

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001193.D
 Acq On : 14 Jan 2020 11:00
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:25 AM

Quant Time: Jan 15 01:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	195457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	341670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	306487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	146972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	95410	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
35) Dibromofluoromethane	7.73	113	90485	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
50) Toluene-d8	10.18	98	367388	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.48	95	138911	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	33181	22.105	ug/l	97
3) Chloromethane	2.12	50	48285	22.316	ug/l	97
4) Vinyl Chloride	2.26	62	48382	22.196	ug/l	98
5) Bromomethane	2.65	94	32020	27.347	ug/l	94
6) Chloroethane	2.80	64	30467	24.193	ug/l	98
7) Trichlorofluoromethane	3.13	101	61116	20.143	ug/l	95
8) Diethyl Ether	3.54	74	25836	21.914	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40346	20.658	ug/l	98
10) Methyl Iodide	4.10	142	54181	20.268	ug/l	99
11) Tert butyl alcohol	4.96	59	23251	111.943	ug/l	97
12) 1,1-Dichloroethene	3.88	96	42067	21.053	ug/l	95
13) Acrolein	3.74	56	21469	114.817	ug/l	100
14) Allyl chloride	4.49	41	71577	21.225	ug/l	100
15) Acrylonitrile	5.18	53	62196	105.481	ug/l	100
16) Acetone	3.96	43	49902	104.086	ug/l	99
17) Carbon Disulfide	4.20	76	137914	21.326	ug/l	99
18) Methyl Acetate	4.49	43	31930	20.144	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	117916	21.334	ug/l	97
20) Methylene Chloride	4.72	84	51591	19.749	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	48710	21.499	ug/l	96
22) Diisopropyl ether	6.13	45	147023	21.345	ug/l	98
23) Vinyl Acetate	6.07	43	475674	107.981	ug/l	99
24) 1,1-Dichloroethane	6.03	63	81589	21.637	ug/l	99
25) 2-Butanone	7.00	43	81680	109.466	ug/l	98
26) 2,2-Dichloropropane	6.99	77	72335	20.860	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	53925	21.721	ug/l	99
28) Bromochloromethane	7.35	49	28385	18.331	ug/l	96
29) Tetrahydrofuran	7.36	42	54615	106.806	ug/l	98
30) Chloroform	7.52	83	79388	21.486	ug/l	98
31) Cyclohexane	7.79	56	79583	19.933	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	67073	20.459	ug/l	99
36) 1,1-Dichloropropene	7.93	75	64353	20.665	ug/l	99
37) Ethyl Acetate	7.08	43	37366	20.446	ug/l	99
38) Carbon Tetrachloride	7.91	117	57956	20.307	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001193.D
 Acq On : 14 Jan 2020 11:00
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:25 AM

Quant Time: Jan 15 01:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	83945	19.883	ug/l	98
40) Benzene	8.17	78	193223	21.256	ug/l	97
41) Methacrylonitrile	7.33	41	20000m	23.297	ug/l	
42) 1,2-Dichloroethane	8.25	62	52560	20.649	ug/l	98
43) Isopropyl Acetate	8.28	43	71057	20.333	ug/l	100
44) Trichloroethene	8.94	130	50460	21.303	ug/l	96
45) 1,2-Dichloropropane	9.22	63	48083	21.396	ug/l	99
46) Dibromomethane	9.31	93	25934	21.150	ug/l	98
47) Bromodichloromethane	9.50	83	62464	20.903	ug/l	100
48) Methyl methacrylate	9.30	41	32685	20.211	ug/l	98
49) 1,4-Dioxane	9.30	88	6564	439.577	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	181087	102.121	ug/l	100
52) Toluene	10.24	92	124305	21.440	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	68767	20.565	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	79991	21.217	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	38668	21.272	ug/l	99
56) Ethyl methacrylate	10.51	69	57011	20.503	ug/l	98
57) 1,3-Dichloropropane	10.79	76	67172	21.525	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	101966	104.262	ug/l	100
59) 2-Hexanone	10.83	43	127860	102.884	ug/l	100
60) Dibromochloromethane	10.99	129	43063	20.575	ug/l	99
61) 1,2-Dibromoethane	11.09	107	36536	20.584	ug/l	99
64) Tetrachloroethene	10.72	164	40193	20.344	ug/l	99
65) Chlorobenzene	11.52	112	129302	21.114	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	44658	21.158	ug/l	99
67) Ethyl Benzene	11.59	91	237220	21.175	ug/l	99
68) m/p-Xylenes	11.70	106	182240	43.123	ug/l	97
69) o-Xylene	12.03	106	85722	21.156	ug/l	99
70) Styrene	12.04	104	151217	21.270	ug/l	98
71) Bromoform	12.20	173	26485	20.347	ug/l #	99
73) Isopropylbenzene	12.33	105	225829	20.439	ug/l	100
74) N-amyl acetate	12.14	43	68931	19.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	46851	20.154	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	31547m	20.051	ug/l	
77) Bromobenzene	12.61	156	51969	21.286	ug/l	94
78) n-propylbenzene	12.67	91	275277	20.713	ug/l	99
79) 2-Chlorotoluene	12.75	91	156279	20.475	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	189970	20.606	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	17855	19.244	ug/l #	99
82) 4-Chlorotoluene	12.85	91	165314	20.288	ug/l	97
83) tert-Butylbenzene	13.07	119	157437	20.324	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	192869	21.067	ug/l	99
85) sec-Butylbenzene	13.25	105	230224	20.659	ug/l	99
86) p-Isopropyltoluene	13.37	119	208150	21.513	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	100156	21.692	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	102793	21.632	ug/l	98
89) n-Butylbenzene	13.69	91	205114	21.048	ug/l	99
90) Hexachloroethane	13.96	117	38480	20.353	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	92267	21.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8074	19.255	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
Data File : VY001193.D
Acq On : 14 Jan 2020 11:00
Operator : SY/MD
Sample : VY0114SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBSD01

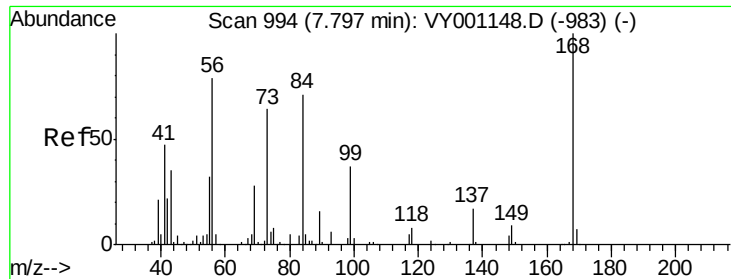
Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM

Quant Time: Jan 15 01:36:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	62172	21.990	ug/l	98
94) Hexachlorobutadiene	15.11	225	31807	22.331	ug/l	99
95) Naphthalene	15.23	128	139803	21.240	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	56304	22.596	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion:168 Resp: 195457

Ion Ratio Lower Upper

168 100

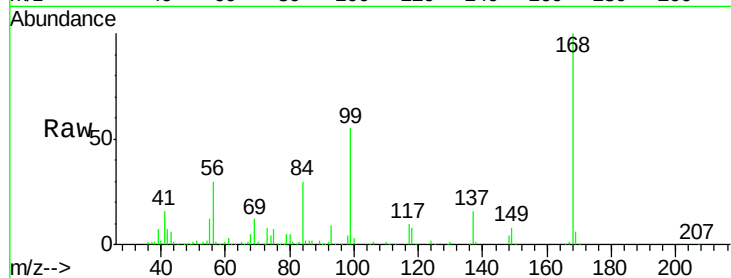
99 54.6 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

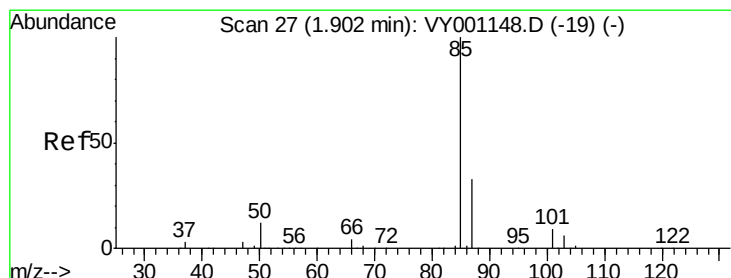
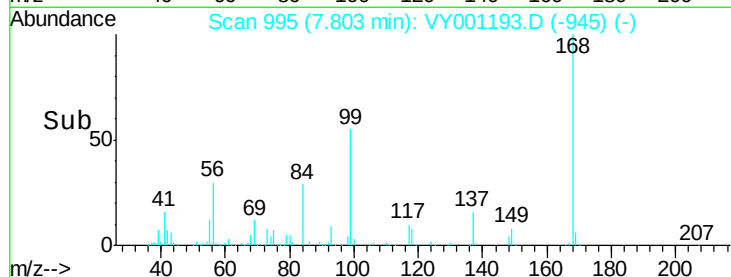
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.105 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001193.D

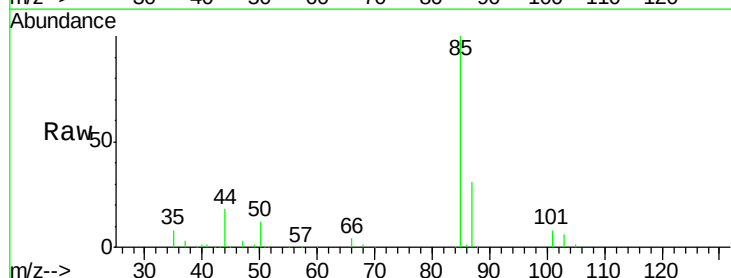
Acq: 14 Jan 2020 11:00

Tgt Ion: 85 Resp: 33181

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.90

25000

20000

15000

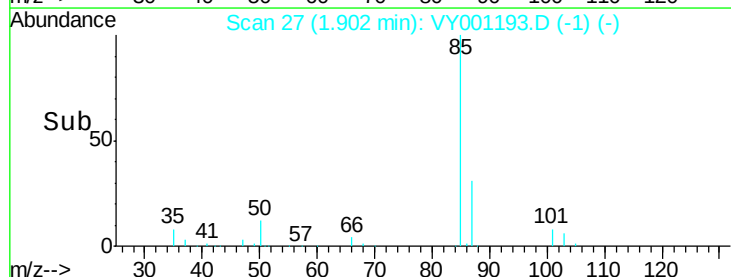
10000

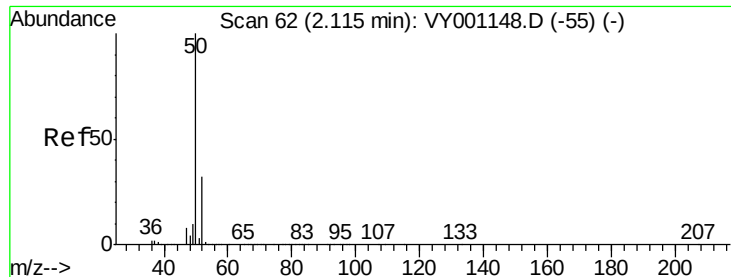
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.316 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBSD01

Tot Ion: 50 Resp: 48285

Ion Ratio Lower Upper

50 100

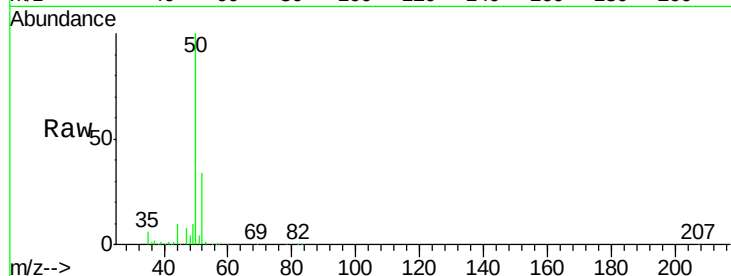
52 33.8 25.8 38.6

Manual Integrations

APPROVED

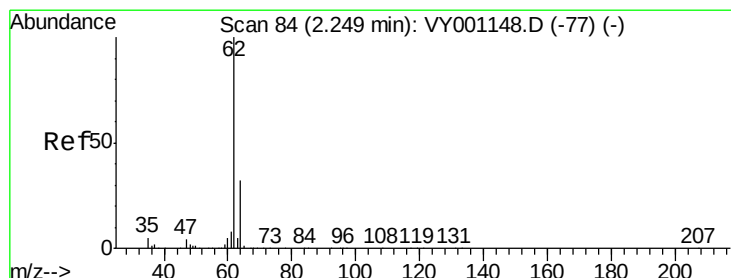
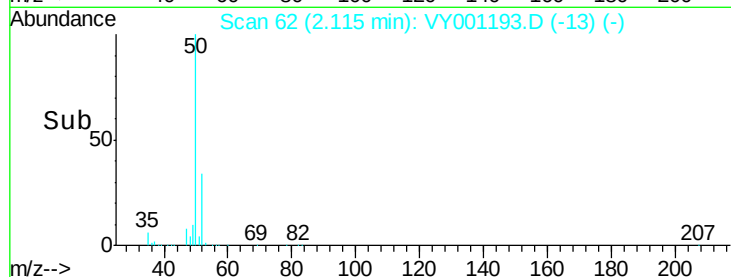
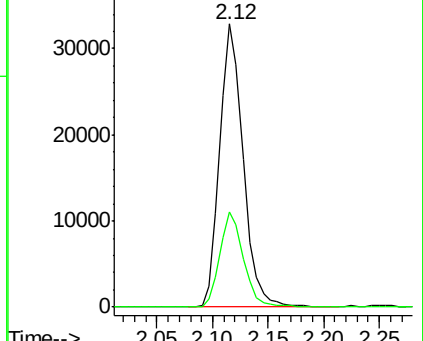
MMDadoda

1/15/2020 9:30:25 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 22.196 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001193.D

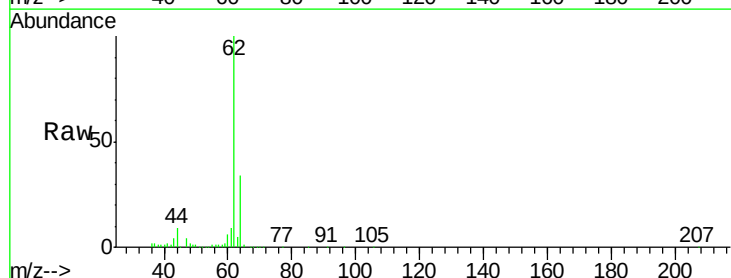
Acq: 14 Jan 2020 11:00

Tgt Ion: 62 Resp: 48382

Ion Ratio Lower Upper

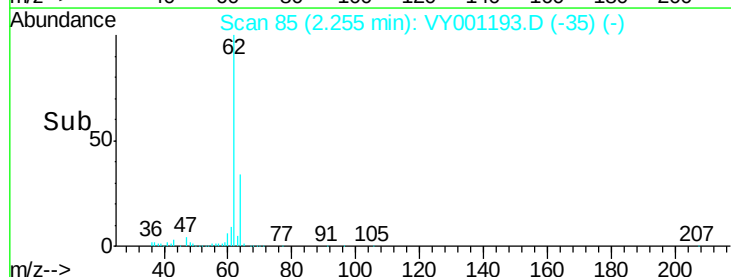
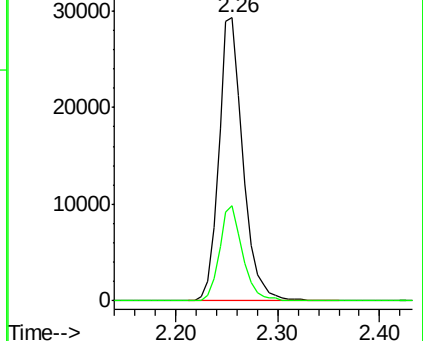
62 100

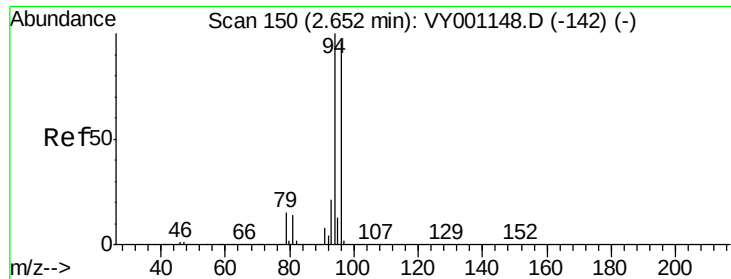
64 33.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 27.347 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 94 Resp: 32020

Ion Ratio Lower Upper

94 100

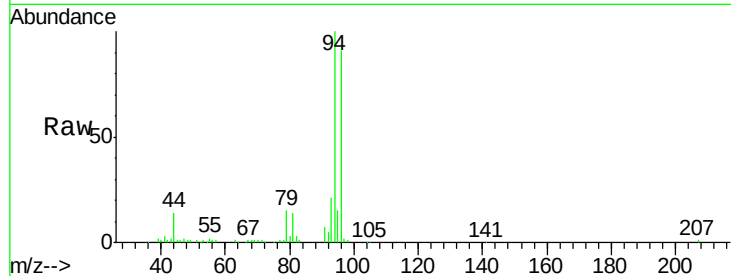
96 90.3 77.3 115.9

Manual Integrations

APPROVED

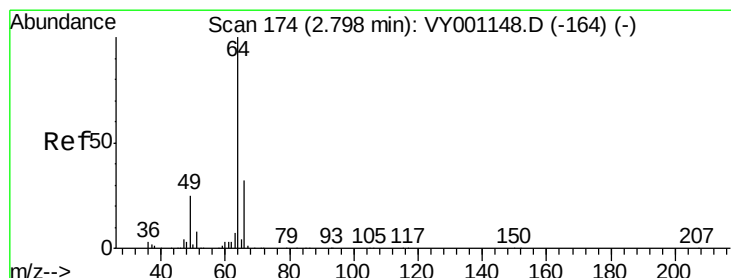
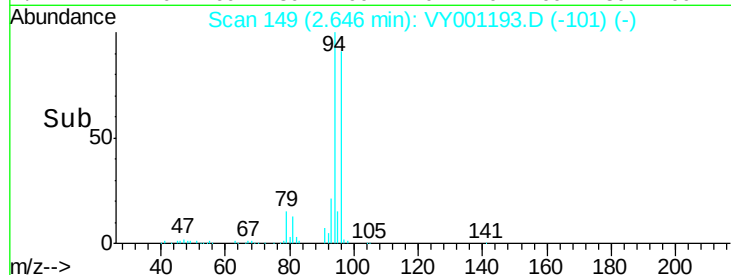
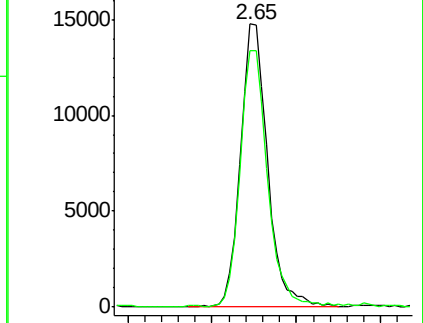
MMDadoda

1/15/2020 9:30:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 24.193 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001193.D

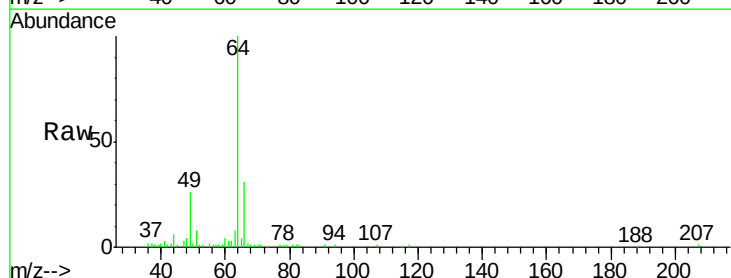
Acq: 14 Jan 2020 11:00

Tgt Ion: 64 Resp: 30467

Ion Ratio Lower Upper

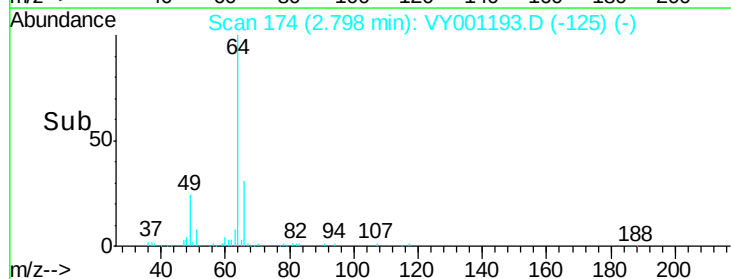
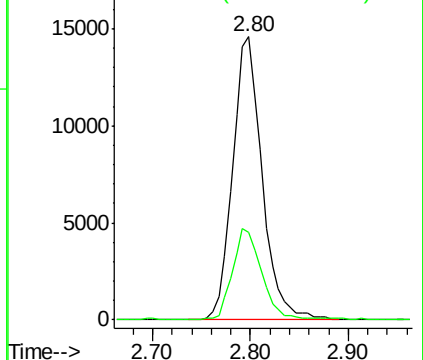
64 100

