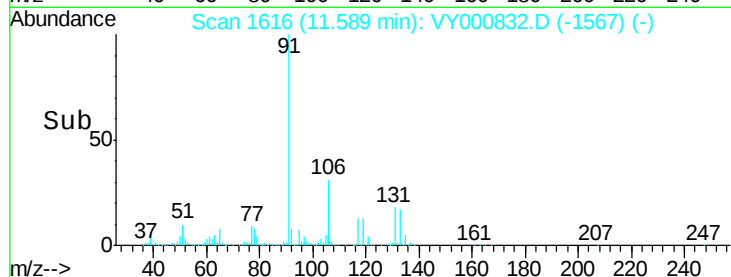
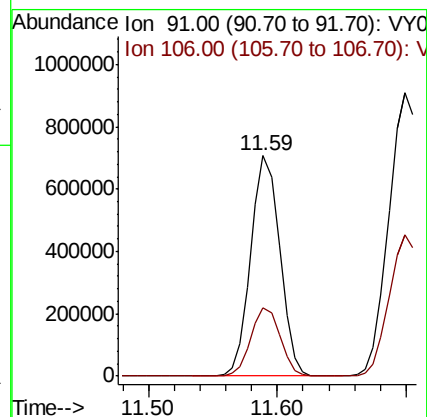
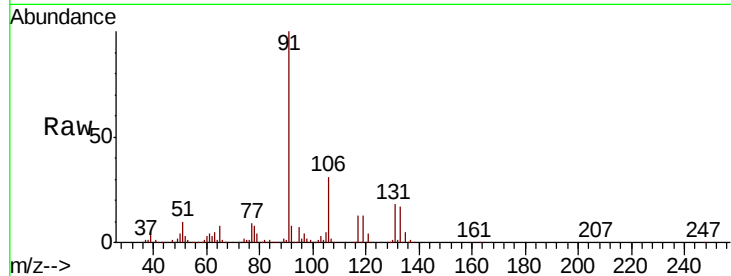
106 31.1 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.321 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000832.D

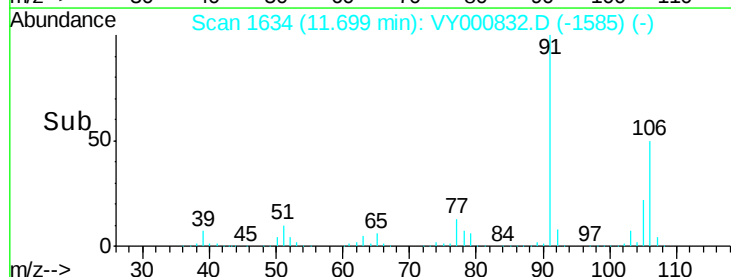
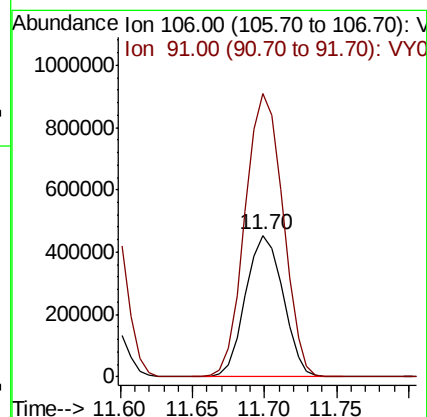
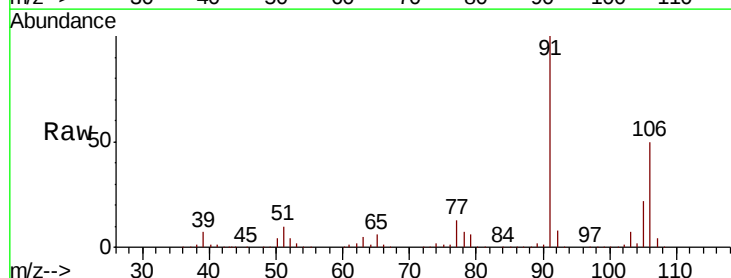
Acq: 03 Dec 2019 10:24

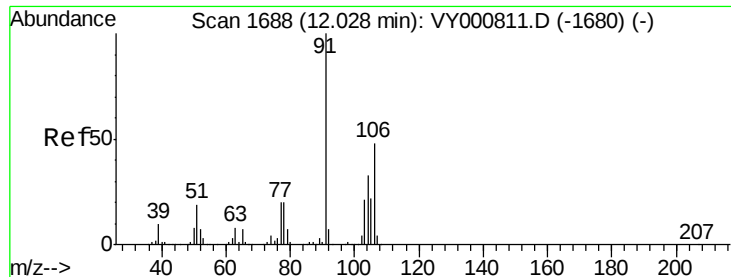
Tgt Ion: 106 Resp: 820536

Ion Ratio Lower Upper

106 100

91 202.6 159.6 239.4





#69
o-Xylene
Concen: 52.082 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

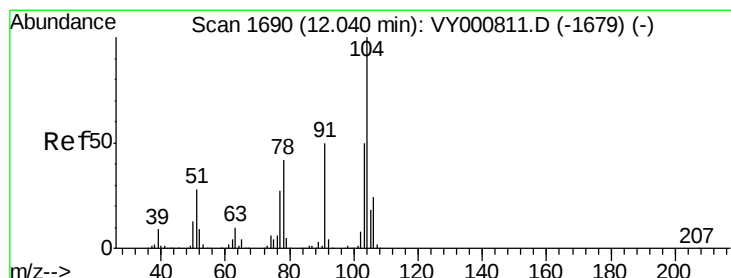
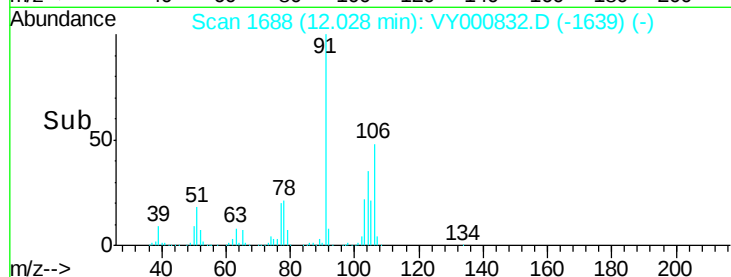
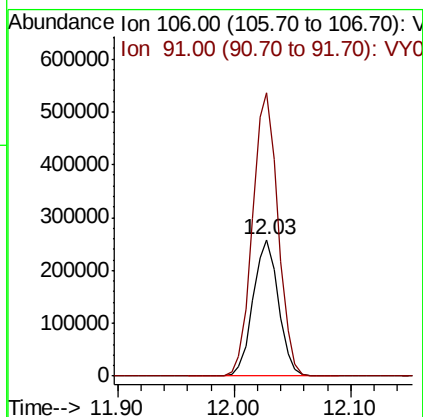
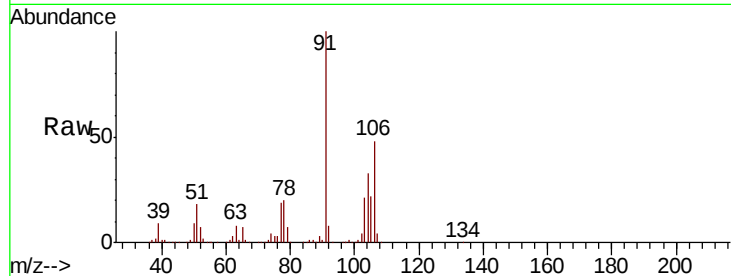
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.3	106.1	393263		318.1

Manual Integrations
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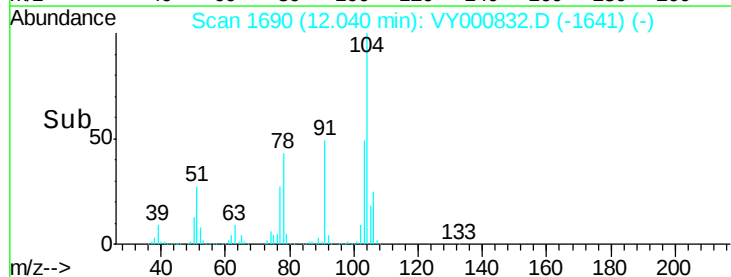
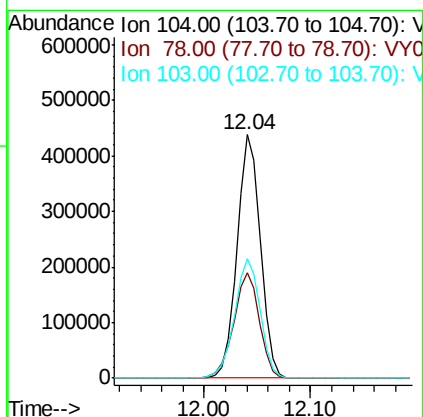
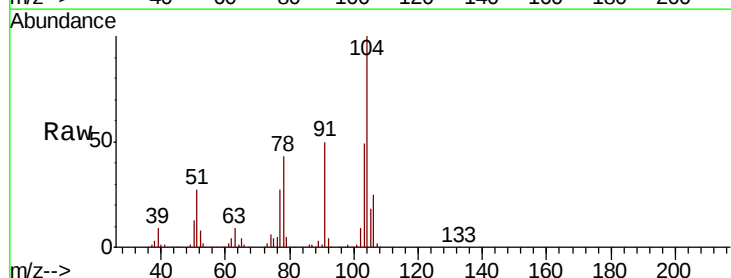
MMDadoda

