

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000376.D
 Acq On : 23 Oct 2019 13:05
 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

MMDadoda
 10/24/2019 4:29:48 PM

Quant Time: Oct 24 04:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	253924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	410585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	368152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	184489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	130395	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.73	113	119042	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.18	98	489978	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.49	95	181684	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	87428	42.979	ug/l	99
3) Chloromethane	2.12	50	204906	66.038	ug/l	98
4) Vinyl Chloride	2.26	62	141756	45.268	ug/l	98
5) Bromomethane	2.65	94	131026	56.458	ug/l	96
6) Chloroethane	2.79	64	94407	46.724	ug/l	98
7) Trichlorofluoromethane	3.13	101	200699	46.854	ug/l	95
8) Diethyl Ether	3.54	74	75010	49.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	124906	48.082	ug/l	99
10) Methyl Iodide	4.10	142	156045	42.358	ug/l	99
11) Tert butyl alcohol	4.96	59	90346	322.311	ug/l #	93
12) 1,1-Dichloroethene	3.87	96	122563	47.791	ug/l	96
13) Acrolein	3.73	56	75960	231.141	ug/l	100
14) Allyl chloride	4.48	41	211239	49.704	ug/l	98
15) Acrylonitrile	5.18	53	202288	238.833	ug/l	98
16) Acetone	3.96	43	233460	269.145	ug/l	96
17) Carbon Disulfide	4.19	76	343577	42.550	ug/l	99
18) Methyl Acetate	4.49	43	100961	46.846	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	360945	50.558	ug/l	99
20) Methylene Chloride	4.72	84	141382	48.177	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	137915	46.873	ug/l	91
22) Diisopropyl ether	6.13	45	476067	52.963	ug/l	95
23) Vinyl Acetate	6.07	43	1439859	245.537	ug/l	100
24) 1,1-Dichloroethane	6.03	63	246025	50.144	ug/l	99
25) 2-Butanone	7.00	43	310922	254.456	ug/l	99
26) 2,2-Dichloropropane	6.99	77	226921	50.192	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	160260	50.336	ug/l	99
28) Bromochloromethane	7.34	49	111719	53.042	ug/l	97
29) Tetrahydrofuran	7.36	42	179488	242.380	ug/l	98
30) Chloroform	7.52	83	249388	50.472	ug/l	99
31) Cyclohexane	7.79	56	238257	46.494	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	223966	50.985	ug/l	94
36) 1,1-Dichloropropene	7.92	75	199431	49.611	ug/l	99
37) Ethyl Acetate	7.08	43	117665	49.434	ug/l	96
38) Carbon Tetrachloride	7.91	117	195161	50.142	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	253701	48.221	ug/l	96
40) Benzene	8.17	78	583346	50.215	ug/l	99
41) Methacrylonitrile	7.33	41	55378m	48.877	ug/l	
42) 1,2-Dichloroethane	8.25	62	168132	50.667	ug/l	99
43) Isopropyl Acetate	8.28	43	230483	50.926	ug/l	100
44) Trichloroethene	8.95	130	162760	49.933	ug/l	99
45) 1,2-Dichloropropane	9.22	63	149619	52.482	ug/l	96
46) Dibromomethane	9.31	93	80566	50.554	ug/l	97
47) Bromodichloromethane	9.50	83	196166	52.230	ug/l	96
48) Methyl methacrylate	9.30	41	100355	50.596	ug/l	99
49) 1,4-Dioxane	9.30	88	22106	925.120	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	607637	260.306	ug/l	99
52) Toluene	10.25	92	376592	51.059	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	214294	53.239	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	241672	52.869	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	118068	50.954	ug/l	98
56) Ethyl methacrylate	10.51	69	174761	52.913	ug/l	99
57) 1,3-Dichloropropane	10.80	76	210228	52.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	403138	306.016	ug/l	99
59) 2-Hexanone	10.83	43	465023	283.812	ug/l	98
60) Dibromochloromethane	10.99	129	135240	52.658	ug/l	99
61) 1,2-Dibromoethane	11.09	107	114885	51.637	ug/l	99
64) Tetrachloroethene	10.72	164	165924	47.341	ug/l	97
65) Chlorobenzene	11.52	112	401454	51.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	142372	52.164	ug/l	100
67) Ethyl Benzene	11.60	91	749609	52.045	ug/l	99
68) m/p-Xylenes	11.70	106	572165	103.915	ug/l	100
69) o-Xylene	12.03	106	269363	51.281	ug/l	99
70) Styrene	12.05	104	466300	52.639	ug/l	99
71) Bromoform	12.21	173	81397	51.879	ug/l #	97
73) Isopropylbenzene	12.33	105	736776	51.217	ug/l	100
74) N-amyl acetate	12.14	43	215589	61.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	135888	50.312	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	110586m	48.747	ug/l	
77) Bromobenzene	12.61	156	161032	50.306	ug/l	99
78) n-propylbenzene	12.67	91	889651	51.509	ug/l	100
79) 2-Chlorotoluene	12.76	91	496782	52.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	618336	51.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	56188	54.191	ug/l	95
82) 4-Chlorotoluene	12.86	91	519843	51.558	ug/l	100
83) tert-Butylbenzene	13.08	119	527604	51.650	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	622767	52.311	ug/l	100
85) sec-Butylbenzene	13.25	105	760763	51.482	ug/l	100
86) p-Isopropyltoluene	13.37	119	677991	52.627	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	323707	51.326	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	321654	51.024	ug/l	100
89) n-Butylbenzene	13.70	91	673258	52.883	ug/l	99
90) Hexachloroethane	13.96	117	125753	52.714	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	297741	52.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24535	47.897	ug/l	96

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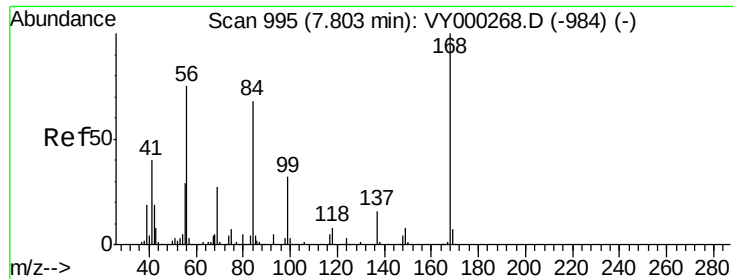
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	199467	50.194	ug/l	97
94) Hexachlorobutadiene	15.11	225	105999	49.289	ug/l	99
95) Naphthalene	15.23	128	451305	50.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	181559	50.694	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 253924

Ion Ratio Lower Upper

168 100

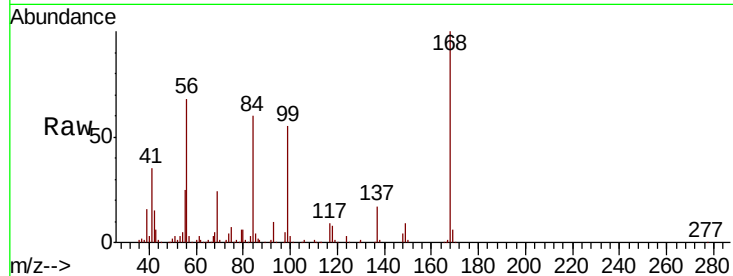
99 55.5 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

120000

100000

80000

60000

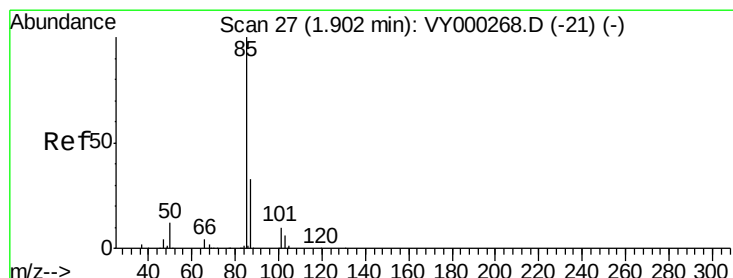
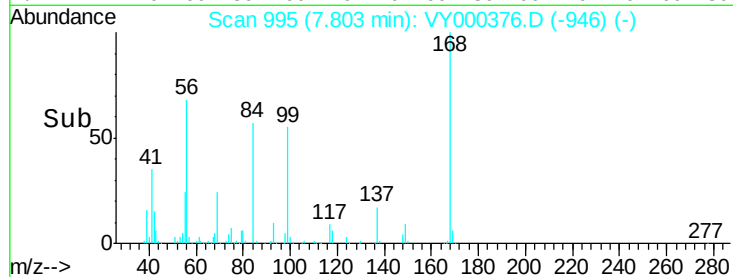
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 42.979 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000376.D

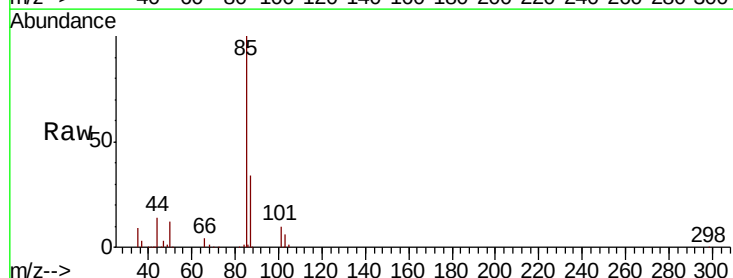
Acq: 23 Oct 2019 13:05

Tgt Ion: 85 Resp: 87428

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

60000

50000

40000

30000

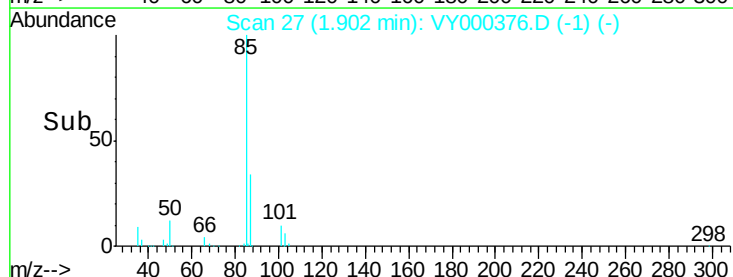
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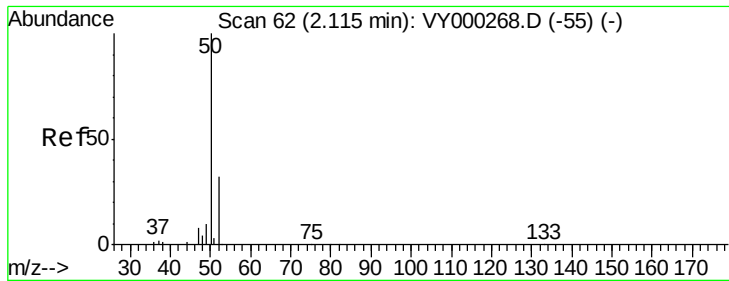
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 66.038 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 204906

Ion Ratio Lower Upper

50 100

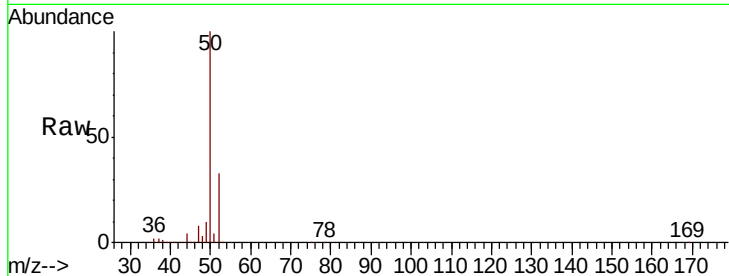
52 32.5 25.3 37.9

Manual Integrations

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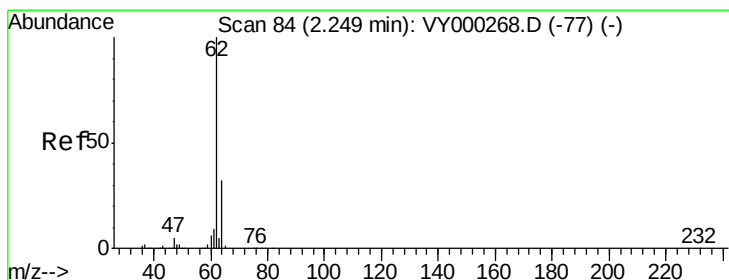
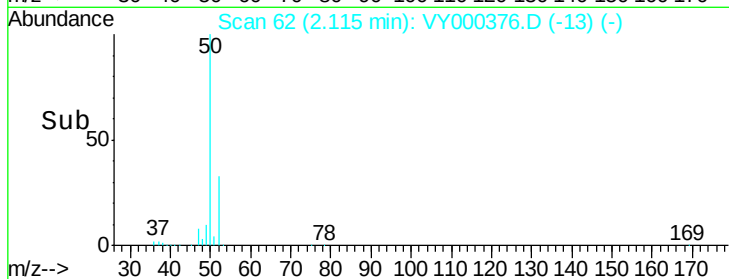
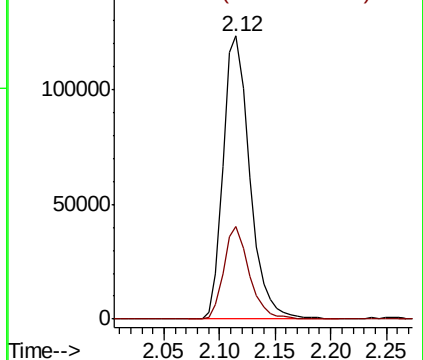
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 45.268 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000376.D

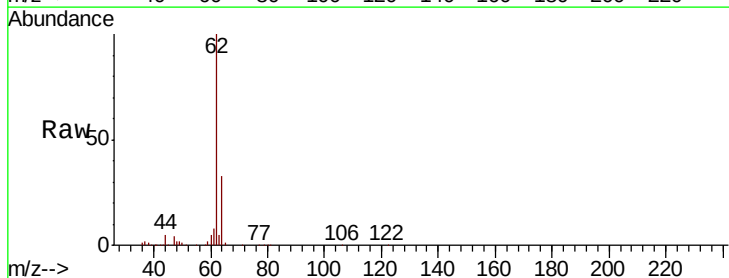
Acq: 23 Oct 2019 13:05

Tgt Ion: 62 Resp: 141756

Ion Ratio Lower Upper

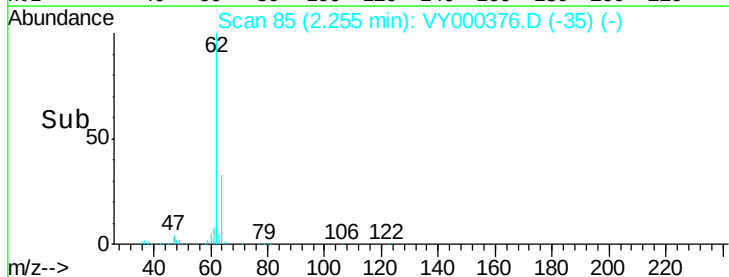
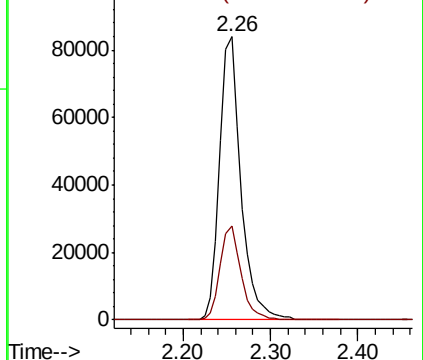
62 100

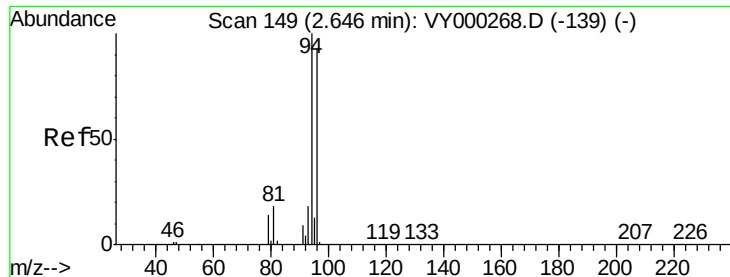
64 33.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 56.458 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 131026

Ion Ratio Lower Upper

94 100

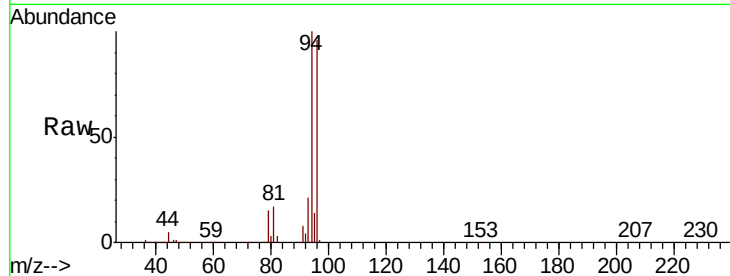
96 96.3 74.2 111.2

Manual Integrations

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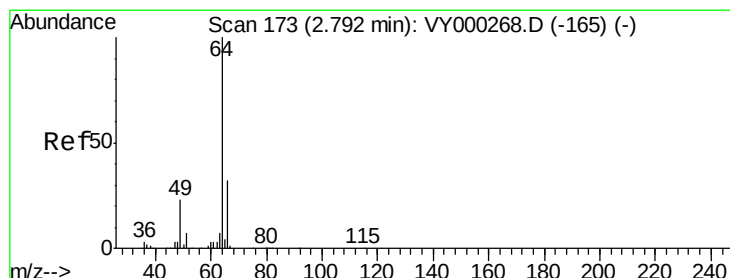
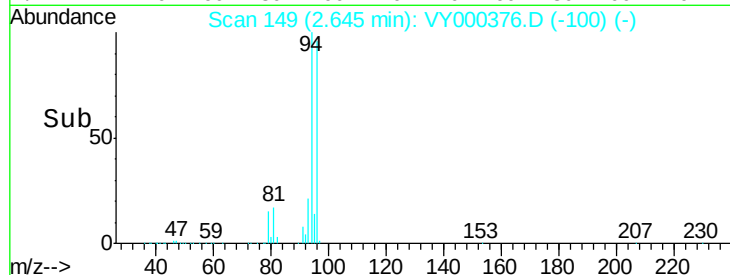
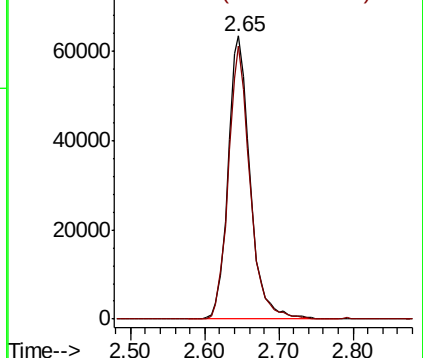
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 46.724 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000376.D

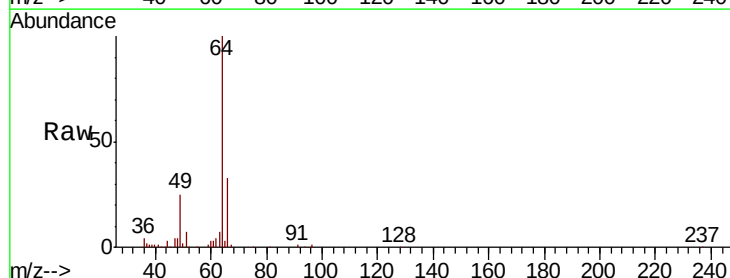
Acq: 23 Oct 2019 13:05

Tgt Ion: 64 Resp: 94407

Ion Ratio Lower Upper

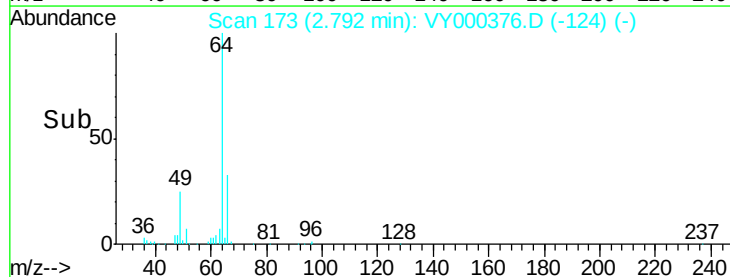
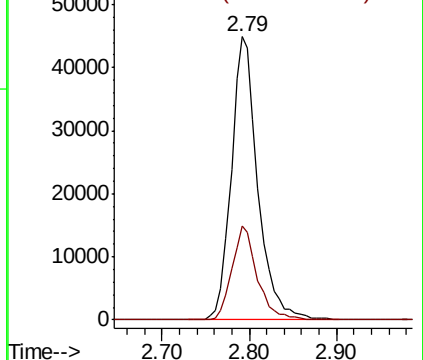
64 100

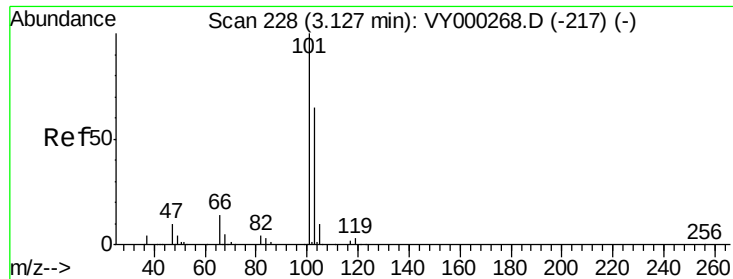
66 33.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

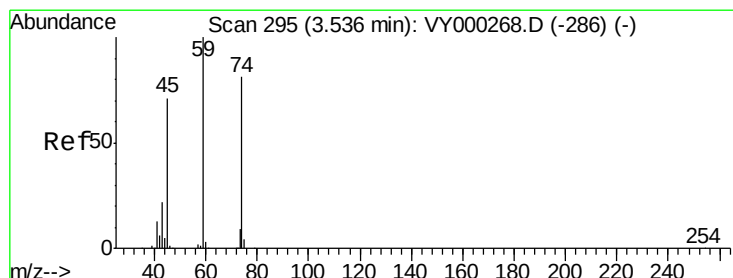
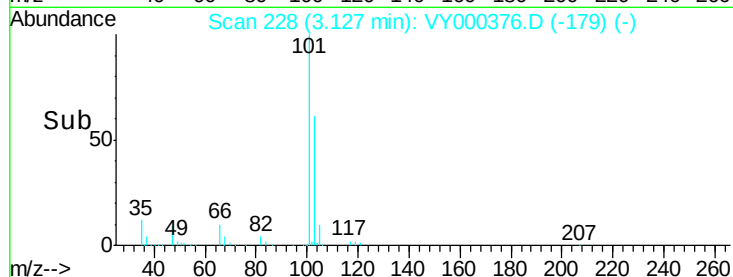
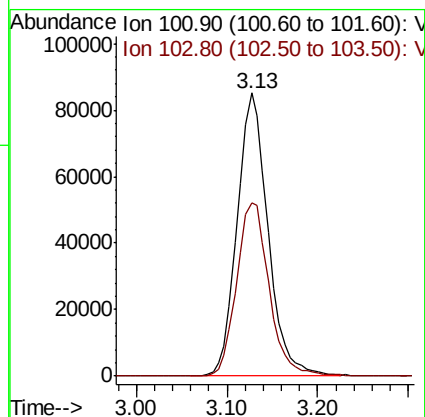
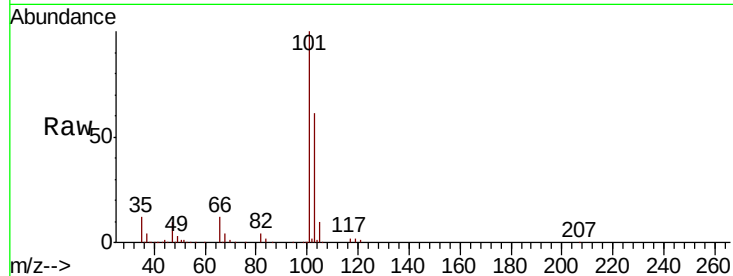
Trichlorofluoromethane
 Concen: 46.854 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	52.2	78.4

Manual Integrations
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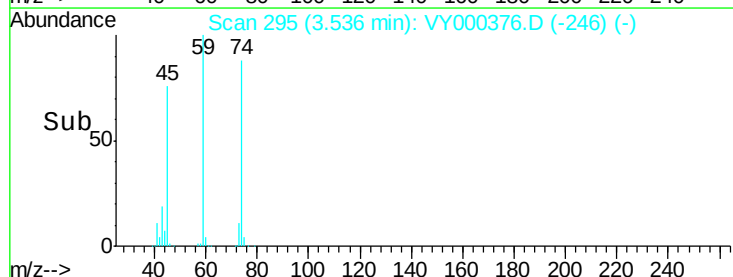
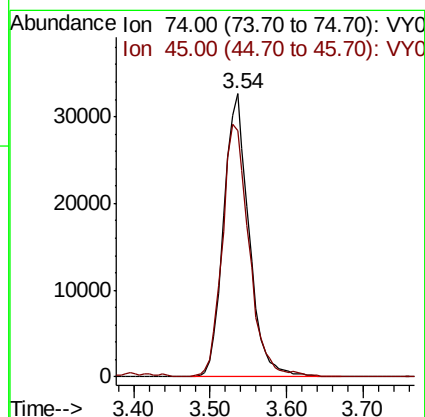
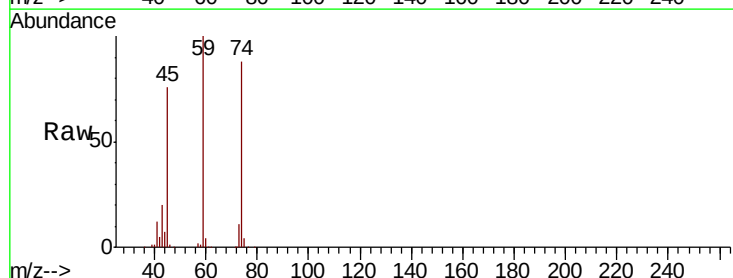
MMDadoda
 10/24/2019 4:29:48 PM

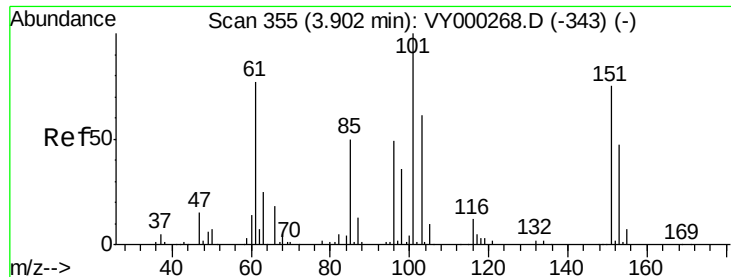


#8

Diethyl Ether
 Concen: 49.569 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.082 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

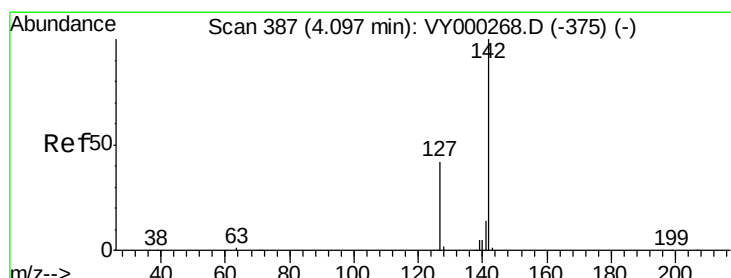
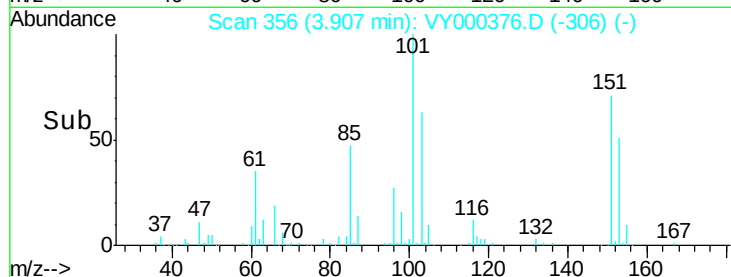
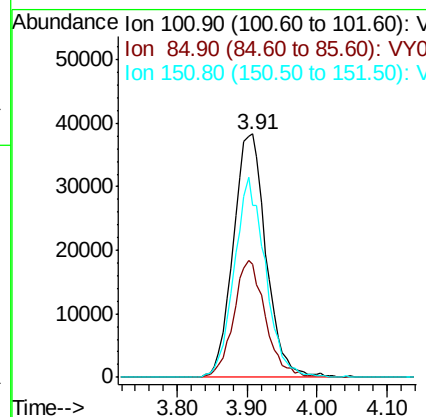
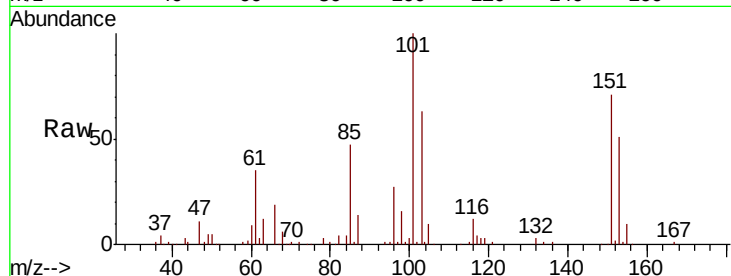
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	124906
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.6	55.0
151	77.8	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 42.358 ug/l

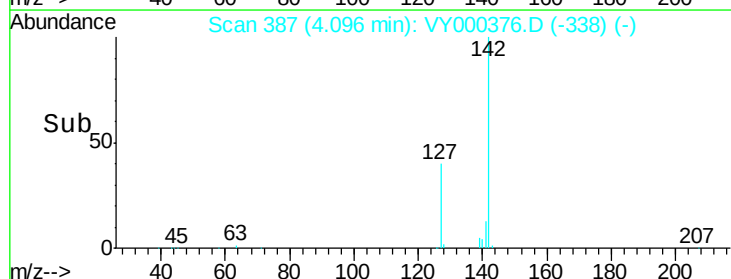
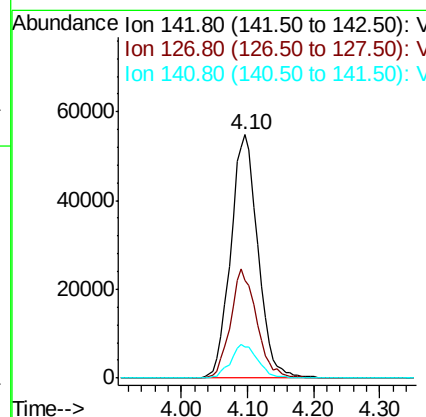
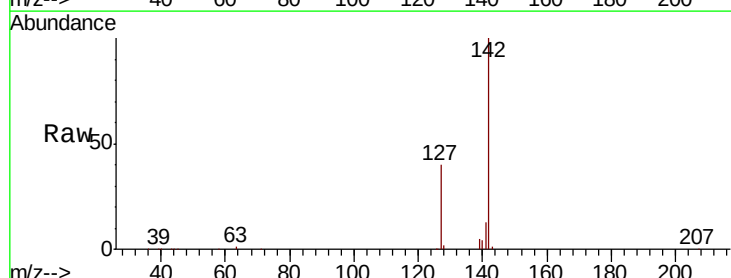
RT: 4.10 min Scan# 387

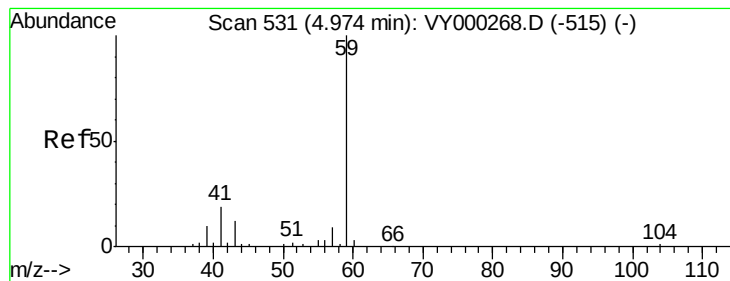
Delta R.T. 0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion:	142	Resp:	156045
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.9	50.9
141	13.8	11.2	16.8