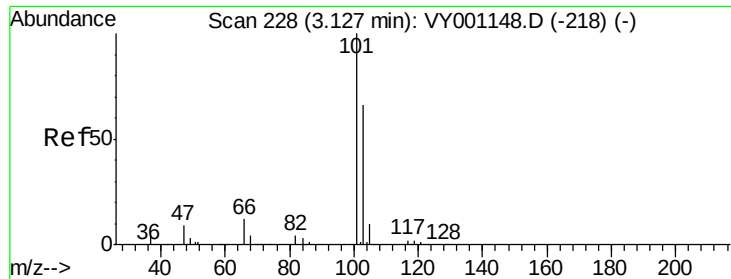
66 30.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

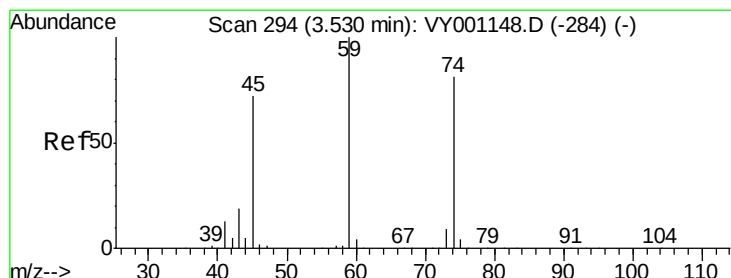
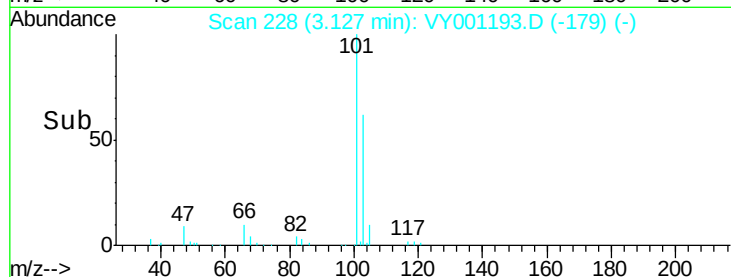
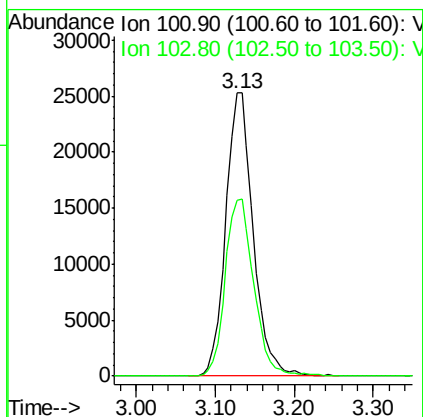
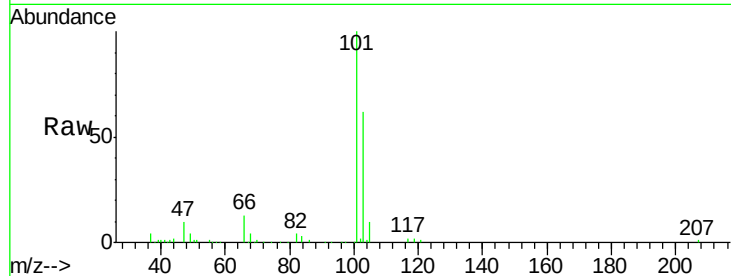
Trichlorofluoromethane
Concen: 20.143 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.6	79.0

Manual Integrations
APPROVED

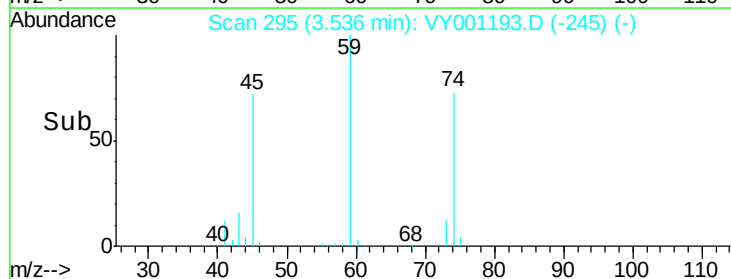
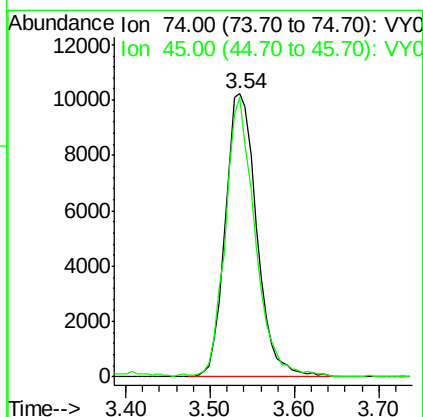
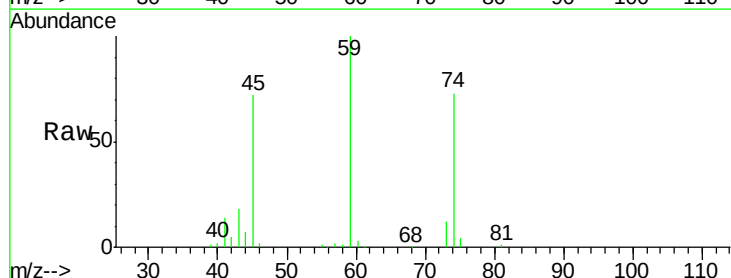
MMDadoda
1/15/2020 9:30:25 AM

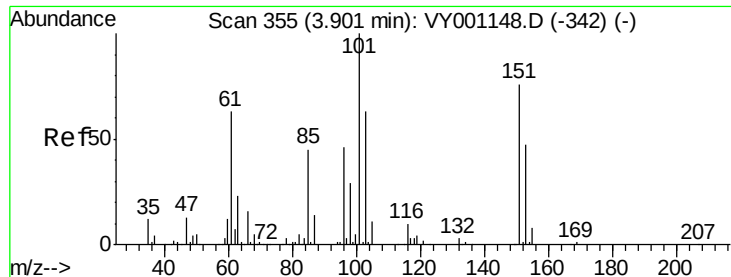


#8

Diethyl Ether
Concen: 21.914 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.658 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

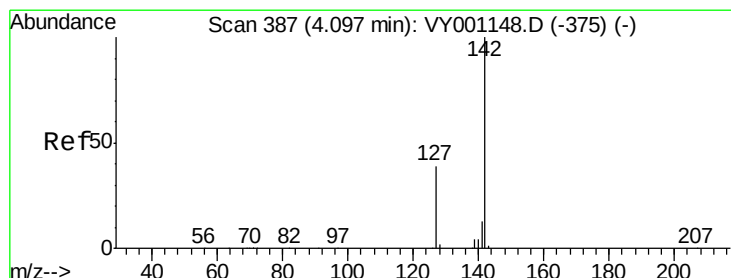
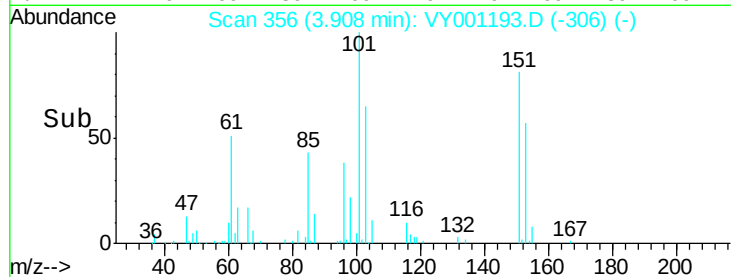
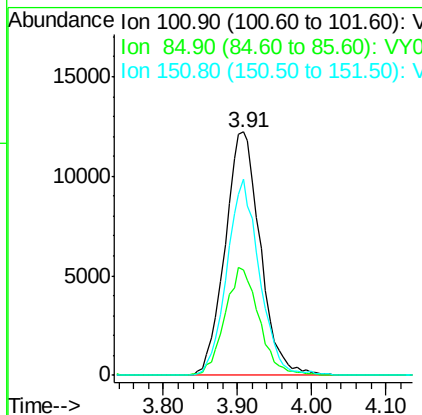
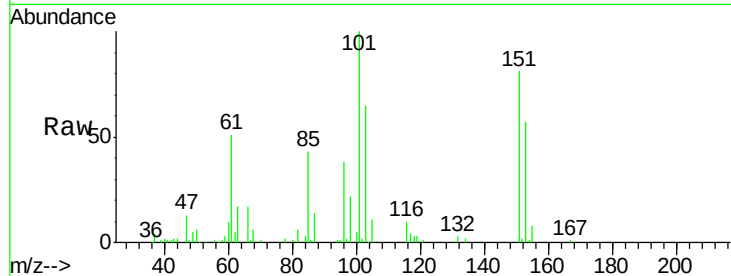
ClientSampleId :

VY0114SBS01

Tot Ion:	101	Resp:	40346
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.2	52.8
151	74.7	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#10

Methyl Iodide

Concen: 20.268 ug/l

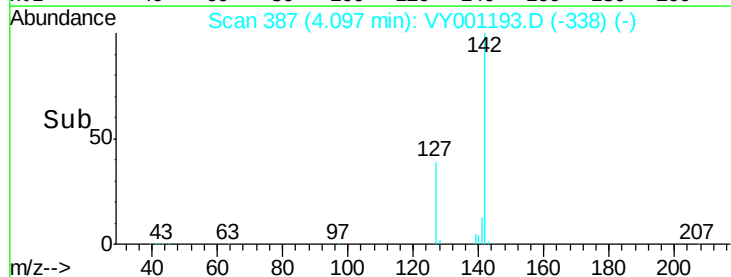
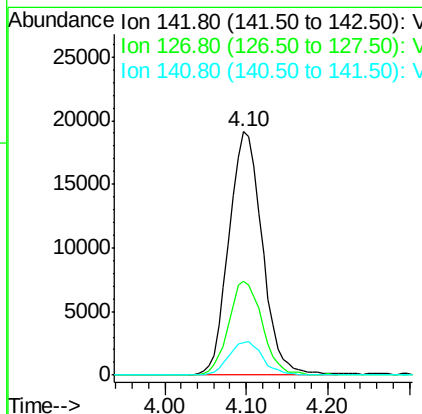
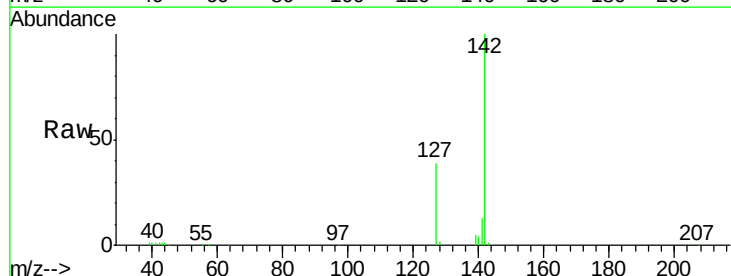
RT: 4.10 min Scan# 387

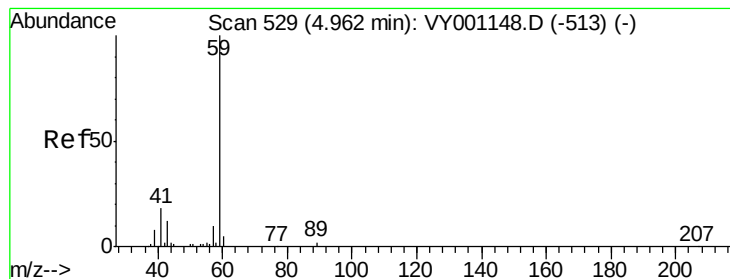
Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Tgt Ion:	142	Resp:	54181
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.8	46.2
141	13.9	11.0	16.4





#11

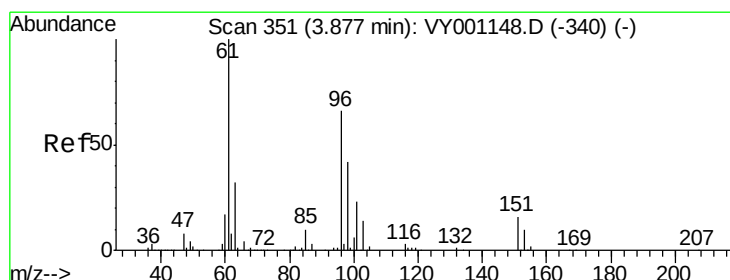
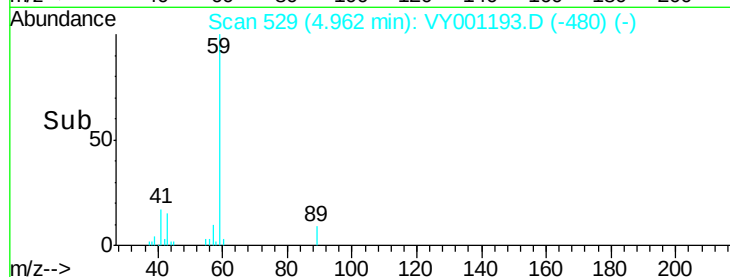
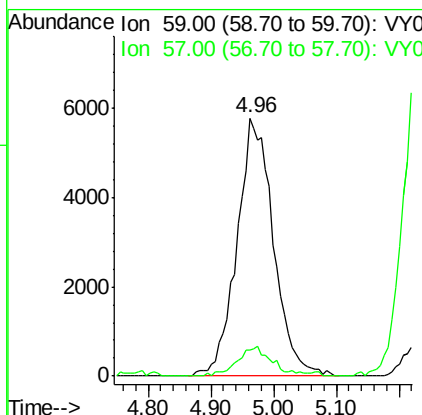
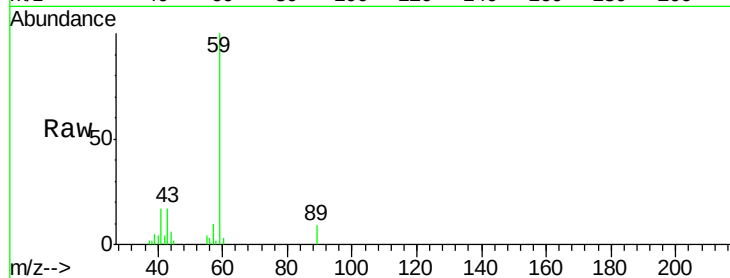
Tert butyl alcohol
Concen: 111.943 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

Manual Integrations
APPROVED

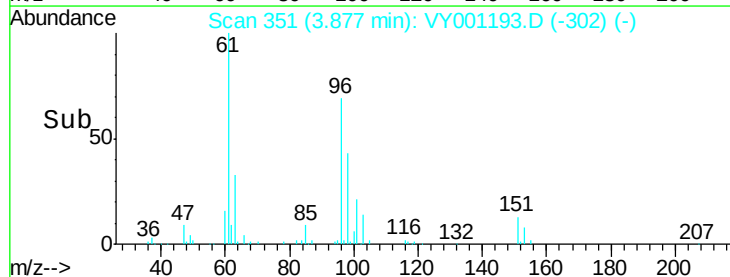
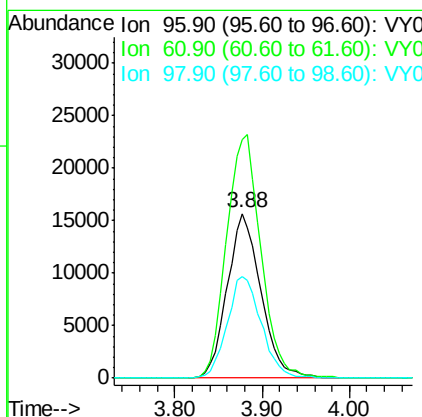
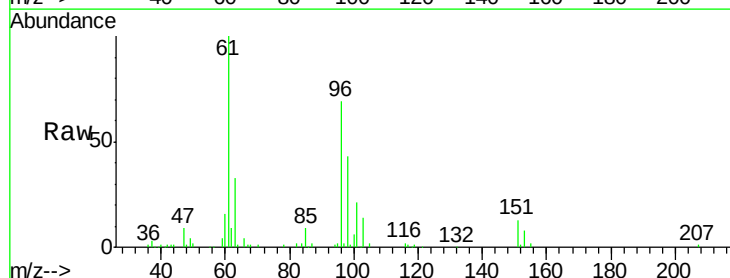
MMDadoda
1/15/2020 9:30:25 AM

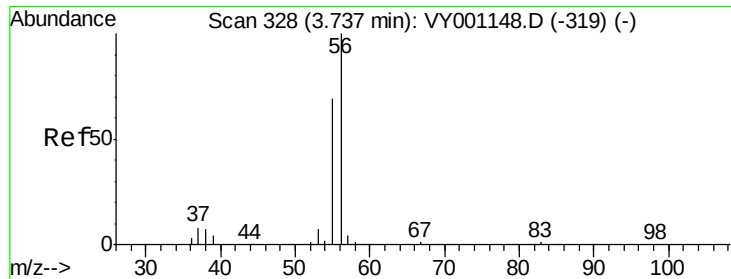


#12

1,1-Dichloroethene
Concen: 21.053 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.8	122.1	183.1
98	61.7	51.0	76.6





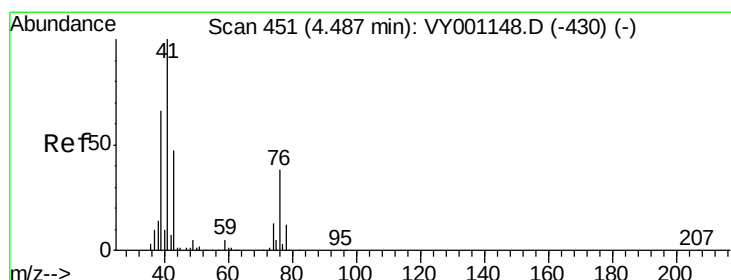
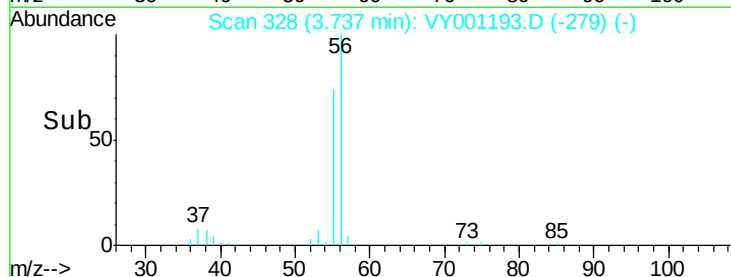
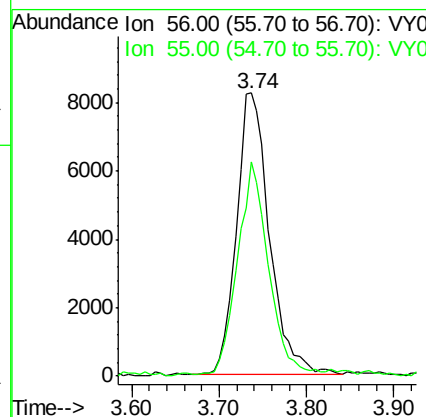
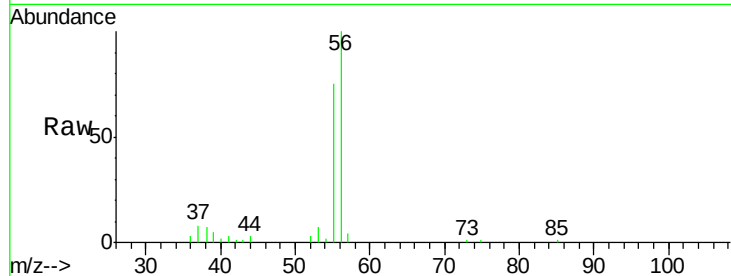
#13
Acrolein
Concen: 114.817 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	56	55	Ratio	Lower	Upper
21469	100	70.6		56.7	85.1