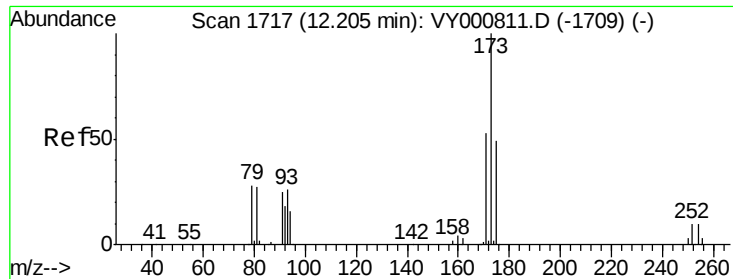
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#70
Styrene
Concen: 52.237 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.4	38.2	675390		57.4
103	53.3	43.4			65.0





#71

Bromoform

Concen: 53.229 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 117208

Ion Ratio Lower Upper

173 100

175 48.5 24.5 73.5

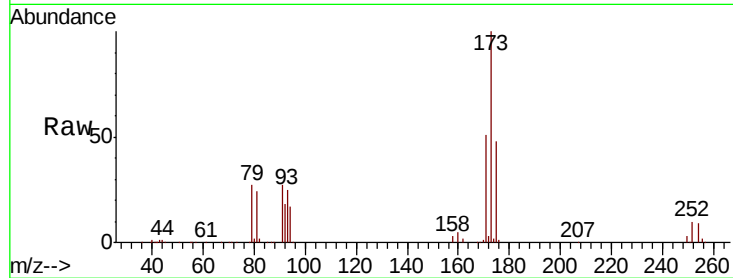
254 0.1 0.0 0.0#

Manual Integrations

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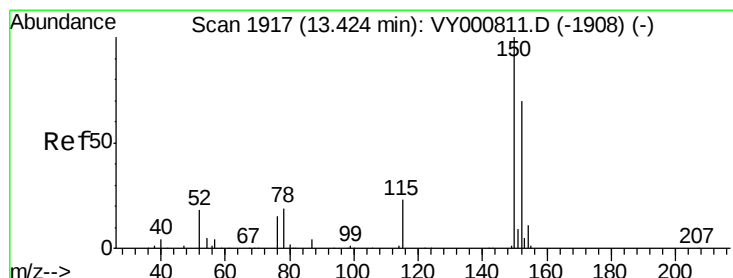
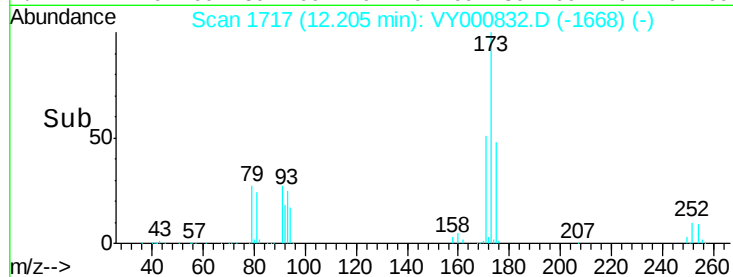
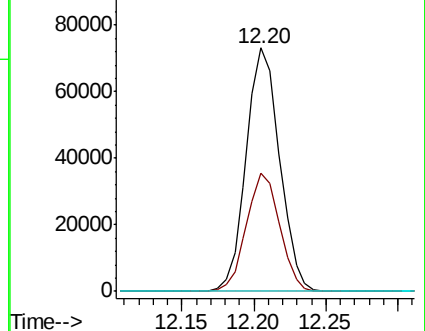
12/4/2019 2:06:12 PM



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: VY000832.D

Acq: 03 Dec 2019 10:24

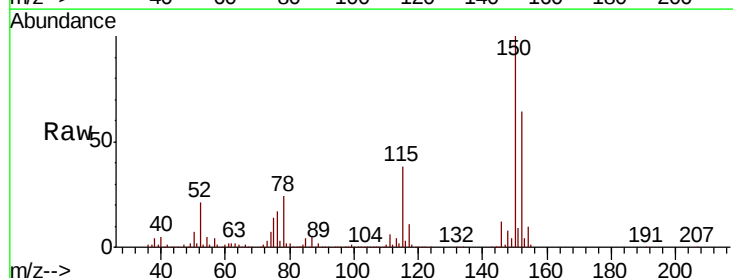
Tgt Ion:152 Resp: 259146

Ion Ratio Lower Upper

152 100

115 59.9 29.3 87.8

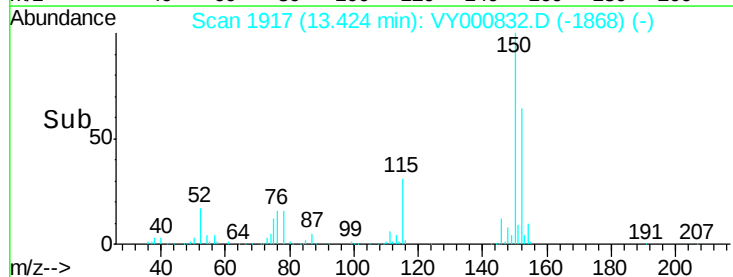
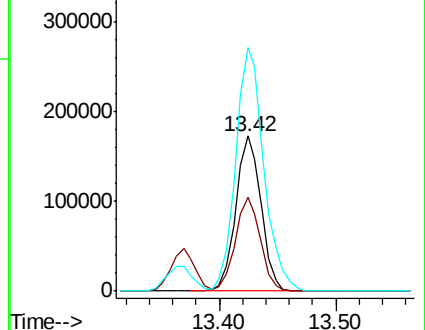
150 175.1 0.0 351.2

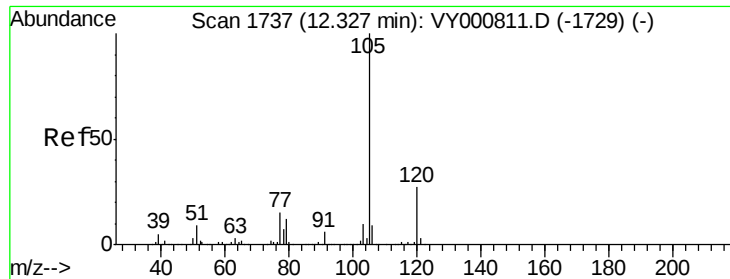


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73
Isopropylbenzene
Concen: 50.728 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

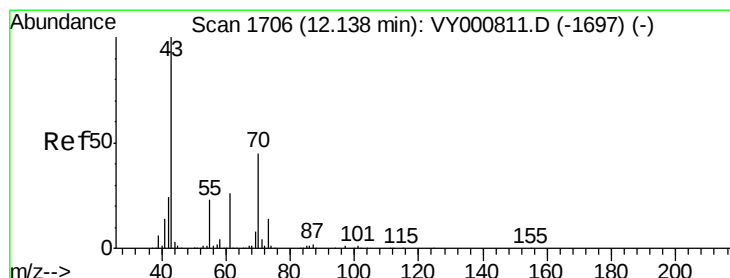
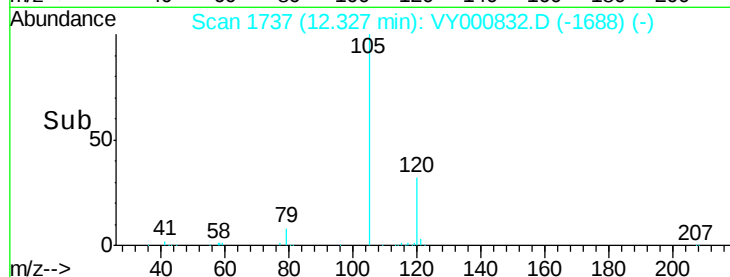
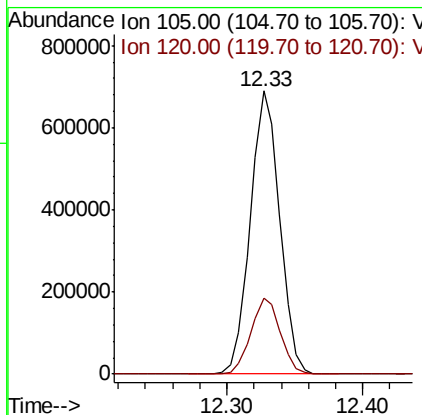
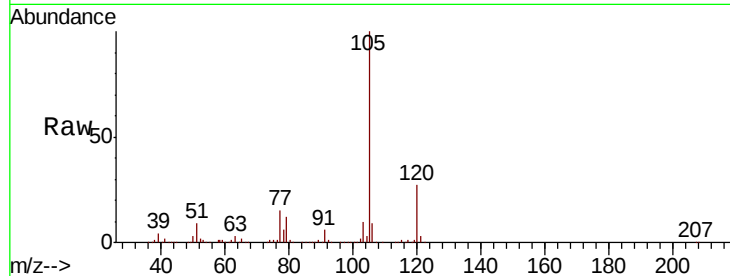
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1046719
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

Manual Integrations
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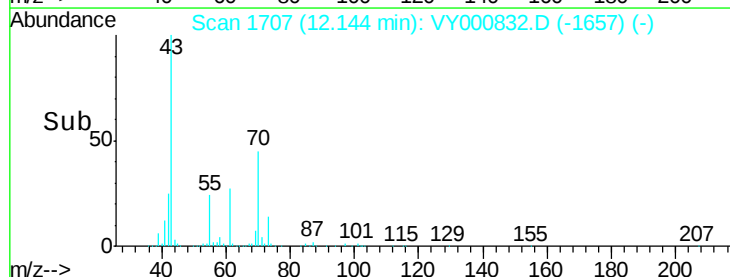
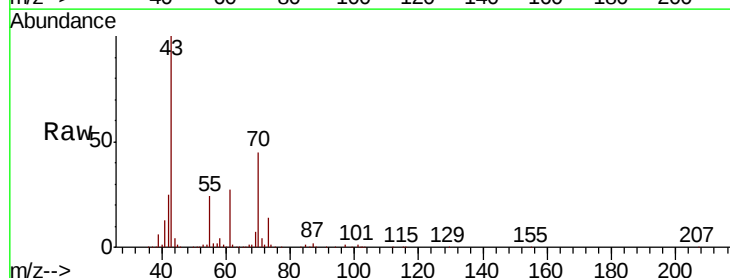
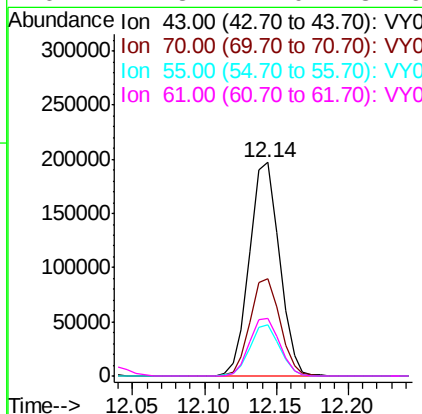
MMDadoda