#11

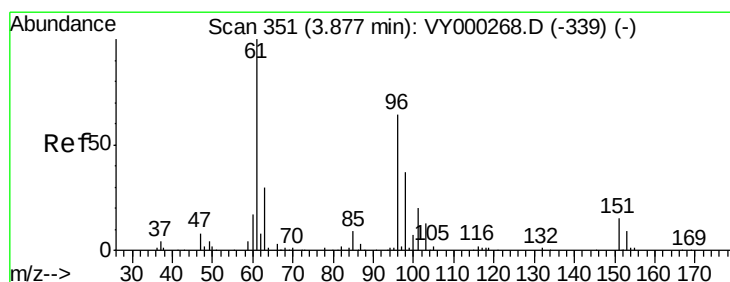
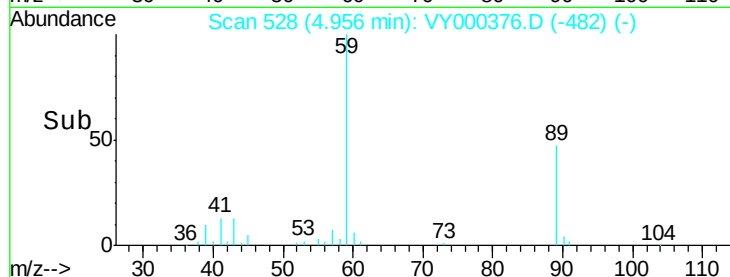
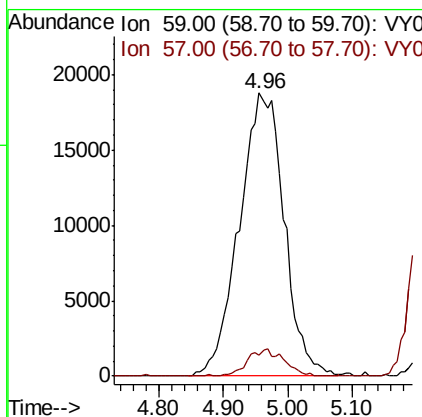
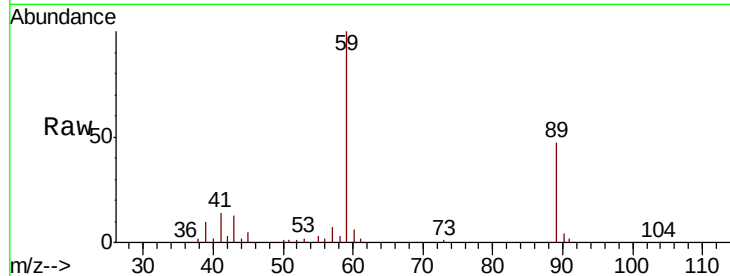
Tert butyl alcohol
 Concen: 322.311 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 90346
 Ion Ratio Lower Upper
 59 100
 57 7.7 8.2 12.2#

Manual Integrations
 APPROVED

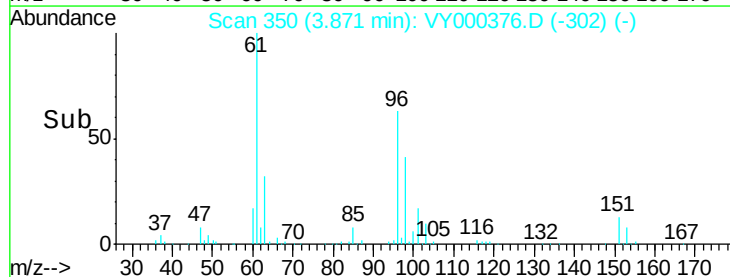
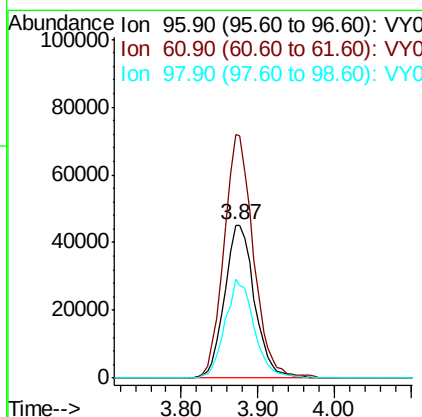
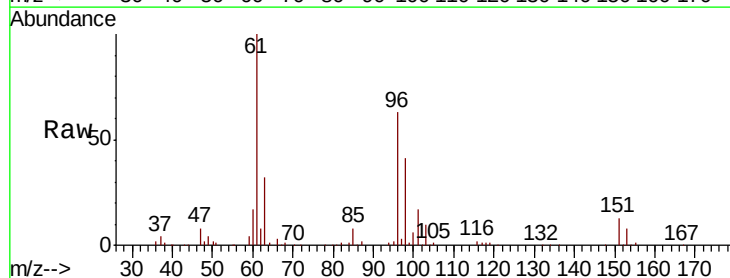
MMDadoda
 10/24/2019 4:29:48 PM

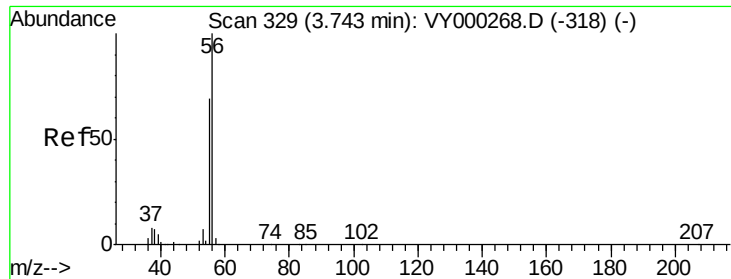


#12

1,1-Dichloroethene
 Concen: 47.791 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion: 96 Resp: 122563
 Ion Ratio Lower Upper
 96 100
 61 159.0 125.8 188.6
 98 64.8 46.2 69.2





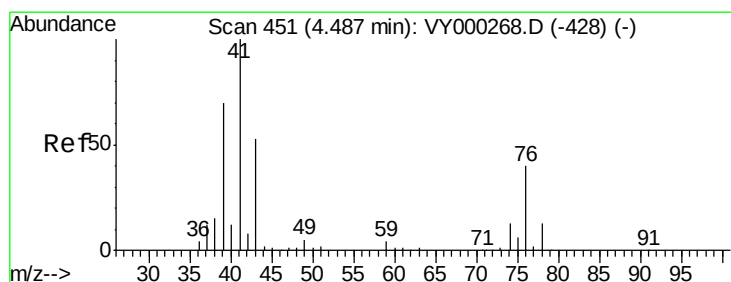
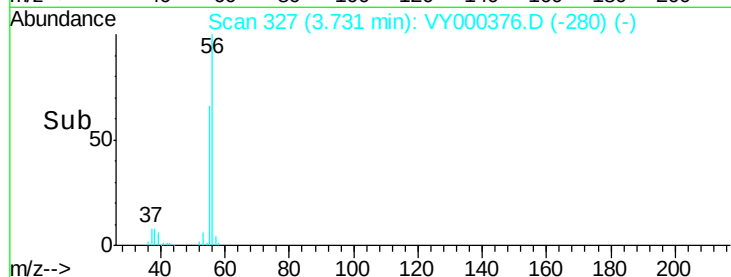
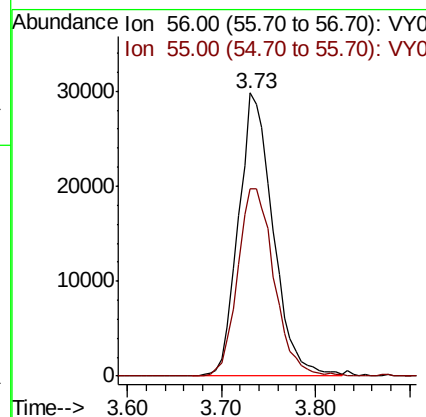
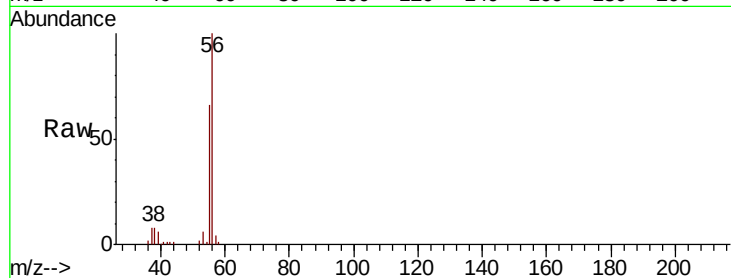
#13
Acrolein
Concen: 231.141 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	75960
Ion Ratio	100	Lower	Upper
55	70.0	55.7	83.5

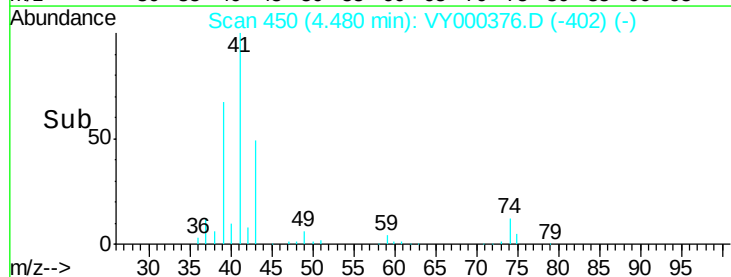
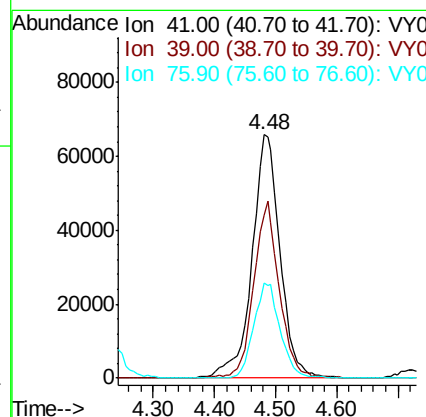
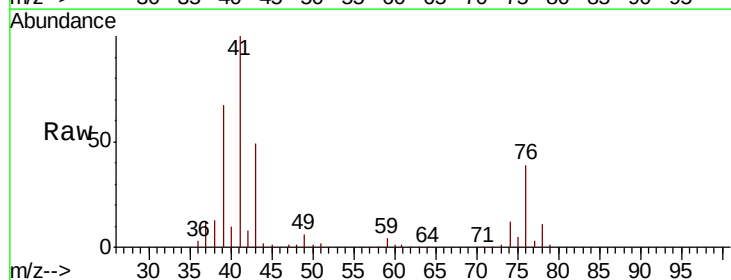
Manual Integrations
APPROVED

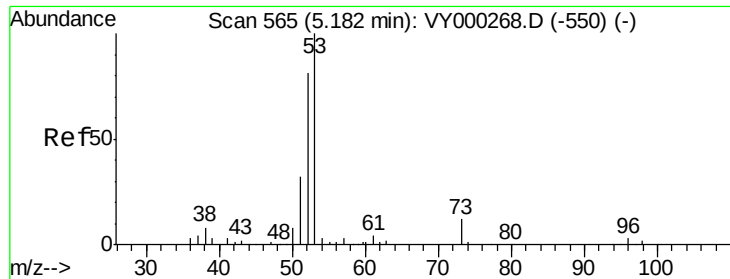
MMDadoda
10/24/2019 4:29:48 PM



#14
Allyl chloride
Concen: 49.704 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	41	Resp	211239
Ion Ratio	100	Lower	Upper
39	66.0	54.0	81.0
76	36.9	30.7	46.1





#15

Acrylonitrile

Concen: 238.833 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

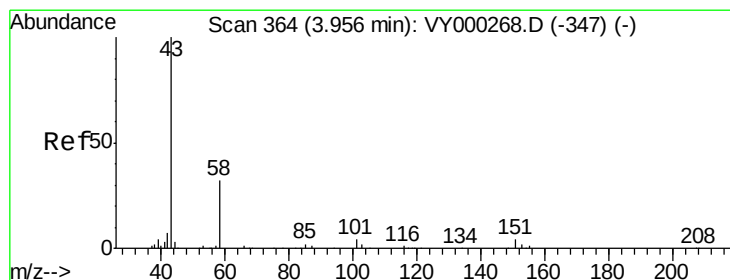
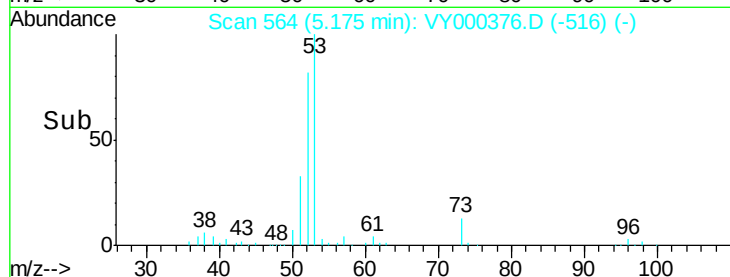
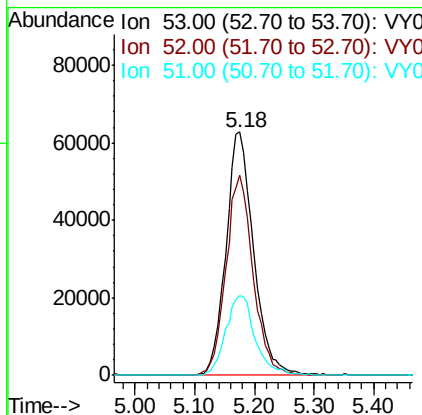
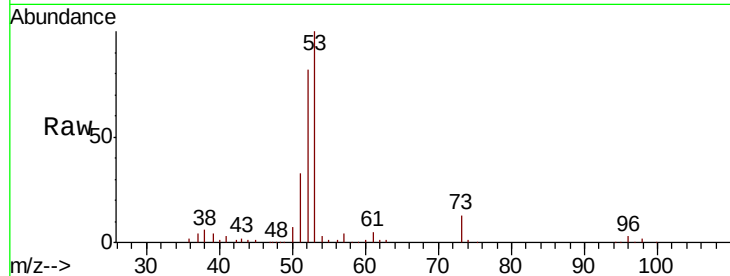
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	202288
Ion Ratio		Lower	Upper
53	100		
52	80.4	62.9	94.3
51	35.0	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 269.145 ug/l

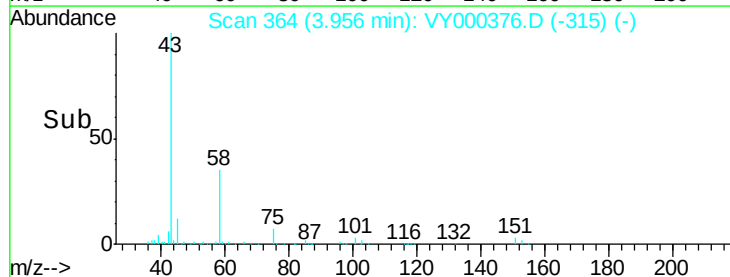
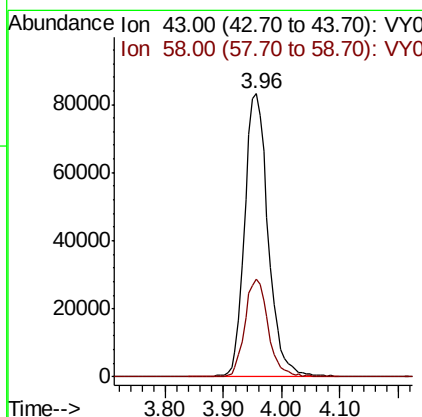
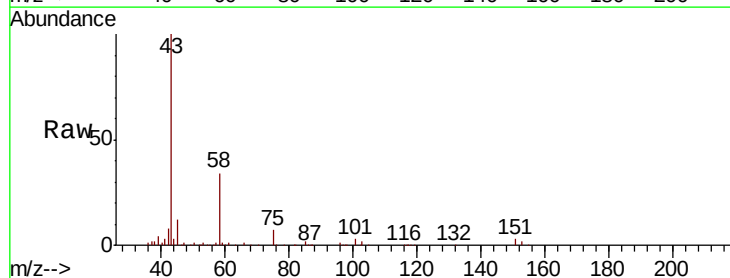
RT: 3.96 min Scan# 364

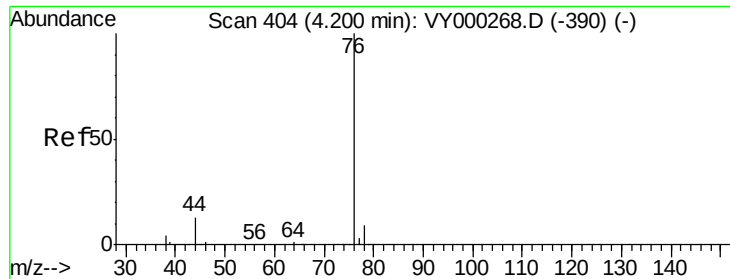
Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion:	43	Resp:	233460
Ion Ratio		Lower	Upper
43	100		
58	34.4	25.8	38.6





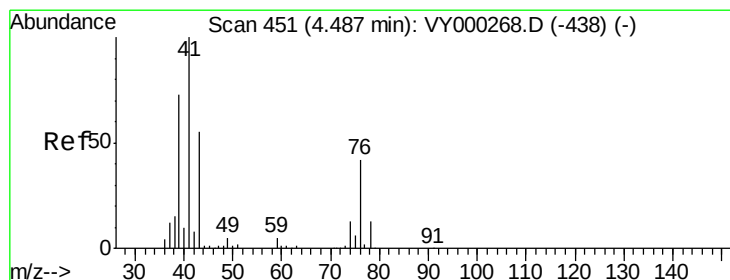
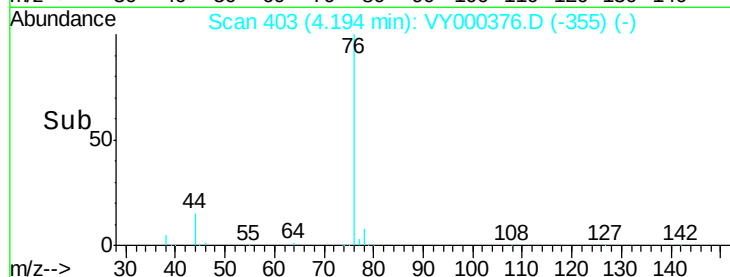
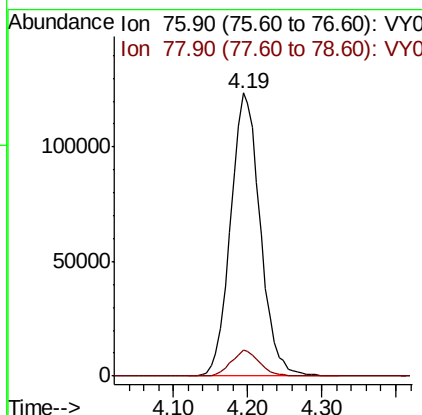
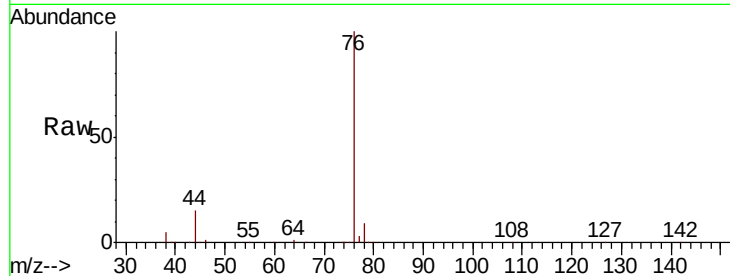
#17
Carbon Disulfide
Concen: 42.550 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

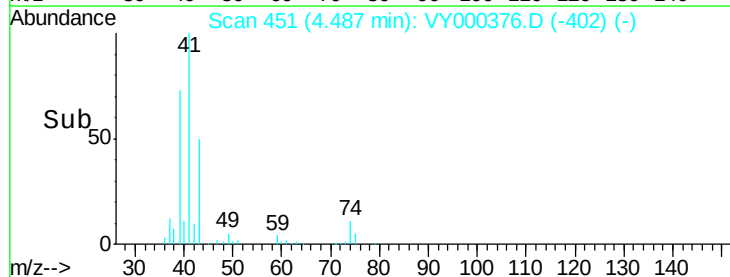
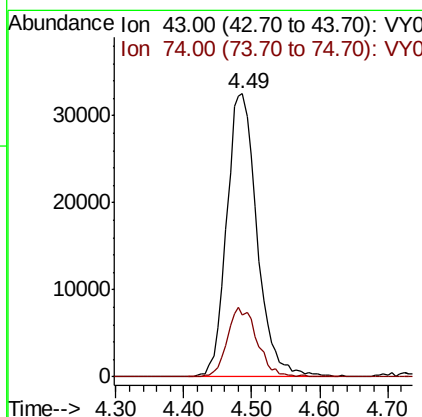
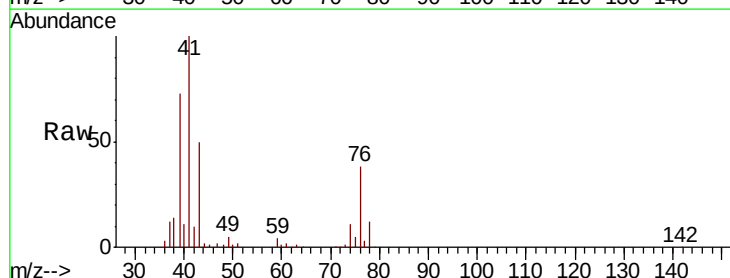
Manual Integrations
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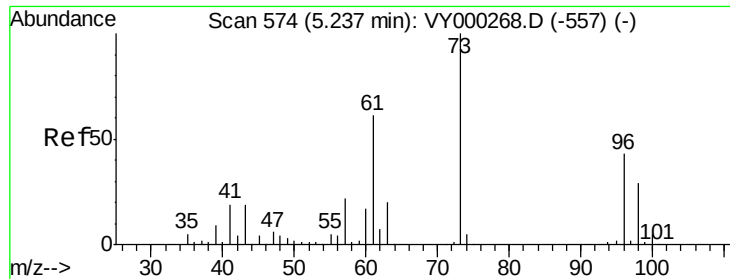
MMDadoda
10/24/2019 4:29:48 PM



#18
Methyl Acetate
Concen: 46.846 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	20.4	30.6





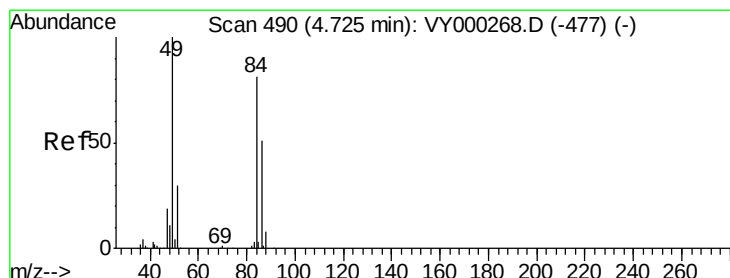
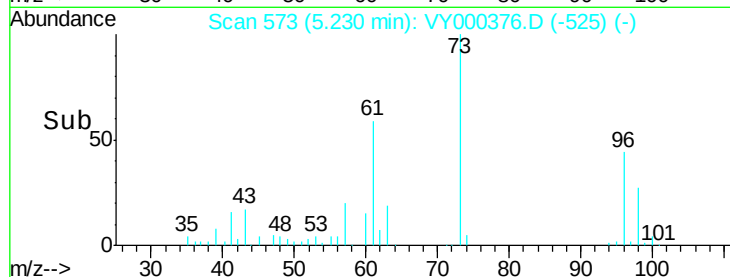
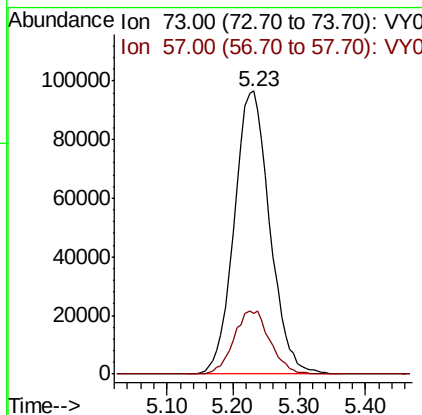
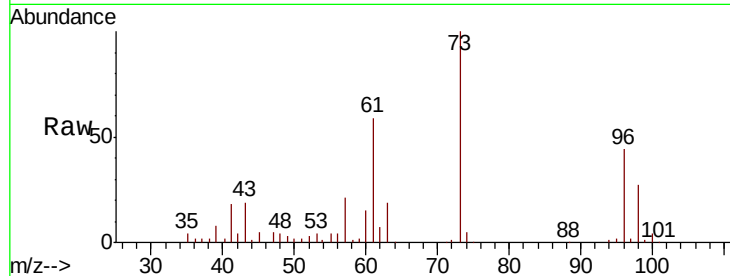
#19
Methyl tert-butyl Ether
Concen: 50.558 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 360945
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.0

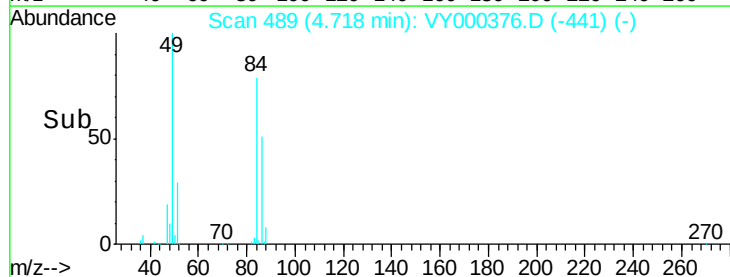
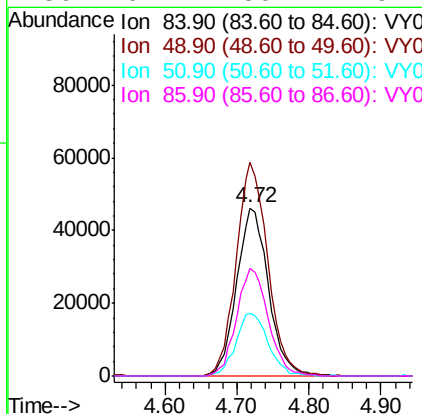
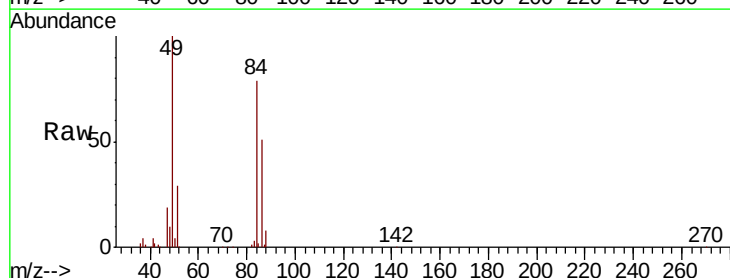
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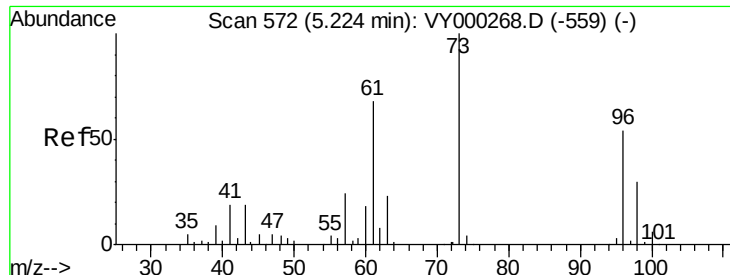
MMDadoda
10/24/2019 4:29:48 PM



#20
Methylene Chloride
Concen: 48.177 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion: 84 Resp: 141382
Ion Ratio Lower Upper
84 100
49 127.3 99.0 148.4
51 37.2 29.3 43.9
86 64.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 46.873 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 137915

Ion Ratio Lower Upper

96 100

61 135.9 100.4 150.6

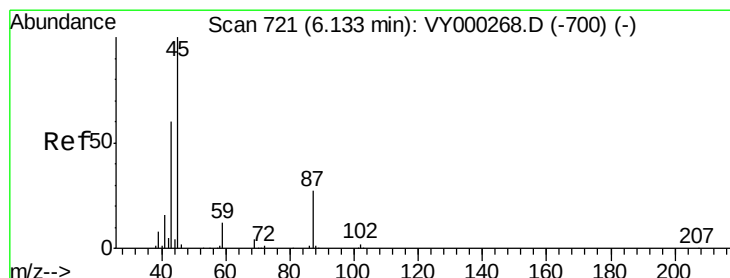
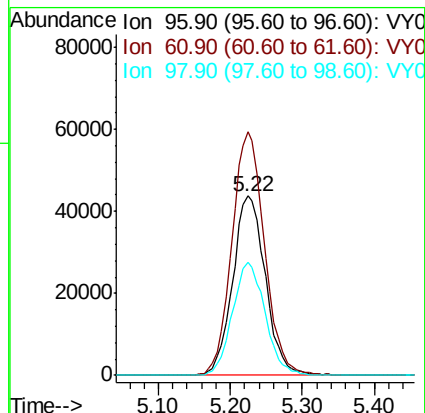
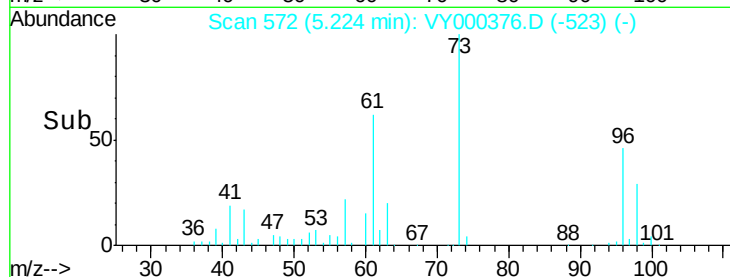
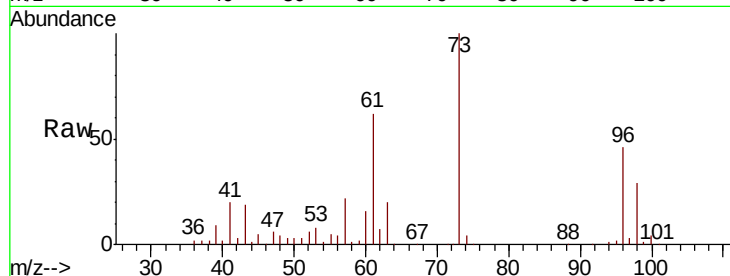
98 63.1 44.6 66.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.963 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion: 45 Resp: 476067

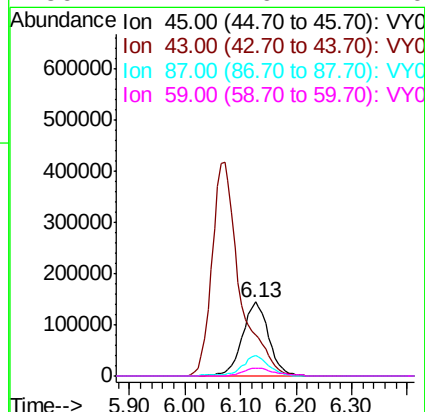
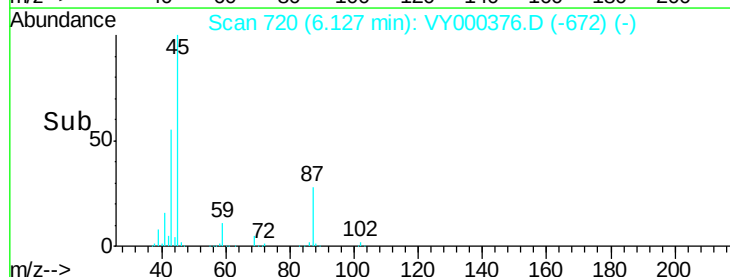
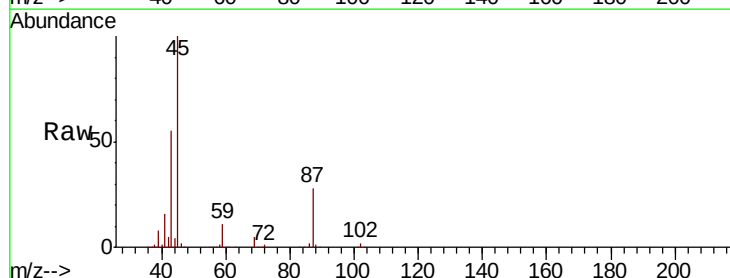
Ion Ratio Lower Upper

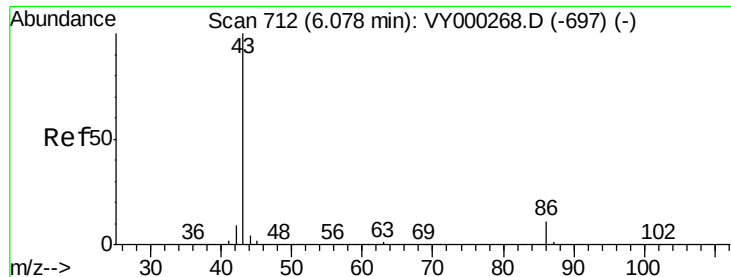
45 100

43 55.3 48.5 72.7

87 28.1 21.5 32.3

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 245.537 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1439859