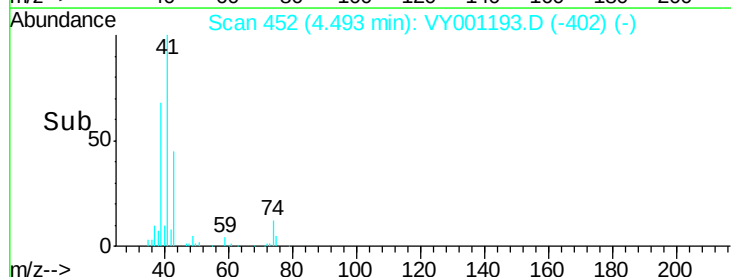
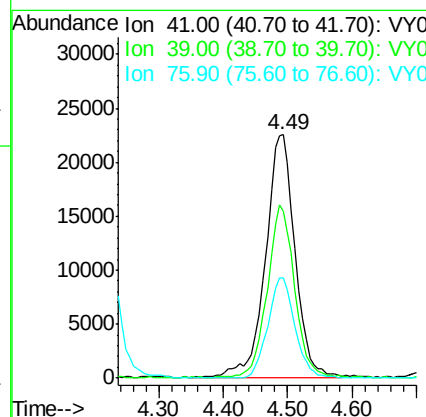
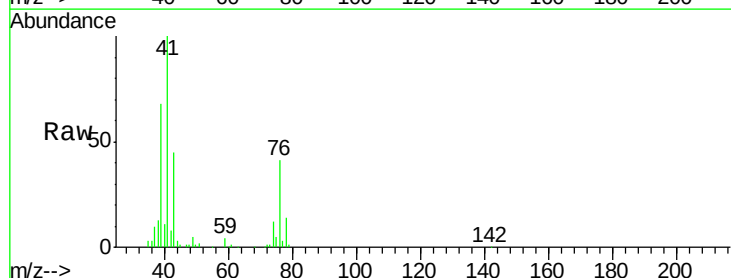
Manual Integrations
APPROVED

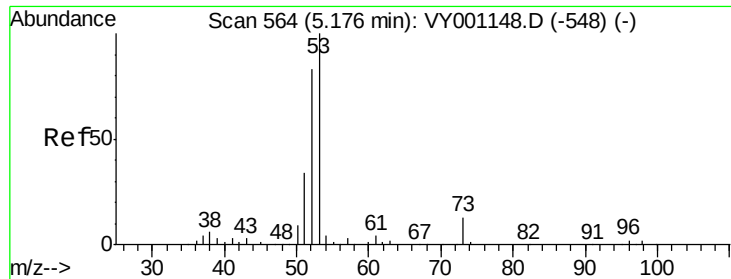
MMDadoda
1/15/2020 9:30:25 AM



#14
Allyl chloride
Concen: 21.225 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	41	39	76	Ratio	Lower	Upper
71577	100	65.6	38.0		52.6	78.8





#15

Acrylonitrile

Concen: 105.481 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

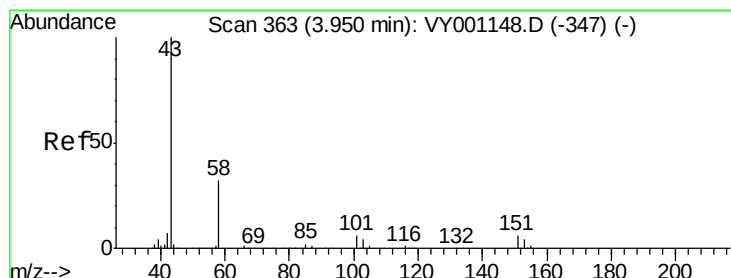
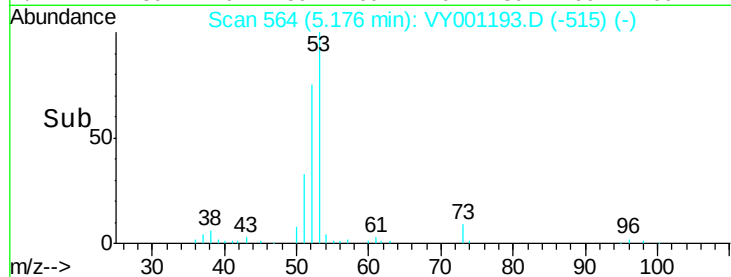
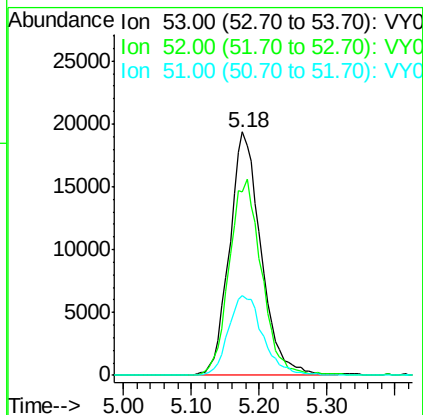
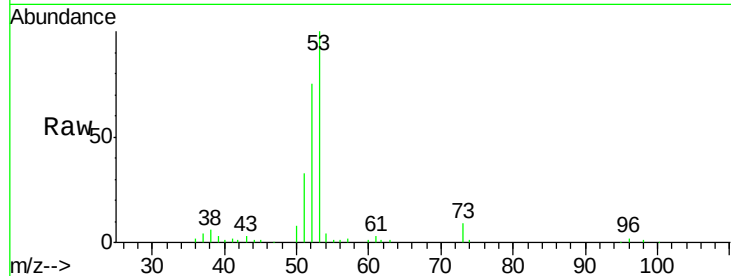
ClientSampleId :

VY0114SBSD01

Tot Ion:	53	Resp:	62196
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.7	98.5
51	36.0	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#16

Acetone

Concen: 104.086 ug/l

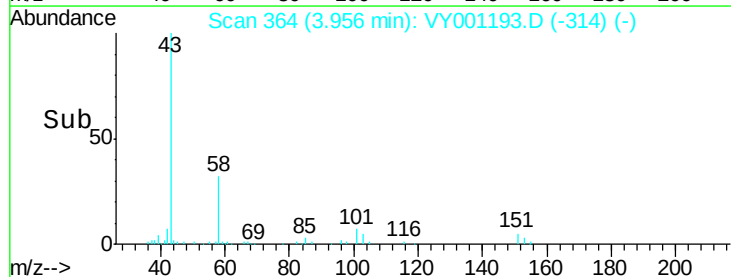
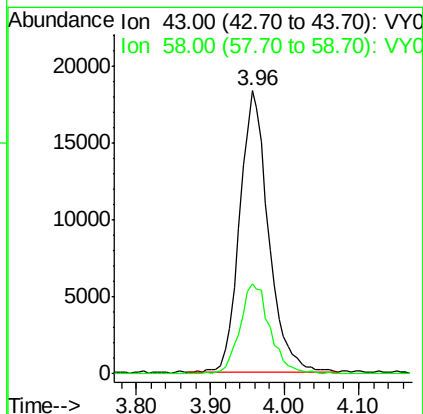
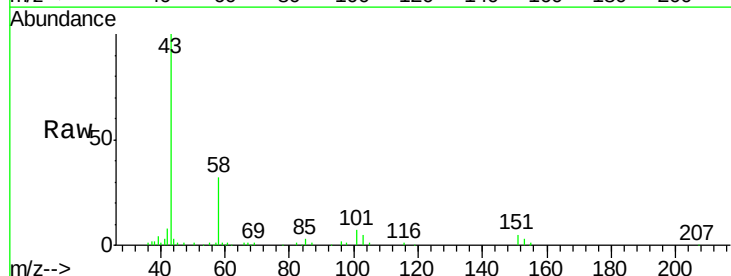
RT: 3.96 min Scan# 364

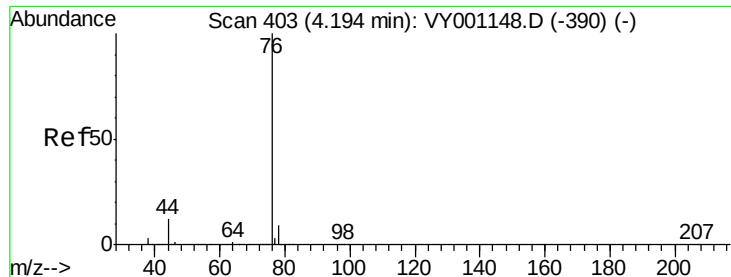
Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Tgt Ion:	43	Resp:	49902
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.6





#17

Carbon Disulfide

Concen: 21.326 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 76 Resp: 137914

Ion Ratio Lower Upper

76 100

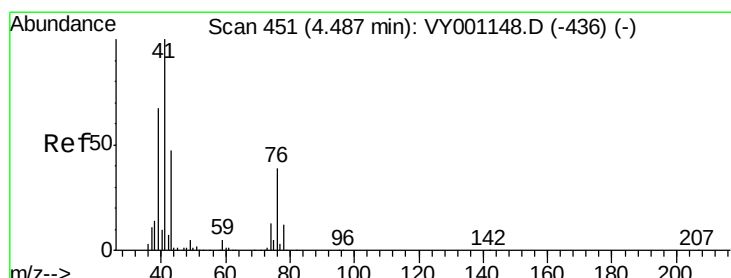
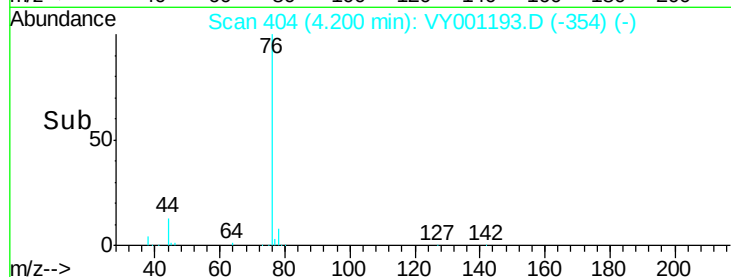
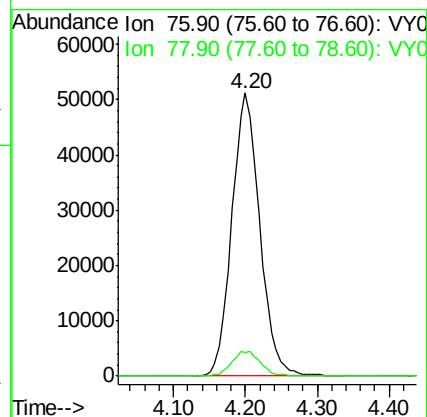
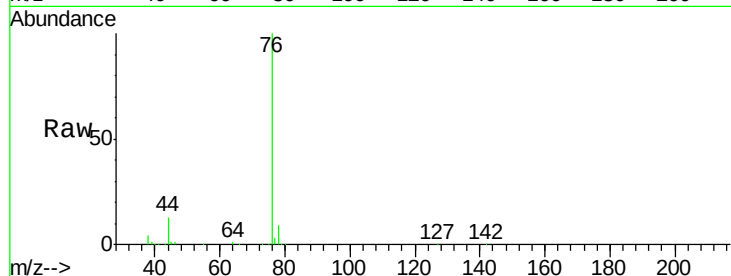
78 8.5 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



#18

Methyl Acetate

Concen: 20.144 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001193.D

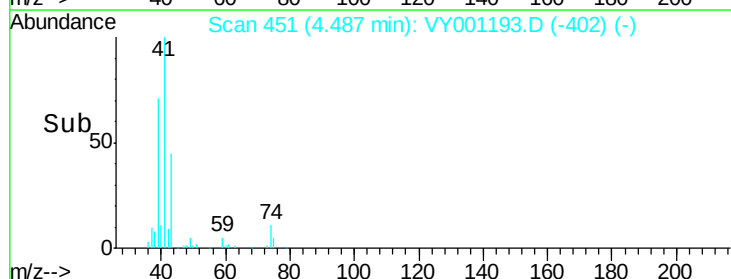
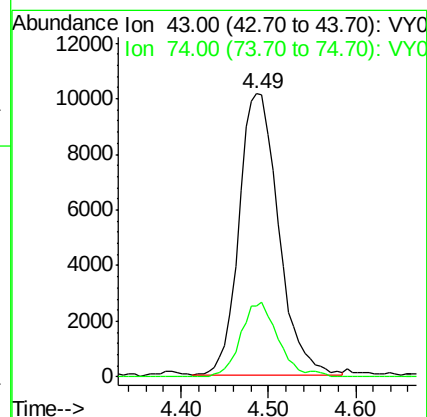
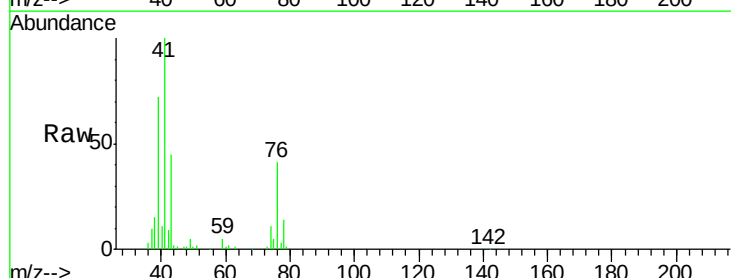
Acq: 14 Jan 2020 11:00

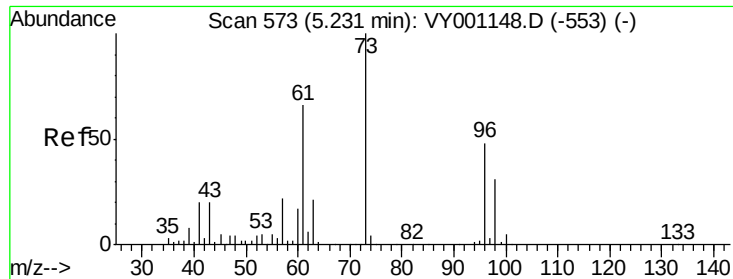
Tgt Ion: 43 Resp: 31930

Ion Ratio Lower Upper

43 100

74 25.1 20.2 30.2





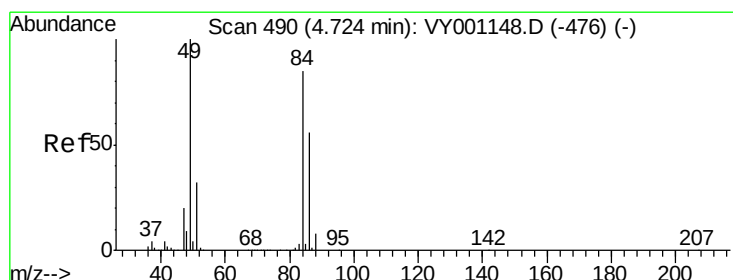
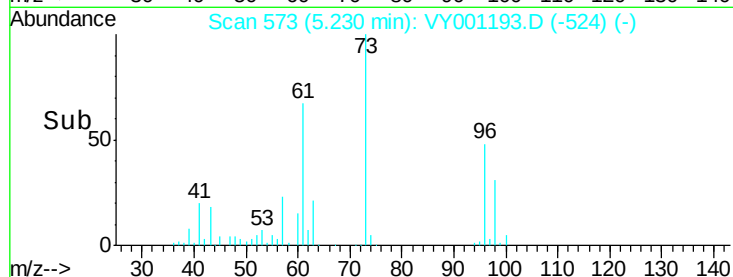
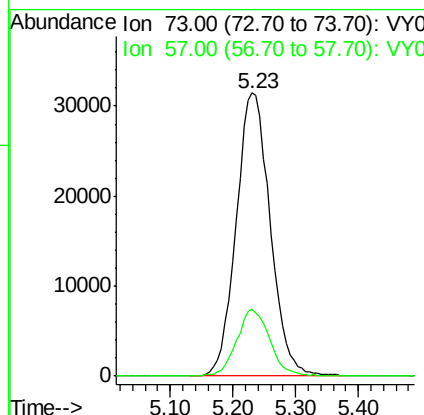
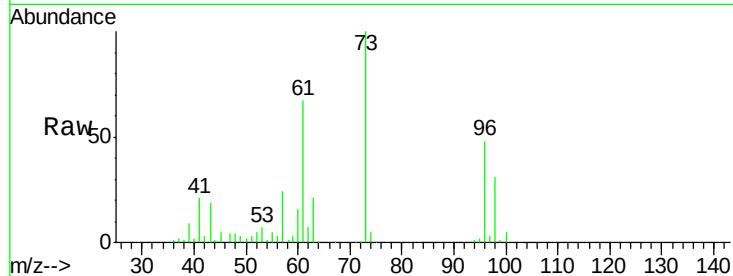
#19
Methyl tert-butyl Ether
Concen: 21.334 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion: 73 Resp: 117916
Ion Ratio Lower Upper
73 100
57 23.7 17.8 26.6

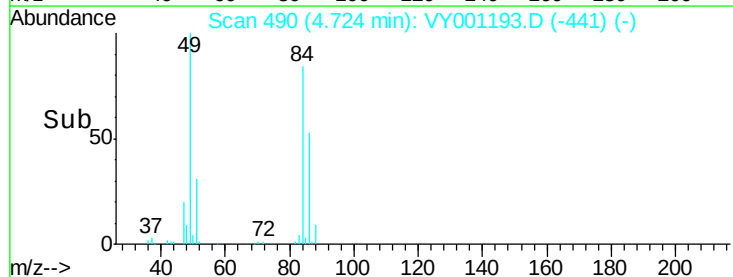
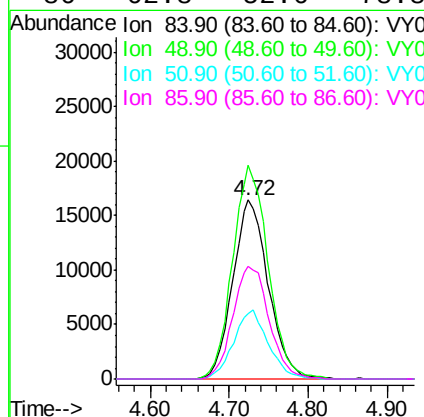
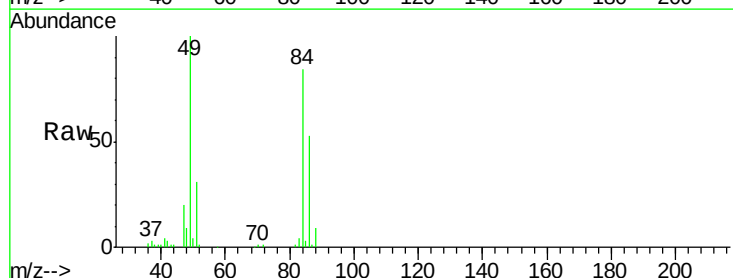
Manual Integrations
APPROVED

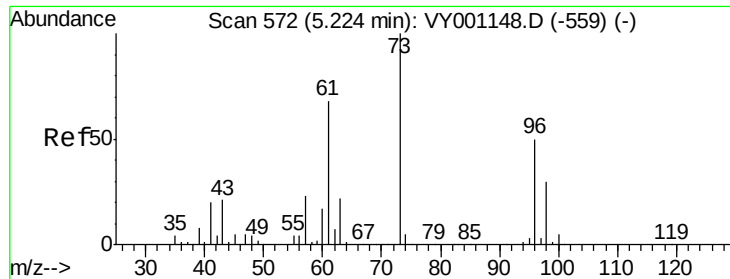
MMDadoda
1/15/2020 9:30:25 AM



#20
Methylene Chloride
Concen: 19.749 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion: 84 Resp: 51591
Ion Ratio Lower Upper
84 100
49 119.6 93.8 140.6
51 36.9 29.9 44.9
86 62.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.499 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

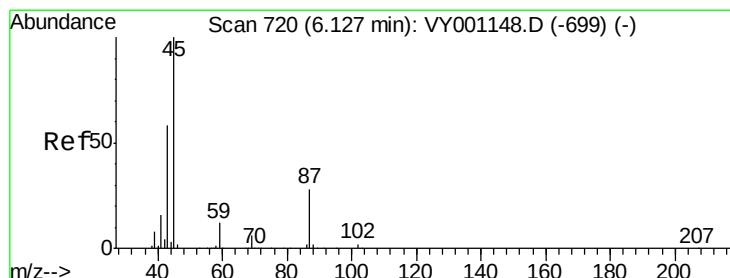
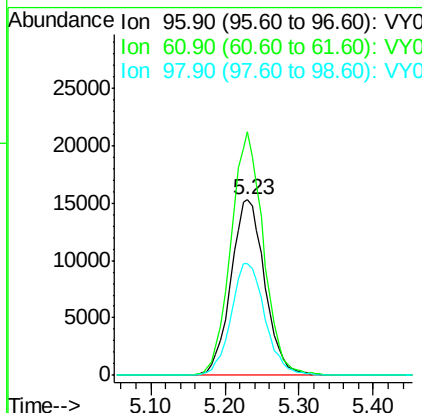
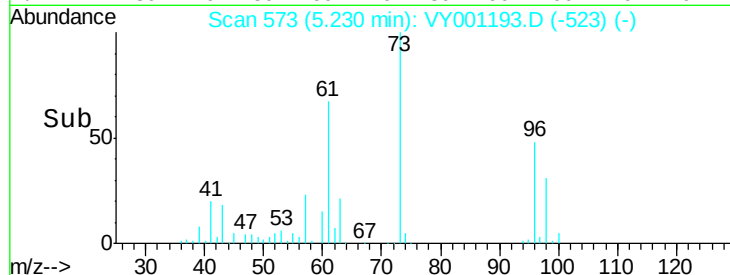
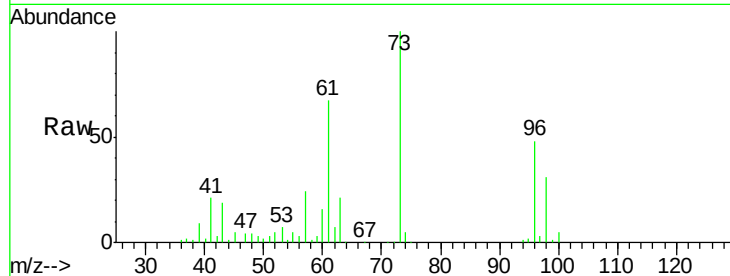
ClientSampleId :

