

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000013.D
 Acq On : 11 Sep 2019 21:06
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:41 PM

Quant Time: Sep 19 11:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:26:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	136325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	268076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	95404	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	73167	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	7.72	113	70372	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	10.18	98	300516	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.48	95	101127	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	3674	3.590	ug/l	92
3) Chloromethane	2.10	50	7461	3.881	ug/l	91
4) Vinyl Chloride	2.25	62	5470	3.462	ug/l	94
5) Bromomethane	2.64	94	4702	5.100	ug/l	89
6) Chloroethane	2.79	64	4036	3.874	ug/l #	62
7) Trichlorofluoromethane	3.12	101	7640	3.926	ug/l	96
8) Diethyl Ether	3.54	74	3045	3.990	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4562	3.502	ug/l	97
10) Methyl Iodide	4.09	142	3978	2.624	ug/l #	86
11) Tert butyl alcohol	4.97	59	3101	18.657	ug/l #	85
12) 1,1-Dichloroethene	3.86	96	4628	3.670	ug/l	83
13) Acrolein	3.73	56	2585	19.095	ug/l #	69
14) Allyl chloride	4.47	41	6326	3.298	ug/l	97
15) Acrylonitrile	5.17	53	8277	16.529	ug/l	97
16) Acetone	3.95	43	7158	18.564	ug/l #	86
17) Carbon Disulfide	4.18	76	10950	4.144	ug/l #	92
18) Methyl Acetate	4.48	43	4648	3.969	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	12138	3.417	ug/l #	83
20) Methylene Chloride	4.71	84	8508	5.364	ug/l #	86
21) trans-1,2-Dichloroethene	5.22	96	5282	3.888	ug/l	91
22) Diisopropyl ether	6.12	45	12714	3.049	ug/l #	88
23) Vinyl Acetate	6.07	43	43675	15.449	ug/l	99
24) 1,1-Dichloroethane	6.03	63	8336	3.337	ug/l	98
25) 2-Butanone	6.99	43	9317	15.303	ug/l	97
26) 2,2-Dichloropropane	6.98	77	6455	3.022	ug/l	100
27) cis-1,2-Dichloroethene	6.98	96	5812	3.410	ug/l	98
28) Bromochloromethane	7.33	49	3674	3.192	ug/l #	98
29) Tetrahydrofuran	7.37	42	5608	14.744	ug/l #	82
30) Chloroform	7.51	83	9544	3.775	ug/l	94
31) Cyclohexane	7.78	56	10815	5.004	ug/l #	78
32) 1,1,1-Trichloroethane	7.70	97	7274	3.486	ug/l	97
36) 1,1-Dichloropropene	7.93	75	6492	3.350	ug/l	99
37) Ethyl Acetate	7.08	43	4541	3.426	ug/l #	71
38) Carbon Tetrachloride	7.90	117	5614	3.018	ug/l #	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000013.D
 Acq On : 11 Sep 2019 21:06
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:41 PM

Quant Time: Sep 19 11:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:26:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	8134	3.405	ug/l	100
40) Benzene	8.16	78	19914	3.196	ug/l	96
41) Methacrylonitrile	7.32	41	1854	2.334	ug/l #	83
42) 1,2-Dichloroethane	8.24	62	5406	3.327	ug/l	97
43) Isopropyl Acetate	8.27	43	7513	3.084	ug/l	96
44) Trichloroethene	8.94	130	5912	3.688	ug/l	88
45) 1,2-Dichloropropane	9.21	63	5041	3.152	ug/l #	87
46) Dibromomethane	9.30	93	2830	3.270	ug/l	98
47) Bromodichloromethane	9.49	83	6491	3.131	ug/l #	95
48) Methyl methacrylate	9.29	41	3402	3.161	ug/l	90
49) 1,4-Dioxane	9.30	88	1035	60.836	ug/l #	74
51) 4-Methyl-2-Pentanone	10.07	43	21230	15.832	ug/l	95
52) Toluene	10.24	92	12014	3.062	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	6538	3.002	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	7514	2.956	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	4282	3.192	ug/l	96
56) Ethyl methacrylate	10.51	69	5921	3.066	ug/l	89
57) 1,3-Dichloropropane	10.79	76	6610	2.986	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.78	63	16790	16.852	ug/l	95
59) 2-Hexanone	10.83	43	13958	14.619	ug/l	97
60) Dibromochloromethane	10.98	129	4328	3.027	ug/l	100
61) 1,2-Dibromoethane	11.09	107	3988	3.232	ug/l	97
64) Tetrachloroethene	10.71	164	4398	3.177	ug/l	89
65) Chlorobenzene	11.51	112	12666	3.026	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.59	131	4199	2.965	ug/l	97
67) Ethyl Benzene	11.58	91	23490	3.071	ug/l	93
68) m/p-Xylenes	11.70	106	17988	6.192	ug/l	93
69) o-Xylene	12.02	106	8351	2.989	ug/l	92
70) Styrene	12.04	104	15385	3.163	ug/l	96
71) Bromoform	12.20	173	2645	3.083	ug/l #	98
73) Isopropylbenzene	12.32	105	23355	3.238	ug/l	98
74) N-amyl acetate	12.14	43	5858	2.926	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.57	83	5640	3.394	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	3625m	3.220	ug/l	
77) Bromobenzene	12.60	156	5230	3.402	ug/l	92
78) n-propylbenzene	12.66	91	26672	3.055	ug/l	98
79) 2-Chlorotoluene	12.75	91	15875	3.278	ug/l	95
80) 1,3,5-Trimethylbenzene	12.80	105	18177	3.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	1920	2.952	ug/l	90
82) 4-Chlorotoluene	12.85	91	16136	3.190	ug/l	98
83) tert-Butylbenzene	13.07	119	15170	2.990	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	17669	3.029	ug/l	97
85) sec-Butylbenzene	13.25	105	22784	3.012	ug/l	99
86) p-Isopropyltoluene	13.37	119	18106	2.846	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	9244	3.117	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	9543	3.191	ug/l	90
89) n-Butylbenzene	13.69	91	19066	2.999	ug/l	95
90) Hexachloroethane	13.95	117	3951	3.070	ug/l	89
91) 1,2-Dichlorobenzene	13.73	146	8612	3.083	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1148	3.710	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
Data File : VY000013.D
Acq On : 11 Sep 2019 21:06
Operator : SY/MD
Sample : MDL 3 PPB
Misc : 5.00µ/5.00ml/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

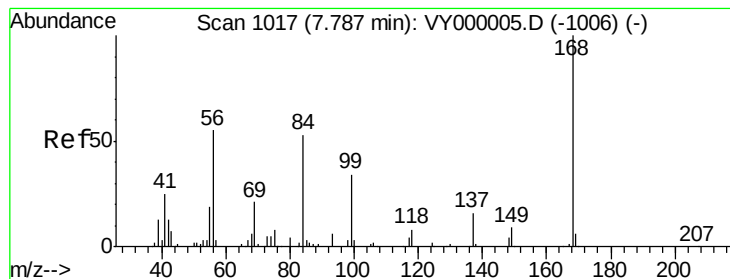
Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM

Quant Time: Sep 19 11:33:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 11:26:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	4938	2.899	ug/l	98
94) Hexachlorobutadiene	15.10	225	2437	2.955	ug/l	86
95) Naphthalene	15.23	128	14556	3.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	4515	2.956	ug/l	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:168 Resp: 136325

Ion Ratio Lower Upper

168 100

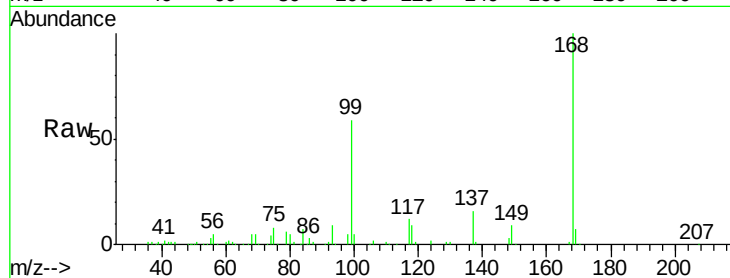
99 59.5 44.2 66.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:41 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000005.D (-1006) (-)

Ion 98.90 (98.60 to 99.60): VY000005.D (-1006) (-)

7.79

60000

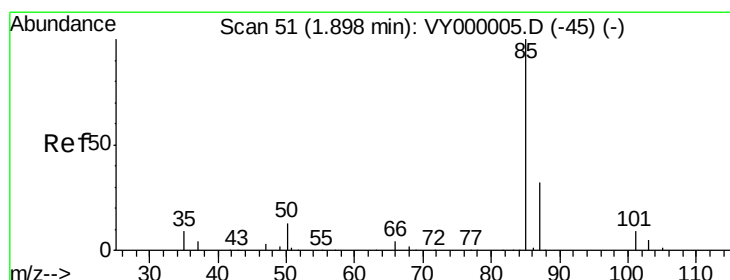
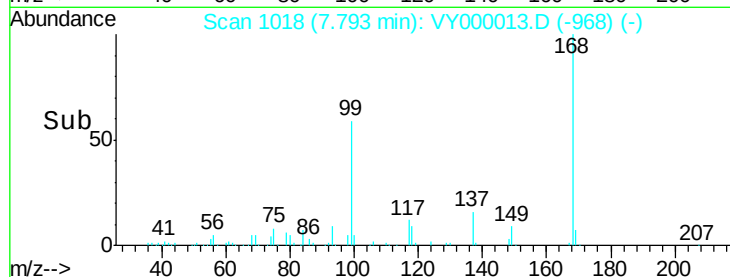
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.590 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000013.D

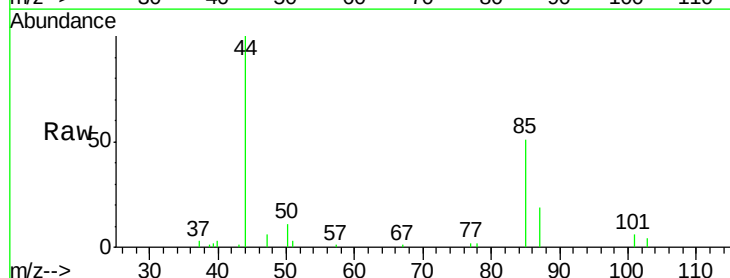
Acq: 11 Sep 2019 21:06

Tgt Ion: 85 Resp: 3674

Ion Ratio Lower Upper

85 100

87 37.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY000005.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000005.D (-45) (-)

1.90

2500

2000

1500

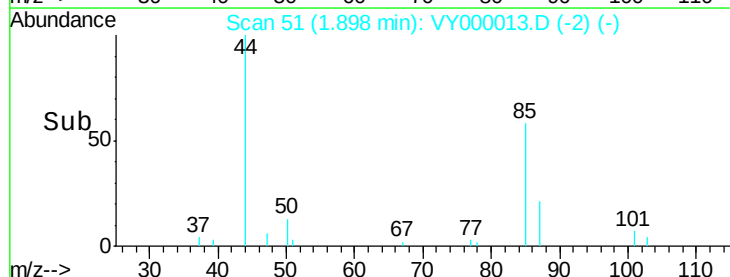
1000

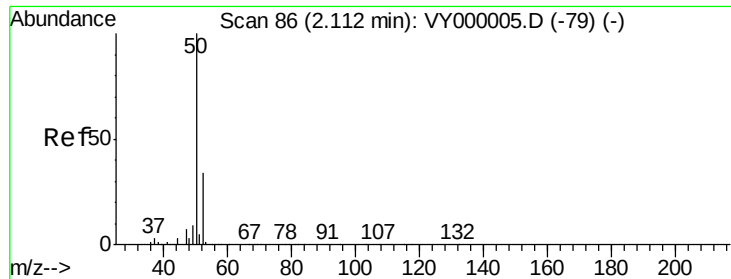
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 3.881 ug/l

RT: 2.10 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 50 Resp: 7461

Ion Ratio Lower Upper

50 100

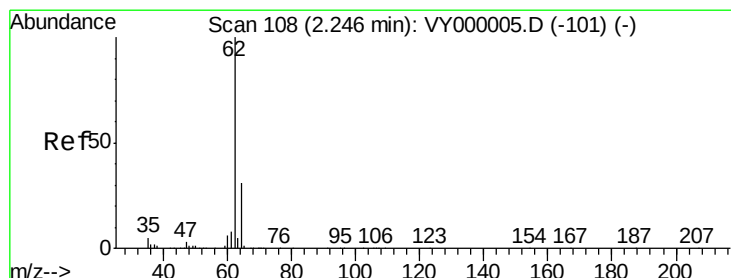
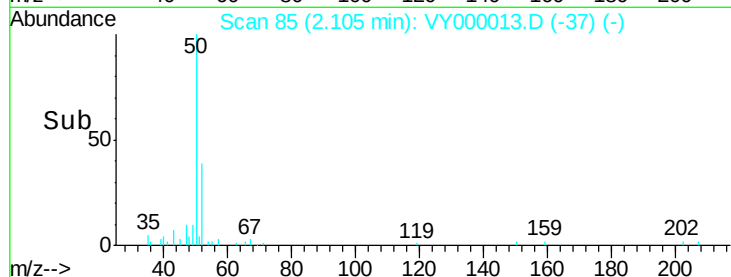
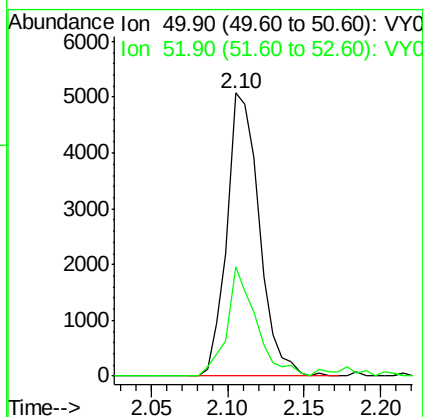
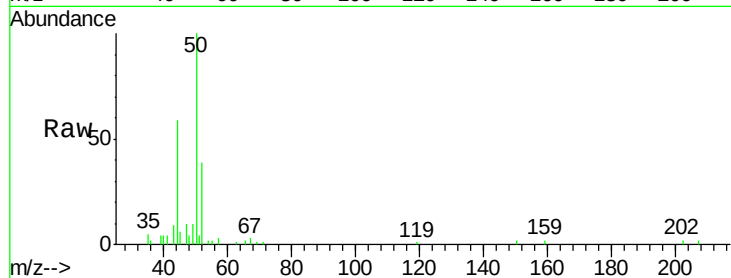
52 38.8 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:41 PM



#4

Vinyl Chloride

Concen: 3.462 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000013.D

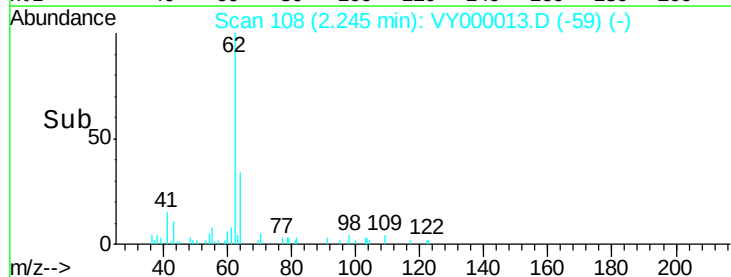
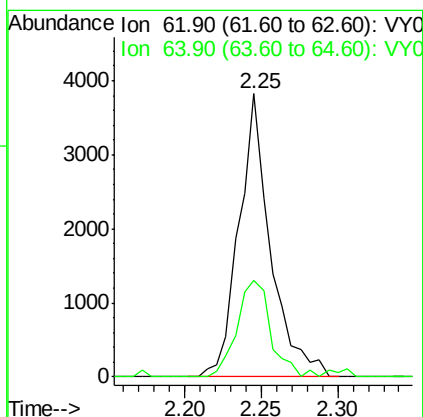
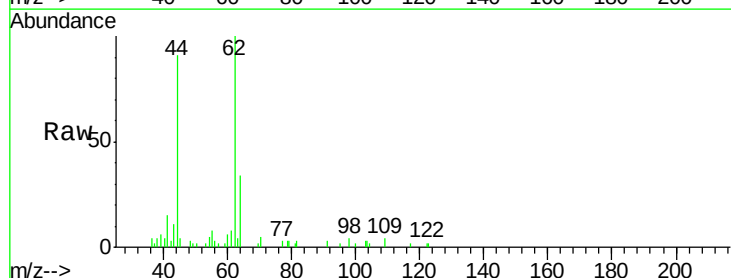
Acq: 11 Sep 2019 21:06

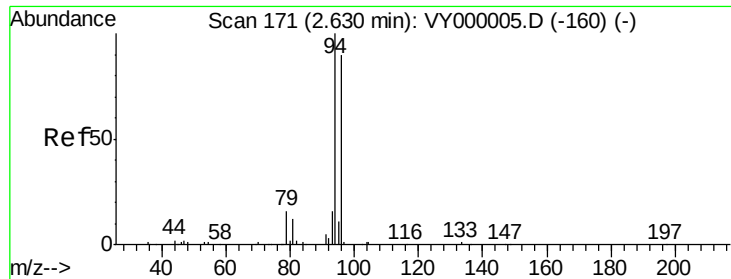
Tgt Ion: 62 Resp: 5470

Ion Ratio Lower Upper

62 100

64 33.9 24.6 37.0





#5

Bromomethane

Concen: 5.100 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 94 Resp: 4702

Ion Ratio Lower Upper

94 100

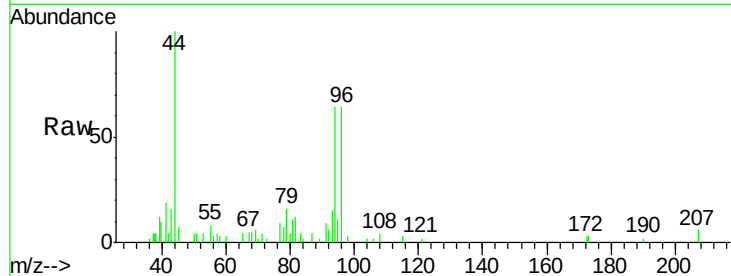
96 99.7 71.6 107.4

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:41 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2000

1500

1000

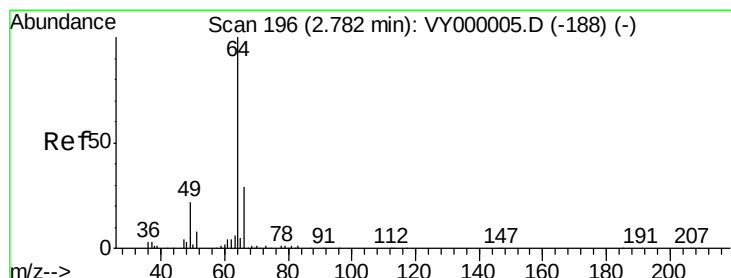
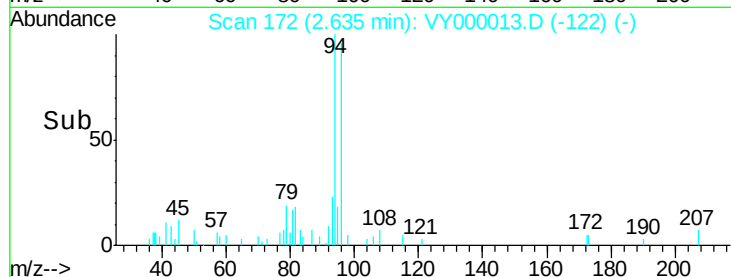
500

0

2.60

2.70

Time-->



#6

Chloroethane

Concen: 3.874 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VY000013.D

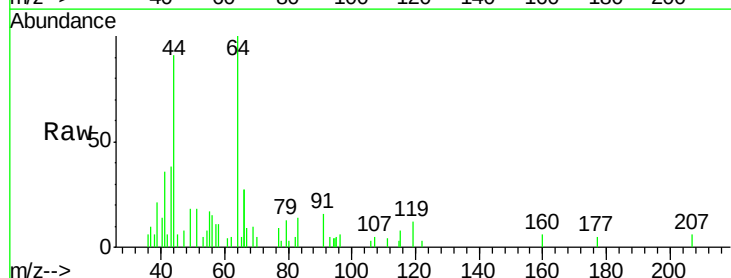
Acq: 11 Sep 2019 21:06

Tgt Ion: 64 Resp: 4036

Ion Ratio Lower Upper

64 100

66 49.6 23.5 35.3#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2000

1500

1000

500

0

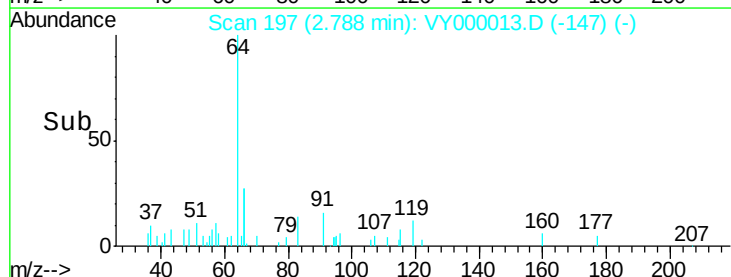
2.70

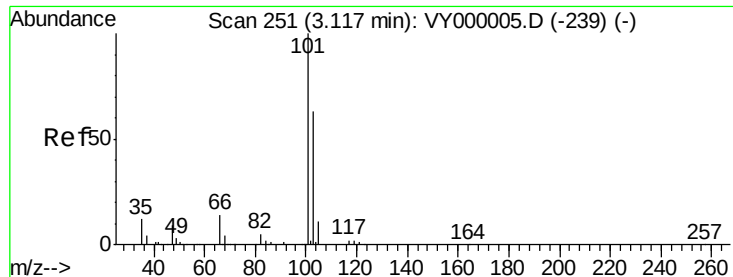
2.75

2.80

2.85

Time-->





#7

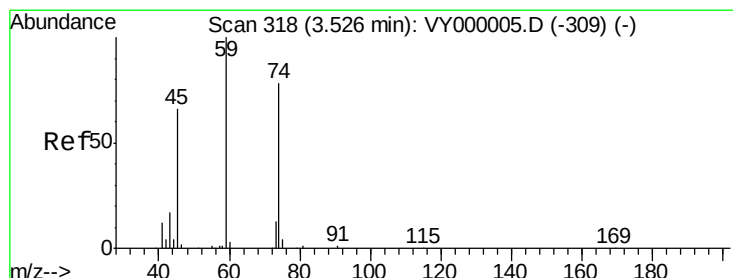
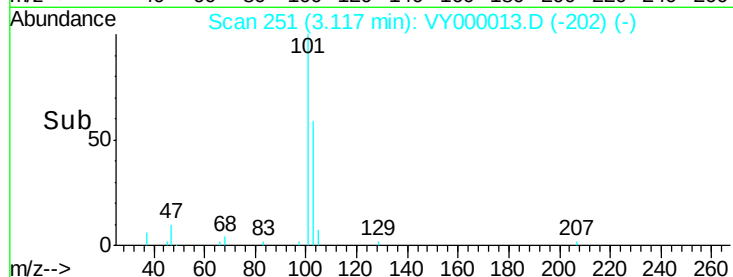
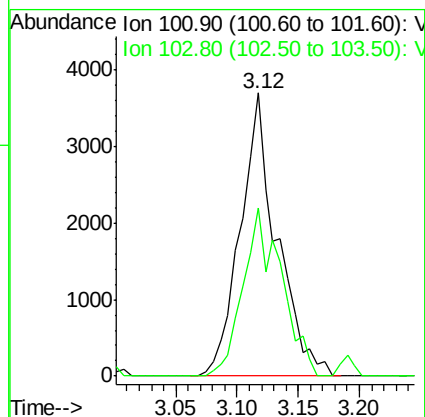
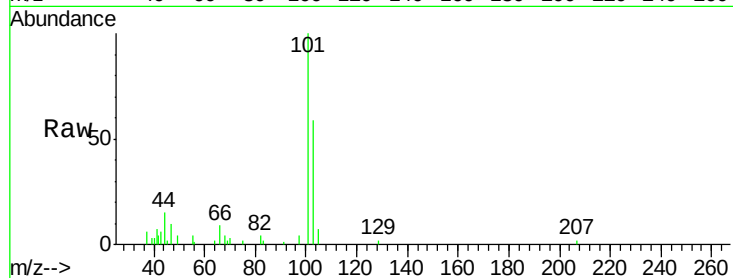
Trichlorofluoromethane
Concen: 3.926 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	50.0	75.0

Manual Integrations
APPROVED

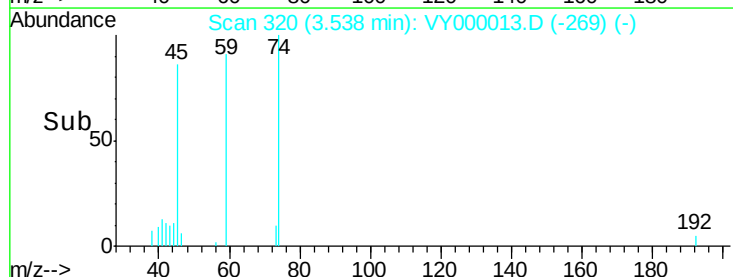
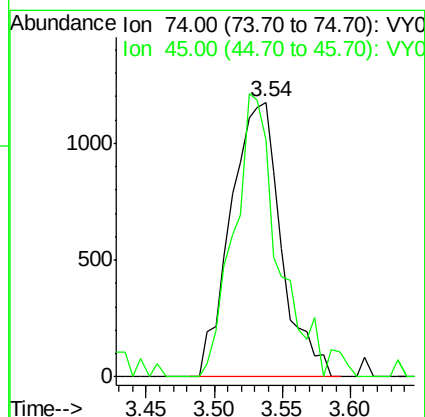
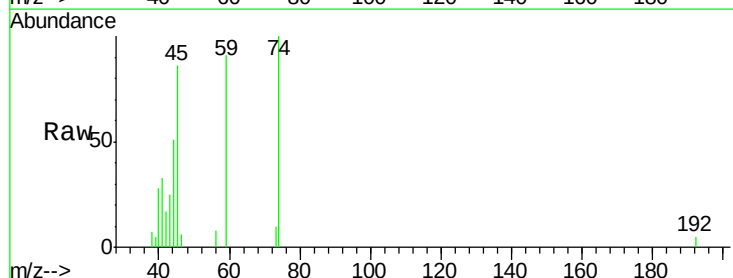
MMDadoda
9/13/2019 11:51:41 PM

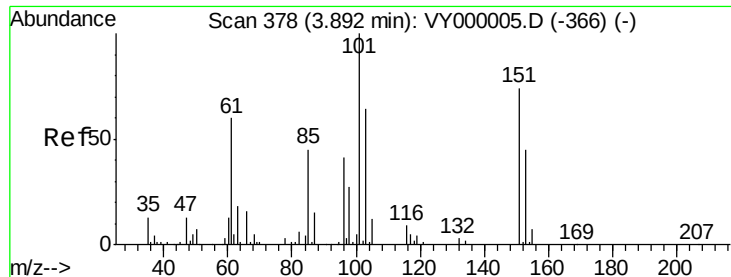


#8

Diethyl Ether
Concen: 3.990 ug/l
RT: 3.54 min Scan# 320
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	40.5	121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.502 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

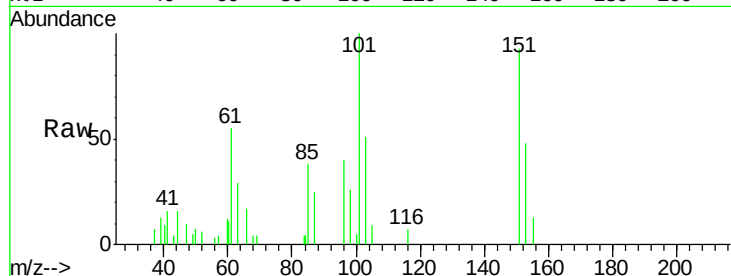
ClientSampleId :

MDL 3 PPB

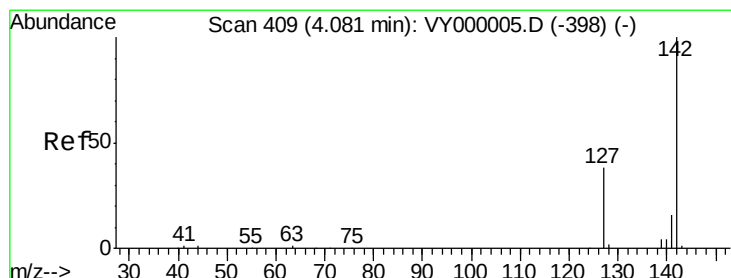
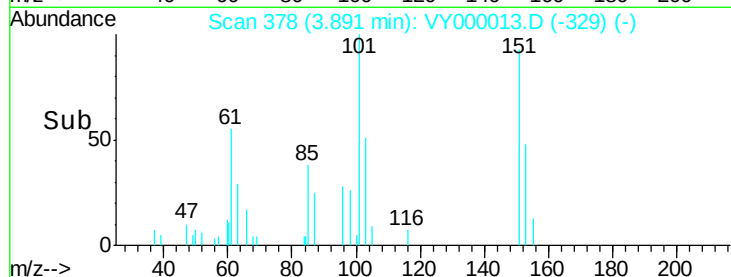
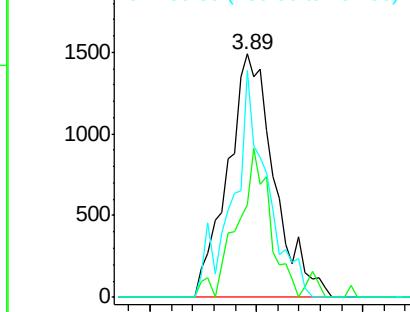
Tot Ion:	101	Resp:	4562
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.0	51.0
151	68.1	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 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: 2.624 ug/l

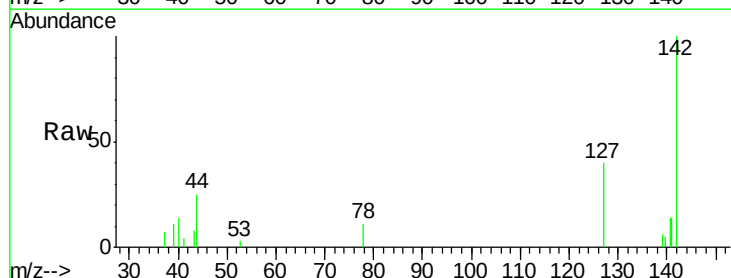
RT: 4.09 min Scan# 410

Delta R.T. 0.01 min

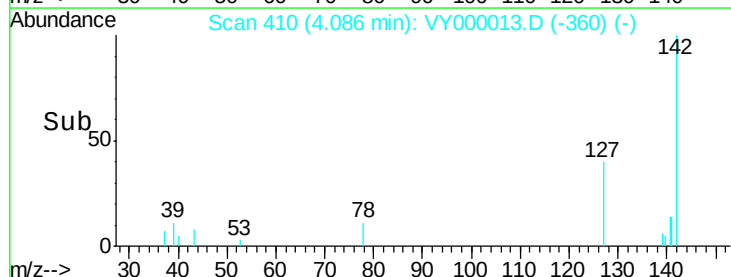
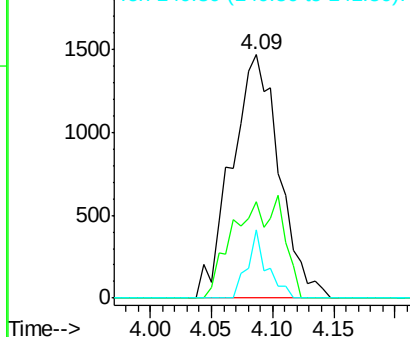
Lab File: VY000013.D

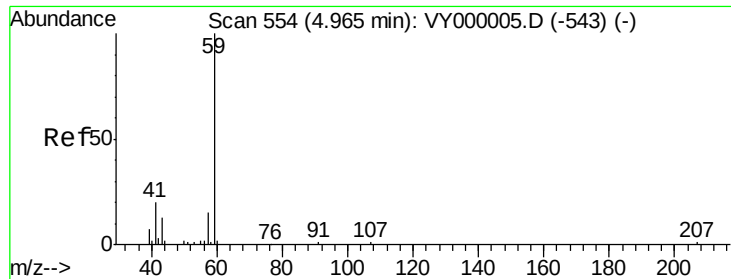
Acq: 11 Sep 2019 21:06

Tgt Ion:	142	Resp:	3978
Ion Ratio	Lower	Upper	
142	100		
127	27.6	30.0	45.0#
141	11.3	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





