

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000293.D
 Acq On : 14 Oct 2019 12:54
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:53:09 AM

Quant Time: Oct 15 01:38:41 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	312793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	522157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	465882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223748	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	168190	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.73	113	149735	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.19	98	613832	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.49	95	223043	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	60846	22.204	ug/l	94
3) Chloromethane	2.12	50	79749	20.865	ug/l	98
4) Vinyl Chloride	2.25	62	78411	20.327	ug/l	100
5) Bromomethane	2.63	94	58019	20.295	ug/l	97
6) Chloroethane	2.79	64	48619	19.534	ug/l	95
7) Trichlorofluoromethane	3.13	101	109535	20.759	ug/l	97
8) Diethyl Ether	3.53	74	38847	20.840	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66482	20.776	ug/l	97
10) Methyl Iodide	4.09	142	75814	17.425	ug/l	99
11) Tert butyl alcohol	4.97	59	30799	89.197	ug/l	98
12) 1,1-Dichloroethene	3.87	96	63712	20.168	ug/l	97
13) Acrolein	3.74	56	38612	95.381	ug/l	99
14) Allyl chloride	4.49	41	105140	20.083	ug/l	98
15) Acrylonitrile	5.17	53	101372	97.160	ug/l	96
16) Acetone	3.96	43	89519	83.779	ug/l	96
17) Carbon Disulfide	4.19	76	200575	20.165	ug/l	98
18) Methyl Acetate	4.49	43	51126	19.258	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	182663	20.771	ug/l	98
20) Methylene Chloride	4.72	84	74529	17.127	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	72664	20.048	ug/l	90
22) Diisopropyl ether	6.13	45	226135	20.423	ug/l	97
23) Vinyl Acetate	6.07	43	716620	99.205	ug/l	100
24) 1,1-Dichloroethane	6.03	63	122613	20.287	ug/l	99
25) 2-Butanone	7.00	43	136804	90.888	ug/l	98
26) 2,2-Dichloropropane	6.99	77	108816	19.539	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	79492	20.268	ug/l	98
28) Bromochloromethane	7.35	49	47972	18.490	ug/l	100
29) Tetrahydrofuran	7.36	42	87623	96.056	ug/l	100
30) Chloroform	7.52	83	122790	20.174	ug/l	100
31) Cyclohexane	7.79	56	127788	20.244	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	107843	19.929	ug/l	100
36) 1,1-Dichloropropene	7.93	75	99833	19.528	ug/l	97
37) Ethyl Acetate	7.08	43	56802	18.765	ug/l	100
38) Carbon Tetrachloride	7.91	117	97449	19.687	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000293.D
 Acq On : 14 Oct 2019 12:54
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:53:09 AM

Quant Time: Oct 15 01:38:41 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	131453	19.646	ug/l	95
40) Benzene	8.17	78	286735	19.408	ug/l	99
41) Methacrylonitrile	7.32	41	25871m	17.955	ug/l	
42) 1,2-Dichloroethane	8.25	62	84886	20.115	ug/l	99
43) Isopropyl Acetate	8.28	43	108700	18.886	ug/l	98
44) Trichloroethene	8.94	130	78730	18.993	ug/l	96
45) 1,2-Dichloropropane	9.22	63	74216	20.470	ug/l	100
46) Dibromomethane	9.32	93	40715	20.089	ug/l	94
47) Bromodichloromethane	9.50	83	94820	19.852	ug/l	97
48) Methyl methacrylate	9.30	41	48538	19.242	ug/l	97
49) 1,4-Dioxane	9.30	88	11761	387.021	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	288045	97.029	ug/l	99
52) Toluene	10.25	92	178636	19.045	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	104064	20.329	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	117139	20.150	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	57435	19.490	ug/l	94
56) Ethyl methacrylate	10.52	69	81044	19.295	ug/l	98
57) 1,3-Dichloropropane	10.80	76	103412	20.434	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	202666	120.969	ug/l	99
59) 2-Hexanone	10.84	43	204770	98.271	ug/l	98
60) Dibromochloromethane	10.99	129	64781	19.834	ug/l	95
61) 1,2-Dibromoethane	11.09	107	54926	19.412	ug/l	99
64) Tetrachloroethene	10.72	164	86855	19.583	ug/l	97
65) Chlorobenzene	11.52	112	192227	19.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	69828	20.218	ug/l	98
67) Ethyl Benzene	11.60	91	351816	19.302	ug/l	97
68) m/p-Xylenes	11.70	106	268527	38.539	ug/l	99
69) o-Xylene	12.03	106	127951	19.249	ug/l	99
70) Styrene	12.05	104	216500	19.313	ug/l	100
71) Bromoform	12.21	173	39778	20.034	ug/l #	97
73) Isopropylbenzene	12.33	105	344313	19.735	ug/l	99
74) N-amyl acetate	12.14	43	91665	21.402	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	63419	19.361	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	55137m	20.040	ug/l	
77) Bromobenzene	12.61	156	77156	19.874	ug/l	99
78) n-propylbenzene	12.67	91	409998	19.573	ug/l	100
79) 2-Chlorotoluene	12.76	91	233067	20.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	288817	19.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	23259	18.496	ug/l	100
82) 4-Chlorotoluene	12.86	91	240311	19.652	ug/l	100
83) tert-Butylbenzene	13.08	119	246493	19.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	291115	20.162	ug/l	97
85) sec-Butylbenzene	13.25	105	358720	20.016	ug/l	99
86) p-Isopropyltoluene	13.37	119	313351	20.055	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	149890	19.596	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	153988	20.141	ug/l	98
89) n-Butylbenzene	13.70	91	305023	19.755	ug/l	99
90) Hexachloroethane	13.96	117	56403	19.495	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	140246	20.260	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12407	19.971	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
Data File : VY000293.D
Acq On : 14 Oct 2019 12:54
Operator : SY/MD
Sample : VY1014SBS01
Misc : 5.00g/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

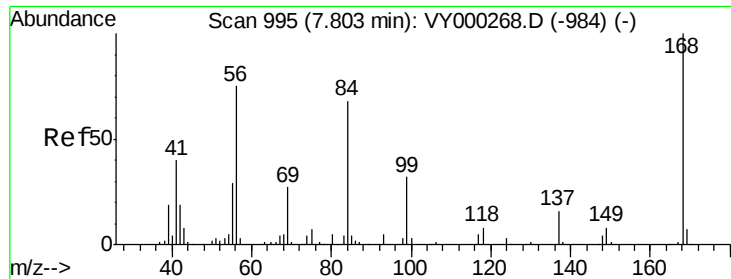
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM

Quant Time: Oct 15 01:38:41 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	98112	20.357	ug/l	99
94) Hexachlorobutadiene	15.11	225	51119	19.599	ug/l	99
95) Naphthalene	15.23	128	227153	21.120	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	88934	20.475	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: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion:168 Resp: 312793

Ion Ratio Lower Upper

168 100

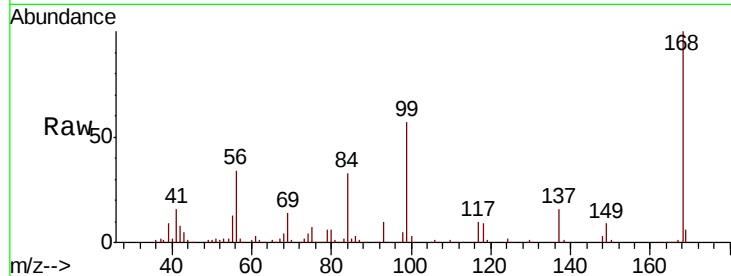
99 56.5 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:53:09 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

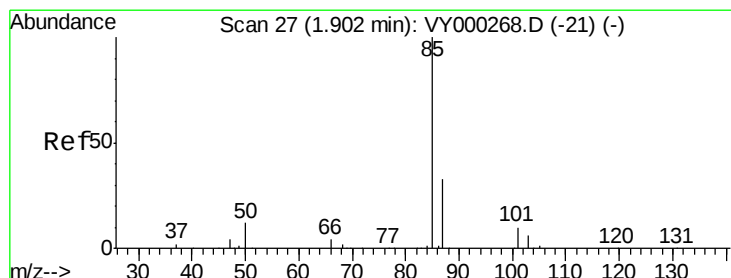
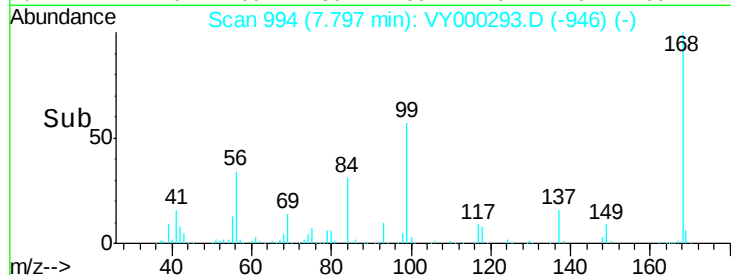
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.204 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000293.D

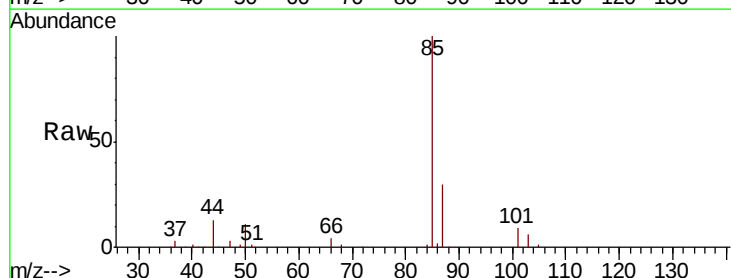
Acq: 14 Oct 2019 12:54

Tgt Ion: 85 Resp: 60846

Ion Ratio Lower Upper

85 100

87 29.6 16.6 49.8



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

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

1.90

40000

30000

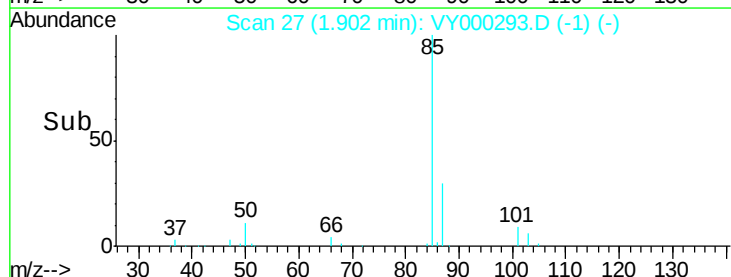
20000

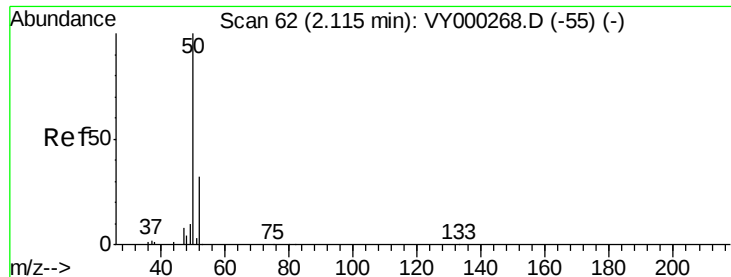
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 20.865 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 50 Resp: 79749

Ion Ratio Lower Upper

50 100

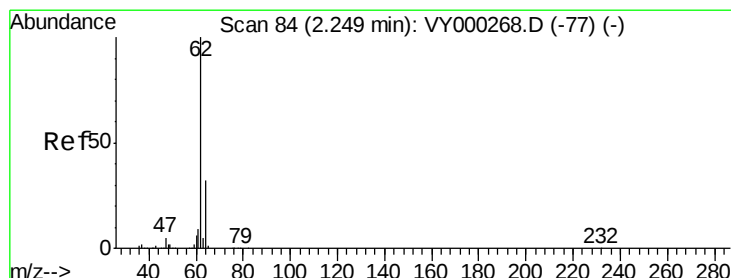
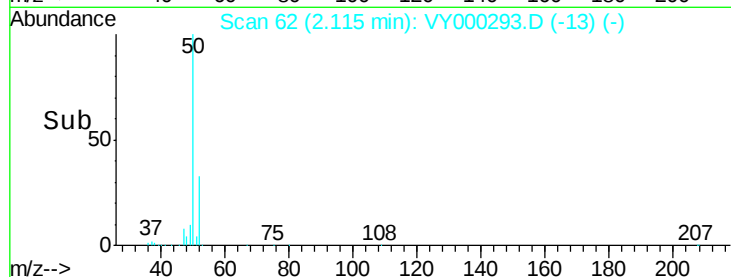
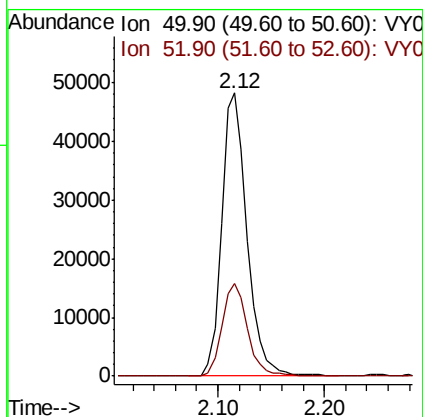
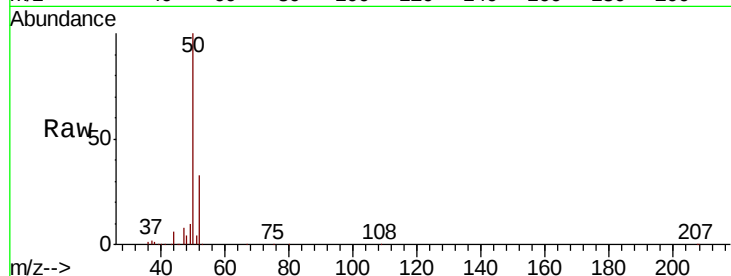
52 32.6 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:53:09 AM



#4

Vinyl Chloride

Concen: 20.327 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000293.D

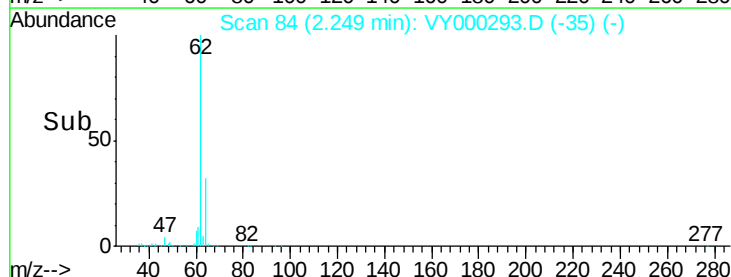
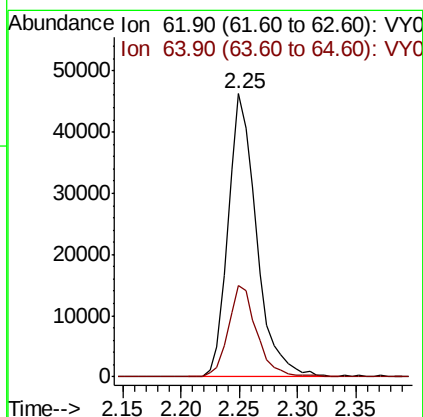
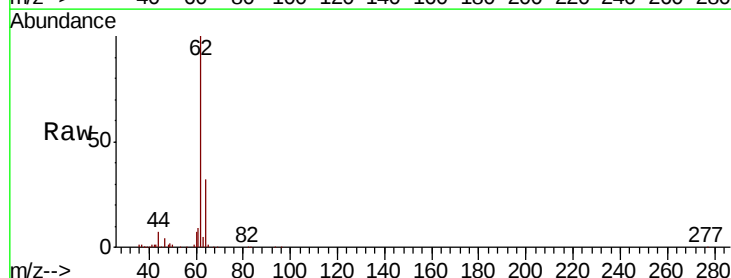
Acq: 14 Oct 2019 12:54

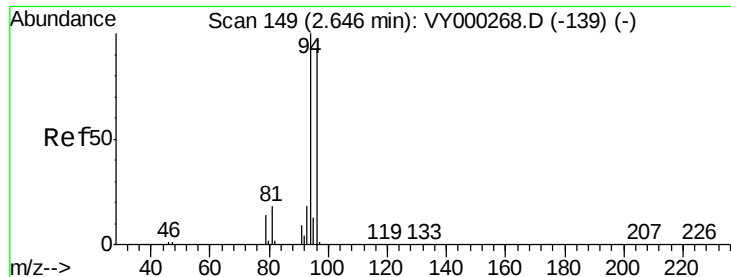
Tgt Ion: 62 Resp: 78411

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 20.295 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 94 Resp: 58019

Ion Ratio Lower Upper

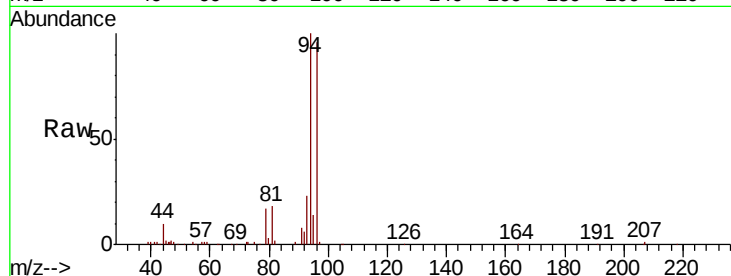
94 100

96 95.9 74.2 111.2

Manual Integrations
APPROVED

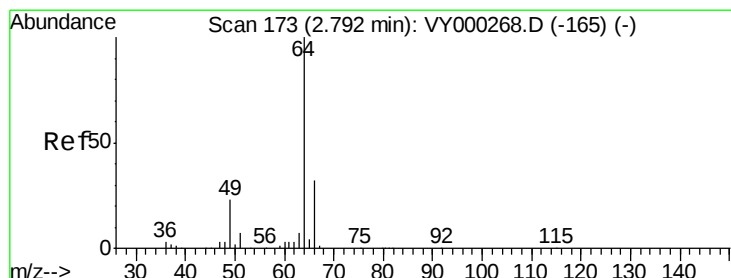
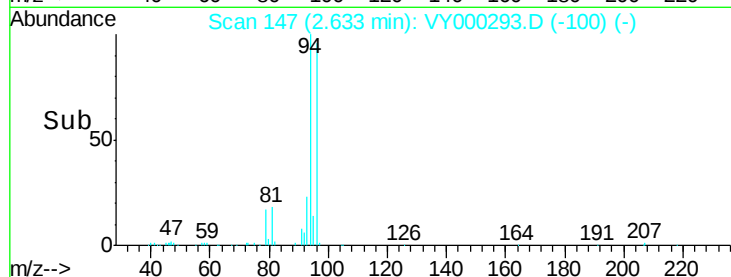
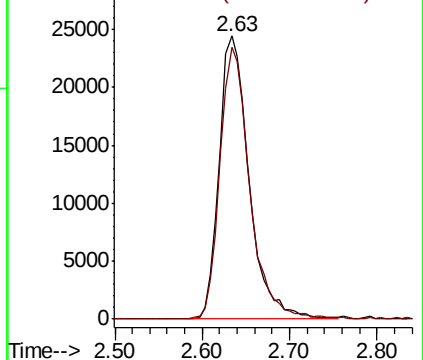
MMDadoda

10/16/2019 12:53:09 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.534 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000293.D

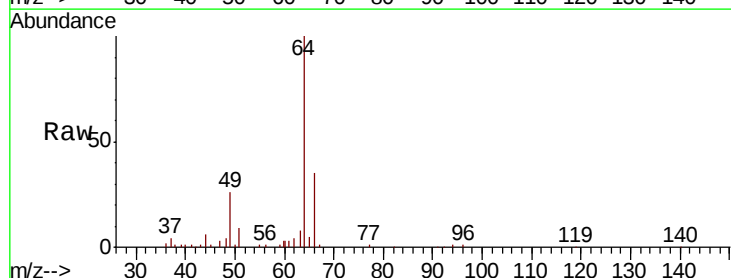
Acq: 14 Oct 2019 12:54

Tgt Ion: 64 Resp: 48619

Ion Ratio Lower Upper

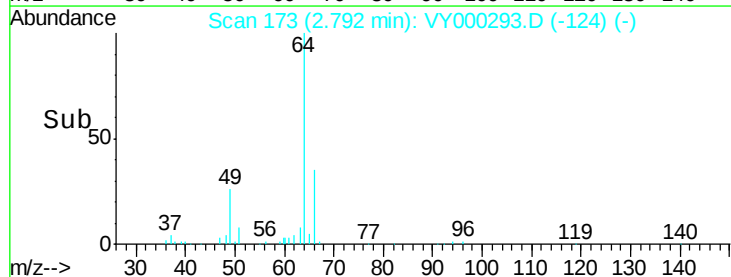
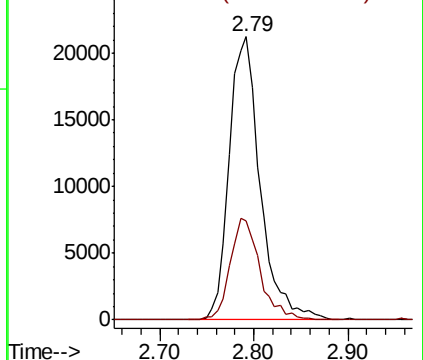
64 100

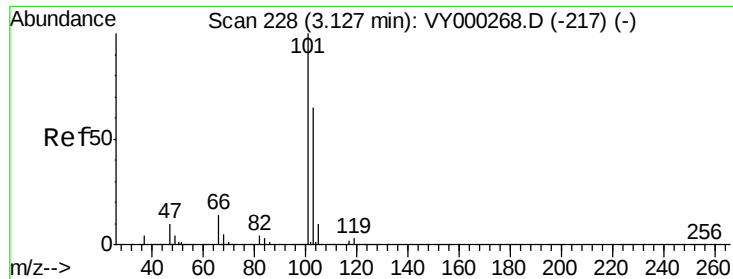
66 34.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

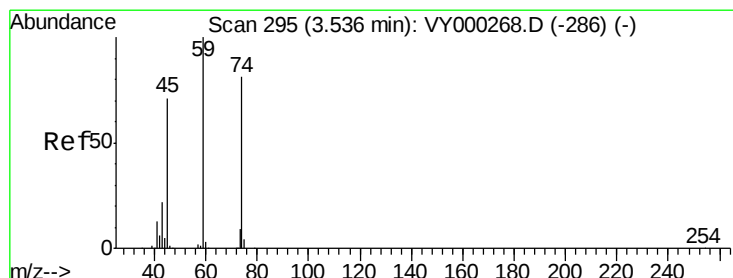
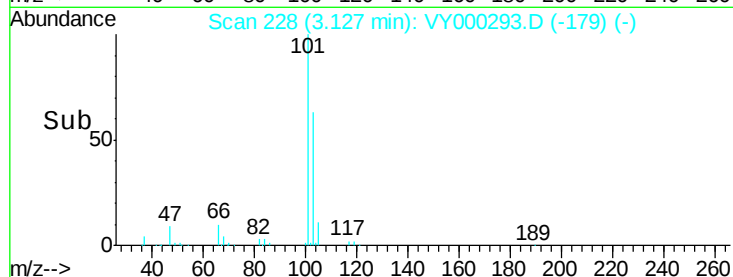
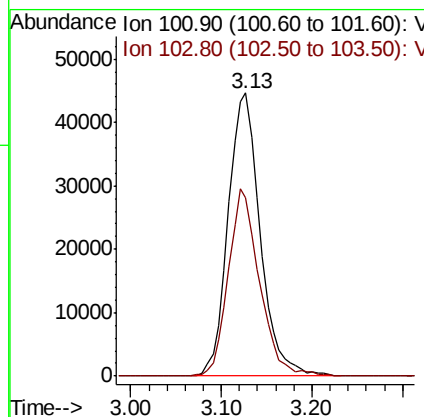
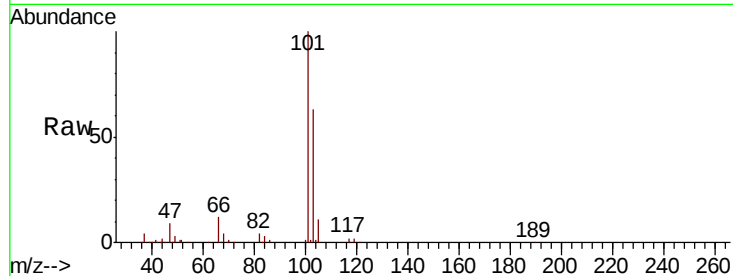
Trichlorofluoromethane
Concen: 20.759 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.4

Manual Integrations
APPROVED

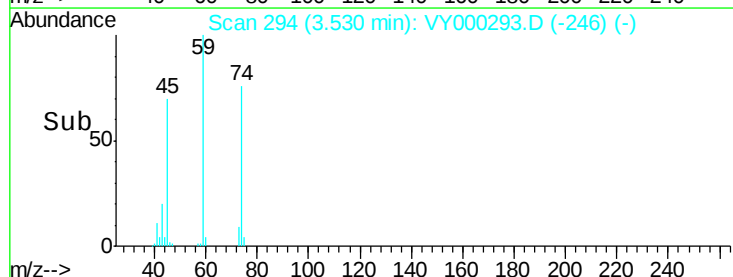
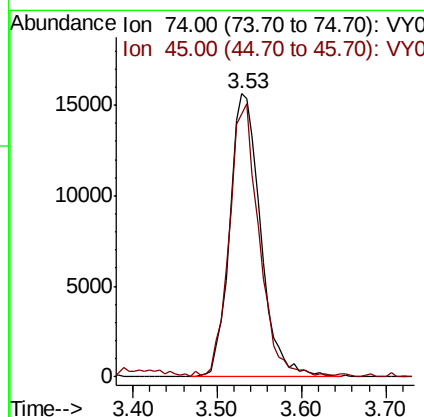
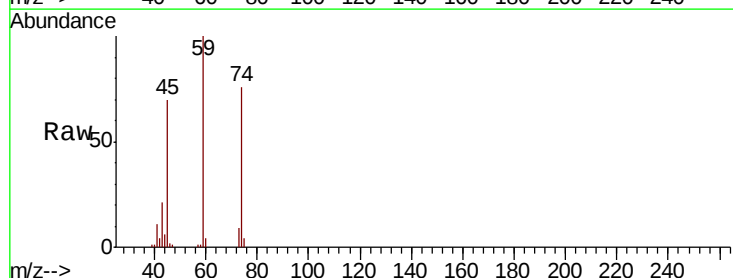
MMDadoda
10/16/2019 12:53:09 AM

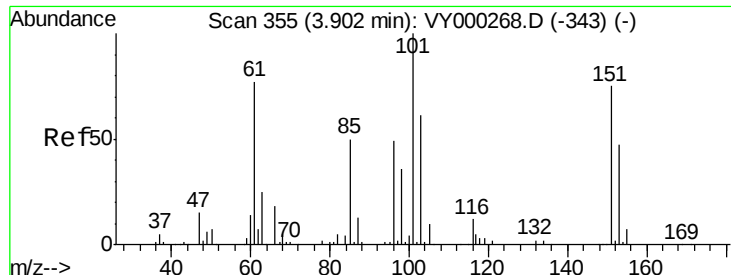


#8

Diethyl Ether
Concen: 20.840 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.776 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

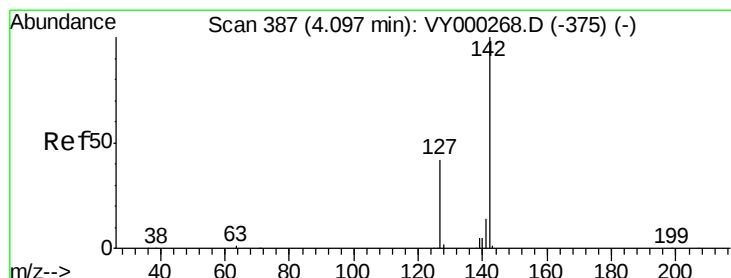
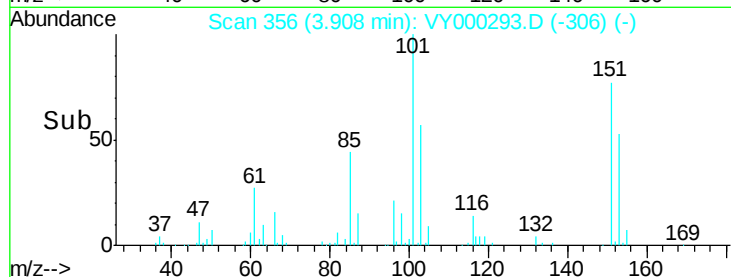
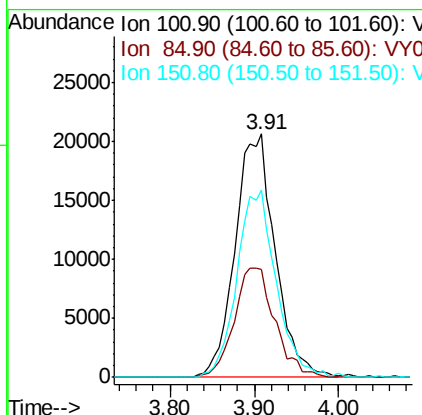
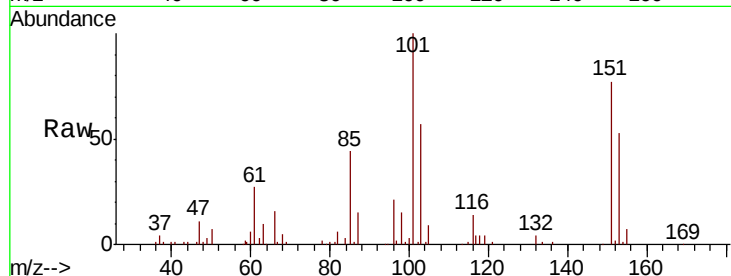
ClientSampleId :

VY1014SBS01

Tot Ion:	101	Resp:	66482
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	55.0
151	75.3	63.1	94.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#10

Methyl Iodide

Concen: 17.425 ug/l

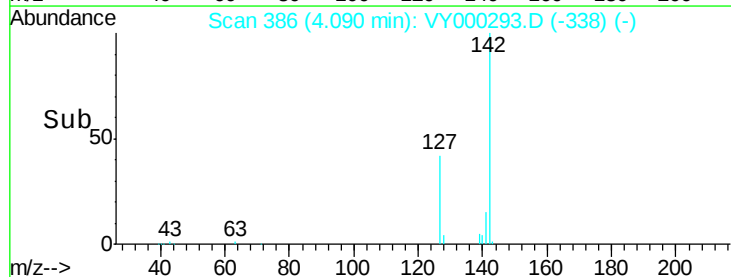
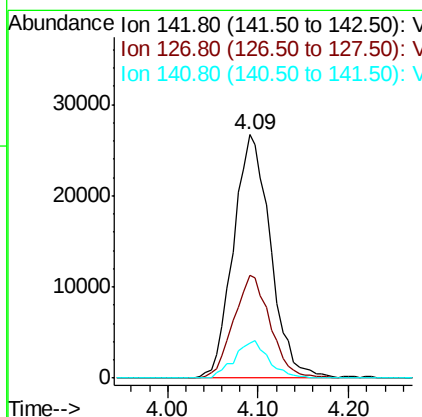
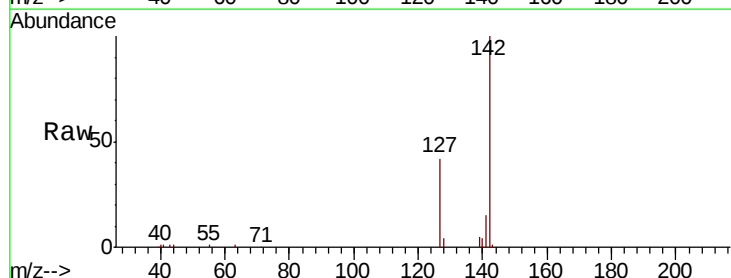
RT: 4.09 min Scan# 386

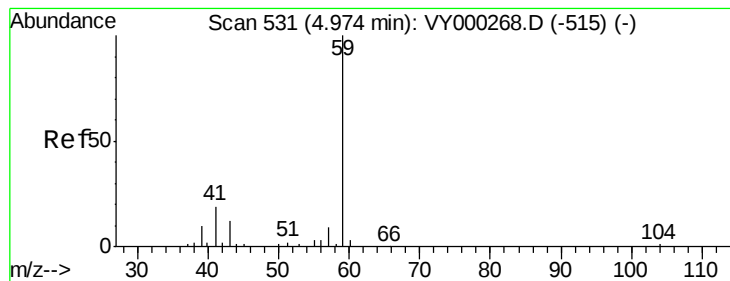
Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion:	142	Resp:	75814
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.9	50.9
141	14.1	11.2	16.8