VY0114SBS01

Tot Ion:	96	Resp:	48710
Ion	Ratio	Lower	Upper
96	100		
61	139.0	107.6	161.4
98	63.9	47.6	71.4

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#22

Diisopropyl ether

Concen: 21.345 ug/l

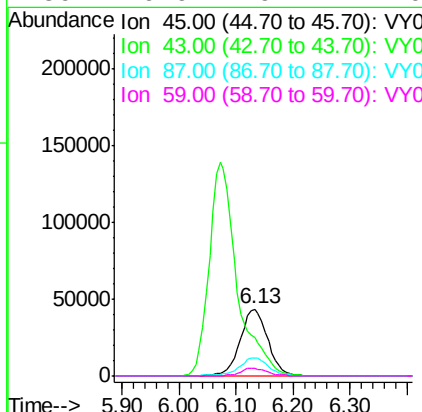
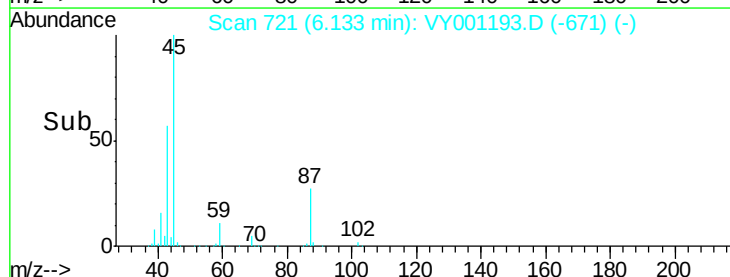
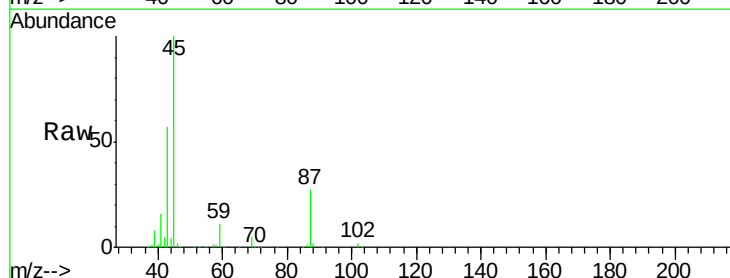
RT: 6.13 min Scan# 721

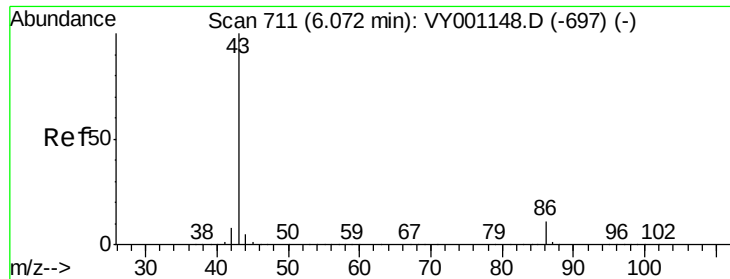
Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Tgt Ion:	45	Resp:	147023
Ion	Ratio	Lower	Upper
45	100		
43	56.4	46.5	69.7
87	27.1	22.5	33.7
59	10.9	9.4	14.0





#23

Vinyl Acetate

Concen: 107.981 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 43 Resp: 475674

Ion Ratio Lower Upper

43 100

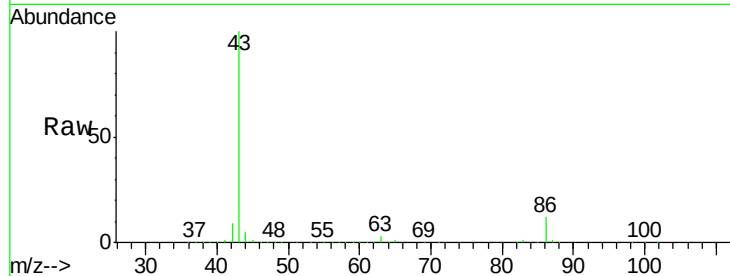
86 11.7 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

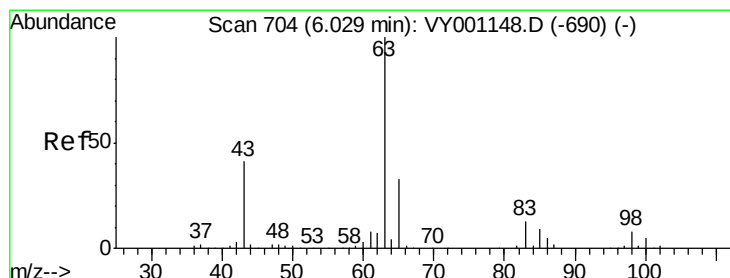
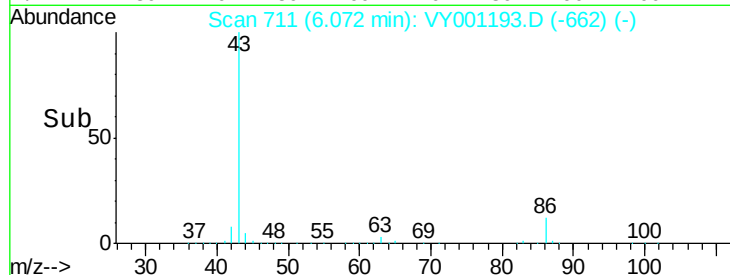
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.637 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

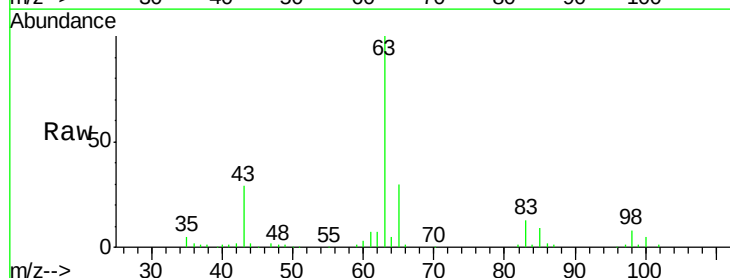
Tgt Ion: 63 Resp: 81589

Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

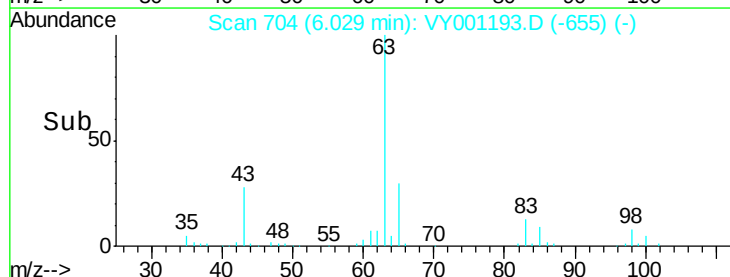
30000

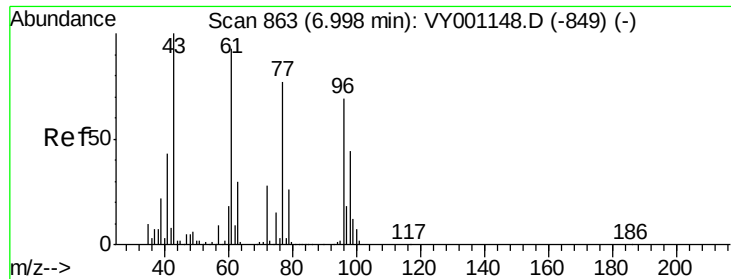
20000

10000

0

Time-->





#25

2-Butanone

Concen: 109.466 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 43 Resp: 81680

Ion Ratio Lower Upper

43 100

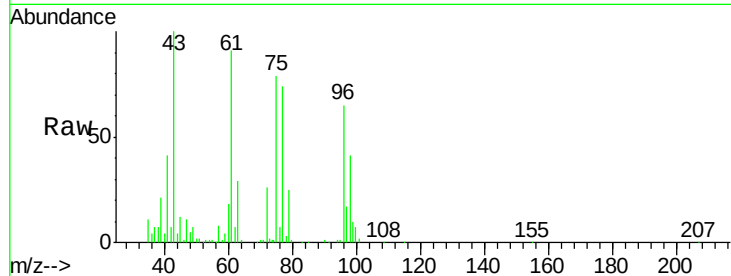
72 26.4 22.2 33.2

Manual Integrations

APPROVED

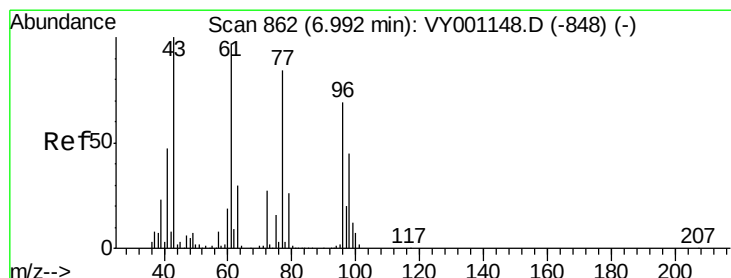
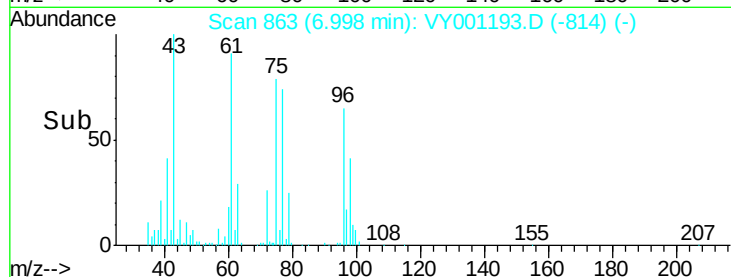
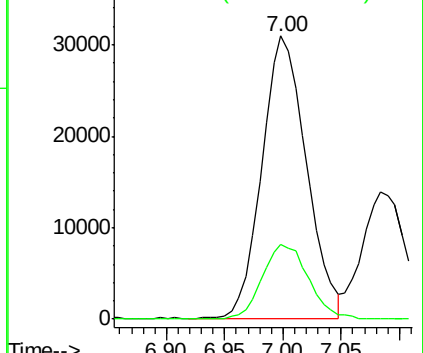
MMDadoda

1/15/2020 9:30:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.860 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001193.D

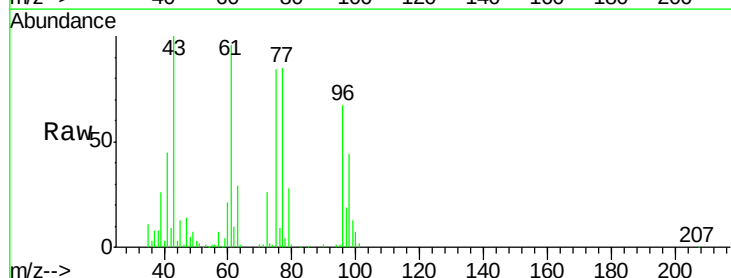
Acq: 14 Jan 2020 11:00

Tgt Ion: 77 Resp: 72335

Ion Ratio Lower Upper

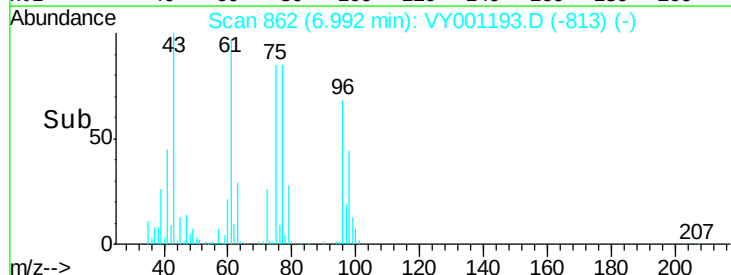
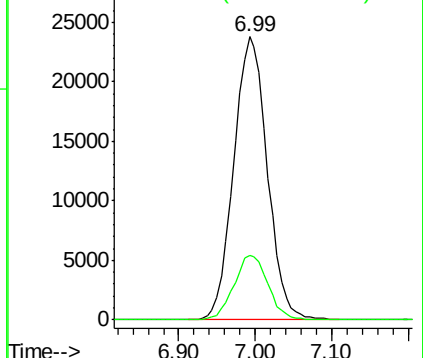
77 100

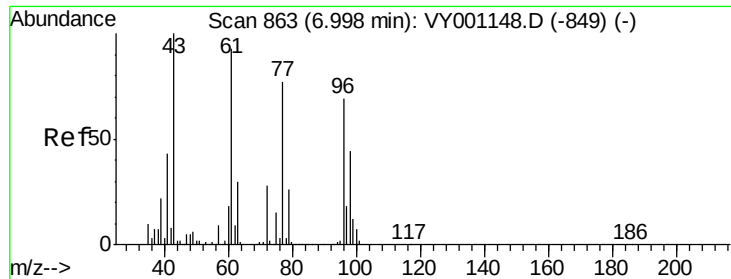
97 23.1 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

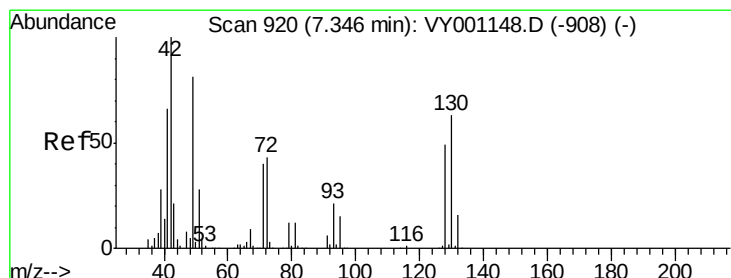
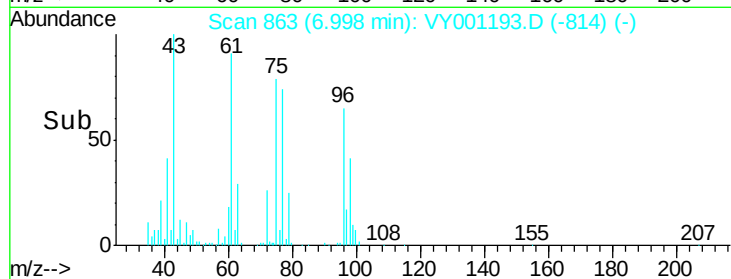
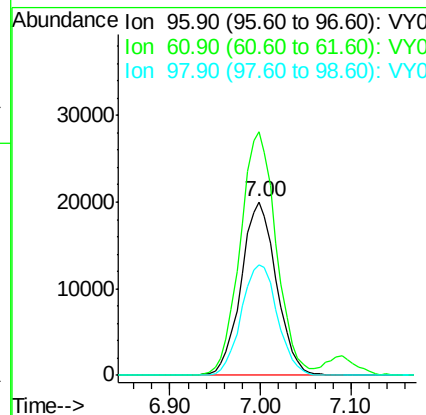
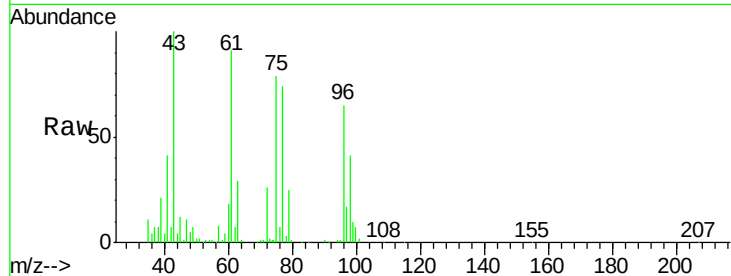
cis-1,2-Dichloroethene
Concen: 21.721 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	284.0	
98	65.5	0.0	130.2	

Manual Integrations
APPROVED

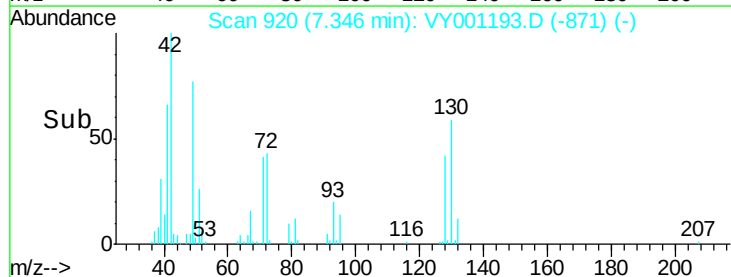
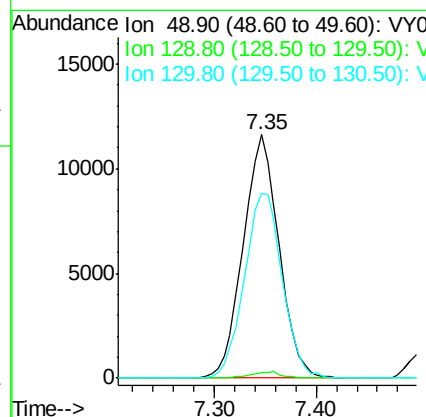
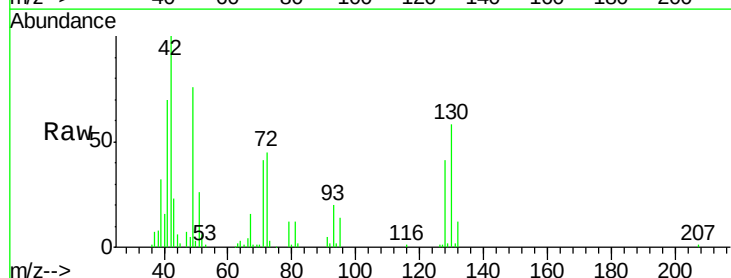
MMDadoda
1/15/2020 9:30:25 AM

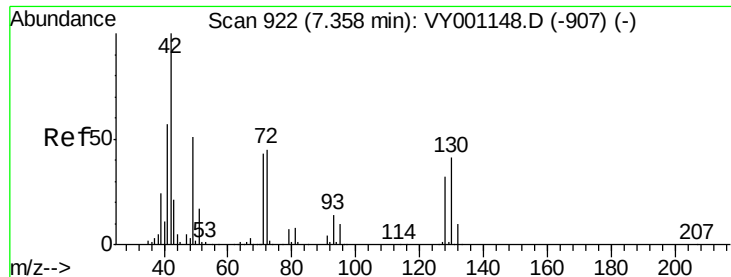


#28

Bromochloromethane
Concen: 18.331 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	80.0	61.2	91.8	





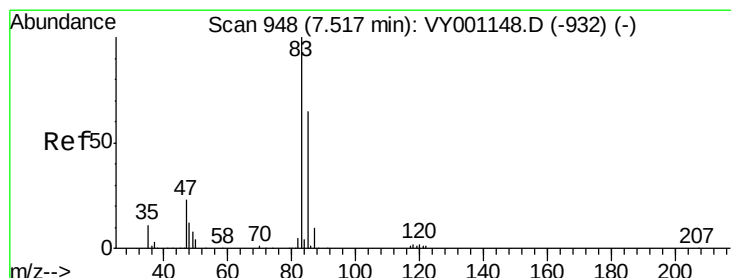
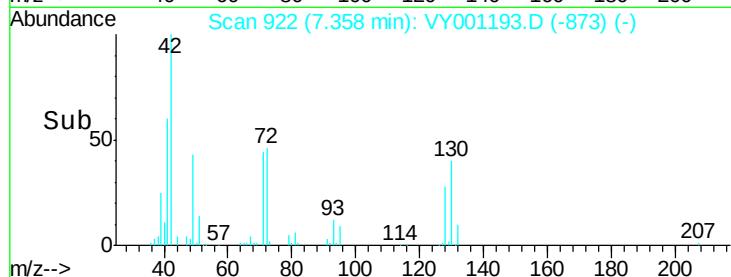
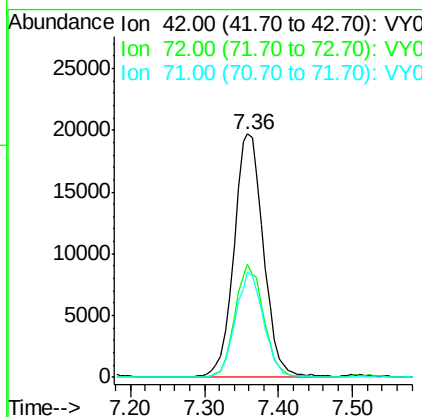
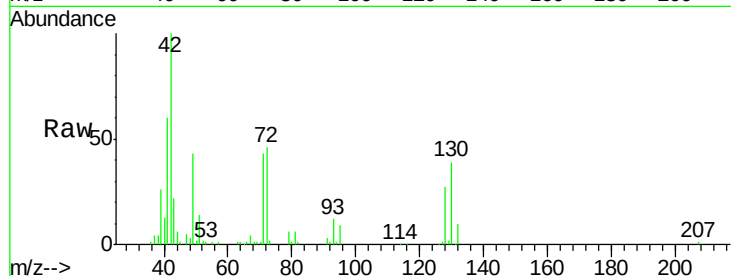
#29
Tetrahydrofuran
Concen: 106.806 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.9	55.3
71	41.4	34.0	51.0

