

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000313.D
 Acq On : 15 Oct 2019 12:32
 Operator : SY/MD
 Sample : VY1015SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:20 AM

Quant Time: Oct 15 17:46:50 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	317497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	535669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	476481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227520	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	177822	53.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.20%	
35) Dibromofluoromethane	7.73	113	160514	49.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.36%	
50) Toluene-d8	10.18	98	655177	52.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.48	95	231765	49.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	62431	22.496	ug/l	99
3) Chloromethane	2.12	50	76962	19.837	ug/l	98
4) Vinyl Chloride	2.26	62	81492	20.813	ug/l	99
5) Bromomethane	2.65	94	59814	20.613	ug/l	92
6) Chloroethane	2.79	64	53052	20.999	ug/l	95
7) Trichlorofluoromethane	3.13	101	113495	21.191	ug/l	96
8) Diethyl Ether	3.54	74	39424	20.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65936	20.300	ug/l	98
10) Methyl Iodide	4.09	142	80325	18.136	ug/l	99
11) Tert butyl alcohol	4.98	59	32969	94.067	ug/l	98
12) 1,1-Dichloroethene	3.88	96	65959	20.570	ug/l	97
13) Acrolein	3.74	56	37271	90.704	ug/l	99
14) Allyl chloride	4.49	41	108566	20.430	ug/l	99
15) Acrylonitrile	5.18	53	105059	99.202	ug/l	98
16) Acetone	3.96	43	94299	86.945	ug/l	97
17) Carbon Disulfide	4.19	76	206090	20.413	ug/l	98
18) Methyl Acetate	4.49	43	53852	19.984	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	188665	21.135	ug/l	99
20) Methylene Chloride	4.72	84	84434	19.824	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	74918	20.364	ug/l	98
22) Diisopropyl ether	6.13	45	235172	20.924	ug/l	99
23) Vinyl Acetate	6.07	43	750342	102.334	ug/l	98
24) 1,1-Dichloroethane	6.02	63	127216	20.737	ug/l	97
25) 2-Butanone	7.00	43	145692	95.359	ug/l	96
26) 2,2-Dichloropropane	6.99	77	117509	20.787	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	81803	20.549	ug/l	99
28) Bromochloromethane	7.35	49	48510	18.420	ug/l	100
29) Tetrahydrofuran	7.36	42	89938	97.133	ug/l	99
30) Chloroform	7.52	83	125919	20.381	ug/l	98
31) Cyclohexane	7.80	56	132539	20.685	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	112842	20.544	ug/l	98
36) 1,1-Dichloropropene	7.92	75	102418	19.528	ug/l	99
37) Ethyl Acetate	7.08	43	63100	20.320	ug/l	97
38) Carbon Tetrachloride	7.91	117	98672	19.431	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000313.D
 Acq On : 15 Oct 2019 12:32
 Operator : SY/MD
 Sample : VY1015SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:20 AM

Quant Time: Oct 15 17:46:50 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)
39) Methylcyclohexane	9.19	83	136462	19.881	ug/l	96
40) Benzene	8.17	78	301061	19.864	ug/l	96
41) Methacrylonitrile	7.32	41	24944m	16.875	ug/l	
42) 1,2-Dichloroethane	8.25	62	85224	19.685	ug/l	100
43) Isopropyl Acetate	8.28	43	114494	19.390	ug/l	99
44) Trichloroethene	8.94	130	83979	19.748	ug/l	98
45) 1,2-Dichloropropane	9.22	63	75348	20.258	ug/l	94
46) Dibromomethane	9.31	93	40508	19.483	ug/l	98
47) Bromodichloromethane	9.50	83	99062	20.217	ug/l	95
48) Methyl methacrylate	9.30	41	49837	19.259	ug/l	97
49) 1,4-Dioxane	9.31	88	10909	349.928	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	303788	99.751	ug/l	99
52) Toluene	10.25	92	191741	19.926	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	104977	19.990	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	120198	20.155	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	59468	19.671	ug/l	98
56) Ethyl methacrylate	10.52	69	84815	19.683	ug/l	96
57) 1,3-Dichloropropane	10.80	76	104907	20.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	199232	115.919	ug/l	99
59) 2-Hexanone	10.83	43	218688	102.303	ug/l	99
60) Dibromochloromethane	10.99	129	66352	19.802	ug/l	98
61) 1,2-Dibromoethane	11.10	107	56543	19.480	ug/l	100
64) Tetrachloroethene	10.72	164	89995	19.839	ug/l	100
65) Chlorobenzene	11.52	112	199145	19.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	69557	19.691	ug/l	98
67) Ethyl Benzene	11.60	91	367464	19.712	ug/l	100
68) m/p-Xylenes	11.70	106	278800	39.123	ug/l	96
69) o-Xylene	12.03	106	132562	19.499	ug/l	97
70) Styrene	12.05	104	224942	19.620	ug/l	99
71) Bromoform	12.21	173	39442	19.423	ug/l	99
73) Isopropylbenzene	12.33	105	358128	20.187	ug/l	100
74) N-amyl acetate	12.14	43	98241	22.557	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	66040	19.827	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	56166m	20.076	ug/l	
77) Bromobenzene	12.61	156	79792	20.212	ug/l	97
78) n-propylbenzene	12.67	91	432594	20.309	ug/l	99
79) 2-Chlorotoluene	12.75	91	241697	20.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	301328	20.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24182	18.912	ug/l	99
82) 4-Chlorotoluene	12.86	91	255434	20.543	ug/l	98
83) tert-Butylbenzene	13.08	119	253602	20.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	301313	20.523	ug/l	99
85) sec-Butylbenzene	13.25	105	370664	20.339	ug/l	99
86) p-Isopropyltoluene	13.37	119	328647	20.685	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	159302	20.481	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	154034	19.813	ug/l	97
89) n-Butylbenzene	13.70	91	321077	20.450	ug/l	99
90) Hexachloroethane	13.96	117	60527	20.574	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	142386	20.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12364	19.572	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
Data File : VY000313.D
Acq On : 15 Oct 2019 12:32
Operator : SY/MD
Sample : VY1015SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

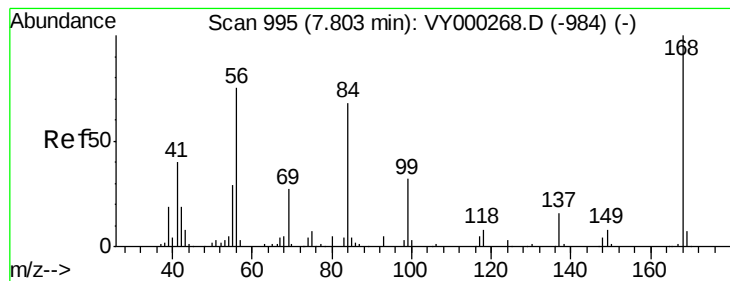
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM

Quant Time: Oct 15 17:46:50 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)
93) 1,2,4-Trichlorobenzene	15.01	180	97373	19.869	ug/l	99
94) Hexachlorobutadiene	15.11	225	51458	19.402	ug/l	97
95) Naphthalene	15.23	128	222659	20.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	88600	20.060	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion:168 Resp: 317497

Ion Ratio Lower Upper

168 100

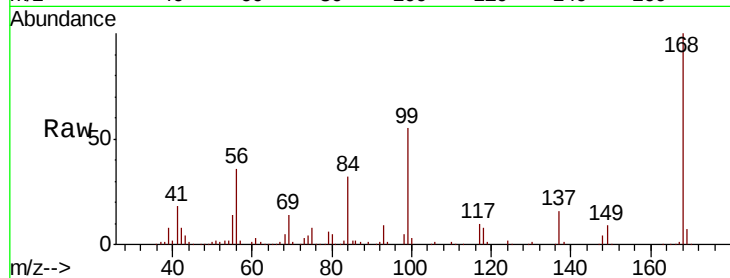
99 55.3 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:40:20 AM



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

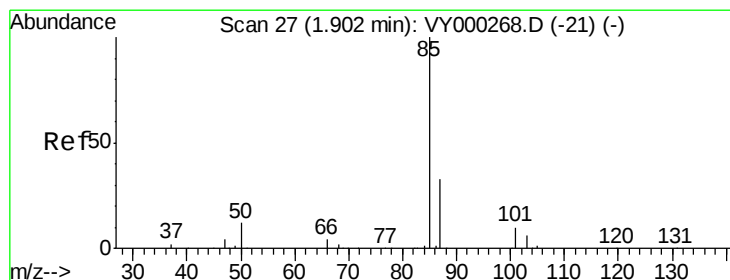
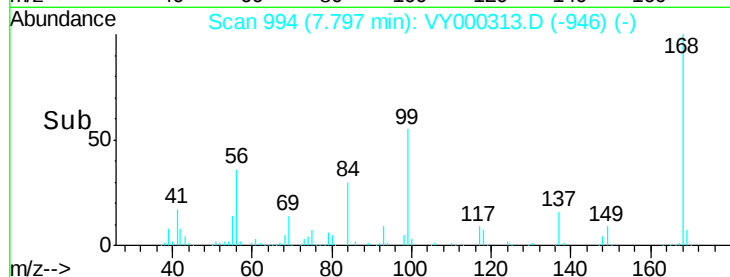
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.496 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000313.D

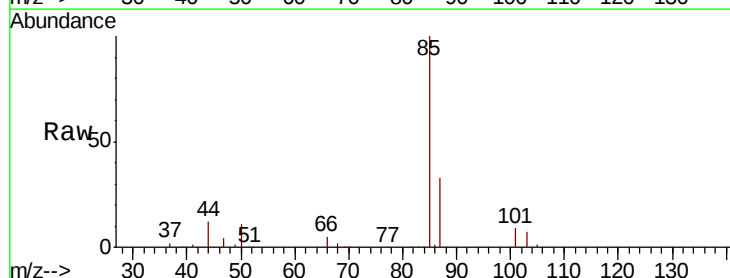
Acq: 15 Oct 2019 12:32

Tgt Ion: 85 Resp: 62431

Ion Ratio Lower Upper

85 100

87 32.8 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

40000

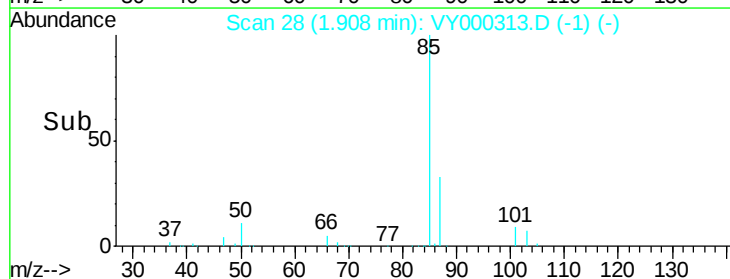
30000

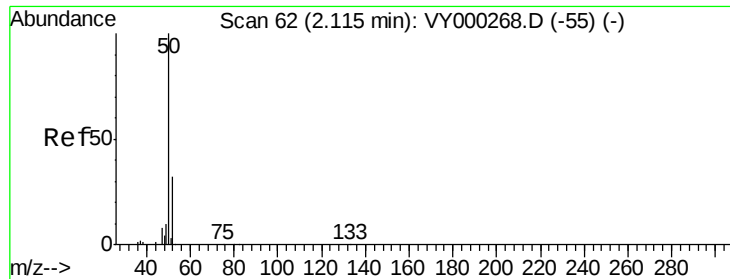
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.837 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 50 Resp: 76962

Ion Ratio Lower Upper

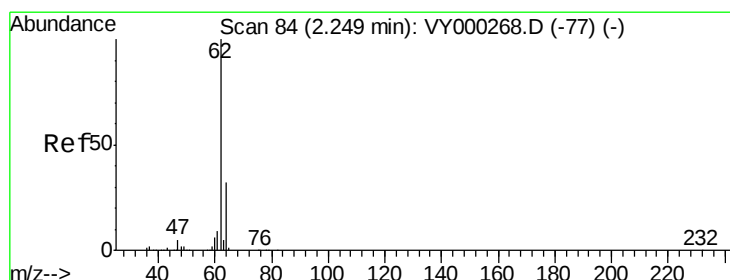
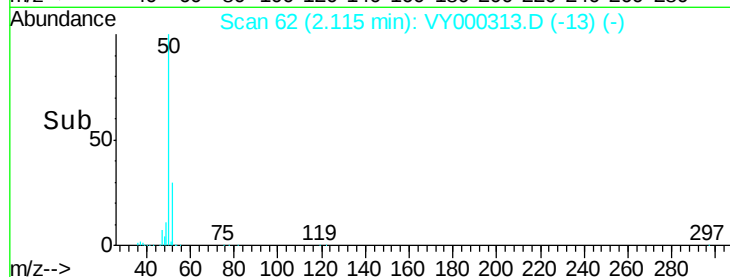
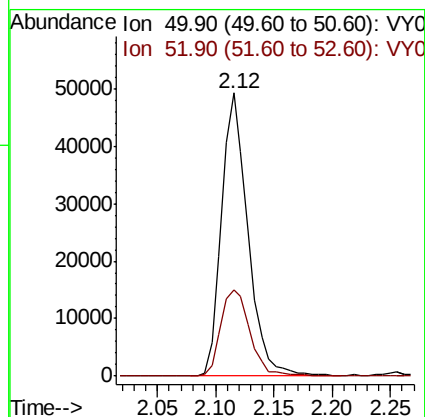
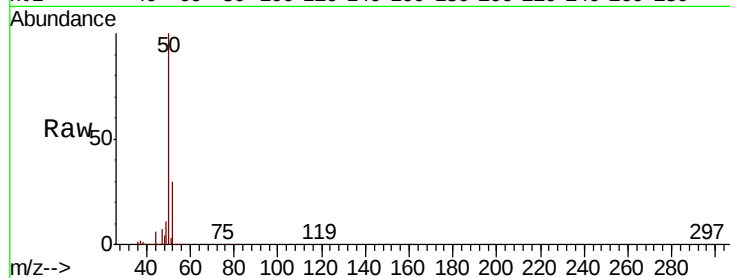
50 100

52 30.4 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:40:20 AM



#4

Vinyl Chloride

Concen: 20.813 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000313.D

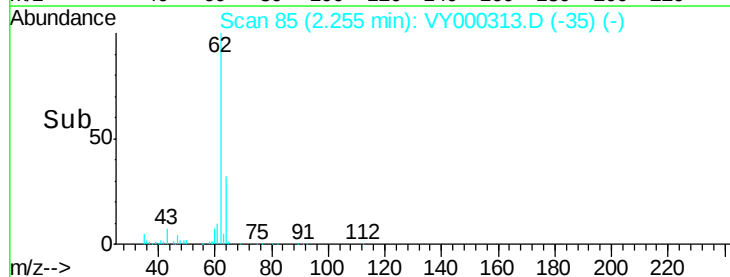
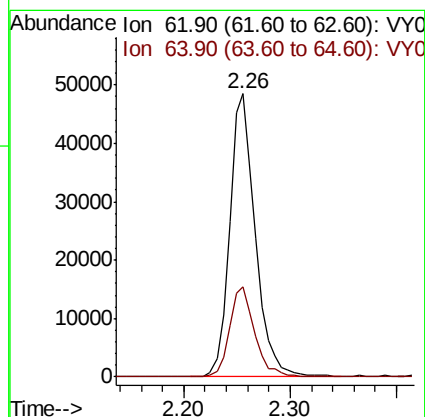
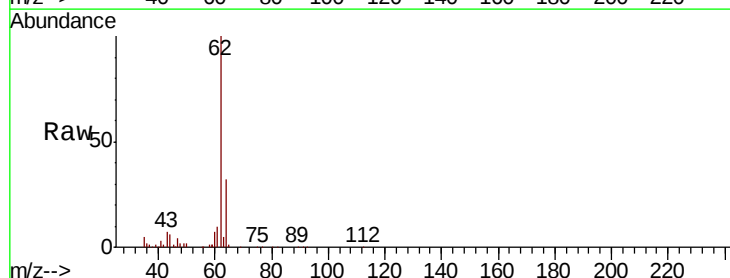
Acq: 15 Oct 2019 12:32

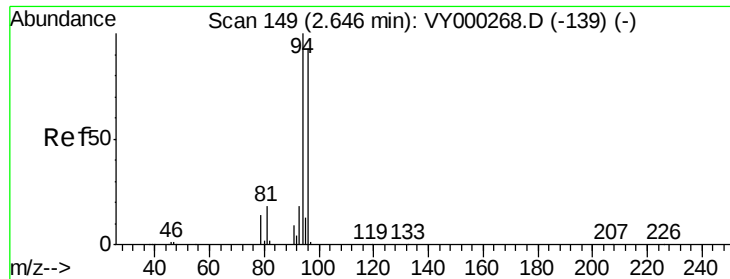
Tgt Ion: 62 Resp: 81492

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 20.613 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 94 Resp: 59814

Ion Ratio Lower Upper

94 100

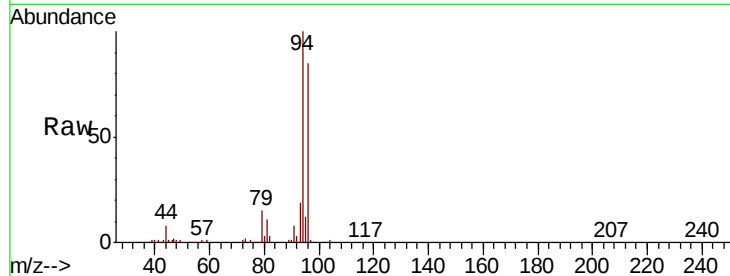
96 84.7 74.2 111.2

Manual Integrations

APPROVED

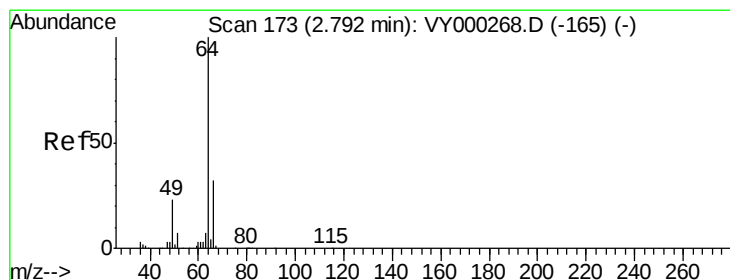
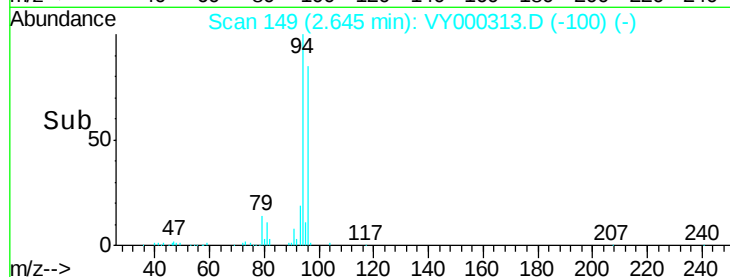
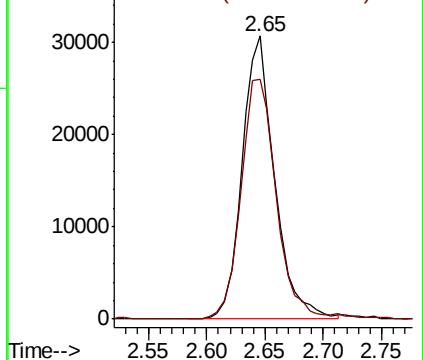
MMDadoda

10/18/2019 12:40:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.999 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000313.D

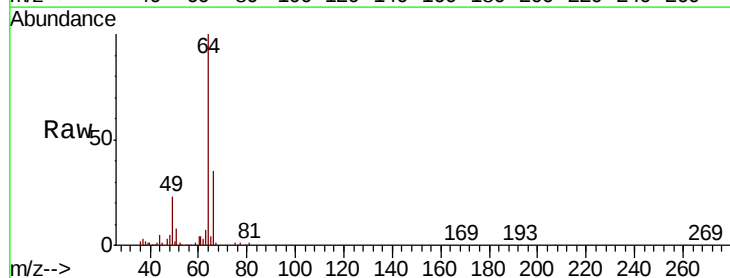
Acq: 15 Oct 2019 12:32

Tgt Ion: 64 Resp: 53052

Ion Ratio Lower Upper

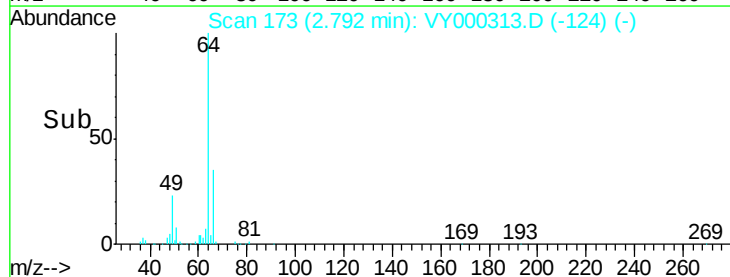
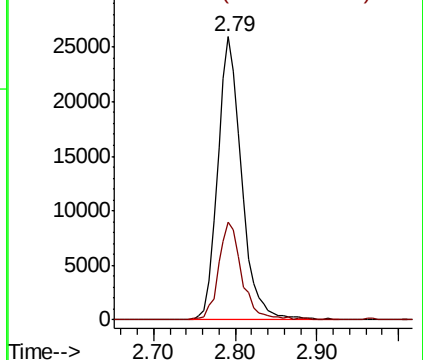
64 100

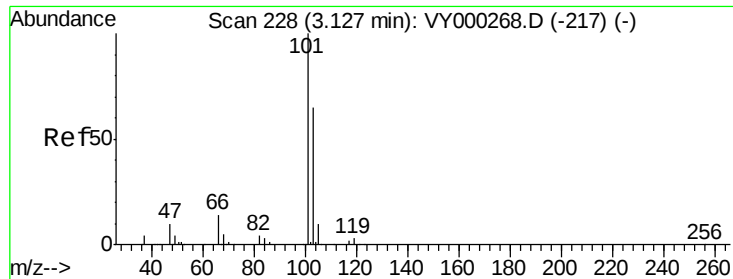
66 34.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

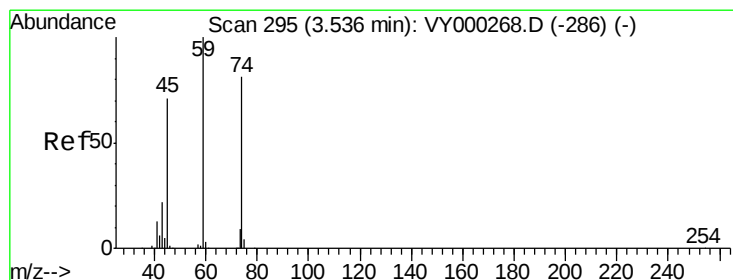
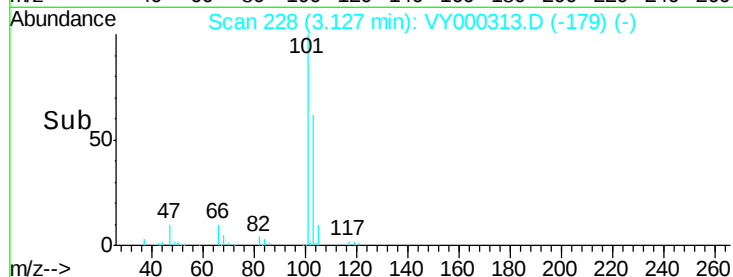
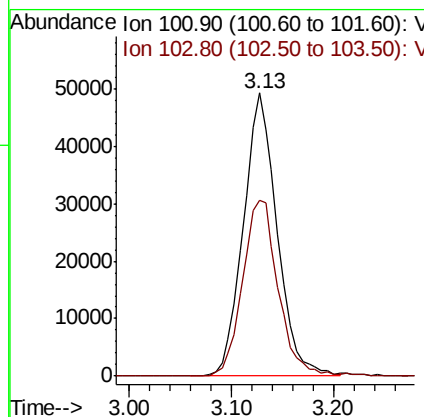
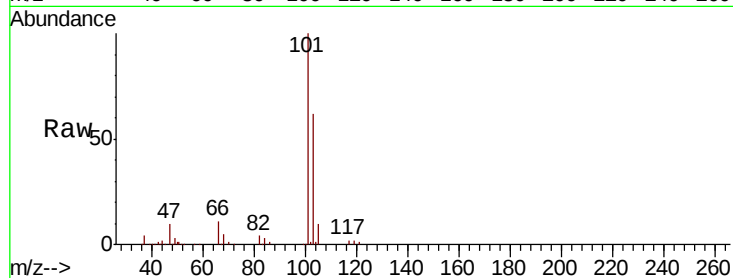
Trichlorofluoromethane
 Concen: 21.191 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.2	78.4

Manual Integrations
 APPROVED

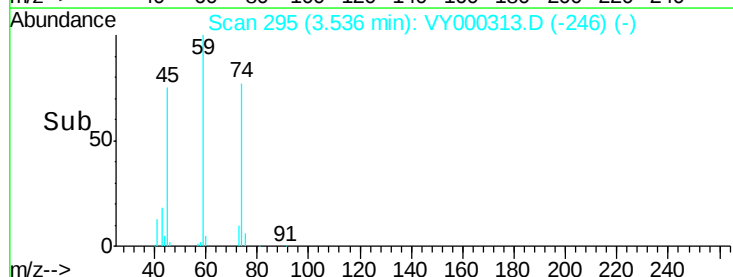
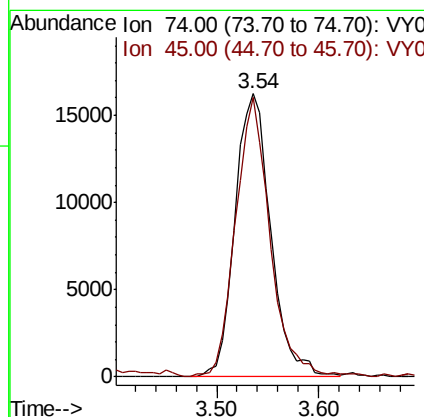
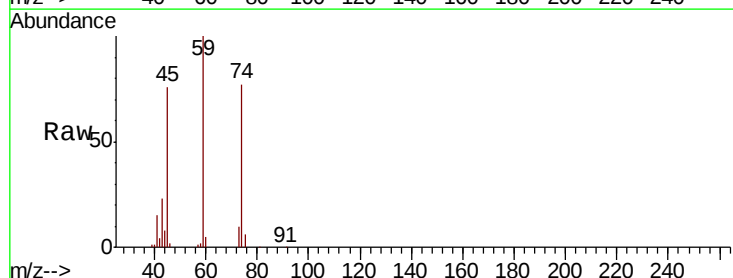
MMDadoda
 10/18/2019 12:40:20 AM

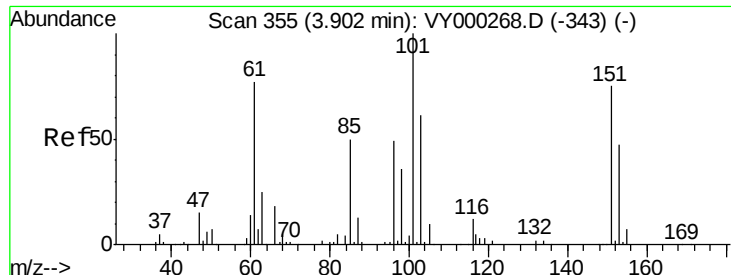


#8

Diethyl Ether
 Concen: 20.836 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	47.1	141.4





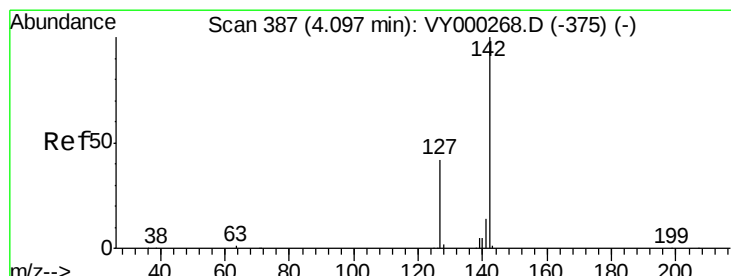
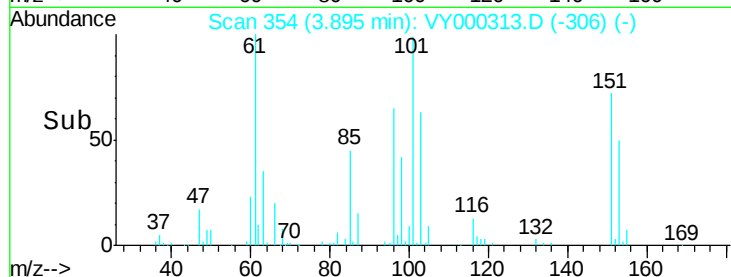
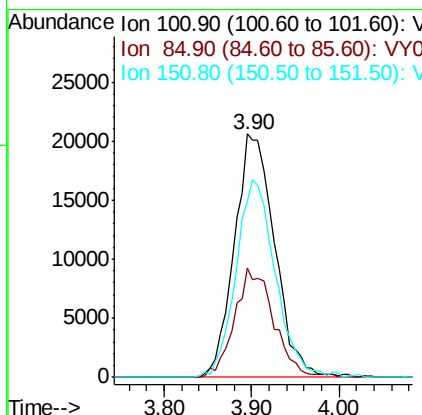
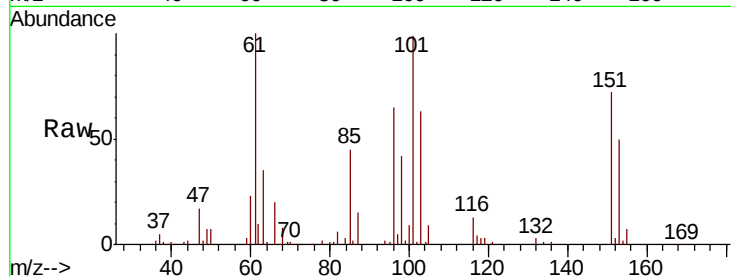
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.300 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.6	55.0
151	79.2	63.1	94.7

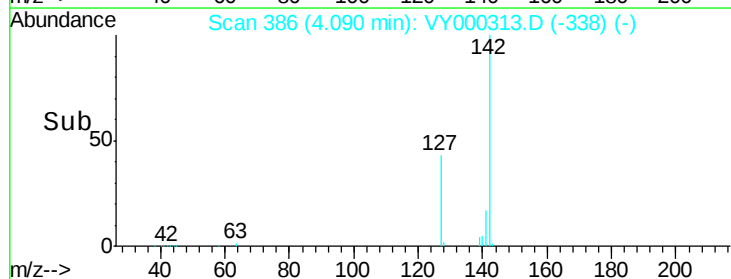
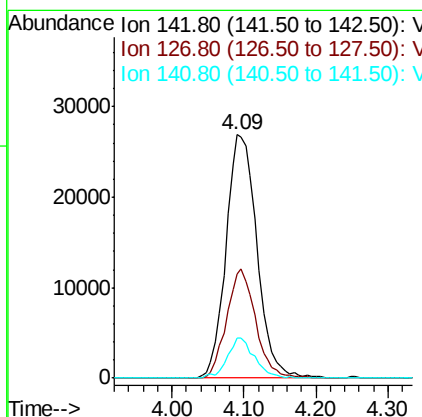
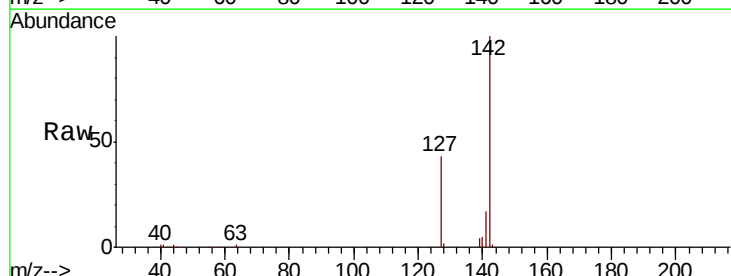
Manual Integrations
APPROVED