Ion Ratio Lower Upper

43 100

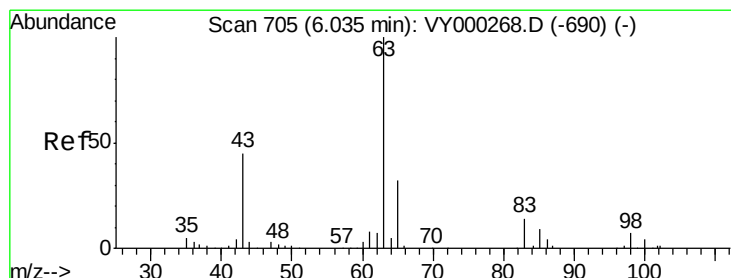
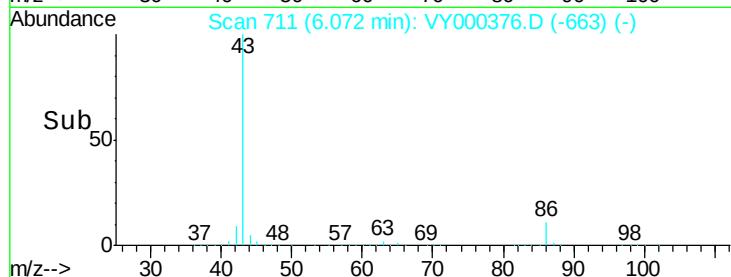
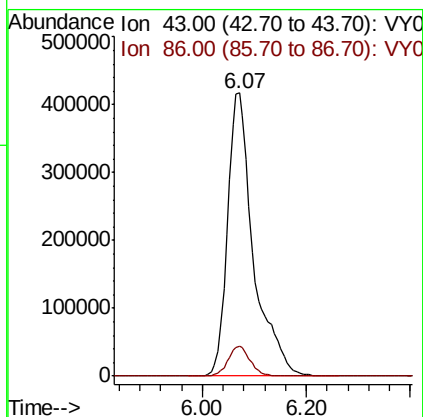
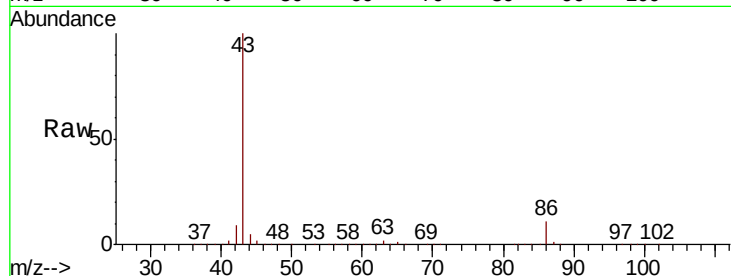
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.144 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

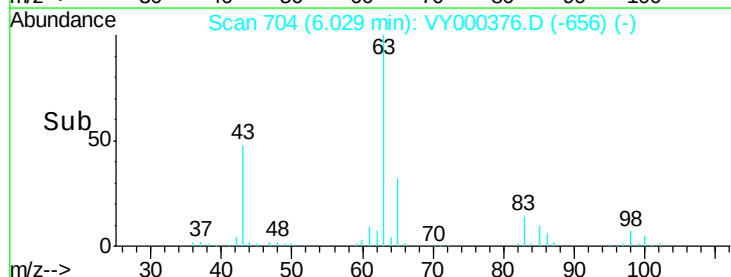
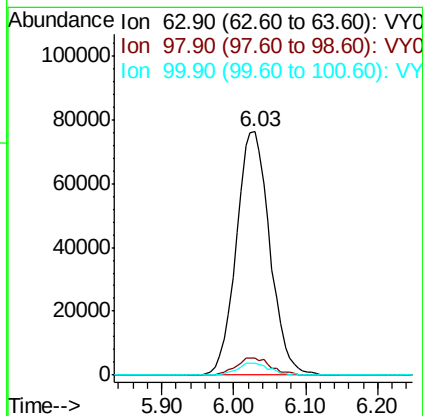
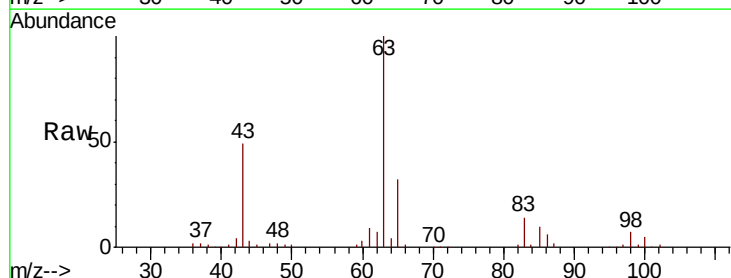
Tgt Ion: 63 Resp: 246025

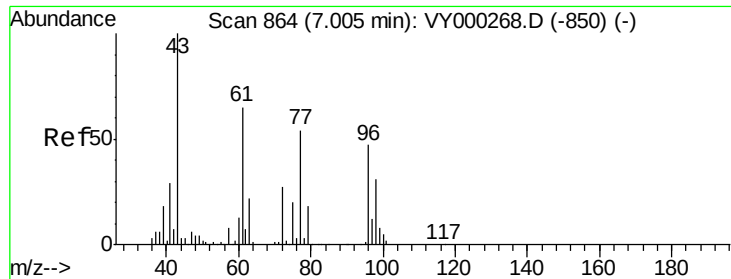
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 5.0 2.1 6.2





#25

2-Butanone

Concen: 254.456 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 310922

Ion Ratio Lower Upper

43 100

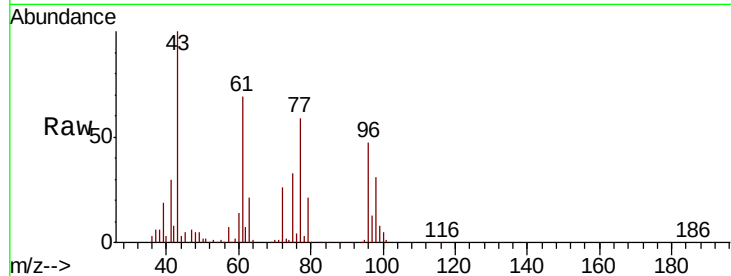
72 26.3 21.4 32.2

Manual Integrations

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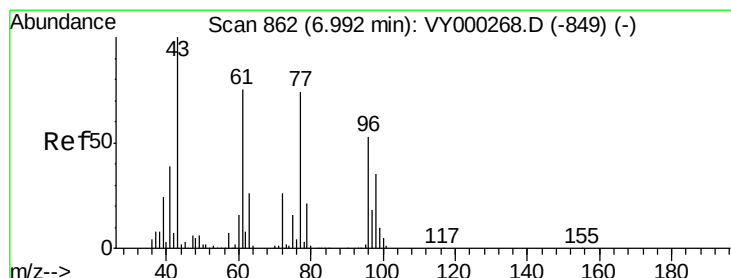
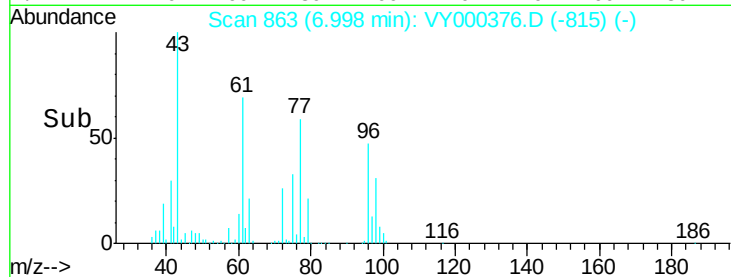
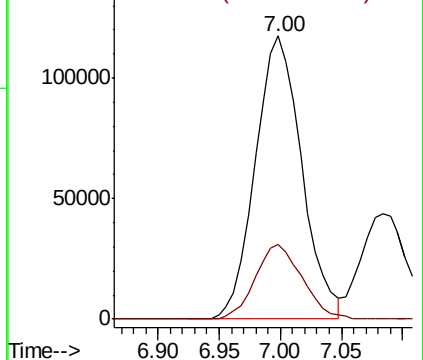
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 50.192 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000376.D

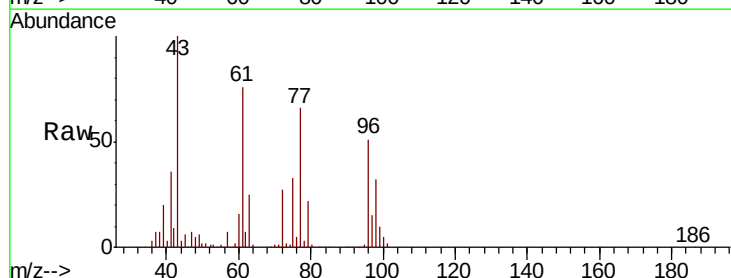
Acq: 23 Oct 2019 13:05

Tgt Ion: 77 Resp: 226921

Ion Ratio Lower Upper

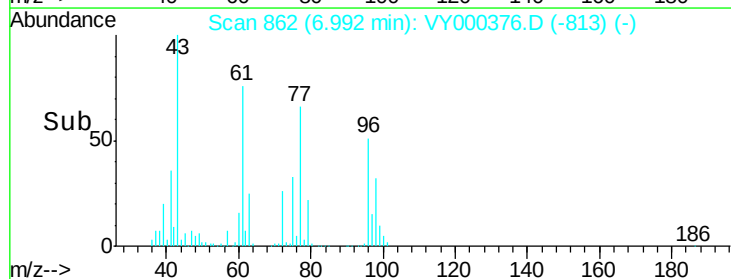
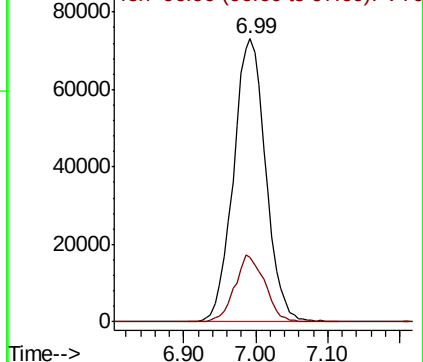
77 100

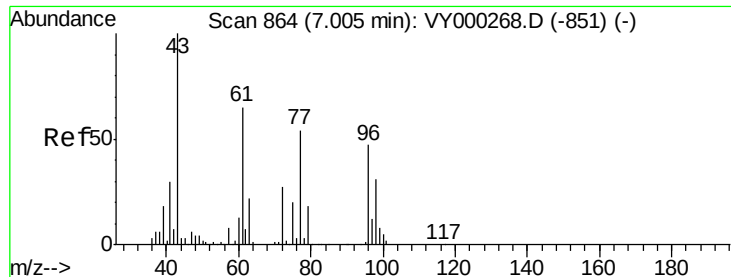
97 22.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

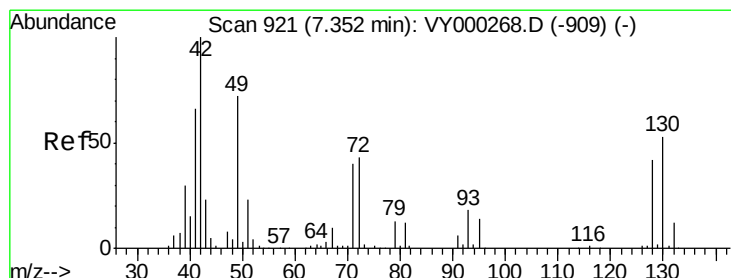
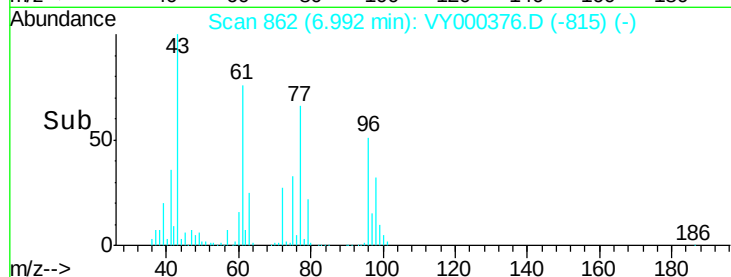
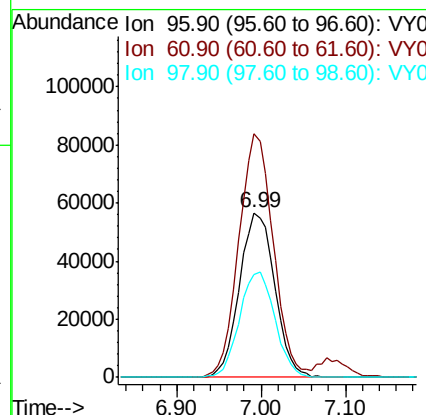
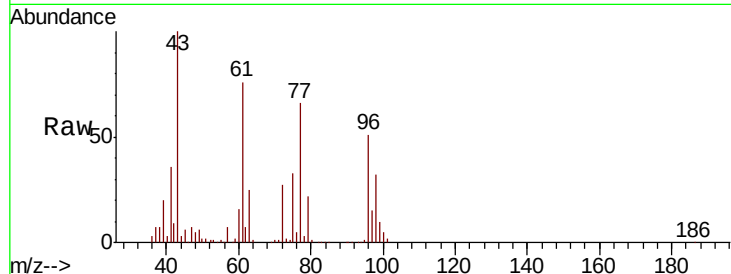
cis-1,2-Dichloroethene
Concen: 50.336 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160260		
61	145.0	0.0	289.8	
98	64.5	0.0	131.8	

Manual Integrations
APPROVED

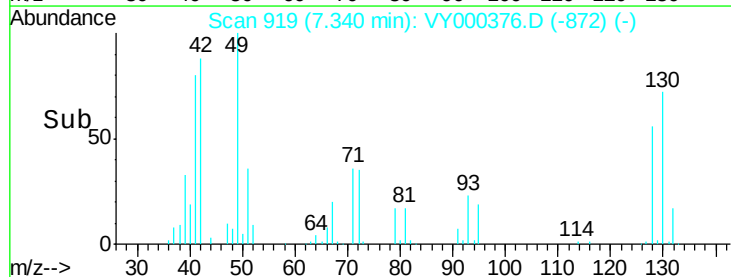
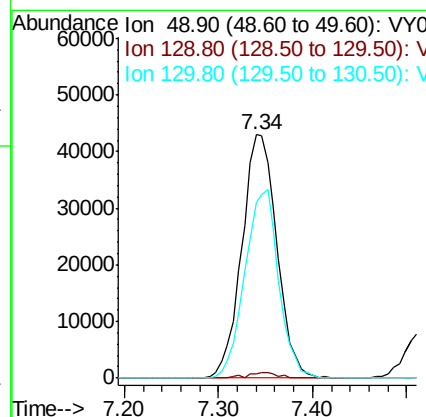
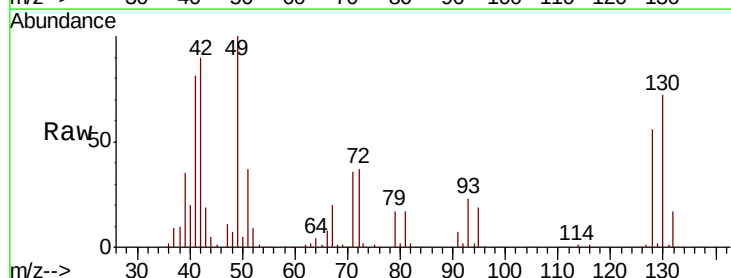
MMDadoda
10/24/2019 4:29:48 PM

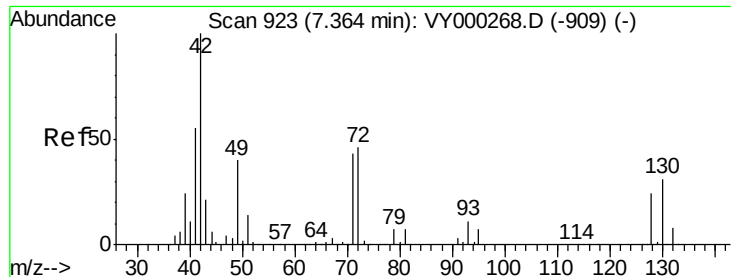


#28

Bromochloromethane
Concen: 53.042 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111719		
129	1.7	0.0	4.0	
130	74.9	58.2	87.2	





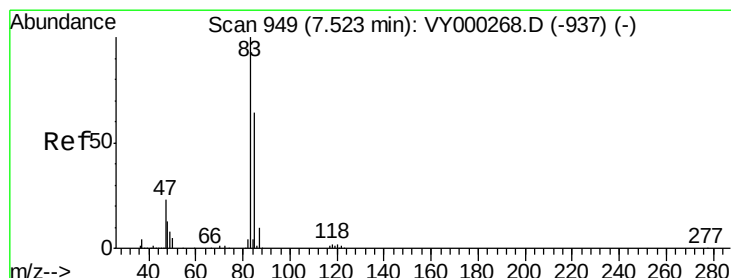
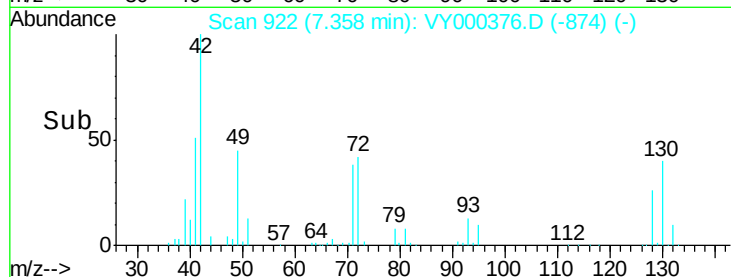
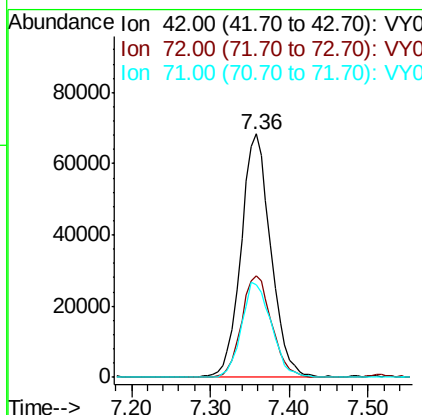
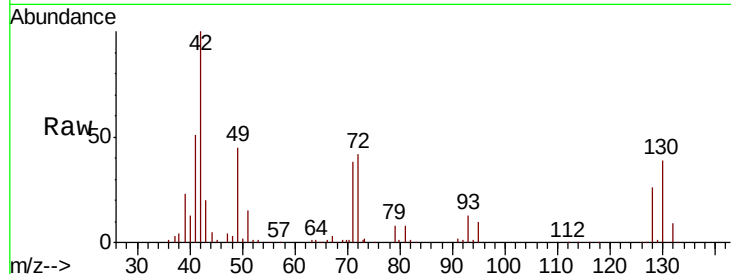
#29
Tetrahydrofuran
Concen: 242.380 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.5	51.7
71	38.9	32.7	49.1

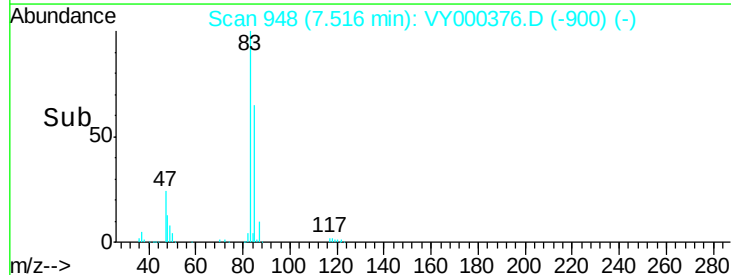
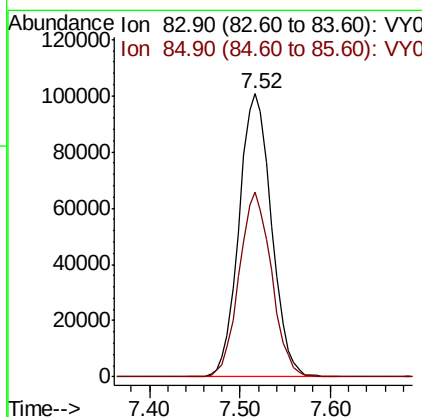
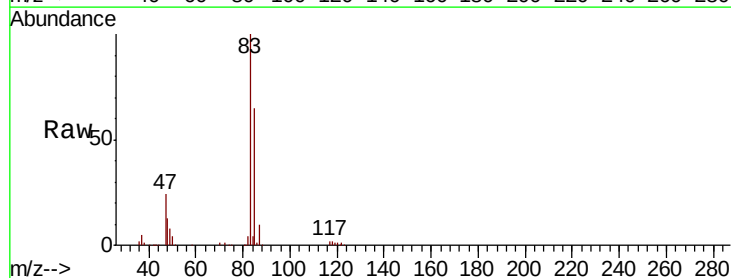
Manual Integrations
APPROVED

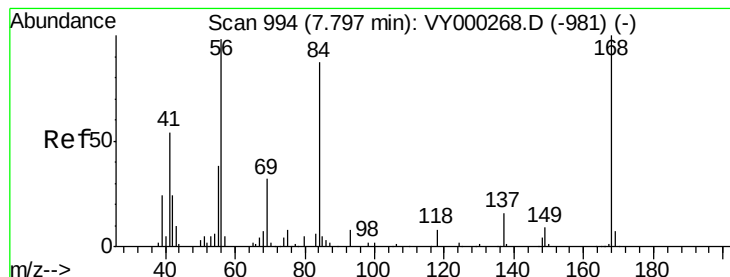
MMDadoda
10/24/2019 4:29:48 PM



#30
Chloroform
Concen: 50.472 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31

Cyclohexane

Concen: 46.494 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 238257

Ion Ratio Lower Upper

56 100

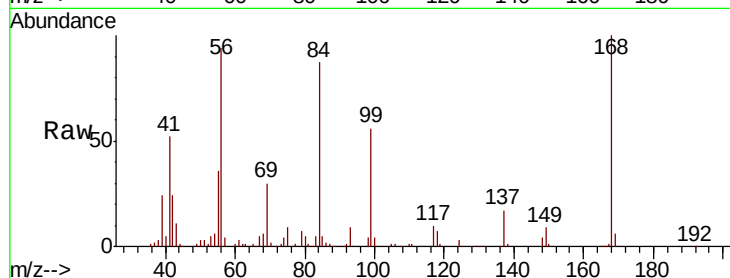
69 32.5 26.3 39.5

84 90.7 70.8 106.2

Manual Integrations
APPROVED

MMDadoda

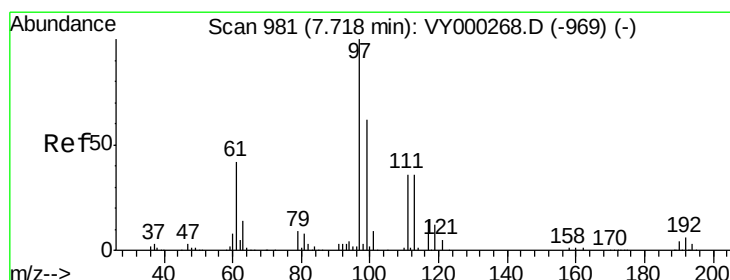
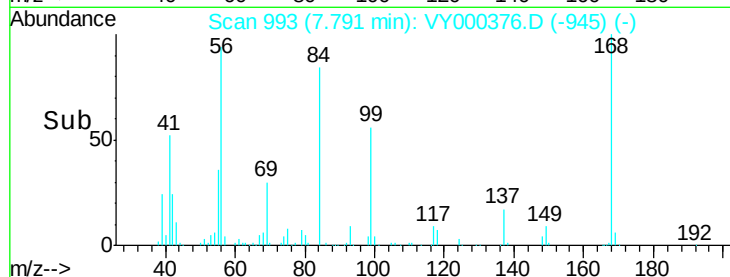
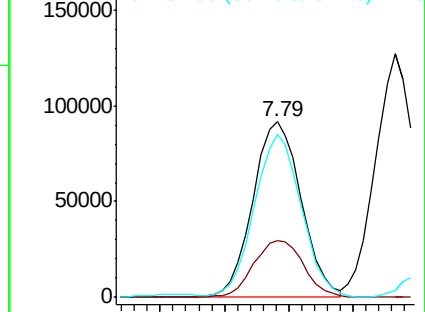
10/24/2019 4:29:48 PM



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: 50.985 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

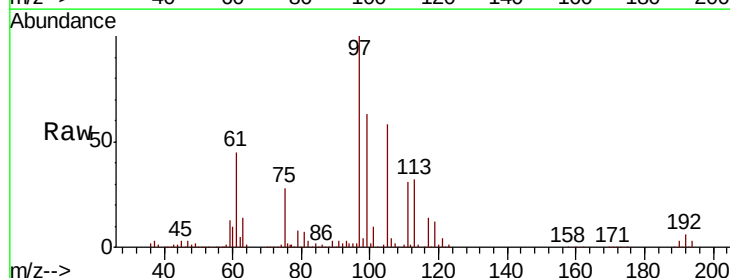
Tgt Ion: 97 Resp: 223966

Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

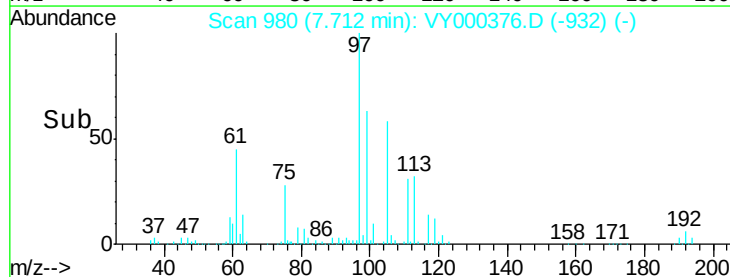
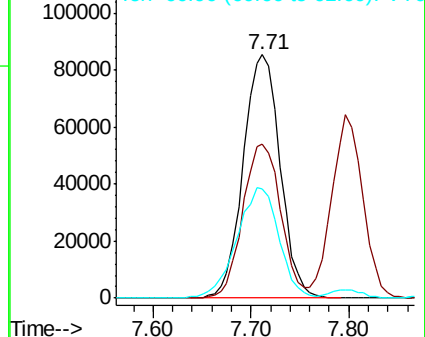
61 51.4 34.5 51.7

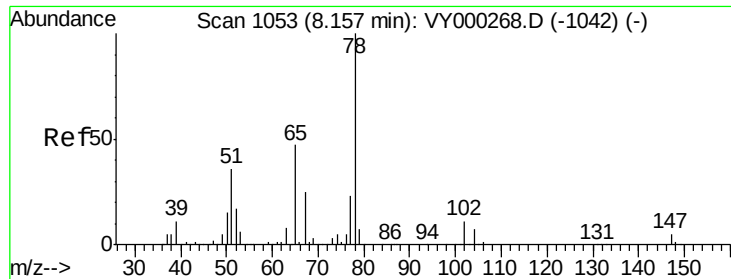


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





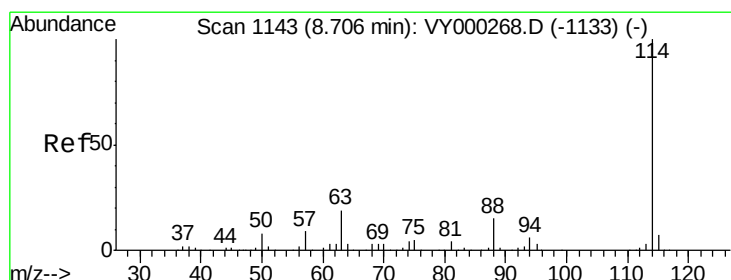
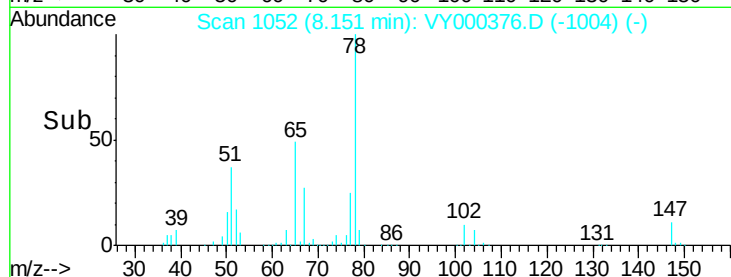
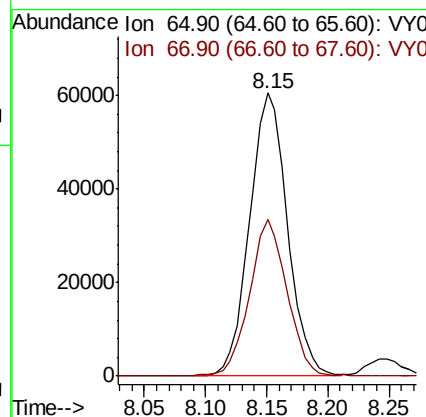
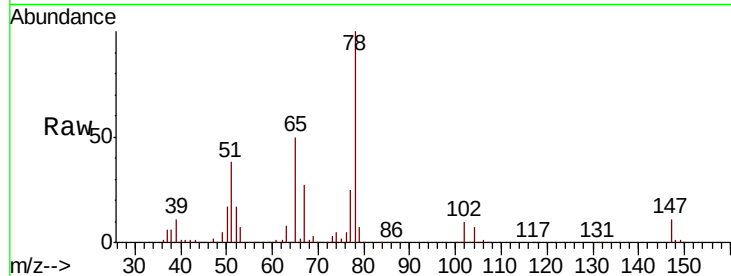
#33
 1,2-Dichloroethane-d4
 Concen: 48.682 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.4	

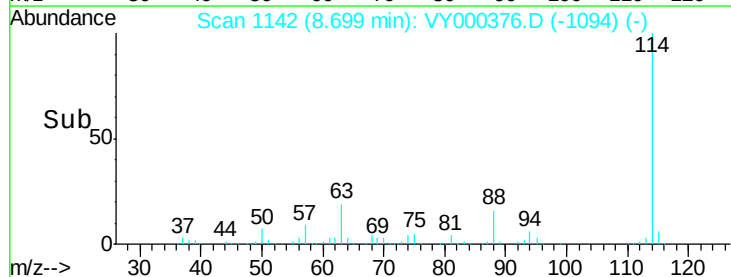
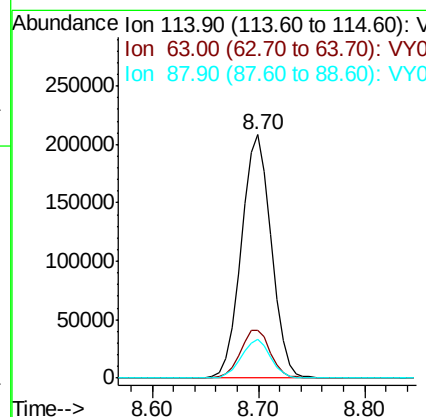
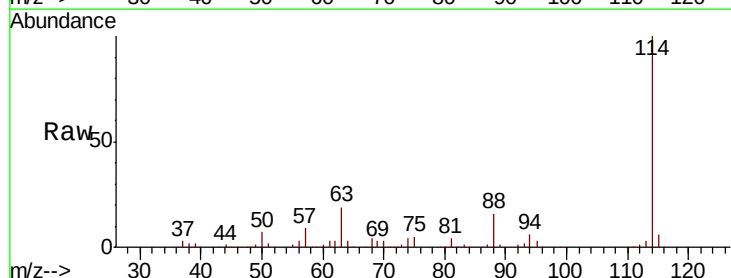
Manual Integrations
 APPROVED

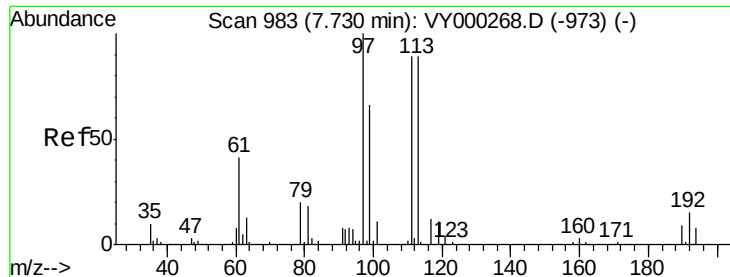
MMDadoda
 10/24/2019 4:29:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	37.2	
88	15.8	0.0	30.2	