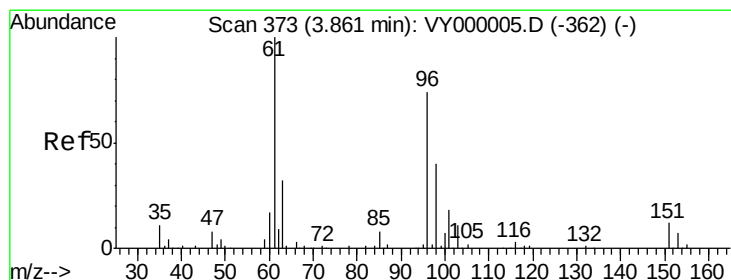
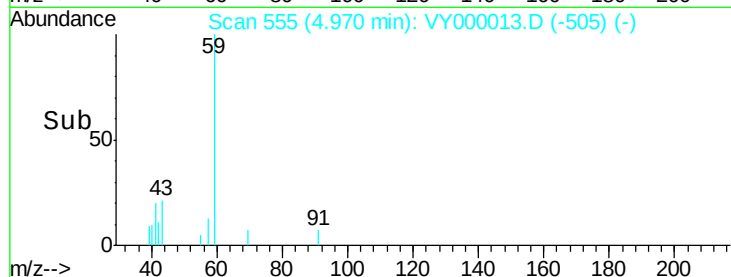
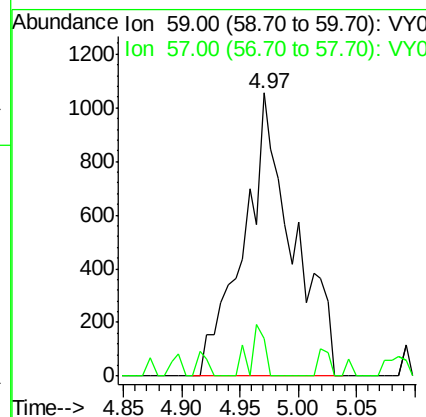
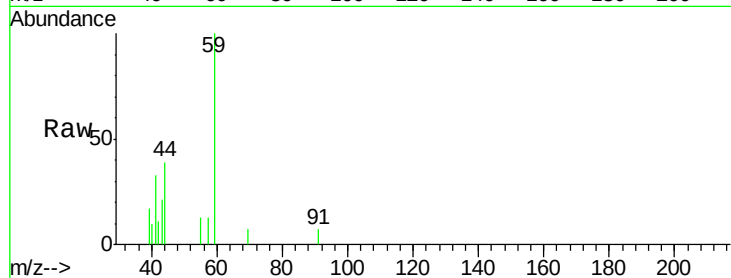
#11
Tert butyl alcohol
Concen: 18.657 ug/l
RT: 4.97 min Scan# 555
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
59	100	3101		
57	5.3	8.9	13.3#	

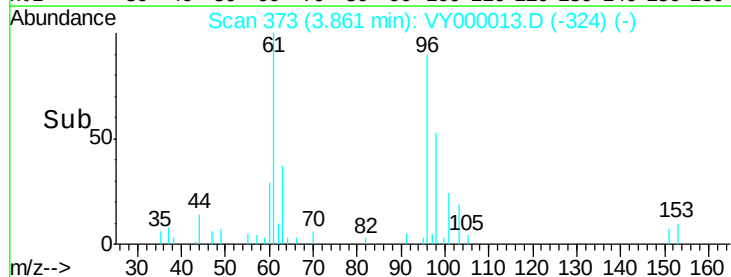
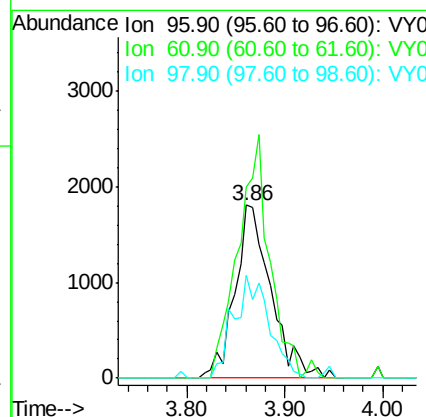
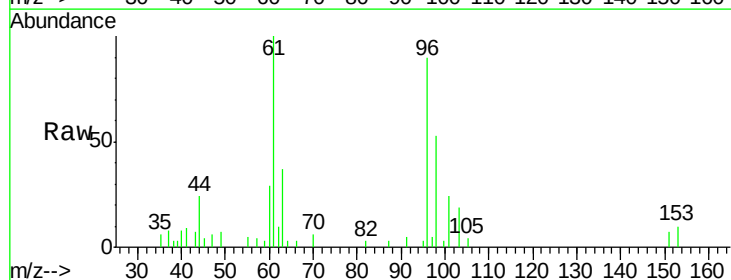
Manual Integrations
APPROVED

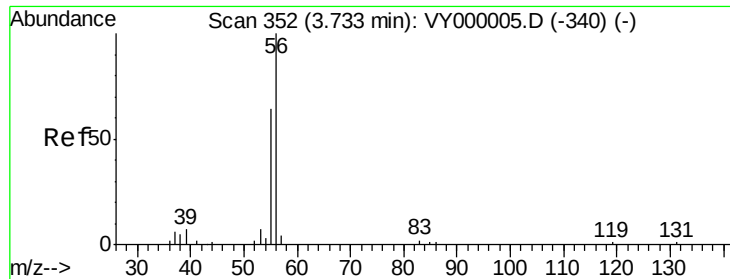
MMDadoda
9/13/2019 11:51:41 PM



#12
1,1-Dichloroethene
Concen: 3.670 ug/l
RT: 3.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	4628		
61	110.8	108.1	162.1	
98	59.3	42.8	64.2	





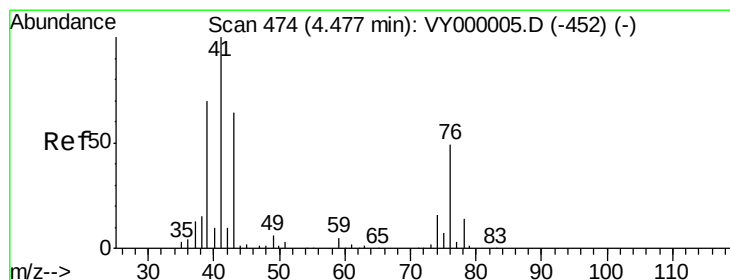
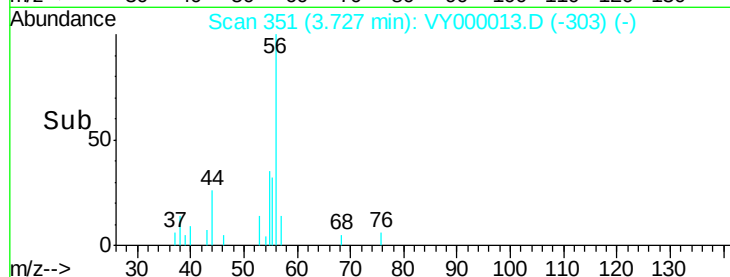
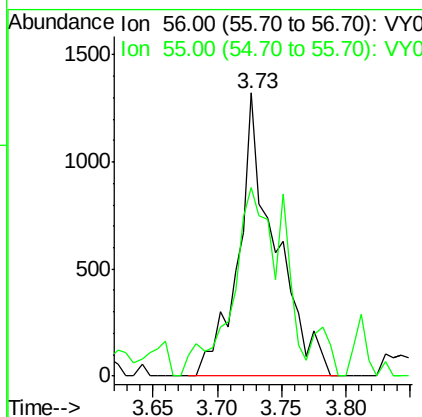
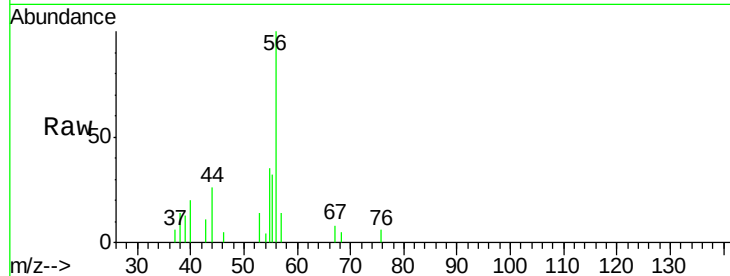
#13
Acrolein
Concen: 19.095 ug/l
RT: 3.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
56	100		
55	91.2	53.3	79.9#

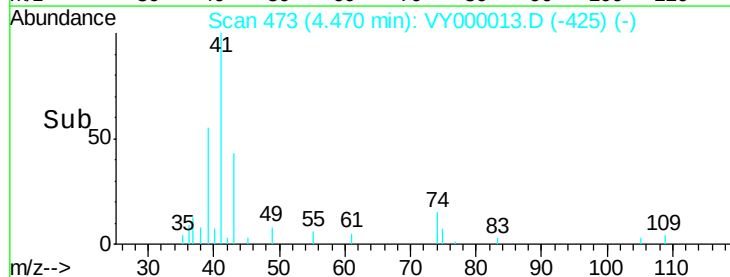
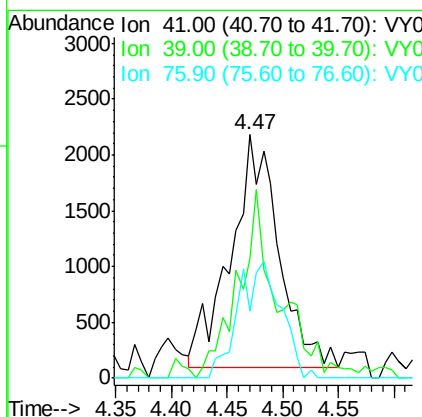
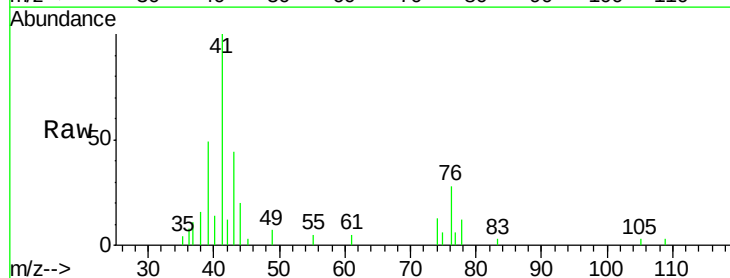
Manual Integrations
APPROVED

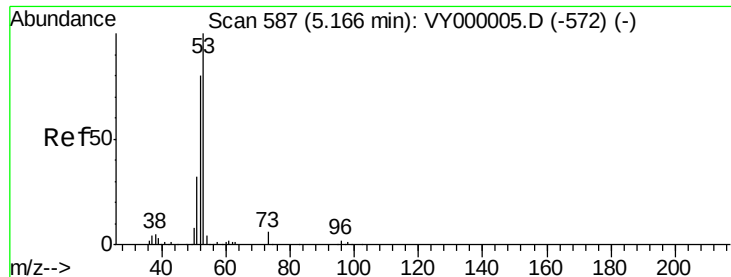
MMDadoda
9/13/2019 11:51:41 PM



#14
Allyl chloride
Concen: 3.298 ug/l
RT: 4.47 min Scan# 473
Delta R.T. -0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.8	52.4	78.6
76	43.7	33.3	49.9





#15

Acrylonitrile

Concen: 16.529 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

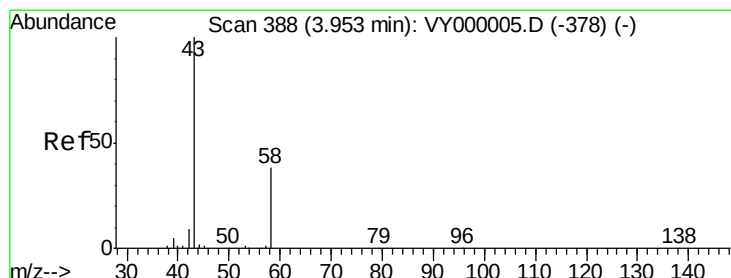
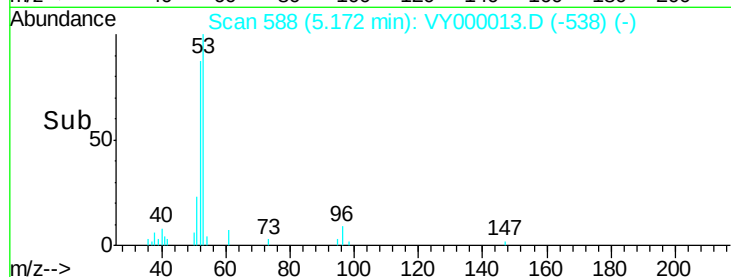
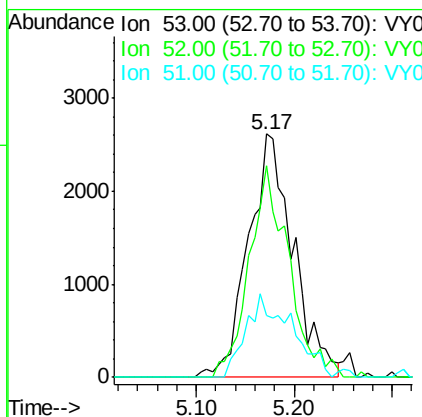
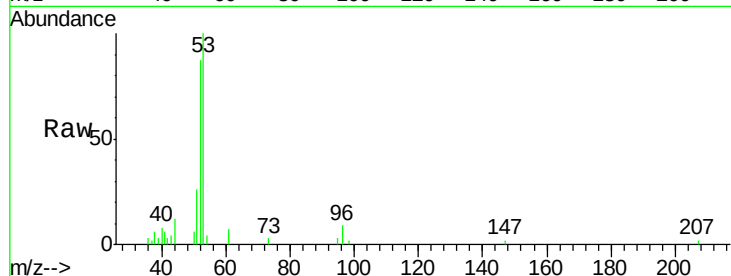
ClientSampleId :

MDL 3 PPB

Tot Ion:	53	Resp:	8277
Ion	Ratio	Lower	Upper
53	100		
52	77.0	64.4	96.6
51	35.0	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#16

Acetone

Concen: 18.564 ug/l

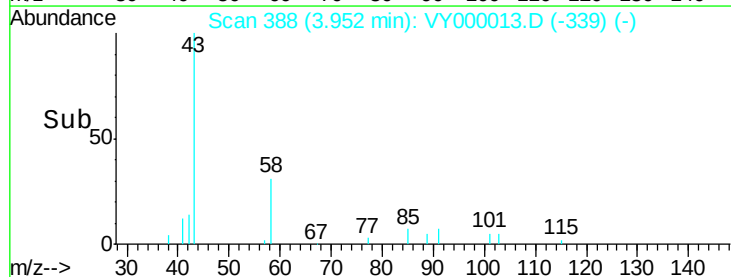
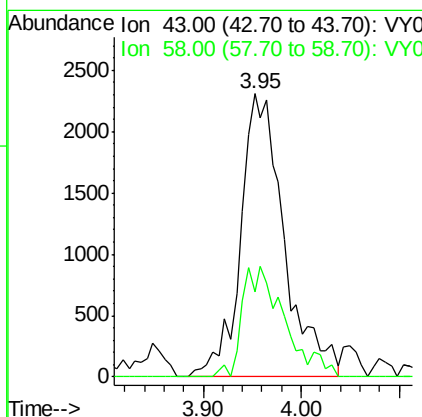
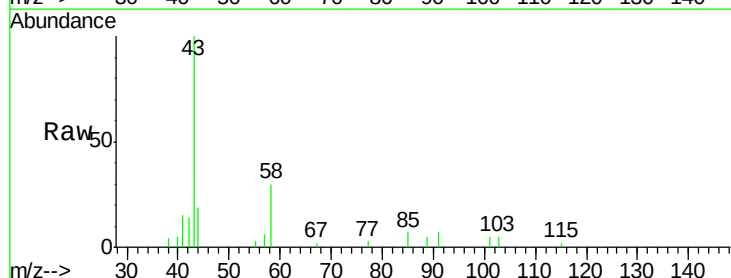
RT: 3.95 min Scan# 388

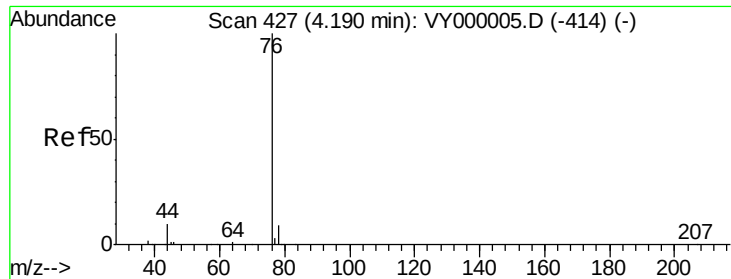
Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion:	43	Resp:	7158
Ion	Ratio	Lower	Upper
43	100		
58	29.9	30.5	45.7#





#17

Carbon Disulfide

Concen: 4.144 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 76 Resp: 10950

Ion Ratio Lower Upper

76 100

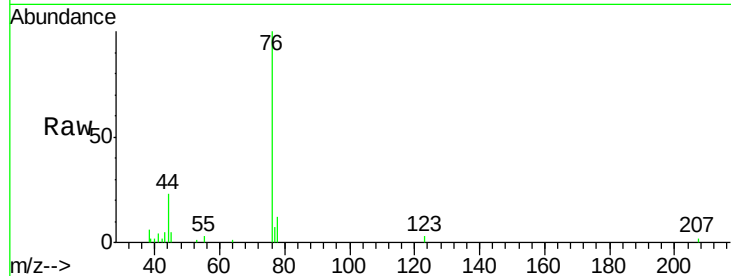
78 11.9 7.2 10.8#

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:41 PM

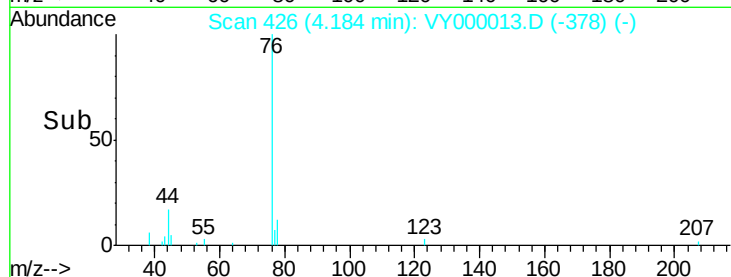


Abundance Ion 75.90 (75.60 to 76.60): VY0

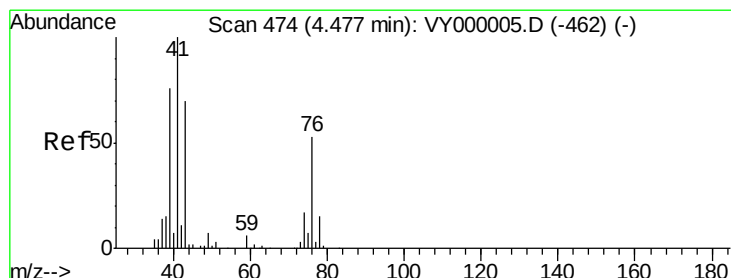
Ion 77.90 (77.60 to 78.60): VY0

4.18

4.15 4.20 4.25



Time-->



#18

Methyl Acetate

Concen: 3.969 ug/l

RT: 4.48 min Scan# 474

Delta R.T. 0.00 min

Lab File: VY000013.D

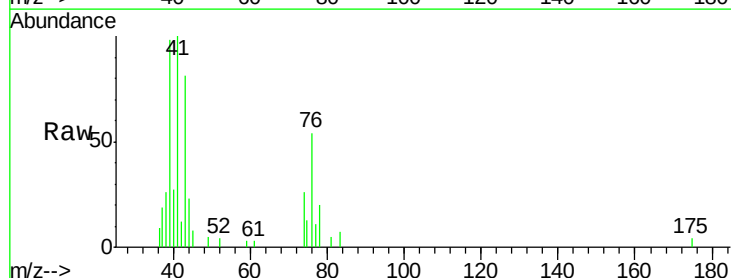
Acq: 11 Sep 2019 21:06

Tgt Ion: 43 Resp: 4648

Ion Ratio Lower Upper

43 100

74 28.5 21.4 32.2

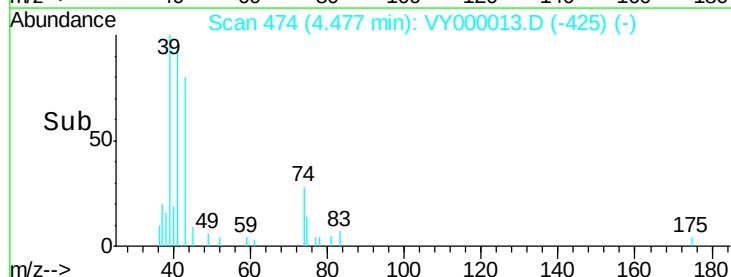


Abundance Ion 43.00 (42.70 to 43.70): VY0

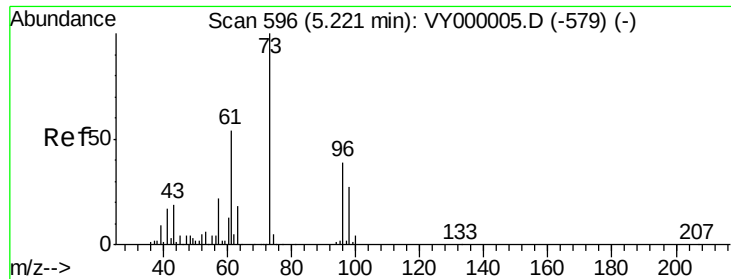
Ion 74.00 (73.70 to 74.70): VY0

4.48

4.40 4.45 4.50 4.55



Time-->



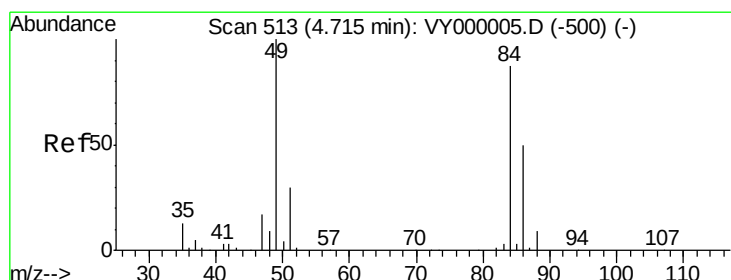
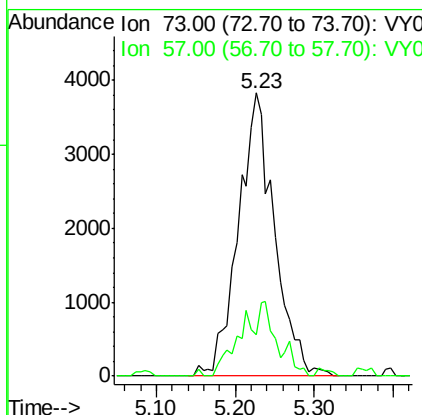
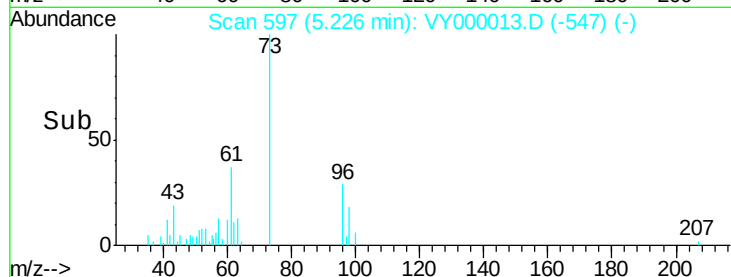
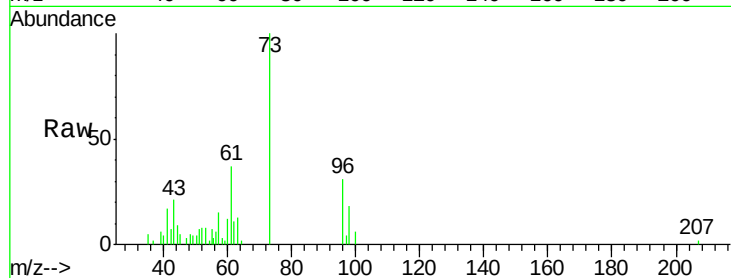
#19
Methyl tert-butyl Ether
Concen: 3.417 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 73 Resp: 12138
Ion Ratio Lower Upper
73 100
57 14.8 18.2 27.4#

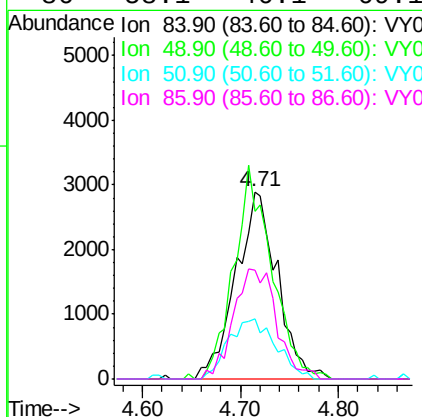
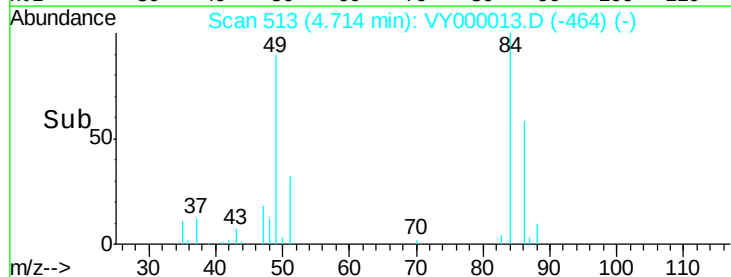
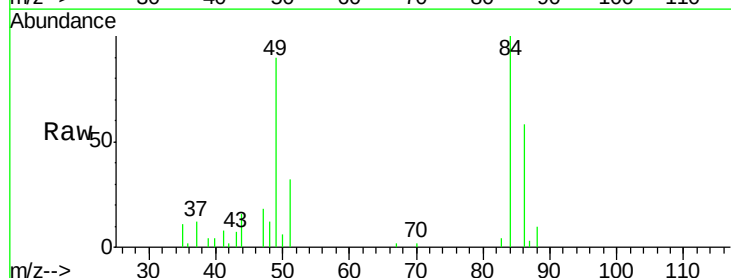
Manual Integrations
APPROVED

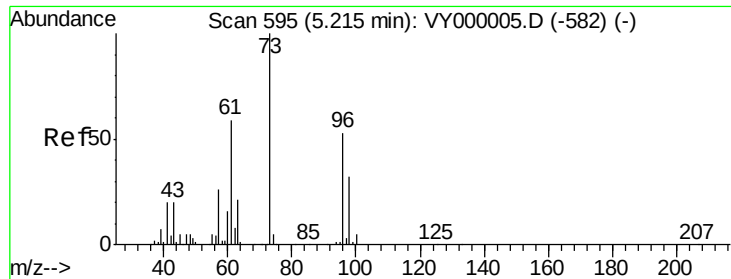
MMDadoda
9/13/2019 11:51:41 PM



#20
Methylene Chloride
Concen: 5.364 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion: 84 Resp: 8508
Ion Ratio Lower Upper
84 100
49 89.8 91.7 137.5#
51 31.9 28.0 42.0
86 58.1 46.1 69.1





#21

trans-1,2-Dichloroethene

Concen: 3.888 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

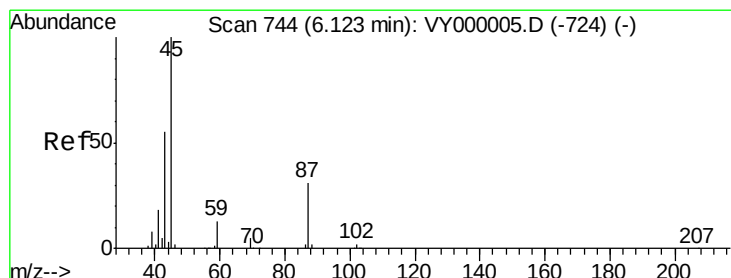
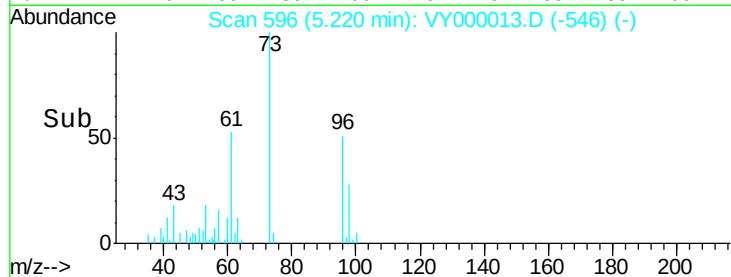
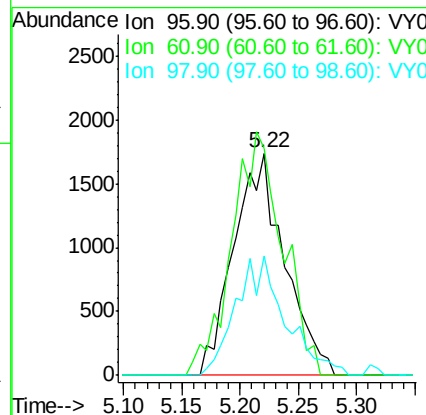
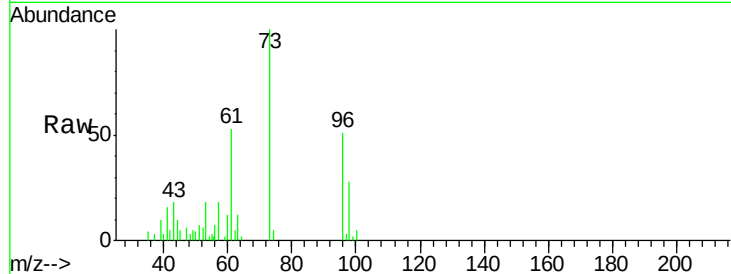
ClientSampled :

MDL 3 PPB

Tot Ion:	96	Resp:	5282
Ion	Ratio	Lower	Upper
96	100		
61	102.2	89.4	134.2
98	53.8	48.6	73.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#22

Diisopropyl ether

Concen: 3.049 ug/l

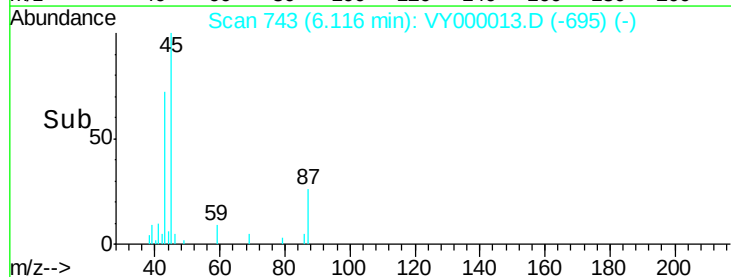
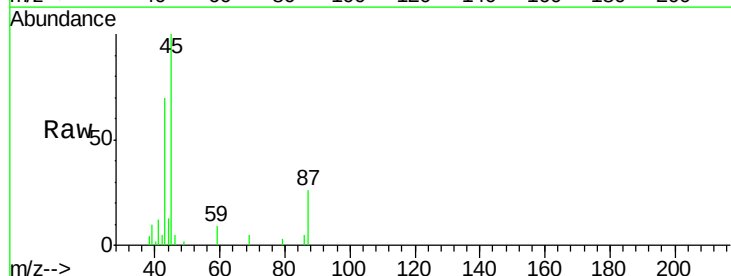
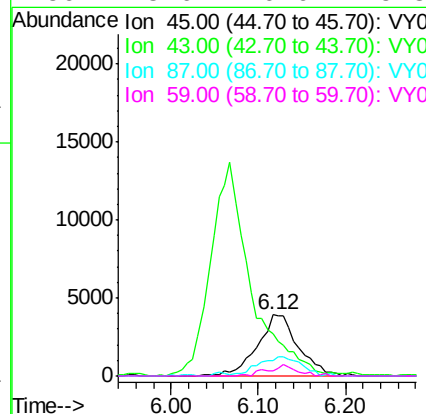
RT: 6.12 min Scan# 743

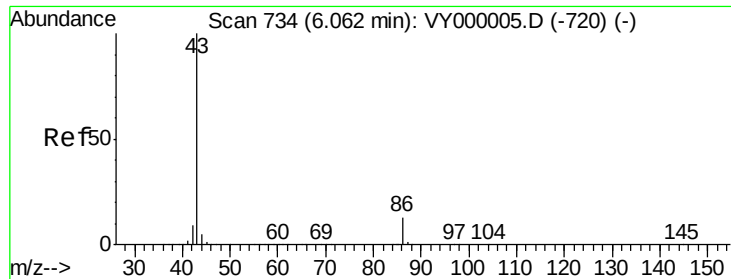
Delta R.T. -0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion:	45	Resp:	12714
Ion	Ratio	Lower	Upper
45	100		
43	66.6	45.2	67.8
87	25.7	25.3	37.9
59	8.6	10.6	15.8#





#23

Vinyl Acetate

Concen: 15.449 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tot Ion: 43 Resp: 43675

Ion Ratio Lower Upper

43 100

86 12.6 10.3 15.5

Instrument :

MSVOA_Y

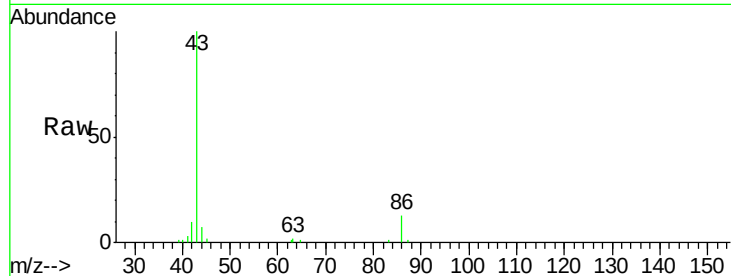
ClientSampleId :