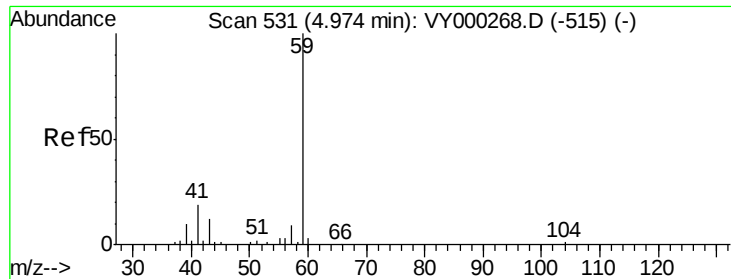
MMDadoda
10/18/2019 12:40:20 AM



#10
Methyl Iodide
Concen: 18.136 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	33.9	50.9
141	14.7	11.2	16.8





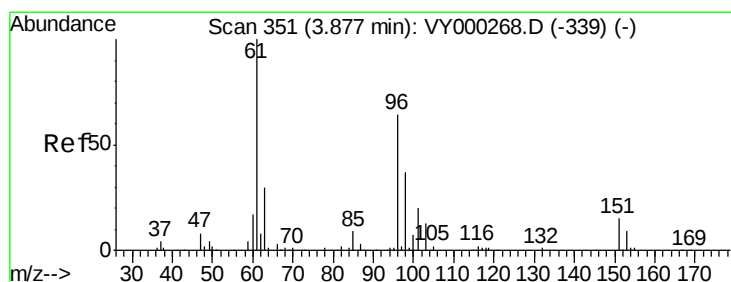
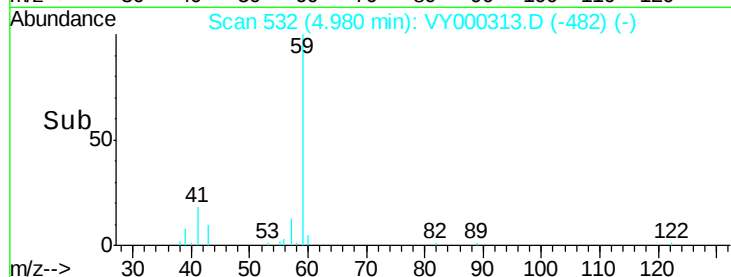
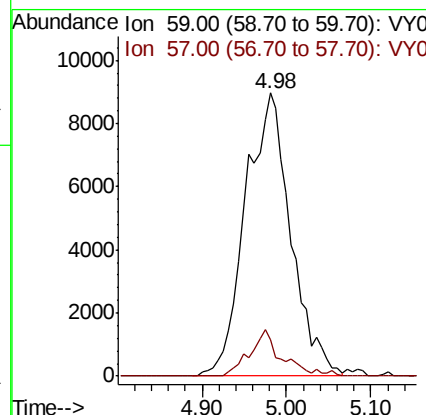
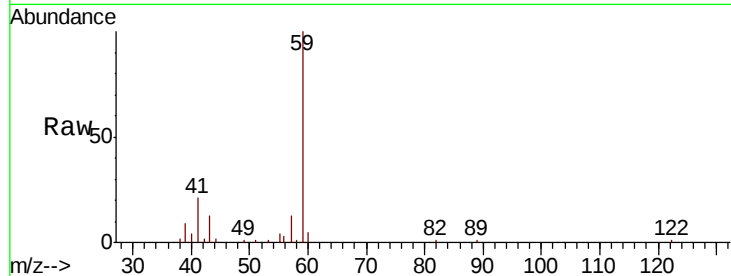
#11
Tert butyl alcohol
Concen: 94.067 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion: 59 Resp: 32969
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

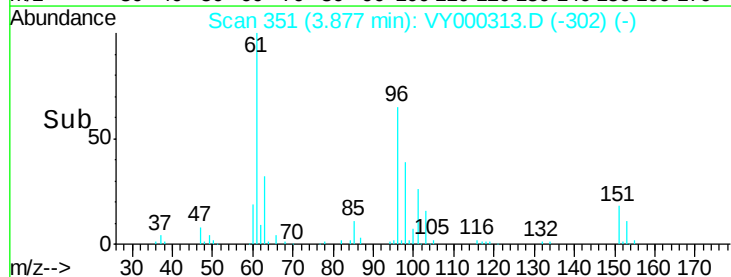
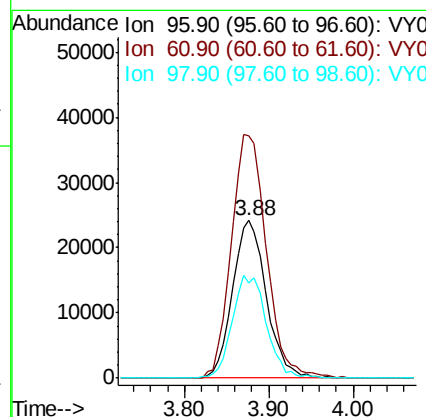
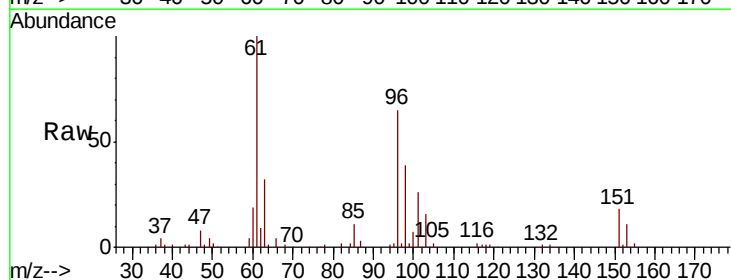
Manual Integrations
APPROVED

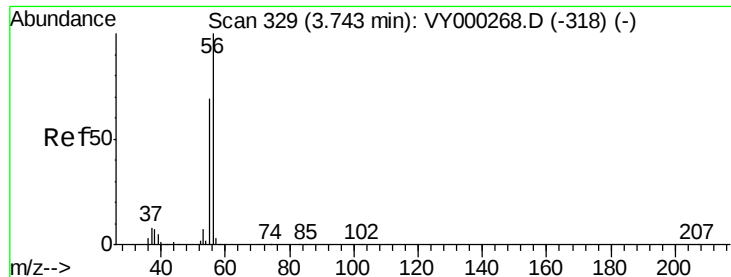
MMDadoda
10/18/2019 12:40:20 AM



#12
1,1-Dichloroethene
Concen: 20.570 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 96 Resp: 65959
Ion Ratio Lower Upper
96 100
61 154.0 125.8 188.6
98 60.0 46.2 69.2





#13

Acrolein

Concen: 90.704 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 56 Resp: 37271

Ion Ratio Lower Upper

56 100

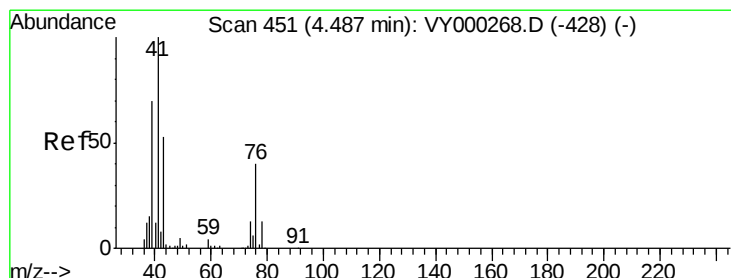
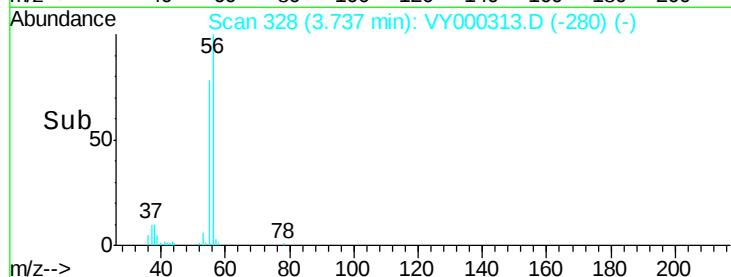
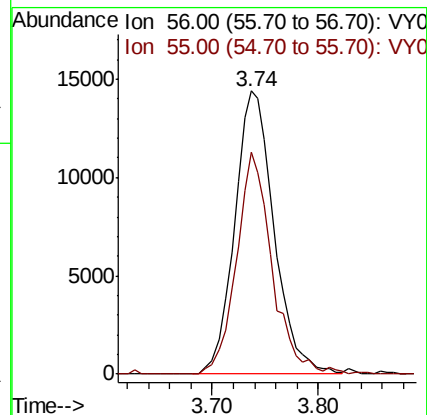
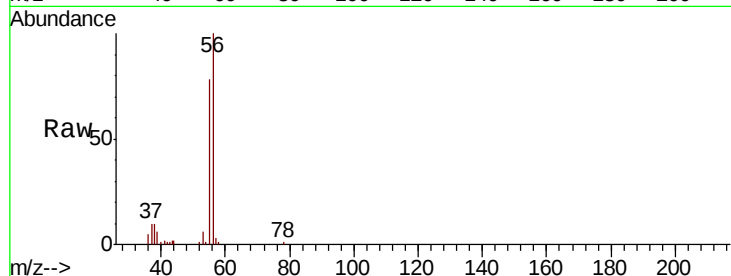
55 70.1 55.7 83.5

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:40:20 AM



#14

Allyl chloride

Concen: 20.430 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

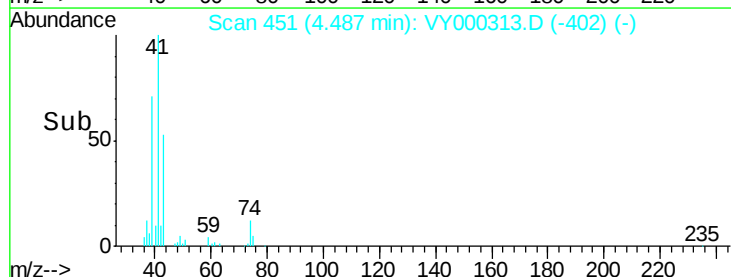
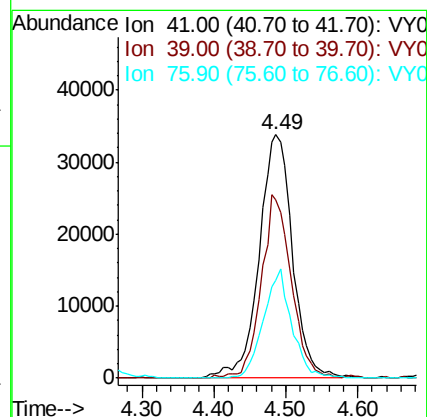
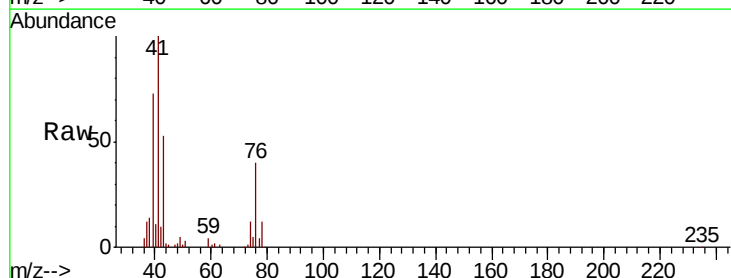
Tgt Ion: 41 Resp: 108566

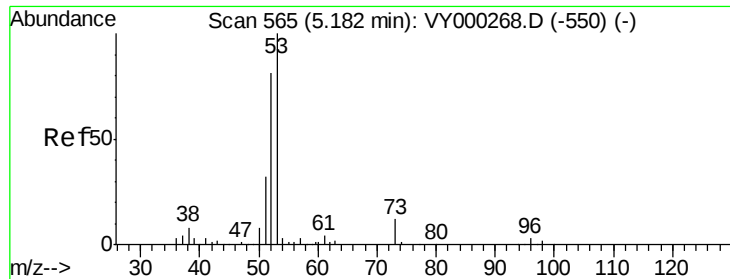
Ion Ratio Lower Upper

41 100

39 68.0 54.0 81.0

76 38.1 30.7 46.1





#15

Acrylonitrile

Concen: 99.202 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

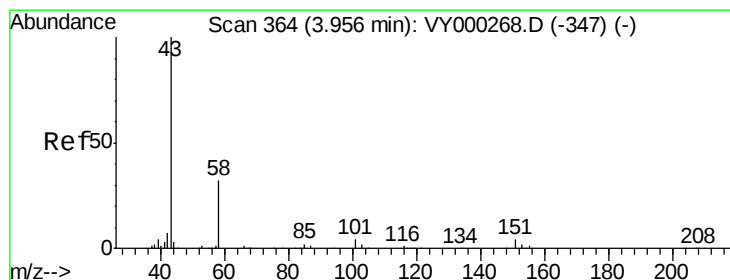
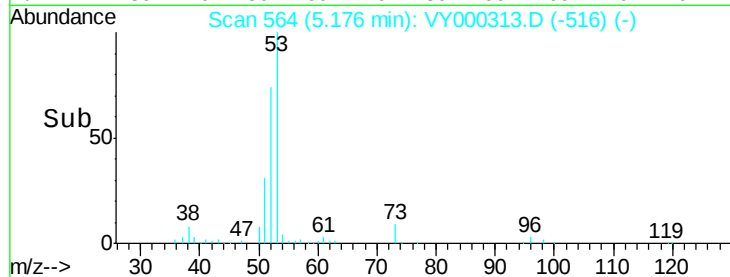
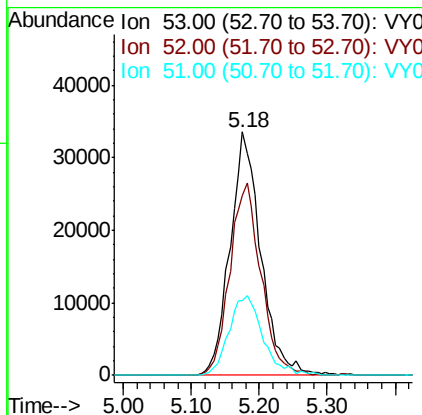
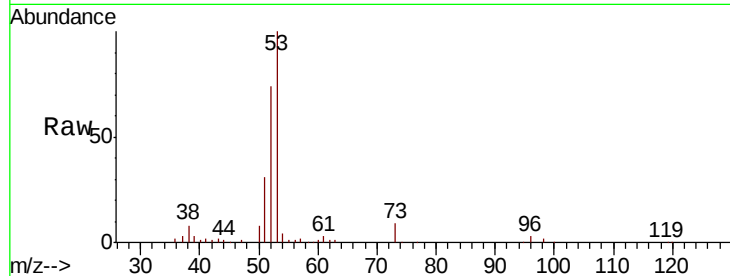
ClientSampleId :

VY1015SBS01

Tot Ion:	53	Resp:	105059
Ion	Ratio	Lower	Upper
53	100		
52	79.8	62.9	94.3
51	36.3	26.9	40.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#16

Acetone

Concen: 86.945 ug/l

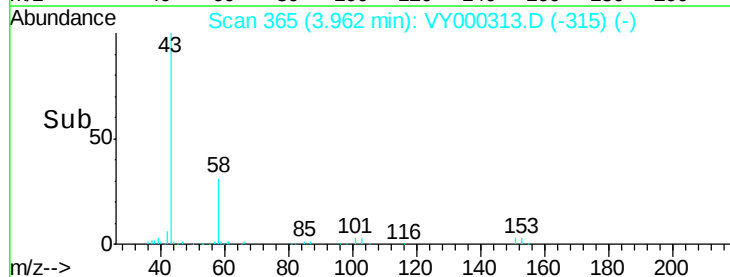
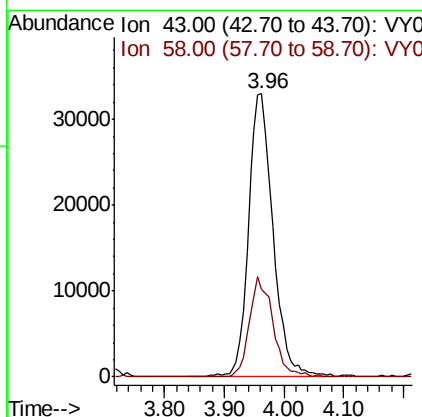
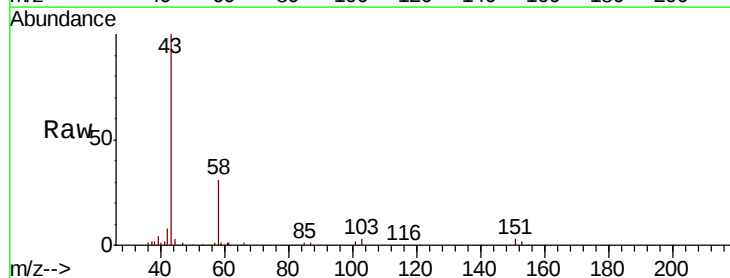
RT: 3.96 min Scan# 365

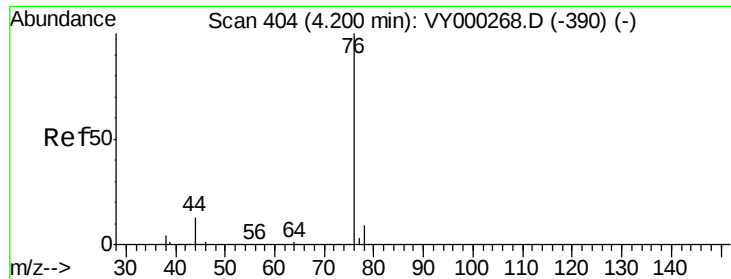
Delta R.T. 0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:	43	Resp:	94299
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.8	38.6





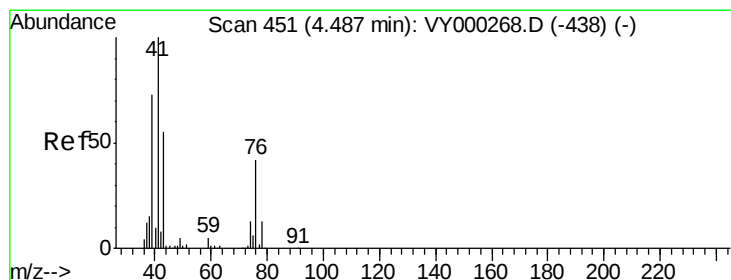
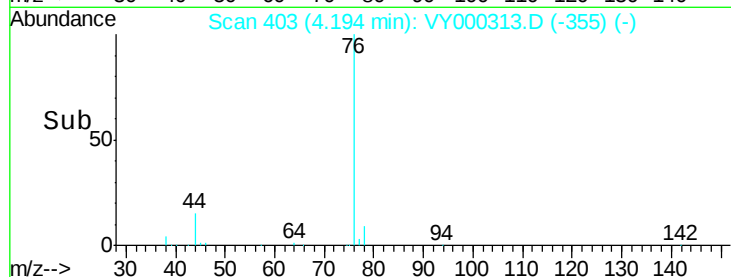
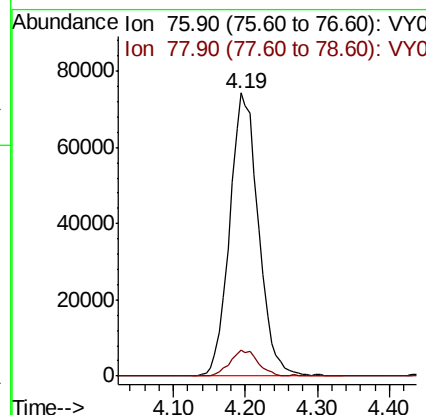
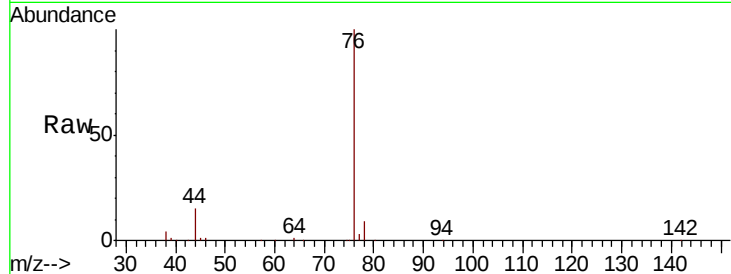
#17
Carbon Disulfide
Concen: 20.413 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

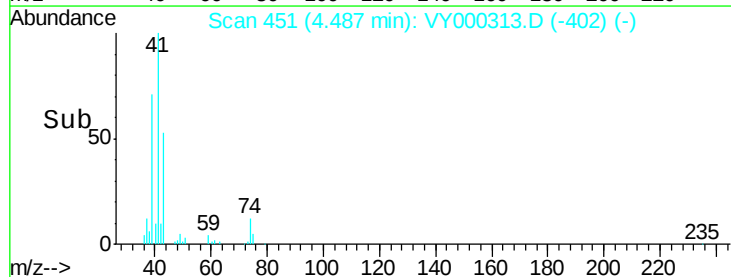
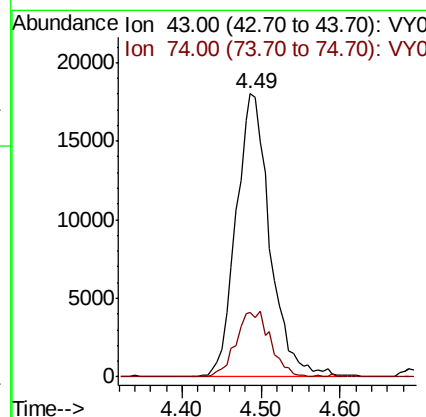
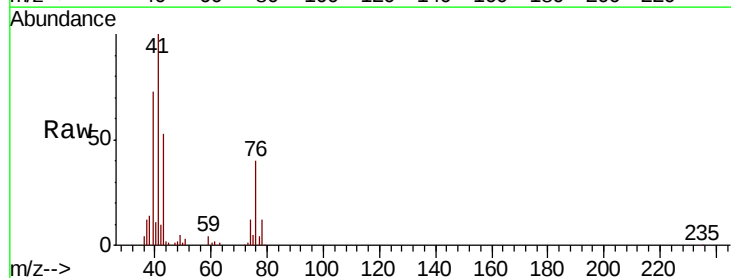
Manual Integrations
APPROVED

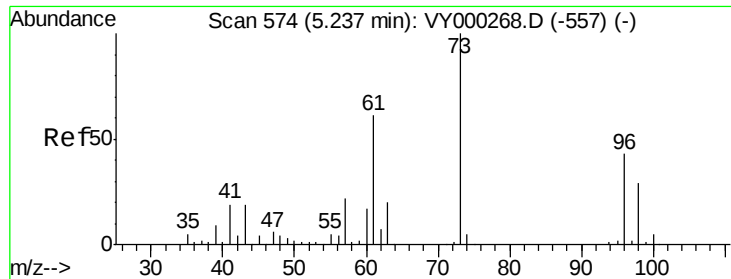
MMDadoda
10/18/2019 12:40:20 AM



#18
Methyl Acetate
Concen: 19.984 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.4	30.6





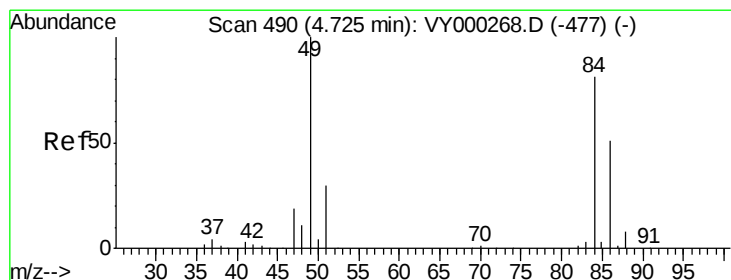
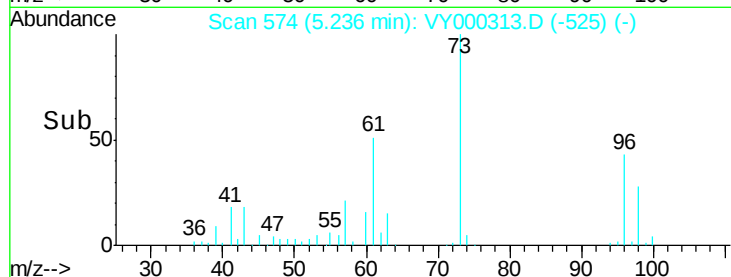
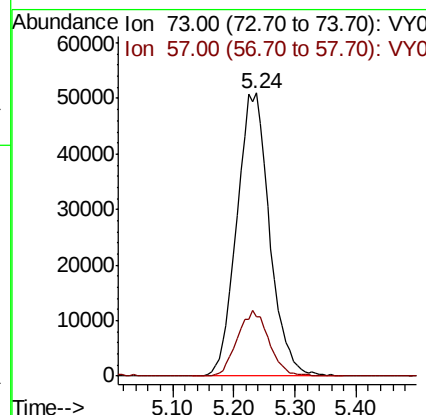
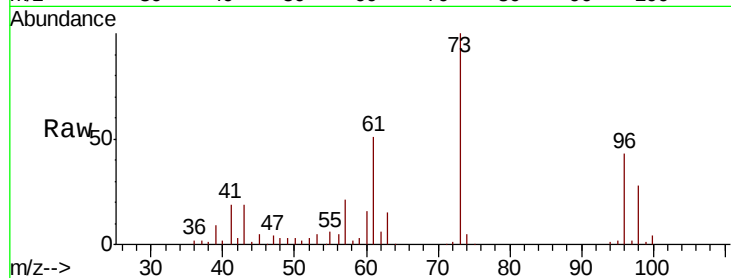
#19
Methyl tert-butyl Ether
Concen: 21.135 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0

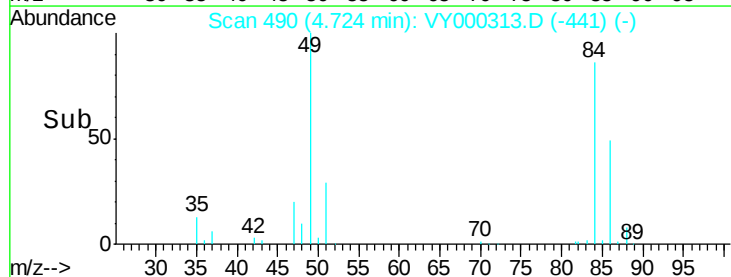
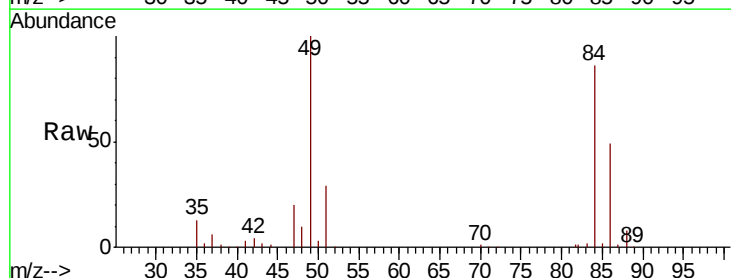
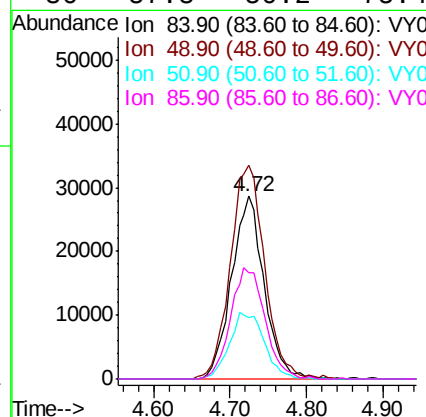
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#20
Methylene Chloride
Concen: 19.824 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	99.0	148.4
51	33.8	29.3	43.9
86	57.8	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 20.364 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

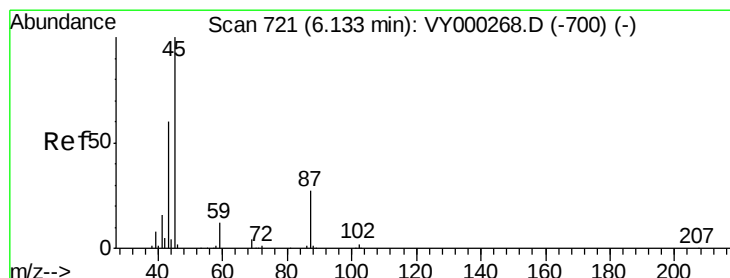
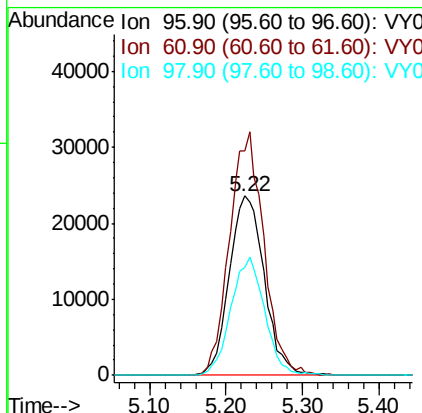
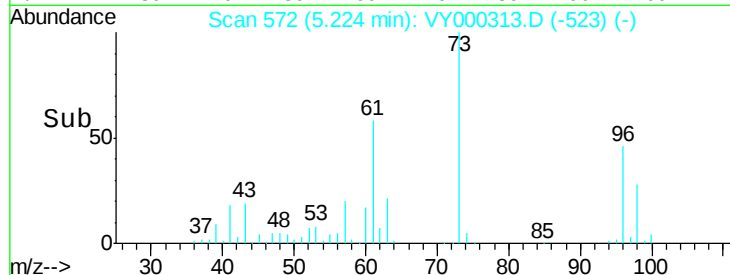
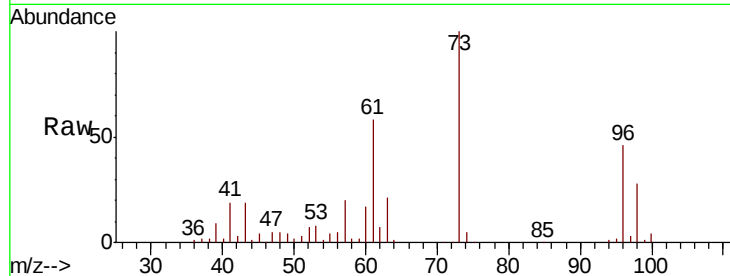
ClientSampleId :

VY1015SBS01

Tot Ion:	96	Resp:	74918
Ion	Ratio	Lower	Upper
96	100		
61	125.3	100.4	150.6
98	60.4	44.6	66.8

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#22

Diisopropyl ether

Concen: 20.924 ug/l

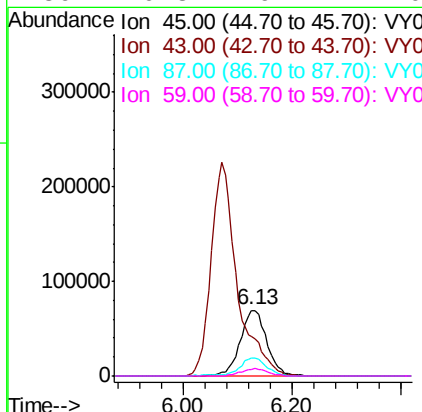
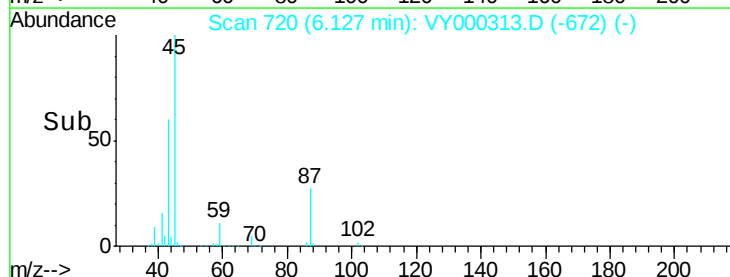
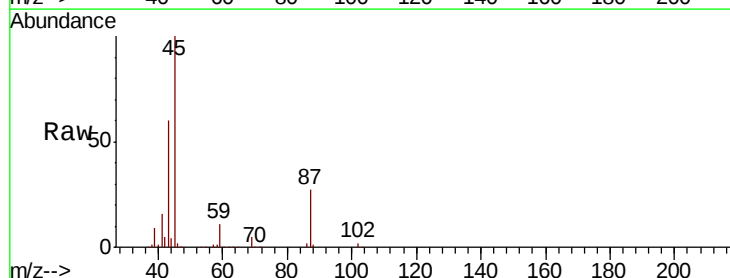
RT: 6.13 min Scan# 720

