

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000311.D
 Acq On : 15 Oct 2019 11:23
 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
 10/18/2019 12:40:18 AM

Quant Time: Oct 15 17:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	336124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	564756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	506705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248186	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	183009	51.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.24%	
35) Dibromofluoromethane	7.73	113	166731	48.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.88%	
50) Toluene-d8	10.19	98	685121	52.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.48	95	252132	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	124991	46.800	ug/l	95
3) Chloromethane	2.11	50	190051	46.271	ug/l	96
4) Vinyl Chloride	2.26	62	192862	46.527	ug/l	96
5) Bromomethane	2.65	94	127699	41.568	ug/l	98
6) Chloroethane	2.80	64	127113	47.526	ug/l	99
7) Trichlorofluoromethane	3.13	101	271476	47.878	ug/l	98
8) Diethyl Ether	3.54	74	101883	50.863	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	168168	48.905	ug/l	98
10) Methyl Iodide	4.10	142	238941	48.813	ug/l	100
11) Tert butyl alcohol	4.97	59	83257	224.383	ug/l	99
12) 1,1-Dichloroethene	3.88	96	166305	48.989	ug/l	98
13) Acrolein	3.74	56	109731	252.246	ug/l	97
14) Allyl chloride	4.49	41	288627	51.305	ug/l	98
15) Acrylonitrile	5.18	53	265533	236.835	ug/l	97
16) Acetone	3.96	43	265226	230.991	ug/l	95
17) Carbon Disulfide	4.20	76	506511	47.388	ug/l	99
18) Methyl Acetate	4.49	43	125786	44.091	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	480789	50.876	ug/l	98
20) Methylene Chloride	4.72	84	194268	50.242	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	190438	48.895	ug/l	97
22) Diisopropyl ether	6.13	45	629360	52.894	ug/l	95
23) Vinyl Acetate	6.07	43	2007851	258.662	ug/l	100
24) 1,1-Dichloroethane	6.03	63	330715	50.921	ug/l	99
25) 2-Butanone	7.00	43	405174	250.500	ug/l	98
26) 2,2-Dichloropropane	6.99	77	302786	50.594	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	215027	51.021	ug/l	99
28) Bromochloromethane	7.35	49	141640	50.802	ug/l	99
29) Tetrahydrofuran	7.36	42	235486	240.232	ug/l	99
30) Chloroform	7.52	83	330921	50.595	ug/l	99
31) Cyclohexane	7.79	56	325307	47.957	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	291378	50.109	ug/l	99
36) 1,1-Dichloropropene	7.93	75	265152	47.954	ug/l	98
37) Ethyl Acetate	7.08	43	154003	47.038	ug/l	100
38) Carbon Tetrachloride	7.91	117	254415	47.522	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	349635	48.313	ug/l	97
40) Benzene	8.17	78	779557	48.786	ug/l	99
41) Methacrylonitrile	7.33	41	94132m	60.401	ug/l	
42) 1,2-Dichloroethane	8.25	62	224984	49.291	ug/l	98
43) Isopropyl Acetate	8.28	43	302243	48.551	ug/l	99
44) Trichloroethene	8.95	130	208258	46.450	ug/l	97
45) 1,2-Dichloropropane	9.22	63	197748	50.429	ug/l	94
46) Dibromomethane	9.31	93	107036	48.828	ug/l	96
47) Bromodichloromethane	9.50	83	259318	50.196	ug/l	100
48) Methyl methacrylate	9.30	41	131613	48.241	ug/l	97
49) 1,4-Dioxane	9.31	88	27725	843.532	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	800551	249.328	ug/l	98
52) Toluene	10.25	92	499634	49.249	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	280593	50.680	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	321539	51.139	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	156851	49.212	ug/l	96
56) Ethyl methacrylate	10.52	69	233914	51.489	ug/l	99
57) 1,3-Dichloropropane	10.80	76	276990	50.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	459084	253.352	ug/l	98
59) 2-Hexanone	10.84	43	609613	270.491	ug/l	99
60) Dibromochloromethane	10.99	129	178639	50.568	ug/l	98
61) 1,2-Dibromoethane	11.09	107	151305	49.442	ug/l	100
64) Tetrachloroethene	10.72	164	222503	46.125	ug/l	95
65) Chlorobenzene	11.52	112	522672	48.877	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	186951	49.768	ug/l	100
67) Ethyl Benzene	11.59	91	980271	49.449	ug/l	99
68) m/p-Xylenes	11.70	106	736371	97.168	ug/l	95
69) o-Xylene	12.03	106	351856	48.670	ug/l	99
70) Styrene	12.05	104	616104	50.532	ug/l	99
71) Bromoform	12.21	173	108316	50.159	ug/l #	100
73) Isopropylbenzene	12.33	105	963799	49.804	ug/l	100
74) N-amyl acetate	12.14	43	279202	58.769	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	183139	50.404	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	147333m	48.277	ug/l	
77) Bromobenzene	12.61	156	208010	48.304	ug/l	97
78) n-propylbenzene	12.67	91	1156858	49.790	ug/l	99
79) 2-Chlorotoluene	12.76	91	648463	50.536	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	811405	50.003	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	69937	50.140	ug/l	98
82) 4-Chlorotoluene	12.86	91	690455	50.904	ug/l	99
83) tert-Butylbenzene	13.08	119	676386	49.221	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	799526	49.922	ug/l	100
85) sec-Butylbenzene	13.25	105	998242	50.215	ug/l	100
86) p-Isopropyltoluene	13.37	119	866492	49.997	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	411719	48.526	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	413468	48.756	ug/l	100
89) n-Butylbenzene	13.70	91	859801	50.203	ug/l	98
90) Hexachloroethane	13.96	117	161923	50.456	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	374800	48.813	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	32291	46.859	ug/l	97

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QLast Update : Mon Oct 14 08:10:23 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	252624	47.255	ug/l	100
94) Hexachlorobutadiene	15.11	225	128573	44.442	ug/l	99
95) Naphthalene	15.23	128	571358	47.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	227697	47.259	ug/l	99

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

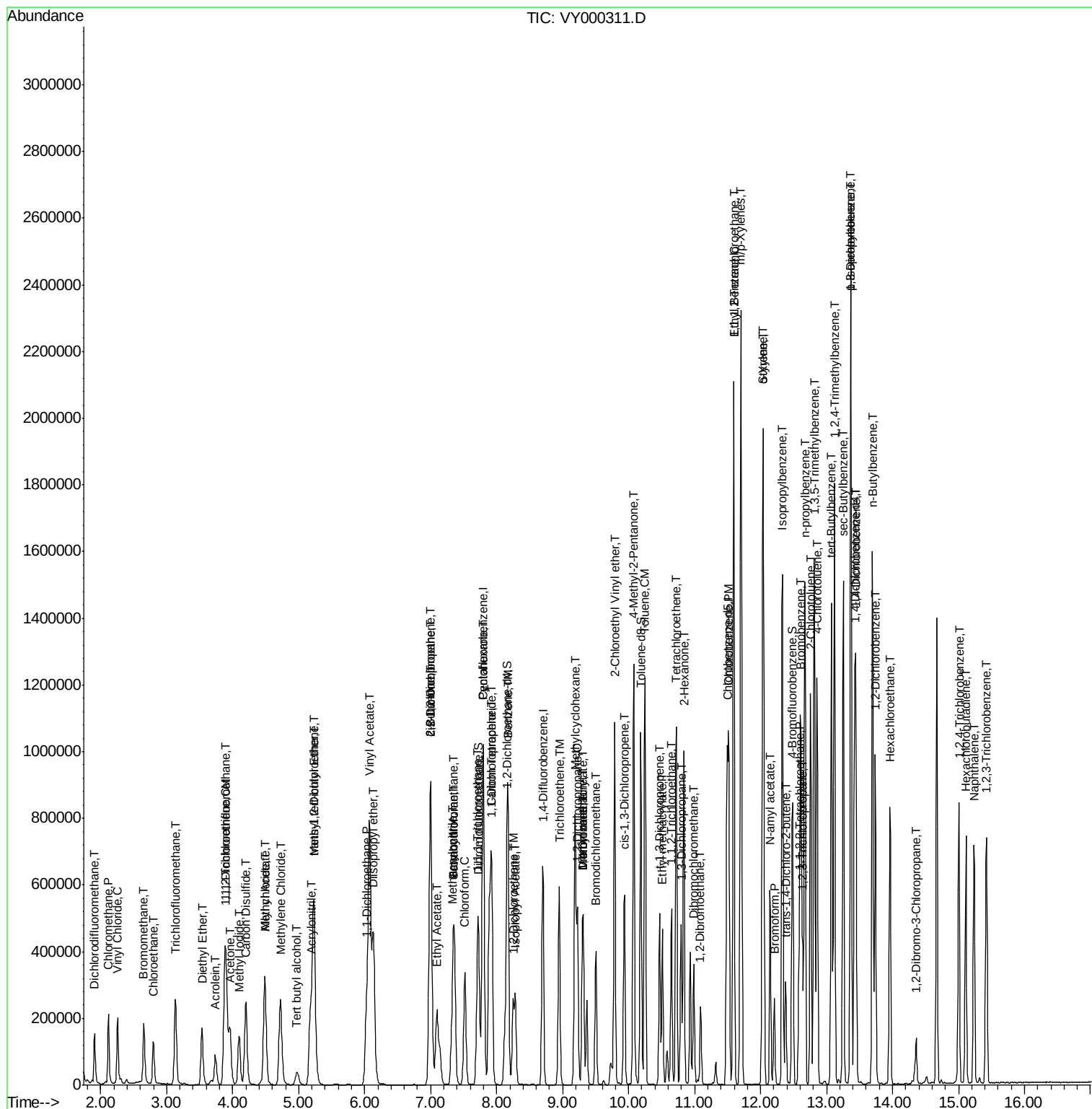
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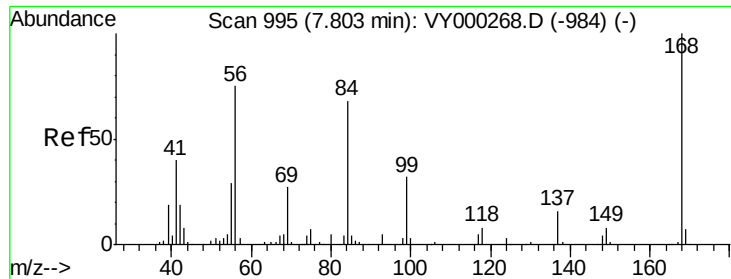
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 336124

Ion Ratio Lower Upper

168 100

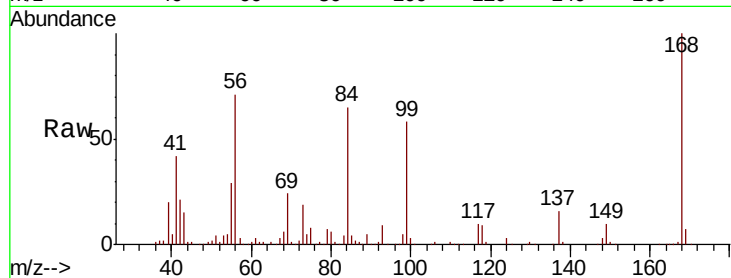
99 57.9 46.6 69.8

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

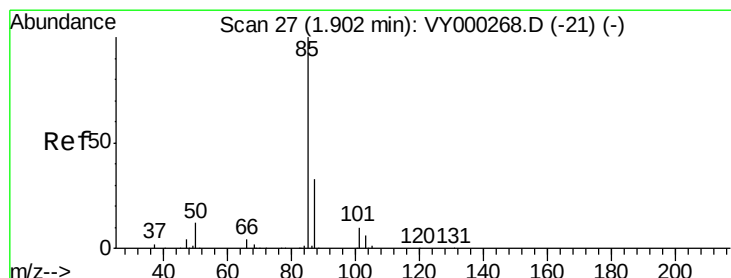
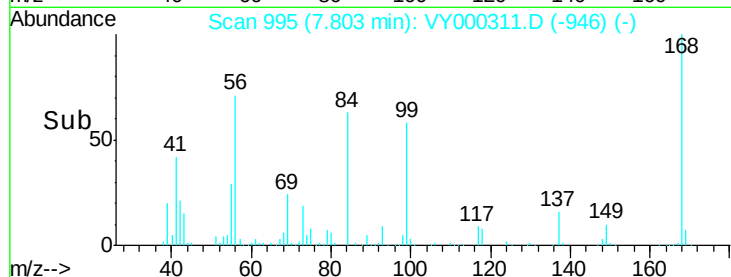
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.800 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000311.D

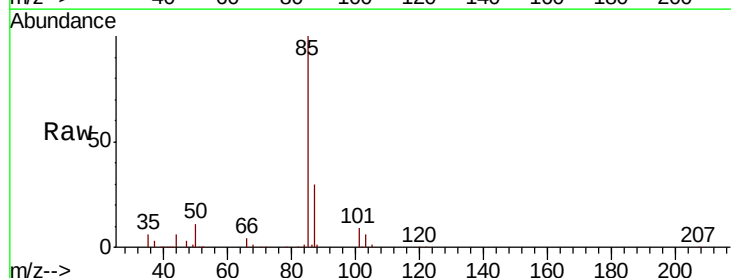
Acq: 15 Oct 2019 11:23

Tgt Ion: 85 Resp: 124991

Ion Ratio Lower Upper

85 100

87 30.1 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) (-)

1.91

80000

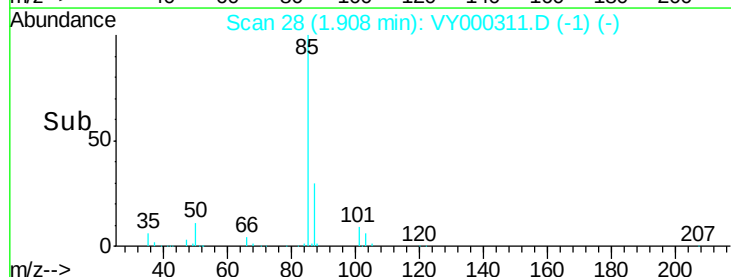
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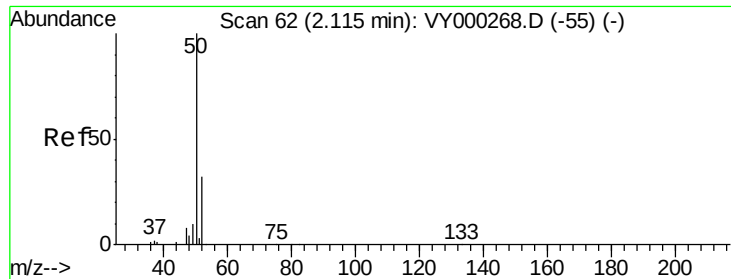
40000

20000

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Time-->





#3

Chloromethane

Concen: 46.271 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 190051

Ion Ratio Lower Upper

50 100

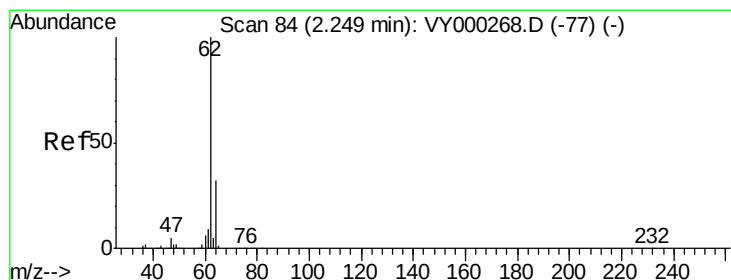
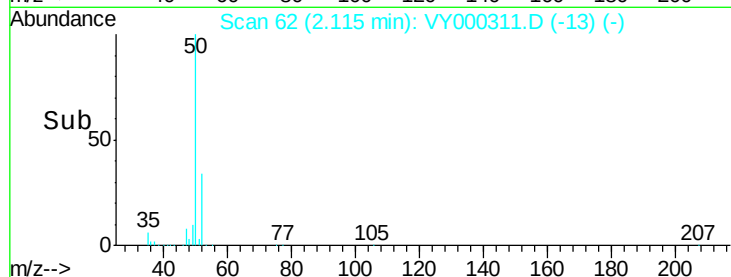
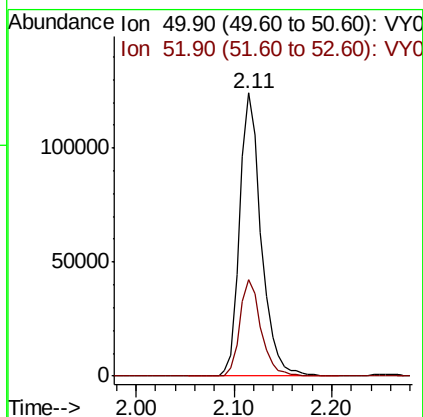
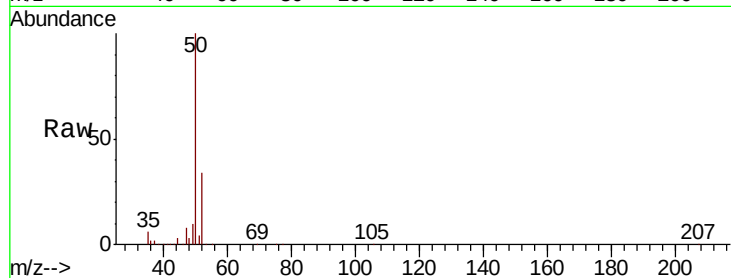
52 33.9 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.527 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000311.D

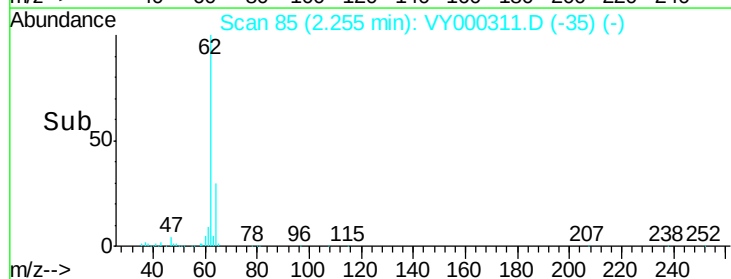
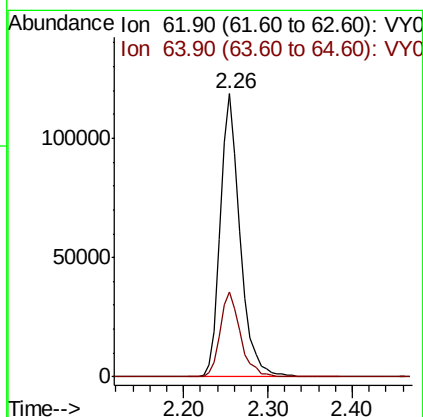
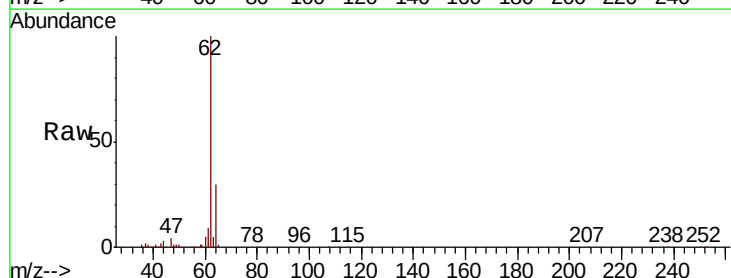
Acq: 15 Oct 2019 11:23

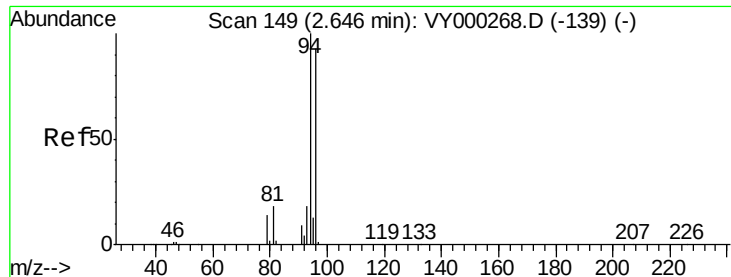
Tgt Ion: 62 Resp: 192862

Ion Ratio Lower Upper

62 100

64 30.0 25.6 38.4





#5

Bromomethane

Concen: 41.568 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 127699

Ion Ratio Lower Upper

94 100

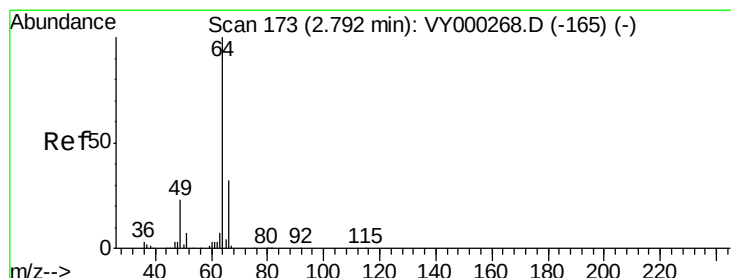
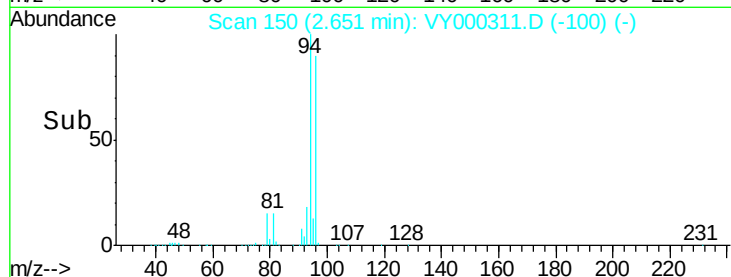
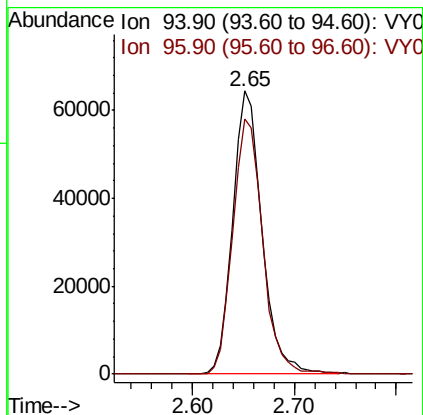
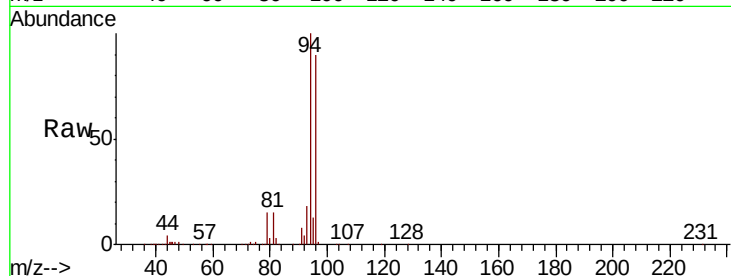
96 90.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 47.526 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000311.D

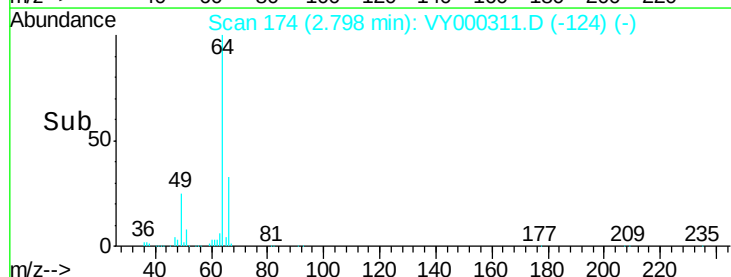
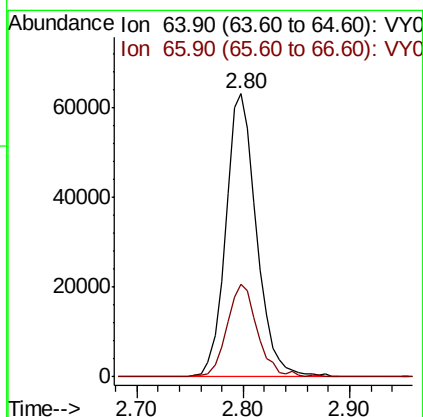
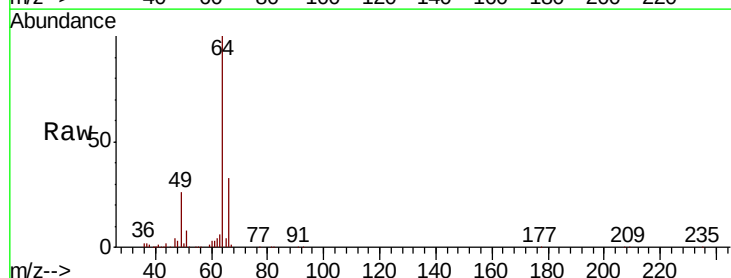
Acq: 15 Oct 2019 11:23

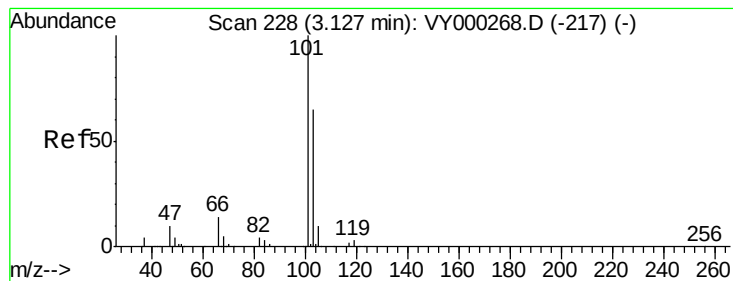
Tgt Ion: 64 Resp: 127113

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

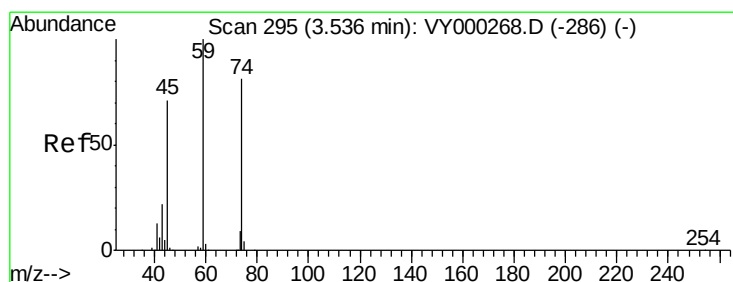
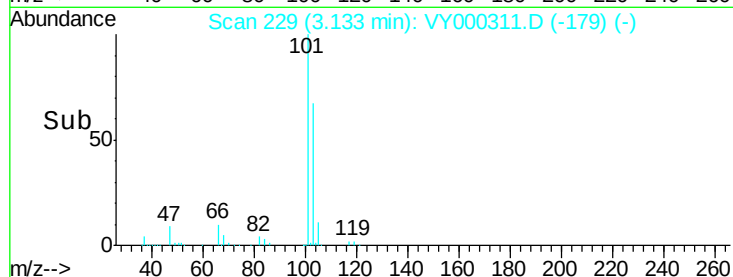
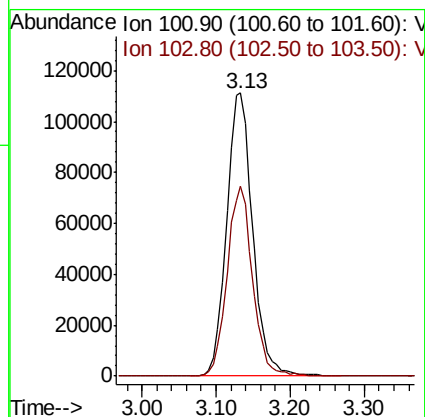
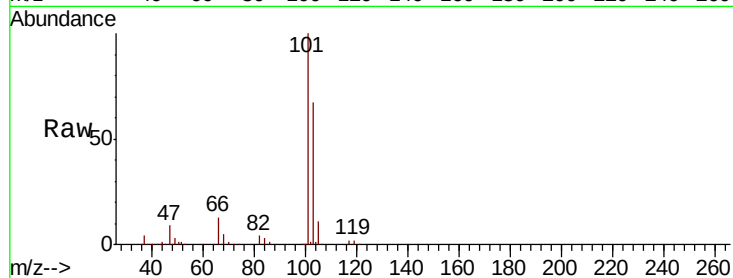
Trichlorofluoromethane
Concen: 47.878 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.2	78.4

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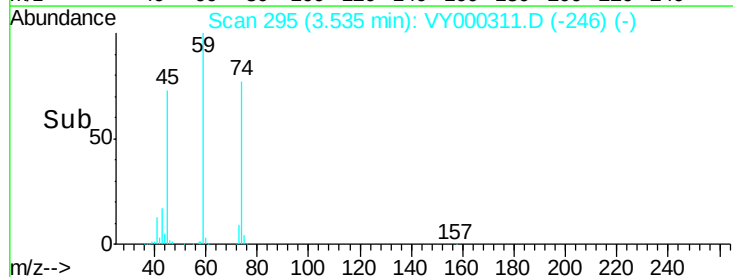
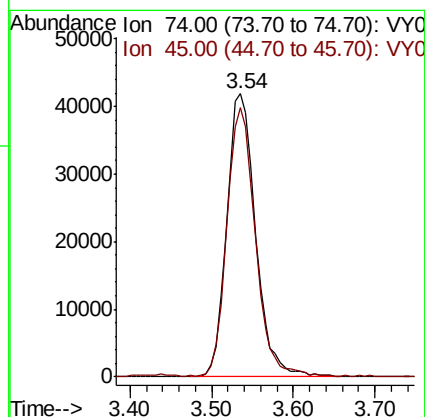
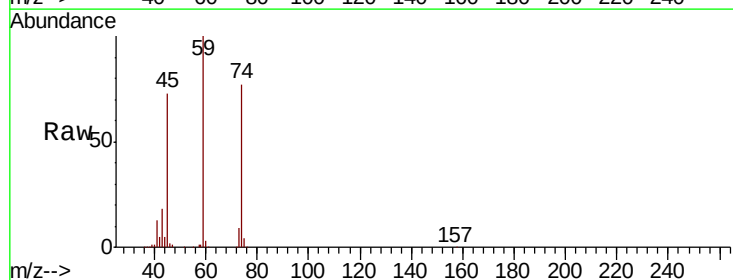
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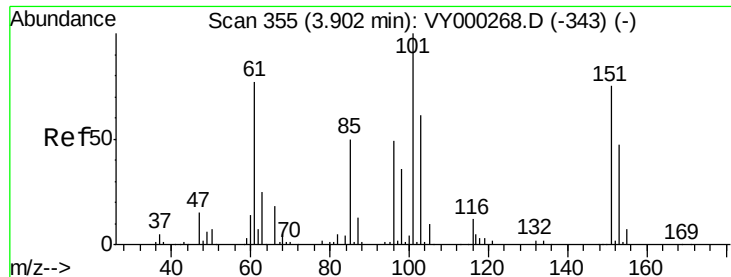


#8

Diethyl Ether
Concen: 50.863 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000311.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	47.1	141.4





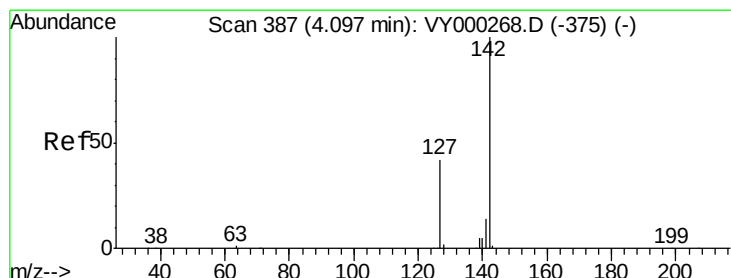
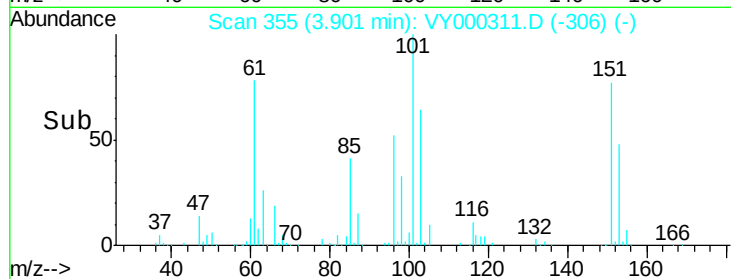
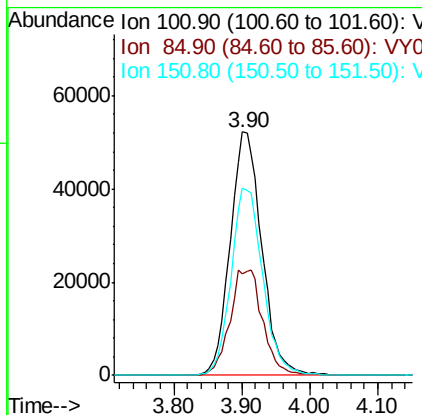
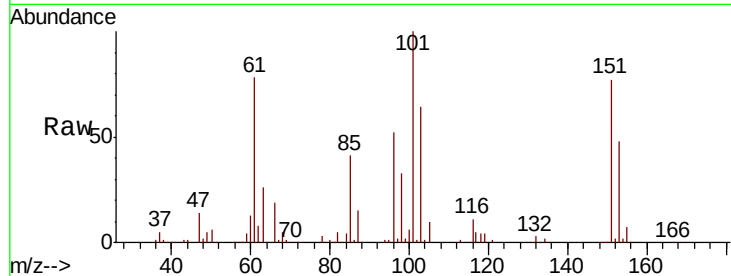
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.905 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	168168		
85	45.0	36.6	55.0	
151	77.1	63.1	94.7	