MDL 3 PPB

Manual Integrations
APPROVED

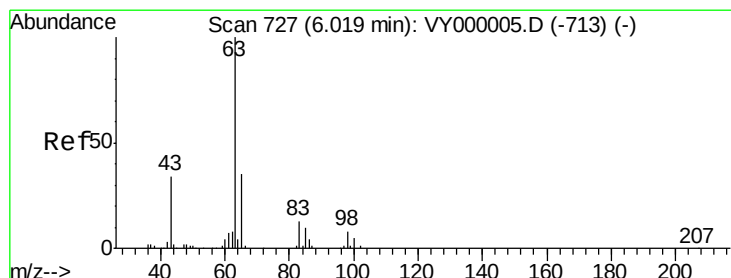
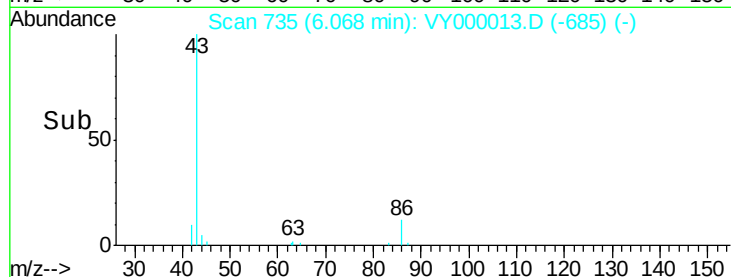
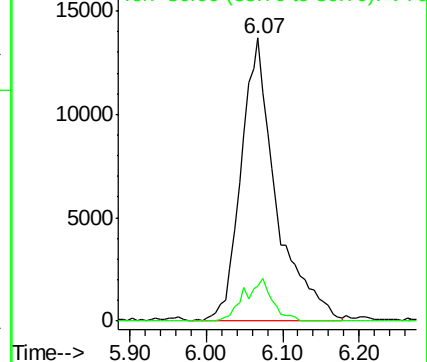
MMDadoda

9/13/2019 11:51:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 3.337 ug/l

RT: 6.03 min Scan# 728

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

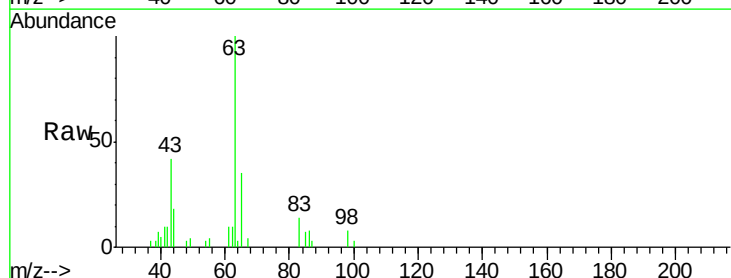
Tgt Ion: 63 Resp: 8336

Ion Ratio Lower Upper

63 100

98 7.9 4.0 12.0

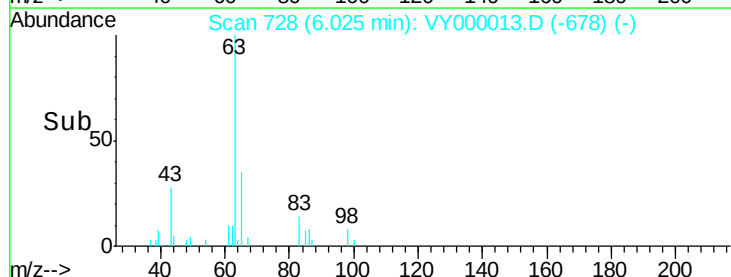
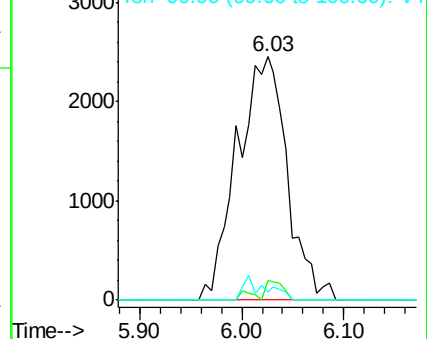
100 3.4 2.5 7.5

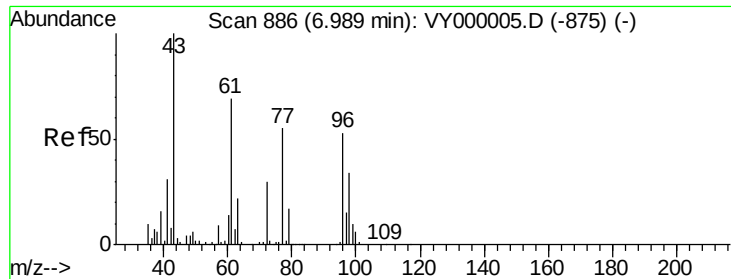


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 15.303 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

Tot Ion: 43 Resp: 9317

Ion Ratio Lower Upper

43 100

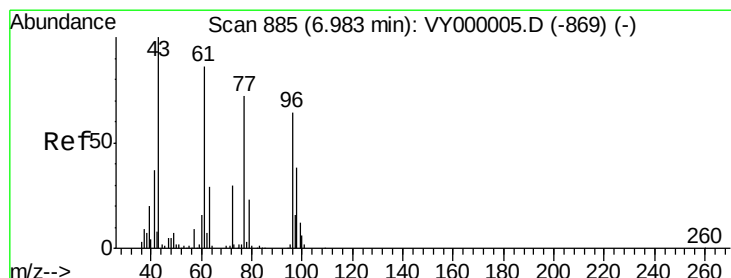
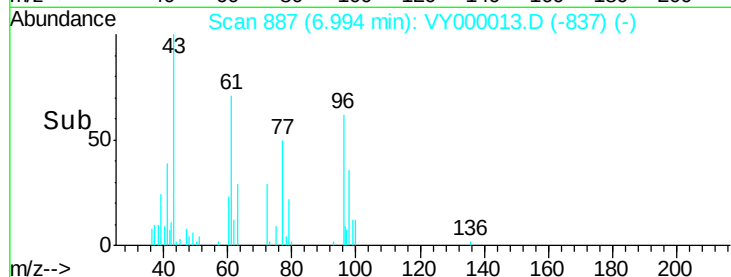
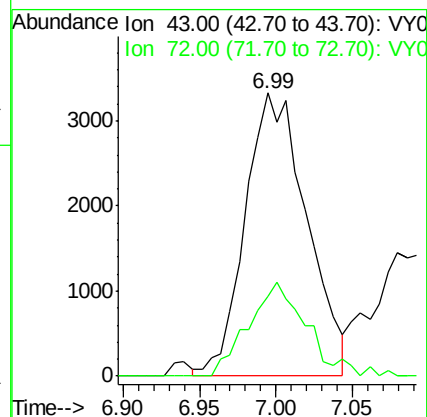
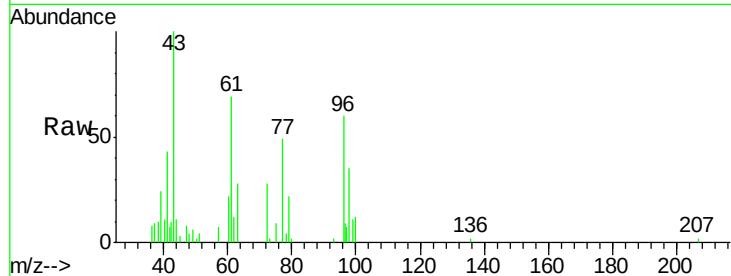
72 28.7 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:41 PM



#26

2,2-Dichloropropane

Concen: 3.022 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000013.D

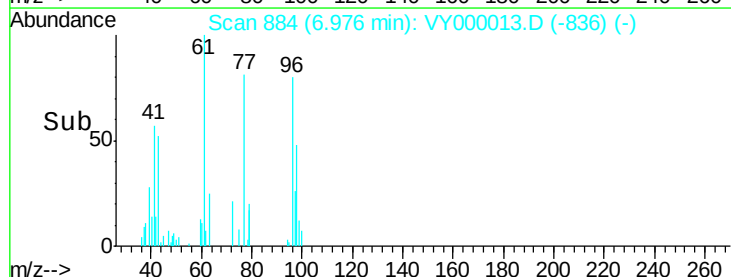
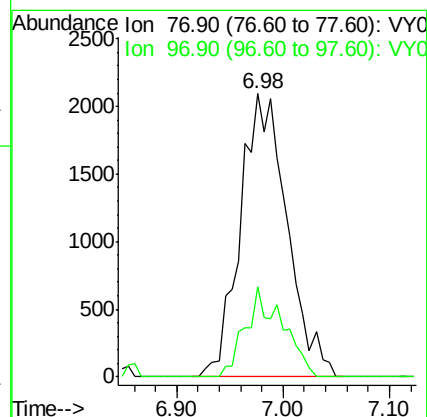
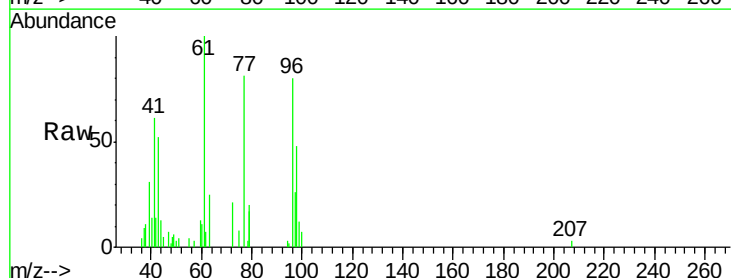
Acq: 11 Sep 2019 21:06

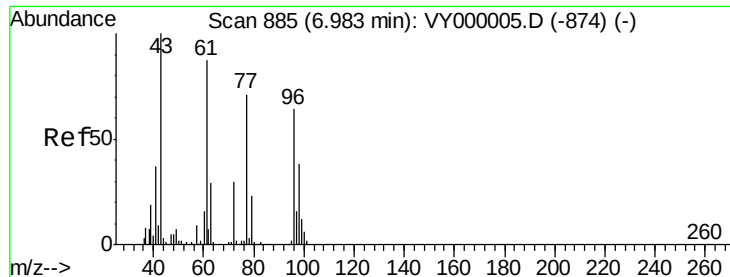
Tgt Ion: 77 Resp: 6455

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.6





#27

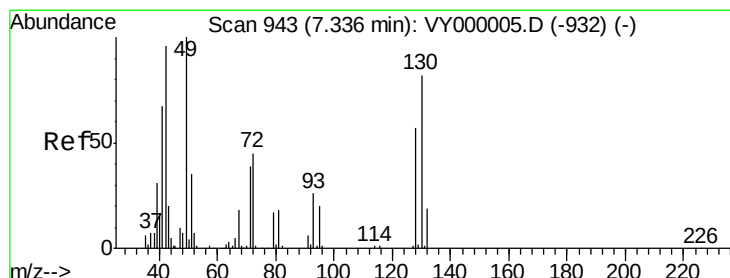
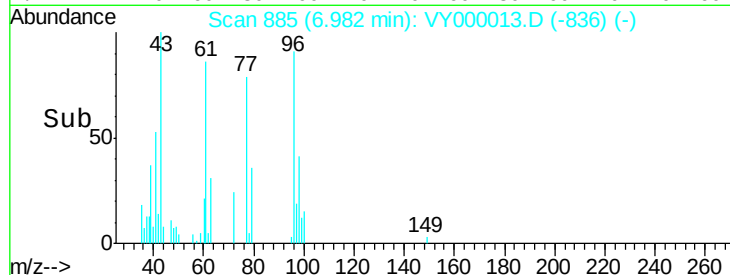
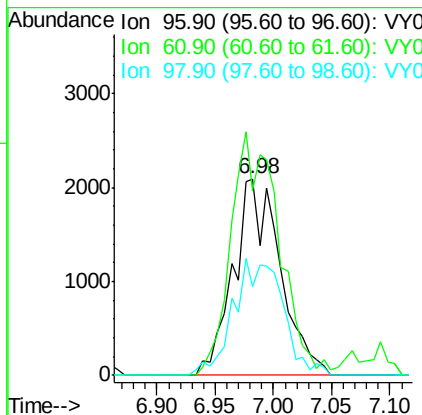
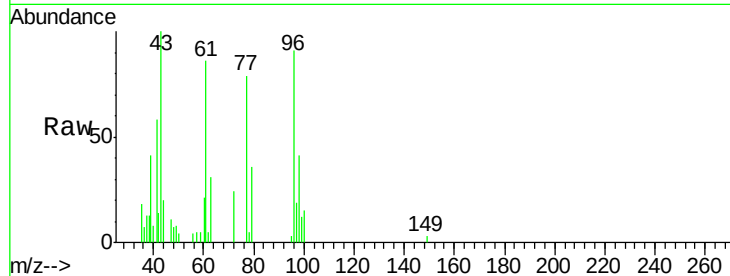
cis-1,2-Dichloroethene
Concen: 3.410 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	259.0
98	62.6	0.0	129.8

Manual Integrations
APPROVED

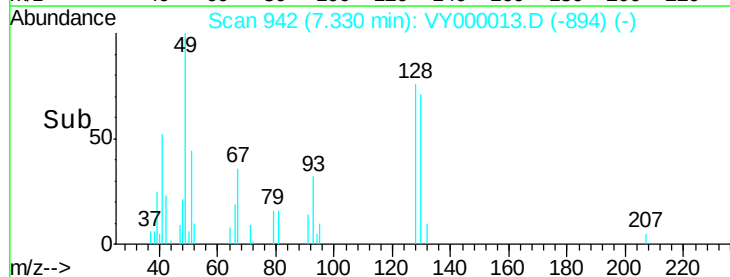
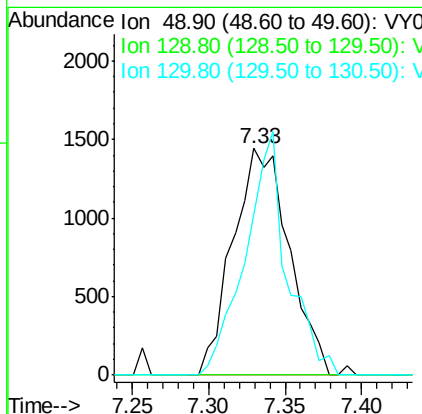
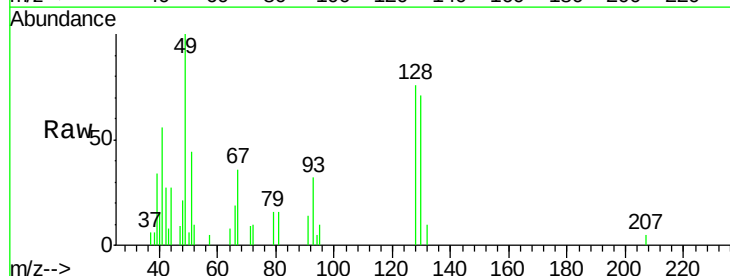
MMDadoda
9/13/2019 11:51:41 PM

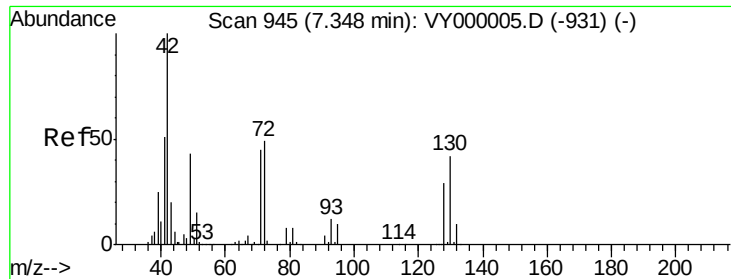


#28

Bromochloromethane
Concen: 3.192 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	80.1	65.3	97.9





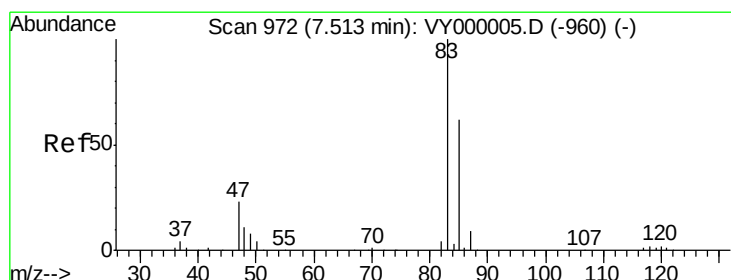
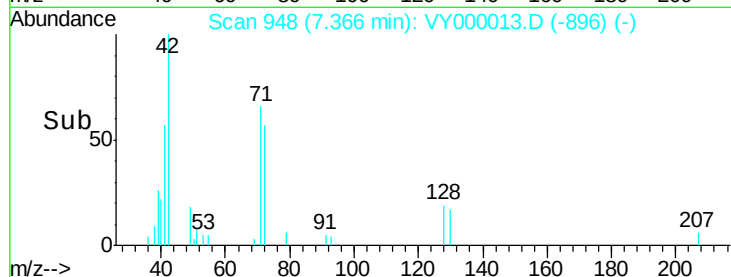
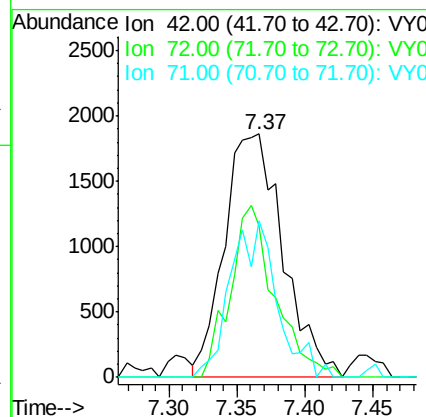
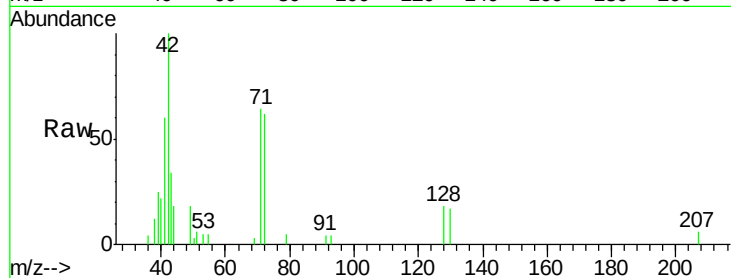
#29
Tetrahydrofuran
Concen: 14.744 ug/l
RT: 7.37 min Scan# 948
Delta R.T. 0.02 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.7	39.2	58.8
71	25.7	36.4	54.6

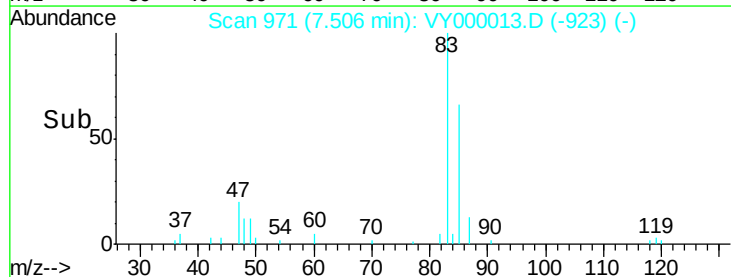
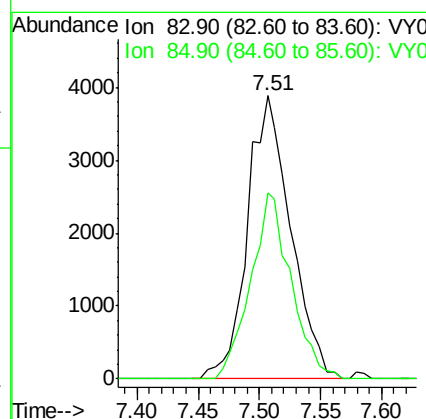
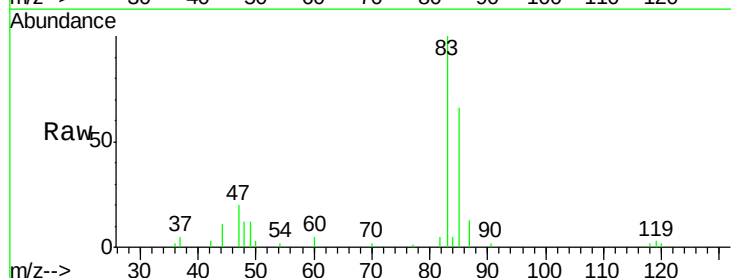
Manual Integrations
APPROVED

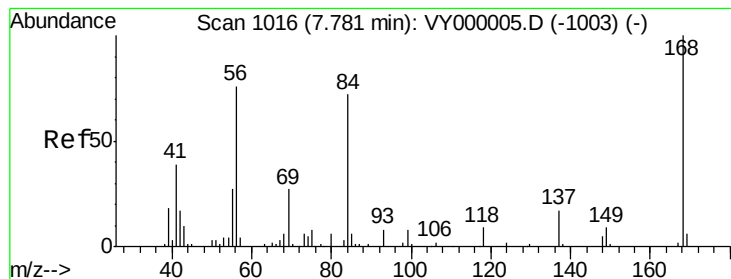
MMDadoda
9/13/2019 11:51:41 PM



#30
Chloroform
Concen: 3.775 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.4	74.0





#31

Cyclohexane

Concen: 5.004 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

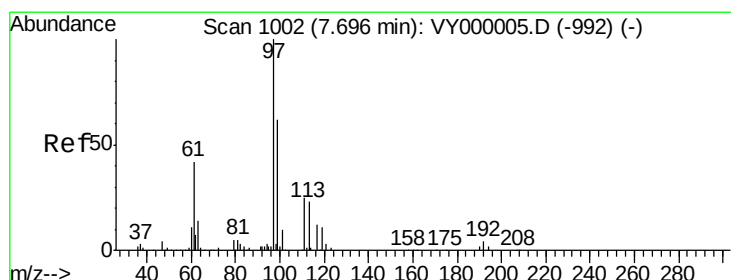
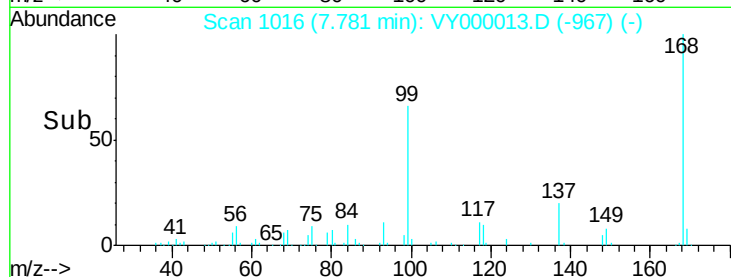
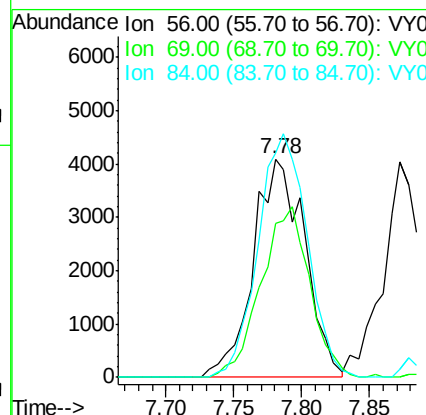
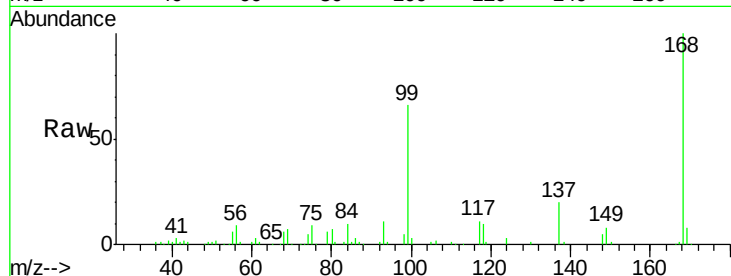
ClientSampleId :

MDL 3 PPB

Tot Ion:	56	Resp:	10815
Ion Ratio	Lower	Upper	
56	100		
69	70.7	28.5	42.7#
84	102.5	76.4	114.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#32

1,1,1-Trichloroethane

Concen: 3.486 ug/l

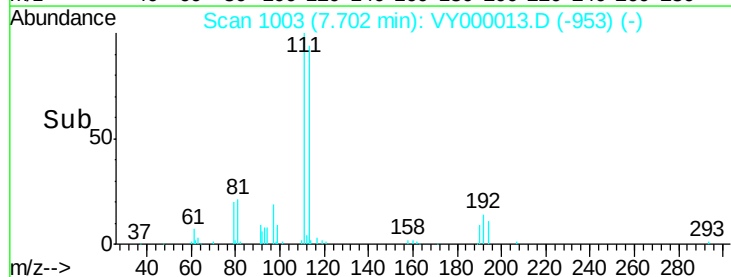
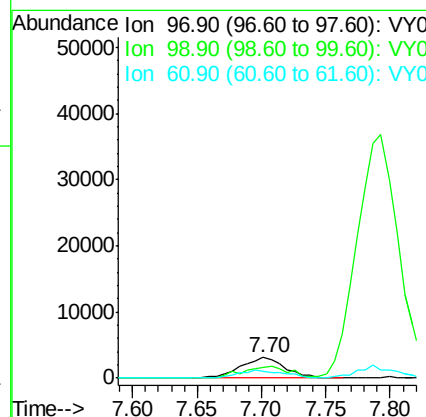
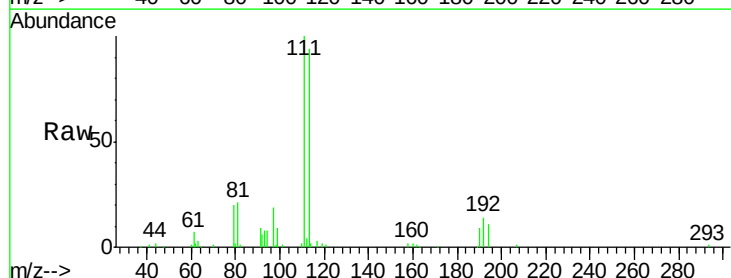
RT: 7.70 min Scan# 1003

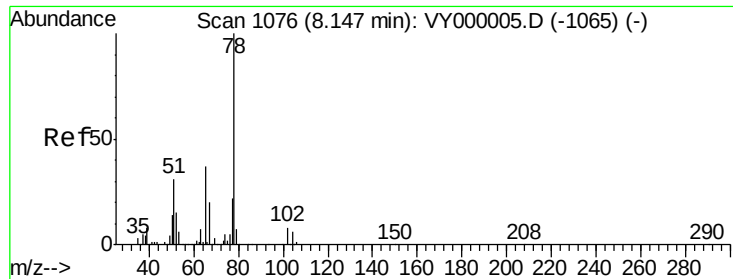
Delta R.T. 0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion:	97	Resp:	7274
Ion Ratio	Lower	Upper	
97	100		
99	61.3	50.3	75.5
61	40.3	35.0	52.4





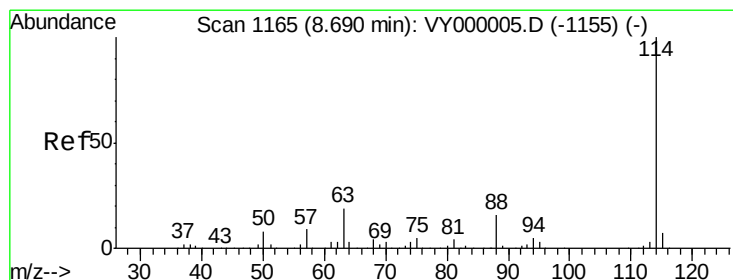
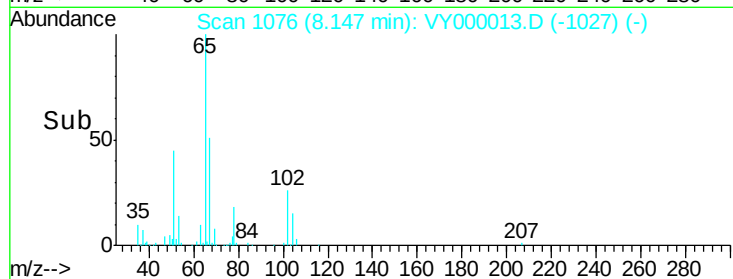
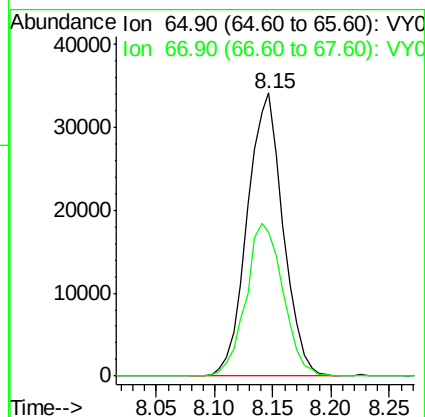
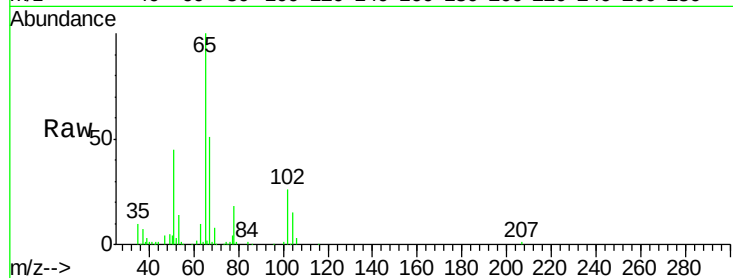
#33
 1,2-Dichloroethane-d4
 Concen: 52.945 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.9	0.0	111.4	

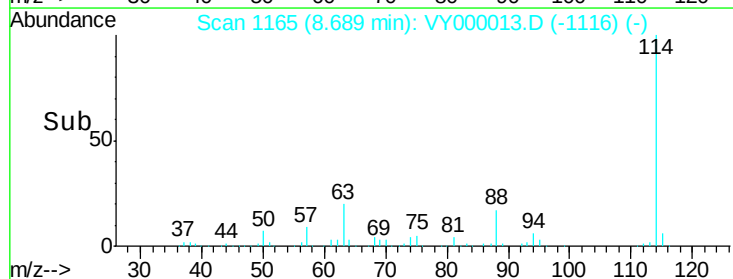
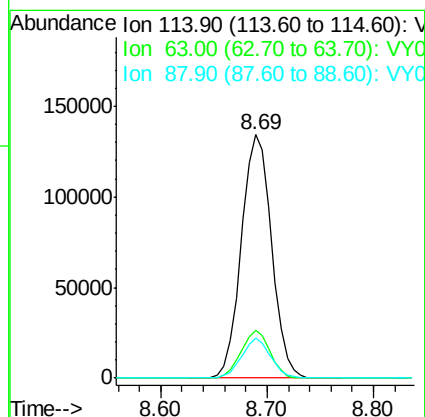
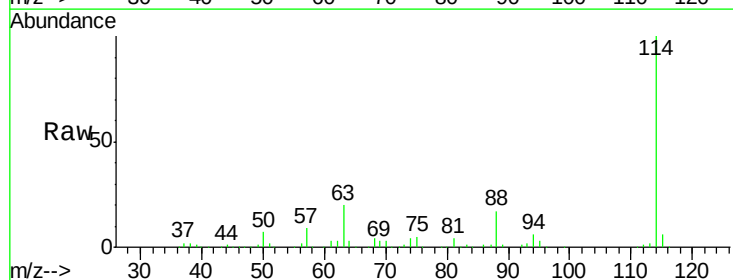
Manual Integrations
 APPROVED

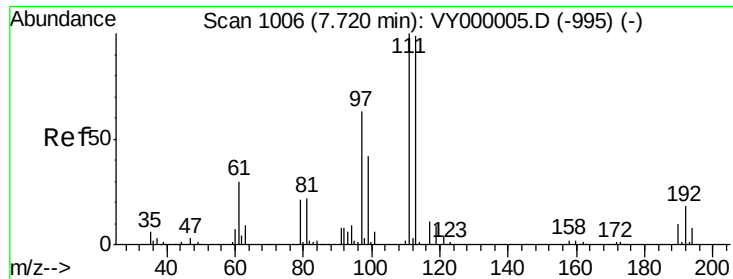
MMDadoda
 9/13/2019 11:51:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	37.4	
88	16.5	0.0	32.6	