#11

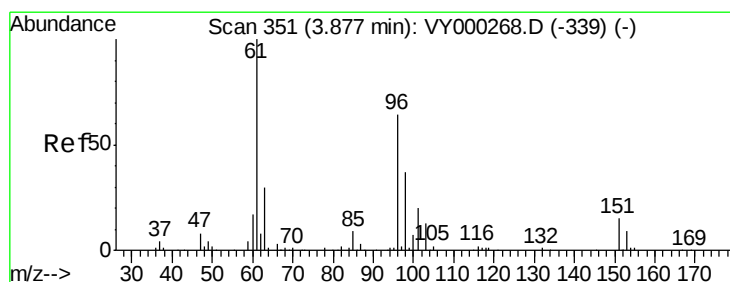
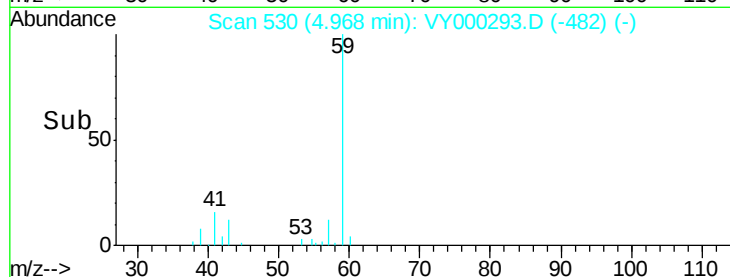
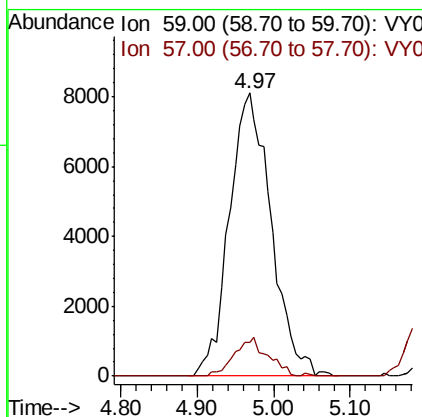
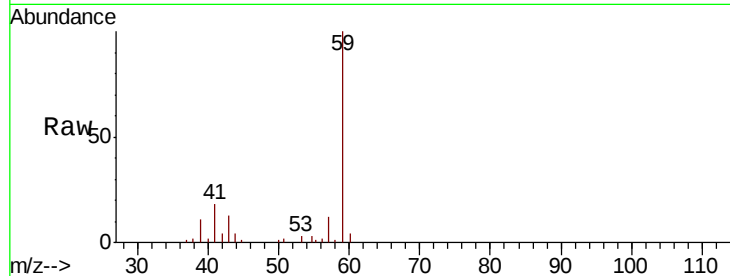
Tert butyl alcohol
 Concen: 89.197 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
 APPROVED

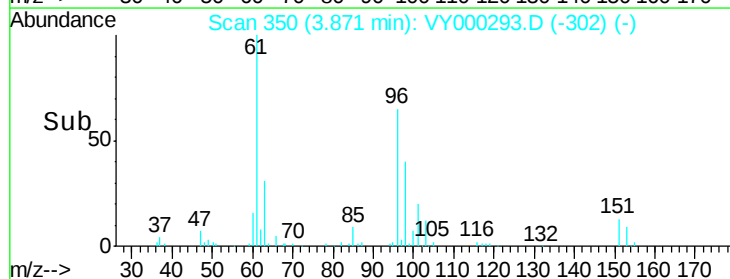
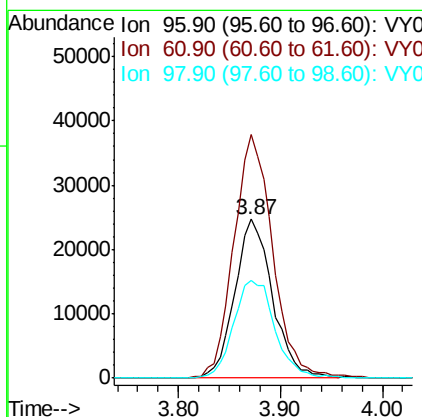
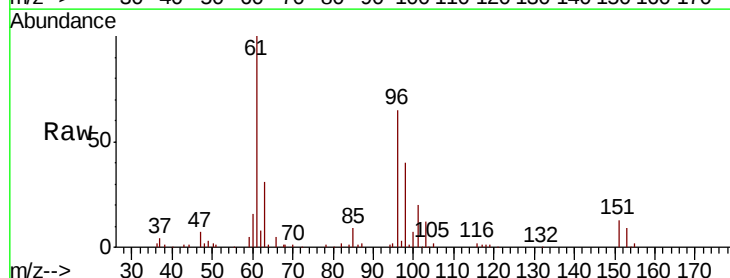
MMDadoda
 10/16/2019 12:53:09 AM

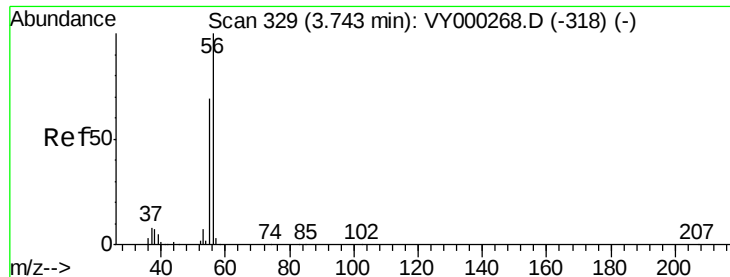


#12

1,1-Dichloroethene
 Concen: 20.168 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	125.8	188.6
98	61.4	46.2	69.2





#13

Acrolein

Concen: 95.381 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 56 Resp: 38612

Ion Ratio Lower Upper

56 100

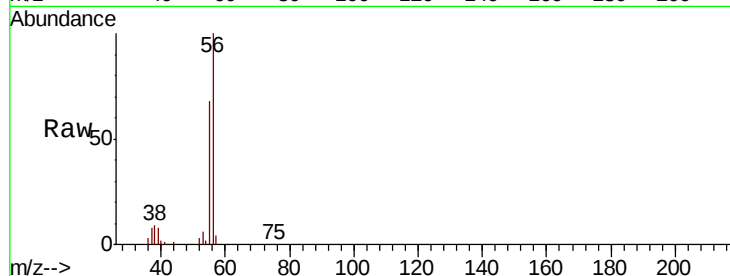
55 70.6 55.7 83.5

Manual Integrations

APPROVED

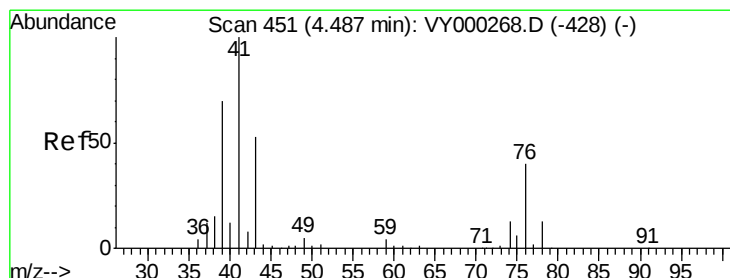
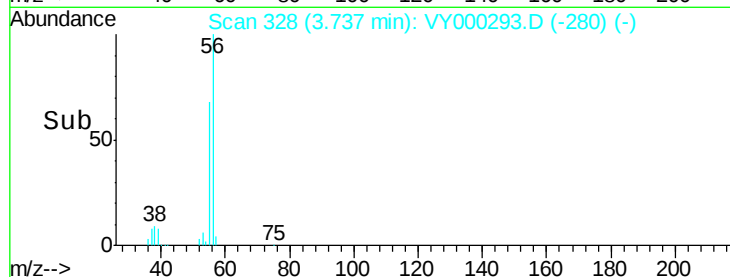
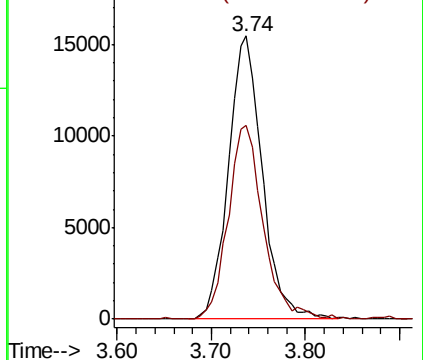
MMDadoda

10/16/2019 12:53:09 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.083 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

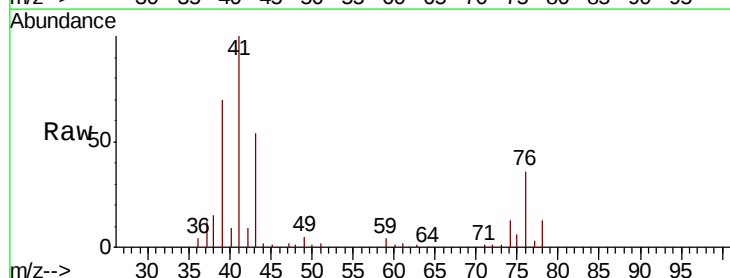
Tgt Ion: 41 Resp: 105140

Ion Ratio Lower Upper

41 100

39 69.2 54.0 81.0

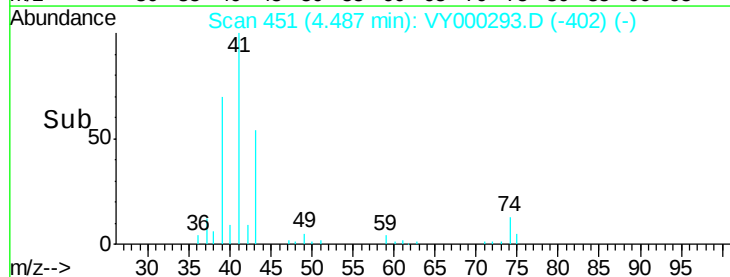
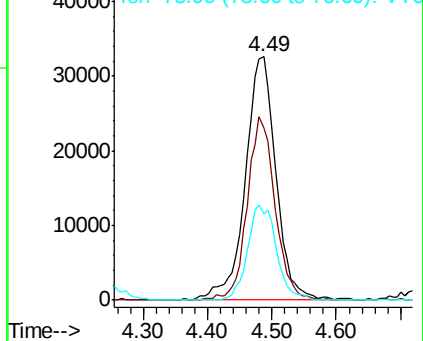
76 37.2 30.7 46.1

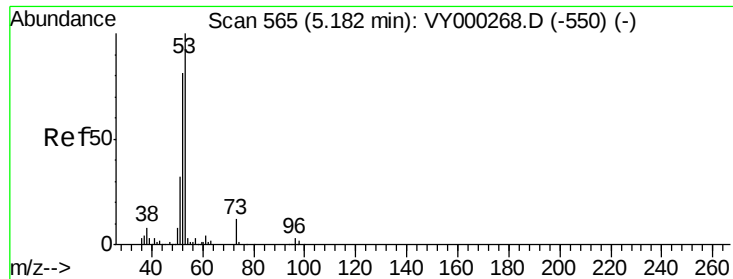


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 97.160 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

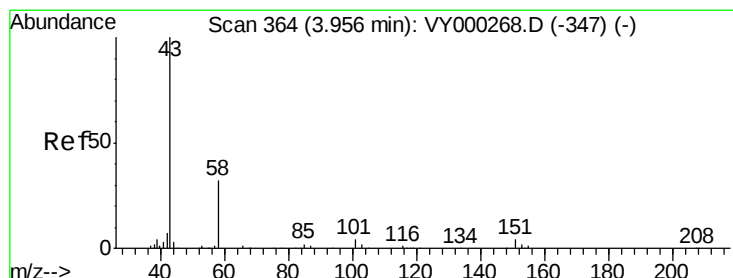
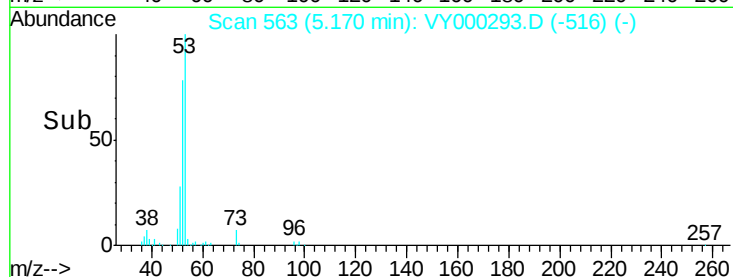
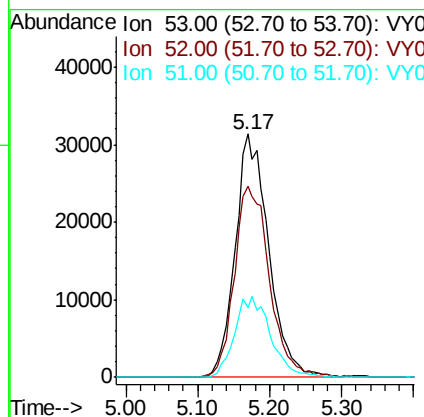
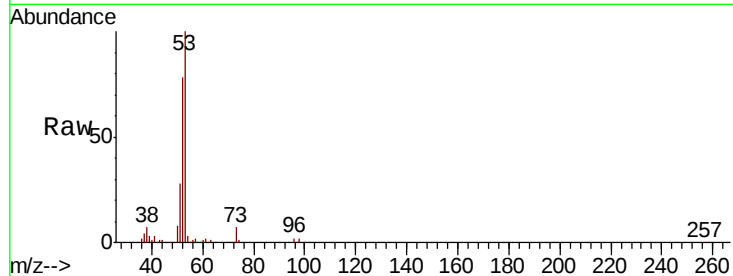
ClientSampleId :

VY1014SBS01

Tot Ion:	53	Resp:	101372
Ion Ratio	Lower	Upper	
53	100		
52	82.1	62.9	94.3
51	35.8	26.9	40.3

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#16

Acetone

Concen: 83.779 ug/l

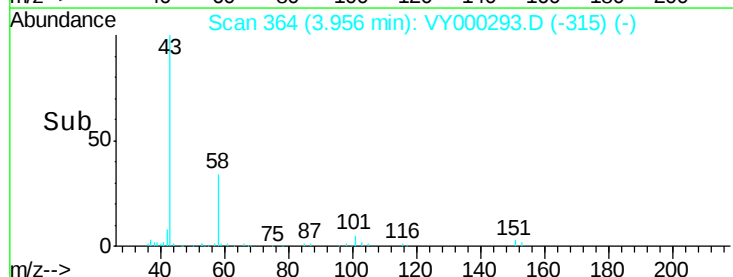
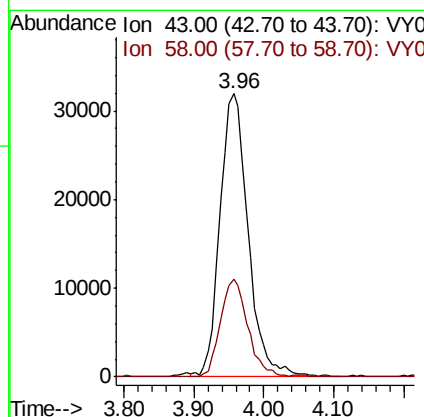
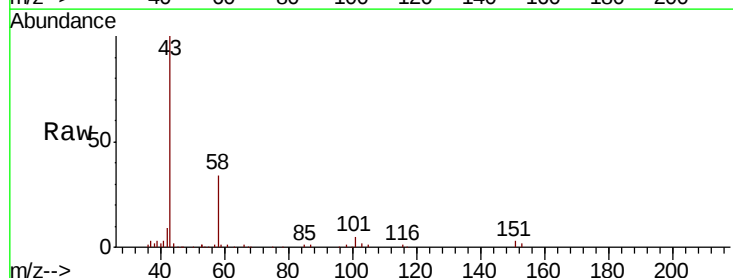
RT: 3.96 min Scan# 364

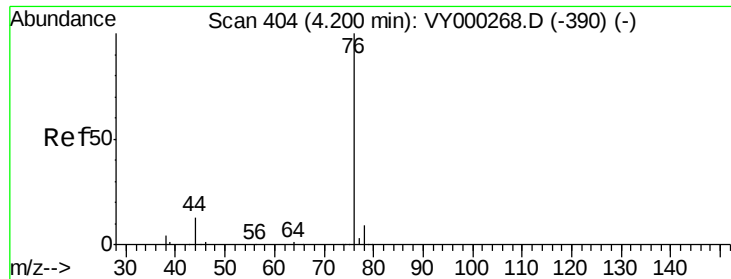
Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion:	43	Resp:	89519
Ion Ratio	Lower	Upper	
43	100		
58	34.3	25.8	38.6





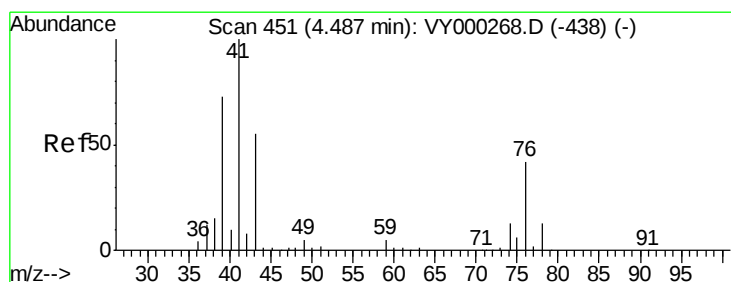
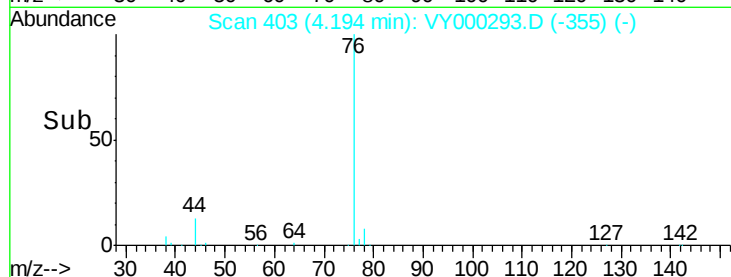
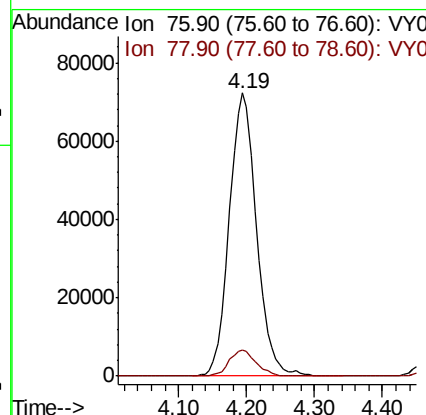
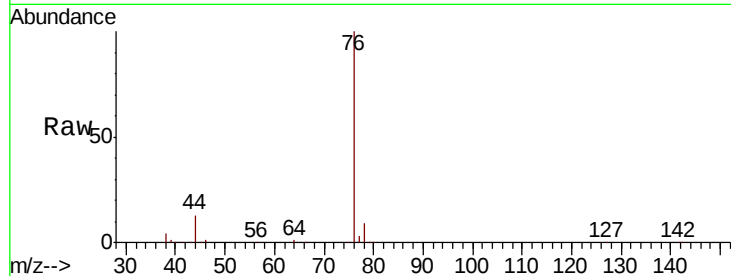
#17
Carbon Disulfide
Concen: 20.165 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

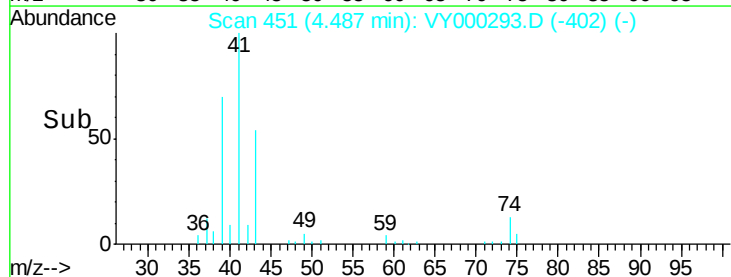
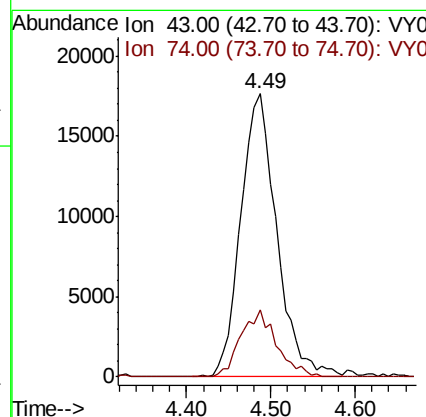
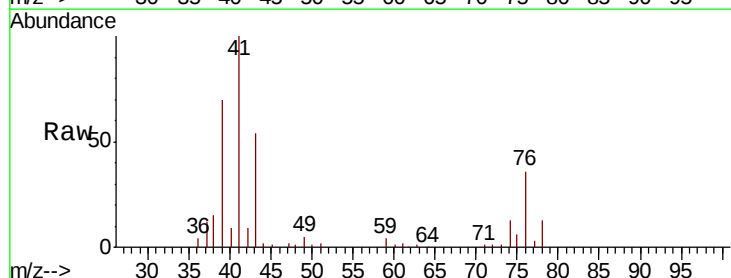
Manual Integrations
APPROVED

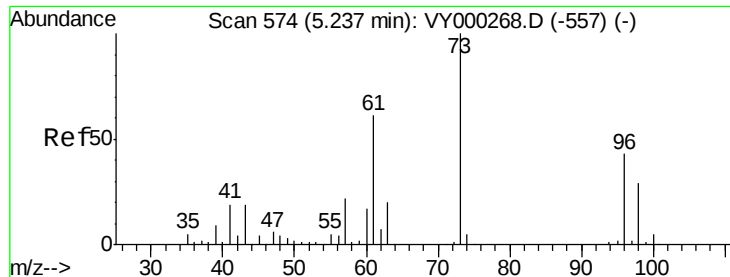
MMDadoda
10/16/2019 12:53:09 AM



#18
Methyl Acetate
Concen: 19.258 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	20.4	30.6





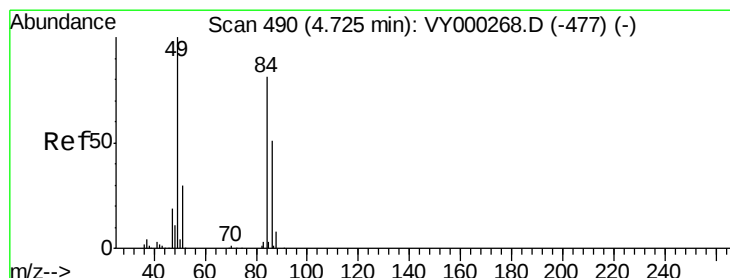
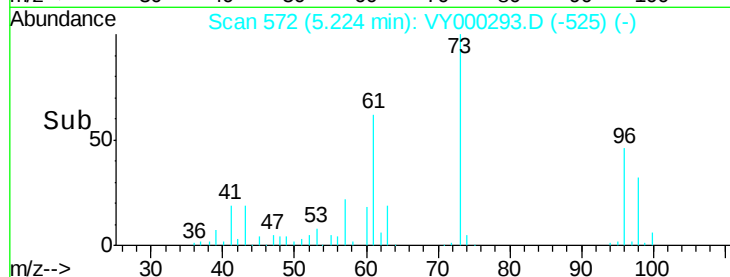
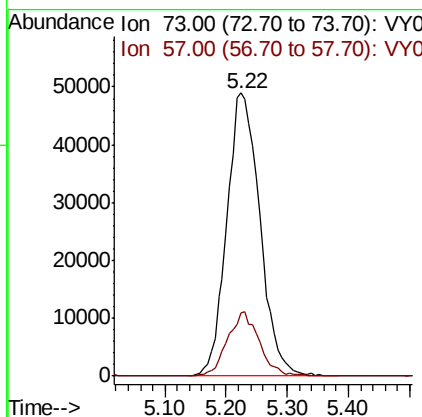
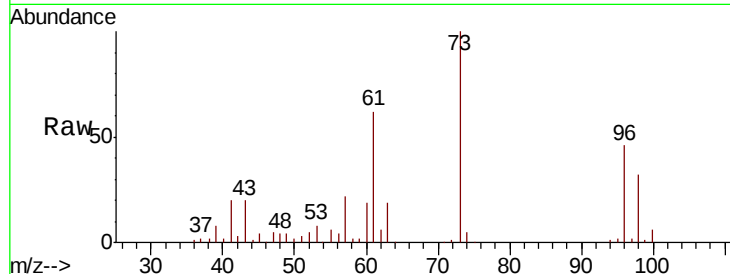
#19
Methvl tert-butvl Ether
Concen: 20.771 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion: 73 Resp: 182663
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0

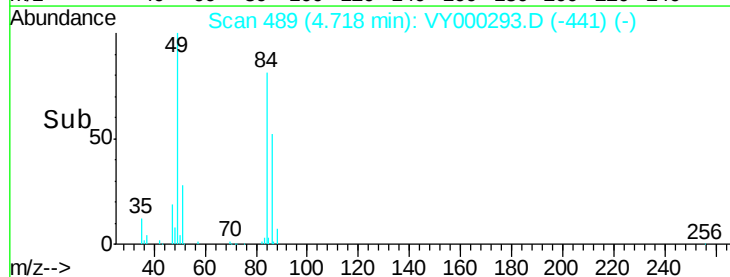
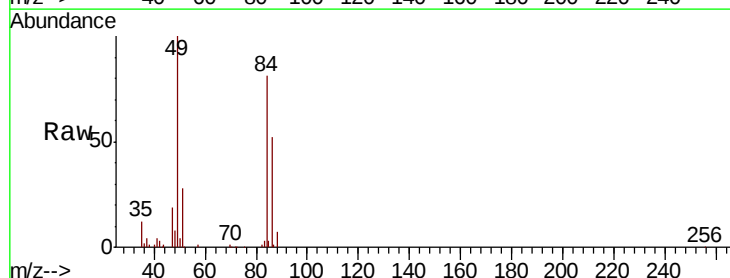
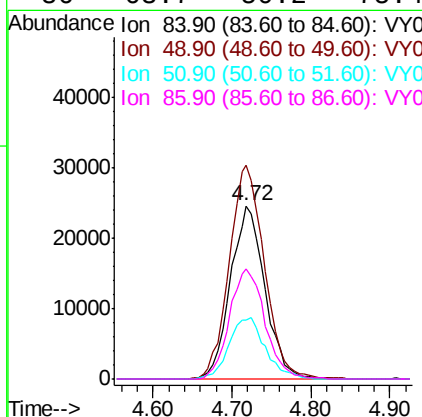
Manual Integrations
APPROVED

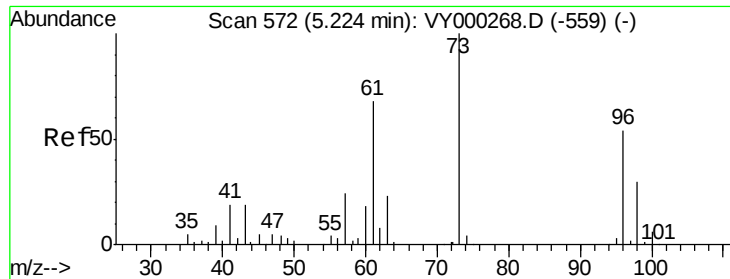
MMDadoda
10/16/2019 12:53:09 AM



#20
Methylene Chloride
Concen: 17.127 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 84 Resp: 74529
Ion Ratio Lower Upper
84 100
49 123.2 99.0 148.4
51 34.1 29.3 43.9
86 63.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.048 ug/l

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 96 Resp: 72664

Ion Ratio Lower Upper

96 100

61 136.4 100.4 150.6

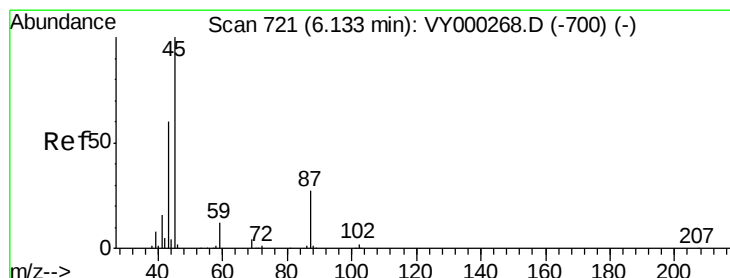
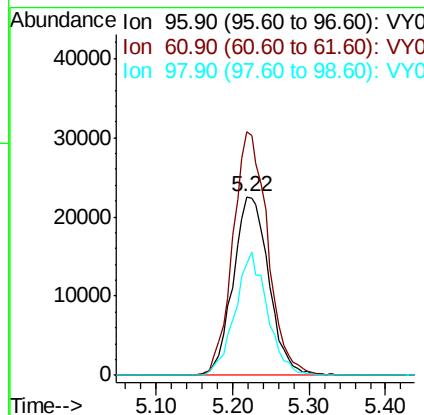
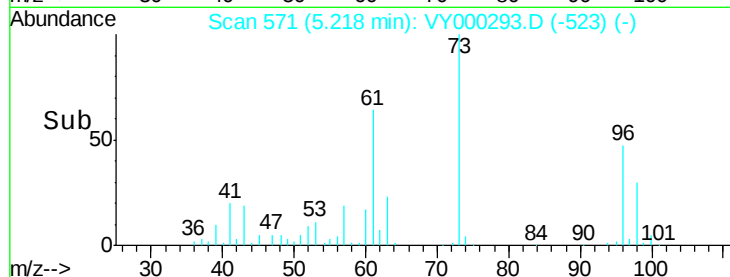
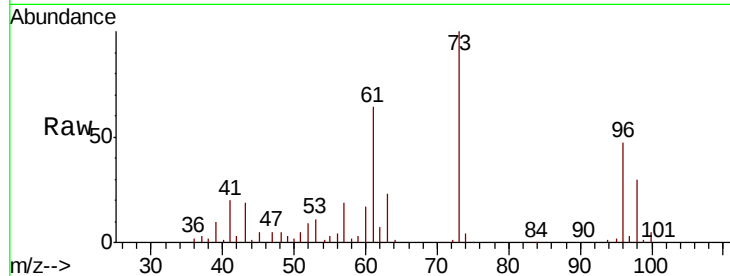
98 62.9 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:53:09 AM



#22

Diisopropyl ether

Concen: 20.423 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion: 45 Resp: 226135

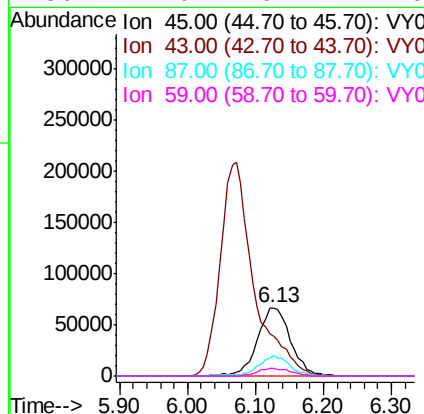
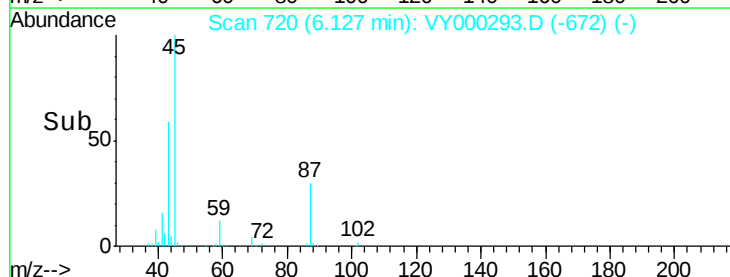
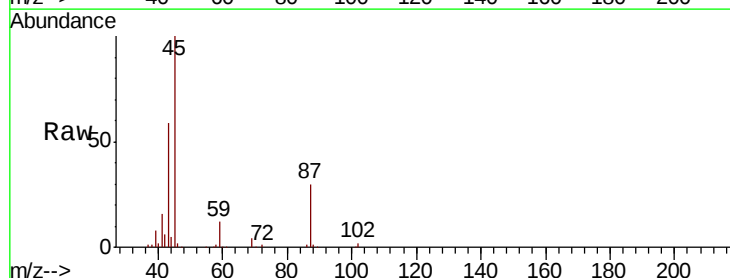
Ion Ratio Lower Upper