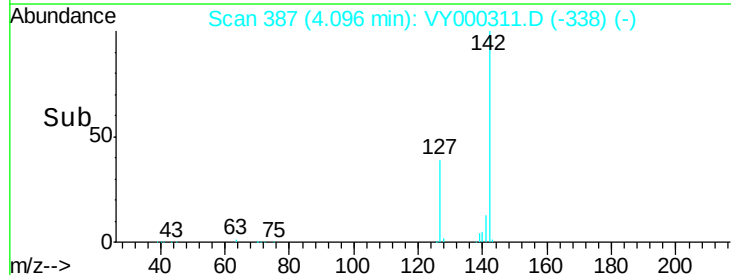
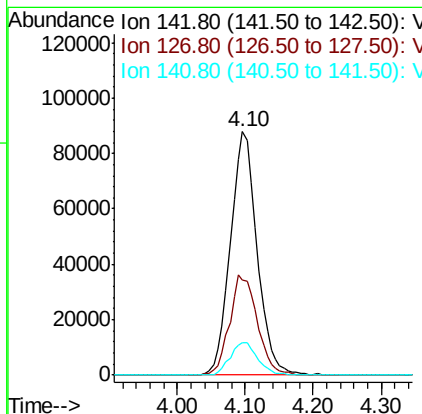
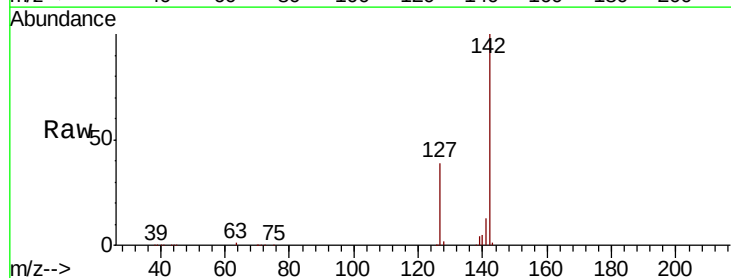
Manual Integrations
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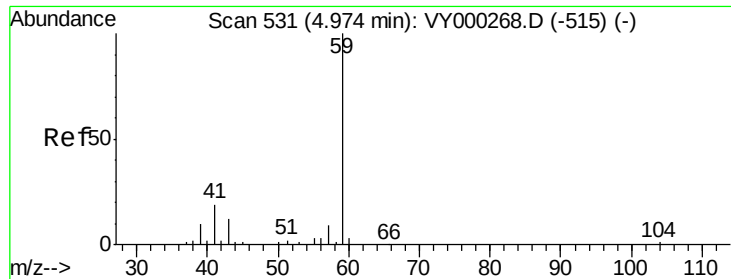
MMDadoda
 10/18/2019 12:40:18 AM



#10
 Methyl Iodide
 Concen: 48.813 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	238941		
127	42.7	33.9	50.9	
141	13.8	11.2	16.8	





#11

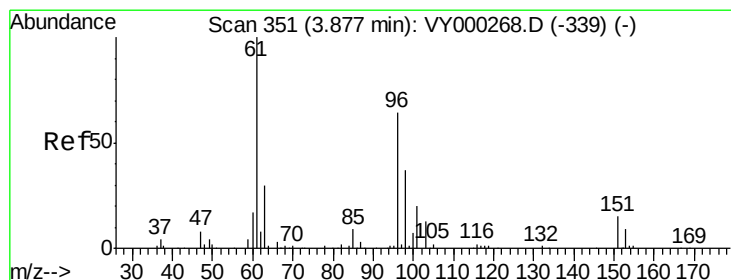
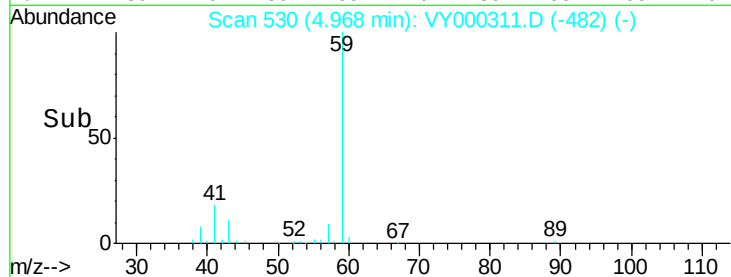
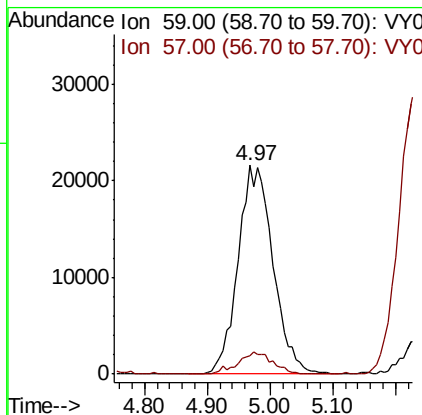
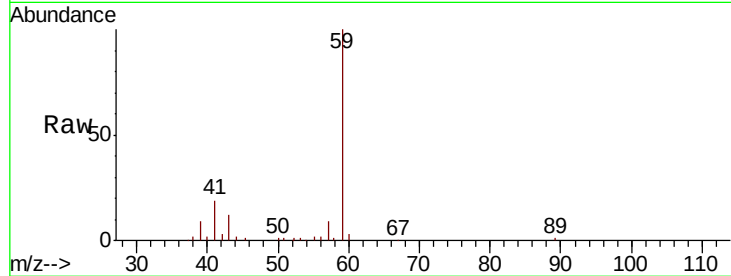
Tert butyl alcohol
Concen: 224.383 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
APPROVED

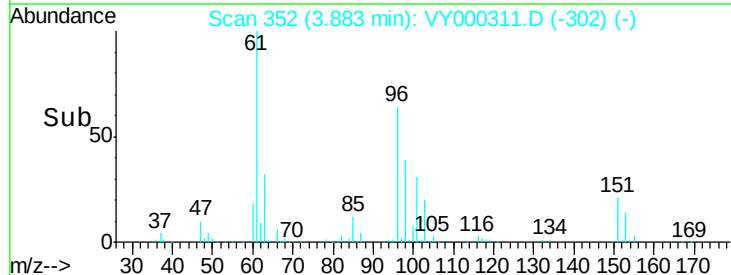
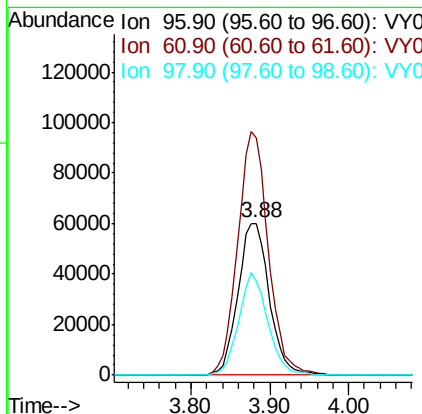
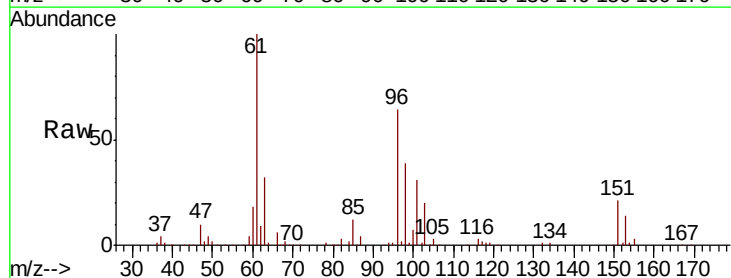
MMDadoda
10/18/2019 12:40:18 AM

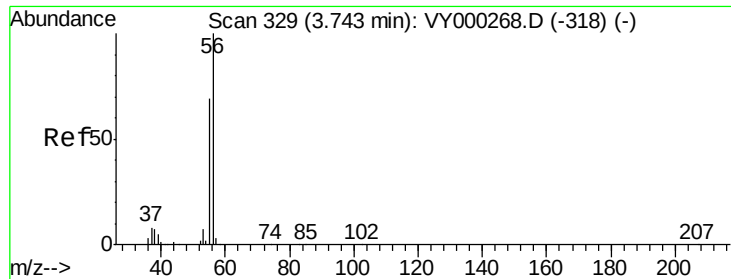


#12

1,1-Dichloroethene
Concen: 48.989 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	125.8	188.6
98	61.8	46.2	69.2





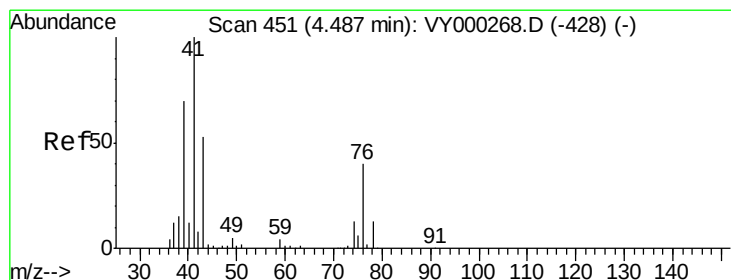
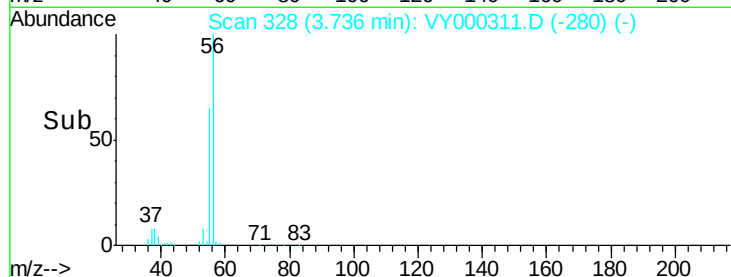
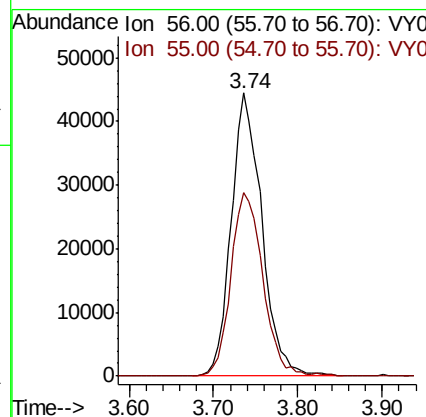
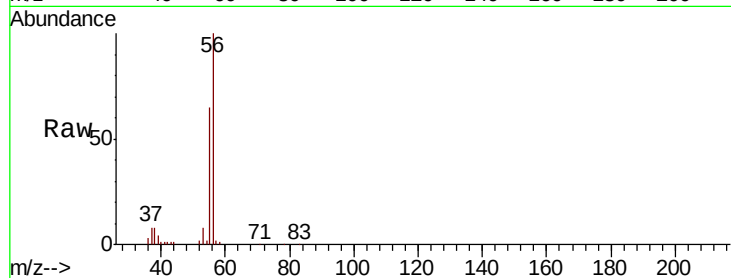
#13
Acrolein
Concen: 252.246 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.0	55.7	83.5

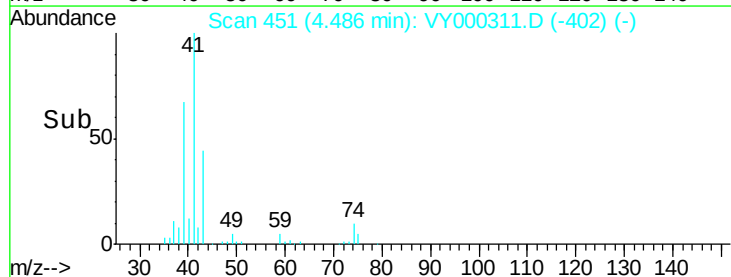
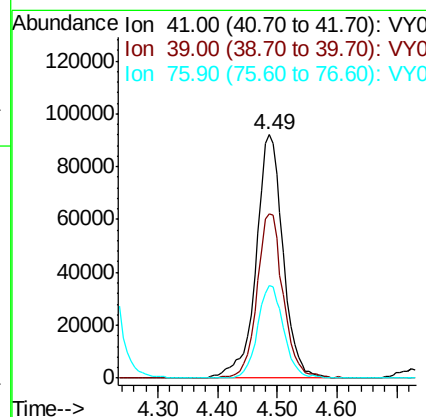
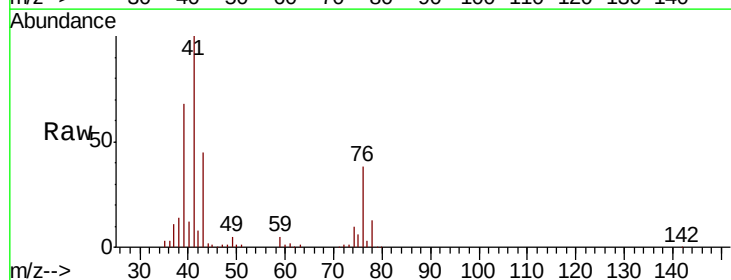
Manual Integrations
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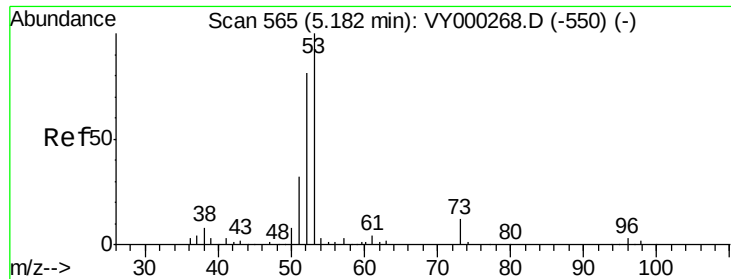
MMDadoda
10/18/2019 12:40:18 AM



#14
Allyl chloride
Concen: 51.305 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.7	54.0	81.0
76	36.7	30.7	46.1





#15

Acrylonitrile

Concen: 236.835 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

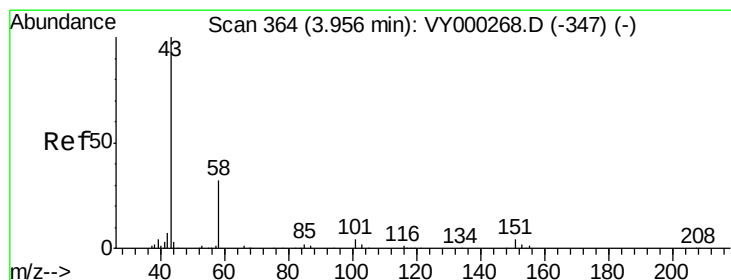
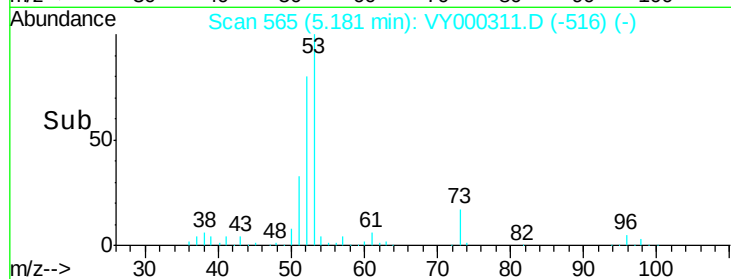
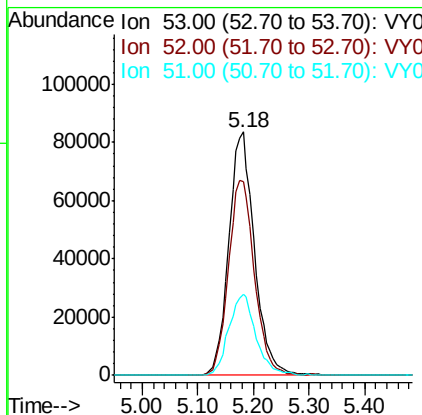
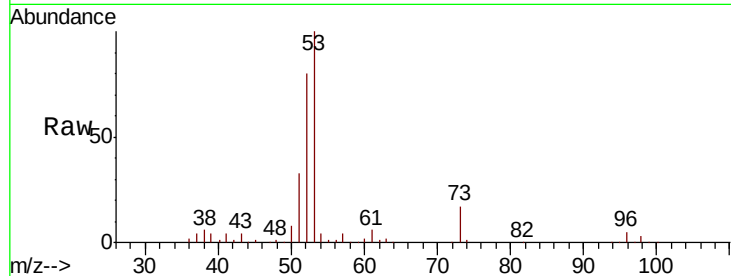
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	265533
Ion Ratio	Lower	Upper	
53	100		
52	81.4	62.9	94.3
51	35.4	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 230.991 ug/l

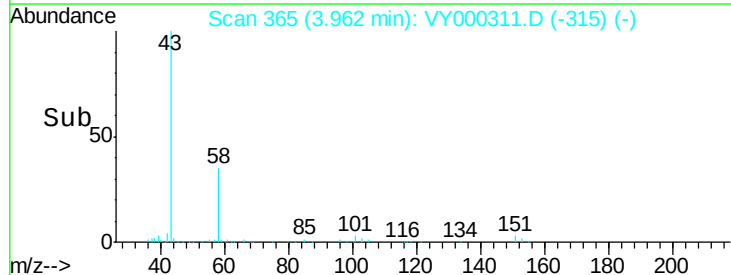
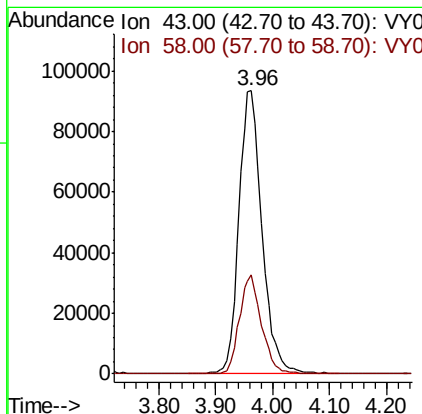
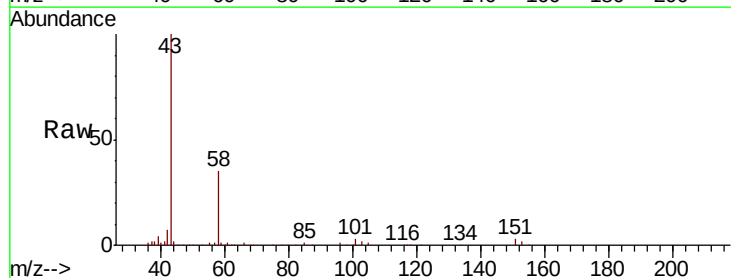
RT: 3.96 min Scan# 365

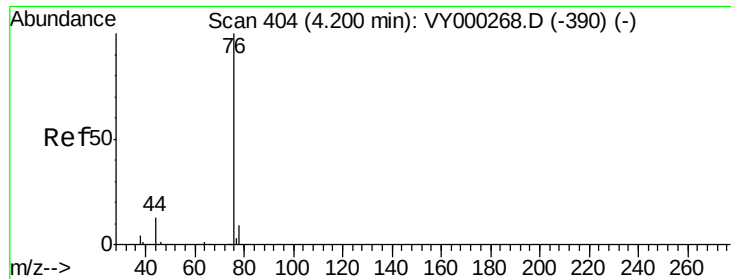
Delta R.T. 0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion:	43	Resp:	265226
Ion Ratio	Lower	Upper	
43	100		
58	34.9	25.8	38.6





#17

Carbon Disulfide

Concen: 47.388 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 506511

Ion Ratio Lower Upper

76 100

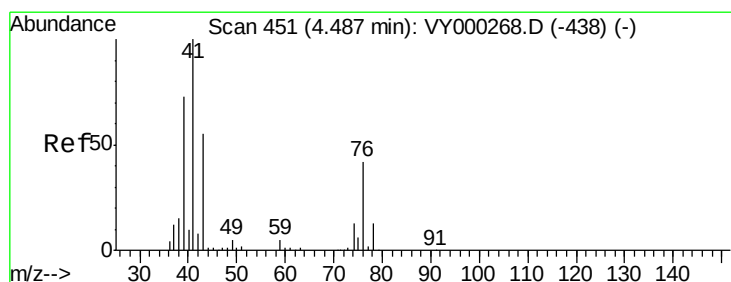
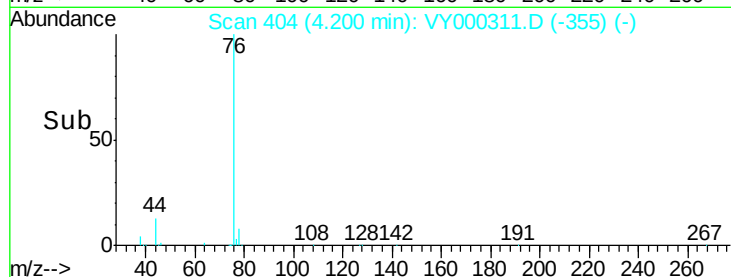
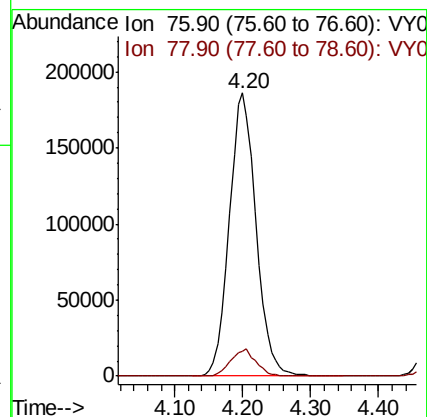
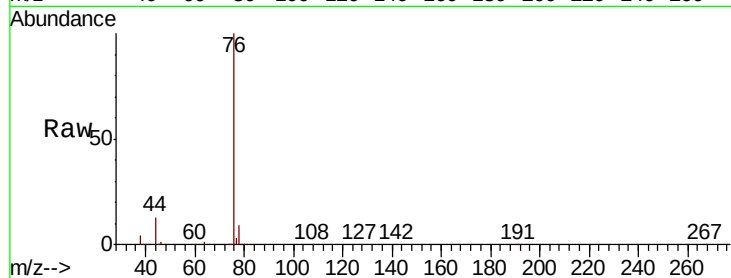
78 8.9 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 44.091 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000311.D

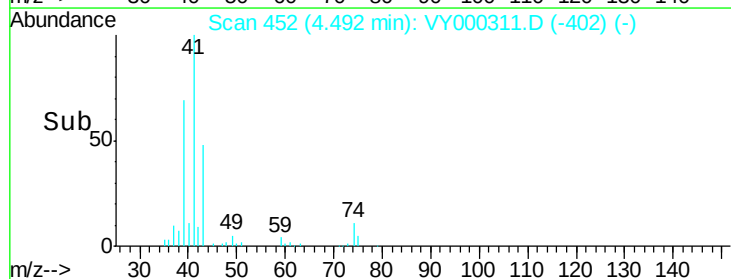
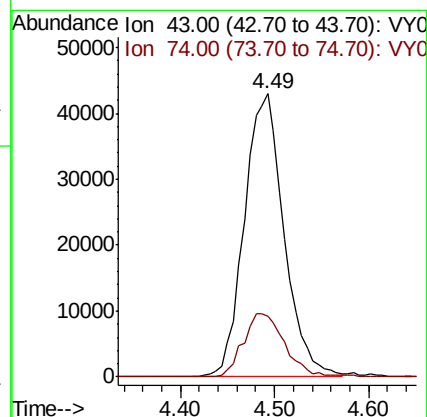
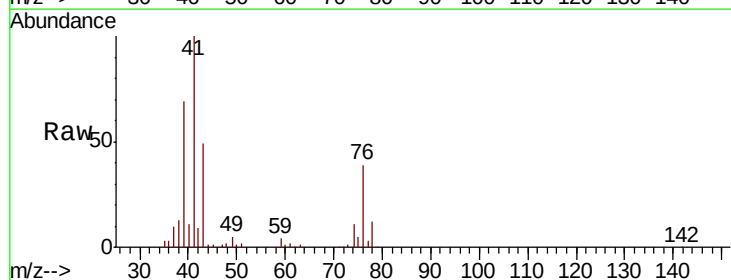
Acq: 15 Oct 2019 11:23

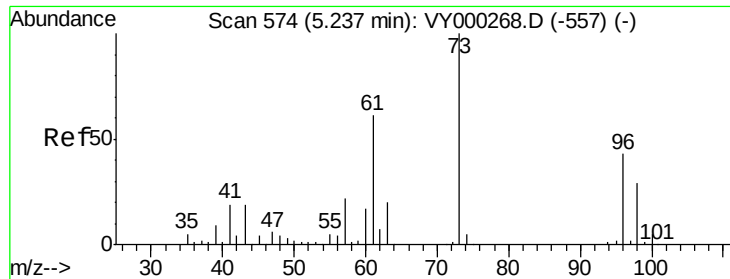
Tgt Ion: 43 Resp: 125786

Ion Ratio Lower Upper

43 100

74 23.4 20.4 30.6





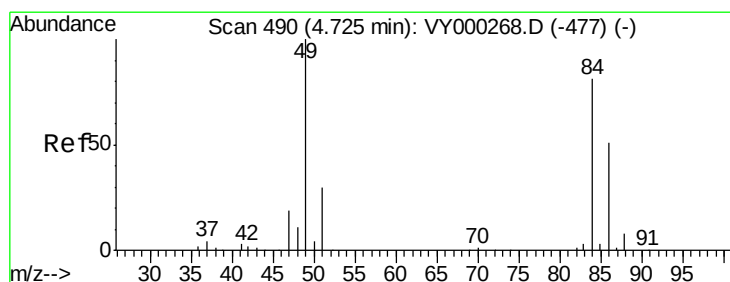
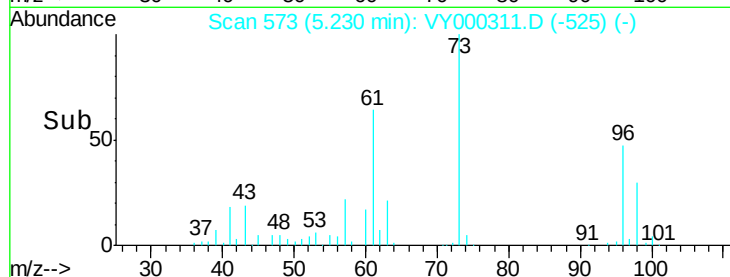
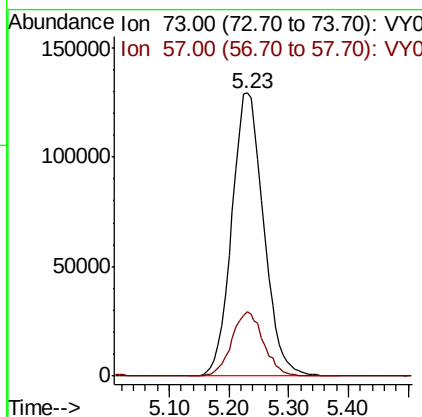
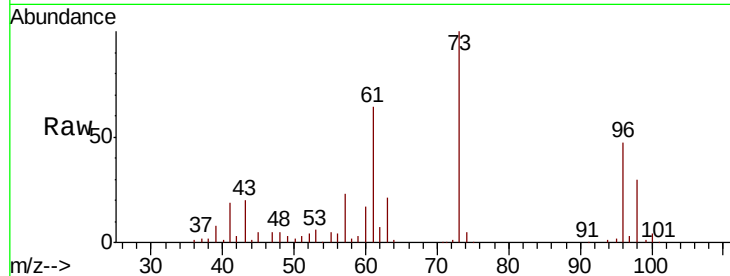
#19
Methyl tert-butyl Ether
Concen: 50.876 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 480789
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0

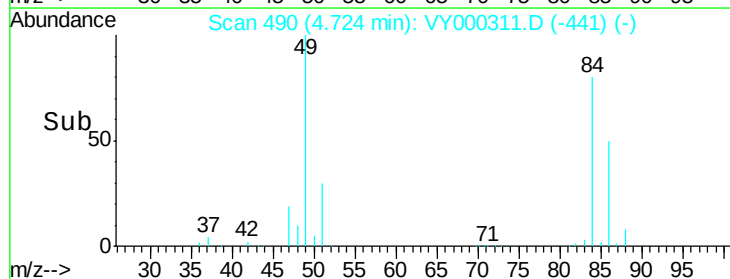
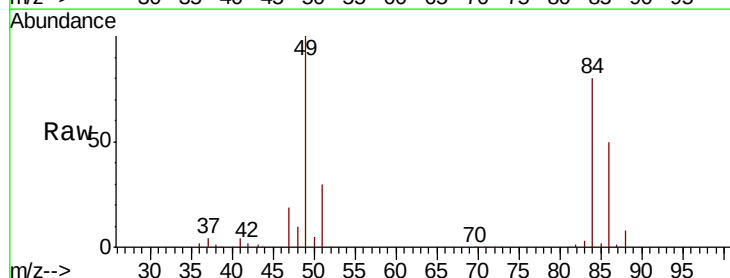
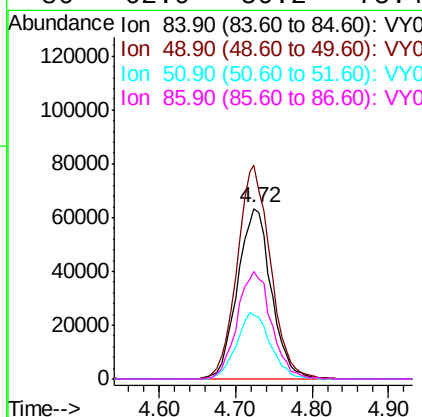
Manual Integrations
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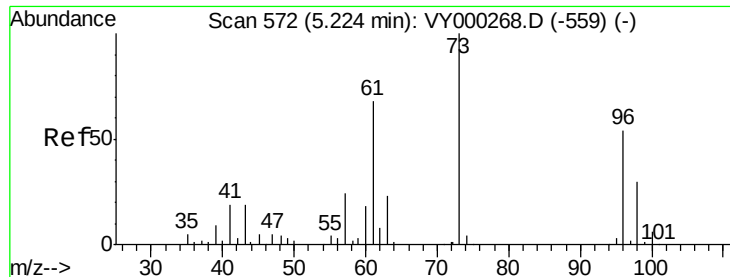
MMDadoda
10/18/2019 12:40:18 AM



#20
Methylene Chloride
Concen: 50.242 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion: 84 Resp: 194268
Ion Ratio Lower Upper
84 100
49 125.2 99.0 148.4
51 37.3 29.3 43.9
86 62.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.895 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 190438

Ion Ratio Lower Upper

96 100

61 127.9 100.4 150.6

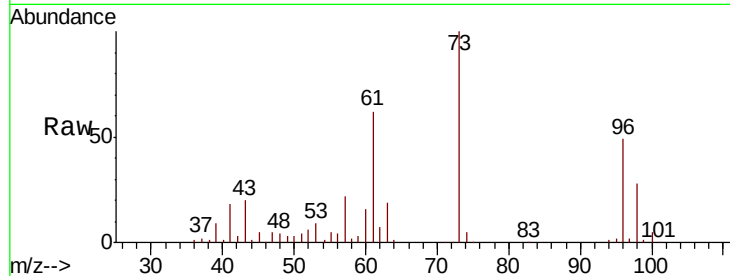
98 58.3 44.6 66.8

Manual Integrations

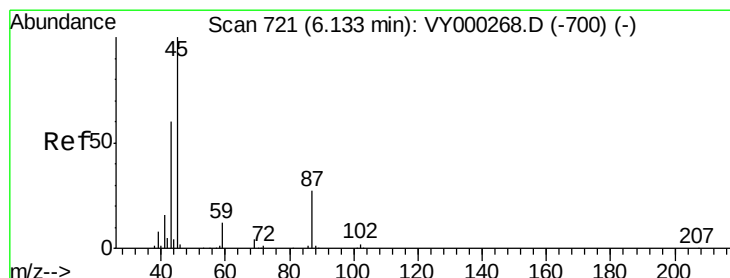
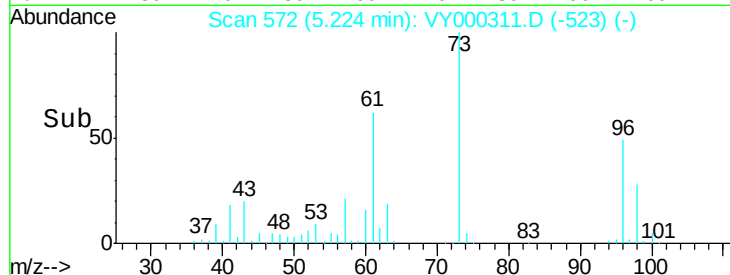
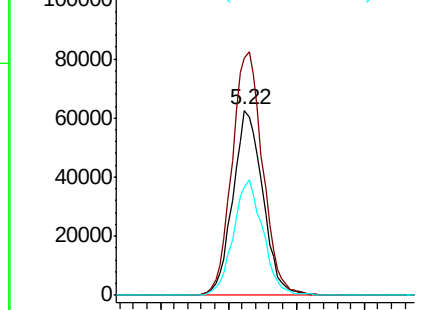
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 52.894 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion: 45 Resp: 629360