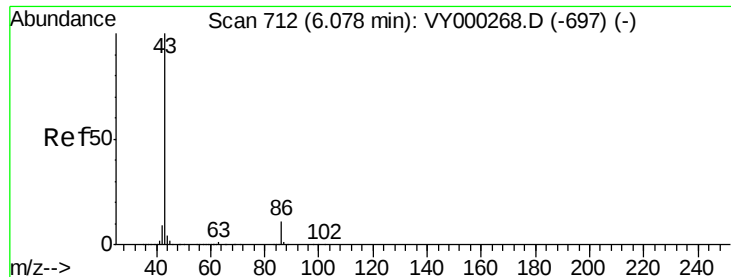
Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:	45	Resp:	235172
Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.5	72.7
87	26.6	21.5	32.3
59	10.8	9.4	14.0





#23

Vinyl Acetate

Concen: 102.334 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 43 Resp: 750342

Ion Ratio Lower Upper

43 100

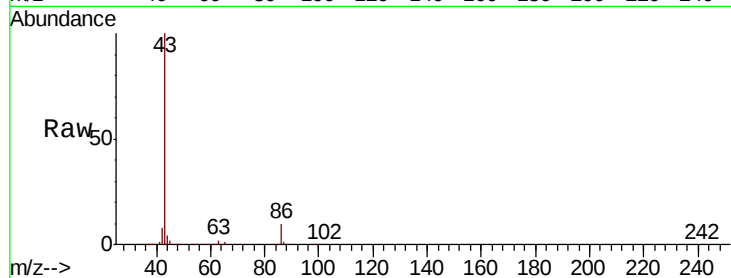
86 10.1 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:40:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

250000

200000

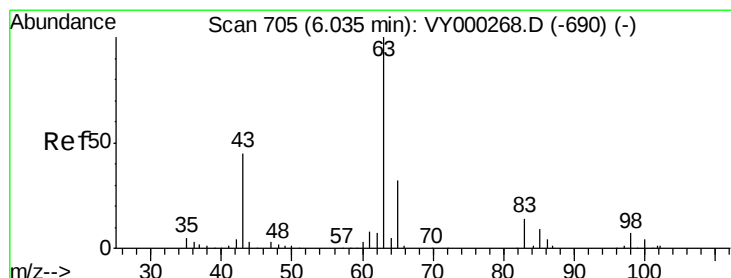
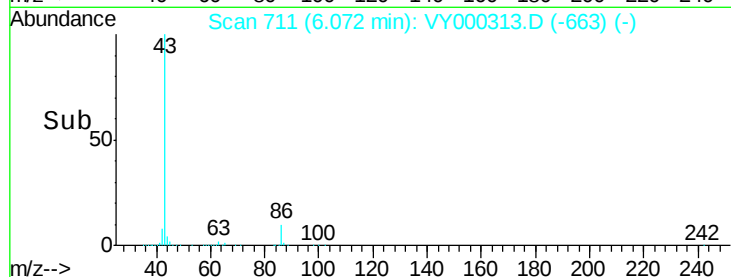
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.737 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

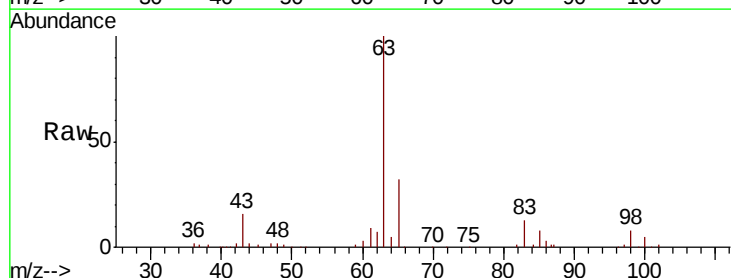
Tgt Ion: 63 Resp: 127216

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 5.2 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

50000

40000

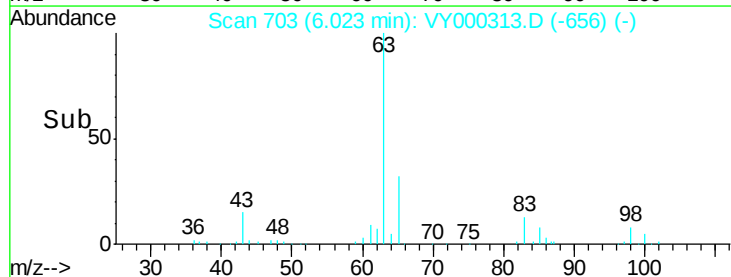
30000

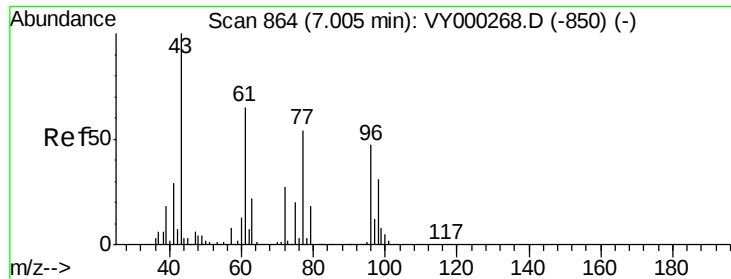
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.359 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 43 Resp: 145692

Ion Ratio Lower Upper

43 100

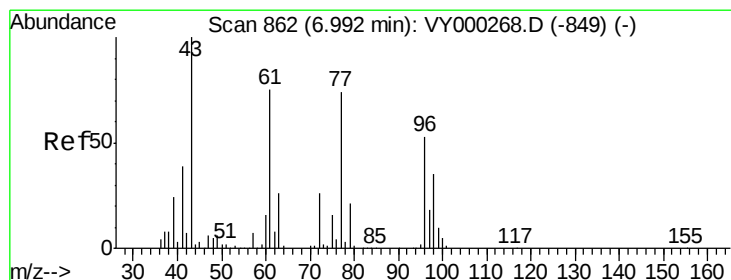
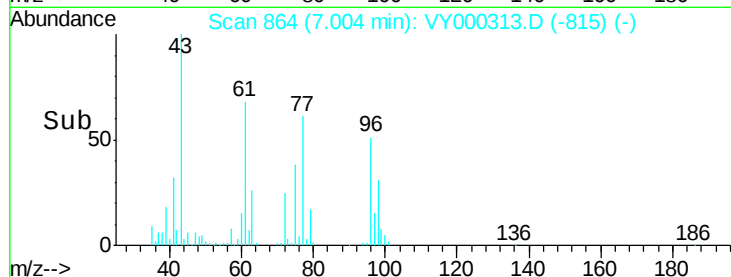
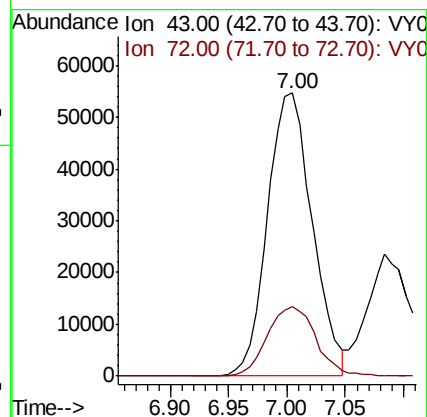
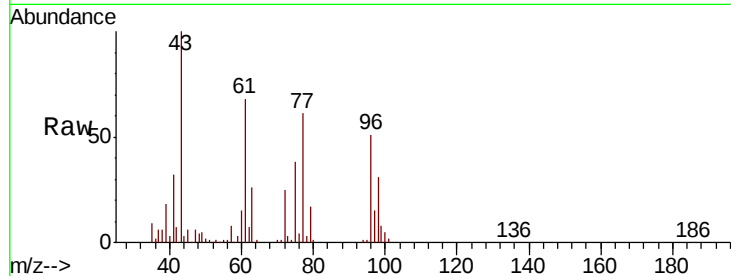
72 24.6 21.4 32.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:40:20 AM



#26

2,2-Dichloropropane

Concen: 20.787 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000313.D

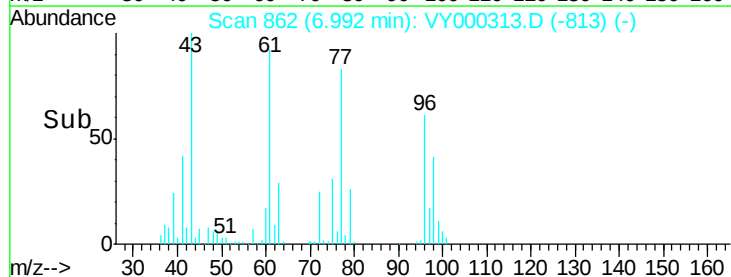
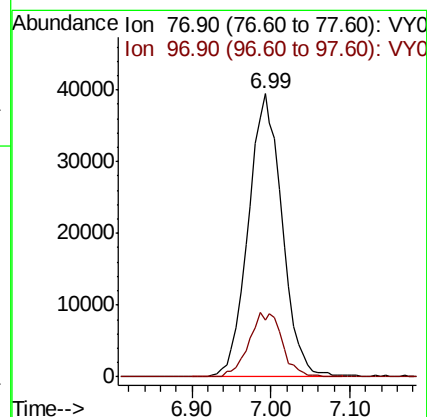
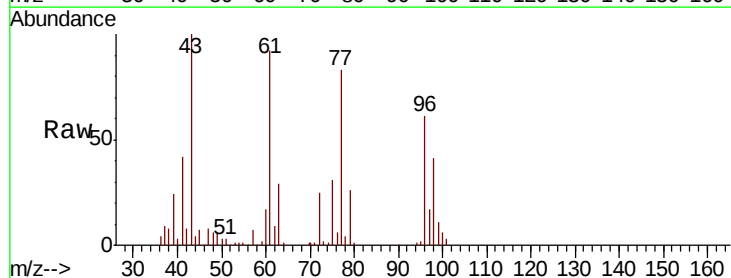
Acq: 15 Oct 2019 12:32

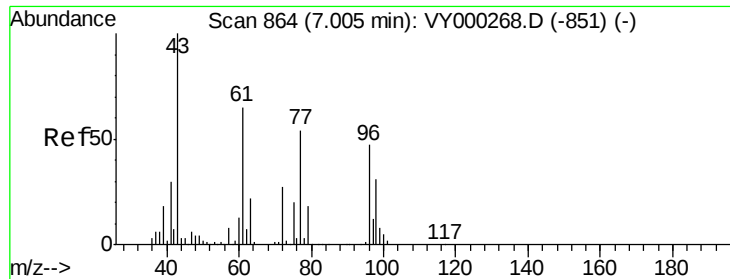
Tgt Ion: 77 Resp: 117509

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

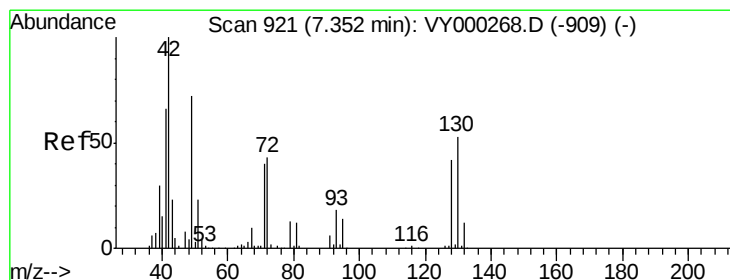
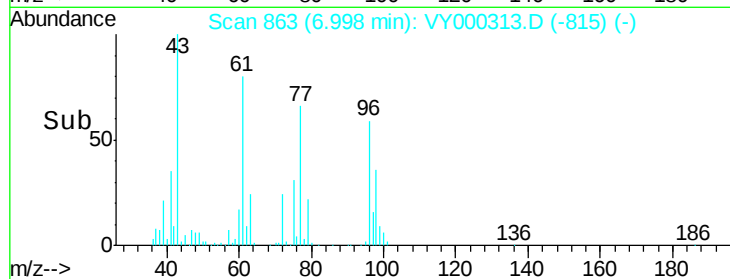
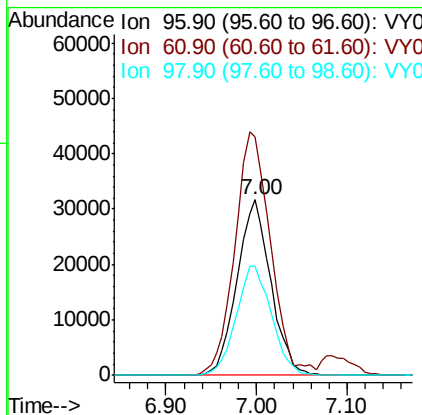
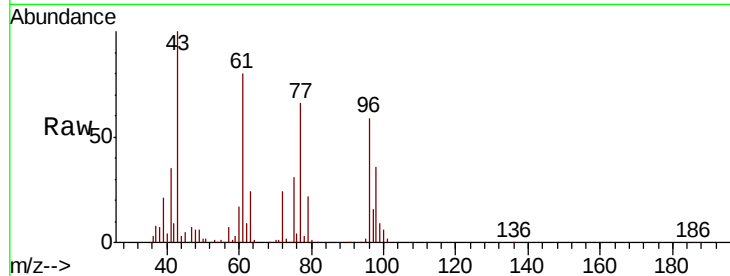
cis-1,2-Dichloroethene
Concen: 20.549 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.5	0.0	289.8	
98	65.2	0.0	131.8	

Manual Integrations
APPROVED

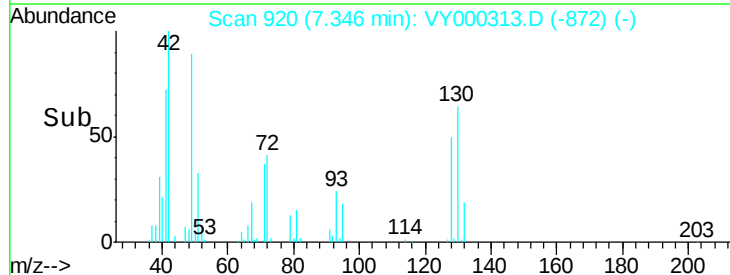
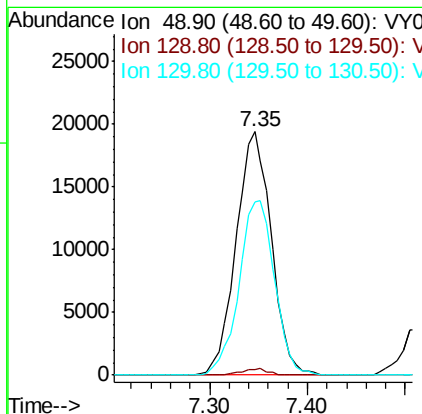
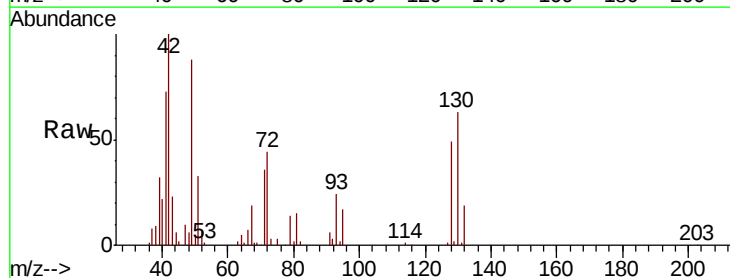
MMDadoda
10/18/2019 12:40:20 AM

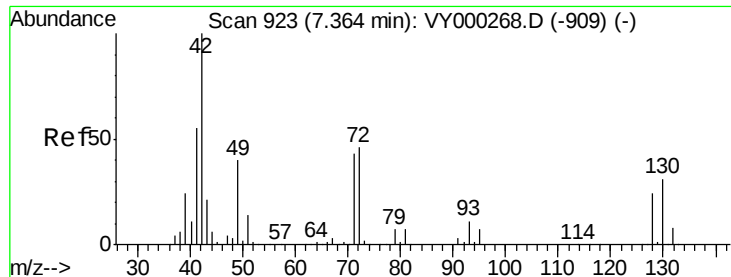


#28

Bromochloromethane
Concen: 18.420 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.0	
130	72.4	58.2	87.2	





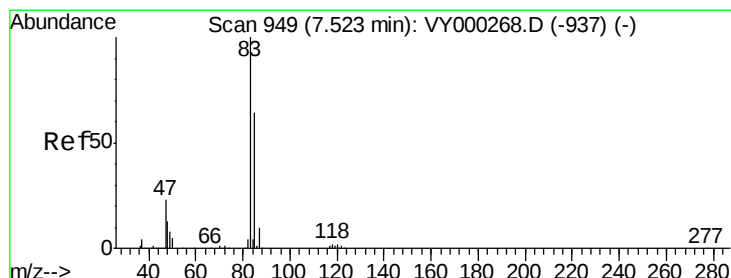
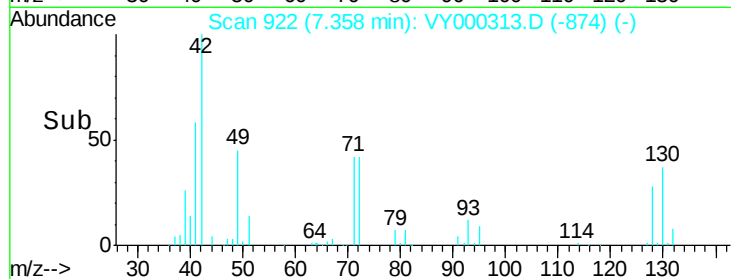
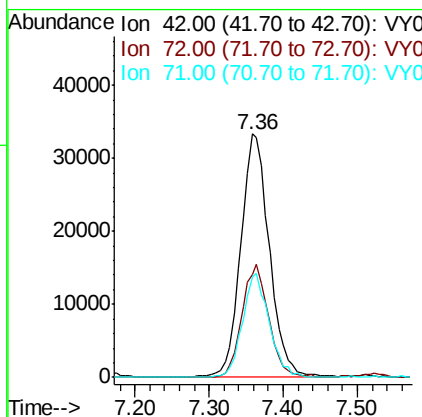
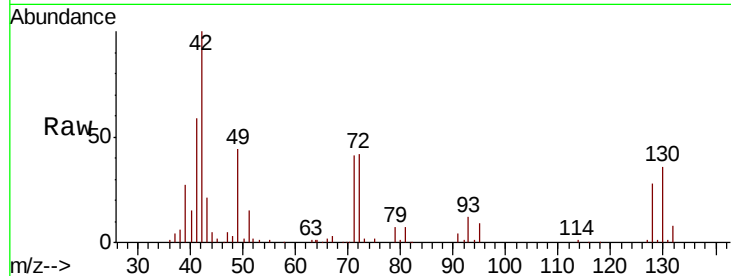
#29
Tetrahydrofuran
Concen: 97.133 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.5	51.7
71	39.9	32.7	49.1

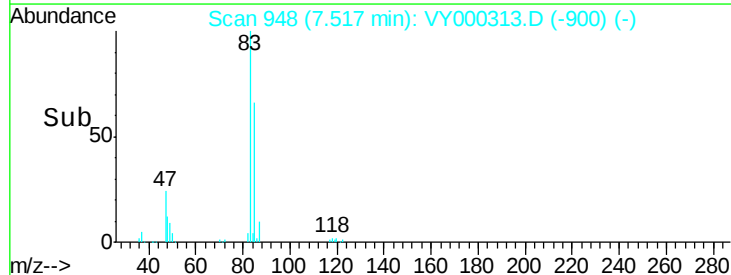
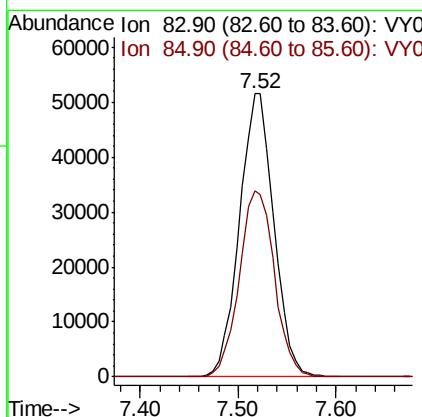
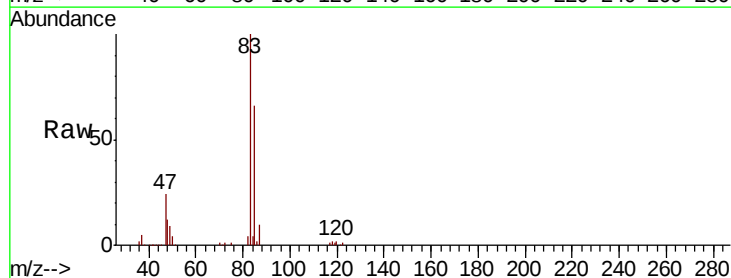
Manual Integrations
APPROVED

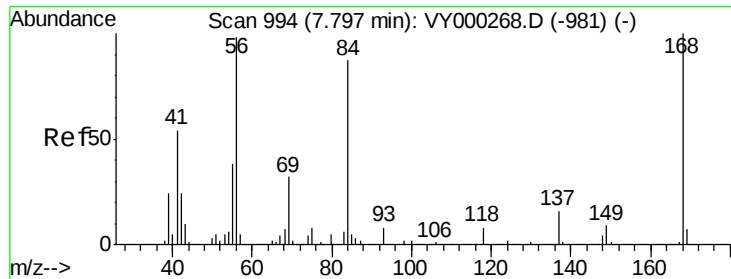
MMDadoda
10/18/2019 12:40:20 AM



#30
Chloroform
Concen: 20.381 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





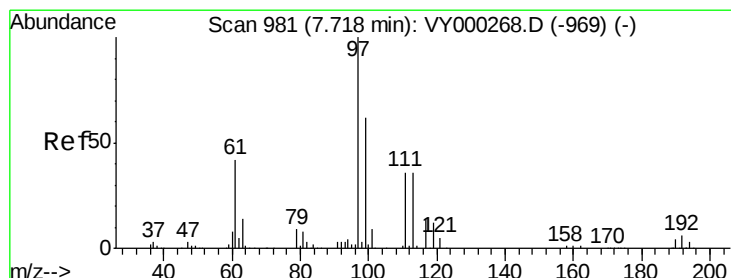
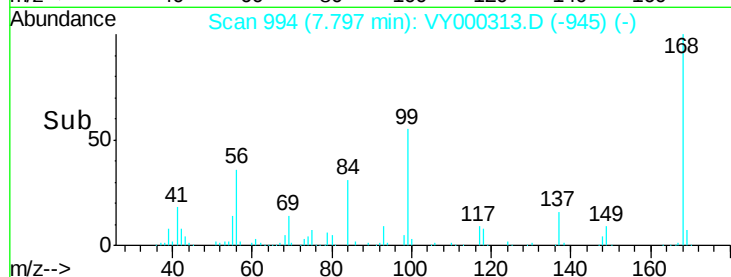
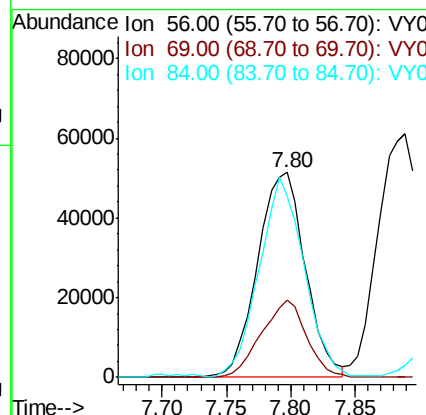
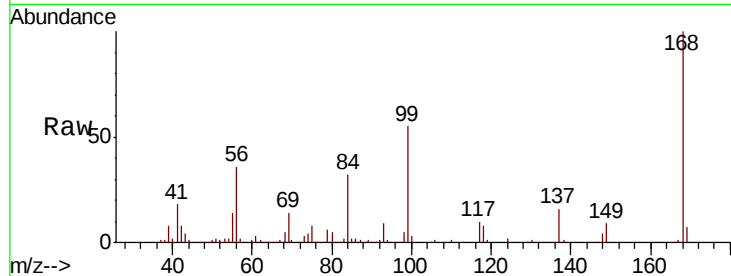
#31
Cyclohexane
Concen: 20.685 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	26.3	39.5
84	87.3	70.8	106.2

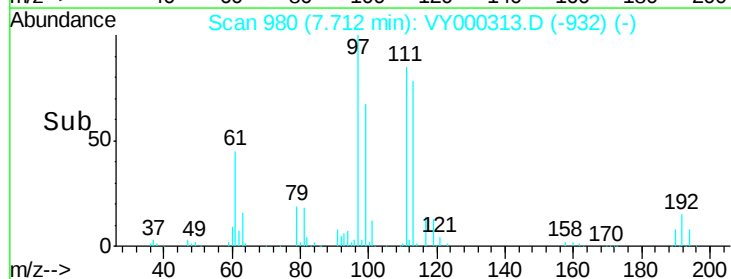
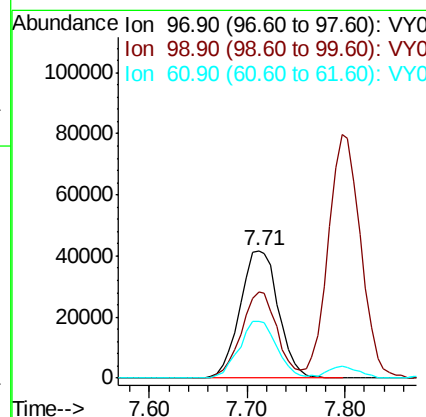
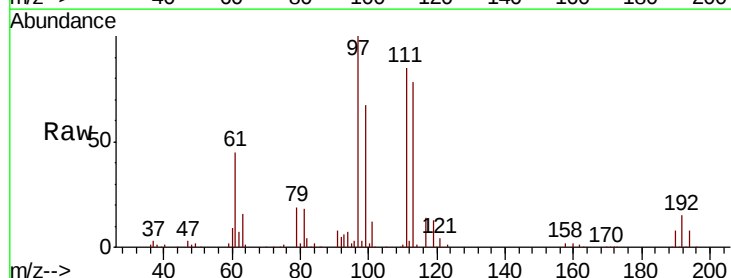
Manual Integrations
APPROVED

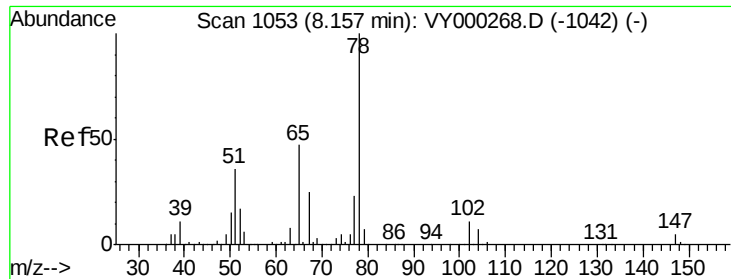
MMDadoda
10/18/2019 12:40:20 AM



#32
1,1,1-Trichloroethane
Concen: 20.544 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	43.9	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 53.096 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 65 Resp: 177822

Ion Ratio Lower Upper

65 100

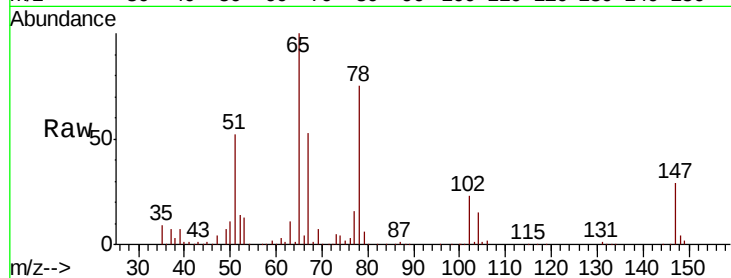
67 55.1 0.0 109.4

Manual Integrations

APPROVED

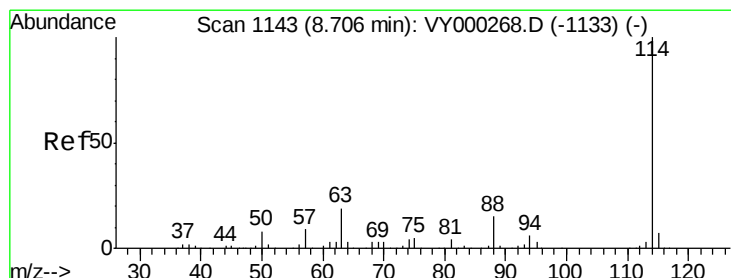
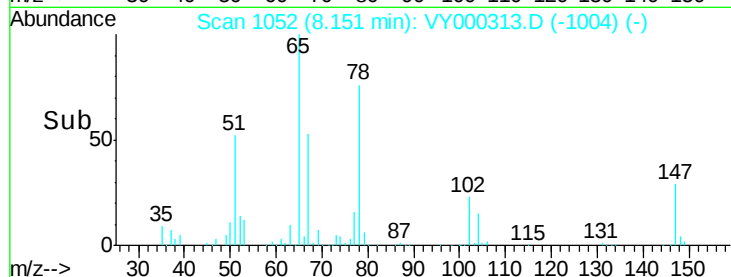
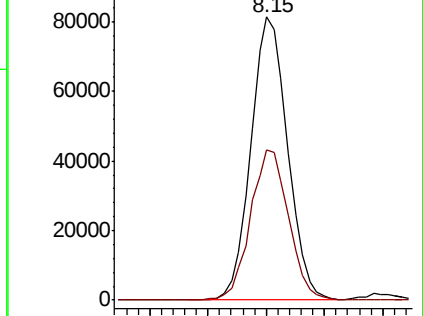
MMDadoda

10/18/2019 12:40:20 AM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

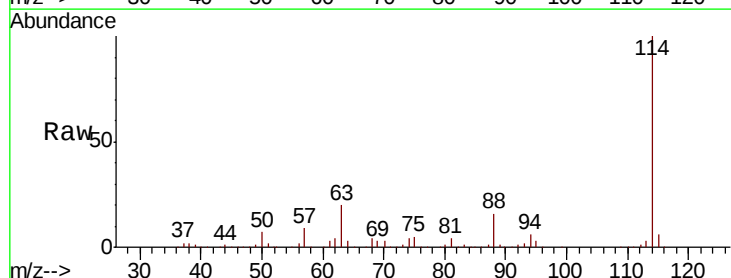
Tgt Ion: 114 Resp: 535669

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.2

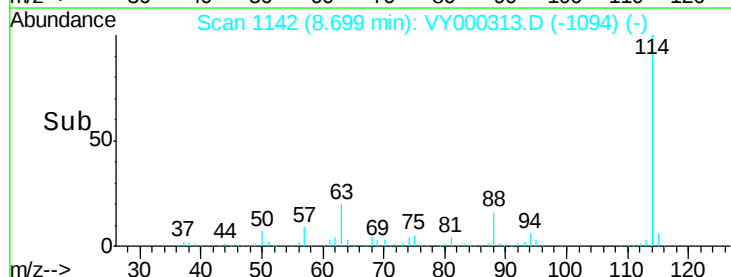
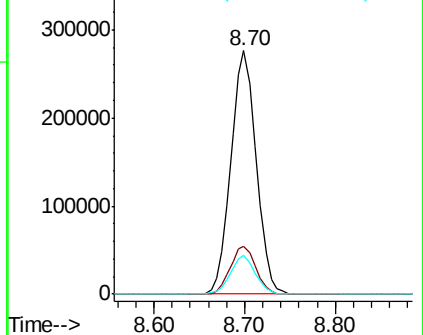
88 15.9 0.0 30.2

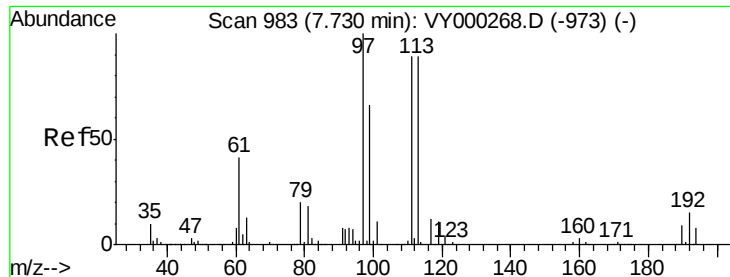


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 49.676 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