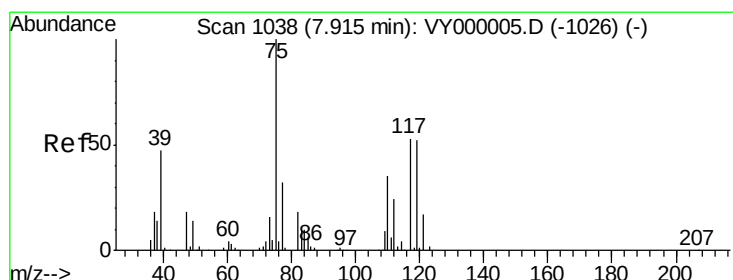
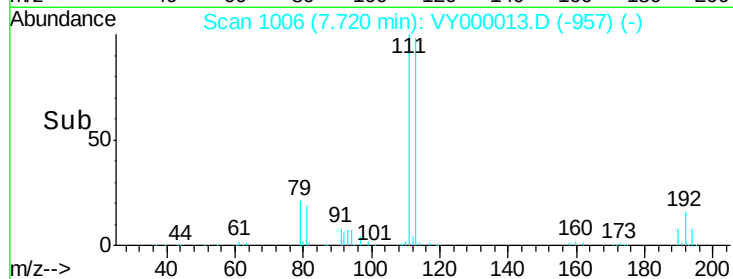
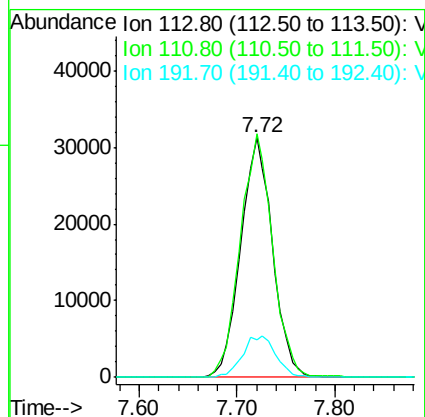
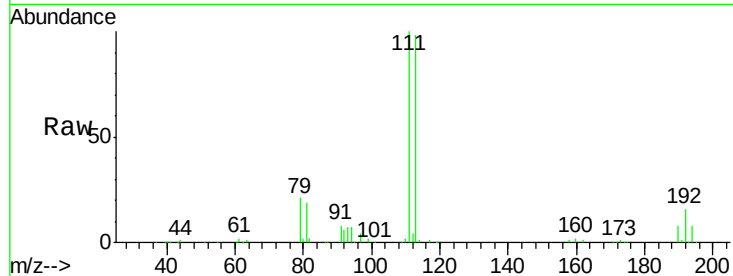
#35
 Dibromofluoromethane
 Concen: 46.959 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	18.0	15.2	22.8

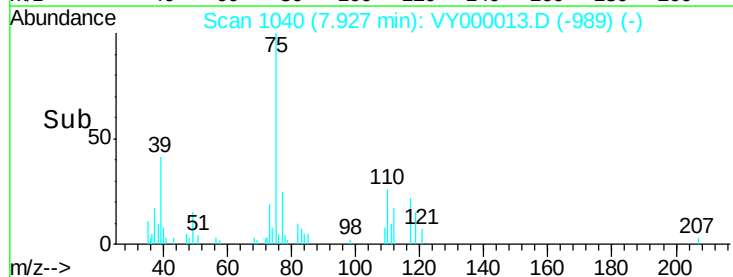
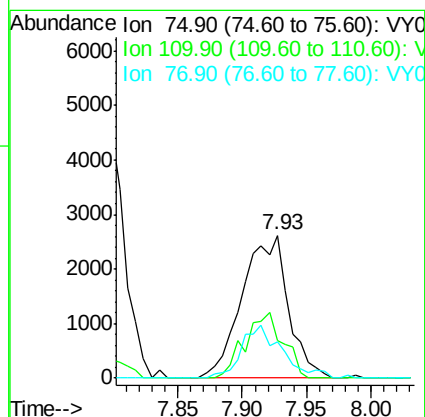
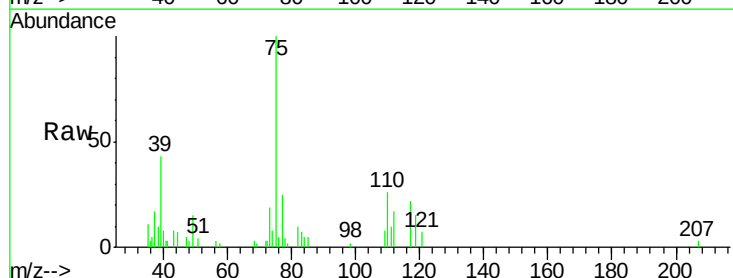
Manual Integrations
 APPROVED

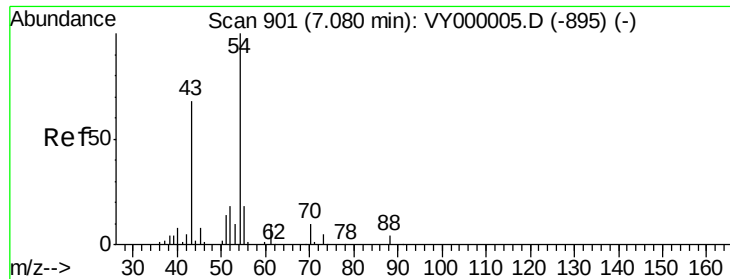
MMDadoda
 9/13/2019 11:51:41 PM



#36
 1,1-Dichloropropene
 Concen: 3.350 ug/l
 RT: 7.93 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.7	56.1
77	32.7	25.6	38.4





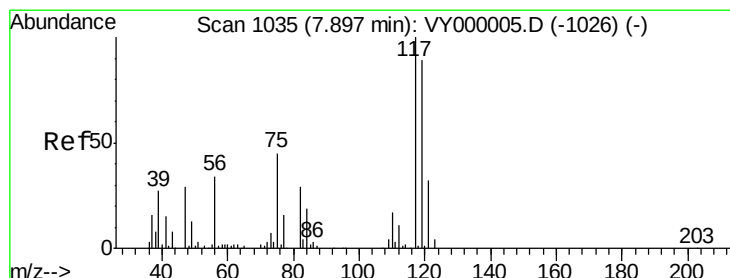
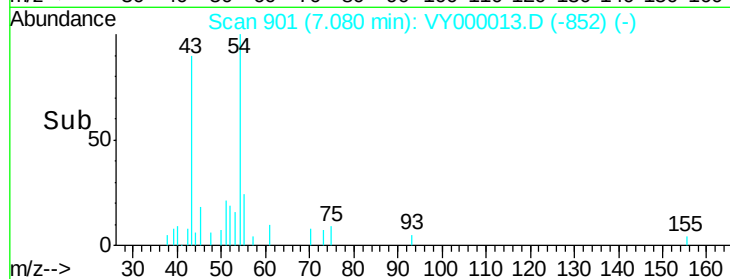
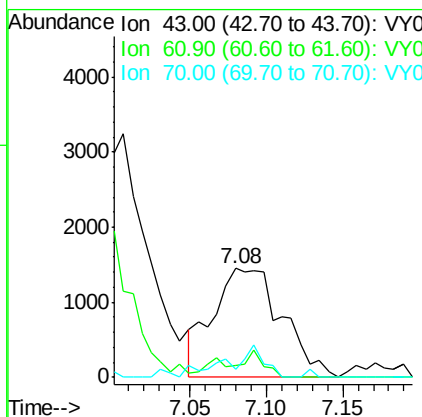
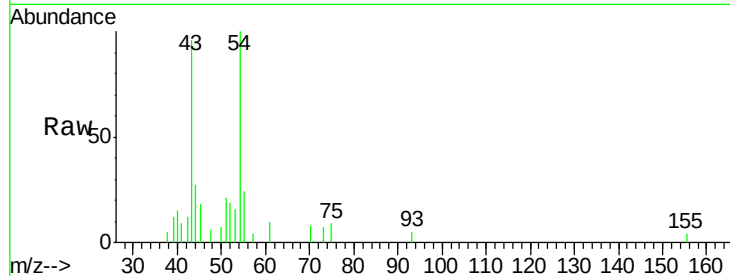
#37
Ethyl Acetate
Concen: 3.426 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
43	100		
61	5.3	13.0	19.4#
70	0.0	11.0	16.4#

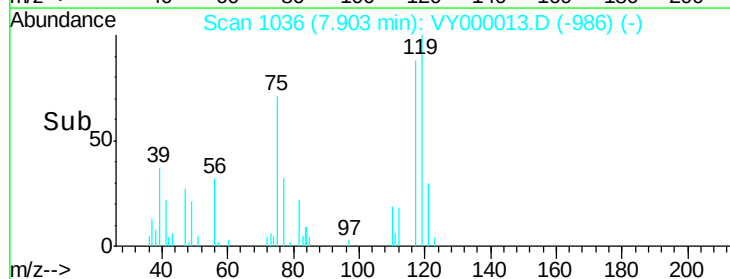
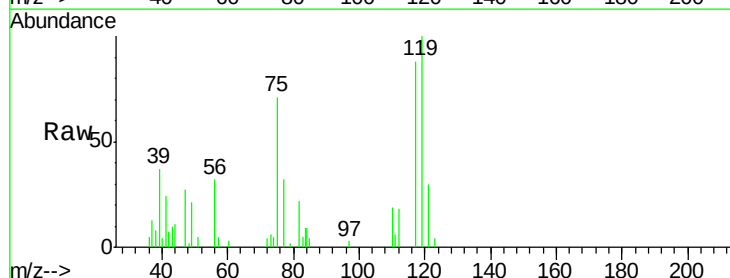
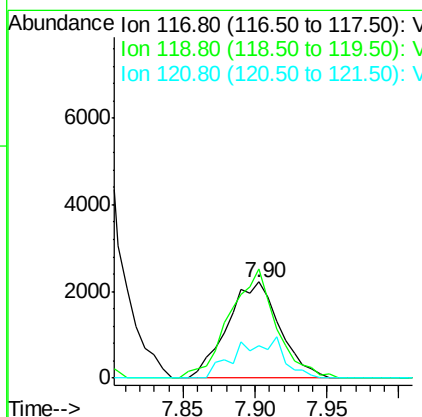
Manual Integrations
APPROVED

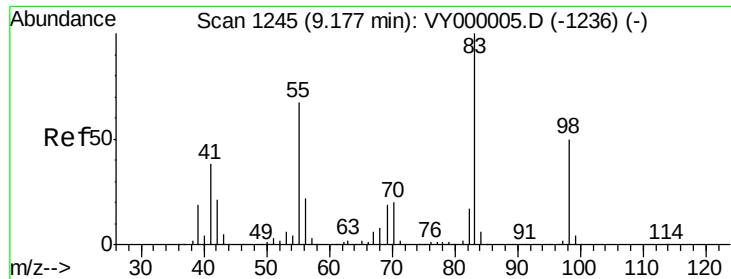
MMDadoda
9/13/2019 11:51:41 PM



#38
Carbon Tetrachloride
Concen: 3.018 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	113.3	71.5	107.3#
121	33.6	25.3	37.9





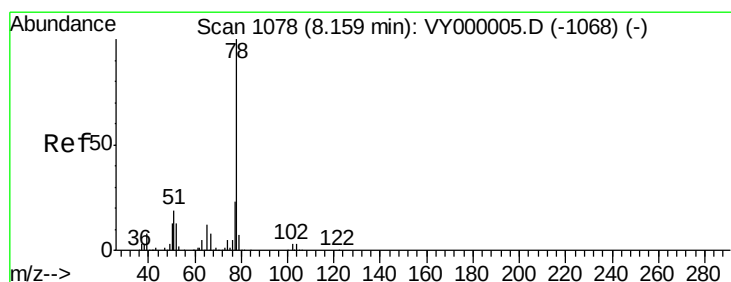
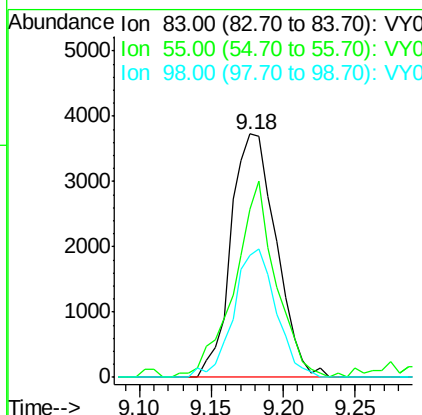
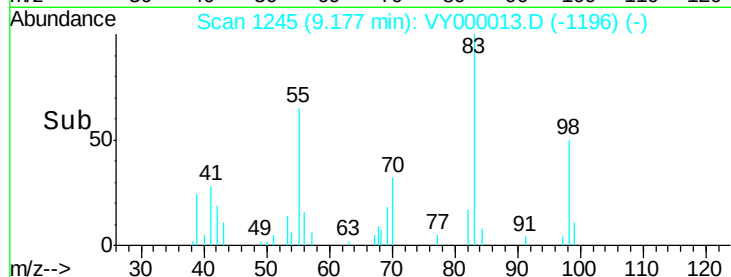
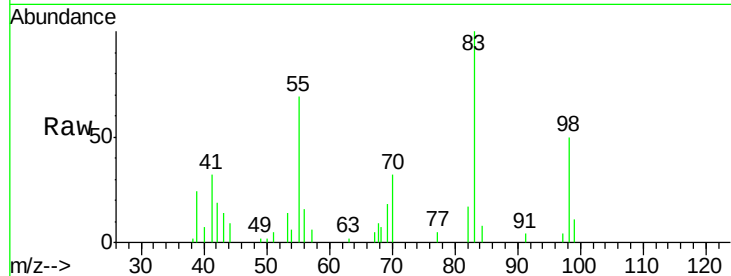
#39
Methylvlcyclohexane
Concen: 3.405 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	83	Resp	8134
Ion Ratio	100	Lower	Upper
83	100		
55	67.4	53.8	80.6
98	49.9	40.0	60.0

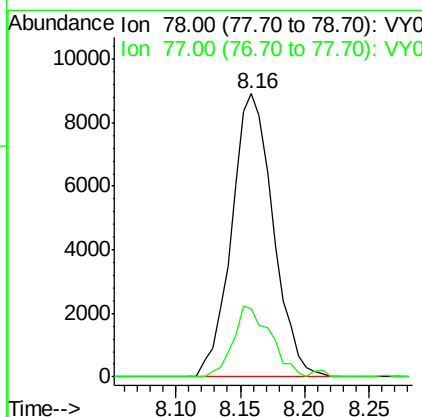
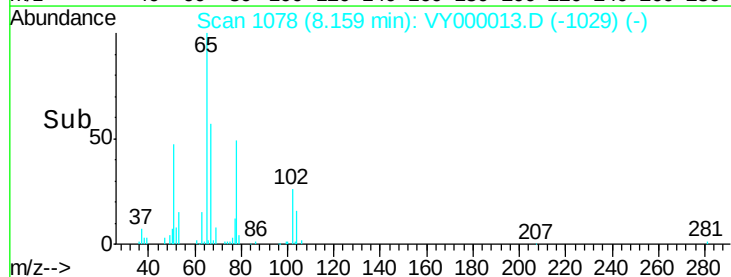
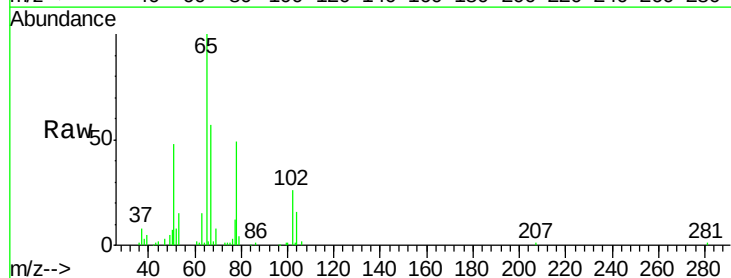
Manual Integrations
APPROVED

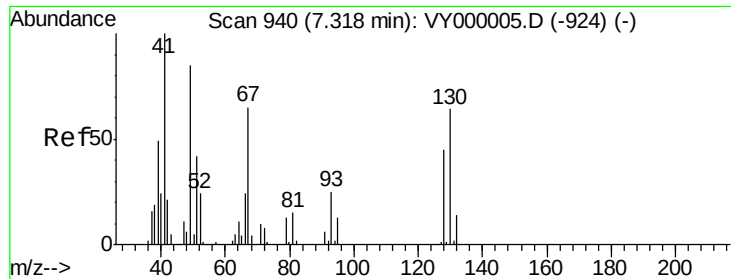
MMDadoda
9/13/2019 11:51:41 PM



#40
Benzene
Concen: 3.196 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	78	Resp	19914
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	18.0	27.0





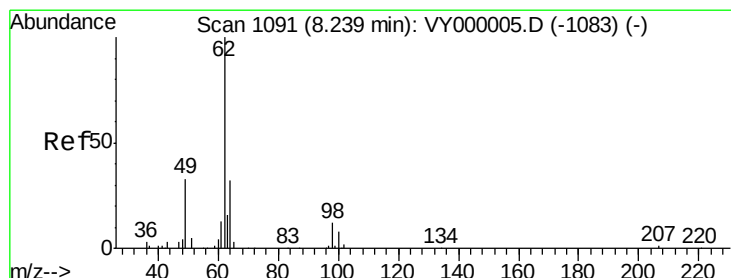
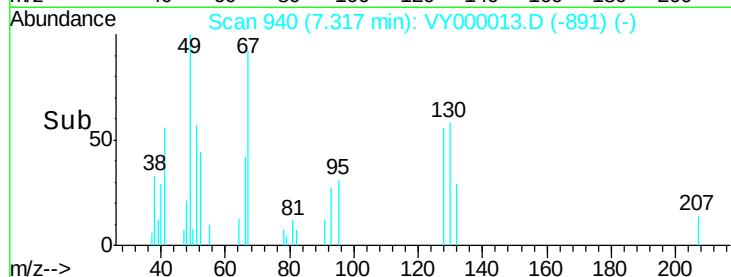
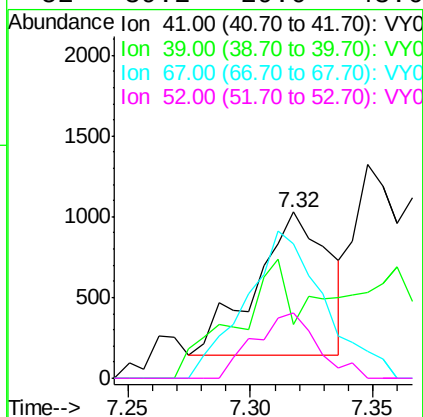
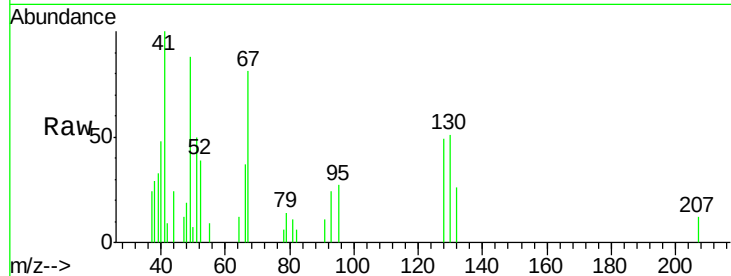
#41
Methacrylonitrile
Concen: 2.334 ug/l
RT: 7.32 min Scan# 940
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	41	Resp	1854
Ion	Ratio	Lower	Upper
41	100		
39	80.4	48.4	72.6#
67	110.0	76.3	114.5
52	39.2	29.0	43.6

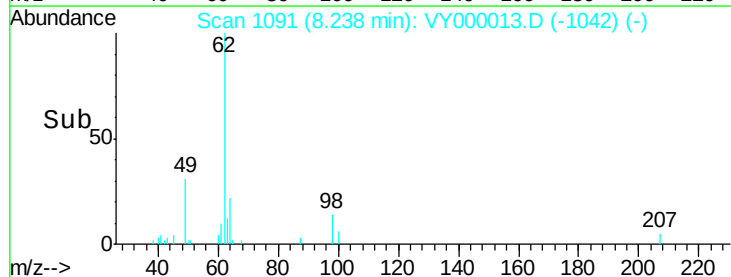
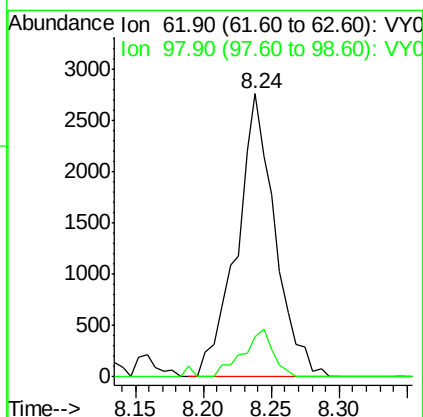
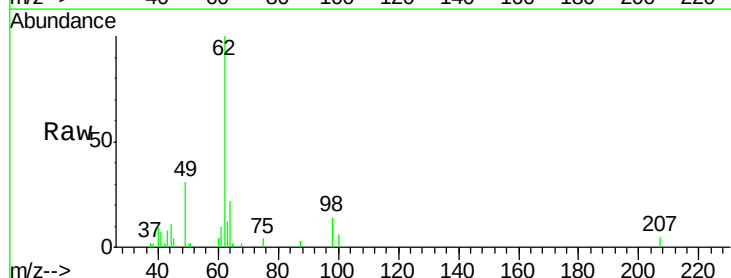
Manual Integrations
APPROVED

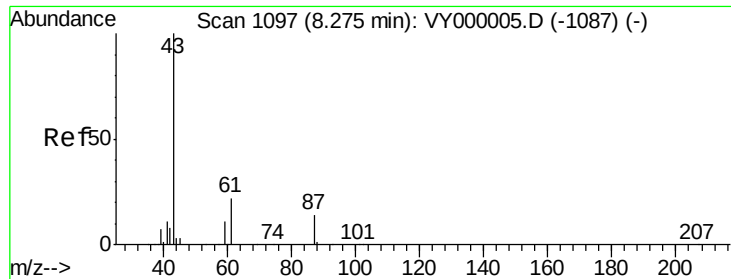
MMDadoda
9/13/2019 11:51:41 PM



#42
1,2-Dichloroethane
Concen: 3.327 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	62	Resp	5406
Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	24.2





#43

Isopropyl Acetate

Concen: 3.084 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

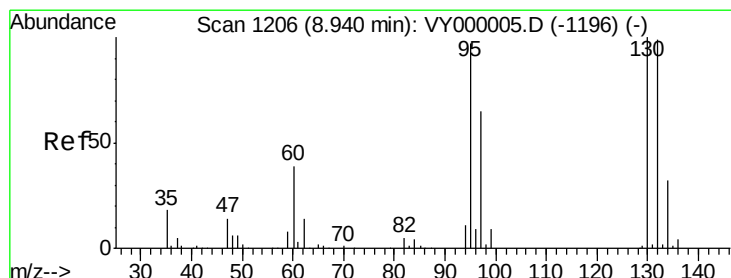
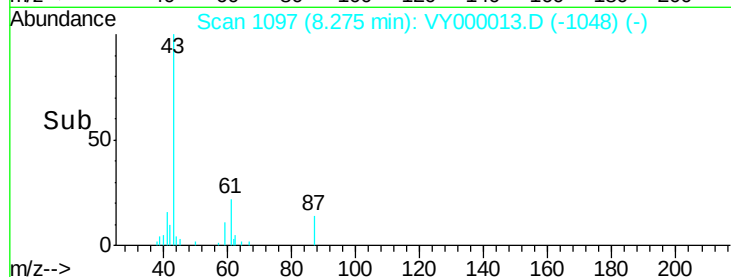
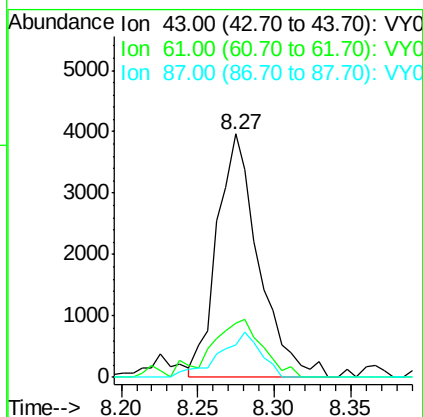
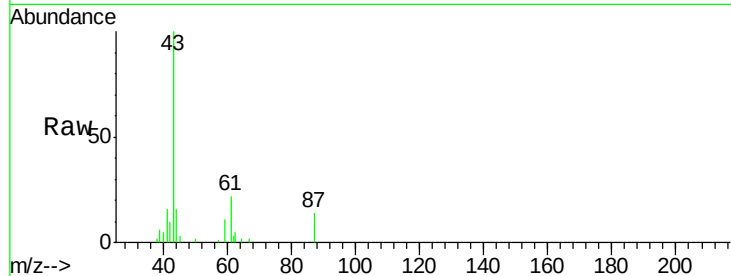
ClientSampled :

MDL 3 PPB

Tot Ion:	43	Resp:	7513
Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.2	37.8
87	18.2	12.6	18.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#44

Trichloroethene

Concen: 3.688 ug/l

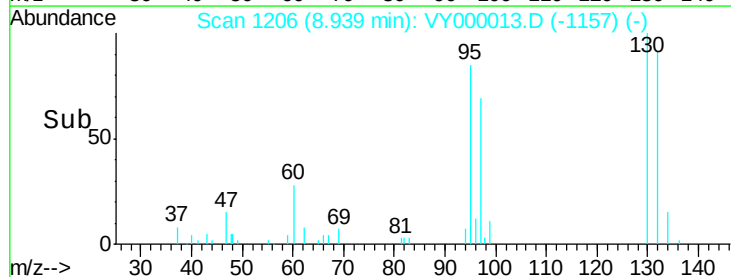
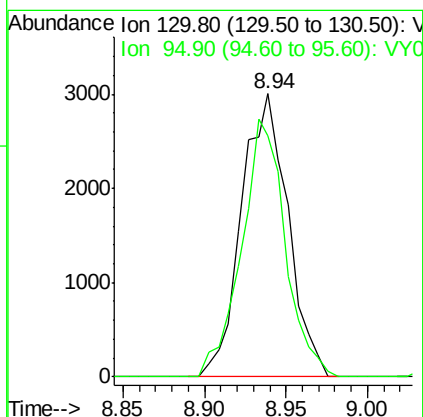
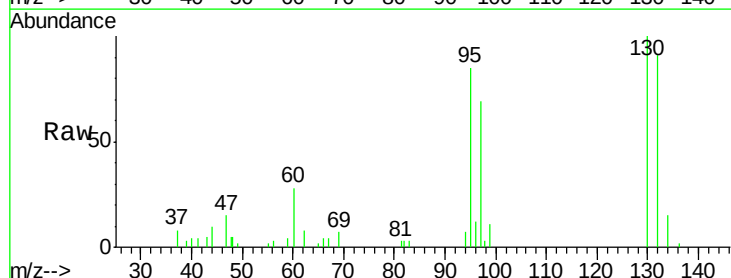
RT: 8.94 min Scan# 1206

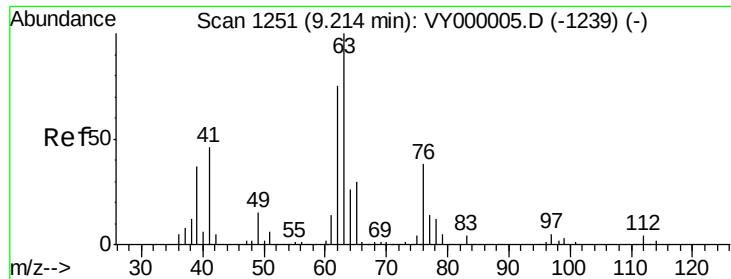
Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion:	130	Resp:	5912
Ion	Ratio	Lower	Upper
130	100		
95	85.2	0.0	194.2





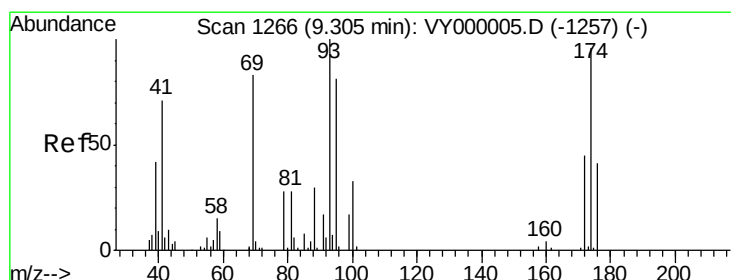
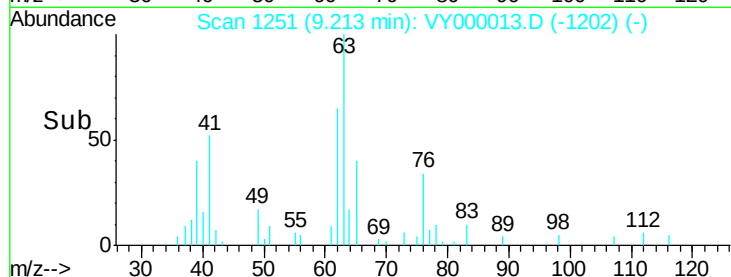
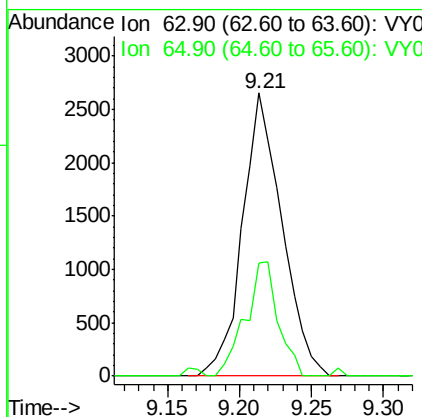
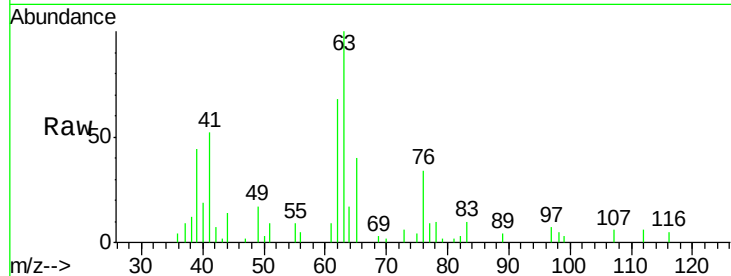
#45
 1,2-Dichloropropane
 Concen: 3.152 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion: 63 Resp: 5041
 Ion Ratio Lower Upper
 63 100
 65 37.4 24.3 36.5#

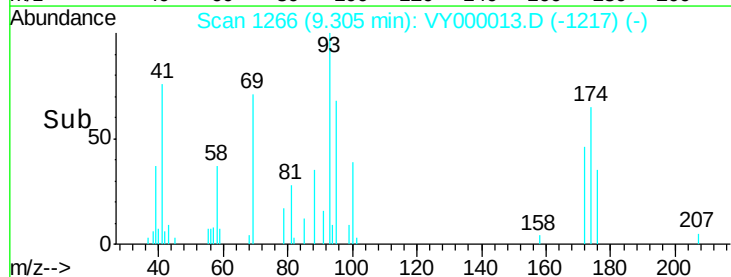
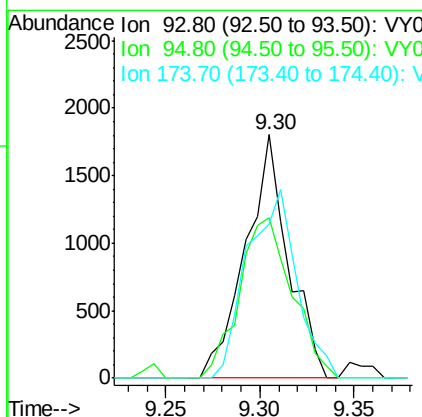
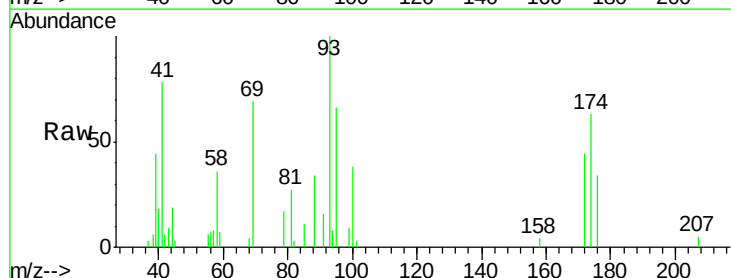
Manual Integrations
 APPROVED

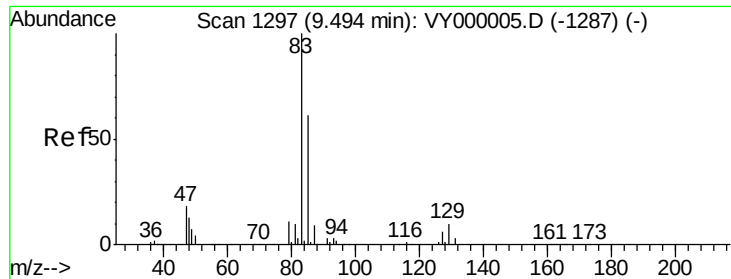
MMDadoda
 9/13/2019 11:51:41 PM



#46
 Dibromomethane
 Concen: 3.270 ug/l
 RT: 9.30 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion: 93 Resp: 2830
 Ion Ratio Lower Upper
 93 100
 95 82.0 68.1 102.1
 174 89.6 72.8 109.2





