

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001153.D
 Acq On : 10 Jan 2020 17:43
 Operator : SY/MD
 Sample : VY0110SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:16 PM

Quant Time: Jan 10 18:12:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	218883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	377565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	337624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	161945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	119832	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.72	113	112301	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.18	98	460438	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.48	95	176591	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	36825	21.907	ug/l	95
3) Chloromethane	2.11	50	50103	20.678	ug/l	97
4) Vinyl Chloride	2.26	62	52617	21.555	ug/l	96
5) Bromomethane	2.65	94	28883	22.028	ug/l	94
6) Chloroethane	2.79	64	29949	21.236	ug/l	93
7) Trichlorofluoromethane	3.13	101	70934	20.876	ug/l	100
8) Diethyl Ether	3.53	74	27602	20.906	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	45198	20.666	ug/l	99
10) Methyl Iodide	4.09	142	63659	21.265	ug/l	99
11) Tert butyl alcohol	4.97	59	24140	103.785	ug/l	99
12) 1,1-Dichloroethene	3.88	96	46538	20.798	ug/l	96
13) Acrolein	3.73	56	24174	115.446	ug/l	100
14) Allyl chloride	4.49	41	77511	20.524	ug/l	100
15) Acrylonitrile	5.17	53	68150	103.209	ug/l	99
16) Acetone	3.95	43	48468	90.275	ug/l	100
17) Carbon Disulfide	4.19	76	153657	21.217	ug/l	99
18) Methyl Acetate	4.49	43	34564	19.472	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	129662	20.949	ug/l	97
20) Methylene Chloride	4.72	84	55348	18.659	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	53385	21.041	ug/l	97
22) Diisopropyl ether	6.13	45	157140	20.372	ug/l	97
23) Vinyl Acetate	6.07	43	508641	103.107	ug/l	99
24) 1,1-Dichloroethane	6.02	63	89187	21.120	ug/l	100
25) 2-Butanone	7.00	43	86281	103.257	ug/l	100
26) 2,2-Dichloropropane	6.99	77	79608	20.500	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	58901	21.186	ug/l	100
28) Bromochloromethane	7.34	49	30946	17.846	ug/l	100
29) Tetrahydrofuran	7.35	42	58298	101.806	ug/l	99
30) Chloroform	7.51	83	84807	20.496	ug/l	100
31) Cyclohexane	7.78	56	90236	20.182	ug/l	89
32) 1,1,1-Trichloroethane	7.71	97	74922	20.408	ug/l	100
36) 1,1-Dichloropropene	7.92	75	71424	20.755	ug/l	100
37) Ethyl Acetate	7.08	43	41554	20.575	ug/l	99
38) Carbon Tetrachloride	7.90	117	65364	20.726	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001153.D
 Acq On : 10 Jan 2020 17:43
 Operator : SY/MD
 Sample : VY0110SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:16 PM

Quant Time: Jan 10 18:12:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	96108	20.600	ug/l	96
40) Benzene	8.16	78	209993	20.905	ug/l	99
41) Methacrylonitrile	7.32	41	18087m	19.065	ug/l	
42) 1,2-Dichloroethane	8.24	62	58653	20.852	ug/l	99
43) Isopropyl Acetate	8.28	43	79777	20.658	ug/l	100
44) Trichloroethene	8.94	130	54735	20.911	ug/l	97
45) 1,2-Dichloropropane	9.22	63	52548	21.160	ug/l	96
46) Dibromomethane	9.31	93	28271	20.864	ug/l	98
47) Bromodichloromethane	9.50	83	69001	20.895	ug/l	98
48) Methyl methacrylate	9.29	41	36634	20.499	ug/l	99
49) 1,4-Dioxane	9.30	88	6188	375.000	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	200952	102.550	ug/l	99
52) Toluene	10.24	92	134587	21.006	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	77743	21.039	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	87151	20.919	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	42119	20.968	ug/l	99
56) Ethyl methacrylate	10.51	69	64675	21.048	ug/l	100
57) 1,3-Dichloropropane	10.79	76	72420	21.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	112712	104.293	ug/l	100
59) 2-Hexanone	10.83	43	141965	103.374	ug/l	100
60) Dibromochloromethane	10.98	129	48482	20.962	ug/l	99
61) 1,2-Dibromoethane	11.09	107	40335	20.564	ug/l	99
64) Tetrachloroethene	10.72	164	46803	21.505	ug/l	98
65) Chlorobenzene	11.52	112	141196	20.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	48781	20.980	ug/l	98
67) Ethyl Benzene	11.59	91	257790	20.889	ug/l	99
68) m/p-Xylenes	11.70	106	197998	42.531	ug/l	99
69) o-Xylene	12.03	106	92790	20.789	ug/l	99
70) Styrene	12.04	104	164722	21.033	ug/l	100
71) Bromoform	12.20	173	30271	21.111	ug/l #	99
73) Isopropylbenzene	12.33	105	250396	20.567	ug/l	100
74) N-amyl acetate	12.14	43	78789	20.737	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	52159	20.363	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	35608m	20.539	ug/l	
77) Bromobenzene	12.61	156	55914	20.785	ug/l	98
78) n-propylbenzene	12.67	91	302027	20.624	ug/l	100
79) 2-Chlorotoluene	12.75	91	171924	20.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	210648	20.737	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21011	20.552	ug/l #	95
82) 4-Chlorotoluene	12.85	91	181892	20.259	ug/l	98
83) tert-Butylbenzene	13.07	119	176154	20.638	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	214190	21.233	ug/l	100
85) sec-Butylbenzene	13.25	105	254544	20.729	ug/l	98
86) p-Isopropyltoluene	13.37	119	227720	21.359	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	110629	21.745	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	110405	21.085	ug/l	100
89) n-Butylbenzene	13.69	91	228991	21.325	ug/l	99
90) Hexachloroethane	13.96	117	43013	20.648	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	102021	21.577	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9785	21.177	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
Data File : VY001153.D
Acq On : 10 Jan 2020 17:43
Operator : SY/MD
Sample : VY0110SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

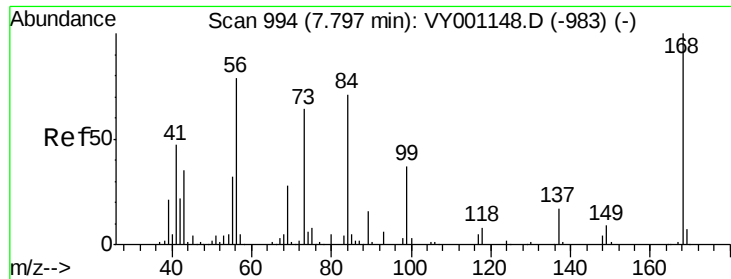
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM

Quant Time: Jan 10 18:12:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	69407	22.279	ug/l	100
94) Hexachlorobutadiene	15.11	225	35398	22.555	ug/l	99
95) Naphthalene	15.23	128	159467	21.988	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	61047	22.235	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. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion:168 Resp: 218883

Ion Ratio Lower Upper

168 100

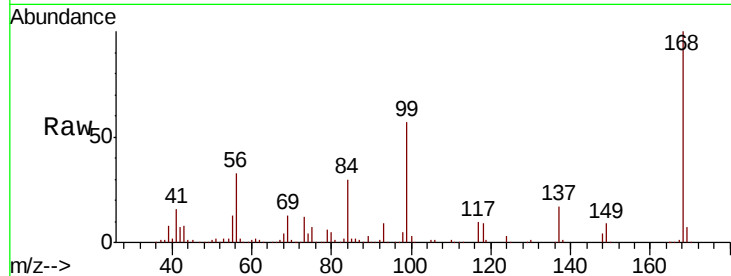
99 56.7 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:16 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

60000

40000

20000

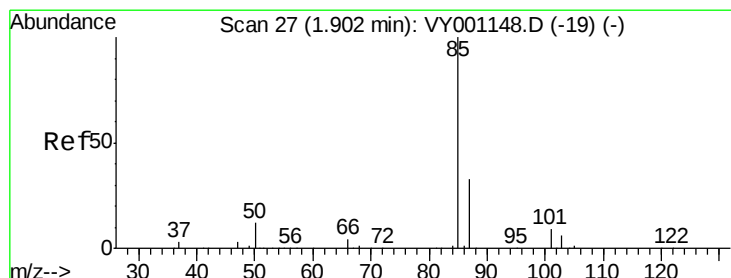
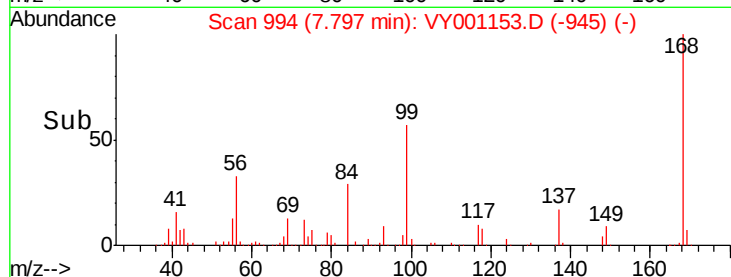
0

Time-->

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: 21.907 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001153.D

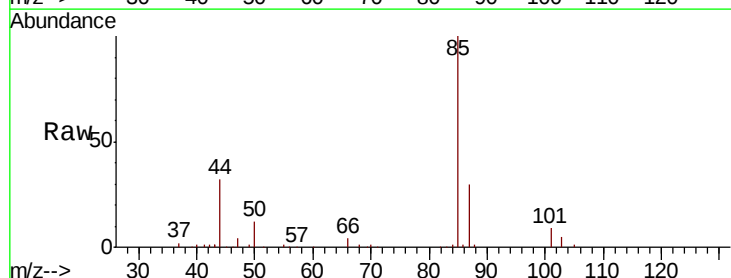
Acq: 10 Jan 2020 17:43

Tgt Ion: 85 Resp: 36825

Ion Ratio Lower Upper

85 100

87 30.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

30000

25000

20000

15000

10000

5000

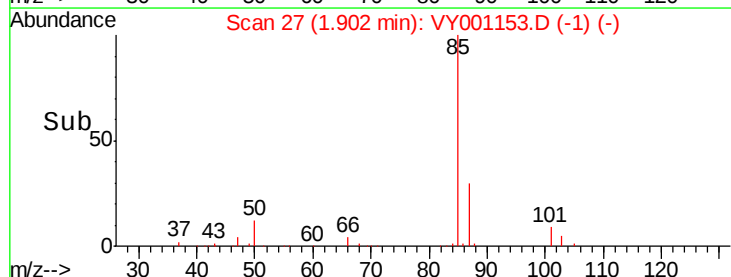
0

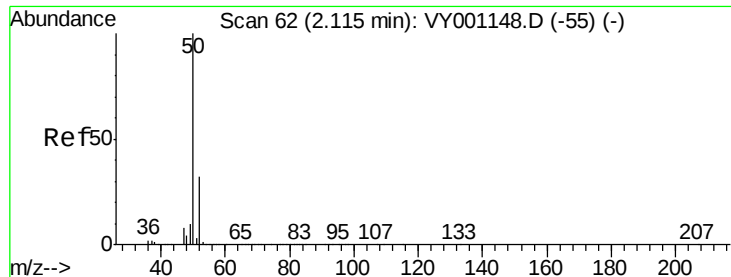
Time-->

1.80

1.90

2.00





#3

Chloromethane

Concen: 20.678 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 50 Resp: 50103

Ion Ratio Lower Upper

50 100

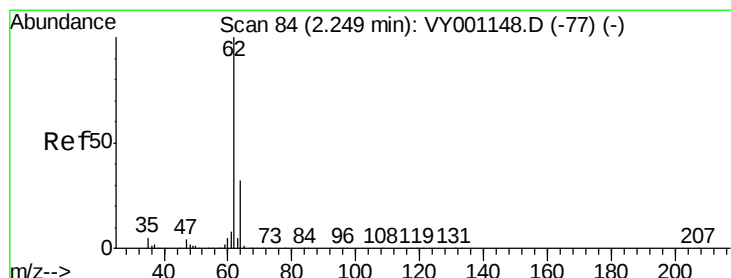
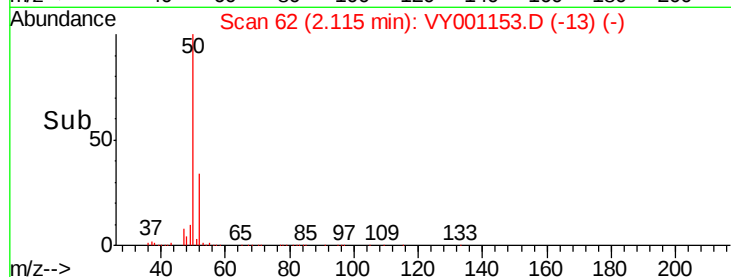
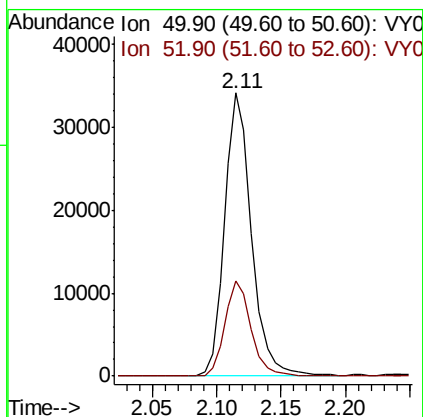
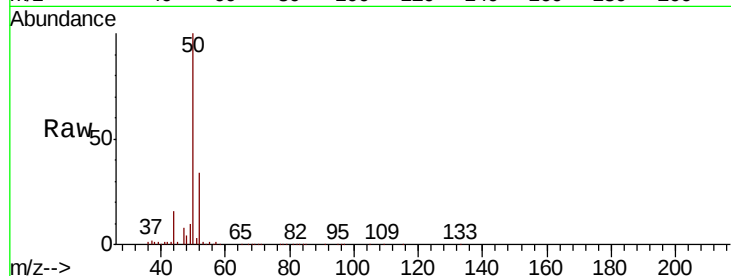
52 33.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:16 PM



#4

Vinyl Chloride

Concen: 21.555 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001153.D

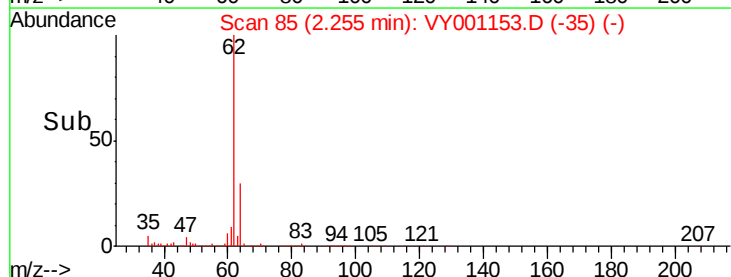
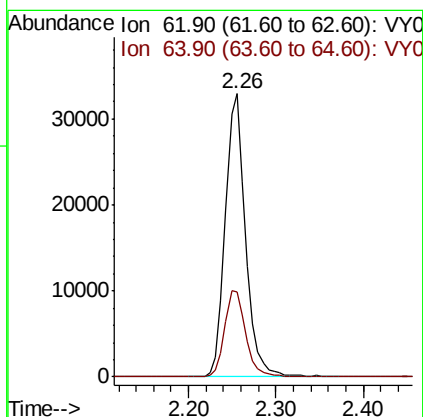
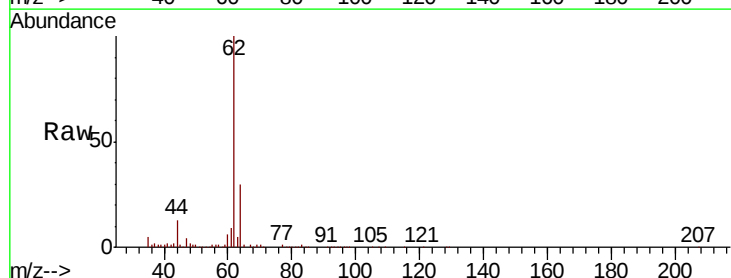
Acq: 10 Jan 2020 17:43

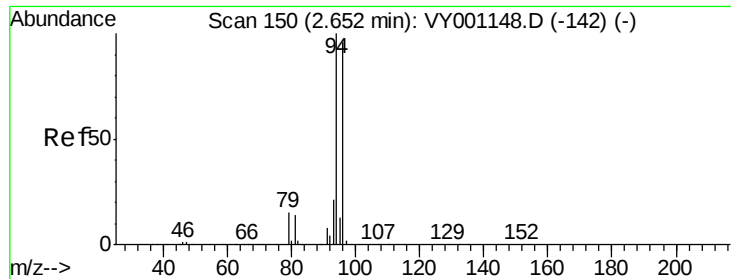
Tgt Ion: 62 Resp: 52617

Ion Ratio Lower Upper

62 100

64 30.0 25.8 38.8





#5

Bromomethane

Concen: 22.028 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 94 Resp: 28883

Ion Ratio Lower Upper

94 100

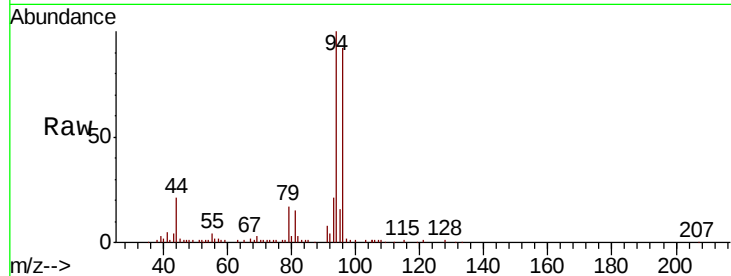
96 90.8 77.3 115.9

Manual Integrations

APPROVED

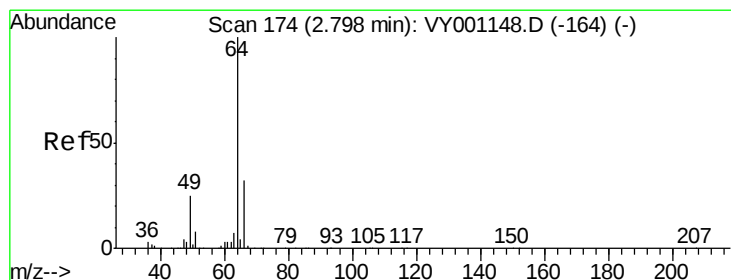
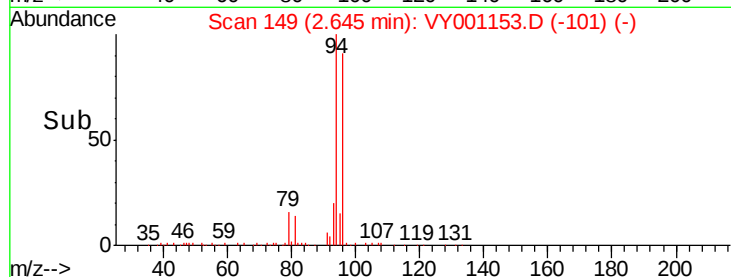
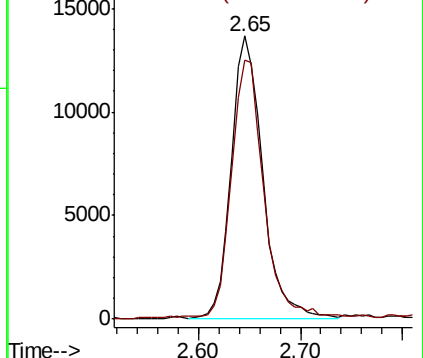
MMDadoda

1/13/2020 12:39:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.236 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001153.D

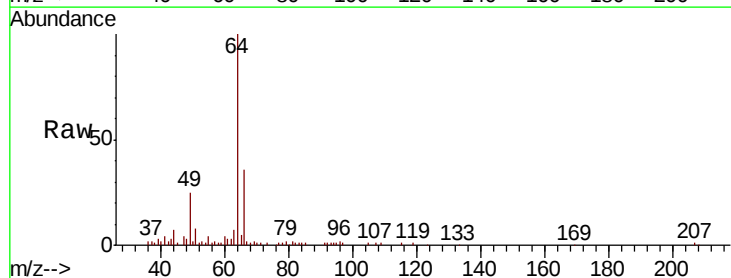
Acq: 10 Jan 2020 17:43

Tgt Ion: 64 Resp: 29949

Ion Ratio Lower Upper

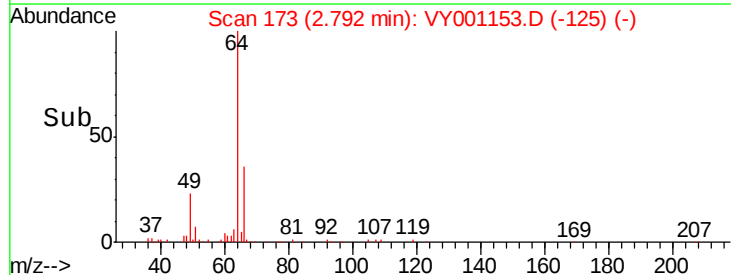
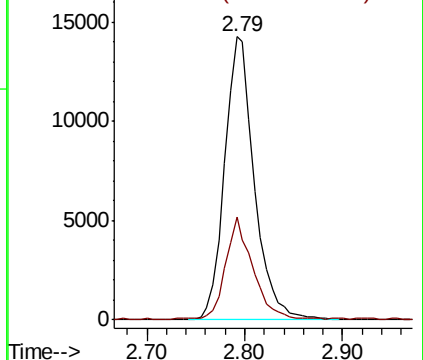
64 100

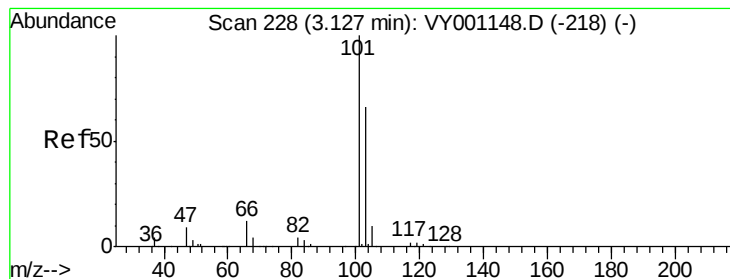
66 35.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

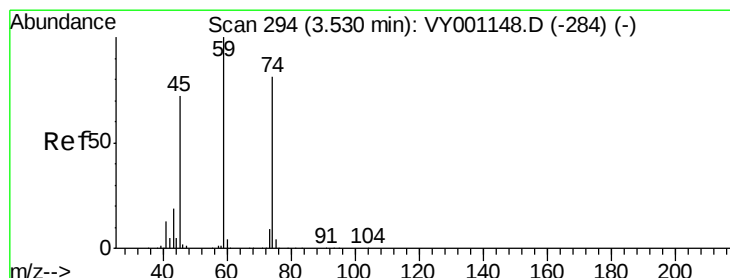
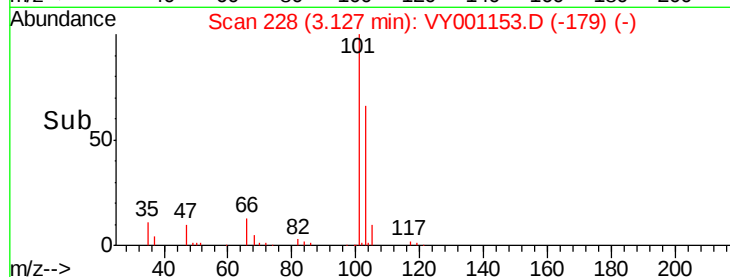
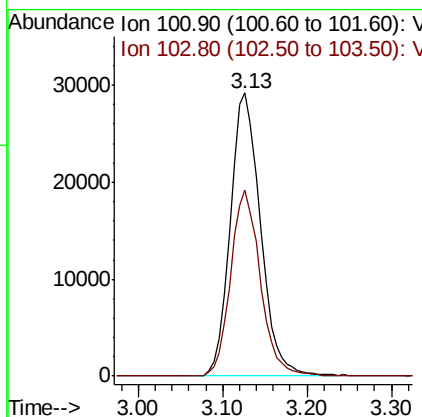
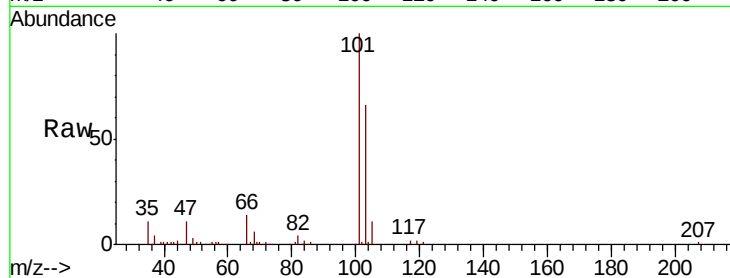
Trichlorofluoromethane
 Concen: 20.876 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	79.0

Manual Integrations
 APPROVED

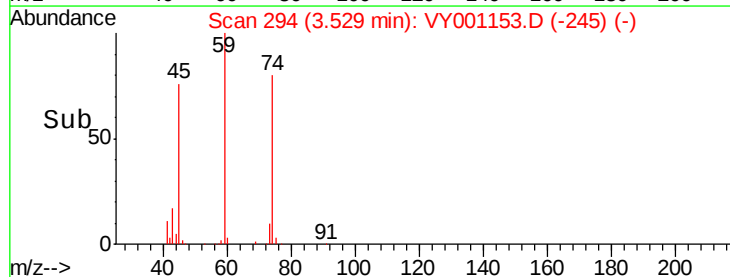
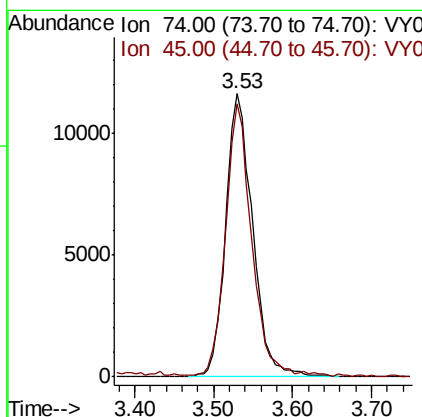
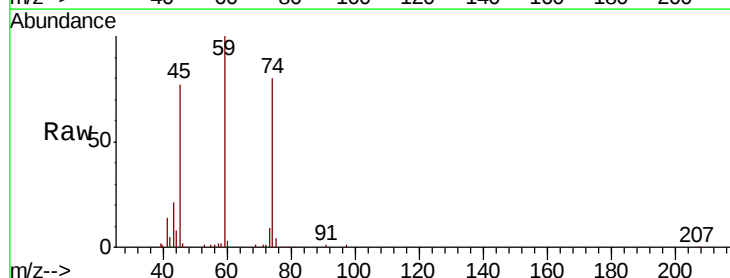
MMDadoda
 1/13/2020 12:39:16 PM

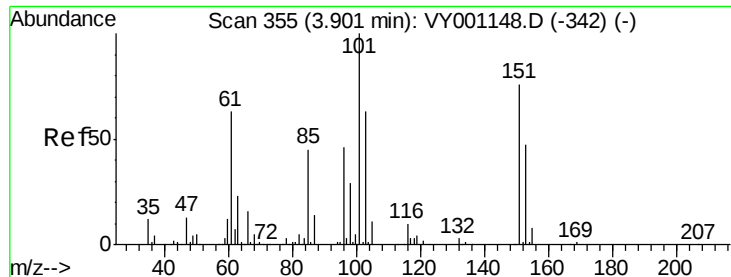


#8

Diethyl Ether
 Concen: 20.906 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.666 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion:101 Resp: 45198

Ion Ratio Lower Upper

101 100

85 44.2 35.2 52.8

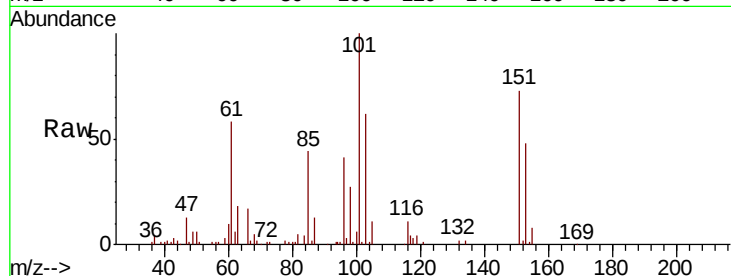
151 77.7 61.4 92.2

Manual Integrations

APPROVED

MMDadoda

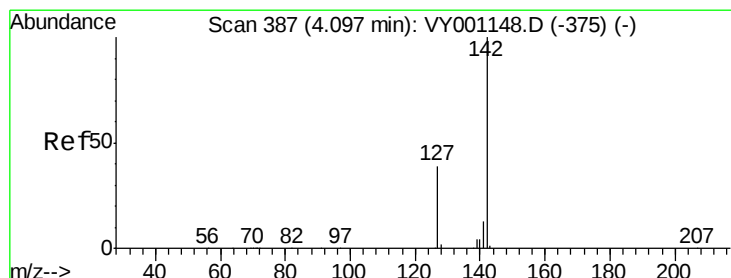
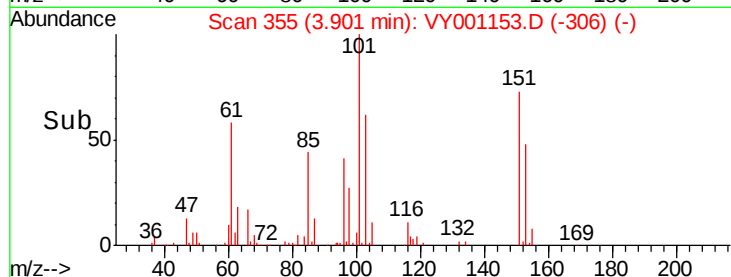
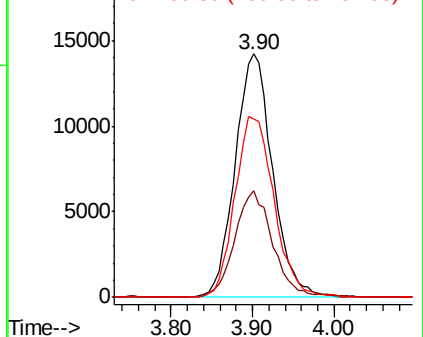
1/13/2020 12:39:16 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.265 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

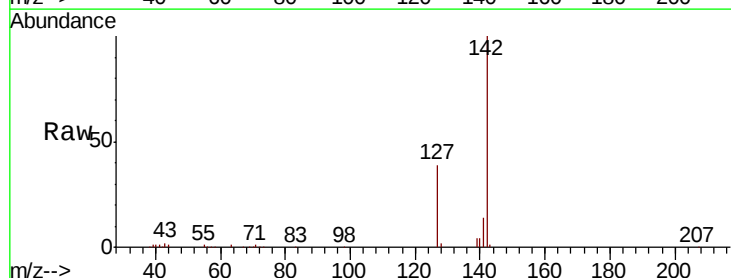
Tgt Ion:142 Resp: 63659

Ion Ratio Lower Upper

142 100

127 39.4 30.8 46.2

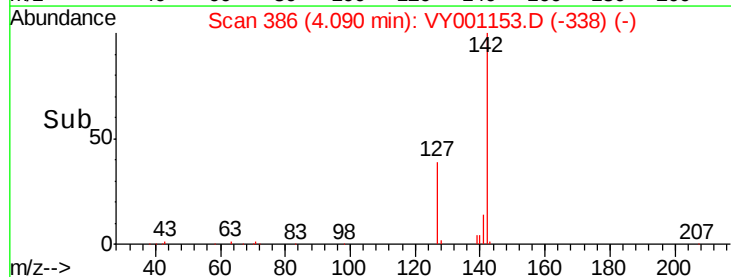
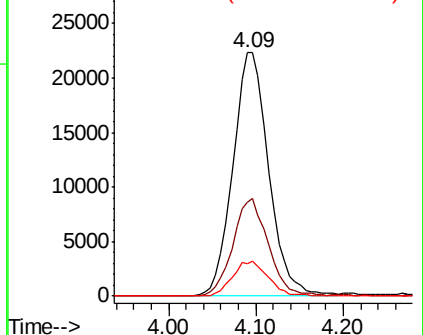
141 14.2 11.0 16.4