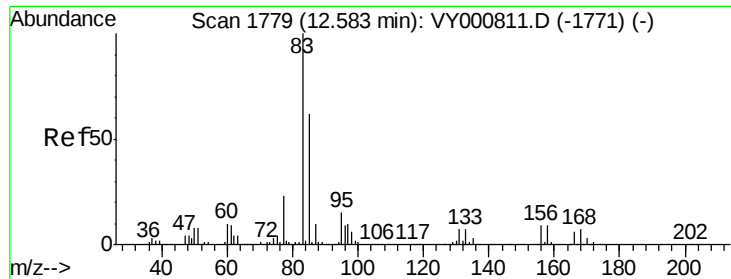
12/4/2019 2:06:12 PM



#74
N-ethyl acetate
Concen: 49.569 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion: 43 Resp: 284679
Ion Ratio Lower Upper
43 100
70 45.5 36.6 54.8
55 23.9 18.8 28.2
61 27.3 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.224 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

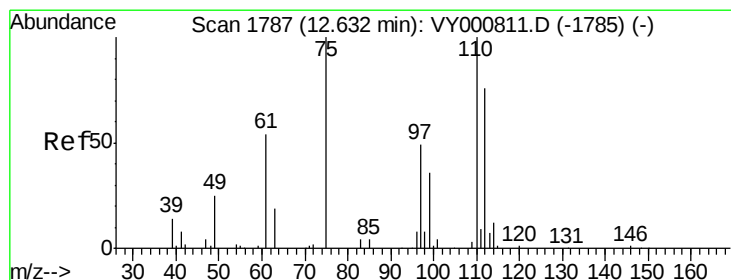
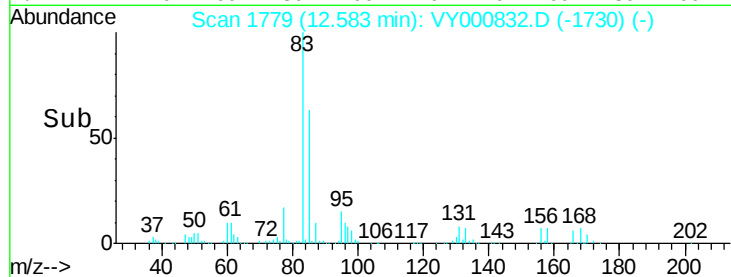
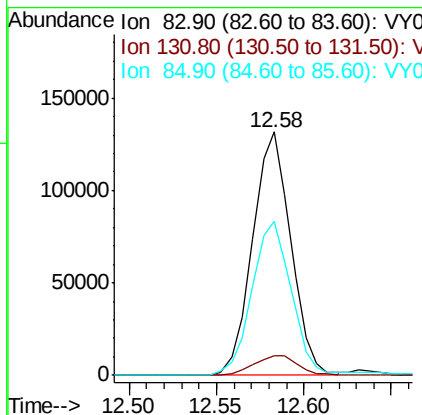
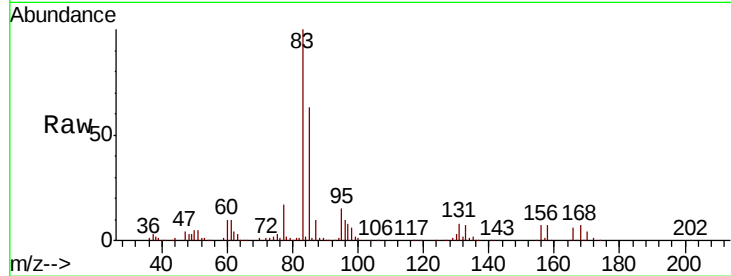
VSTDCCC050

Tot Ion:	83	Resp:	200126
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.3	13.1
85	64.8	32.4	97.0

Manual Integrations
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MMDadoda

12/4/2019 2:06:12 PM



#76

1,2,3-Trichloropropane

Concen: 51.375 ug/l m

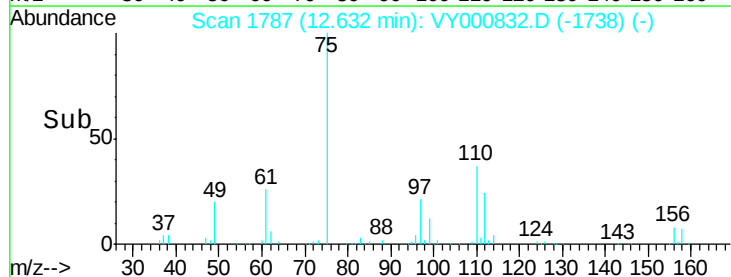
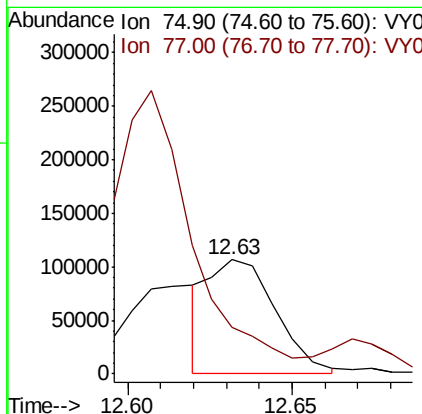
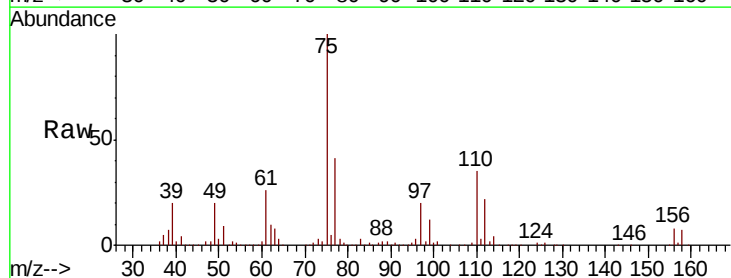
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	75	Resp:	150842
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 51.566 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

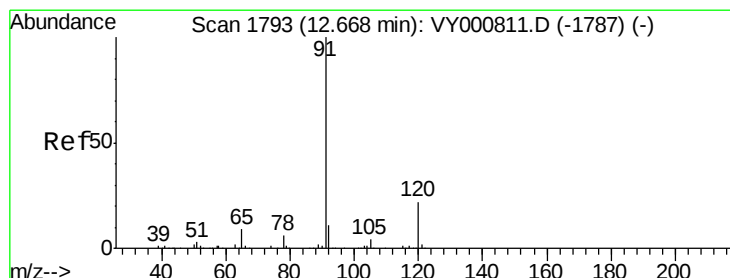
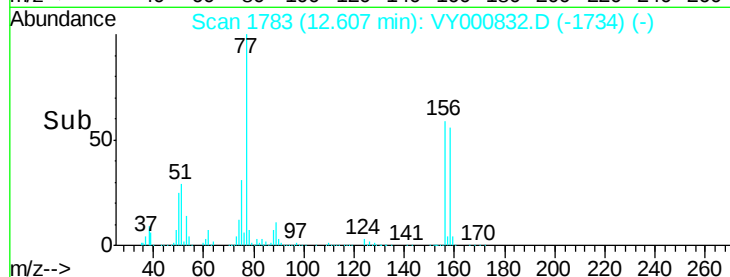
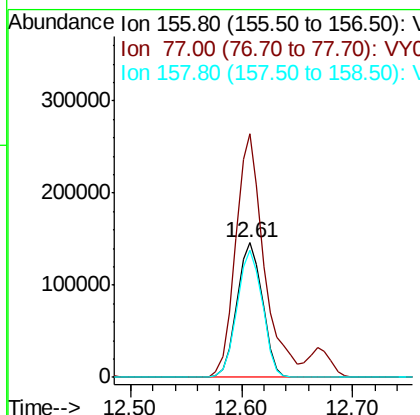
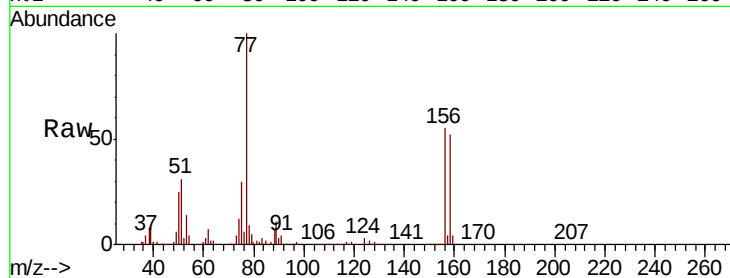
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	201.3	102.6	307.7	
158	94.5	47.6	142.8	