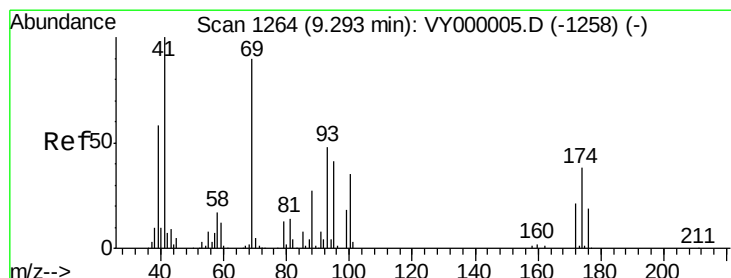
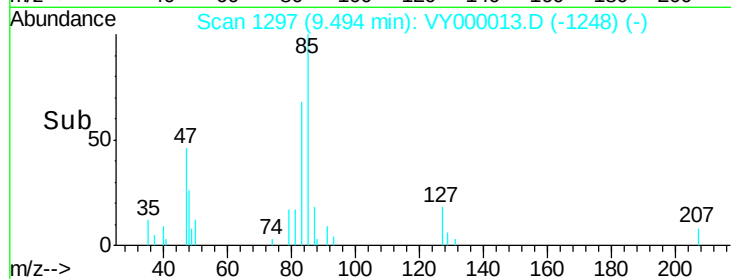
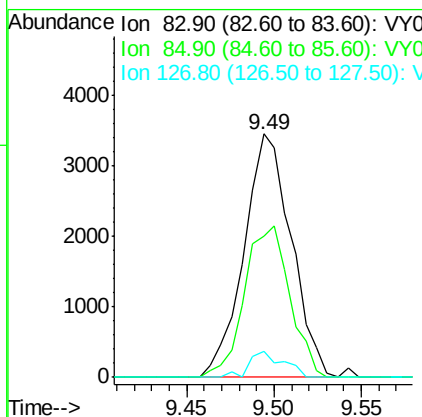
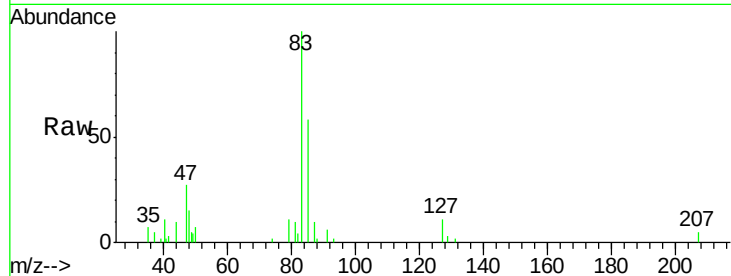
#47
Bromodichloromethane
Concen: 3.131 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	83	Resp	6491
Ion Ratio	100	Lower	Upper
83	100		
85	58.2	49.2	73.8
127	10.6	5.0	7.6

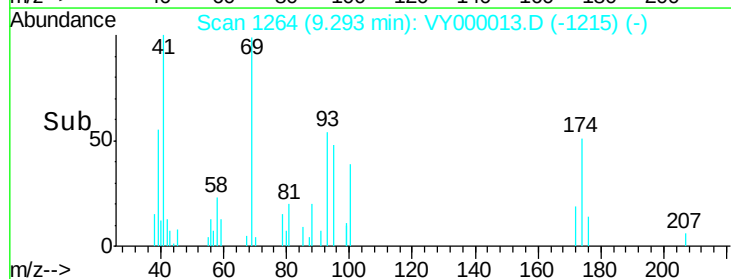
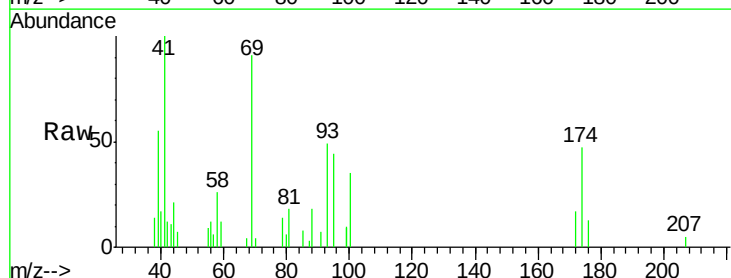
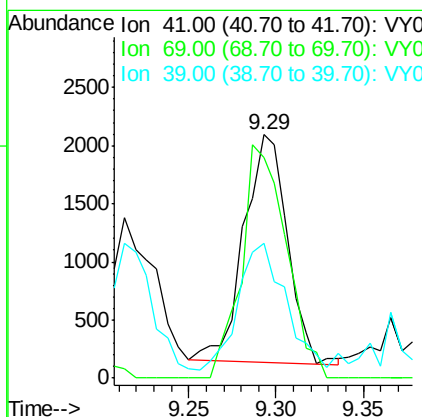
Manual Integrations
APPROVED

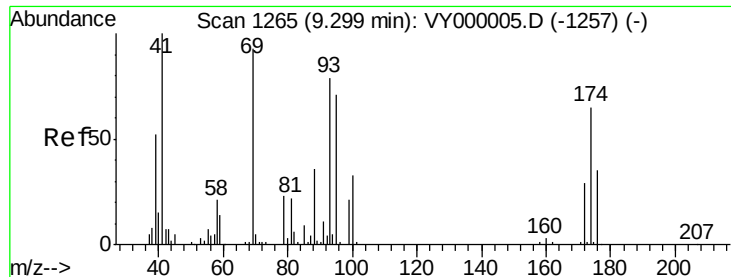
MMDadoda
9/13/2019 11:51:41 PM



#48
Methyl methacrylate
Concen: 3.161 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	41	Resp	3402
Ion Ratio	100	Lower	Upper
41	100		
69	104.9	77.4	116.2
39	68.9	47.4	71.2





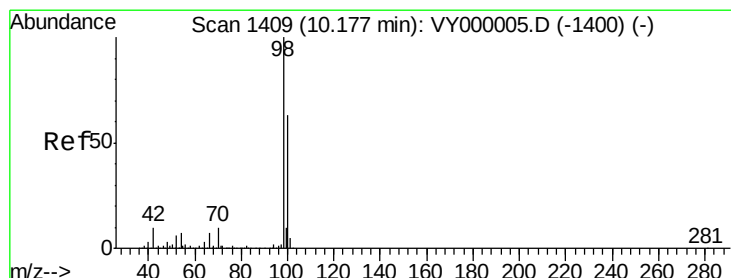
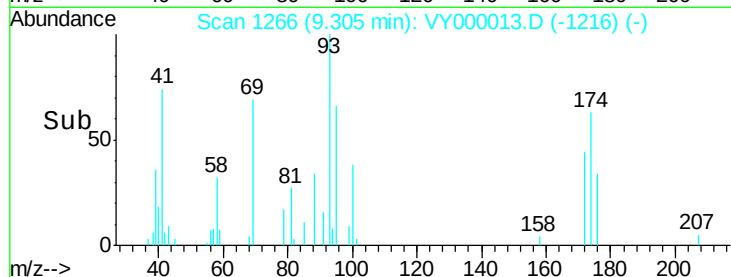
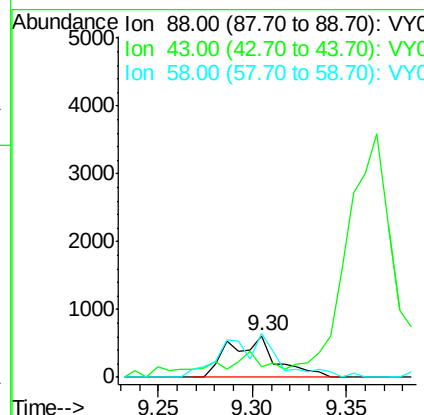
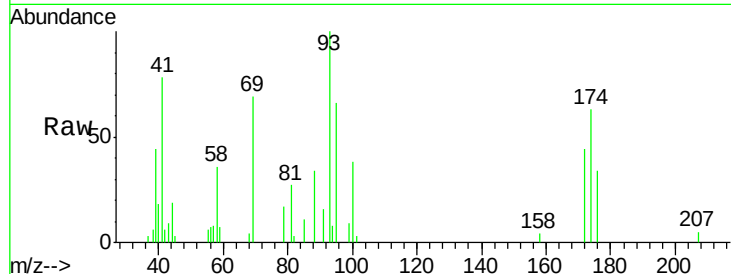
#49
1,4-Dioxane
Concen: 60.836 ug/l
RT: 9.30 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	60.9	23.4	35.2	
58	65.0	46.1	69.1	

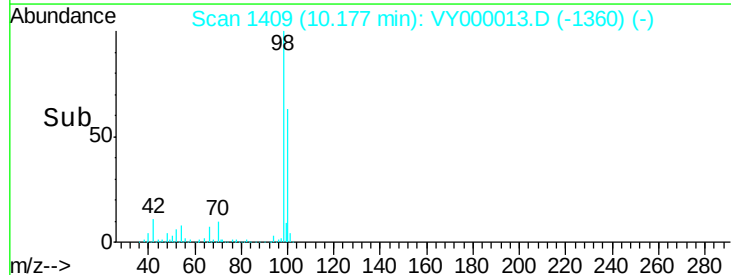
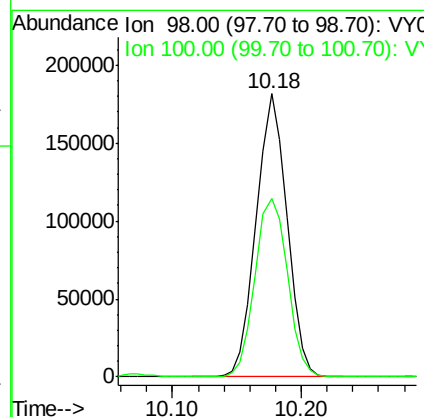
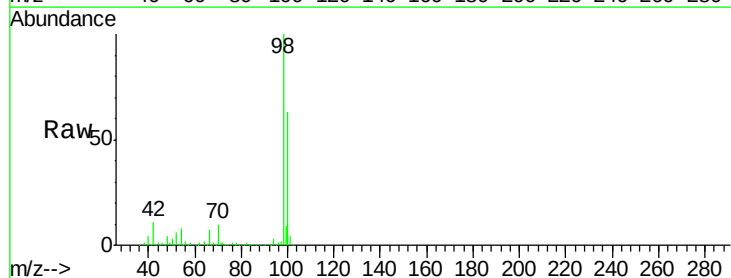
Manual Integrations
APPROVED

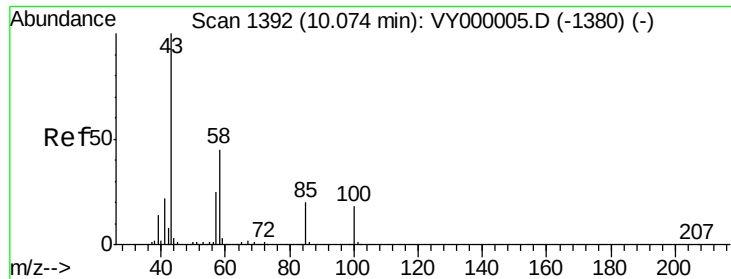
MMDadoda
9/13/2019 11:51:41 PM



#50
Toluene-d8
Concen: 49.103 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.4	52.2	78.4	





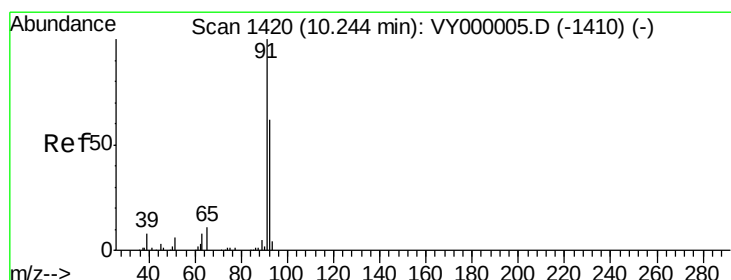
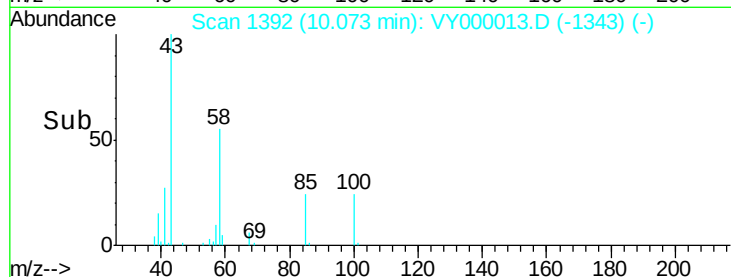
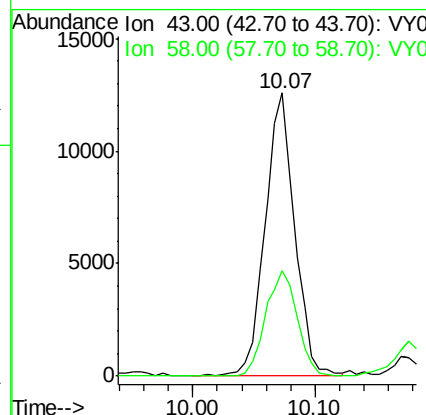
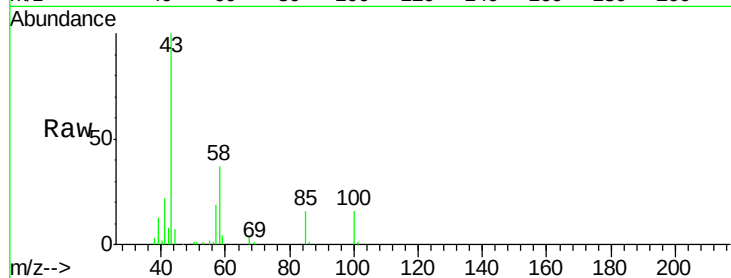
#51
4-Methyl-2-Pentanone
Concen: 15.832 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	34.1	51.1

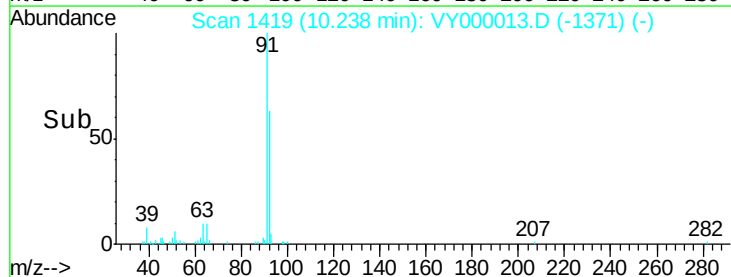
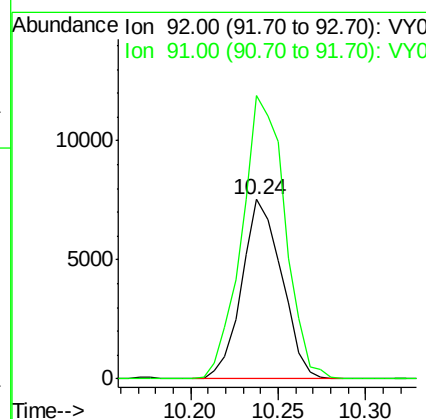
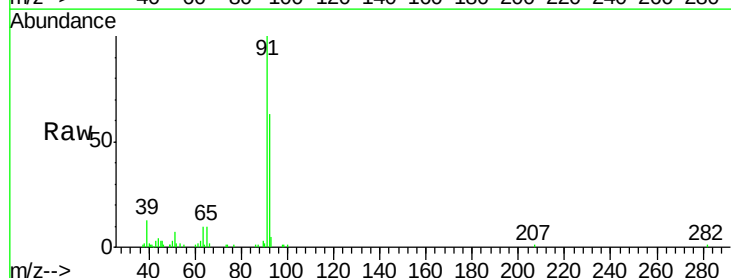
Manual Integrations
APPROVED

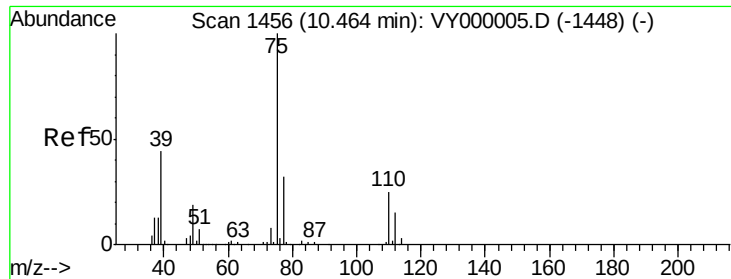
MMDadoda
9/13/2019 11:51:41 PM



#52
Toluene
Concen: 3.062 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7





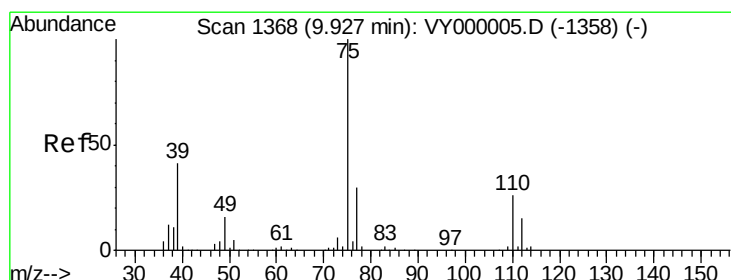
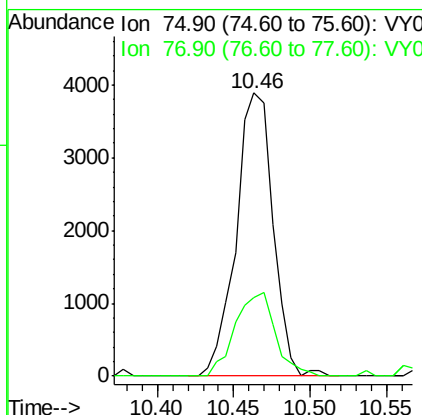
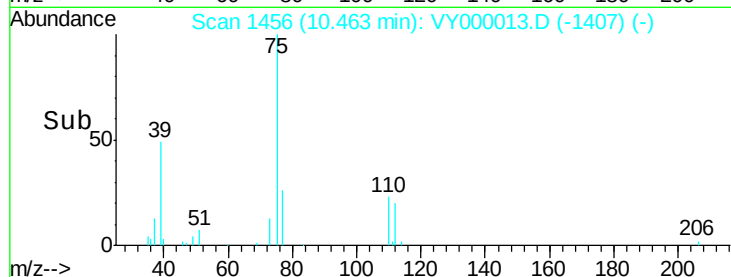
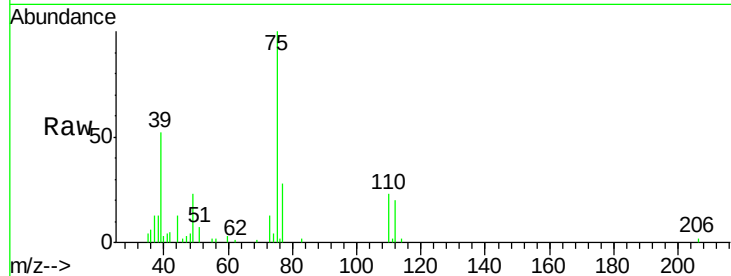
#53
t-1,3-Dichloropropene
Concen: 3.002 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 75 Resp: 6538
Ion Ratio Lower Upper
75 100
77 27.9 25.8 38.8

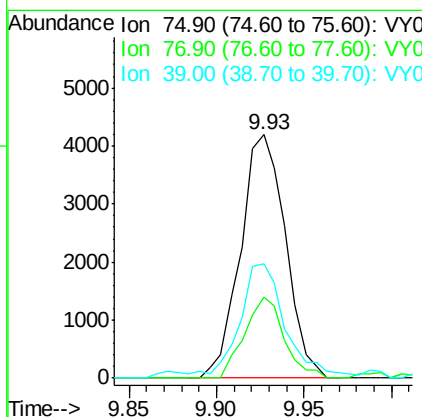
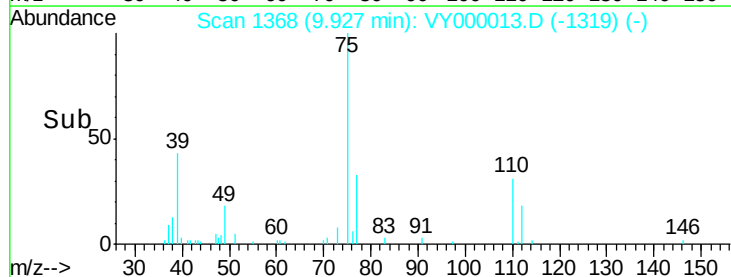
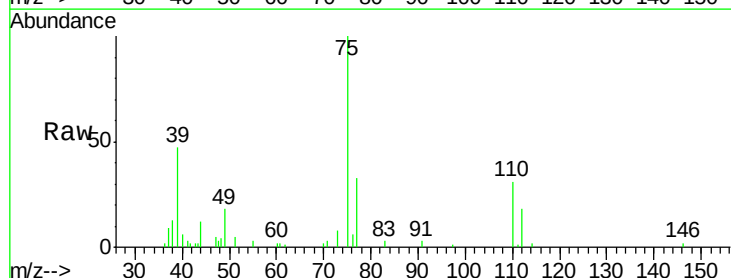
Manual Integrations
APPROVED

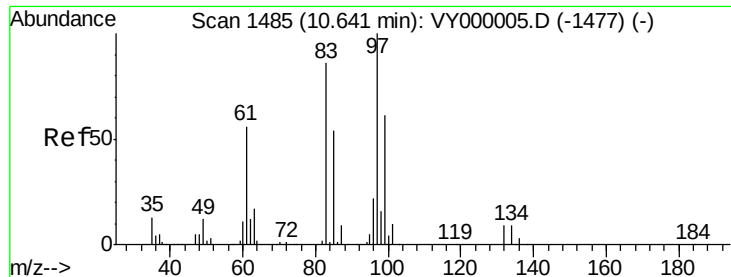
MMDadoda
9/13/2019 11:51:41 PM



#54
cis-1,3-Dichloropropene
Concen: 2.956 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion: 75 Resp: 7514
Ion Ratio Lower Upper
75 100
77 33.2 24.1 36.1
39 45.0 33.0 49.4





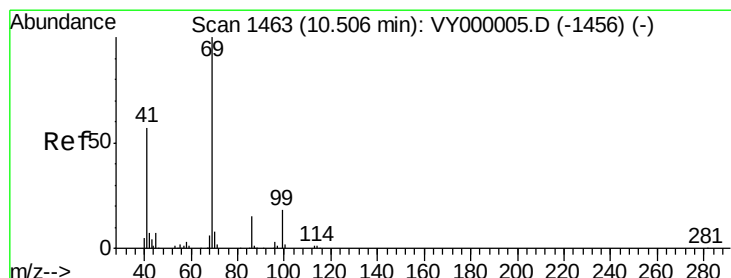
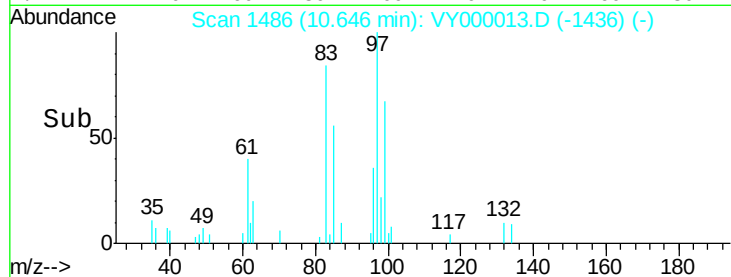
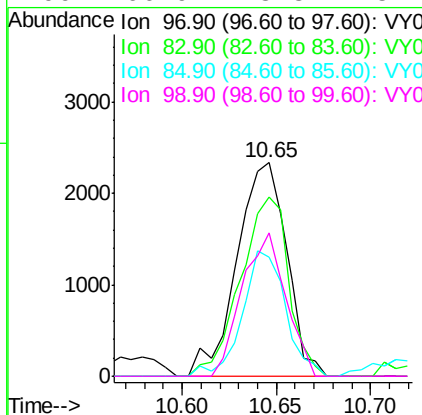
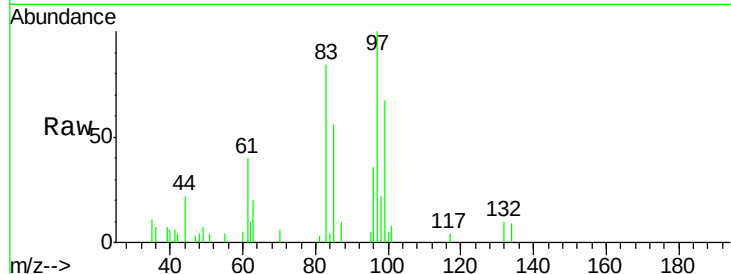
#55
1,1,2-Trichloroethane
Concen: 3.192 ug/l
RT: 10.65 min Scan# 1486
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion:	97	Resp:	4282
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.4	102.6
85	56.0	43.0	64.6
99	66.9	48.8	73.2

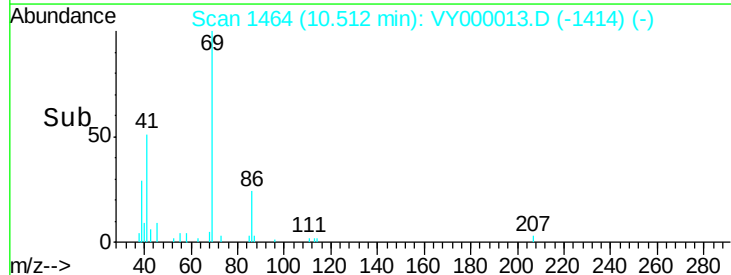
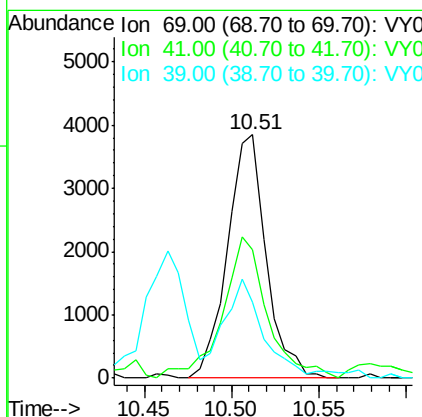
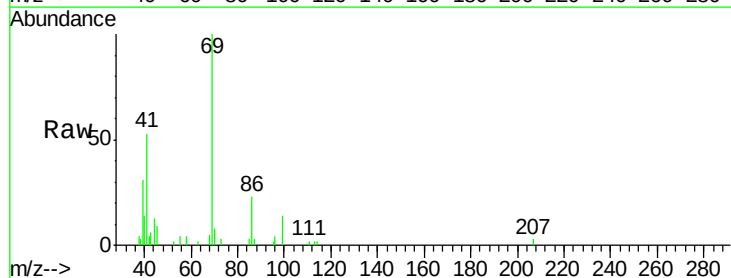
Manual Integrations
APPROVED

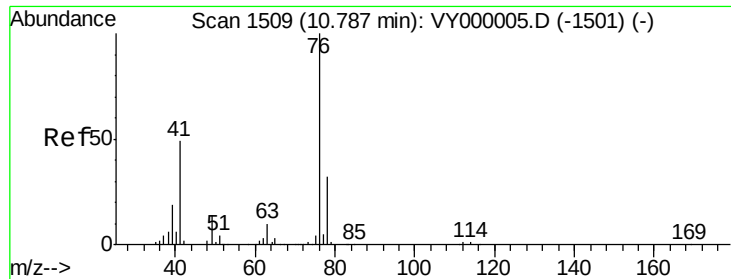
MMDadoda
9/13/2019 11:51:41 PM



#56
Ethyl methacrylate
Concen: 3.066 ug/l
RT: 10.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion:	69	Resp:	5921
Ion	Ratio	Lower	Upper
69	100		
41	67.0	46.3	69.5
39	36.7	25.8	38.6





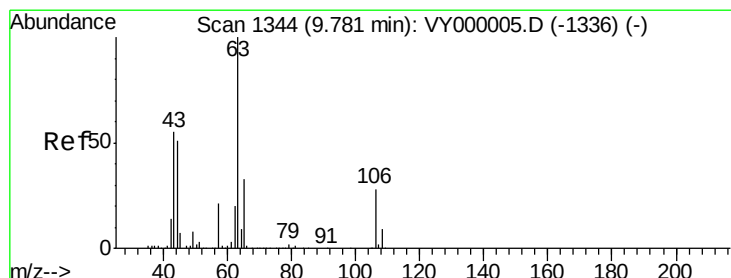
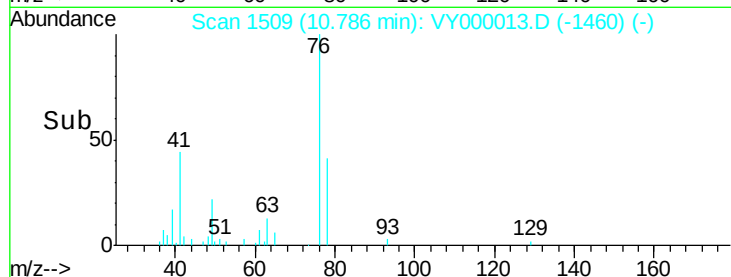
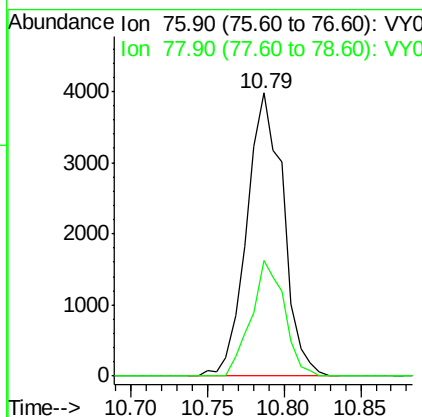
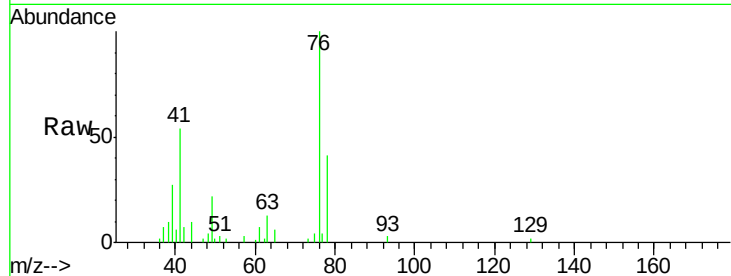
#57
 1,3-Dichloropropane
 Concen: 2.986 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
76	100		
78	37.0	26.1	39.1

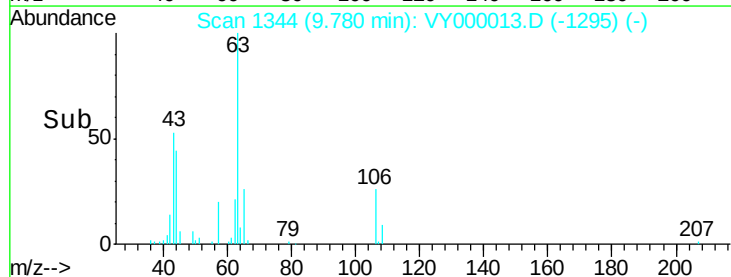
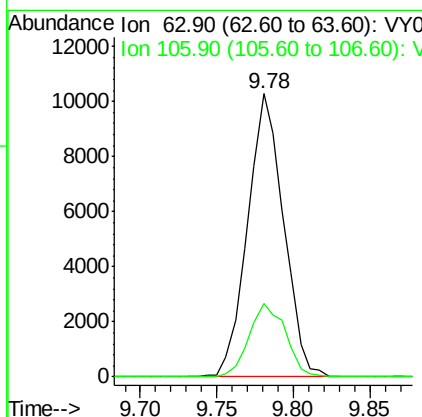
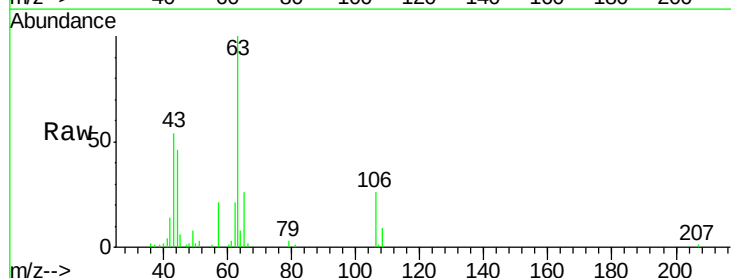
Manual Integrations
 APPROVED

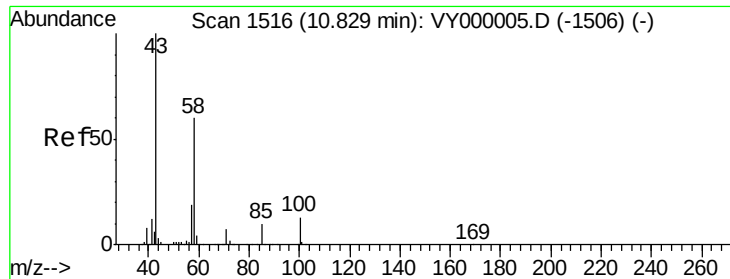
MMDadoda
 9/13/2019 11:51:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 16.852 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	23.3	34.9