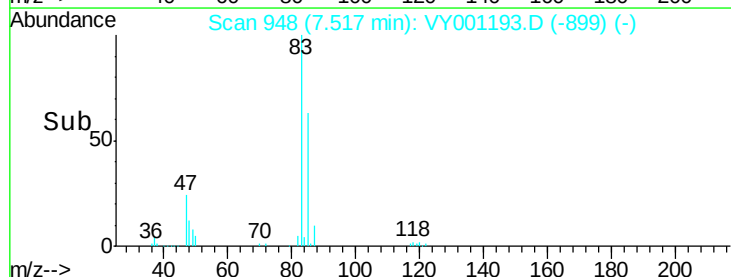
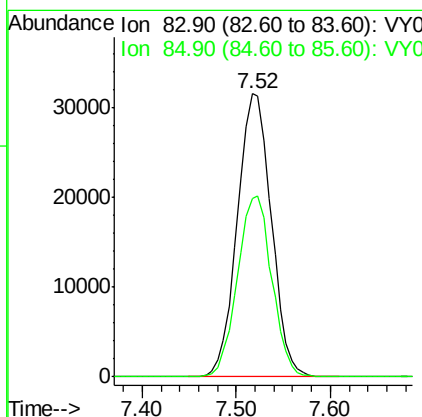
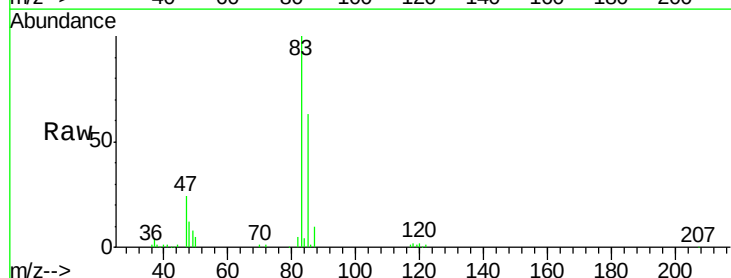
Manual Integrations
APPROVED

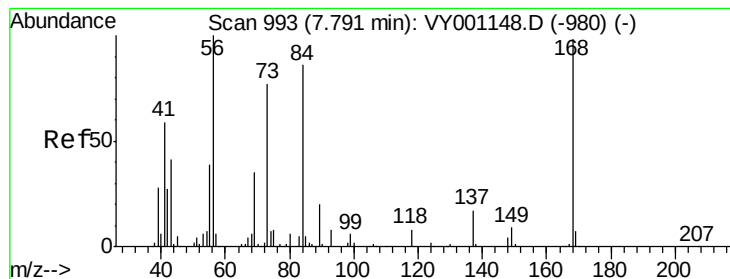
MMDadoda
1/15/2020 9:30:25 AM



#30
Chloroform
Concen: 21.486 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.9	77.9





#31

Cyclohexane

Concen: 19.933 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 56 Resp: 79583

Ion Ratio Lower Upper

56 100

69 40.2 27.8 41.8

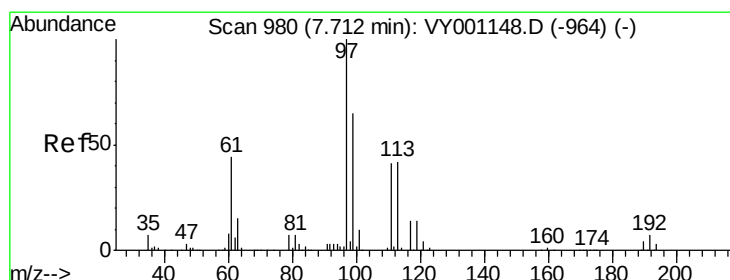
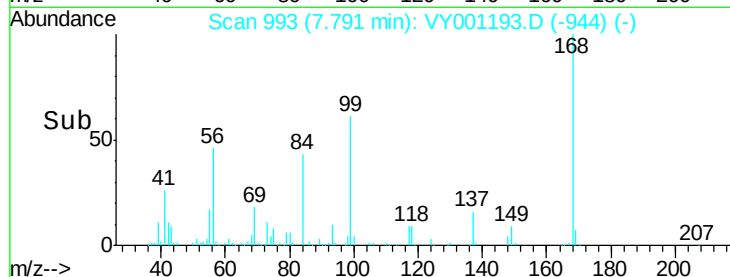
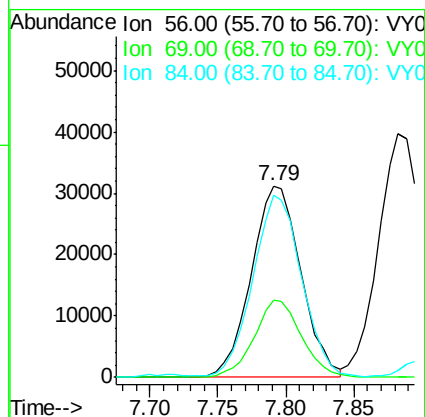
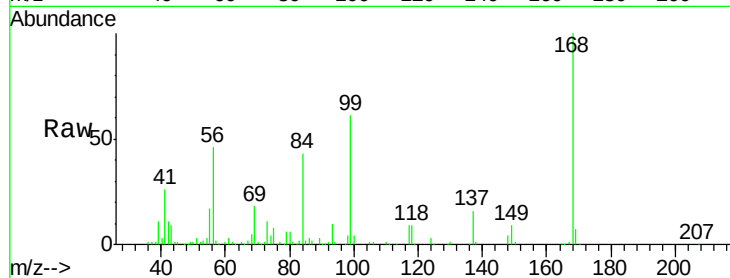
84 93.6 68.9 103.3

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



#32

1,1,1-Trichloroethane

Concen: 20.459 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

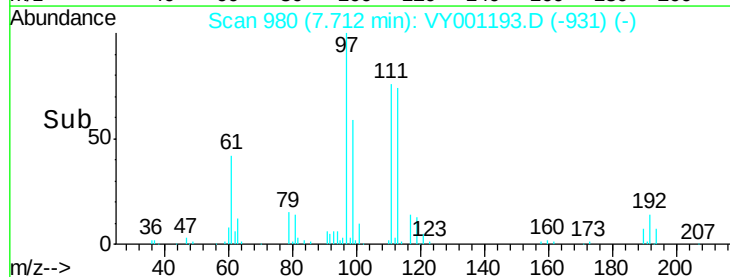
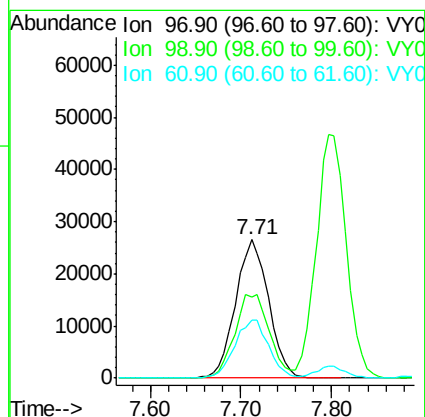
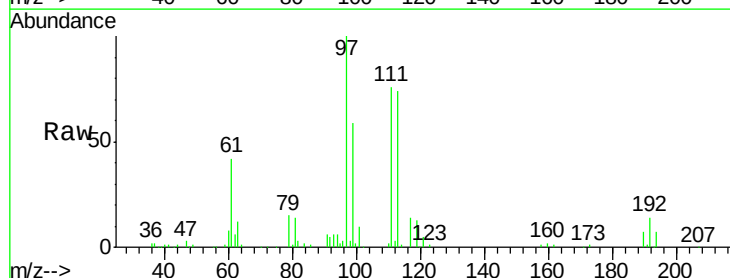
Tgt Ion: 97 Resp: 67073

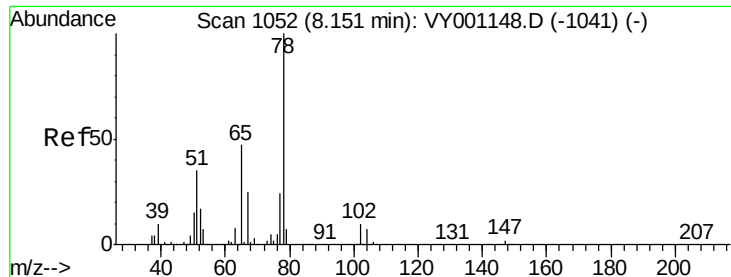
Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

61 43.1 34.6 52.0





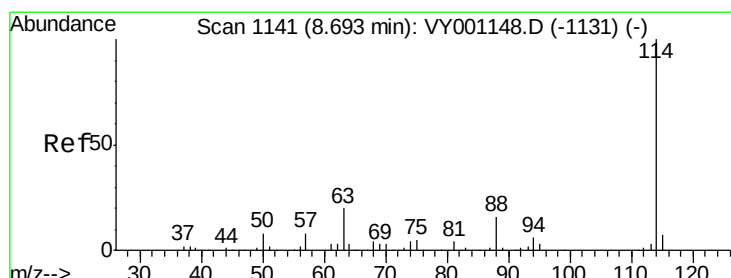
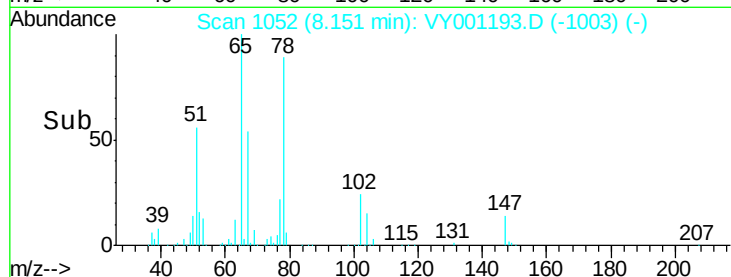
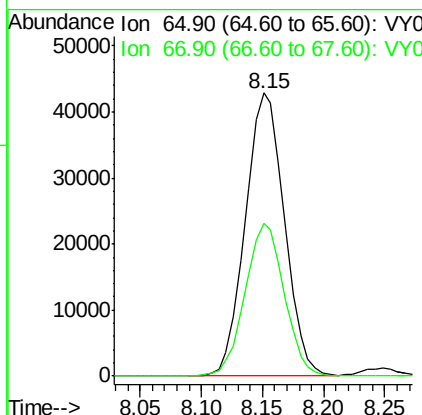
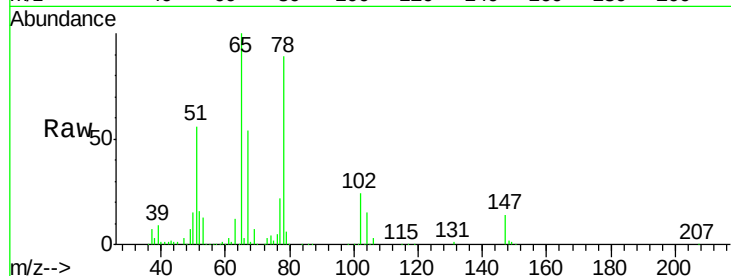
#33
 1,2-Dichloroethane-d4
 Concen: 46.218 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.2

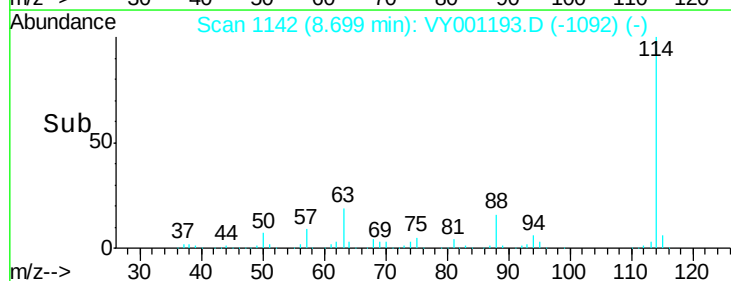
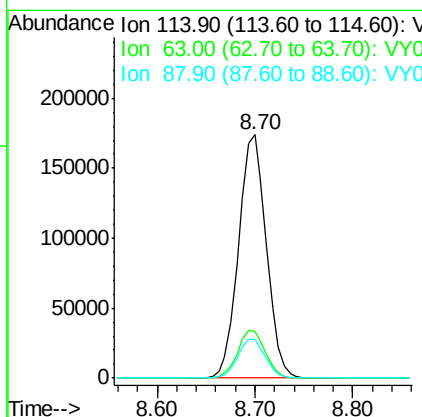
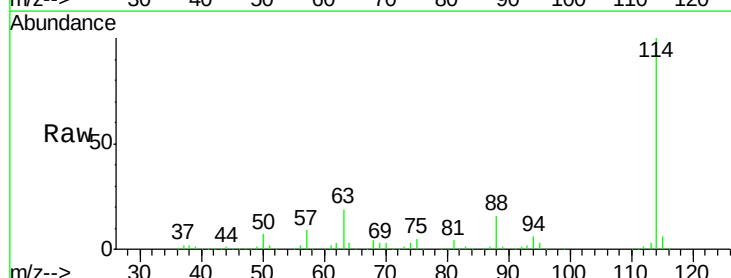
Manual Integrations
 APPROVED

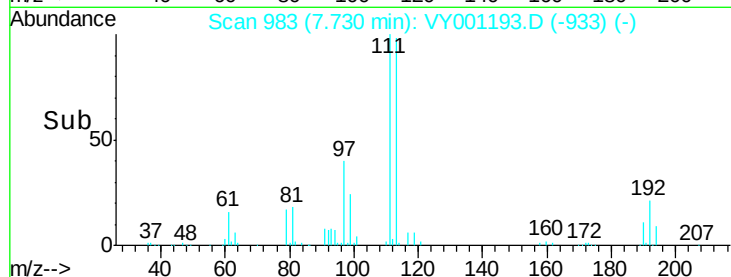
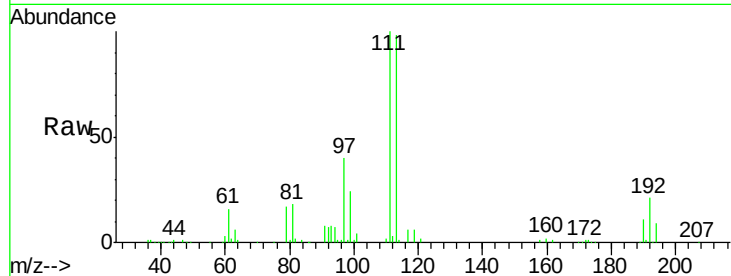
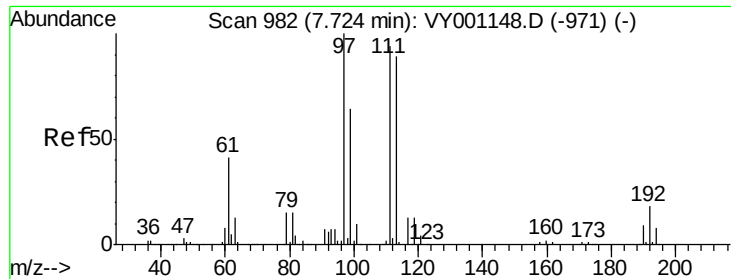
MMDadoda
 1/15/2020 9:30:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.8
88	15.9	0.0	32.4





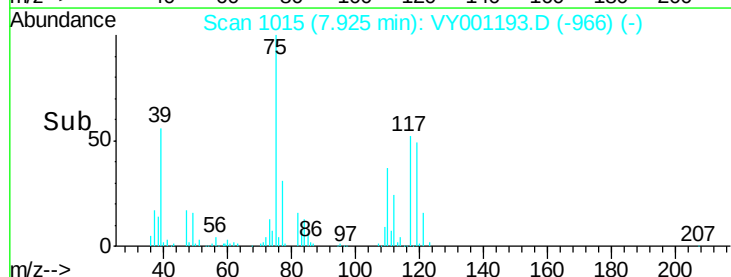
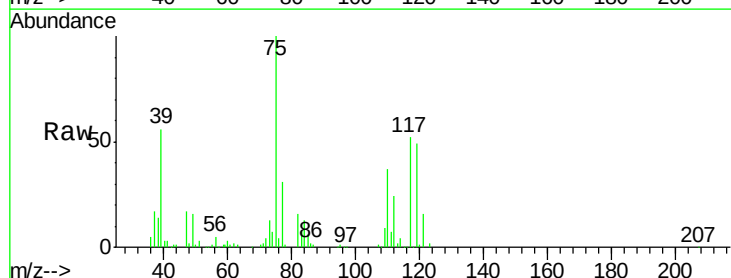
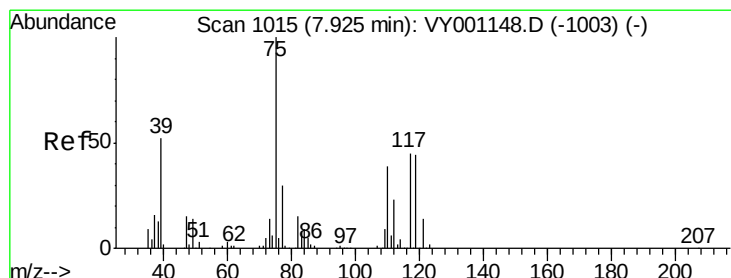
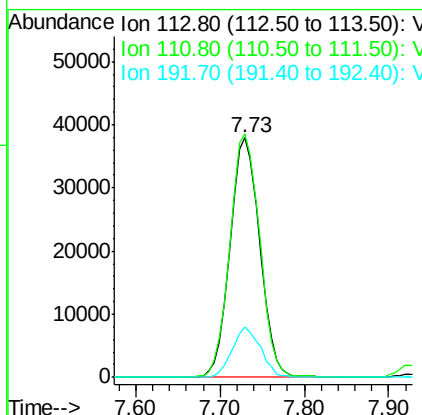
#35
 Dibromofluoromethane
 Concen: 45.232 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90485		
111	102.0		82.9	124.3
192	20.0		15.4	23.2

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

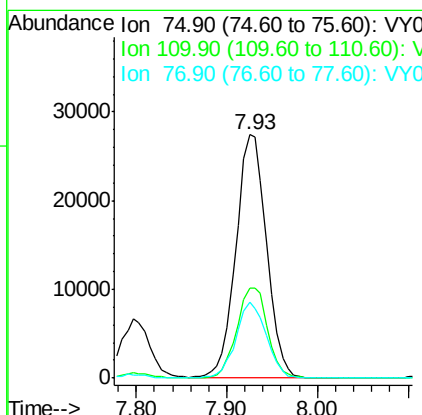
Manual Integrations
 APPROVED

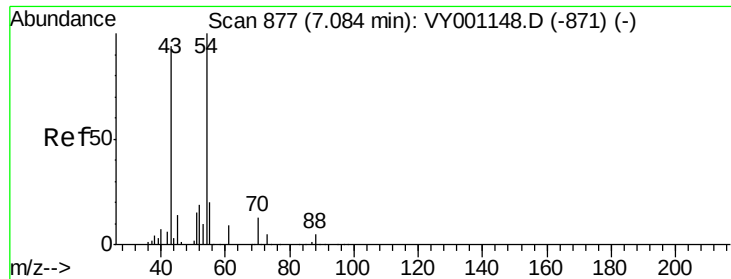
MMDadoda
 1/15/2020 9:30:25 AM



#36
 1,1-Dichloropropene
 Concen: 20.665 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64353		
110	36.9		18.3	54.8
77	31.0		25.1	37.7