Manual Integrations
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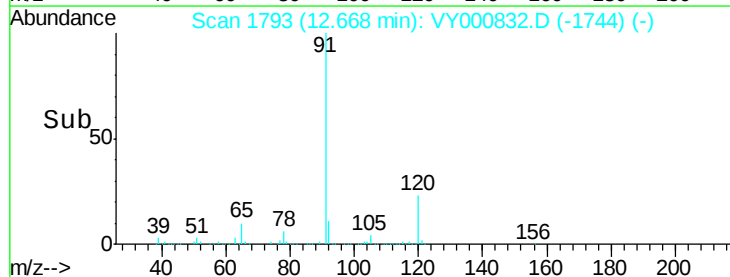
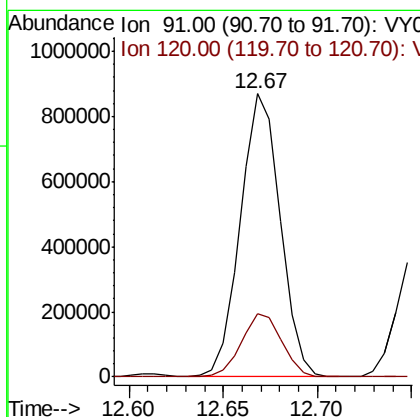
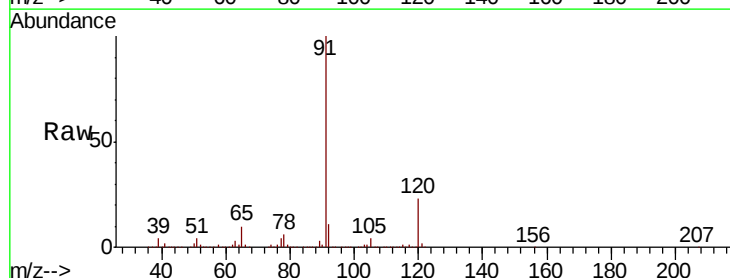
MMDadoda

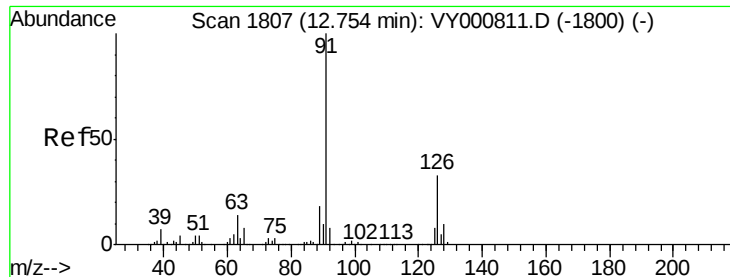
12/4/2019 2:06:12 PM



#78
n-propylbenzene
Concen: 50.617 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	11.2	33.5	





#79

2-Chlorotoluene

Concen: 50.701 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 705684

Ion Ratio Lower Upper

91 100

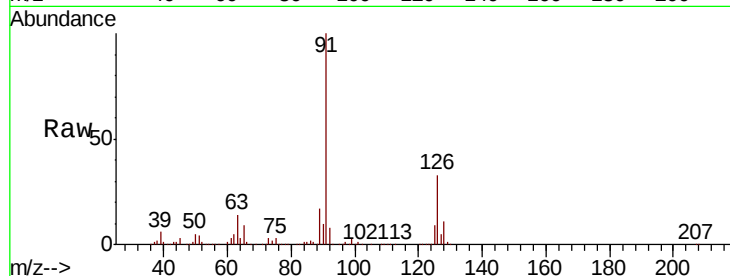
126 33.9 17.0 51.0

Manual Integrations

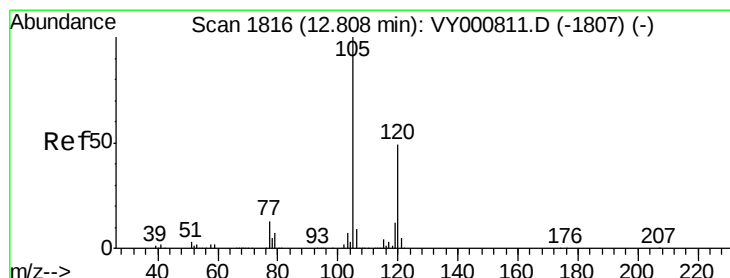
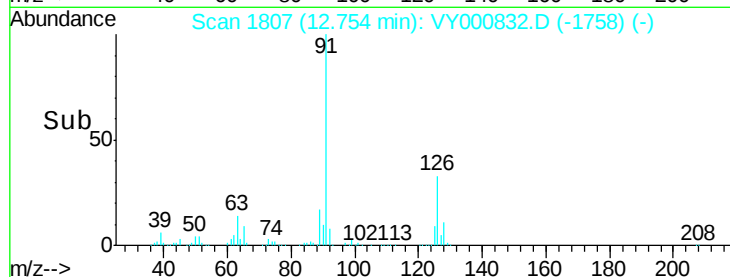
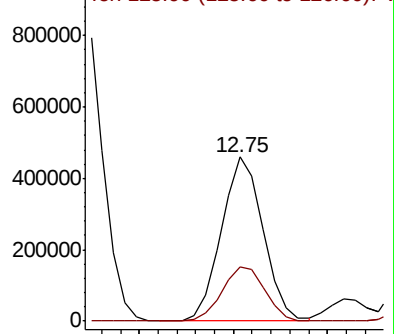
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Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.178 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000832.D

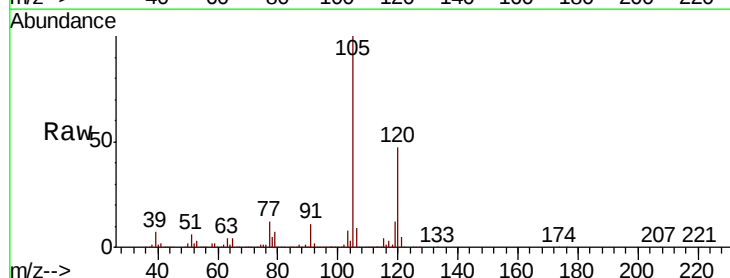
Acq: 03 Dec 2019 10:24

Tgt Ion: 105 Resp: 874334

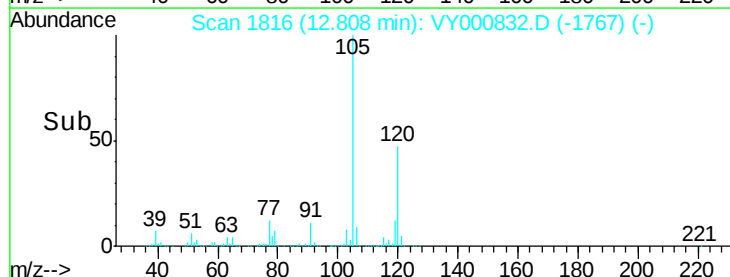
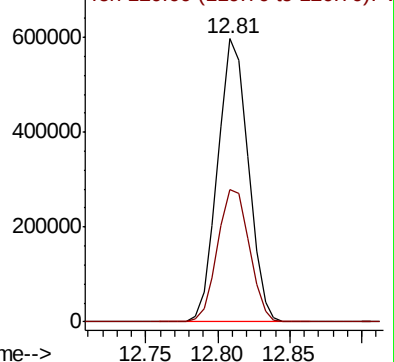
Ion Ratio Lower Upper

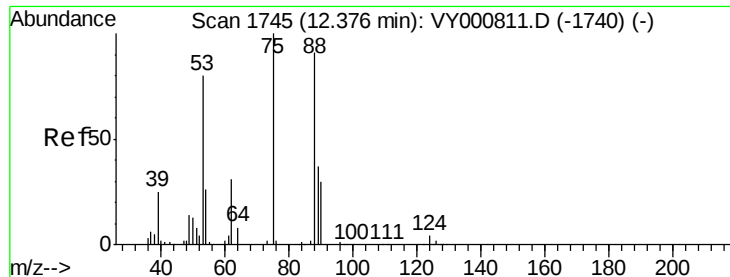
105 100

120 48.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000811.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.920 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

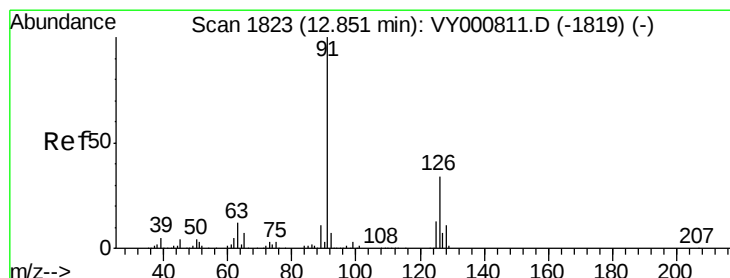
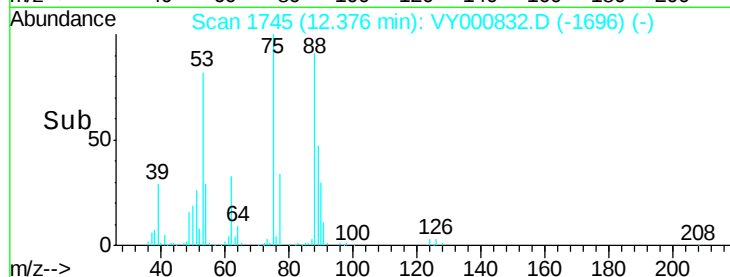
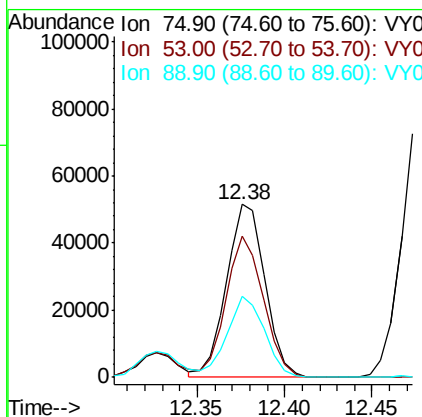
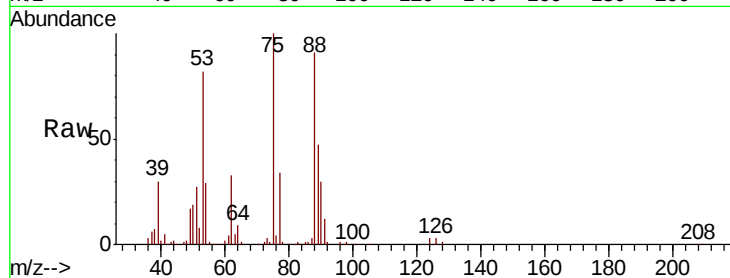
VSTDCCC050