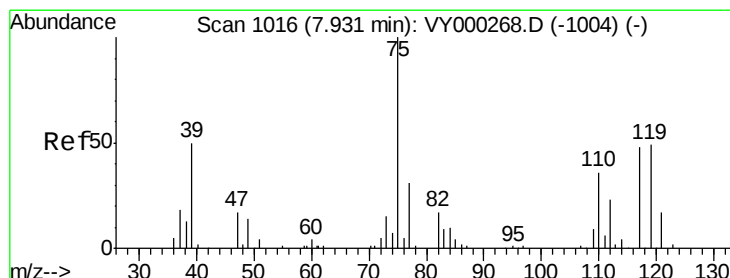
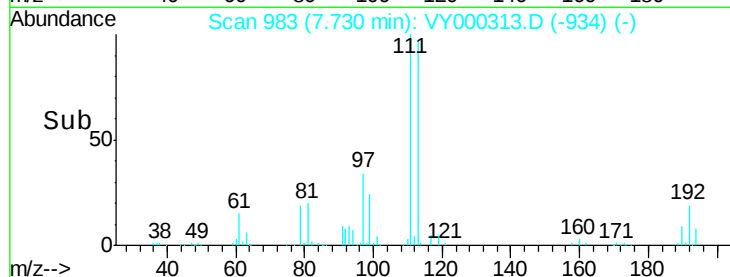
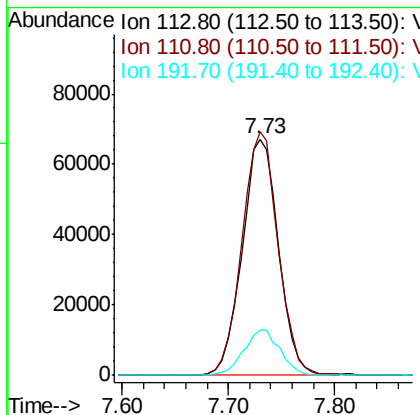
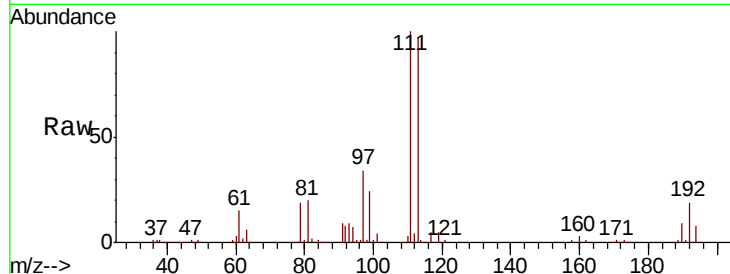
ClientSampleId :

VY1015SBS01

Tot Ion:	113	Resp:	160514
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.6	122.4
192	19.2	15.3	22.9

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#36

1,1-Dichloropropene

Concen: 19.528 ug/l

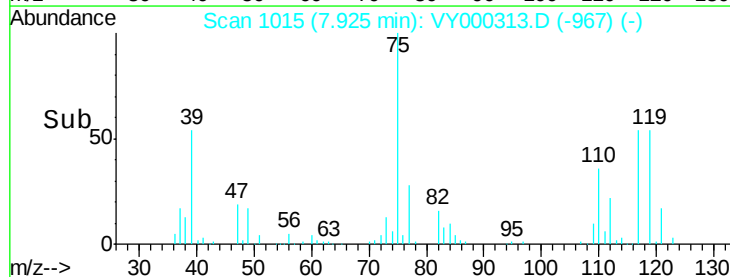
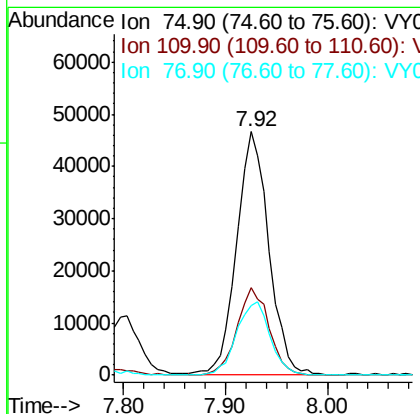
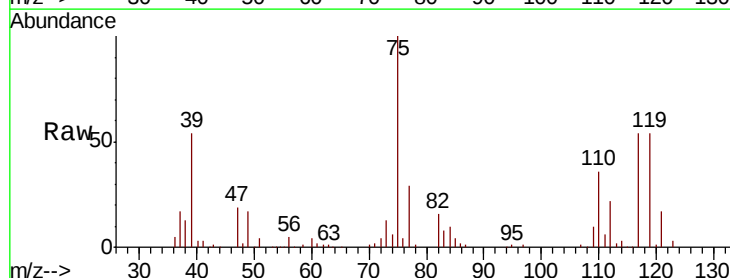
RT: 7.92 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:	75	Resp:	102418
Ion Ratio	Lower	Upper	
75	100		
110	35.5	18.4	55.4
77	31.4	25.0	37.6





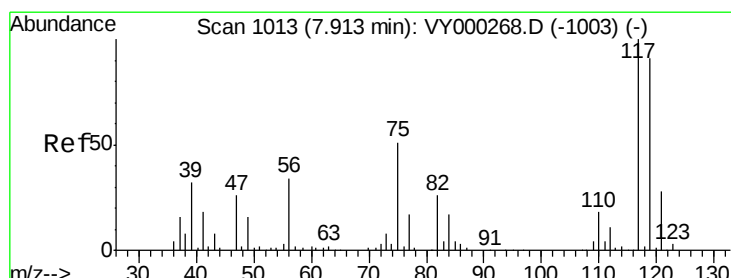
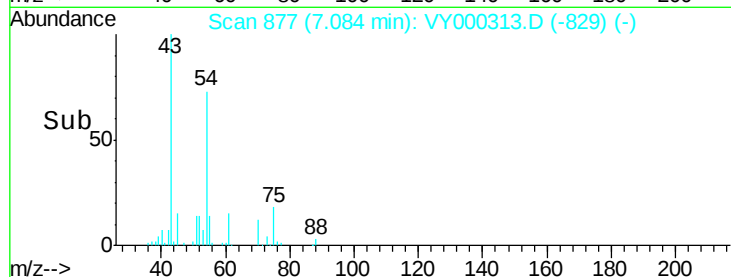
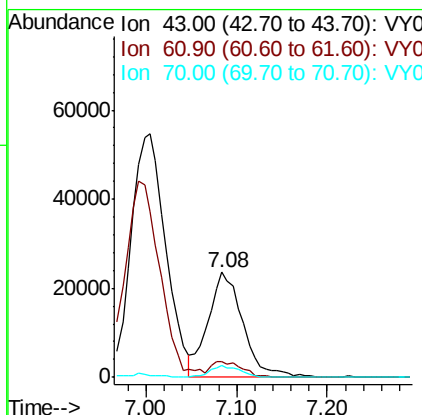
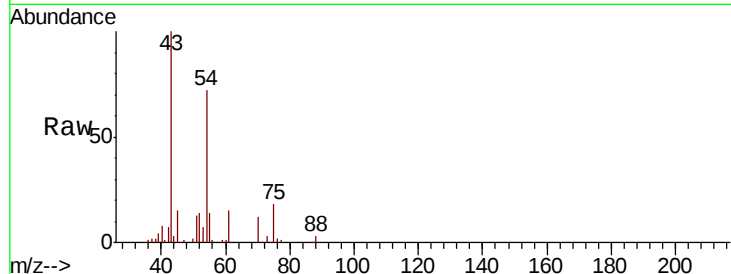
#37
Ethyl Acetate
Concen: 20.320 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	12.1	18.1
70	10.2	8.7	13.1

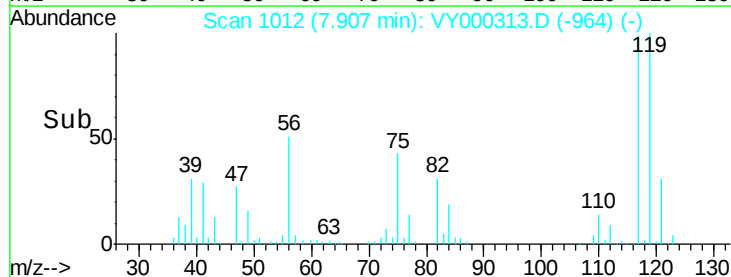
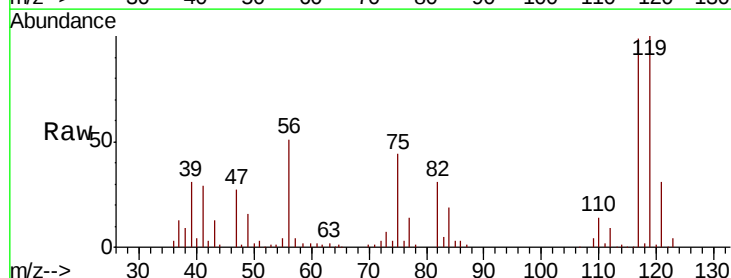
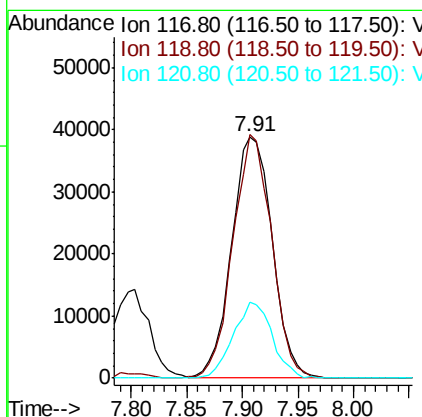
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#38
Carbon Tetrachloride
Concen: 19.431 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	72.8	109.2
121	31.4	22.2	33.2





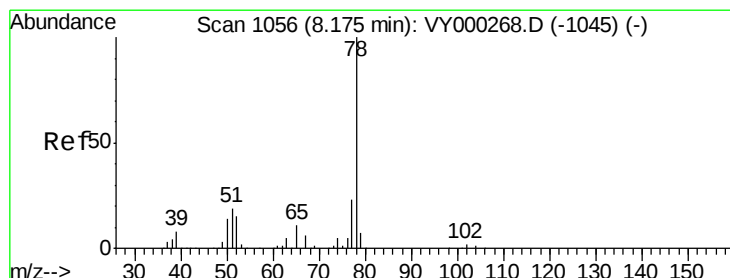
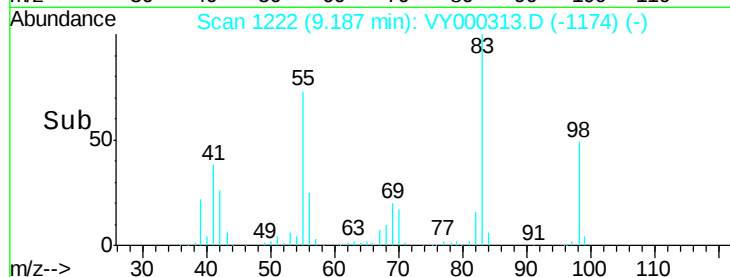
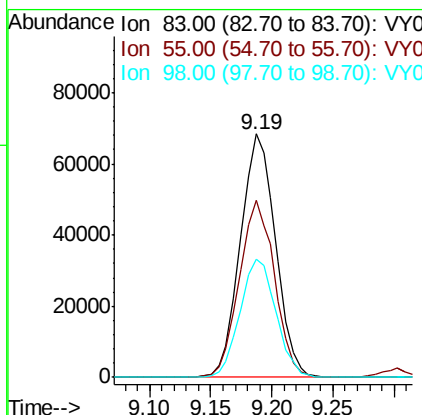
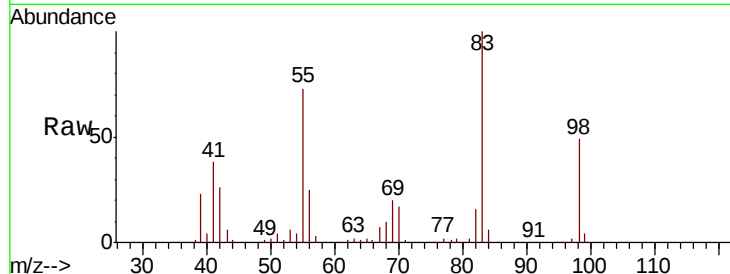
#39
Methvlcvclohexane
Concen: 19.881 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	83	Resp	136462
Ion Ratio	100	Lower	Upper
83	100		
55	72.9	60.9	91.3
98	48.7	41.8	62.6

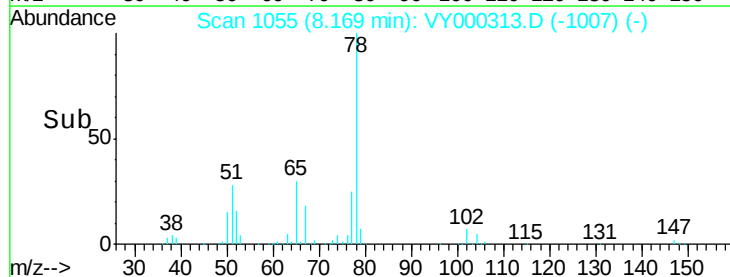
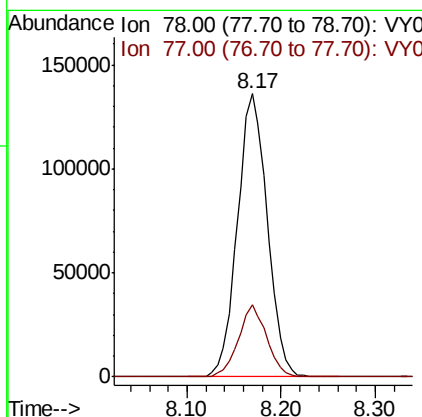
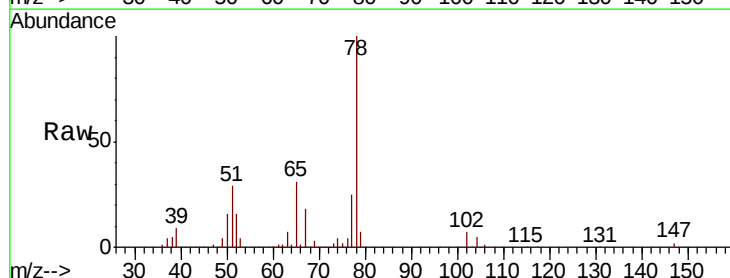
Manual Integrations
APPROVED

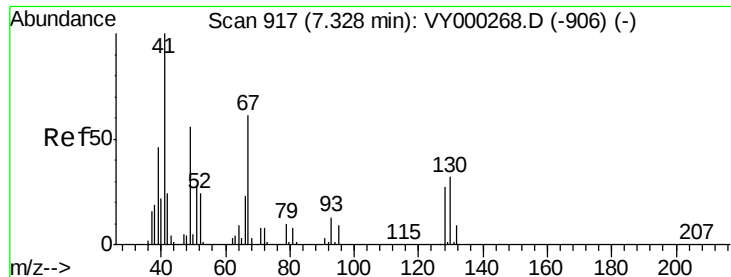
MMDadoda
10/18/2019 12:40:20 AM



#40
Benzene
Concen: 19.864 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	78	Resp	301061
Ion Ratio	100	Lower	Upper
78	100		
77	25.3	18.8	28.2





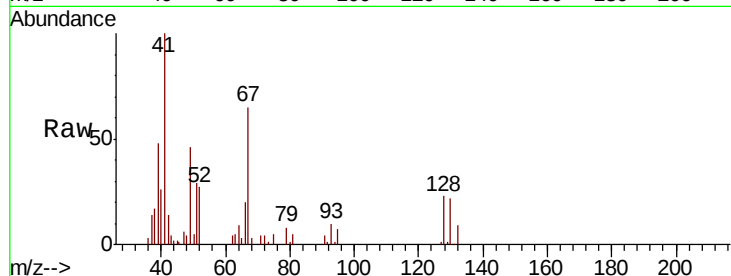
#41
Methacrylonitrile
Concen: 16.875 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

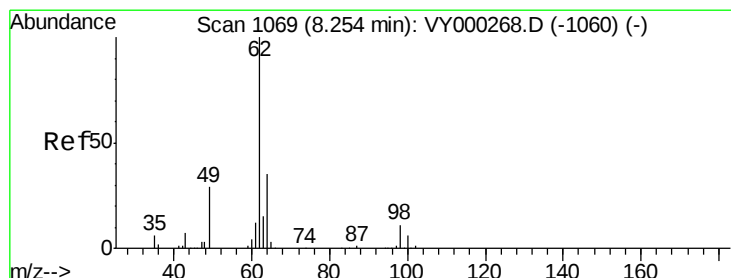
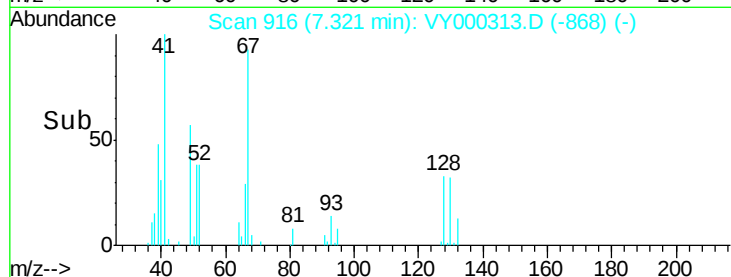
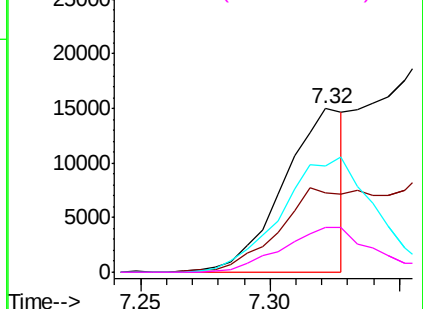
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	110.2	165.2#	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM

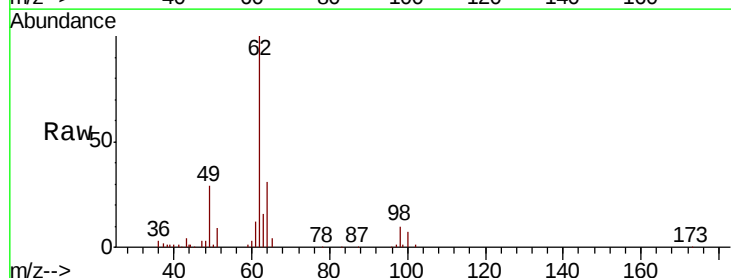


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

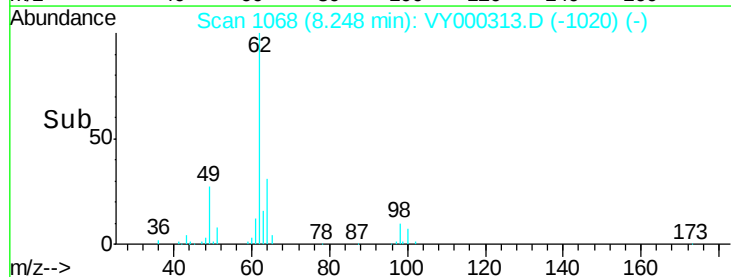
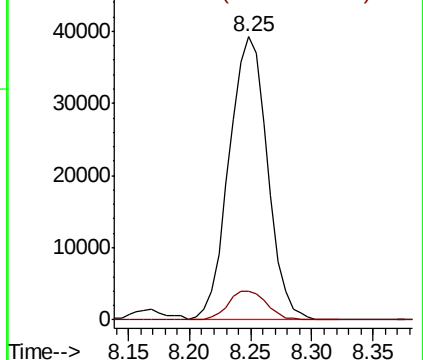


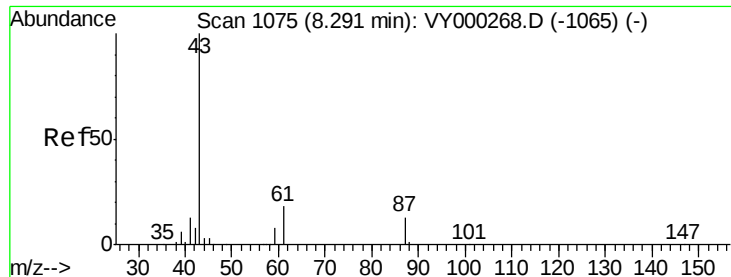
#42
1,2-Dichloroethane
Concen: 19.685 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.6	



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 19.390 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

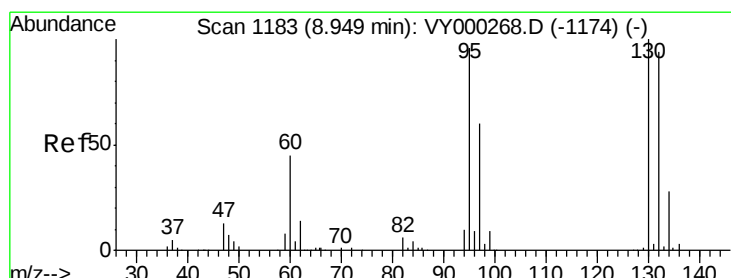
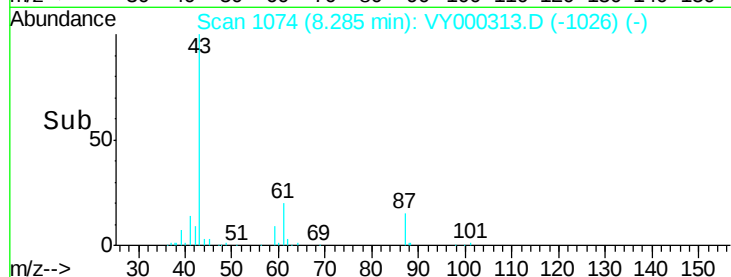
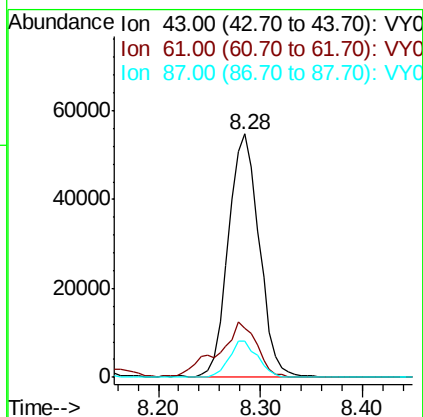
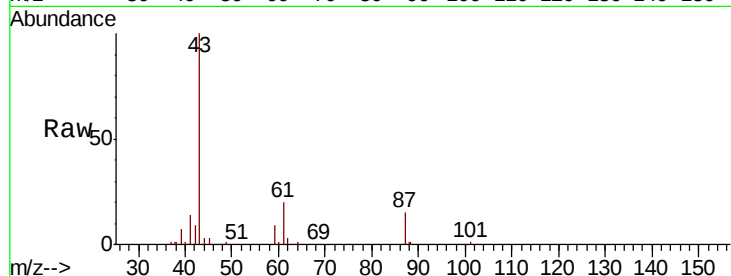
ClientSampleId :

VY1015SBS01

Tot Ion:	43	Resp:	114494
Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.3	33.5
87	13.7	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#44

Trichloroethene

Concen: 19.748 ug/l

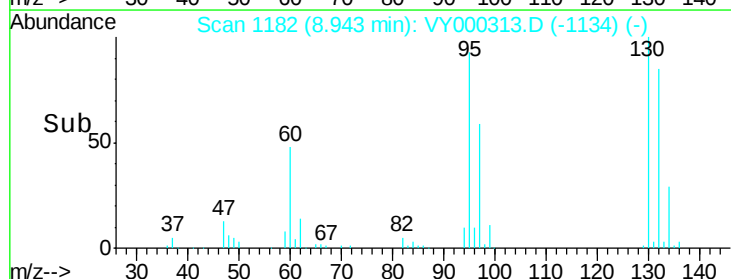
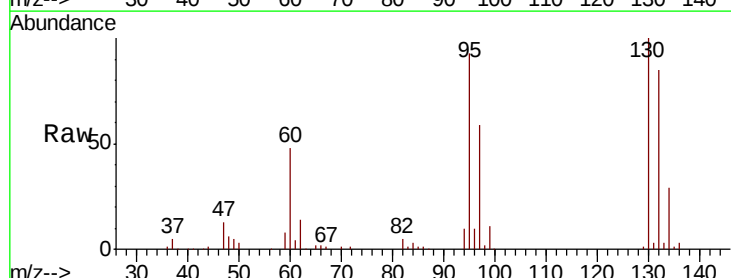
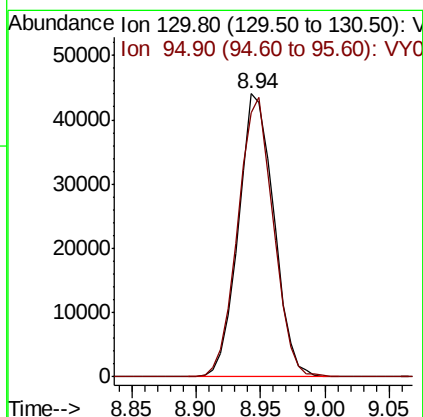
RT: 8.94 min Scan# 1182

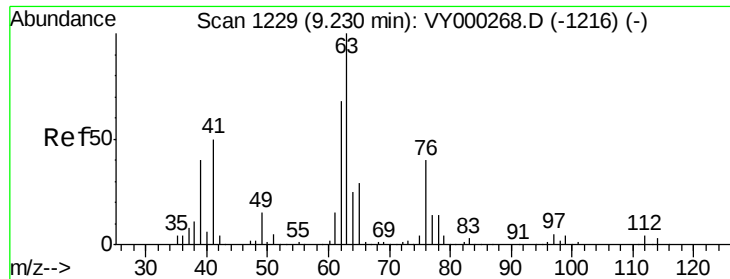
Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:	130	Resp:	83979
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	191.4





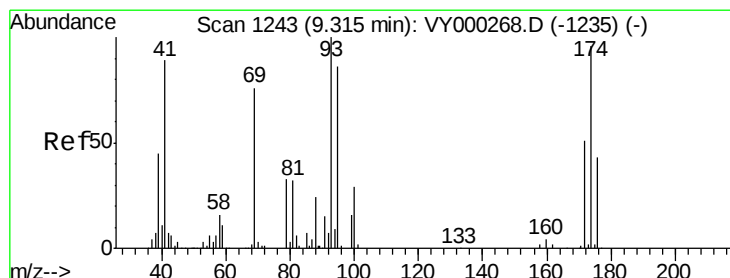
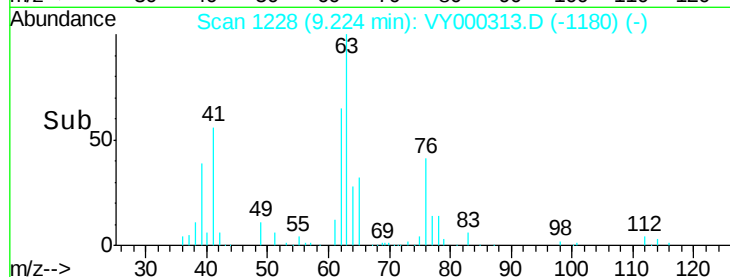
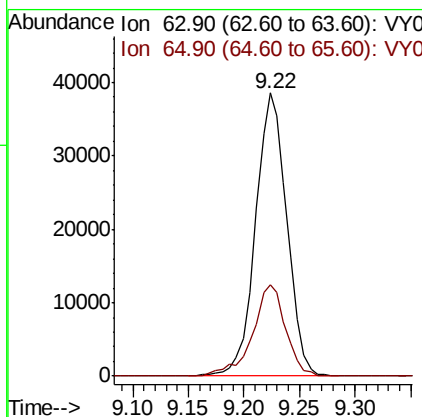
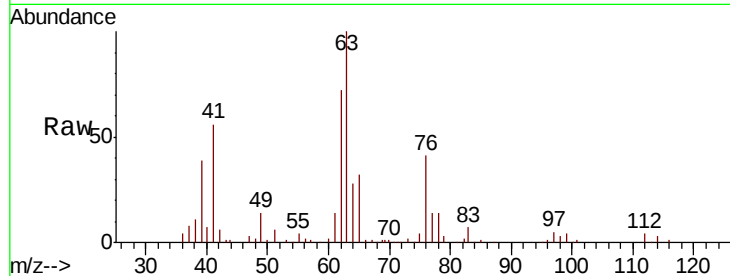
#45
 1,2-Dichloropropane
 Concen: 20.258 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion: 63 Resp: 75348
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.2 34.8

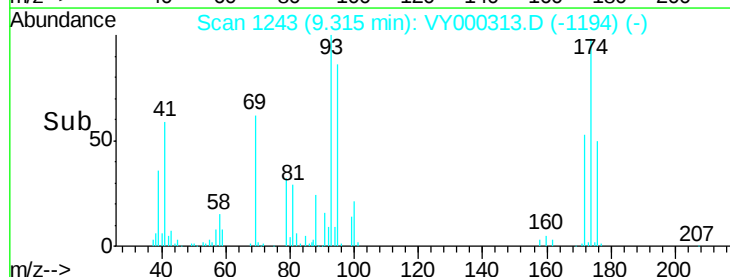
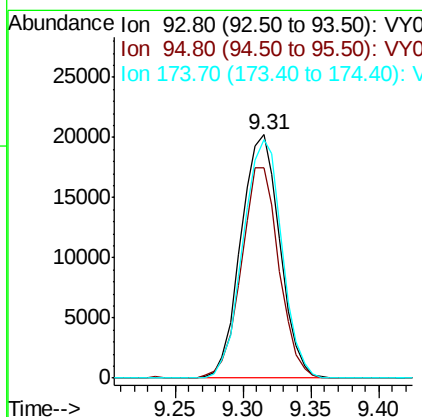
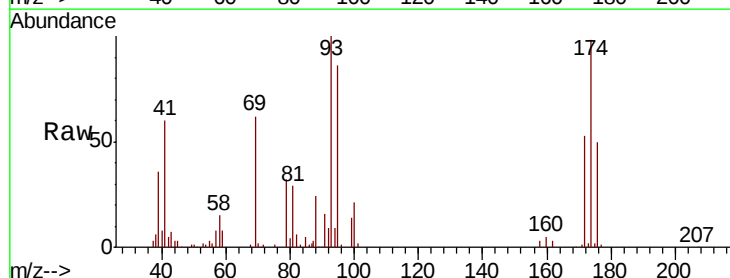
Manual Integrations
 APPROVED

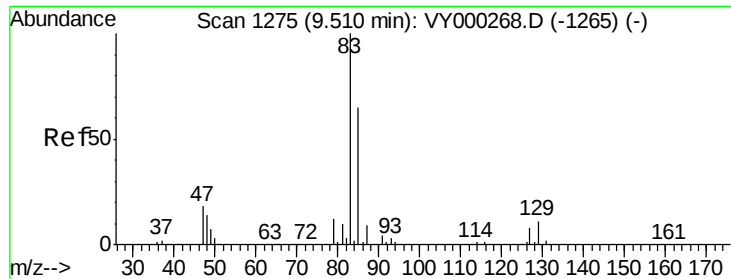
MMDadoda
 10/18/2019 12:40:20 AM



#46
 Dibromomethane
 Concen: 19.483 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 93 Resp: 40508
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.2 102.2
 174 98.1 79.8 119.6





#47

Bromodichloromethane

Concen: 20.217 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

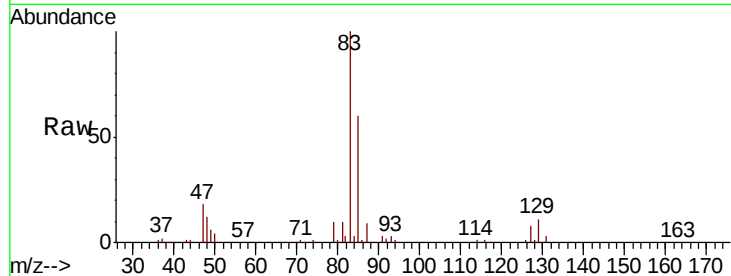
ClientSampleId :