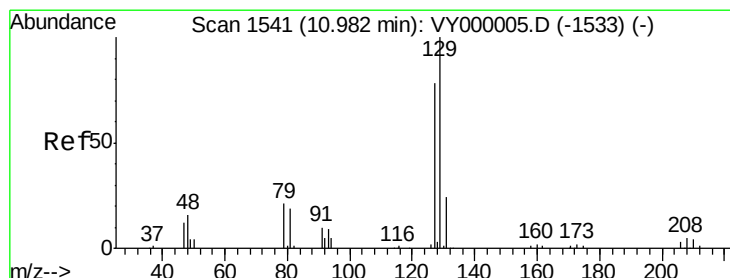
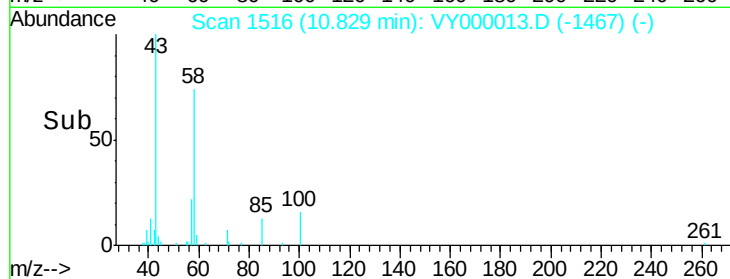
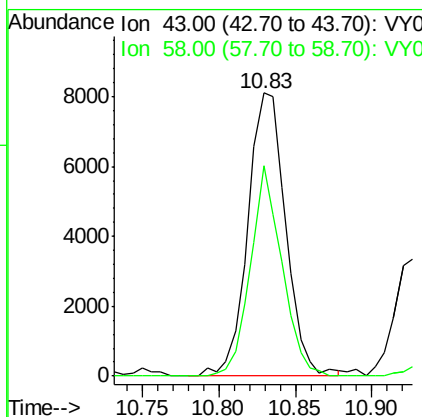
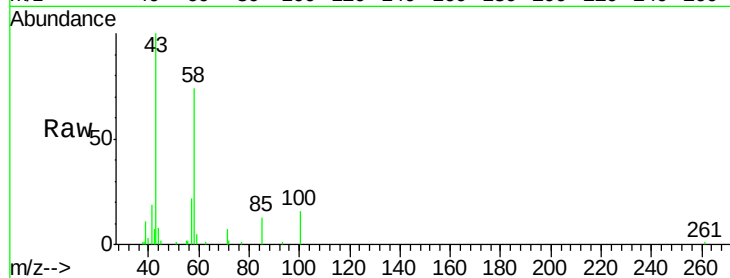
#59
2-Hexanone
Concen: 14.619 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 43 Resp: 13958
Ion Ratio Lower Upper
43 100
58 61.7 29.8 89.5

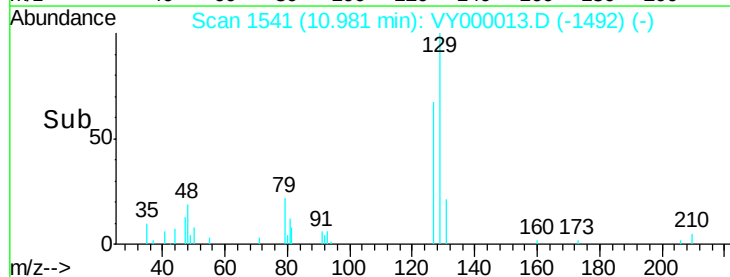
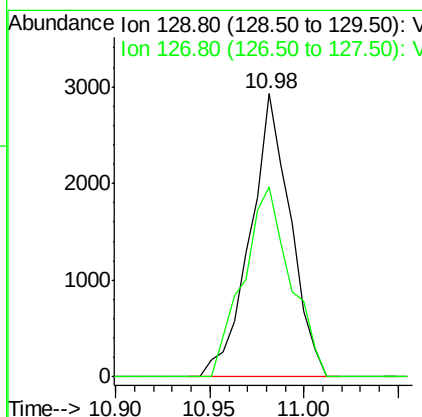
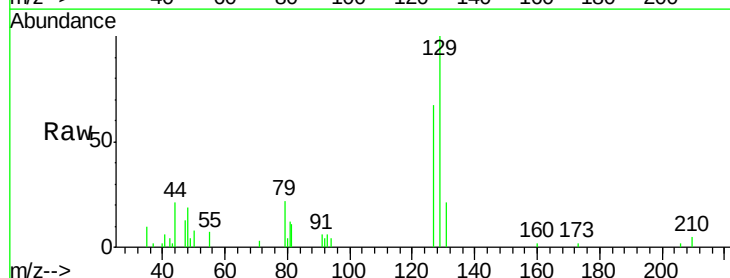
Manual Integrations
APPROVED

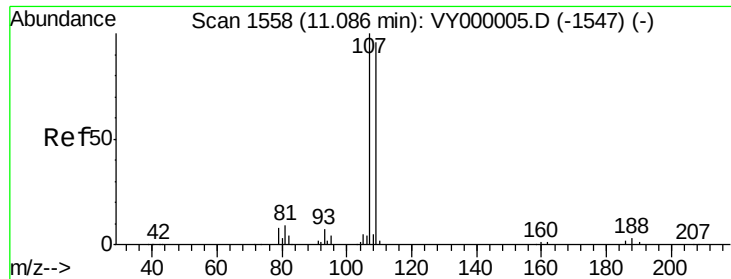
MMDadoda
9/13/2019 11:51:41 PM



#60
Dibromochloromethane
Concen: 3.027 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion: 129 Resp: 4328
Ion Ratio Lower Upper
129 100
127 78.6 39.2 117.6





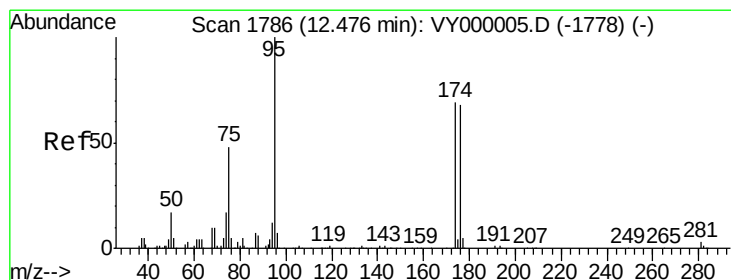
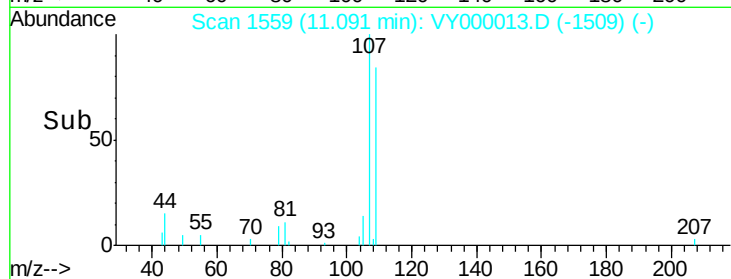
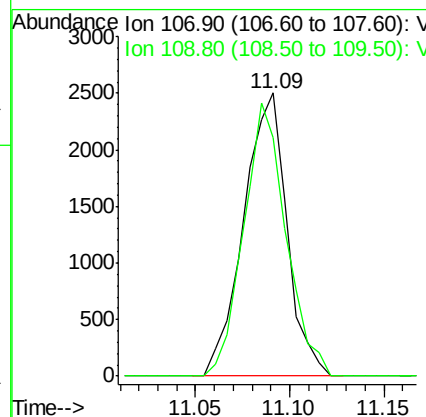
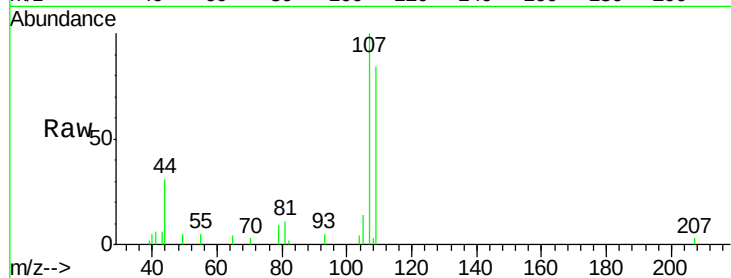
#61
 1,2-Dibromoethane
 Concen: 3.232 ug/l
 RT: 11.09 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.2	109.8

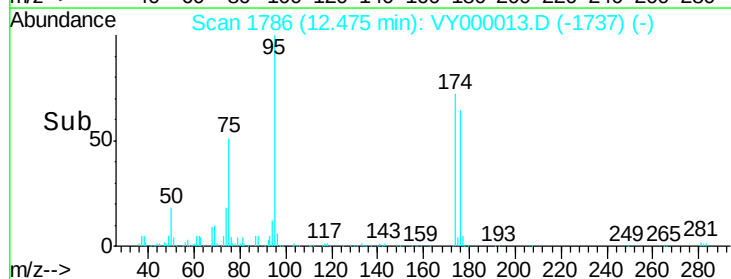
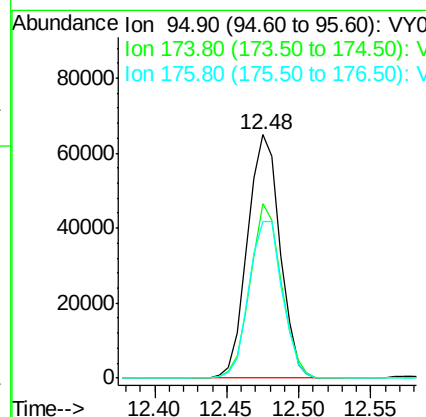
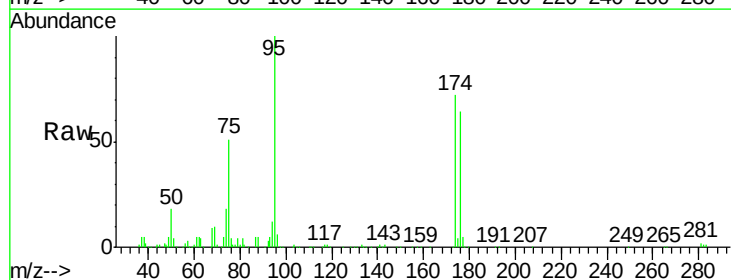
Manual Integrations
 APPROVED

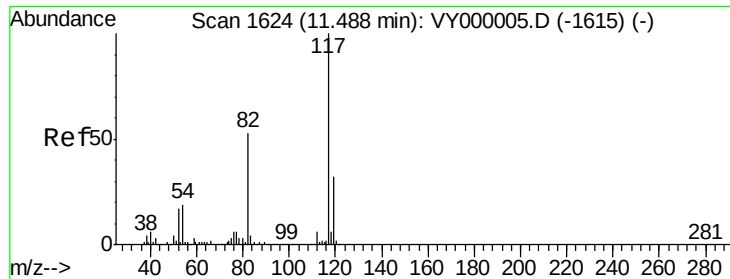
MMDadoda
 9/13/2019 11:51:41 PM



#62
 4-Bromofluorobenzene
 Concen: 46.620 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.7	0.0	145.8
176	66.0	0.0	138.0





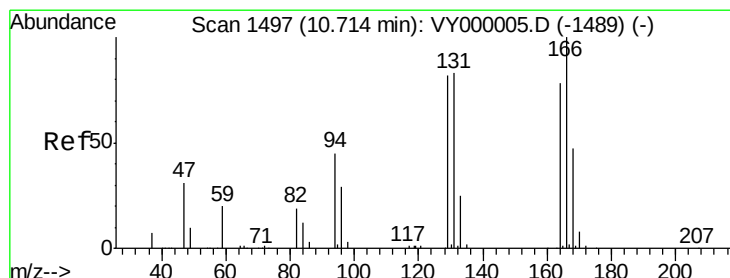
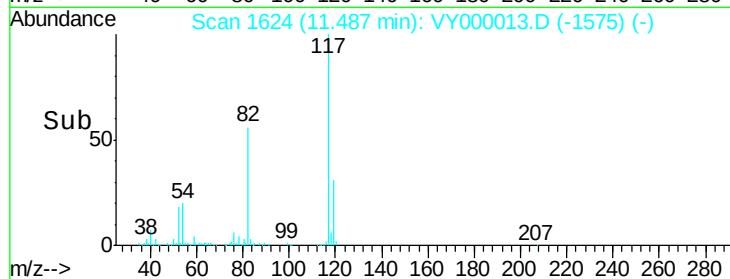
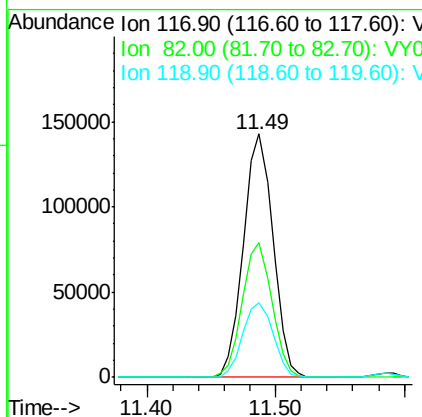
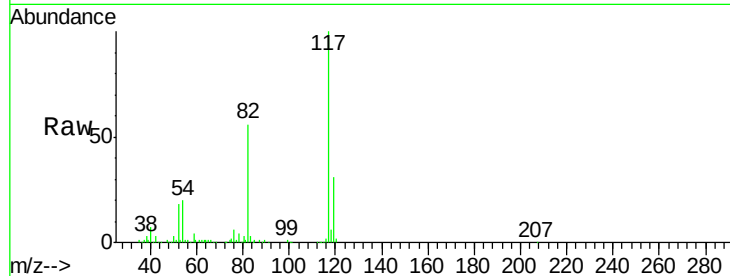
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
117	100	226456		
82	55.6	42.3	63.5	
119	30.6	25.8	38.8	

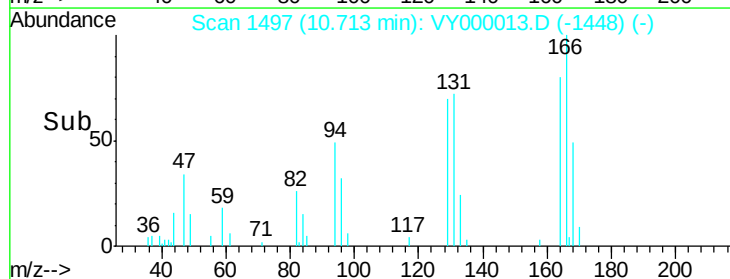
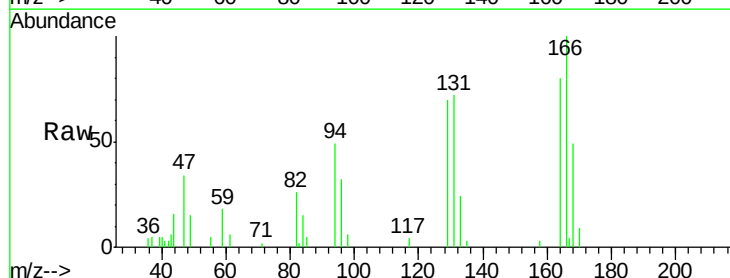
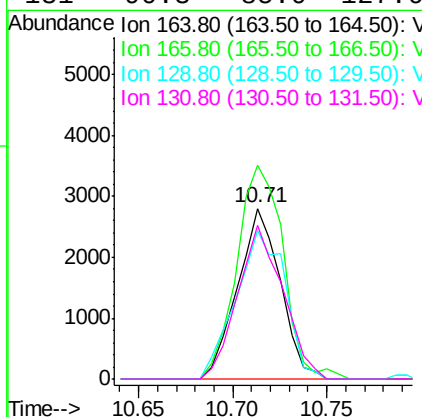
Manual Integrations
APPROVED

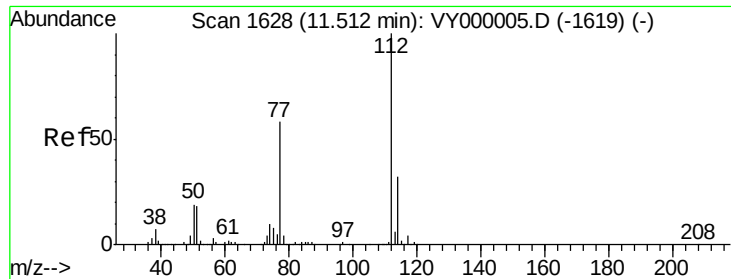
MMDadoda
9/13/2019 11:51:41 PM



#64
Tetrachloroethene
Concen: 3.177 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4398		
166	125.0	102.5	153.7	
129	87.1	83.8	125.8	
131	90.3	85.0	127.6	





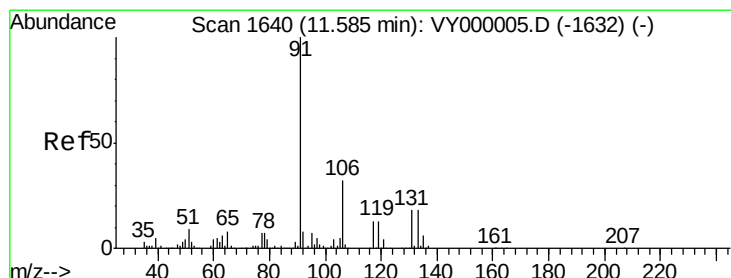
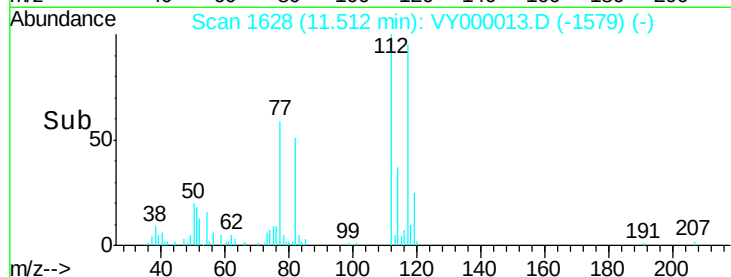
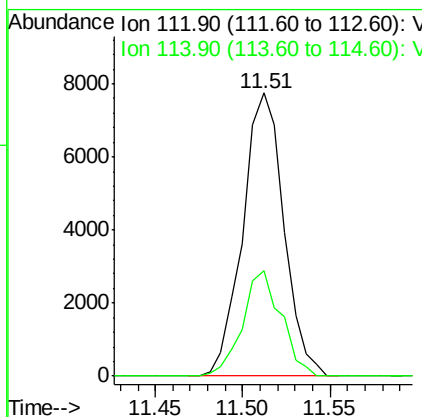
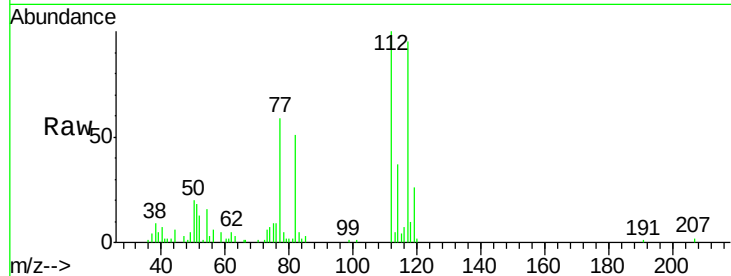
#65
Chlorobenzene
Concen: 3.026 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion:112 Resp: 12666
Ion Ratio Lower Upper
112 100
114 37.4 25.4 38.2

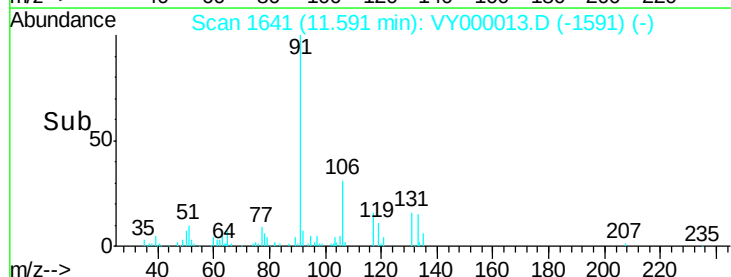
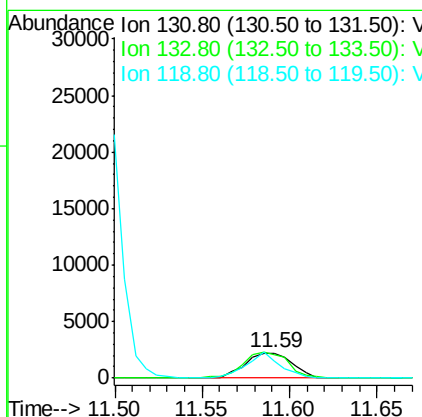
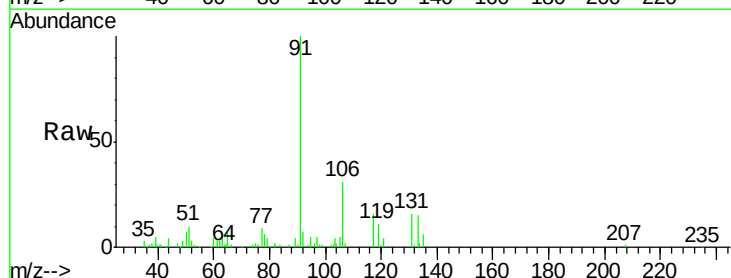
Manual Integrations
APPROVED

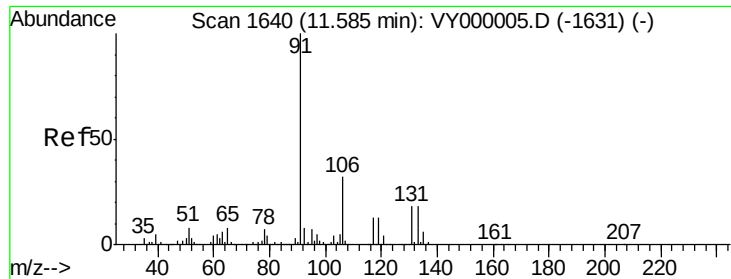
MMDadoda
9/13/2019 11:51:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.965 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion:131 Resp: 4199
Ion Ratio Lower Upper
131 100
133 99.3 48.7 146.1
119 74.3 35.8 107.3





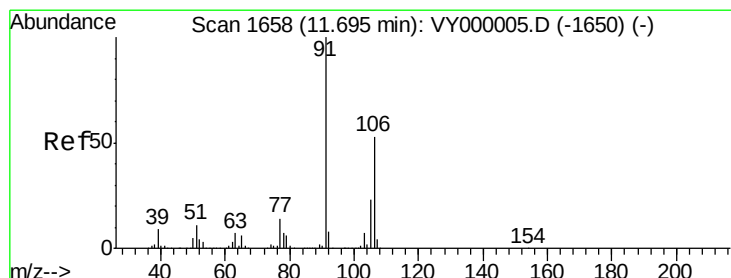
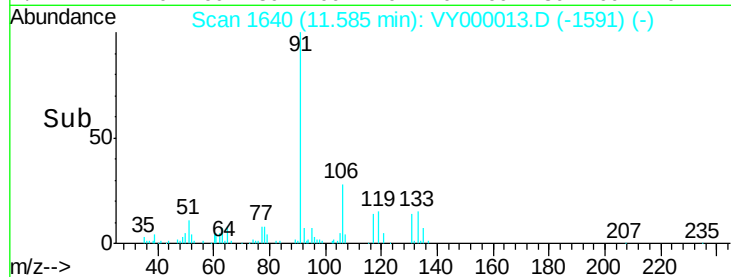
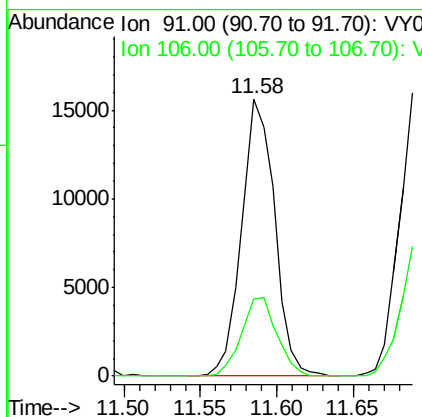
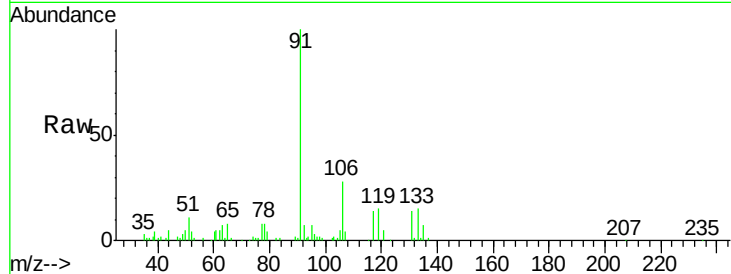
#67
Ethyl Benzene
Concen: 3.071 ug/l
RT: 11.58 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 91 Resp: 23490
Ion Ratio Lower Upper
91 100
106 27.9 25.4 38.2

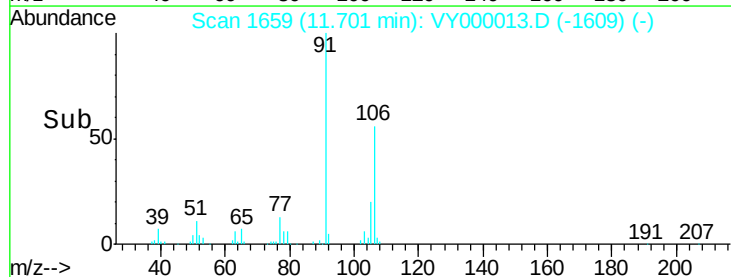
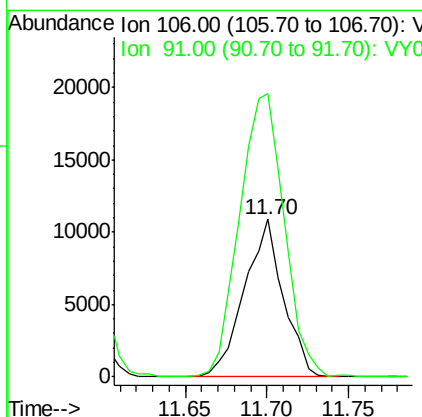
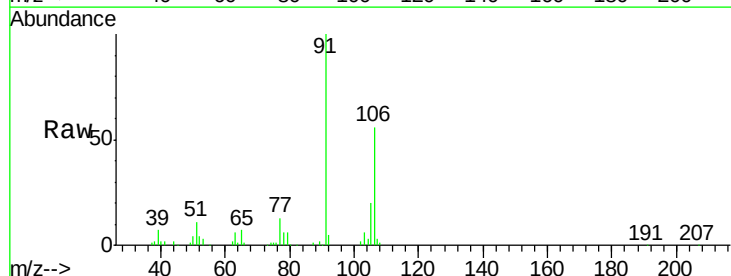
Manual Integrations
APPROVED

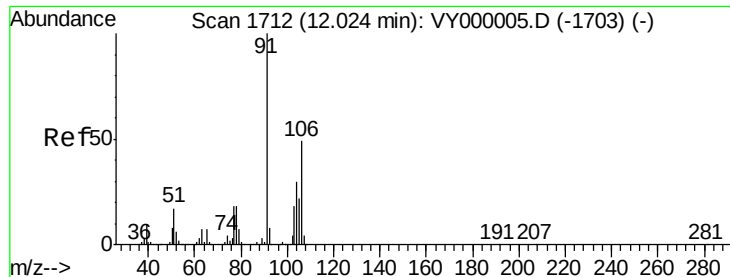
MMDadoda
9/13/2019 11:51:41 PM



#68
m/p-Xylenes
Concen: 6.192 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion: 106 Resp: 17988
Ion Ratio Lower Upper
106 100
91 207.6 157.1 235.7





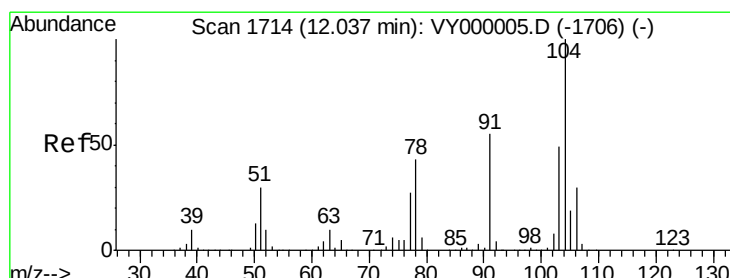
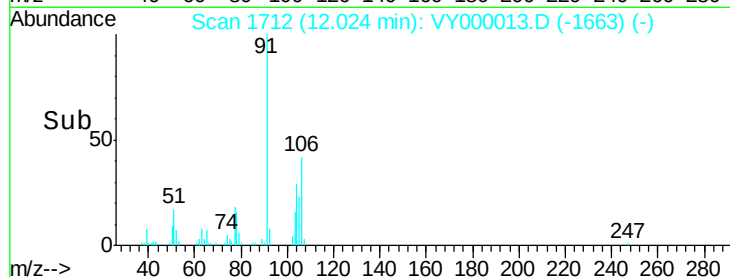
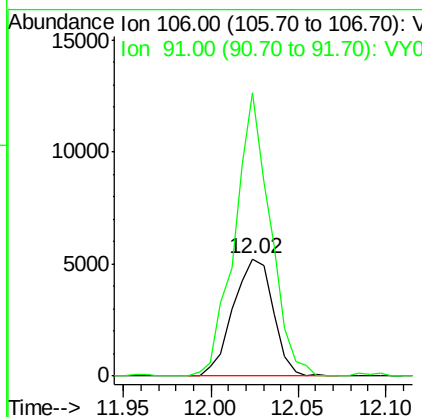
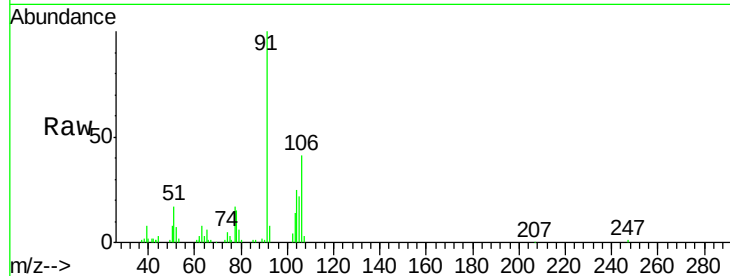
#69
o-Xylene
Concen: 2.989 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ion	Ratio	Resp	Lower	Upper
8351	106	100			
	91	213.1	100.6	301.8	

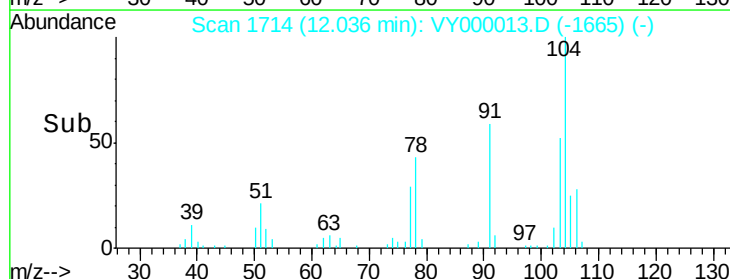
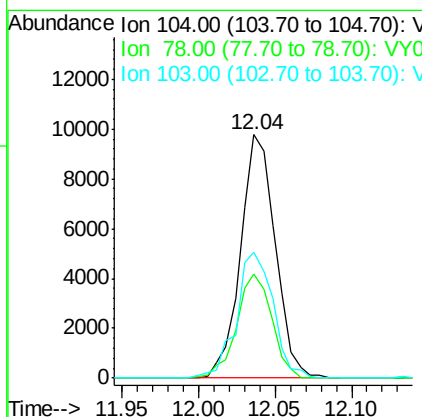
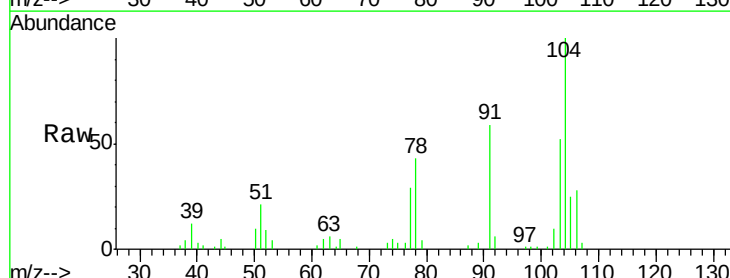
Manual Integrations
APPROVED

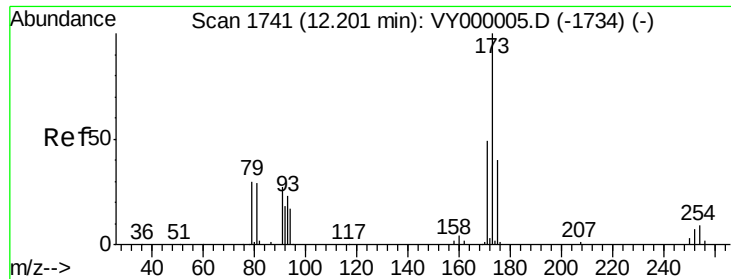
MMDadoda
9/13/2019 11:51:41 PM



#70
Styrene
Concen: 3.163 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
15385	104	100			
	78	43.3	37.6	56.4	
	103	54.8	42.6	63.8	