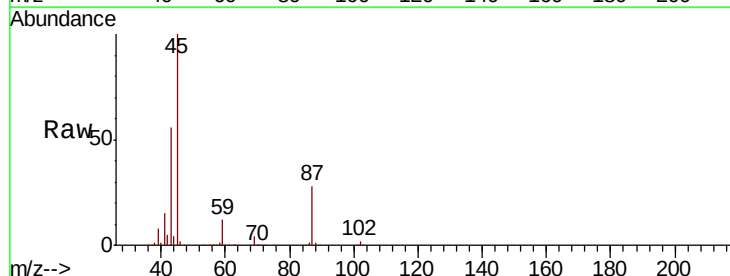
Ion Ratio Lower Upper

45 100

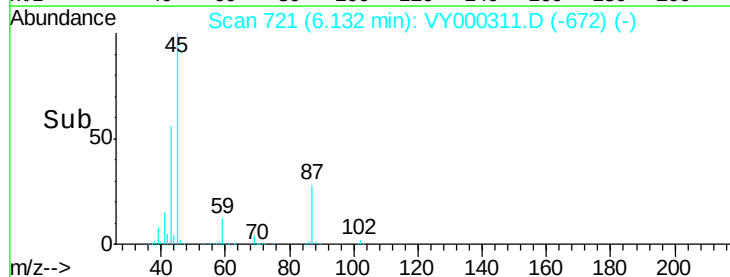
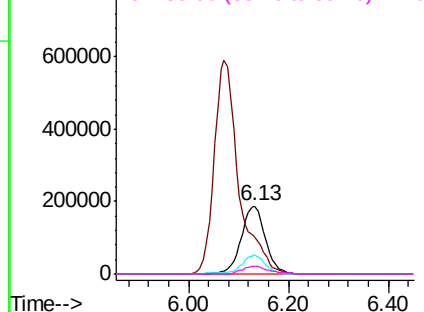
43 55.4 48.5 72.7

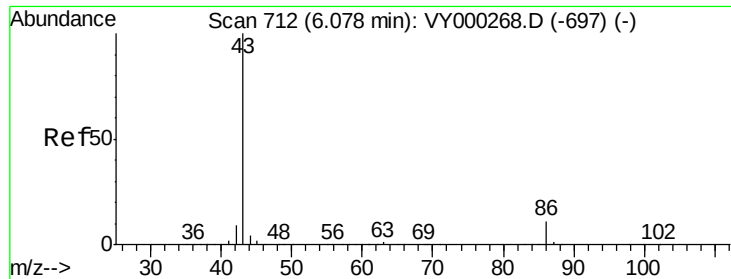
87 27.9 21.5 32.3

59 11.7 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 258.662 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2007851

Ion Ratio Lower Upper

43 100

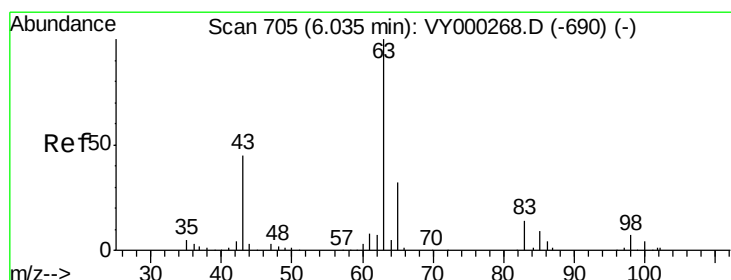
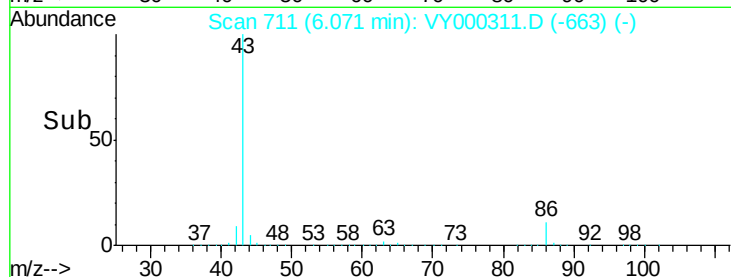
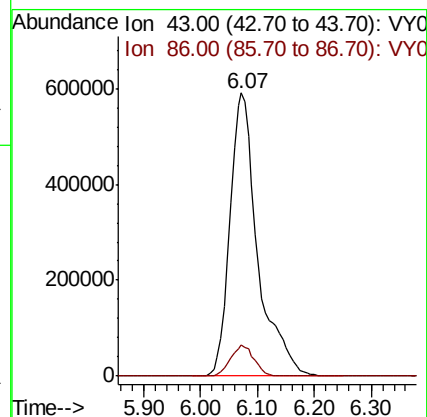
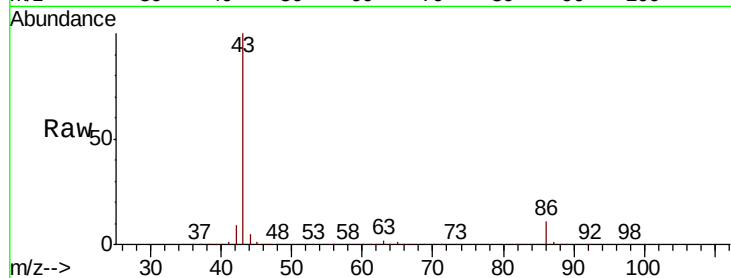
86 11.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.921 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

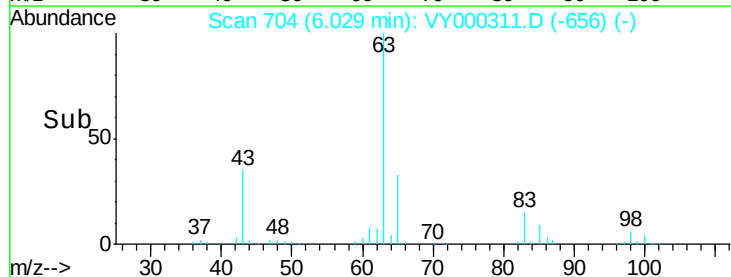
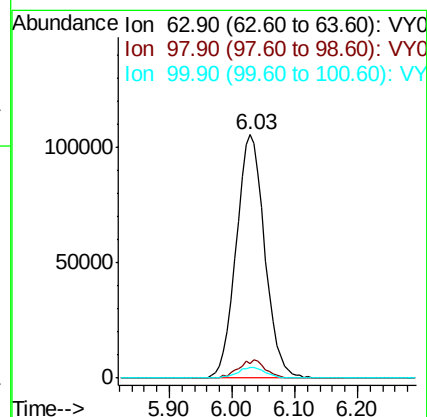
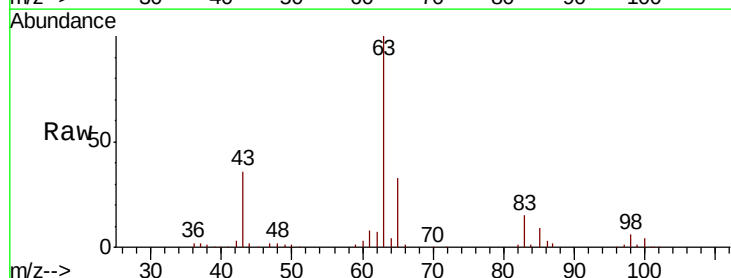
Tgt Ion: 63 Resp: 330715

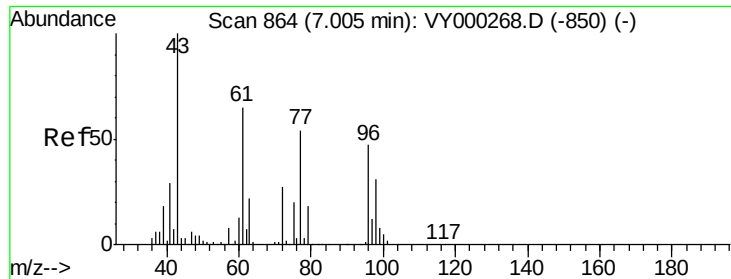
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 250.500 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 405174

Ion Ratio Lower Upper

43 100

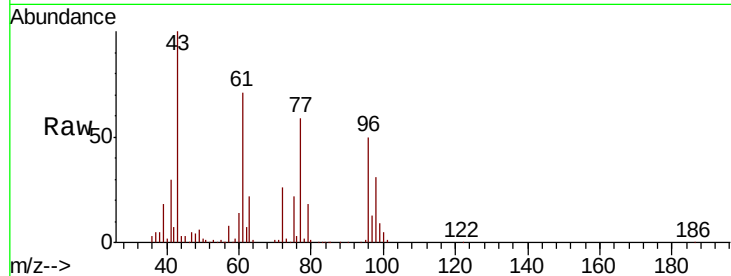
72 26.0 21.4 32.2

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

150000

100000

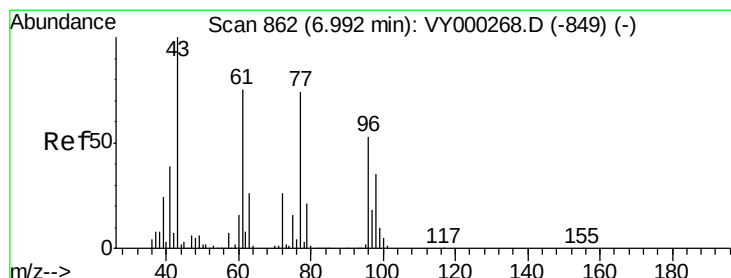
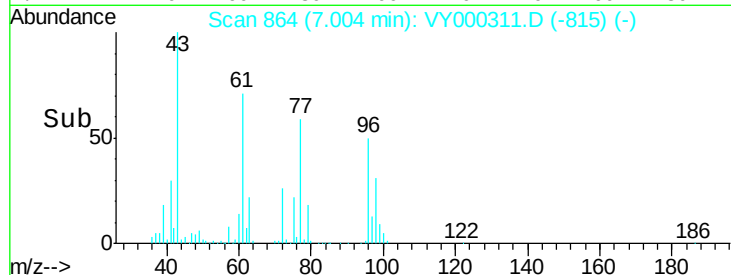
50000

0

7.00

6.90 6.95 7.00 7.05 7.10

Time-->



#26

2,2-Dichloropropane

Concen: 50.594 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000311.D

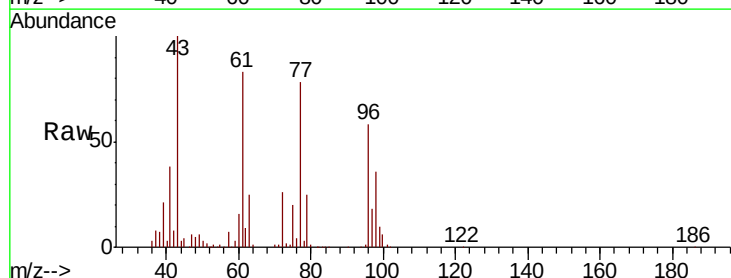
Acq: 15 Oct 2019 11:23

Tgt Ion: 77 Resp: 302786

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

120000

100000

80000

60000

40000

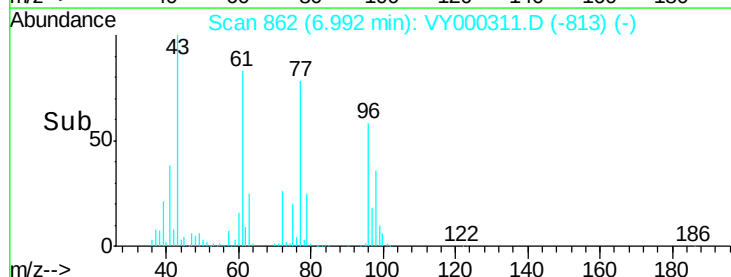
20000

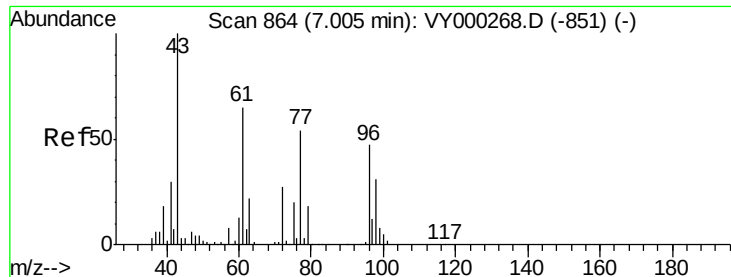
0

6.99

6.90 7.00 7.10

Time-->





#27

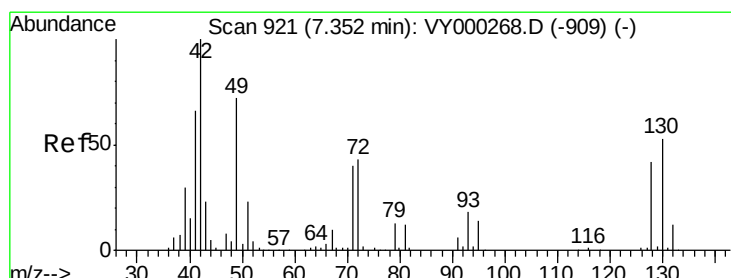
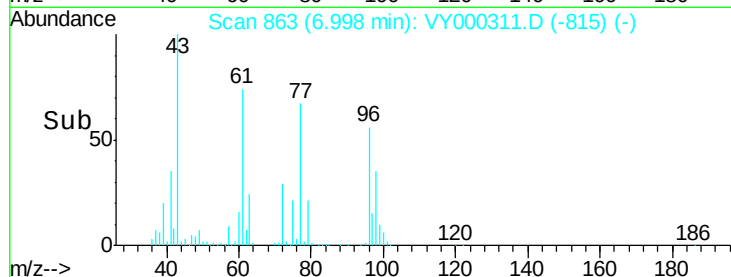
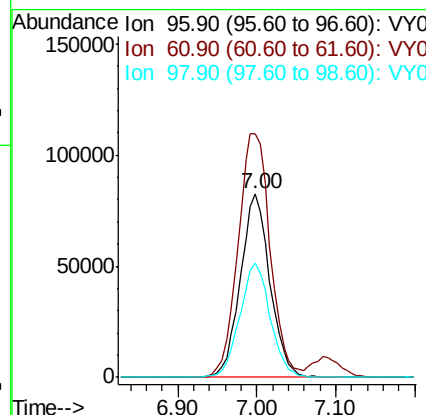
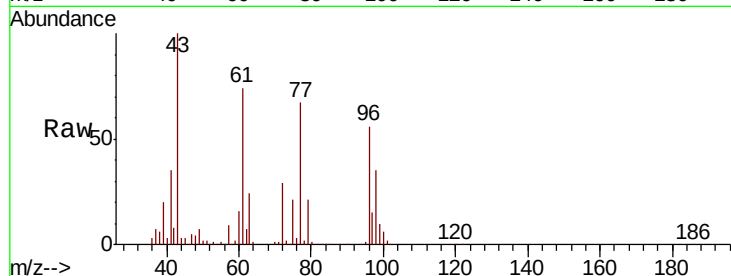
cis-1,2-Dichloroethene
Concen: 51.021 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	215027		
61	144.8	0.0	289.8	
98	64.2	0.0	131.8	

Manual Integrations
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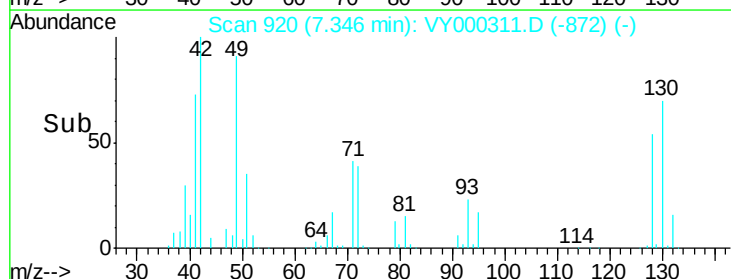
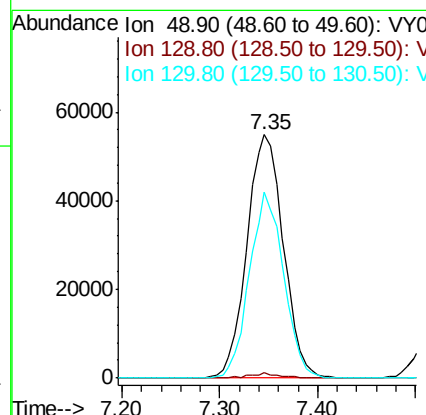
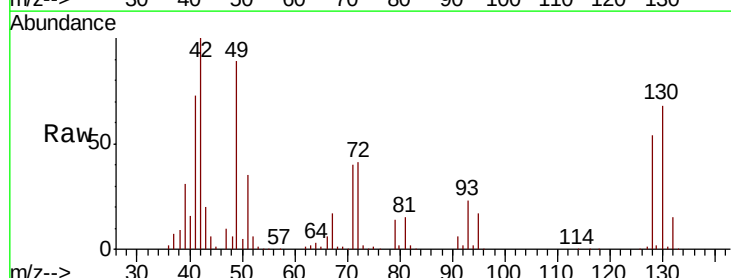
MMDadoda
10/18/2019 12:40:18 AM

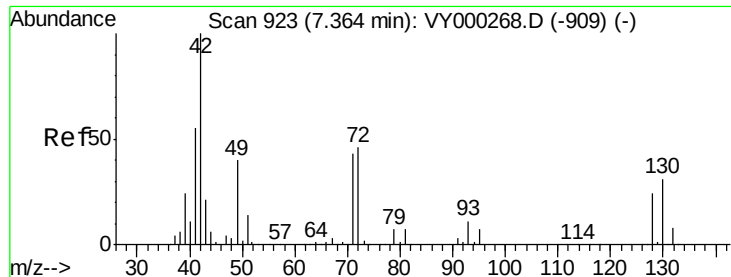


#28

Bromochloromethane
Concen: 50.802 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141640		
129	1.8	0.0	4.0	
130	72.1	58.2	87.2	





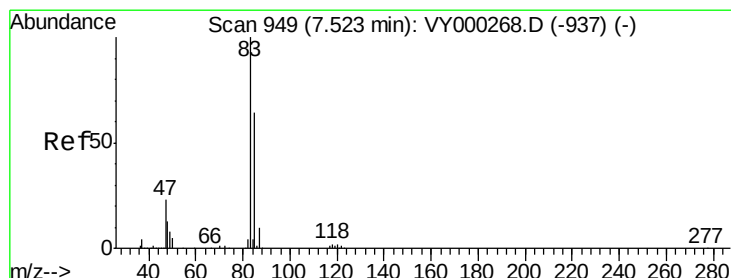
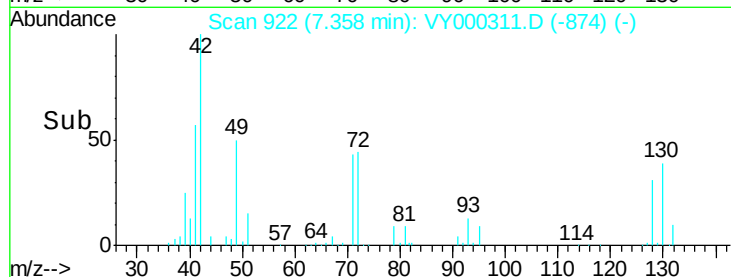
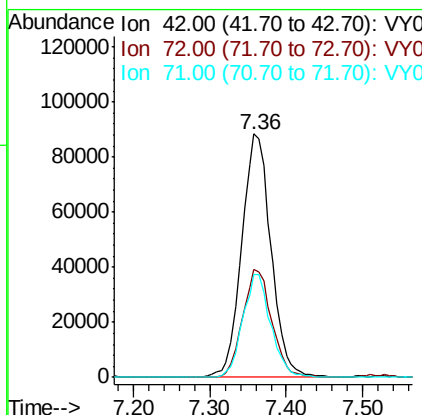
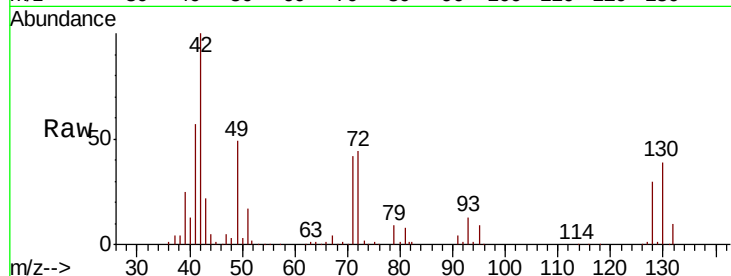
#29
Tetrahydrofuran
Concen: 240.232 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.5	51.7
71	40.2	32.7	49.1

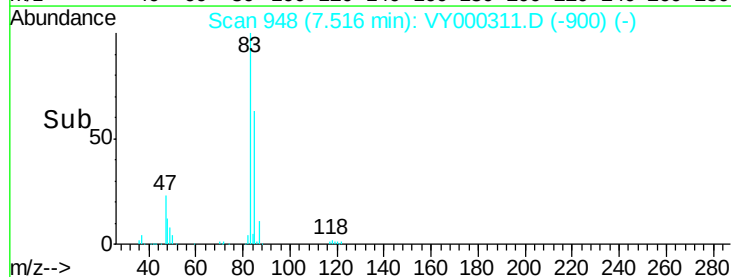
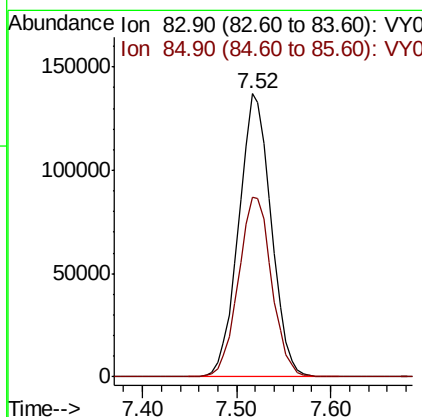
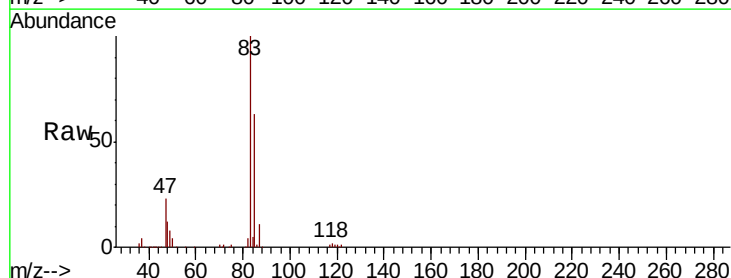
Manual Integrations
APPROVED

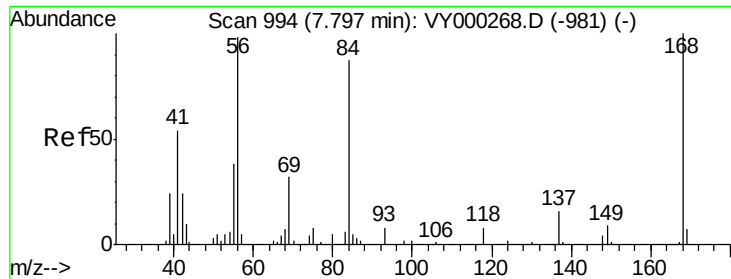
MMDadoda
10/18/2019 12:40:18 AM



#30
Chloroform
Concen: 50.595 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





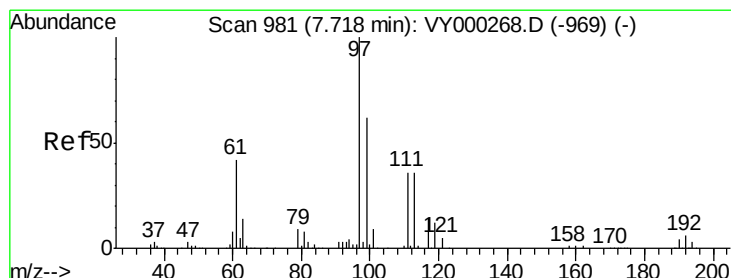
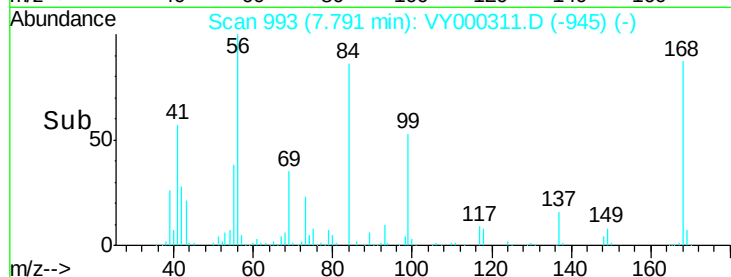
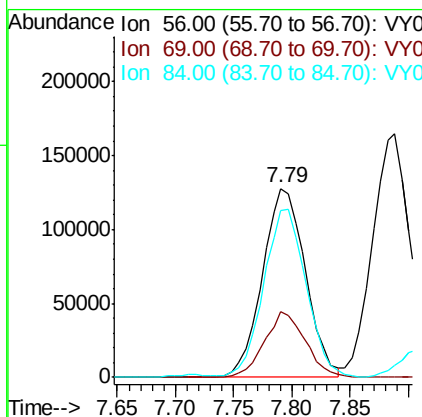
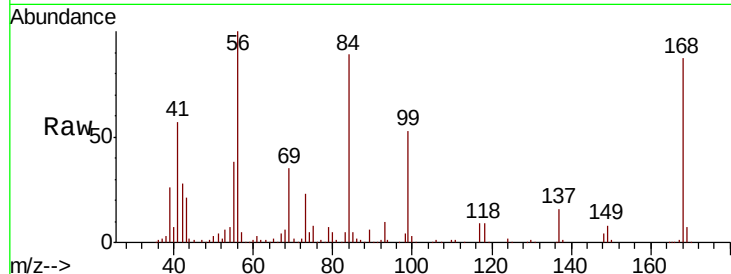
#31
Cyclohexane
Concen: 47.957 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.3	39.5
84	87.0	70.8	106.2

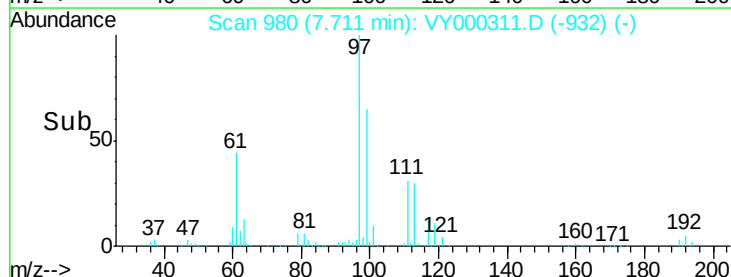
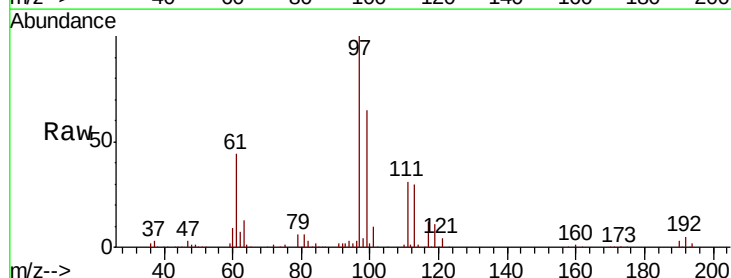
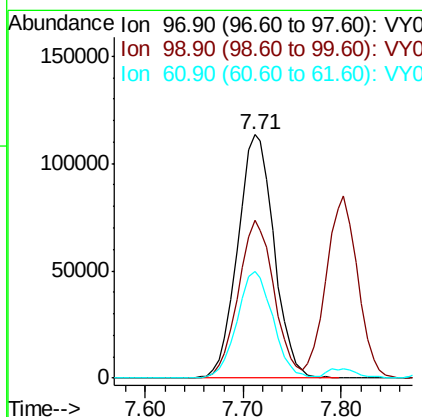
Manual Integrations
APPROVED

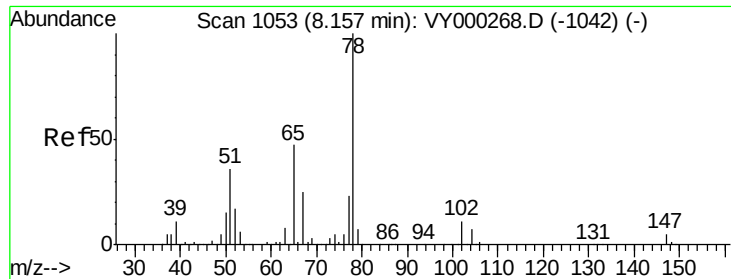
MMDadoda
10/18/2019 12:40:18 AM



#32
1,1,1-Trichloroethane
Concen: 50.109 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	43.6	34.5	51.7





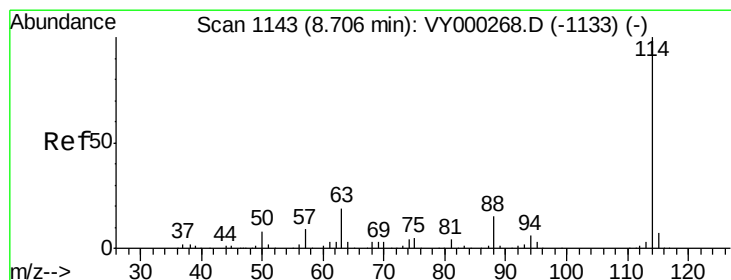
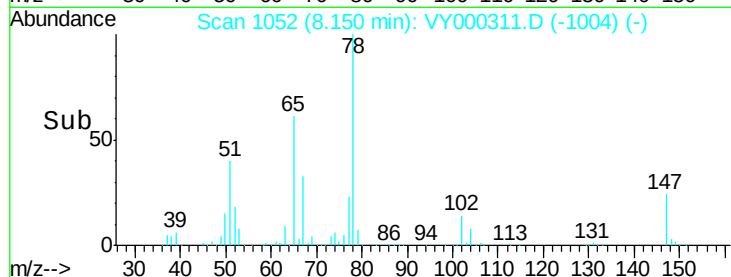
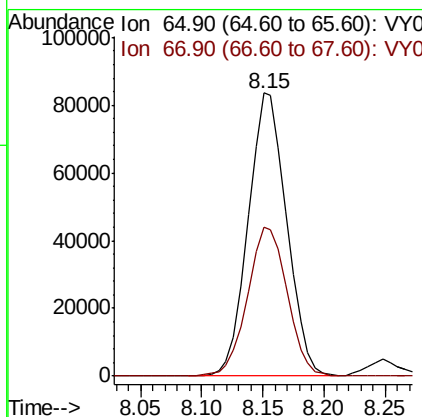
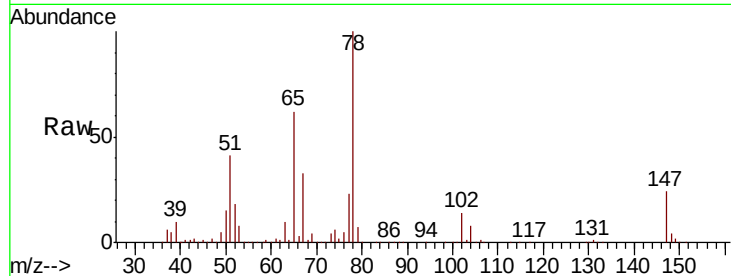
#33
 1,2-Dichloroethane-d4
 Concen: 51.616 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	109.4	

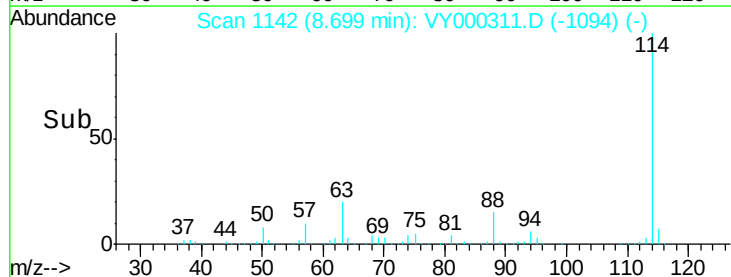
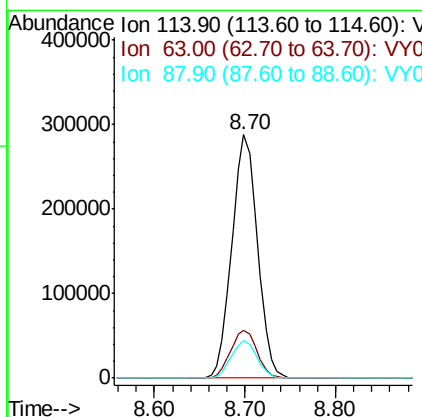
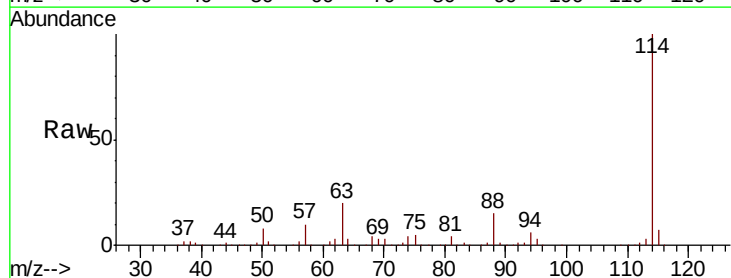
Manual Integrations
 APPROVED