Tot Ion:	75	Resp:	79102
Ion Ratio	Lower	Upper	
75	100		
53	78.9	64.6	96.8
89	44.8	33.6	50.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.977 ug/l

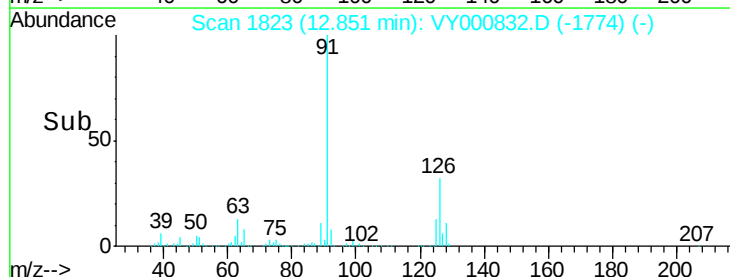
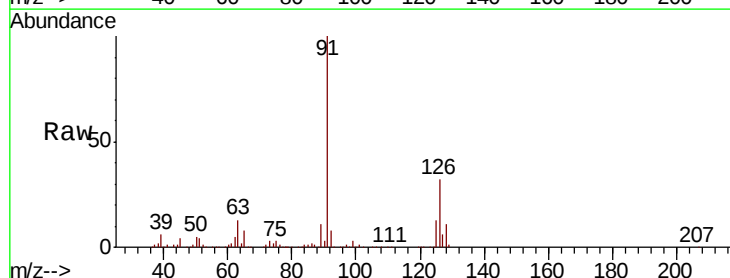
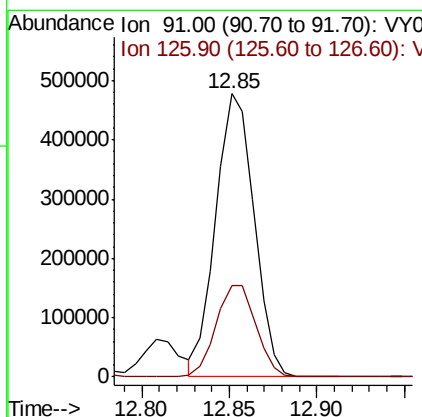
RT: 12.85 min Scan# 1823

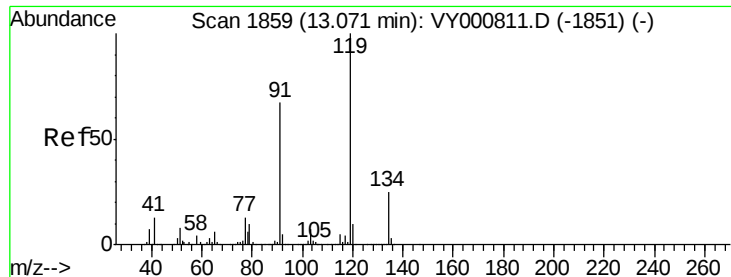
Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	91	Resp:	730998
Ion Ratio	Lower	Upper	
91	100		
126	33.9	17.3	51.9





#83

tert-Butylbenzene

Concen: 50.879 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

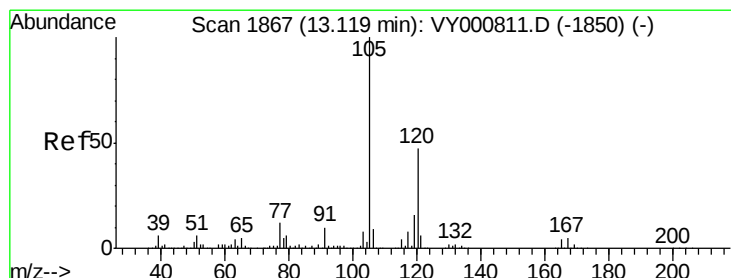
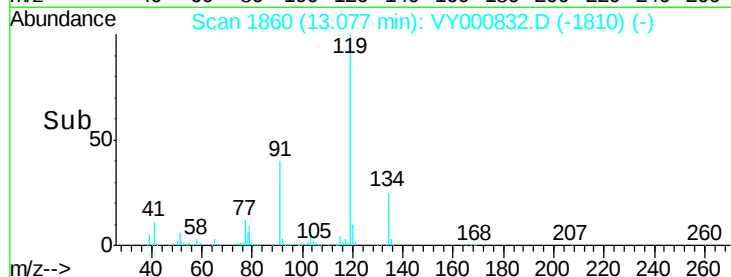
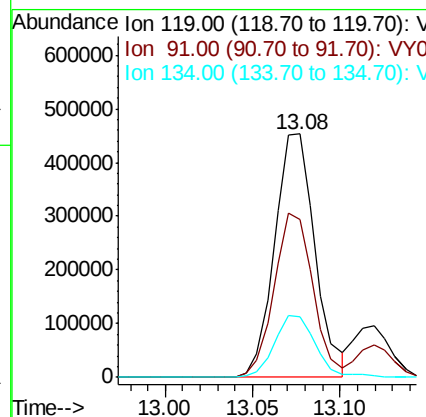
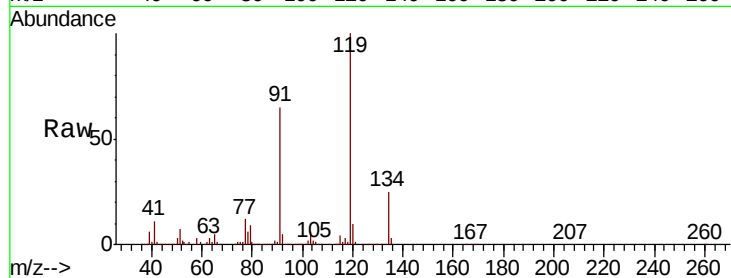
VSTDCCC050

Tot Ion:	119	Resp:	730805
Ion Ratio	Lower	Upper	
119	100		
91	64.9	32.3	96.8
134	26.0	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.994 ug/l

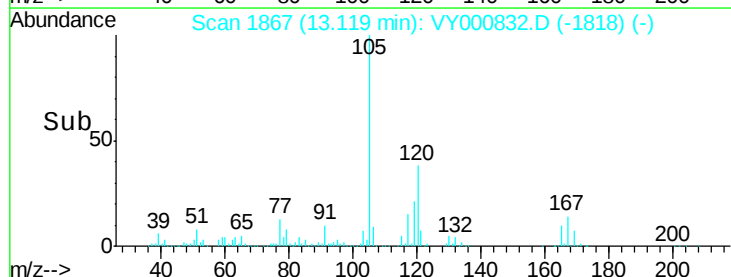
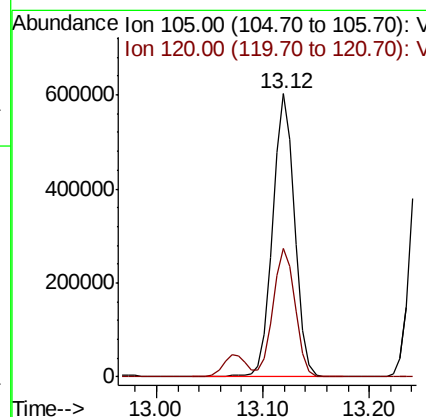
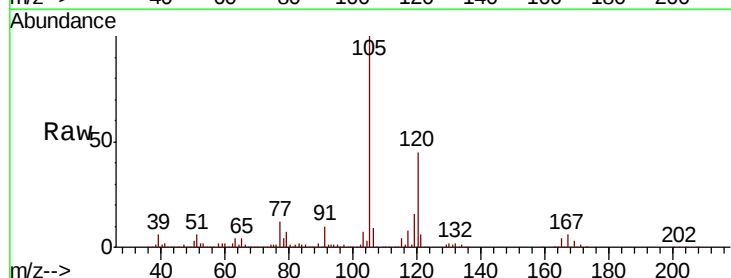
RT: 13.12 min Scan# 1867

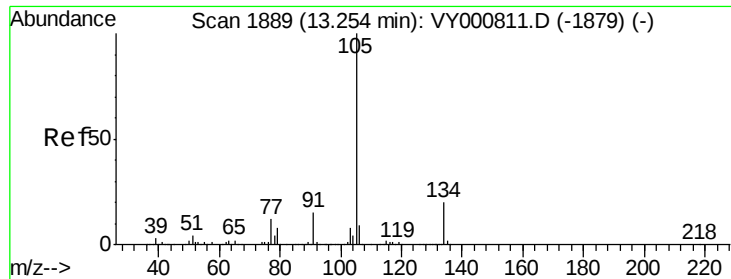
Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	105	Resp:	871613
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.068 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1066785