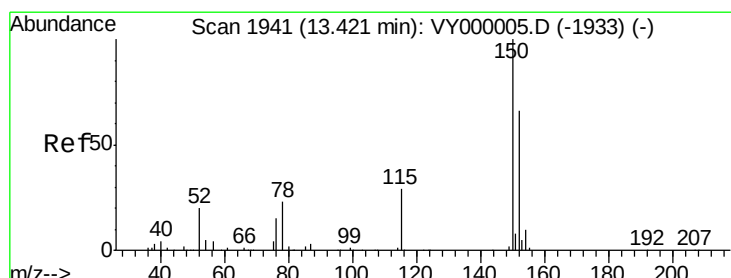
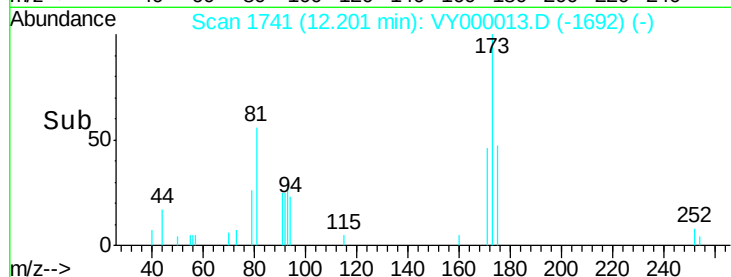
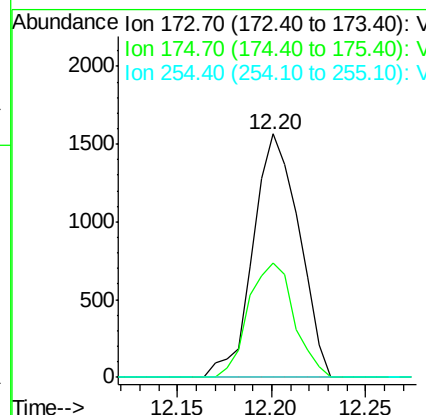
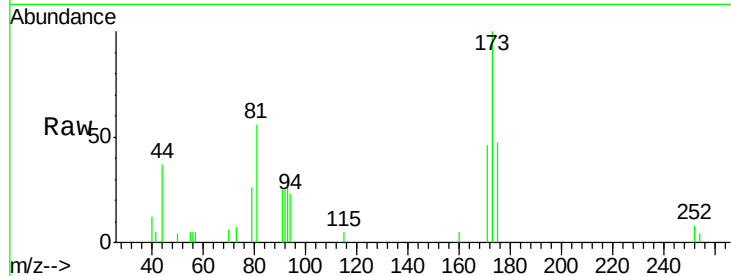
#71
Bromoform
Concen: 3.083 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0

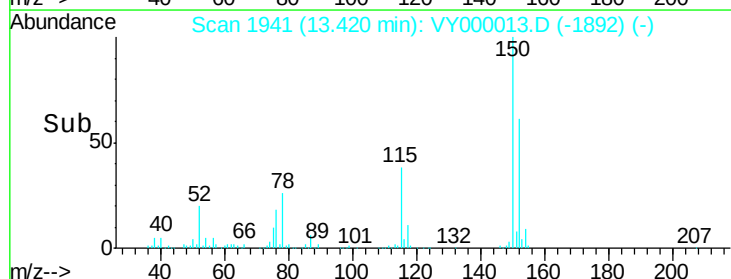
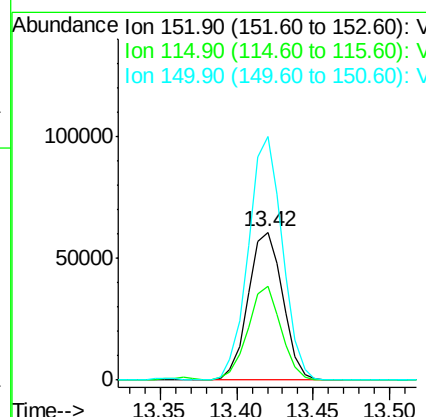
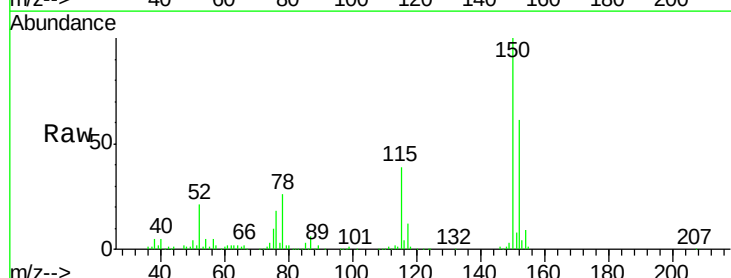
Manual Integrations
APPROVED

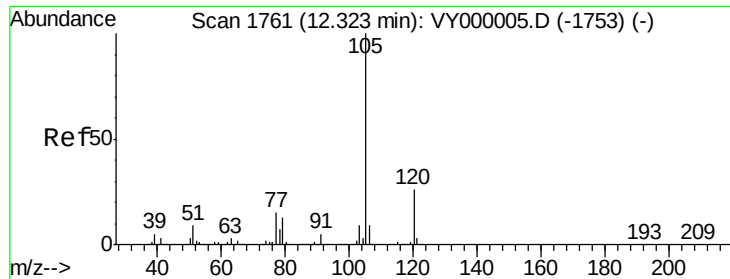
MMDadoda
9/13/2019 11:51:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.3	91.0
150	162.0	0.0	347.4





#73

Isopropylbenzene

Concen: 3.238 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:105 Resp: 23355

Ion Ratio Lower Upper

105 100

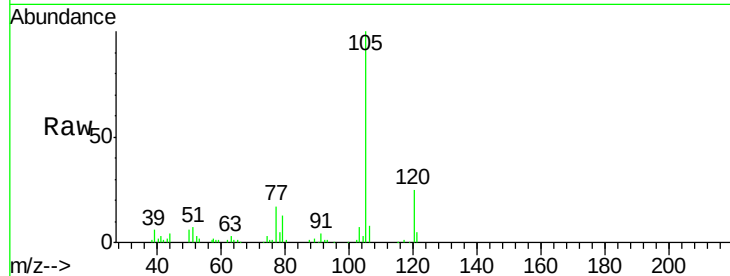
120 25.7 13.5 40.4

Manual Integrations

APPROVED

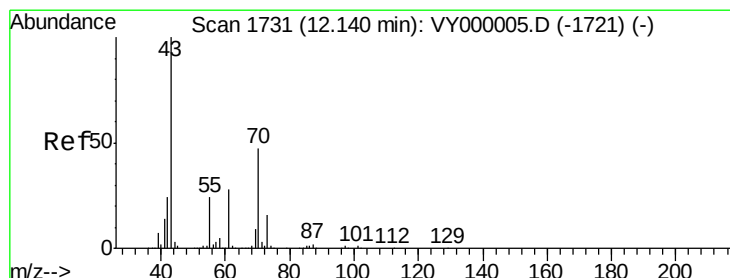
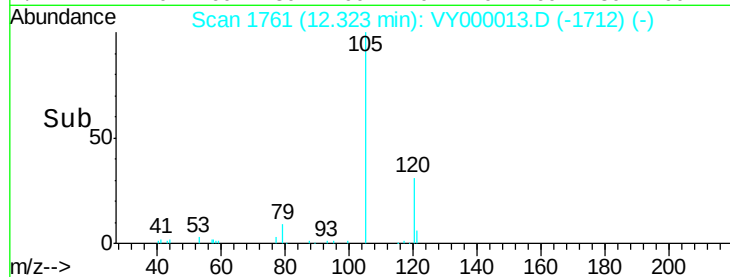
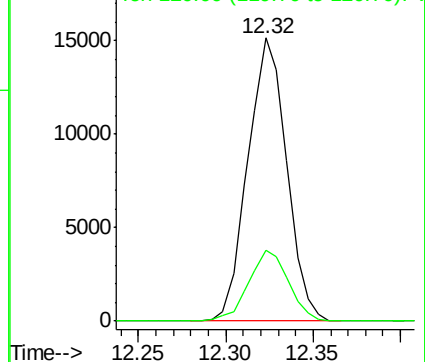
MMDadoda

9/13/2019 11:51:41 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.926 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion: 43 Resp: 5858

Ion Ratio Lower Upper

43 100

70 41.4 38.1 57.1

55 29.8 19.9 29.9

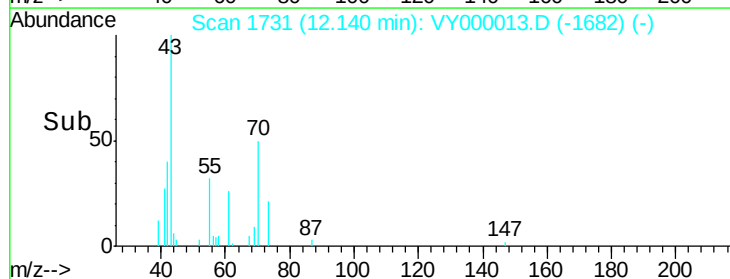
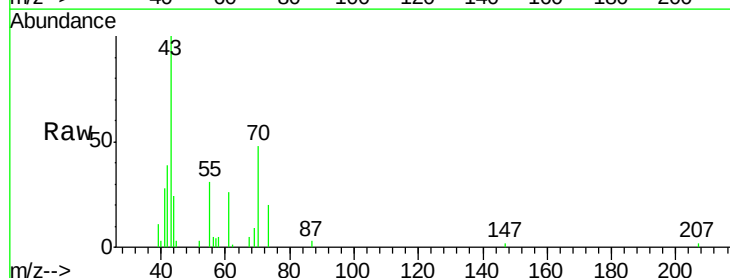
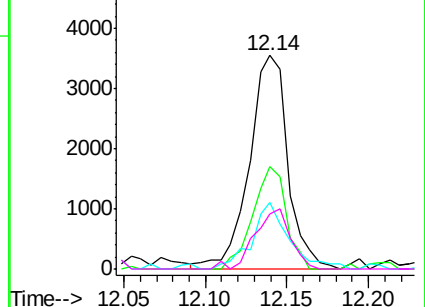
61 25.9 22.0 33.0

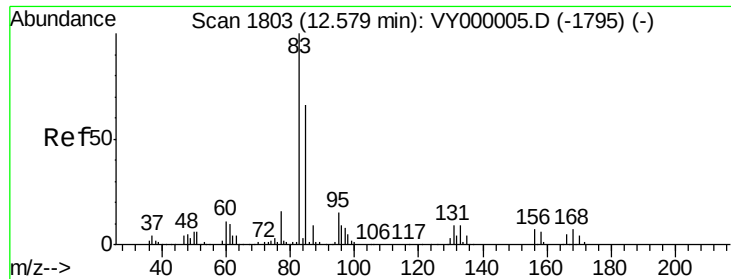
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 3.394 ug/l

RT: 12.57 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

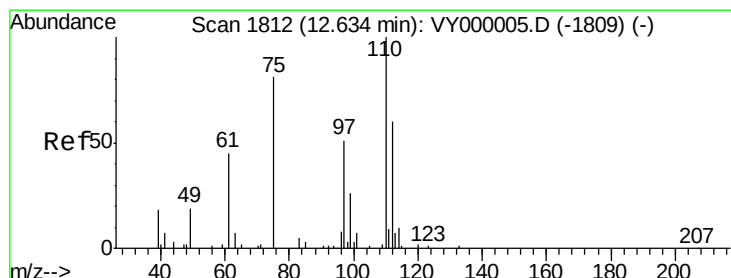
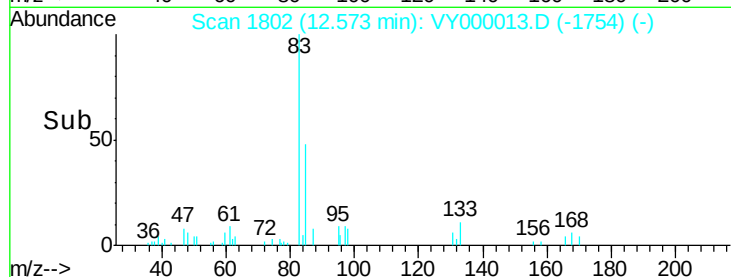
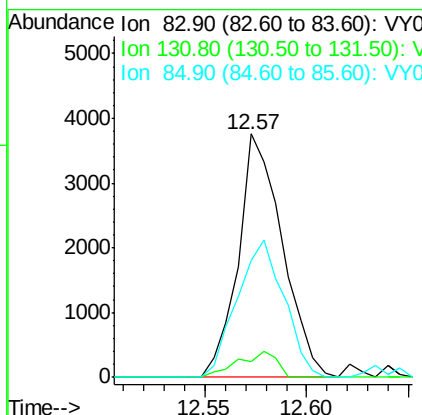
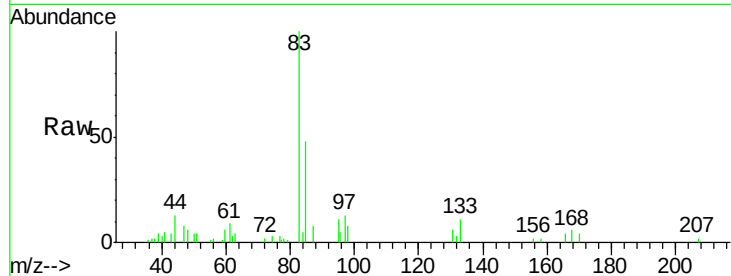
ClientSampleId :

MDL 3 PPB

Tot Ion:	83	Resp:	5640
Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	60.1	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#76

1,2,3-Trichloropropane

Concen: 3.220 ug/l m

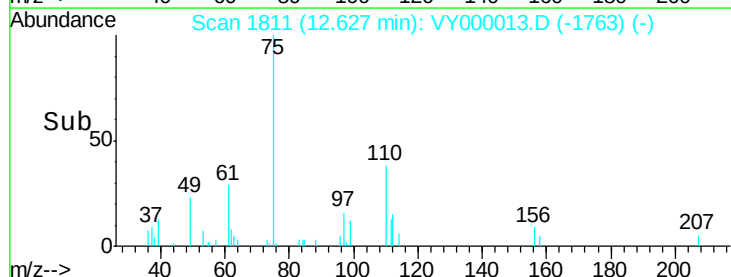
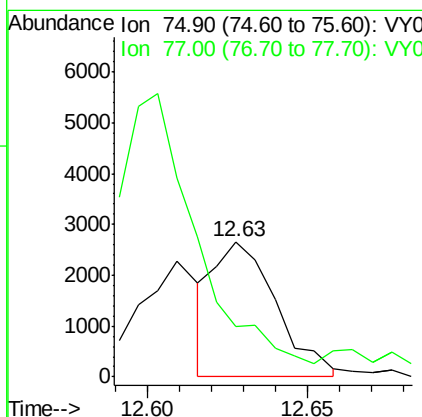
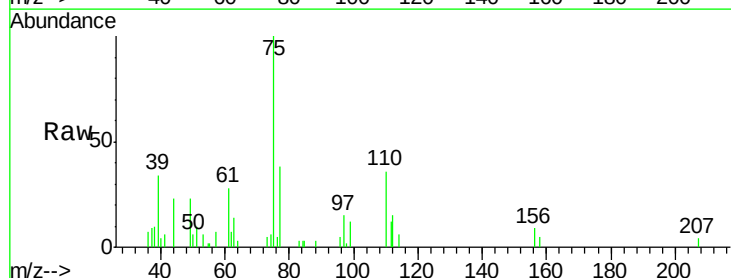
RT: 12.63 min Scan# 1811

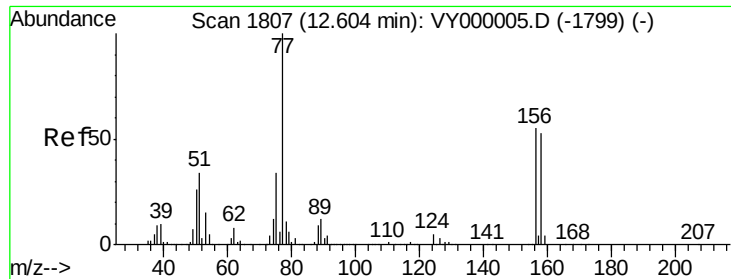
Delta R.T. -0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion:	75	Resp:	3625
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 3.402 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

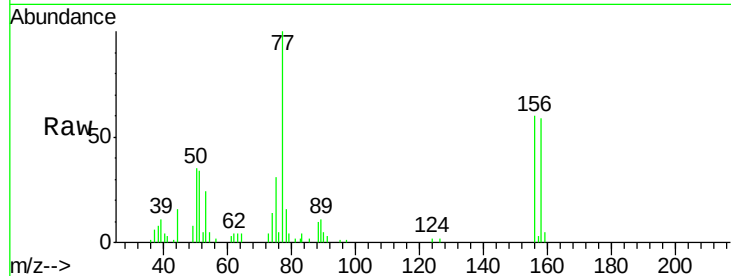
ClientSampleId :

MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.9	106.5	319.6
158	94.8	48.2	144.6

Manual Integrations
APPROVED

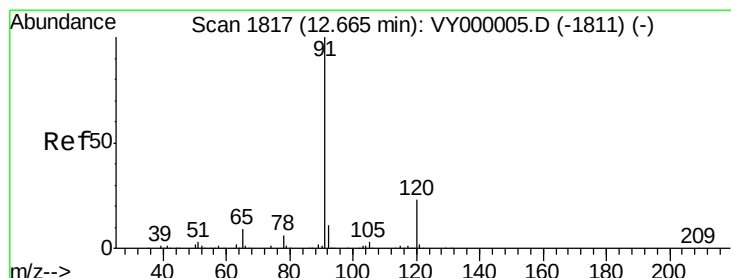
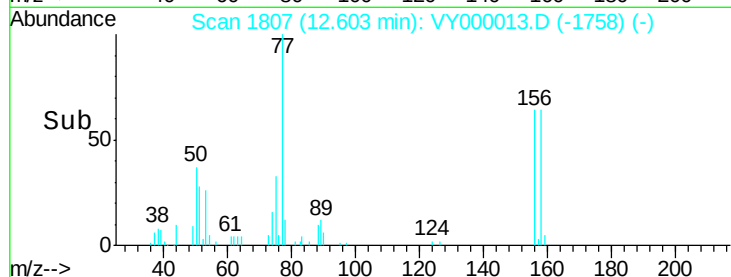
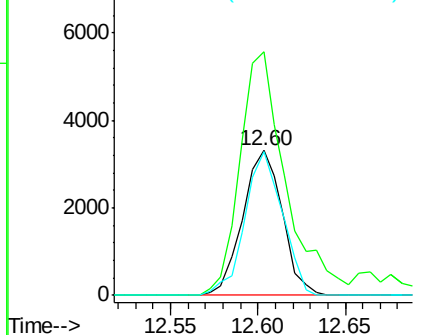
MMDadoda
9/13/2019 11:51:41 PM



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: 3.055 ug/l

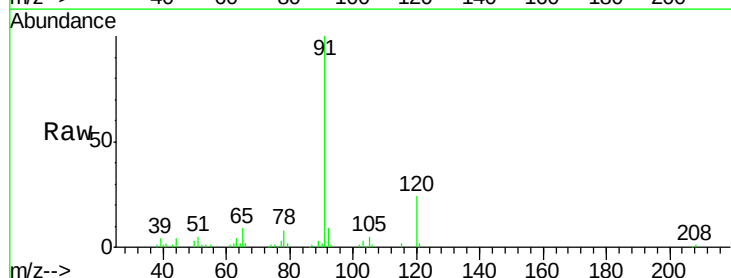
RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000013.D

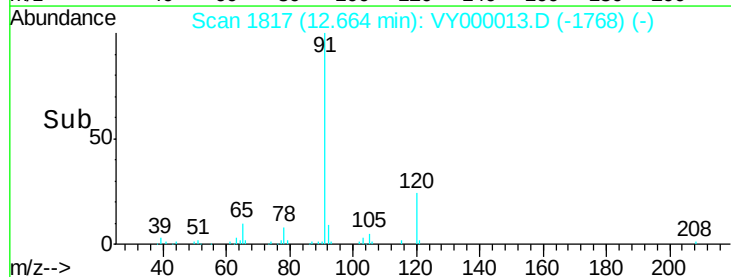
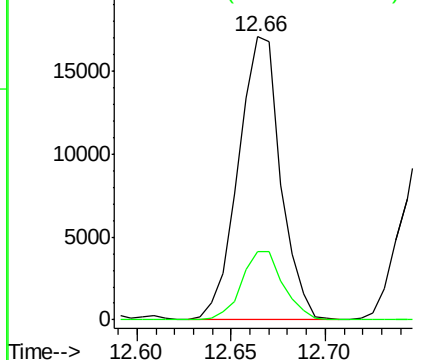
Acq: 11 Sep 2019 21:06

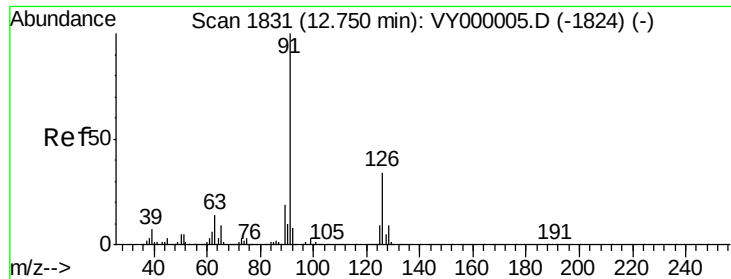
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





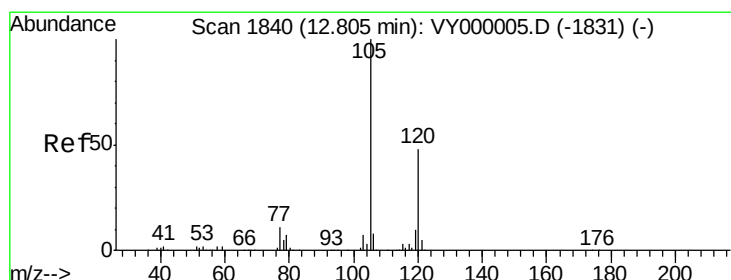
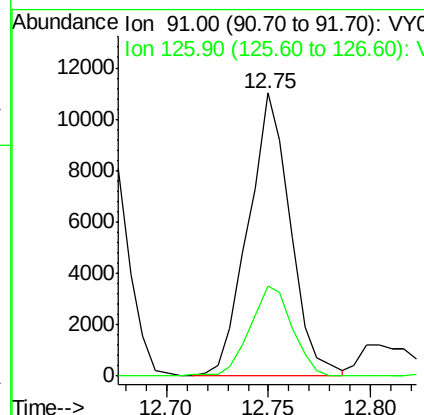
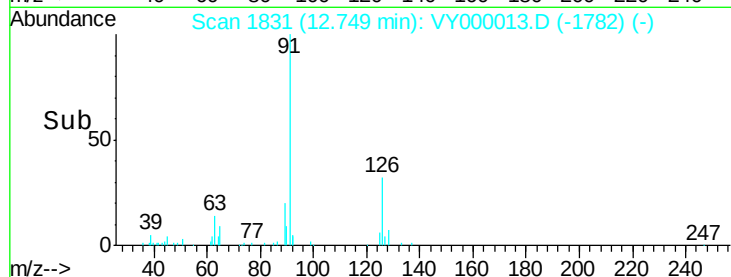
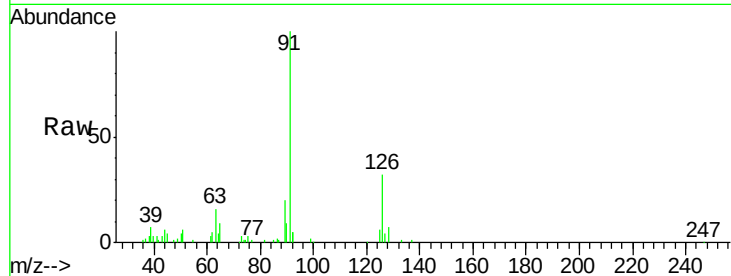
#79
 2-Chlorotoluene
 Concen: 3.278 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion: 91 Resp: 15875
 Ion Ratio Lower Upper
 91 100
 126 31.7 17.2 51.6

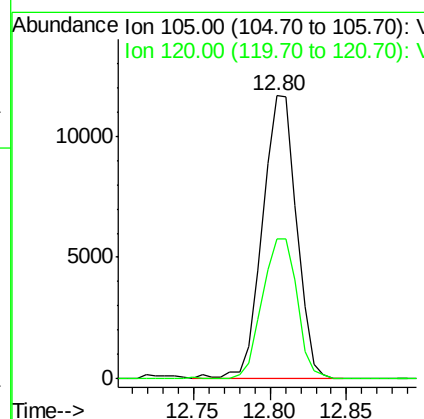
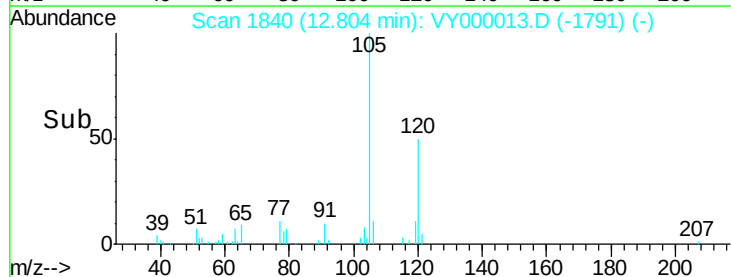
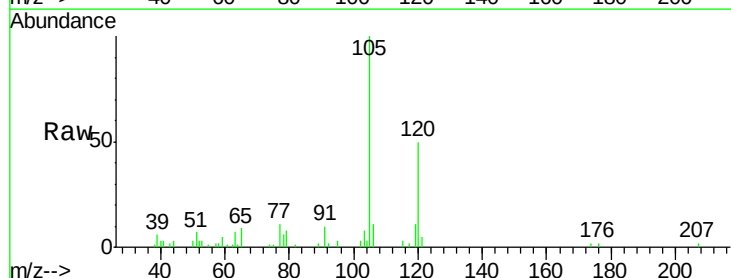
Manual Integrations
 APPROVED

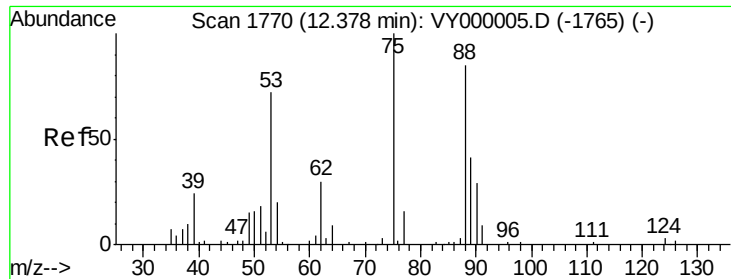
MMDadoda
 9/13/2019 11:51:41 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 3.048 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion: 105 Resp: 18177
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 2.952 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

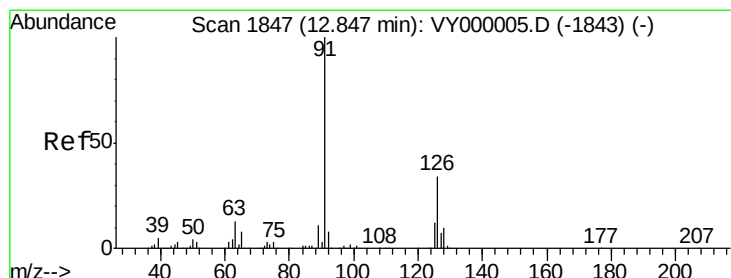
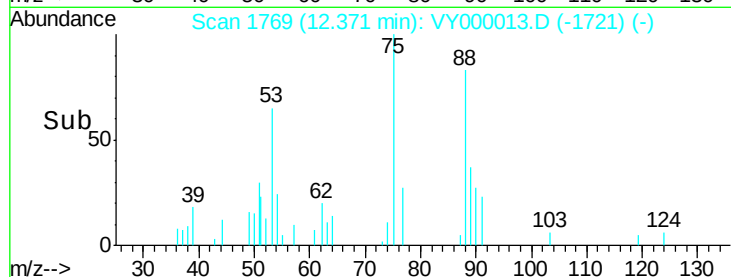
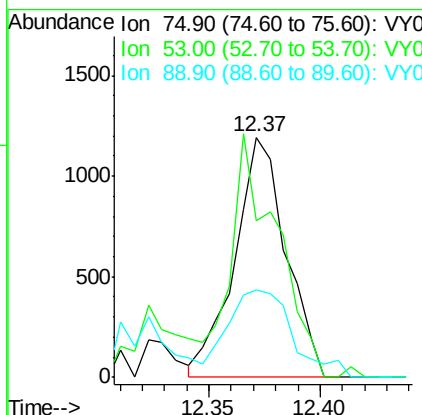
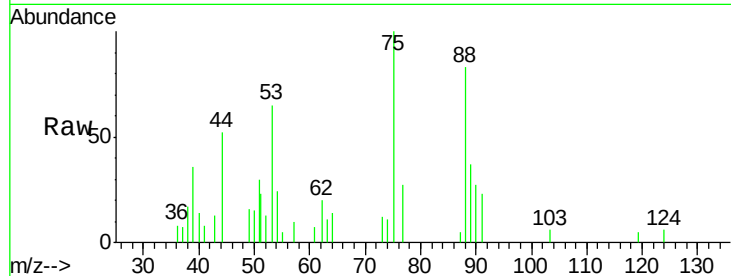
ClientSampleId :

MDL 3 PPB

Tot Ion:	75	Resp:	1920
Ion	Ratio	Lower	Upper
75	100		
53	90.6	63.0	94.6
89	46.1	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#82

4-Chlorotoluene

Concen: 3.190 ug/l

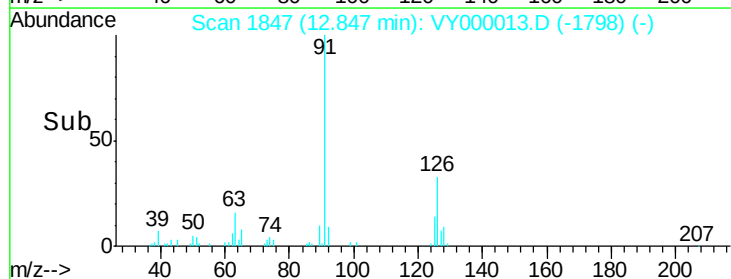
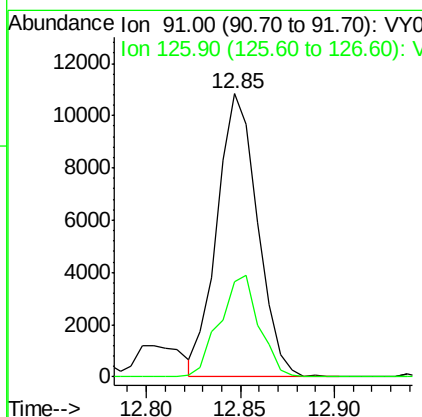
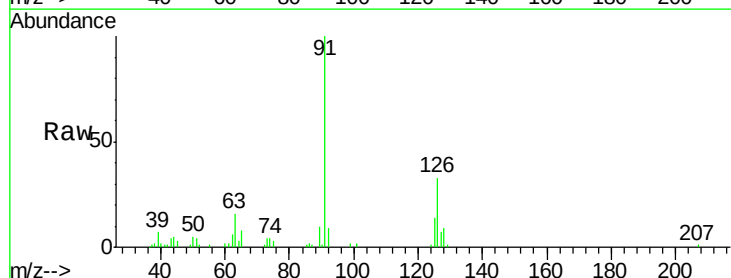
RT: 12.85 min Scan# 1847

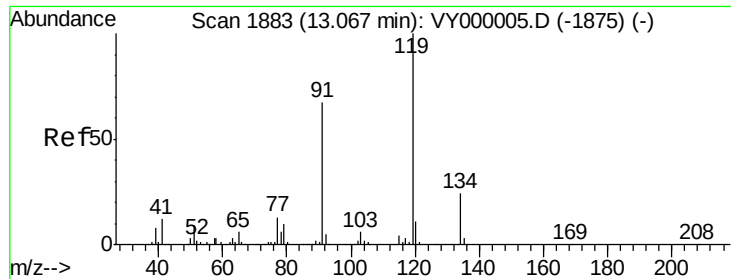
Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Tgt Ion:	91	Resp:	16136
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	50.9





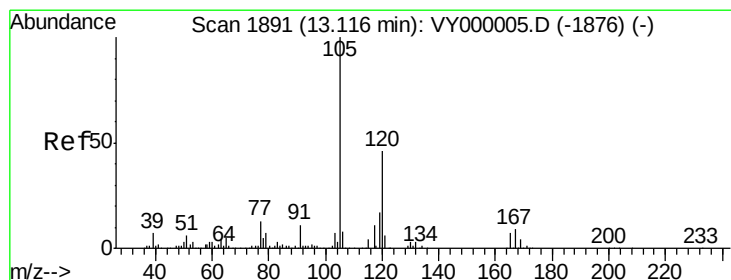
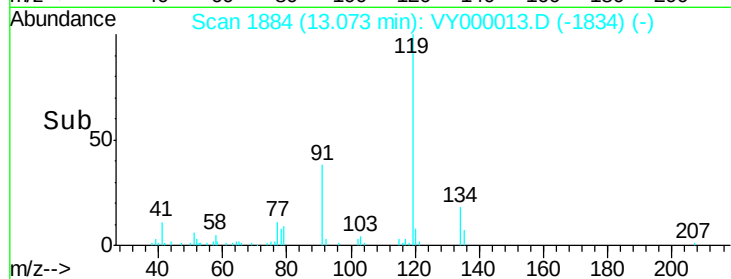
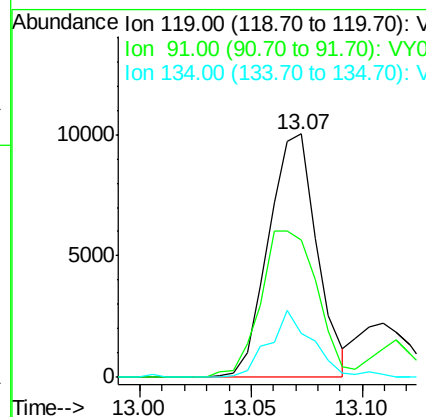
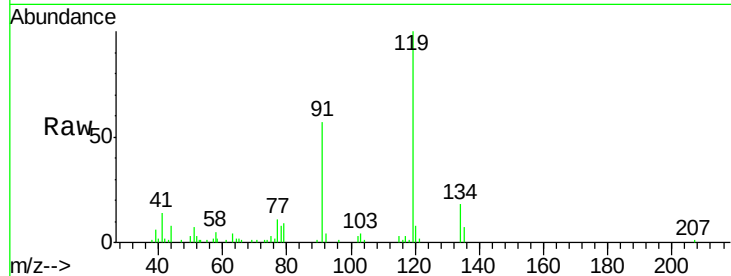
#83
 tert-Butylbenzene
 Concen: 2.990 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
119	100	15170		
91	70.8	33.6	100.8	
134	25.3	13.7	41.0	