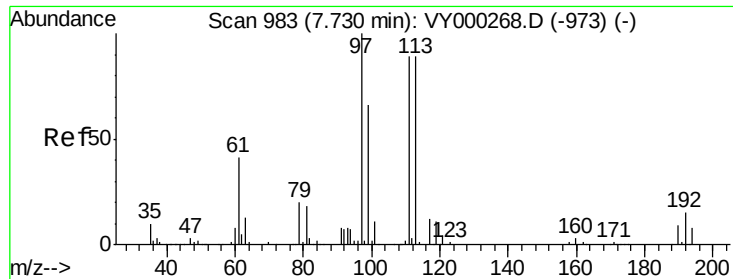
MMDadoda
 10/18/2019 12:40:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	37.2	
88	15.3	0.0	30.2	





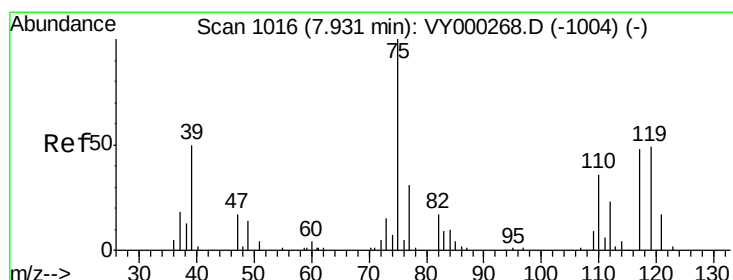
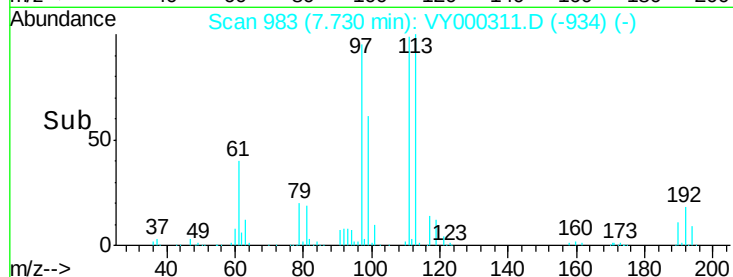
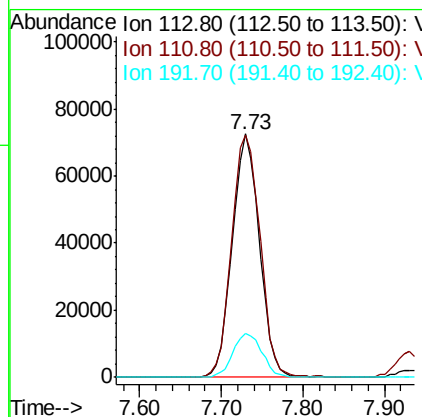
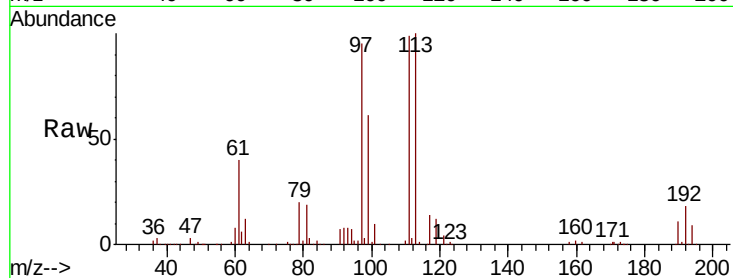
#35
 Dibromofluoromethane
 Concen: 48.943 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166731		
111	103.9	81.6	122.4	
192	19.1	15.3	22.9	

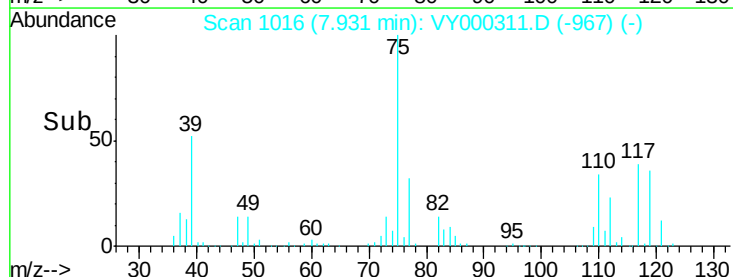
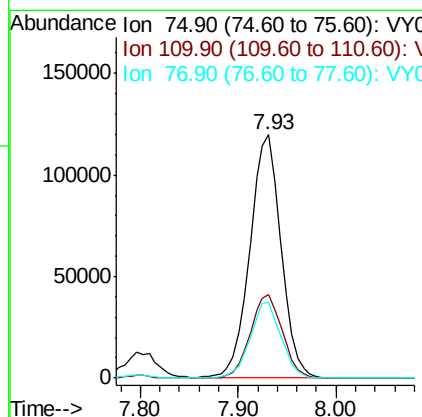
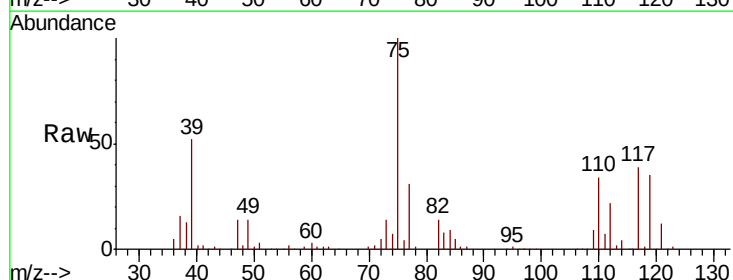
Manual Integrations
 APPROVED

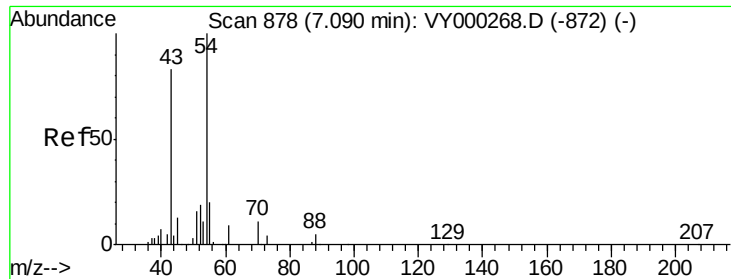
MMDadoda
 10/18/2019 12:40:18 AM



#36
 1,1-Dichloropropene
 Concen: 47.954 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	265152		
110	35.3	18.4	55.4	
77	31.4	25.0	37.6	





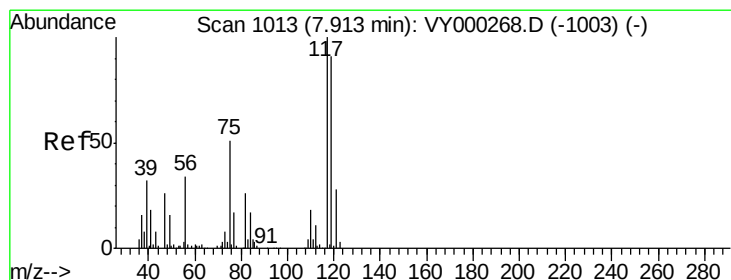
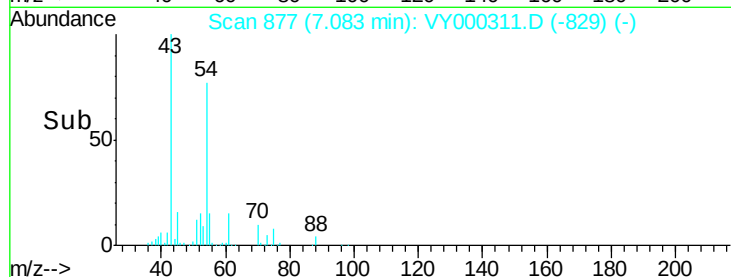
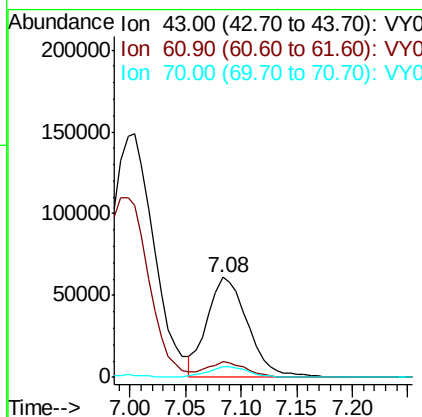
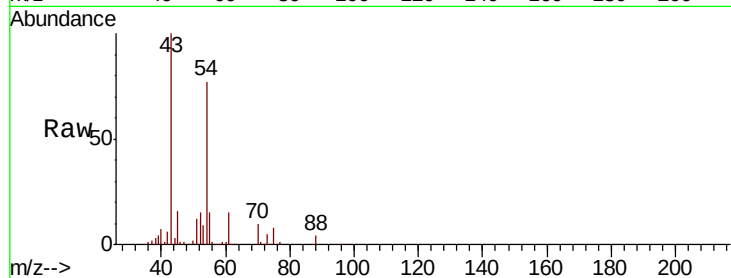
#37
Ethyl Acetate
Concen: 47.038 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.1	18.1
70	10.8	8.7	13.1

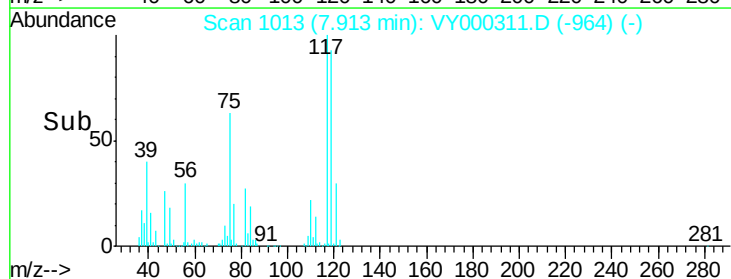
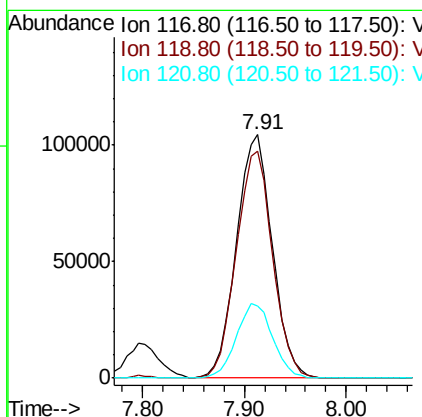
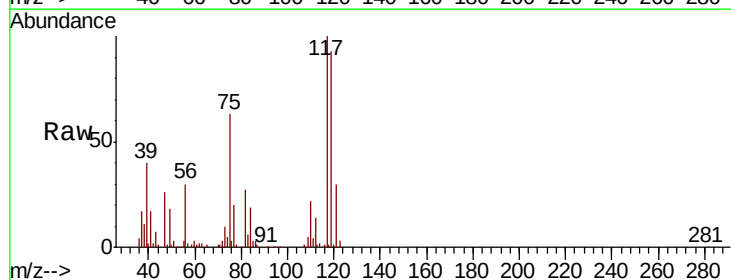
Manual Integrations
APPROVED

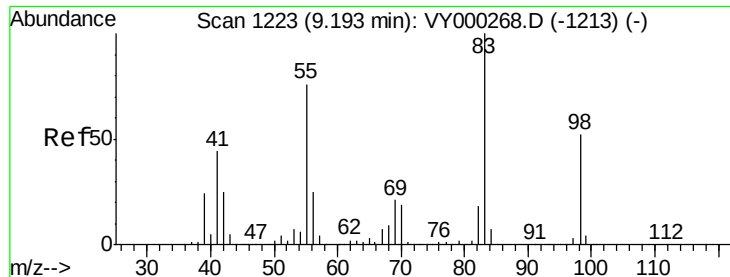
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.522 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	72.8	109.2
121	29.9	22.2	33.2





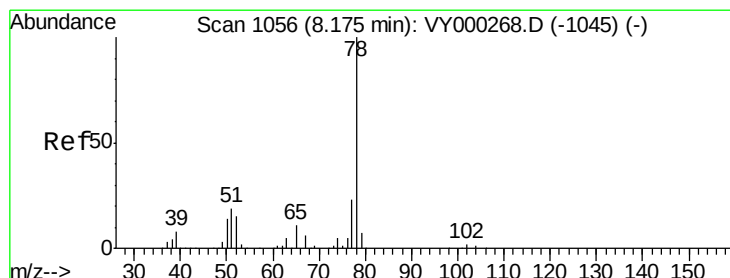
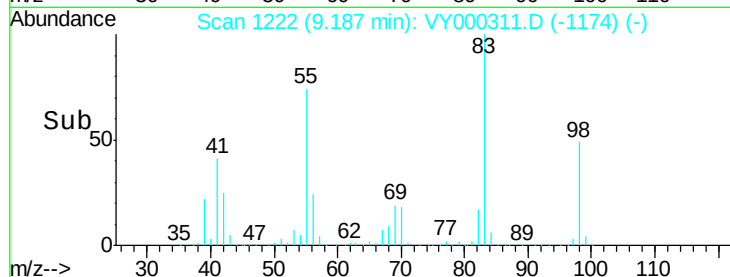
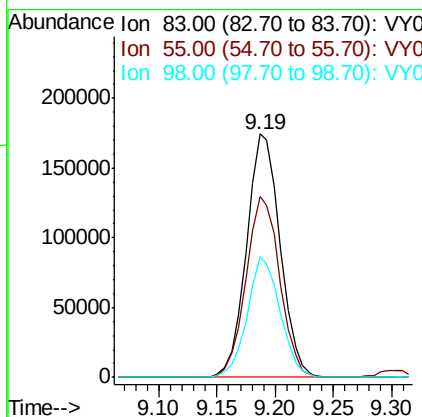
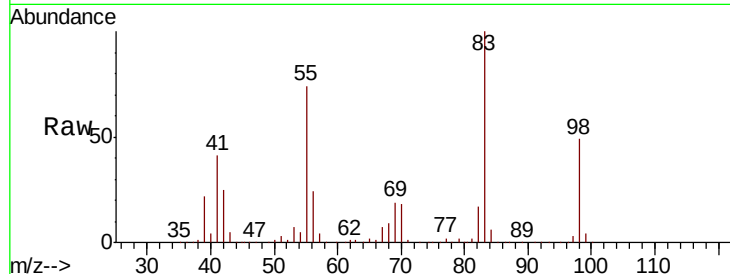
#39
Methvlcvclohexane
Concen: 48.313 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.1	60.9	91.3	
98	49.3	41.8	62.6	

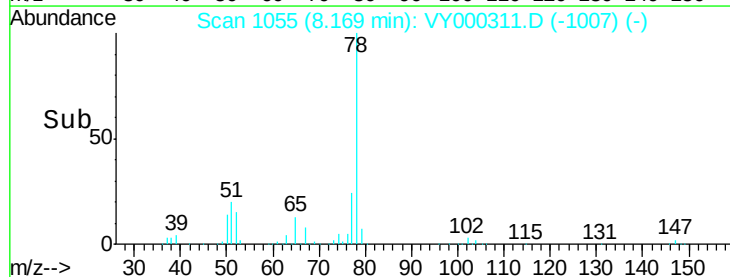
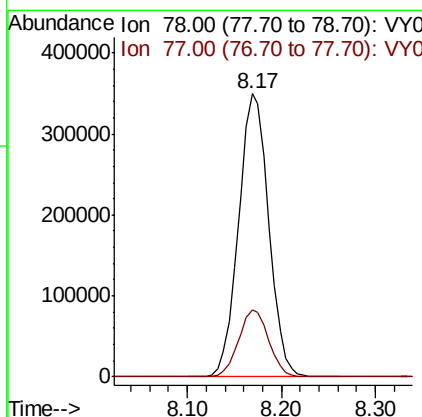
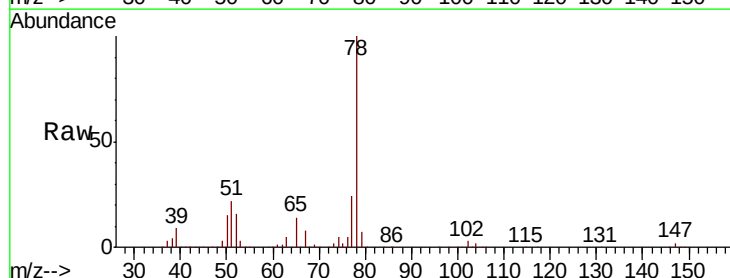
Manual Integrations
APPROVED

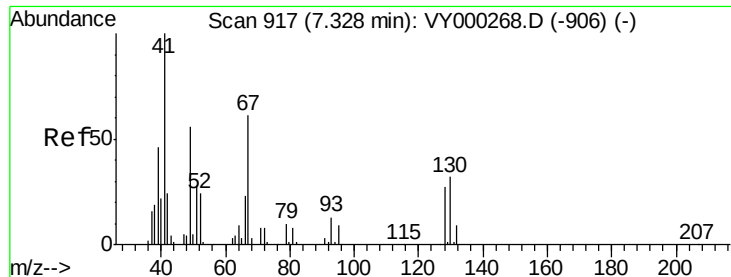
MMDadoda
10/18/2019 12:40:18 AM



#40
Benzene
Concen: 48.786 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.8	28.2	





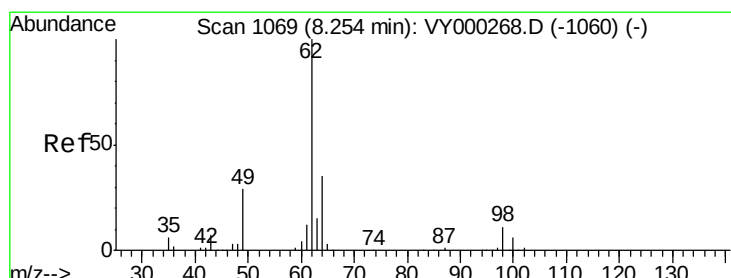
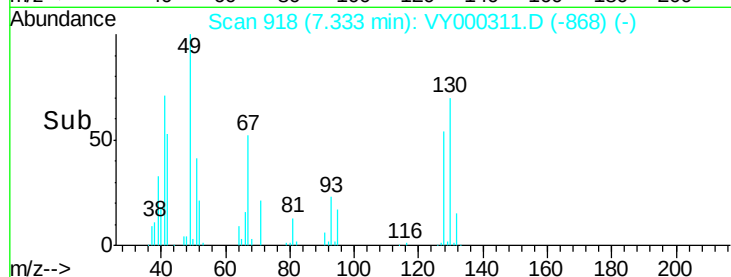
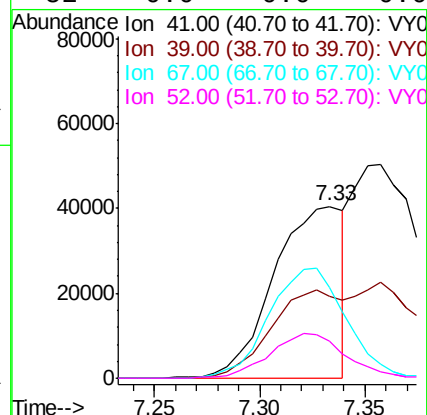
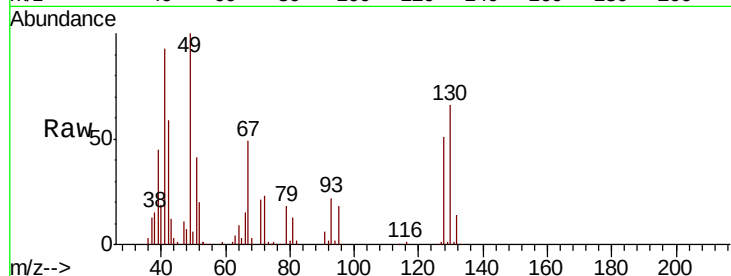
#41
Methacrylonitrile
Concen: 60.401 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

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

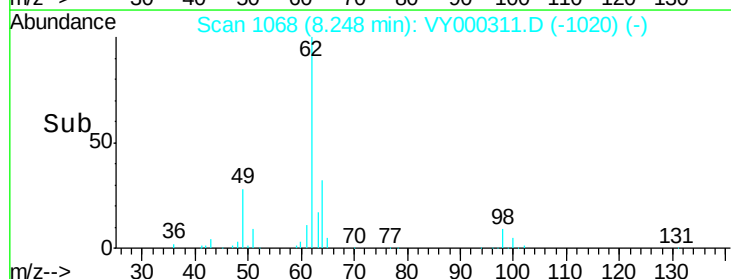
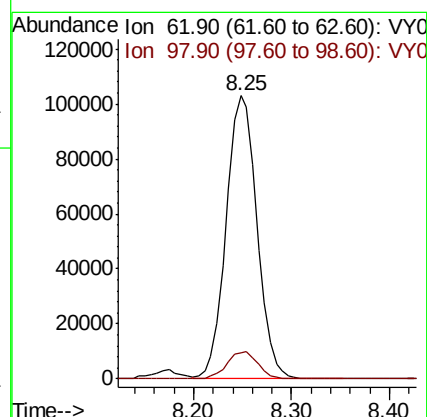
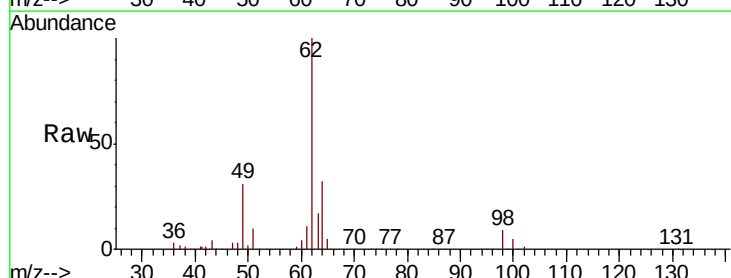
Manual Integrations
APPROVED

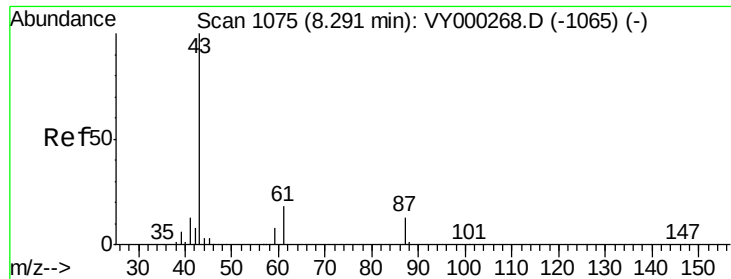
MMDadoda
10/18/2019 12:40:18 AM



#42
1,2-Dichloroethane
Concen: 49.291 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.6





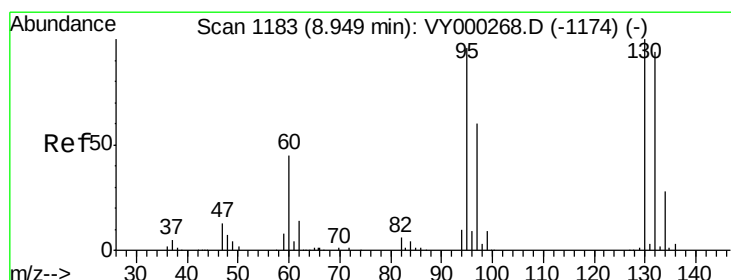
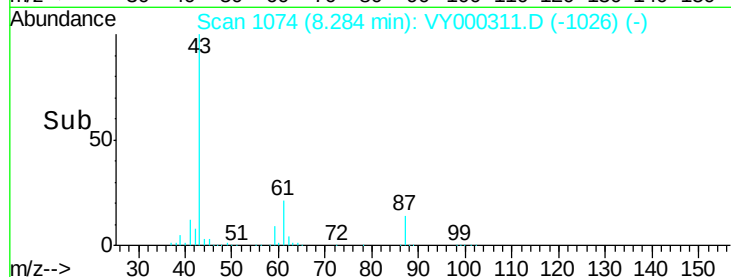
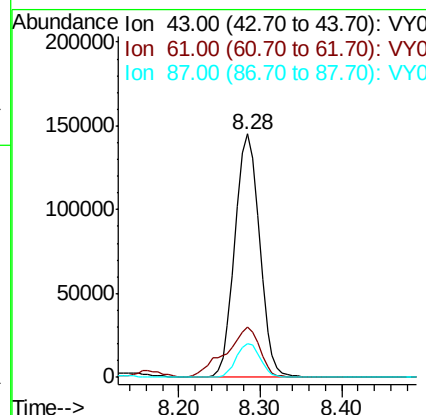
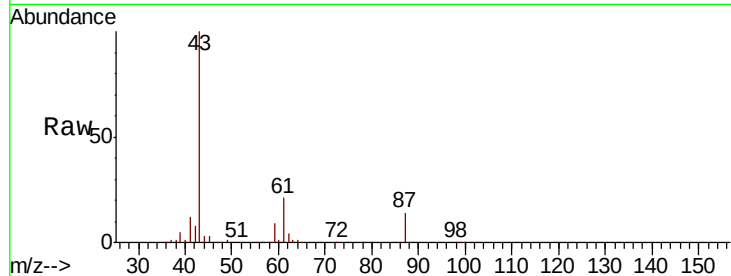
#43
Isopropyl Acetate
Concen: 48.551 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.3	33.5
87	13.4	10.9	16.3

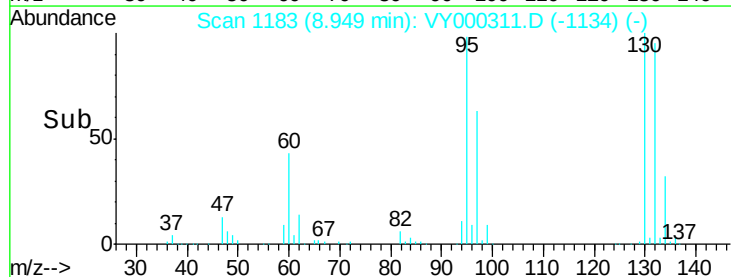
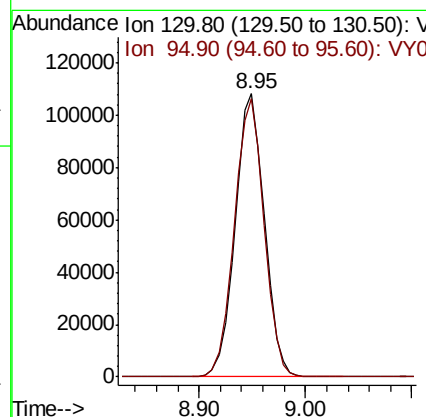
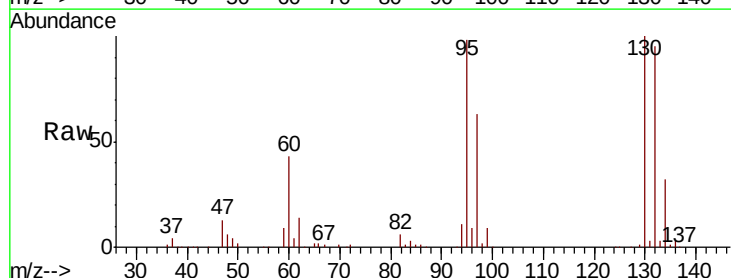
Manual Integrations
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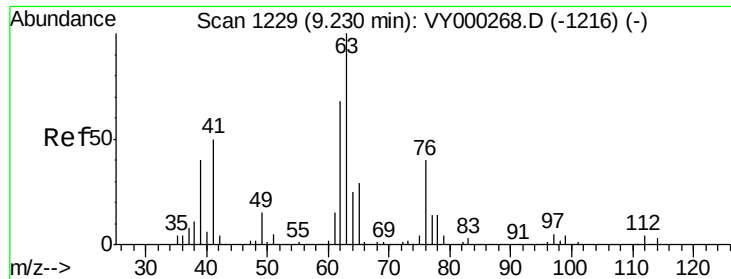
MMDadoda
10/18/2019 12:40:18 AM



#44
Trichloroethene
Concen: 46.450 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	191.4





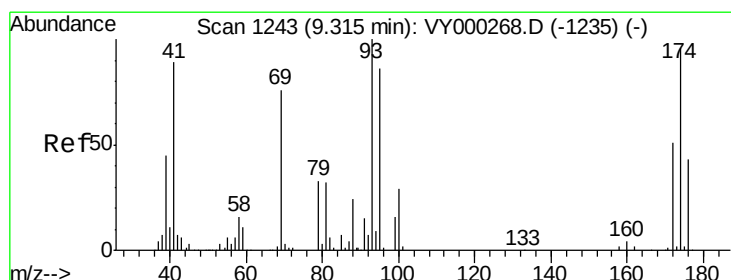
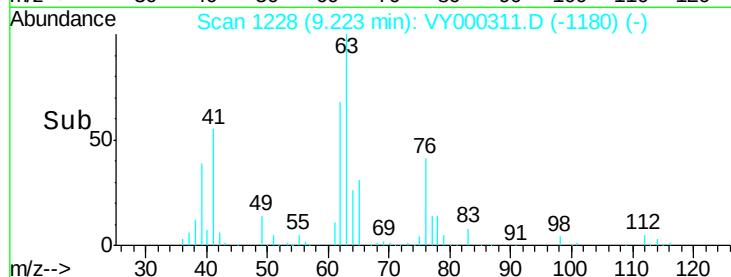
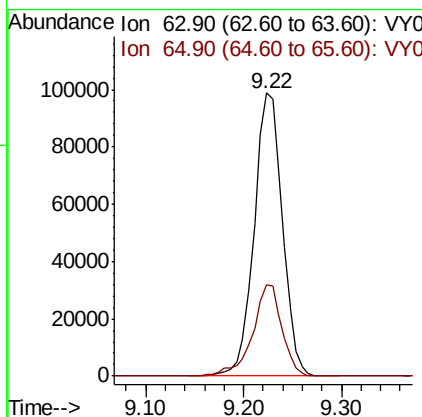
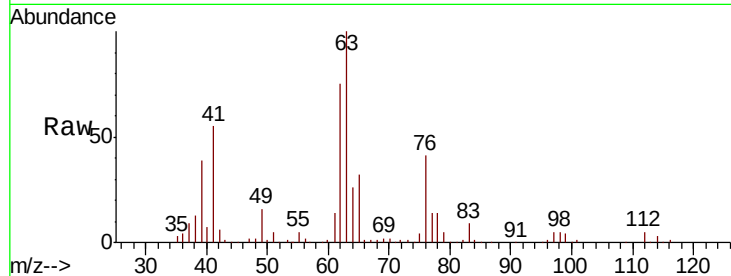
#45
 1,2-Dichloropropane
 Concen: 50.429 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 197748
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.2 34.8

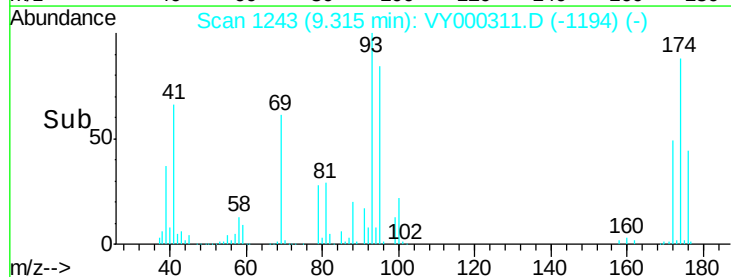
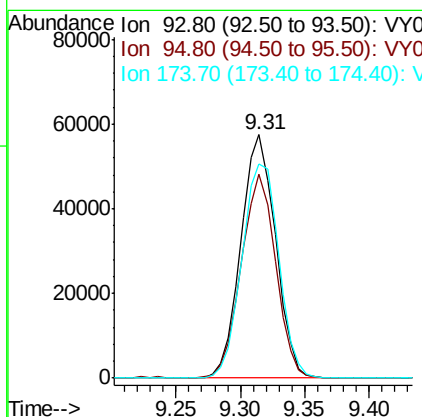
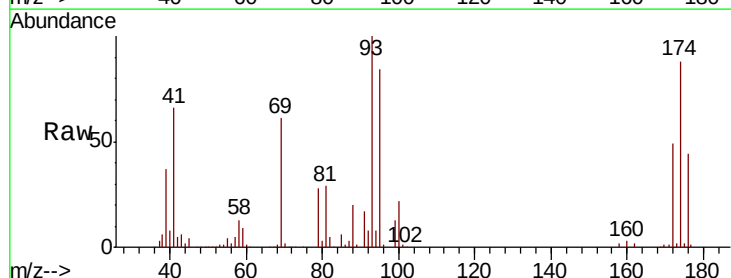
Manual Integrations
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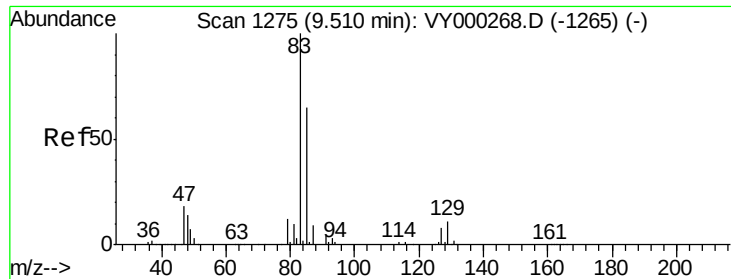
MMDadoda
 10/18/2019 12:40:18 AM