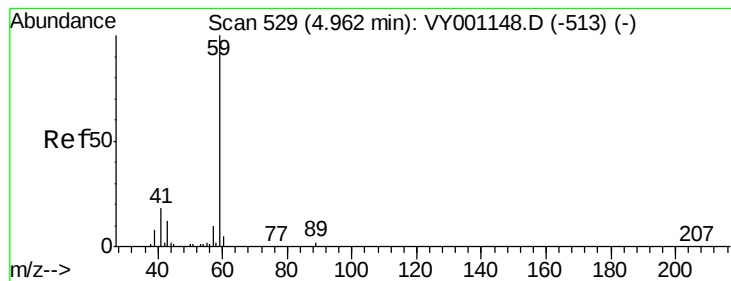


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

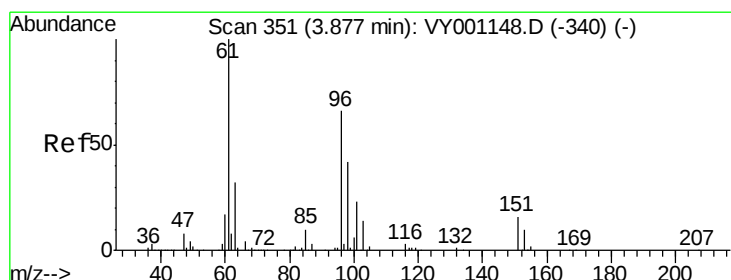
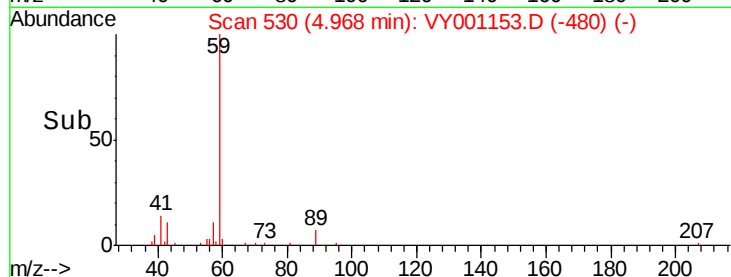
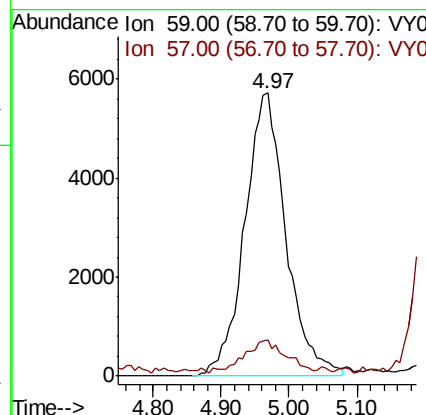
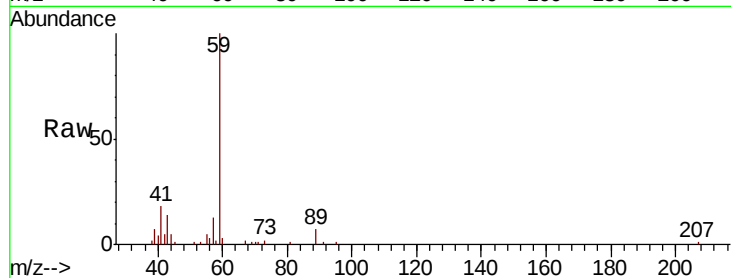
Tert butyl alcohol
 Concen: 103.785 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.8	11.8

Manual Integrations
 APPROVED

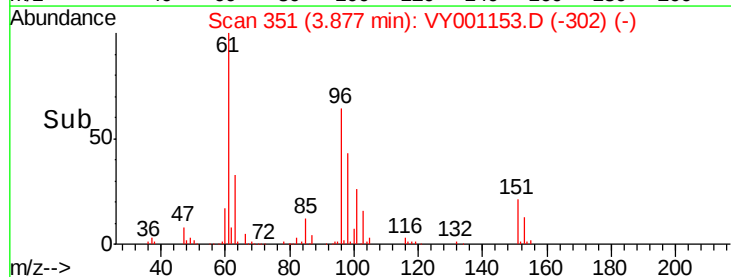
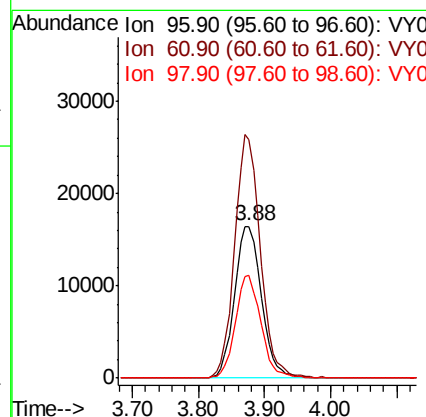
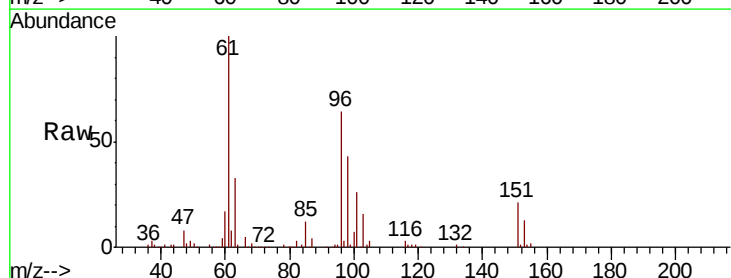
MMDadoda
 1/13/2020 12:39:16 PM

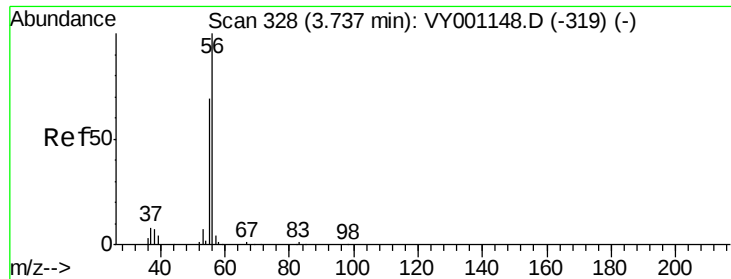


#12

1,1-Dichloroethene
 Concen: 20.798 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	122.1	183.1
98	67.4	51.0	76.6





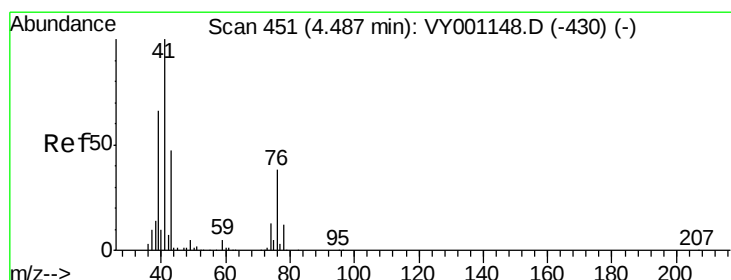
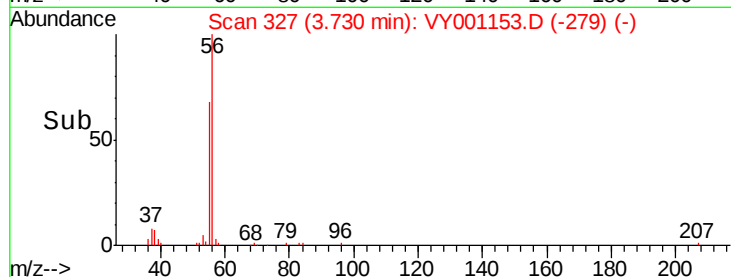
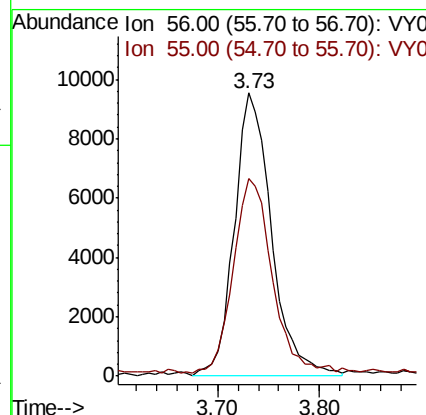
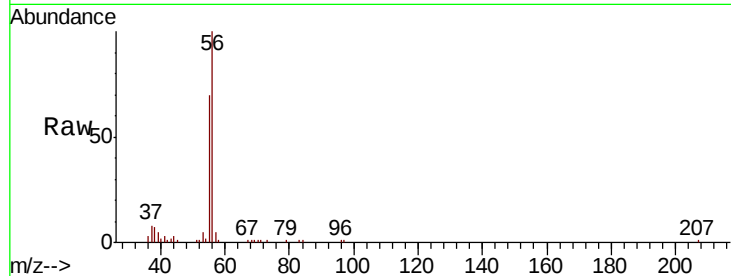
#13
Acrolein
Concen: 115.446 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.7	85.1

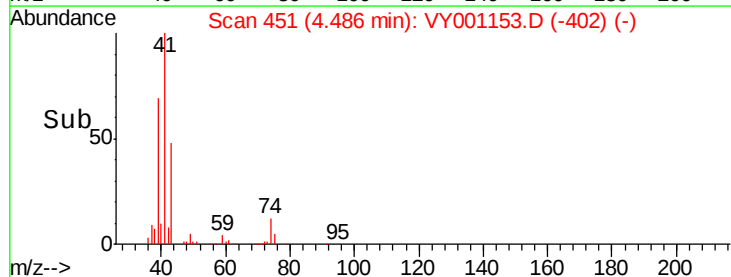
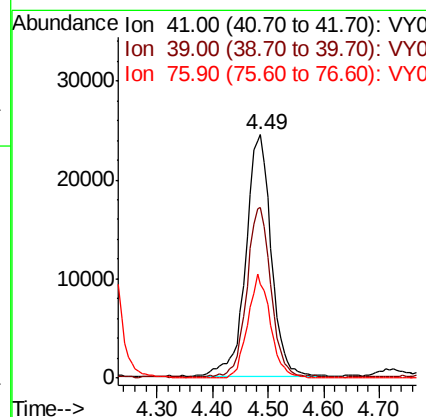
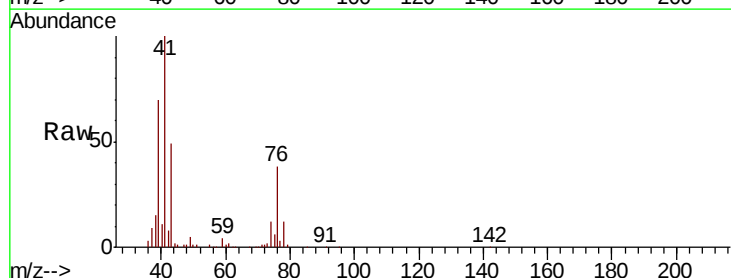
Manual Integrations
APPROVED

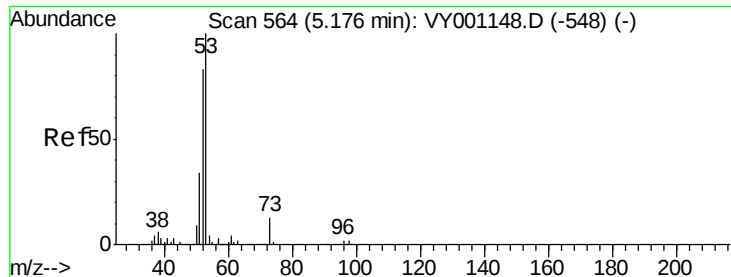
MMDadoda
1/13/2020 12:39:16 PM



#14
Allyl chloride
Concen: 20.524 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.5	52.6	78.8
76	38.2	30.2	45.2





#15

Acrylonitrile

Concen: 103.209 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

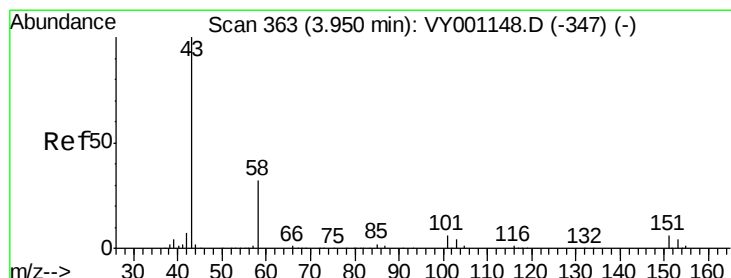
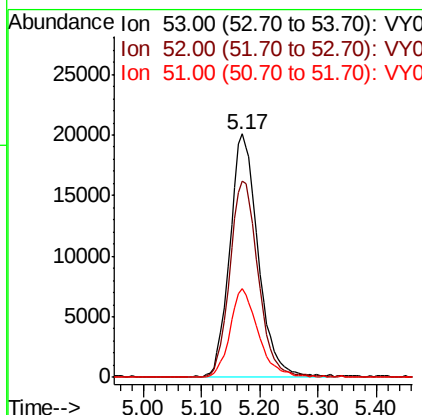
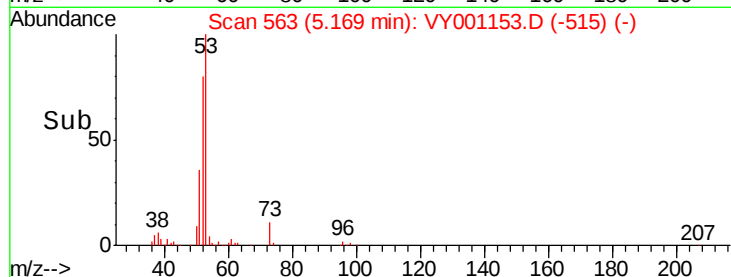
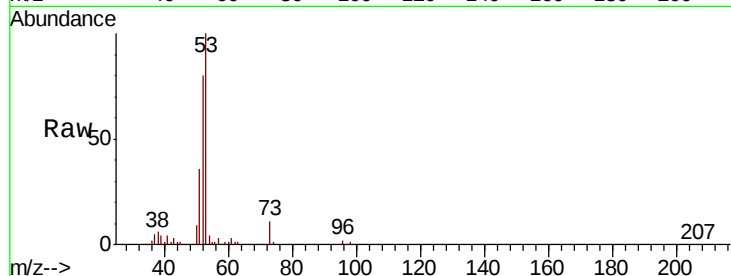
ClientSampleId :

VY0110SBS01

Tot Ion:	53	Resp:	68150
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.7	98.5
51	36.1	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



#16

Acetone

Concen: 90.275 ug/l

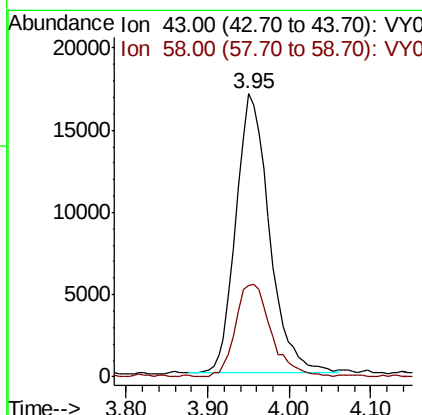
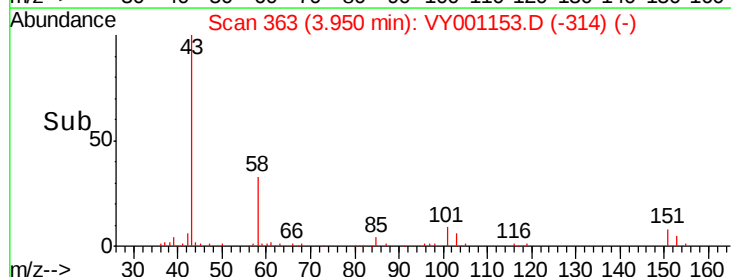
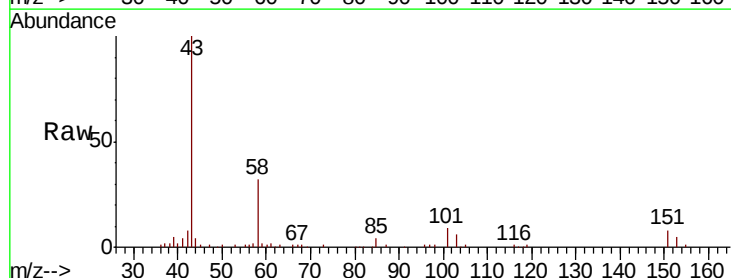
RT: 3.95 min Scan# 363

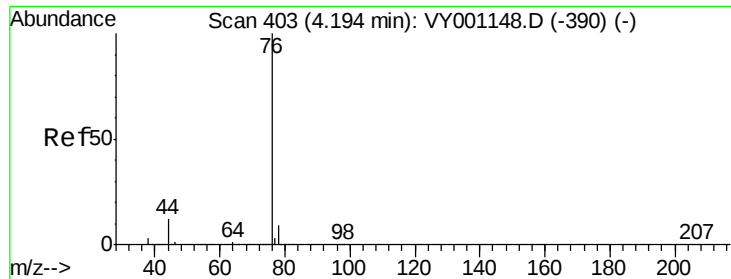
Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Tgt Ion:	43	Resp:	48468
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.8	38.6





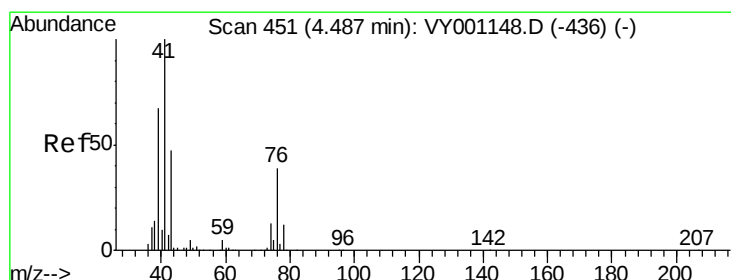
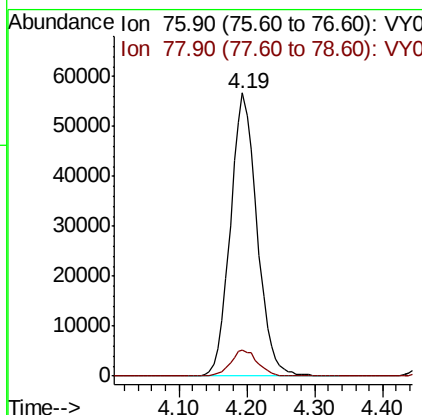
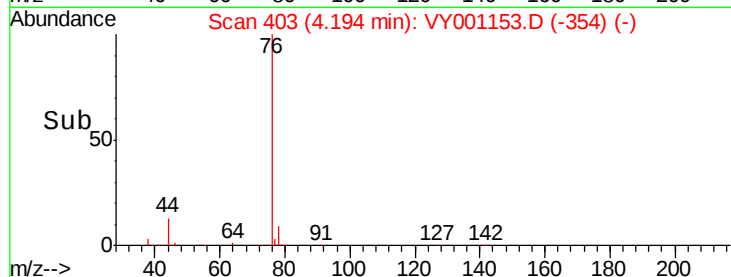
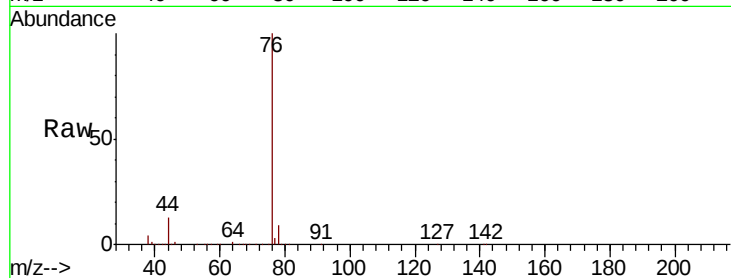
#17
Carbon Disulfide
Concen: 21.217 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

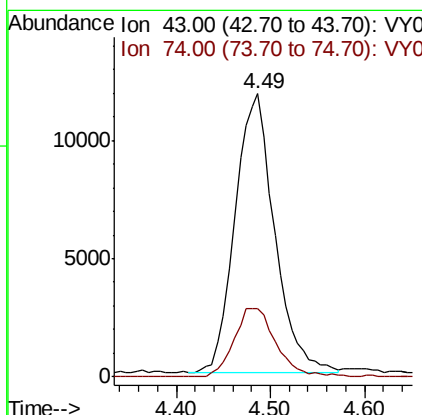
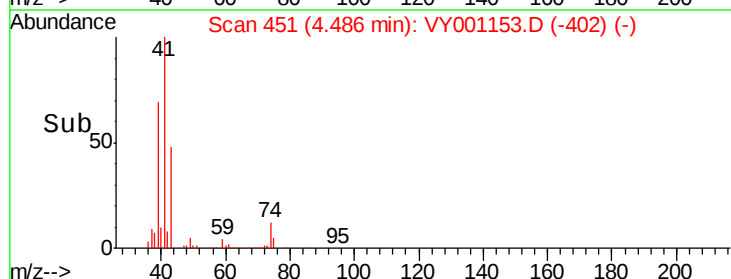
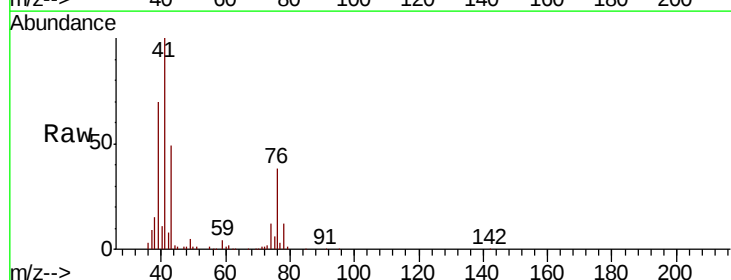
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



#18
Methyl Acetate
Concen: 19.472 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.2	30.2





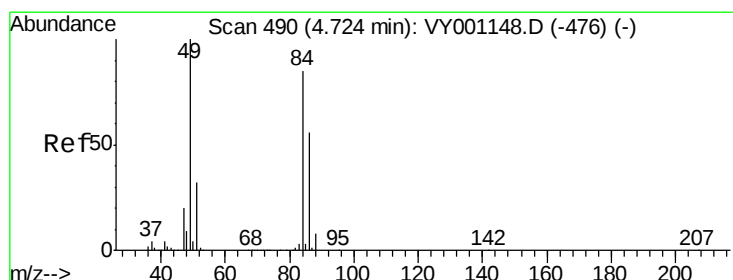
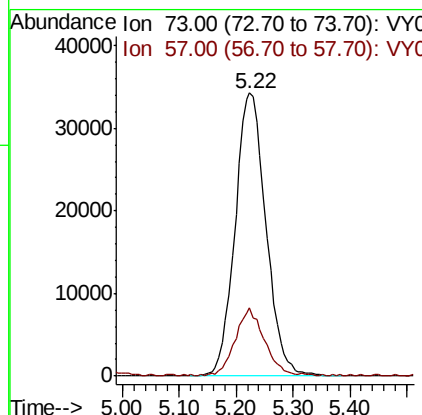
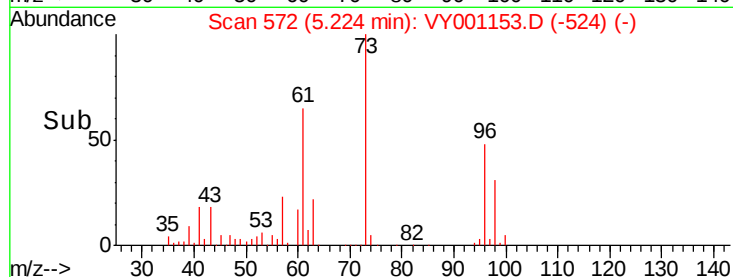
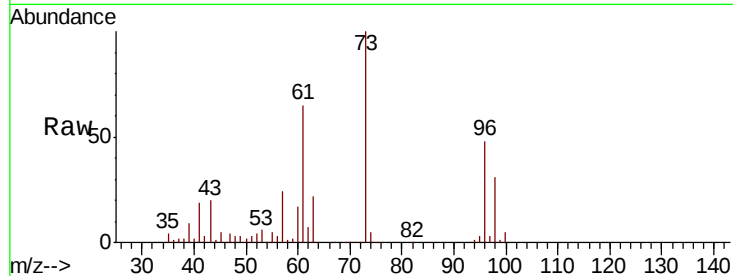
#19
Methvl tert-butvl Ether
Concen: 20.949 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 73 Resp: 129662
Ion Ratio Lower Upper
73 100
57 23.6 17.8 26.6

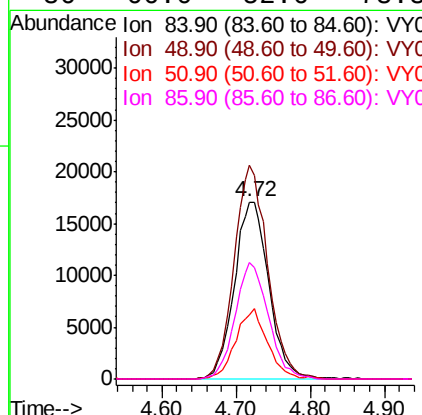
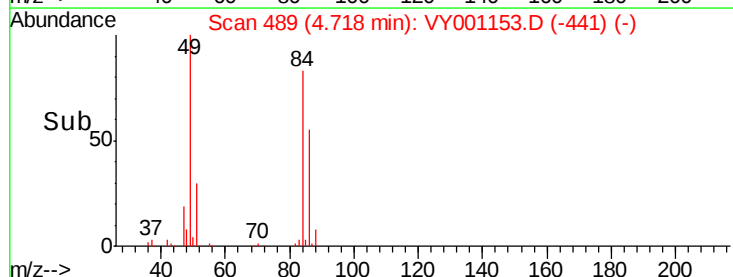
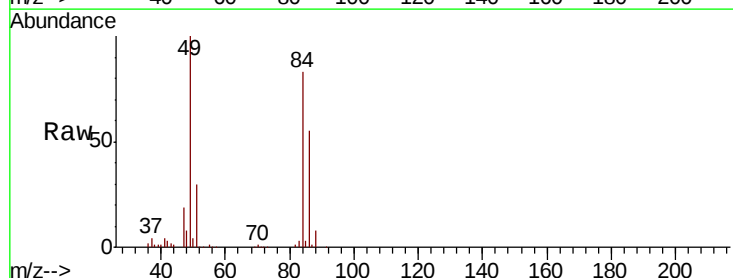
Manual Integrations
APPROVED

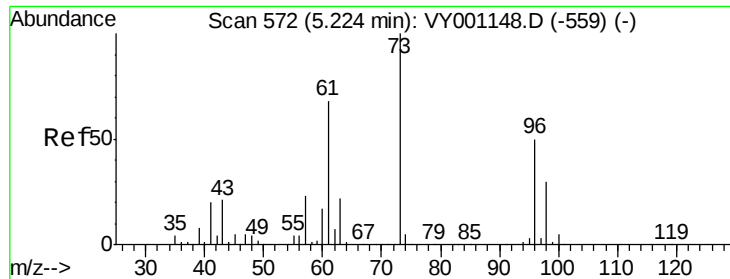
MMDadoda
1/13/2020 12:39:16 PM



#20
Methylene Chloride
Concen: 18.659 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 84 Resp: 55348
Ion Ratio Lower Upper
84 100
49 120.7 93.8 140.6
51 36.0 29.9 44.9
86 66.0 52.6 78.8





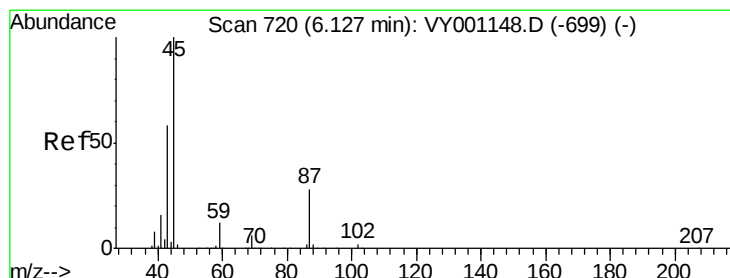
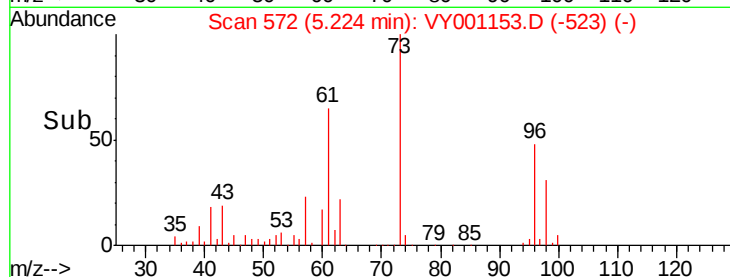
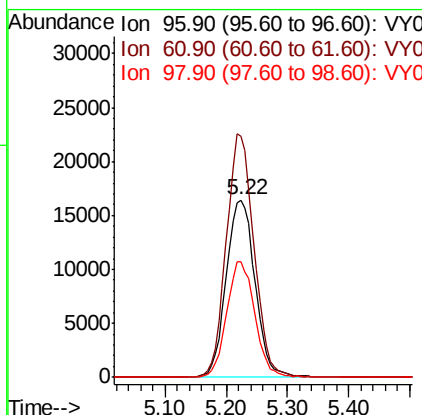
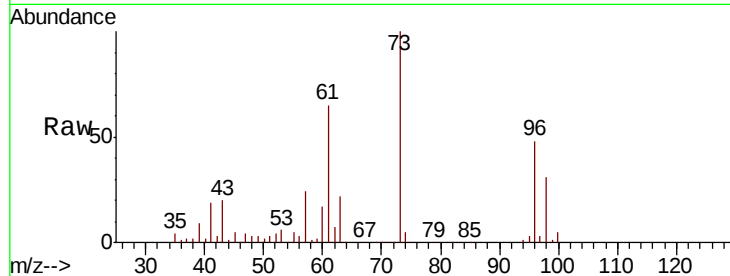
#21
trans-1,2-Dichloroethene
Concen: 21.041 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	107.6	161.4
98	64.8	47.6	71.4

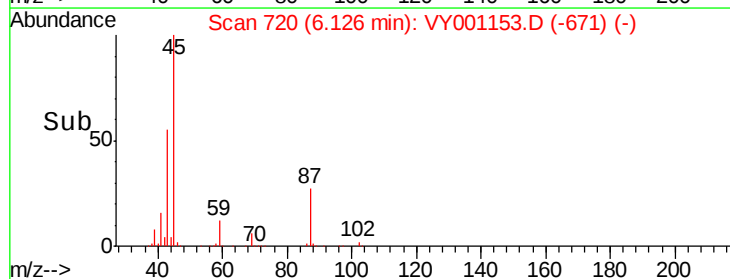
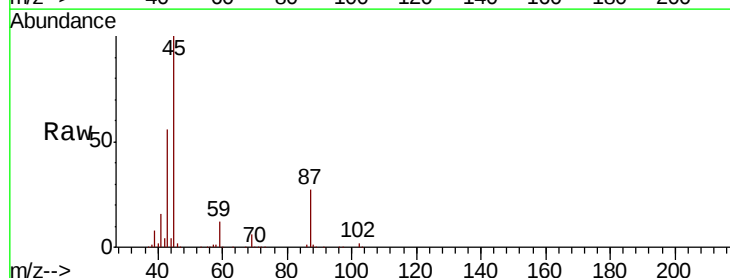
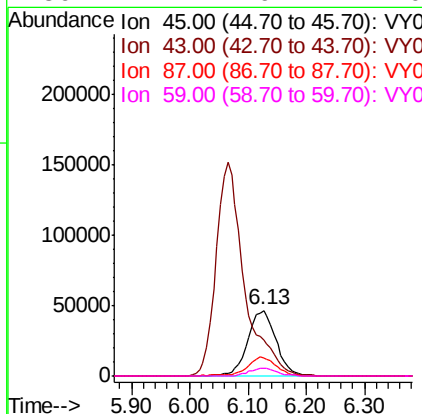
Manual Integrations
APPROVED

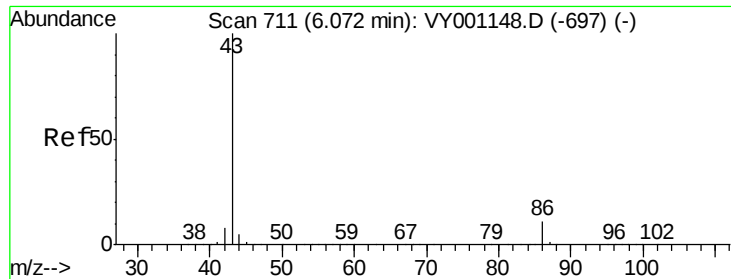
MMDadoda
1/13/2020 12:39:16 PM



#22
Diisopropyl ether
Concen: 20.372 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.5	69.7
87	27.1	22.5	33.7
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 103.107 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 43 Resp: 508641