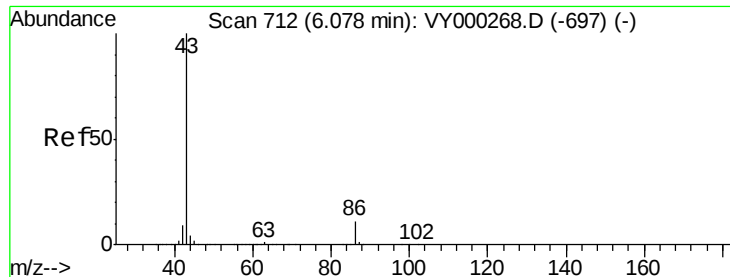
45 100

43 58.7 48.5 72.7

87 29.4 21.5 32.3

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 99.205 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 43 Resp: 716620

Ion Ratio Lower Upper

43 100

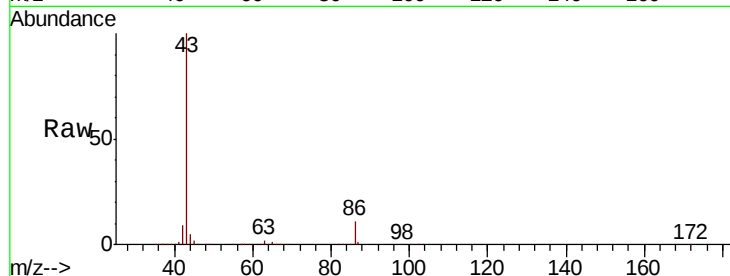
86 10.7 8.6 13.0

Manual Integrations

APPROVED

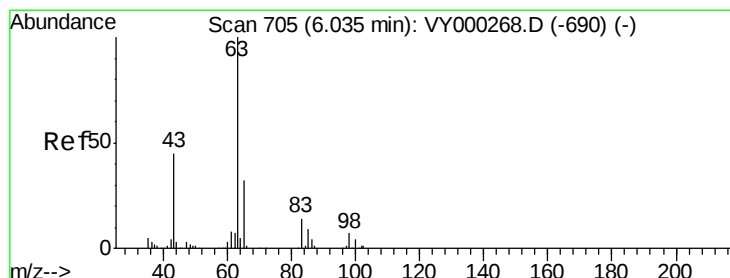
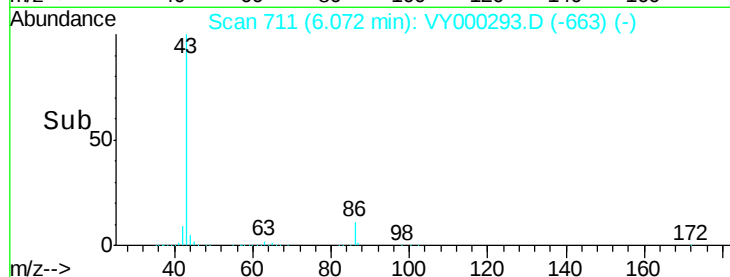
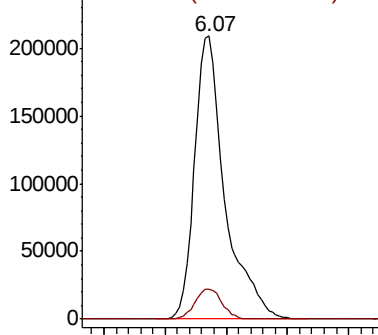
MMDadoda

10/16/2019 12:53:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.287 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

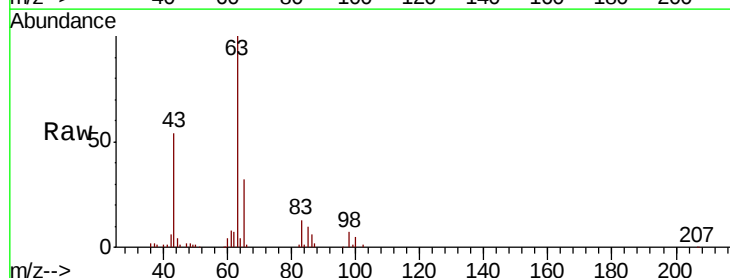
Tgt Ion: 63 Resp: 122613

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

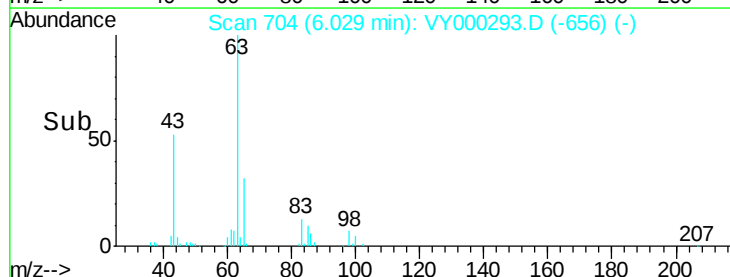
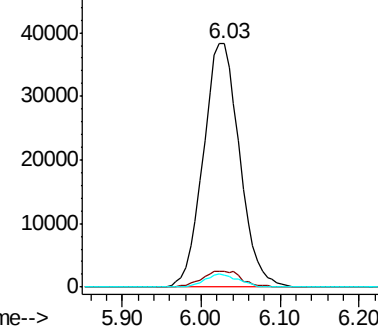
100 4.8 2.1 6.2

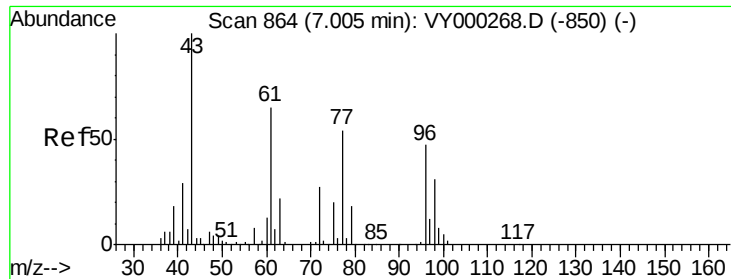


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 90.888 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 43 Resp: 136804

Ion Ratio Lower Upper

43 100

72 27.8

21.4

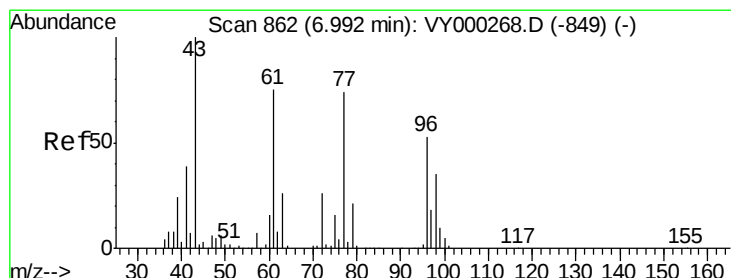
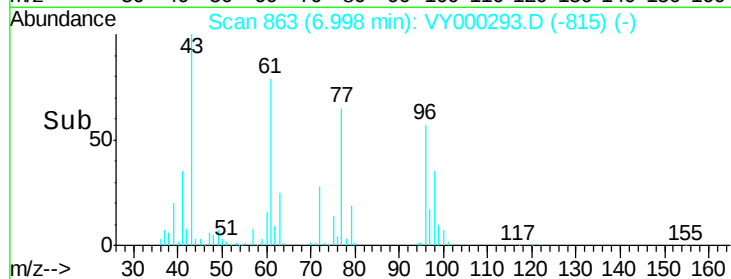
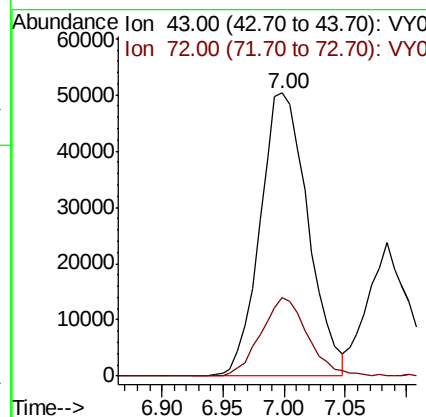
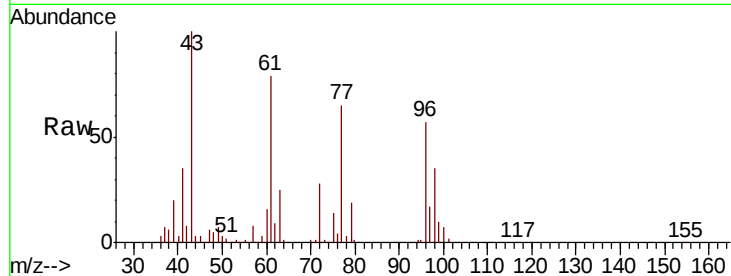
32.2

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:53:09 AM



#26

2,2-Dichloropropane

Concen: 19.539 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion: 77 Resp: 108816

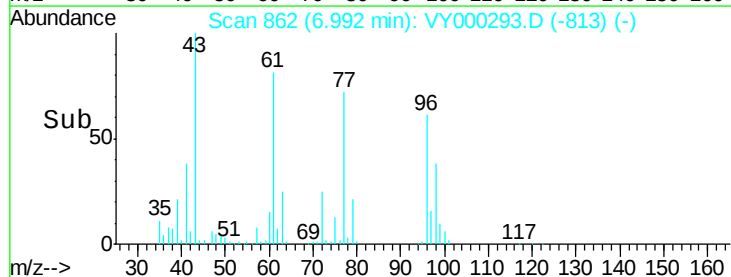
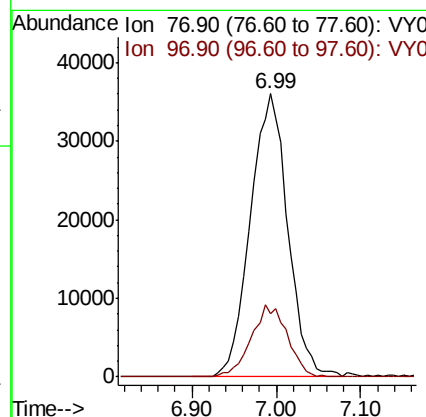
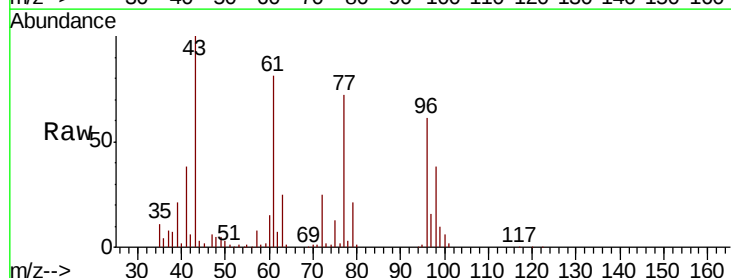
Ion Ratio Lower Upper

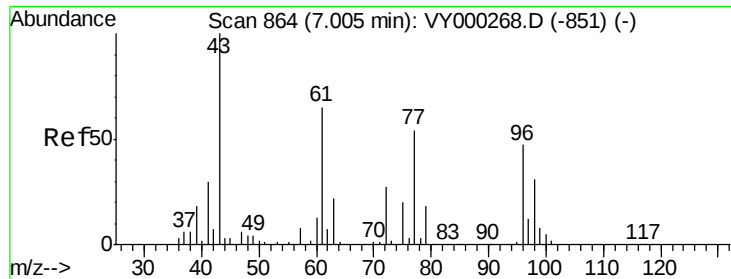
77 100

97 24.5

11.6

34.7





#27

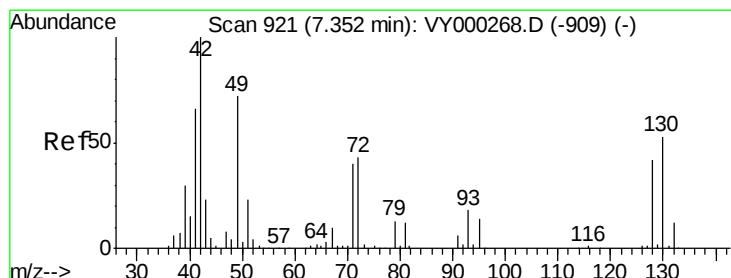
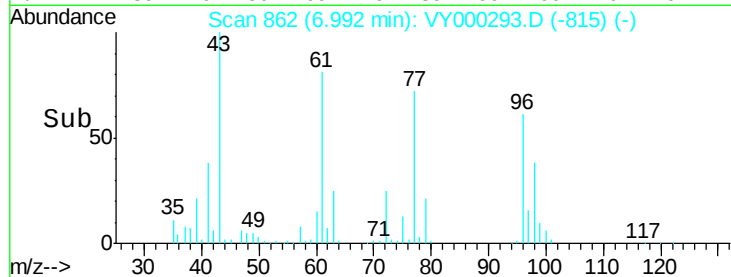
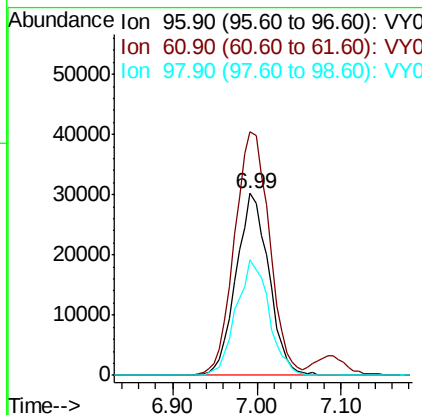
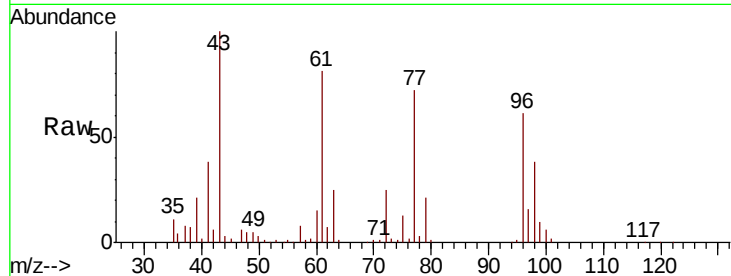
cis-1,2-Dichloroethene
Concen: 20.268 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	289.8
98	63.5	0.0	131.8

Manual Integrations
APPROVED

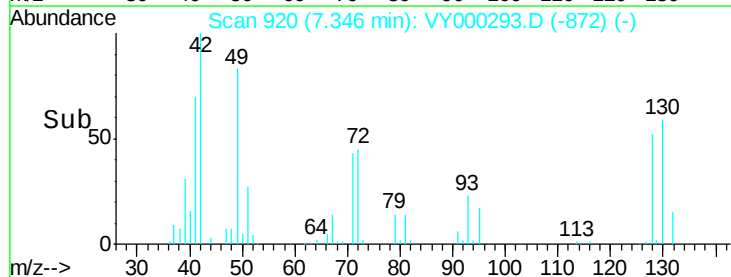
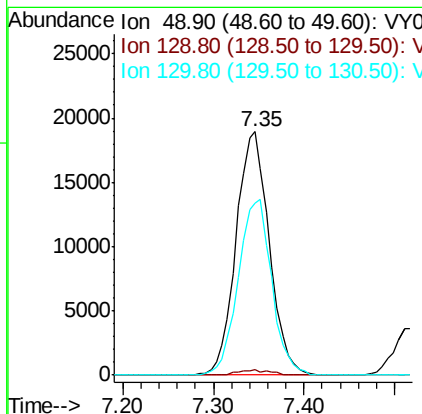
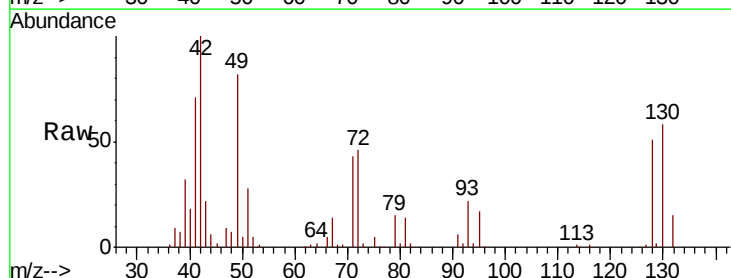
MMDadoda
10/16/2019 12:53:09 AM

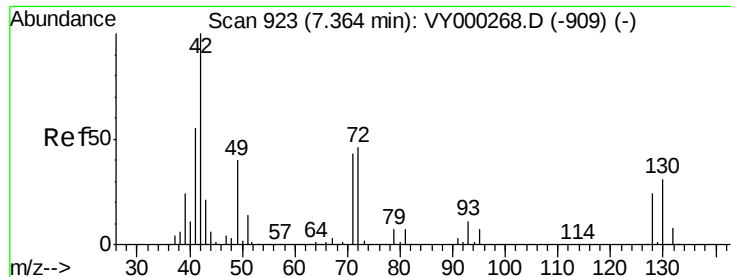


#28

Bromochloromethane
Concen: 18.490 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.5	58.2	87.2





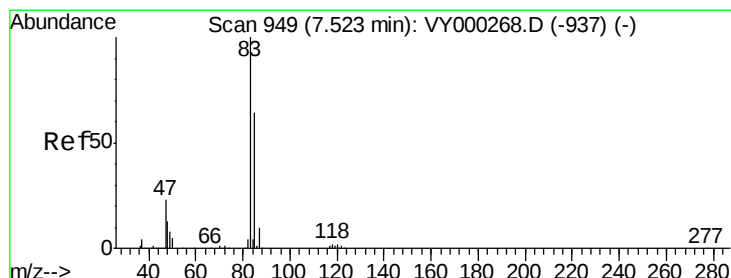
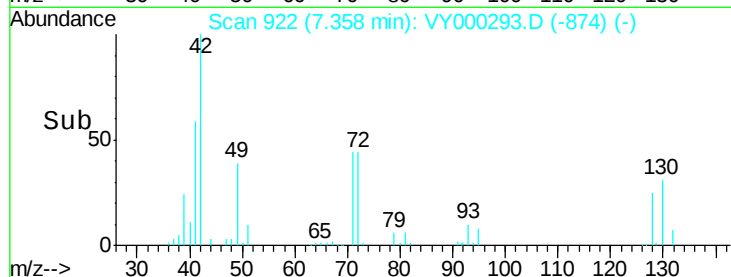
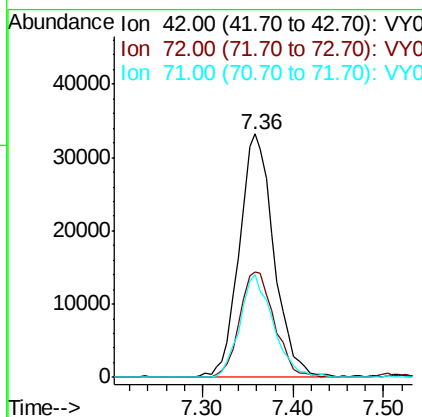
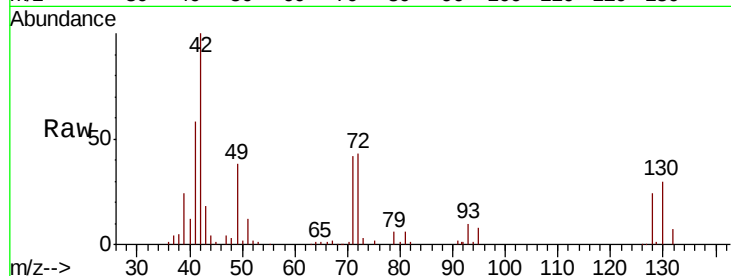
#29
Tetrahydrofuran
Concen: 96.056 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.5	51.7
71	40.9	32.7	49.1

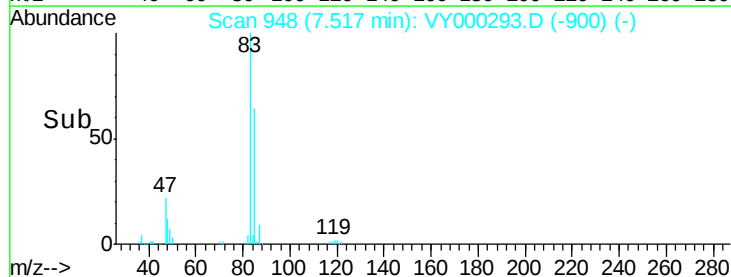
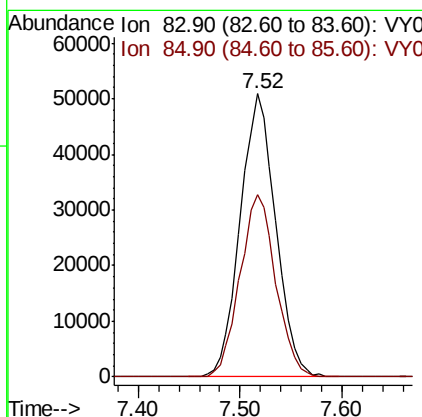
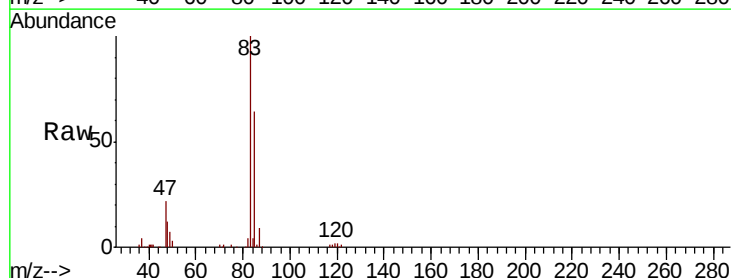
Manual Integrations
APPROVED

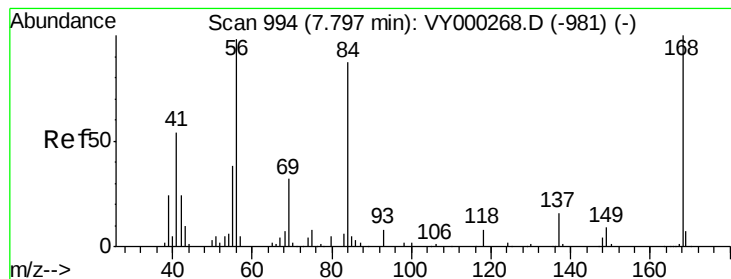
MMDadoda
10/16/2019 12:53:09 AM



#30
Chloroform
Concen: 20.174 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





#31

Cyclohexane

Concen: 20.244 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

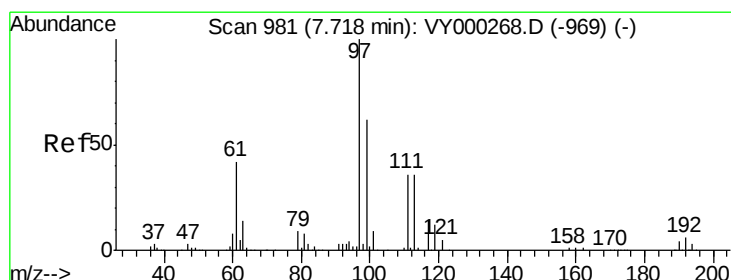
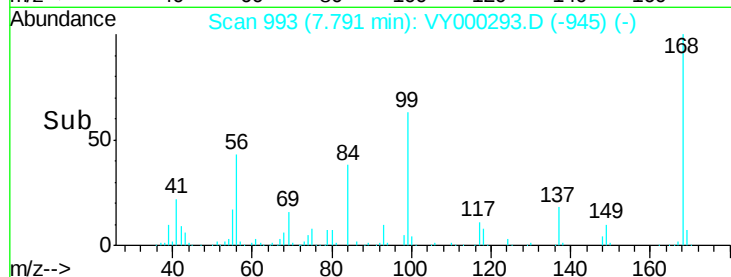
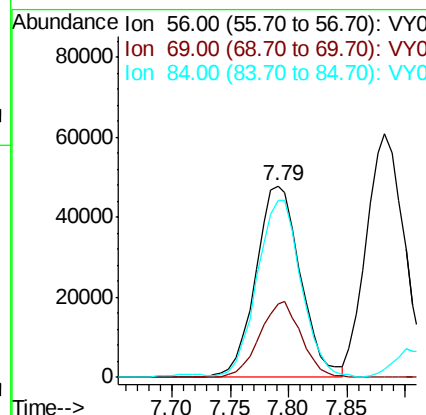
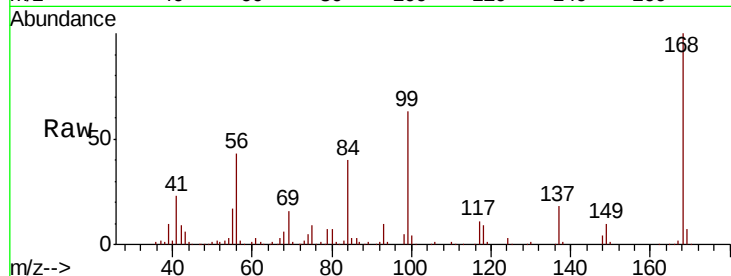
ClientSampleId :

VY1014SBS01

Tot Ion	56	Resp	127788
Ion Ratio	Lower	Upper	
56	100		
69	38.3	26.3	39.5
84	91.4	70.8	106.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#32

1,1,1-Trichloroethane

Concen: 19.929 ug/l

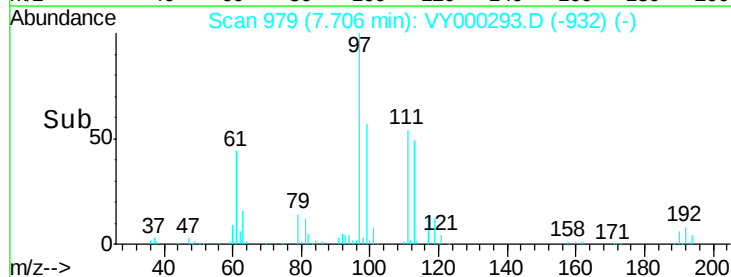
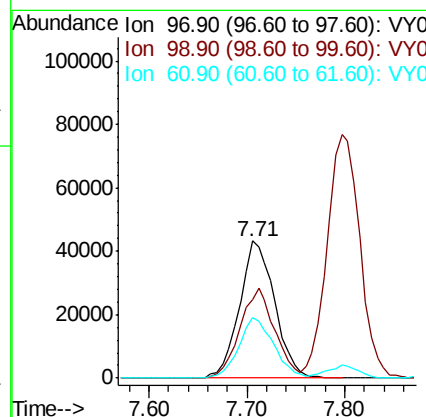
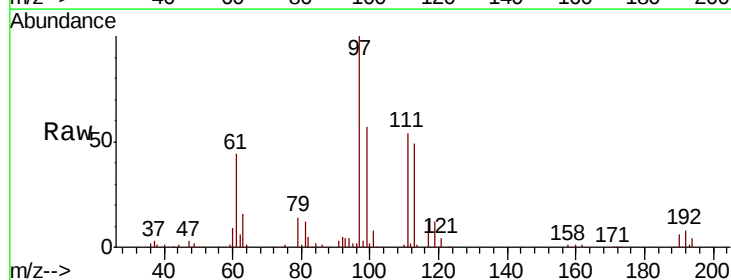
RT: 7.71 min Scan# 979

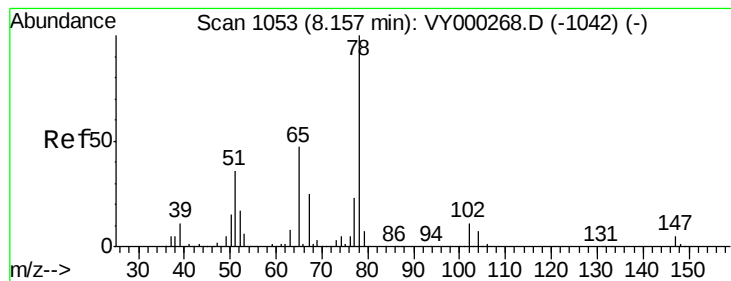
Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion	97	Resp	107843
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.7	77.5
61	43.7	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 50.975 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 65 Resp: 168190

Ion Ratio Lower Upper

65 100

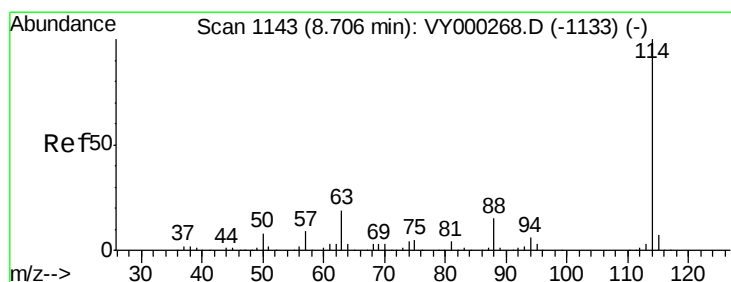
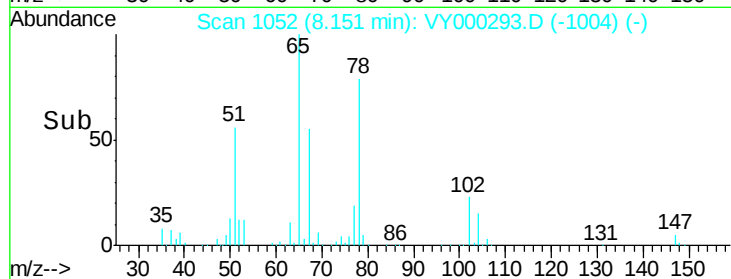
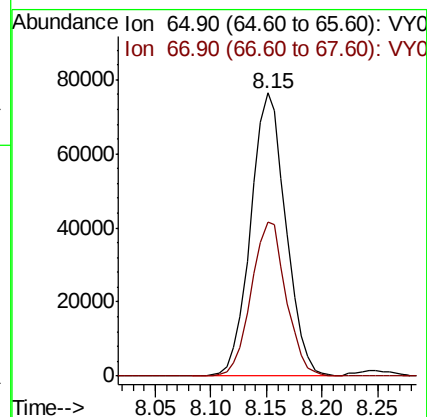
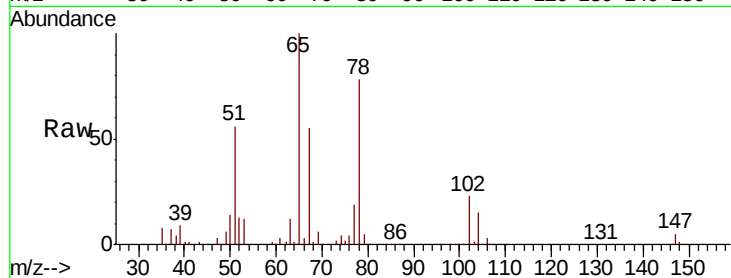
67 53.8 0.0 109.4

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:53:09 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

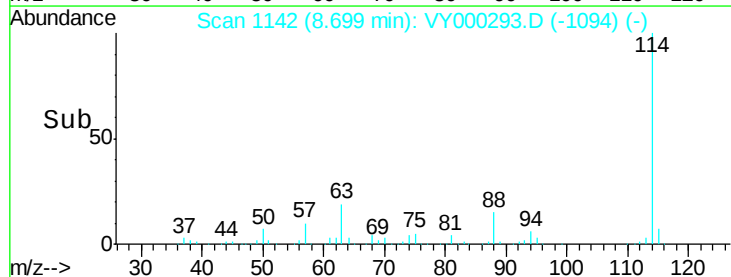
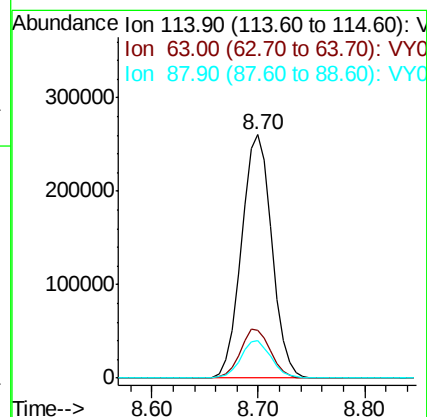
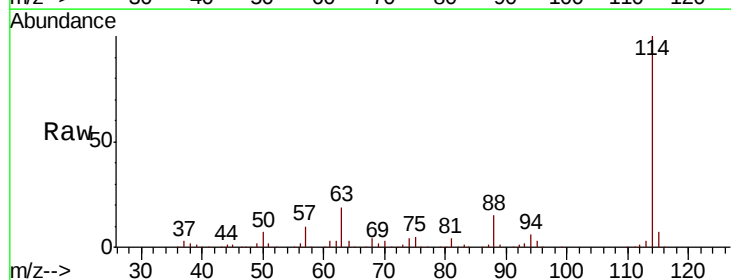
Tgt Ion: 114 Resp: 522157

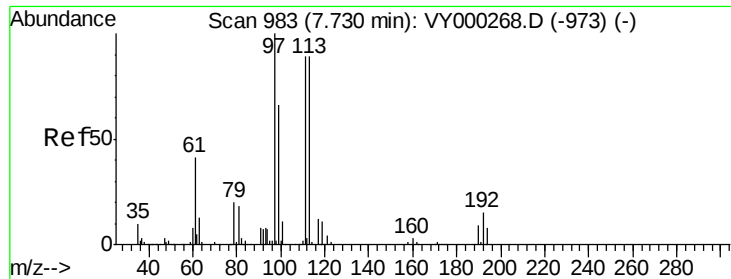
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