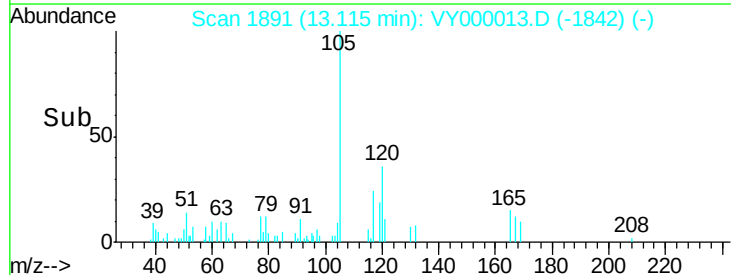
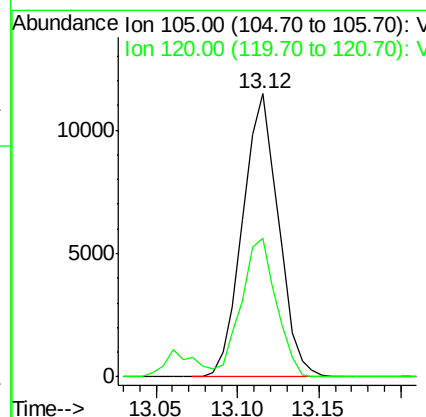
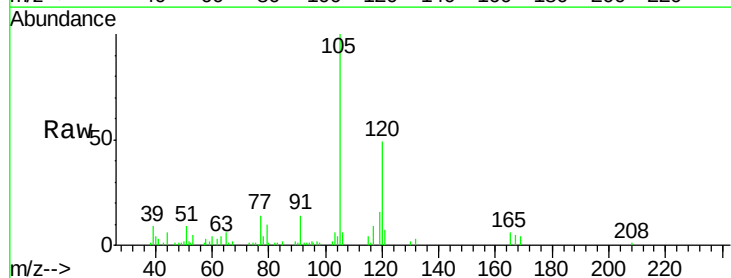
Manual Integrations
 APPROVED

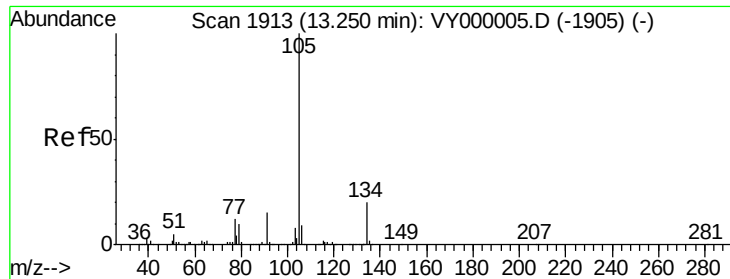
MMDadoda
 9/13/2019 11:51:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 3.029 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	17669		
120	47.6	22.8	68.3	





#85

sec-Butylbenzene

Concen: 3.012 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:105 Resp: 22784

Ion Ratio Lower Upper

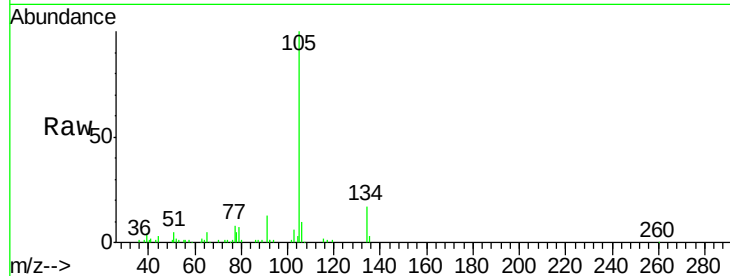
105 100

134 19.4 9.9 29.7

Manual Integrations
APPROVED

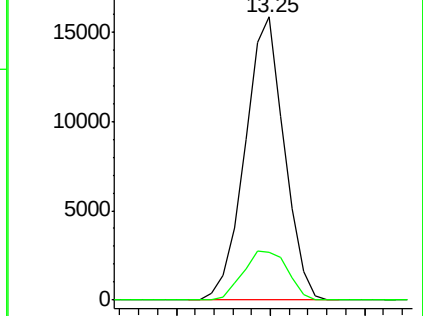
MMDadoda

9/13/2019 11:51:41 PM

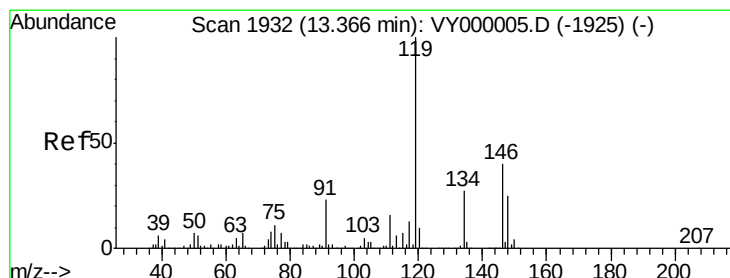
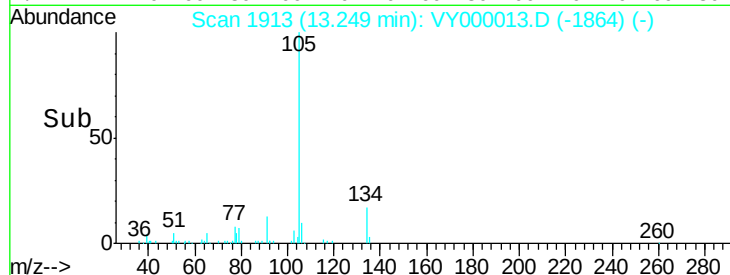


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 2.846 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000013.D

Acq: 11 Sep 2019 21:06

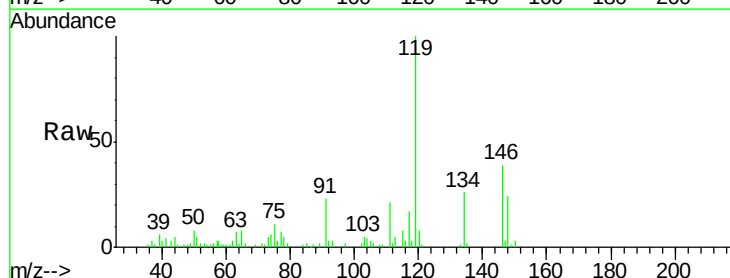
Tgt Ion:119 Resp: 18106

Ion Ratio Lower Upper

119 100

134 28.4 13.7 41.1

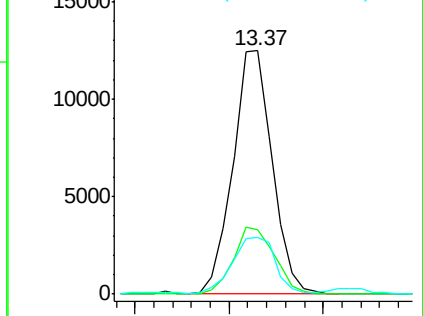
91 26.0 12.2 36.6



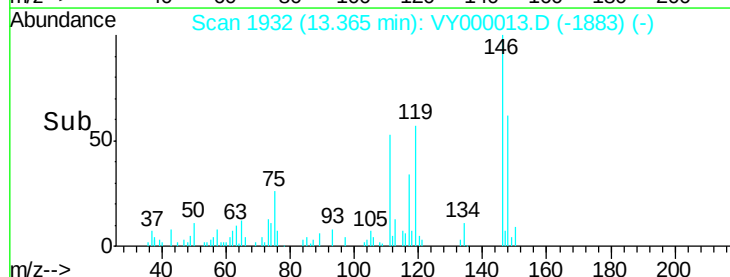
Abundance Ion 119.00 (118.70 to 119.70): V

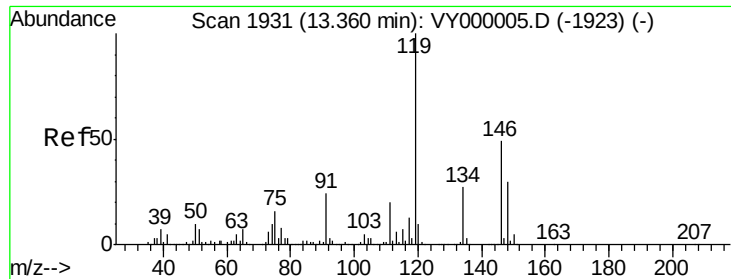
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->





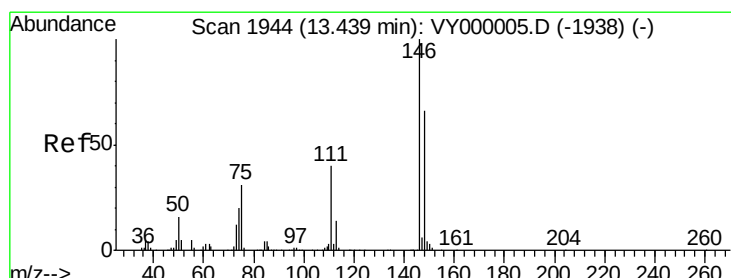
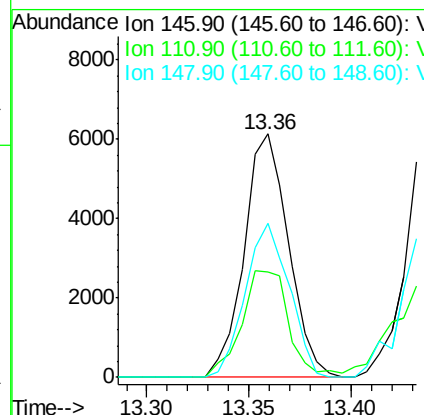
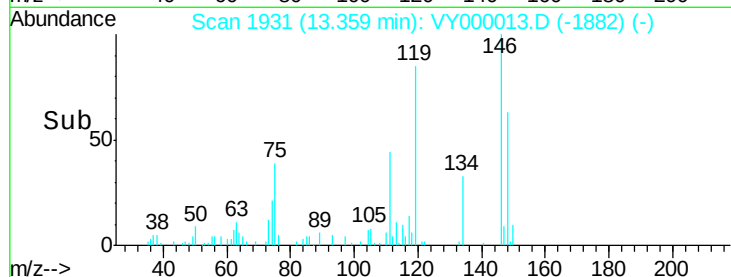
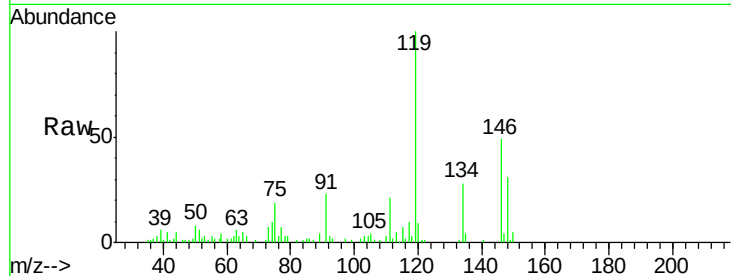
#87
 1,3-Dichlorobenzene
 Concen: 3.117 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	20.6	61.9
148	63.0	31.3	93.9

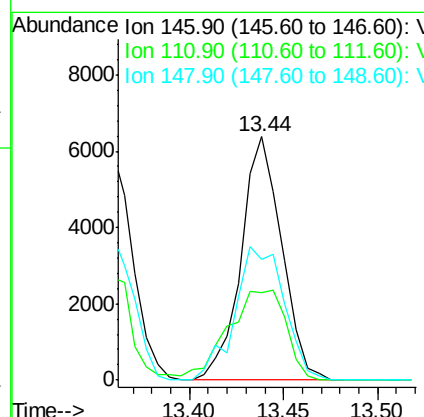
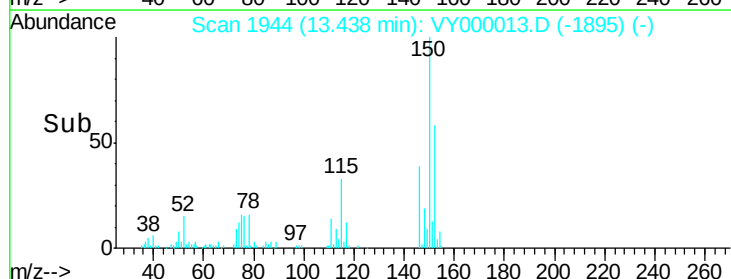
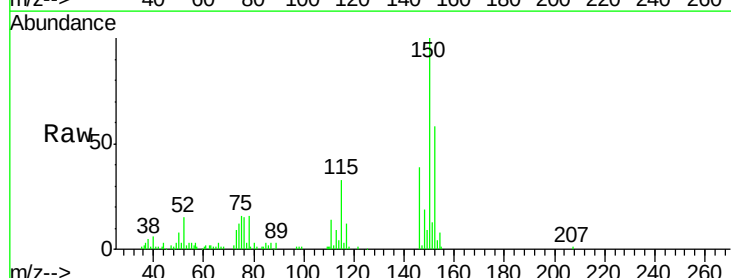
Manual Integrations
 APPROVED

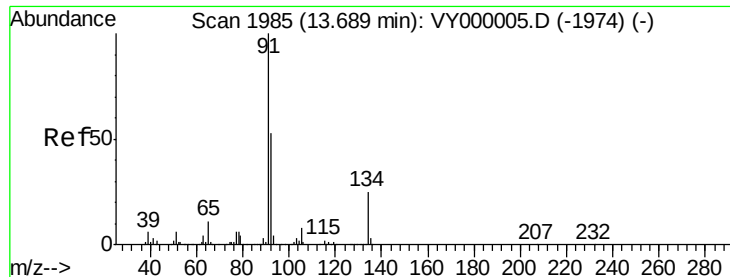
MMDadoda
 9/13/2019 11:51:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 3.191 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.6	20.3	60.9
148	66.9	31.9	95.7





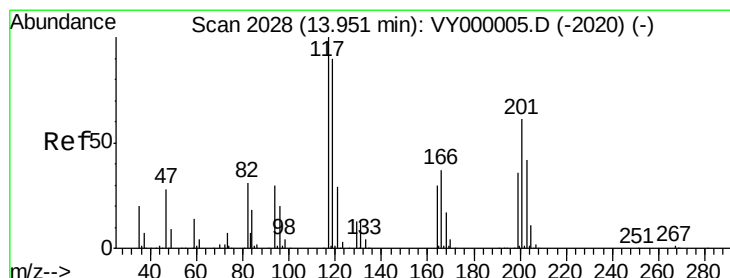
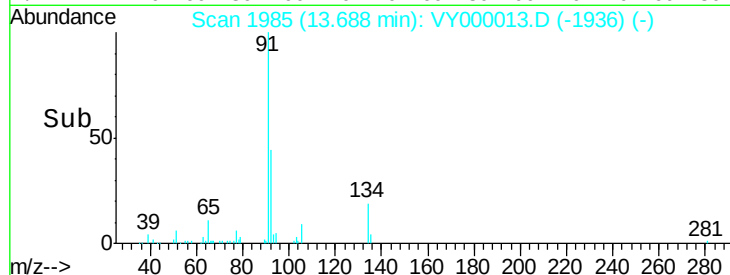
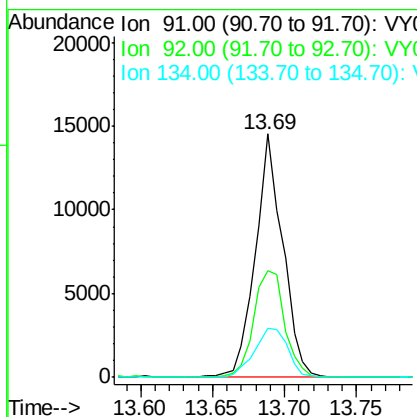
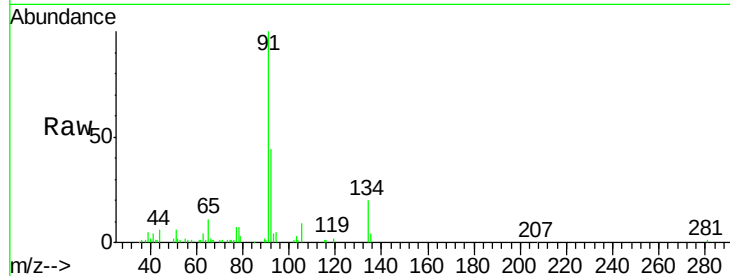
#89
n-Butylbenzene
Concen: 2.999 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.3	27.0	80.8
134	24.6	12.7	38.0

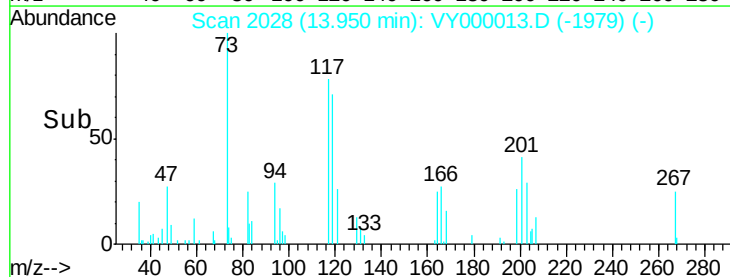
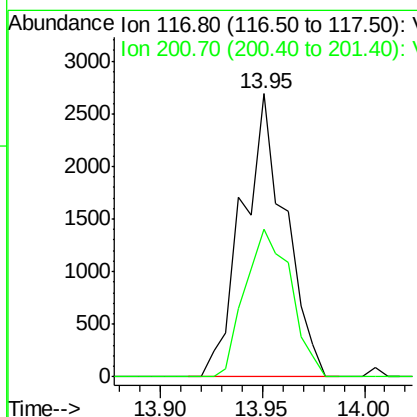
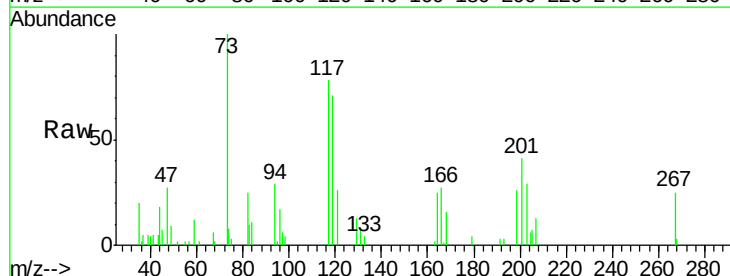
Manual Integrations
APPROVED

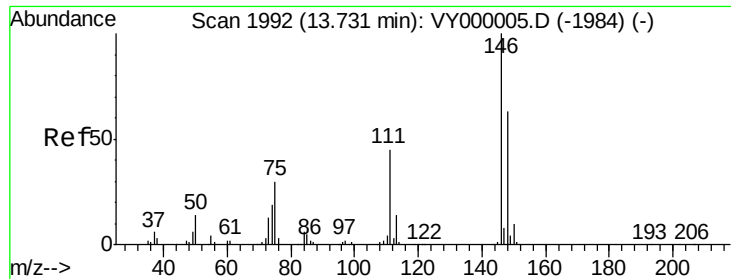
MMDadoda
9/13/2019 11:51:41 PM



#90
Hexachloroethane
Concen: 3.070 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.6	32.3	96.8





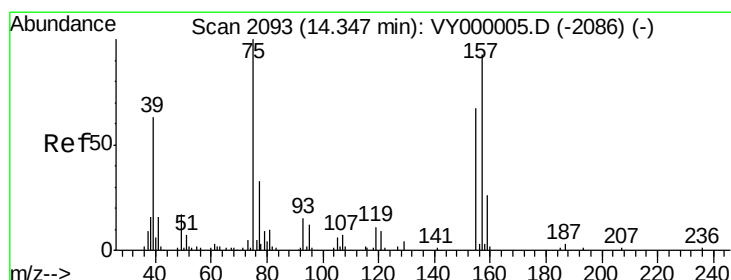
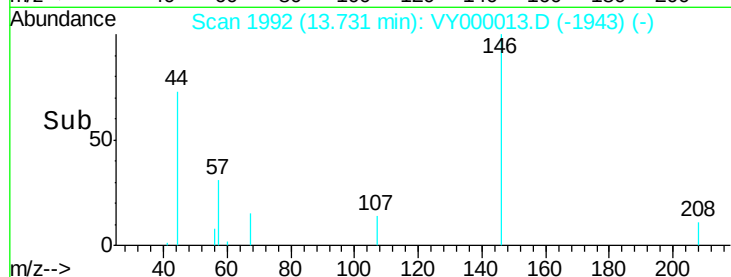
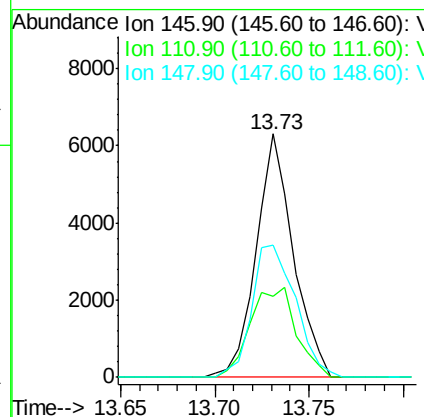
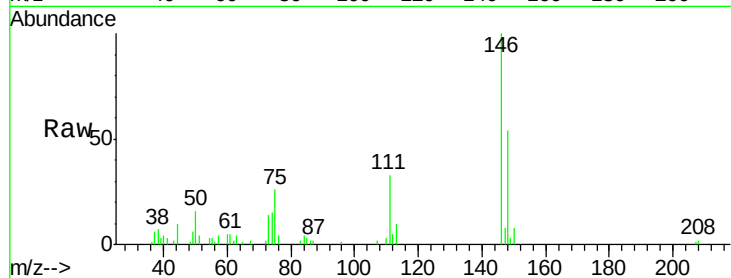
#91
 1,2-Dichlorobenzene
 Concen: 3.083 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.9	65.5
148	64.1	31.9	95.5

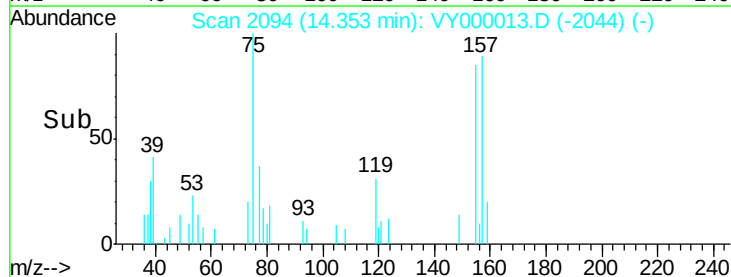
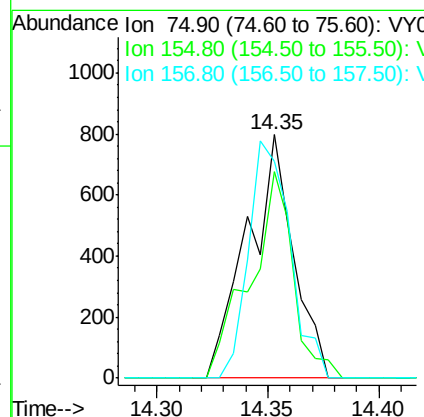
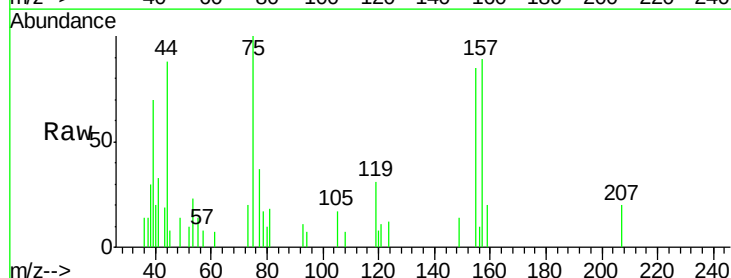
Manual Integrations
 APPROVED

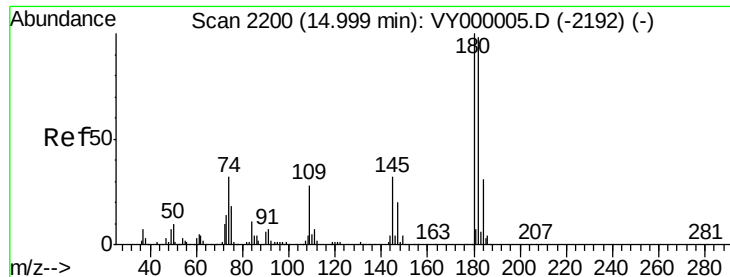
MMDadoda
 9/13/2019 11:51:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.710 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	41.4	124.2
157	88.2	52.8	158.4





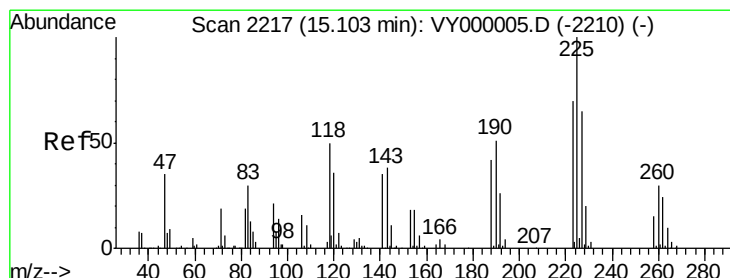
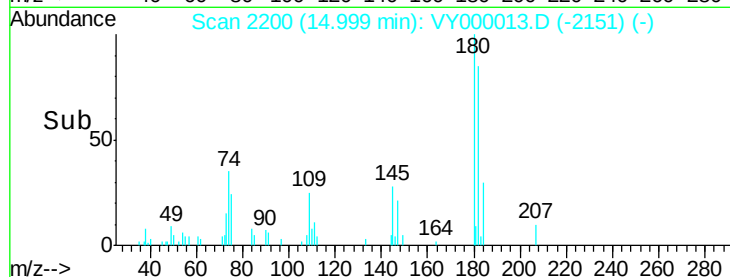
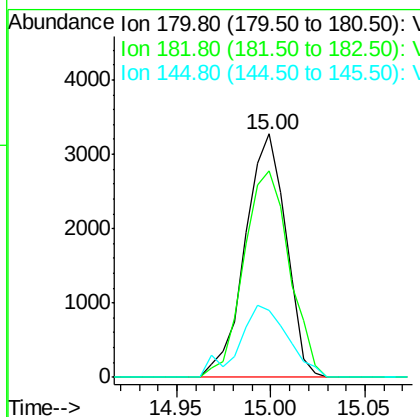
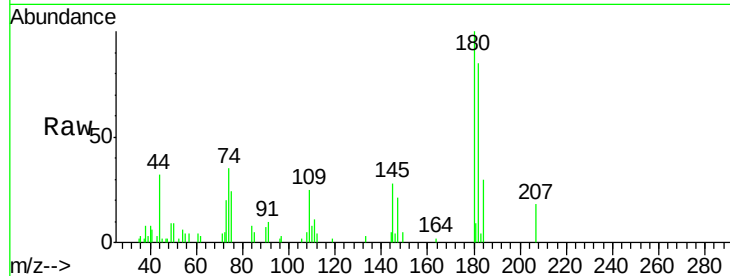
#93
 1,2,4-Trichlorobenzene
 Concen: 2.899 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
180	100	4938		
182	94.2		48.4	145.2
145	35.4		17.2	51.6

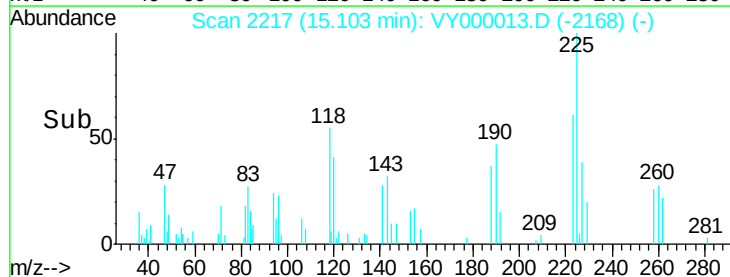
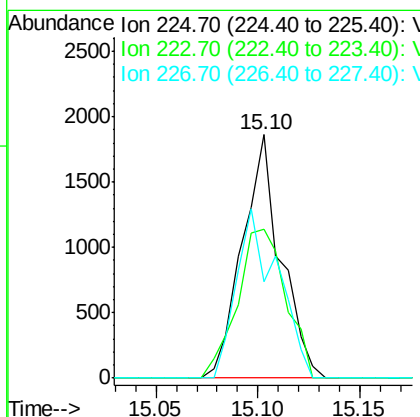
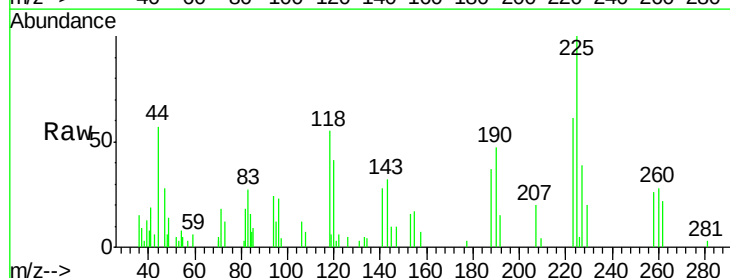
Manual Integrations
 APPROVED

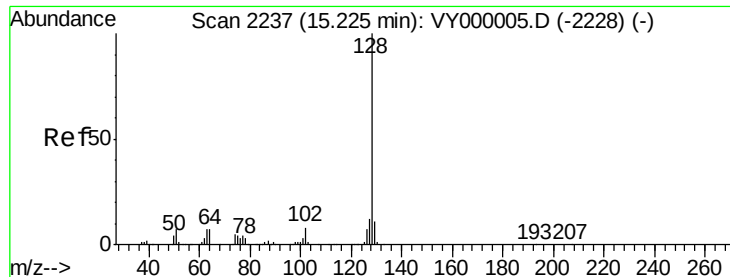
MMDadoda
 9/13/2019 11:51:41 PM



#94
 Hexachlorobutadiene
 Concen: 2.955 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000013.D
 Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2437		
223	77.1		32.3	96.8
227	73.5		31.8	95.4





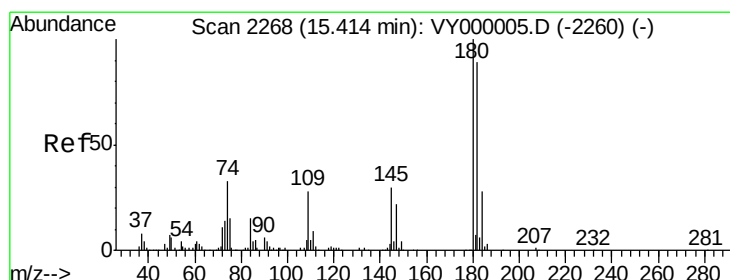
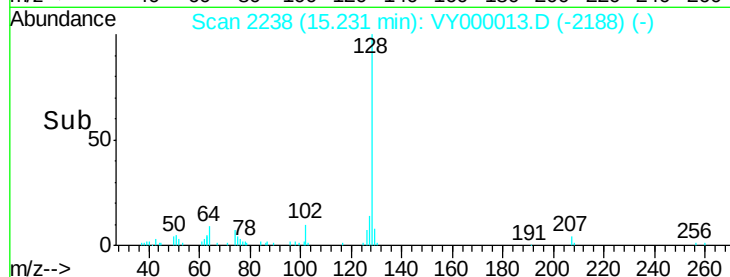
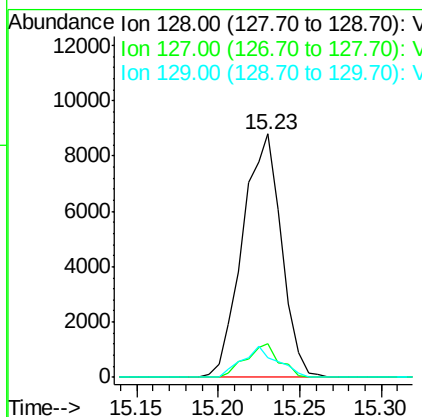
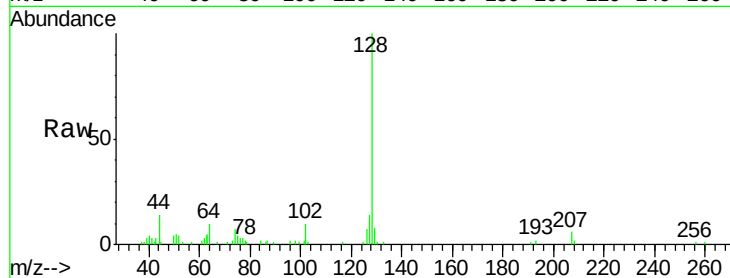
#95
Naphthalene
Concen: 3.126 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
128	100	14556		
127	11.9		9.8	14.8
129	11.6		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.956 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000013.D
Acq: 11 Sep 2019 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4515		
182	101.7		46.1	138.2
145	46.4		16.2	48.6