Ion Ratio Lower Upper

43 100

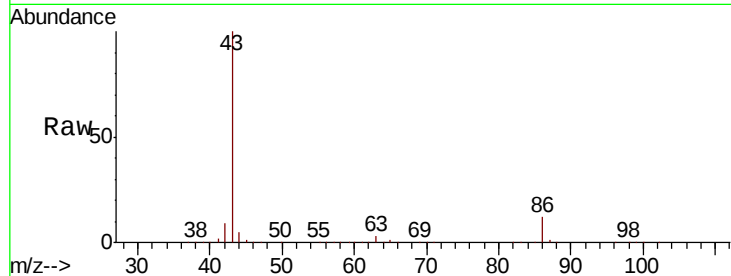
86 11.5 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

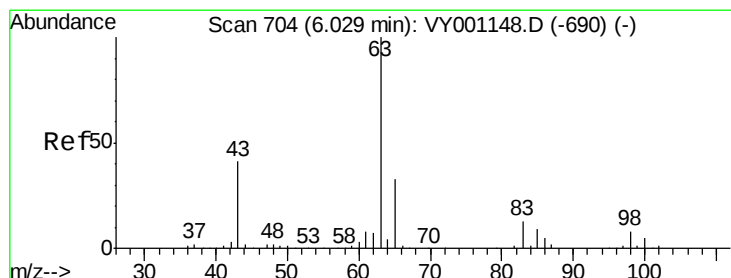
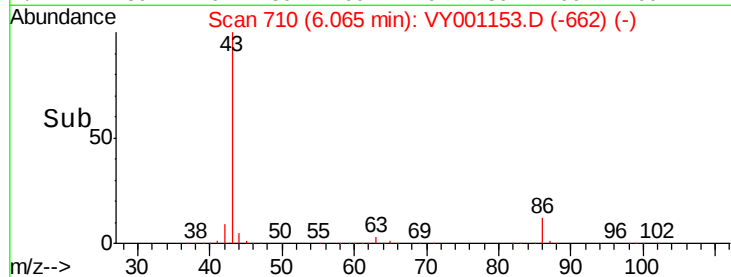
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.120 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

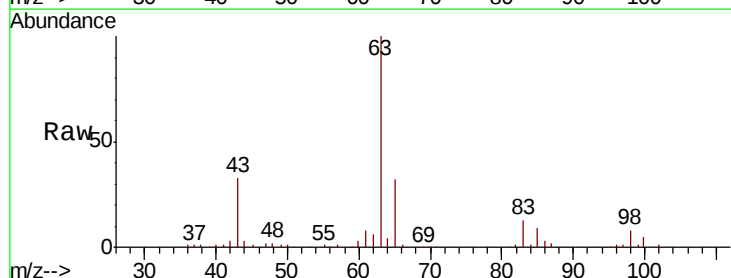
Tgt Ion: 63 Resp: 89187

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 5.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

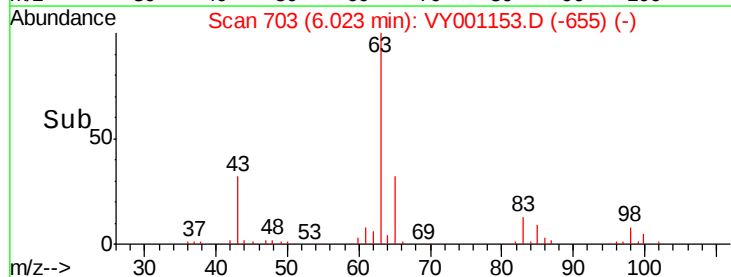
30000

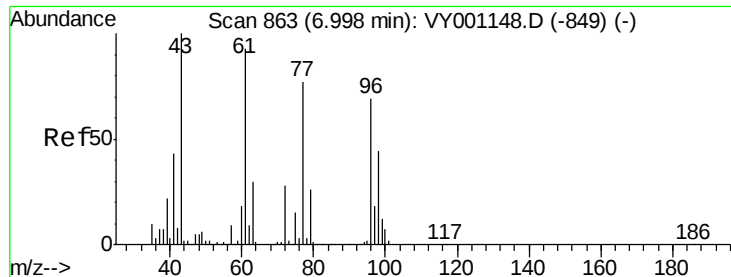
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.257 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 43 Resp: 86281

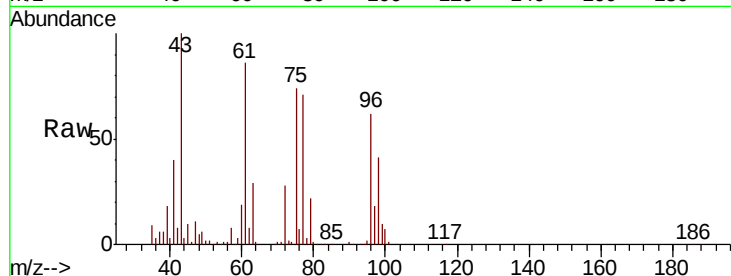
Ion Ratio Lower Upper

43 100

72 27.8 22.2 33.2

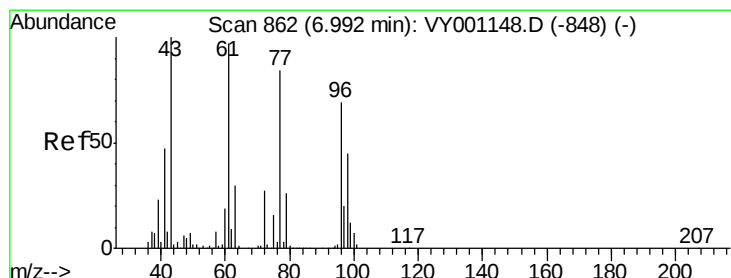
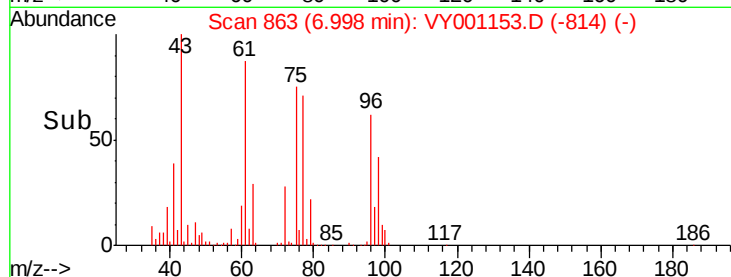
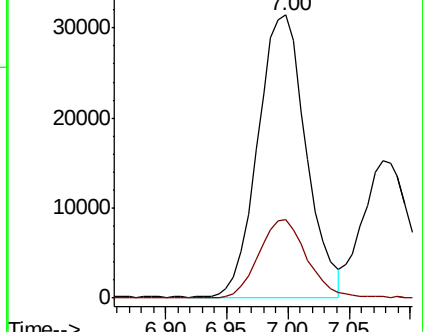
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.500 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001153.D

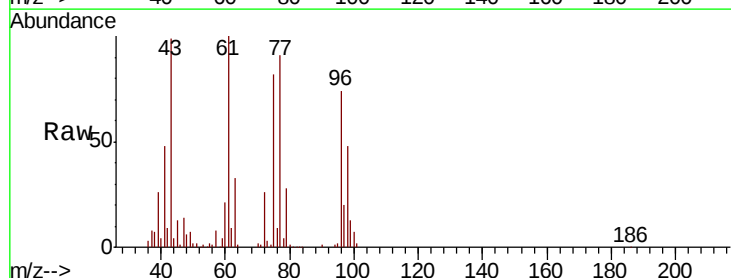
Acq: 10 Jan 2020 17:43

Tgt Ion: 77 Resp: 79608

Ion Ratio Lower Upper

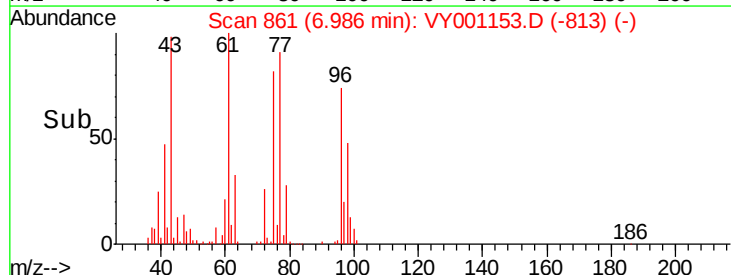
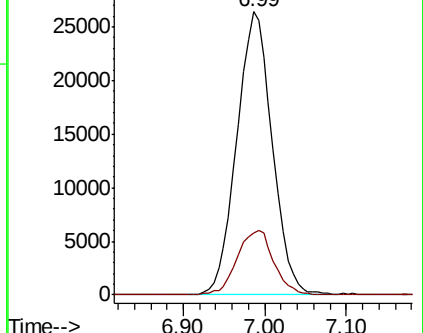
77 100

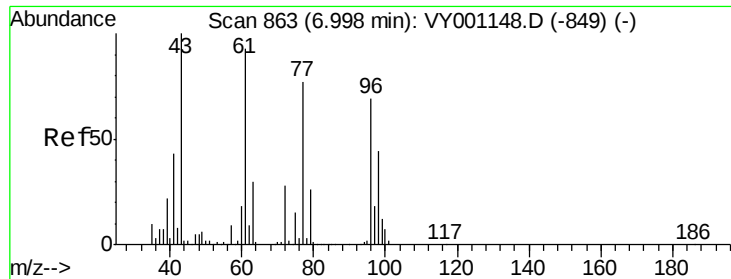
97 23.6 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

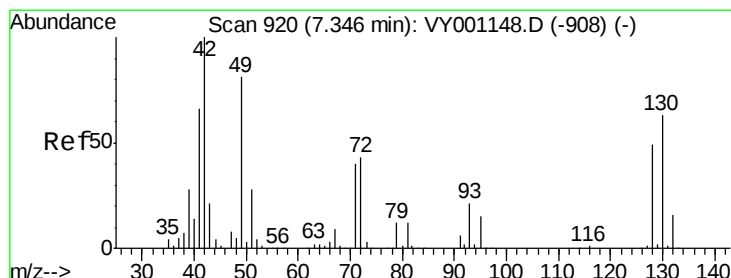
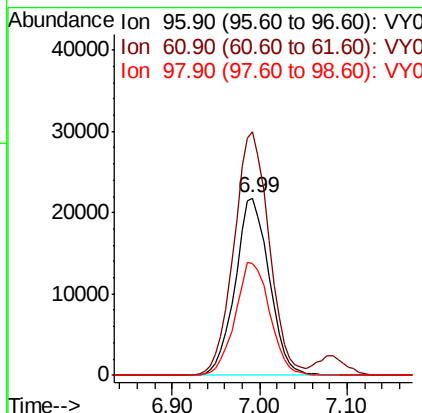
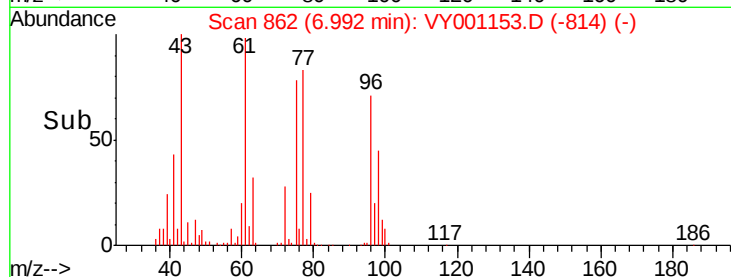
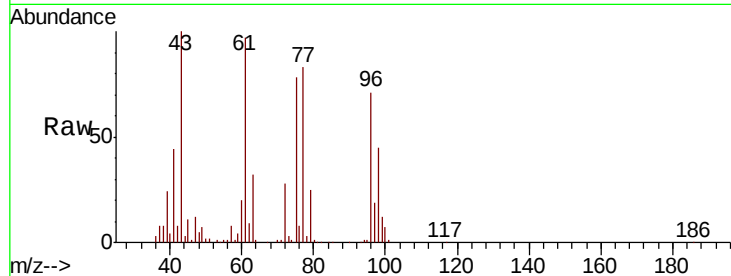
cis-1,2-Dichloroethene
 Concen: 21.186 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	284.0
98	64.9	0.0	130.2

Manual Integrations
 APPROVED

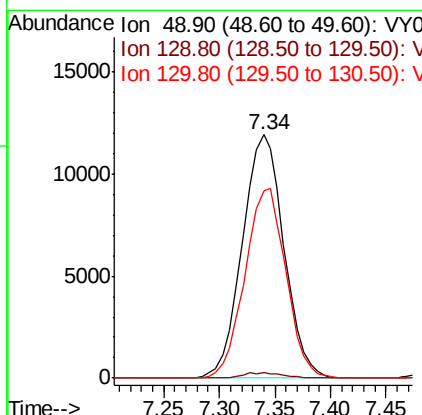
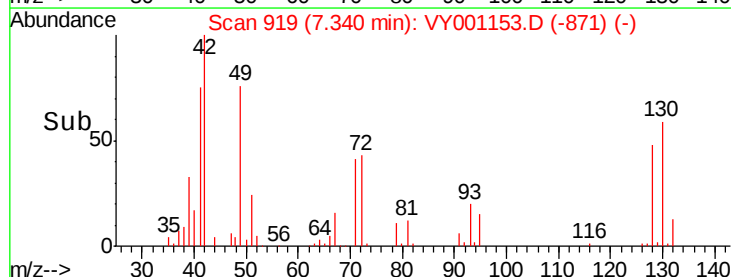
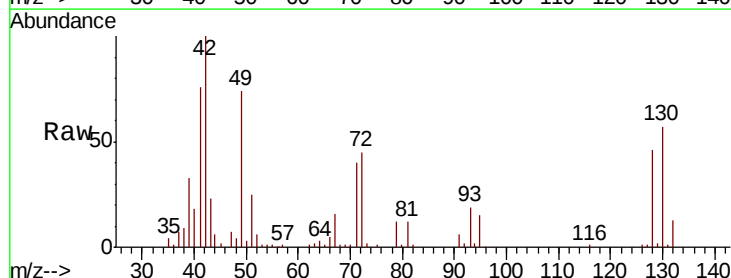
MMDadoda
 1/13/2020 12:39:16 PM

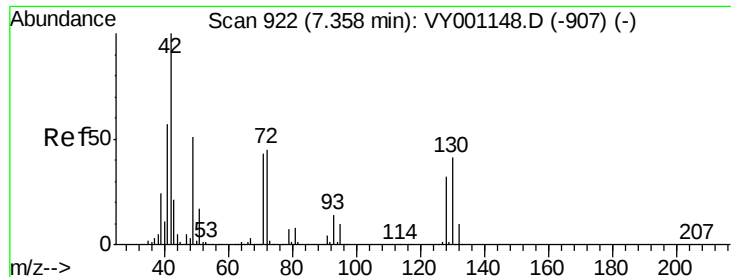


#28

Bromochloromethane
 Concen: 17.846 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.8	61.2	91.8





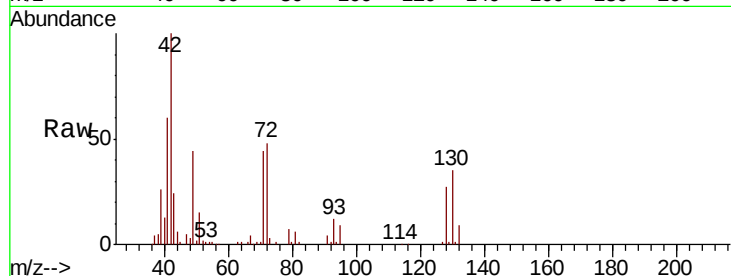
#29
Tetrahydrofuran
Concen: 101.806 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.9	55.3
71	42.3	34.0	51.0

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM

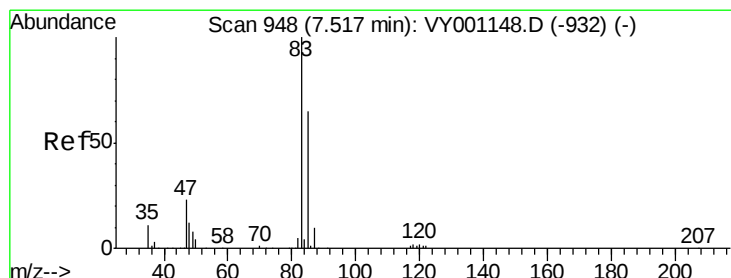
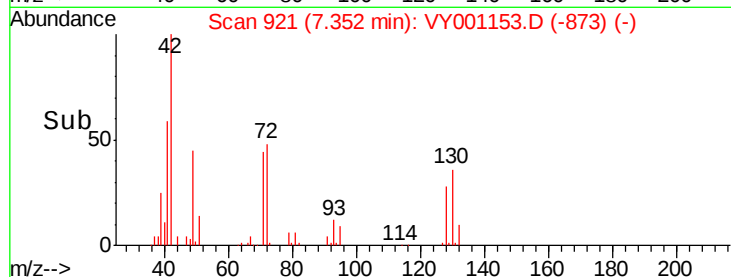
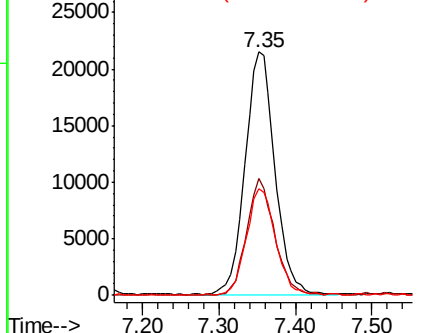


Abundance

Ion 42.00 (41.70 to 42.70): VY0

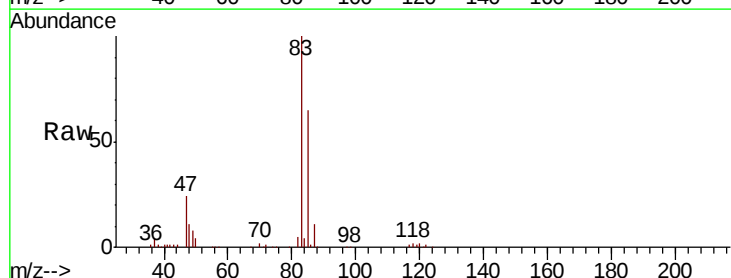
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30
Chloroform
Concen: 20.496 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

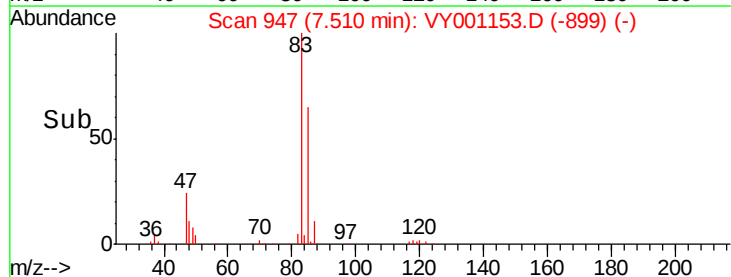
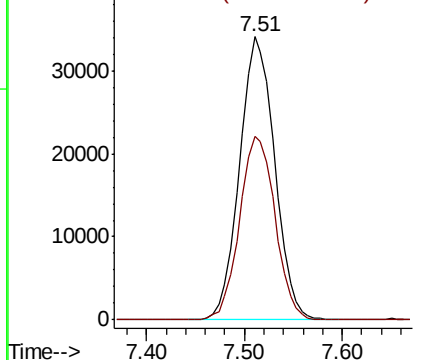
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.9	77.9

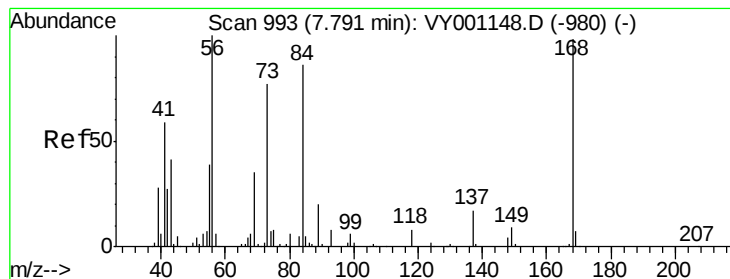


Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cvclohexane

Concen: 20.182 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 56 Resp: 90236

Ion Ratio Lower Upper

56 100

69 40.2 27.8 41.8

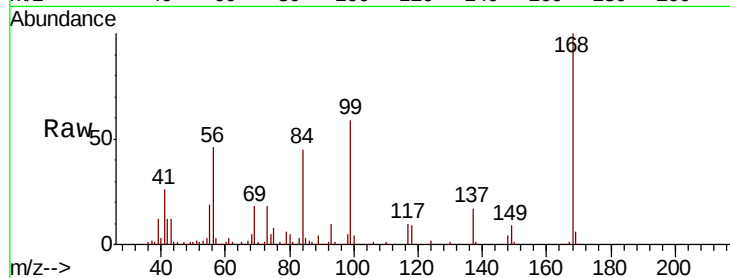
84 97.3 68.9 103.3

Manual Integrations

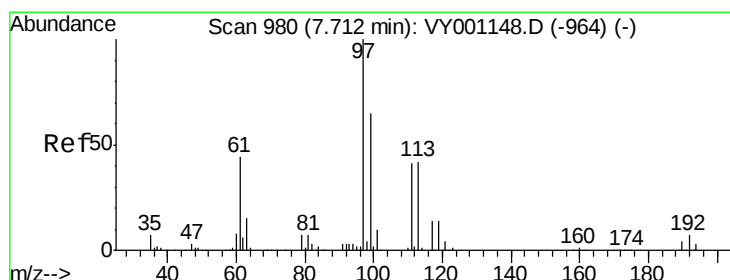
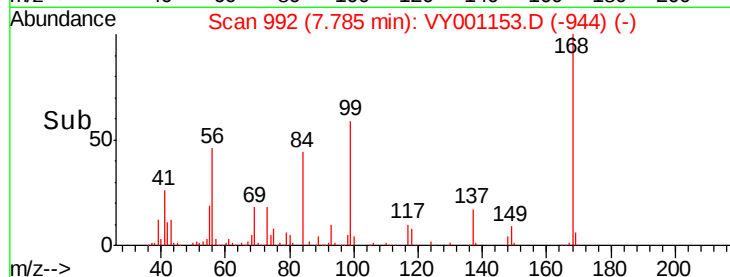
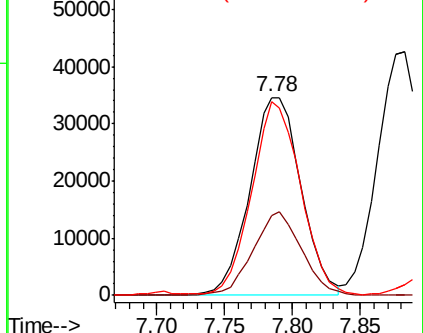
APPROVED

MMDadoda

1/13/2020 12:39:16 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.408 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

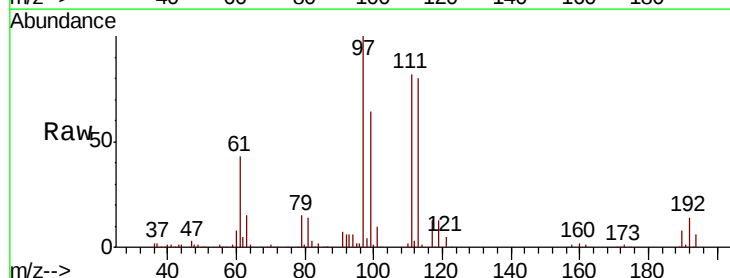
Tgt Ion: 97 Resp: 74922

Ion Ratio Lower Upper

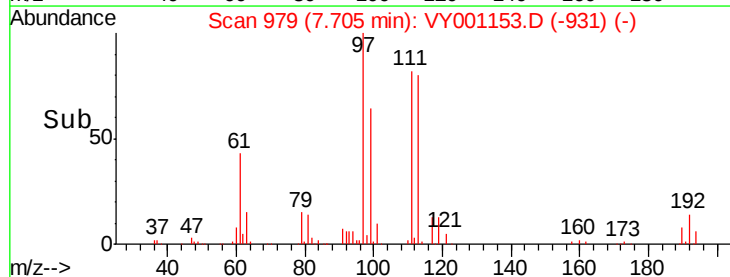
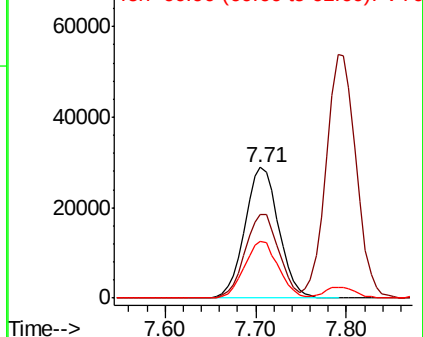
97 100

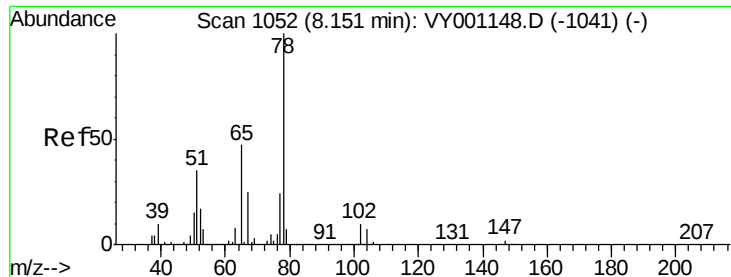
99 63.8 51.3 76.9

61 43.4 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





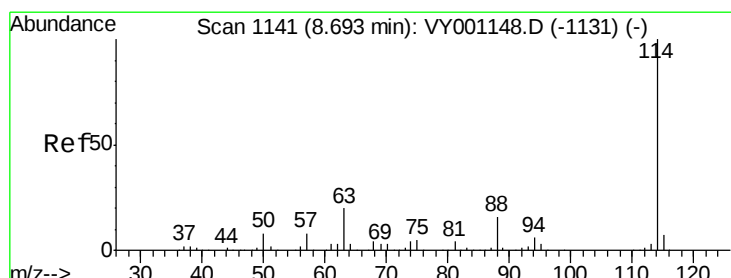
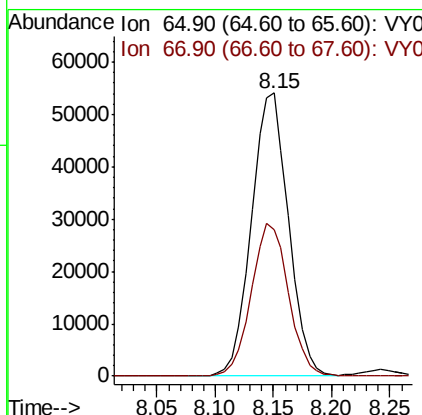
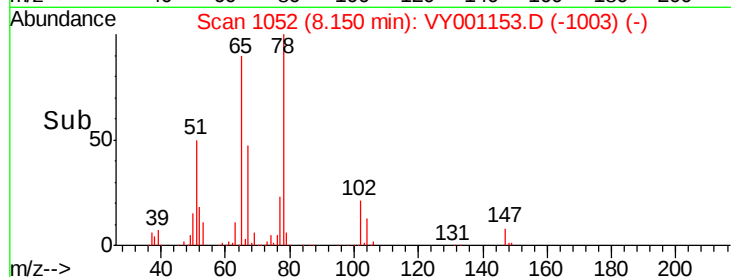
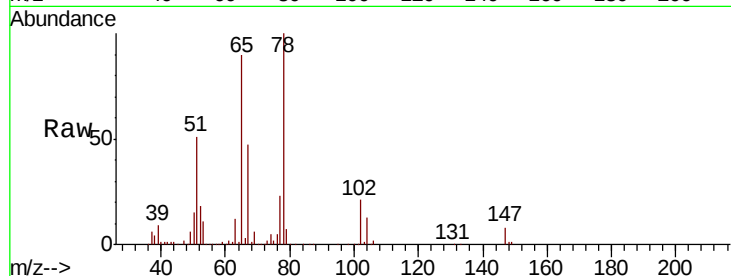
#33
 1,2-Dichloroethane-d4
 Concen: 51.835 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	105.2	

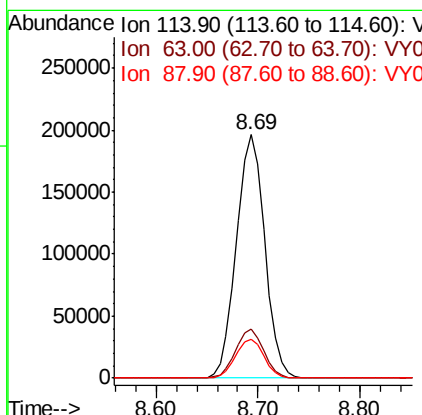
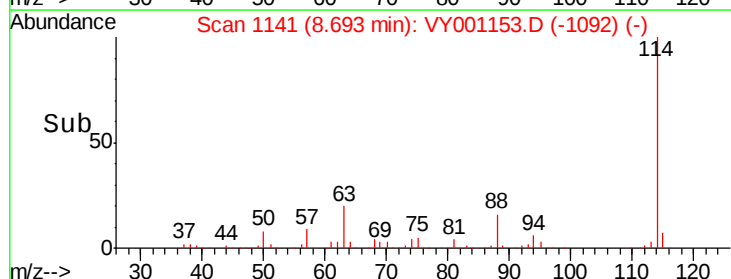
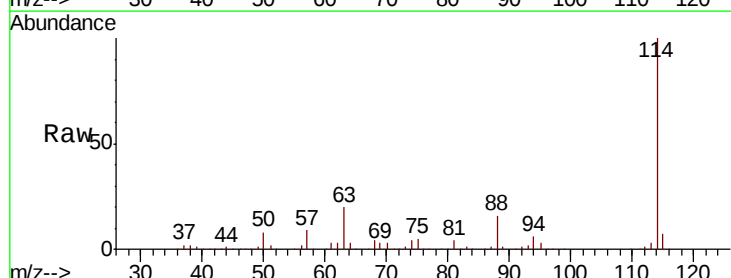
Manual Integrations
 APPROVED

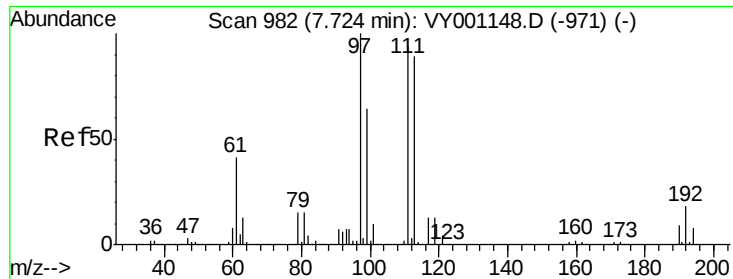
MMDadoda
 1/13/2020 12:39:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.8	
88	16.2	0.0	32.4	