Ion Ratio Lower Upper

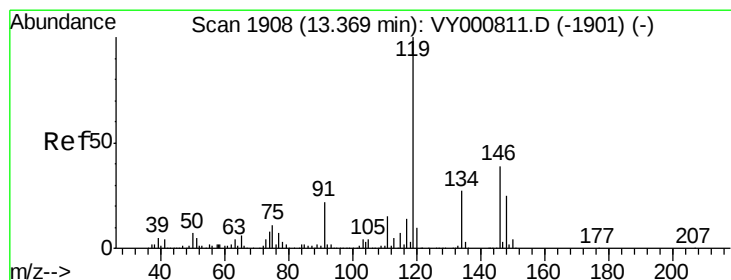
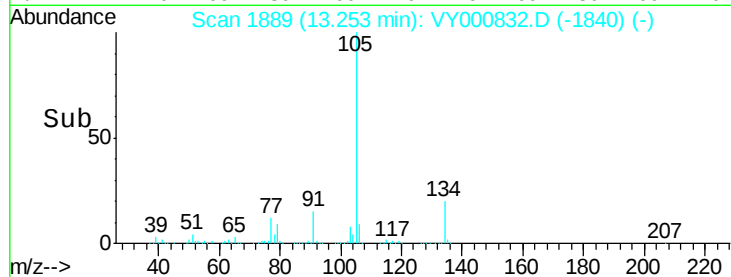
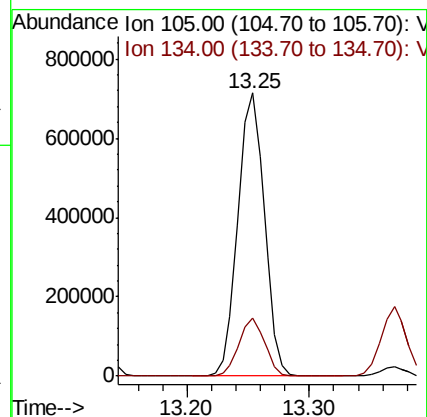
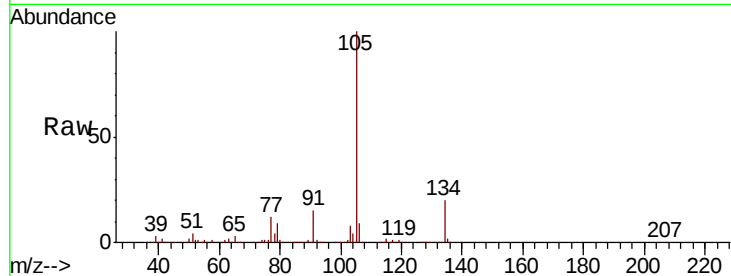
105 100

134 20.0 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.329 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

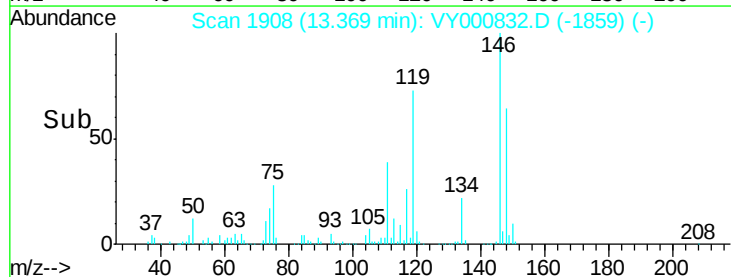
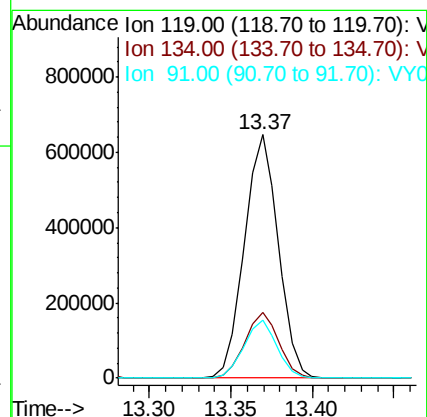
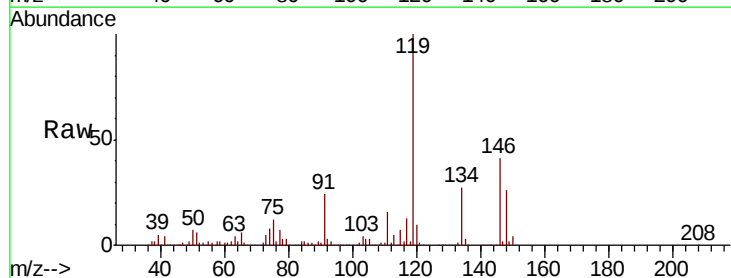
Tgt Ion:119 Resp: 932620

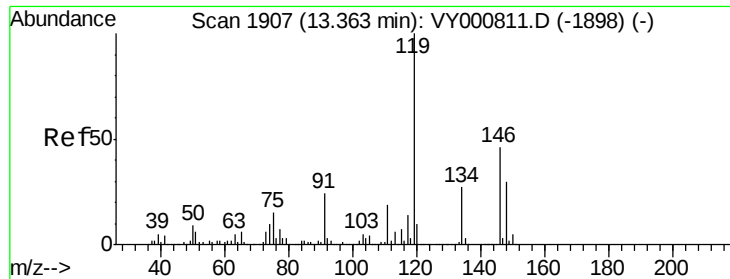
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.2 11.5 34.5





#87
 1,3-Dichlorobenzene
 Concen: 50.562 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

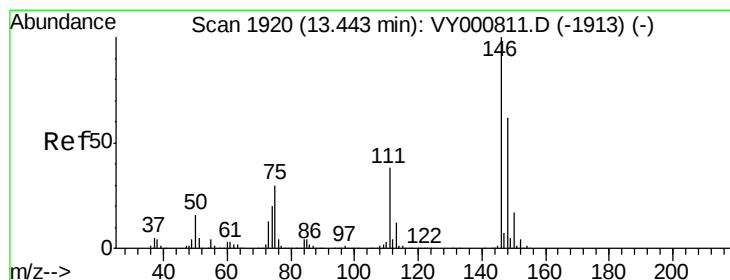
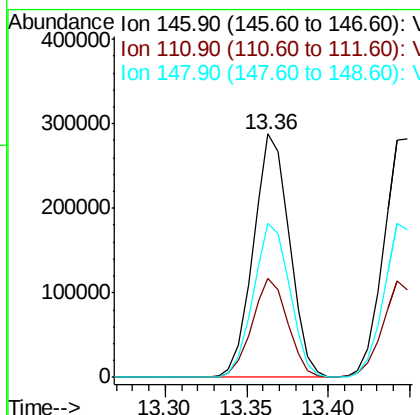
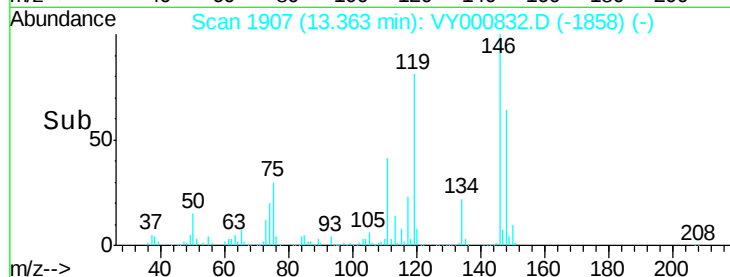
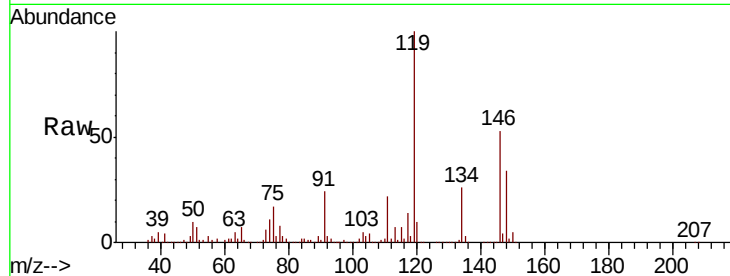
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	443632		
111	40.1	20.0	60.0	
148	63.8	32.1	96.5	

Manual Integrations
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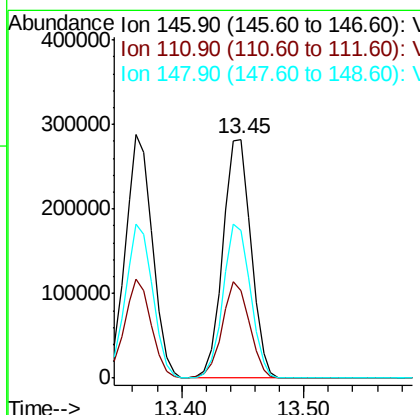
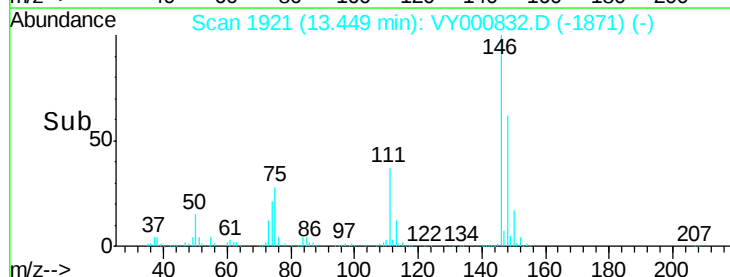
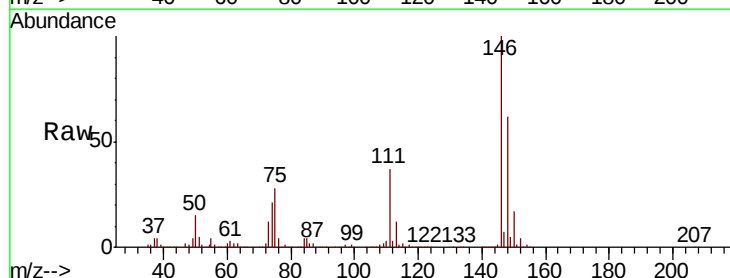
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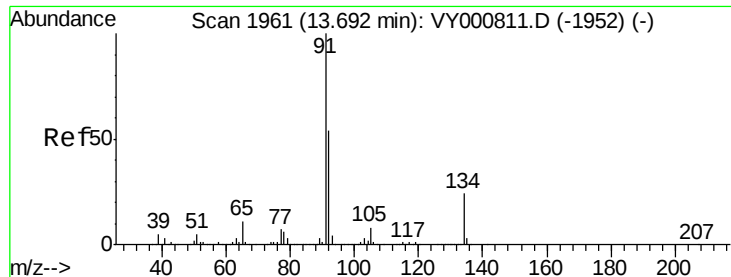
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#88
 1,4-Dichlorobenzene
 Concen: 51.495 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	447370		
111	39.2	20.0	59.9	
148	63.0	31.7	95.1	