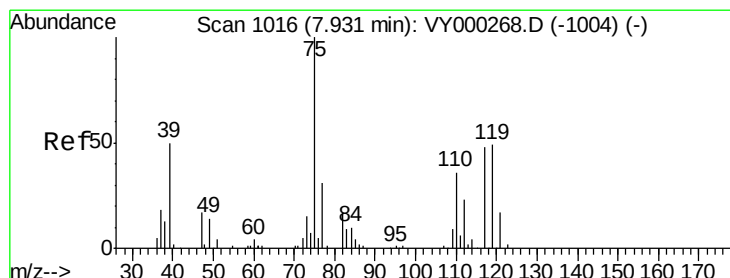
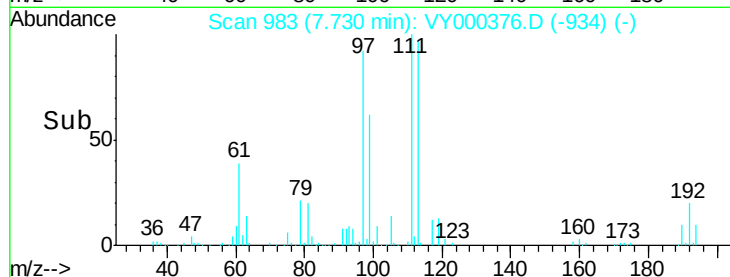
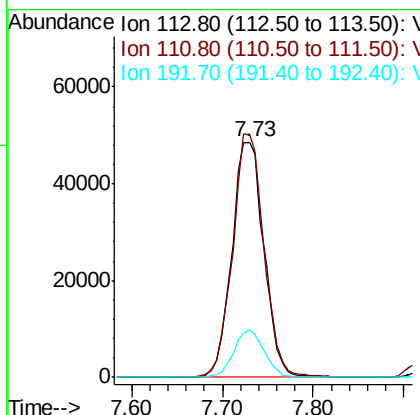
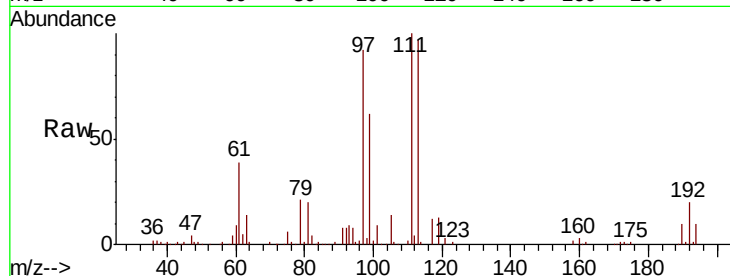
#35
 Dibromofluoromethane
 Concen: 48.065 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.6	122.4
192	19.2	15.3	22.9

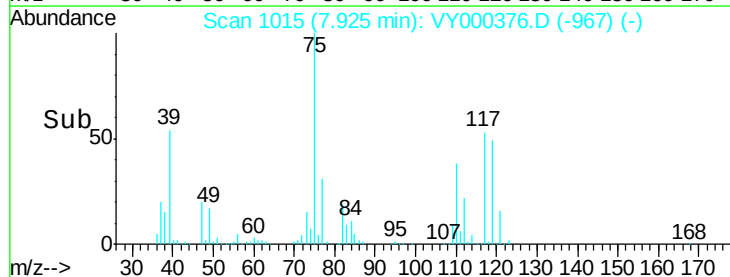
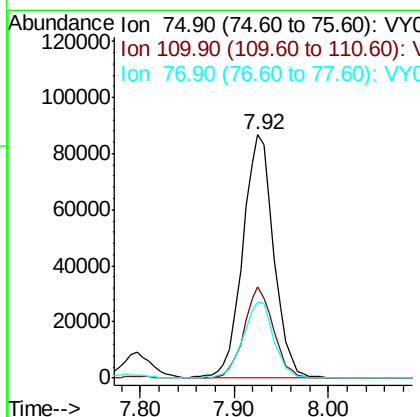
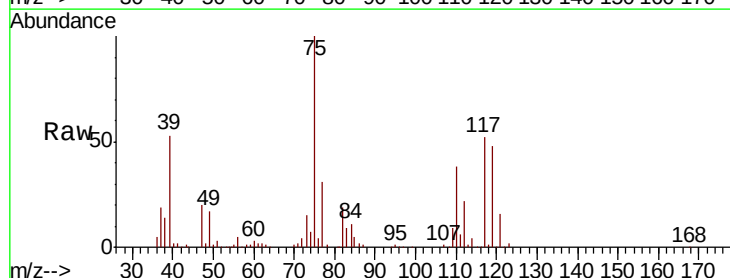
Manual Integrations
 APPROVED

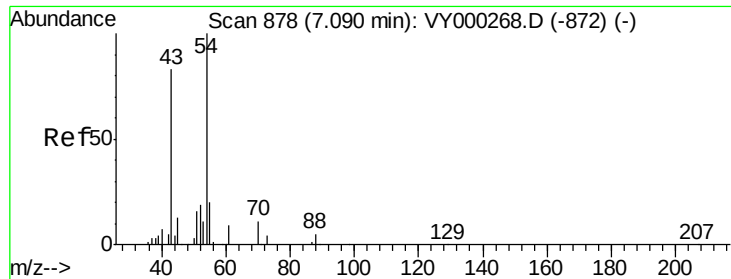
MMDadoda
 10/24/2019 4:29:48 PM



#36
 1,1-Dichloropropene
 Concen: 49.611 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.4	55.4
77	31.2	25.0	37.6





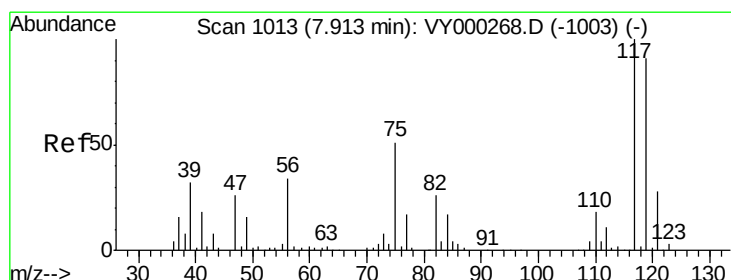
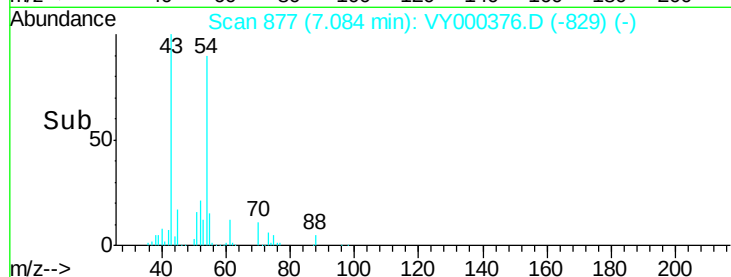
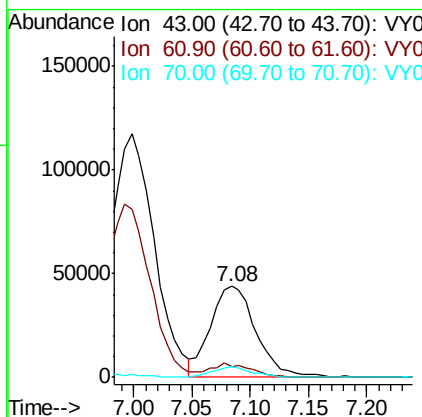
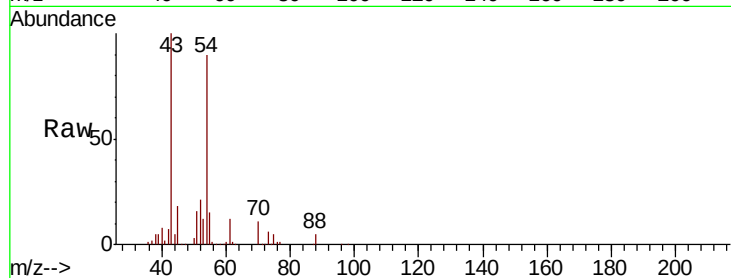
#37
Ethyl Acetate
Concen: 49.434 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	12.1	18.1
70	10.2	8.7	13.1

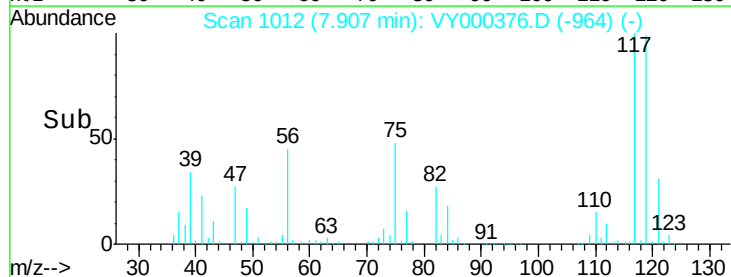
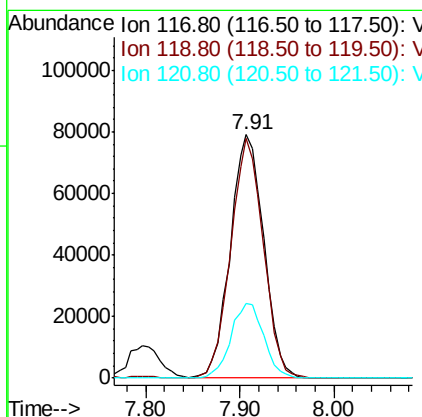
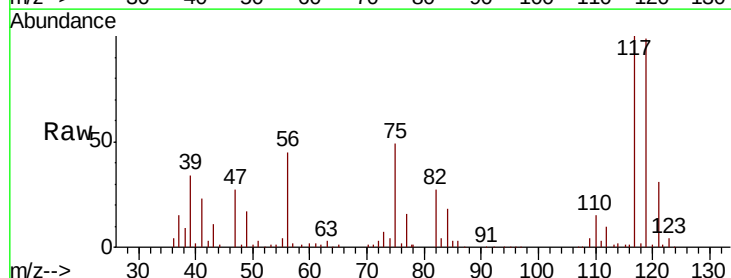
Manual Integrations
APPROVED

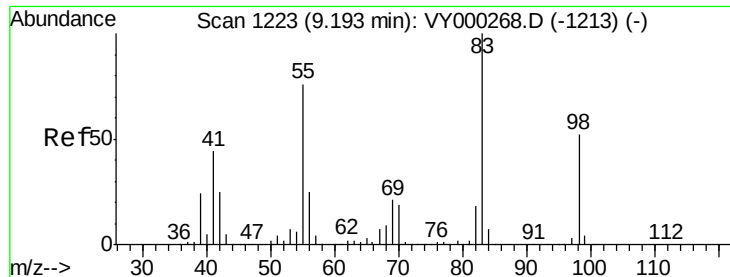
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.142 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	72.8	109.2
121	30.8	22.2	33.2





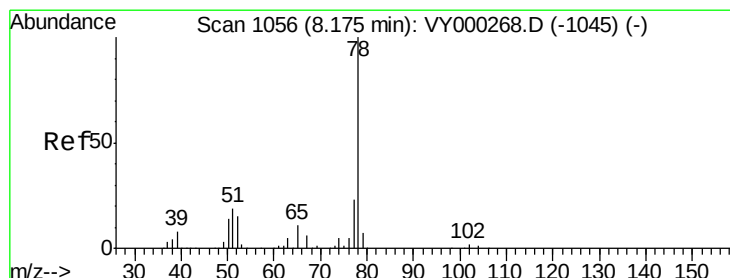
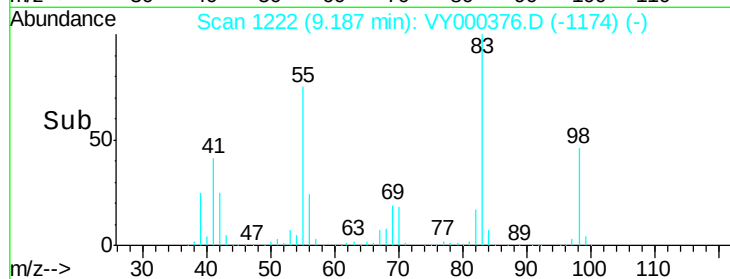
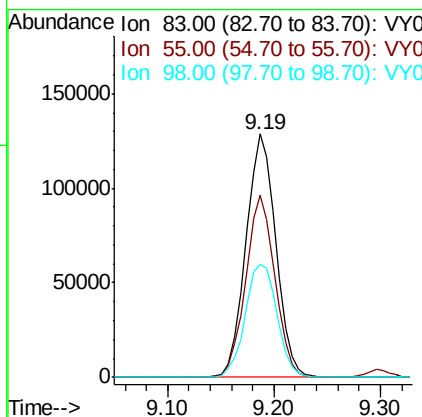
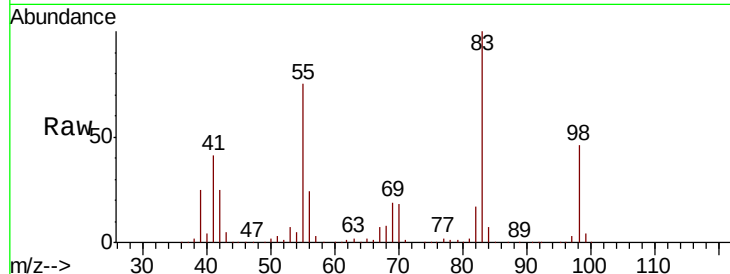
#39
Methylvlcyclohexane
Concen: 48.221 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	253701
Ion Ratio	100	Lower	Upper
83	100		
55	74.9	60.9	91.3
98	46.2	41.8	62.6

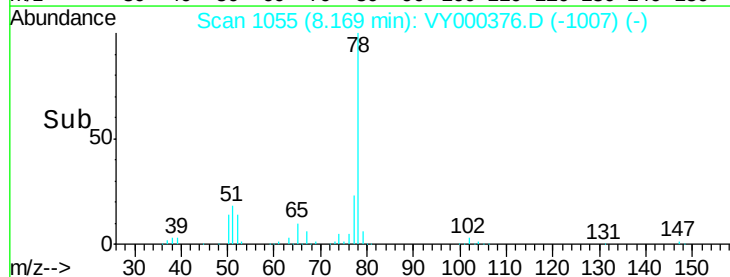
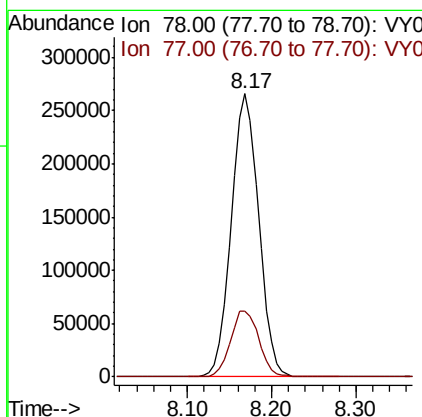
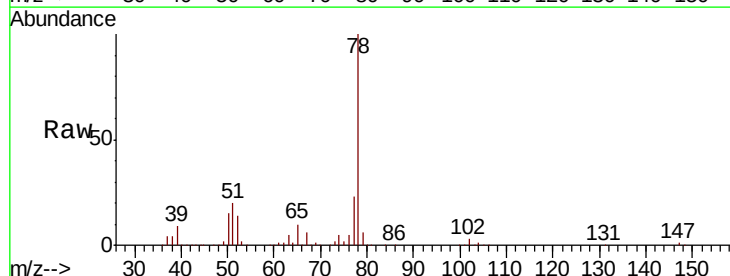
Manual Integrations
APPROVED

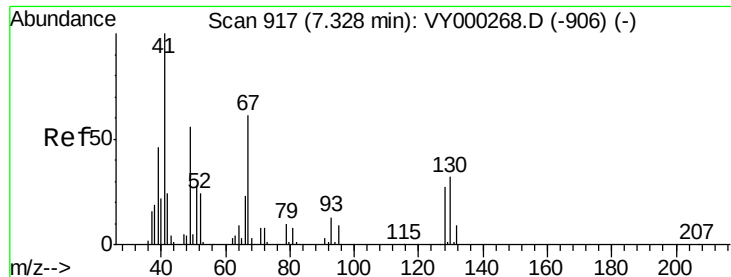
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#40
Benzene
Concen: 50.215 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	78.00	Resp	583346
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.8	28.2





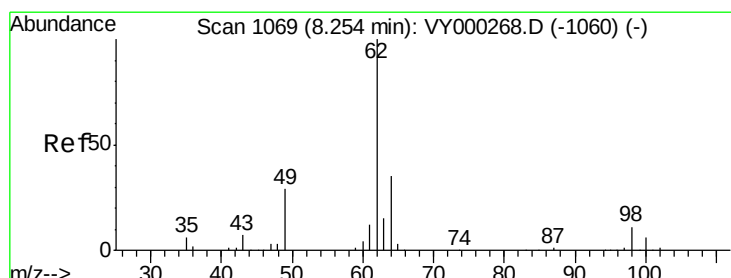
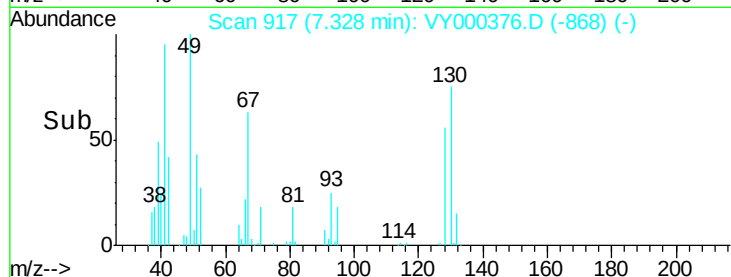
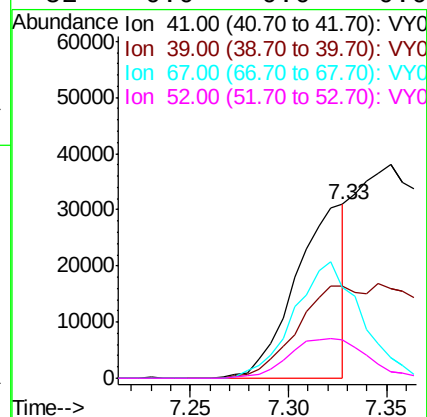
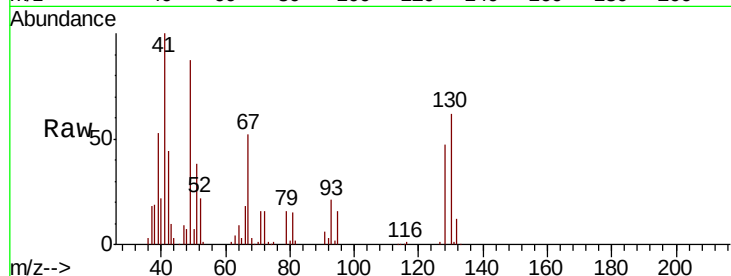
#41
Methacrylonitrile
Concen: 48.877 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

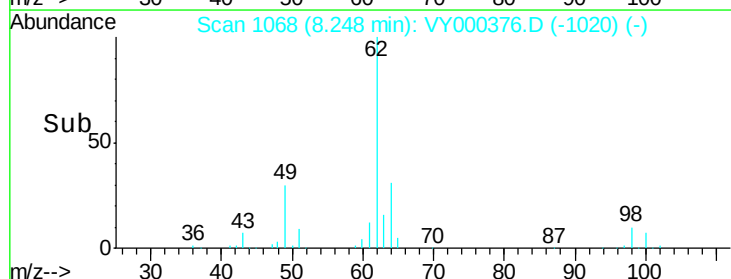
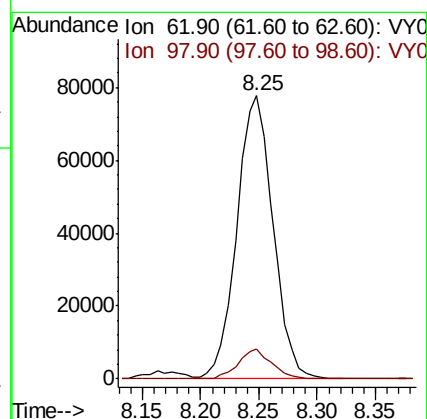
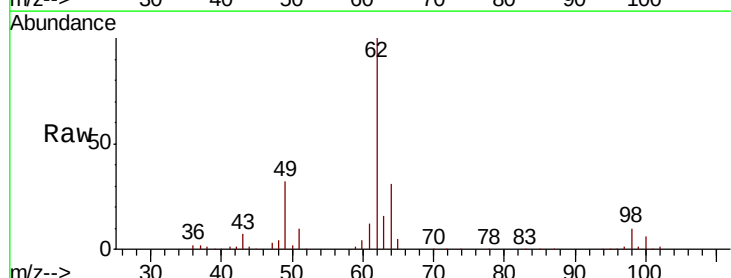
Manual Integrations
APPROVED

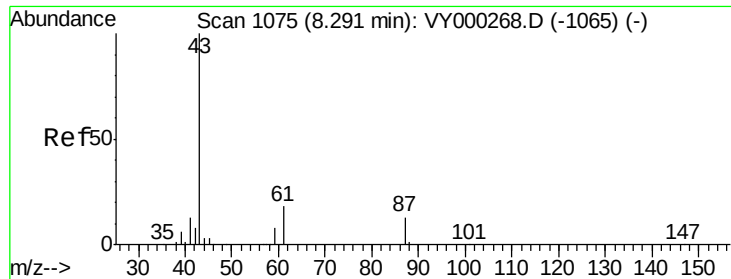
MMDadoda
10/24/2019 4:29:48 PM



#42
1,2-Dichloroethane
Concen: 50.667 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.926 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

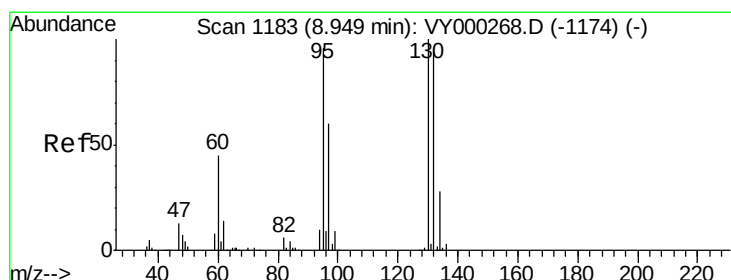
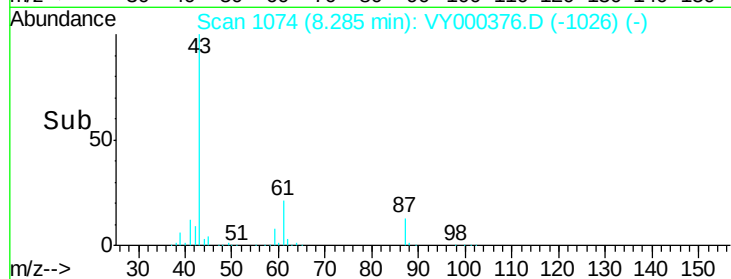
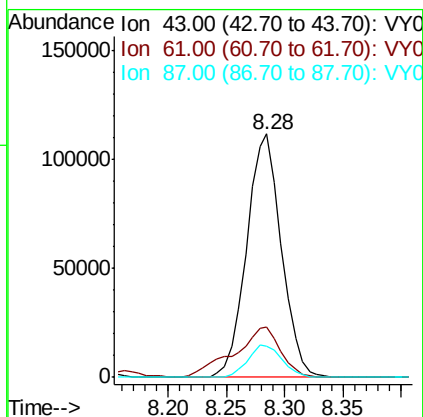
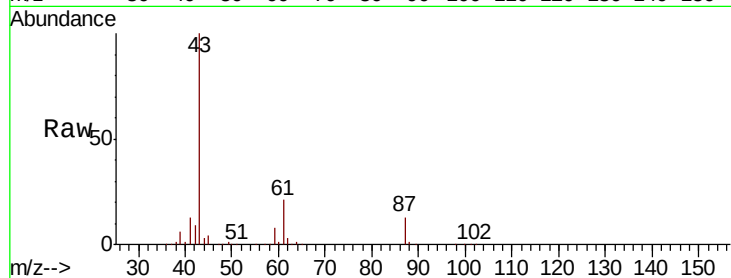
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	230483
Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.3	33.5
87	13.3	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 49.933 ug/l

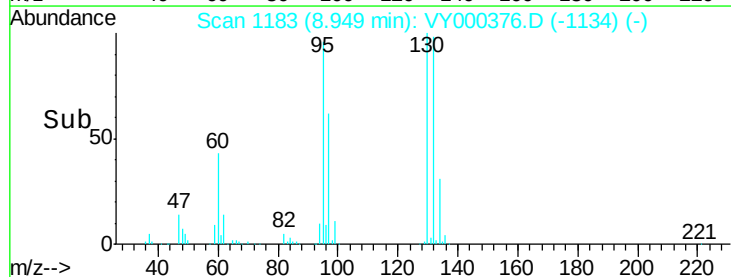
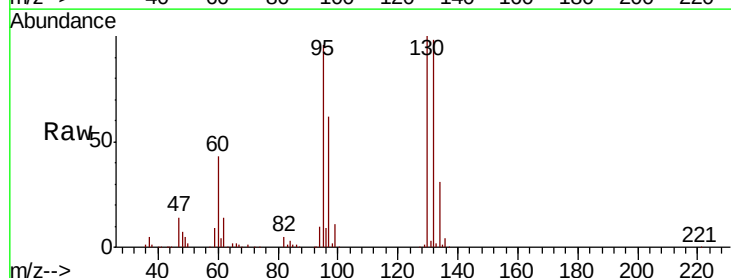
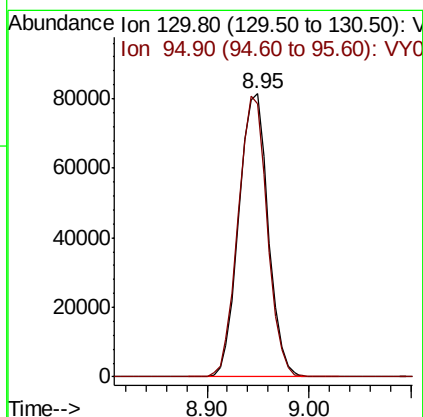
RT: 8.95 min Scan# 1183

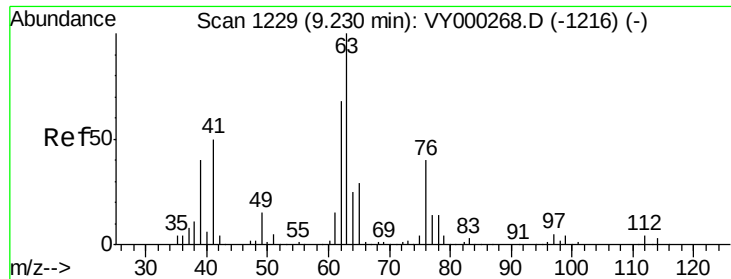
Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion:	130	Resp:	162760
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	191.4





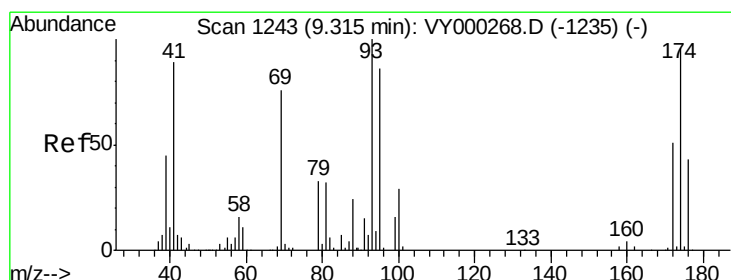
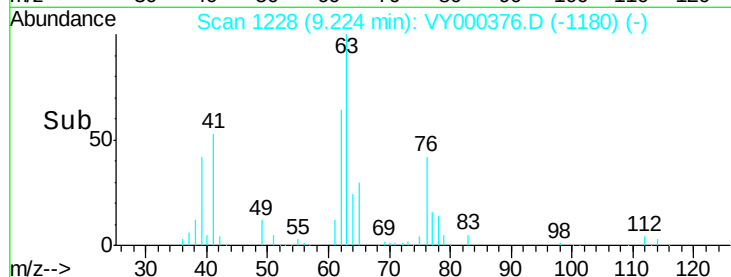
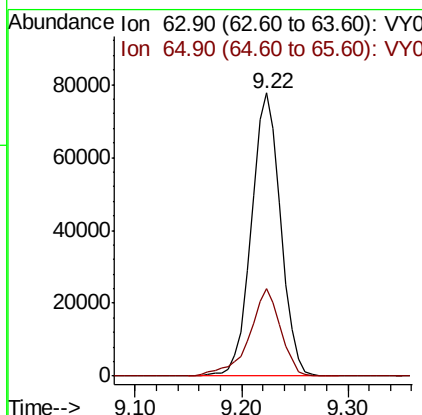
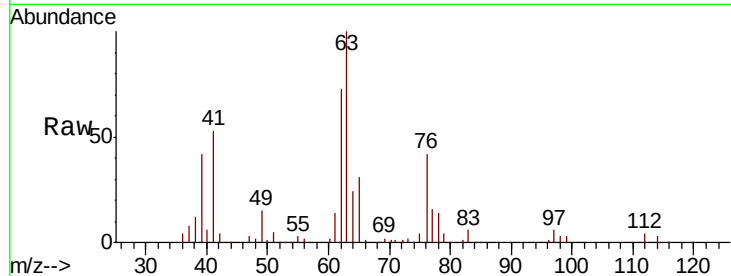
#45
 1,2-Dichloropropane
 Concen: 52.482 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 149619
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.2 34.8

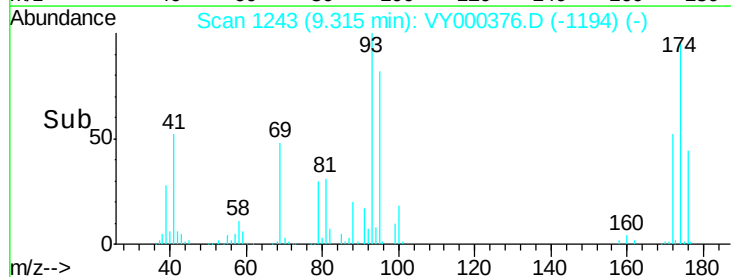
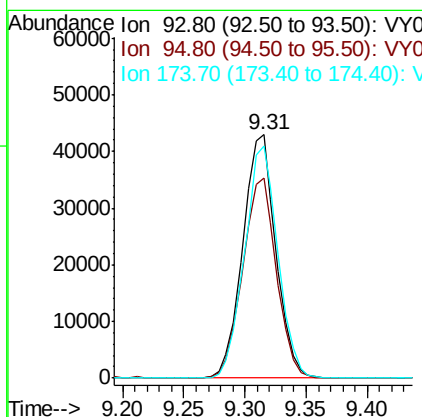
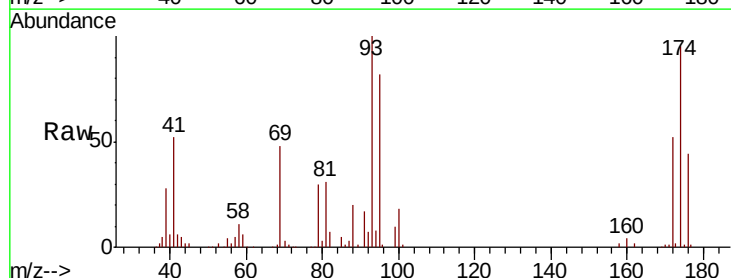
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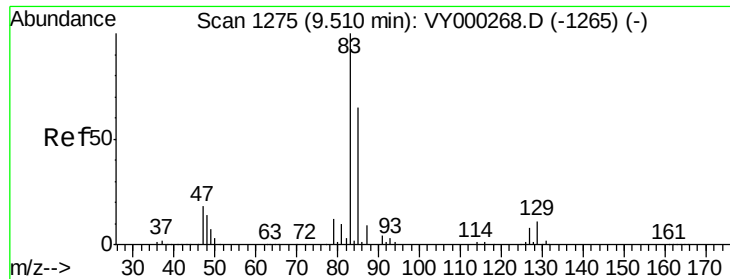
MMDadoda
 10/24/2019 4:29:48 PM



#46
 Dibromomethane
 Concen: 50.554 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion: 93 Resp: 80566
 Ion Ratio Lower Upper
 93 100
 95 83.6 68.2 102.2
 174 96.2 79.8 119.6