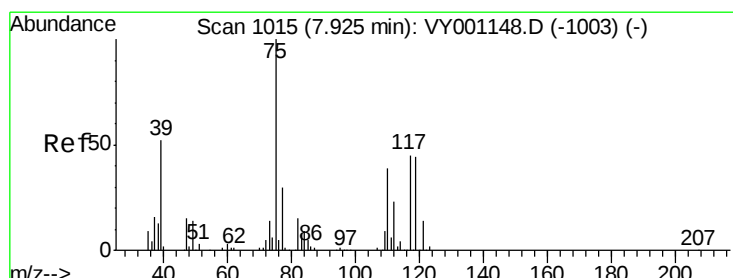
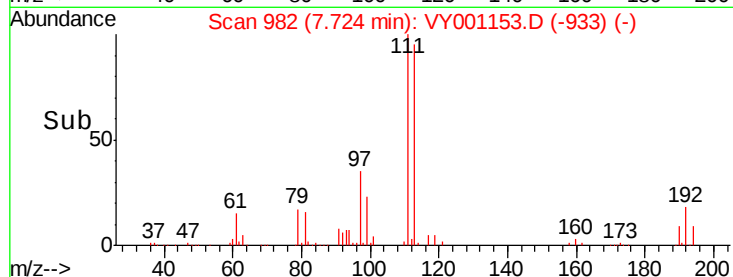
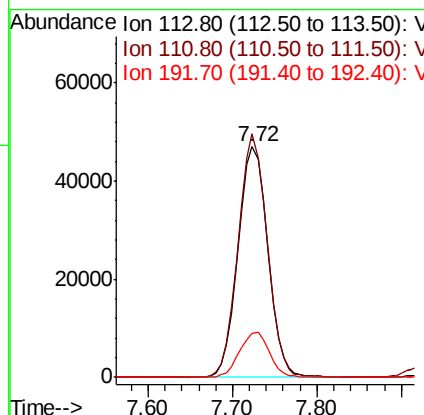
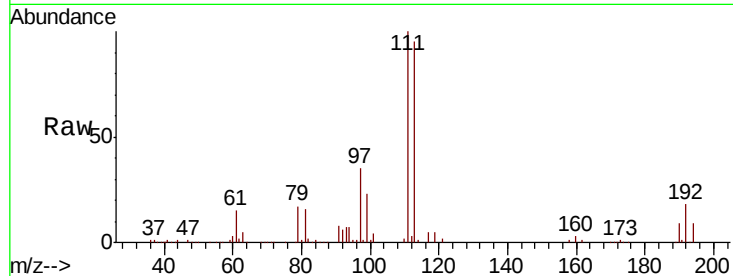
#35
Dibromofluoromethane
Concen: 50.800 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112301		
111	102.6	82.9	124.3	
192	19.5	15.4	23.2	

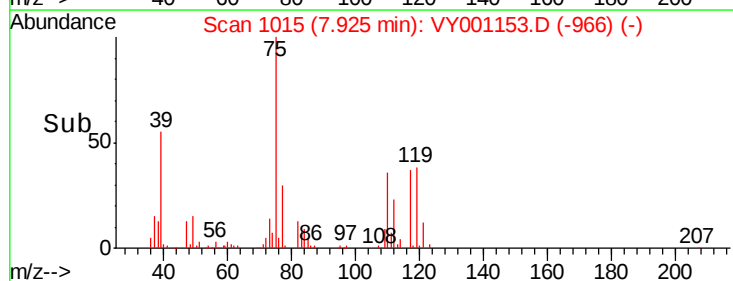
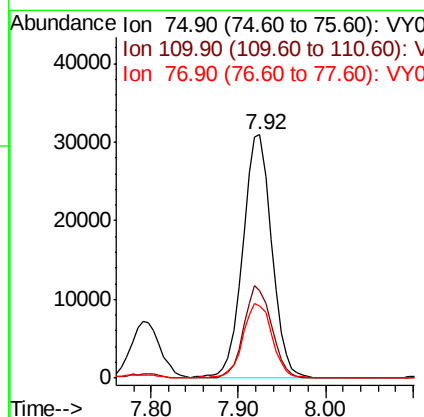
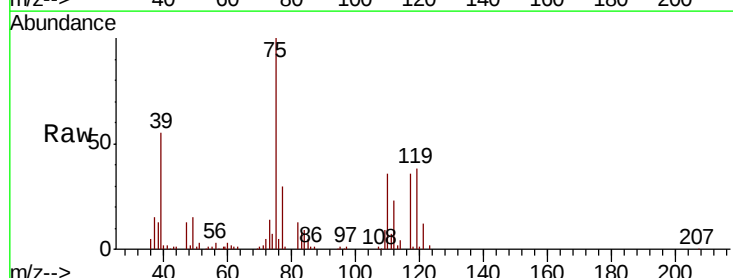
Manual Integrations
APPROVED

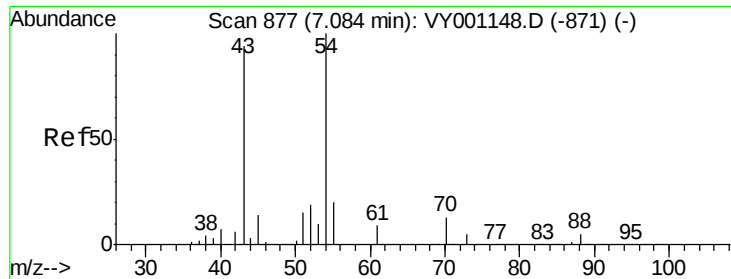
MMDadoda
1/13/2020 12:39:16 PM



#36
1,1-Dichloropropene
Concen: 20.755 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71424		
110	36.4	18.3	54.8	
77	31.3	25.1	37.7	





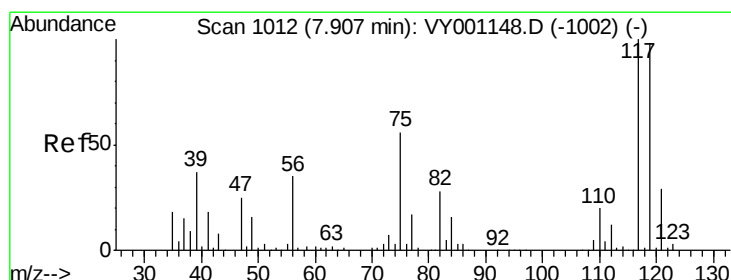
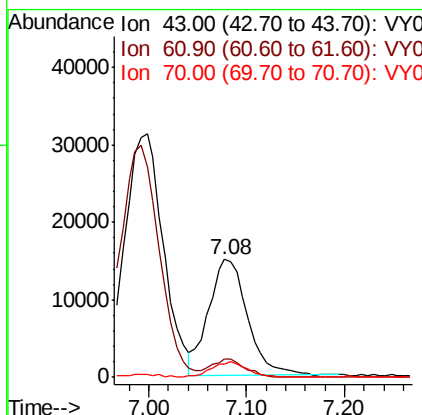
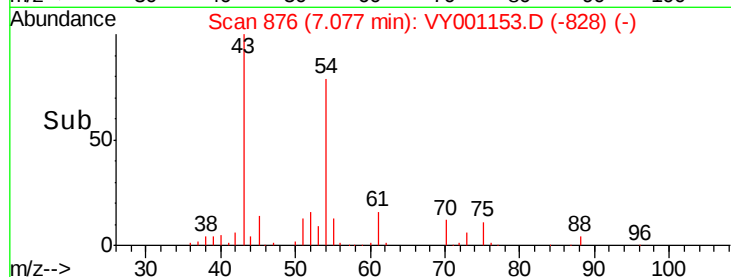
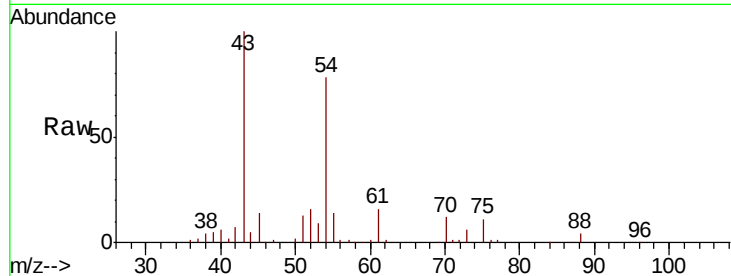
#37
Ethyl Acetate
Concen: 20.575 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	12.3	9.7	14.5

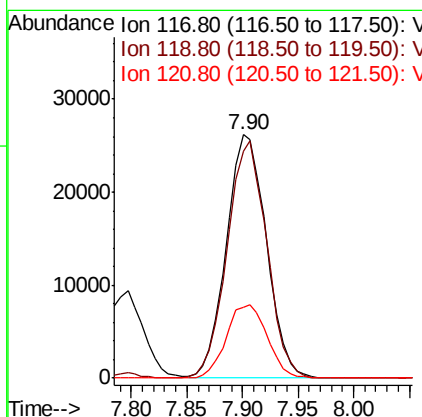
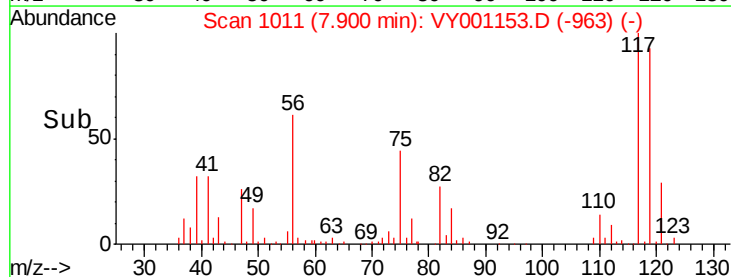
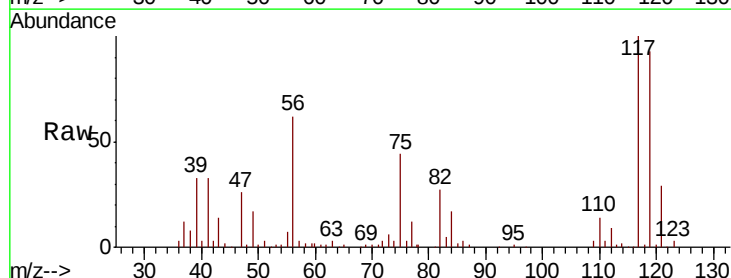
Manual Integrations
APPROVED

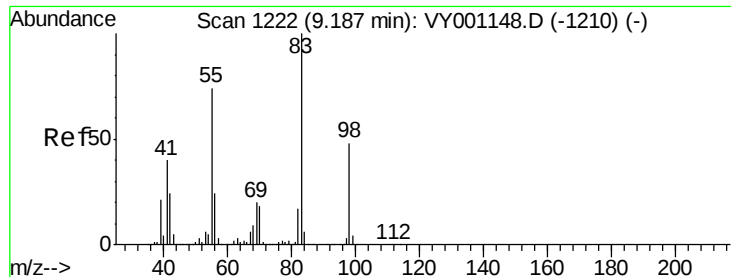
MMDadoda
1/13/2020 12:39:16 PM



#38
Carbon Tetrachloride
Concen: 20.726 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.3	117.5
121	29.3	23.5	35.3





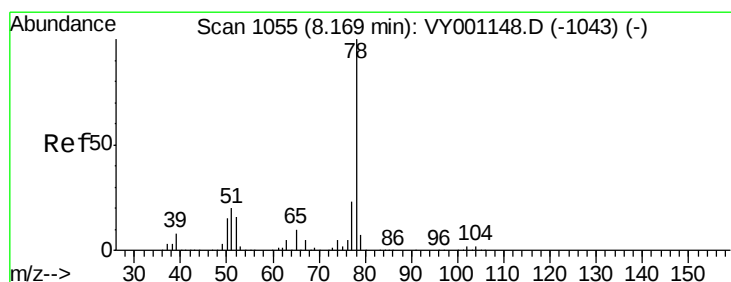
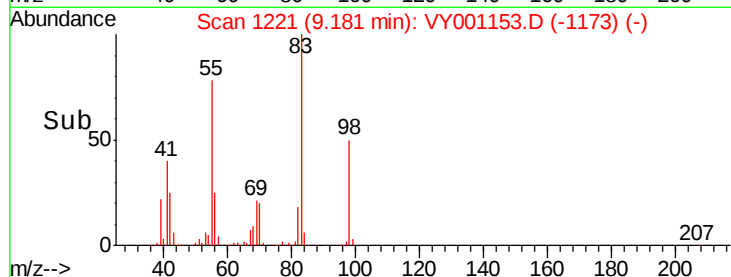
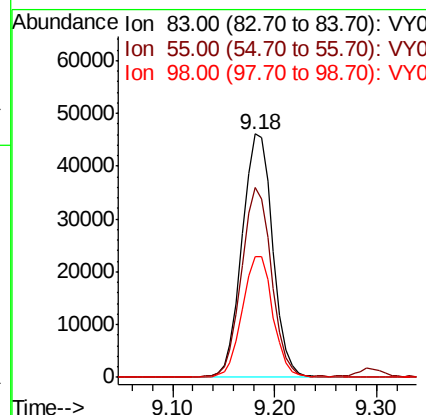
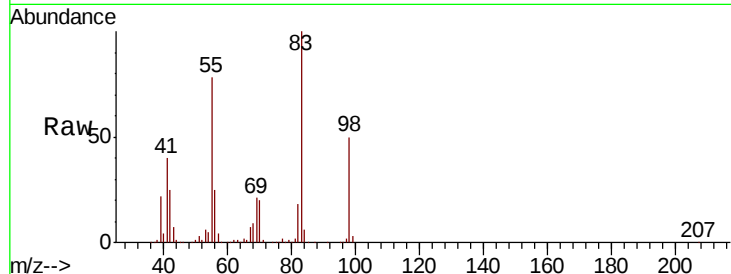
#39
Methvlcvclohexane
Concen: 20.600 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	58.9	88.3
98	49.8	38.4	57.6

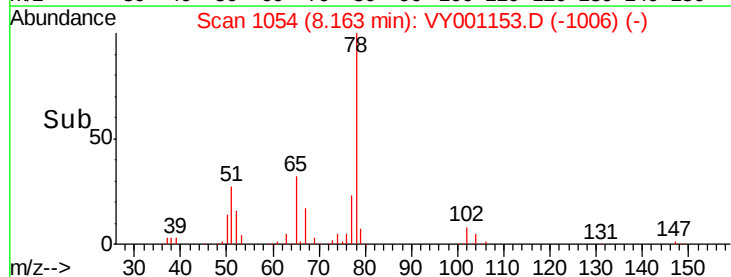
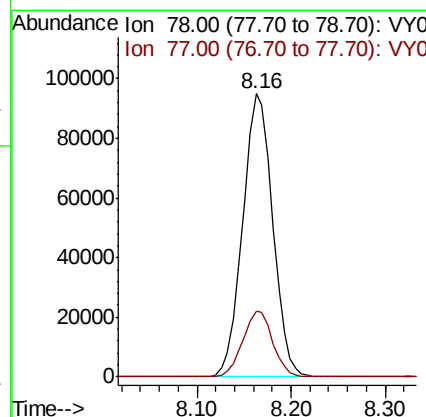
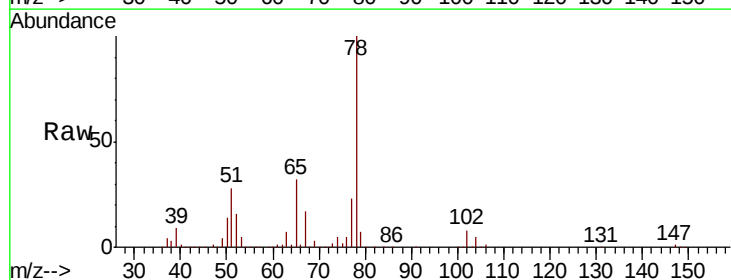
Manual Integrations
APPROVED

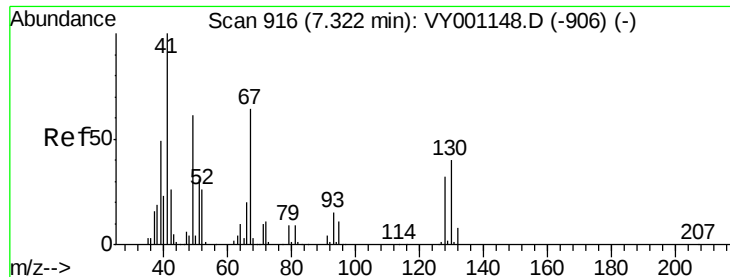
MMDadoda
1/13/2020 12:39:16 PM



#40
Benzene
Concen: 20.905 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 19.065 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 41 Resp: 18087

Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

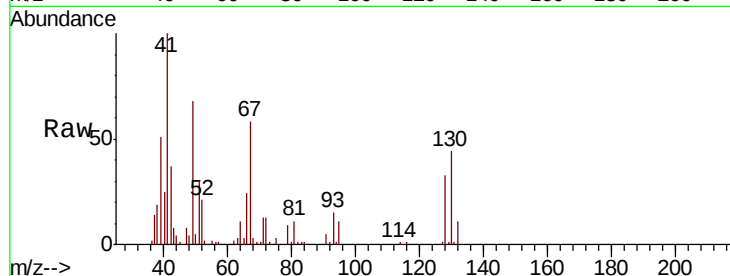
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

1/13/2020 12:39:16 PM

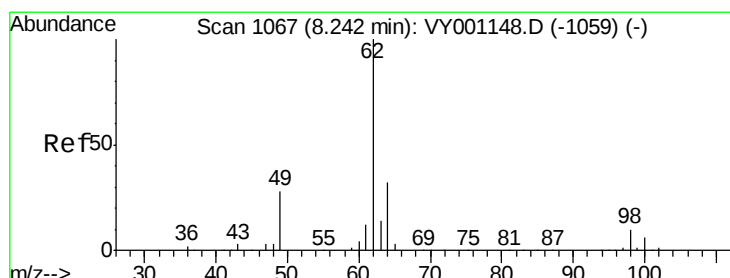
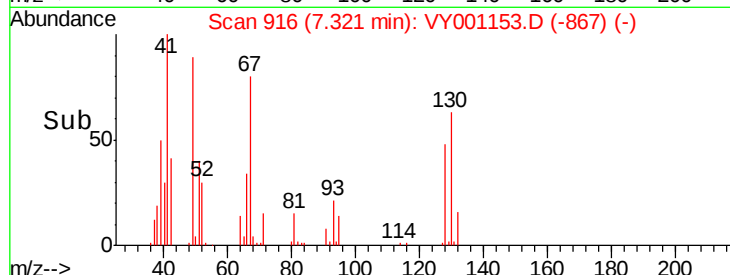
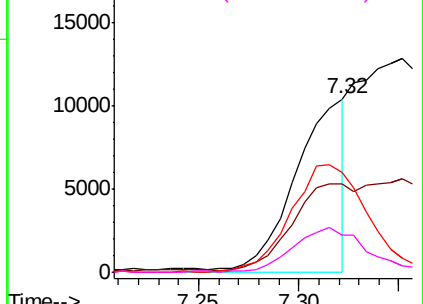


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 20.852 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY001153.D

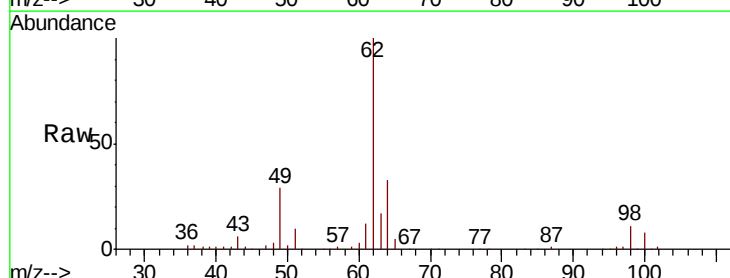
Acq: 10 Jan 2020 17:43

Tgt Ion: 62 Resp: 58653

Ion Ratio Lower Upper

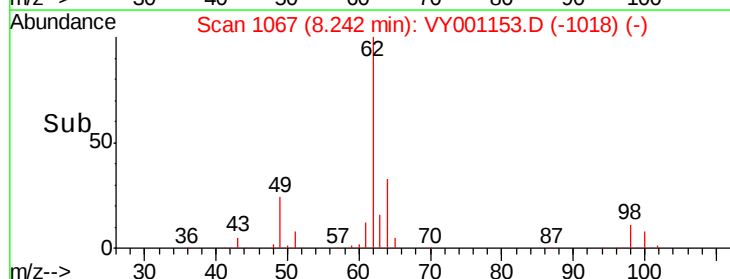
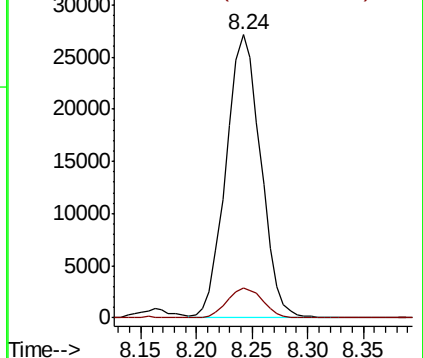
62 100

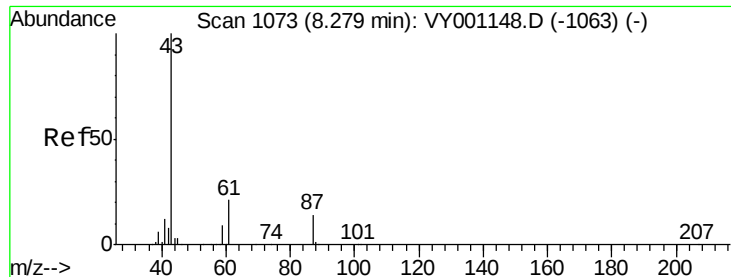
98 10.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

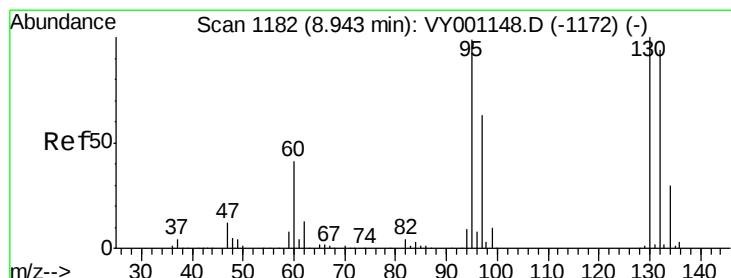
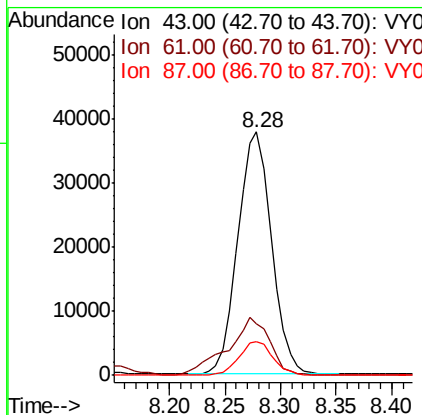
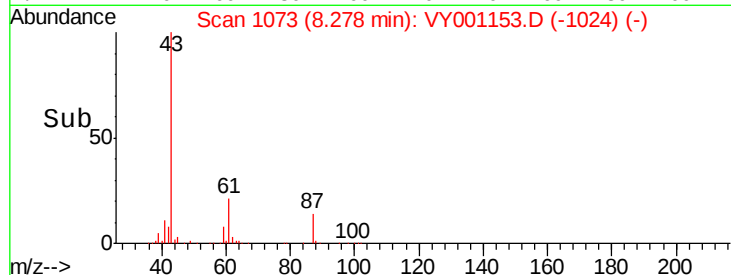
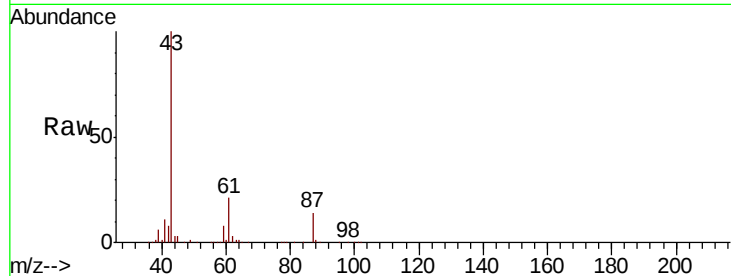
Isopropyl Acetate
 Concen: 20.658 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.9	35.9
87	14.0	11.4	17.2

Manual Integrations
 APPROVED

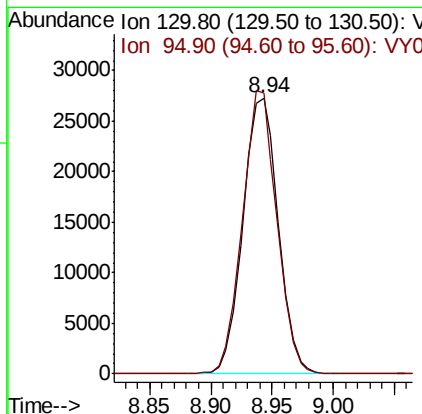
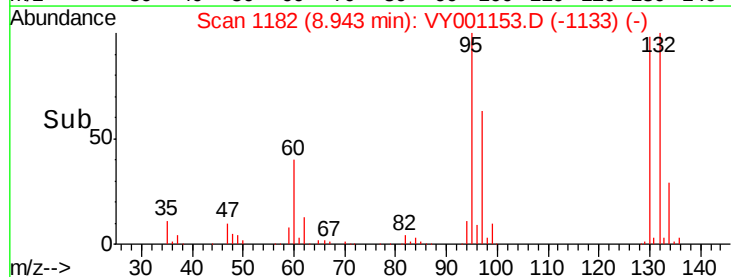
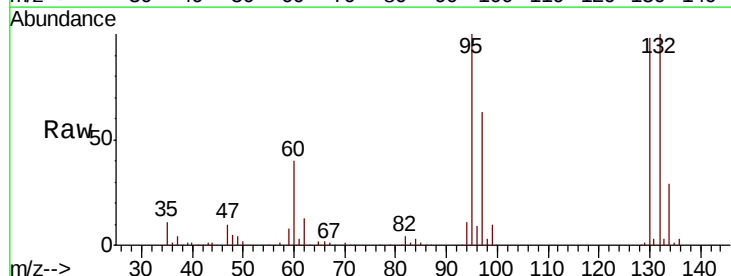
MMDadoda
 1/13/2020 12:39:16 PM

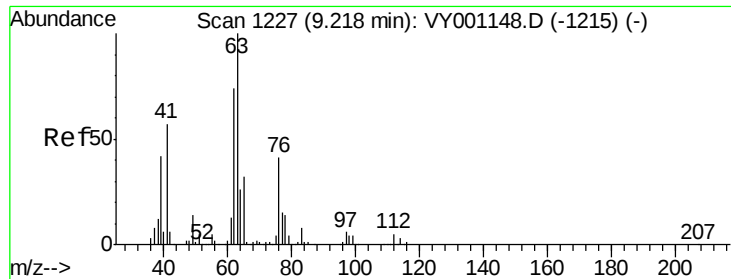


#44

Trichloroethene
 Concen: 20.911 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	197.6





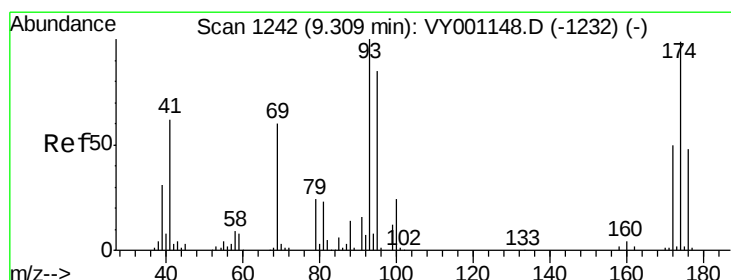
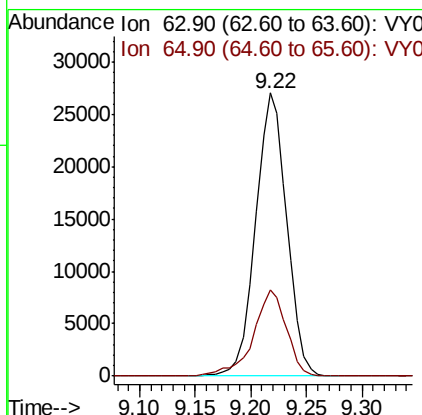
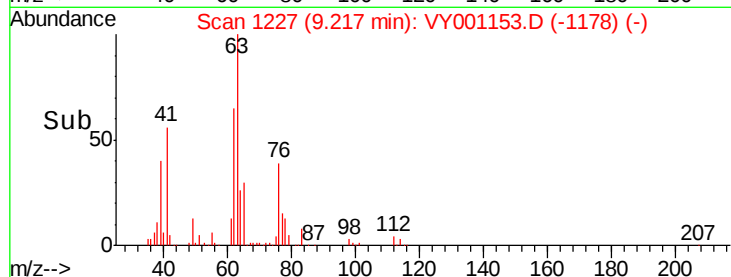
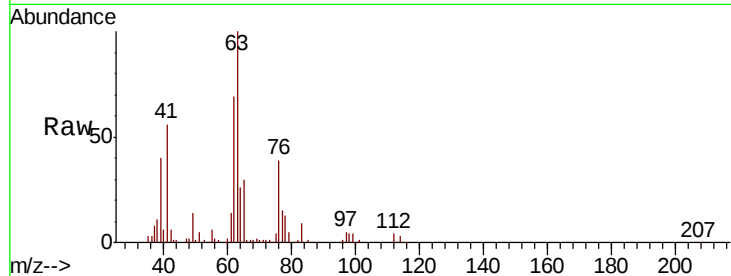
#45
 1,2-Dichloropropane
 Concen: 21.160 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.8	38.8

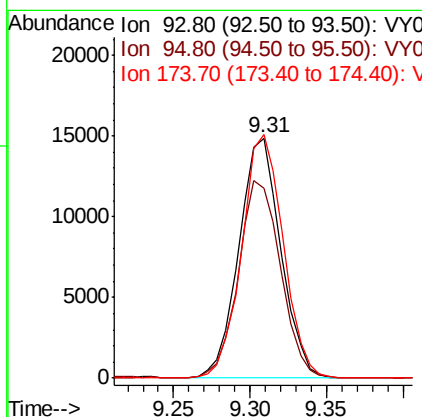
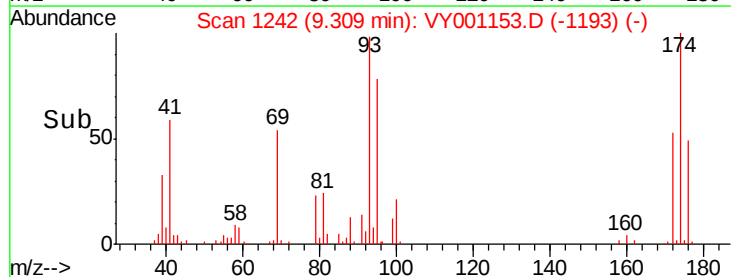
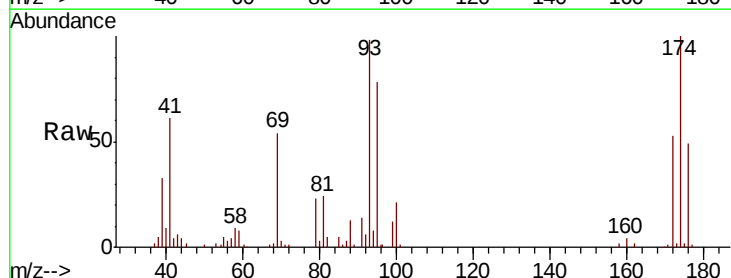
Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:16 PM



#46
 Dibromomethane
 Concen: 20.864 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.8	100.2
174	100.7	78.4	117.6





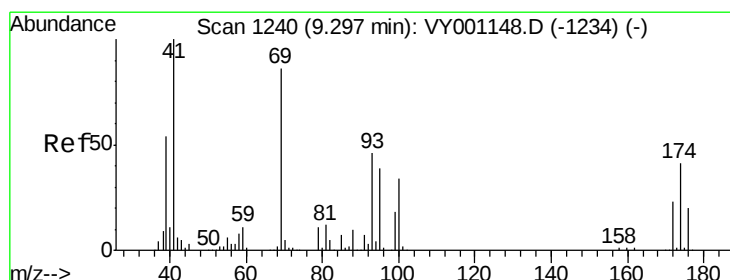
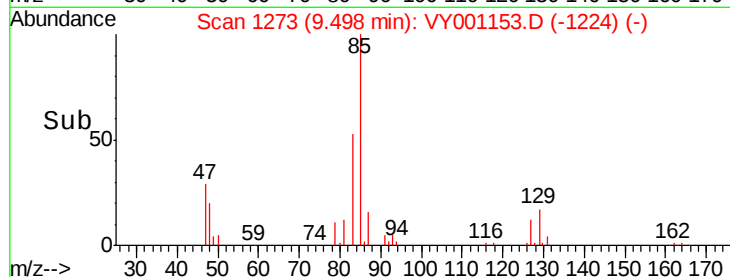
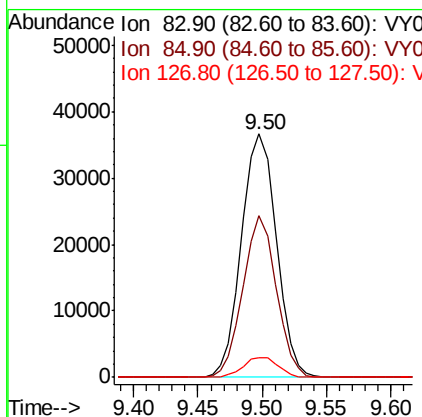
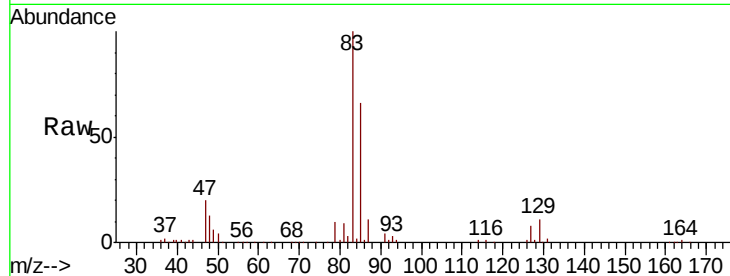
#47
Bromodichloromethane
Concen: 20.895 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	83	Resp	69001
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	51.5	77.3
127	7.9	6.3	9.5