88 15.2 0.0 30.2





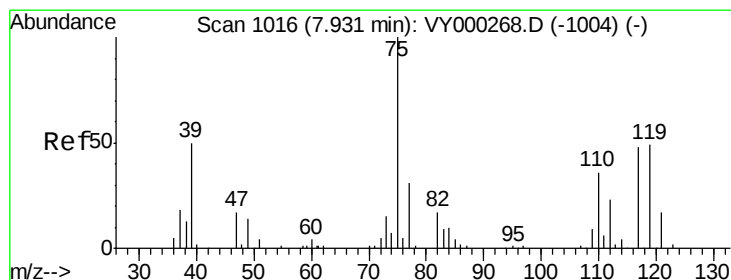
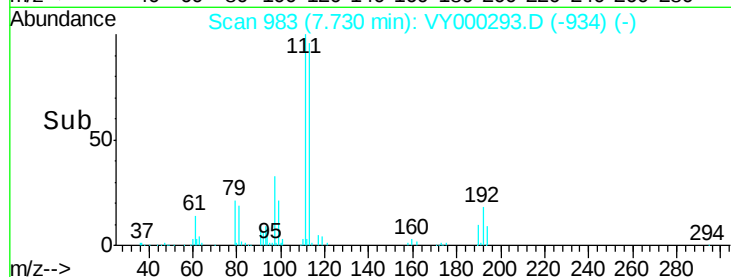
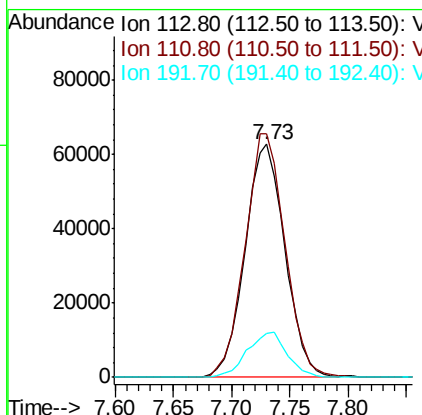
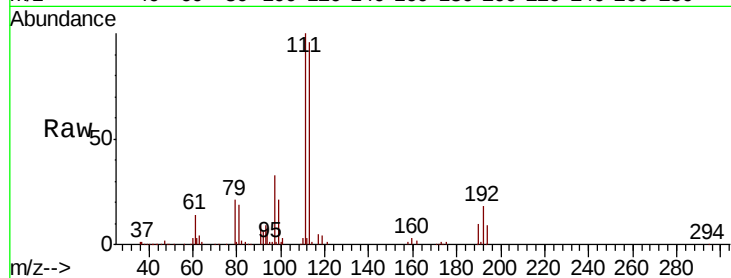
#35
Dibromofluoromethane
Concen: 47.539 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.6	122.4
192	19.3	15.3	22.9

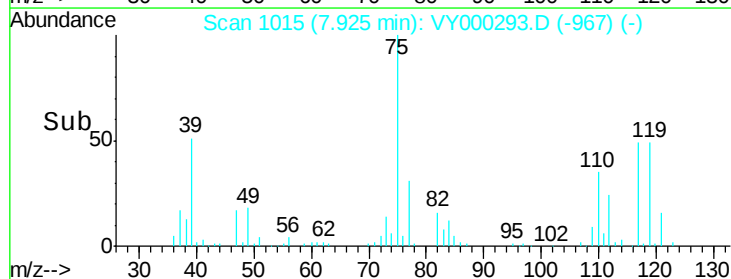
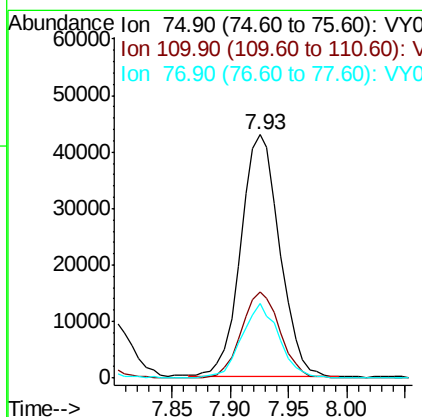
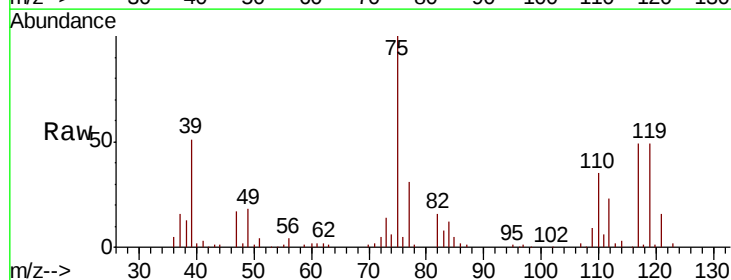
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#36
1,1-Dichloropropene
Concen: 19.528 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.4	55.4
77	29.5	25.0	37.6





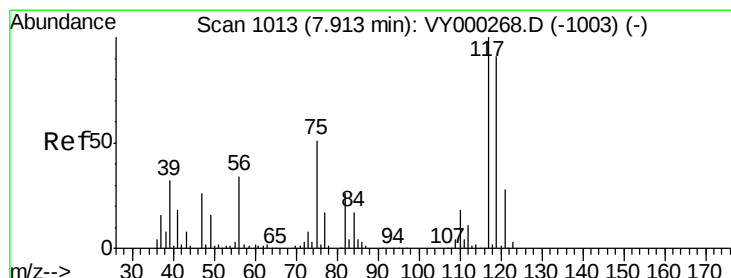
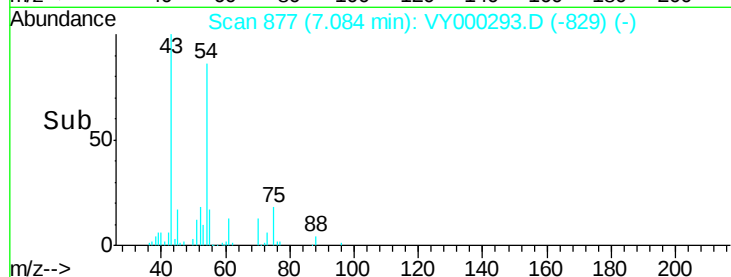
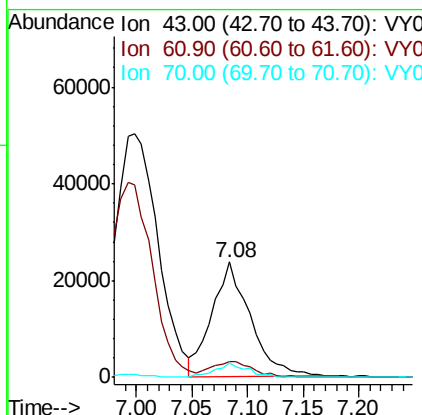
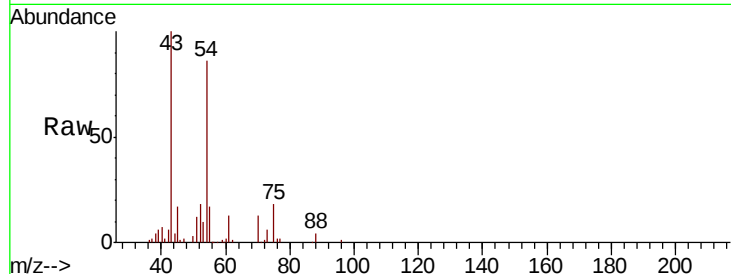
#37
Ethyl Acetate
Concen: 18.765 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	11.0	8.7	13.1

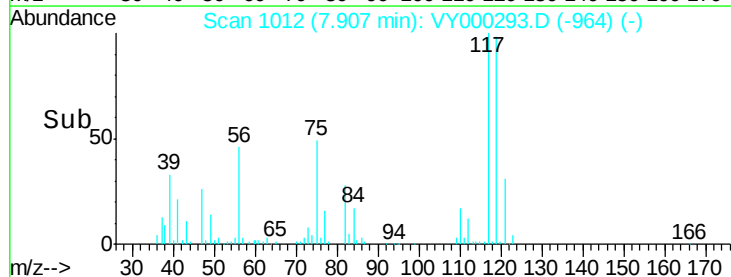
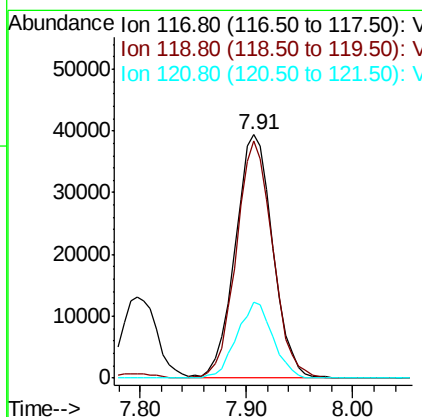
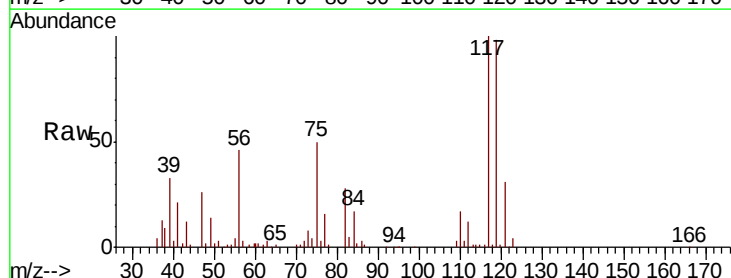
Manual Integrations
APPROVED

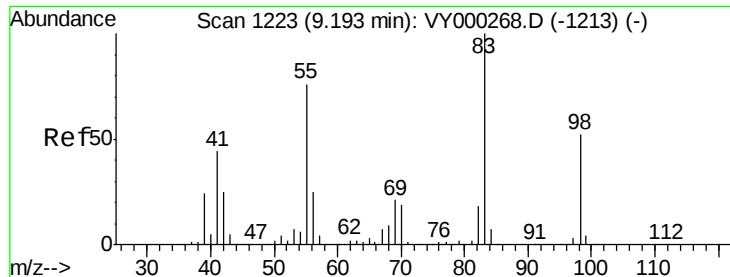
MMDadoda
10/16/2019 12:53:09 AM



#38
Carbon Tetrachloride
Concen: 19.687 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	72.8	109.2
121	31.4	22.2	33.2





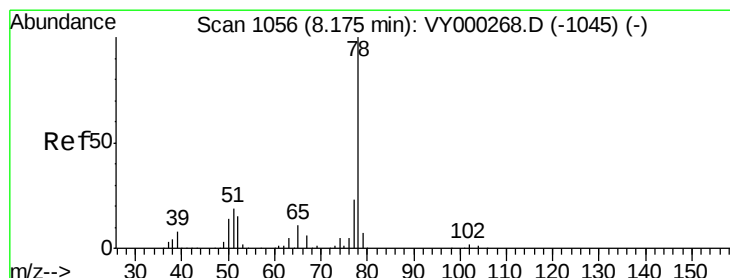
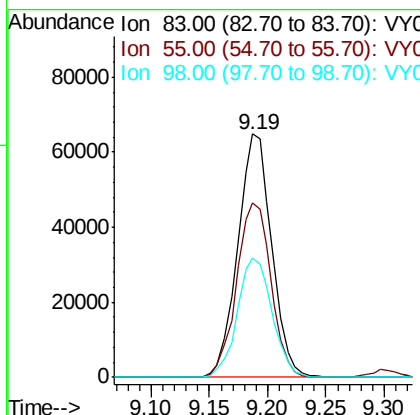
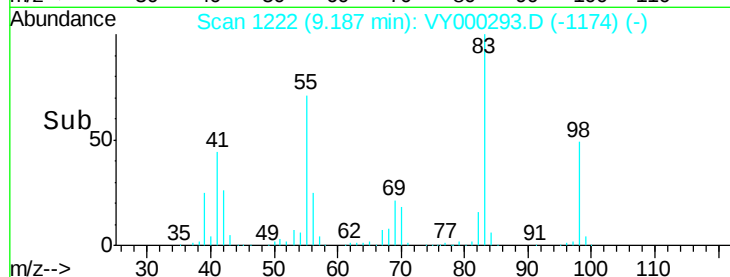
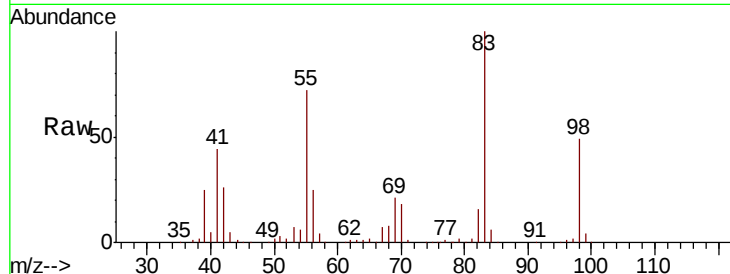
#39
Methvlcvclohexane
Concen: 19.646 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	83	Resp	131453
Ion Ratio	100	Lower	Upper
83	100		
55	71.6	60.9	91.3
98	49.1	41.8	62.6

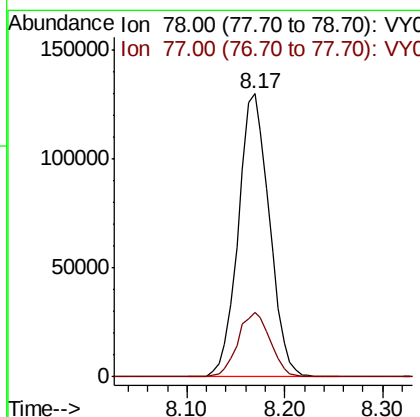
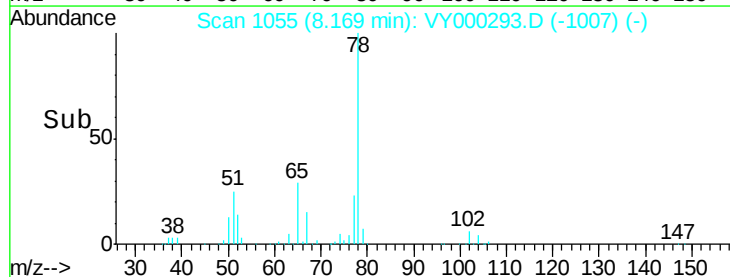
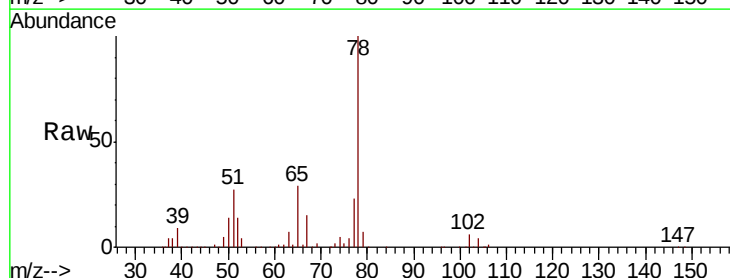
Manual Integrations
APPROVED

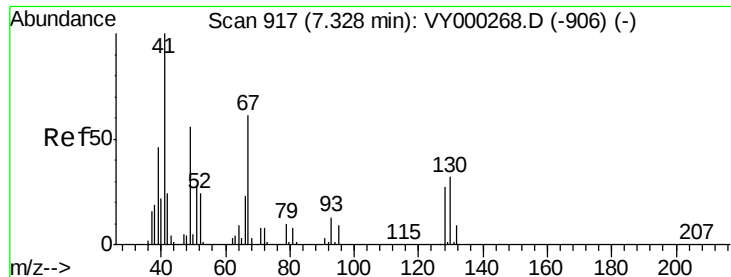
MMDadoda
10/16/2019 12:53:09 AM



#40
Benzene
Concen: 19.408 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	78	Resp	286735
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.8	28.2





#41

Methacrylonitrile

Concen: 17.955 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 41 Resp: 25871

Ion Ratio Lower Upper

41 100

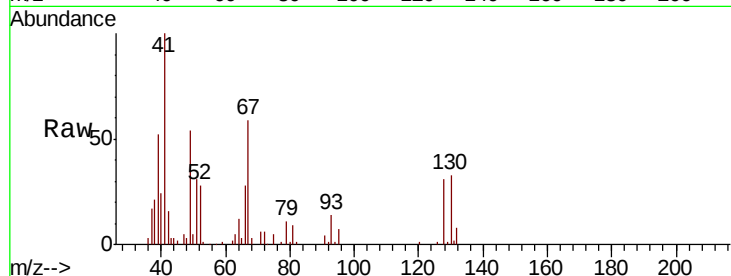
39 0.0 110.2 165.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM

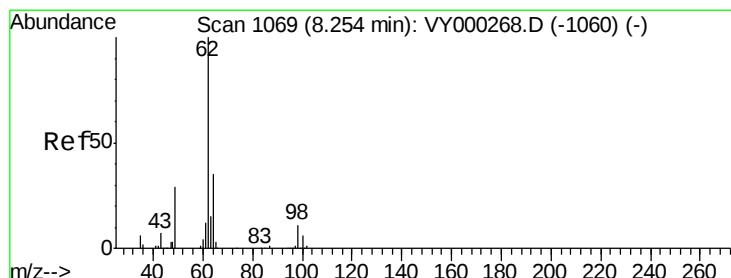
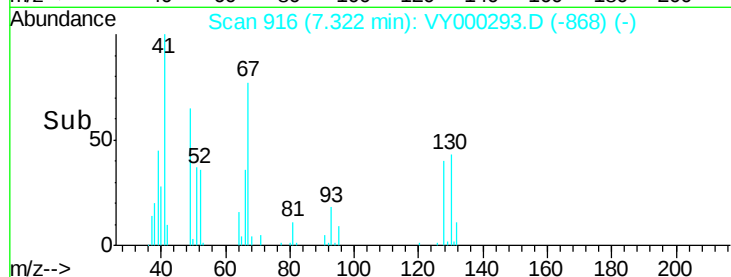
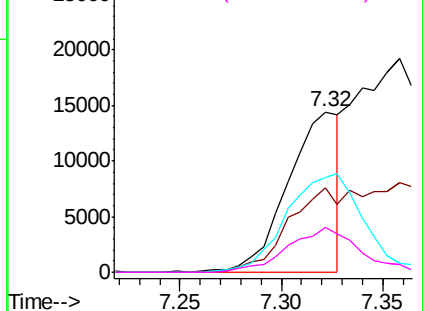


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 20.115 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000293.D

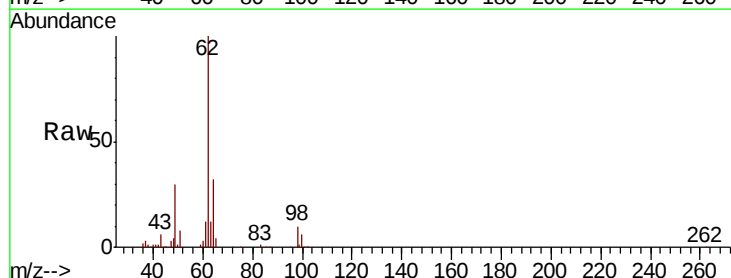
Acq: 14 Oct 2019 12:54

Tgt Ion: 62 Resp: 84886

Ion Ratio Lower Upper

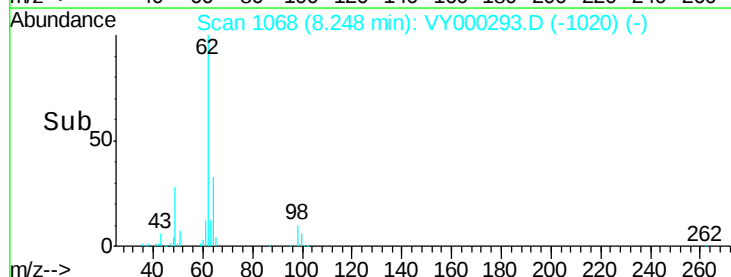
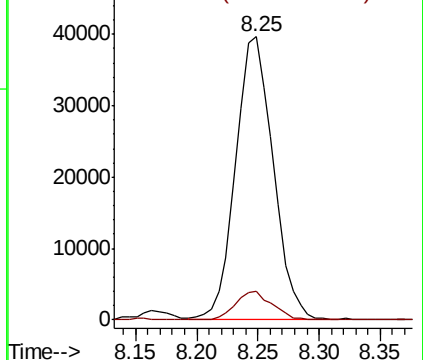
62 100

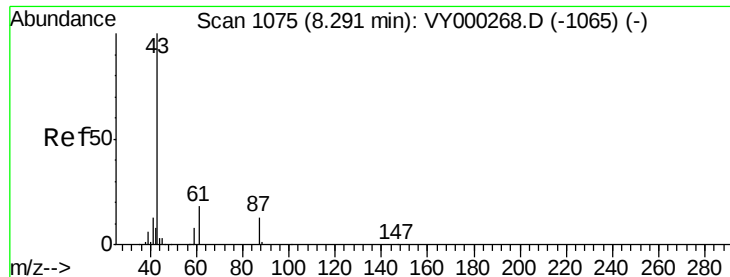
98 9.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 18.886 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

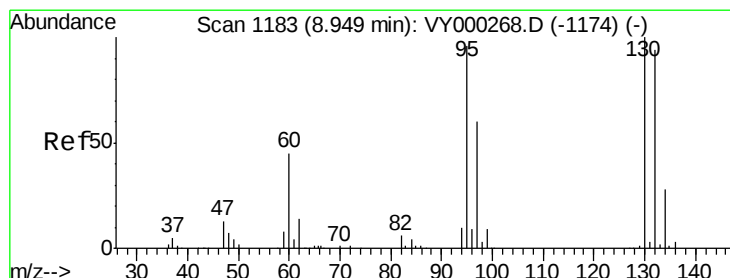
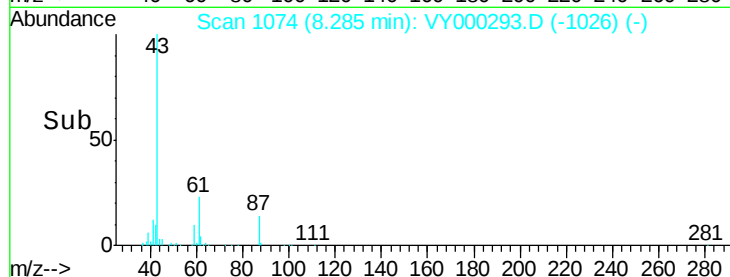
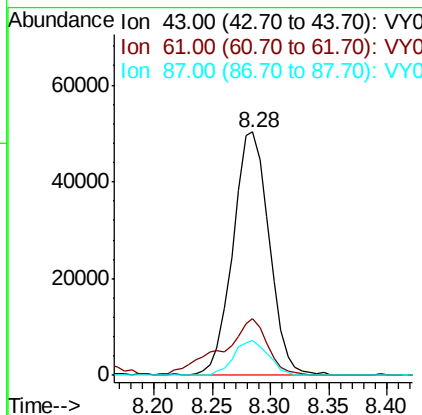
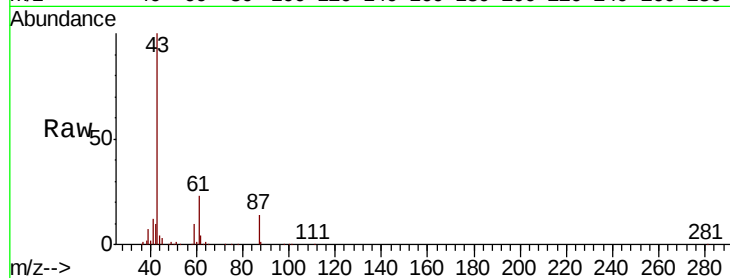
ClientSampleId :

VY1014SBS01

Tot Ion:	43	Resp:	108700
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.3	33.5
87	13.8	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#44

Trichloroethene

Concen: 18.993 ug/l

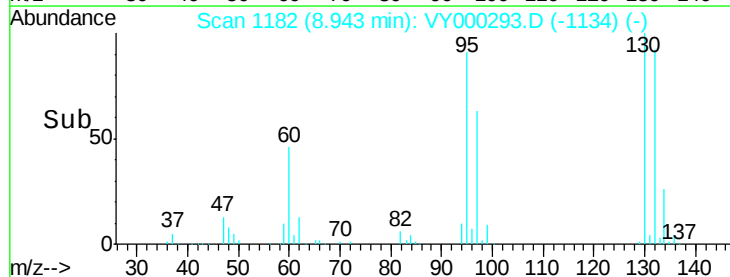
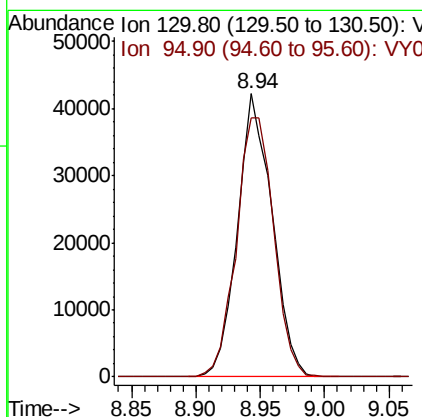
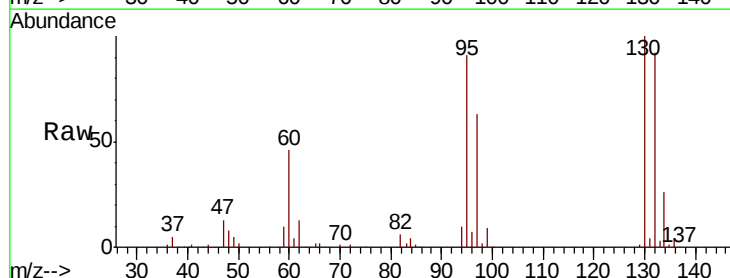
RT: 8.94 min Scan# 1182

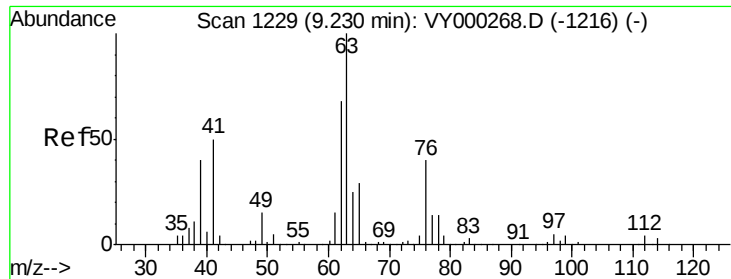
Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion:	130	Resp:	78730
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	191.4





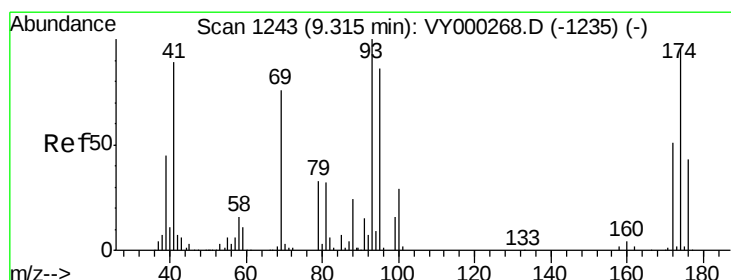
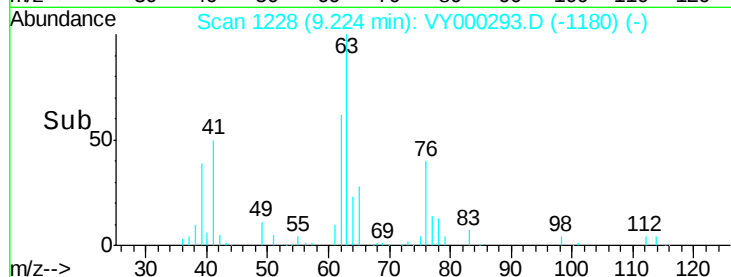
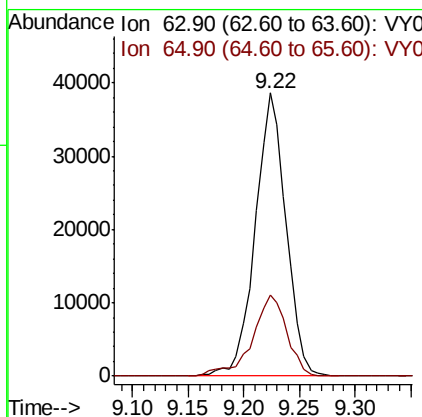
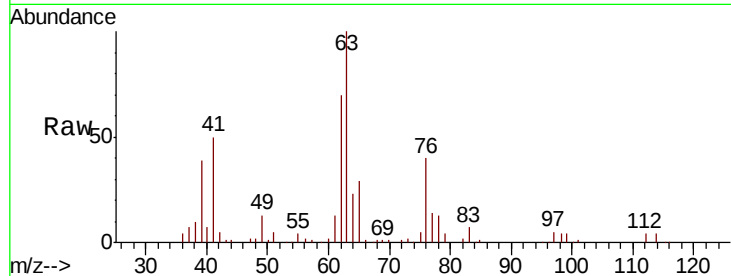
#45
 1,2-Dichloropropane
 Concen: 20.470 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion: 63 Resp: 74216
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.2 34.8

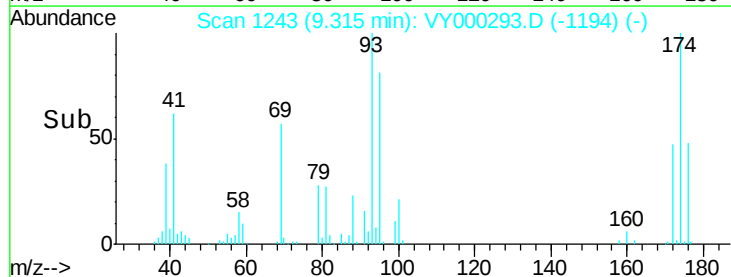
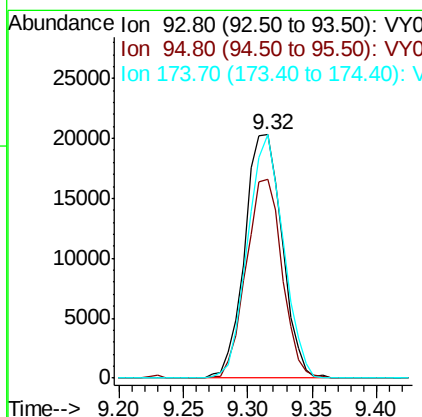
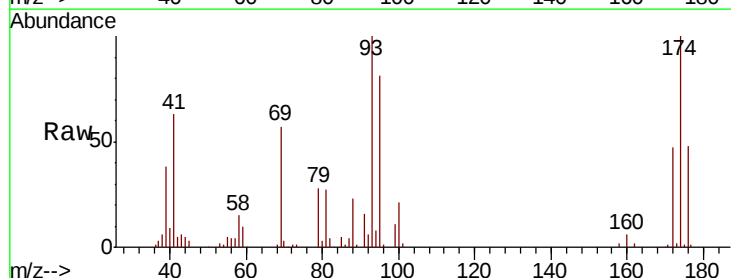
Manual Integrations
 APPROVED

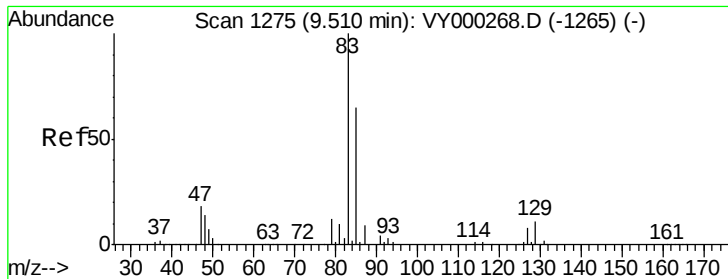
MMDadoda
 10/16/2019 12:53:09 AM



#46
 Dibromomethane
 Concen: 20.089 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 93 Resp: 40715
 Ion Ratio Lower Upper
 93 100
 95 78.3 68.2 102.2
 174 95.0 79.8 119.6