#89
n-Butylbenzene
Concen: 51.338 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

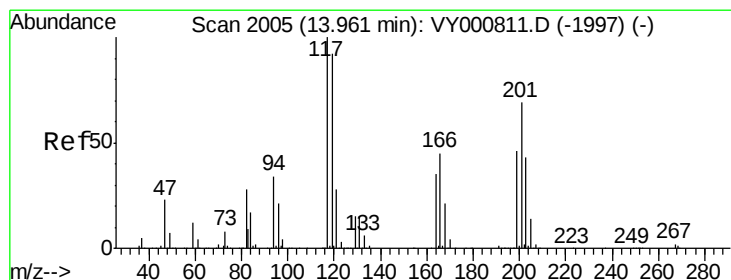
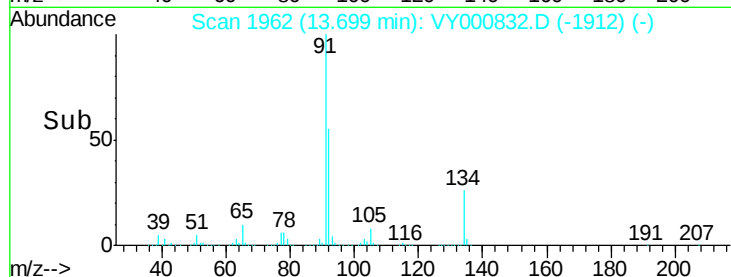
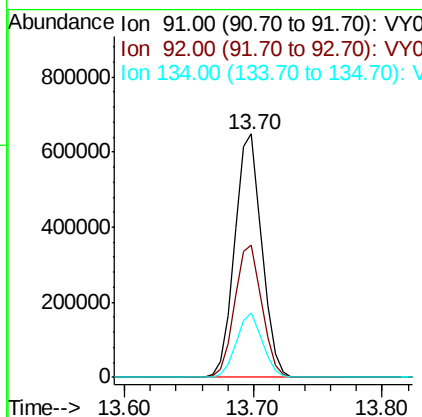
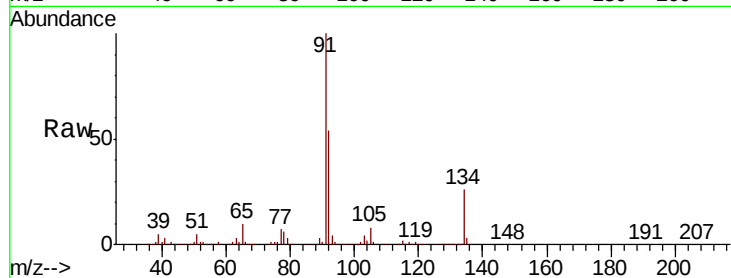
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.9	80.7
134	25.5	12.6	37.6

Manual Integrations
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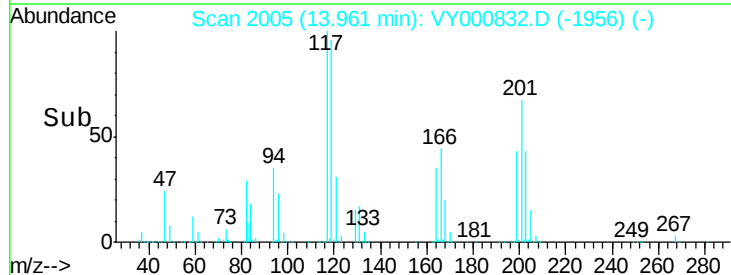
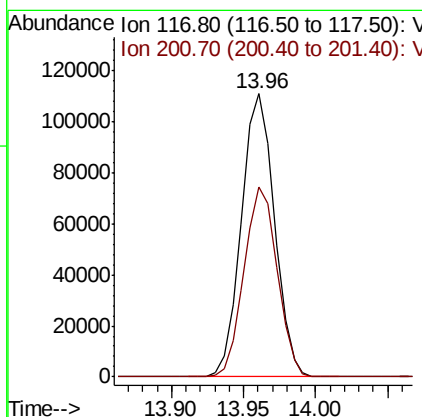
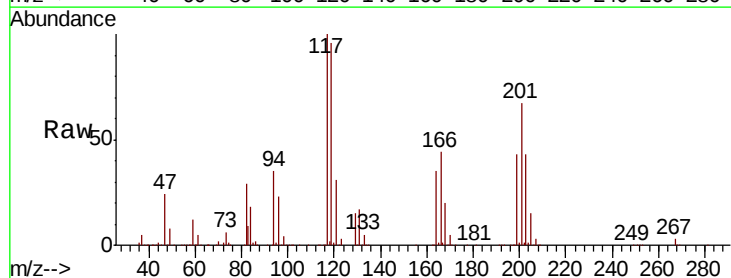
MMDadoda

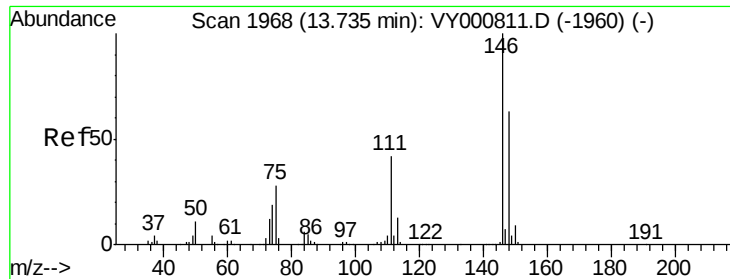
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#90
Hexachloroethane
Concen: 52.757 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.3	34.0	102.0





#91

1,2-Dichlorobenzene

Concen: 51.943 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Instrument :

MSVOA_Y

ClientSampleId :

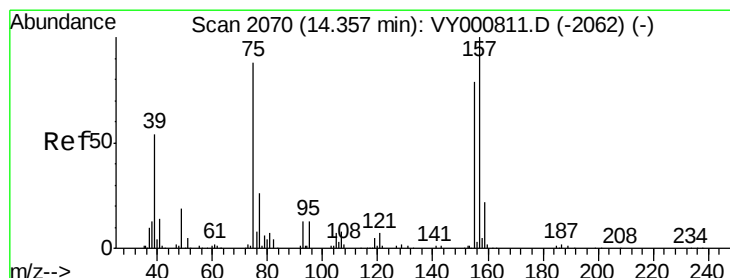
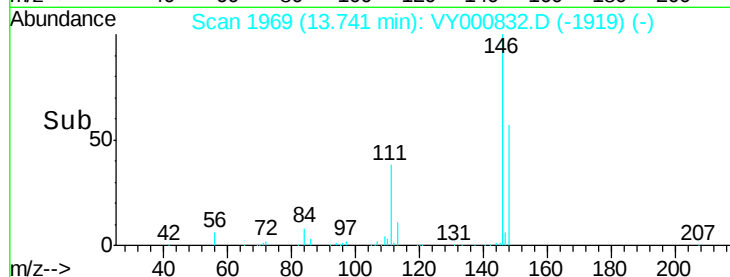
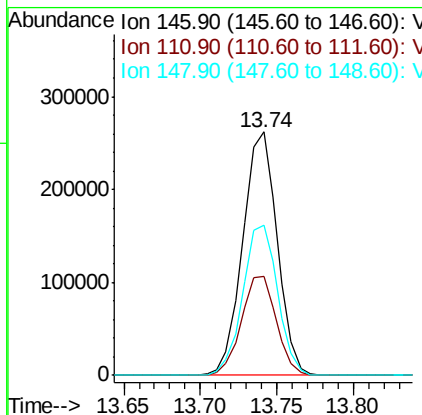
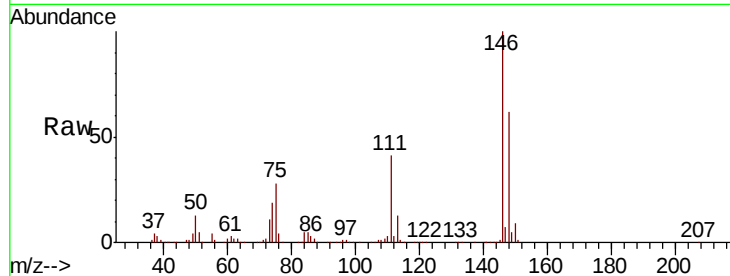
VSTDCCC050

Tot Ion:	146	Resp:	409949
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.7
148	62.4	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.603 ug/l

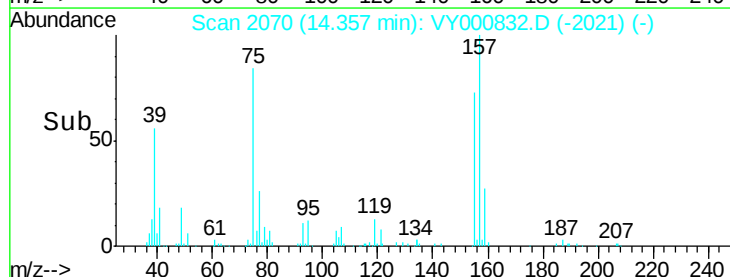
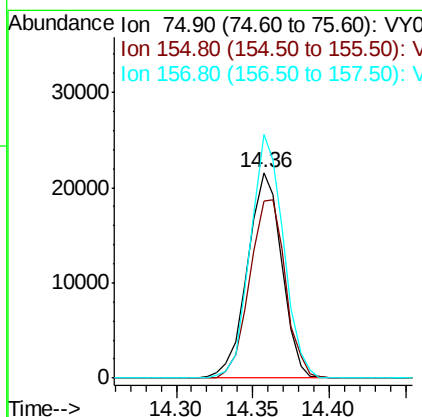
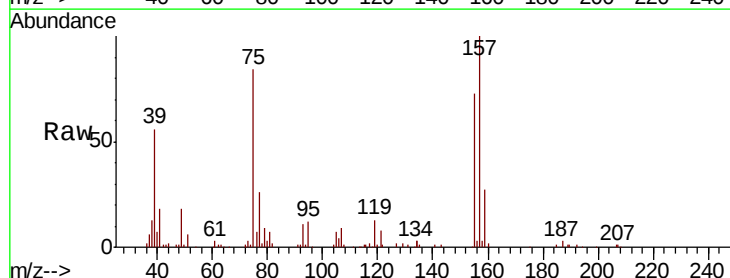
RT: 14.36 min Scan# 2070