VY1015SBS01

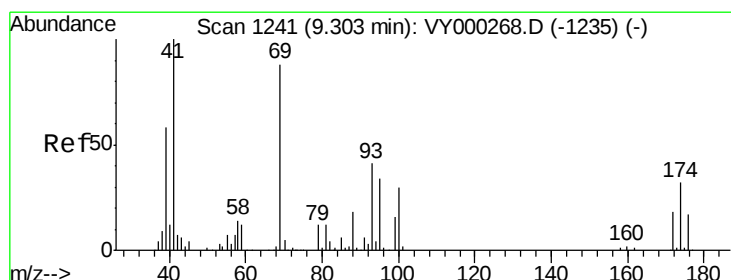
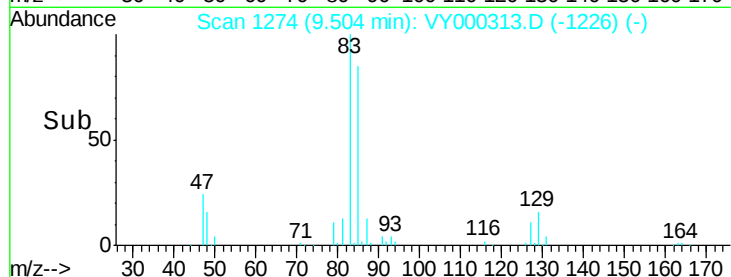
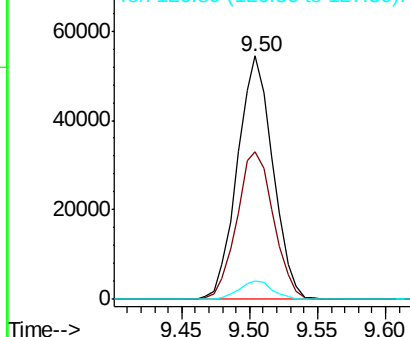
Tot Ion:	83	Resp:	99062
Ion Ratio	Lower	Upper	
83	100		
85	60.5	52.2	78.2
127	7.8	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 19.259 ug/l

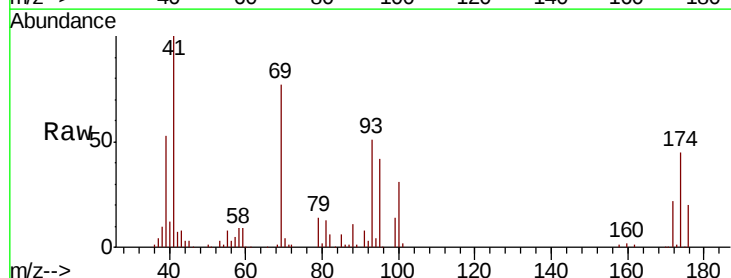
RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

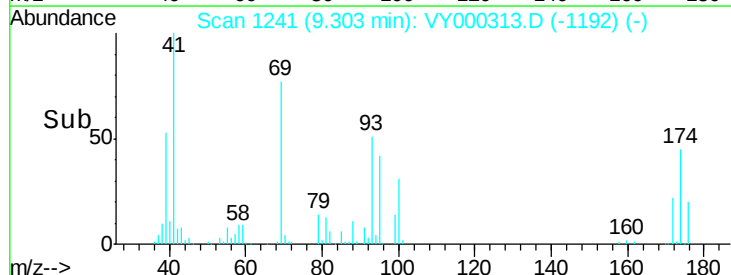
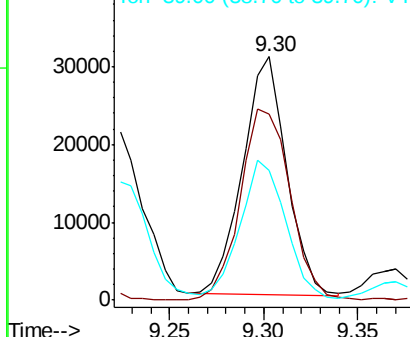
Lab File: VY000313.D

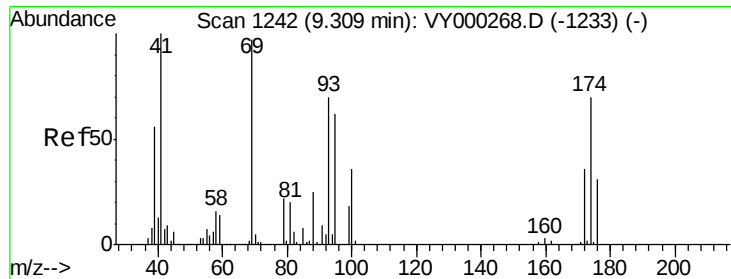
Acq: 15 Oct 2019 12:32

Tgt Ion:	41	Resp:	49837
Ion Ratio	Lower	Upper	
41	100		
69	90.8	70.0	105.0
39	61.0	47.7	71.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





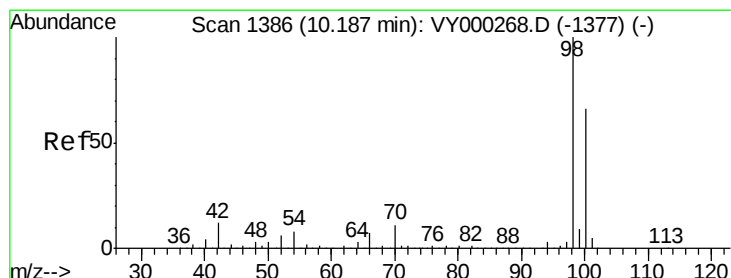
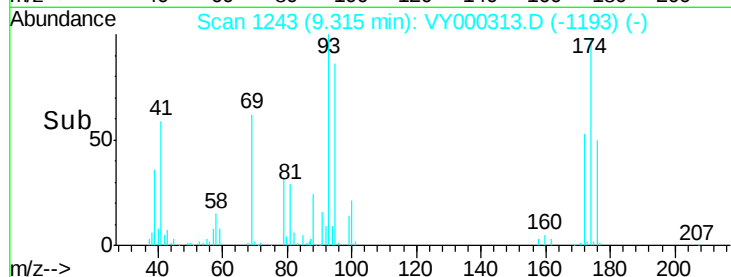
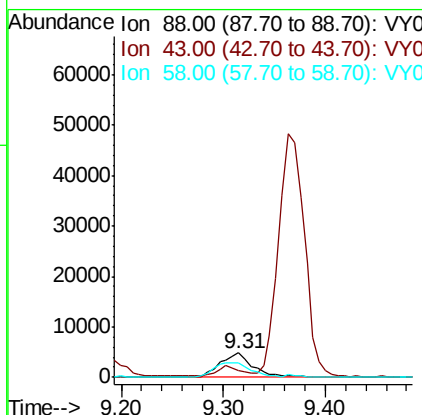
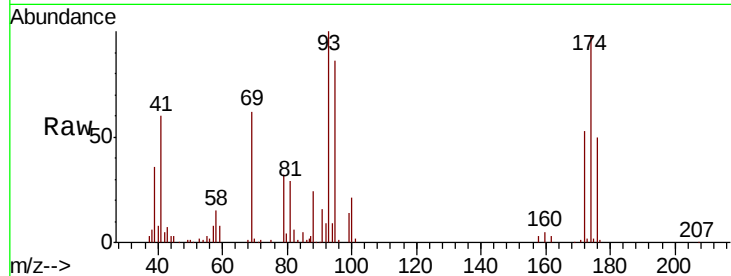
#49
1,4-Dioxane
Concen: 349.928 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.6	38.4
58	69.9	54.6	81.8

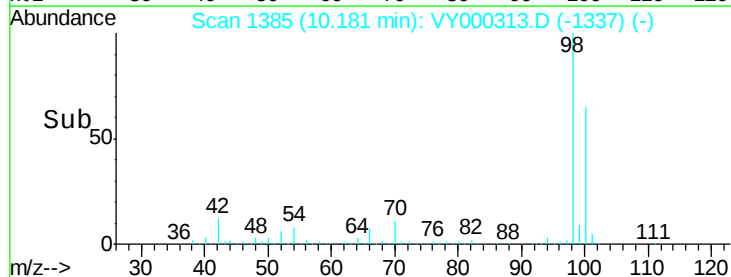
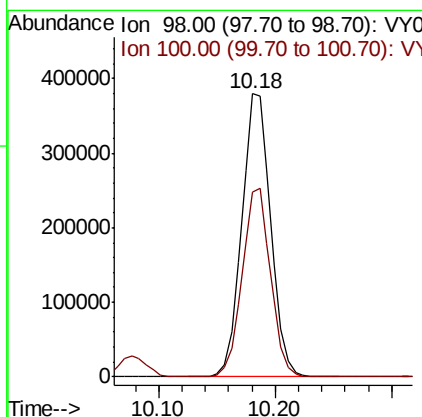
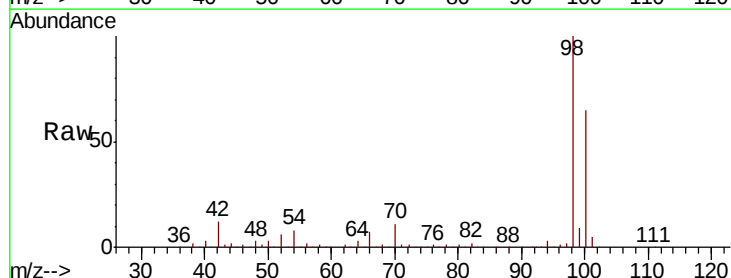
Manual Integrations
APPROVED

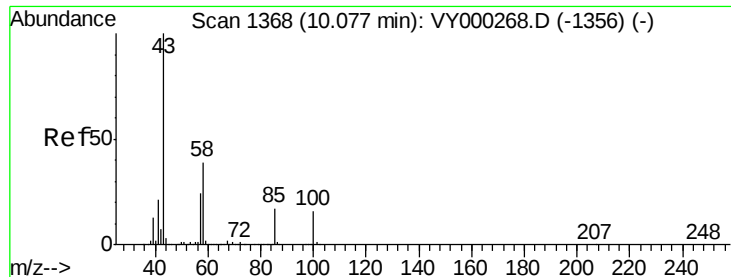
MMDadoda
10/18/2019 12:40:20 AM



#50
Toluene-d8
Concen: 52.711 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 99.751 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 43 Resp: 303788

Ion Ratio Lower Upper

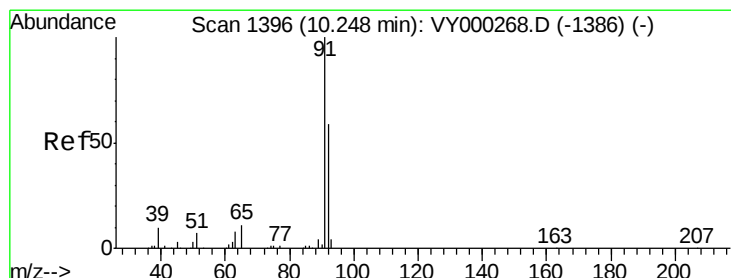
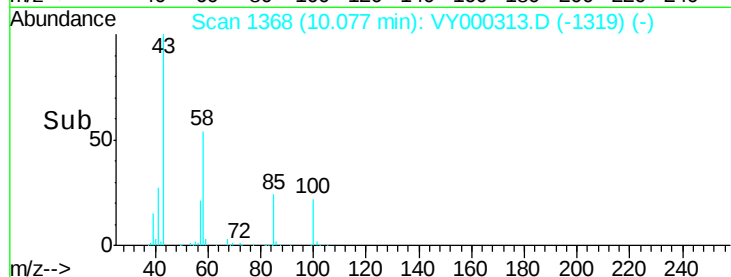
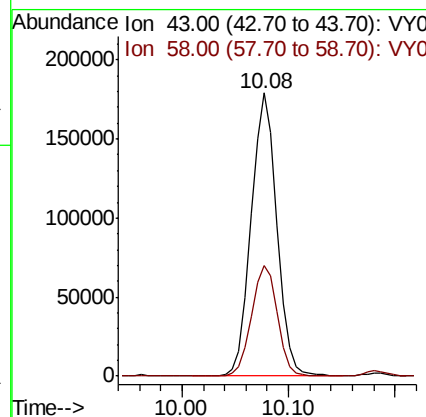
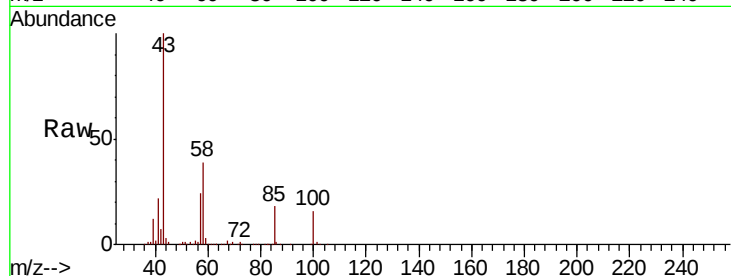
43 100

58 39.4 31.0 46.6

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:40:20 AM



#52

Toluene

Concen: 19.926 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000313.D

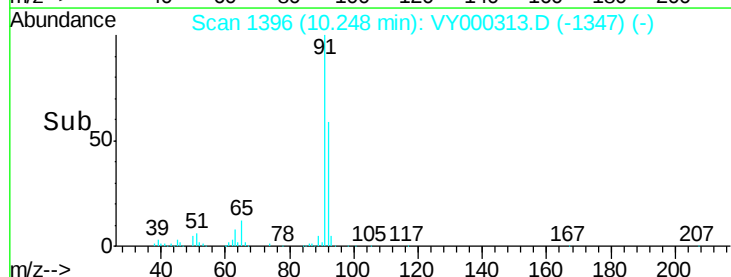
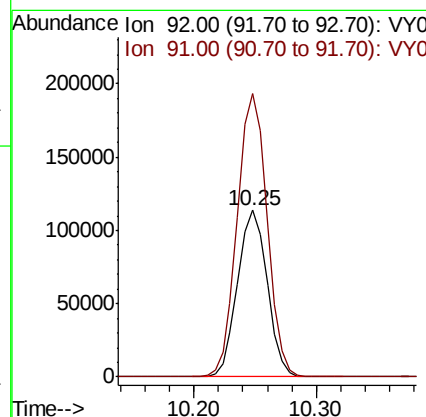
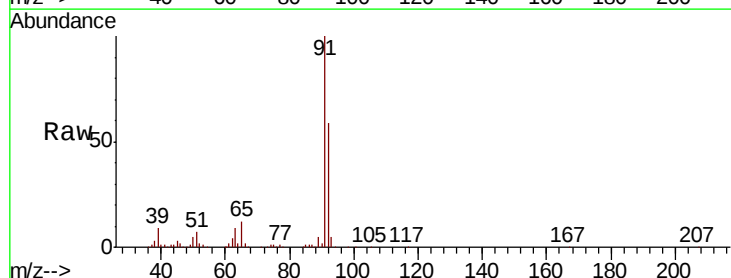
Acq: 15 Oct 2019 12:32

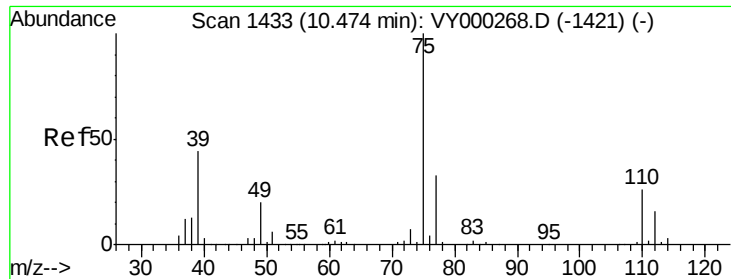
Tgt Ion: 92 Resp: 191741

Ion Ratio Lower Upper

92 100

91 170.3 136.6 205.0





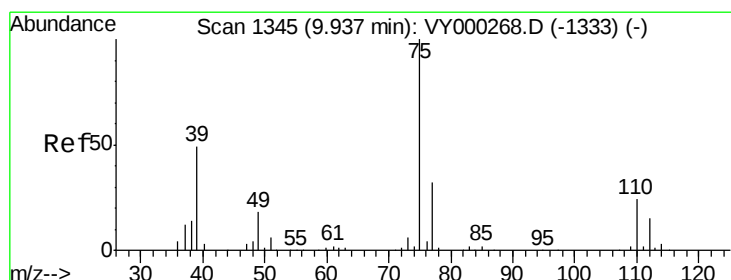
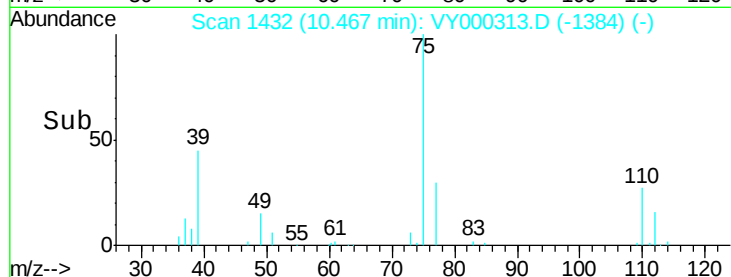
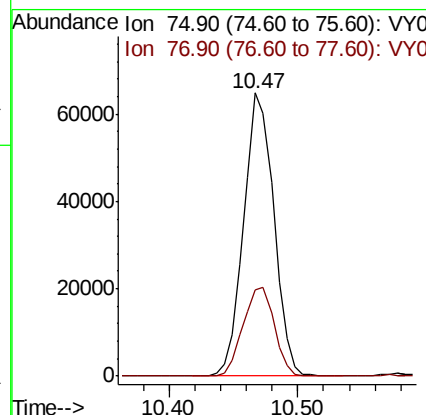
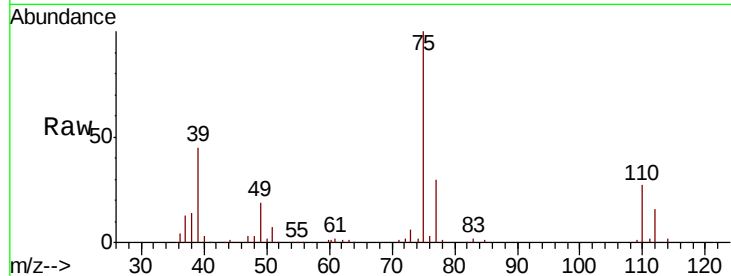
#53
t-1,3-Dichloropropene
Concen: 19.990 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion: 75 Resp: 104977
Ion Ratio Lower Upper
75 100
77 30.5 26.0 39.0

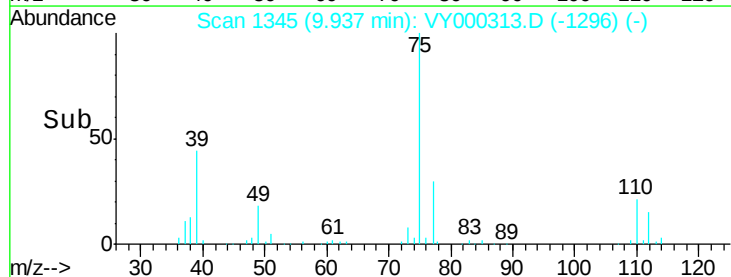
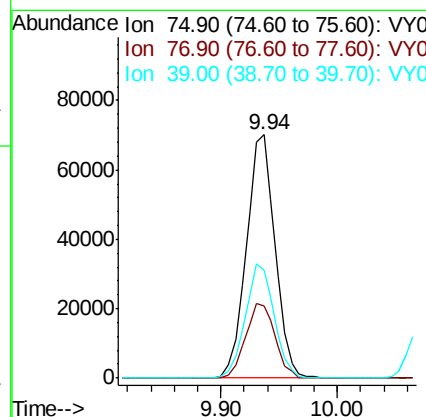
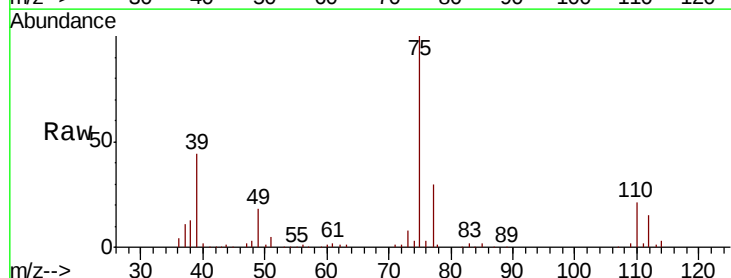
Manual Integrations
APPROVED

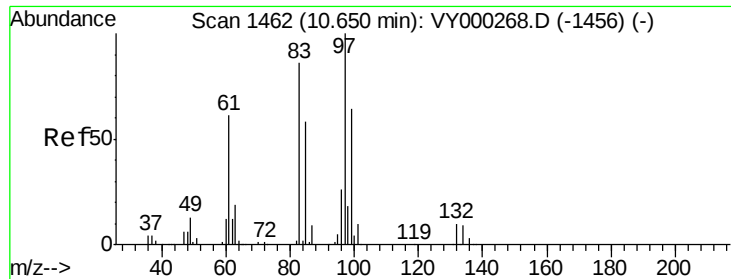
MMDadoda
10/18/2019 12:40:20 AM



#54
cis-1,3-Dichloropropene
Concen: 20.155 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 75 Resp: 120198
Ion Ratio Lower Upper
75 100
77 29.7 26.0 39.0
39 44.4 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 19.671 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 97 Resp: 59468

Ion Ratio Lower Upper

97 100

83 84.9 69.0 103.6

85 55.3 46.2 69.4

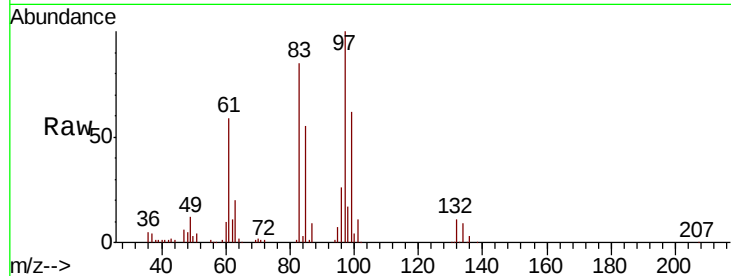
99 62.1 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:40:20 AM

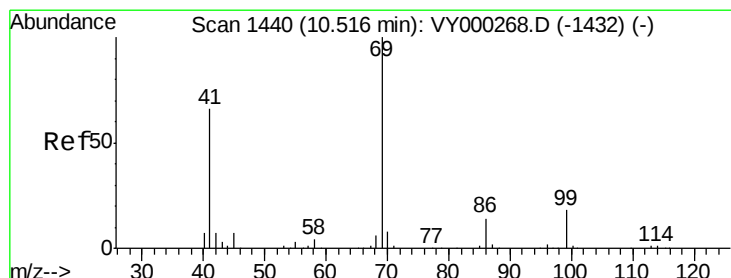
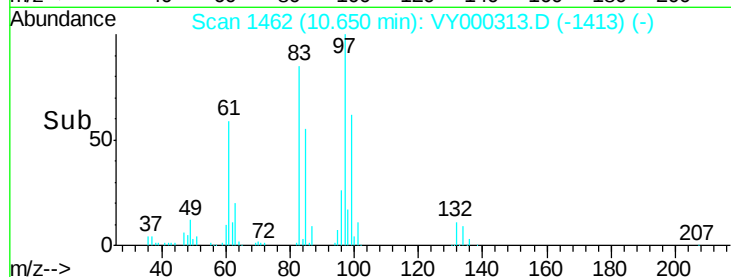
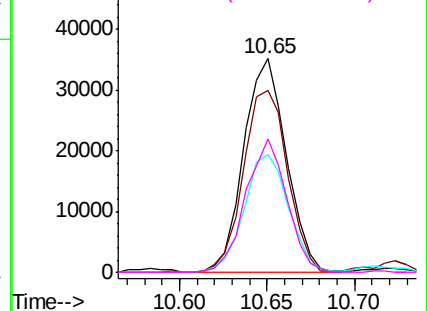


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 19.683 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

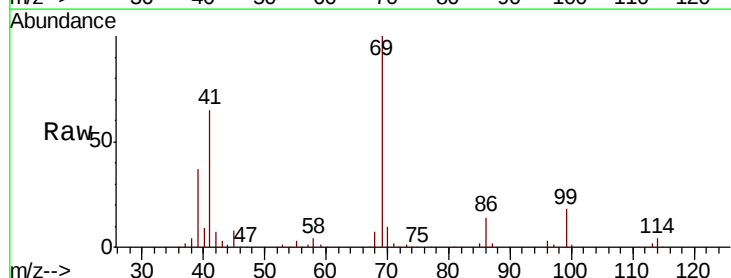
Tgt Ion: 69 Resp: 84815

Ion Ratio Lower Upper

69 100

41 68.6 52.5 78.7

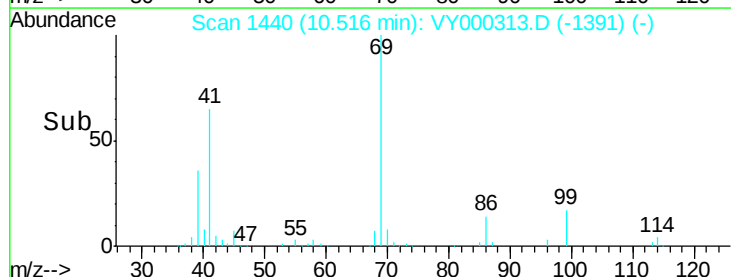
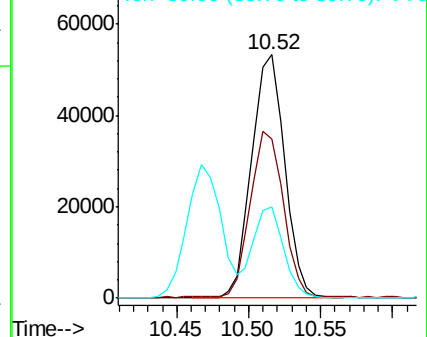
39 35.4 26.7 40.1

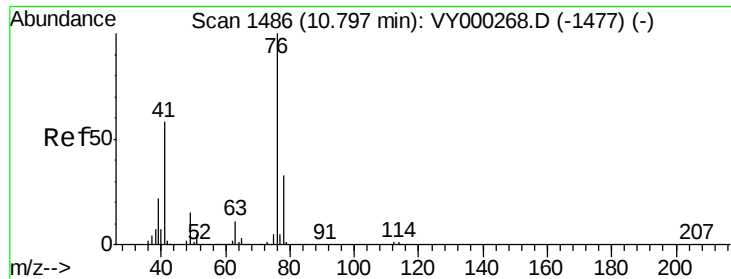


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





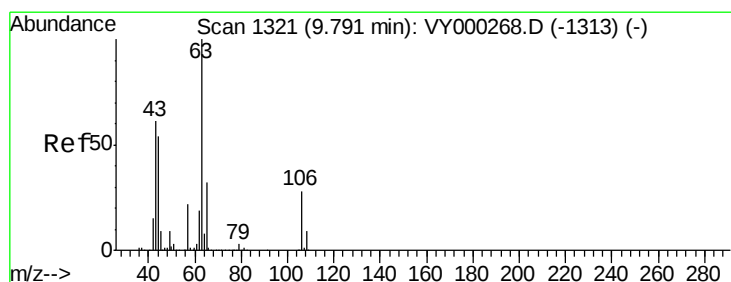
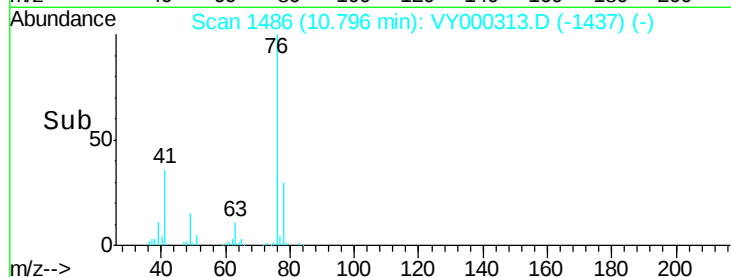
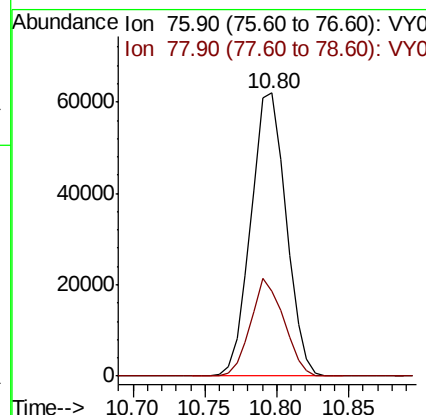
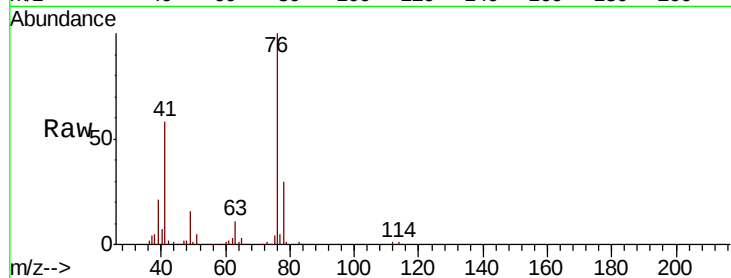
#57
 1,3-Dichloropropane
 Concen: 20.206 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

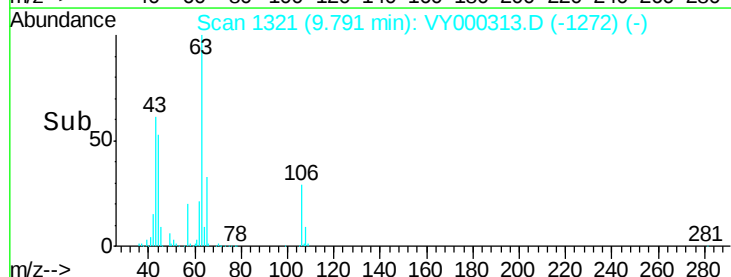
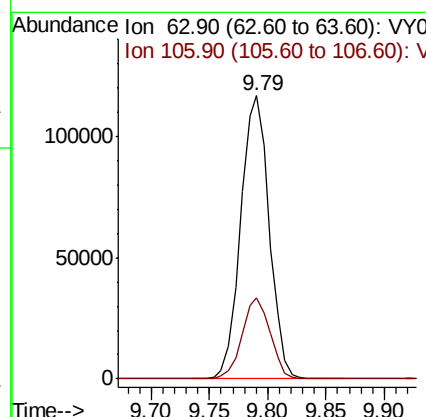
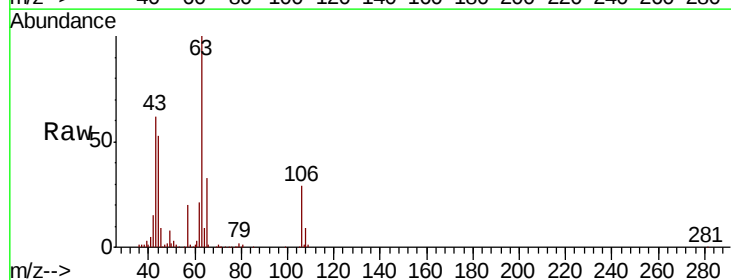
Manual Integrations
 APPROVED

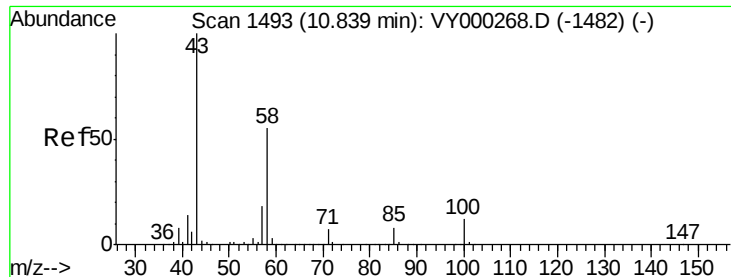
MMDadoda
 10/18/2019 12:40:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.919 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.0	34.4