#47

Bromodichloromethane

Concen: 19.852 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

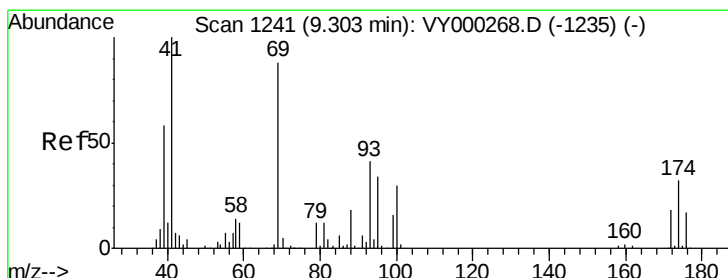
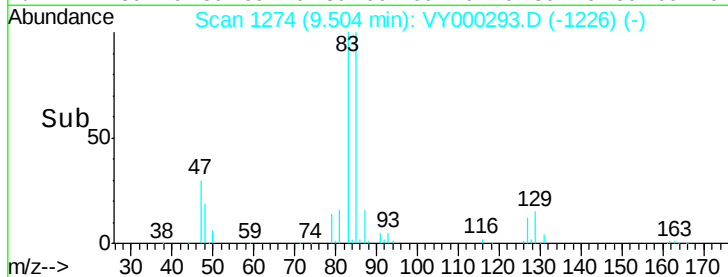
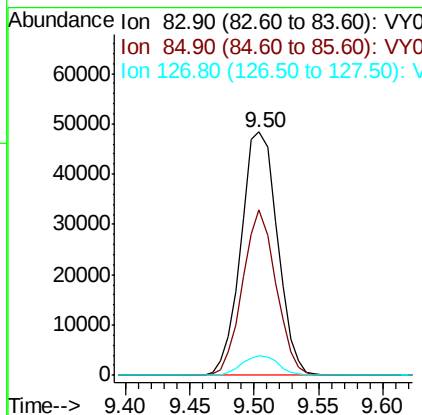
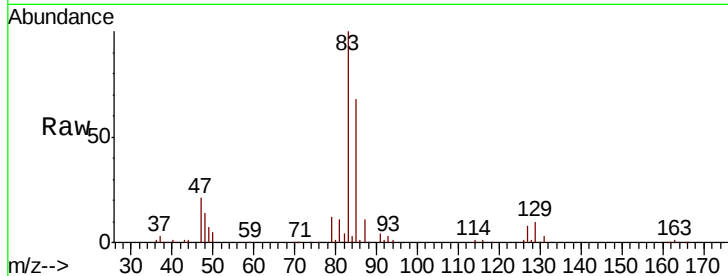
ClientSampleId :

VY1014SBS01

Tot Ion:	83	Resp:	94820
Ion Ratio	Lower	Upper	
83	100		
85	67.9	52.2	78.2
127	7.8	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#48

Methyl methacrylate

Concen: 19.242 ug/l

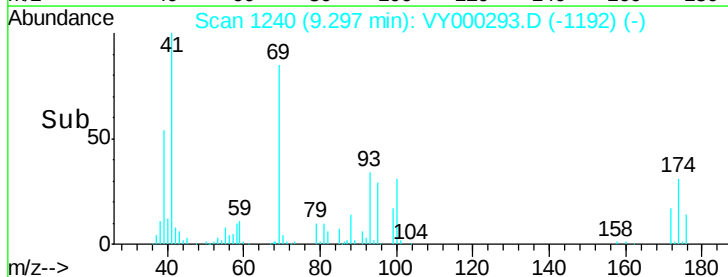
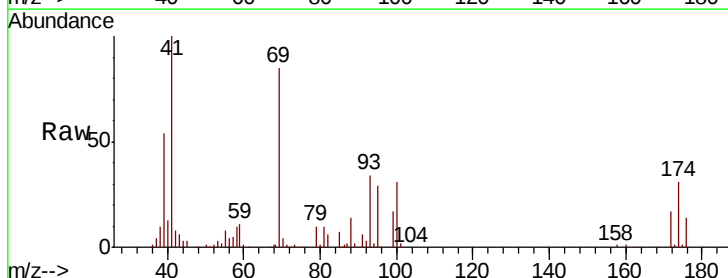
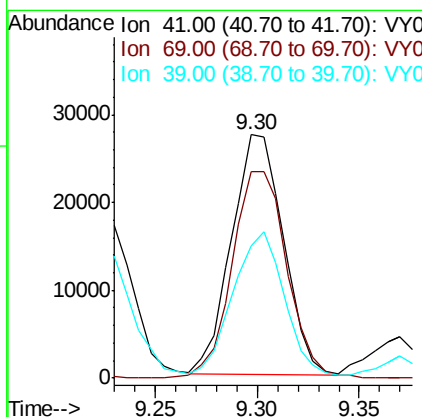
RT: 9.30 min Scan# 1240

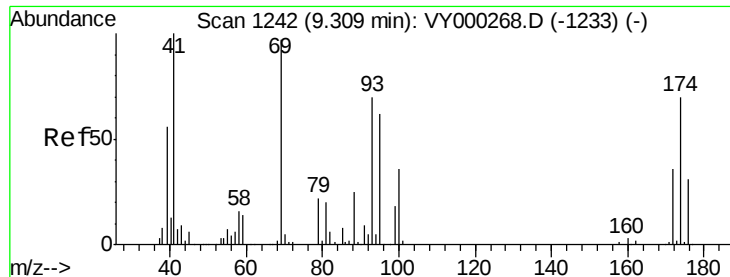
Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion:	41	Resp:	48538
Ion Ratio	Lower	Upper	
41	100		
69	90.4	70.0	105.0
39	61.5	47.7	71.5





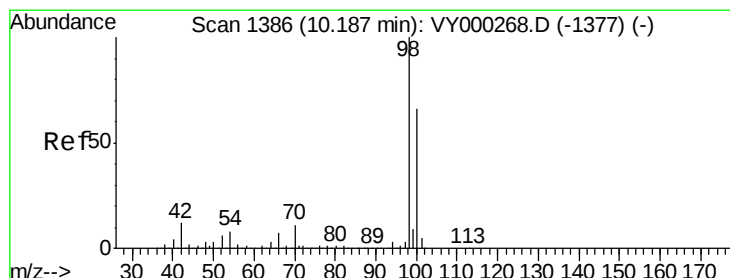
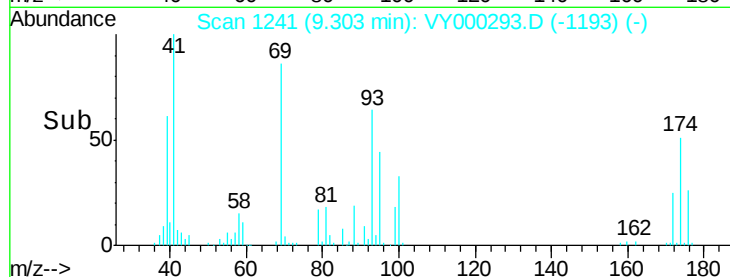
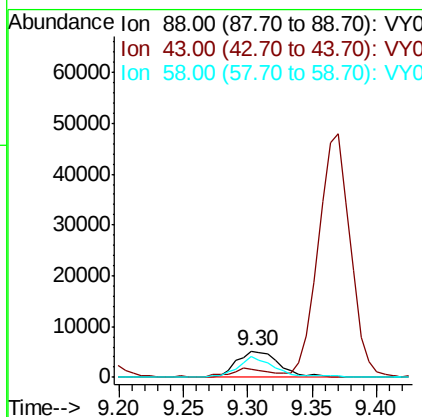
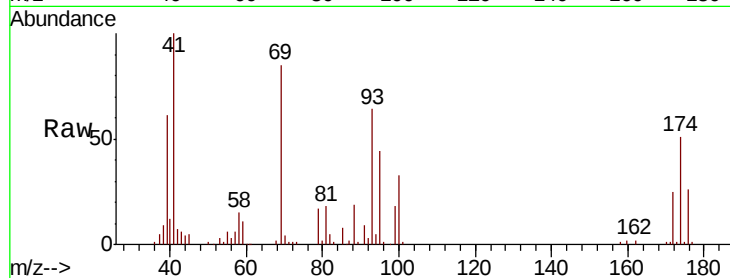
#49
1,4-Dioxane
Concen: 387.021 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.6	38.4
58	70.0	54.6	81.8

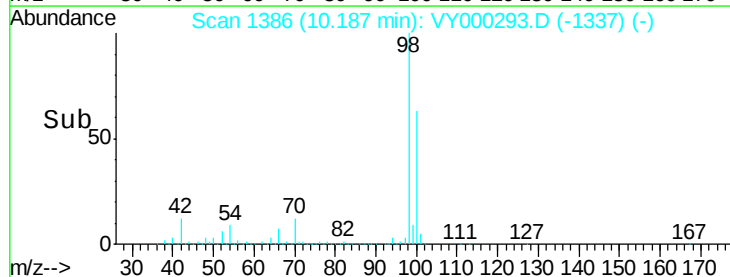
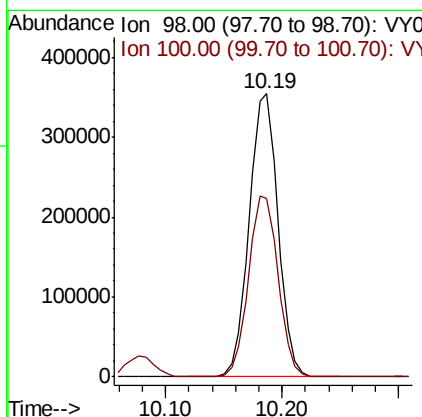
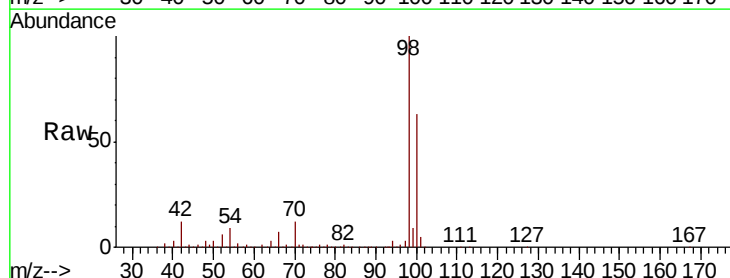
Manual Integrations
APPROVED

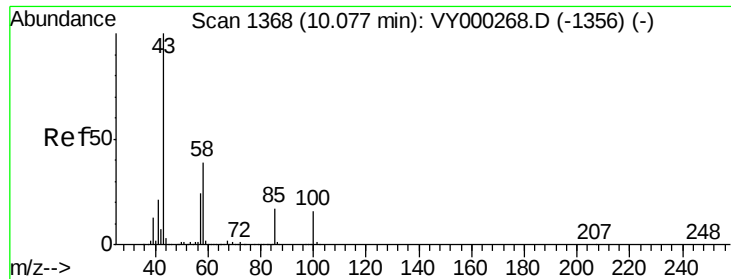
MMDadoda
10/16/2019 12:53:09 AM



#50
Toluene-d8
Concen: 50.663 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 97.029 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 43 Resp: 288045

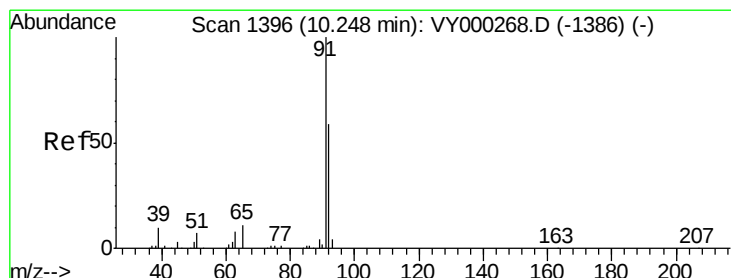
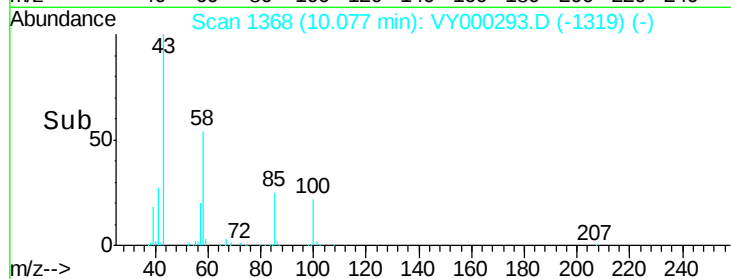
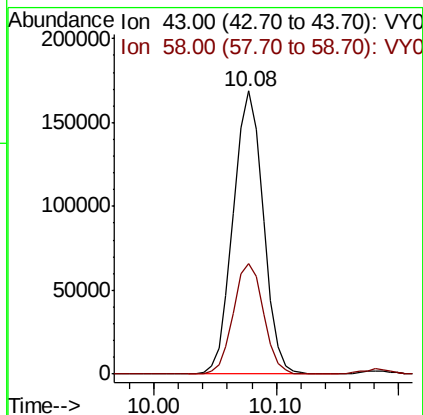
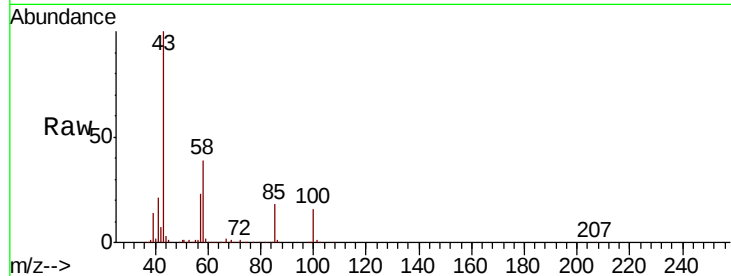
Ion Ratio Lower Upper

43 100

58 39.1 31.0 46.6

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#52

Toluene

Concen: 19.045 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000293.D

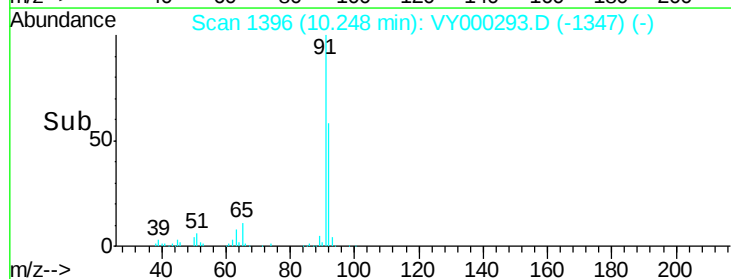
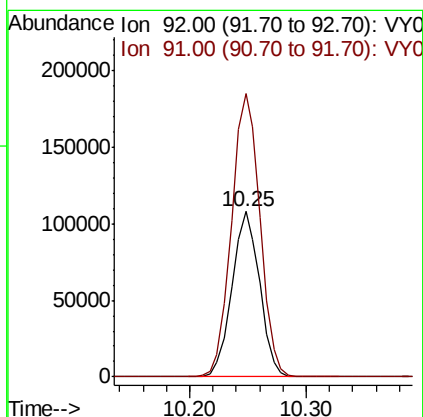
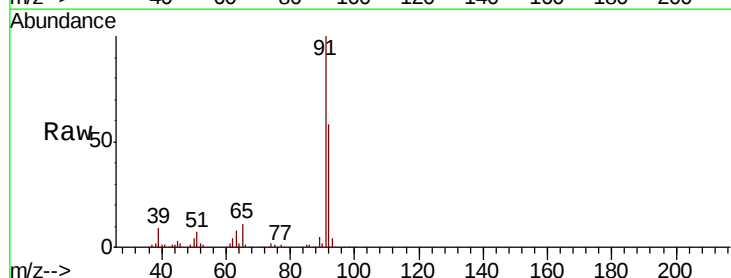
Acq: 14 Oct 2019 12:54

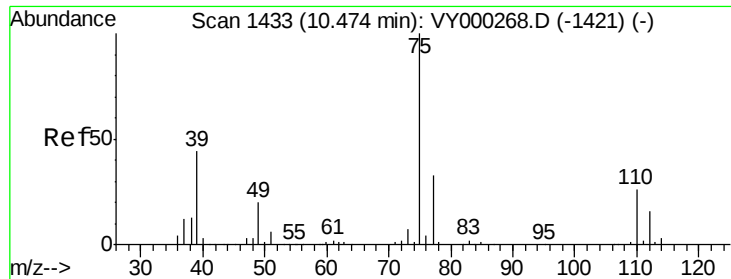
Tgt Ion: 92 Resp: 178636

Ion Ratio Lower Upper

92 100

91 176.1 136.6 205.0





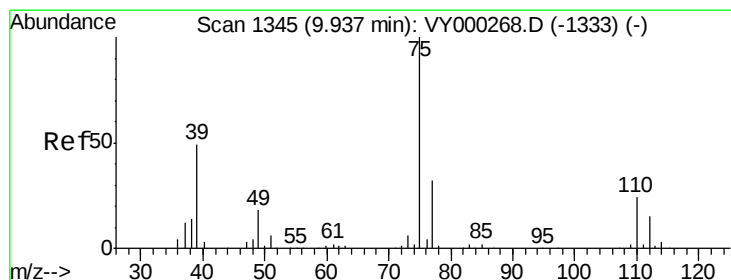
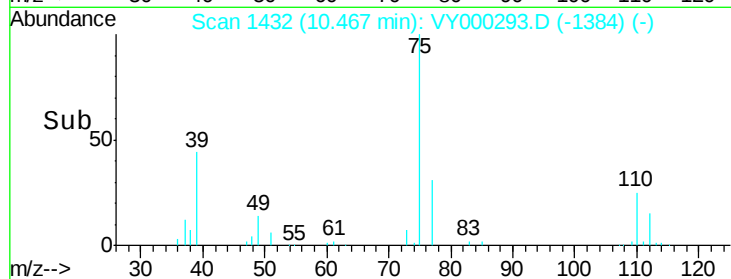
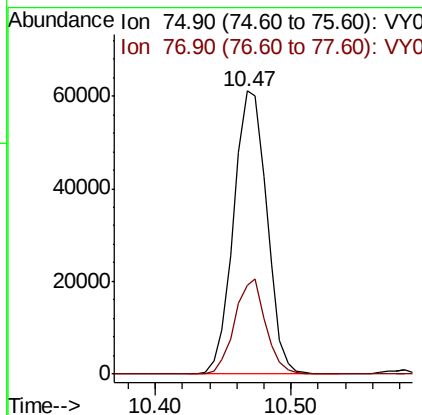
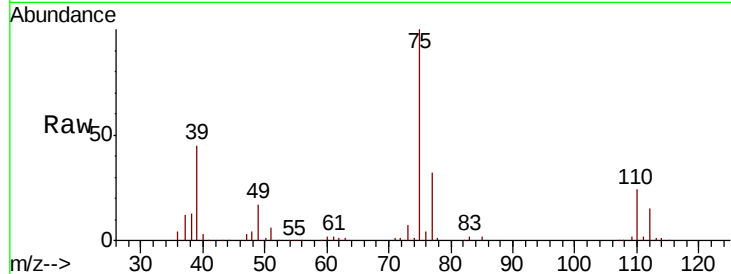
#53
t-1,3-Dichloropropene
Concen: 20.329 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion: 75 Resp: 104064
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0

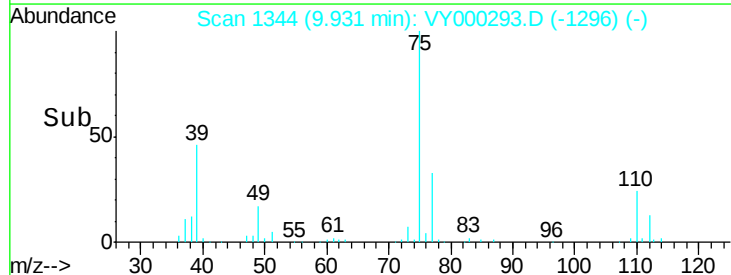
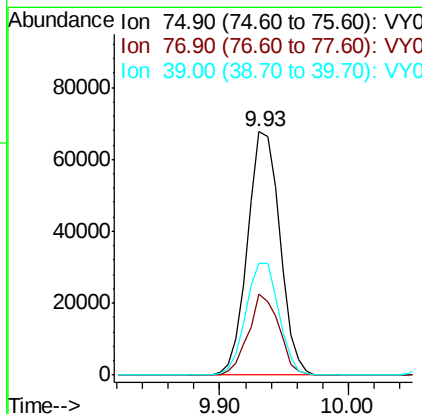
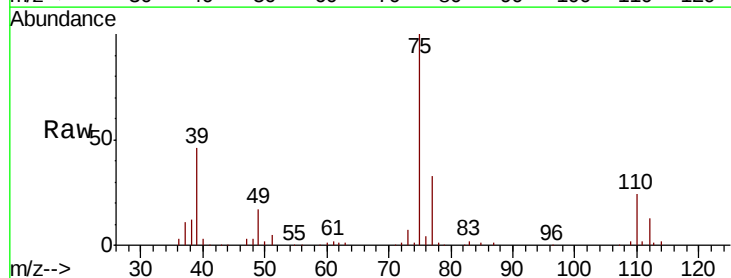
Manual Integrations
APPROVED

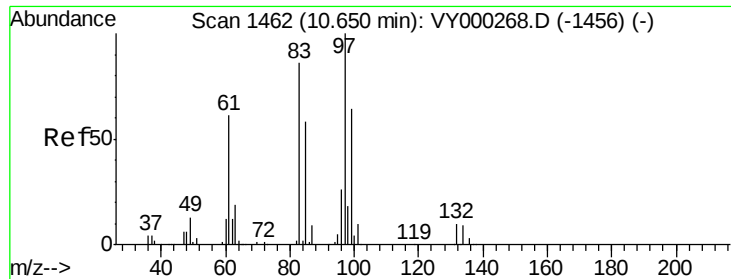
MMDadoda
10/16/2019 12:53:09 AM



#54
cis-1,3-Dichloropropene
Concen: 20.150 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 75 Resp: 117139
Ion Ratio Lower Upper
75 100
77 33.3 26.0 39.0
39 45.8 38.8 58.2





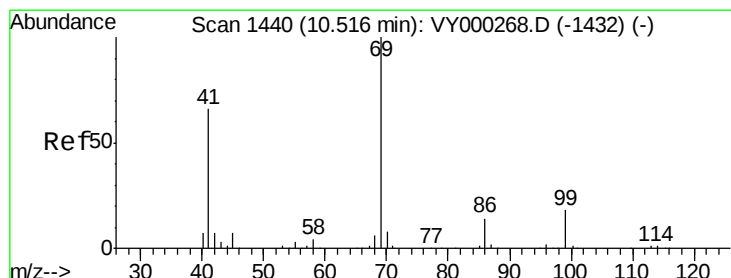
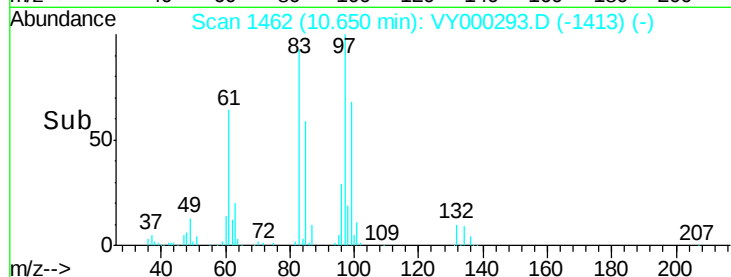
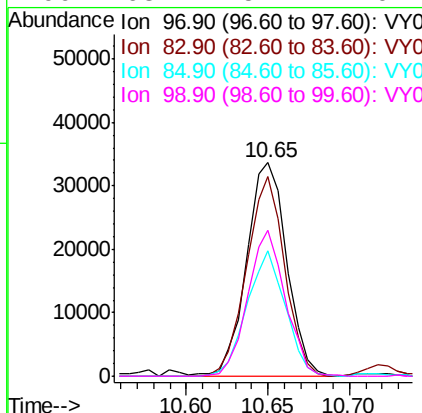
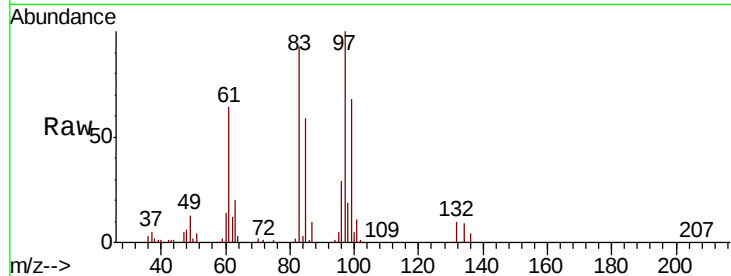
#55
 1,1,2-Trichloroethane
 Concen: 19.490 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57435		
83	93.5	69.0	103.6		
85	59.2	46.2	69.4		
99	68.7	51.1	76.7		

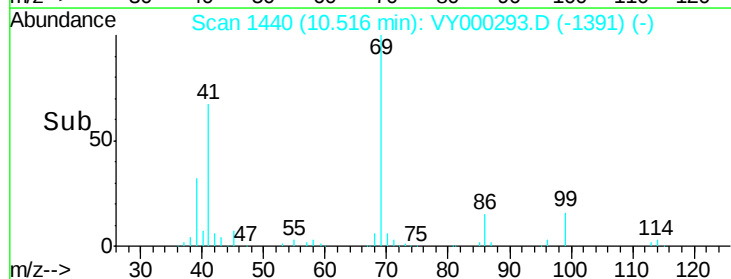
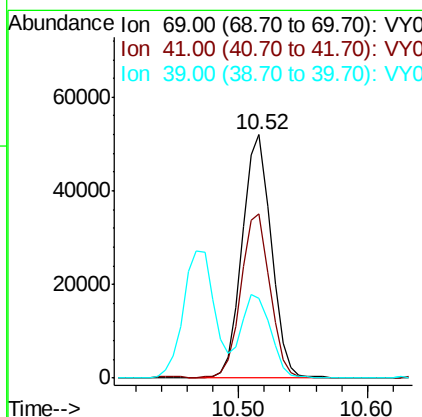
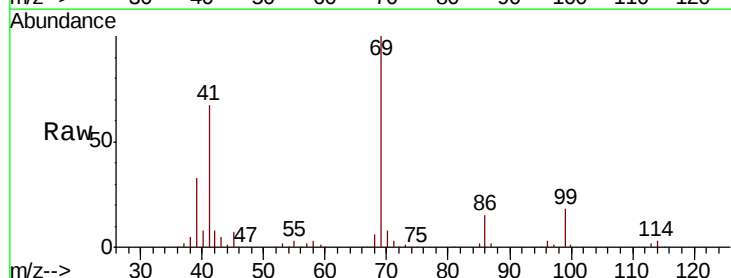
Manual Integrations
 APPROVED

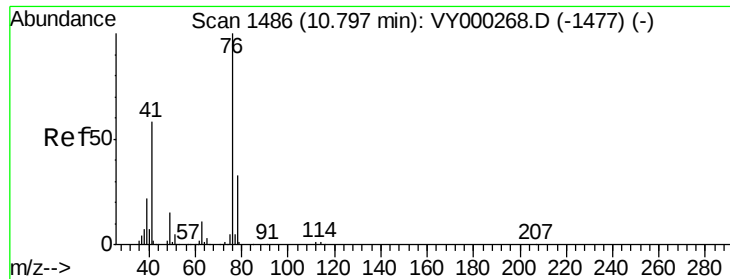
MMDadoda
 10/16/2019 12:53:09 AM



#56
 Ethyl methacrylate
 Concen: 19.295 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		81044		
41	67.0	52.5	78.7		
39	34.4	26.7	40.1		





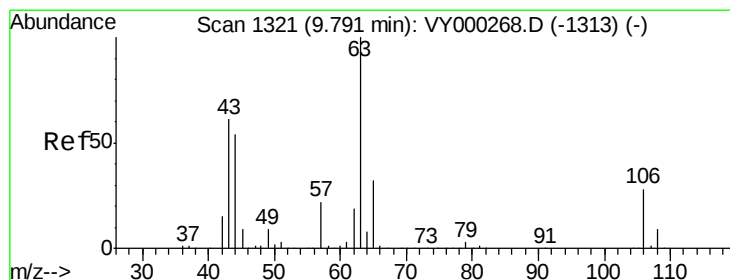
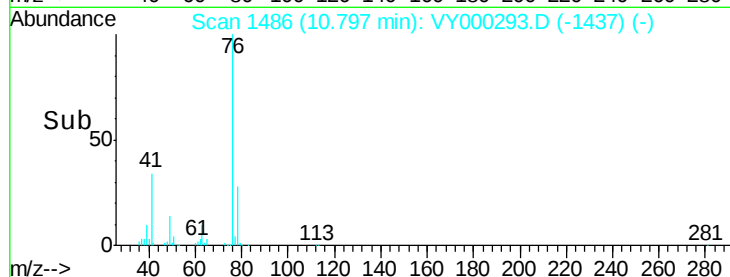
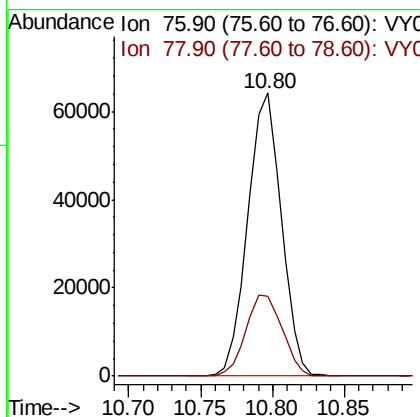
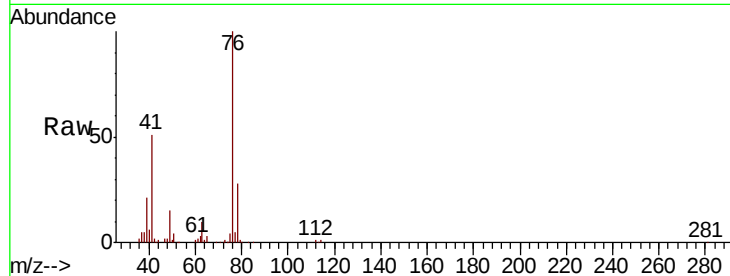
#57
 1,3-Dichloropropane
 Concen: 20.434 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.2	39.2

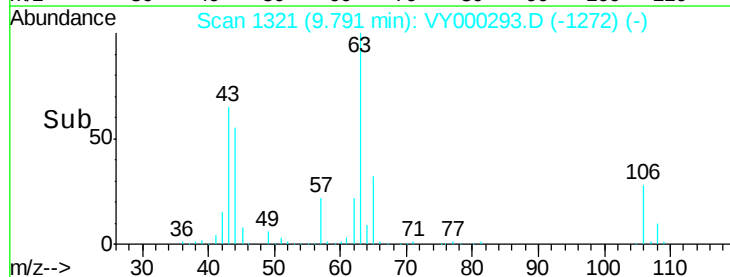
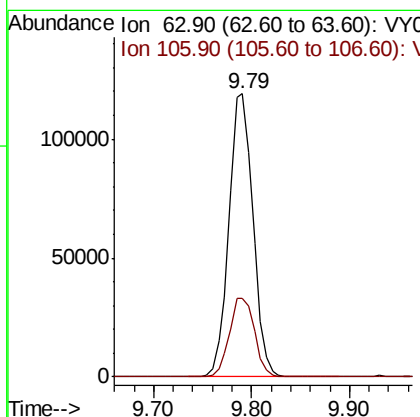
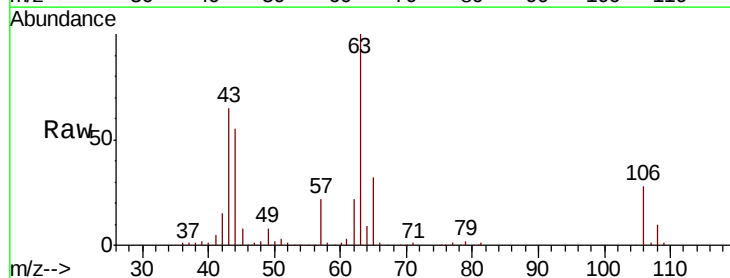
Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:53:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.969 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.4