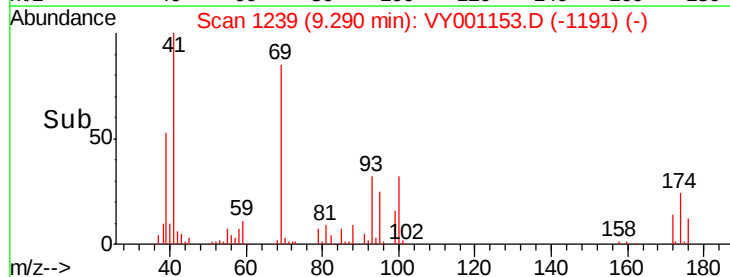
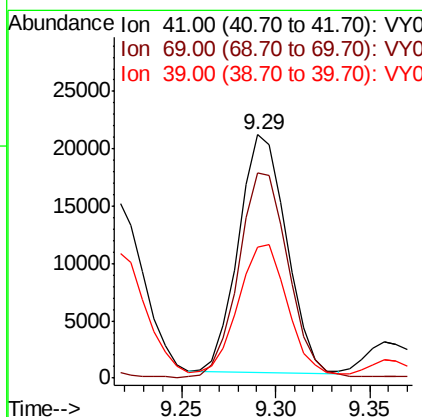
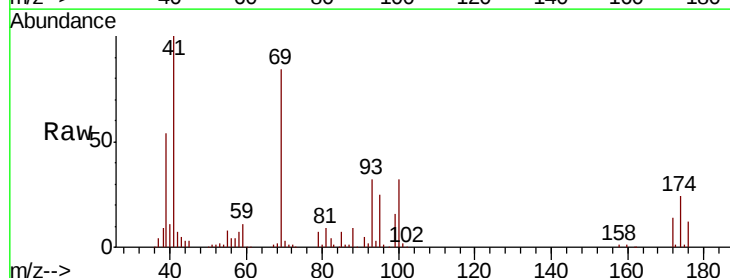
Manual Integrations
APPROVED

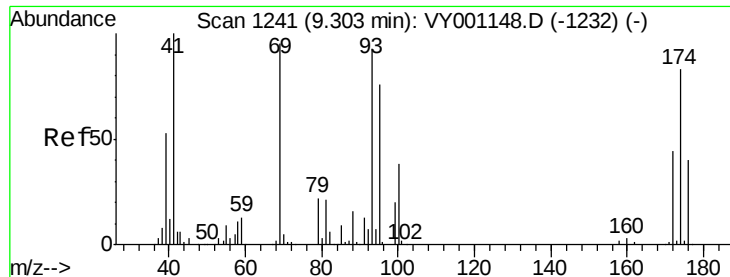
MMDadoda
1/13/2020 12:39:16 PM



#48
Methyl methacrylate
Concen: 20.499 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	41	Resp	36634
Ion Ratio	100	Lower	Upper
41	100		
69	88.7	69.8	104.8
39	55.5	45.2	67.8





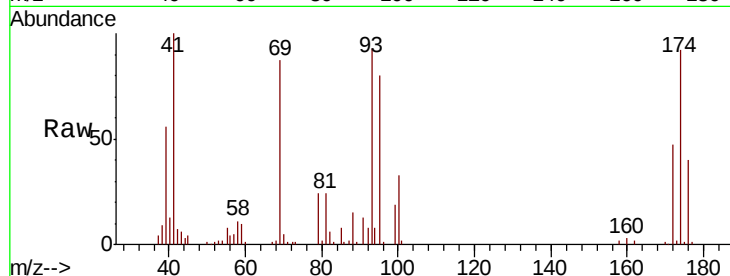
#49
1,4-Dioxane
Concen: 375.000 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

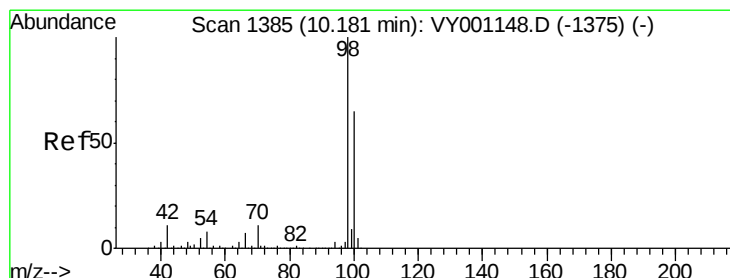
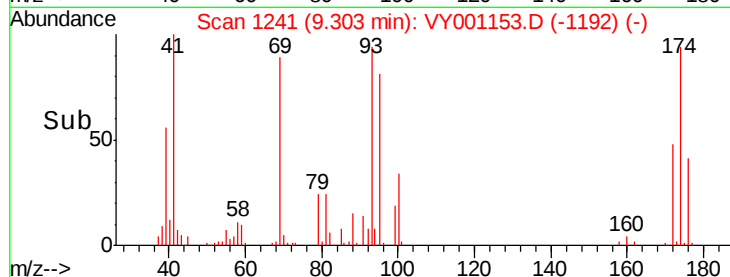
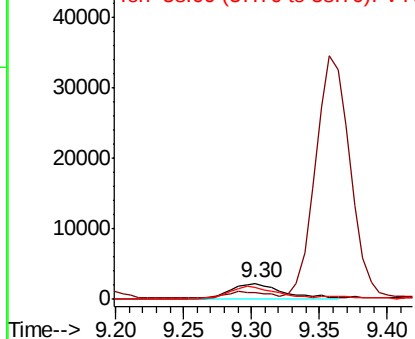
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	22.4	33.6#
58	76.0	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM

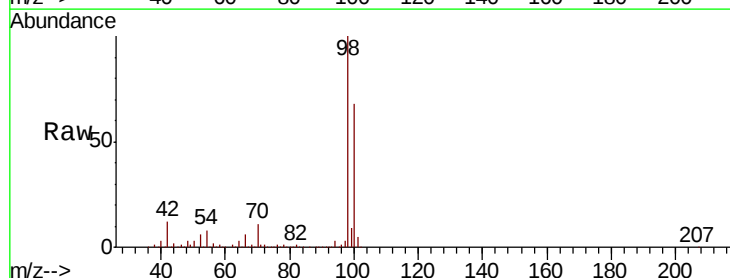


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

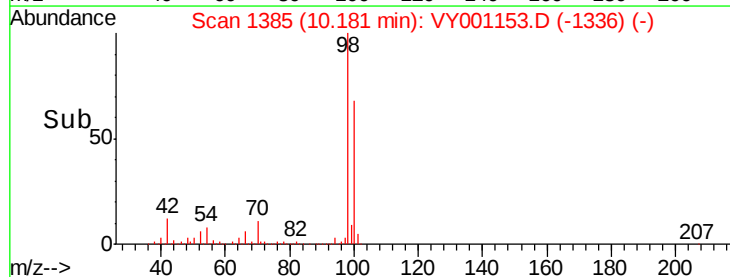
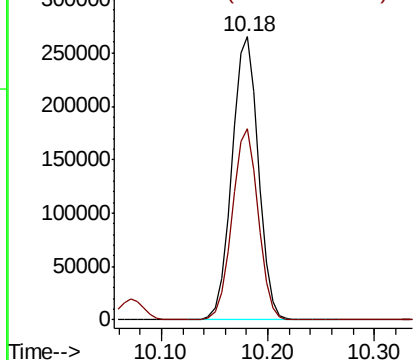


#50
Toluene-d8
Concen: 54.055 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 102.550 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 43 Resp: 200952

Ion Ratio Lower Upper

43 100

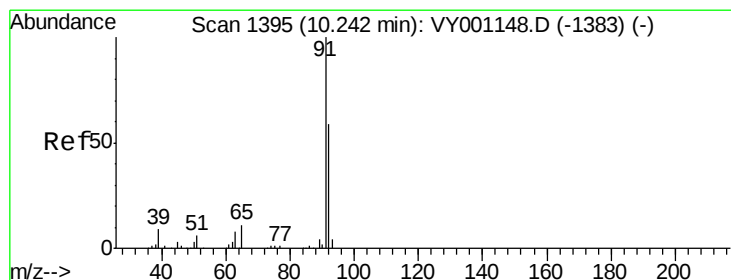
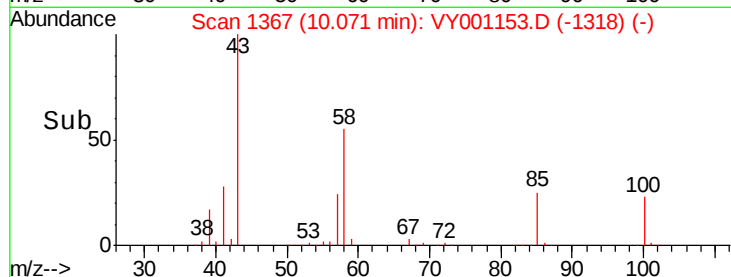
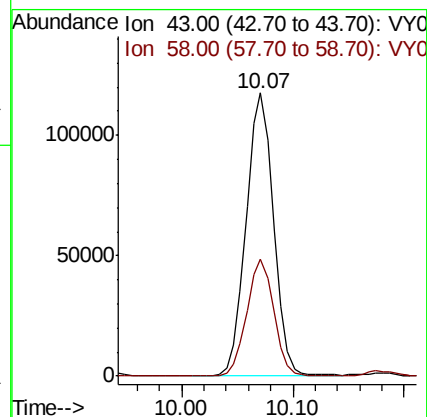
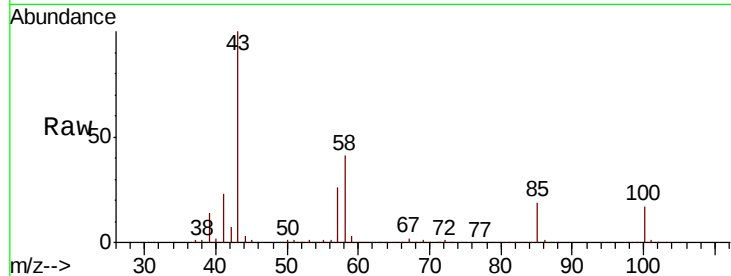
58 40.9 32.3 48.5

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:16 PM



#52

Toluene

Concen: 21.006 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001153.D

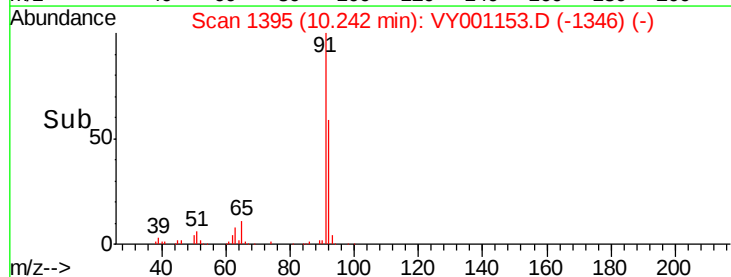
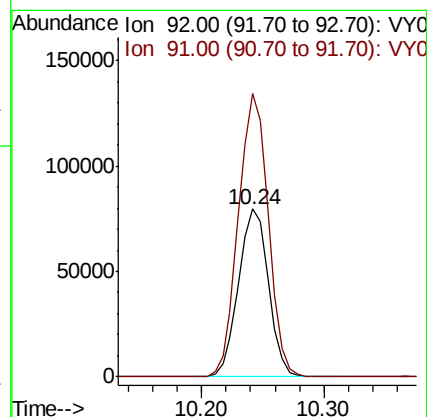
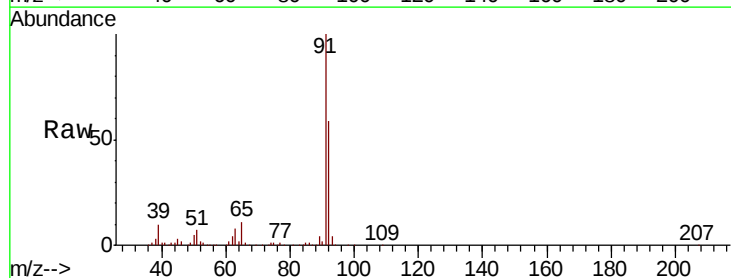
Acq: 10 Jan 2020 17:43

Tgt Ion: 92 Resp: 134587

Ion Ratio Lower Upper

92 100

91 168.6 136.6 204.8





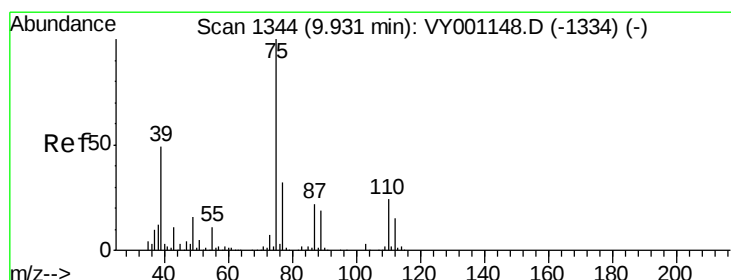
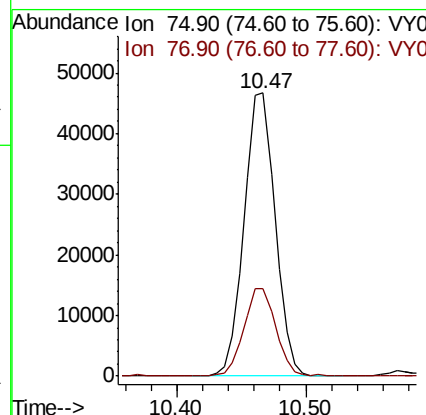
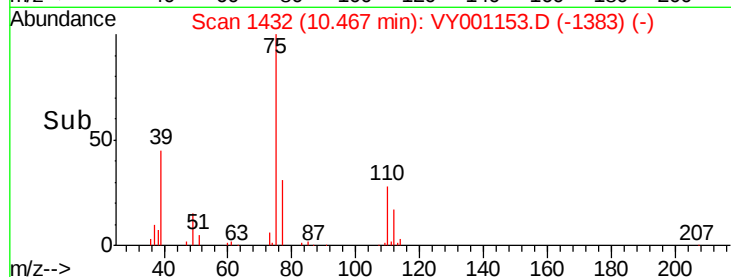
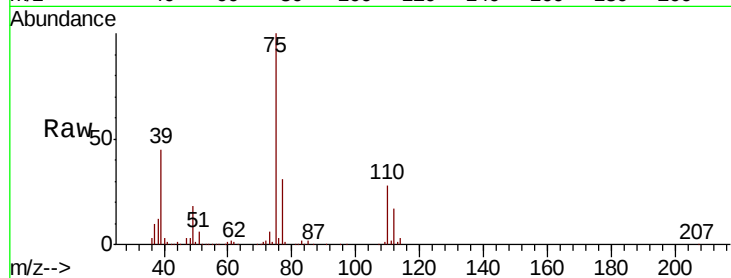
#53
t-1,3-Dichloropropene
Concen: 21.039 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 75 Resp: 77743
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2

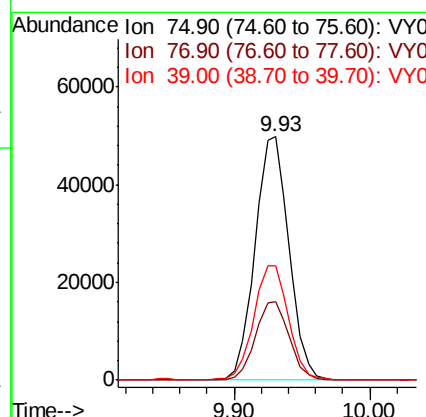
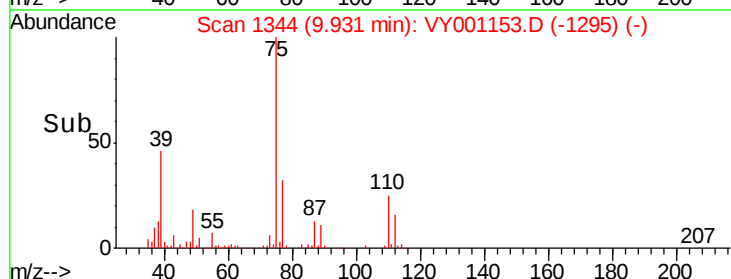
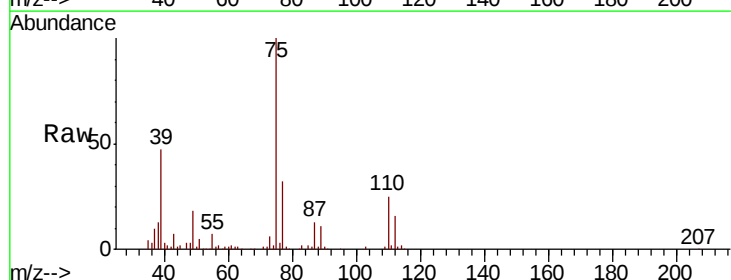
Manual Integrations
APPROVED

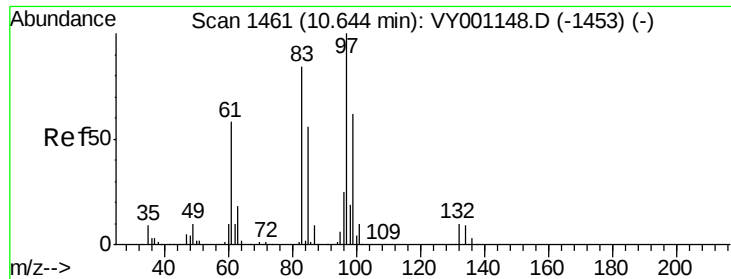
MMDadoda
1/13/2020 12:39:16 PM



#54
cis-1,3-Dichloropropene
Concen: 20.919 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 75 Resp: 87151
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9
39 46.5 39.1 58.7





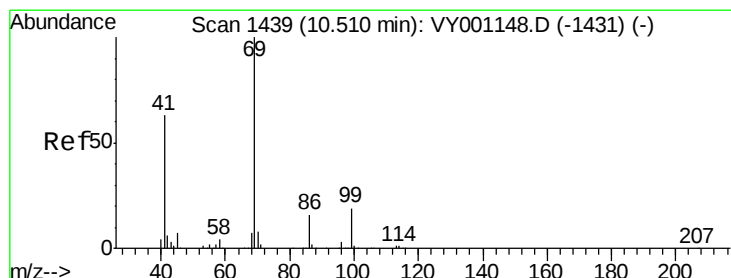
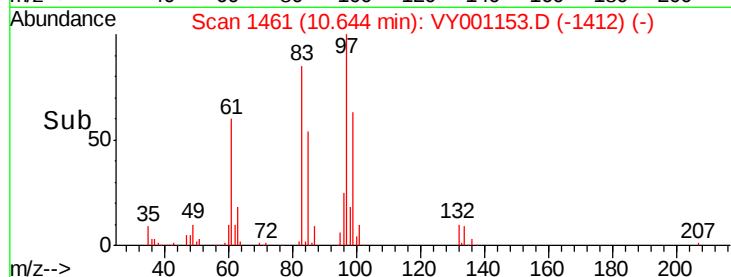
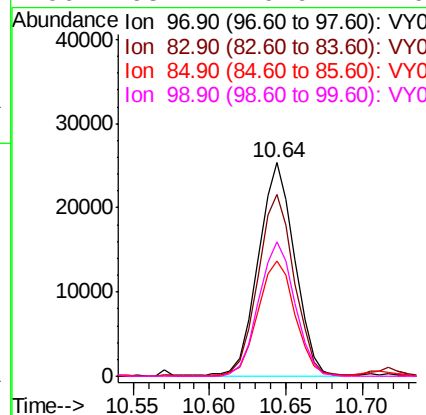
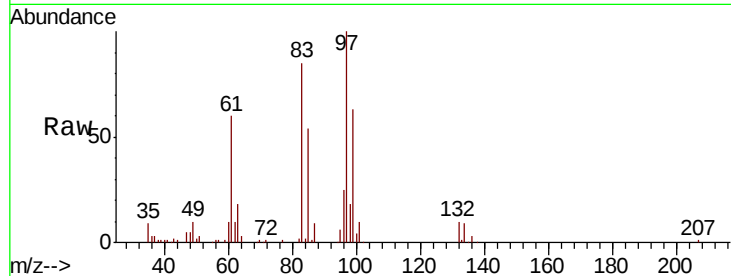
#55
 1,1,2-Trichloroethane
 Concen: 20.968 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.2	100.8
85	54.2	44.9	67.3
99	63.2	49.9	74.9

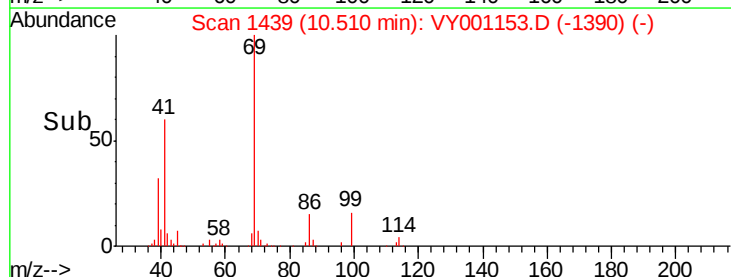
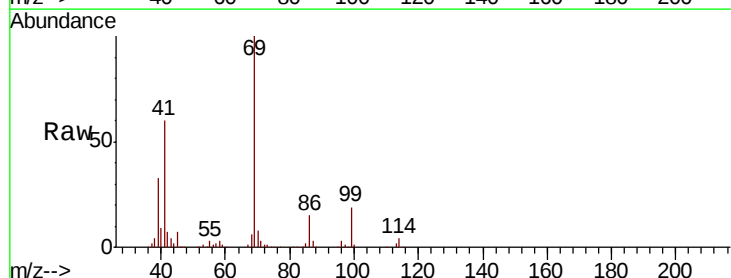
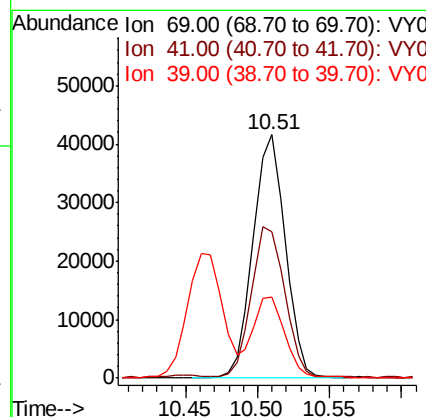
Manual Integrations
 APPROVED

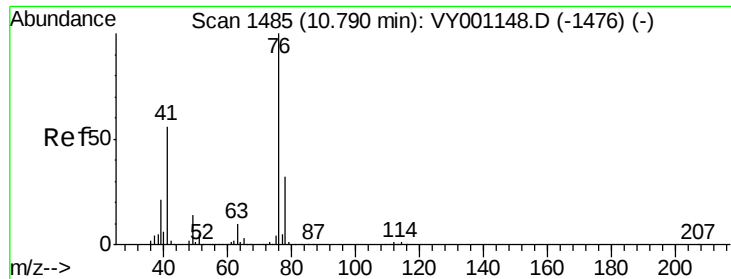
MMDadoda
 1/13/2020 12:39:16 PM



#56
 Ethyl methacrylate
 Concen: 21.048 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.4	77.2
39	32.9	26.3	39.5





#57

1,3-Dichloropropane

Concen: 21.000 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 76 Resp: 72420

Ion Ratio Lower Upper

76 100

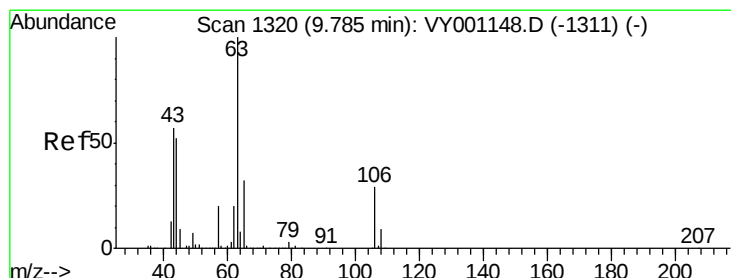
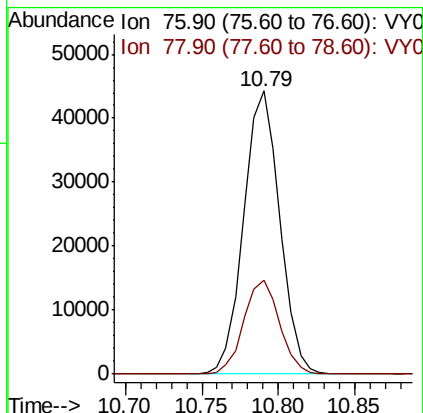
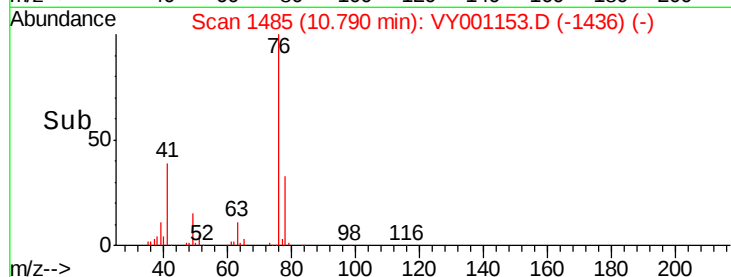
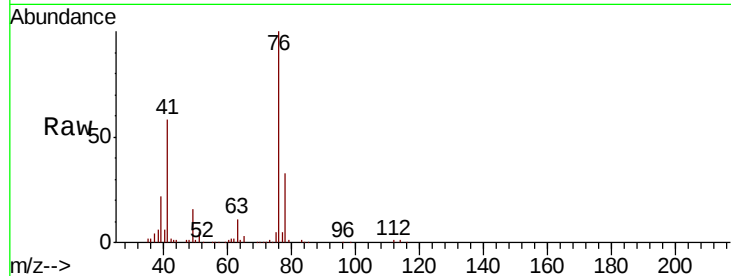
78 33.1 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.293 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001153.D

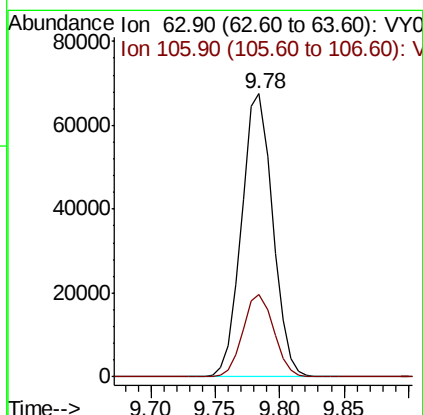
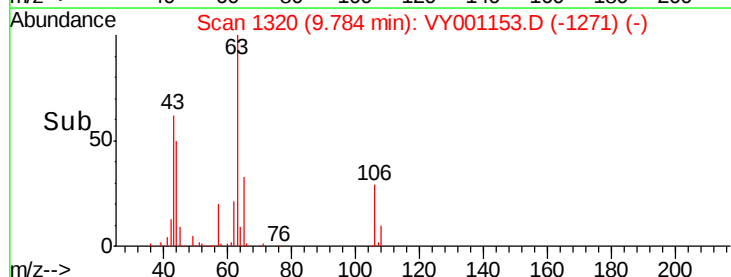
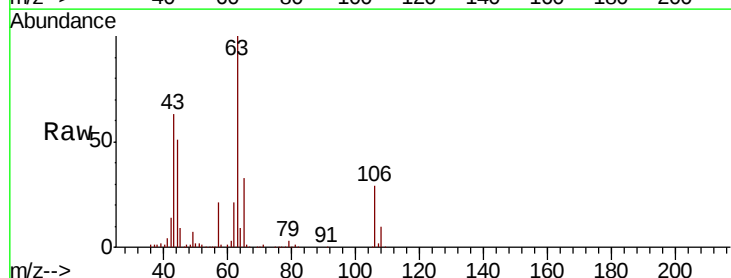
Acq: 10 Jan 2020 17:43

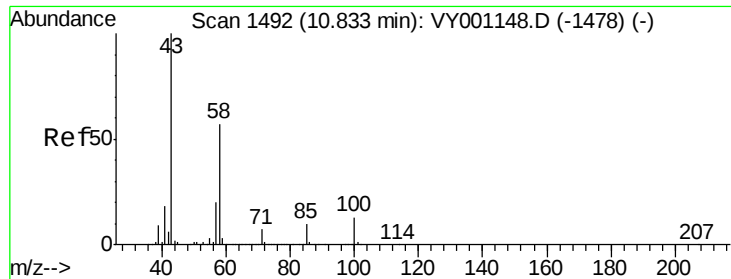
Tgt Ion: 63 Resp: 112712

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6





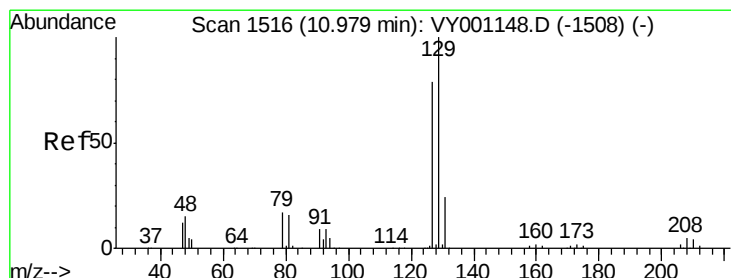
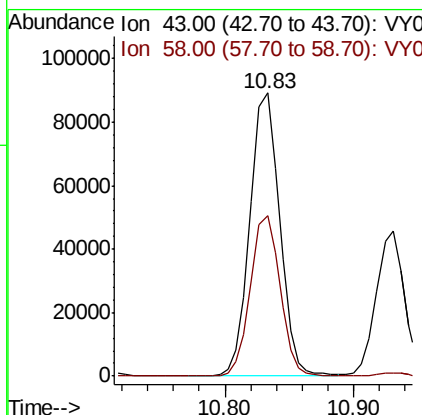
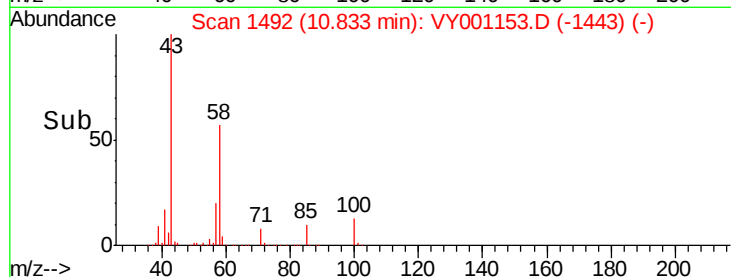
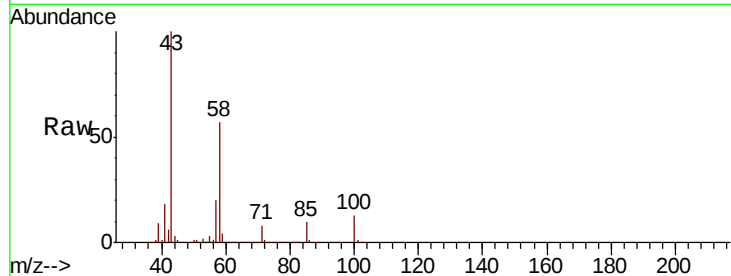
#59
2-Hexanone
Concen: 103.374 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 43 Resp: 141965
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.2