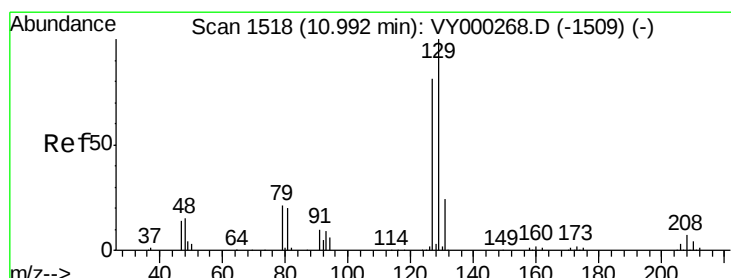
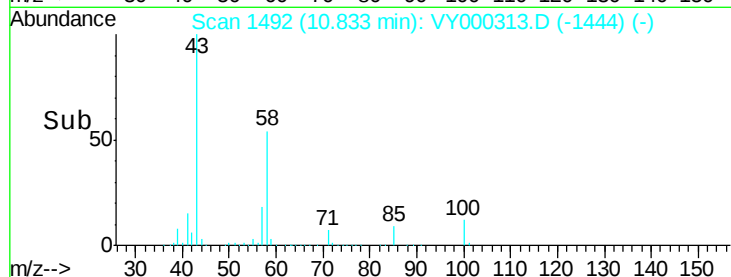
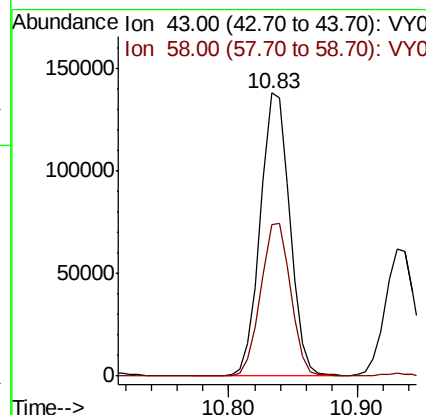
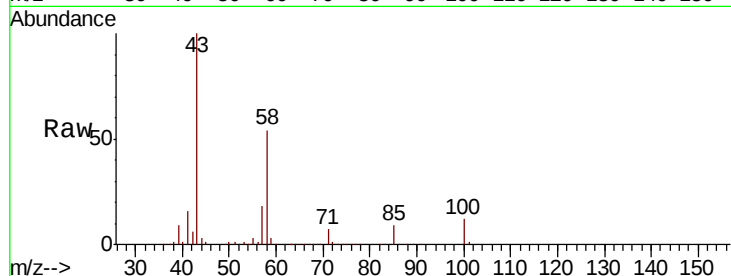
#59
2-Hexanone
Concen: 102.303 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion: 43 Resp: 218688
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1

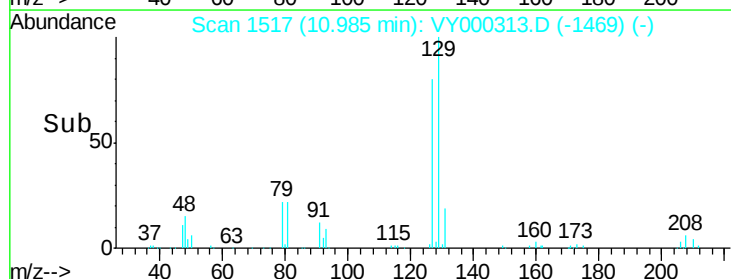
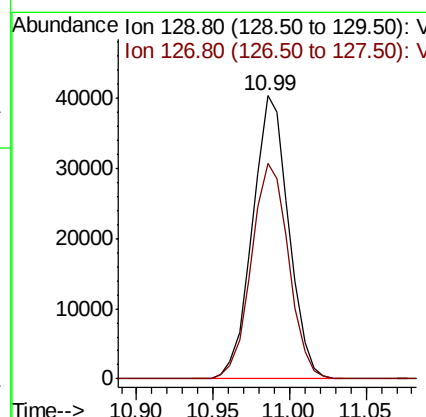
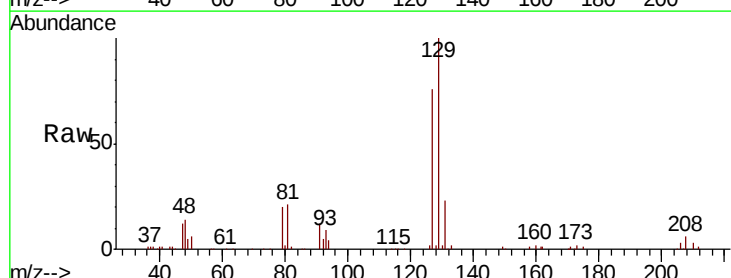
Manual Integrations
APPROVED

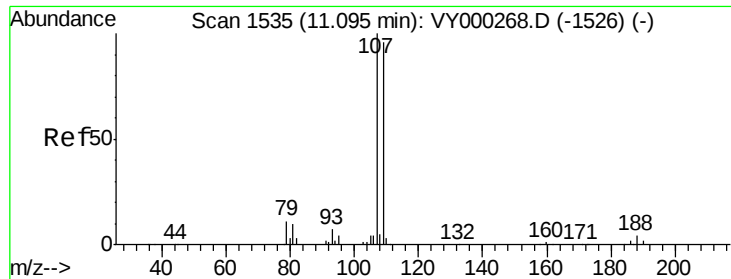
MMDadoda
10/18/2019 12:40:20 AM



#60
Dibromochloromethane
Concen: 19.802 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 129 Resp: 66352
Ion Ratio Lower Upper
129 100
127 78.4 39.9 119.7





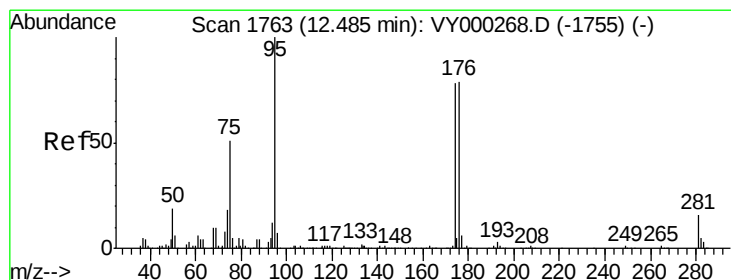
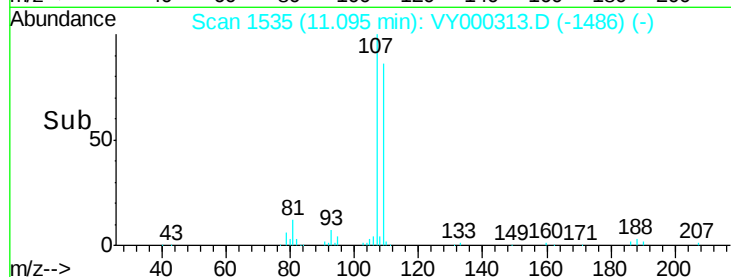
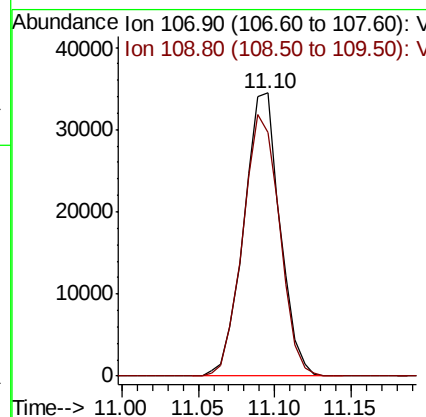
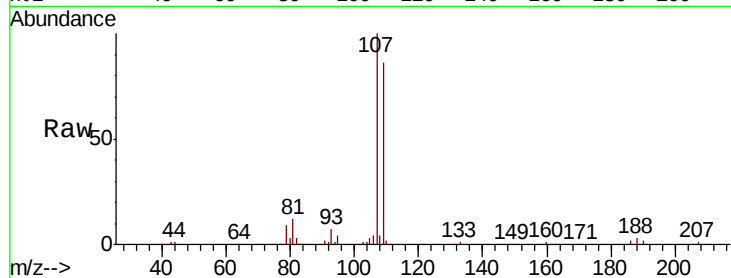
#61
 1,2-Dibromoethane
 Concen: 19.480 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.1	112.7

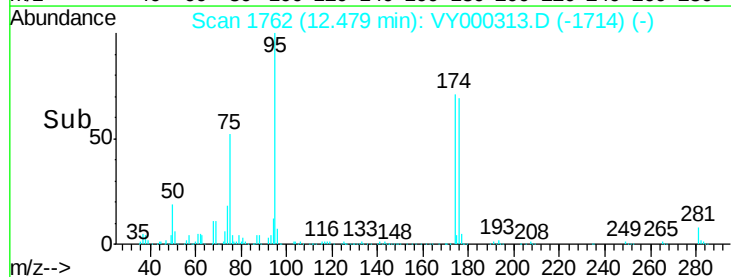
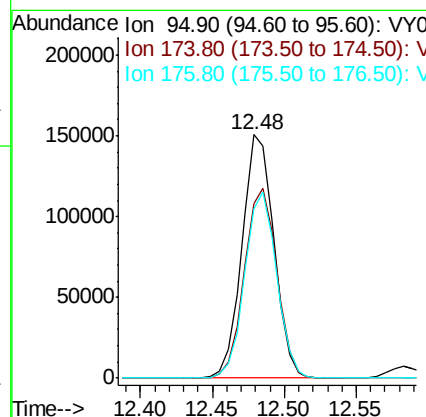
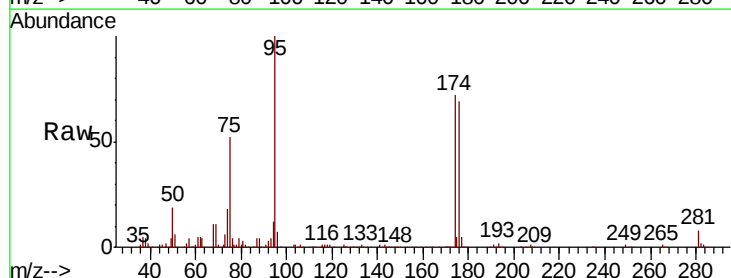
Manual Integrations
 APPROVED

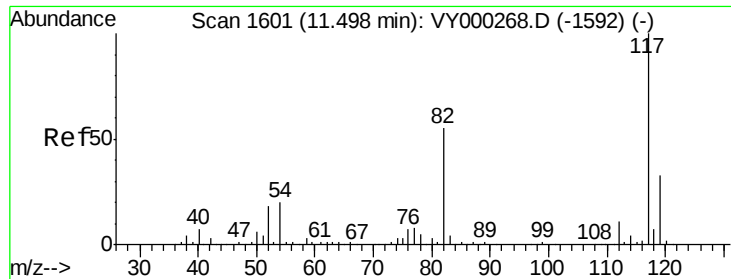
MMDadoda
 10/18/2019 12:40:20 AM



#62
 4-Bromofluorobenzene
 Concen: 49.080 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	159.6
176	76.0	0.0	153.8





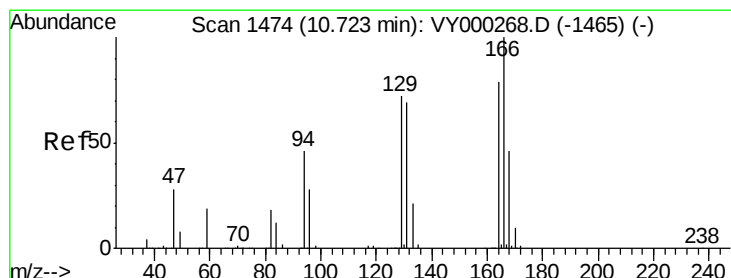
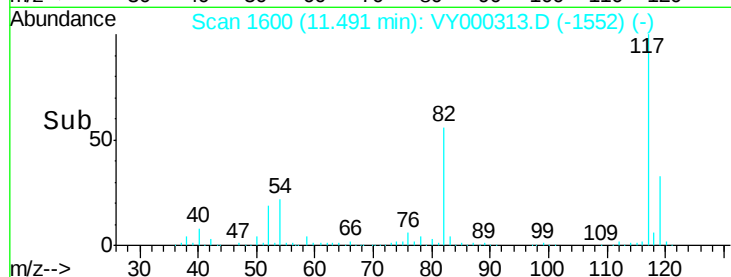
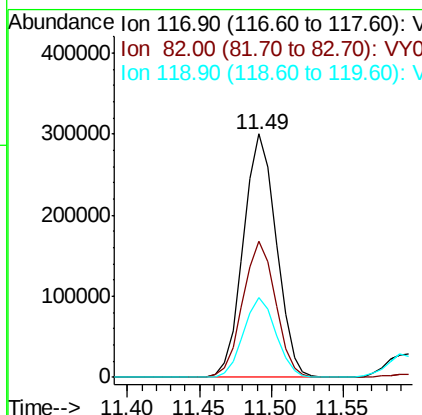
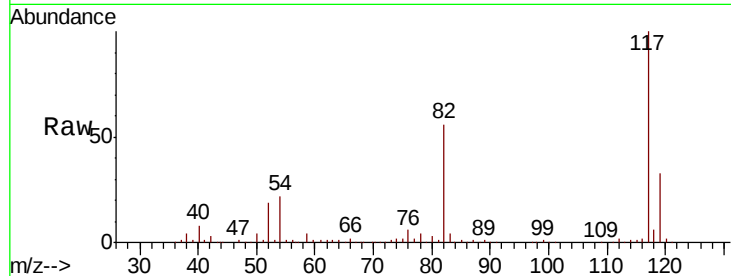
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.7	65.5
119	32.9	26.6	39.8

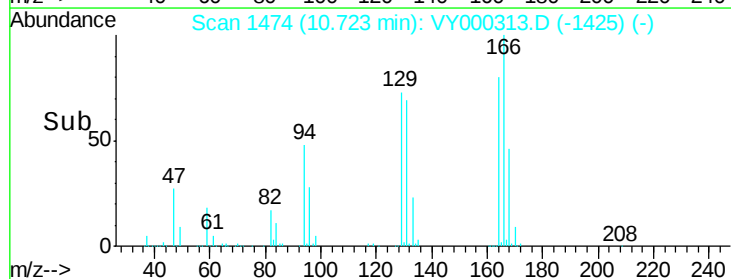
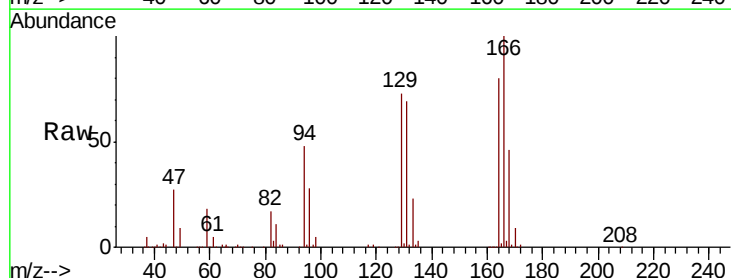
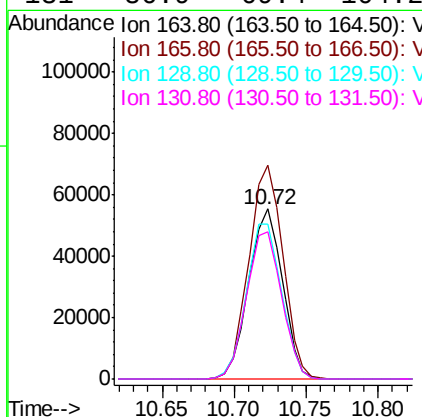
Manual Integrations
APPROVED

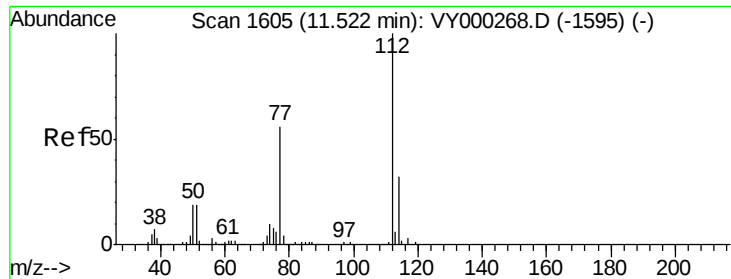
MMDadoda
10/18/2019 12:40:20 AM



#64
Tetrachloroethene
Concen: 19.839 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.6	151.0
129	91.2	72.8	109.2
131	86.9	69.4	104.2





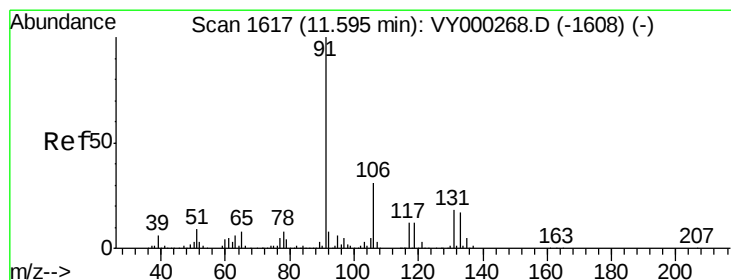
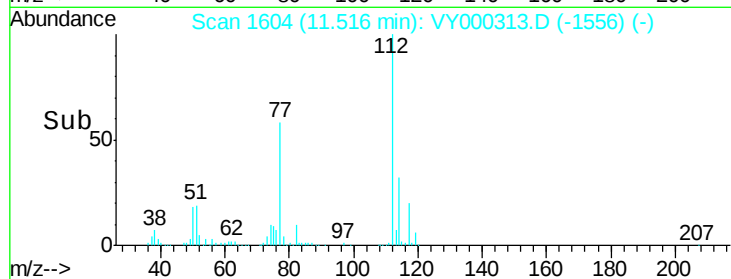
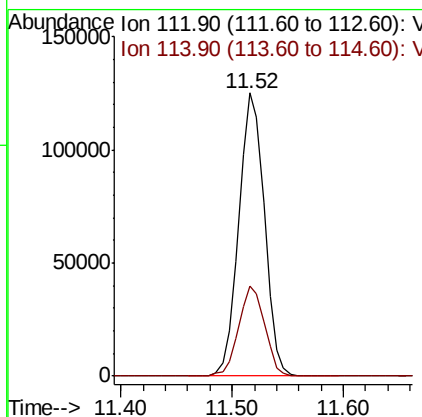
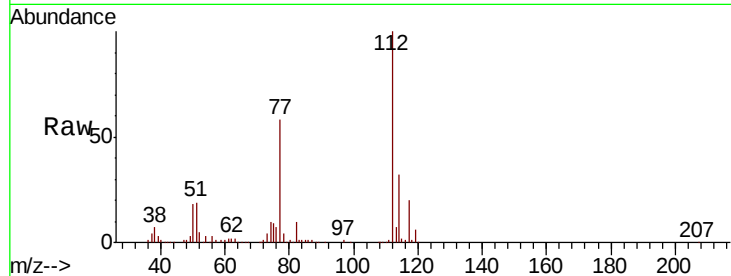
#65
Chlorobenzene
Concen: 19.804 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	199145		
114	31.7	25.7	38.5	

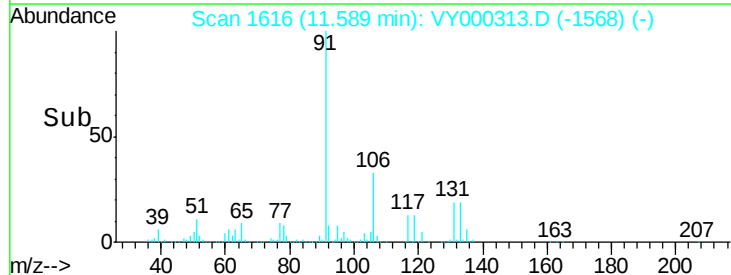
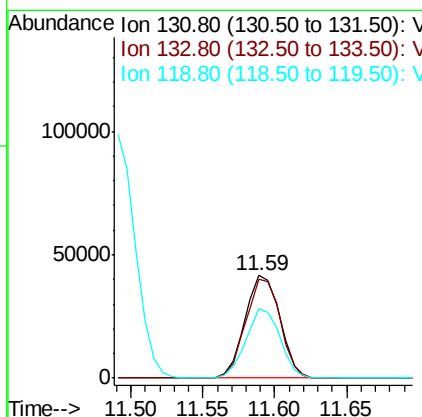
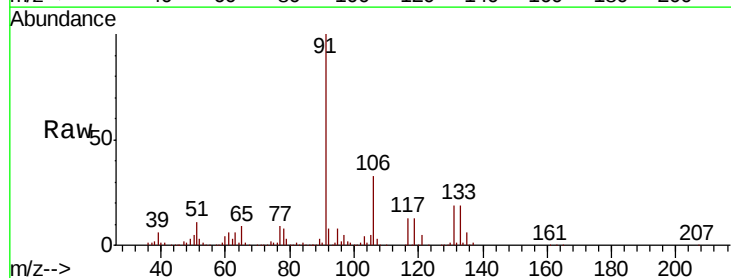
Manual Integrations
APPROVED

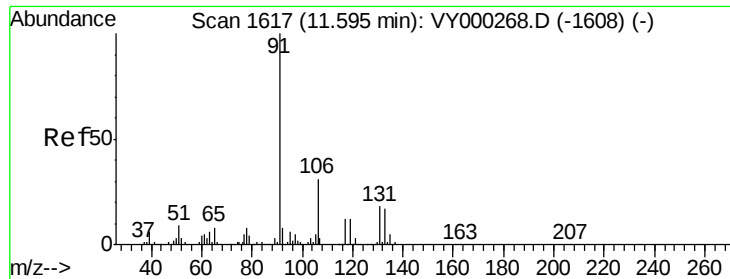
MMDadoda
10/18/2019 12:40:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.691 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	69557		
133	96.5	47.2	141.6	
119	66.6	32.6	98.0	





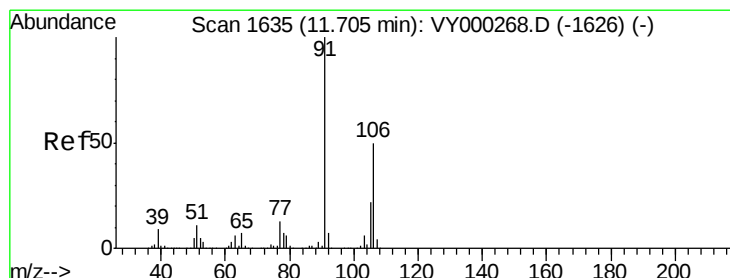
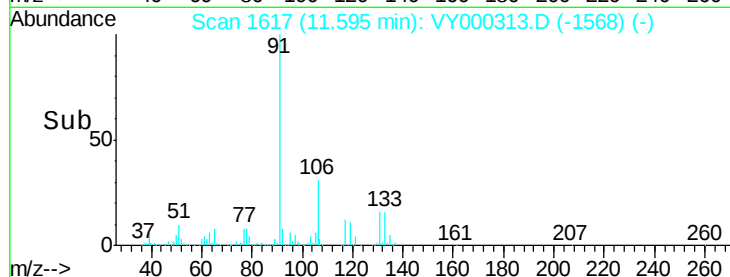
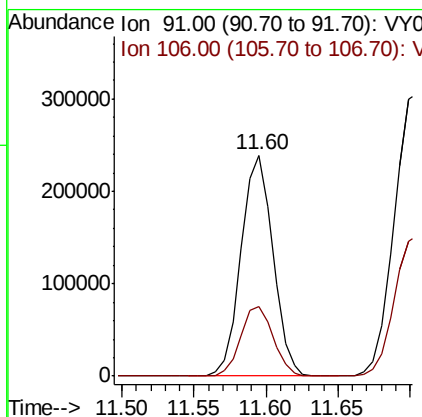
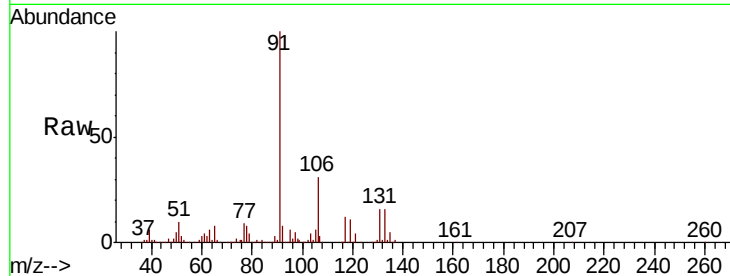
#67
Ethyl Benzene
Concen: 19.712 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion: 91 Resp: 367464
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

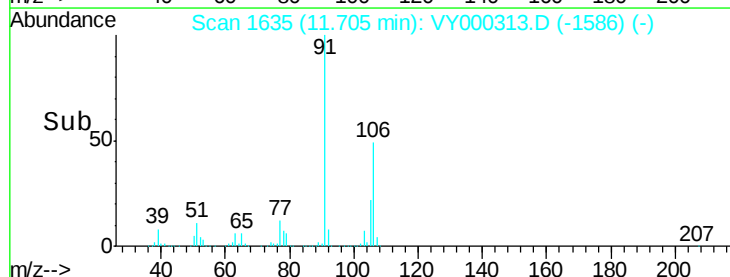
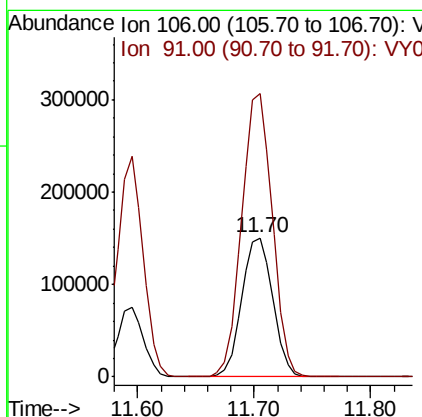
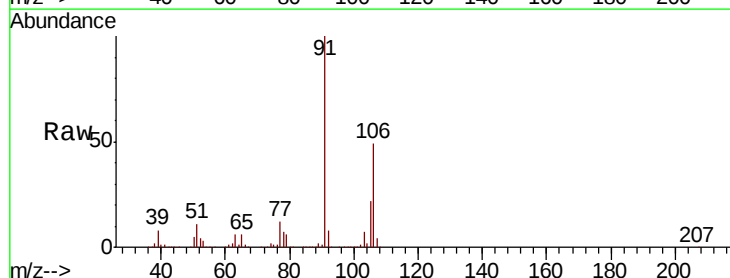
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#68
m/p-Xylenes
Concen: 39.123 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 106 Resp: 278800
Ion Ratio Lower Upper
106 100
91 202.3 157.5 236.3





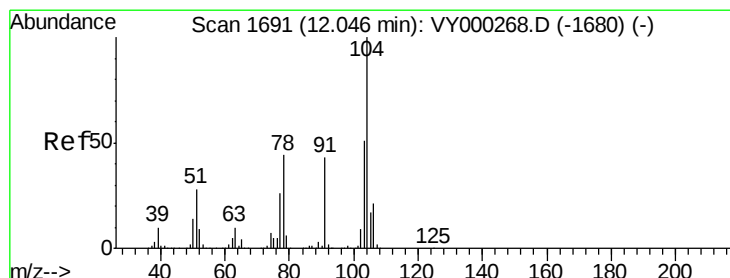
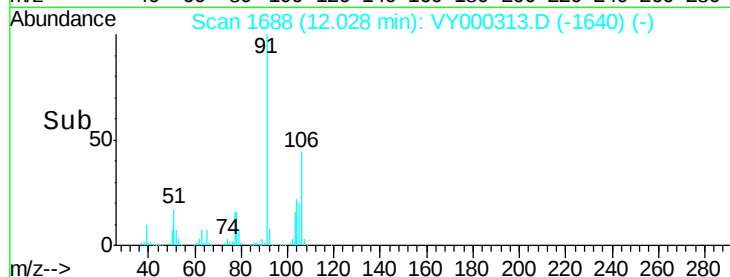
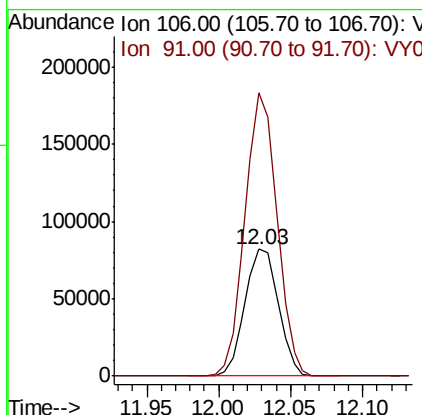
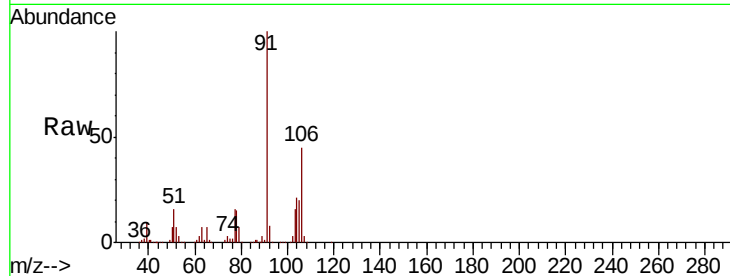
#69
o-Xylene
Concen: 19.499 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.6	104.7	313.9	

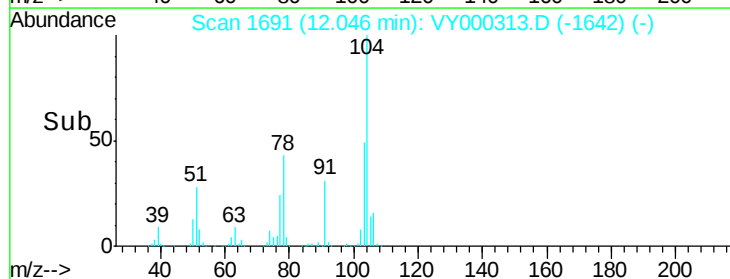
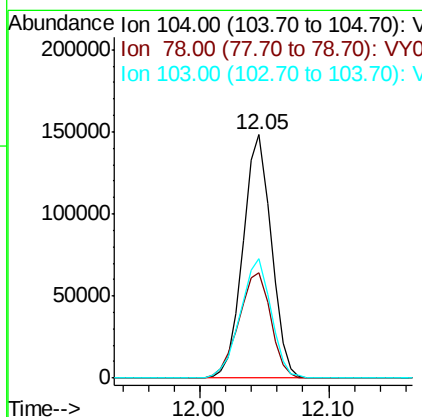
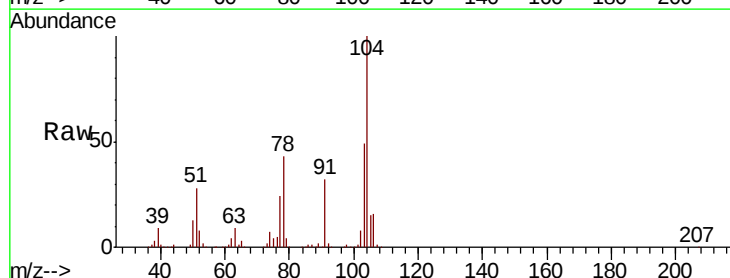
Manual Integrations
APPROVED

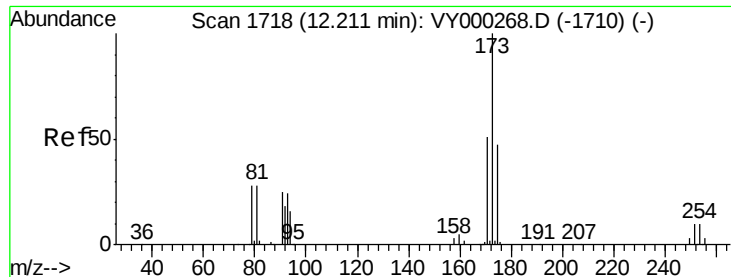
MMDadoda
10/18/2019 12:40:20 AM



#70
Styrene
Concen: 19.620 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.1	39.0	58.6	
103	53.4	43.1	64.7	





#71

Bromoform

Concen: 19.423 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion:173 Resp: 39442