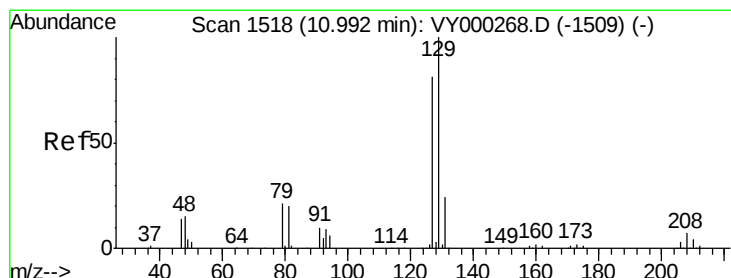
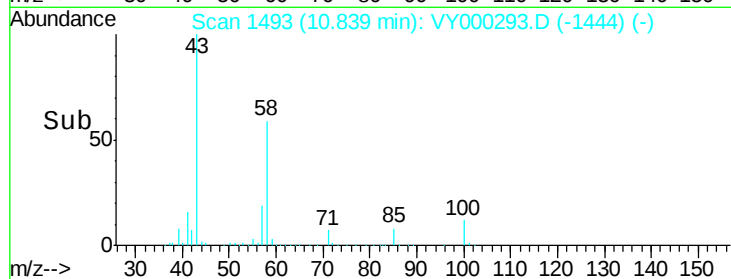
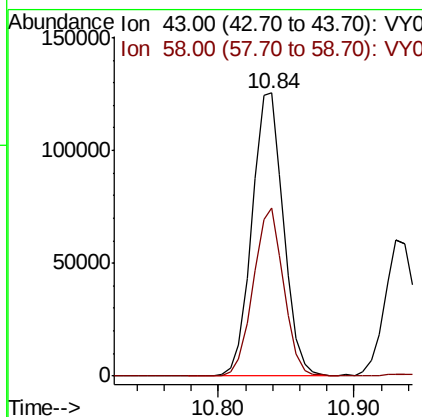
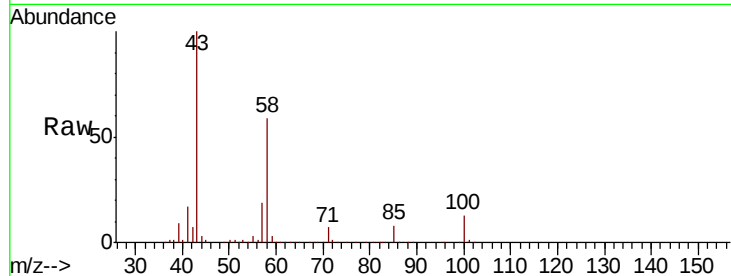
#59
2-Hexanone
Concen: 98.271 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion: 43 Resp: 204770
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.1

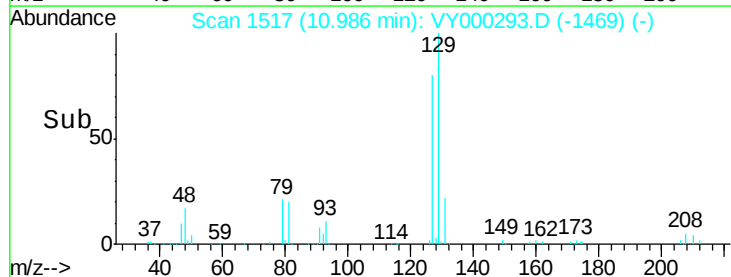
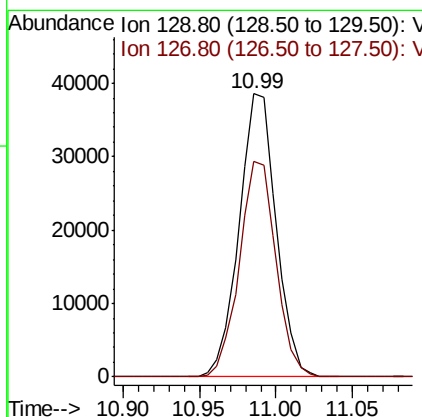
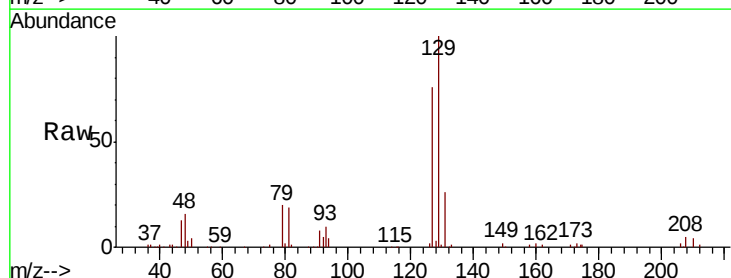
Manual Integrations
APPROVED

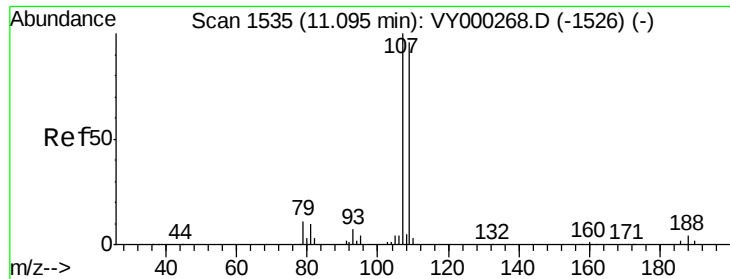
MMDadoda
10/16/2019 12:53:09 AM



#60
Dibromochloromethane
Concen: 19.834 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 129 Resp: 64781
Ion Ratio Lower Upper
129 100
127 75.3 39.9 119.7





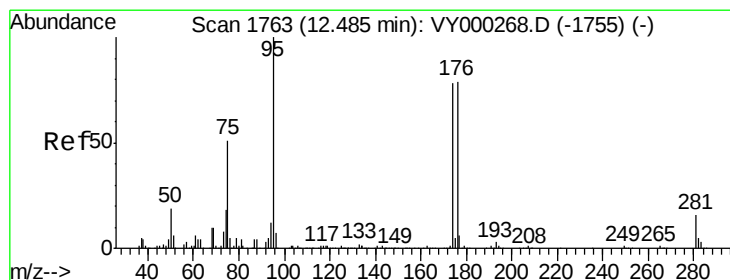
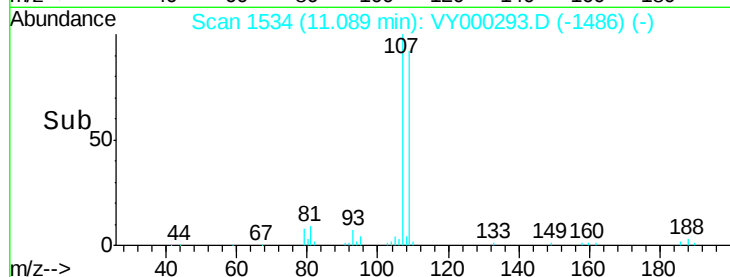
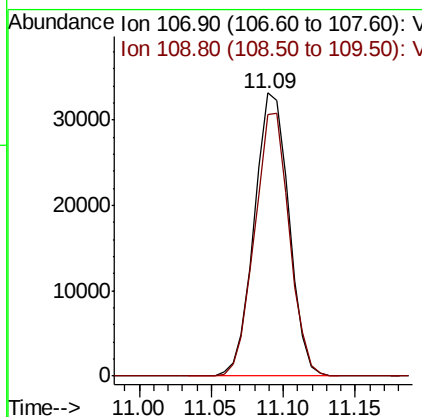
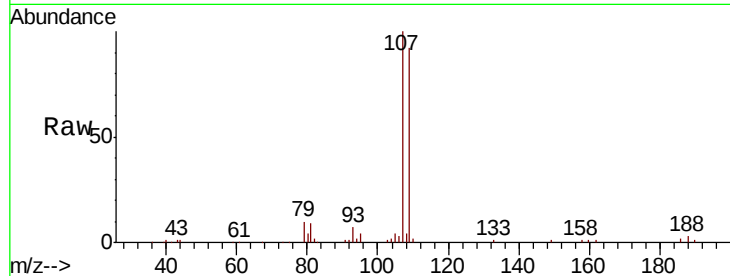
#61
 1,2-Dibromoethane
 Concen: 19.412 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.1	112.7

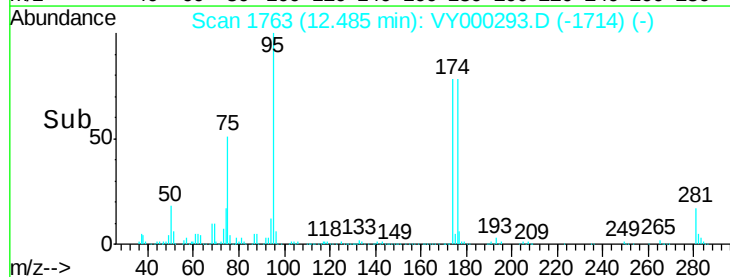
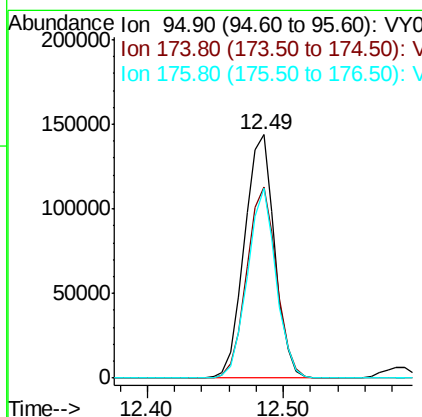
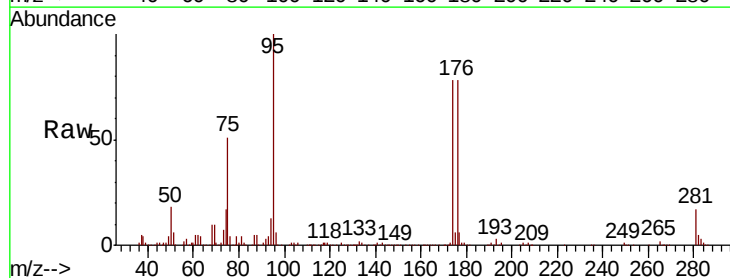
Manual Integrations
 APPROVED

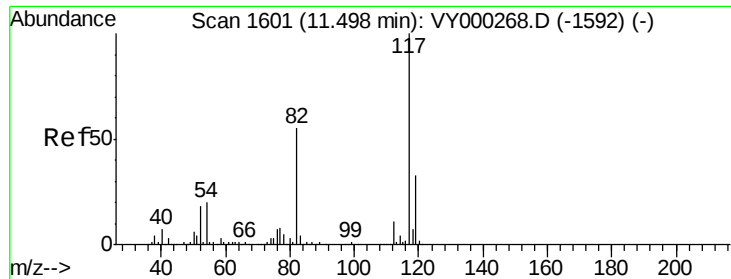
MMDadoda
 10/16/2019 12:53:09 AM



#62
 4-Bromofluorobenzene
 Concen: 48.456 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	159.6
176	74.0	0.0	153.8





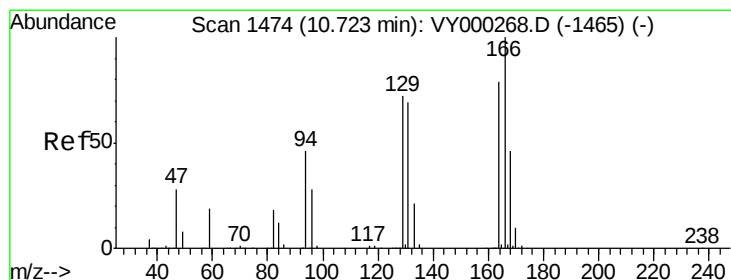
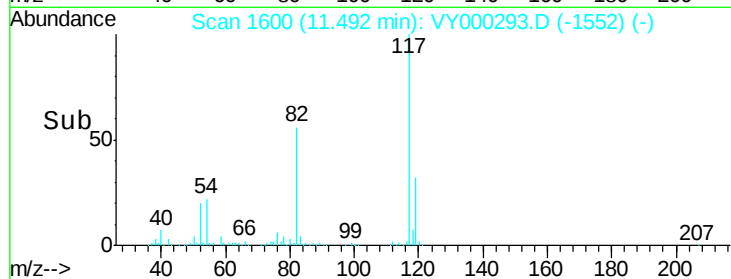
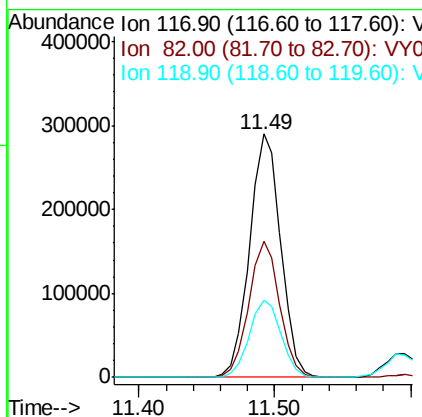
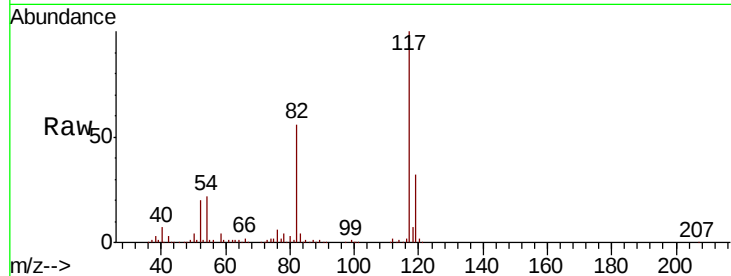
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	465882		
82	55.8	43.7	65.5	
119	32.0	26.6	39.8	

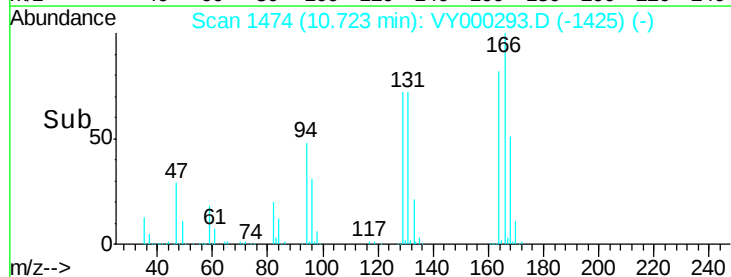
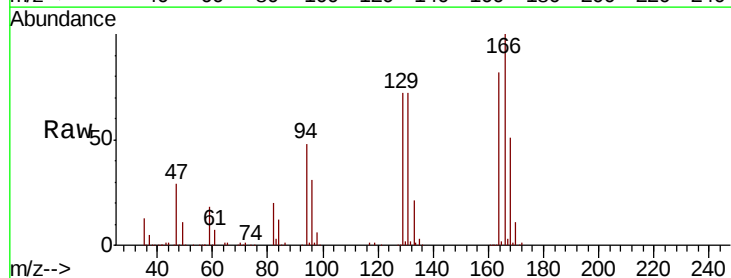
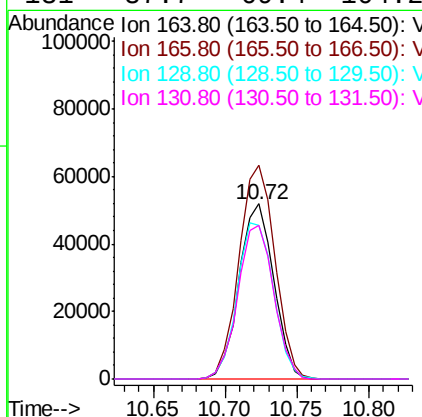
Manual Integrations
APPROVED

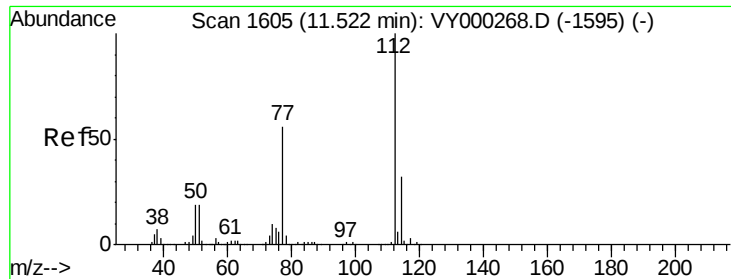
MMDadoda
10/16/2019 12:53:09 AM



#64
Tetrachloroethene
Concen: 19.583 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86855		
166	121.9	100.6	151.0	
129	87.7	72.8	109.2	
131	87.7	69.4	104.2	





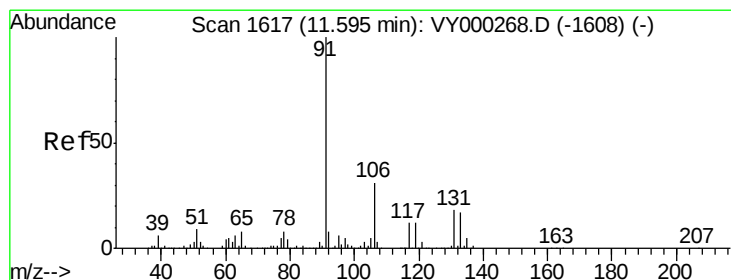
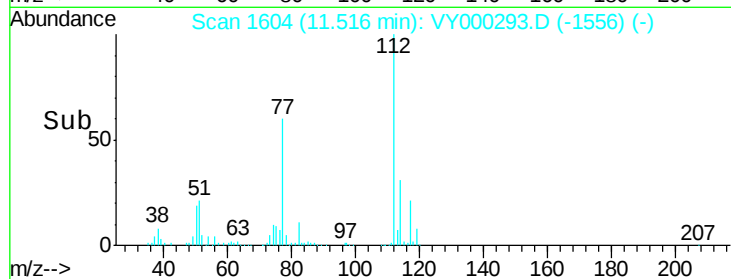
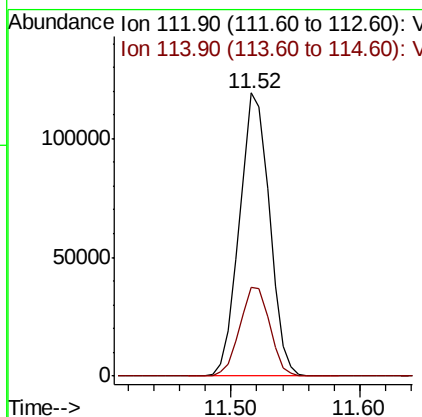
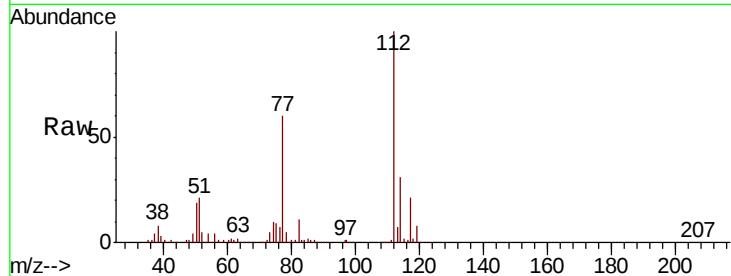
#65
Chlorobenzene
Concen: 19.551 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.7	38.5

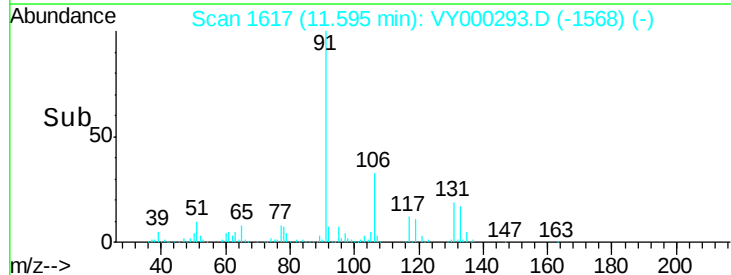
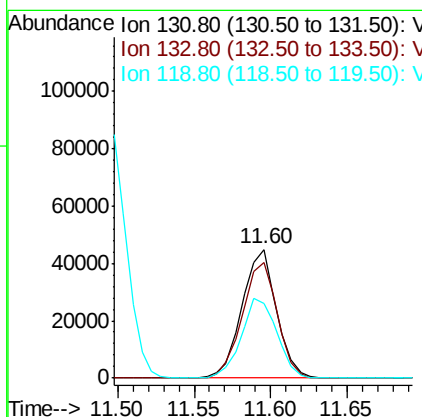
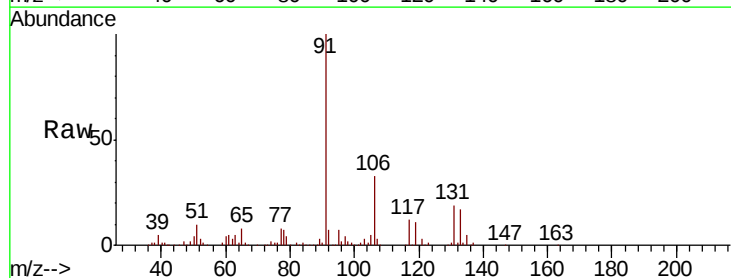
Manual Integrations
APPROVED

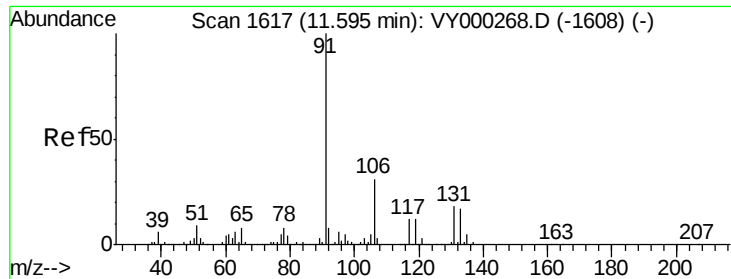
MMDadoda
10/16/2019 12:53:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.218 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.1	47.2	141.6
119	64.3	32.6	98.0





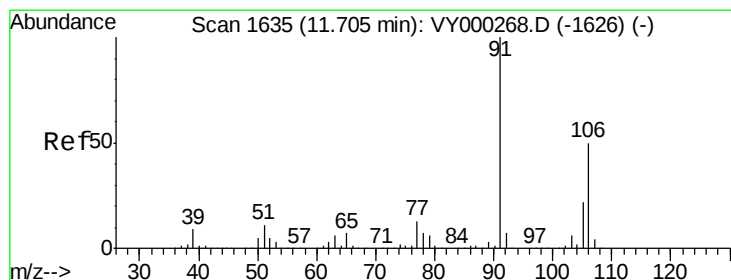
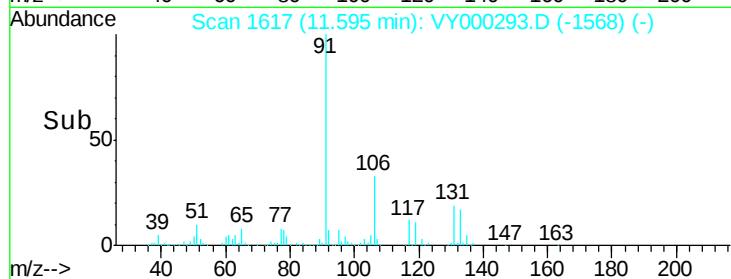
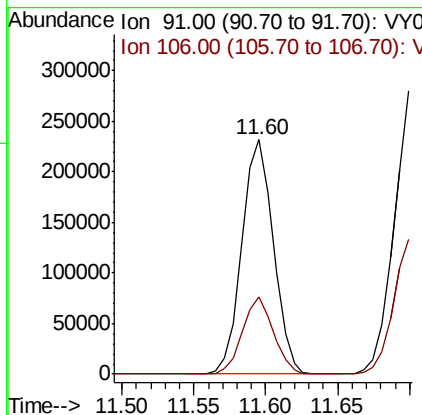
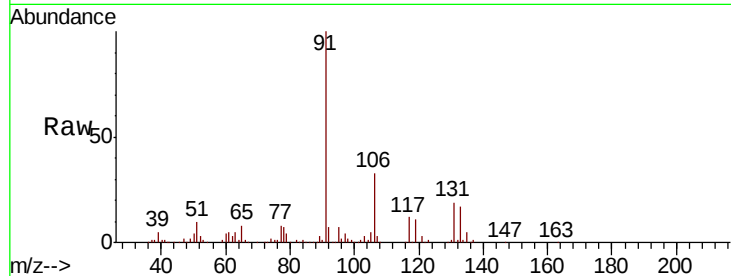
#67
Ethyl Benzene
Concen: 19.302 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion: 91 Resp: 351816
Ion Ratio Lower Upper
91 100
106 32.9 25.0 37.6

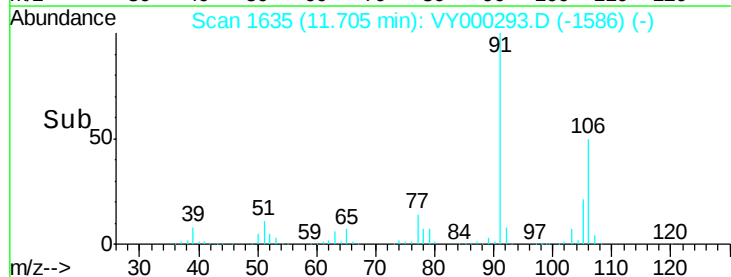
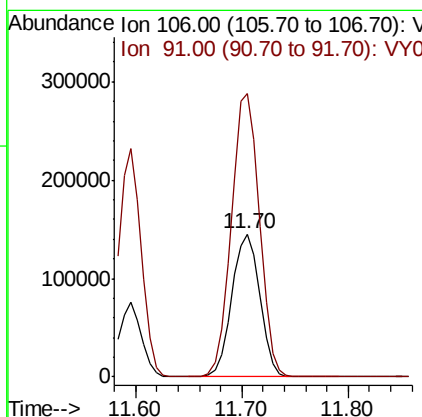
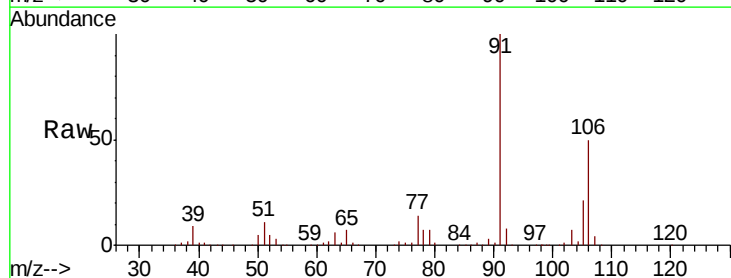
Manual Integrations
APPROVED

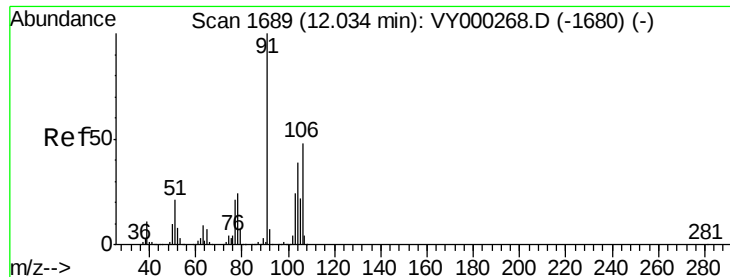
MMDadoda
10/16/2019 12:53:09 AM



#68
m/p-Xylenes
Concen: 38.539 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 106 Resp: 268527
Ion Ratio Lower Upper
106 100
91 198.4 157.5 236.3





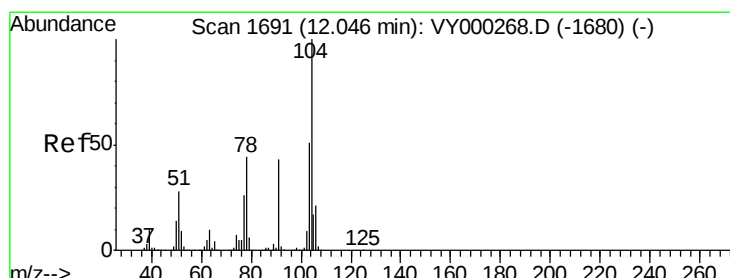
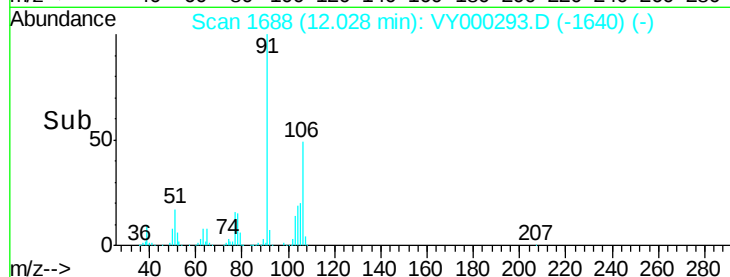
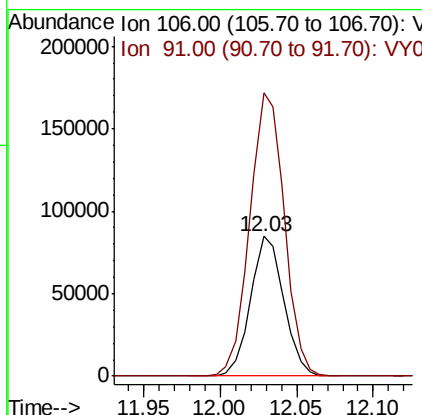
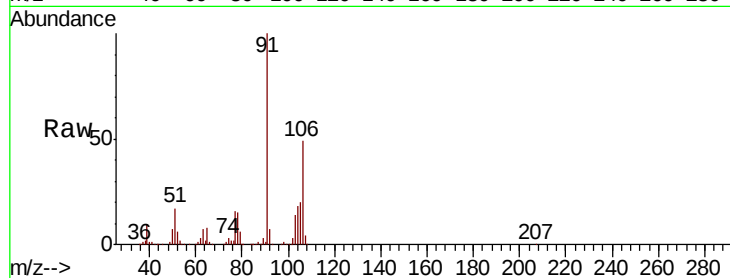
#69
o-Xylene
Concen: 19.249 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	127951		
91	91	211.1	104.7	313.9	

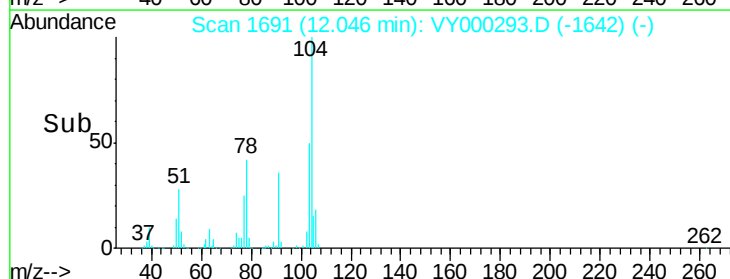
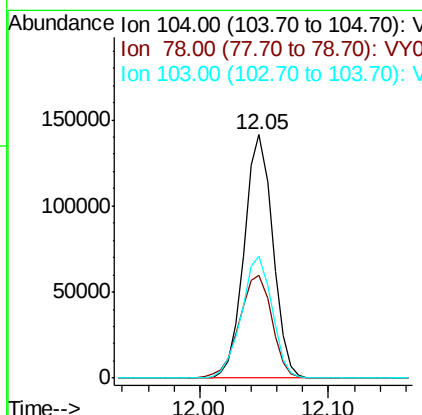
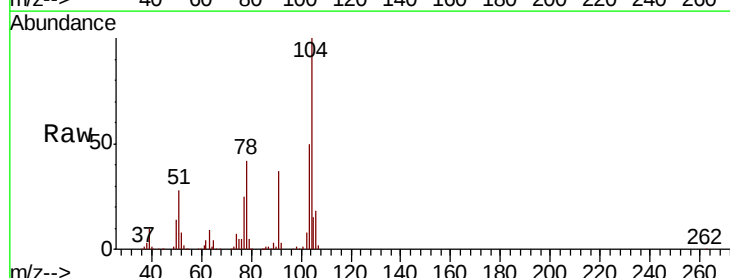
Manual Integrations
APPROVED

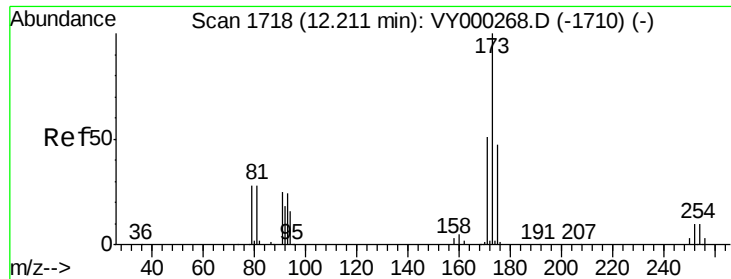
MMDadoda
10/16/2019 12:53:09 AM



#70
Styrene
Concen: 19.313 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	216500		
78	78	48.5	39.0	58.6	
103	103	53.7	43.1	64.7	