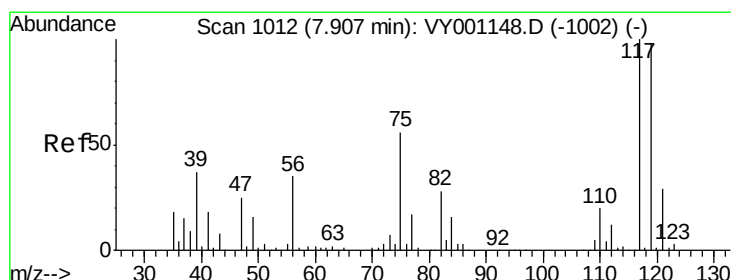
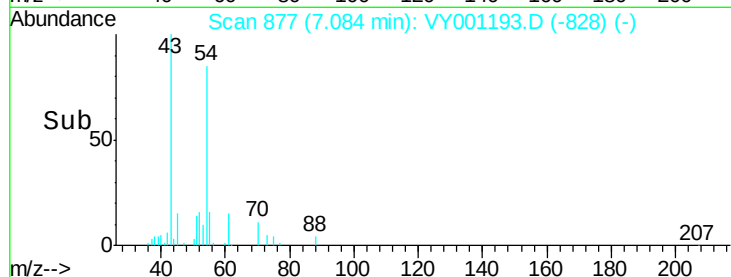
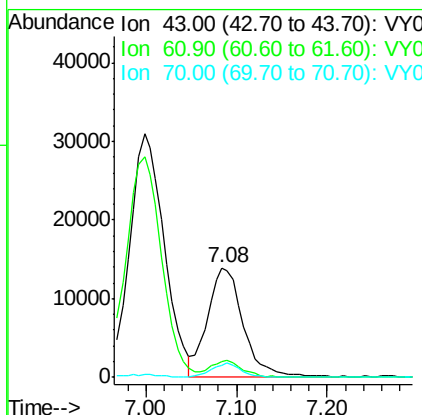
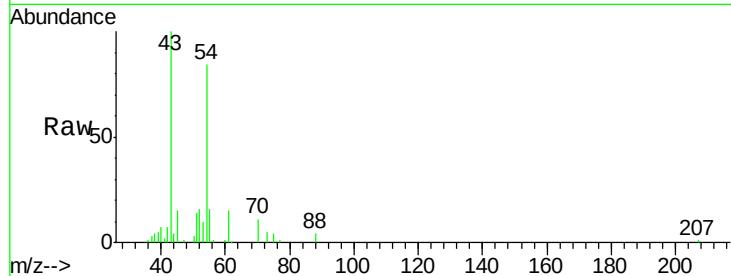
#37
Ethyl Acetate
Concen: 20.446 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	11.2	9.7	14.5

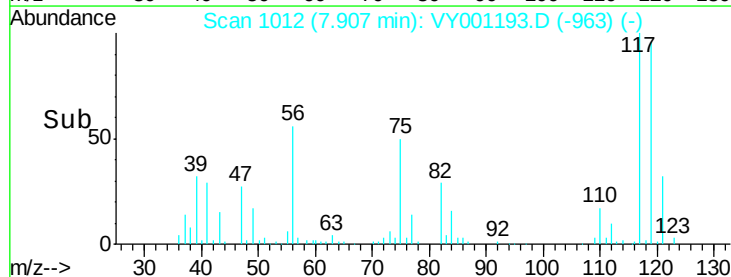
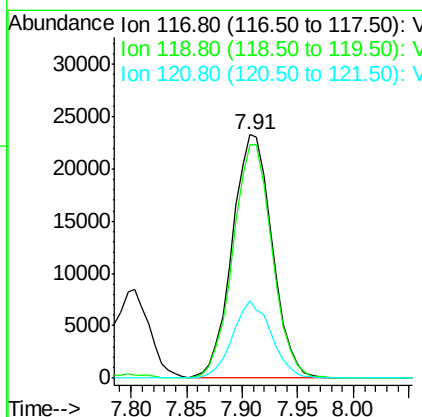
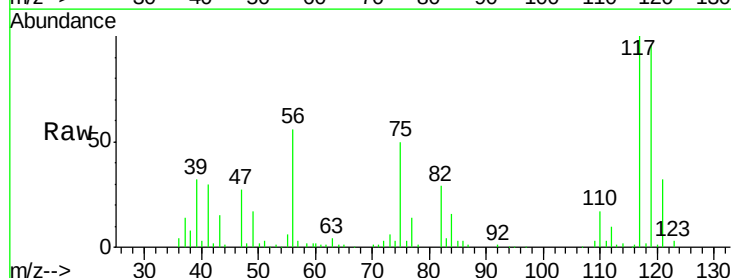
Manual Integrations
APPROVED

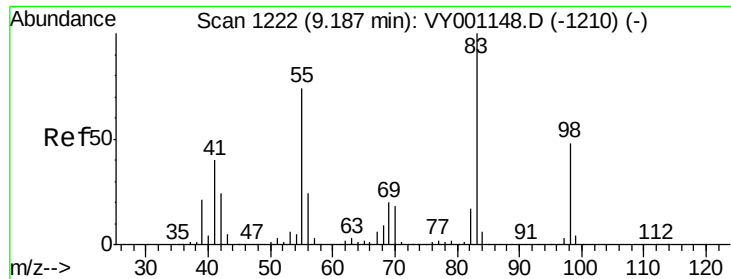
MMDadoda
1/15/2020 9:30:25 AM



#38
Carbon Tetrachloride
Concen: 20.307 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.3	117.5
121	31.6	23.5	35.3





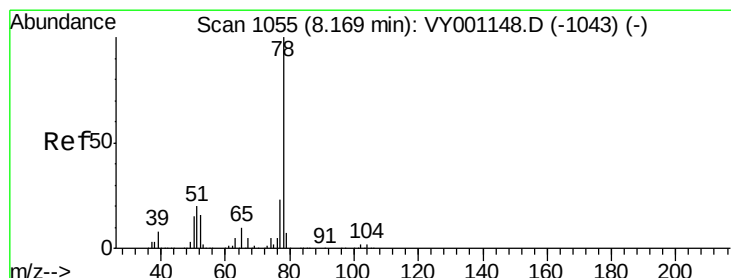
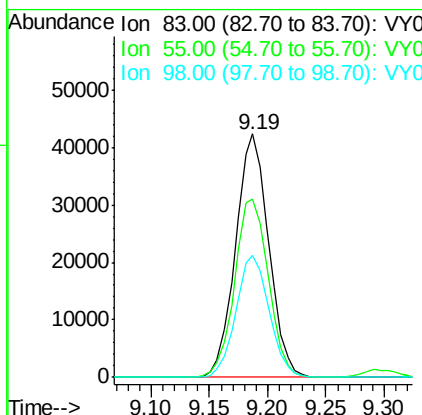
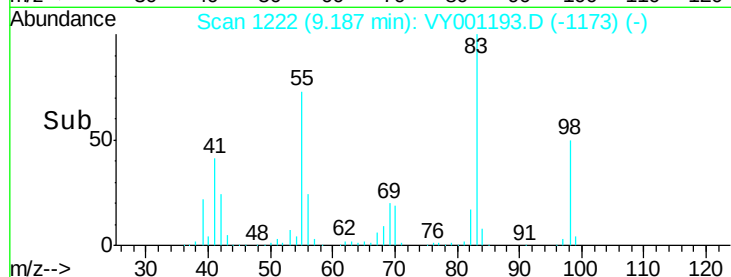
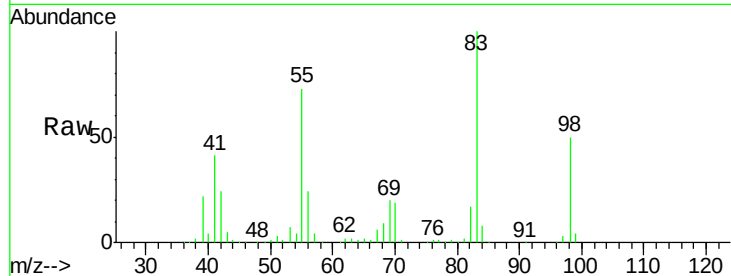
#39
Methylvlcyclohexane
Concen: 19.883 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.9	88.3
98	50.0	38.4	57.6

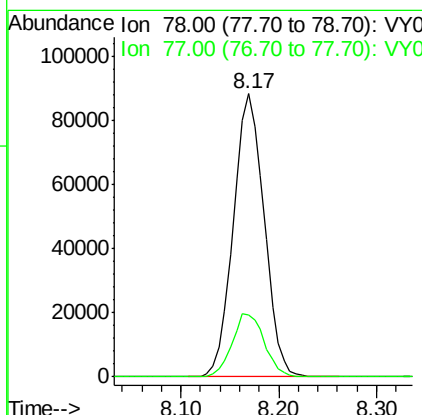
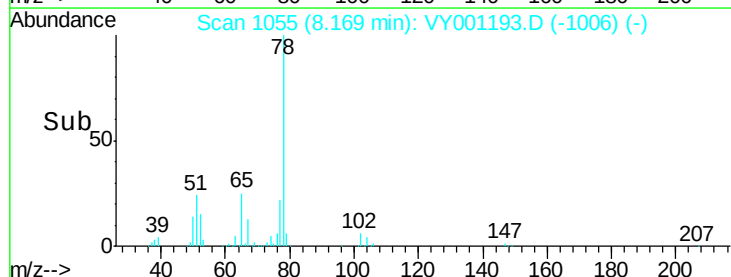
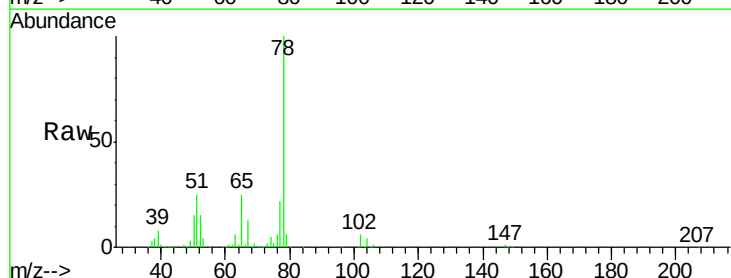
Manual Integrations
APPROVED

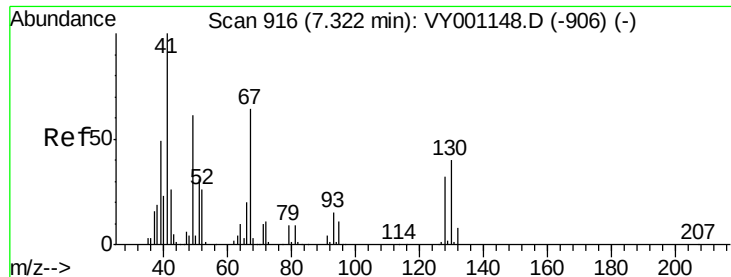
MMDadoda
1/15/2020 9:30:25 AM



#40
Benzene
Concen: 21.256 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2





#41

Methacrylonitrile

Concen: 23.297 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 41 Resp: 20000

Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

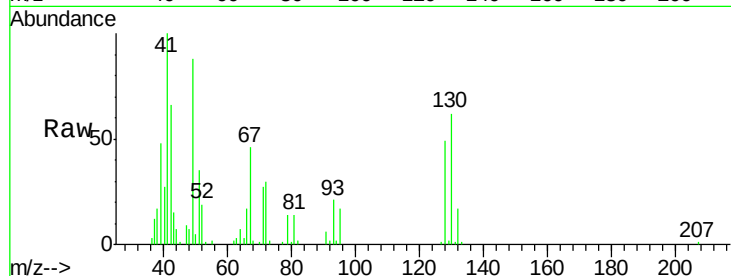
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

1/15/2020 9:30:25 AM

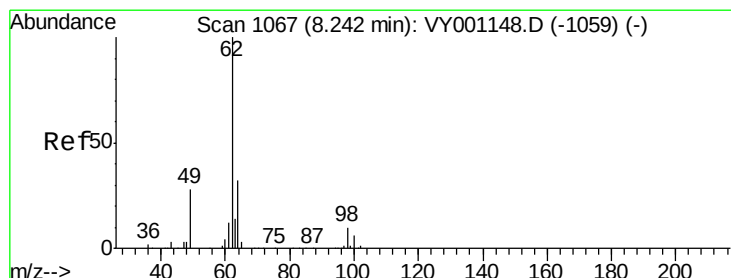
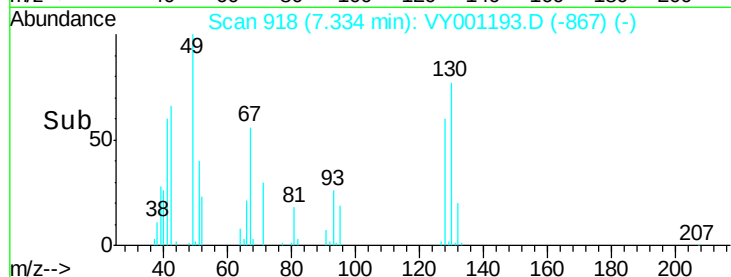
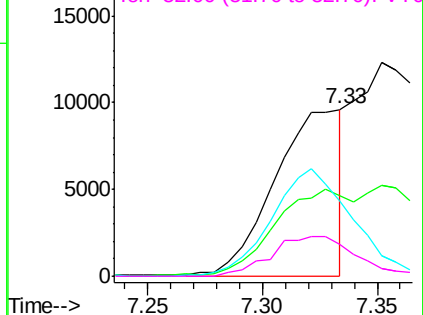


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.649 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY001193.D

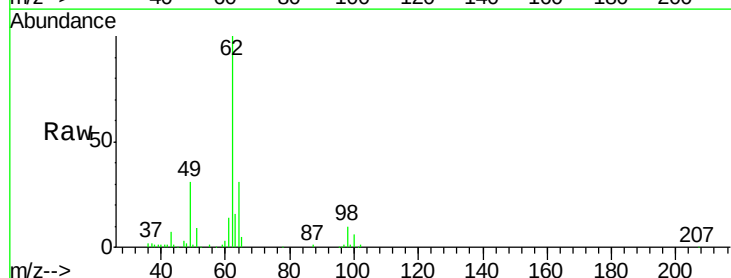
Acq: 14 Jan 2020 11:00

Tgt Ion: 62 Resp: 52560

Ion Ratio Lower Upper

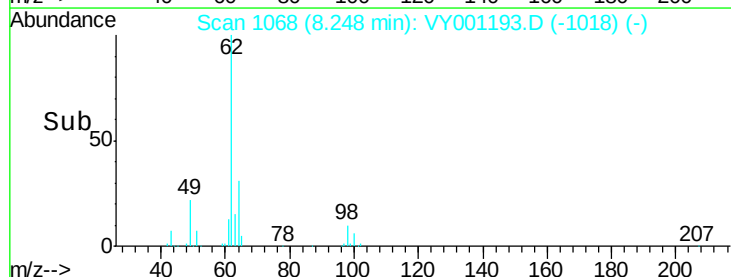
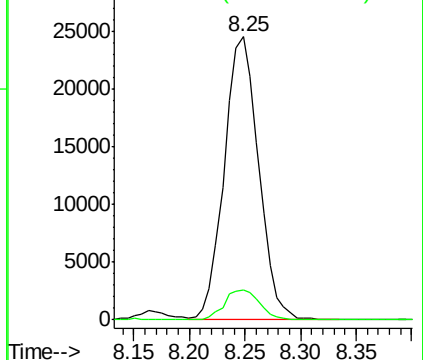
62 100

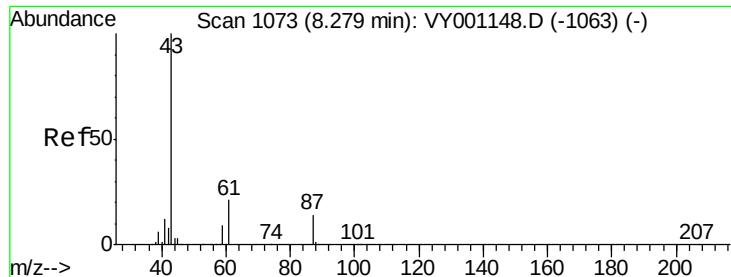
98 10.8 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 20.333 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

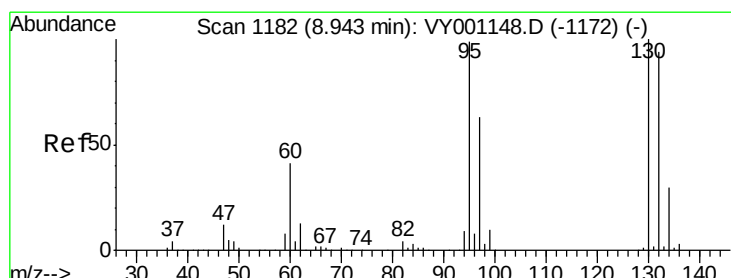
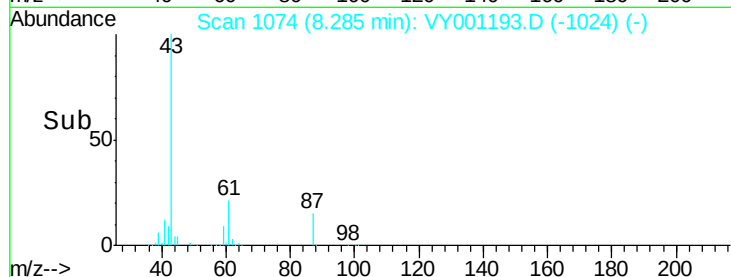
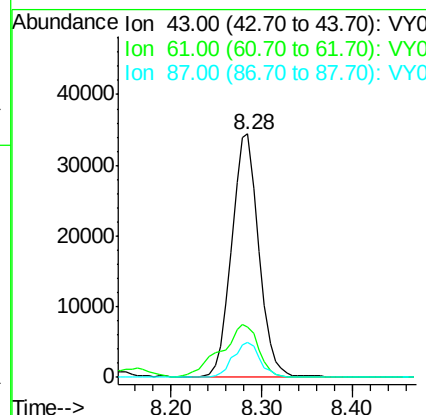
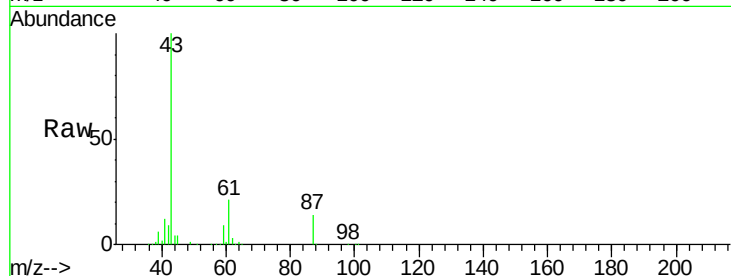
ClientSampleId :

VY0114SBS01

Tot Ion:	43	Resp:	71057
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.9	35.9
87	14.3	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#44

Trichloroethene

Concen: 21.303 ug/l

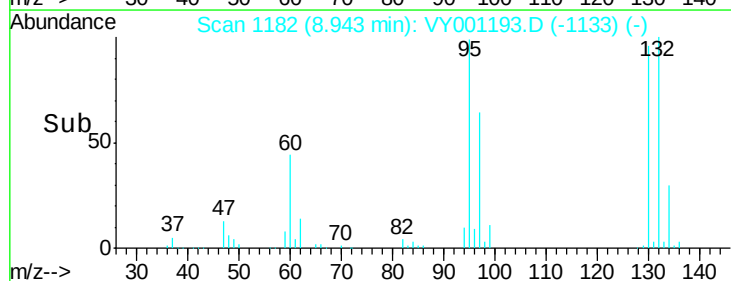
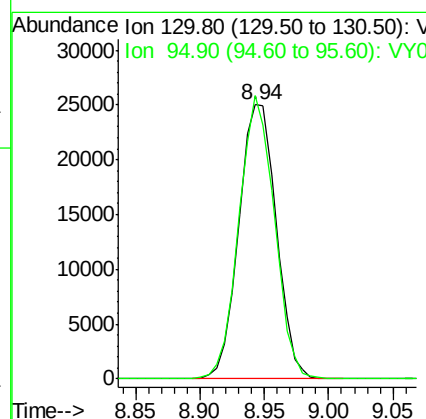
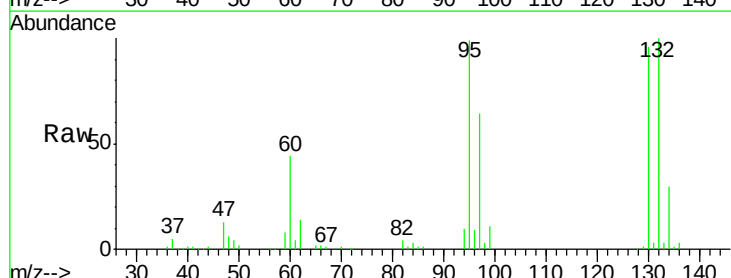
RT: 8.94 min Scan# 1182

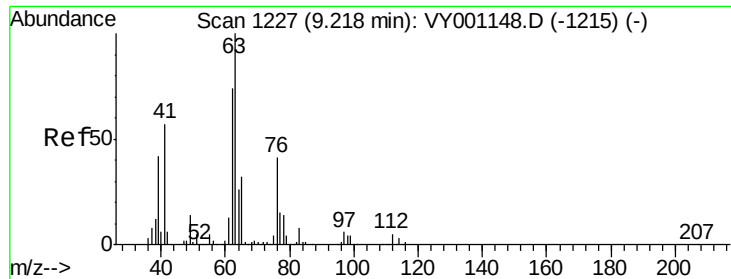
Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Tgt Ion:	130	Resp:	50460
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	197.6