#46
 Dibromomethane
 Concen: 48.828 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion: 93 Resp: 107036
 Ion Ratio Lower Upper
 93 100
 95 83.4 68.2 102.2
 174 93.3 79.8 119.6





#47

Bromodichloromethane

Concen: 50.196 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

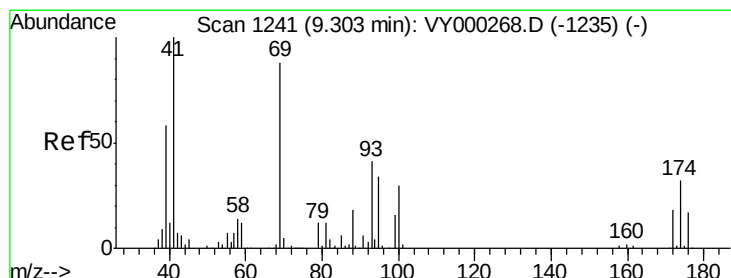
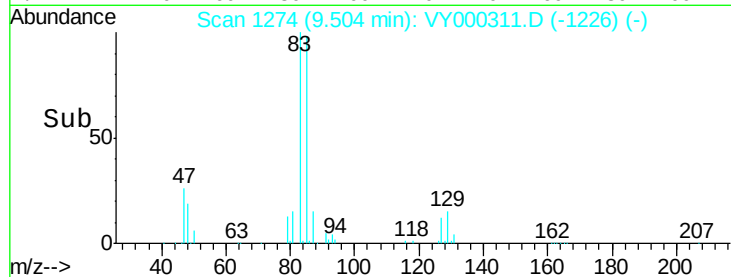
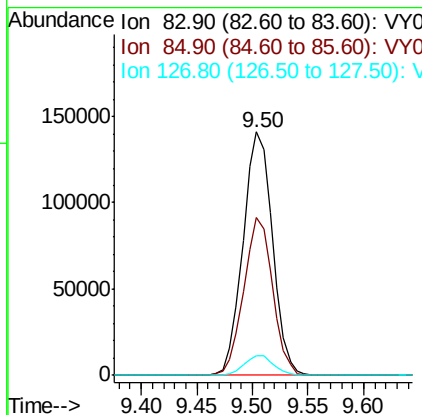
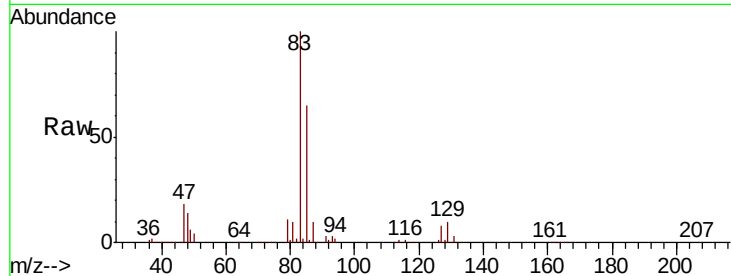
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	259318
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2
127	8.1	6.3	9.5

Manual Integrations
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MMDadoda
10/18/2019 12:40:18 AM



#48

Methyl methacrylate

Concen: 48.241 ug/l

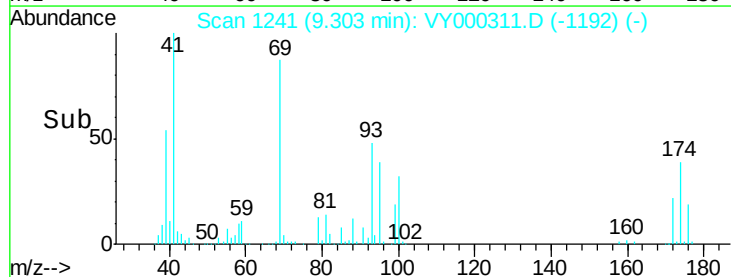
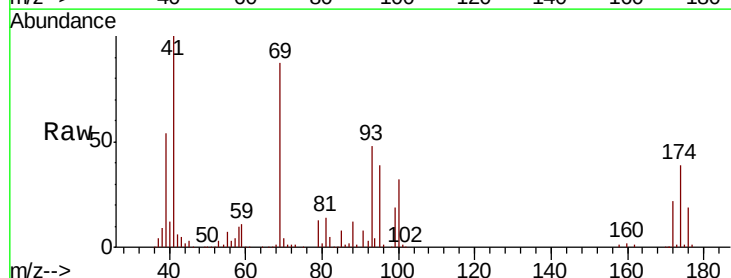
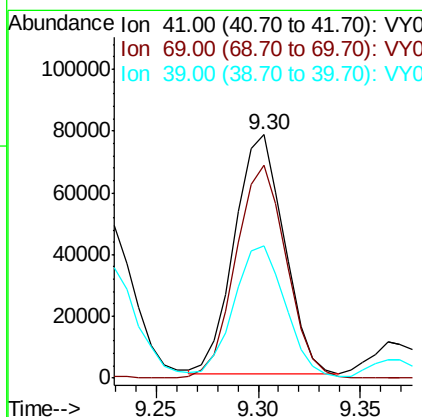
RT: 9.30 min Scan# 1241

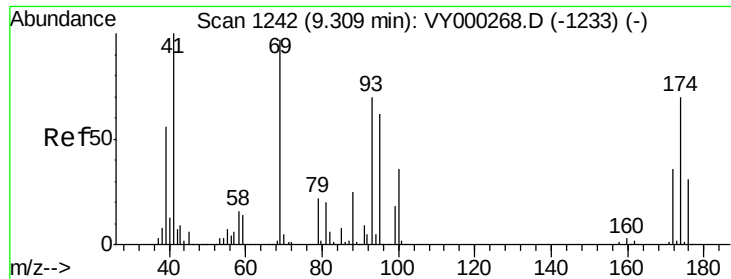
Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion:	41	Resp:	131613
Ion	Ratio	Lower	Upper
41	100		
69	90.4	70.0	105.0
39	57.8	47.7	71.5





#49

1,4-Dioxane

Concen: 843.532 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

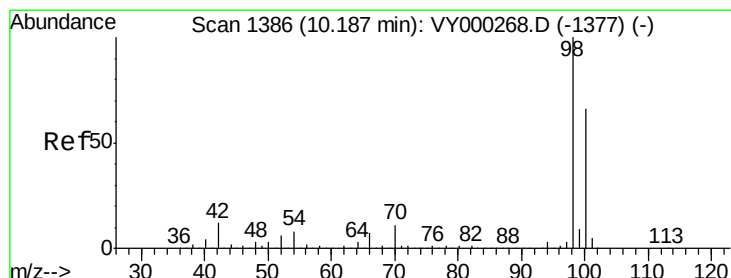
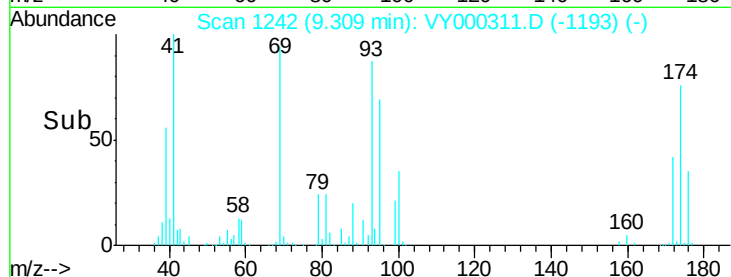
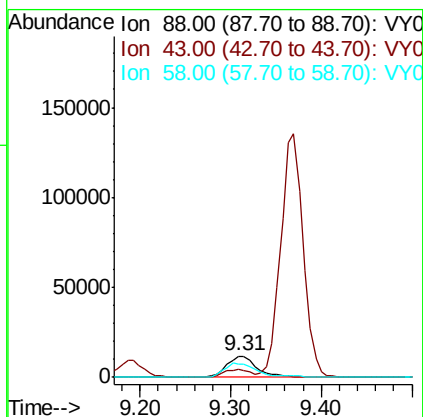
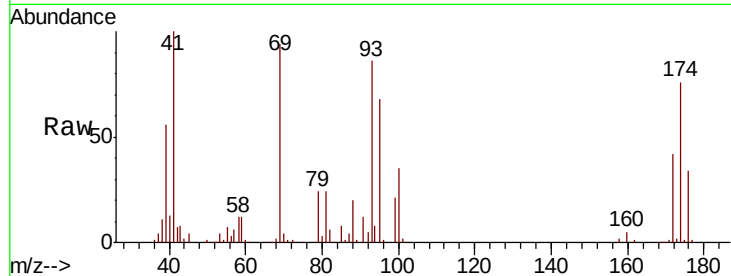
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	27725
Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.6	38.4
58	74.5	54.6	81.8

Manual Integrations
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#50

Toluene-d8

Concen: 52.281 ug/l

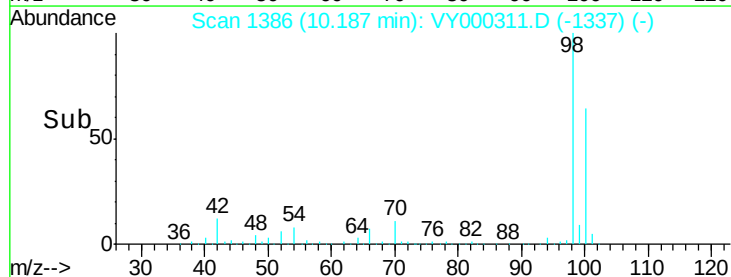
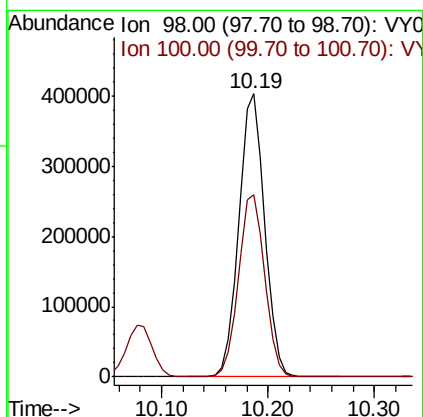
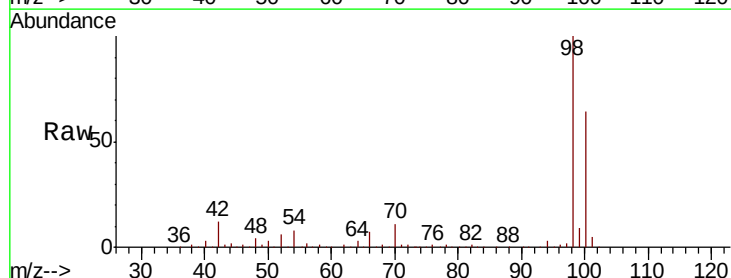
RT: 10.19 min Scan# 1386

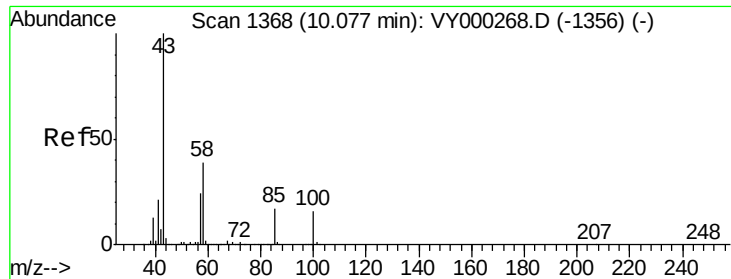
Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion:	98	Resp:	685121
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.8	79.2





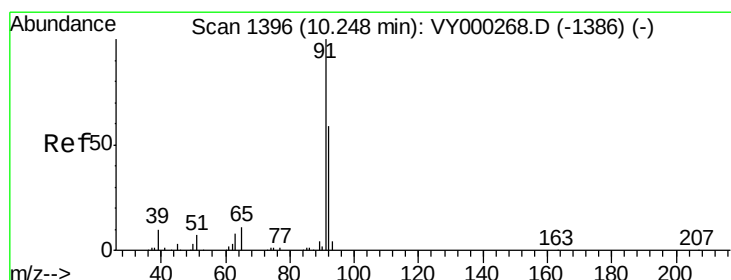
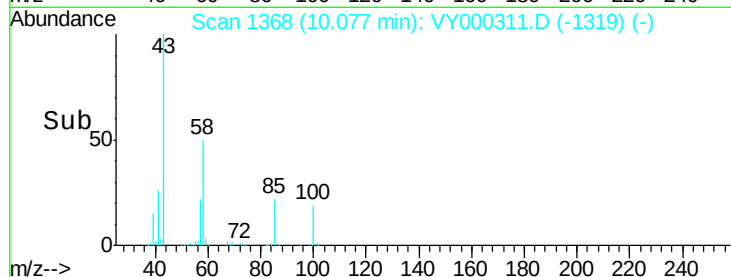
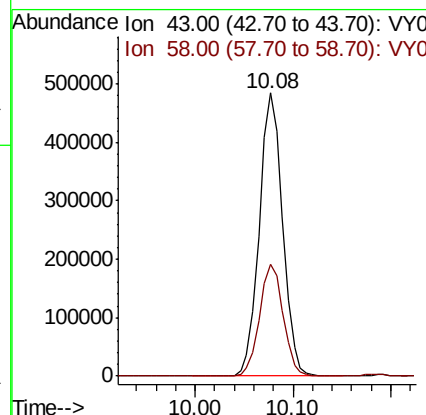
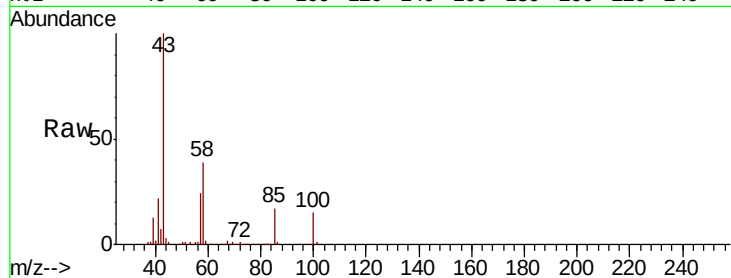
#51
4-Methyl-2-Pentanone
Concen: 249.328 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.0	46.6

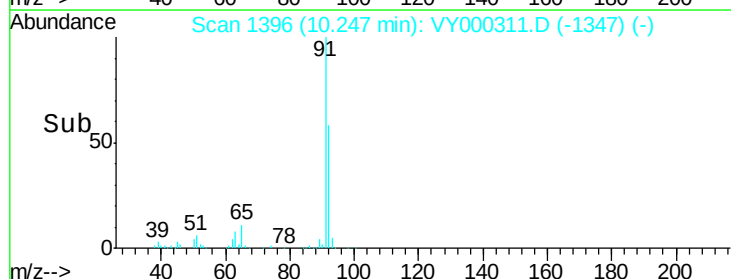
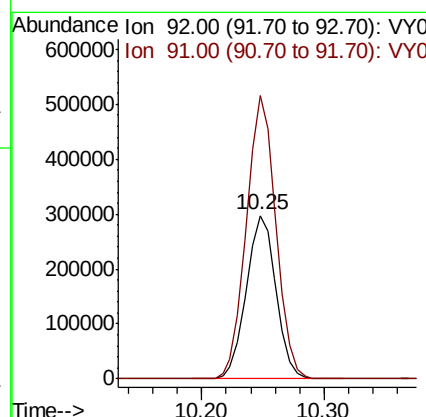
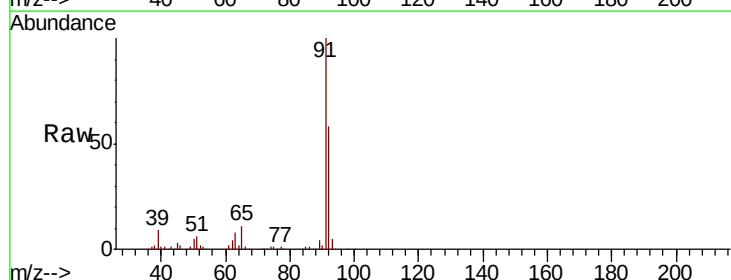
Manual Integrations
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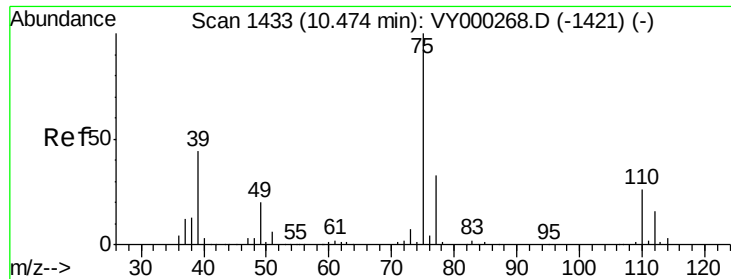
MMDadoda
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#52
Toluene
Concen: 49.249 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	136.6	205.0





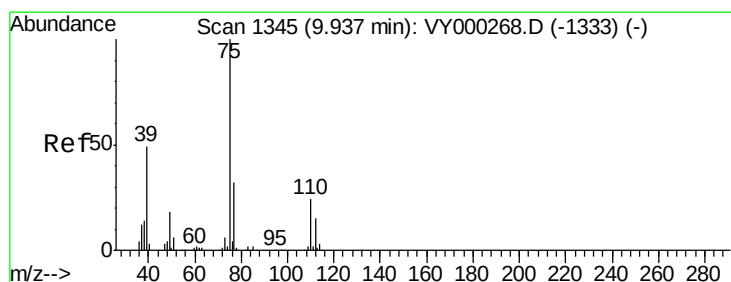
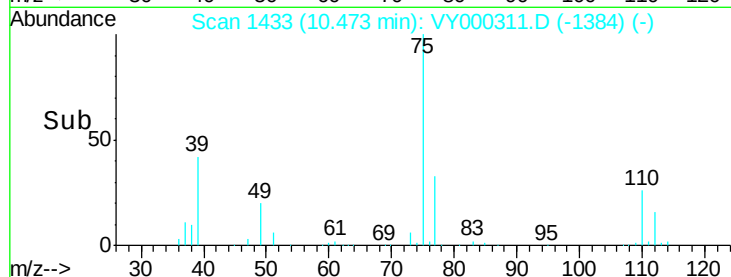
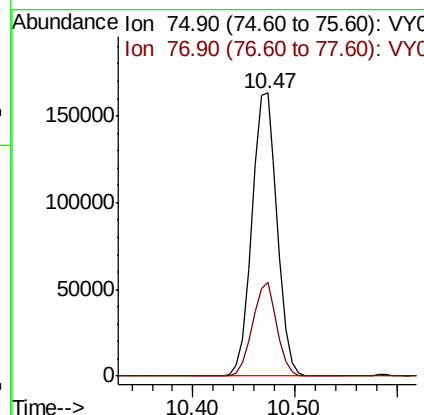
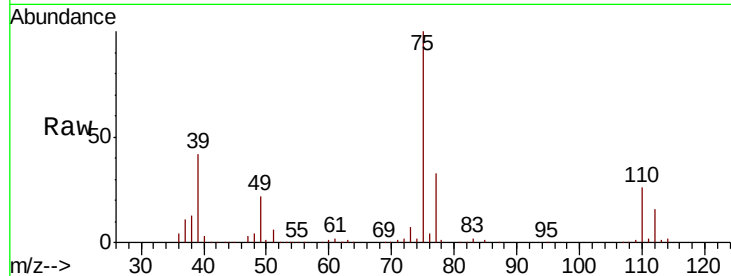
#53
 t-1,3-Dichloropropene
 Concen: 50.680 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 280593
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.0 39.0

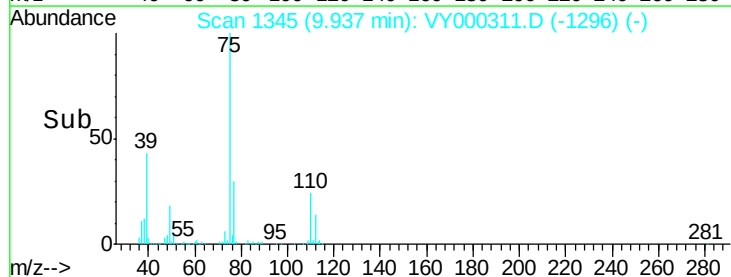
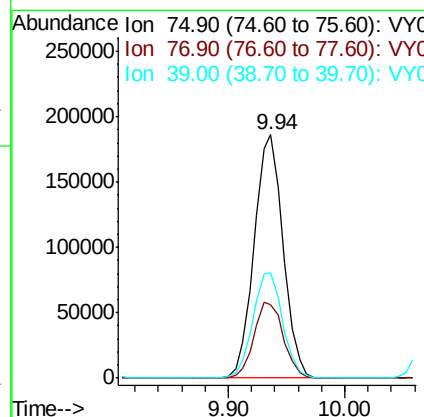
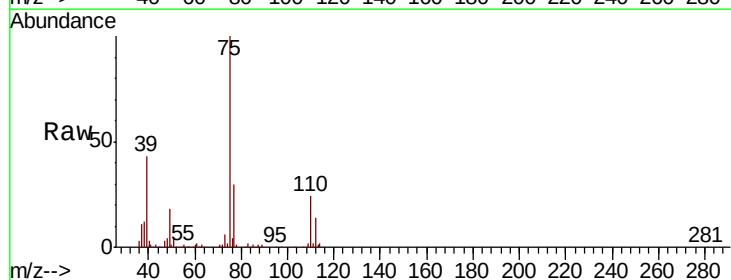
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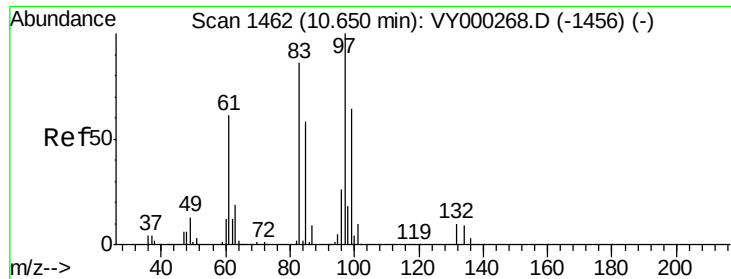
MMDadoda
 10/18/2019 12:40:18 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.139 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion: 75 Resp: 321539
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.0 39.0
 39 43.1 38.8 58.2





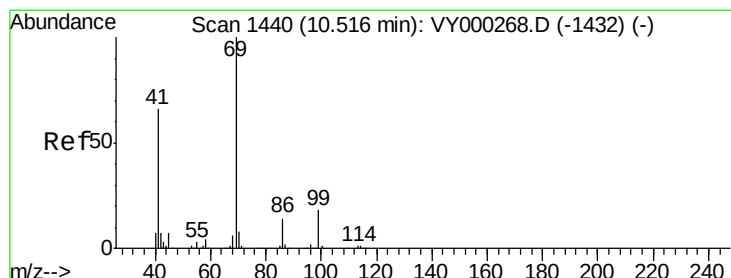
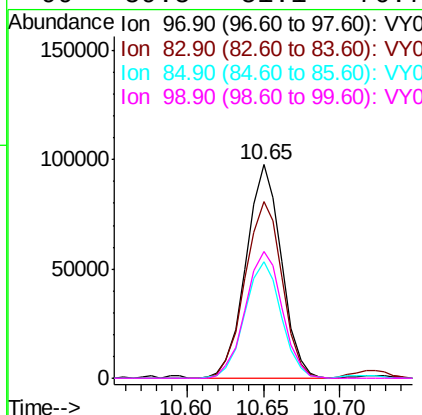
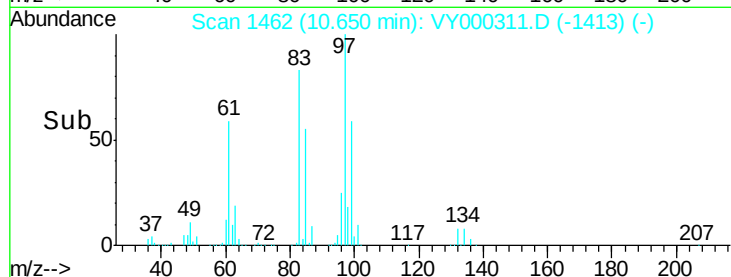
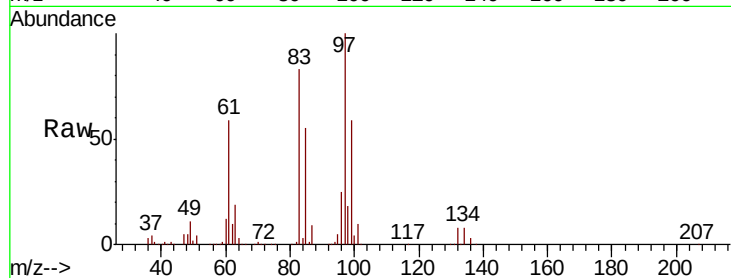
#55
 1,1,2-Trichloroethane
 Concen: 49.212 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	156851
Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.0	103.6
85	54.7	46.2	69.4
99	59.5	51.1	76.7

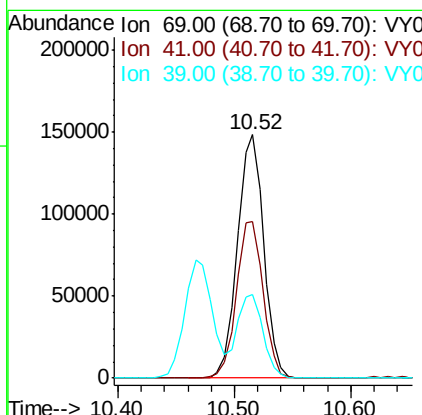
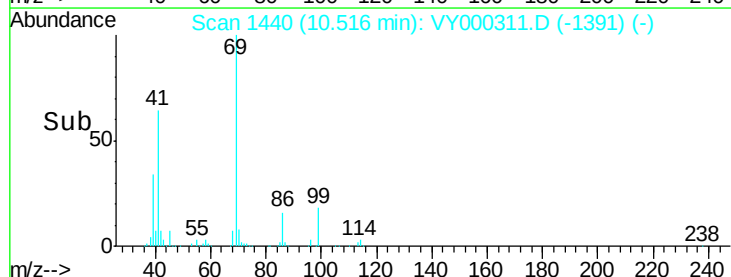
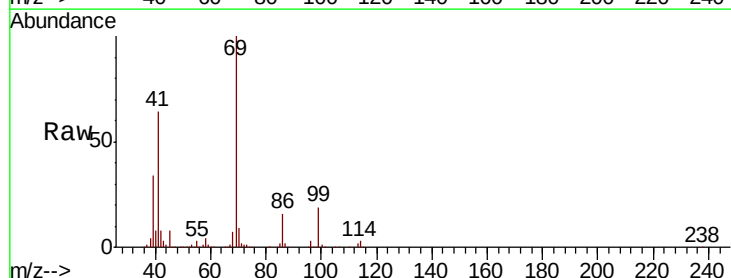
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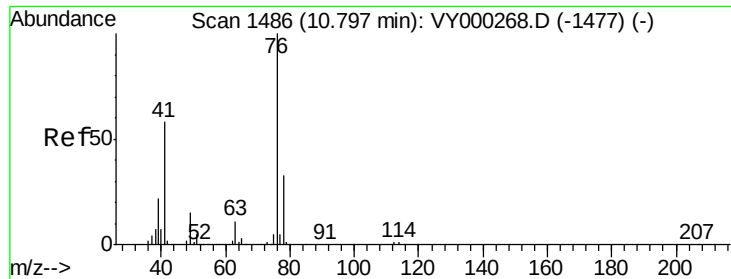
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#56
 Ethyl methacrylate
 Concen: 51.489 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion:	69	Resp:	233914
Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.5	78.7
39	34.2	26.7	40.1





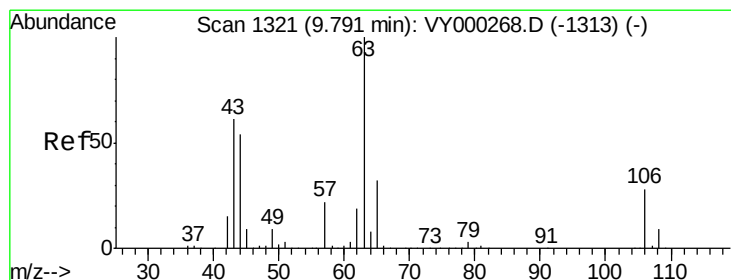
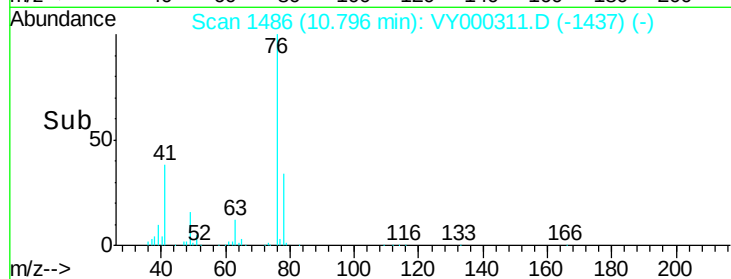
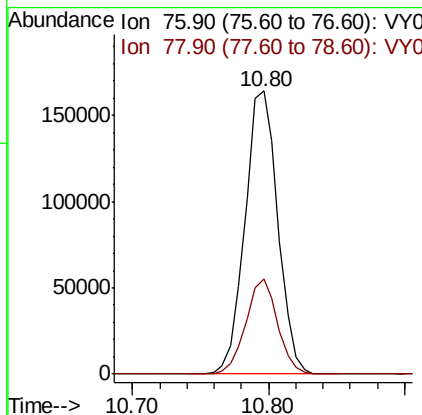
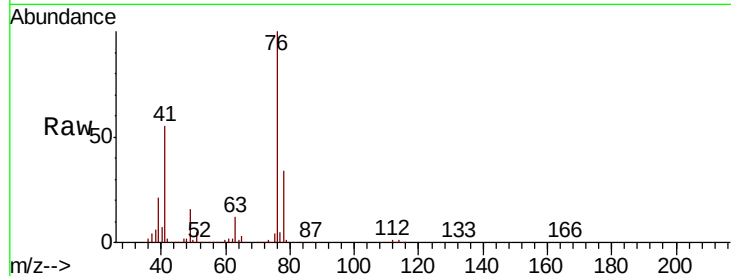
#57
 1,3-Dichloropropane
 Concen: 50.604 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

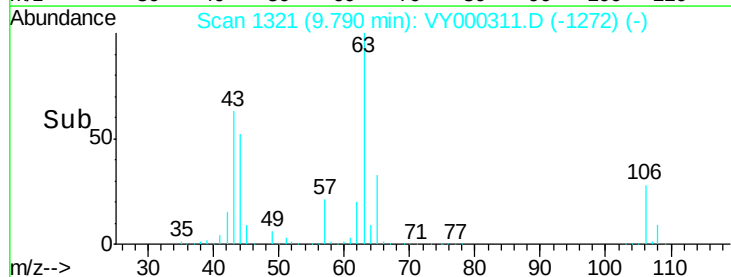
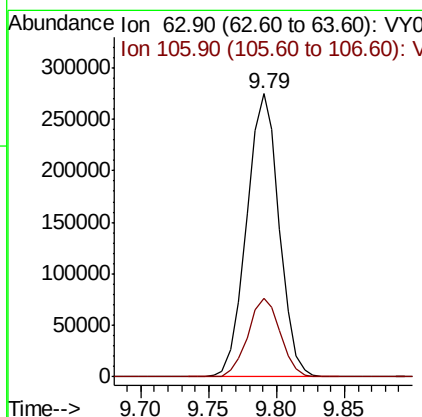
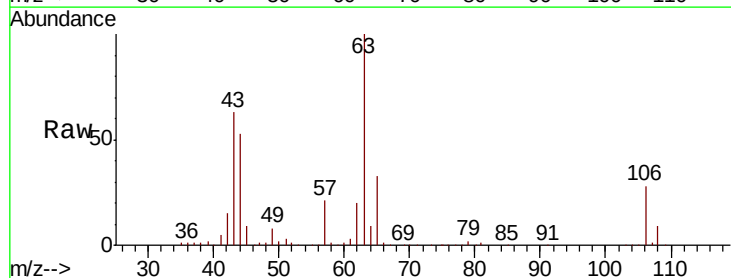
Manual Integrations
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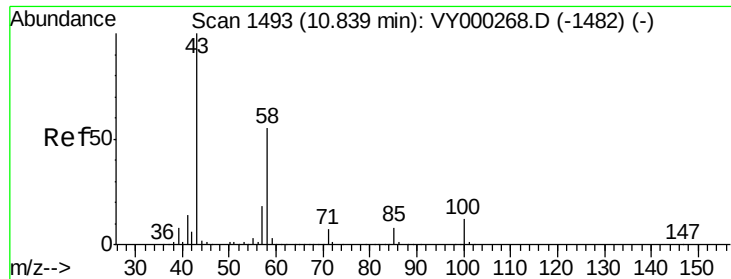
MMDadoda
 10/18/2019 12:40:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.352 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	23.0	34.4