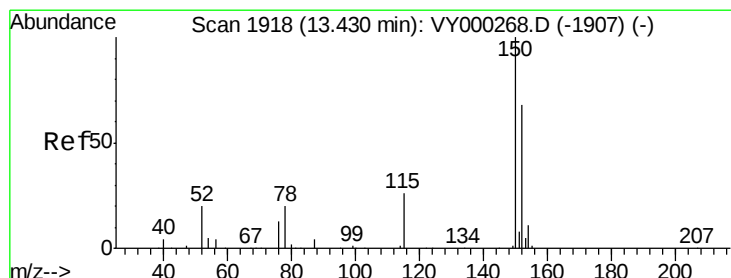
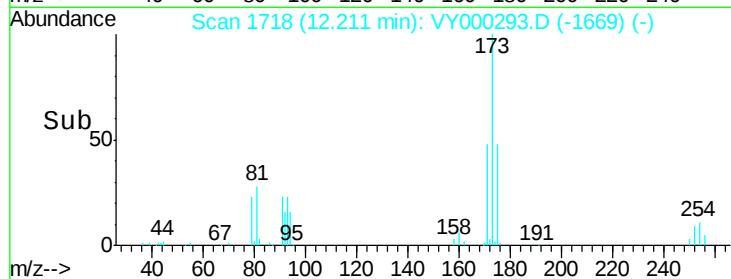
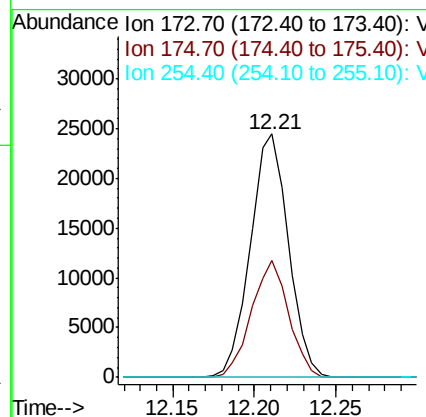
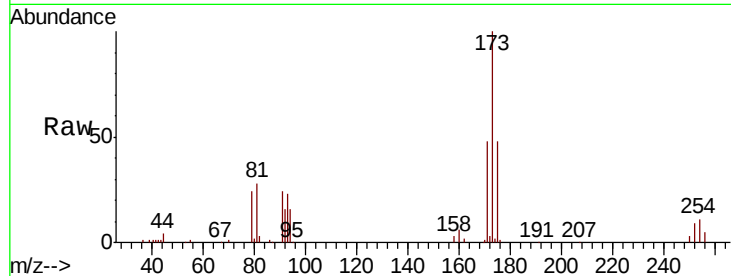
#71
Bromoform
Concen: 20.034 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.1	0.1#

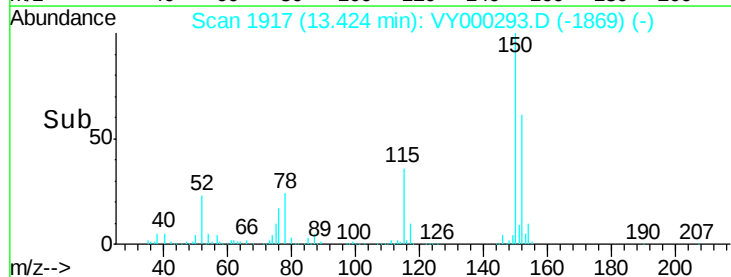
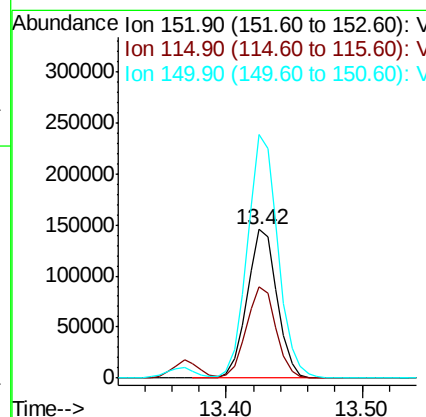
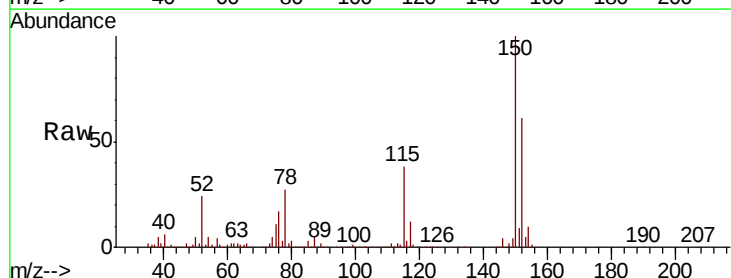
Manual Integrations
APPROVED

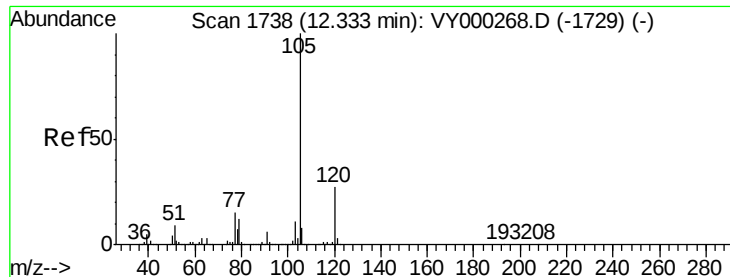
MMDadoda
10/16/2019 12:53:09 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.3	88.0
150	166.7	0.0	348.4





#73

Isopropylbenzene

Concen: 19.735 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 105 Resp: 344313

Ion Ratio Lower Upper

105 100

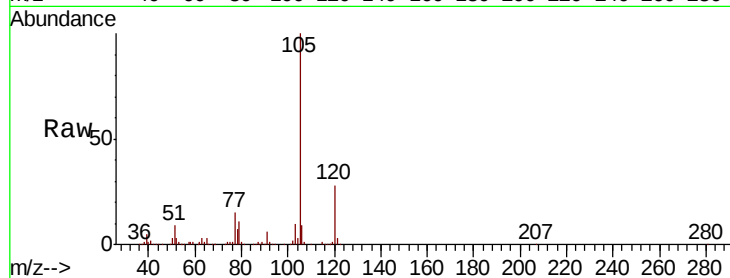
120 27.4 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:53:09 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

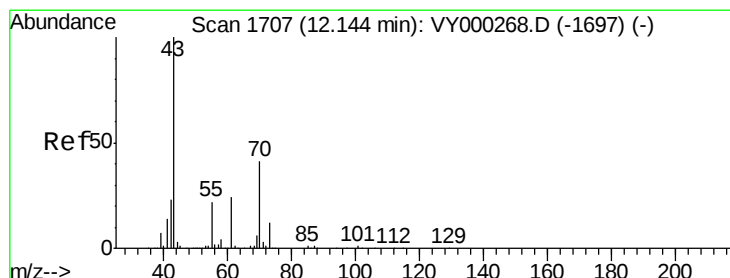
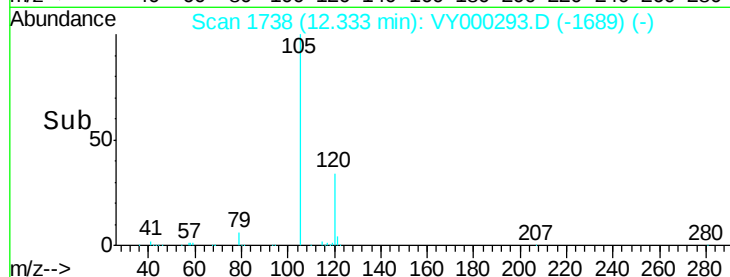
50000

0

12.33

12.40

Time-->



#74

N-ethyl acetate

Concen: 21.402 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion: 43 Resp: 91665

Ion Ratio Lower Upper

43 100

70 42.9 32.9 49.3

55 22.3 17.8 26.6

61 24.1 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

100000

80000

60000

40000

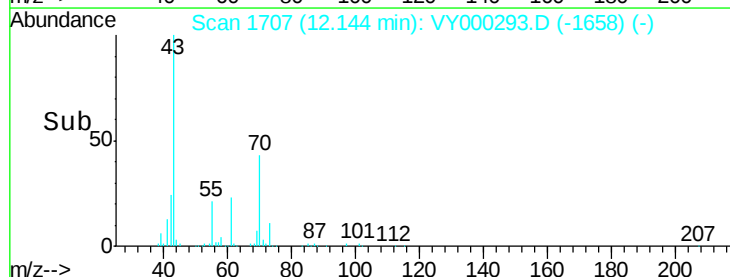
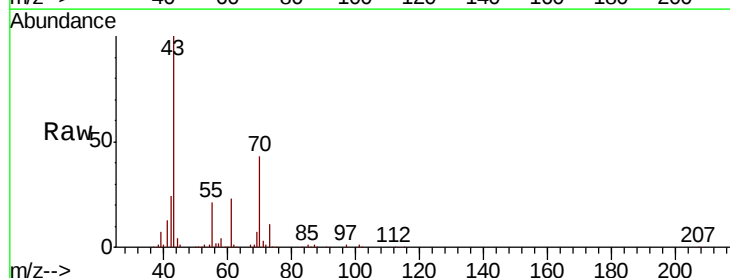
20000

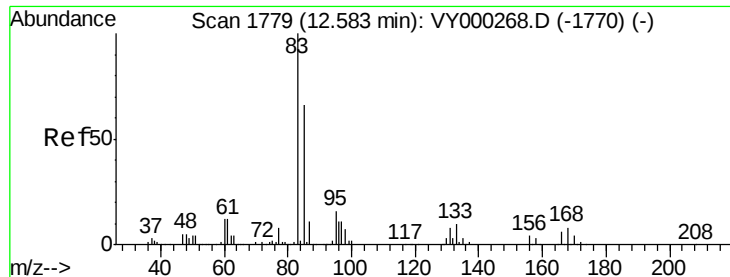
0

12.14

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.361 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

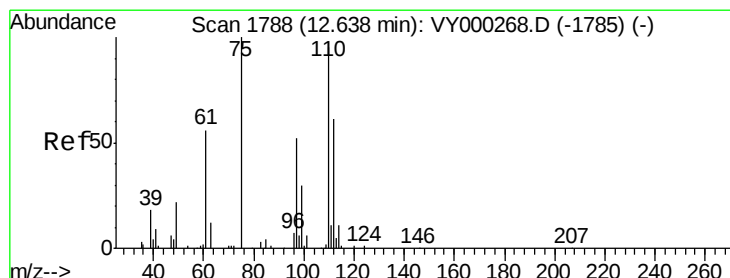
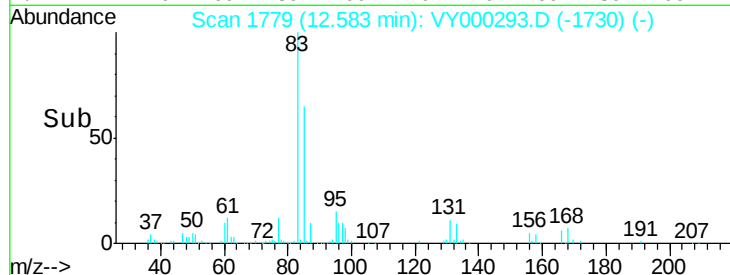
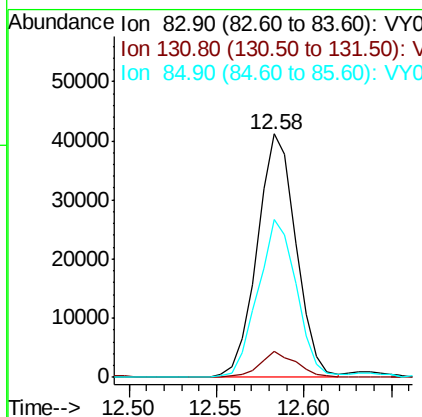
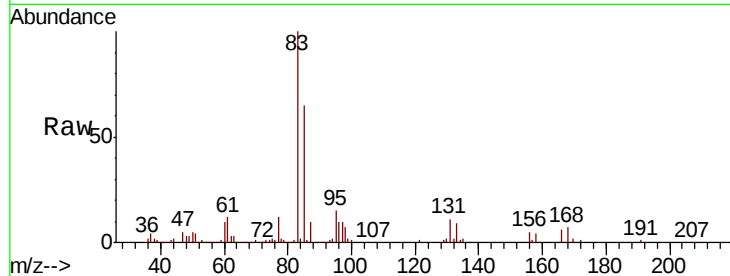
ClientSampleId :

VY1014SBS01

Tot Ion	83	Resp	63419
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.3	16.1
85	64.7	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#76

1,2,3-Trichloropropane

Concen: 20.040 ug/l m

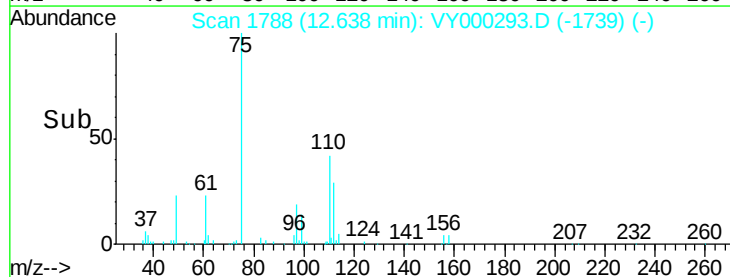
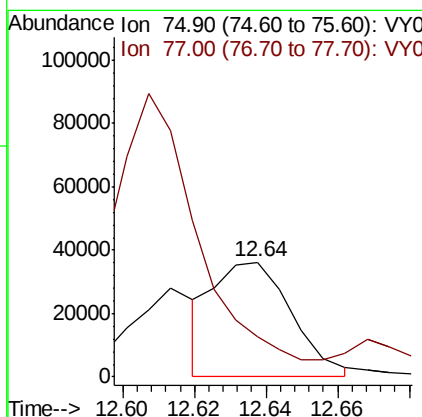
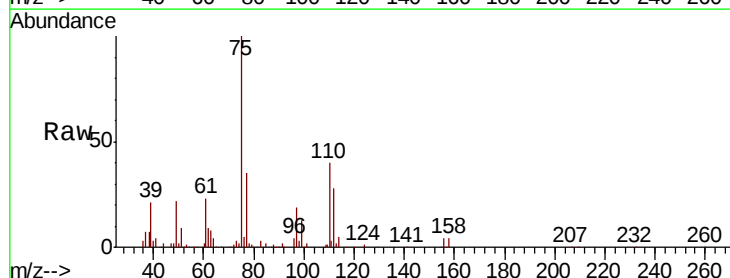
RT: 12.64 min Scan# 1788

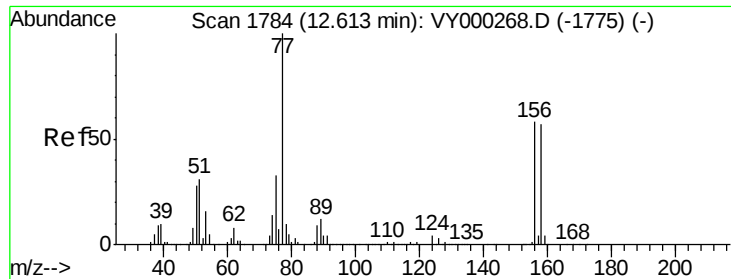
Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion	75	Resp	55137
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.874 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion:156 Resp: 77156

Ion Ratio Lower Upper

156 100

77 201.2 101.0 302.9

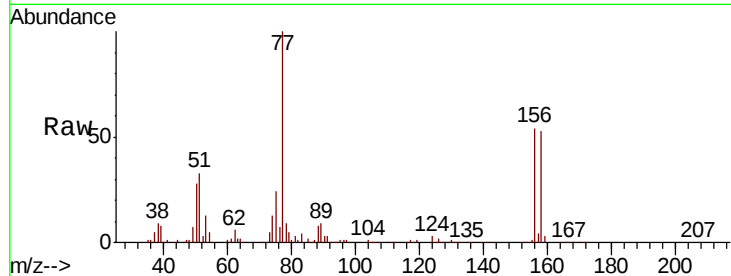
158 97.5 49.7 149.1

Manual Integrations

APPROVED

MMDadoda

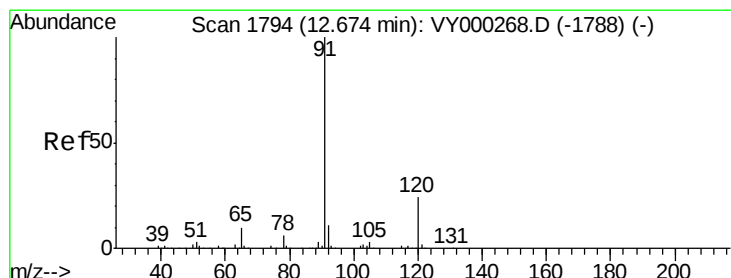
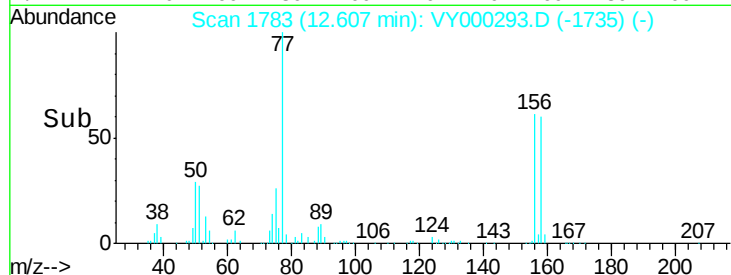
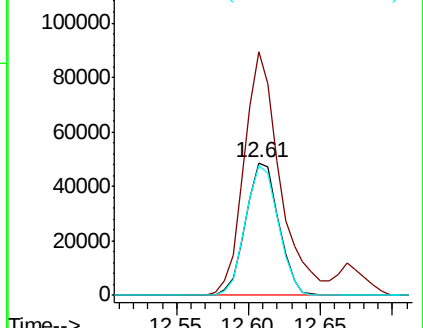
10/16/2019 12:53:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.573 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000293.D

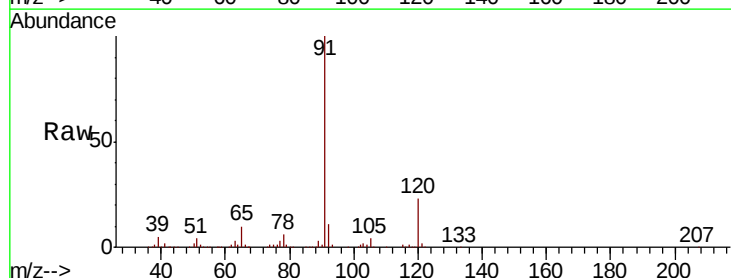
Acq: 14 Oct 2019 12:54

Tgt Ion: 91 Resp: 409998

Ion Ratio Lower Upper

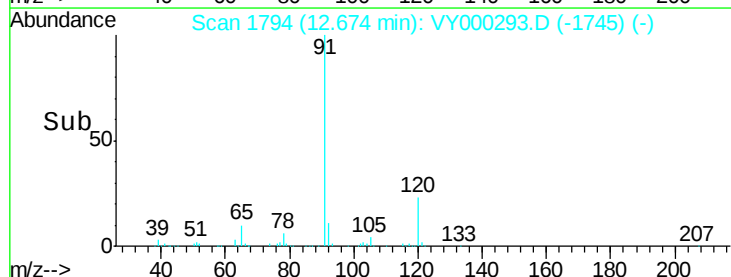
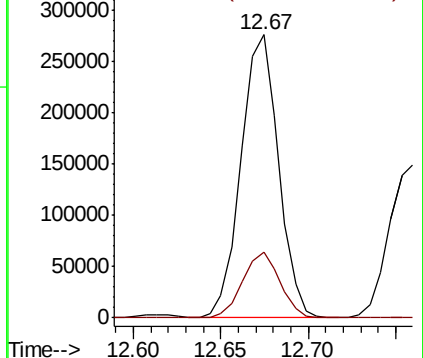
91 100

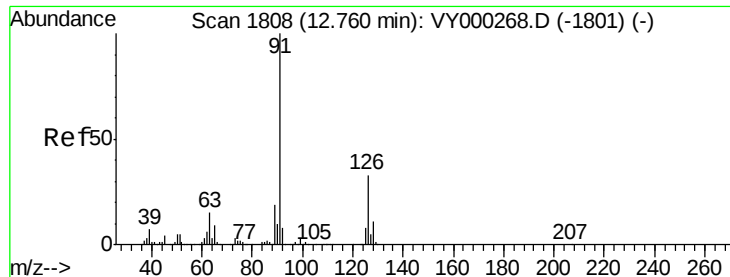
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.147 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBS01

Tot Ion: 91 Resp: 233067

Ion Ratio Lower Upper

91 100

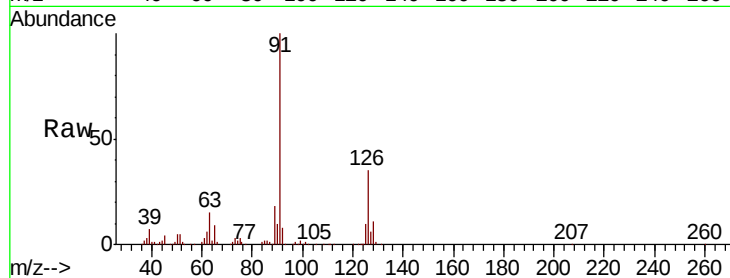
126 34.0 17.1 51.3

Manual Integrations

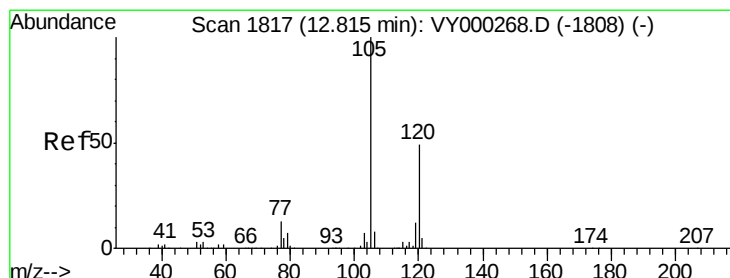
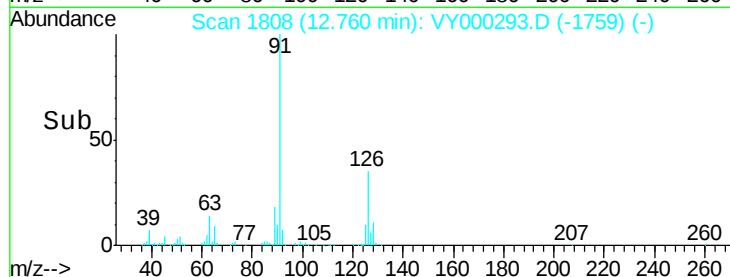
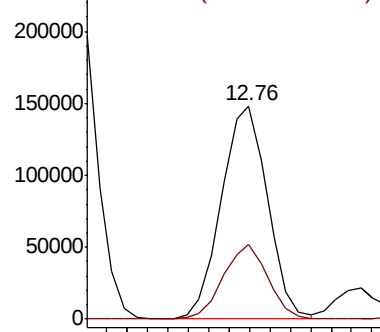
APPROVED

MMDadoda

10/16/2019 12:53:09 AM



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



#80

1,3,5-Trimethylbenzene

Concen: 19.742 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000293.D

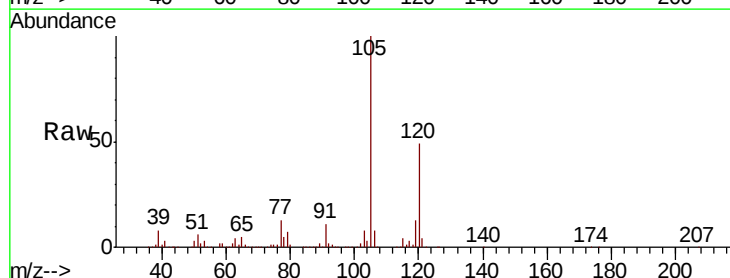
Acq: 14 Oct 2019 12:54

Tgt Ion:105 Resp: 288817

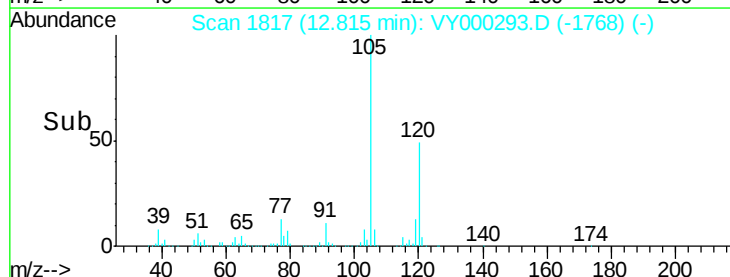
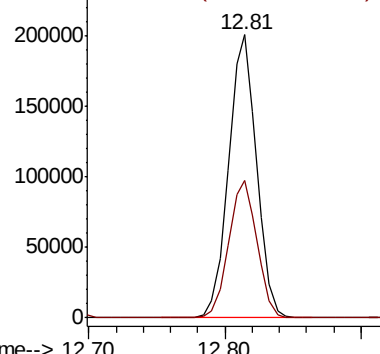
Ion Ratio Lower Upper

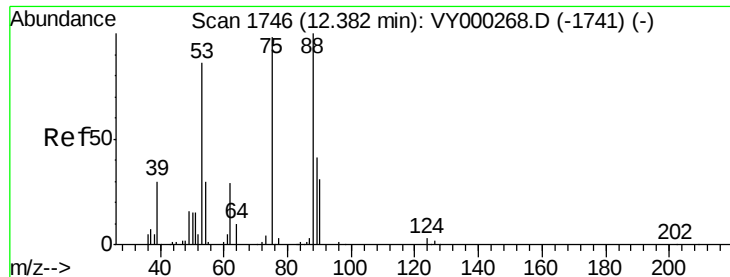
105 100

120 49.3 24.9 74.8



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





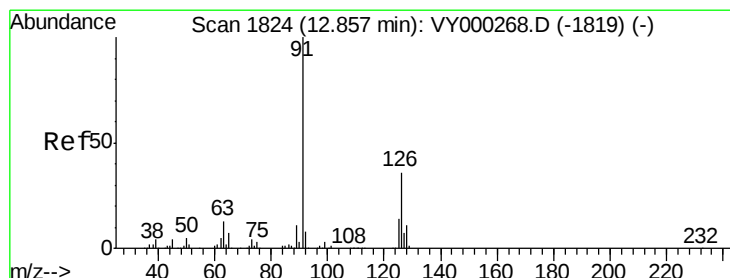
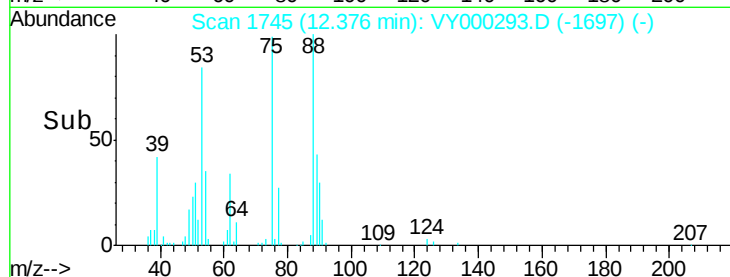
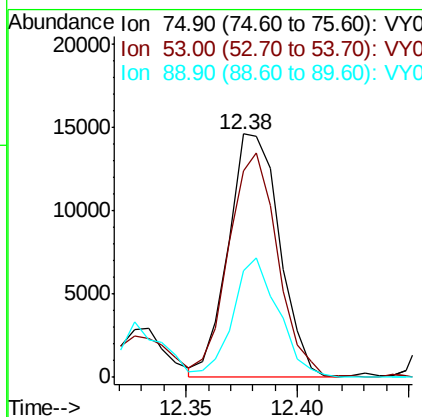
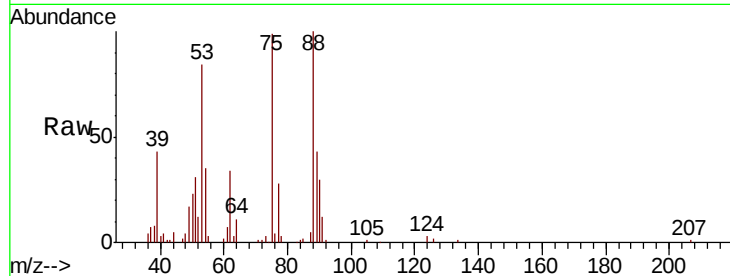
#81
trans-1,4-Dichloro-2-butene
Concen: 18.496 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	71.3	106.9
89	44.1	35.1	52.7

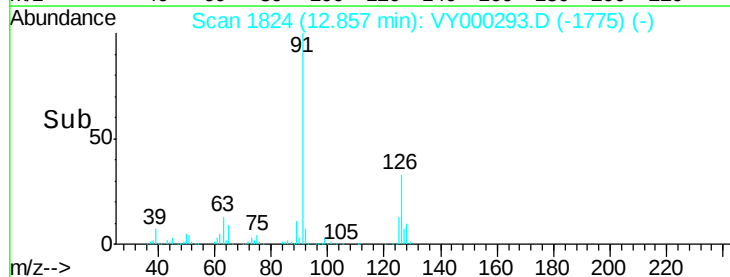
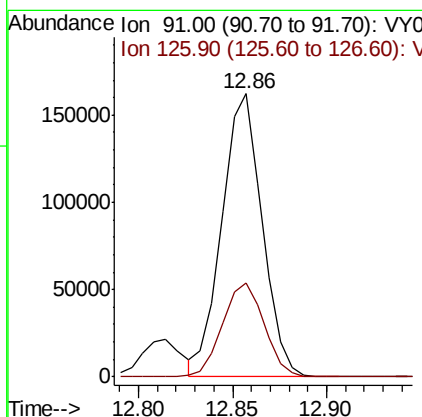
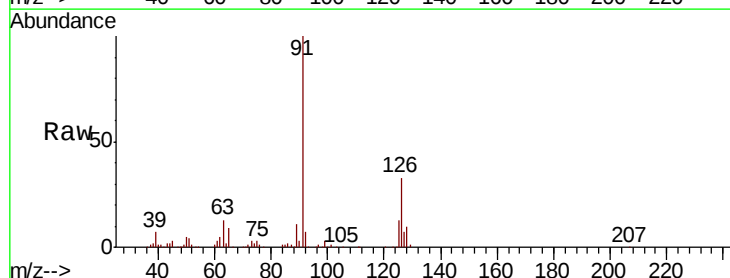
Manual Integrations
APPROVED

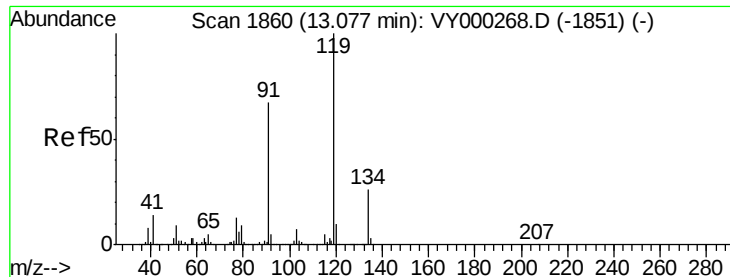
MMDadoda
10/16/2019 12:53:09 AM



#82
4-Chlorotoluene
Concen: 19.652 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.5





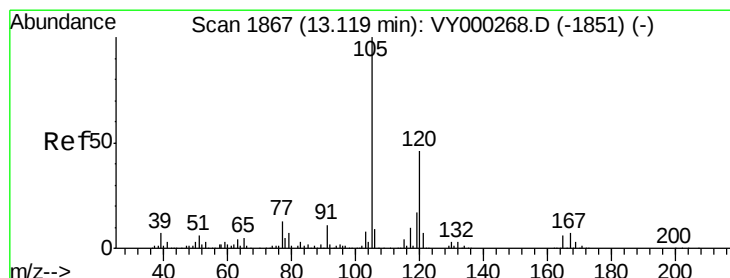
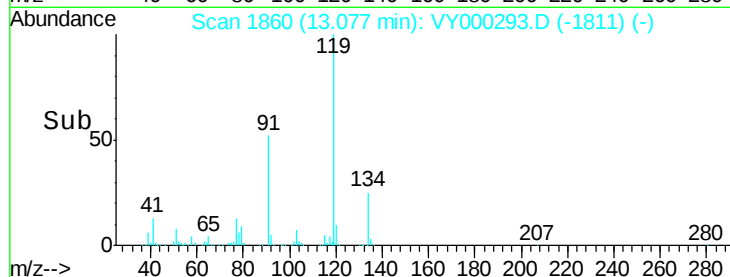
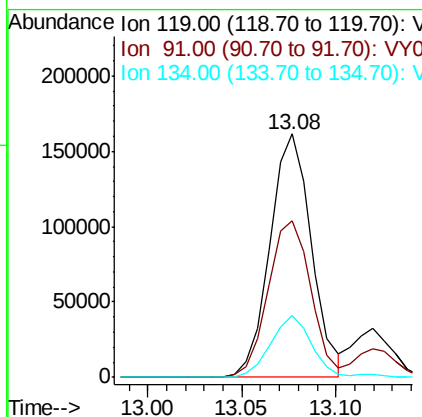
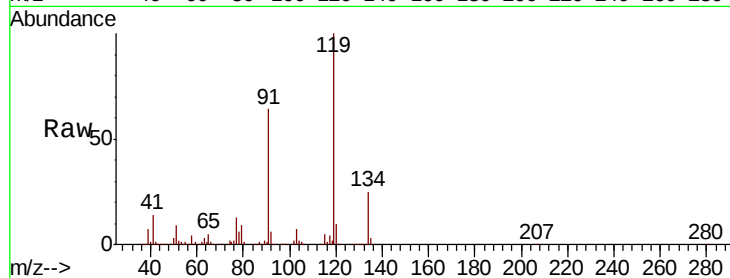
#83
tert-Butylbenzene
Concen: 19.897 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.9	98.7
134	24.8	13.3	39.8