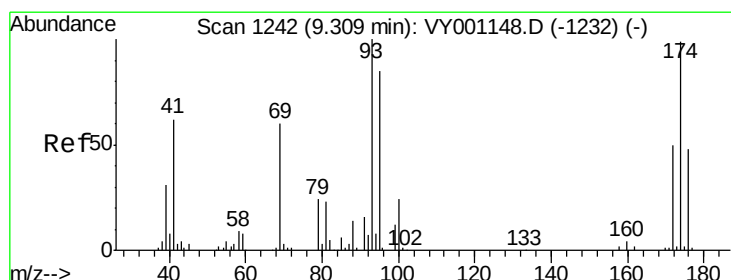
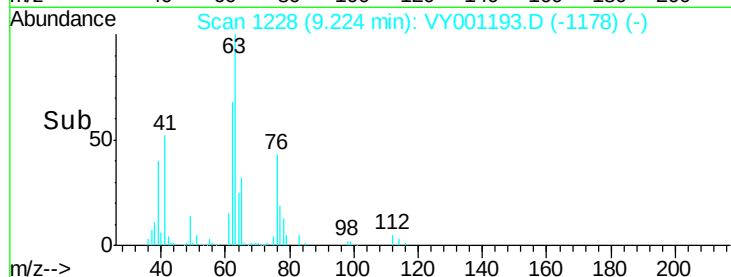
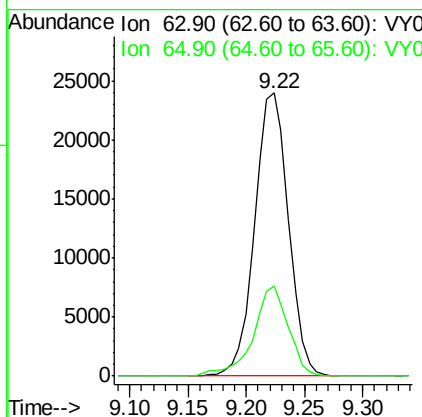
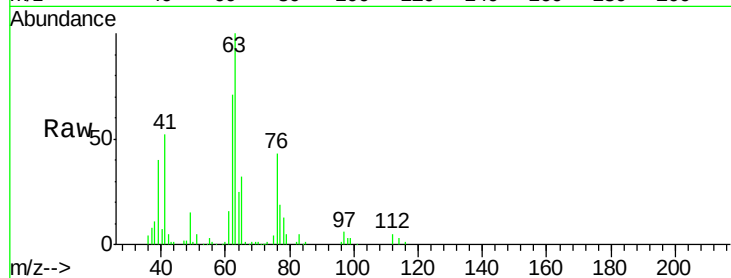
#45
 1,2-Dichloropropane
 Concen: 21.396 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBSD01

Tot Ion: 63 Resp: 48083
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.8 38.8

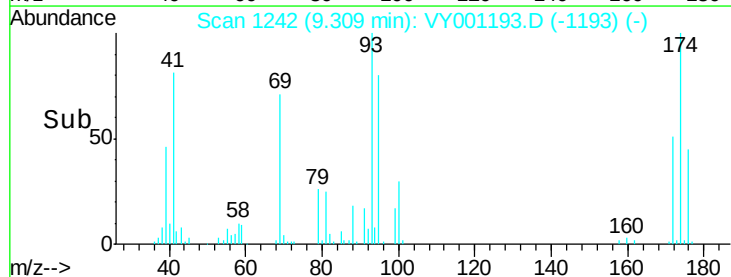
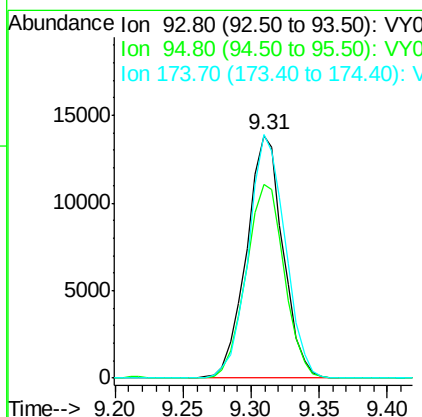
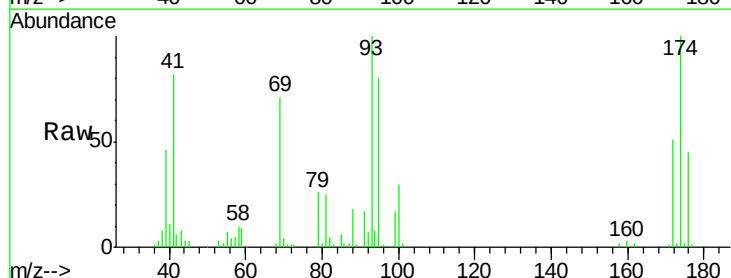
Manual Integrations
 APPROVED

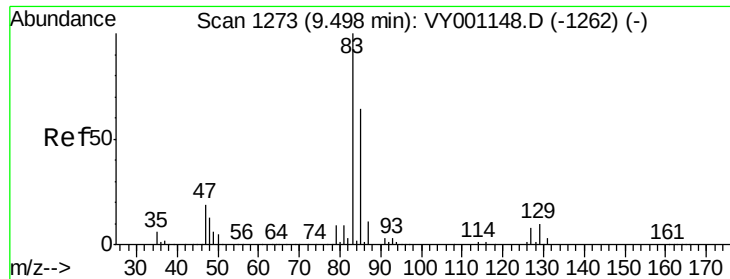
MMDadoda
 1/15/2020 9:30:25 AM



#46
 Dibromomethane
 Concen: 21.150 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion: 93 Resp: 25934
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.8 100.2
 174 101.1 78.4 117.6





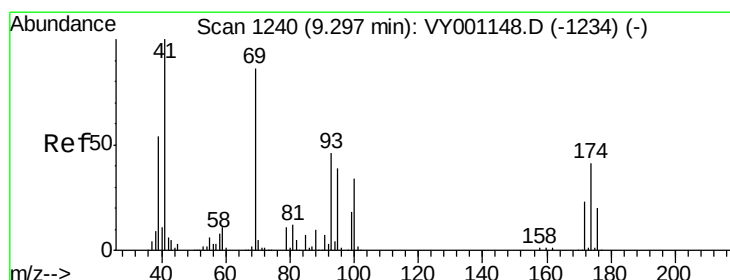
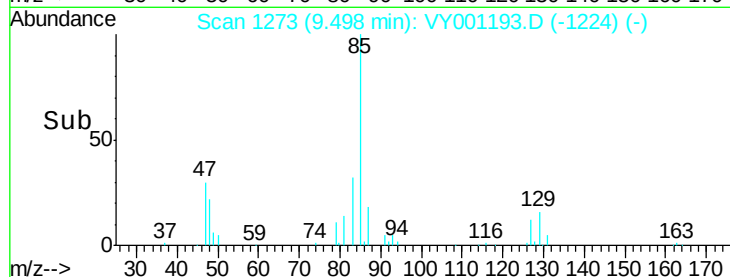
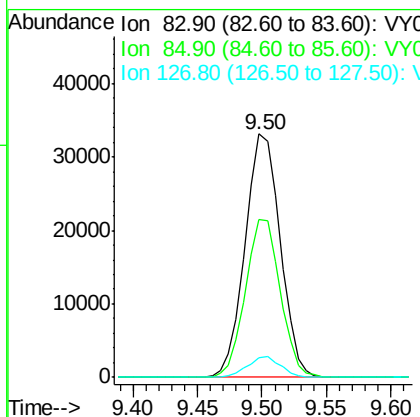
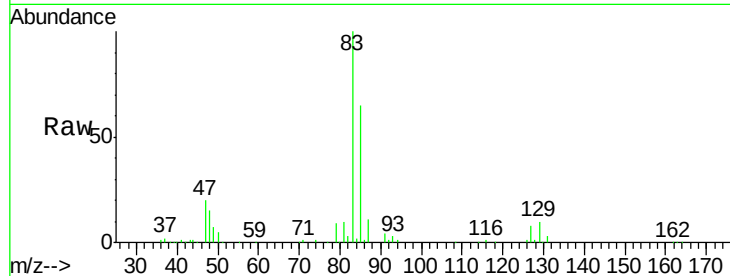
#47
Bromodichloromethane
Concen: 20.903 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	83	Resp	62464
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.5	77.3
127	8.0	6.3	9.5

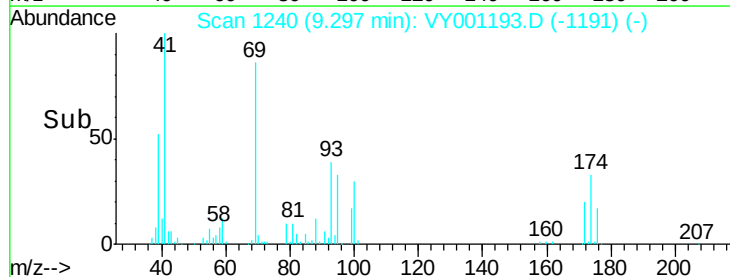
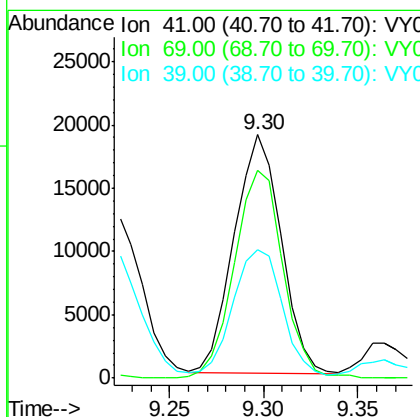
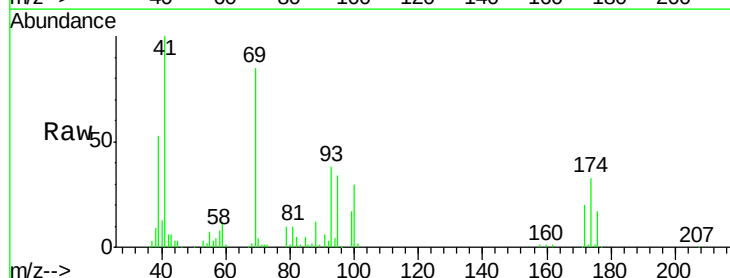
Manual Integrations
APPROVED

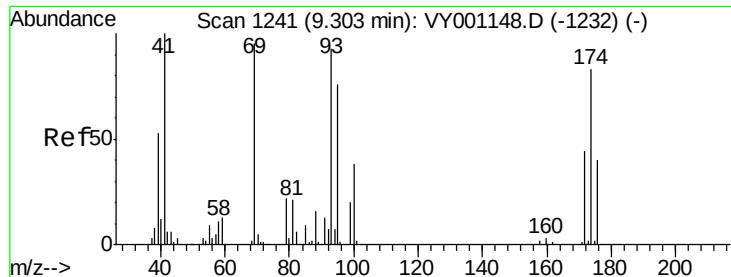
MMDadoda
1/15/2020 9:30:25 AM



#48
Methyl methacrylate
Concen: 20.211 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	41	Resp	32685
Ion Ratio	100	Lower	Upper
41	100		
69	89.8	69.8	104.8
39	57.1	45.2	67.8





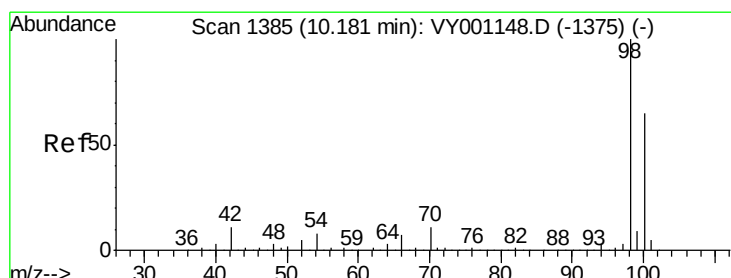
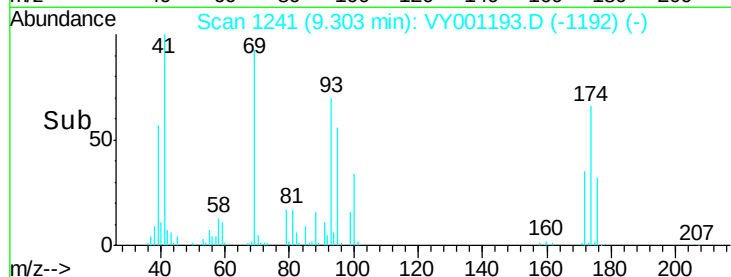
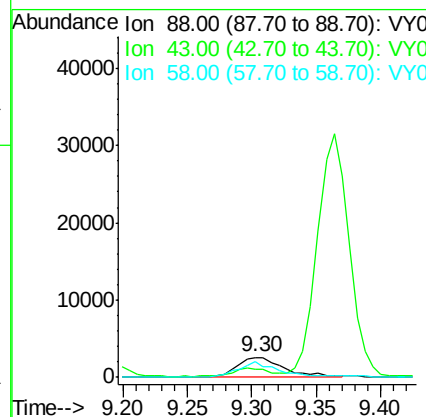
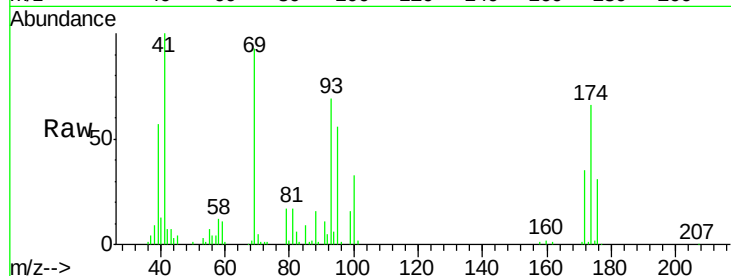
#49
1,4-Dioxane
Concen: 439.577 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	88	Resp	6564
Ion	Ratio	Lower	Upper
88	100		
43	37.8	22.4	33.6#
58	68.3	58.0	87.0

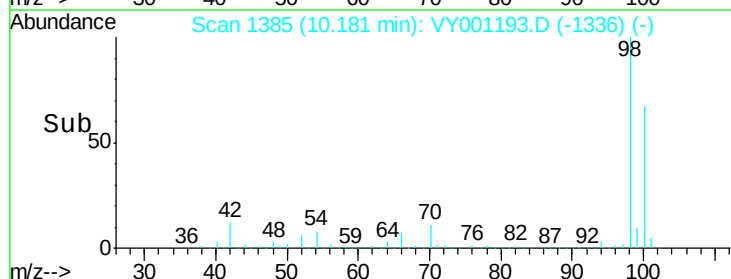
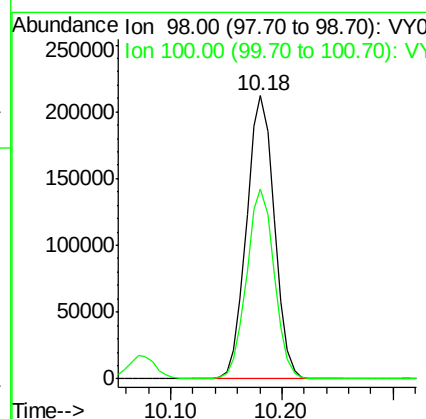
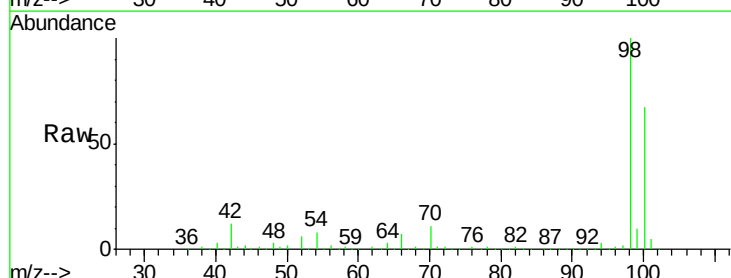
Manual Integrations
APPROVED

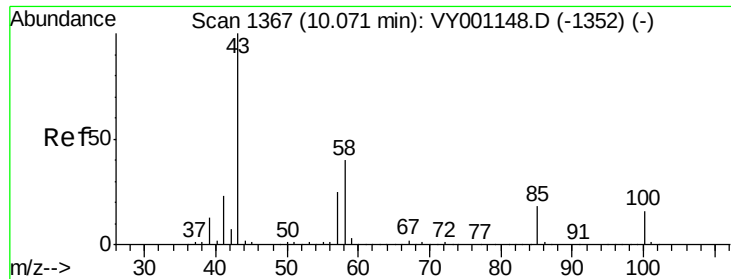
MMDadoda
1/15/2020 9:30:25 AM



#50
Toluene-d8
Concen: 47.662 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	98	Resp	367388
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





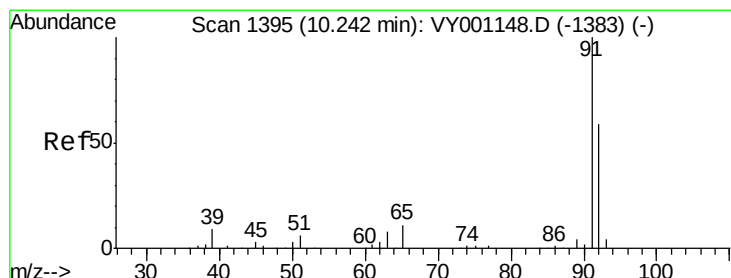
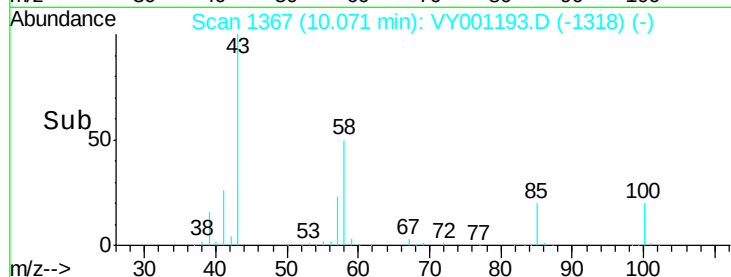
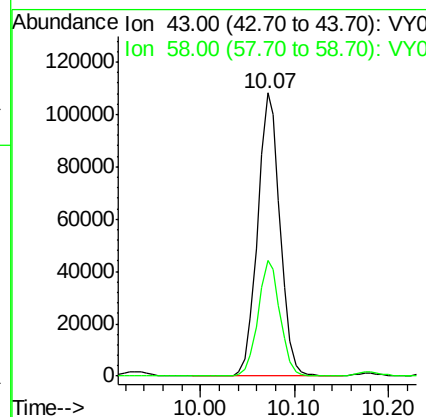
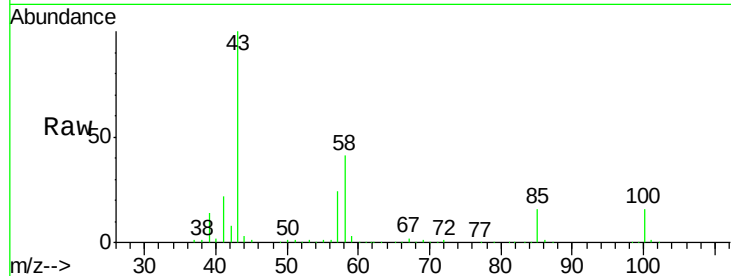
#51
4-Methyl-2-Pentanone
Concen: 102.121 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion: 43 Resp: 181087
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5

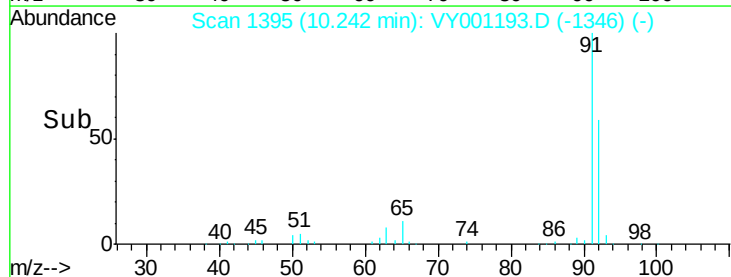
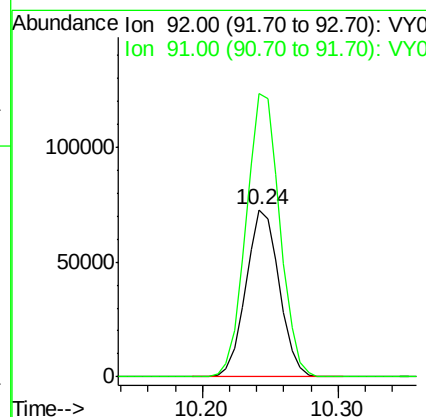
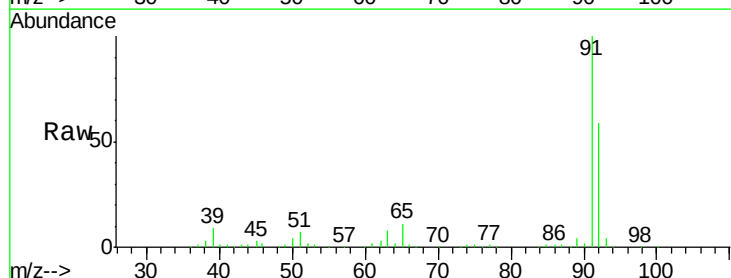
Manual Integrations
APPROVED