#47

Bromodichloromethane

Concen: 52.230 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

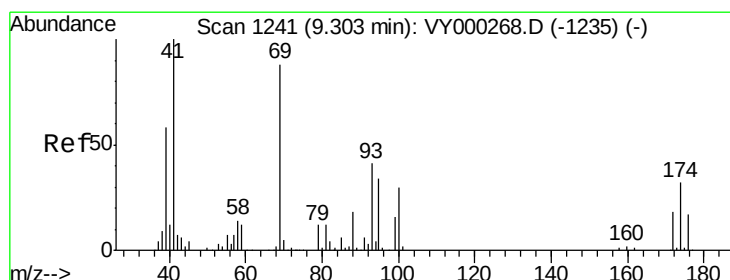
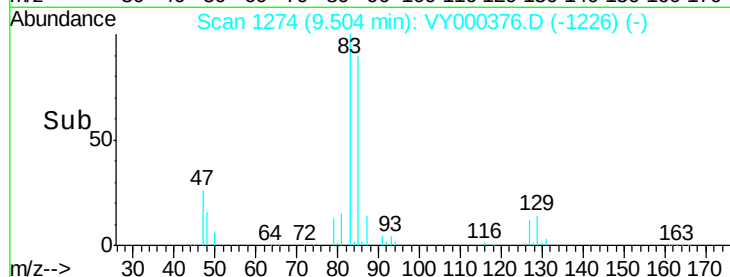
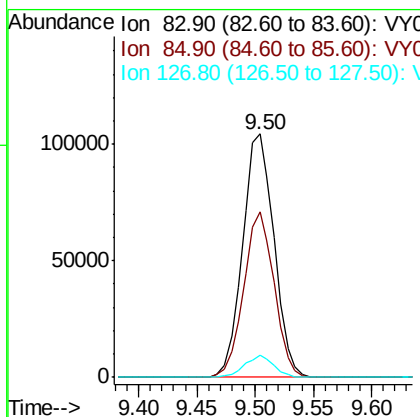
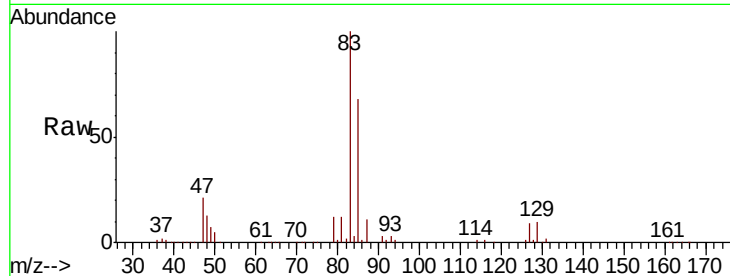
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	196166
Ion Ratio	Lower	Upper	
83	100		
85	68.1	52.2	78.2
127	9.0	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.596 ug/l

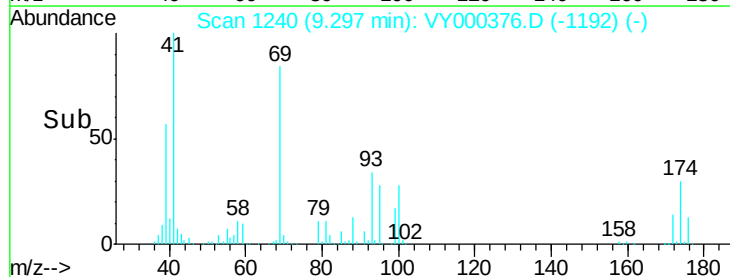
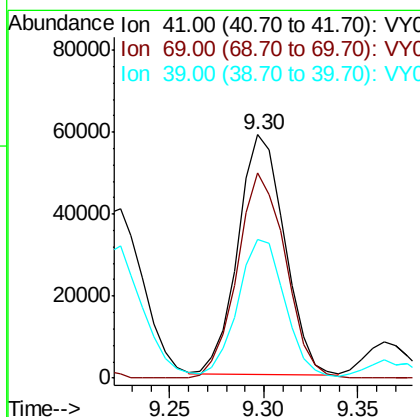
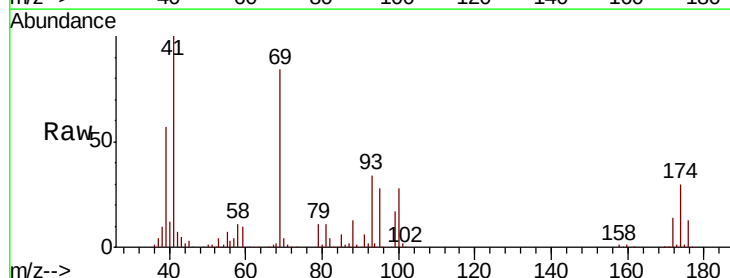
RT: 9.30 min Scan# 1240

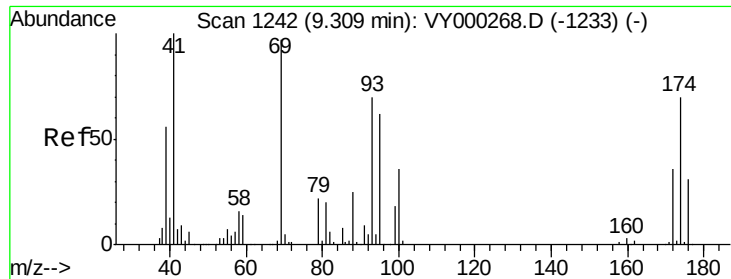
Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion:	41	Resp:	100355
Ion Ratio	Lower	Upper	
41	100		
69	88.5	70.0	105.0
39	59.0	47.7	71.5





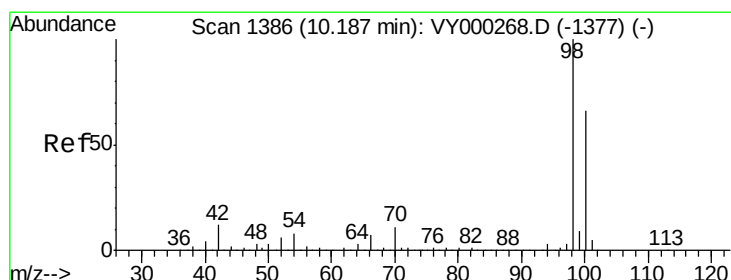
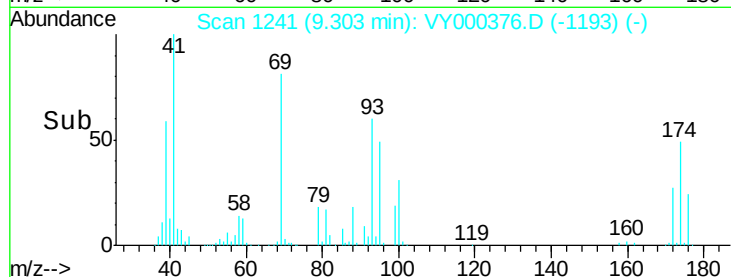
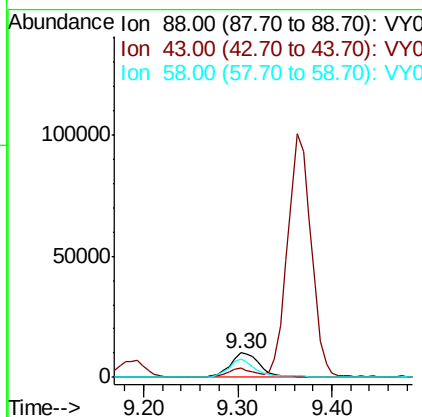
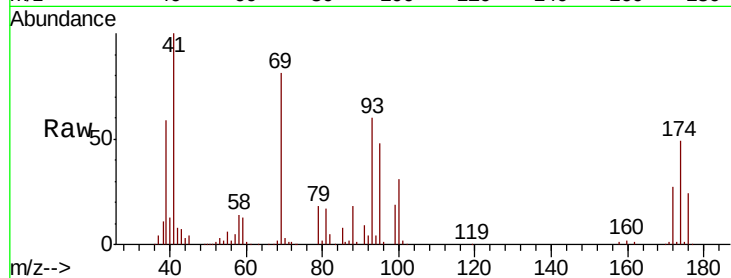
#49
1,4-Dioxane
Concen: 925.120 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.6	38.4
58	67.1	54.6	81.8

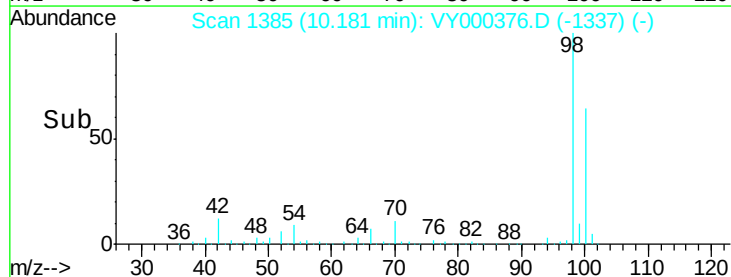
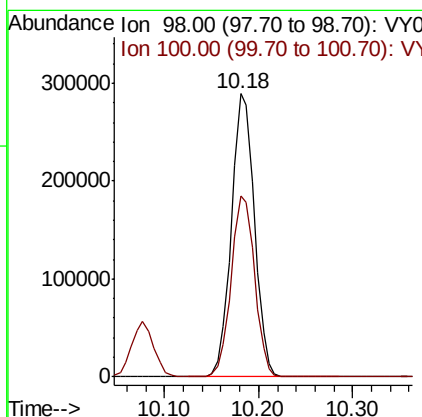
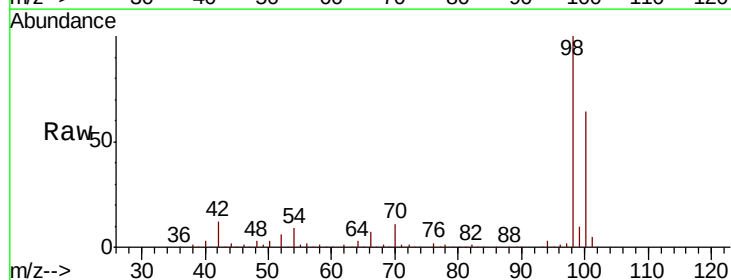
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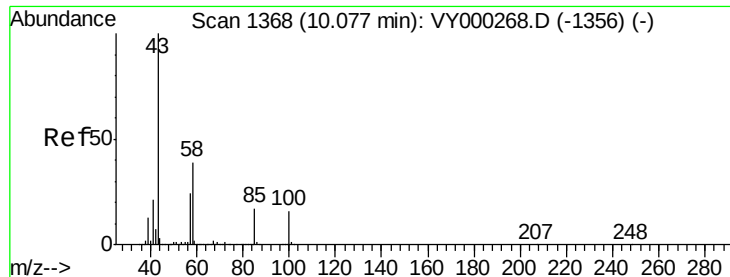
MMDadoda
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#50
Toluene-d8
Concen: 51.430 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 260.306 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 607637

Ion Ratio Lower Upper

43 100

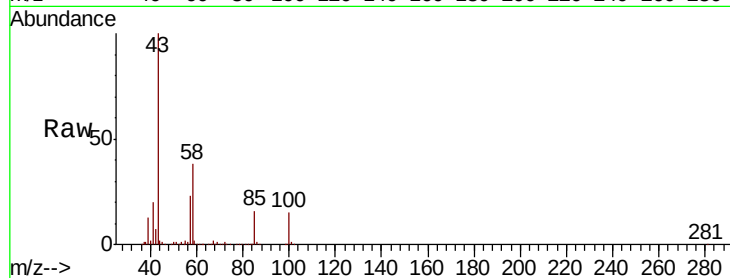
58 39.4 31.0 46.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

400000

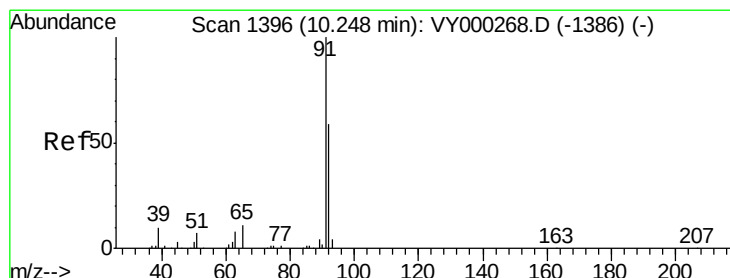
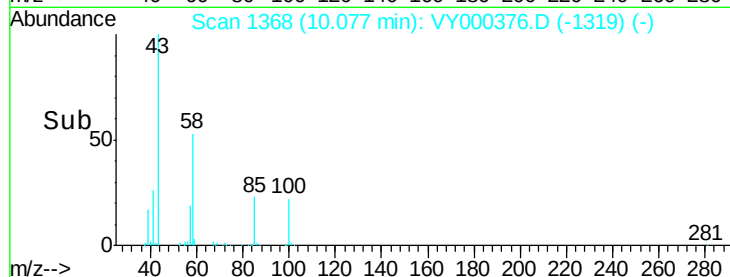
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.059 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000376.D

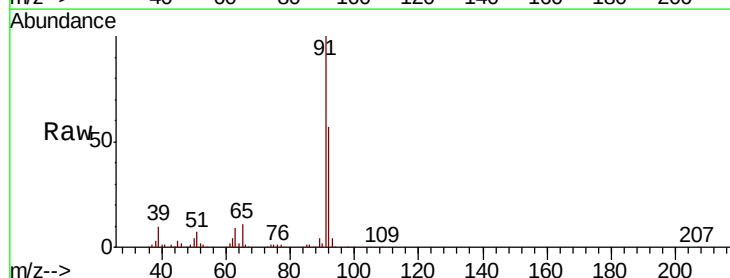
Acq: 23 Oct 2019 13:05

Tgt Ion: 92 Resp: 376592

Ion Ratio Lower Upper

92 100

91 170.4 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.25

400000

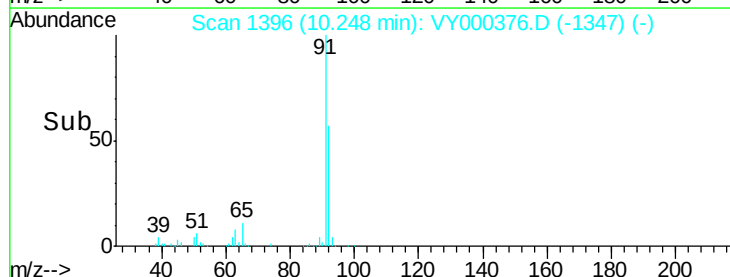
300000

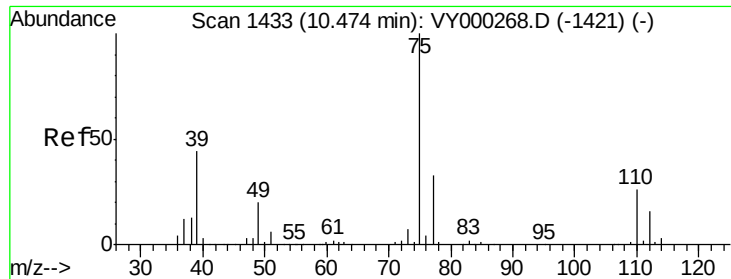
200000

100000

0

Time-->





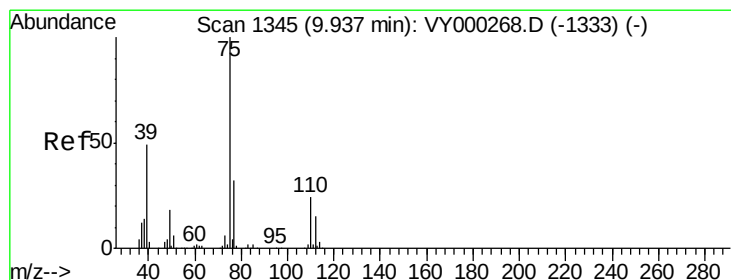
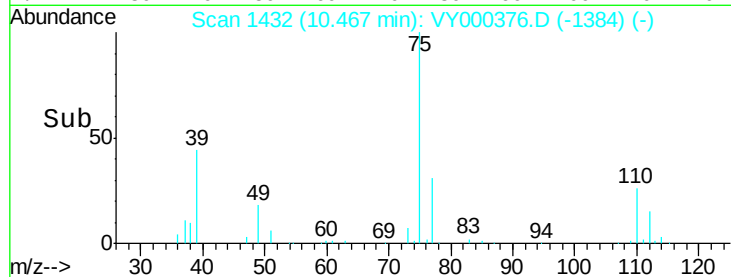
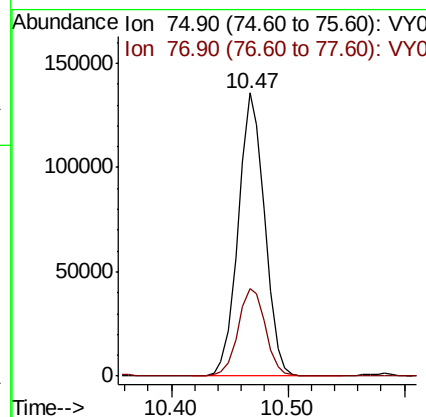
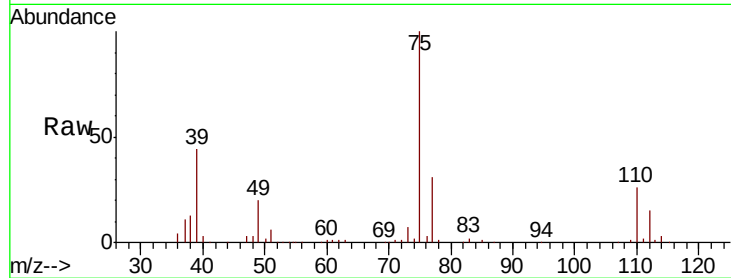
#53
t-1,3-Dichloropropene
Concen: 53.239 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 214294
Ion Ratio Lower Upper
75 100
77 30.8 26.0 39.0

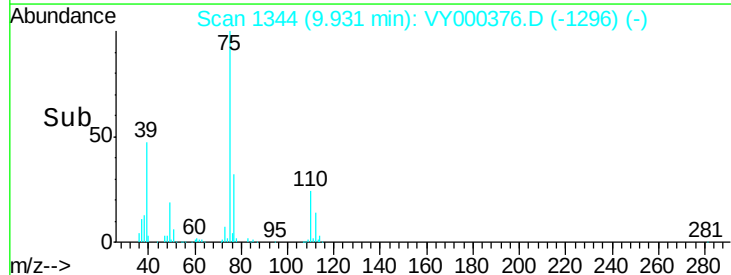
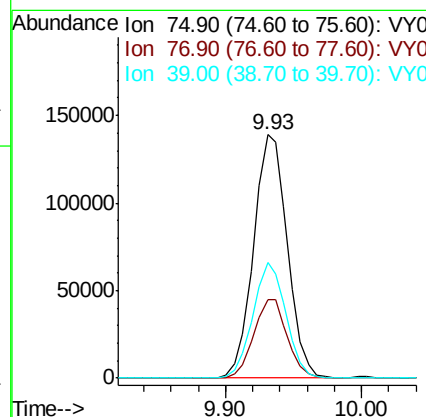
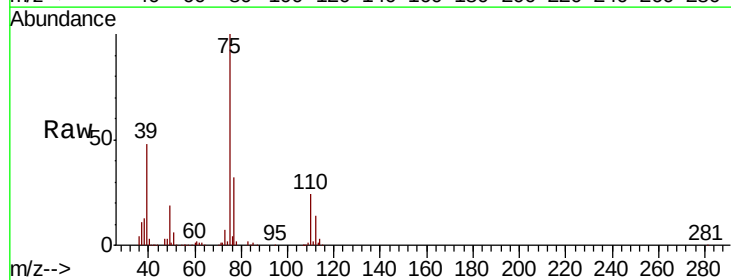
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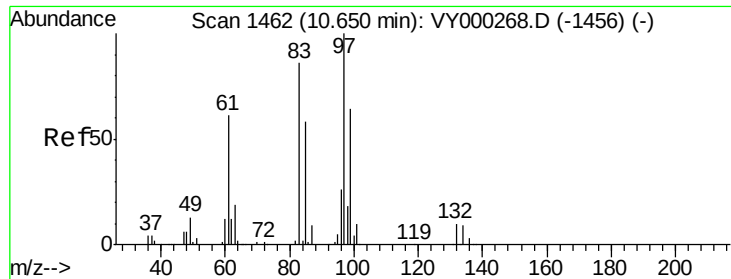
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.869 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion: 75 Resp: 241672
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
39 47.5 38.8 58.2





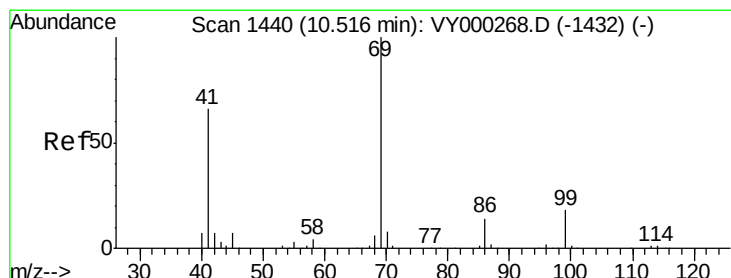
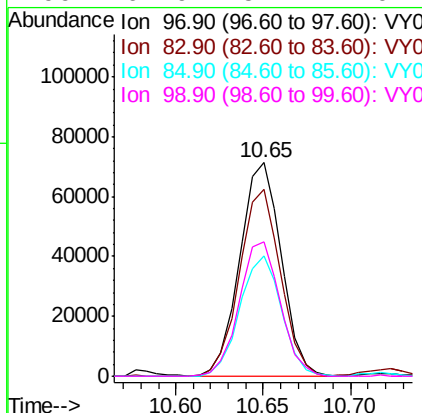
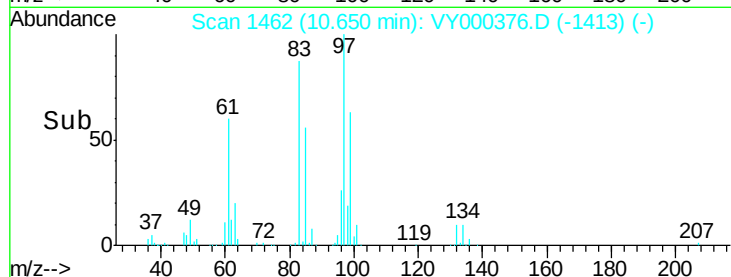
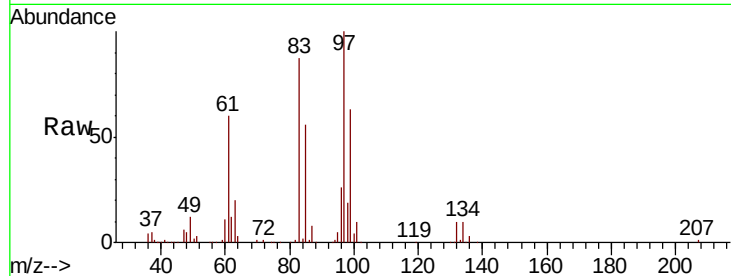
#55
 1,1,2-Trichloroethane
 Concen: 50.954 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	118068		
83	87.4	69.0	103.6	
85	56.1	46.2	69.4	
99	62.9	51.1	76.7	

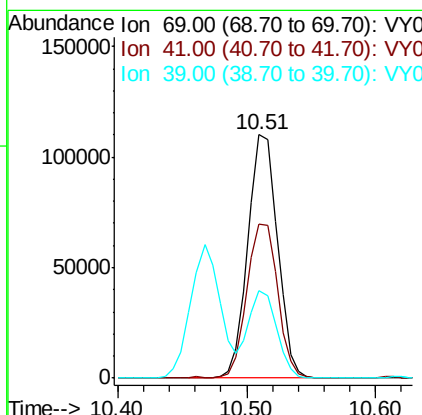
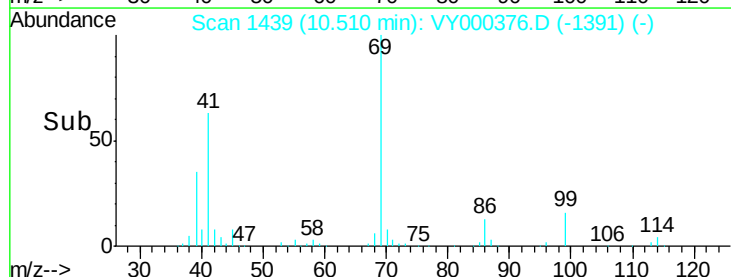
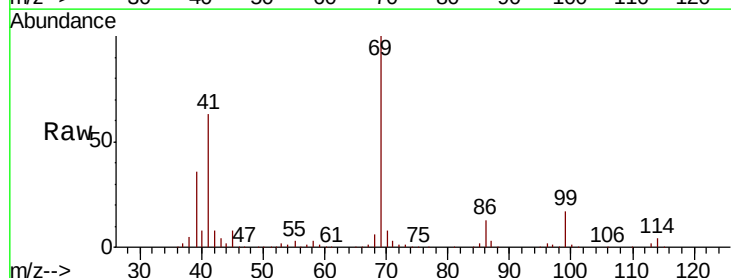
Manual Integrations
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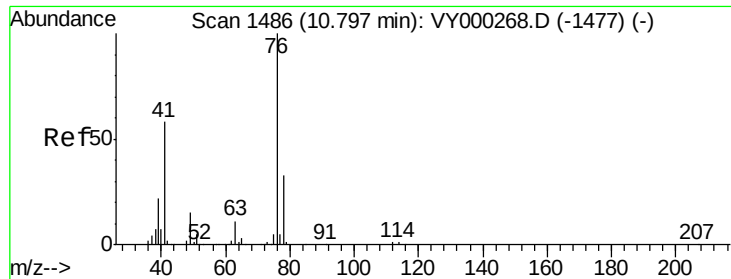
MMDadoda
 10/24/2019 4:29:48 PM



#56
 Ethyl methacrylate
 Concen: 52.913 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	174761		
41	64.9	52.5	78.7	
39	34.2	26.7	40.1	





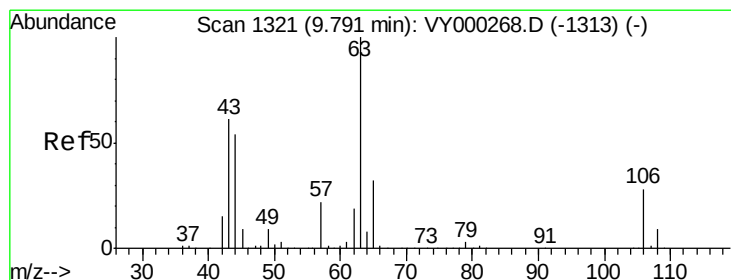
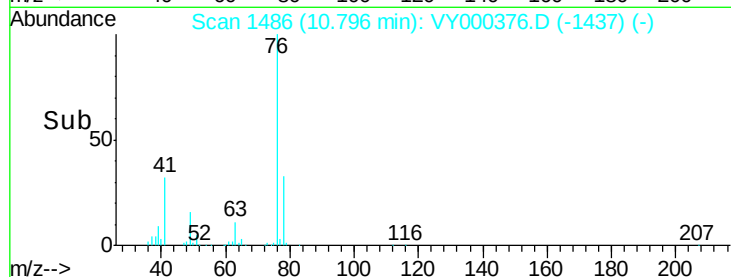
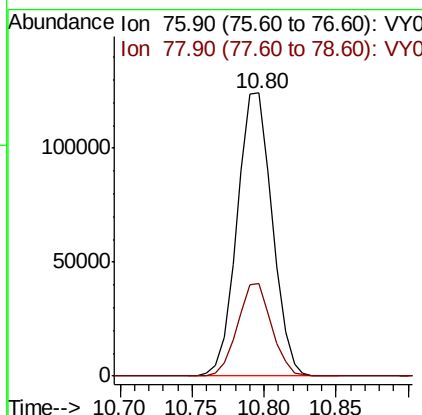
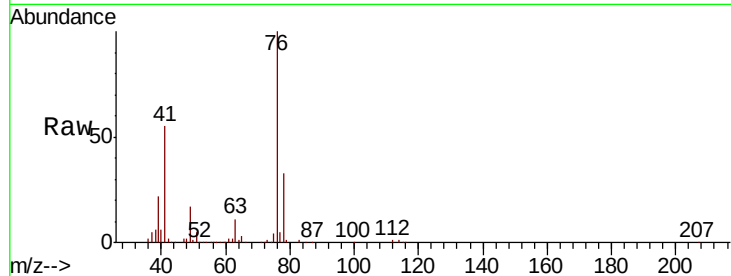
#57
 1,3-Dichloropropane
 Concen: 52.828 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.2

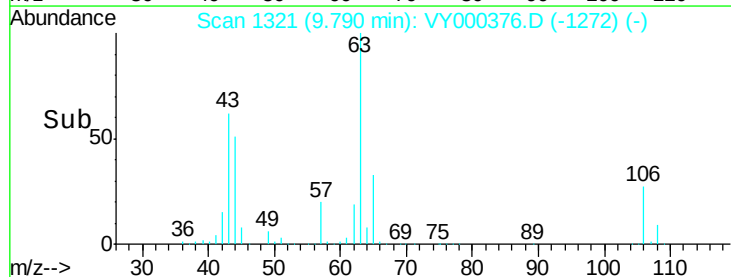
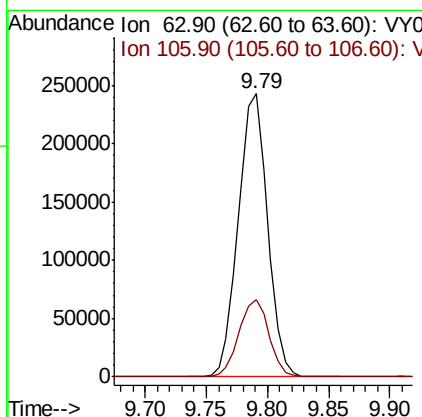
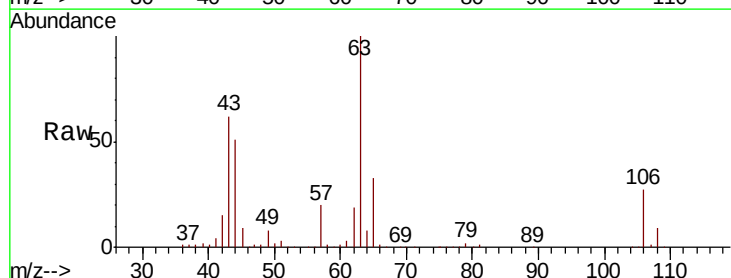
Manual Integrations
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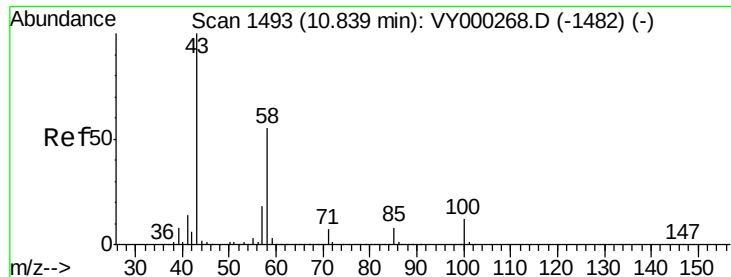
MMDadoda
 10/24/2019 4:29:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 306.016 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.4