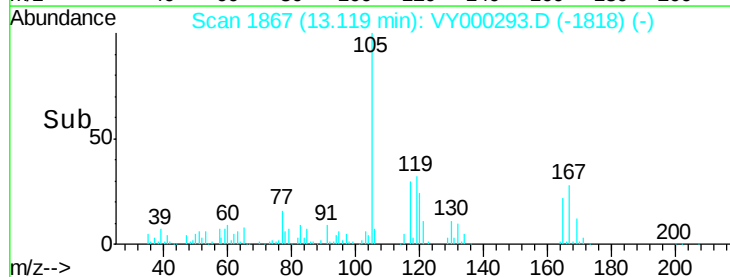
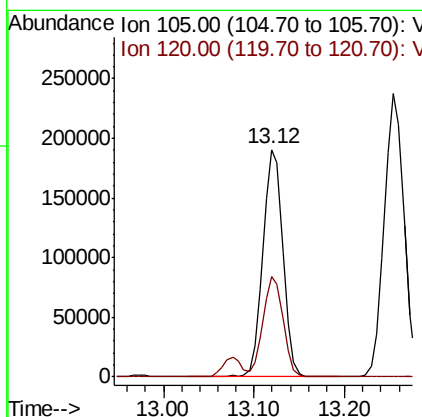
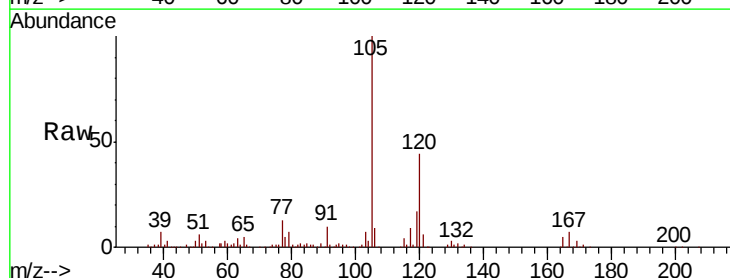
Manual Integrations
APPROVED

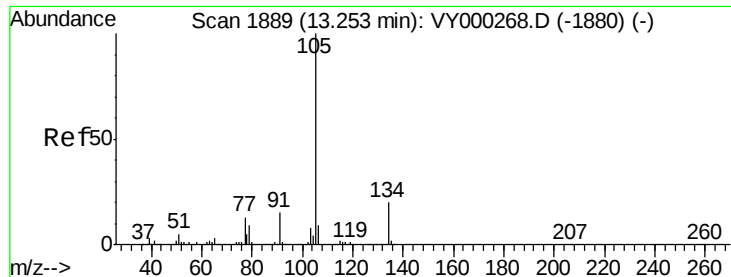
MMDadoda
10/16/2019 12:53:09 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.9	68.8





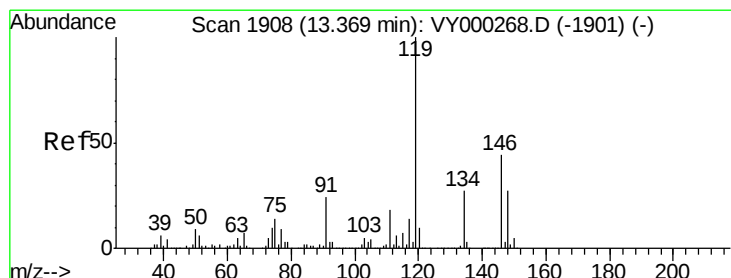
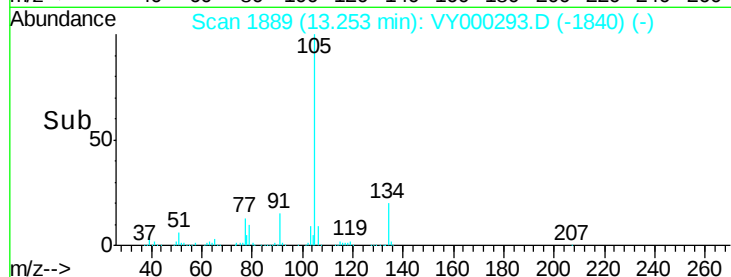
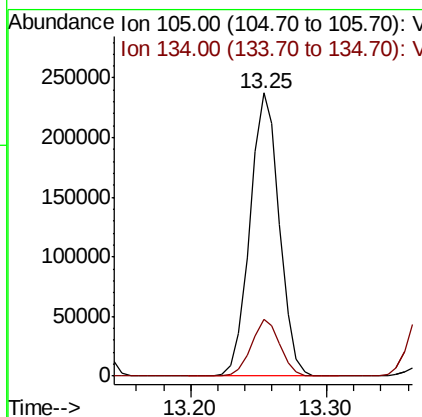
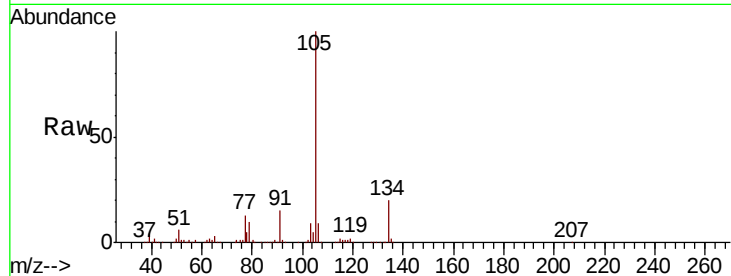
#85
 sec-Butylbenzene
 Concen: 20.016 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1

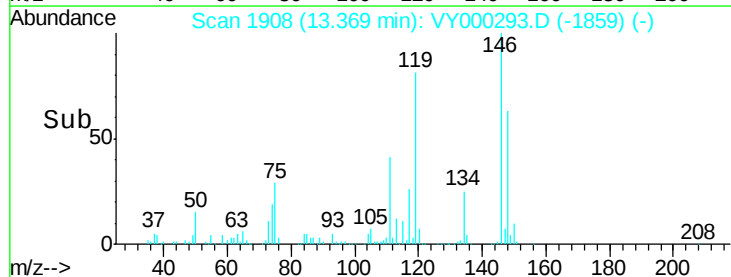
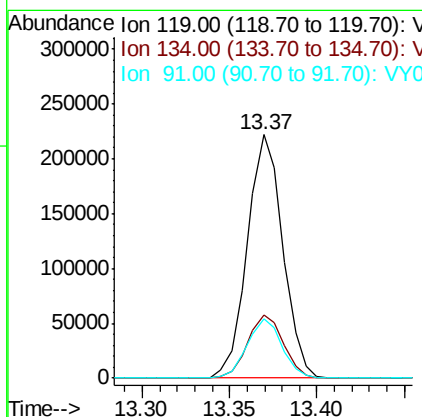
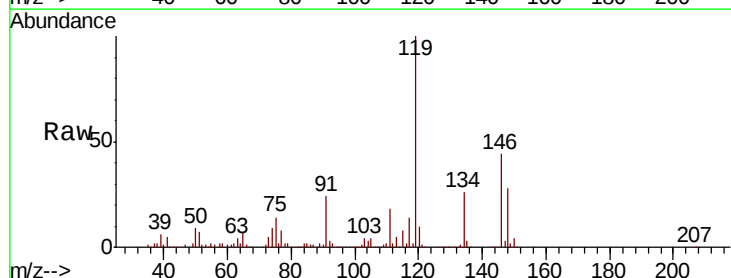
Manual Integrations
 APPROVED

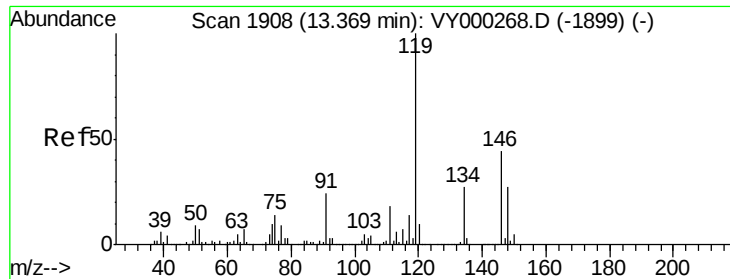
MMDadoda
 10/16/2019 12:53:09 AM



#86
 p-Isopropyltoluene
 Concen: 20.055 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.6	40.8
91	24.0	12.0	36.1





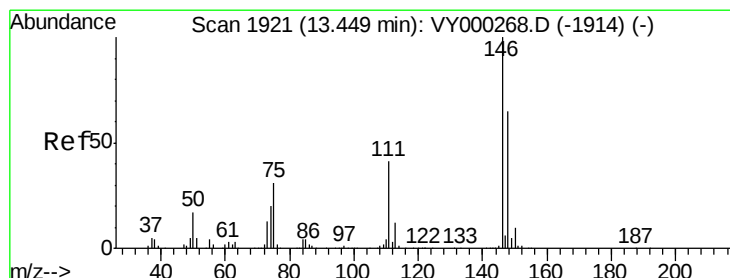
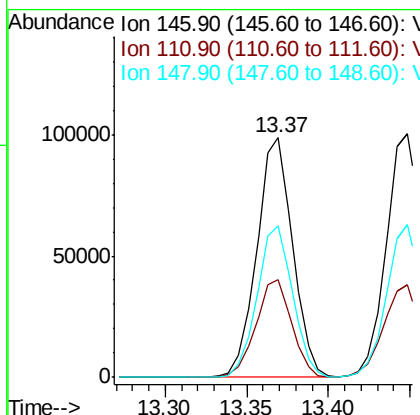
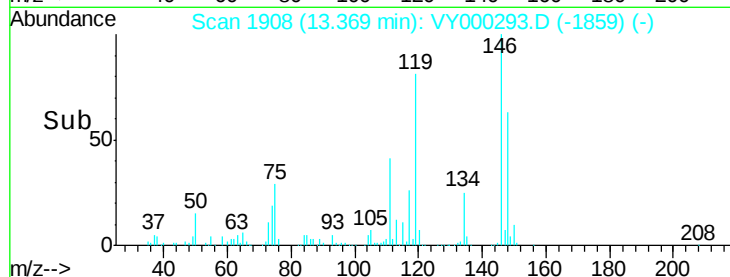
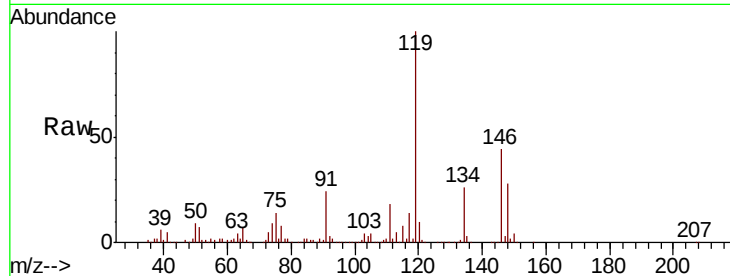
#87
 1,3-Dichlorobenzene
 Concen: 19.596 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149890		
111	41.0	20.6	61.8	
148	62.9	31.9	95.5	

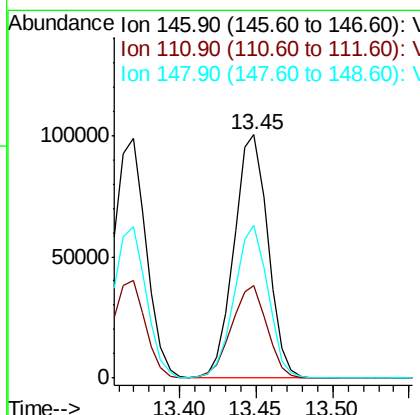
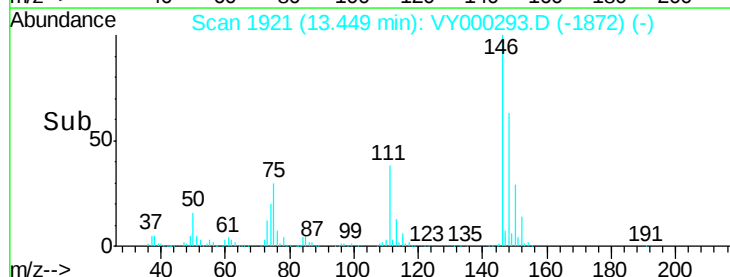
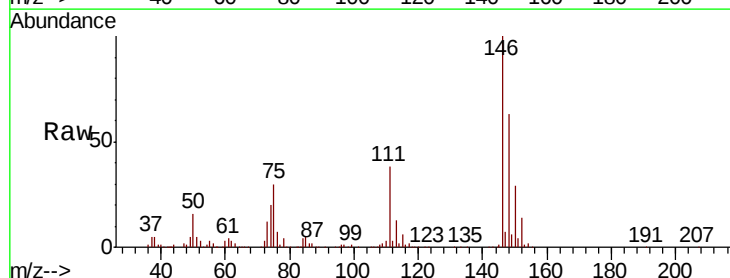
Manual Integrations
 APPROVED

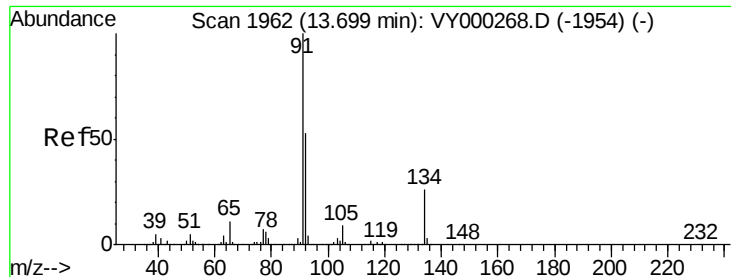
MMDadoda
 10/16/2019 12:53:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.141 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	153988		
111	40.0	20.1	60.2	
148	62.3	32.4	97.2	





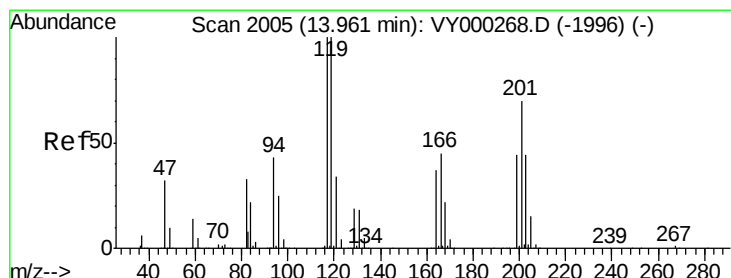
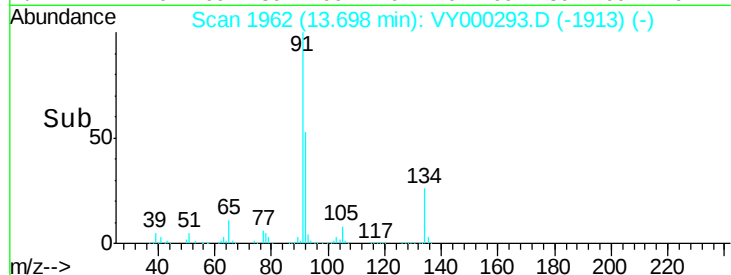
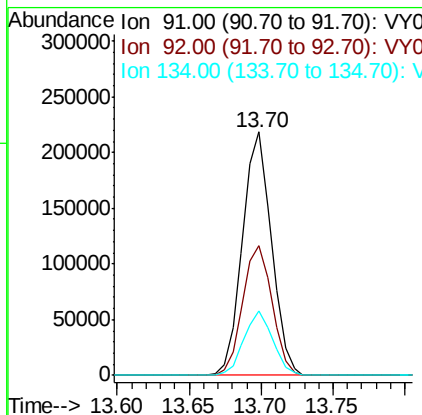
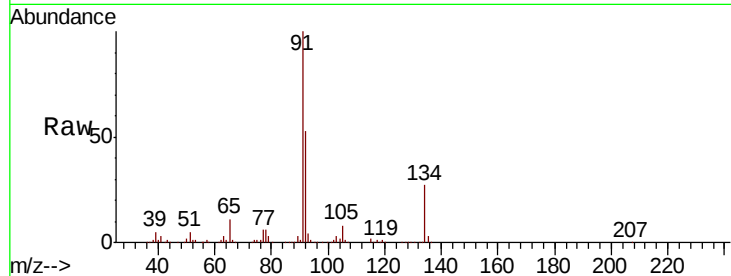
#89
n-Butylbenzene
Concen: 19.755 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.7	80.1
134	26.1	13.0	38.9

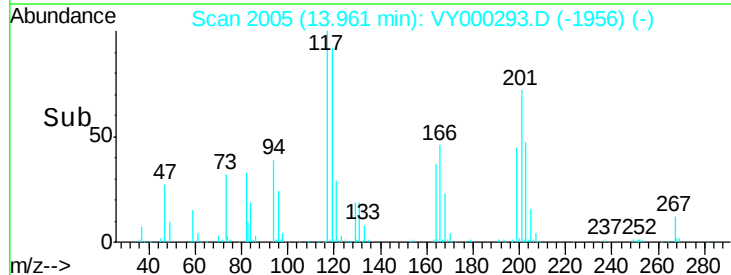
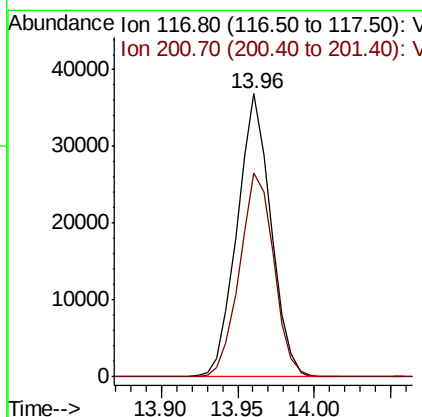
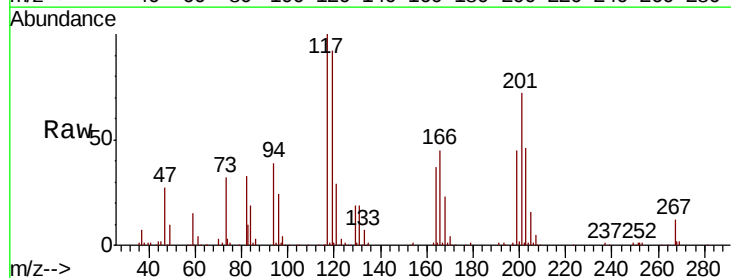
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#90
Hexachloroethane
Concen: 19.495 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.3	108.7





#91

1,2-Dichlorobenzene

Concen: 20.260 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

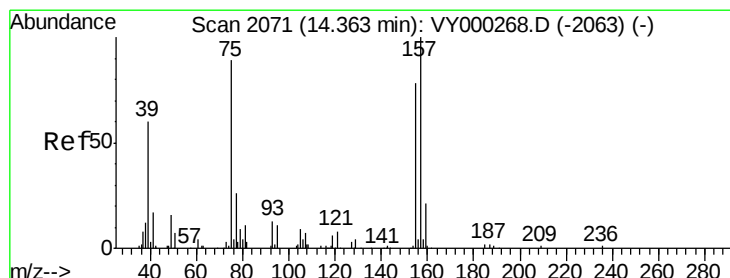
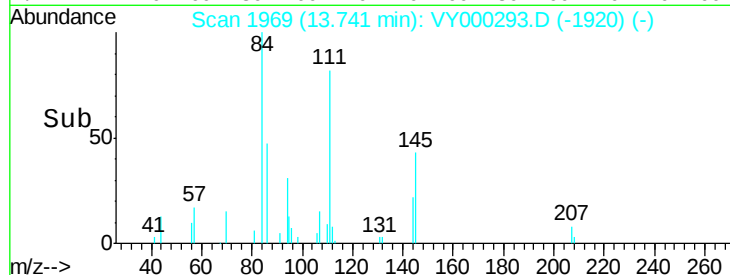
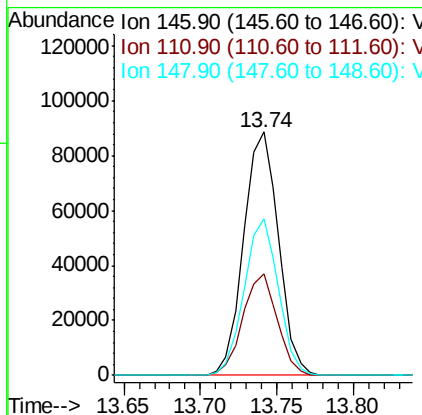
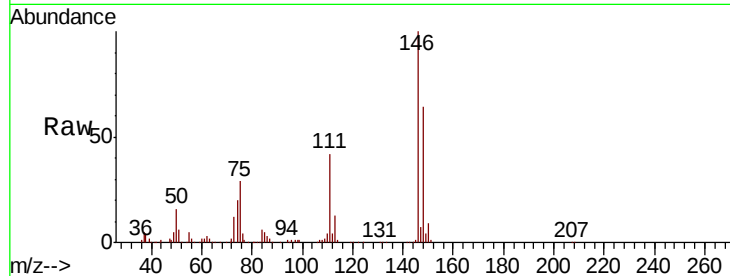
ClientSampleId :

VY1014SBS01

Tot Ion:	146	Resp:	140246
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.5	61.5
148	62.9	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.971 ug/l

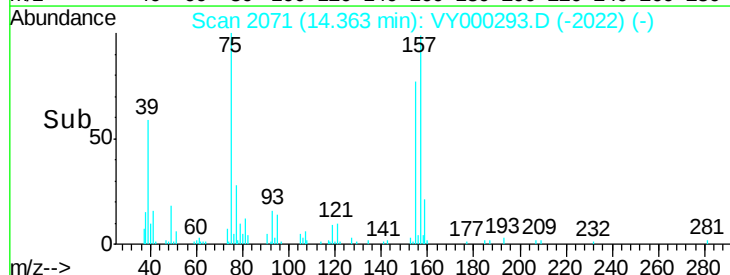
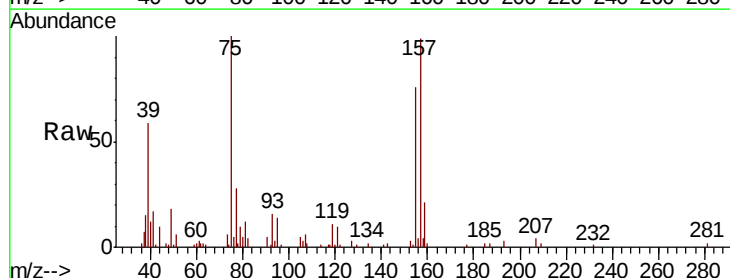
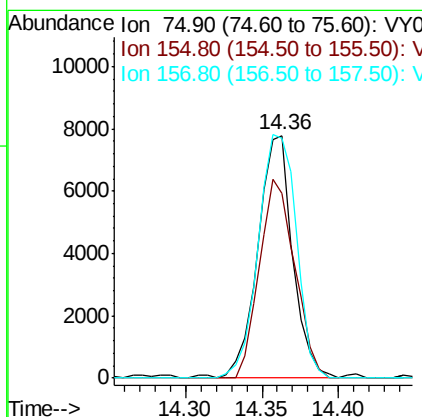
RT: 14.36 min Scan# 2071

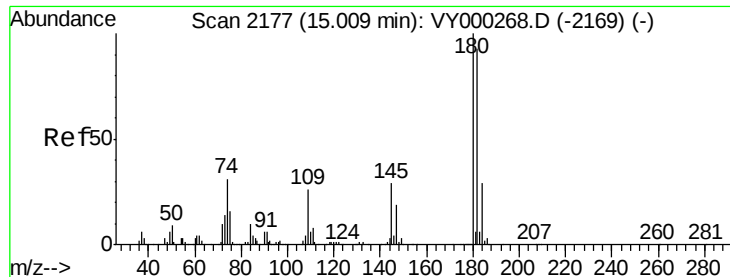
Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion:	75	Resp:	12407
Ion Ratio	Lower	Upper	
75	100		
155	83.1	45.8	137.3
157	109.0	55.6	166.9





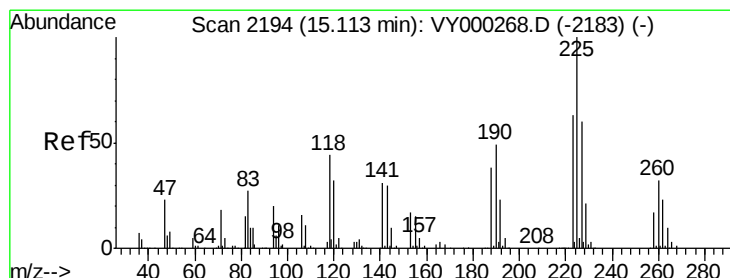
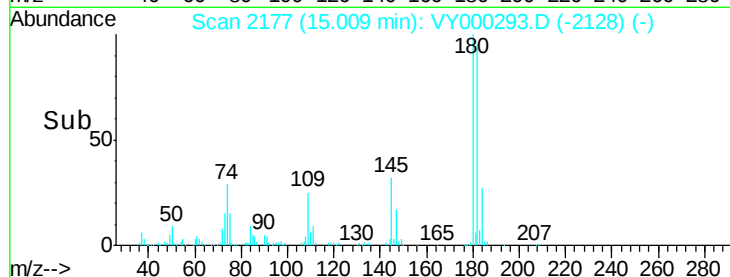
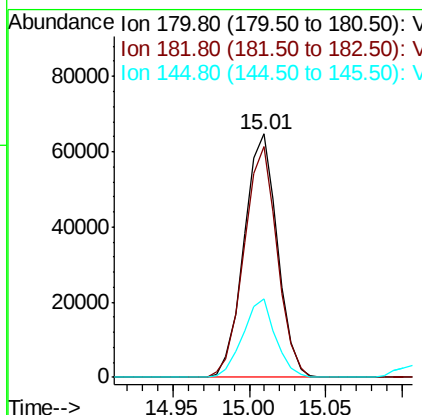
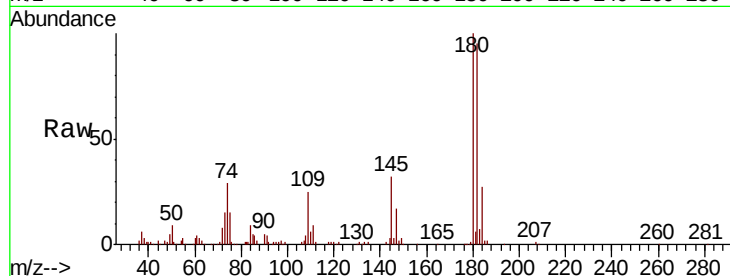
#93
 1,2,4-Trichlorobenzene
 Concen: 20.357 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98112		
182	94.4	47.5	142.6	
145	31.5	15.4	46.1	

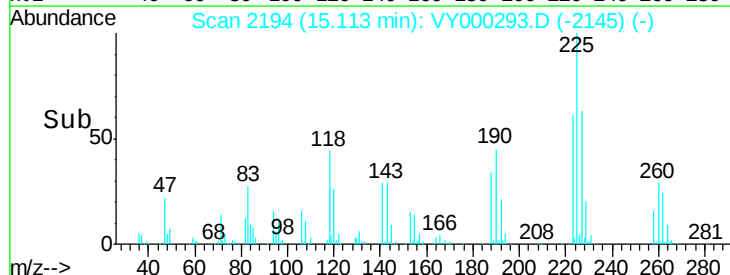
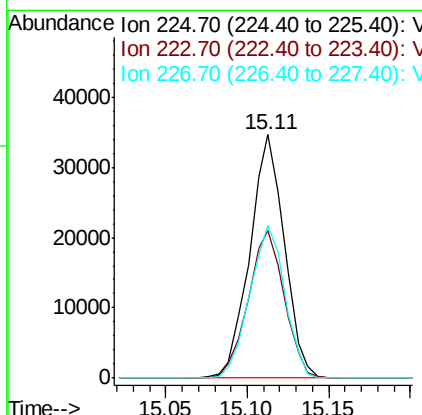
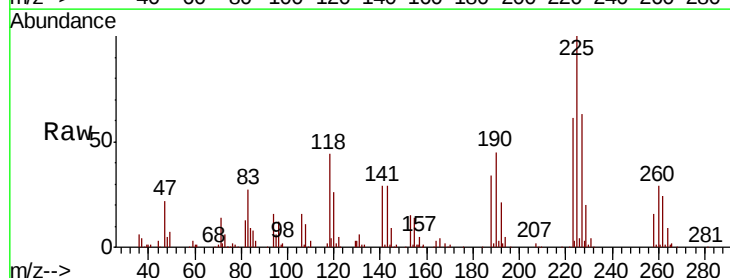
Manual Integrations
 APPROVED

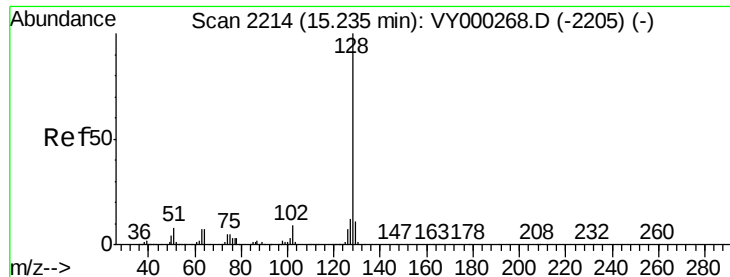
MMDadoda
 10/16/2019 12:53:09 AM



#94
 Hexachlorobutadiene
 Concen: 19.599 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51119		
223	63.1	31.9	95.7	
227	63.7	31.4	94.2	





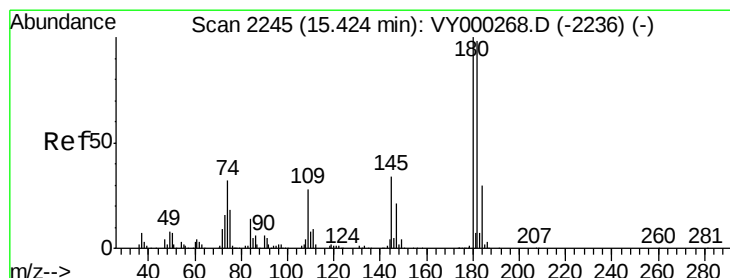
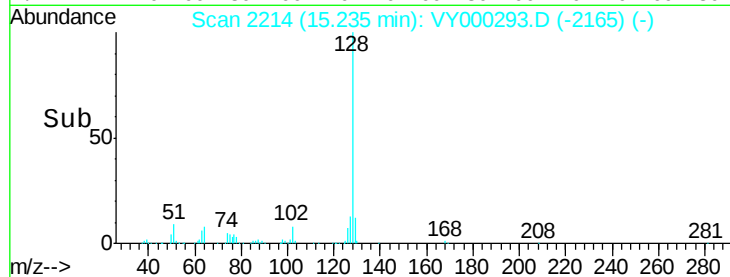
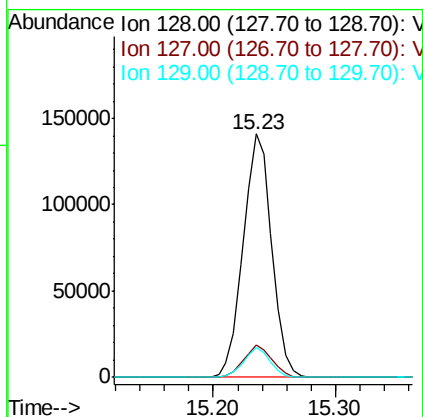
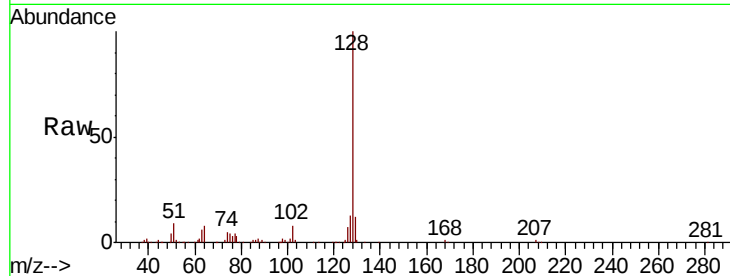
#95
Naphthalene
Concen: 21.120 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	227153		
127	13.1		9.6	14.4
129	11.4		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.475 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88934		
182	92.7		46.5	139.5
145	31.6		16.2	48.5