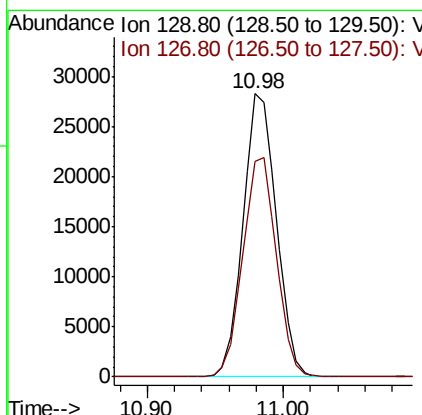
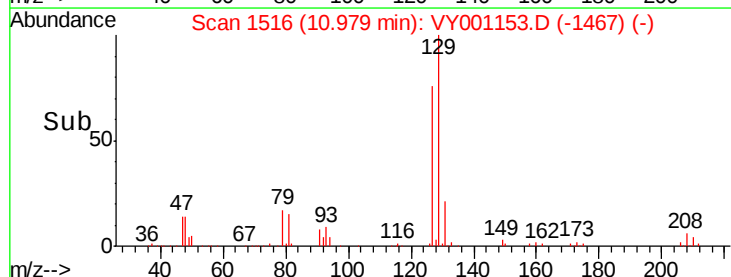
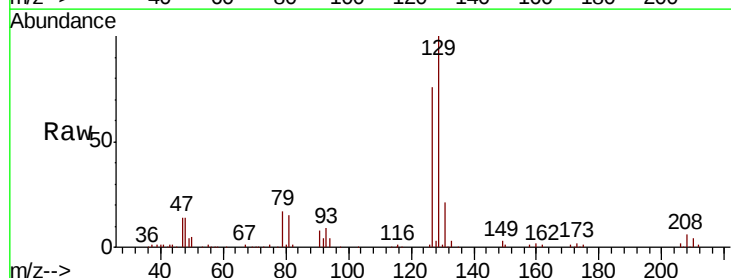
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



#60
Dibromochloromethane
Concen: 20.962 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 129 Resp: 48482
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7





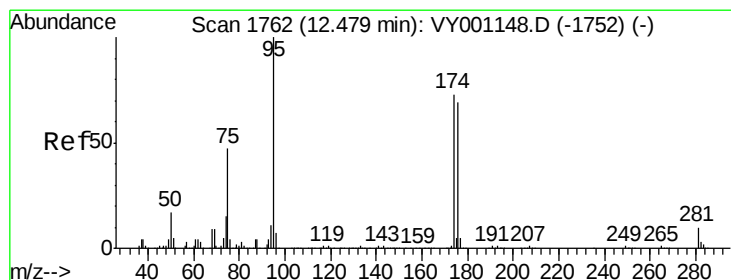
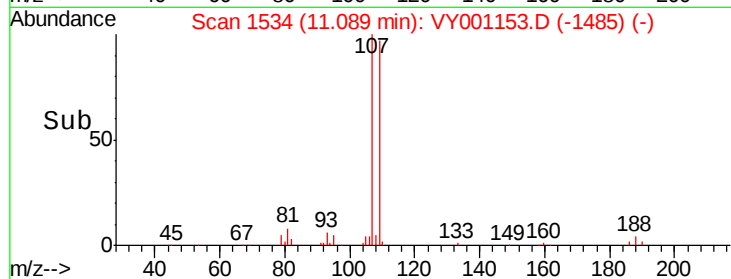
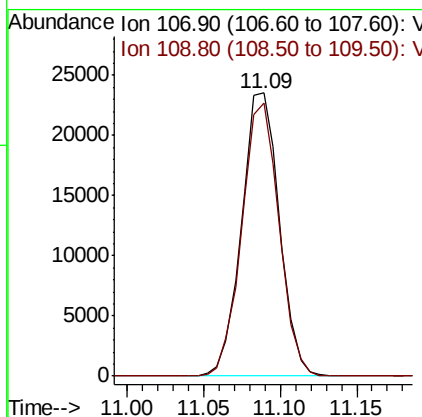
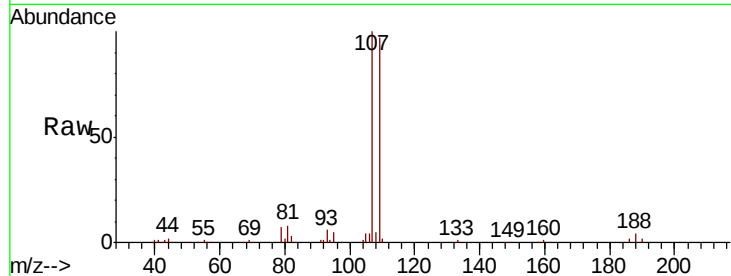
#61
 1,2-Dibromoethane
 Concen: 20.564 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.0

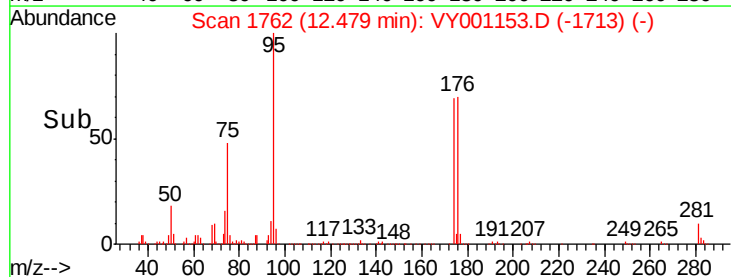
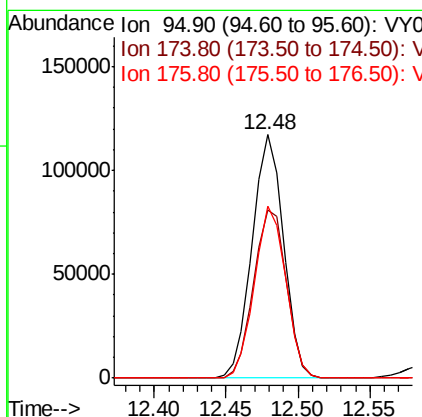
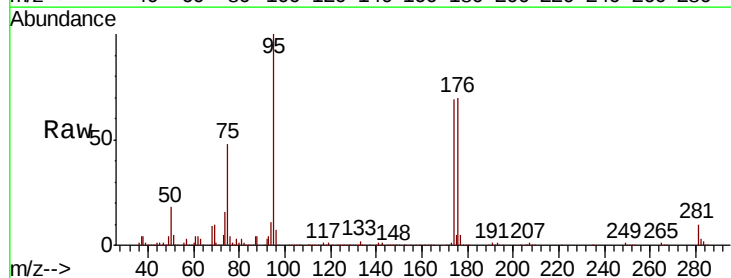
Manual Integrations
 APPROVED

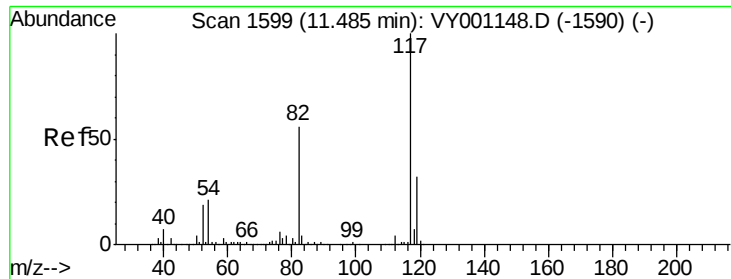
MMDadoda
 1/13/2020 12:39:16 PM



#62
 4-Bromofluorobenzene
 Concen: 50.710 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	143.2
176	70.4	0.0	136.0





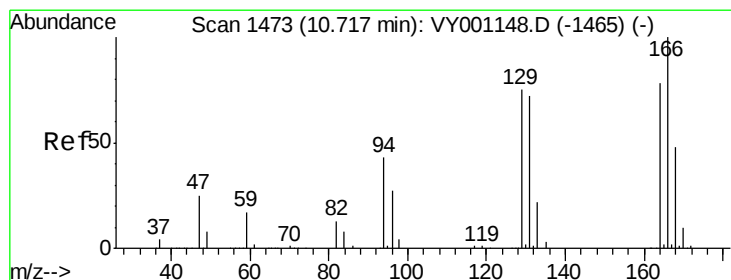
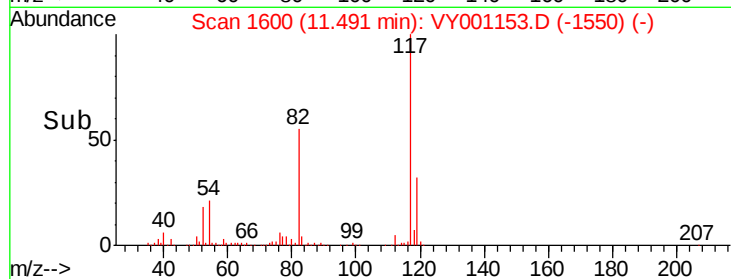
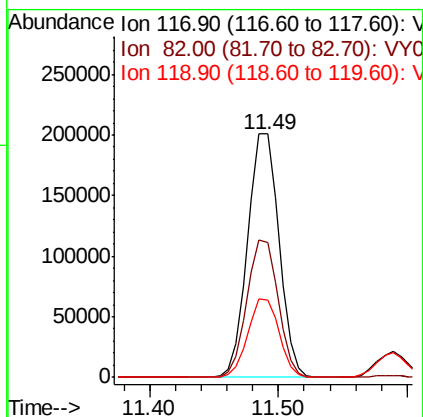
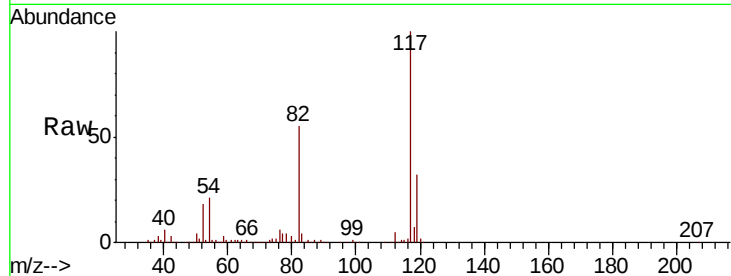
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	337624		
82	55.1		44.9	67.3
119	31.9		25.7	38.5

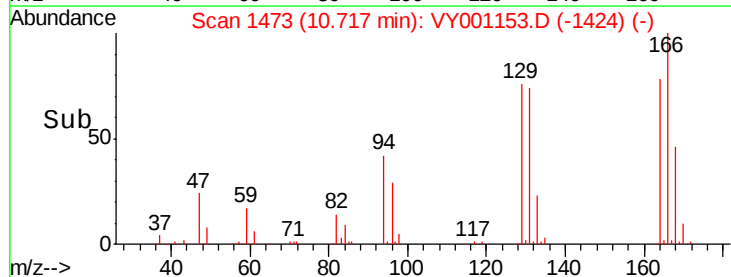
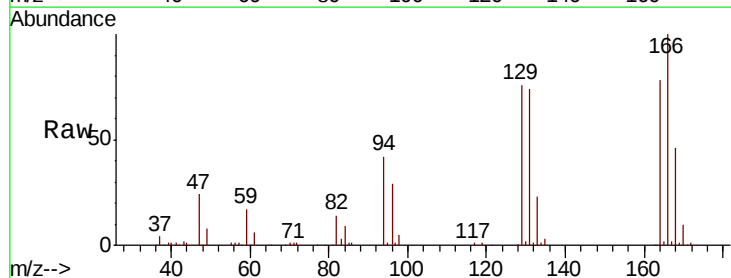
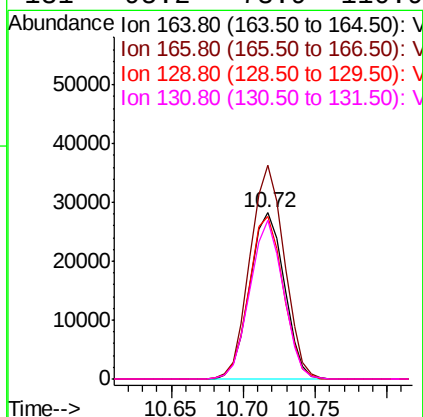
Manual Integrations
APPROVED

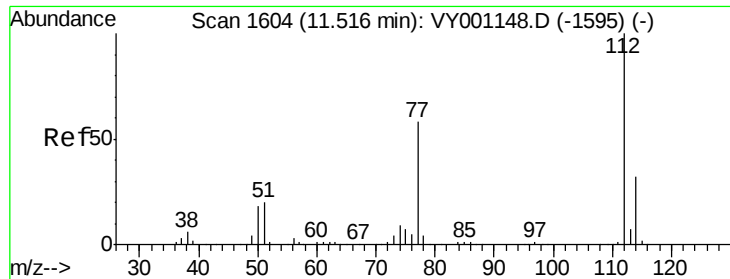
MMDadoda
1/13/2020 12:39:16 PM



#64
Tetrachloroethene
Concen: 21.505 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46803		
166	128.5		102.3	153.5
129	97.6		76.2	114.4
131	95.2		73.9	110.9





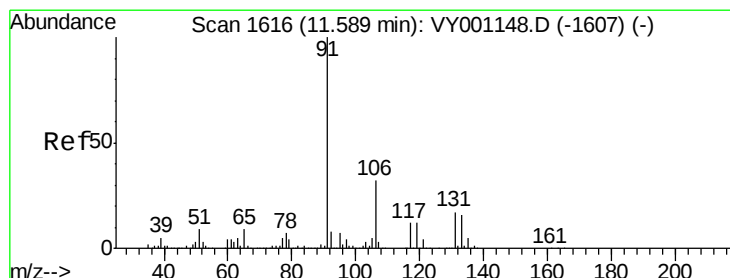
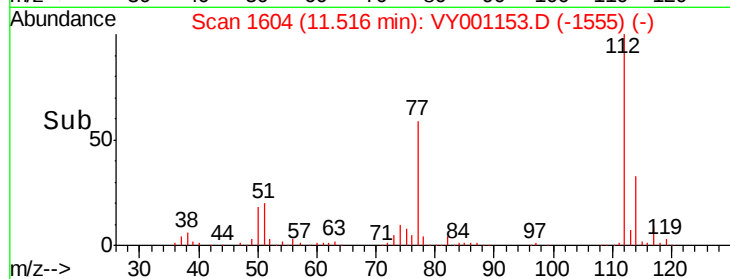
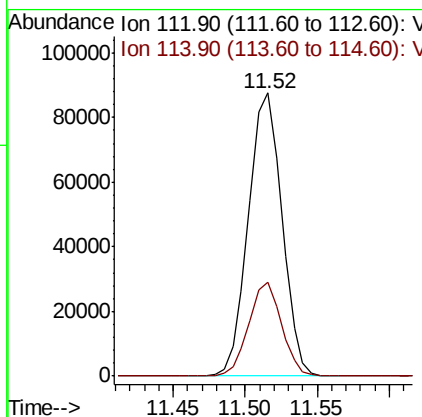
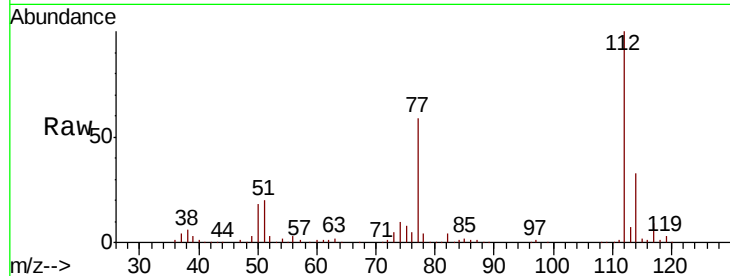
#65
Chlorobenzene
Concen: 20.929 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion:112 Resp: 141196
Ion Ratio Lower Upper
112 100
114 33.3 25.9 38.9

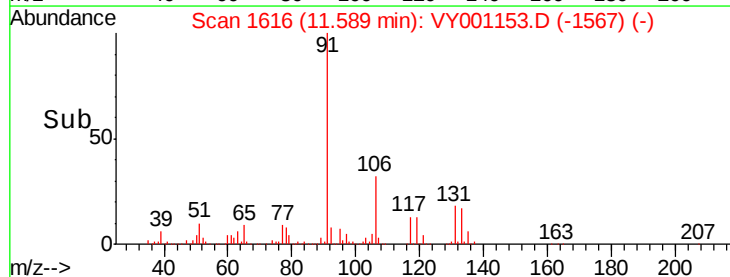
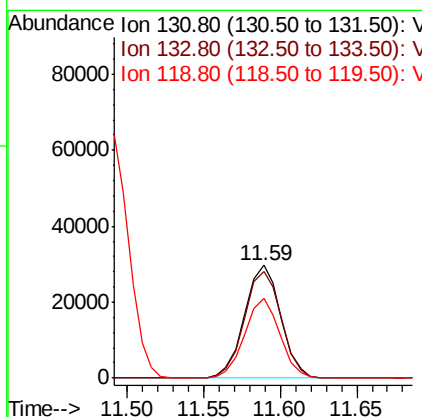
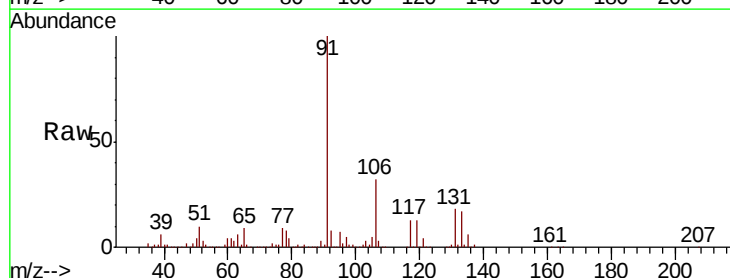
Manual Integrations
APPROVED

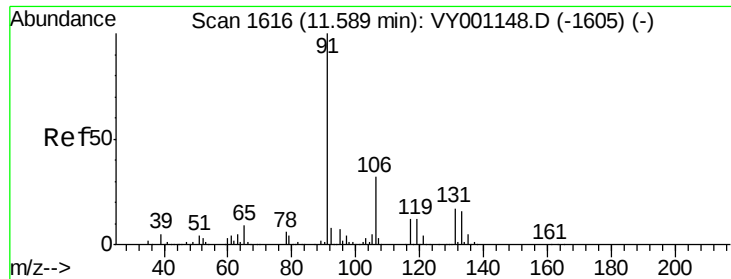
MMDadoda
1/13/2020 12:39:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.980 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion:131 Resp: 48781
Ion Ratio Lower Upper
131 100
133 96.4 47.3 142.0
119 69.1 33.6 100.8





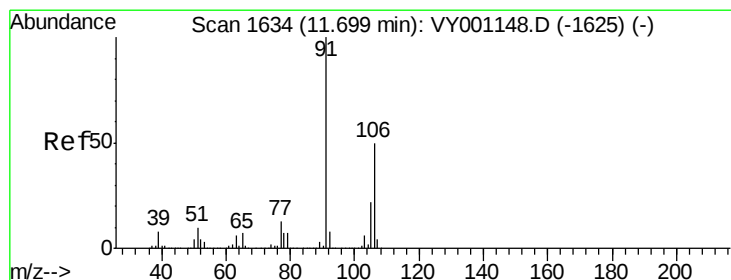
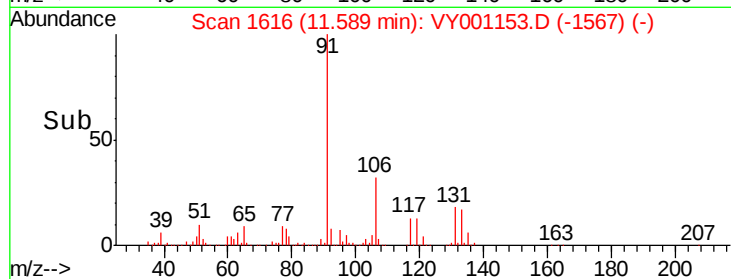
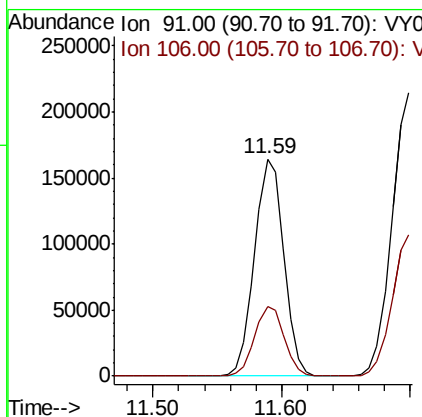
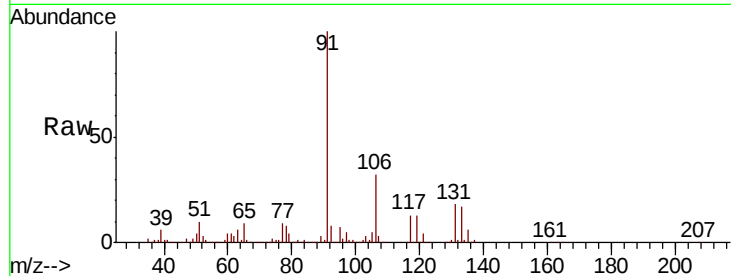
#67
Ethyl Benzene
Concen: 20.889 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 91 Resp: 257790
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9

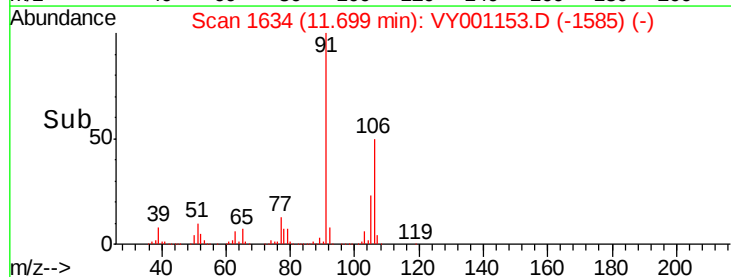
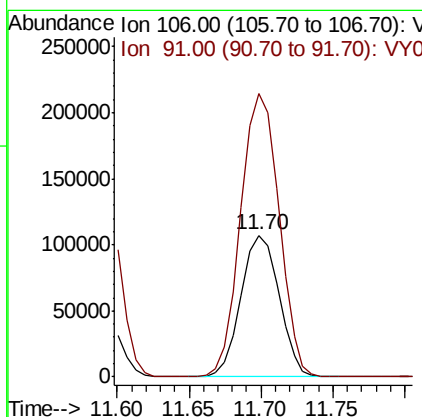
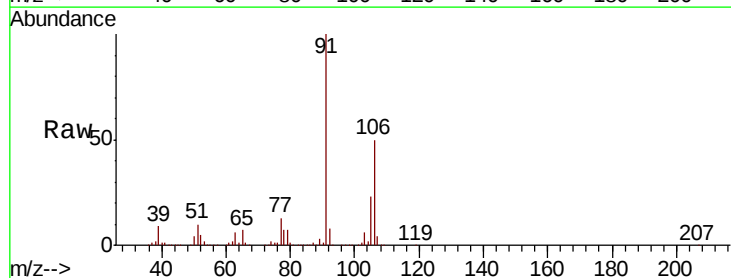
Manual Integrations
APPROVED

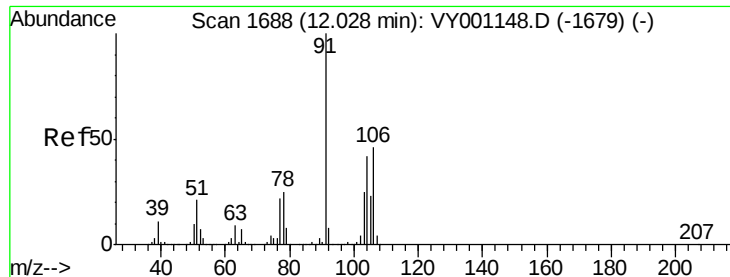
MMDadoda
1/13/2020 12:39:16 PM



#68
m/p-Xylenes
Concen: 42.531 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 106 Resp: 197998
Ion Ratio Lower Upper
106 100
91 201.0 161.4 242.2





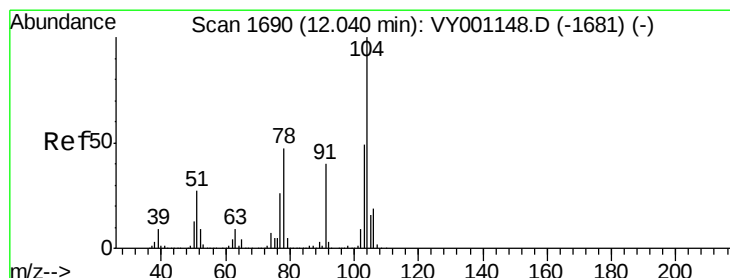
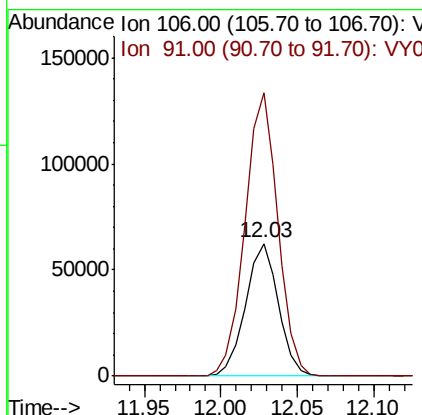
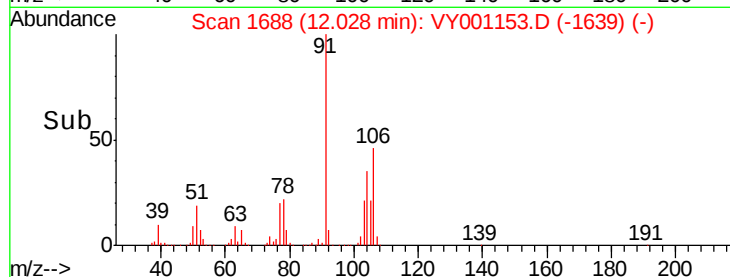
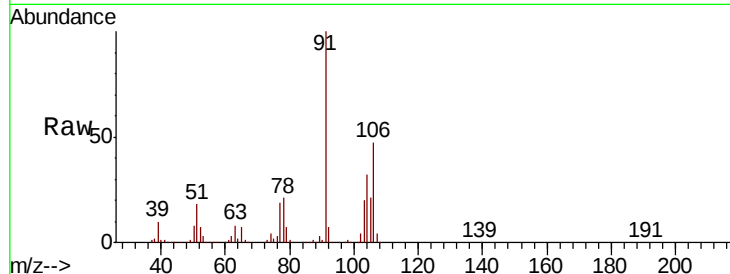
#69
o-Xylene
Concen: 20.789 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion:106 Resp: 92790
Ion Ratio Lower Upper
106 100
91 214.6 106.3 318.8

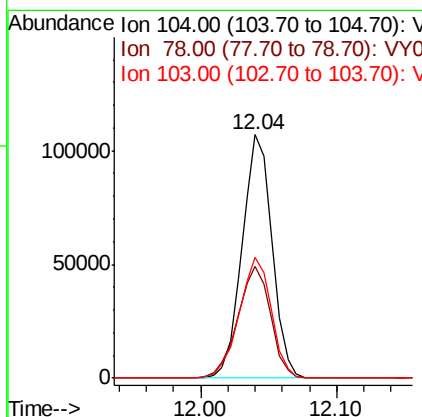
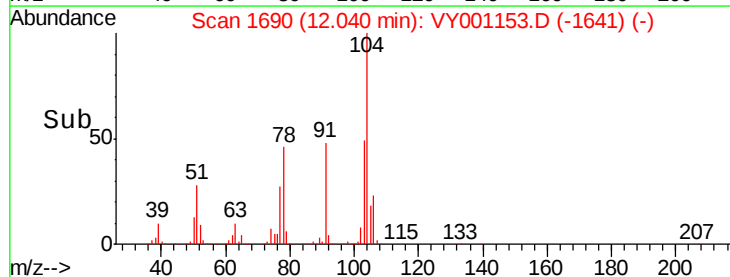
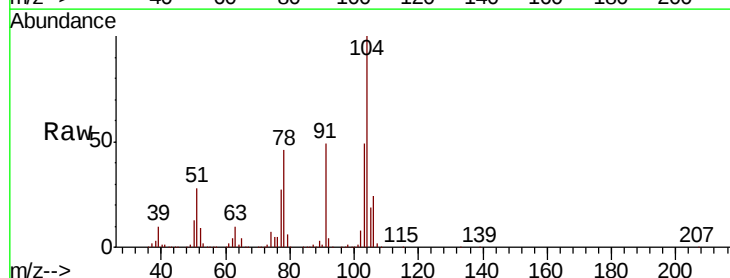
Manual Integrations
APPROVED

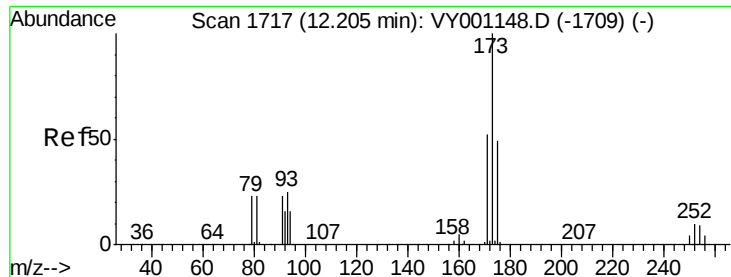
MMDadoda
1/13/2020 12:39:16 PM



#70
Styrene
Concen: 21.033 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion:104 Resp: 164722
Ion Ratio Lower Upper
104 100
78 50.1 40.5 60.7
103 53.1 42.4 63.6





#71

Bromoform

Concen: 21.111 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion:173 Resp: 30271

Ion Ratio Lower Upper

173 100

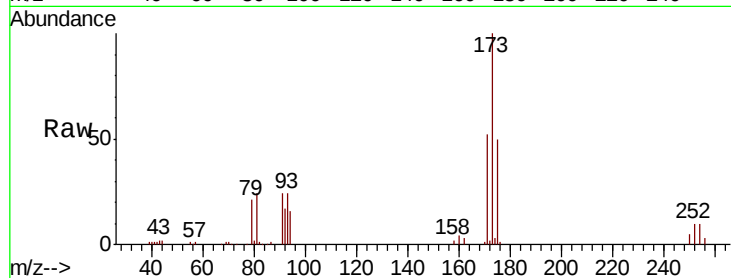
175 48.8 24.1 72.2

254 0.0 0.1 0.1#

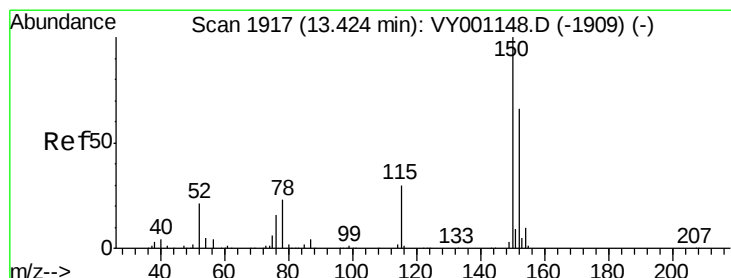
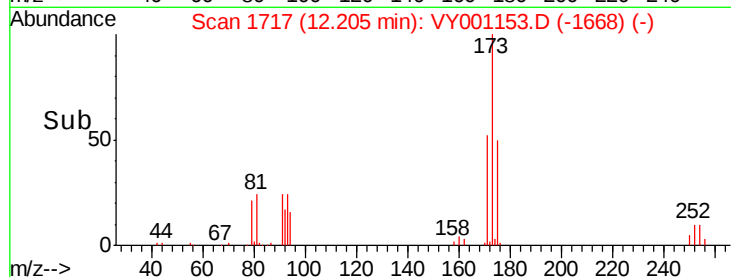
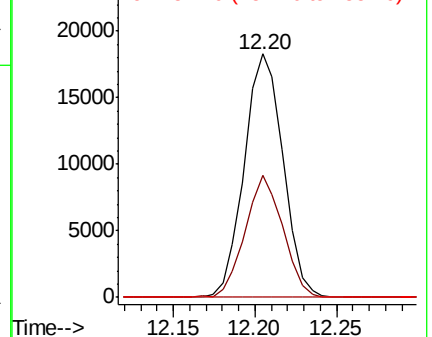
Manual Integrations
APPROVED