Ion Ratio Lower Upper

173 100

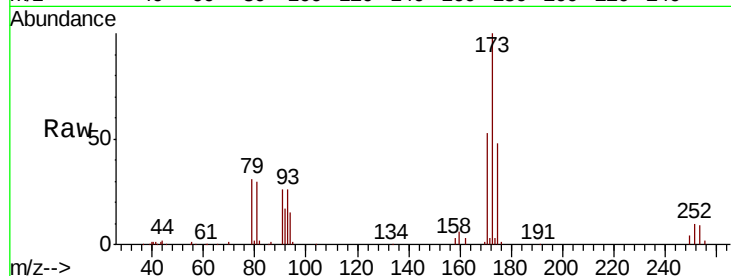
175 48.1 24.6 73.6

254 0.1 0.1 0.1

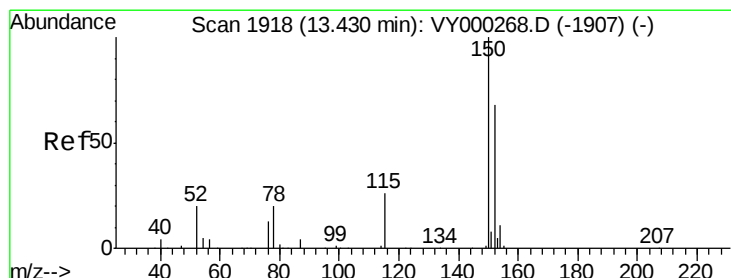
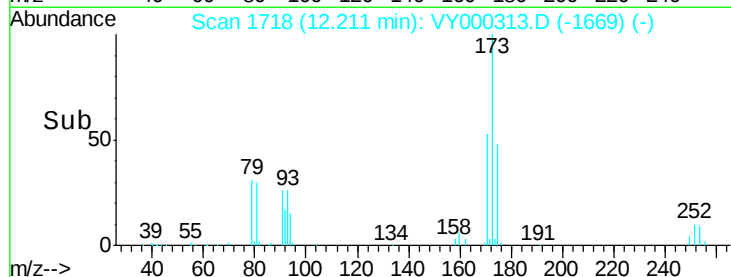
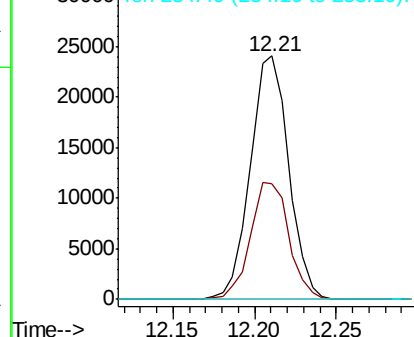
Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:40:20 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

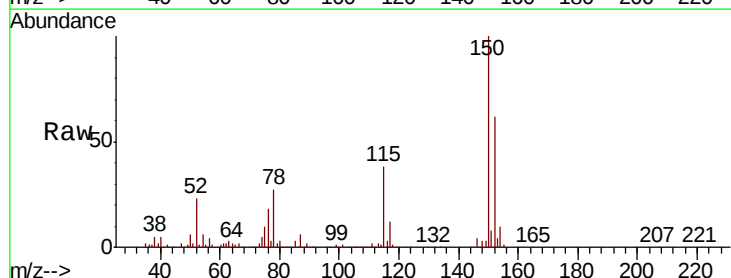
Tgt Ion:152 Resp: 227520

Ion Ratio Lower Upper

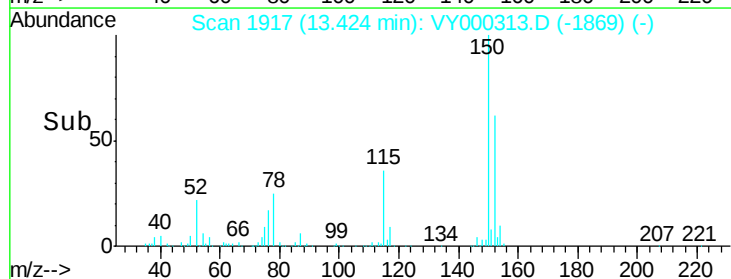
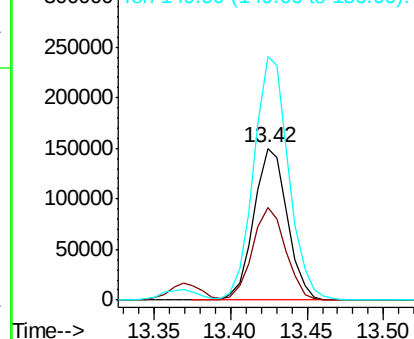
152 100

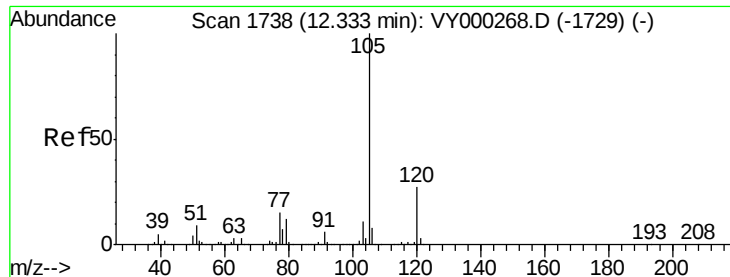
115 60.7 29.3 88.0

150 167.8 0.0 348.4



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





#73

Isopropylbenzene

Concen: 20.187 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 105 Resp: 358128

Ion Ratio Lower Upper

105 100

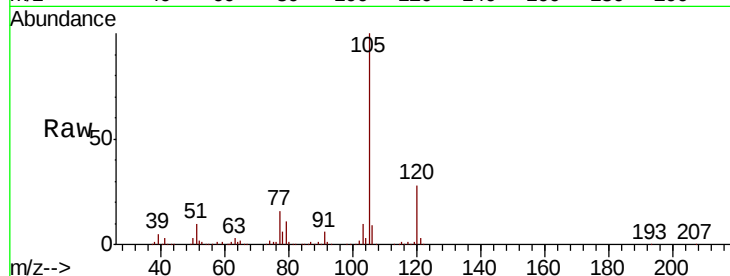
120 26.6 13.4 40.2

Manual Integrations

APPROVED

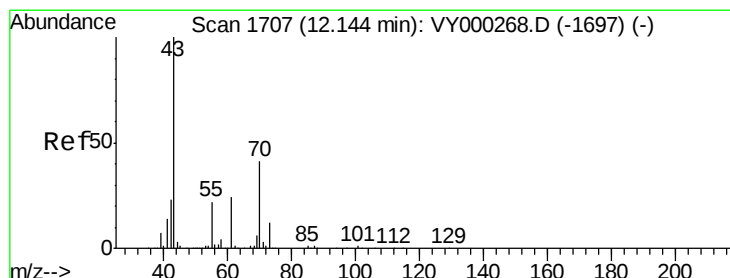
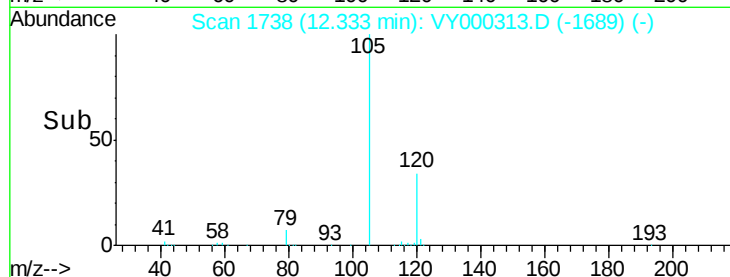
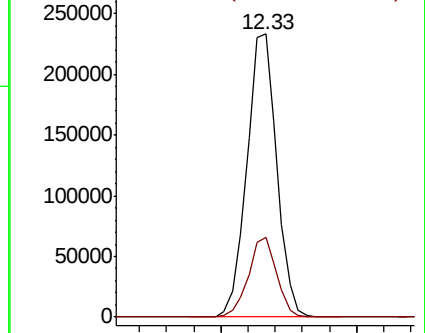
MMDadoda

10/18/2019 12:40:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.557 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion: 43 Resp: 98241

Ion Ratio Lower Upper

43 100

70 43.5 32.9 49.3

55 22.3 17.8 26.6

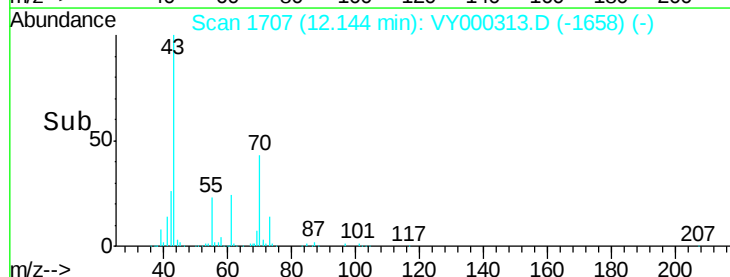
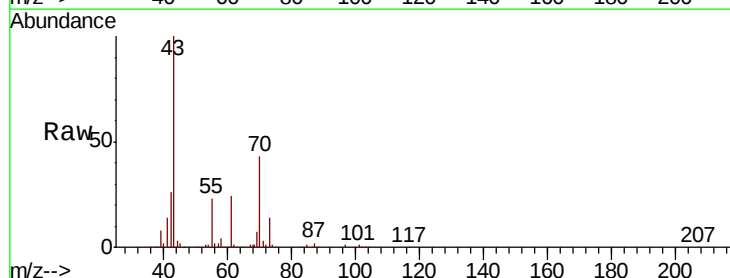
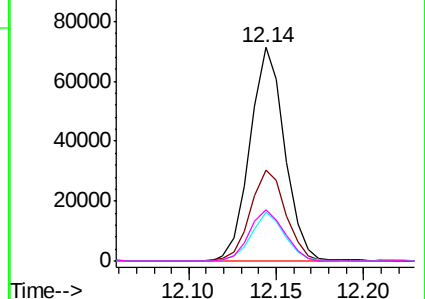
61 24.4 19.5 29.3

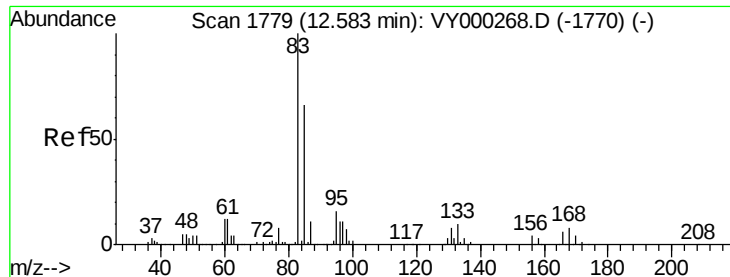
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

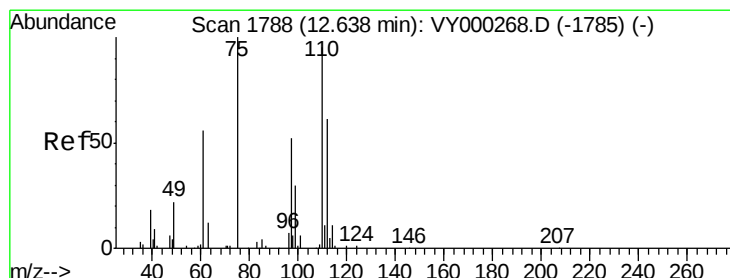
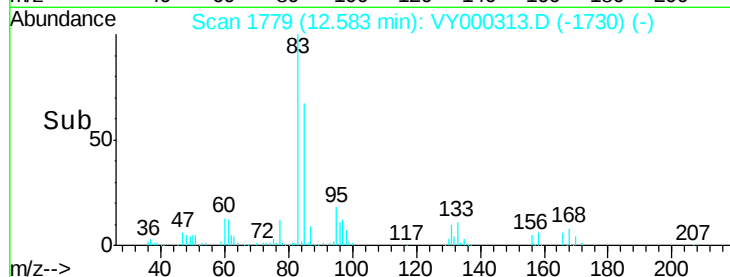
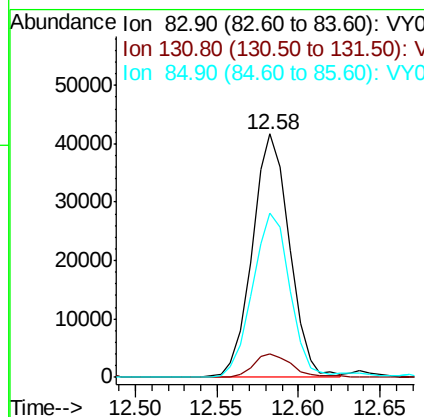
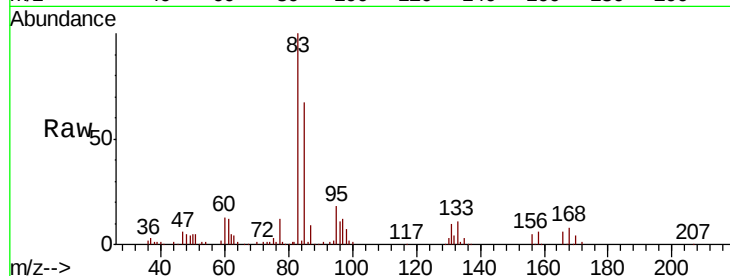
ClientSampleId :

VY1015SBS01

Tot Ion:	83	Resp:	66040
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	16.1
85	67.5	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#76

1,2,3-Trichloropropane

Concen: 20.076 ug/l m

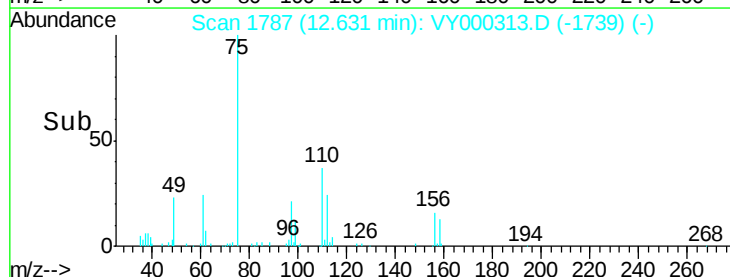
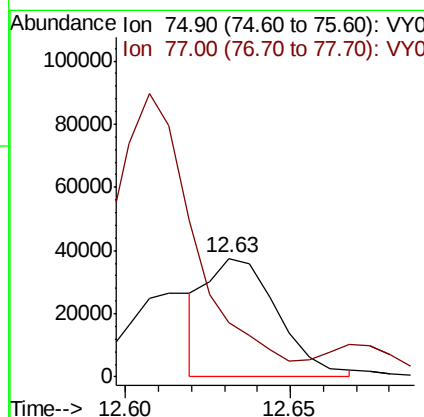
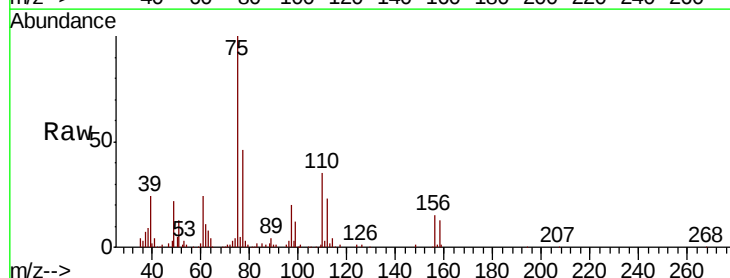
RT: 12.63 min Scan# 1787

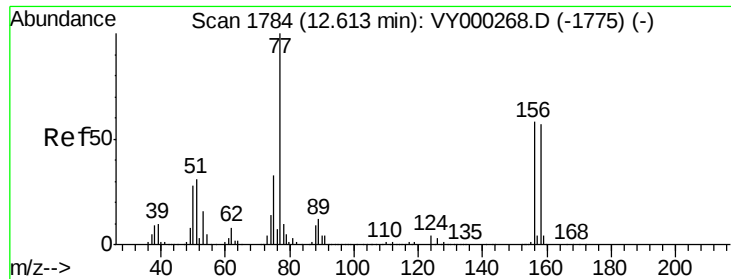
Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:	75	Resp:	56166
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.212 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion:156 Resp: 79792

Ion Ratio Lower Upper

156 100

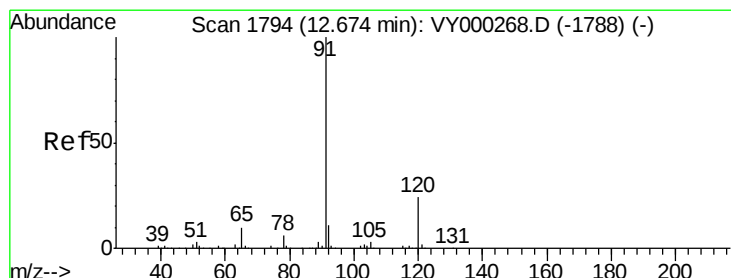
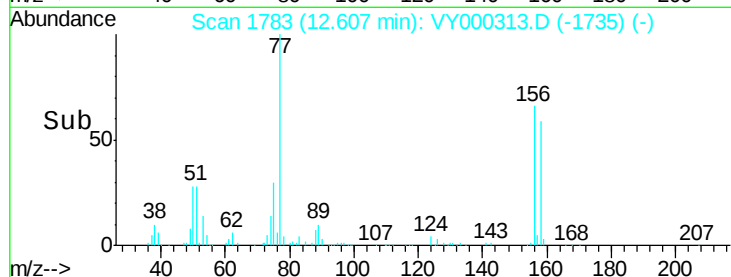
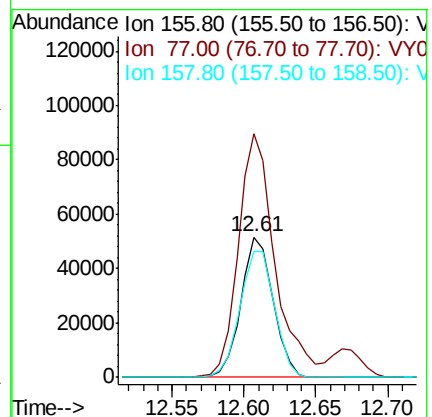
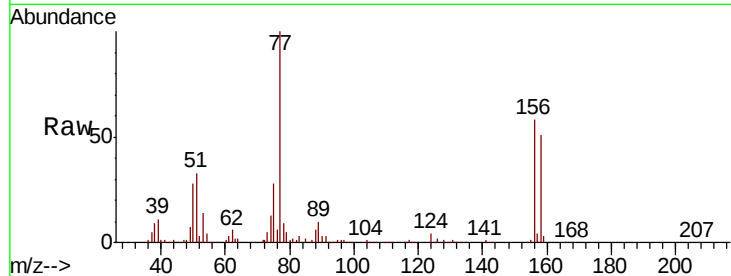
77 197.6 101.0 302.9

158 97.3 49.7 149.1

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:40:20 AM



#78

n-propylbenzene

Concen: 20.309 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000313.D

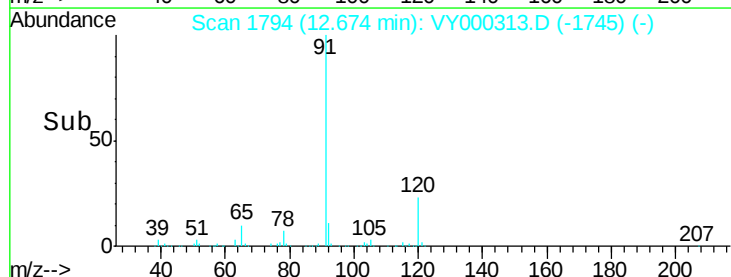
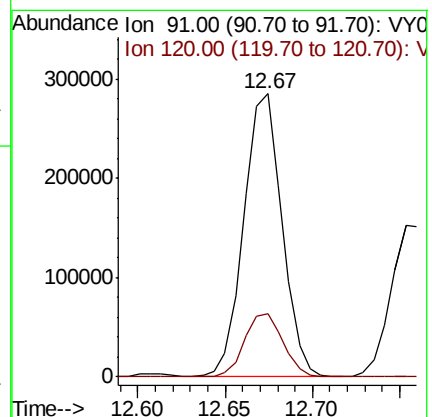
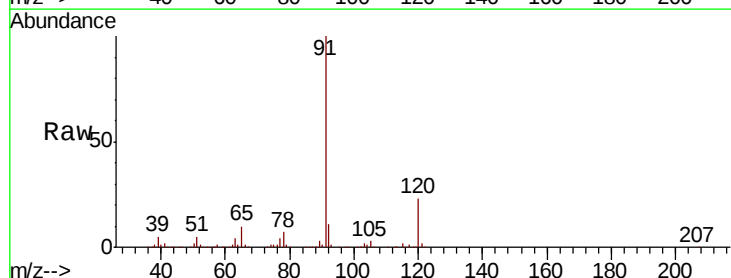
Acq: 15 Oct 2019 12:32

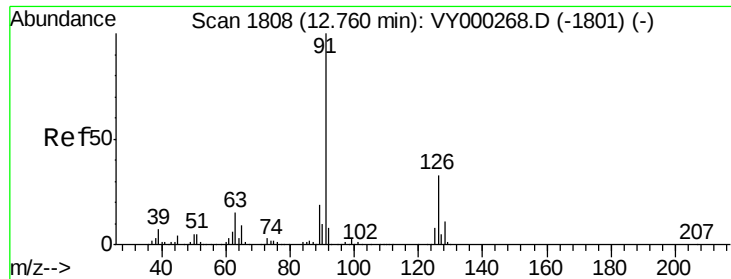
Tgt Ion: 91 Resp: 432594

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.5





#79

2-Chlorotoluene

Concen: 20.547 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 91 Resp: 241697

Ion Ratio Lower Upper

91 100

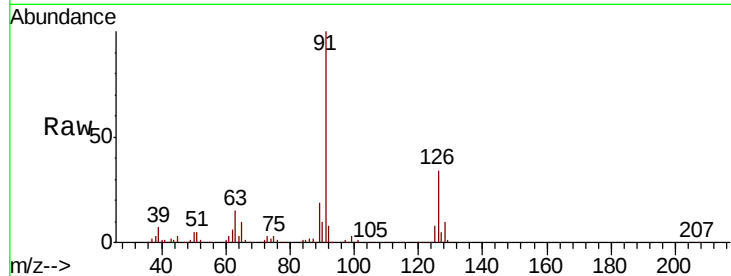
126 33.1 17.1 51.3

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:40:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000313.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY000313.D (-1759) (-)

200000

150000

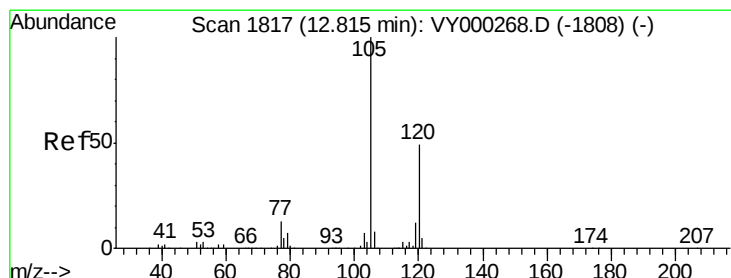
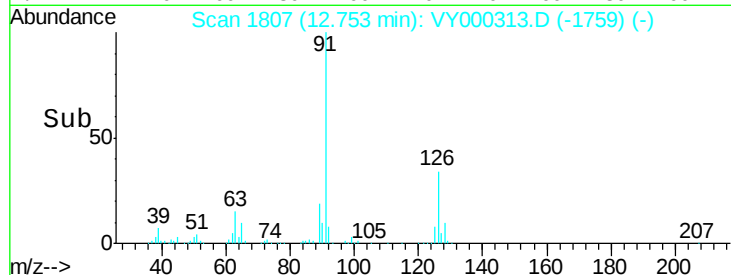
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.256 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000313.D

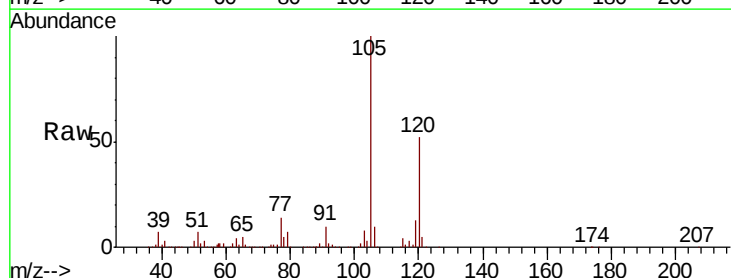
Acq: 15 Oct 2019 12:32

Tgt Ion: 105 Resp: 301328

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000313.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000313.D (-1768) (-)

200000

150000

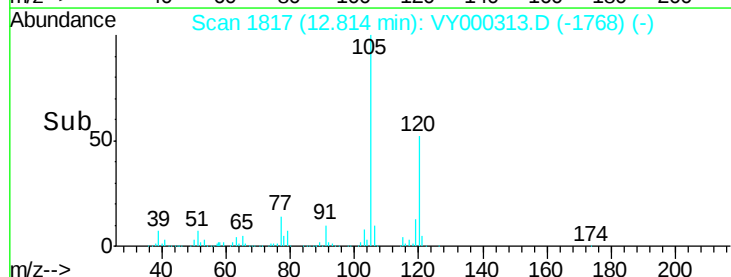
100000

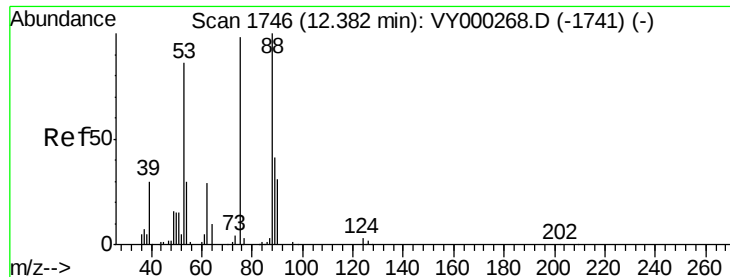
50000

0

12.75 12.80 12.85 12.90

Time-->





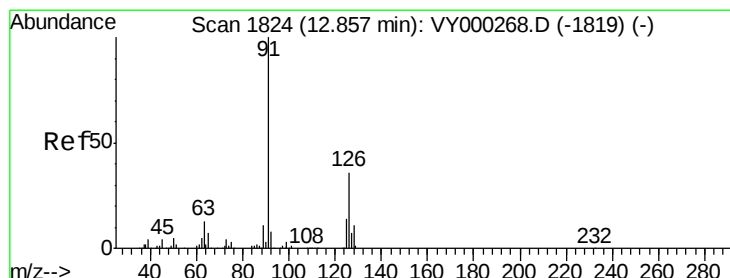
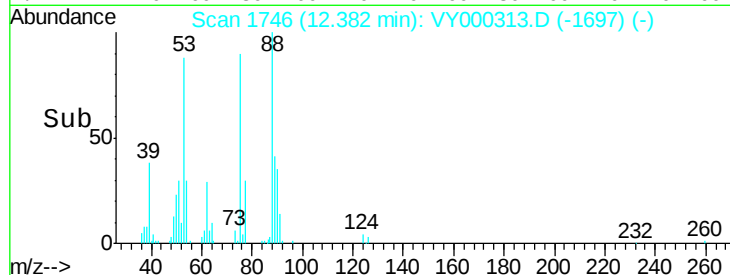
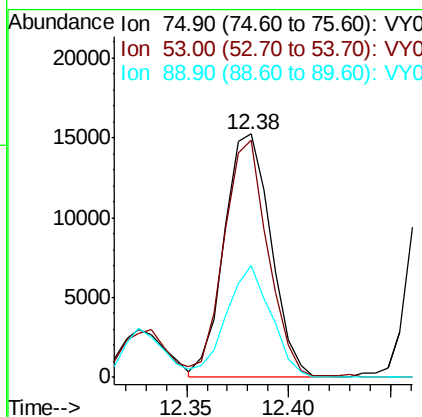
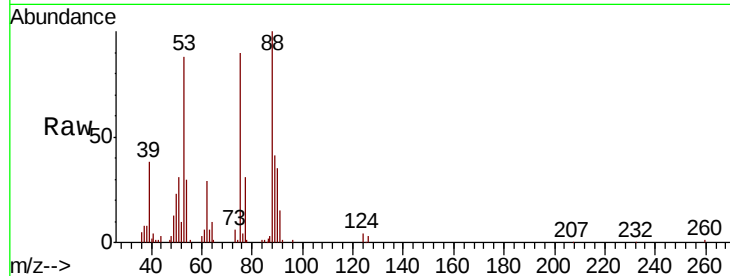
#81
trans-1,4-Dichloro-2-butene
Concen: 18.912 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	71.3	106.9
89	43.8	35.1	52.7

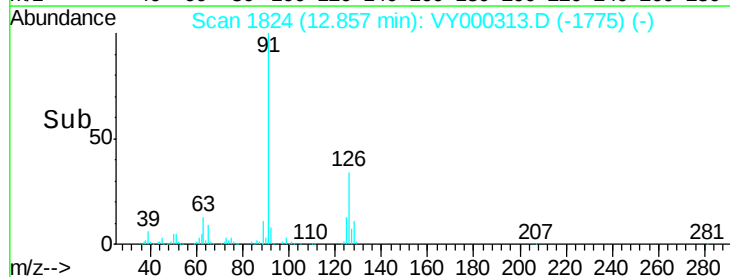
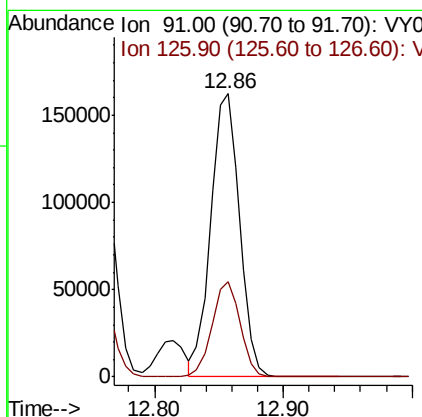
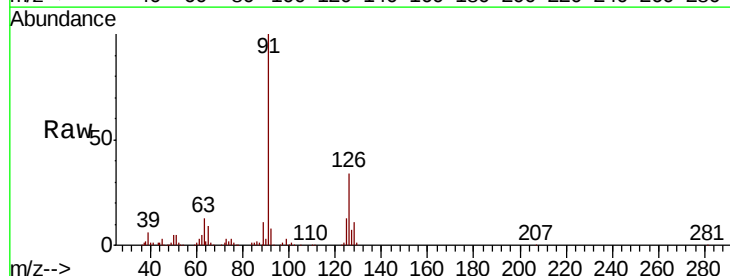
Manual Integrations
APPROVED

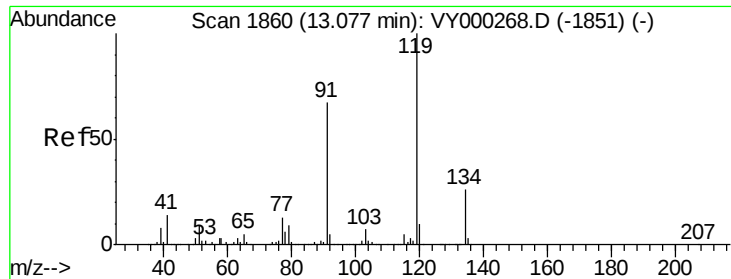
MMDadoda
10/18/2019 12:40:20 AM



#82
4-Chlorotoluene
Concen: 20.543 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.2	51.5





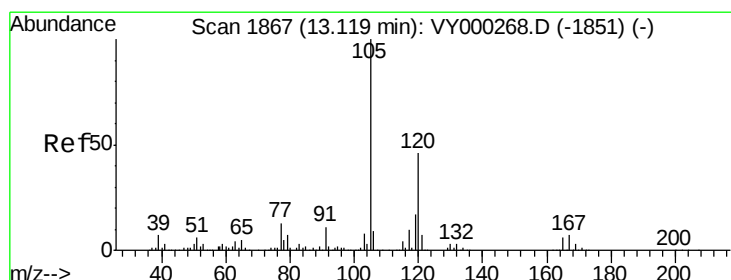
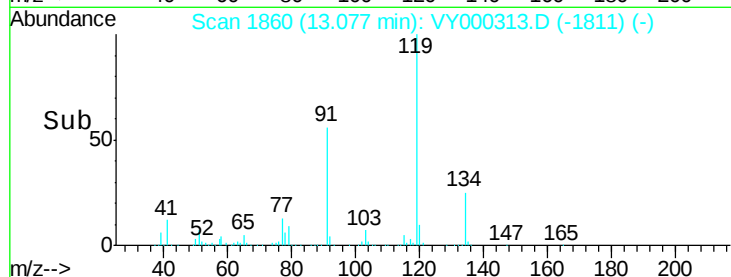
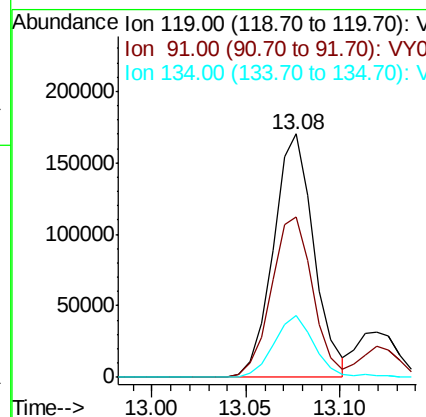
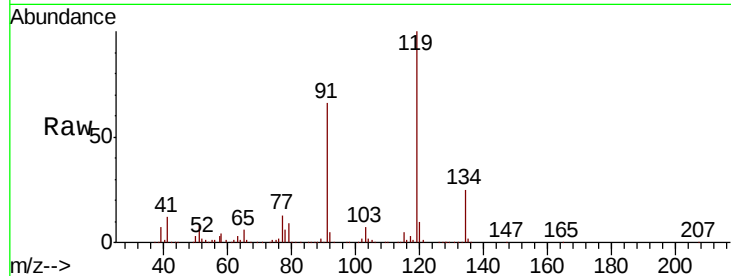
#83
 tert-Butylbenzene
 Concen: 20.131 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.9	98.7
134	25.8	13.3	39.8