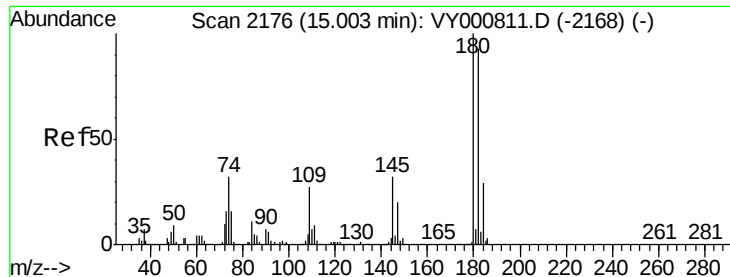
Delta R.T. -0.00 min

Lab File: VY000832.D

Acq: 03 Dec 2019 10:24

Tgt Ion:	75	Resp:	33762
Ion Ratio	Lower	Upper	
75	100		
155	90.0	44.3	132.9
157	113.8	56.3	168.9





#93
 1,2,4-Trichlorobenzene
 Concen: 51.263 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

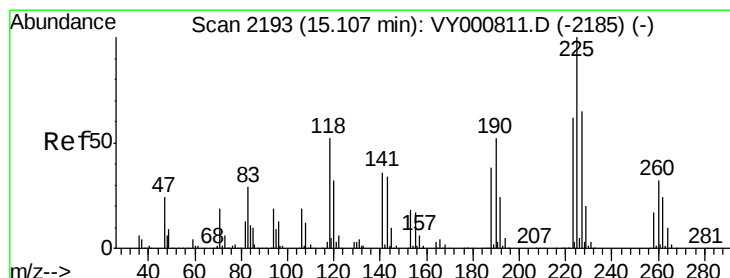
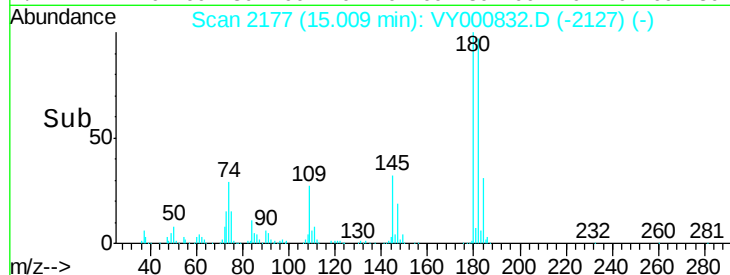
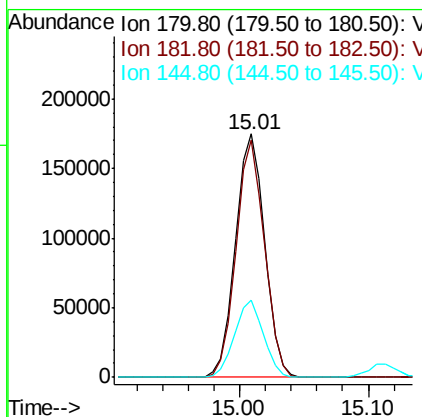
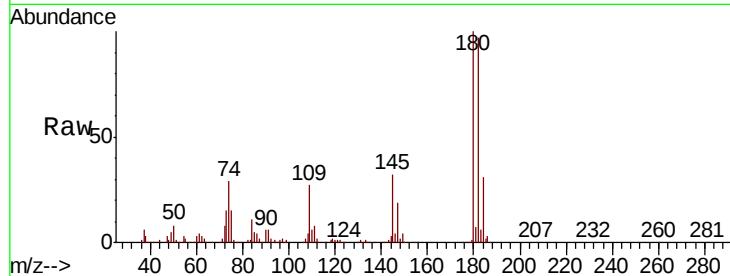
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273766		
182	94.9	47.3	141.9	
145	31.7	16.0	47.9	

Manual Integrations
 APPROVED

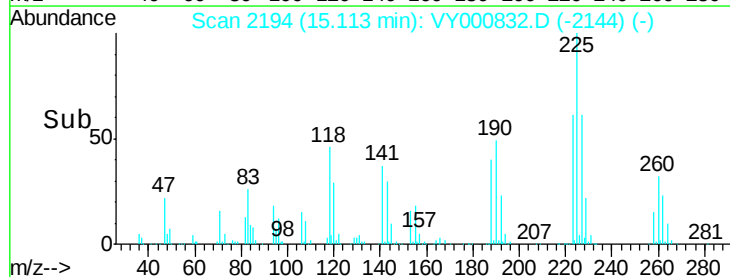
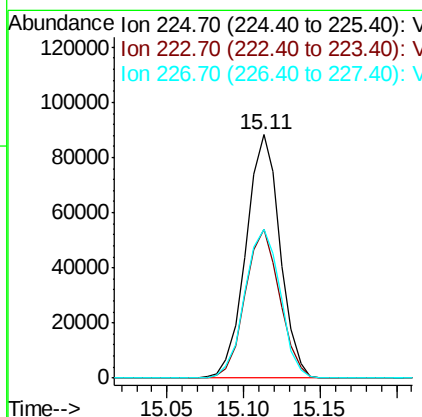
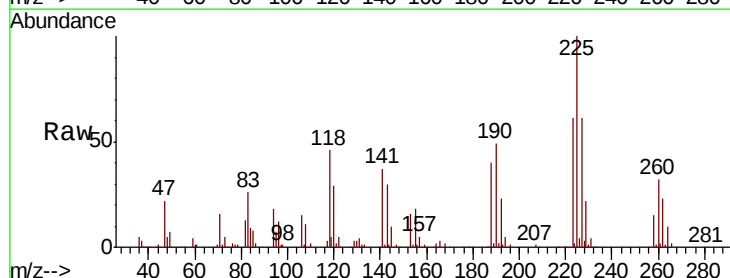
MMDadoda

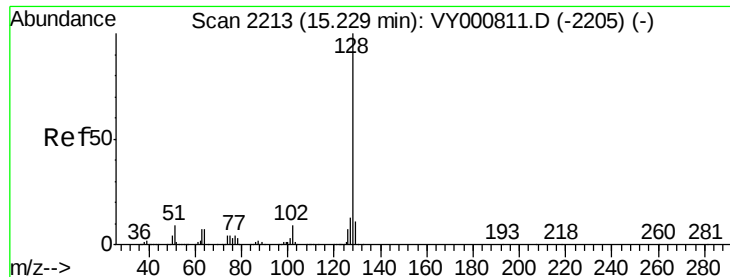
12/4/2019 2:06:12 PM



#94
 Hexachlorobutadiene
 Concen: 51.634 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000832.D
 Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136716		
223	61.9	31.4	94.3	
227	63.7	31.8	95.3	





#95
Naphthalene
Concen: 50.752 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

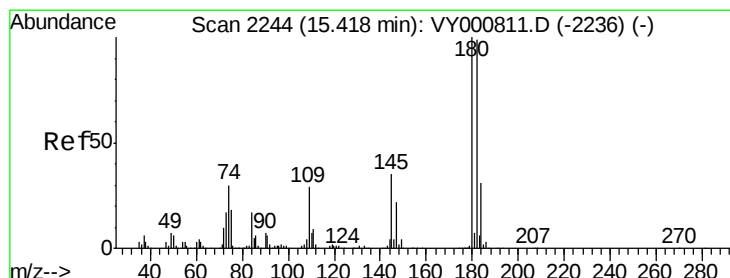
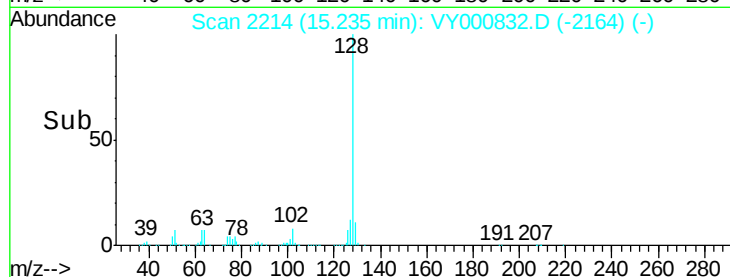
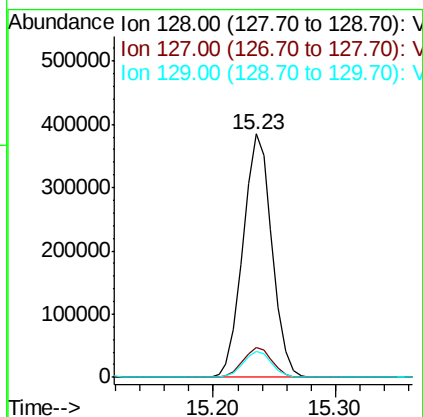
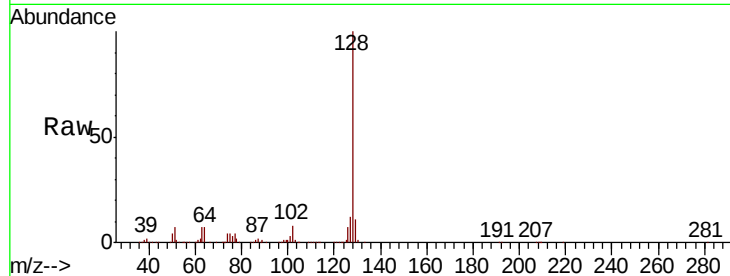
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda

12/4/2019 2:06:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.592 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000832.D
Acq: 03 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.0
145	32.2	16.9	50.6