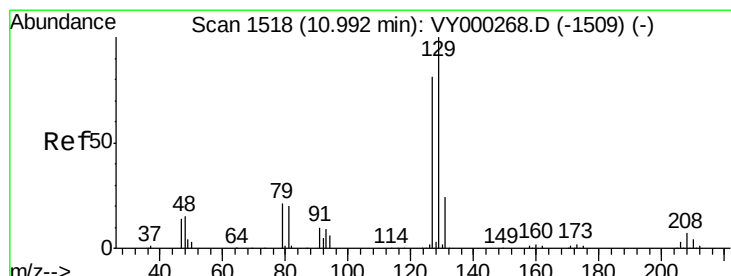
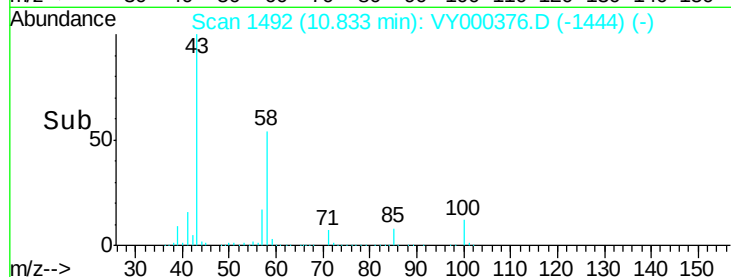
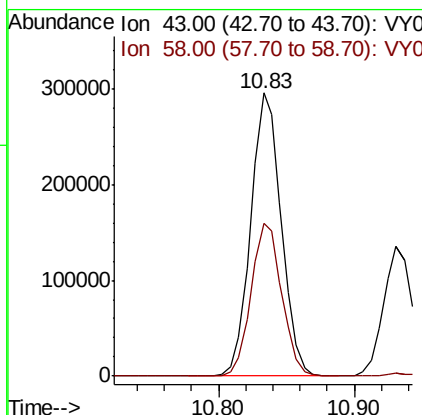
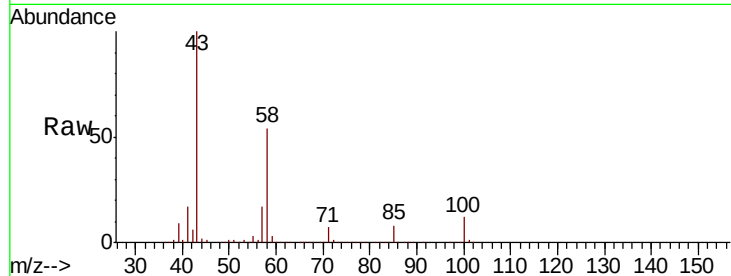
#59
2-Hexanone
Concen: 283.812 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 465023
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

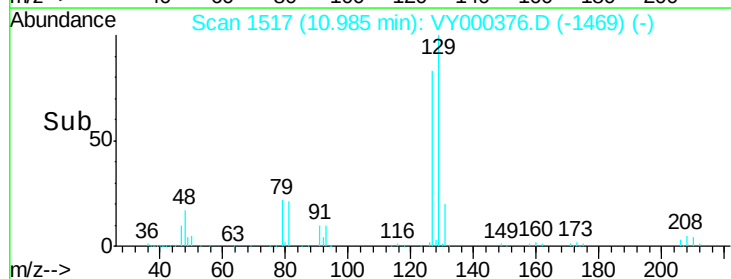
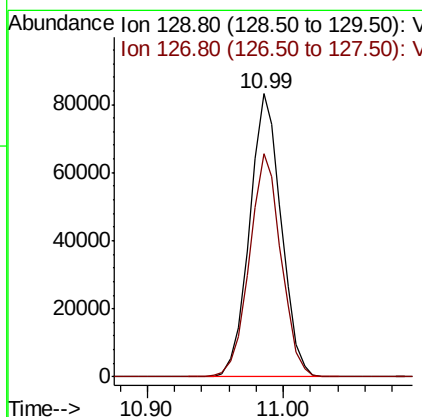
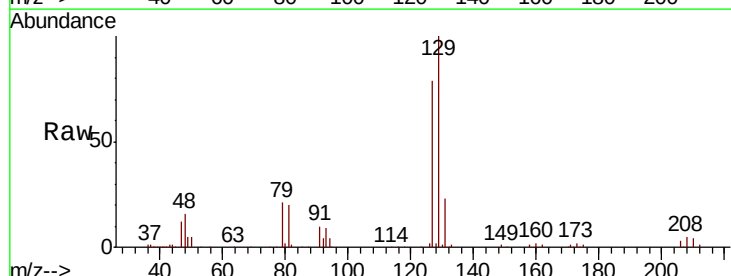
Manual Integrations
APPROVED

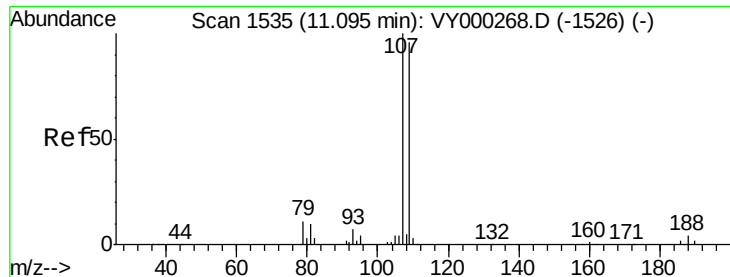
MMDadoda
10/24/2019 4:29:48 PM



#60
Dibromochloromethane
Concen: 52.658 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion: 129 Resp: 135240
Ion Ratio Lower Upper
129 100
127 78.8 39.9 119.7





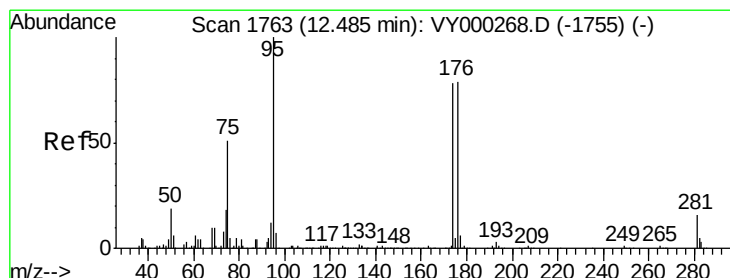
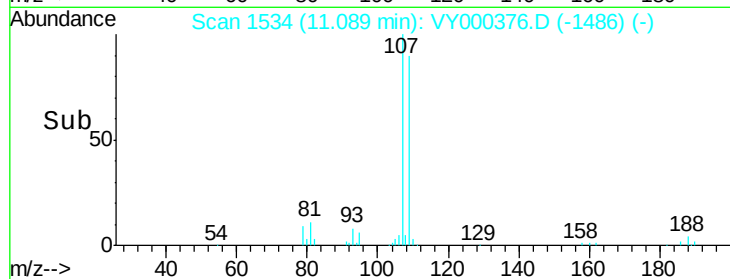
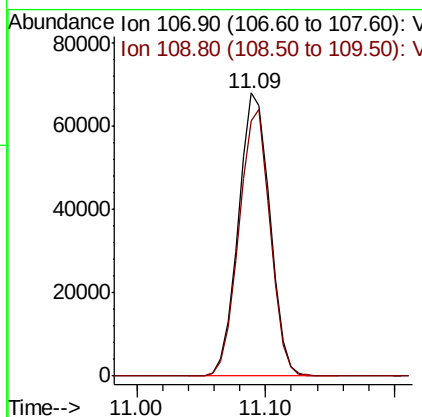
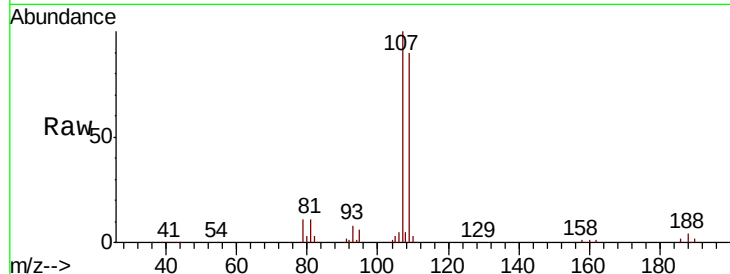
#61
 1,2-Dibromoethane
 Concen: 51.637 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.1	112.7

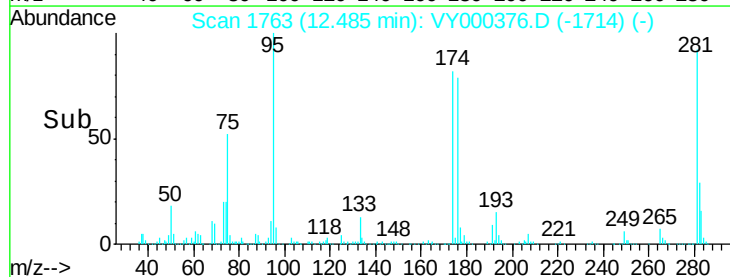
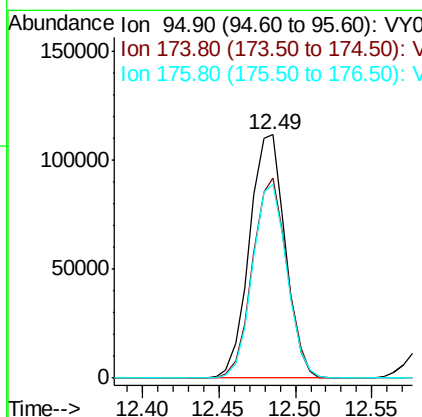
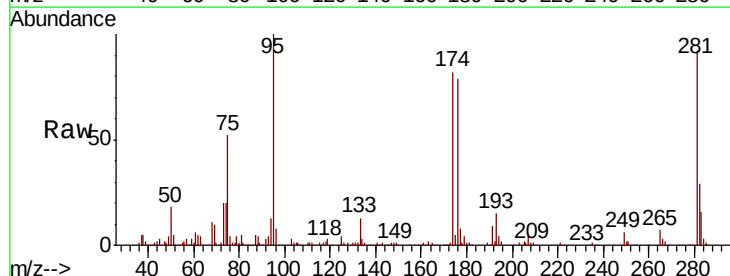
Manual Integrations
 APPROVED

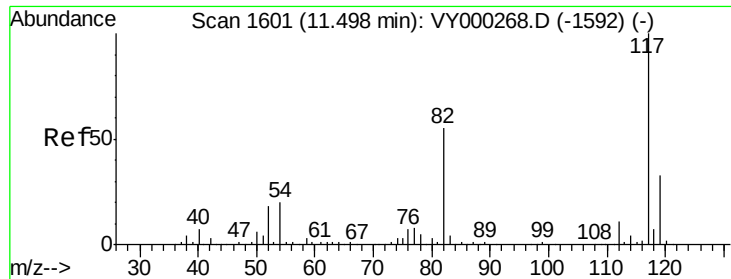
MMDadoda
 10/24/2019 4:29:48 PM



#62
 4-Bromofluorobenzene
 Concen: 50.196 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	159.6
176	76.8	0.0	153.8





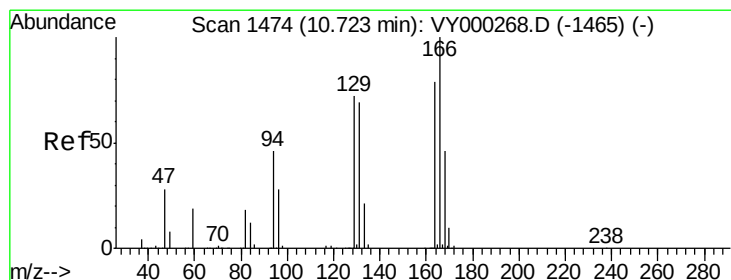
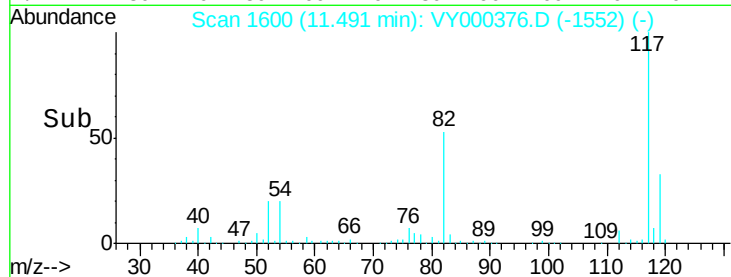
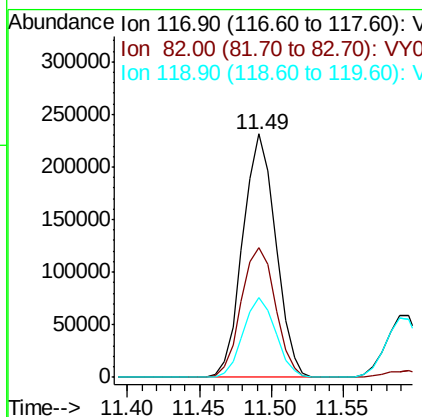
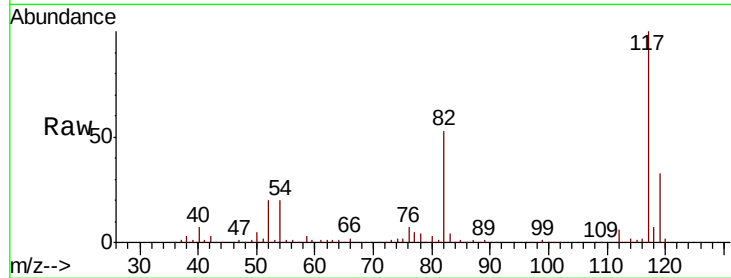
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.7	65.5
119	32.6	26.6	39.8

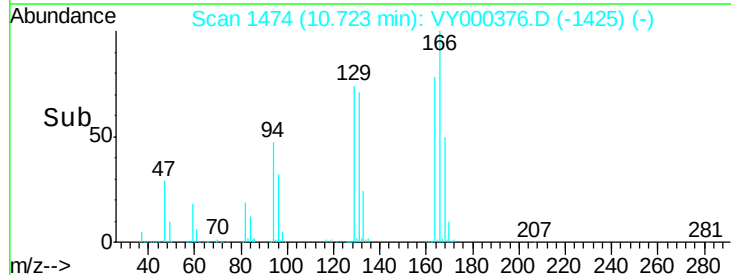
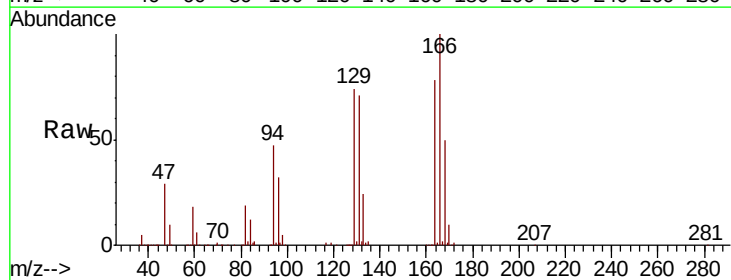
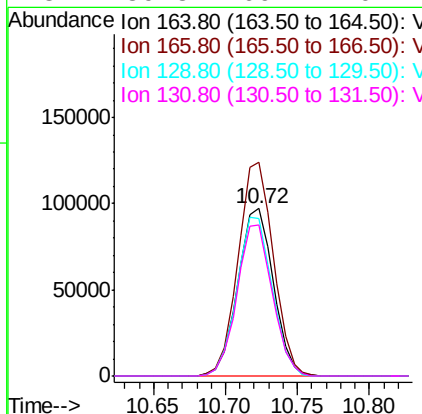
Manual Integrations
APPROVED

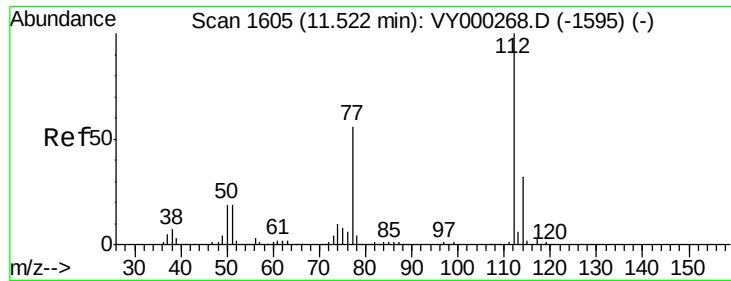
MMDadoda
10/24/2019 4:29:48 PM



#64
Tetrachloroethene
Concen: 47.341 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.6	151.0
129	94.0	72.8	109.2
131	89.8	69.4	104.2





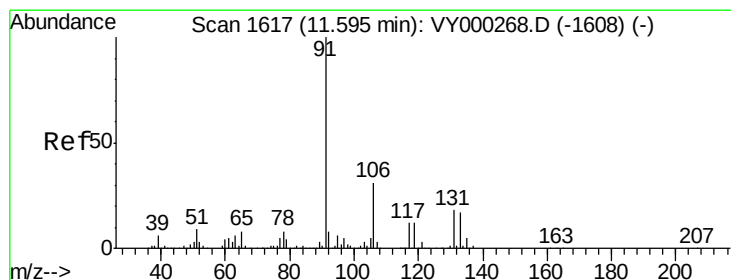
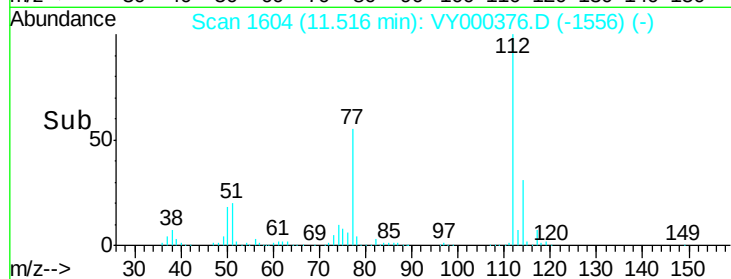
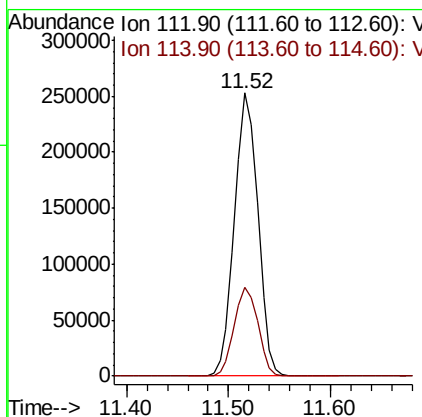
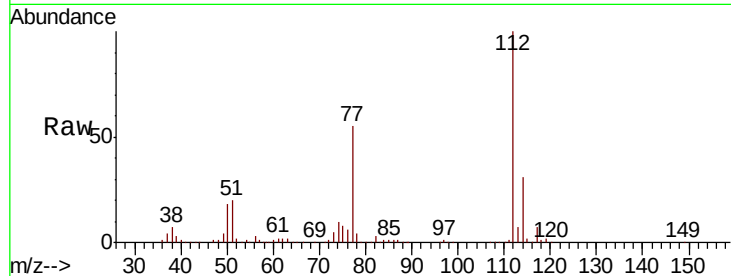
#65
Chlorobenzene
Concen: 51.670 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 401454
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5

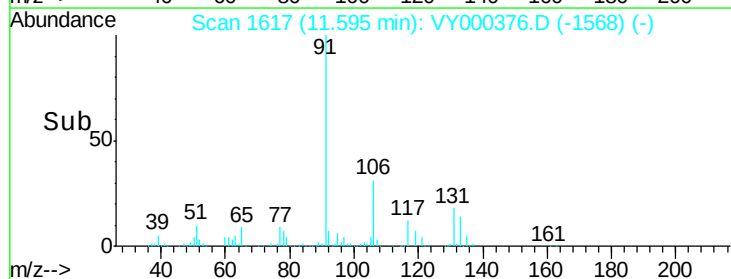
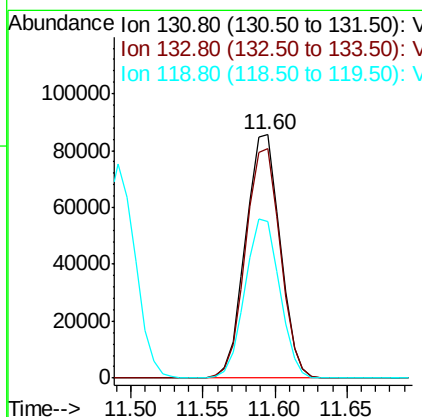
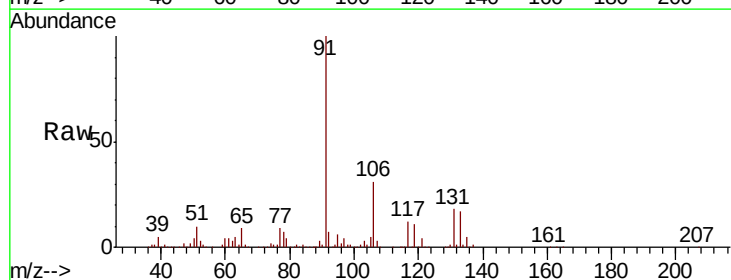
Manual Integrations
APPROVED

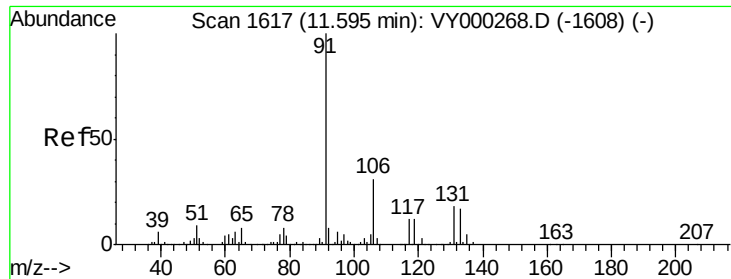
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.164 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion:131 Resp: 142372
Ion Ratio Lower Upper
131 100
133 94.6 47.2 141.6
119 65.3 32.6 98.0





#67

Ethyl Benzene

Concen: 52.045 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 749609

Ion Ratio Lower Upper

91 100

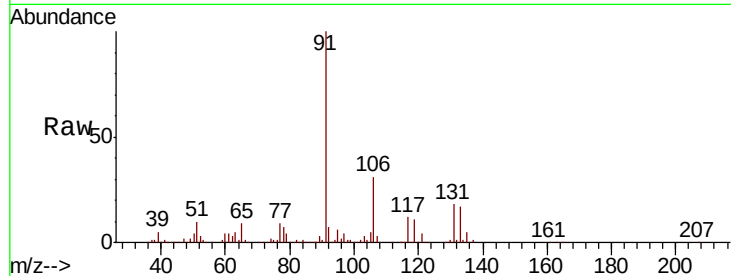
106 31.0 25.0 37.6

Manual Integrations

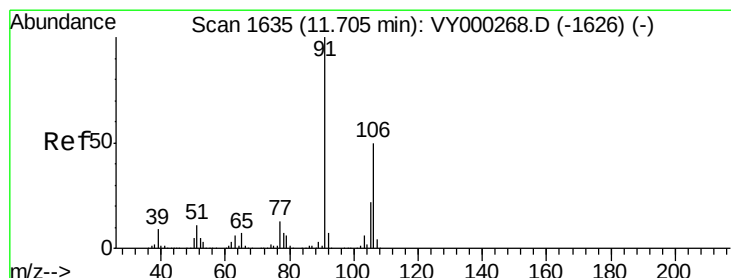
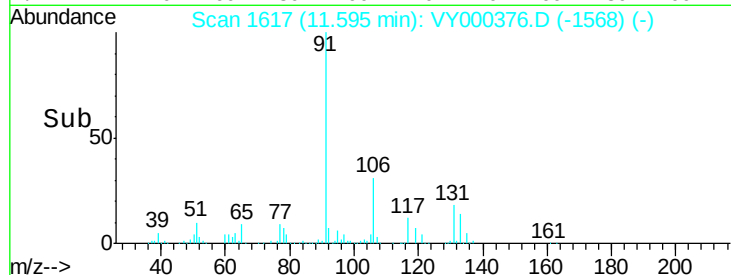
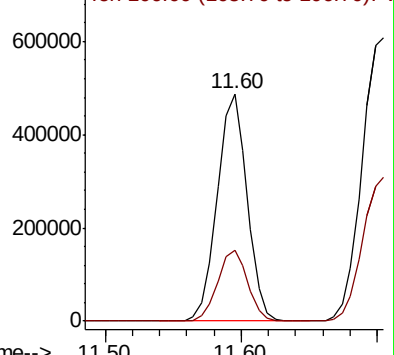
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Abundance Ion 91.00 (90.70 to 91.70): VY000376.D (-1568) (-)



#68

m/p-Xylenes

Concen: 103.915 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000376.D

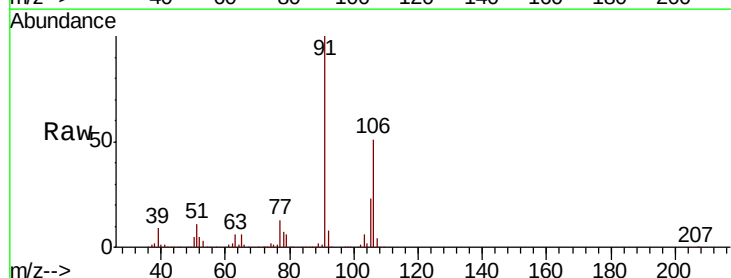
Acq: 23 Oct 2019 13:05

Tgt Ion: 106 Resp: 572165

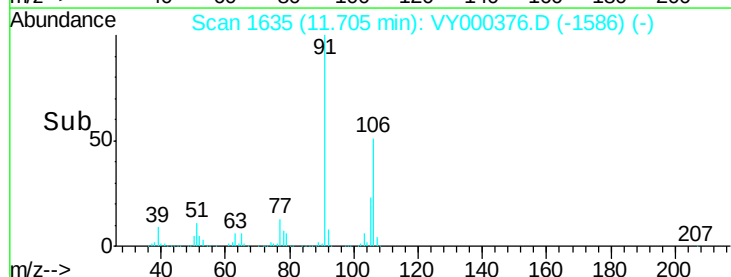
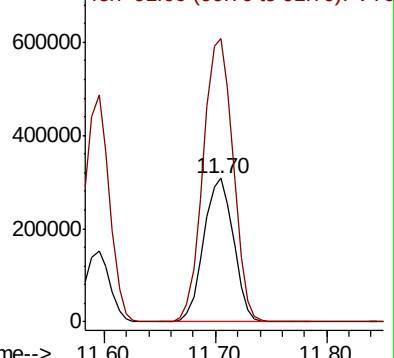
Ion Ratio Lower Upper

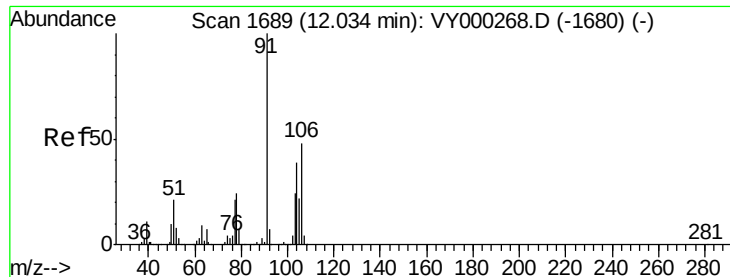
106 100

91 197.4 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VY000376.D (-1586) (-)





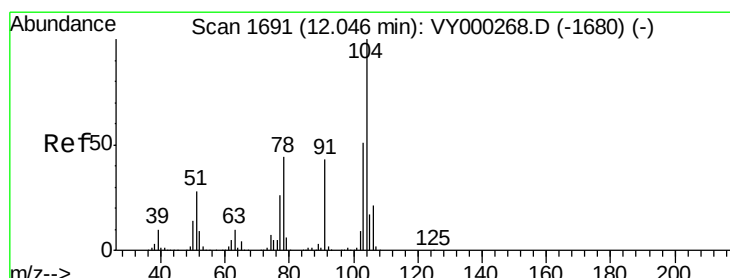
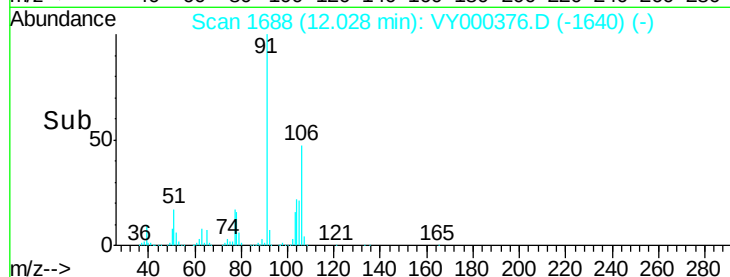
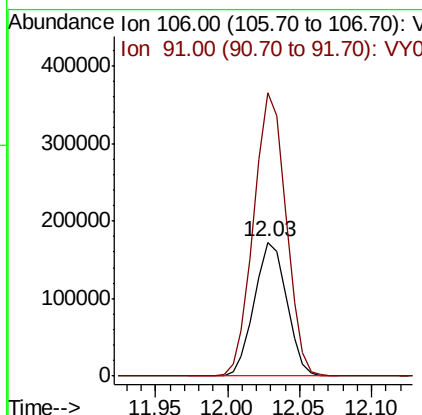
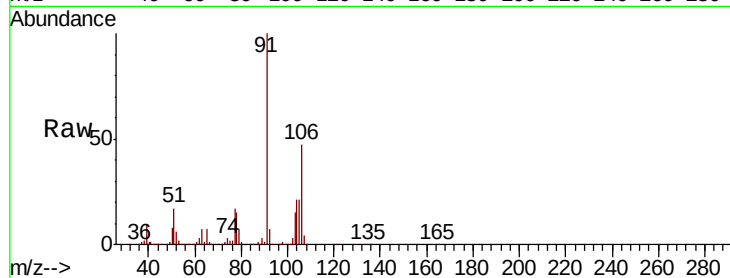
#69
o-Xylene
Concen: 51.281 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	104.7	313.9

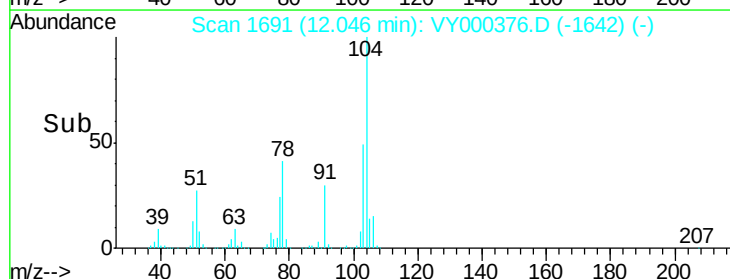
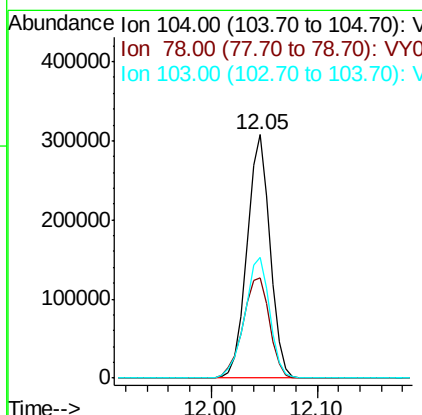
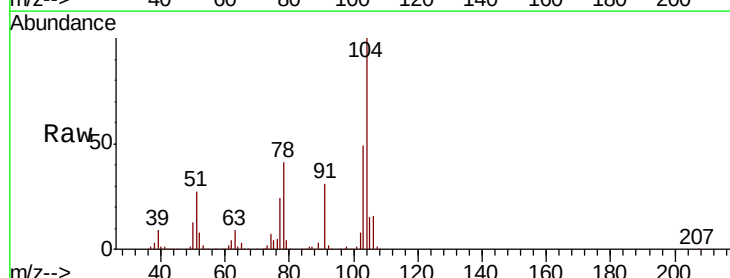
Manual Integrations
APPROVED

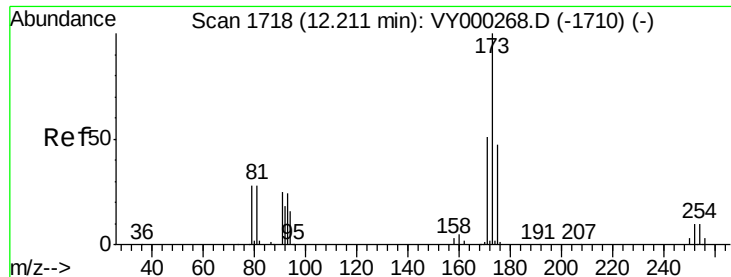
MMDadoda
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#70
Styrene
Concen: 52.639 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.0	58.6
103	53.9	43.1	64.7