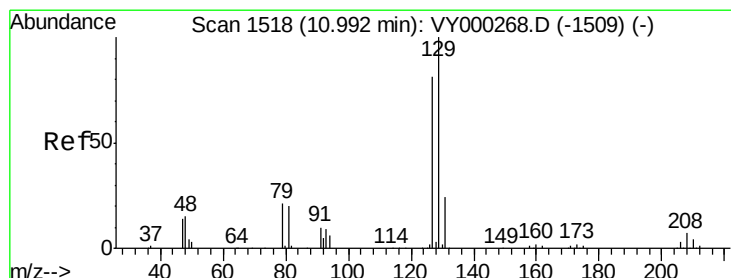
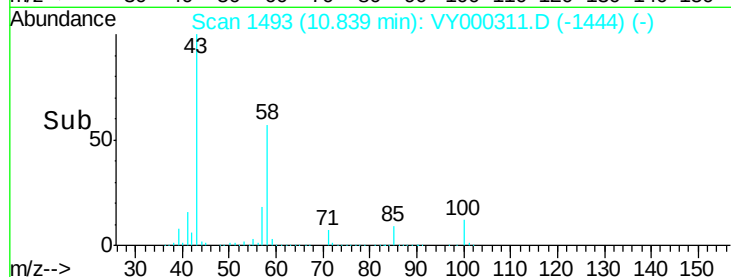
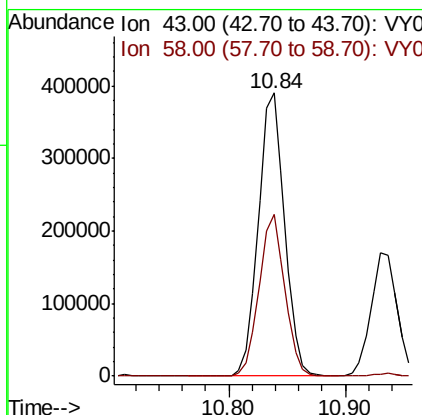
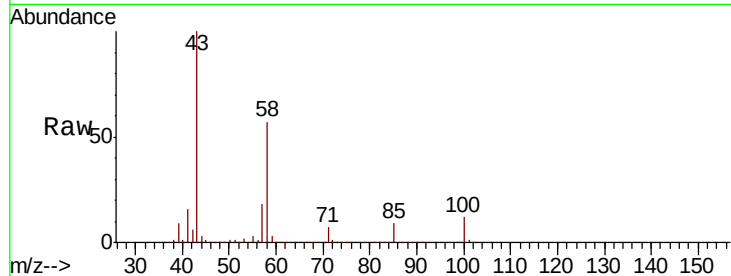
#59
2-Hexanone
Concen: 270.491 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 609613
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.1

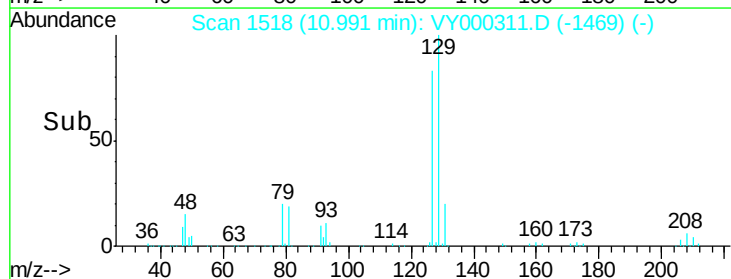
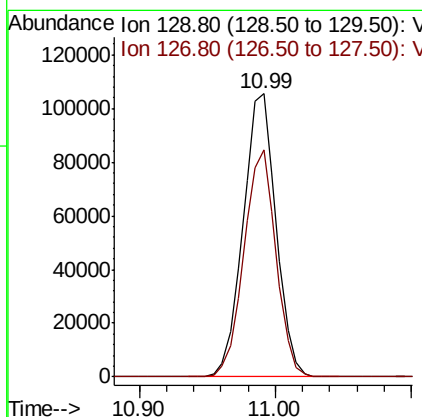
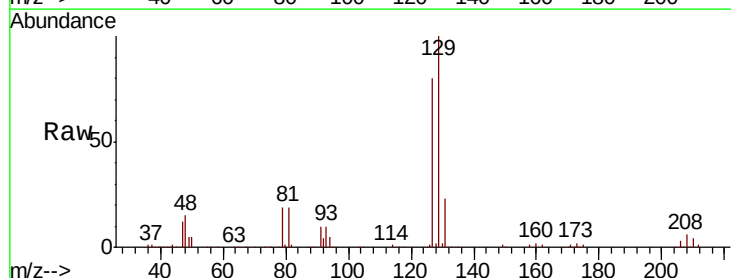
Manual Integrations
APPROVED

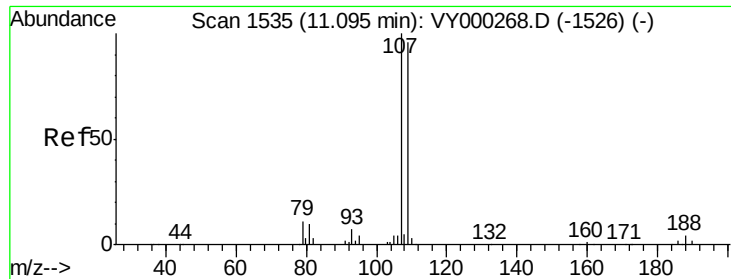
MMDadoda
10/18/2019 12:40:18 AM



#60
Dibromochloromethane
Concen: 50.568 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion: 129 Resp: 178639
Ion Ratio Lower Upper
129 100
127 77.9 39.9 119.7





#61

1,2-Dibromoethane

Concen: 49.442 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 151305

Ion Ratio Lower Upper

107 100

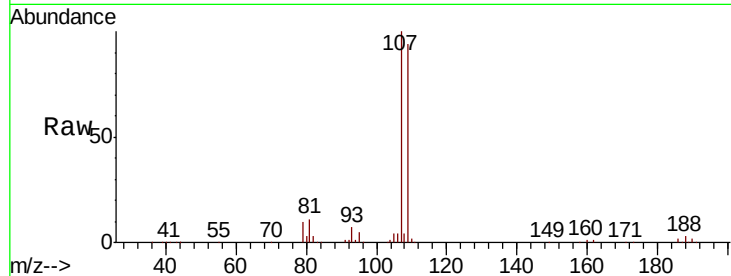
109 94.0 75.1 112.7

Manual Integrations

APPROVED

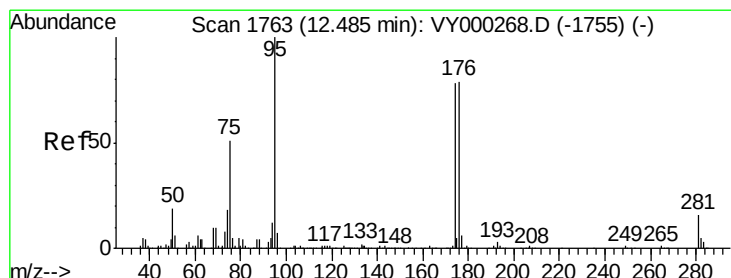
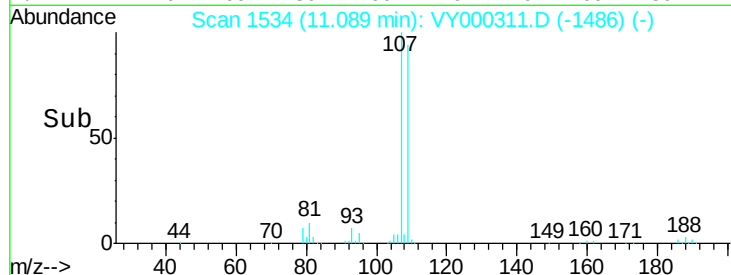
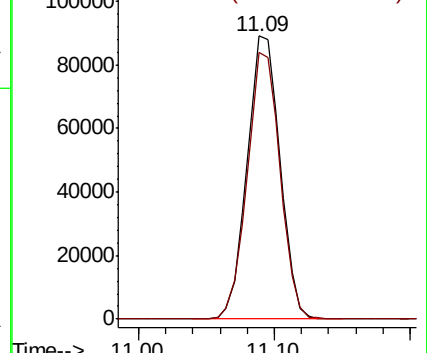
MMDadoda

10/18/2019 12:40:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.644 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

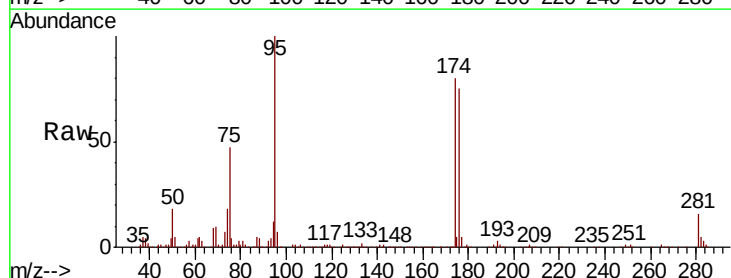
Tgt Ion: 95 Resp: 252132

Ion Ratio Lower Upper

95 100

174 76.8 0.0 159.6

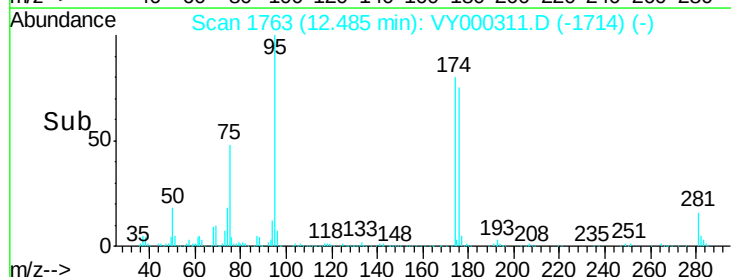
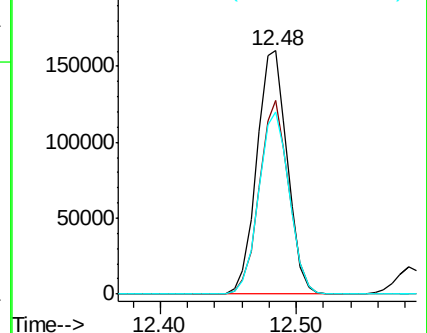
176 75.0 0.0 153.8

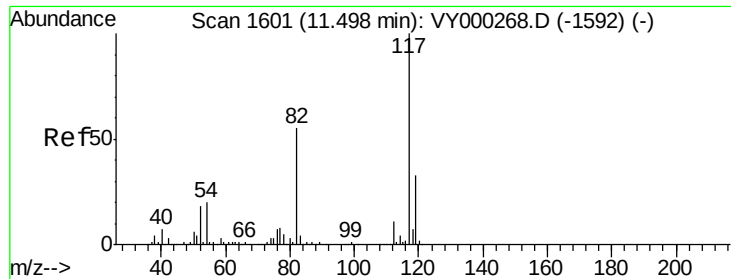


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





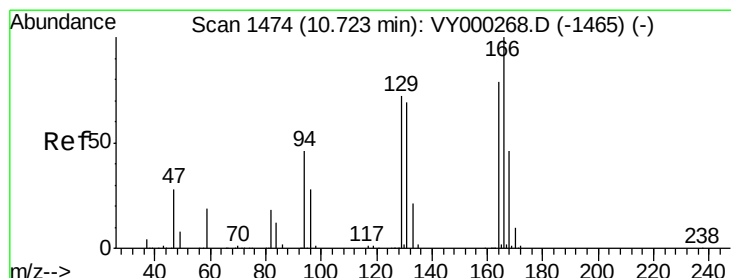
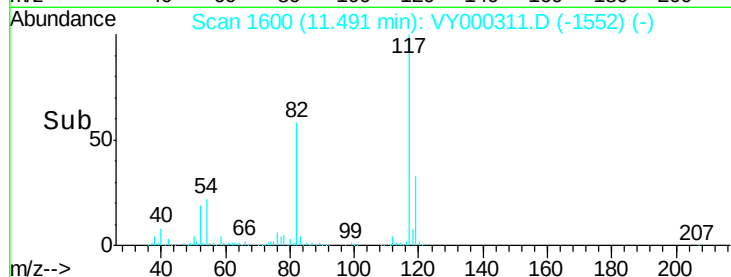
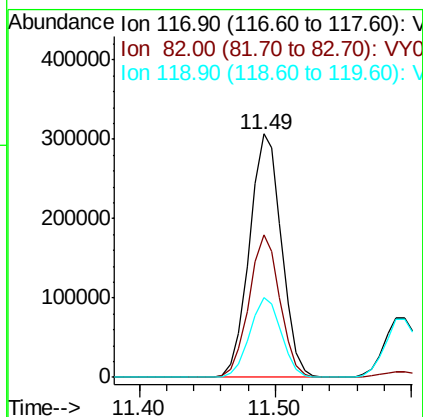
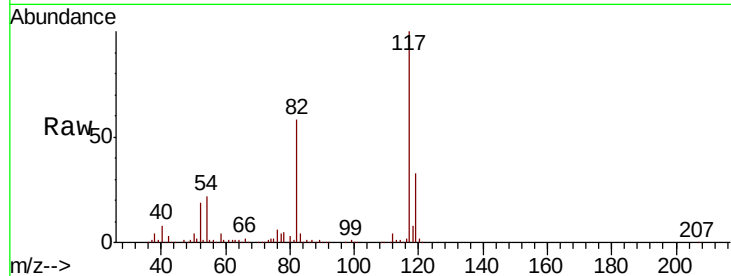
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506705		
82	58.4		43.7	65.5
119	32.5		26.6	39.8

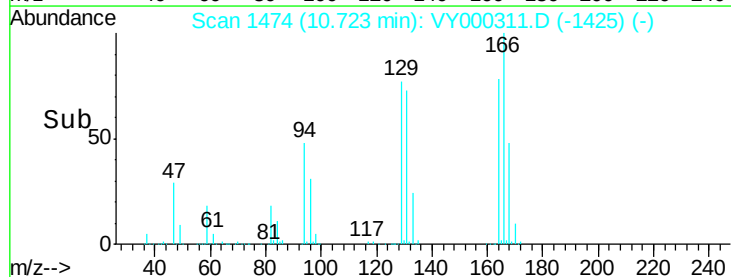
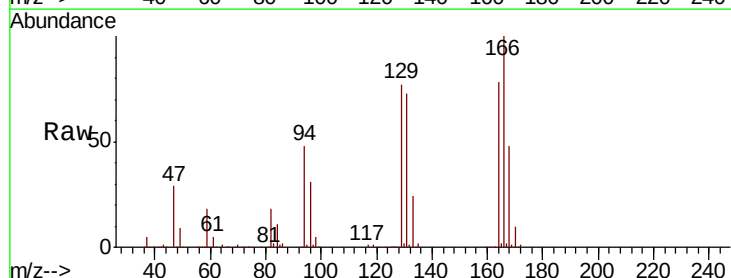
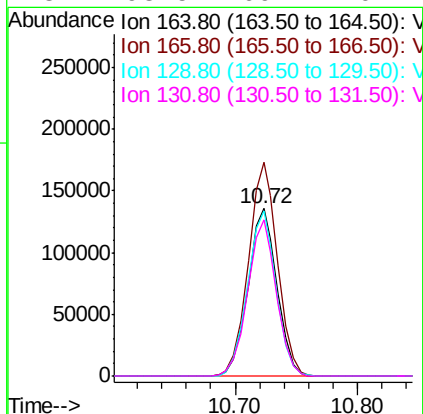
Manual Integrations
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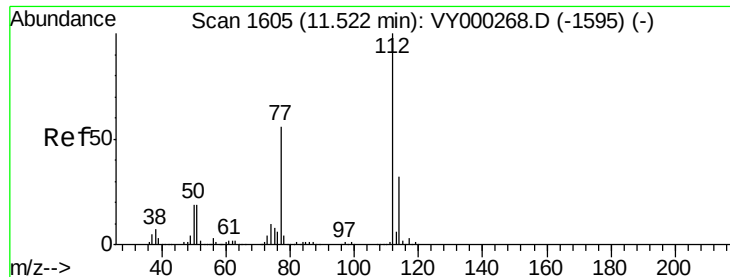
MMDadoda
10/18/2019 12:40:18 AM



#64
Tetrachloroethene
Concen: 46.125 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222503		
166	127.6		100.6	151.0
129	98.3		72.8	109.2
131	93.5		69.4	104.2





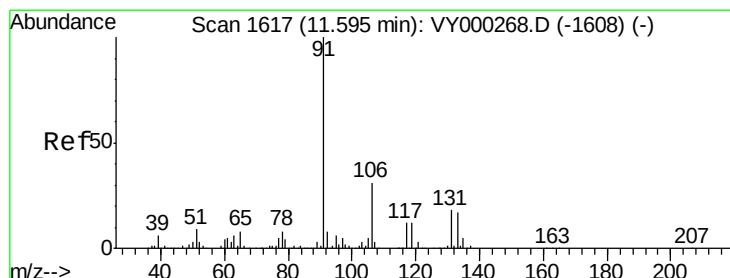
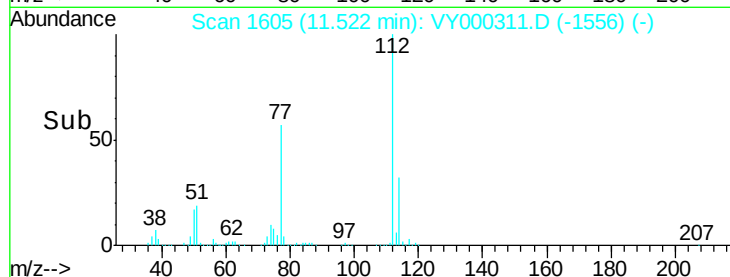
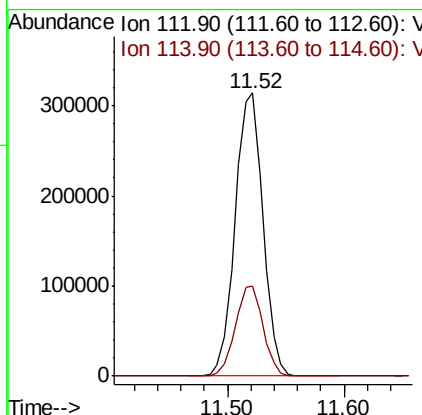
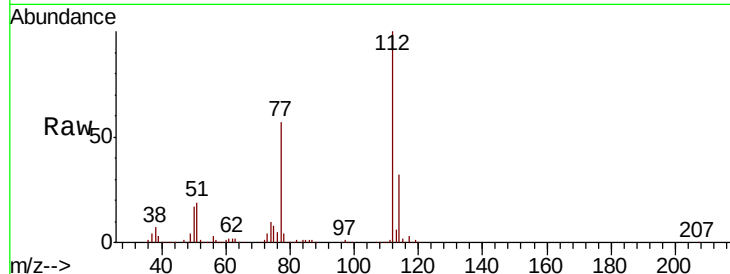
#65
Chlorobenzene
Concen: 48.877 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

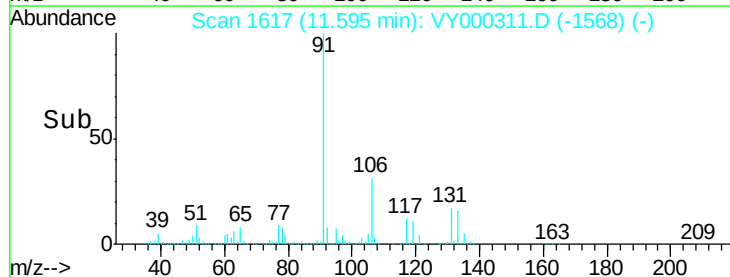
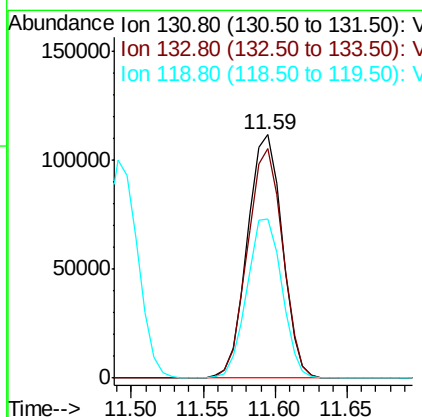
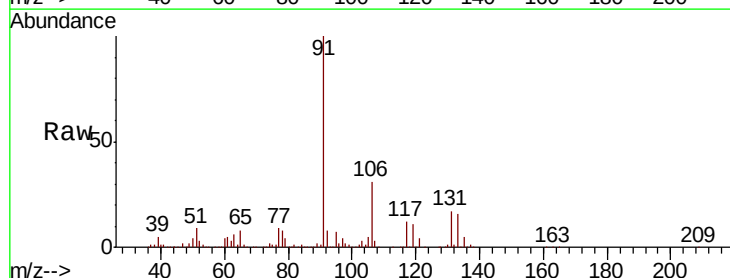
Manual Integrations
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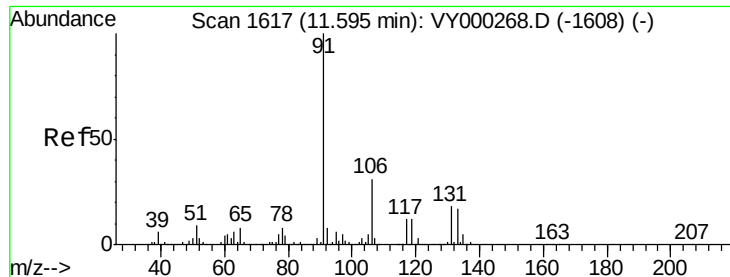
MMDadoda
10/18/2019 12:40:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.768 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.2	141.6
119	65.6	32.6	98.0





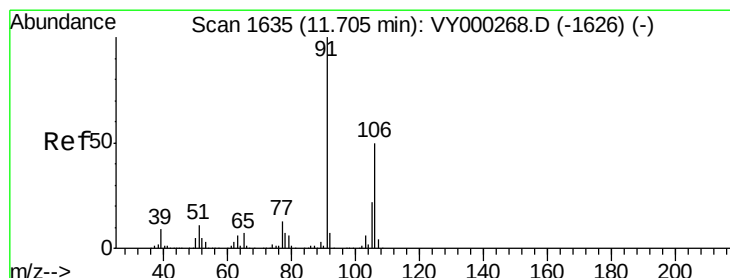
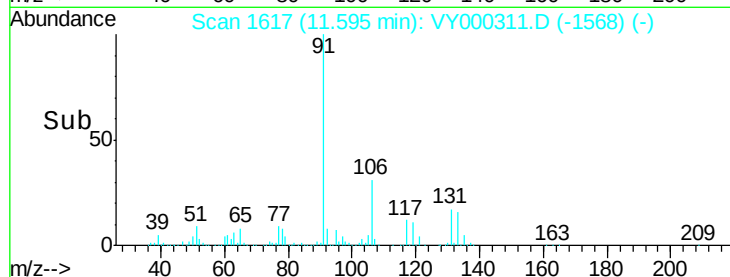
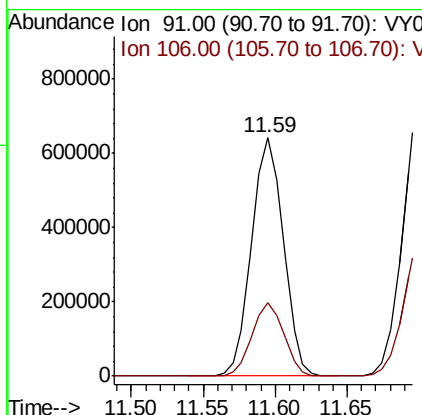
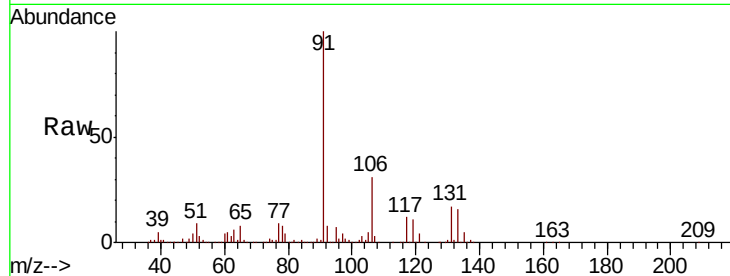
#67
Ethyl Benzene
Concen: 49.449 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.6

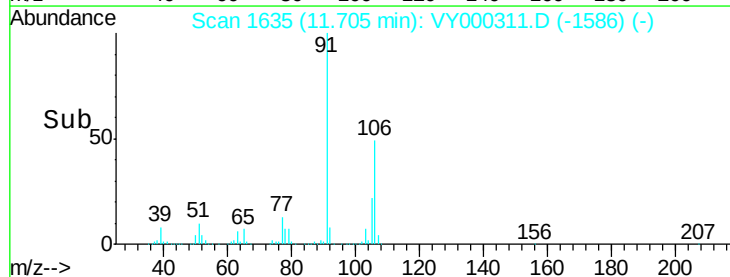
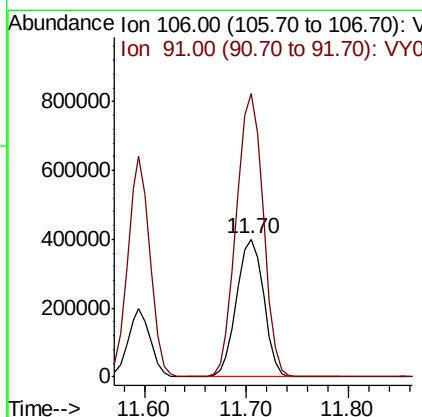
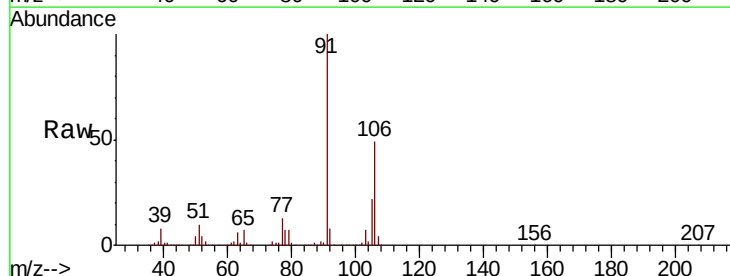
Manual Integrations
APPROVED

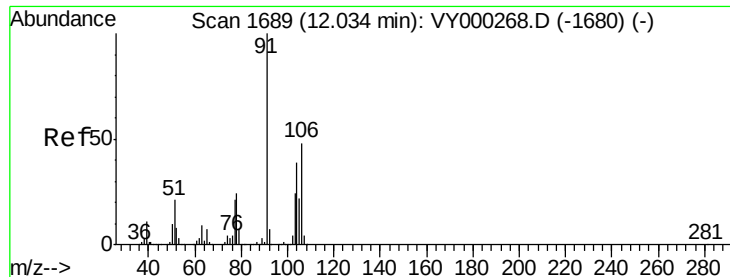
MMDadoda
10/18/2019 12:40:18 AM



#68
m/p-Xylenes
Concen: 97.168 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.0	157.5	236.3





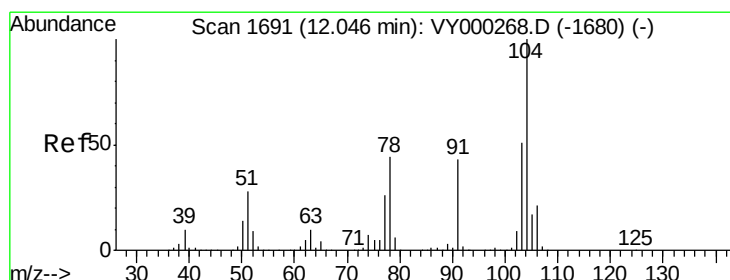
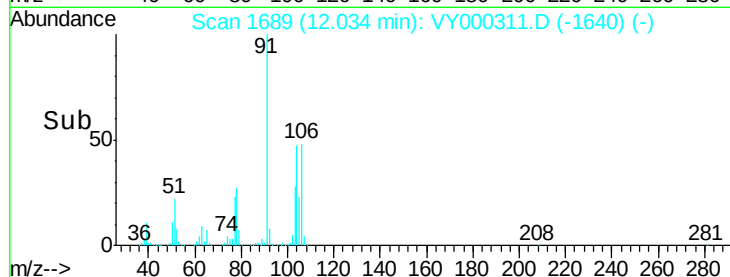
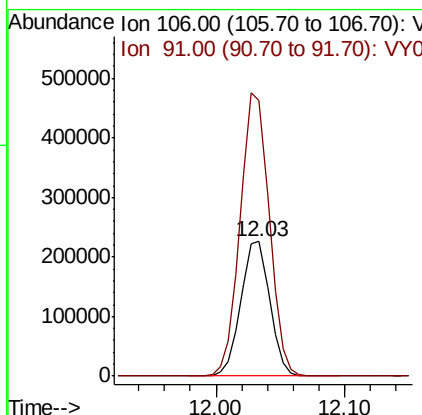
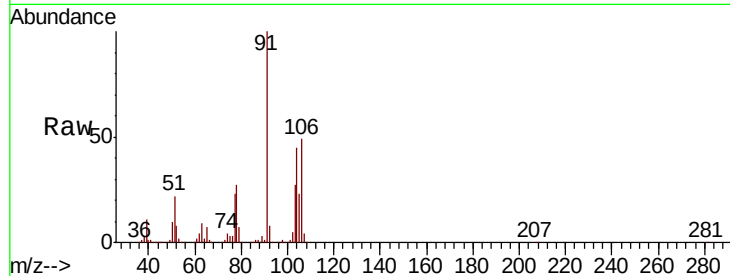
#69
o-Xylene
Concen: 48.670 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.3	104.7	313.9	

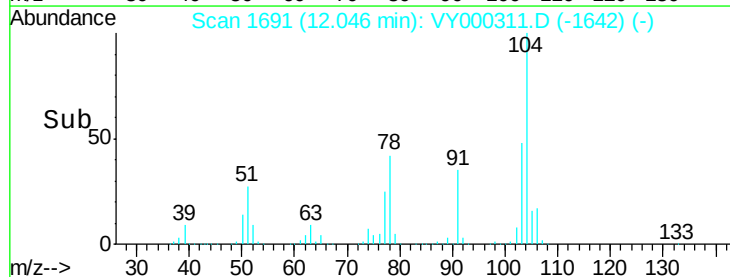
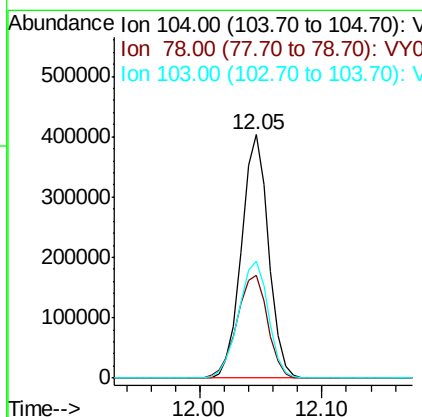
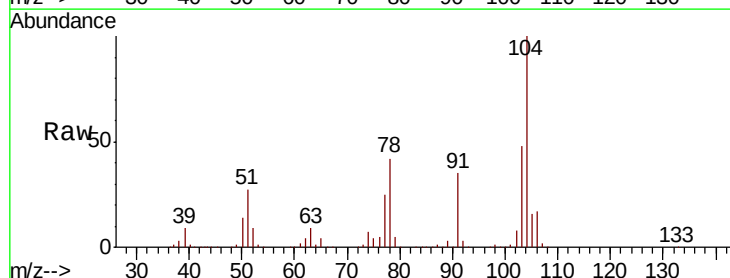
Manual Integrations
APPROVED

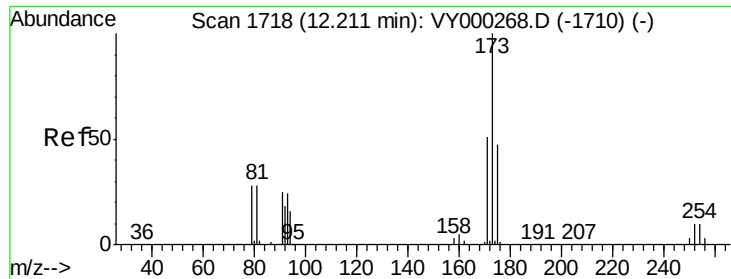
MMDadoda
10/18/2019 12:40:18 AM



#70
Styrene
Concen: 50.532 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.2	39.0	58.6	
103	53.3	43.1	64.7	