MMDadoda

1/13/2020 12:39:16 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

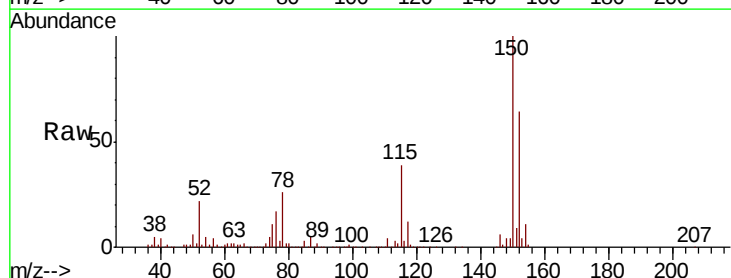
Tgt Ion:152 Resp: 161945

Ion Ratio Lower Upper

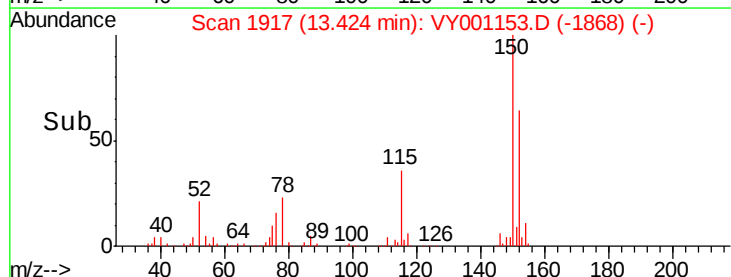
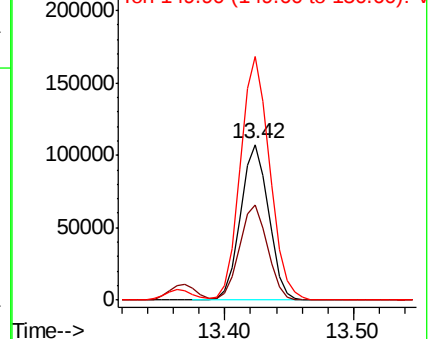
152 100

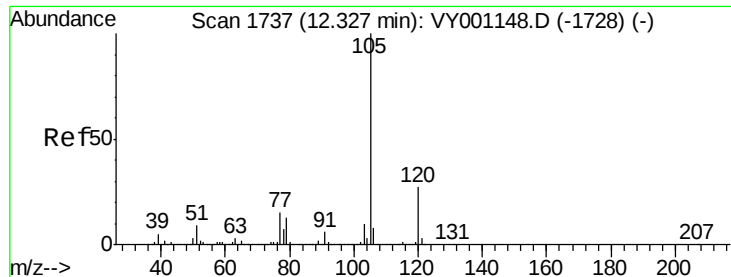
115 61.1 30.9 92.5

150 163.8 0.0 346.8



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





#73

Isopropylbenzene

Concen: 20.567 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 105 Resp: 250396

Ion Ratio Lower Upper

105 100

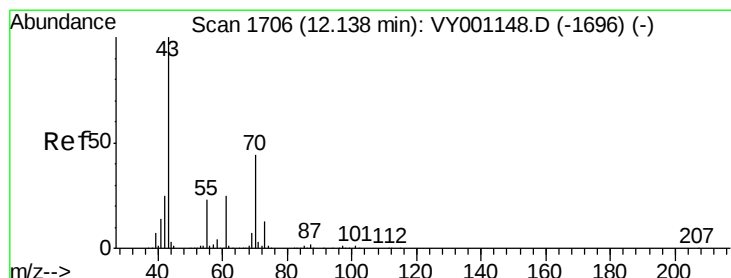
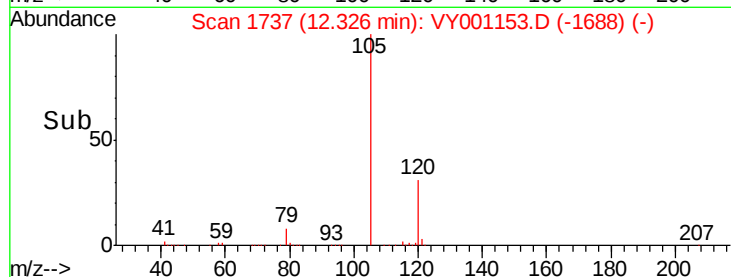
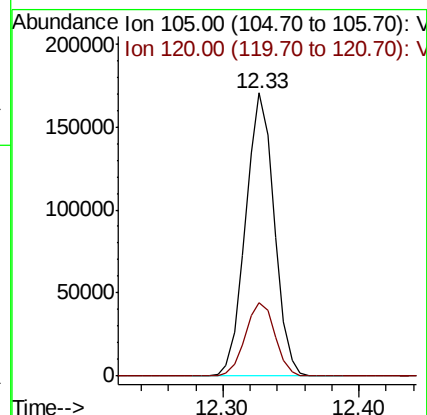
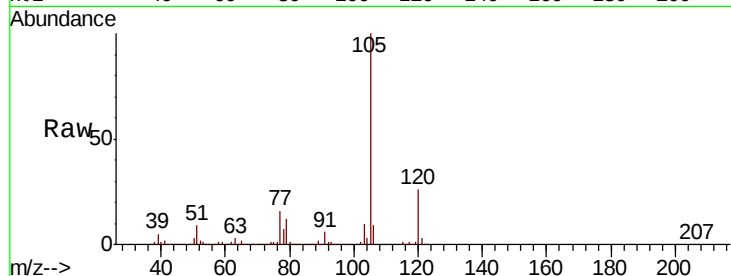
120 27.0 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:16 PM



#74

N-ethyl acetate

Concen: 20.737 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Tgt Ion: 43 Resp: 78789

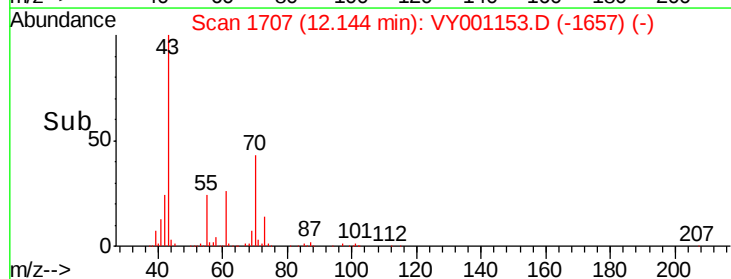
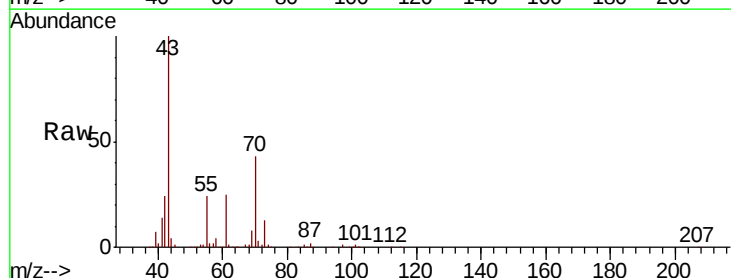
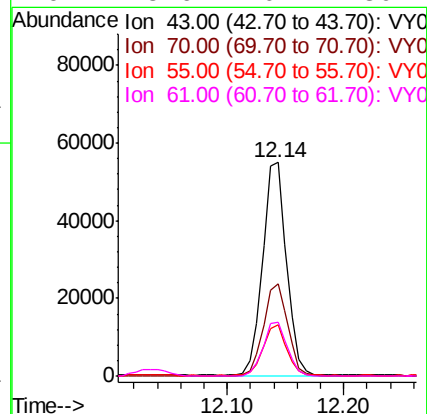
Ion Ratio Lower Upper

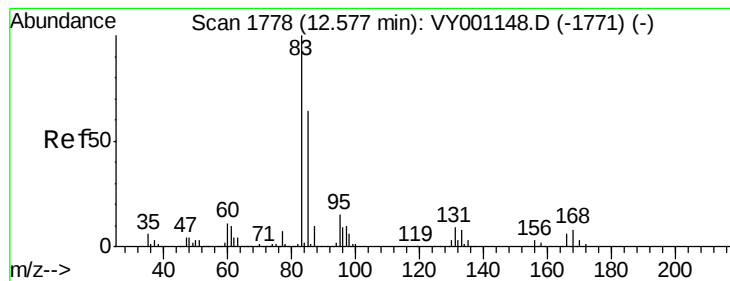
43 100

70 43.8 35.0 52.6

55 23.3 18.4 27.6

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.363 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

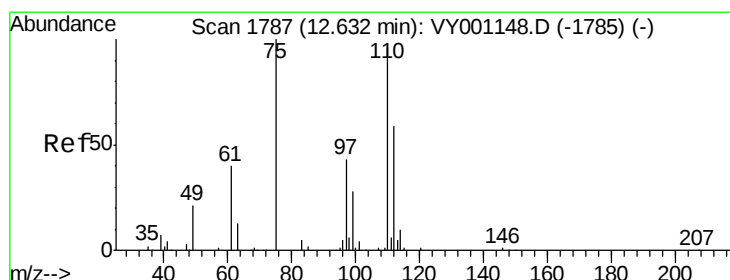
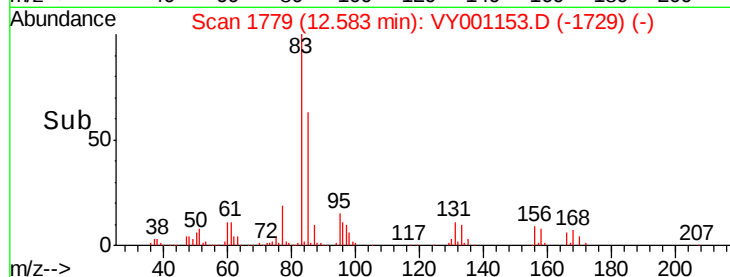
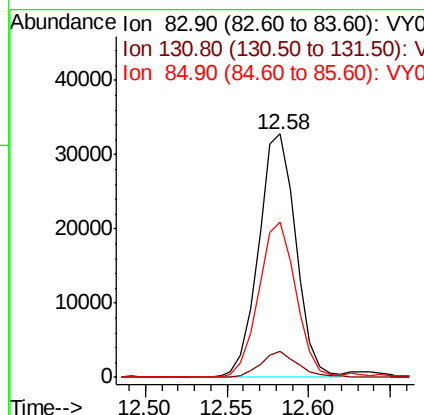
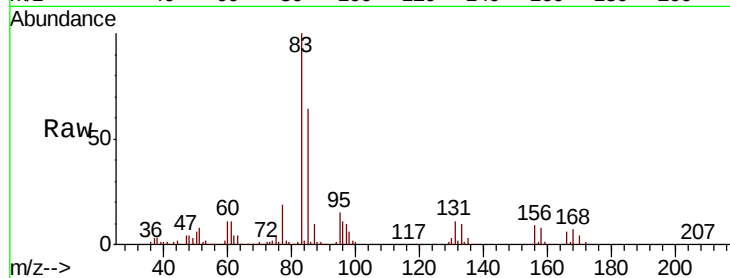
ClientSampleId :

VY0110SBS01

Tot Ion:	83	Resp:	52159
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	63.9	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



#76

1,2,3-Trichloropropane

Concen: 20.539 ug/l m

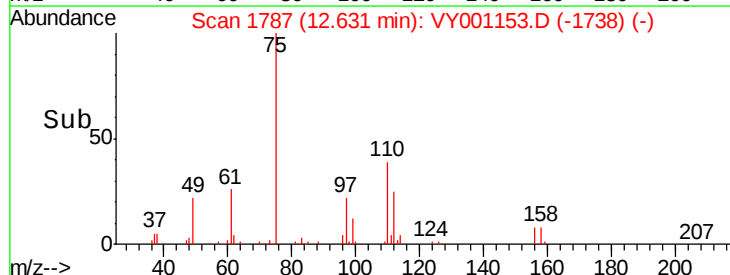
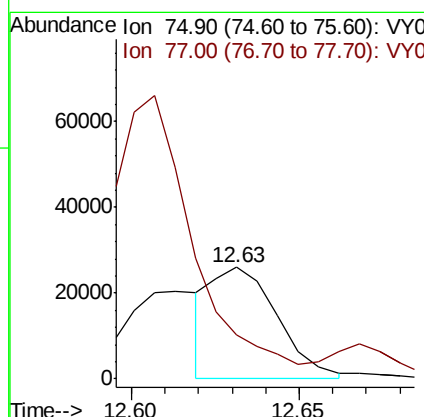
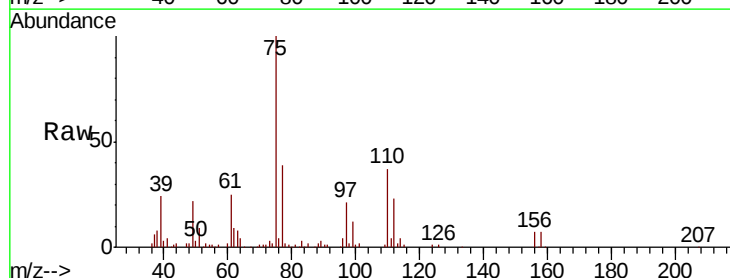
RT: 12.63 min Scan# 1787

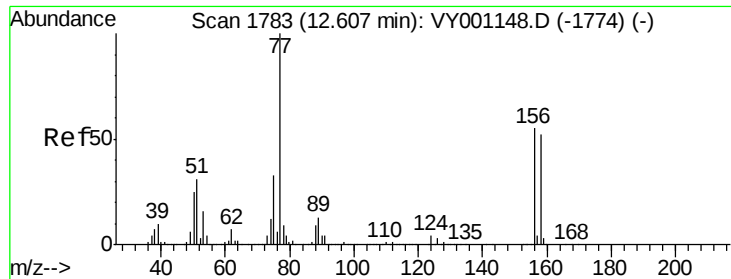
Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Tgt Ion:	75	Resp:	35608
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.785 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion:156 Resp: 55914

Ion Ratio Lower Upper

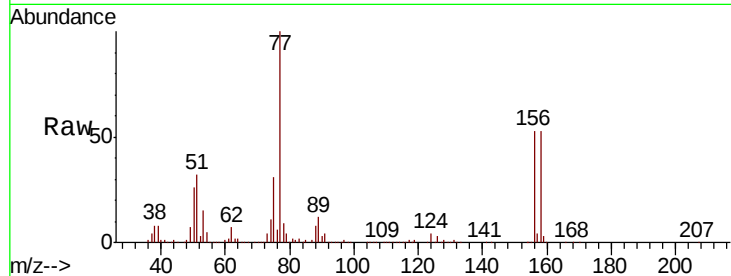
156 100

77 208.6 106.7 320.1

158 97.1 48.3 144.8

Manual Integrations
APPROVED

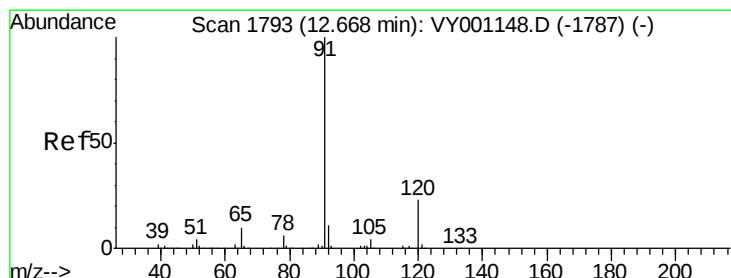
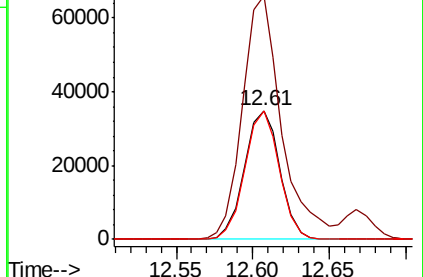
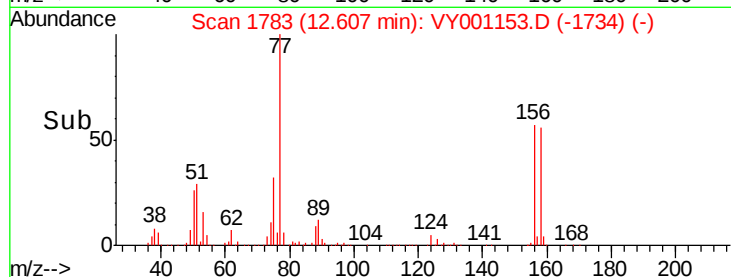
MMDadoda
1/13/2020 12:39:16 PM



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: 20.624 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001153.D

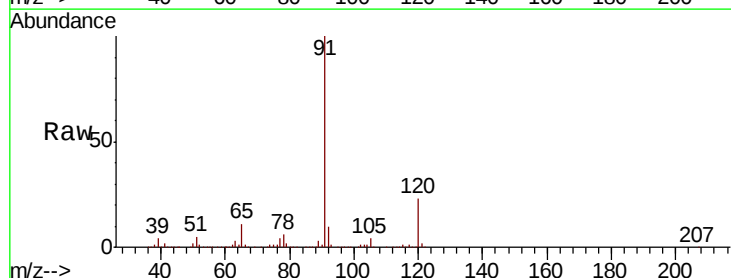
Acq: 10 Jan 2020 17:43

Tgt Ion: 91 Resp: 302027

Ion Ratio Lower Upper

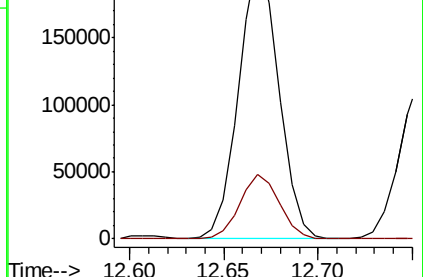
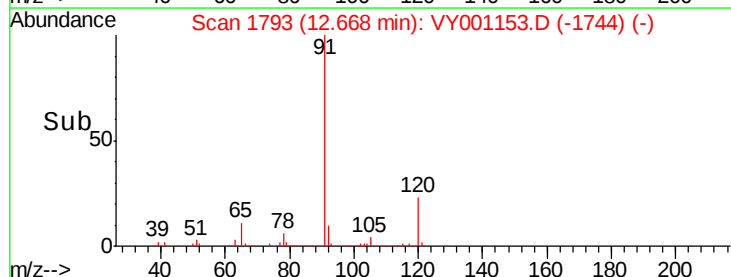
91 100

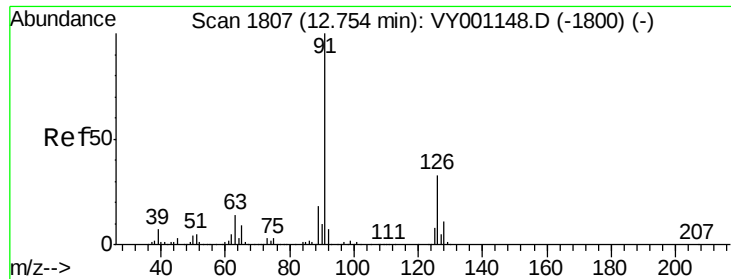
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





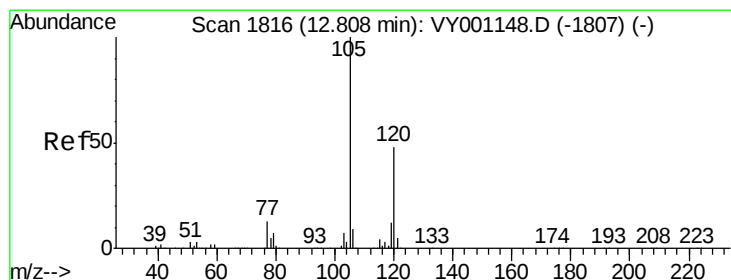
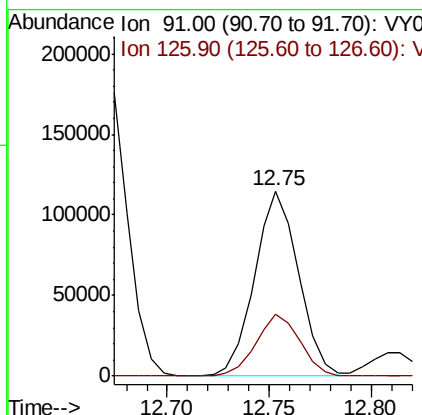
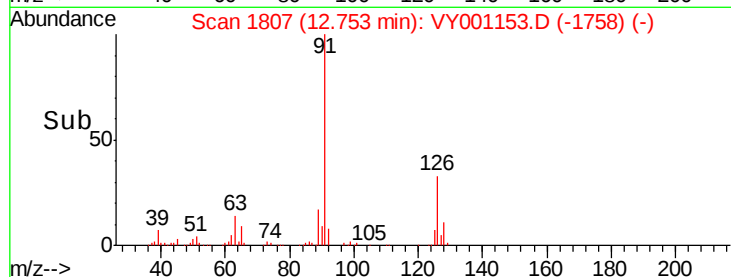
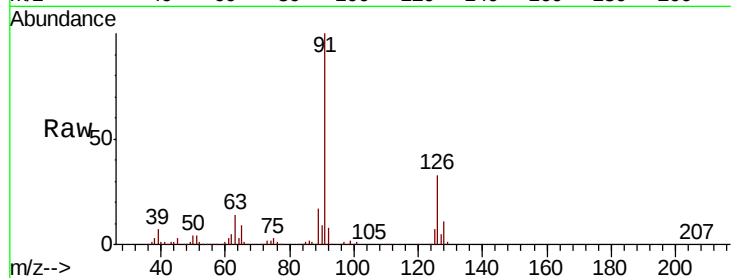
#79
2-Chlorotoluene
Concen: 20.442 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 91 Resp: 171924
Ion Ratio Lower Upper
91 100
126 33.5 16.4 49.4

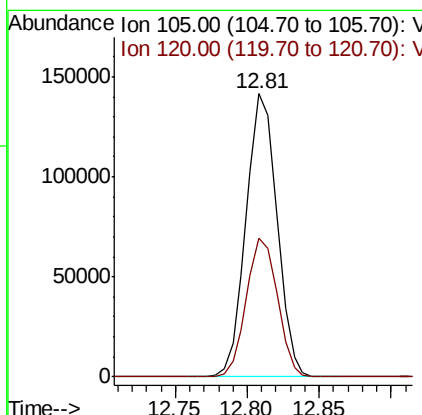
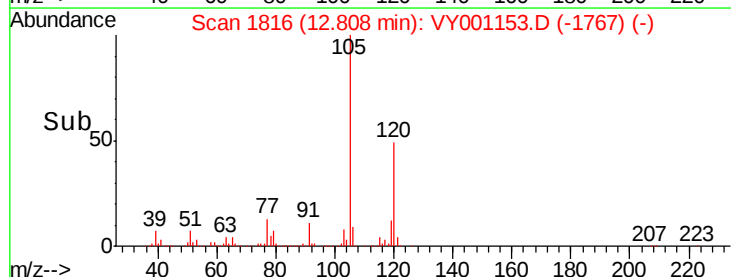
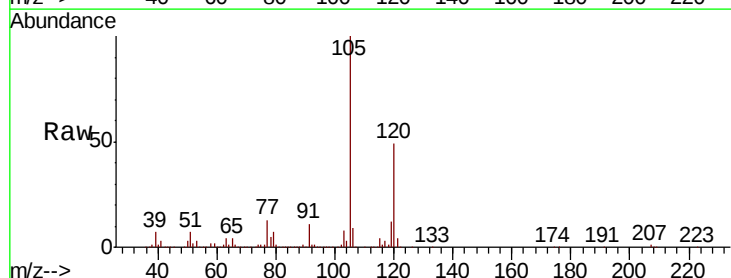
Manual Integrations
APPROVED

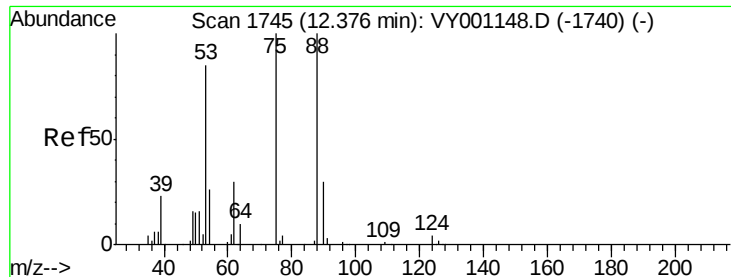
MMDadoda
1/13/2020 12:39:16 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.737 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 105 Resp: 210648
Ion Ratio Lower Upper
105 100
120 49.4 24.2 72.6





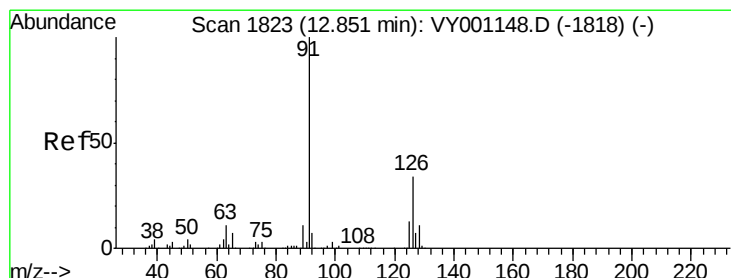
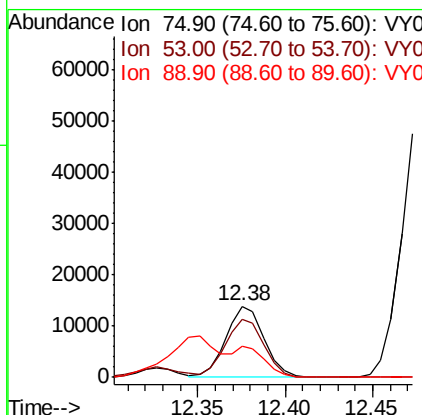
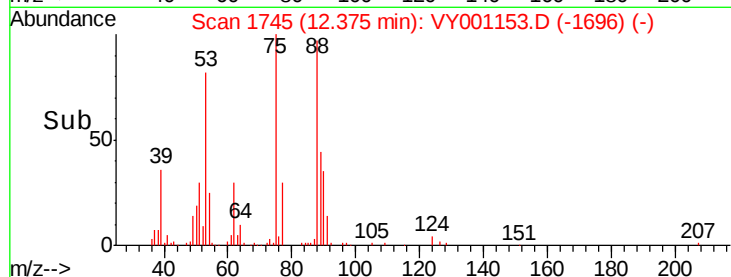
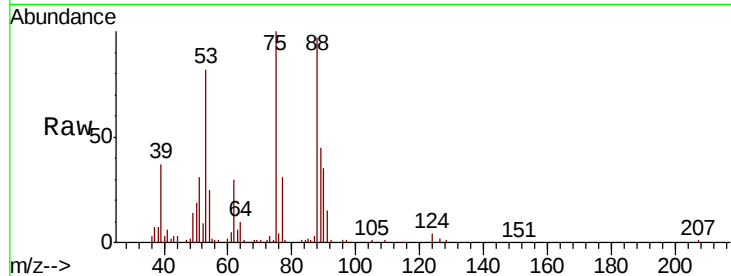
#81
trans-1,4-Dichloro-2-butene
Concen: 20.552 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	69.4	104.2
89	0.0	0.0	0.0

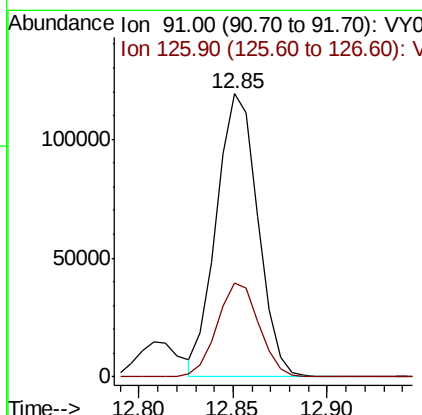
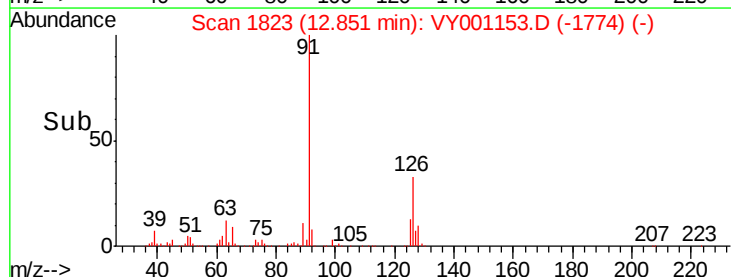
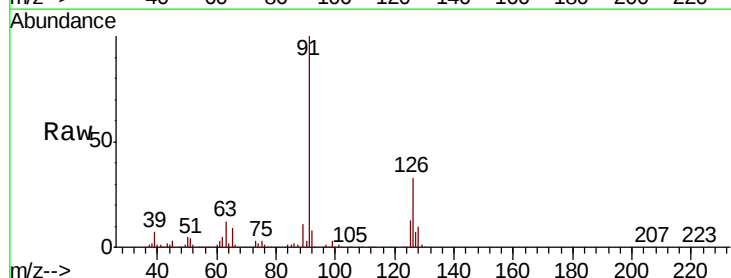
Manual Integrations
APPROVED

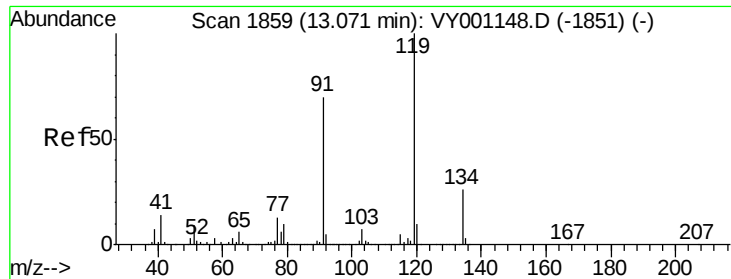
MMDadoda
1/13/2020 12:39:16 PM



#82
4-Chlorotoluene
Concen: 20.259 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.3	48.8





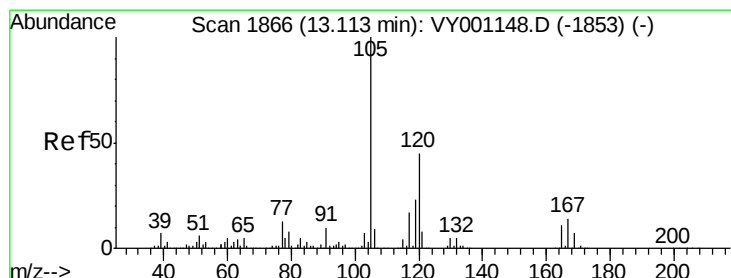
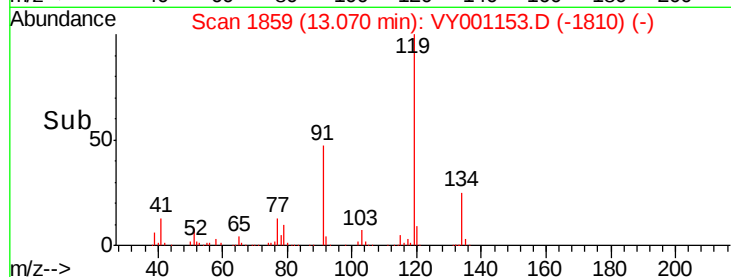
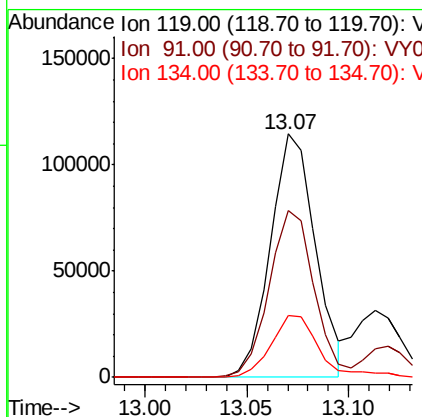
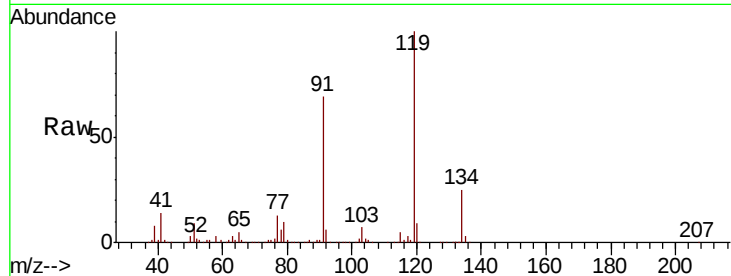
#83
tert-Butylbenzene
Concen: 20.638 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.9	101.7
134	27.2	13.5	40.4