#71

Bromoform

Concen: 51.879 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 81397

Ion Ratio Lower Upper

173 100

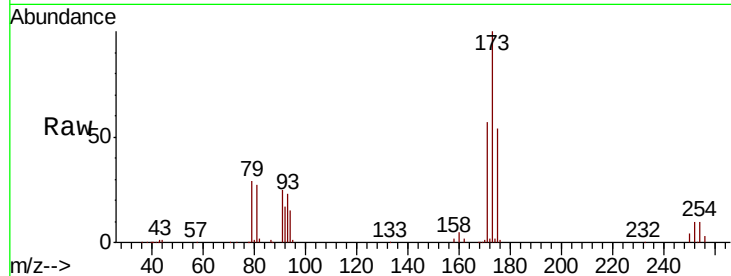
175 51.3 24.6 73.6

254 0.0 0.1 0.1#

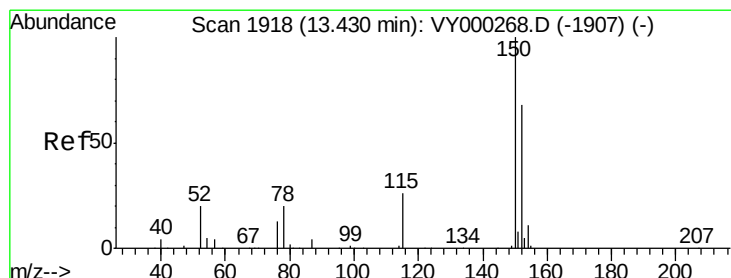
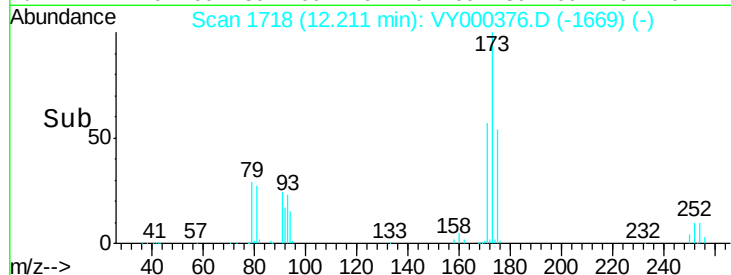
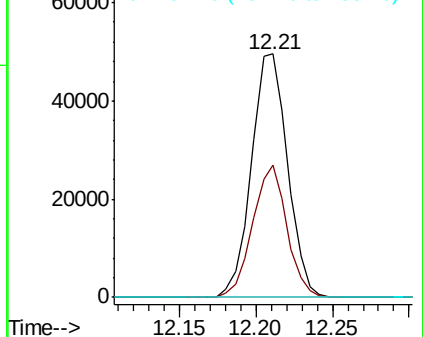
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

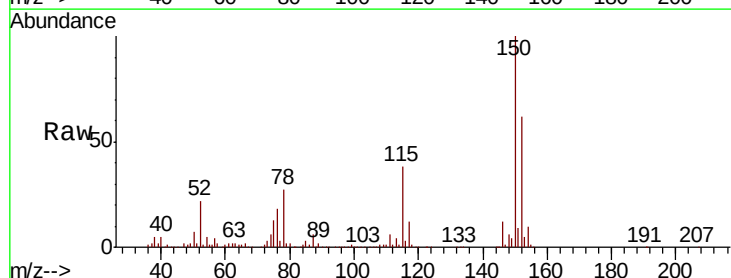
Tgt Ion:152 Resp: 184489

Ion Ratio Lower Upper

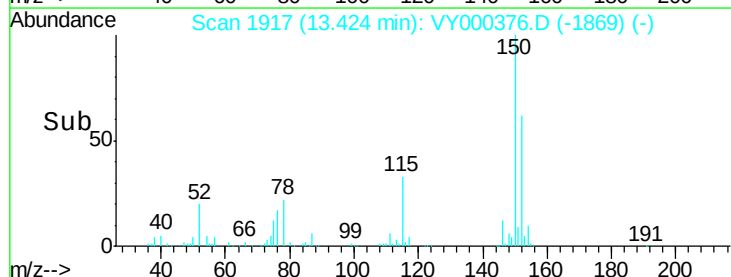
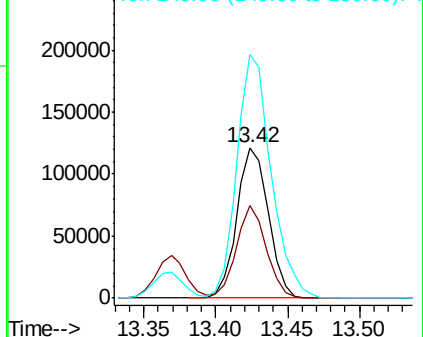
152 100

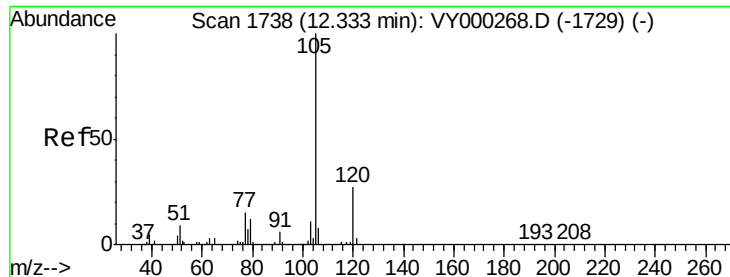
115 58.6 29.3 88.0

150 176.1 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.217 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 736776

Ion Ratio Lower Upper

105 100

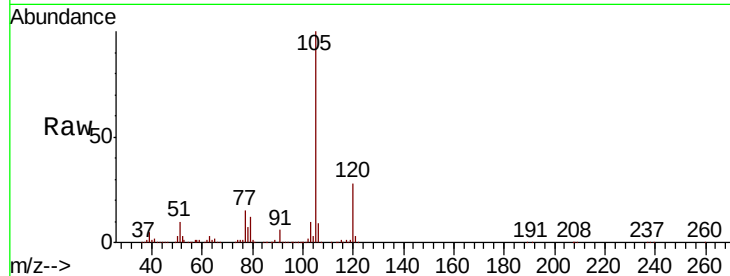
120 26.7 13.4 40.2

Manual Integrations

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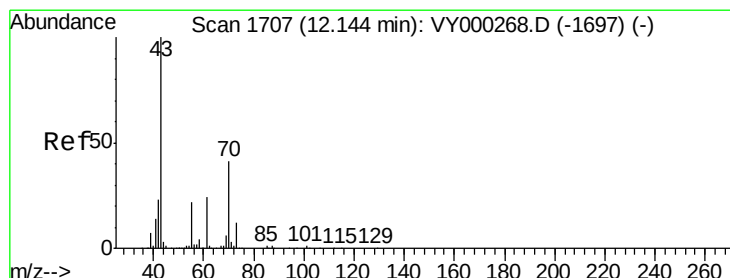
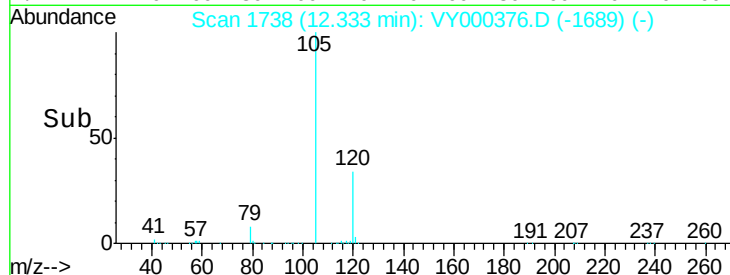
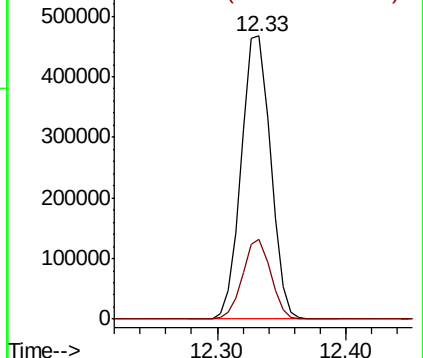
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.047 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion: 43 Resp: 215589

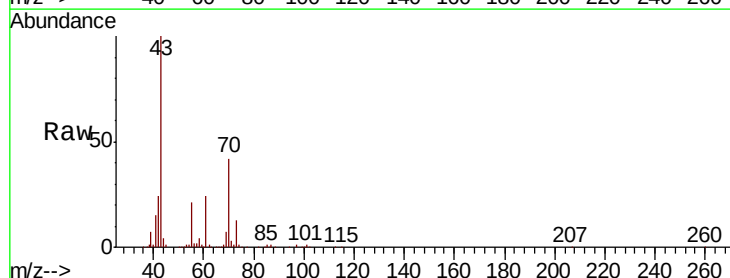
Ion Ratio Lower Upper

43 100

70 41.9 32.9 49.3

55 21.8 17.8 26.6

61 24.2 19.5 29.3

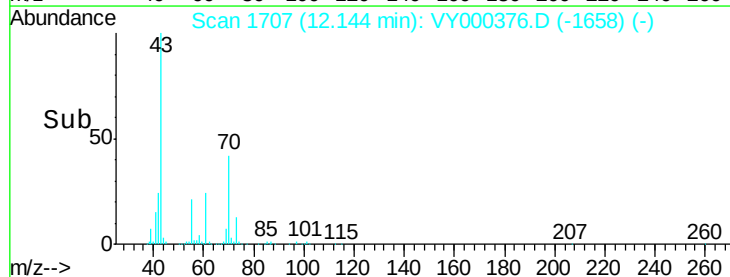
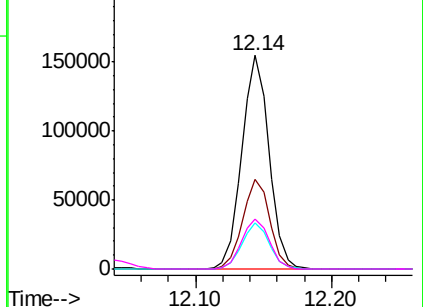


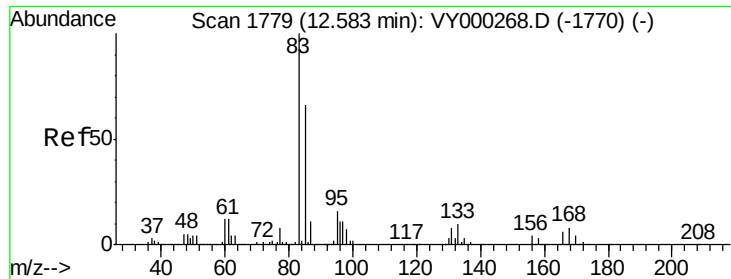
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.312 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

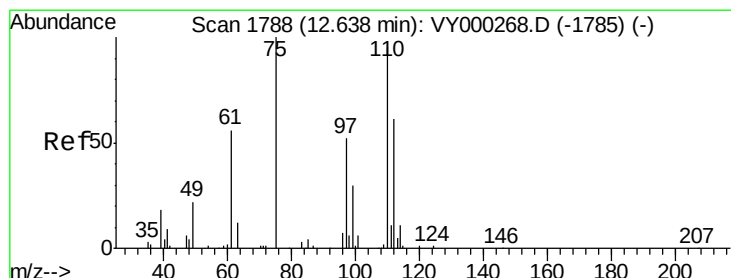
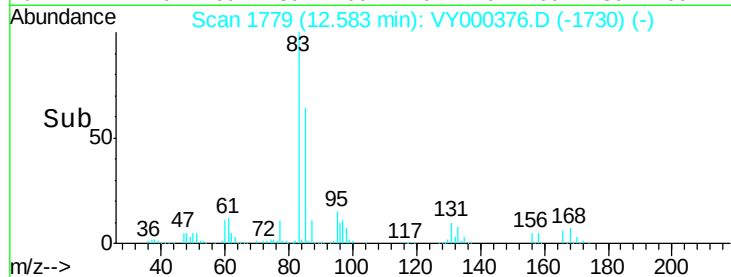
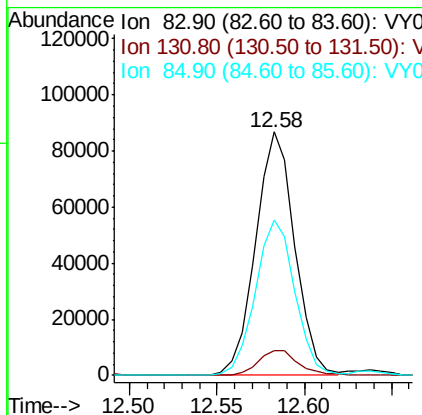
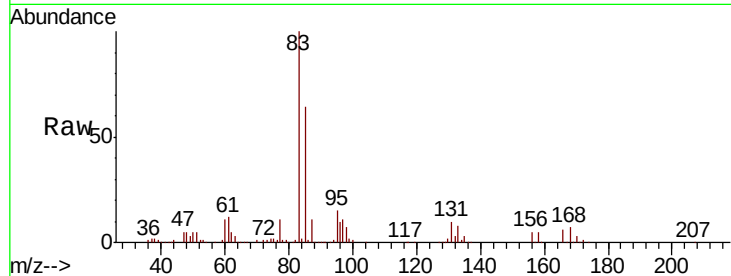
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	135888
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	64.4	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.747 ug/l m

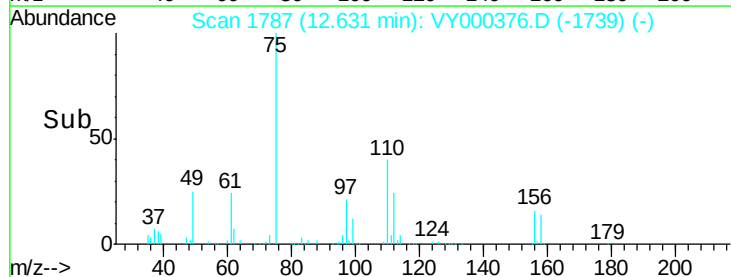
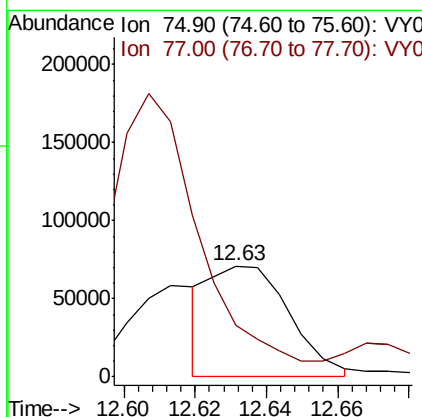
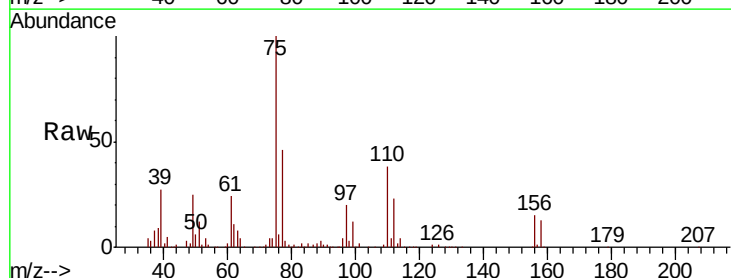
RT: 12.63 min Scan# 1787

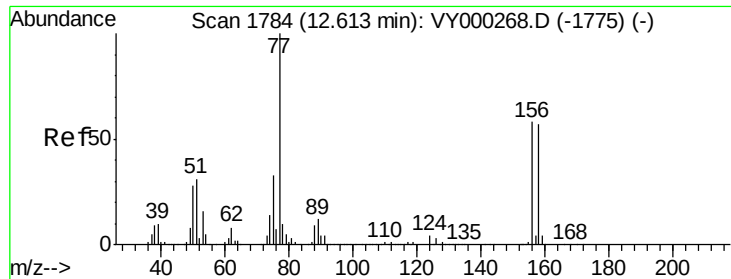
Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Tgt Ion:	75	Resp:	110586
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.306 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 161032

Ion Ratio Lower Upper

156 100

77 202.0 101.0 302.9

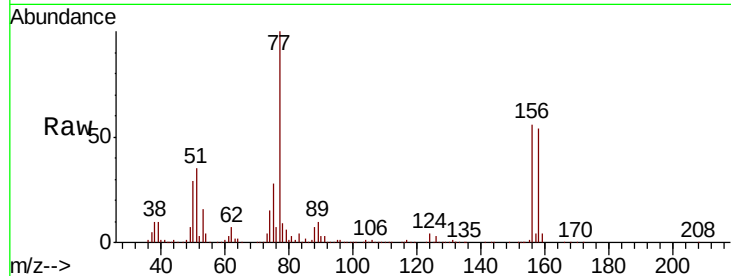
158 97.1 49.7 149.1

Manual Integrations

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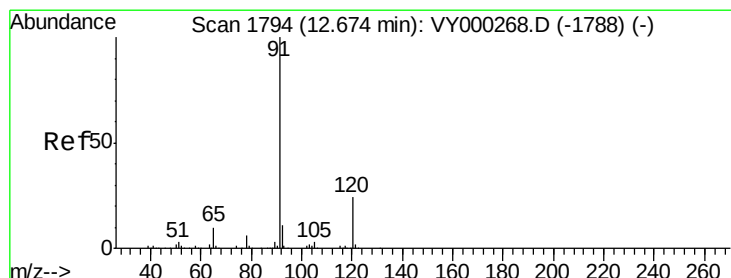
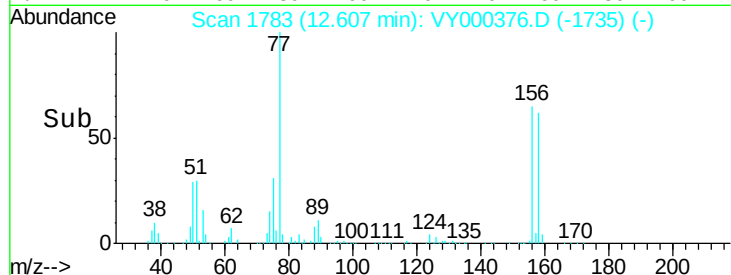
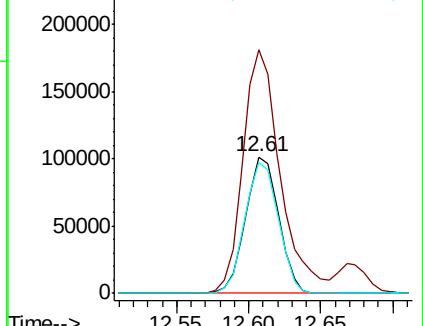
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.509 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000376.D

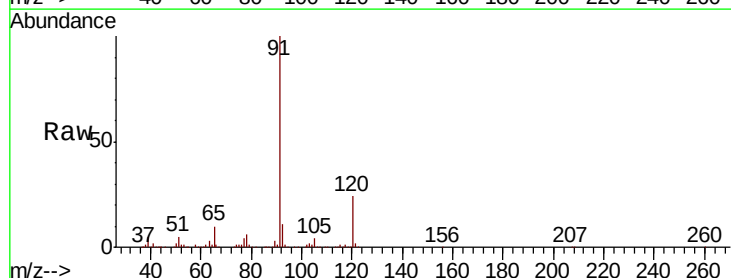
Acq: 23 Oct 2019 13:05

Tgt Ion: 91 Resp: 889651

Ion Ratio Lower Upper

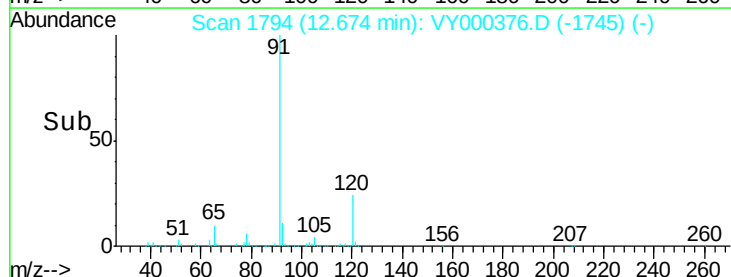
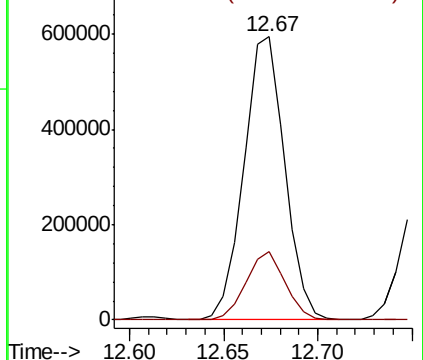
91 100

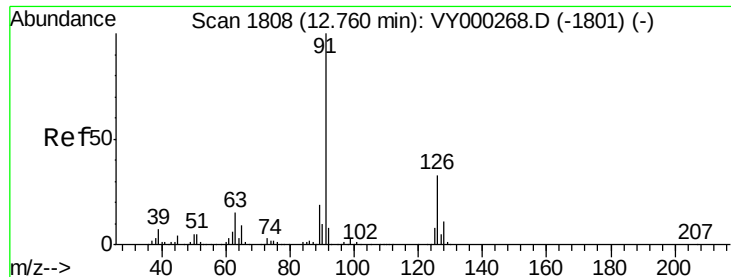
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.082 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 496782

Ion Ratio Lower Upper

91 100

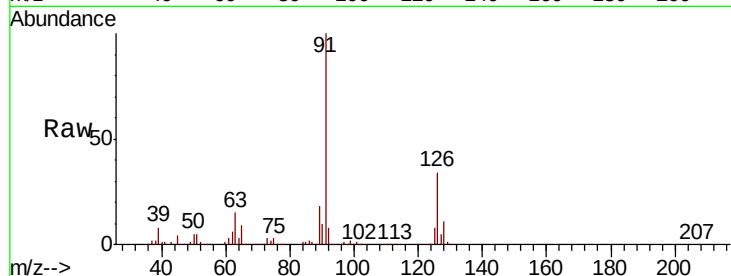
126 34.3 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000268.D (-1801) (-)

600000

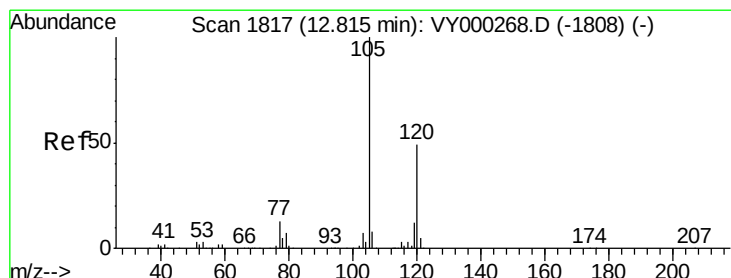
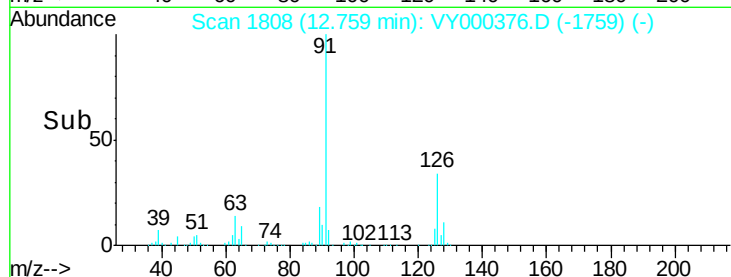
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.261 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000376.D

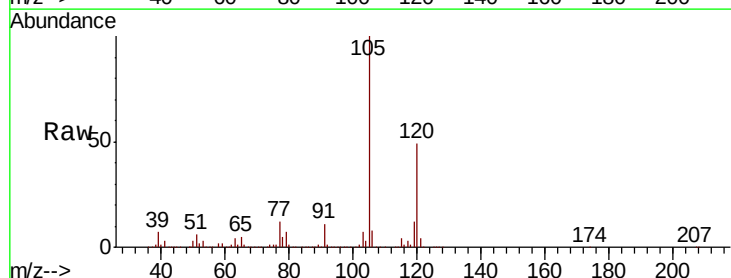
Acq: 23 Oct 2019 13:05

Tgt Ion: 105 Resp: 618336

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)

500000

400000

300000

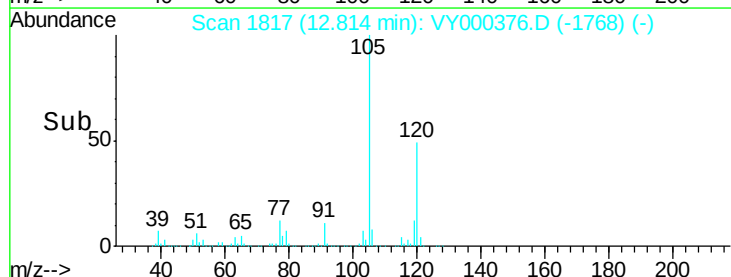
200000

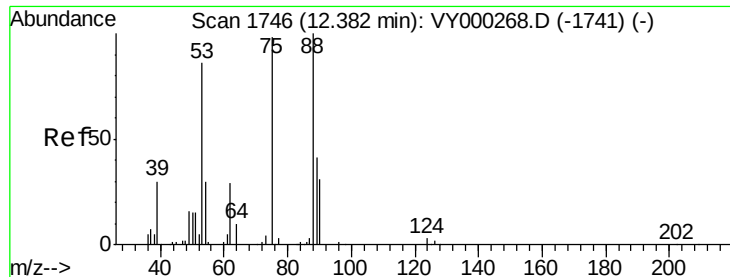
100000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.191 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 56188

Ion Ratio Lower Upper

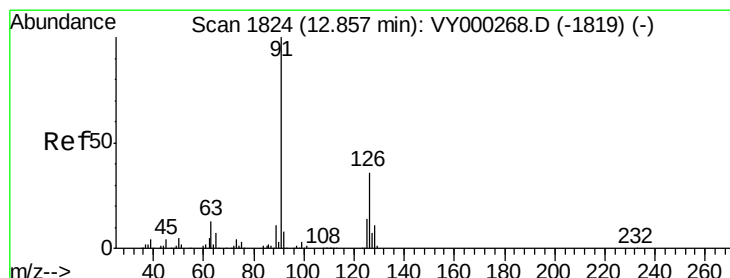
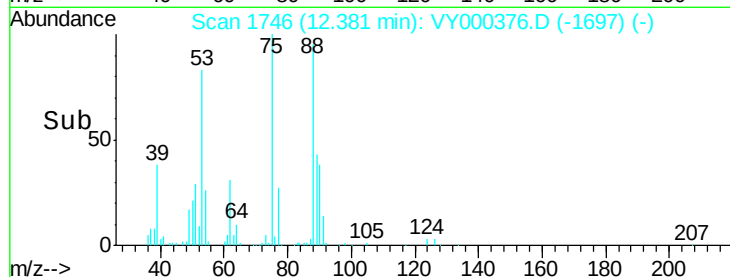
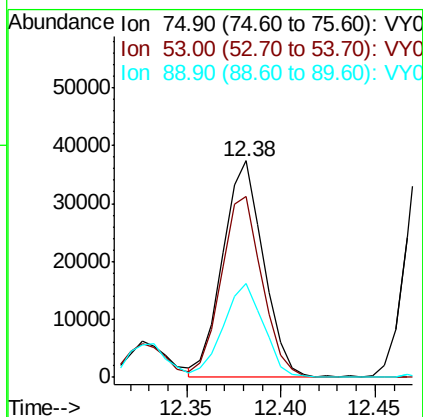
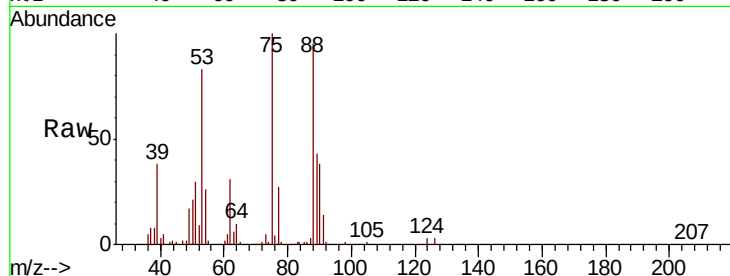
75 100

53 83.4 71.3 106.9

89 42.8 35.1 52.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.558 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY000376.D

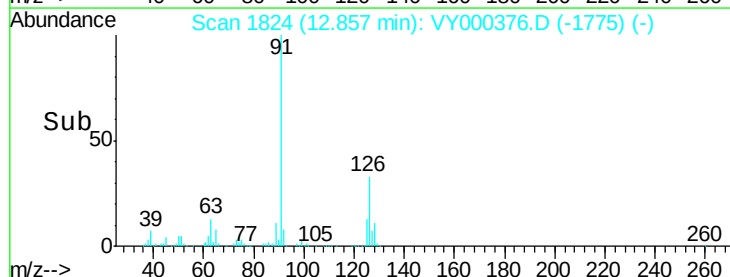
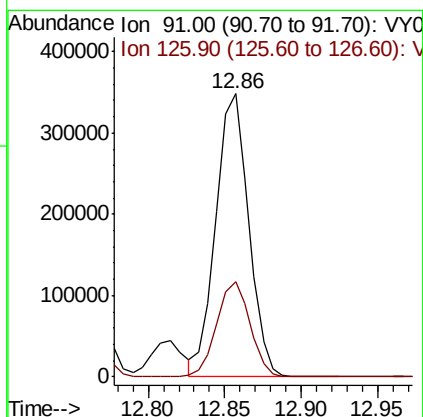
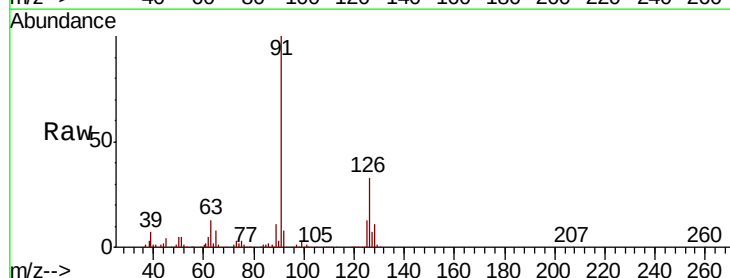
Acq: 23 Oct 2019 13:05

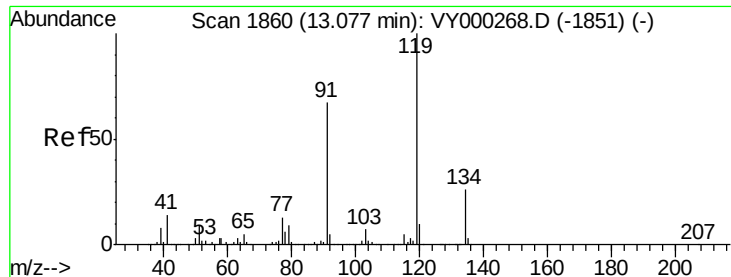
Tgt Ion: 91 Resp: 519843

Ion Ratio Lower Upper

91 100

126 34.1 17.2 51.5





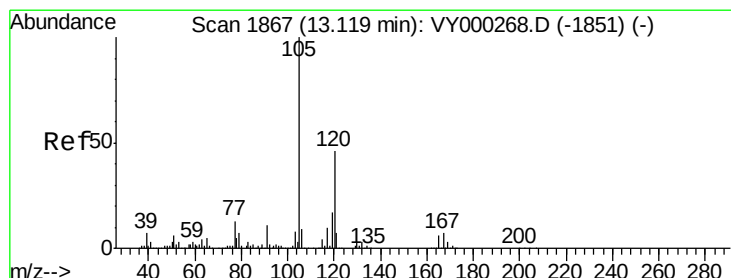
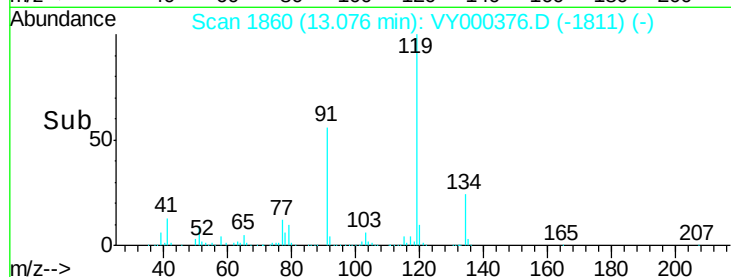
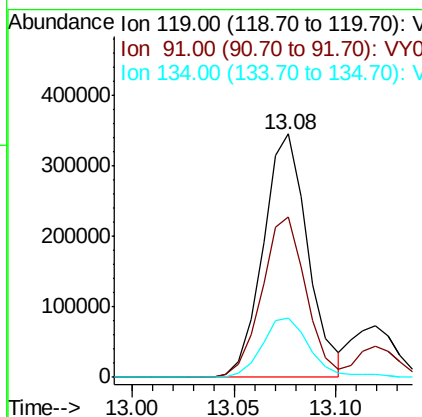
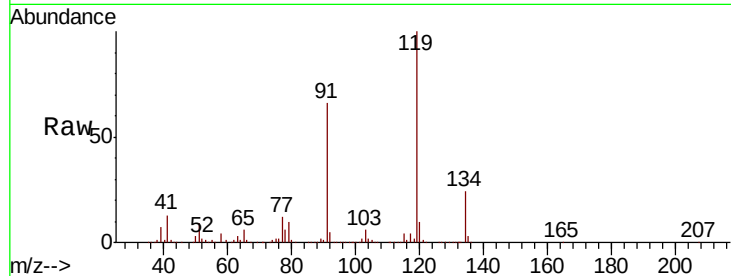
#83
 tert-Butylbenzene
 Concen: 51.650 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	527604		
91	64.9		32.9	98.7
134	26.3		13.3	39.8