#71

Bromoform

Concen: 50.159 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

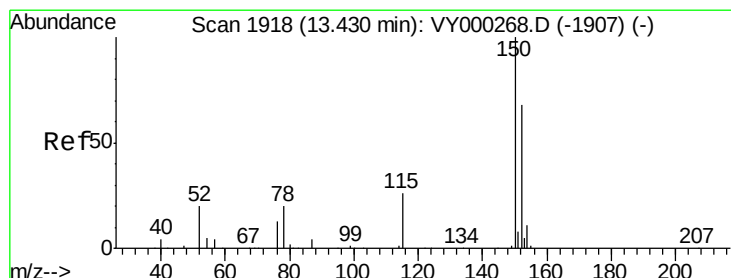
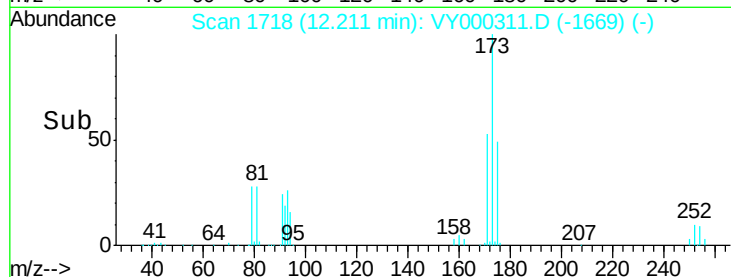
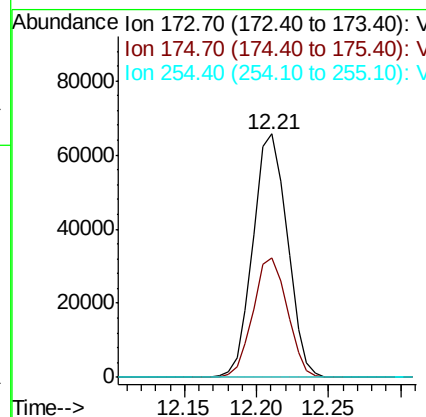
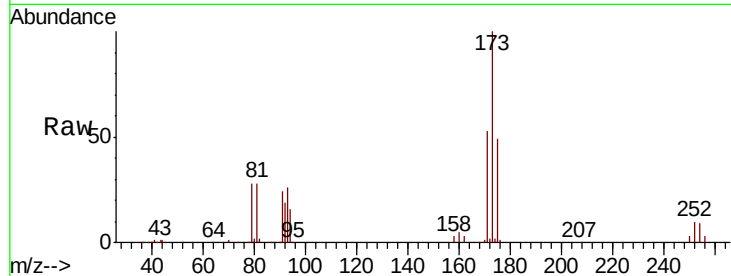
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.1	0.1	0.1

Manual Integrations
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10/18/2019 12:40:18 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

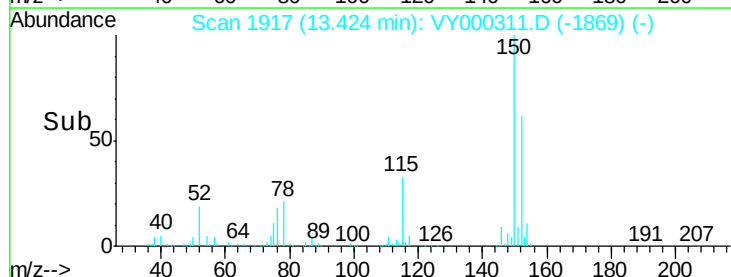
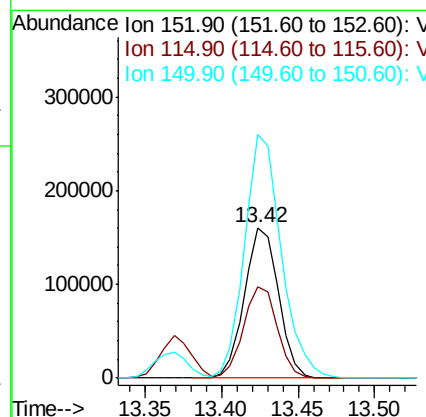
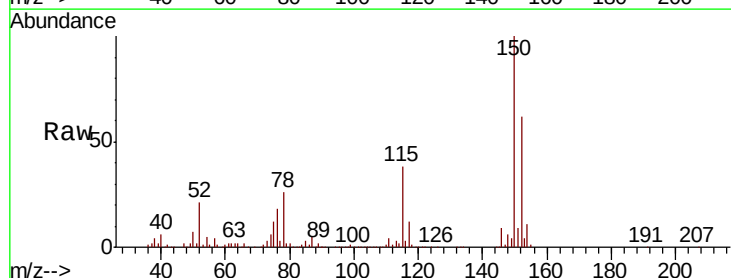
RT: 13.42 min Scan# 1917

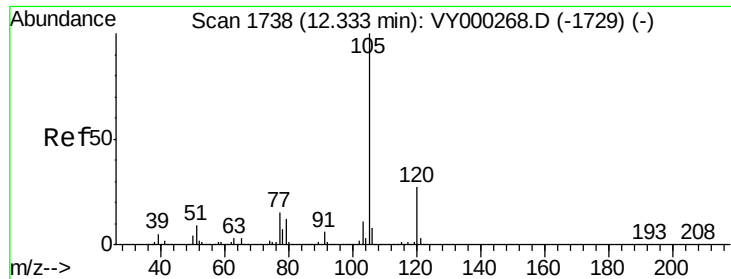
Delta R.T. -0.01 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.3	88.0
150	175.2	0.0	348.4





#73

Isopropylbenzene

Concen: 49.804 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 963799

Ion Ratio Lower Upper

105 100

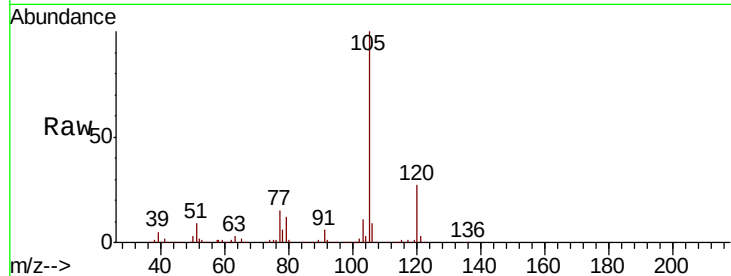
120 26.9 13.4 40.2

Manual Integrations

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10/18/2019 12:40:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

600000

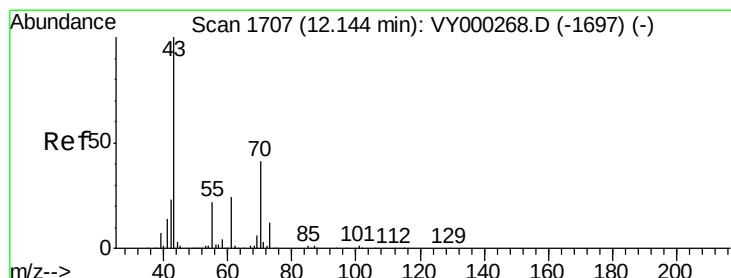
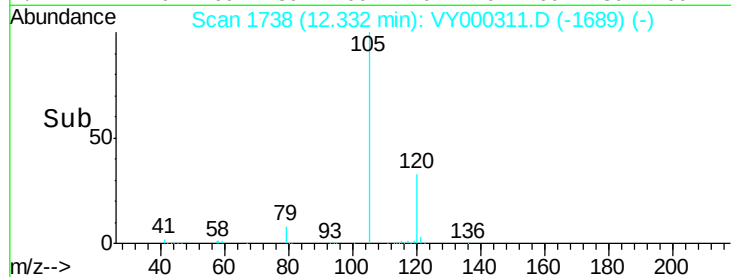
400000

200000

0

Time-->

12.30 12.40



#74

N-ethyl acetate

Concen: 58.769 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion: 43 Resp: 279202

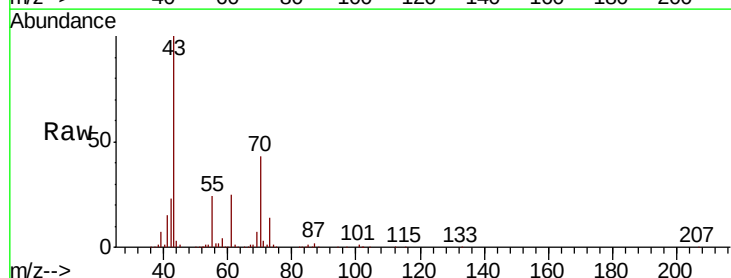
Ion Ratio Lower Upper

43 100

70 43.0 32.9 49.3

55 23.2 17.8 26.6

61 25.5 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

300000

250000

200000

150000

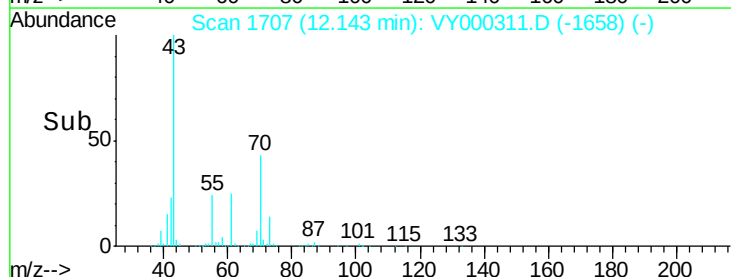
100000

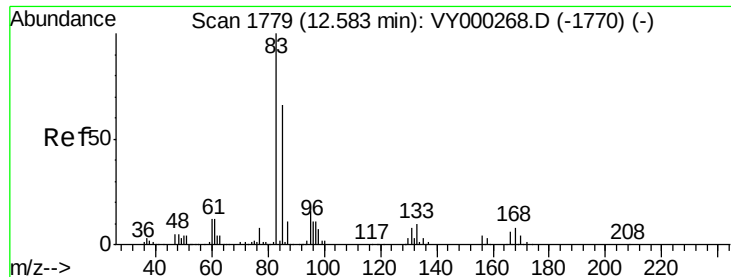
50000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 50.404 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

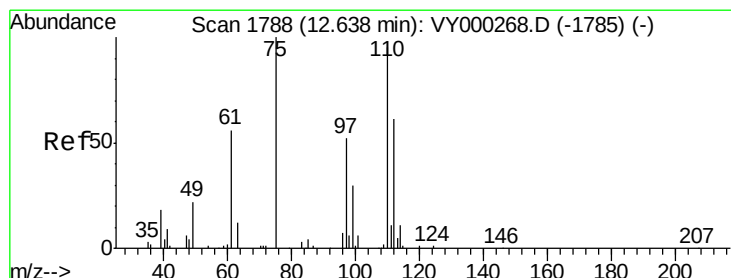
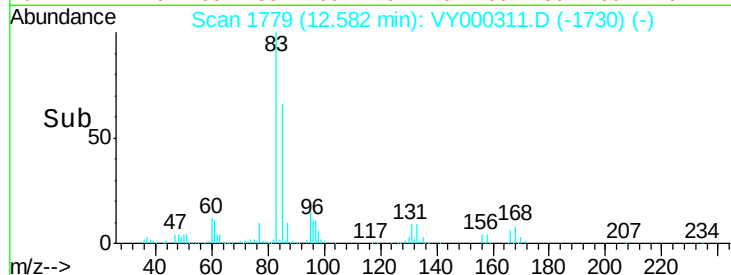
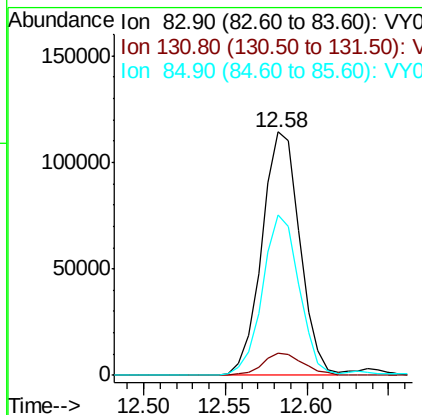
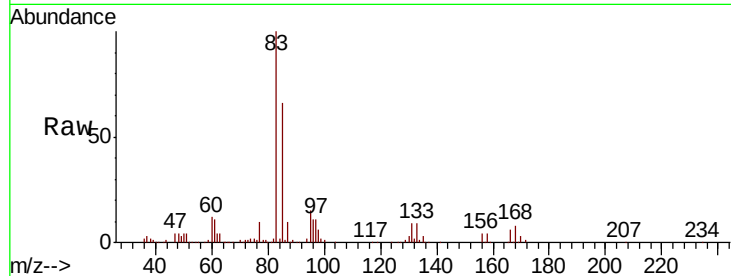
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	183139
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	16.1
85	63.5	32.9	98.7

Manual Integrations
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10/18/2019 12:40:18 AM



#76

1,2,3-Trichloropropane

Concen: 48.277 ug/l m

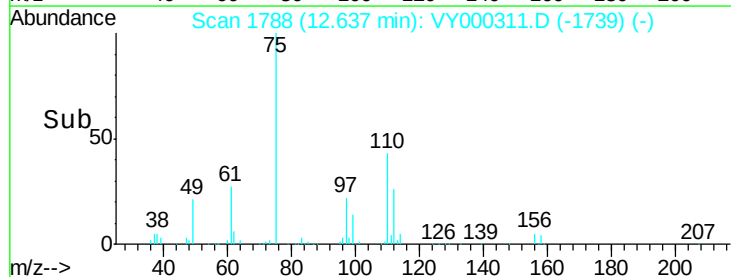
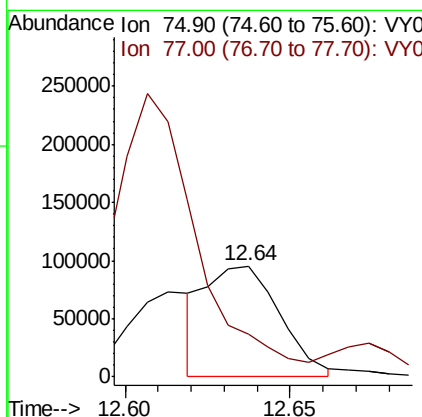
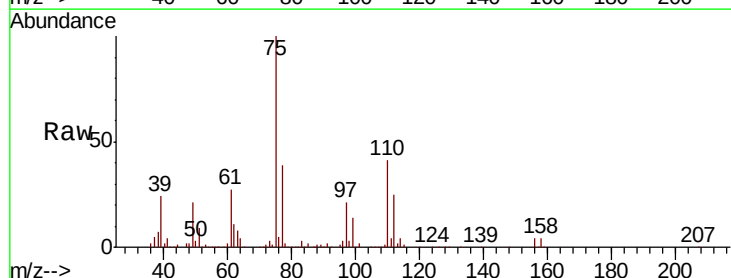
RT: 12.64 min Scan# 1788

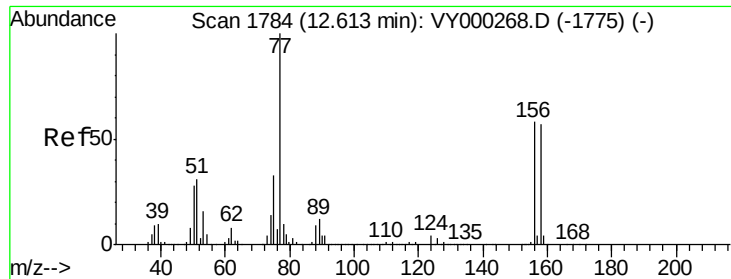
Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion:	75	Resp:	147333
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





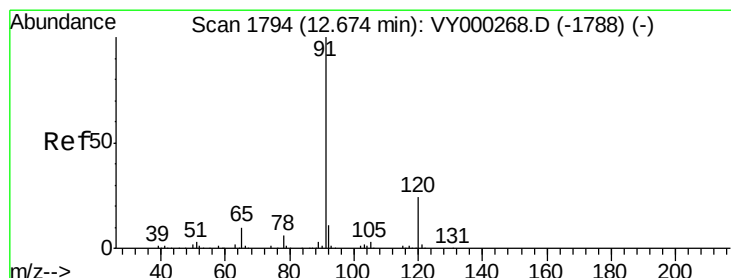
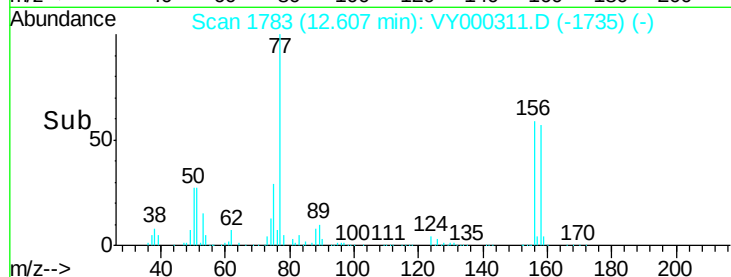
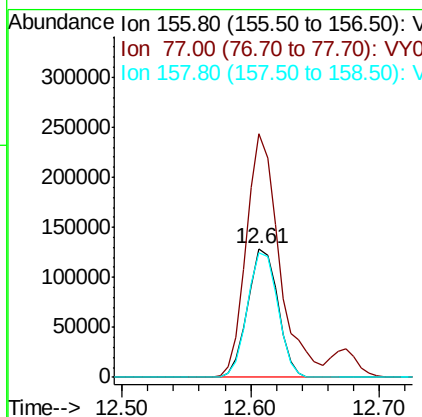
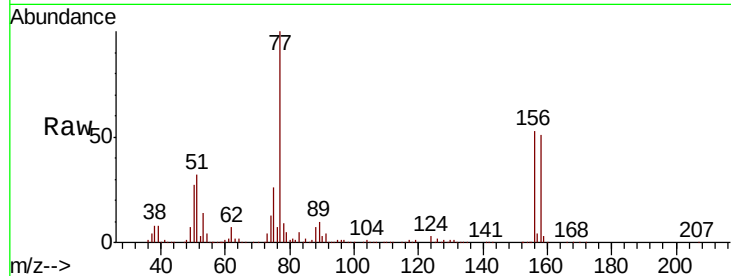
#77
Bromobenzene
Concen: 48.304 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.01 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	208.0	101.0	302.9	
158	97.8	49.7	149.1	

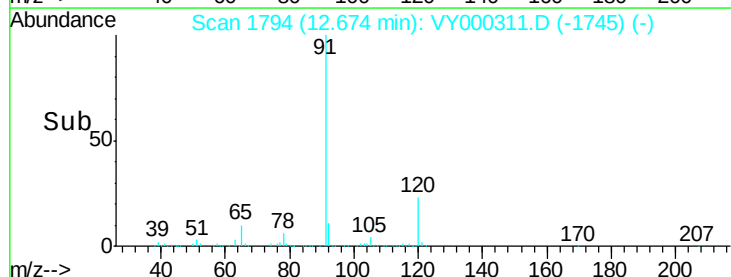
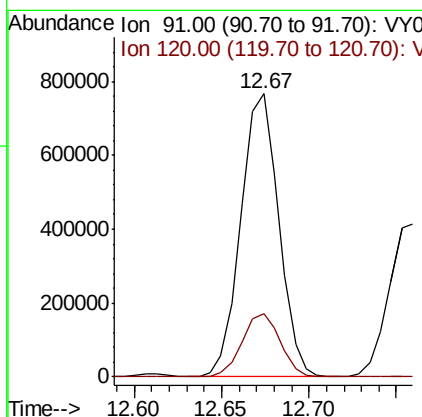
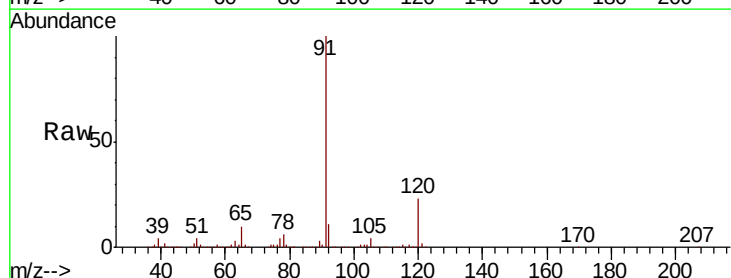
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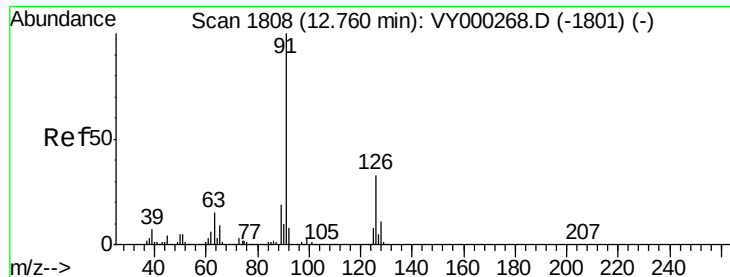
MMDadoda
10/18/2019 12:40:18 AM



#78
n-propylbenzene
Concen: 49.790 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.6	11.5	34.5	





#79

2-Chlorotoluene

Concen: 50.536 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 648463

Ion Ratio Lower Upper

91 100

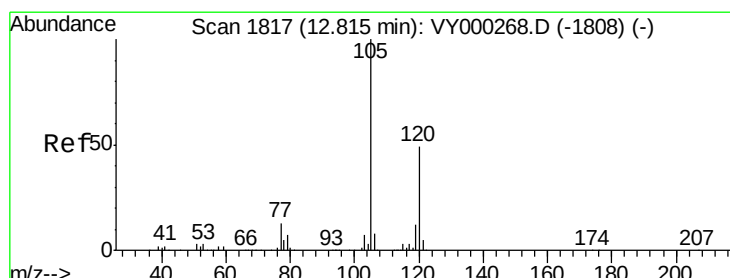
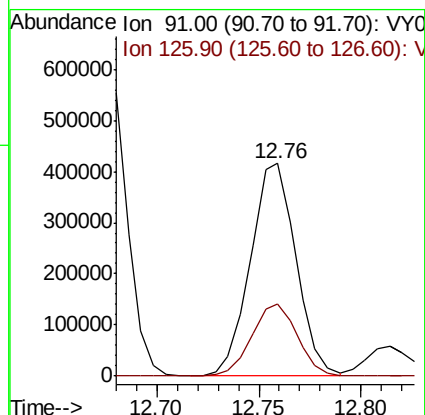
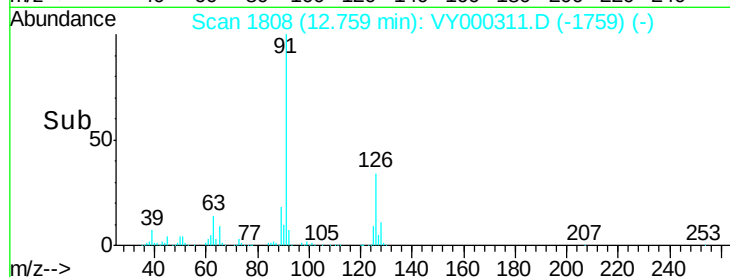
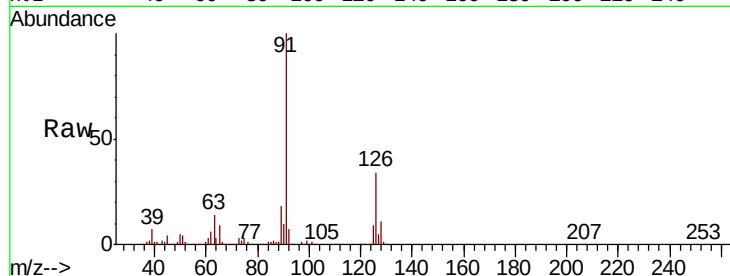
126 33.8 17.1 51.3

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#80

1,3,5-Trimethylbenzene

Concen: 50.003 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000311.D

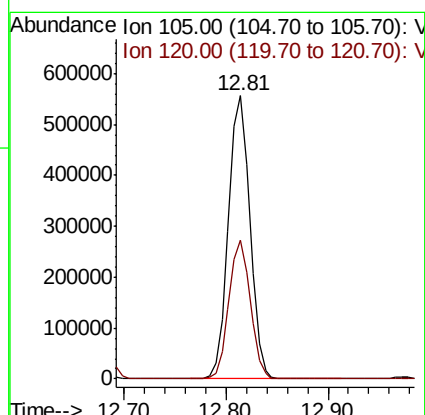
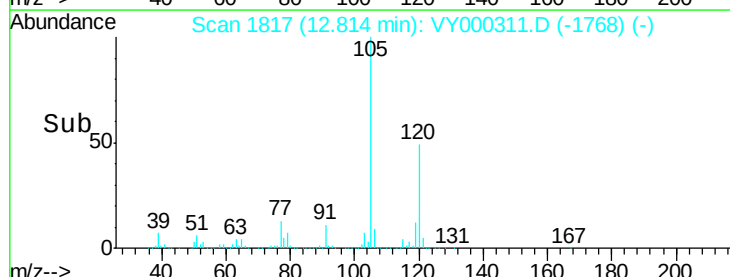
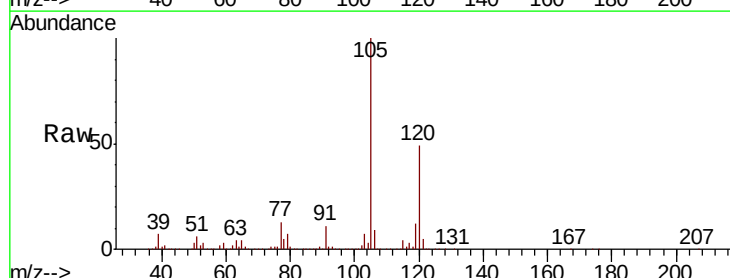
Acq: 15 Oct 2019 11:23

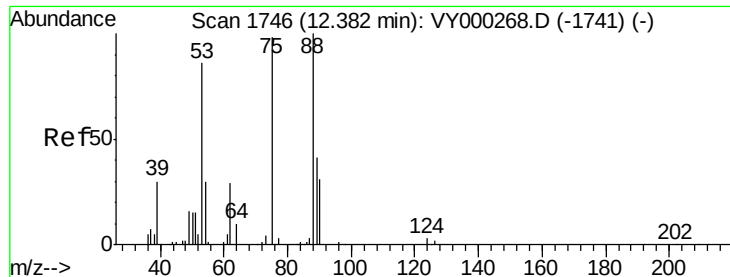
Tgt Ion: 105 Resp: 811405

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.140 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

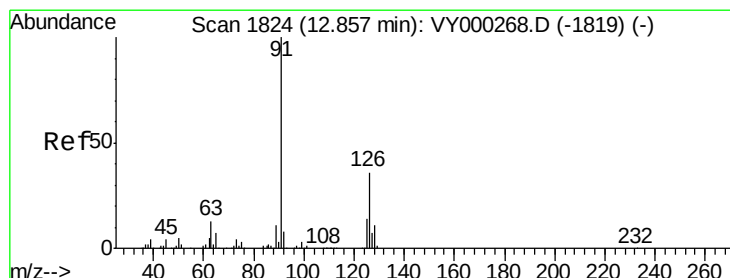
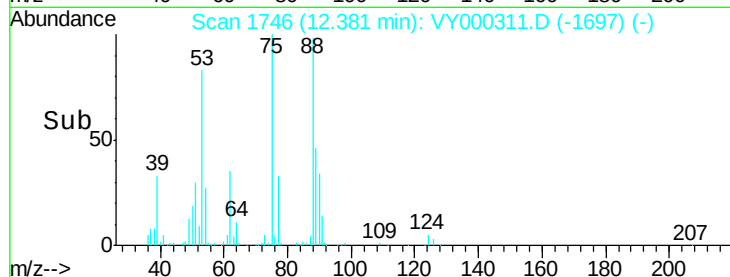
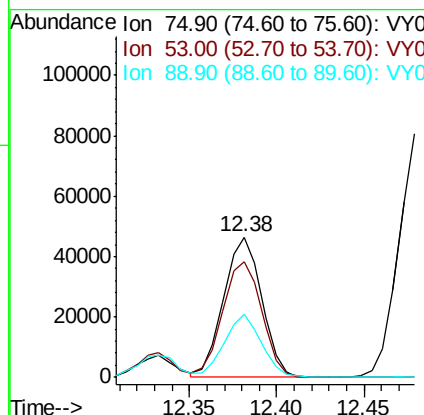
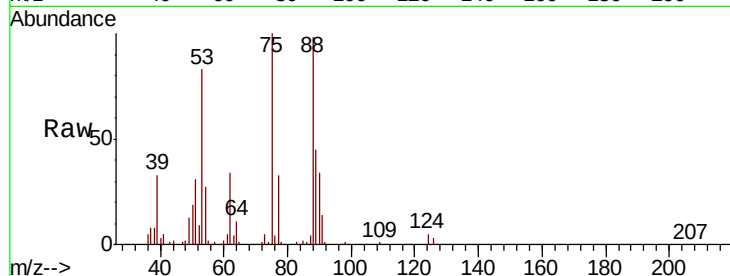
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	69937
Ion	Ratio	Lower	Upper
75	100		
53	85.9	71.3	106.9
89	44.3	35.1	52.7

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#82

4-Chlorotoluene

Concen: 50.904 ug/l

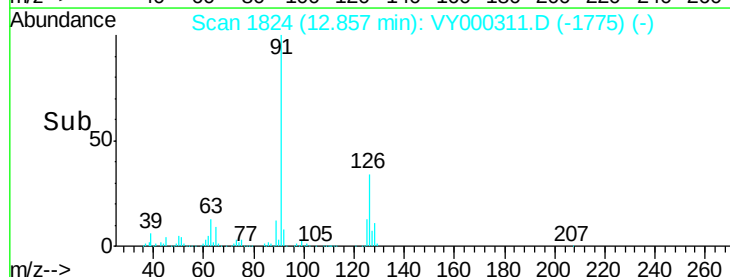
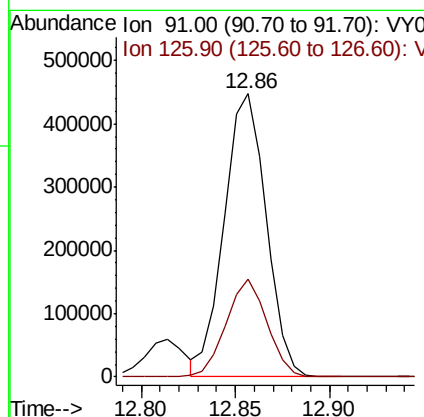
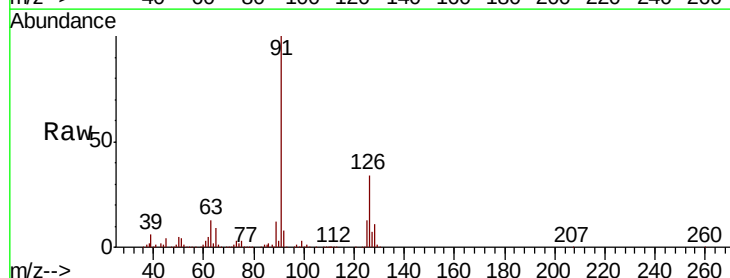
RT: 12.86 min Scan# 1824

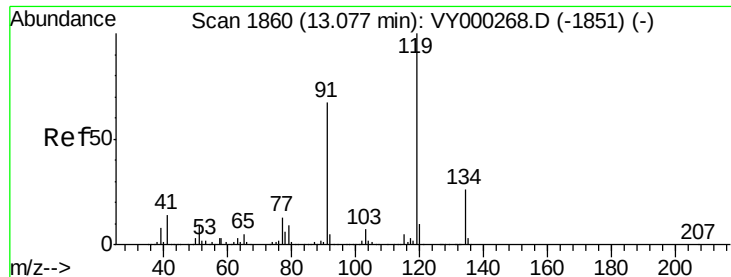
Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion:	91	Resp:	690455
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.2	51.5





#83

tert-Butylbenzene

Concen: 49.221 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

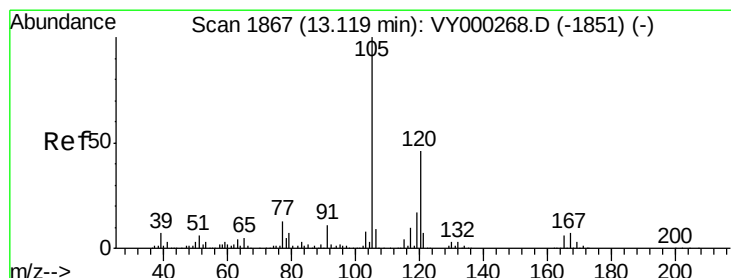
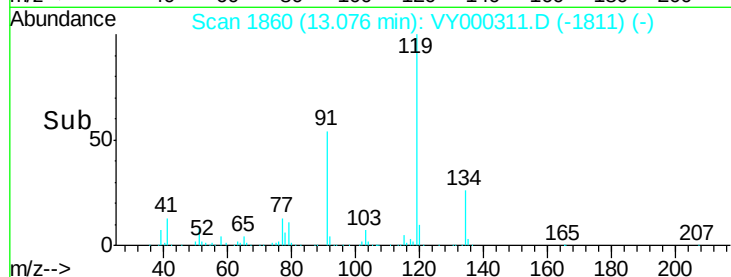
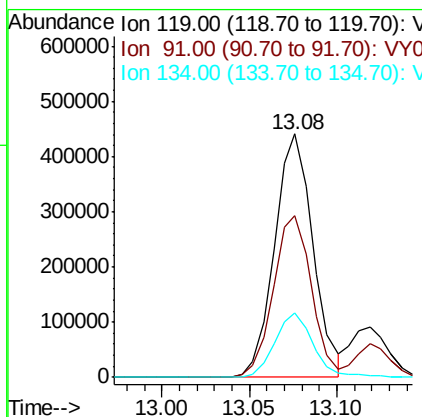
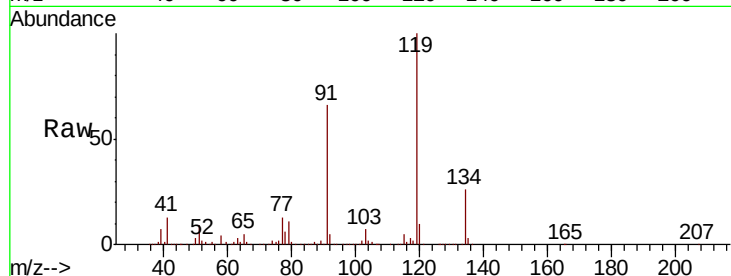
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		676386		
91	66.1	32.9	98.7		
134	26.6	13.3	39.8		