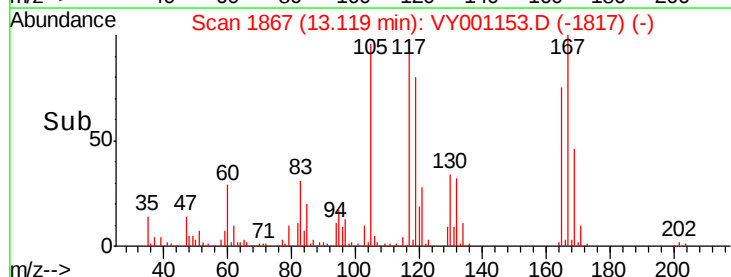
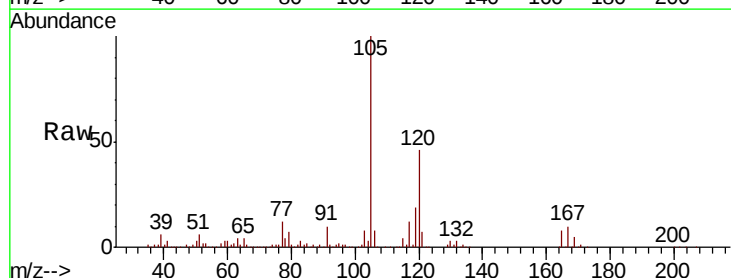
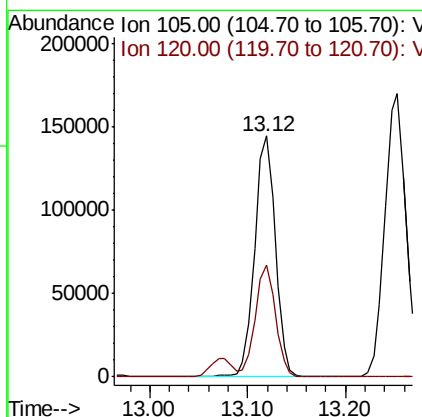
Manual Integrations
APPROVED

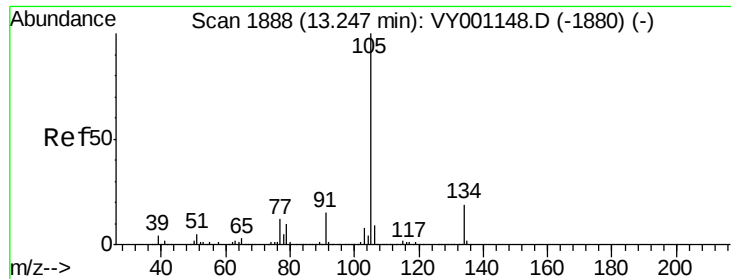
MMDadoda
1/13/2020 12:39:16 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.233 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.3





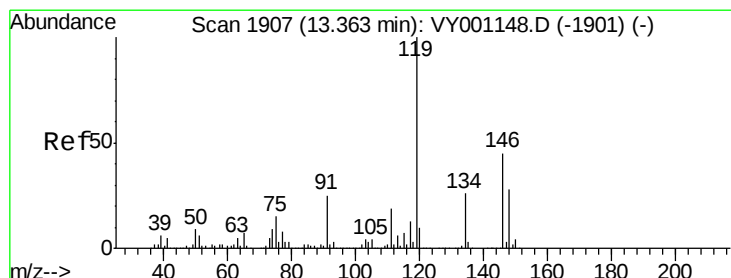
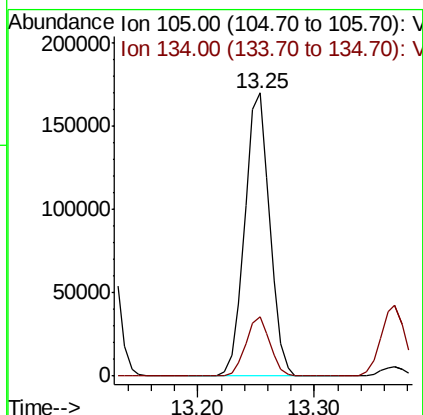
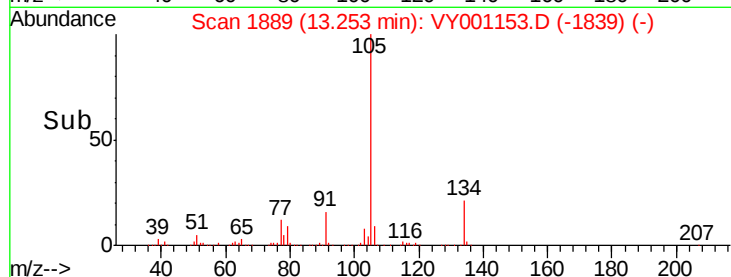
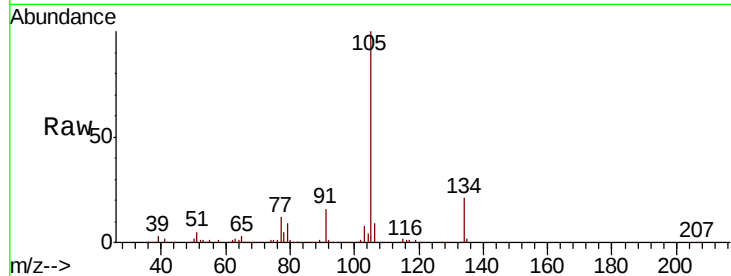
#85
 sec-Butylbenzene
 Concen: 20.729 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.5

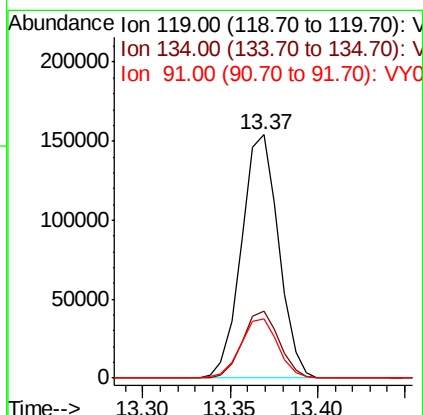
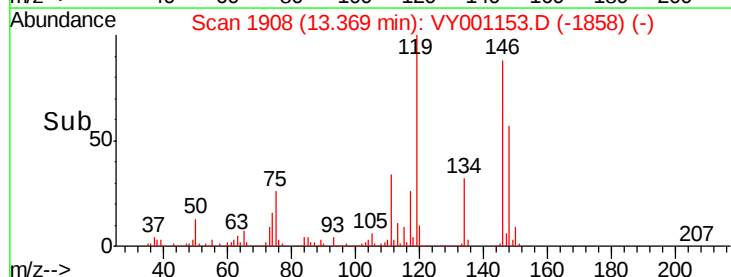
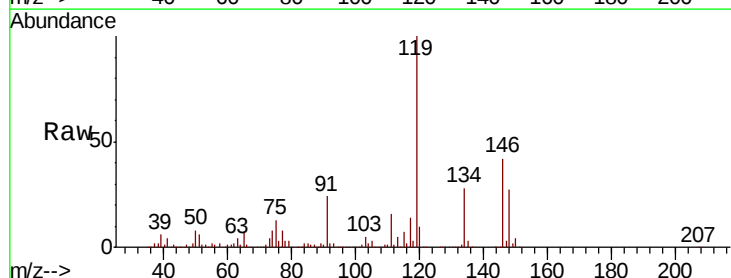
Manual Integrations
 APPROVED

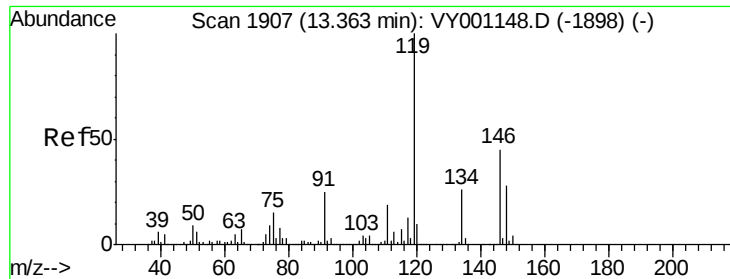
MMDadoda
 1/13/2020 12:39:16 PM



#86
 p-Isopropyltoluene
 Concen: 21.359 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.4	40.2
91	24.4	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 21.745 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

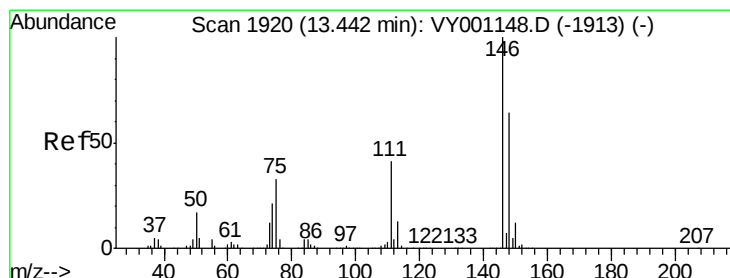
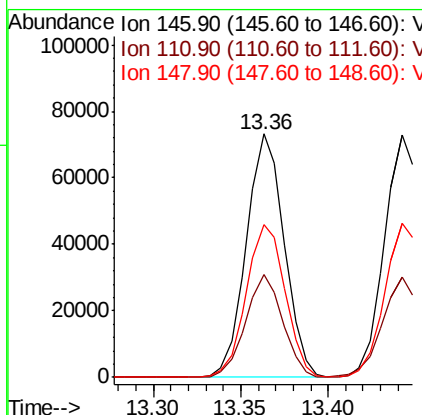
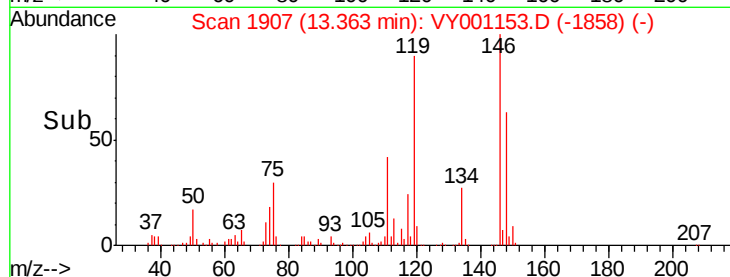
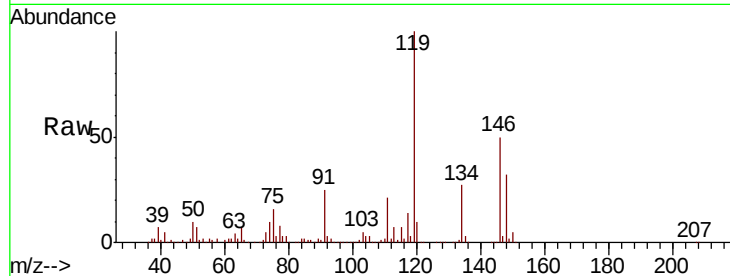
Instrument :
MSVOA_Y

ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	21.3	64.0	
148	64.2	31.9	95.5	

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



#88

1,4-Dichlorobenzene

Concen: 21.085 ug/l

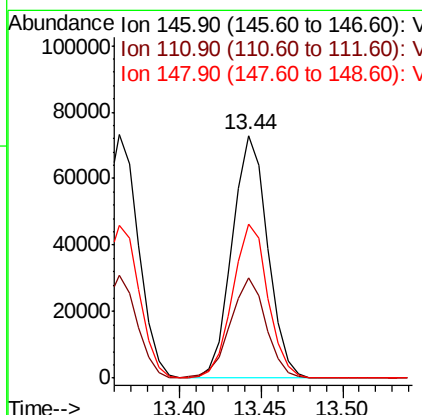
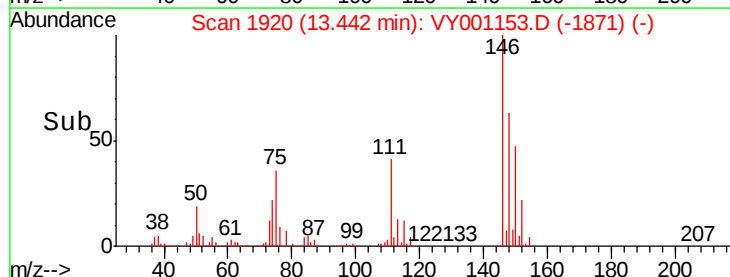
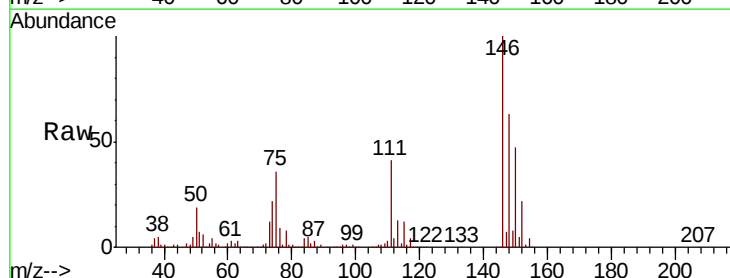
RT: 13.44 min Scan# 1920

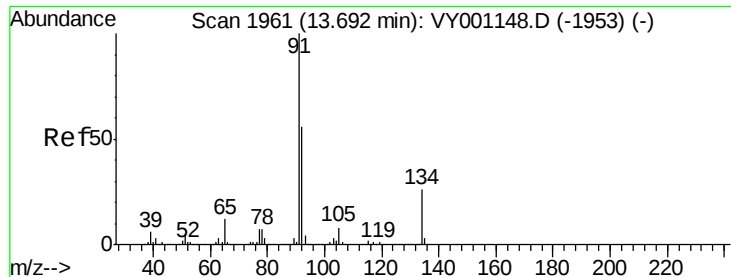
Delta R.T. -0.00 min

Lab File: VY001153.D

Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.7	20.8	62.5	
148	63.5	32.0	96.2	





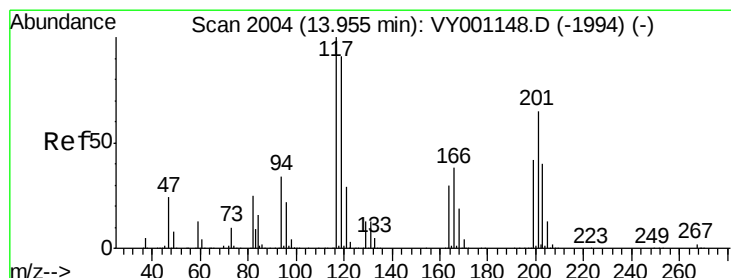
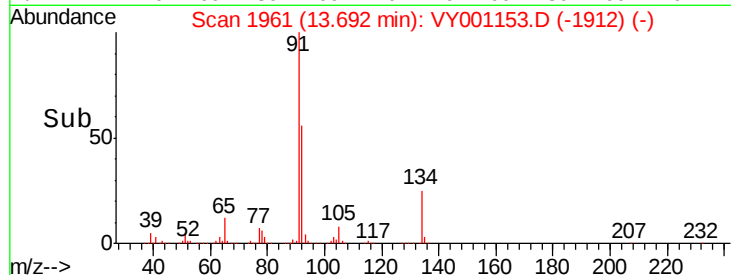
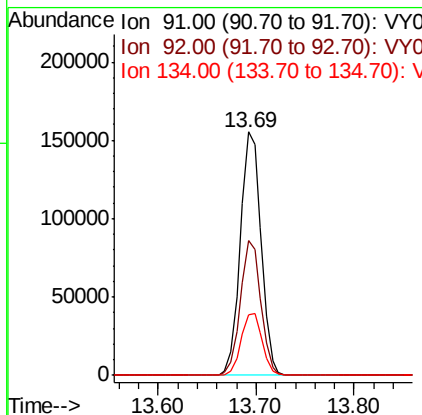
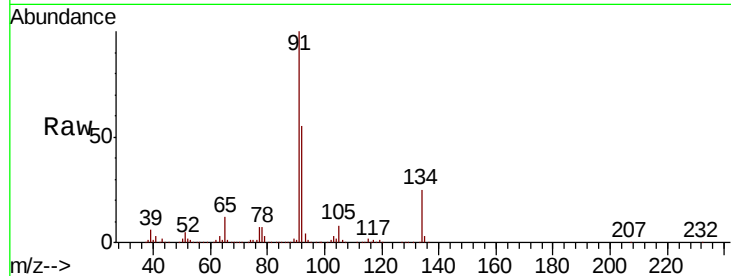
#89
n-Butylbenzene
Concen: 21.325 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.7	83.1
134	25.7	12.9	38.6

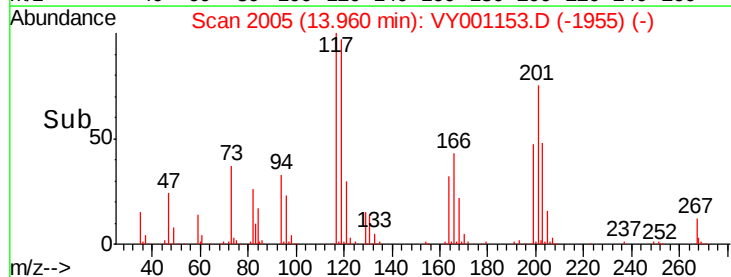
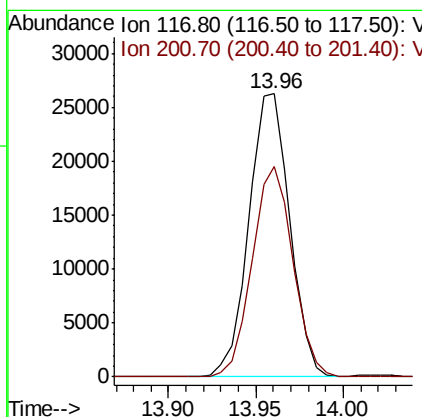
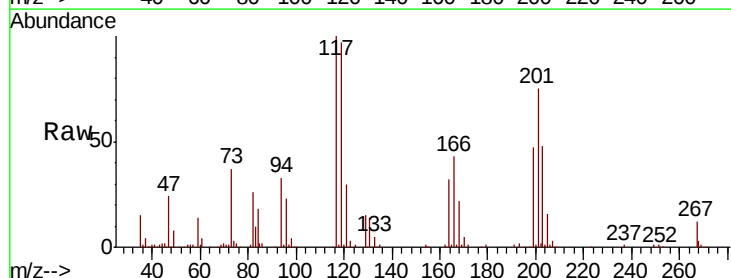
Manual Integrations
APPROVED

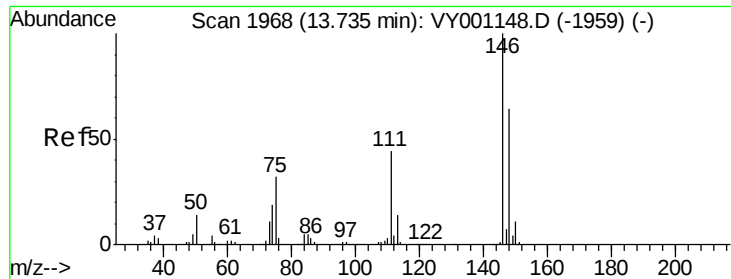
MMDadoda
1/13/2020 12:39:16 PM



#90
Hexachloroethane
Concen: 20.648 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	35.4	106.2





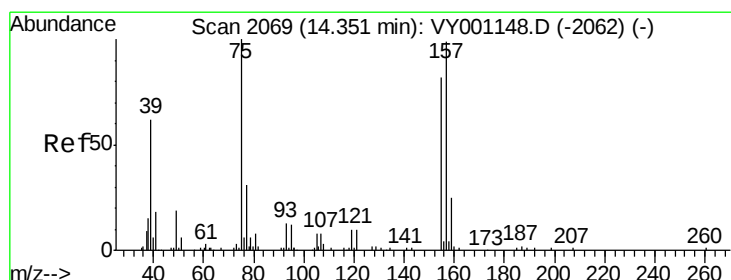
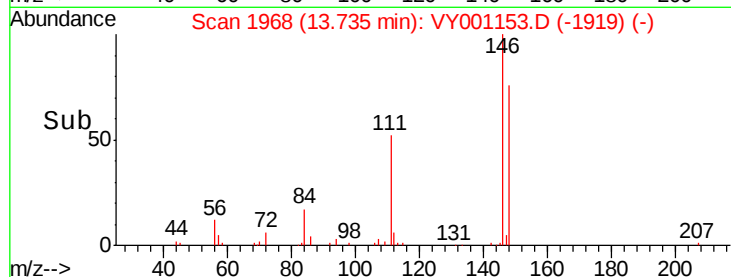
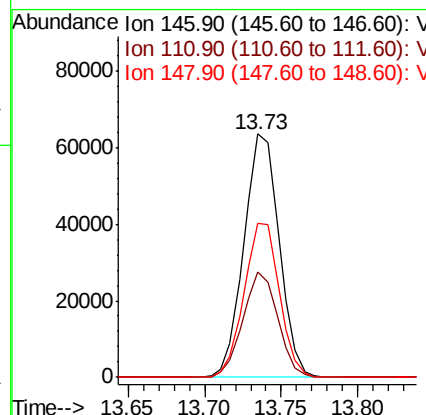
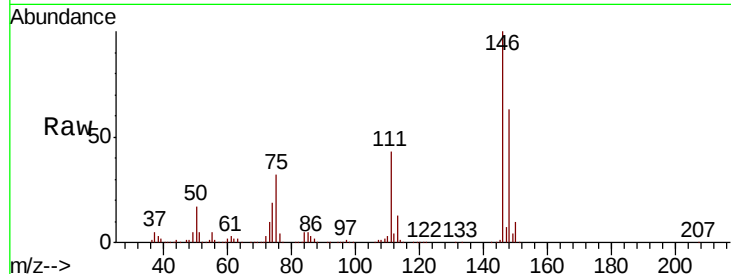
#91
 1,2-Dichlorobenzene
 Concen: 21.577 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.0	66.0
148	63.3	32.1	96.3

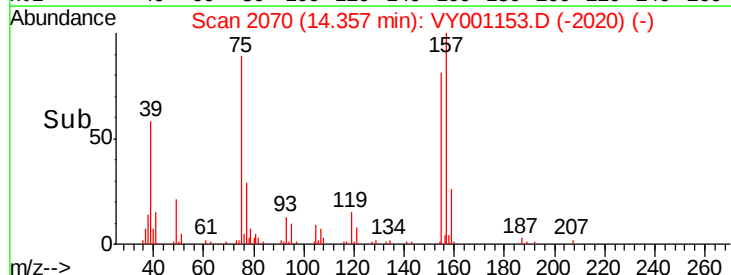
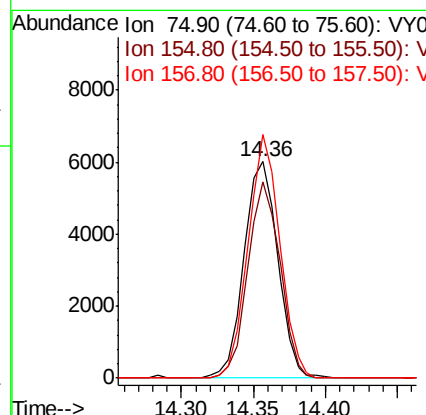
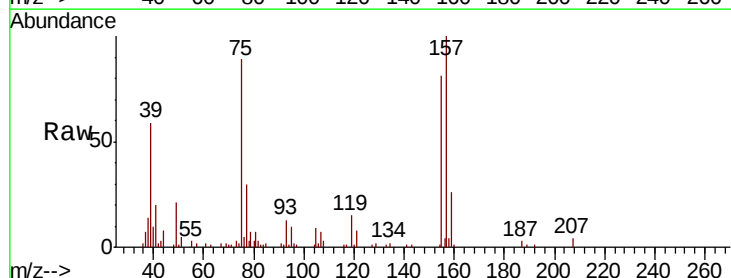
Manual Integrations
 APPROVED

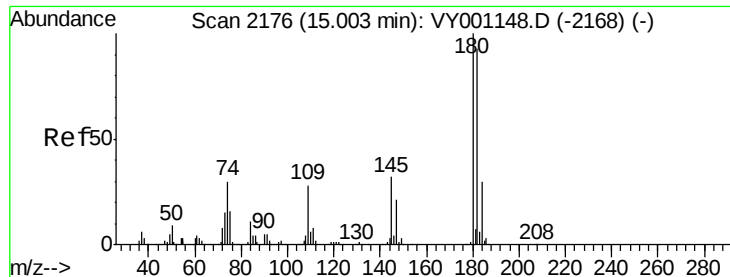
MMDadoda
 1/13/2020 12:39:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.177 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	41.2	123.6
157	105.3	52.8	158.4





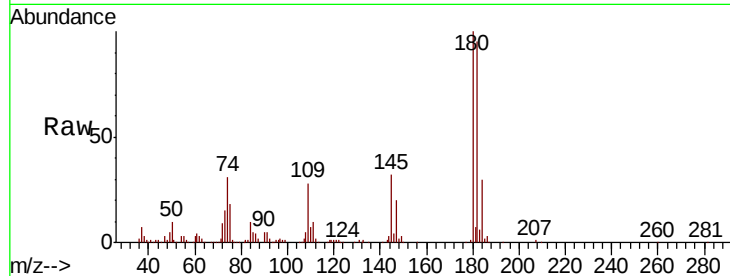
#93
 1,2,4-Trichlorobenzene
 Concen: 22.279 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	31.7	16.0	48.0

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:16 PM

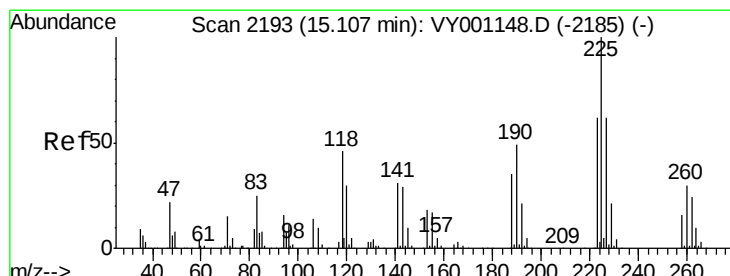
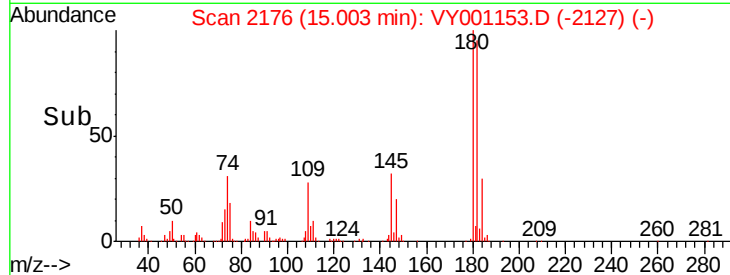
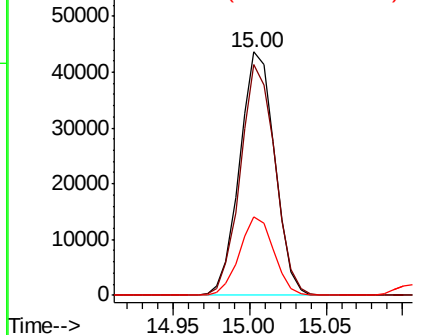


Abundance

Ion 179.80 (179.50 to 180.50): V

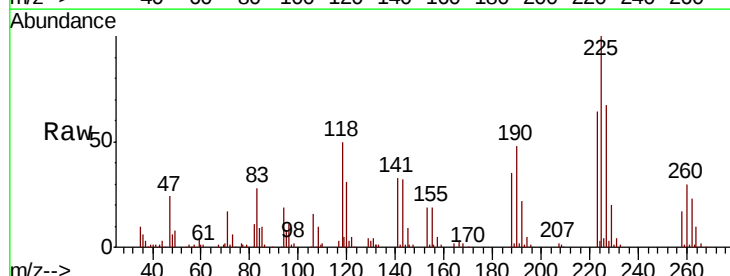
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.555 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001153.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.1	93.3
227	63.1	31.3	93.9

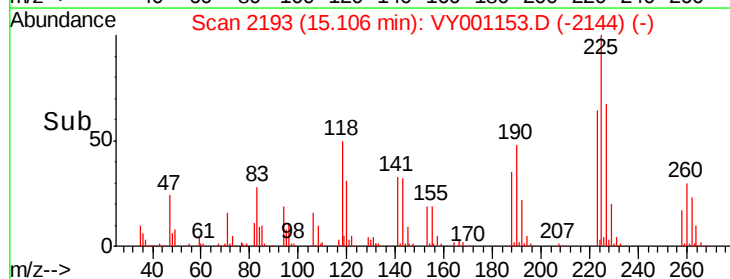
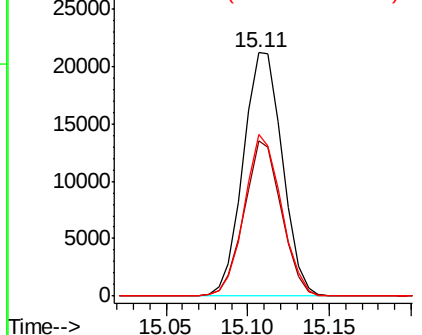


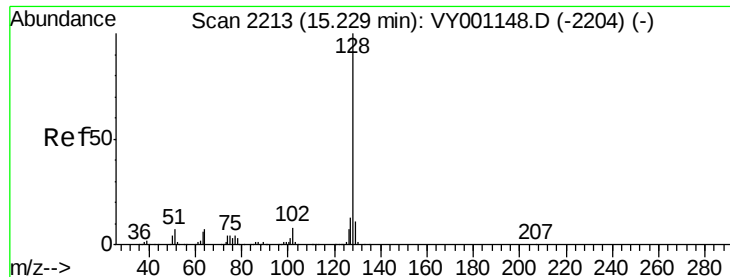
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





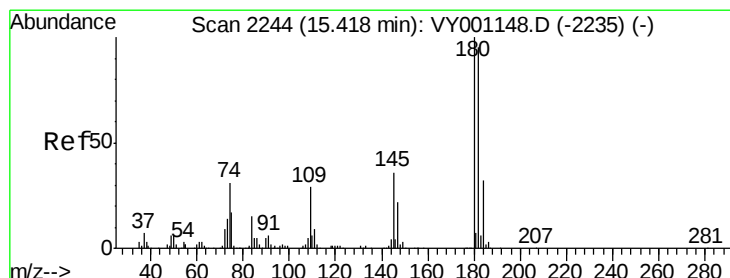
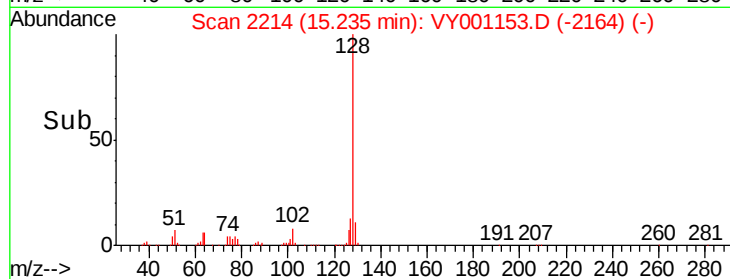
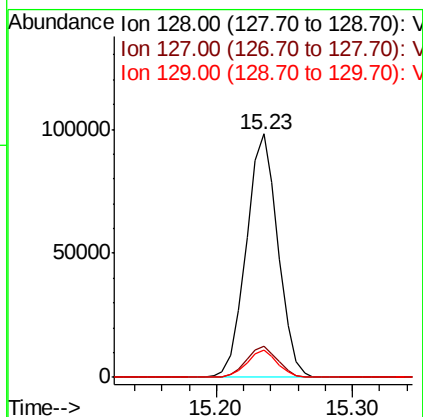
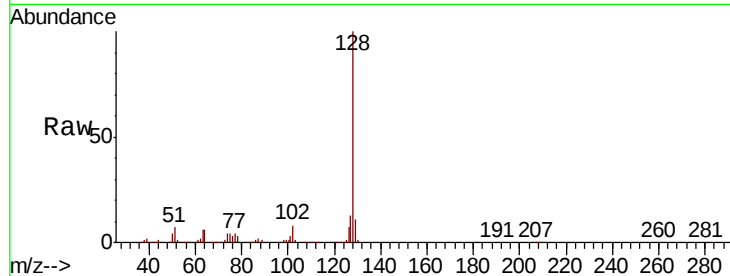
#95
Naphthalene
Concen: 21.988 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159467		
127	12.7	10.2	15.4	
129	10.7	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.235 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001153.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61047		
182	94.7	47.5	142.5	
145	33.5	17.1	51.3	