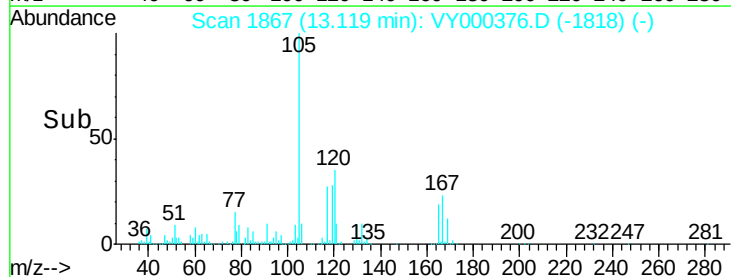
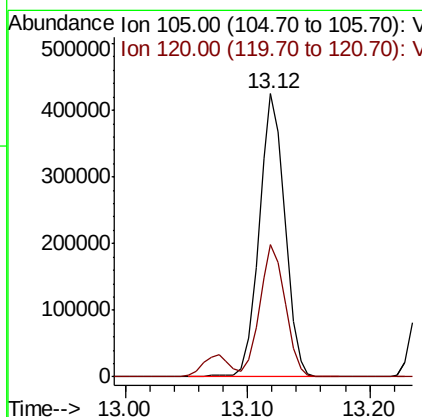
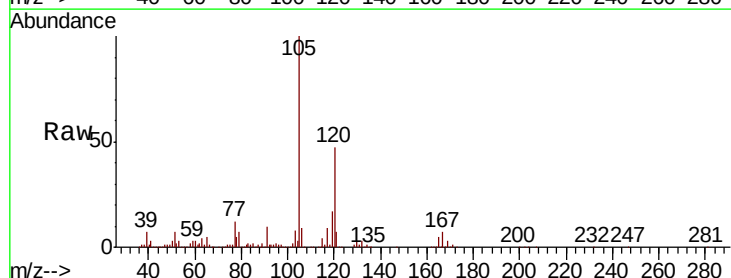
Manual Integrations
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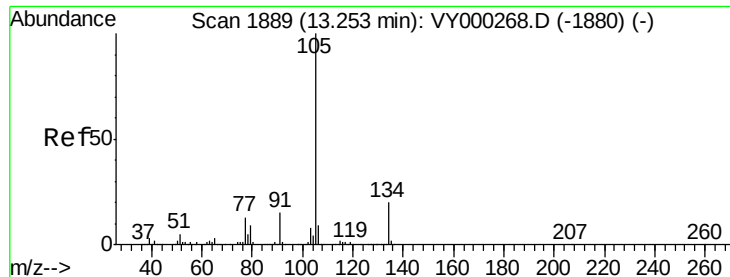
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.311 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	622767		
120	46.2		22.9	68.8





#85

sec-Butylbenzene

Concen: 51.482 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 760763

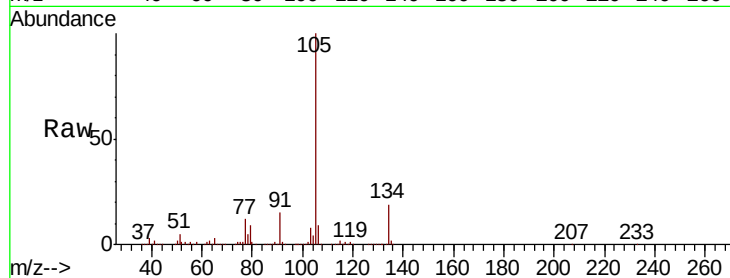
Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

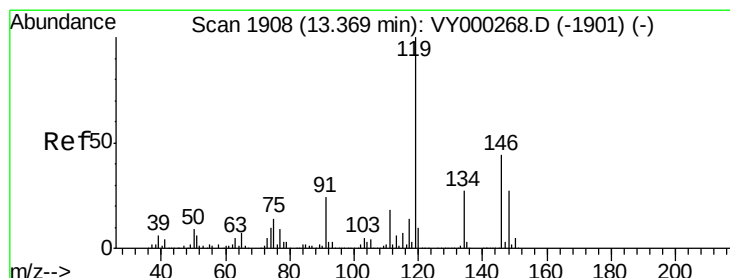
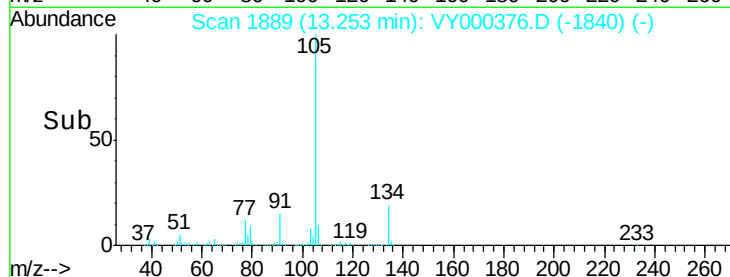
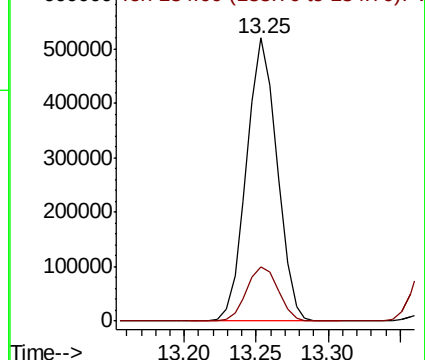
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.627 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000376.D

Acq: 23 Oct 2019 13:05

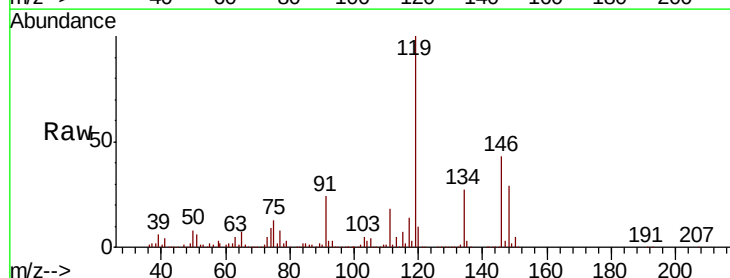
Tgt Ion:119 Resp: 677991

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

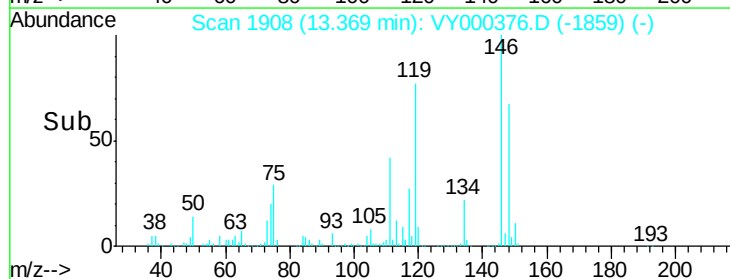
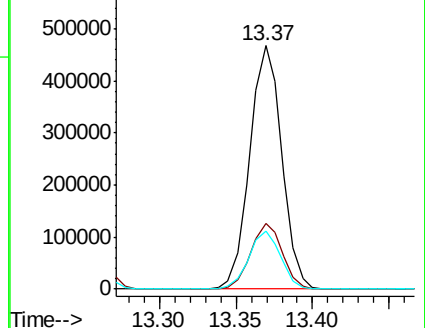
91 23.6 12.0 36.1

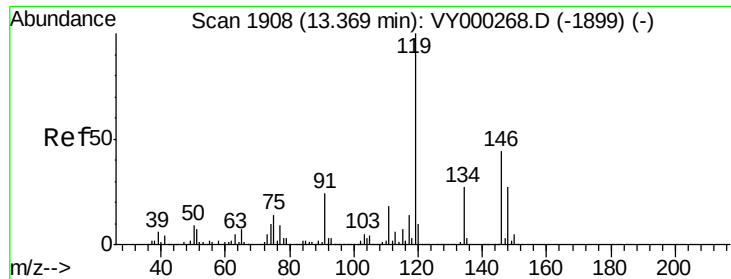


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





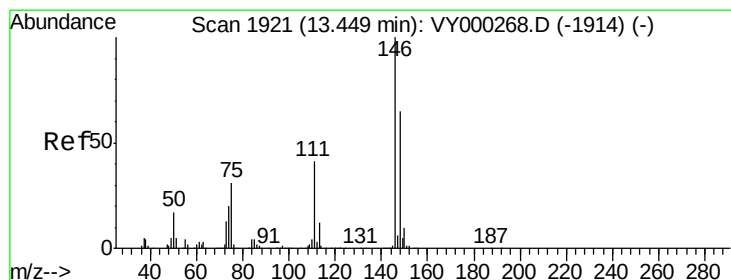
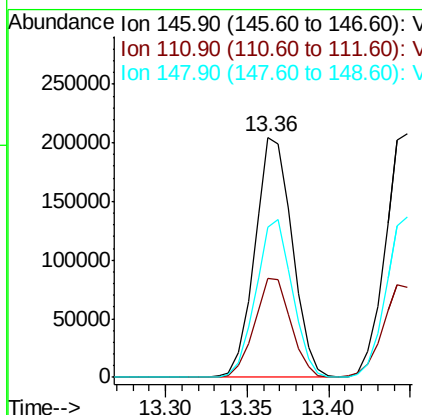
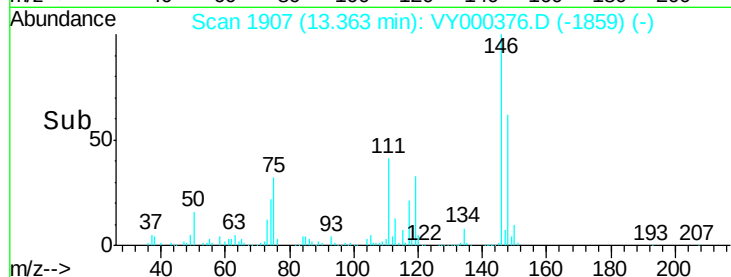
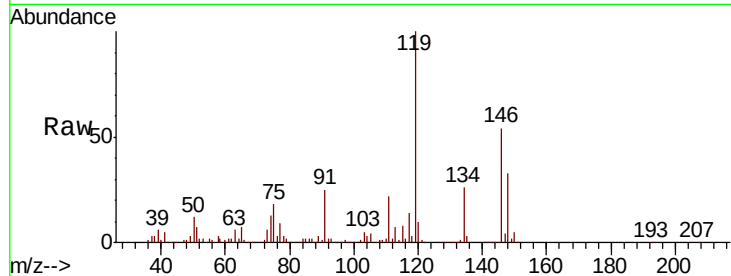
#87
 1,3-Dichlorobenzene
 Concen: 51.326 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	64.1	31.9	95.5

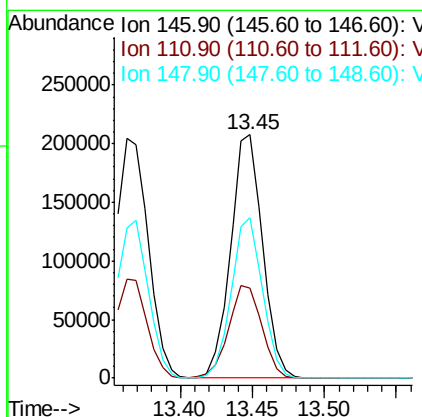
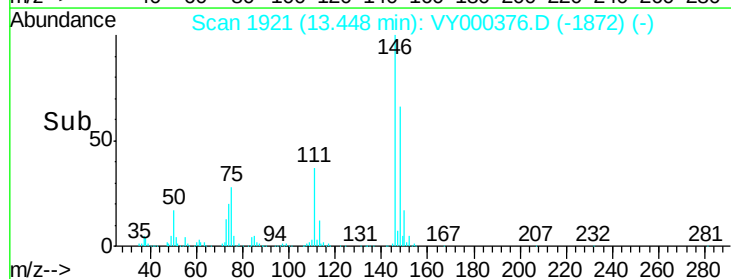
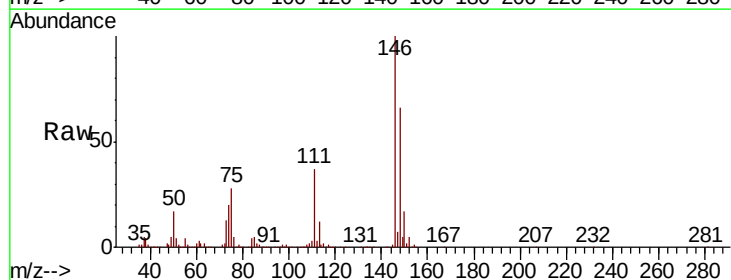
Manual Integrations
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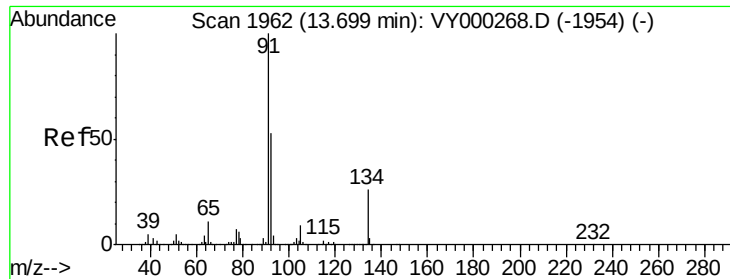
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#88
 1,4-Dichlorobenzene
 Concen: 51.024 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	64.6	32.4	97.2





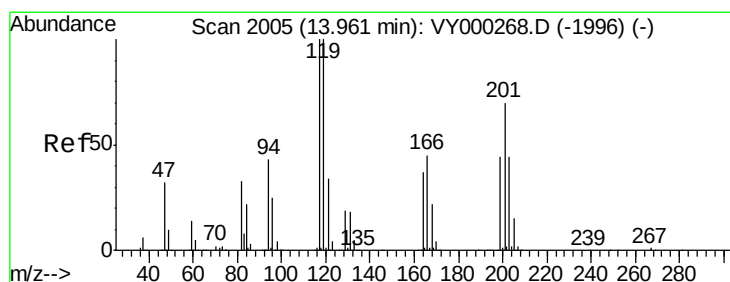
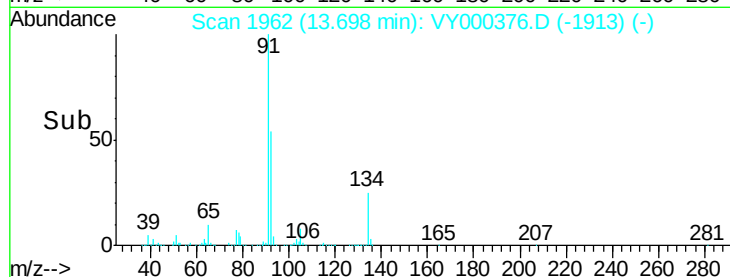
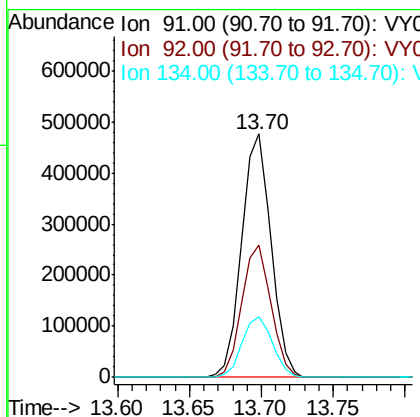
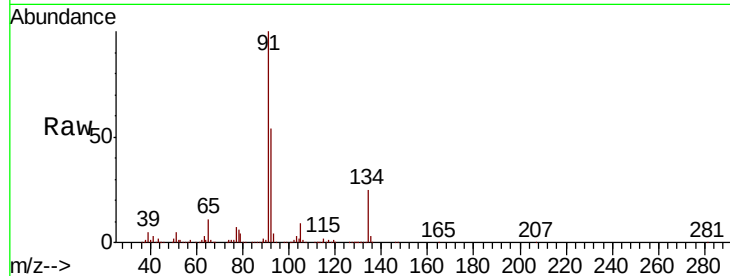
#89
n-Butylbenzene
Concen: 52.883 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.1
134	25.7	13.0	38.9

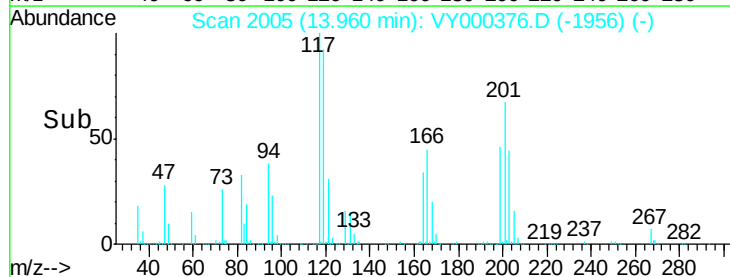
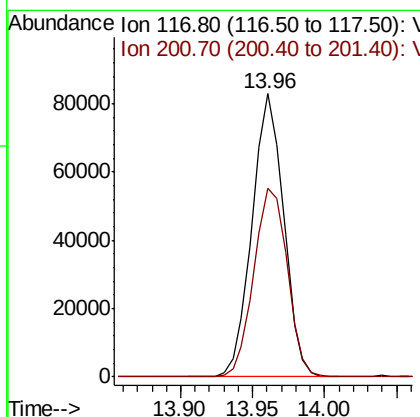
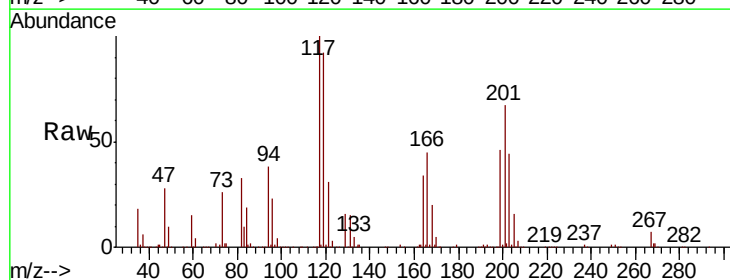
Manual Integrations
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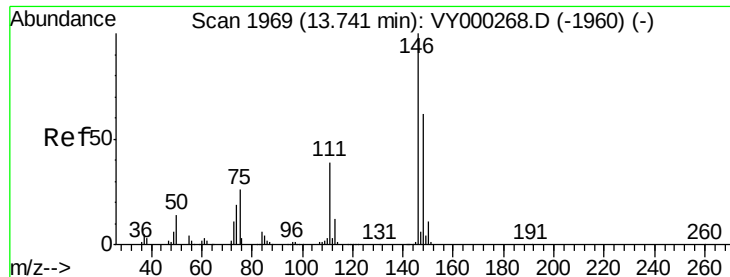
MMDadoda
10/24/2019 4:29:48 PM



#90
Hexachloroethane
Concen: 52.714 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	36.3	108.7





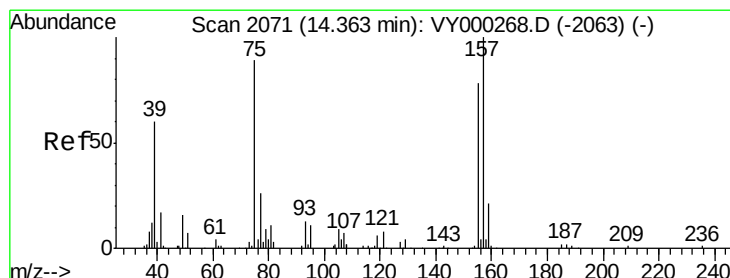
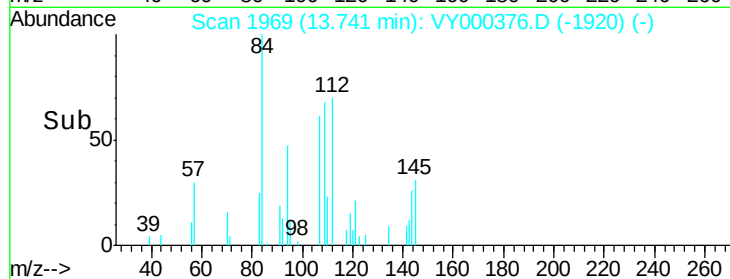
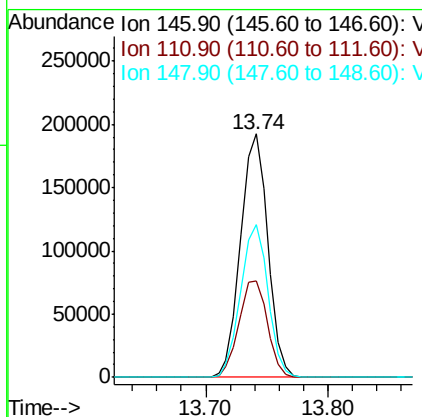
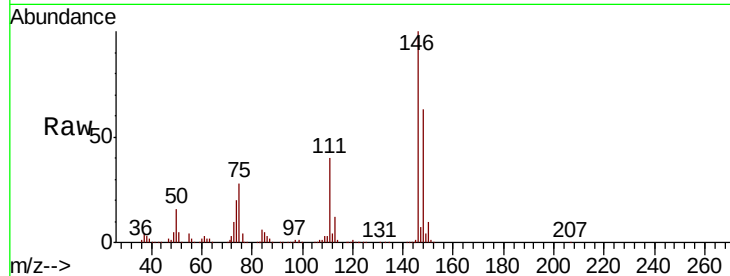
#91
 1,2-Dichlorobenzene
 Concen: 52.165 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.5
148	63.4	31.6	95.0

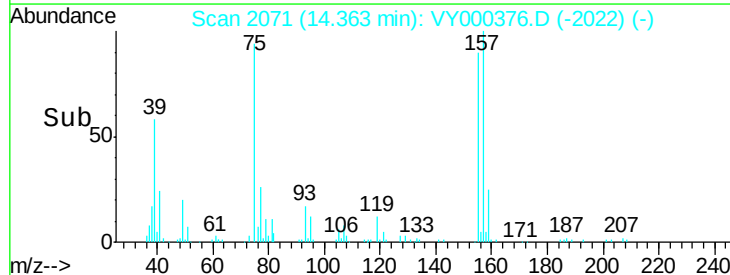
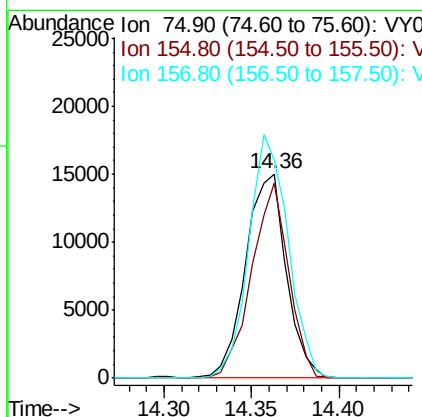
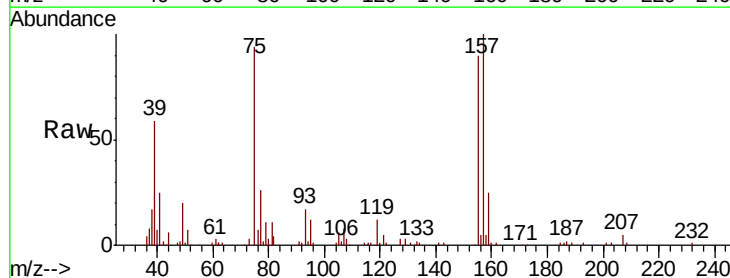
Manual Integrations
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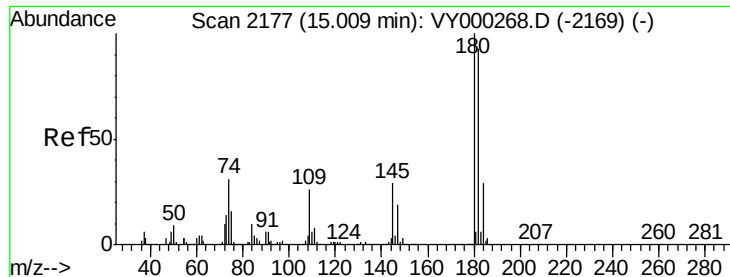
MMDadoda
 10/24/2019 4:29:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.897 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	45.8	137.3
157	115.1	55.6	166.9





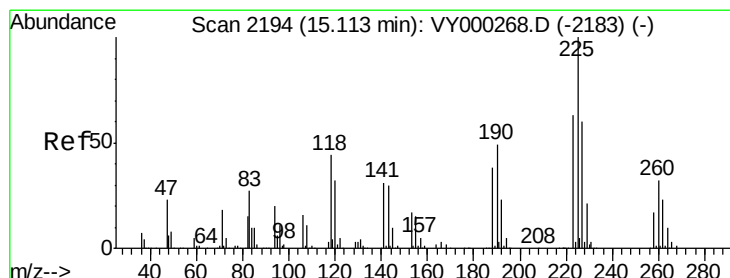
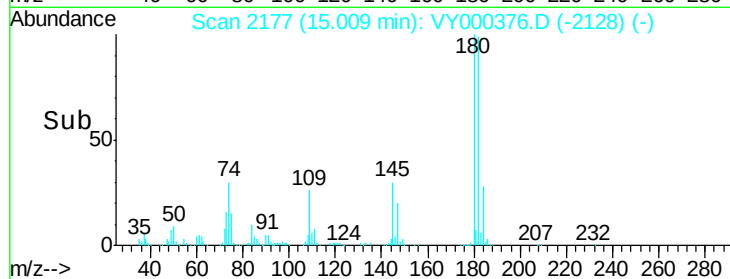
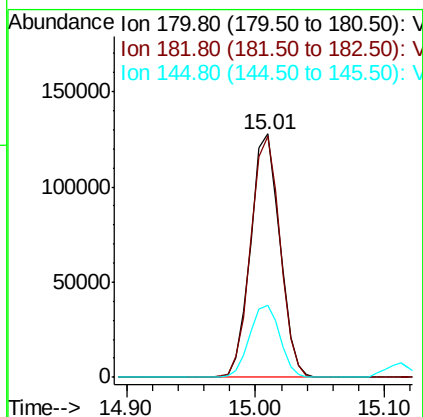
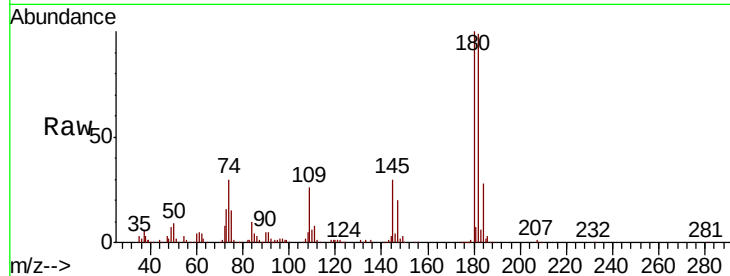
#93
 1,2,4-Trichlorobenzene
 Concen: 50.194 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199467		
182	99.2	47.5	142.6	
145	30.8	15.4	46.1	

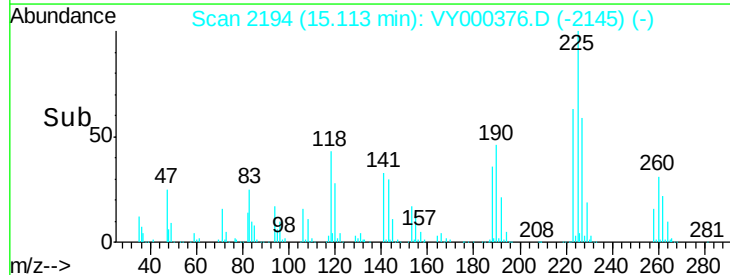
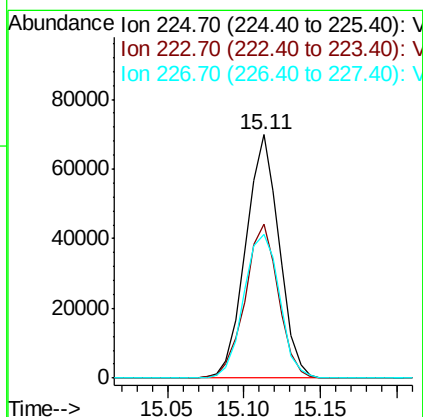
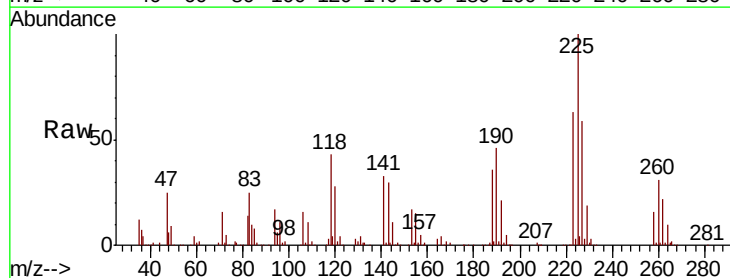
Manual Integrations
 APPROVED

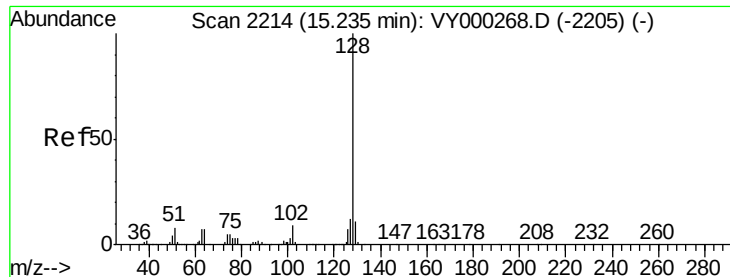
MMDadoda
 10/24/2019 4:29:48 PM



#94
 Hexachlorobutadiene
 Concen: 49.289 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000376.D
 Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105999		
223	63.0	31.9	95.7	
227	63.3	31.4	94.2	





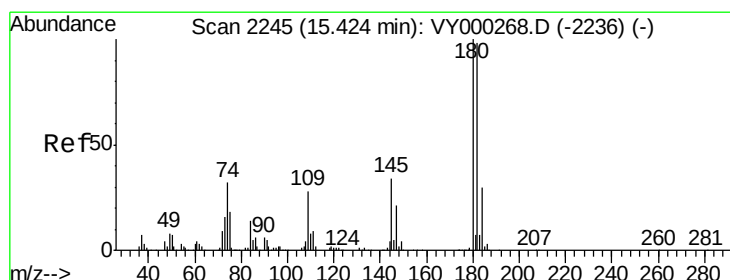
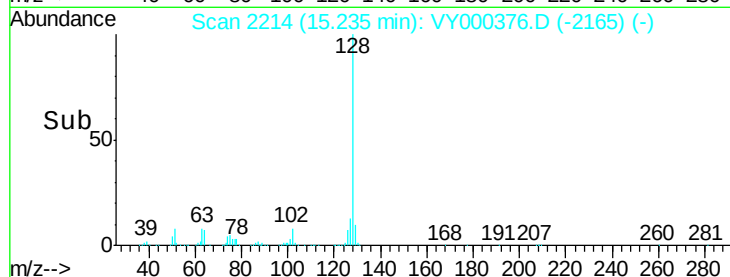
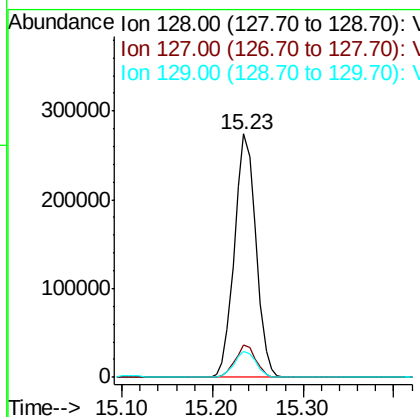
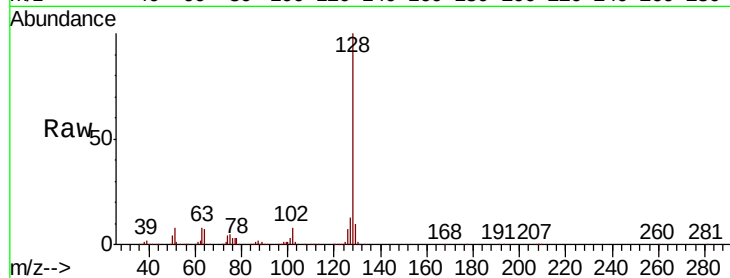
#95
Naphthalene
Concen: 50.890 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	451305		
127	12.6		9.6	14.4
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:29:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.694 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000376.D
Acq: 23 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	181559		
182	96.2		46.5	139.5
145	31.9		16.2	48.5