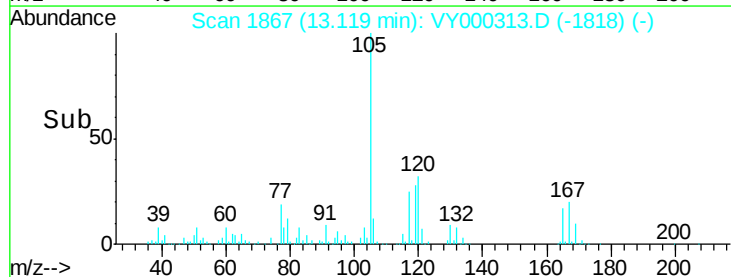
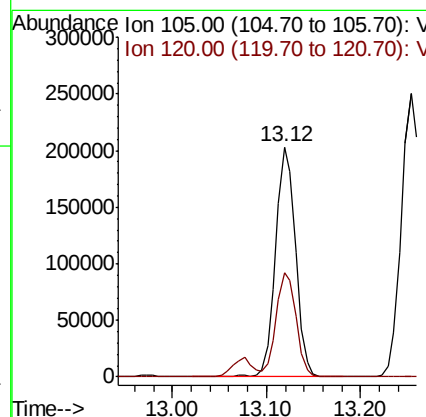
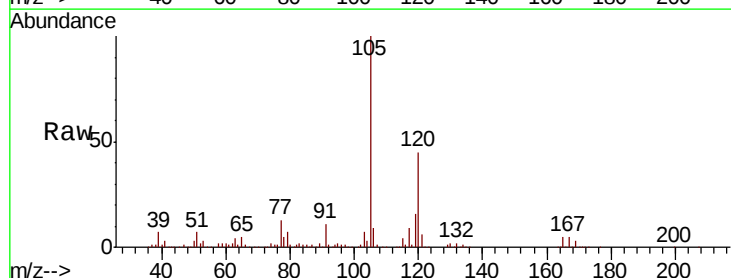
Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.523 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.8





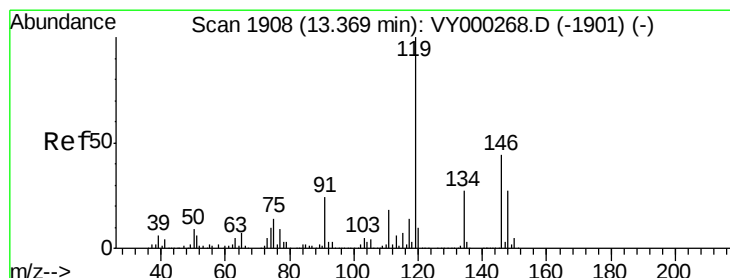
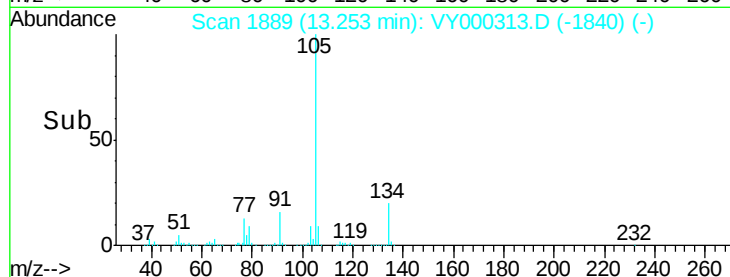
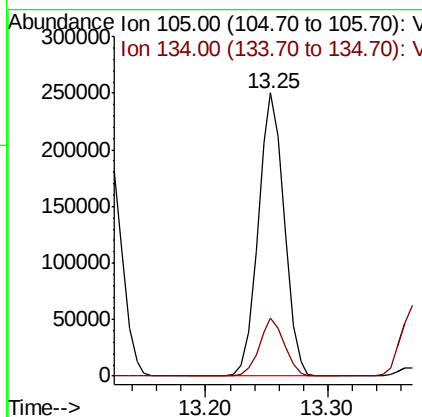
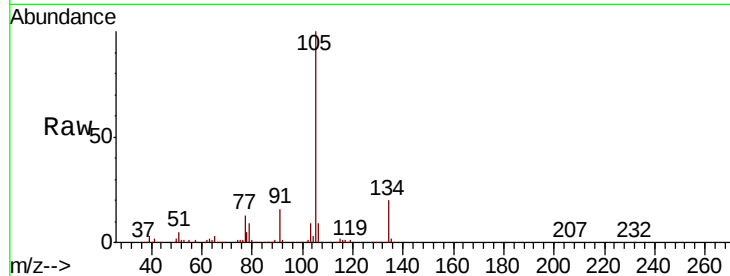
#85
 sec-Butylbenzene
 Concen: 20.339 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.1	30.1

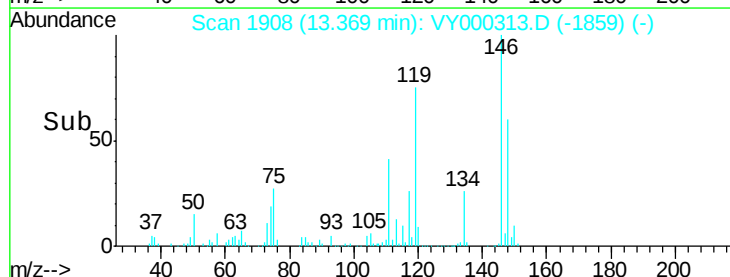
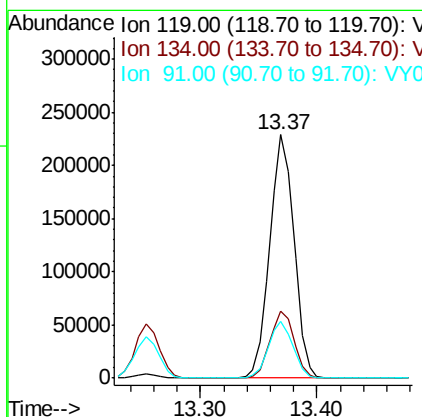
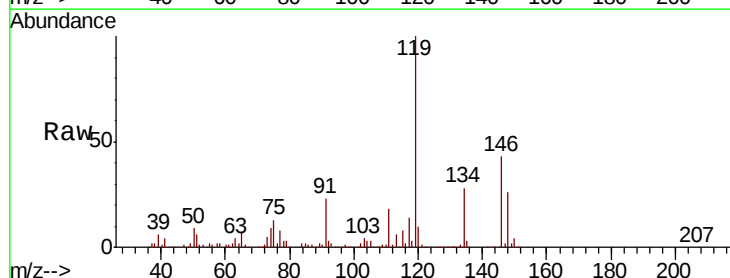
Manual Integrations
 APPROVED

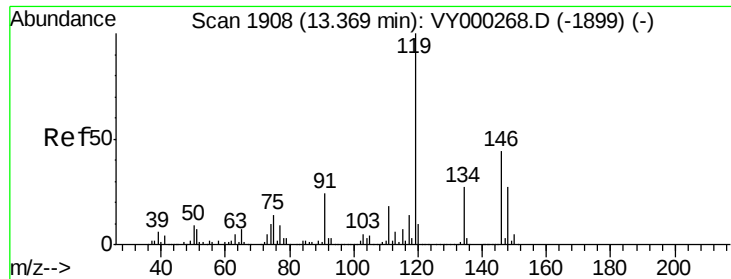
MMDadoda
 10/18/2019 12:40:20 AM



#86
 p-Isopropyltoluene
 Concen: 20.685 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.8
91	23.5	12.0	36.1





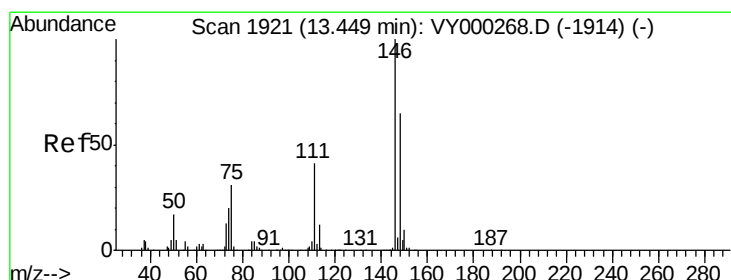
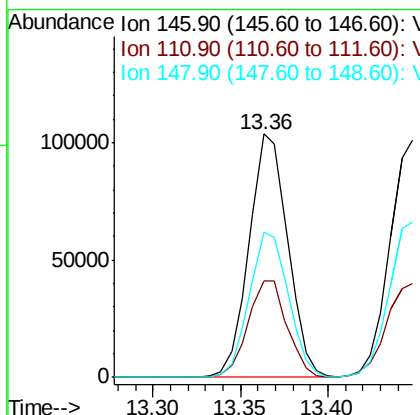
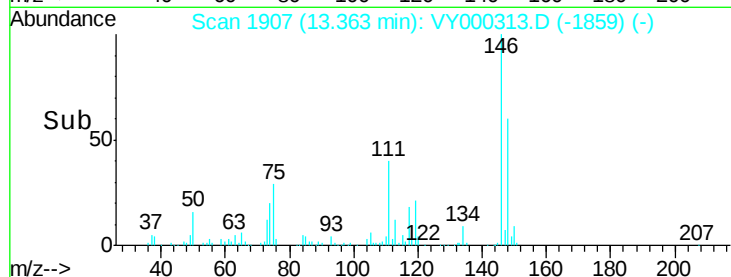
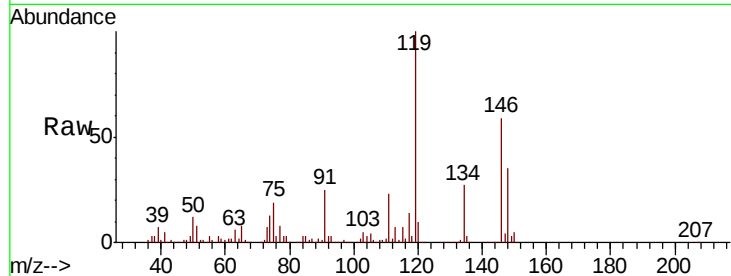
#87
 1,3-Dichlorobenzene
 Concen: 20.481 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159302		
111	40.2	20.6	61.8	
148	60.9	31.9	95.5	

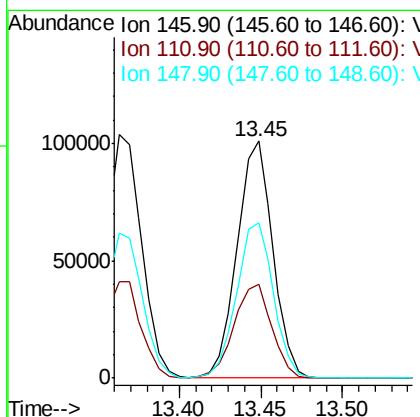
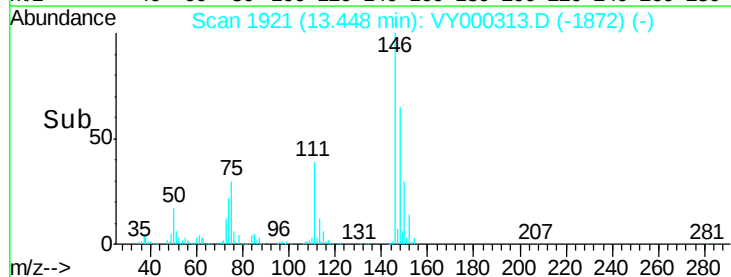
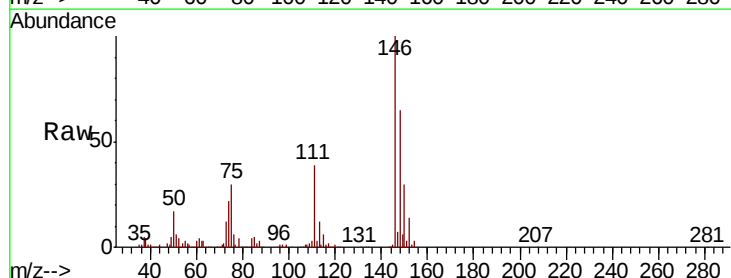
Manual Integrations
 APPROVED

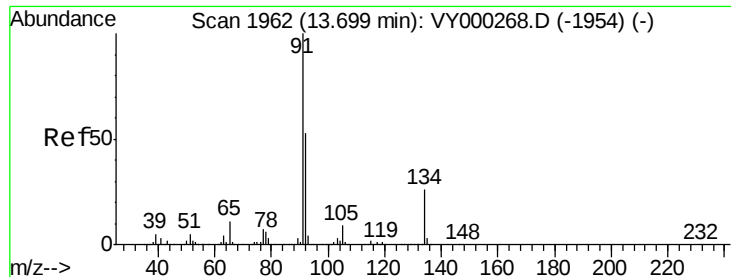
MMDadoda
 10/18/2019 12:40:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.813 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154034		
111	42.1	20.1	60.2	
148	67.5	32.4	97.2	





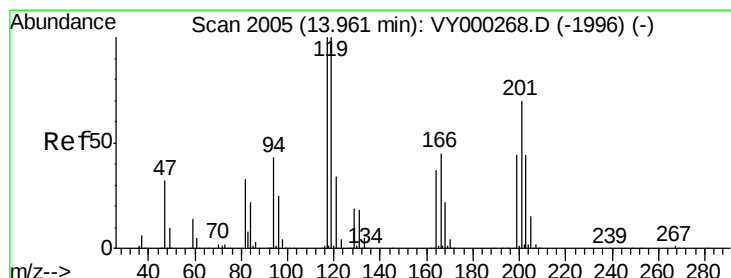
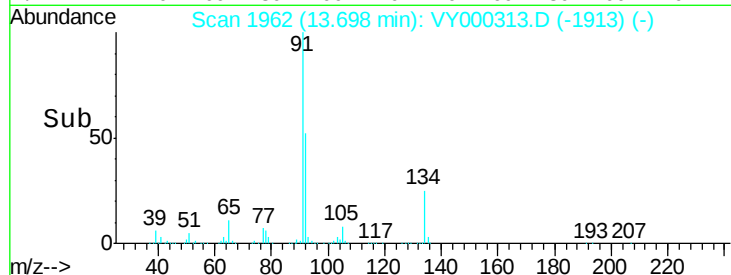
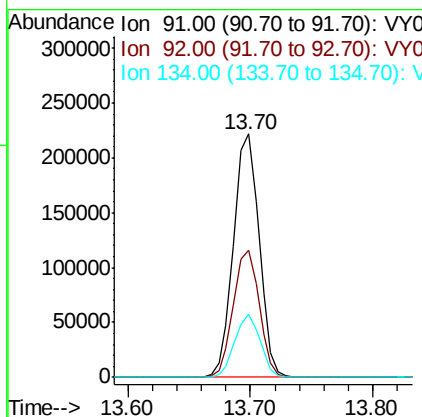
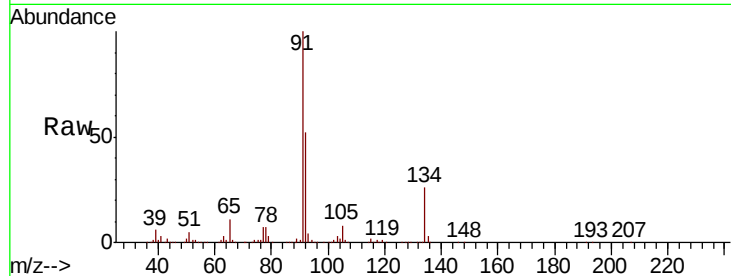
#89
n-Butylbenzene
Concen: 20.450 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.1
134	25.6	13.0	38.9

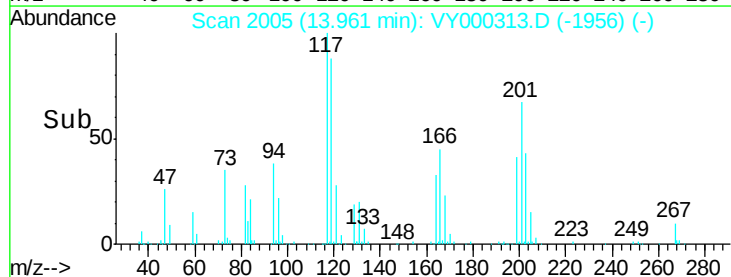
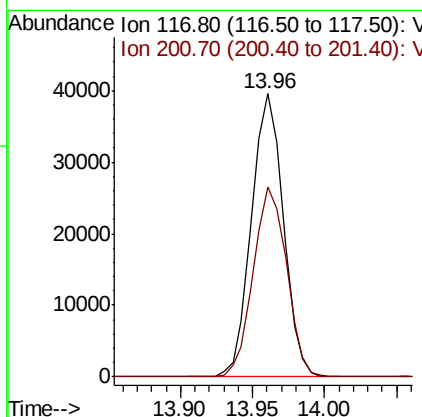
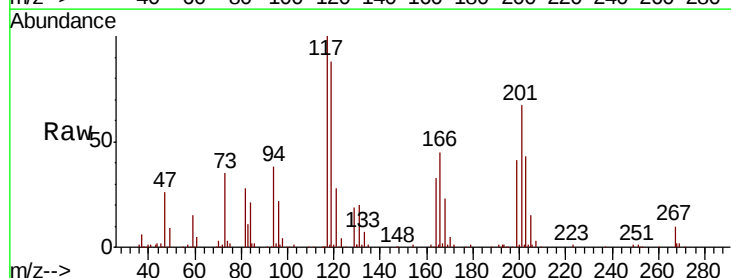
Manual Integrations
APPROVED

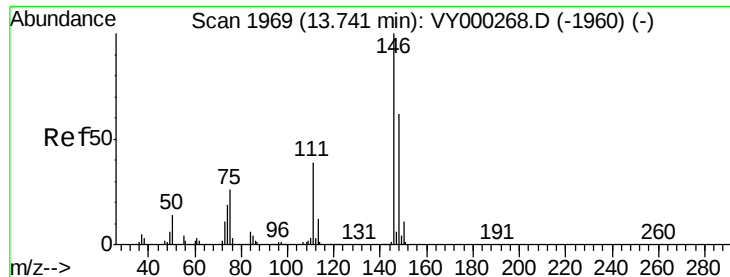
MMDadoda
10/18/2019 12:40:20 AM



#90
Hexachloroethane
Concen: 20.574 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	36.3	108.7





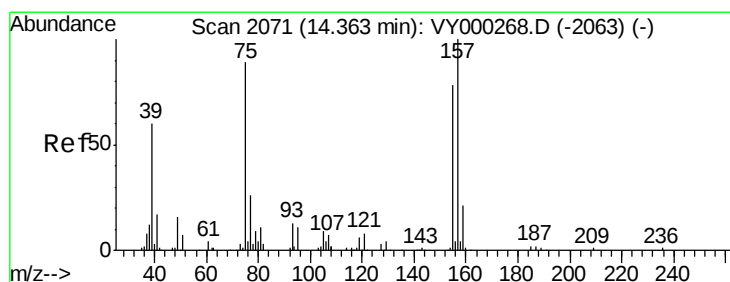
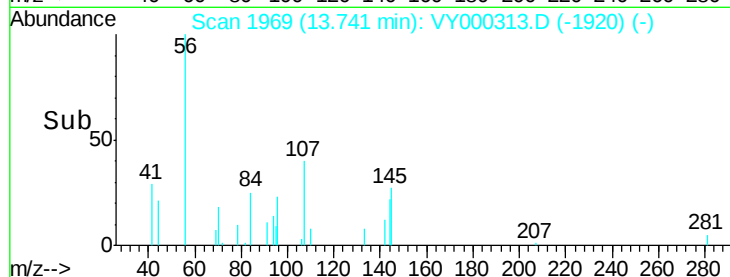
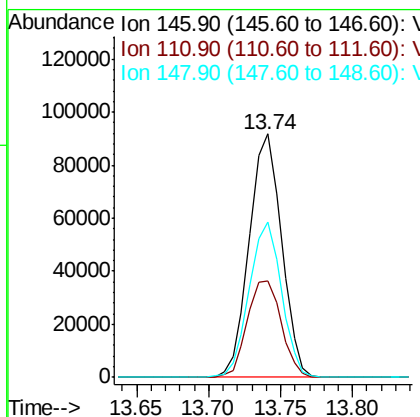
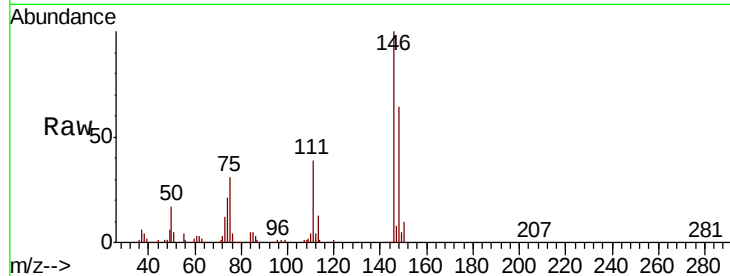
#91
 1,2-Dichlorobenzene
 Concen: 20.228 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.5
148	63.8	31.6	95.0

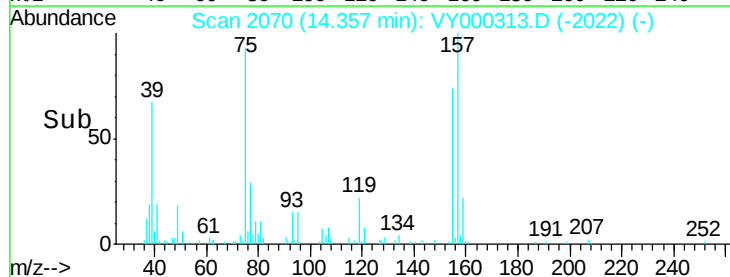
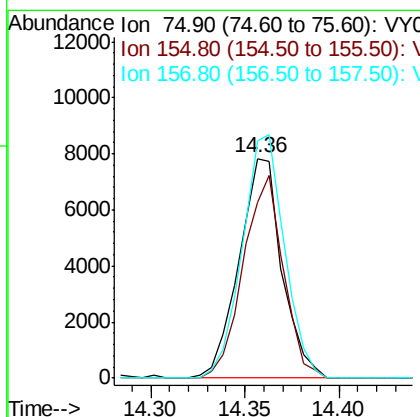
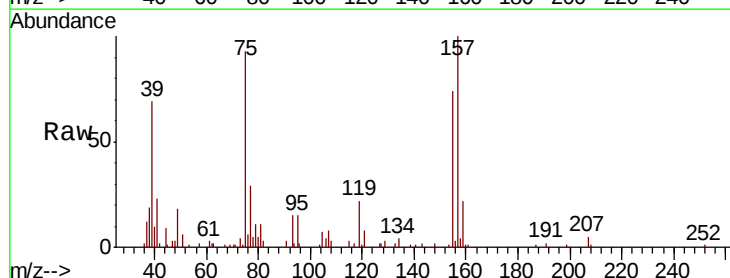
Manual Integrations
 APPROVED

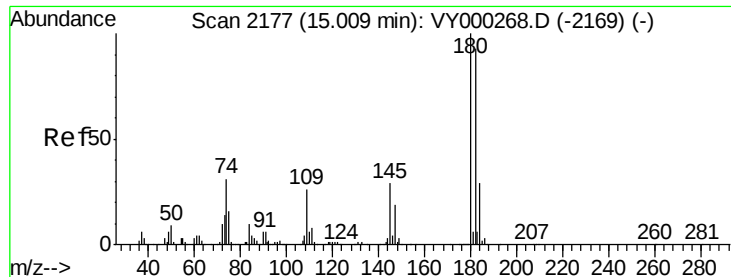
MMDadoda
 10/18/2019 12:40:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.572 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	45.8	137.3
157	108.7	55.6	166.9





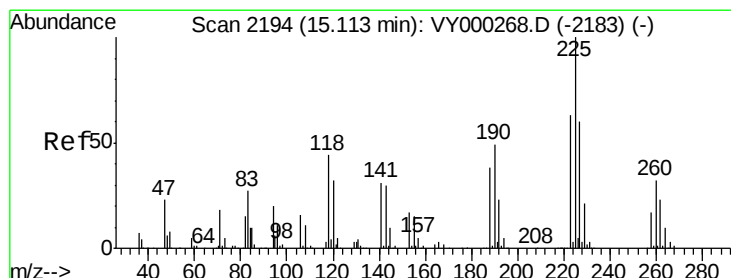
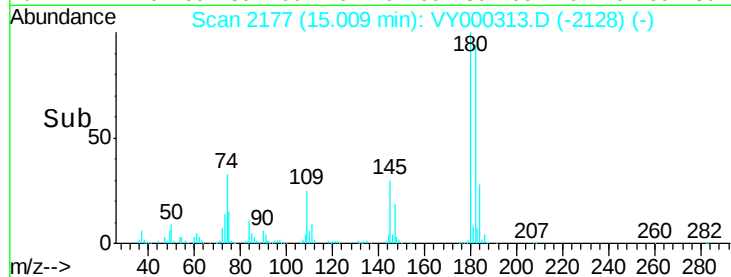
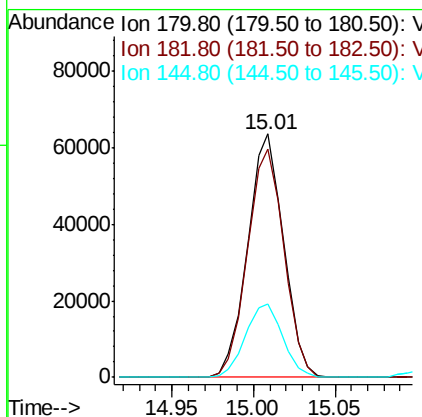
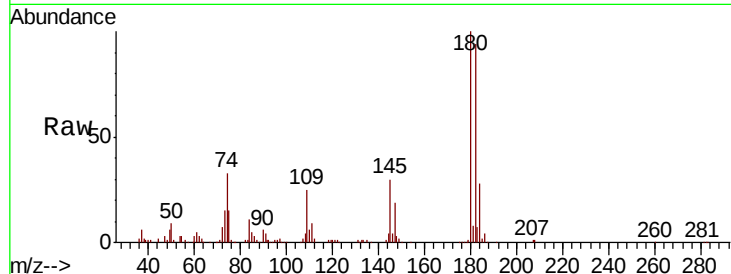
#93
 1,2,4-Trichlorobenzene
 Concen: 19.869 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	31.5	15.4	46.1

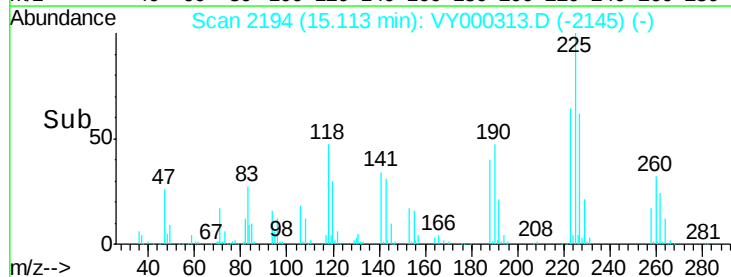
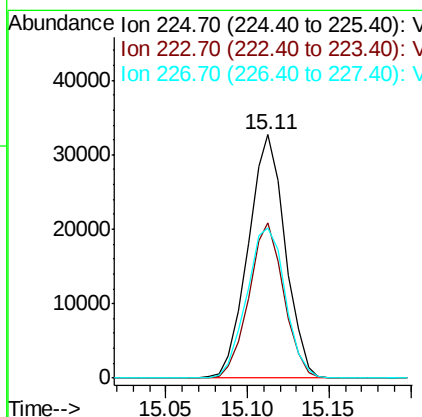
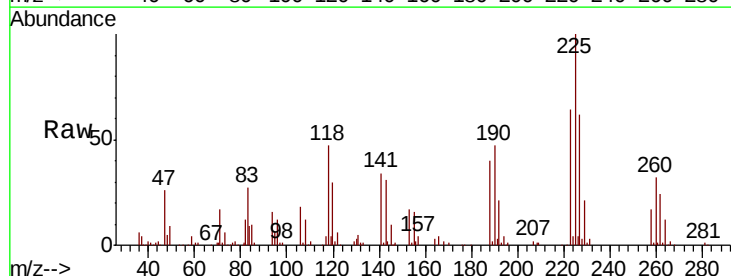
Manual Integrations
 APPROVED

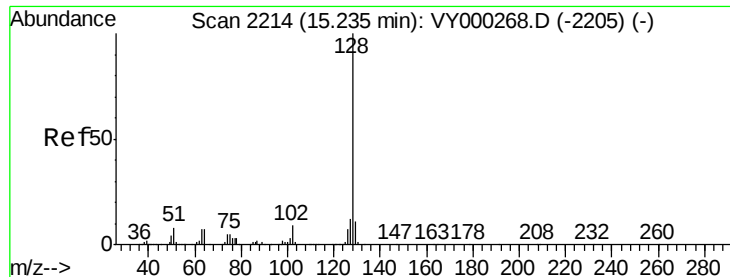
MMDadoda
 10/18/2019 12:40:20 AM



#94
 Hexachlorobutadiene
 Concen: 19.402 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.7
227	64.3	31.4	94.2





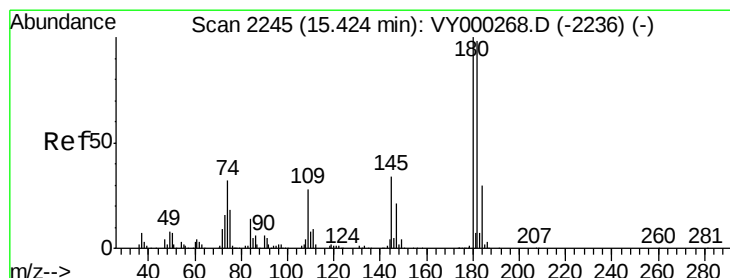
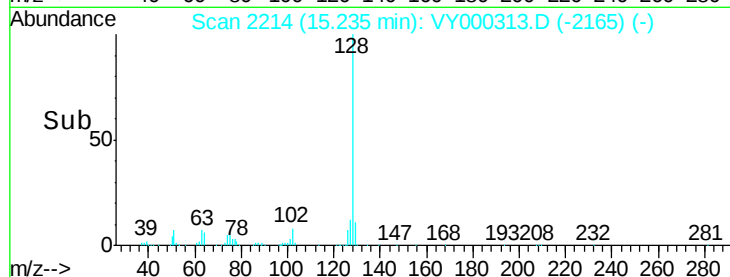
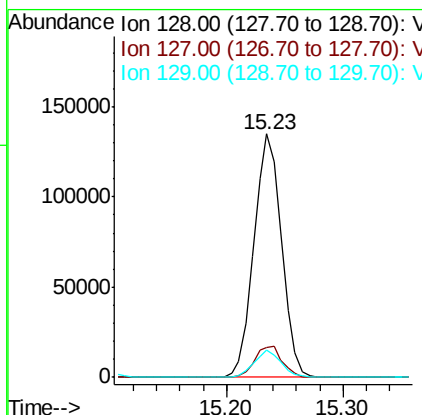
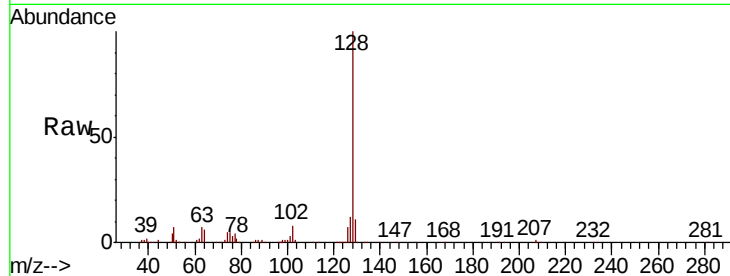
#95
Naphthalene
Concen: 20.359 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222659		
127	12.9		9.6	14.4
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.060 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88600		
182	94.3		46.5	139.5
145	32.6		16.2	48.5