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#84

1,2,4-Trimethylbenzene

Concen: 49.922 ug/l

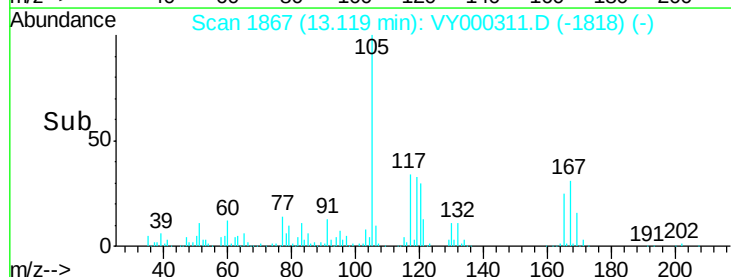
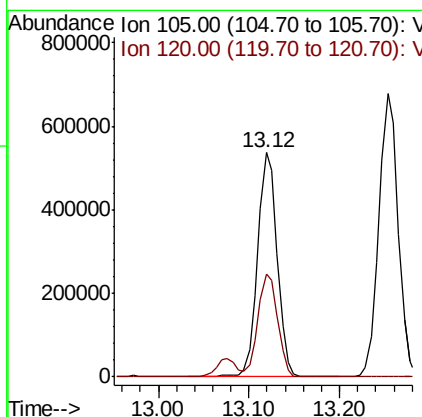
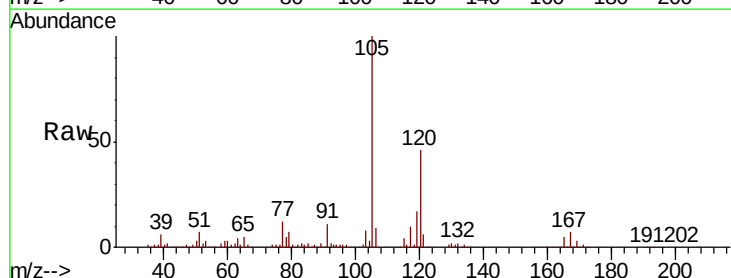
RT: 13.12 min Scan# 1867

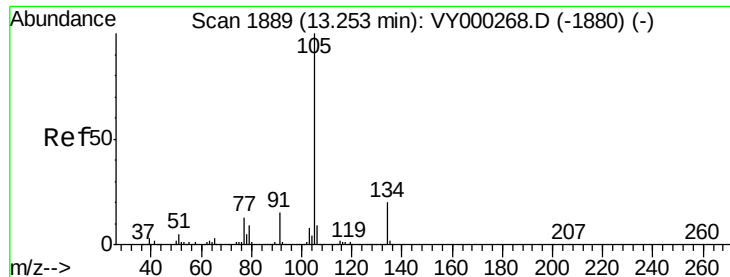
Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		799526		
120	46.1	22.9	68.8		





#85

sec-Butylbenzene

Concen: 50.215 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 998242

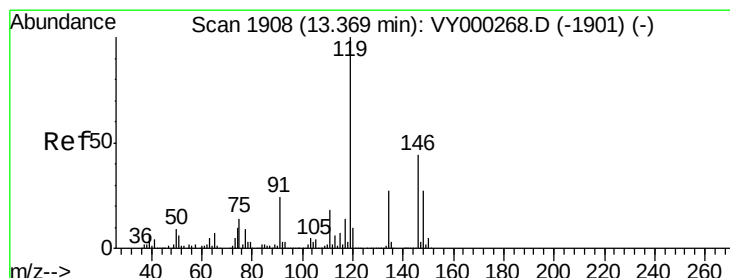
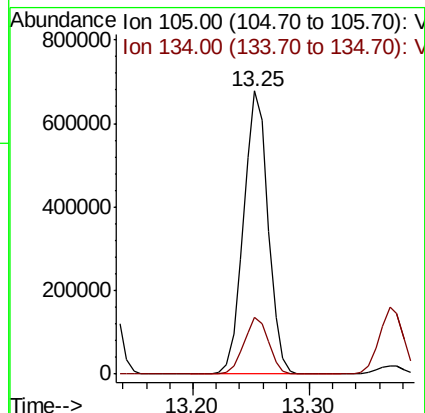
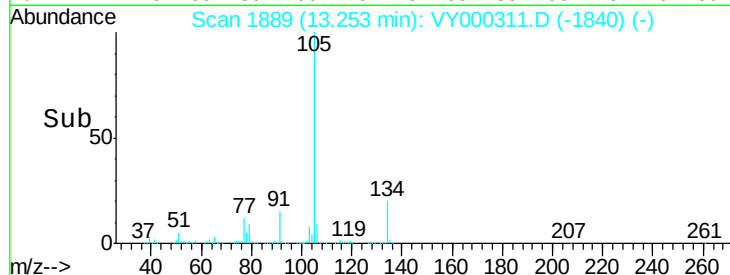
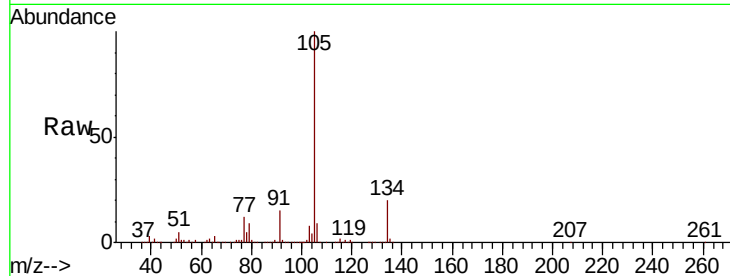
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 49.997 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

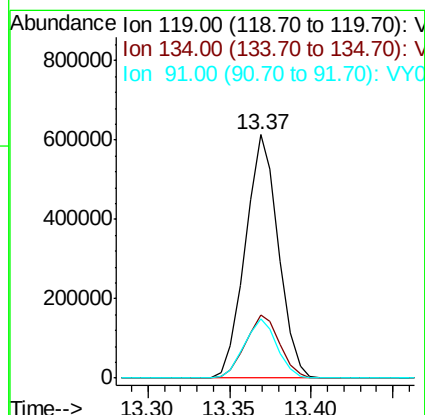
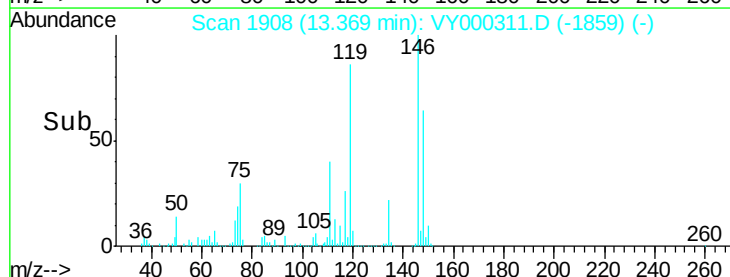
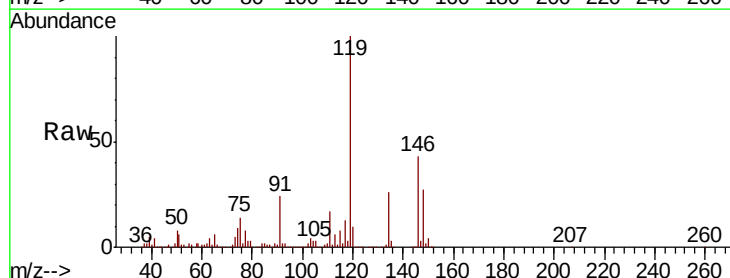
Tgt Ion:119 Resp: 866492

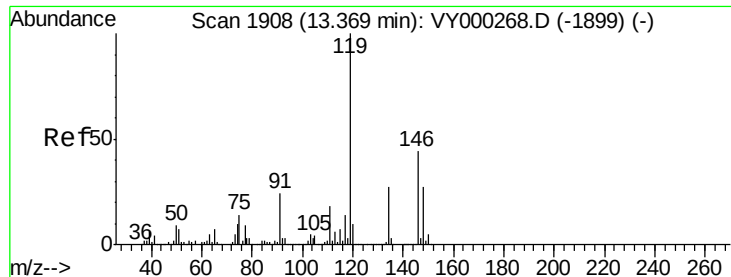
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 48.526 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Instrument :

MSVOA_Y

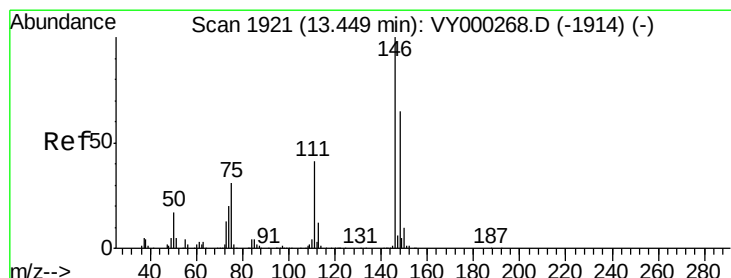
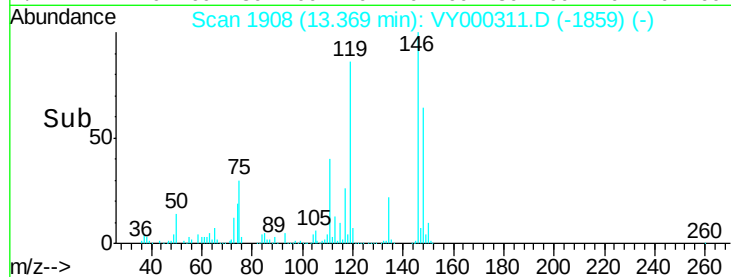
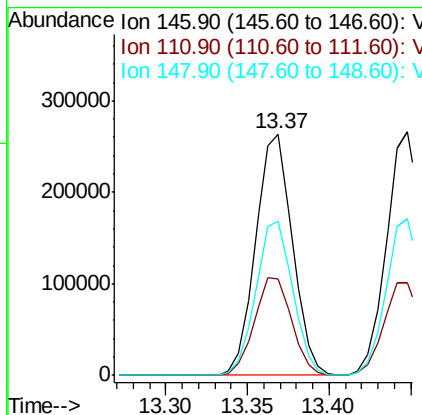
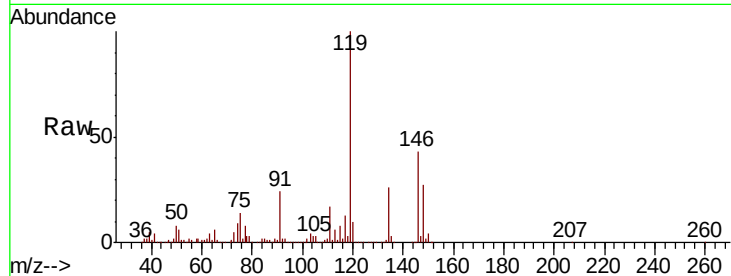
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	411719
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.6	61.8
148	64.3	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 48.756 ug/l

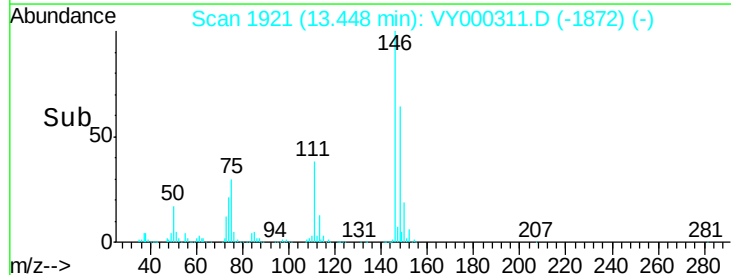
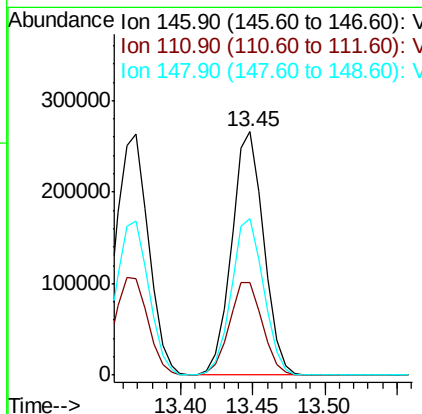
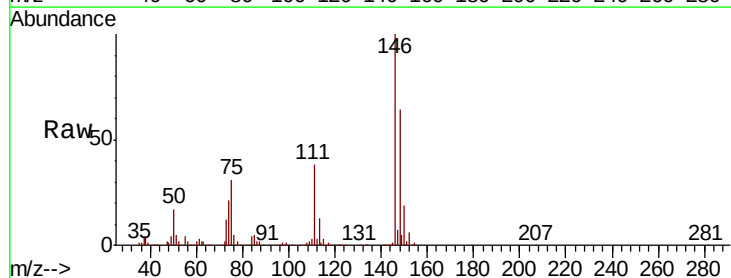
RT: 13.45 min Scan# 1921

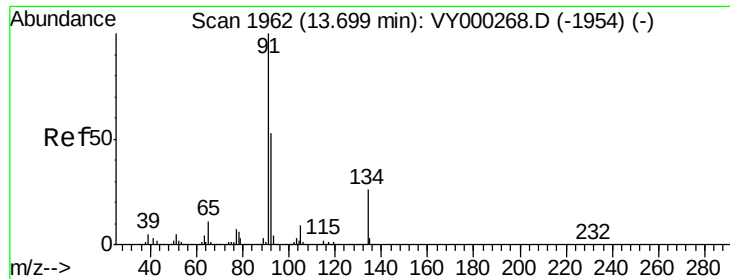
Delta R.T. -0.00 min

Lab File: VY000311.D

Acq: 15 Oct 2019 11:23

Tgt Ion:	146	Resp:	413468
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.1	60.2
148	64.8	32.4	97.2





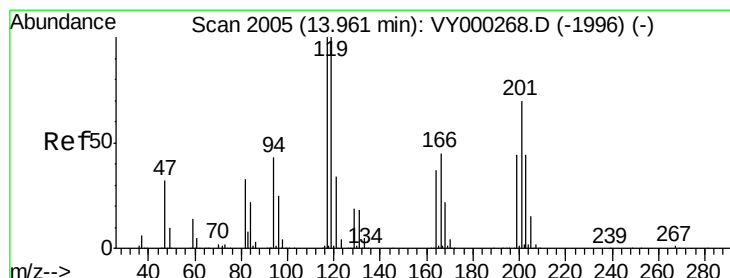
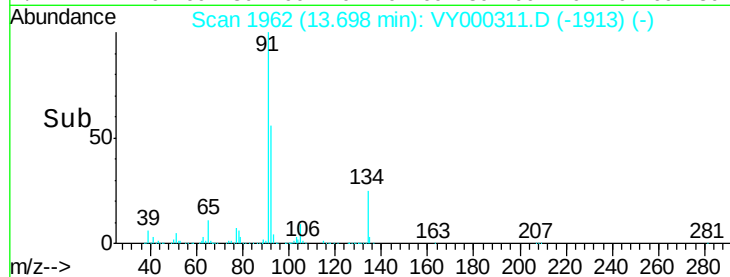
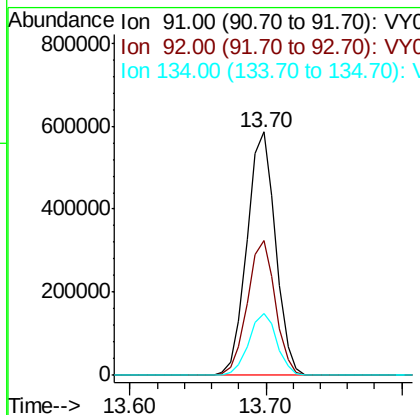
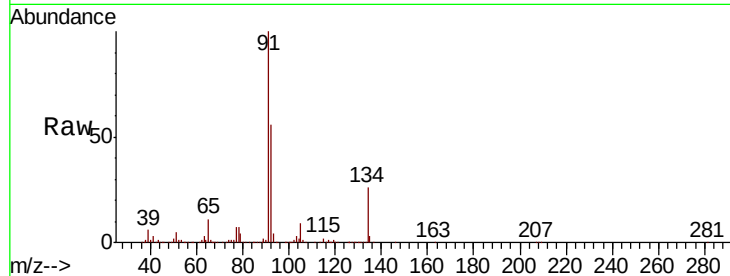
#89
n-Butylbenzene
Concen: 50.203 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.1
134	25.2	13.0	38.9

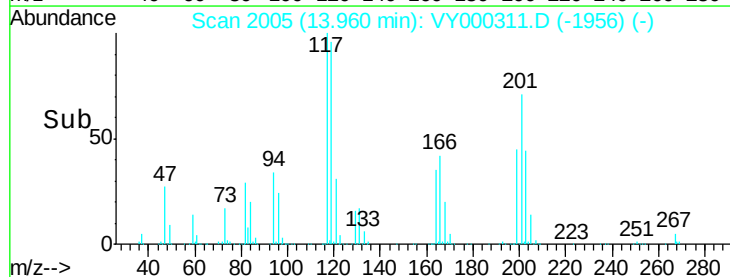
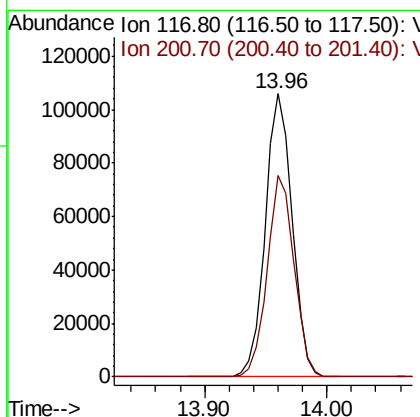
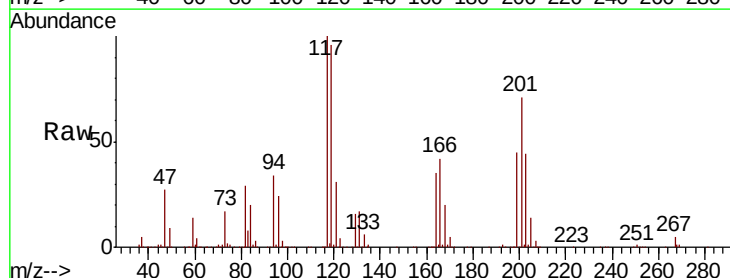
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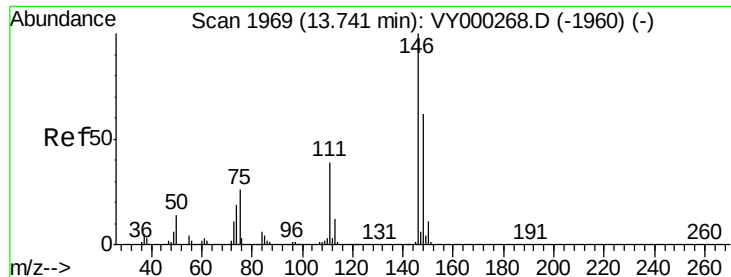
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#90
Hexachloroethane
Concen: 50.456 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	36.3	108.7





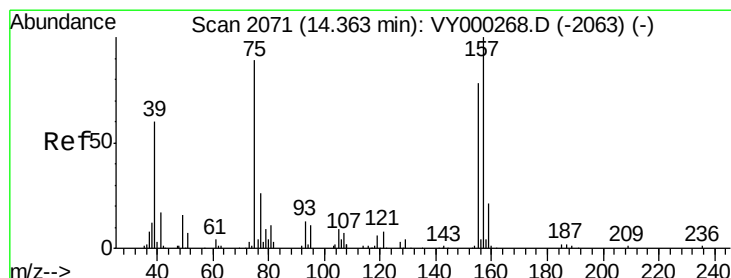
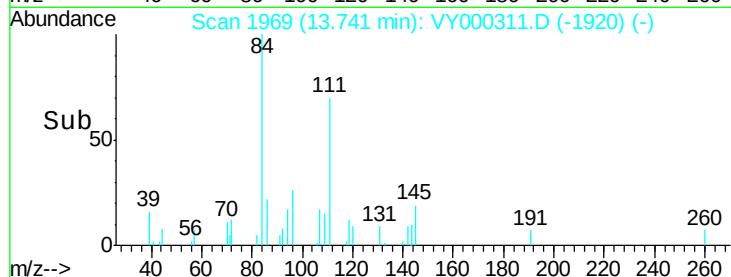
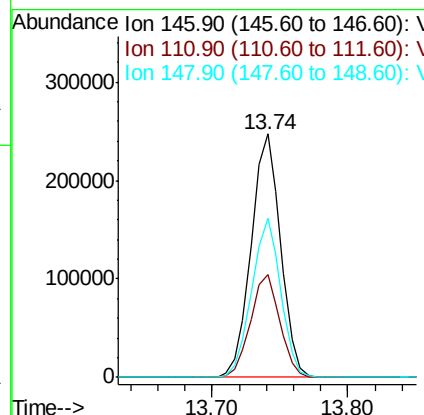
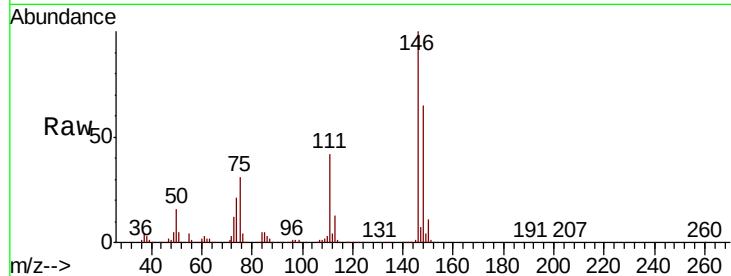
#91
 1,2-Dichlorobenzene
 Concen: 48.813 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.5
148	64.5	31.6	95.0

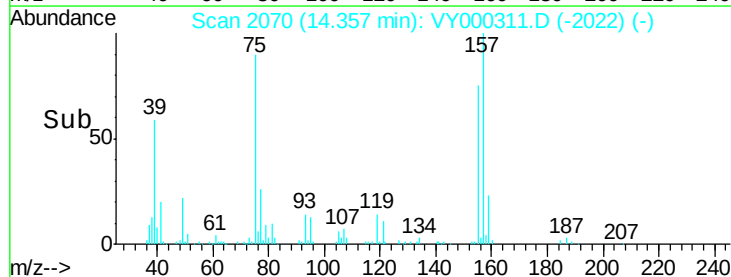
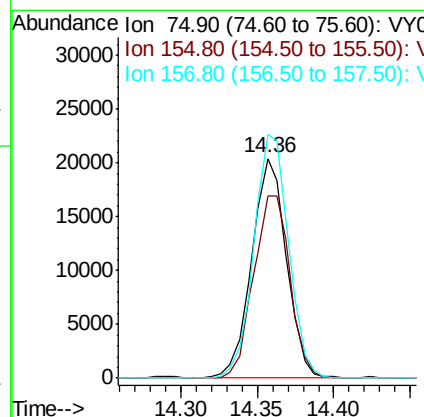
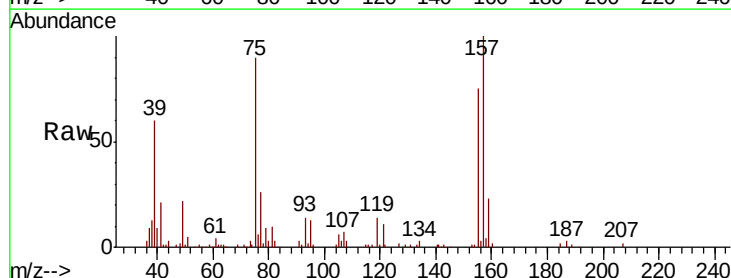
Manual Integrations
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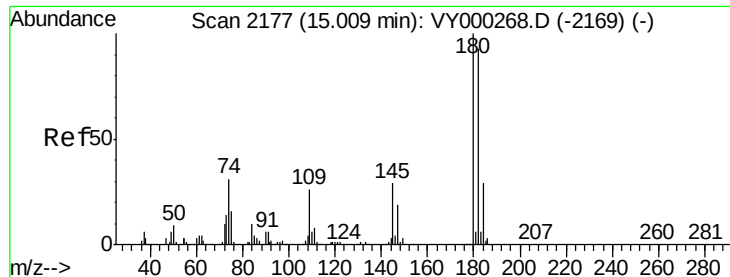
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.859 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	45.8	137.3
157	110.6	55.6	166.9





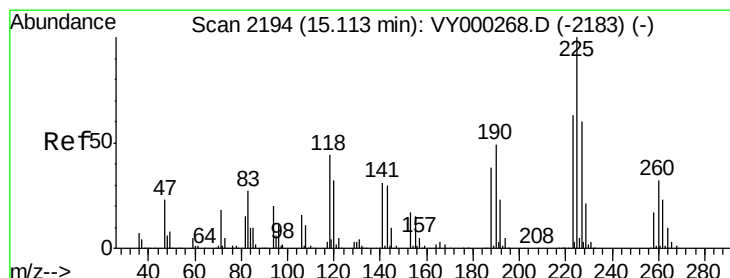
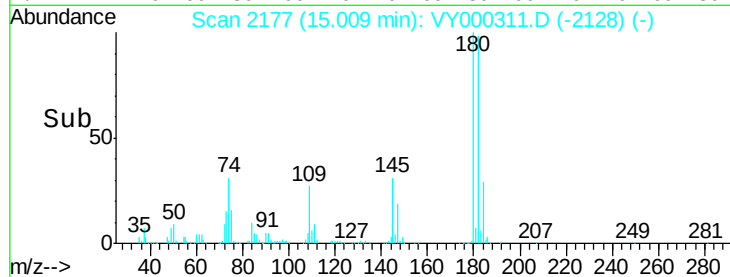
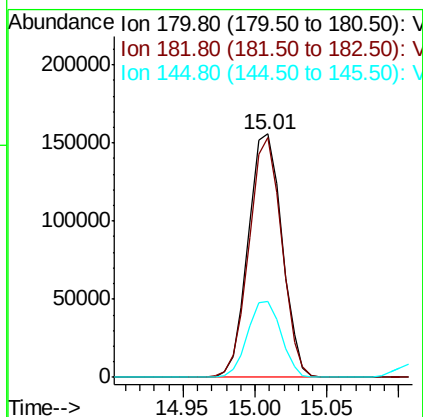
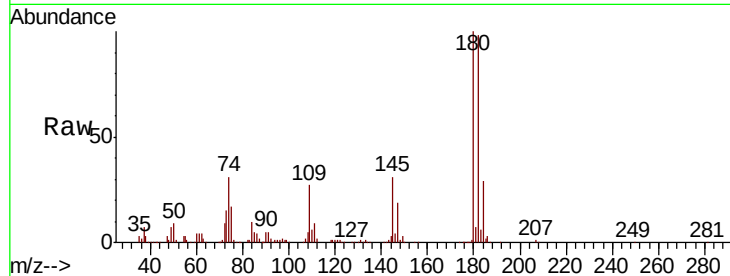
#93
 1,2,4-Trichlorobenzene
 Concen: 47.255 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	252624
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.5	142.6
145	31.1	15.4	46.1

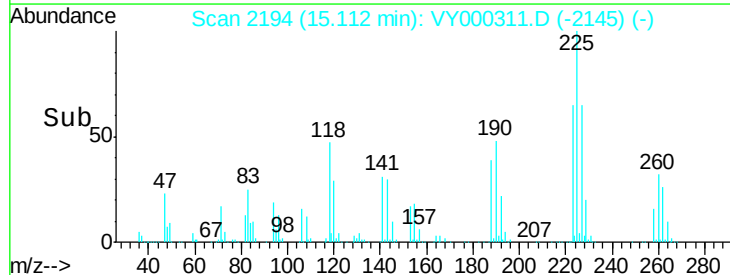
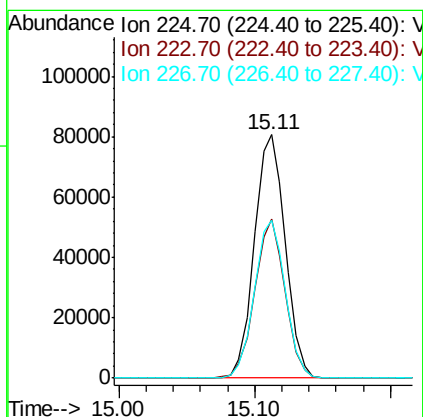
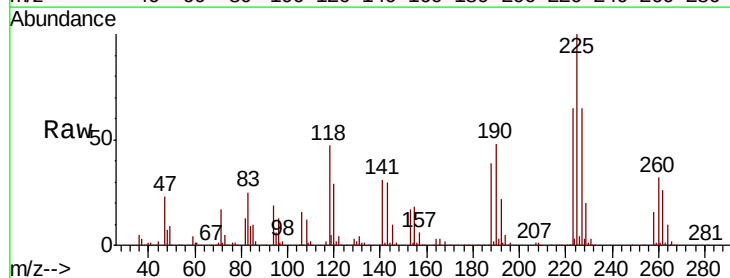
Manual Integrations
 APPROVED

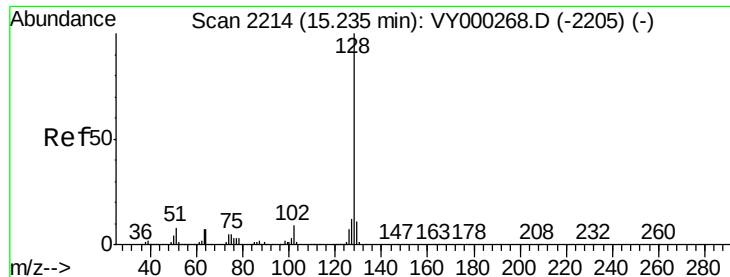
MMDadoda
 10/18/2019 12:40:18 AM



#94
 Hexachlorobutadiene
 Concen: 44.442 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000311.D
 Acq: 15 Oct 2019 11:23

Tgt Ion:	225	Resp:	128573
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.9	95.7
227	64.7	31.4	94.2





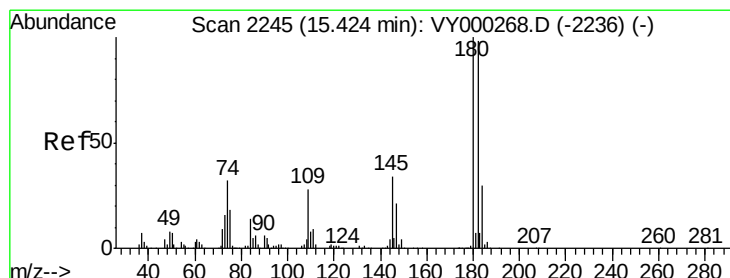
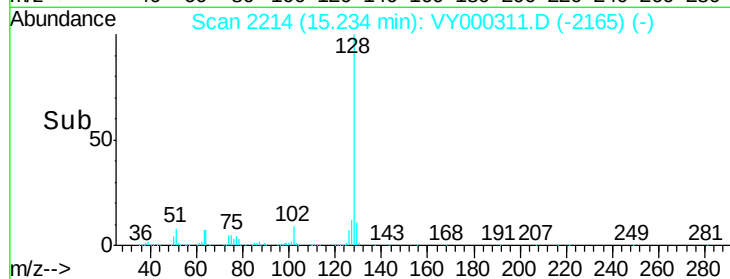
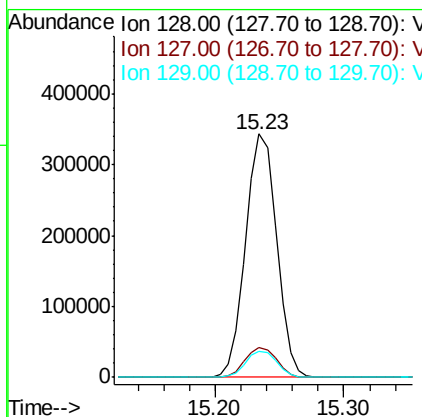
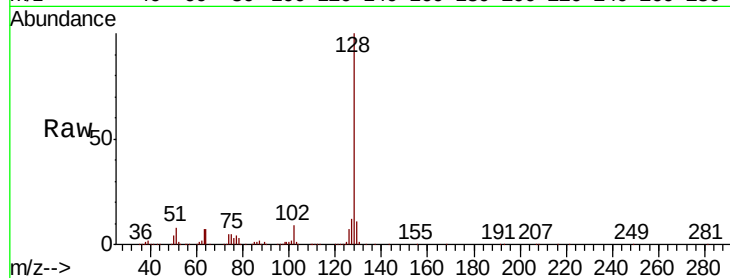
#95
Naphthalene
Concen: 47.892 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.7	9.6	14.4	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.259 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000311.D
Acq: 15 Oct 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	46.5	139.5	
145	32.8	16.2	48.5	