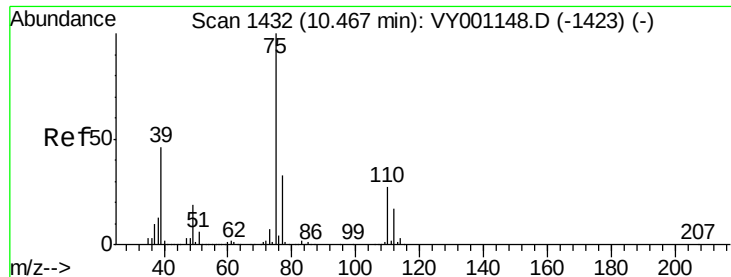
MMDadoda
1/15/2020 9:30:25 AM



#52
Toluene
Concen: 21.440 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion: 92 Resp: 124305
Ion Ratio Lower Upper
92 100
91 171.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.565 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 75 Resp: 68767

Ion Ratio Lower Upper

75 100

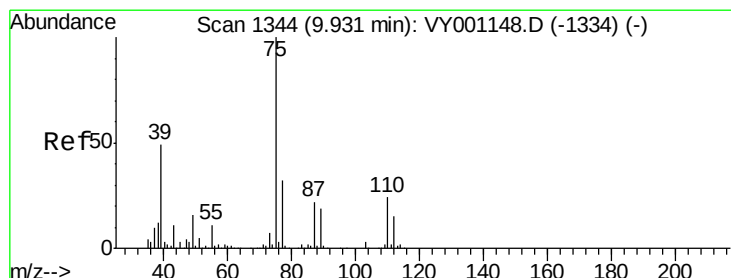
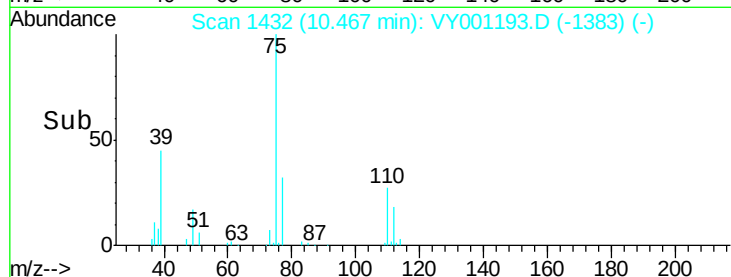
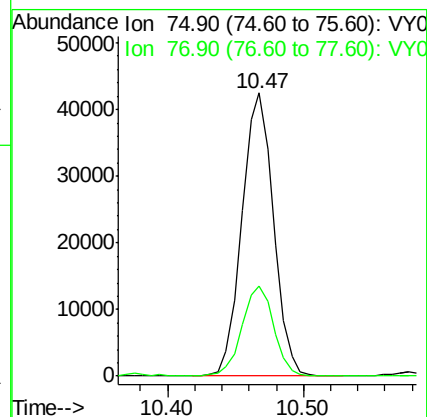
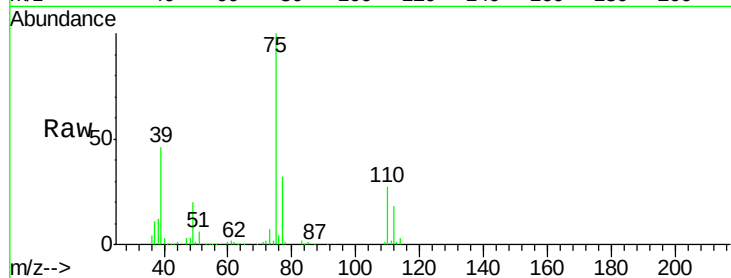
77 31.7 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



#54

cis-1,3-Dichloropropene

Concen: 21.217 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

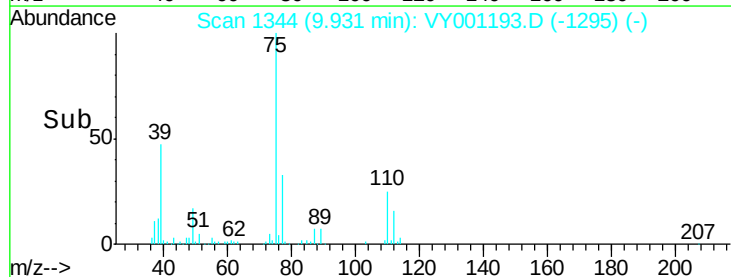
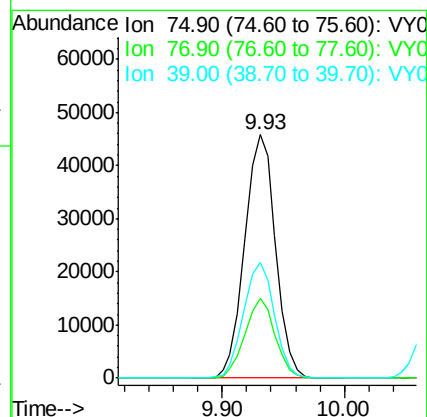
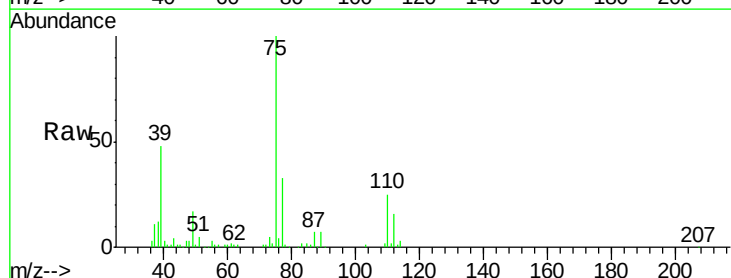
Tgt Ion: 75 Resp: 79991

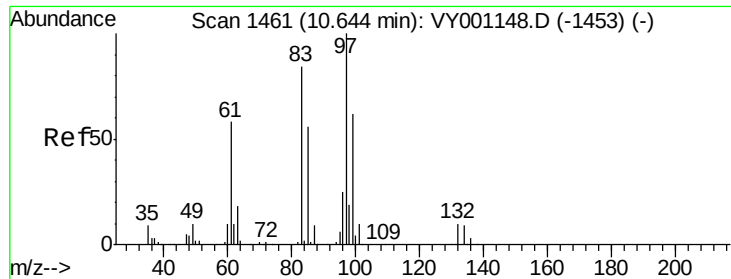
Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9

39 47.6 39.1 58.7





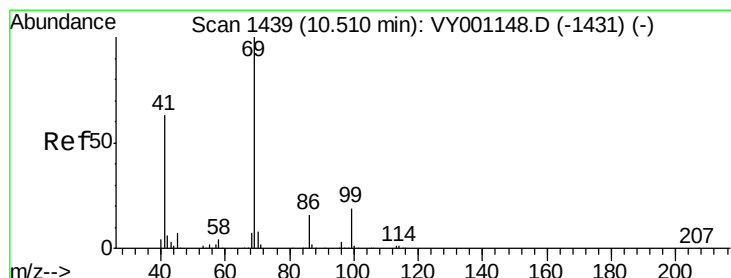
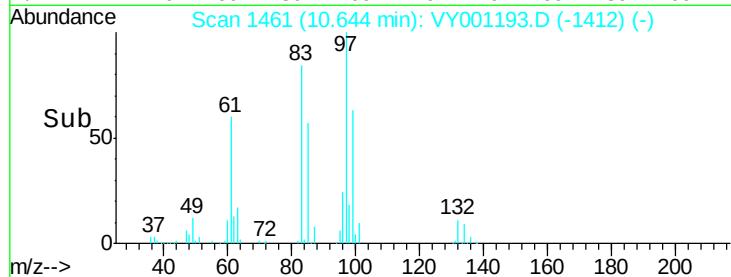
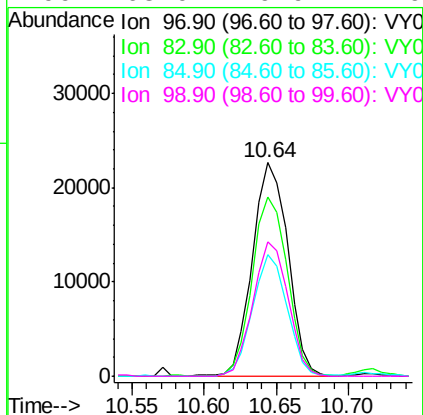
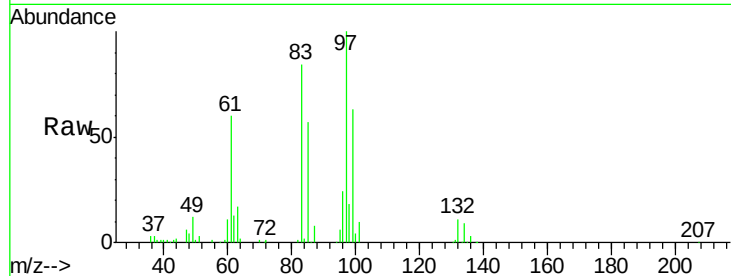
#55
 1,1,2-Trichloroethane
 Concen: 21.272 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	38668		
83	84.2	67.2	100.8	
85	56.8	44.9	67.3	
99	63.0	49.9	74.9	

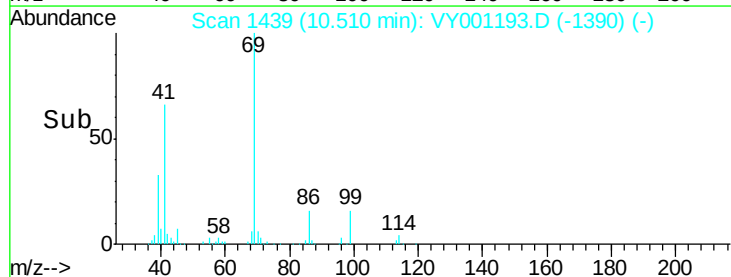
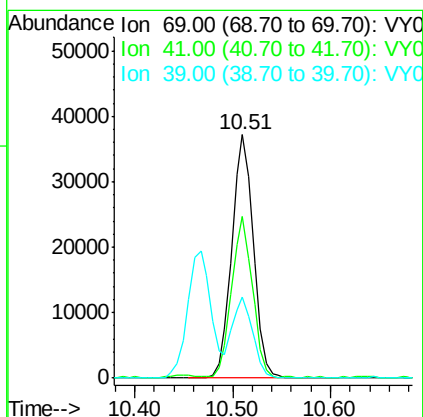
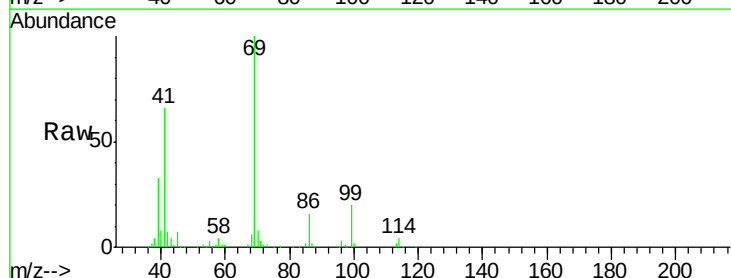
Manual Integrations
 APPROVED

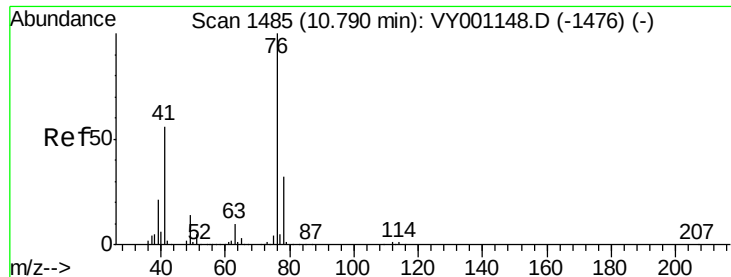
MMDadoda
 1/15/2020 9:30:25 AM



#56
 Ethyl methacrylate
 Concen: 20.503 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	57011		
41	63.8	51.4	77.2	
39	30.7	26.3	39.5	





#57

1,3-Dichloropropane

Concen: 21.525 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 76 Resp: 67172

Ion Ratio Lower Upper

76 100

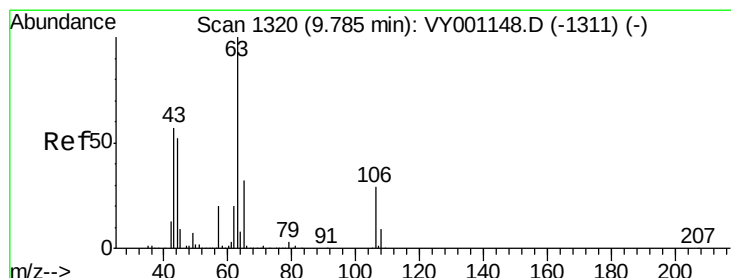
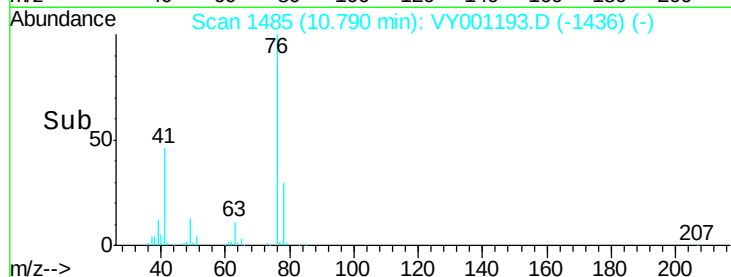
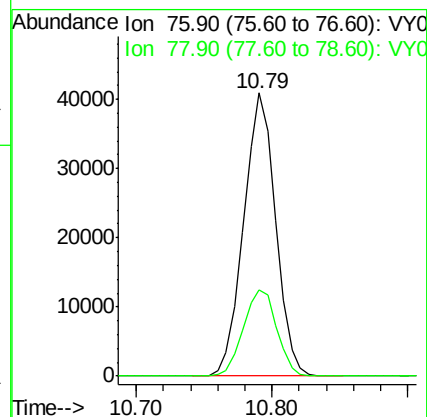
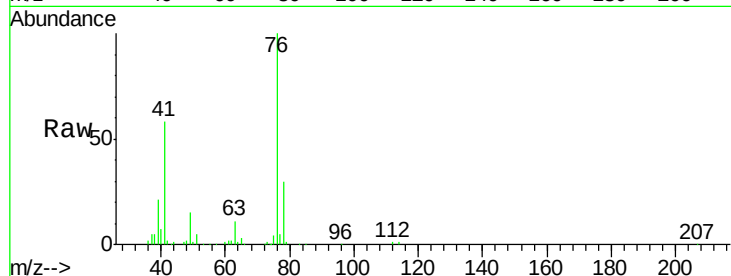
78 31.9 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.262 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001193.D

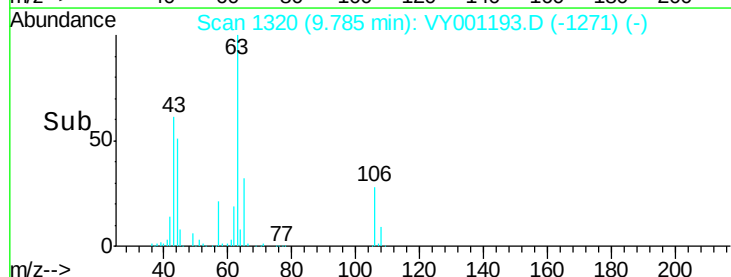
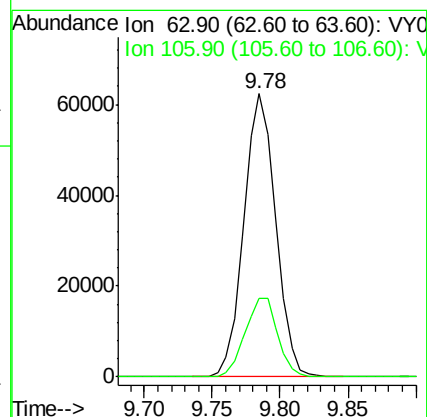
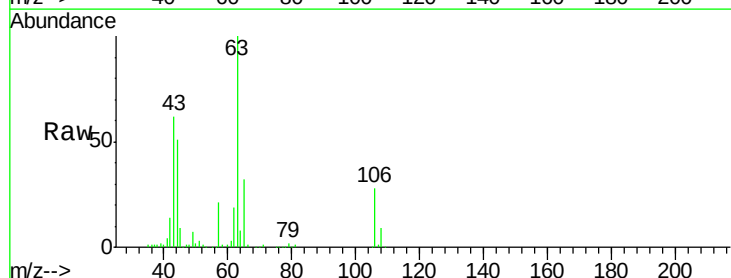
Acq: 14 Jan 2020 11:00

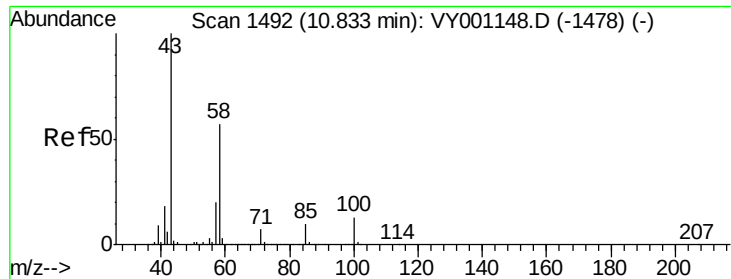
Tgt Ion: 63 Resp: 101966

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6





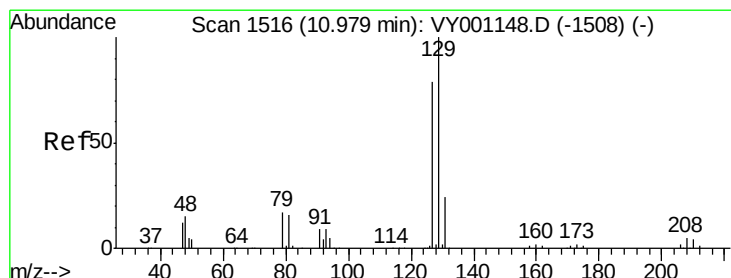
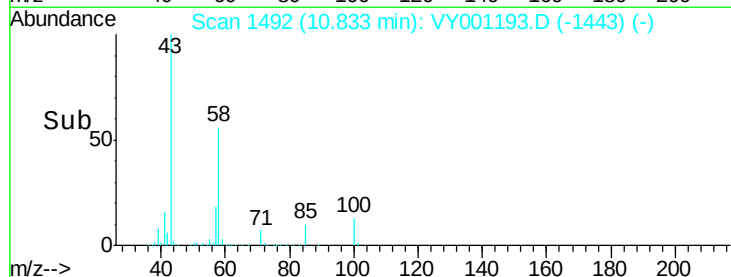
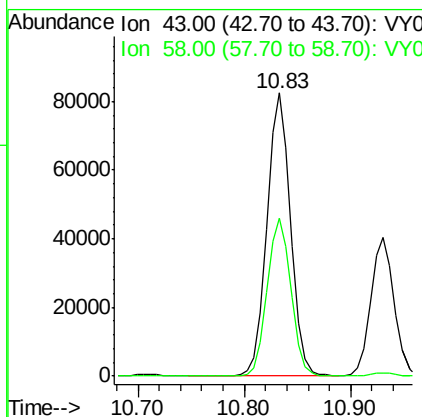
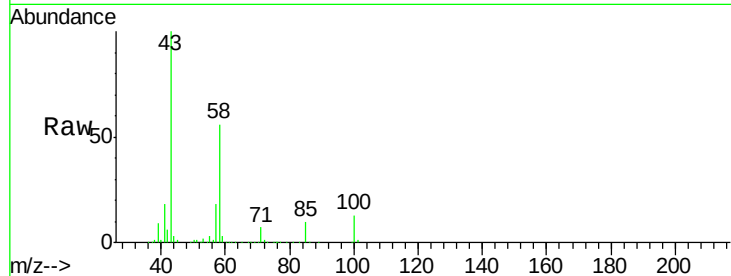
#59
2-Hexanone
Concen: 102.884 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion: 43 Resp: 127860
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2

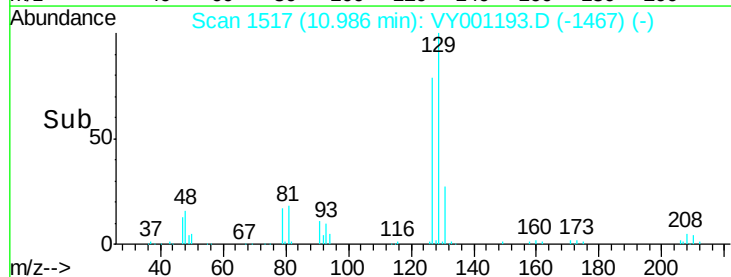
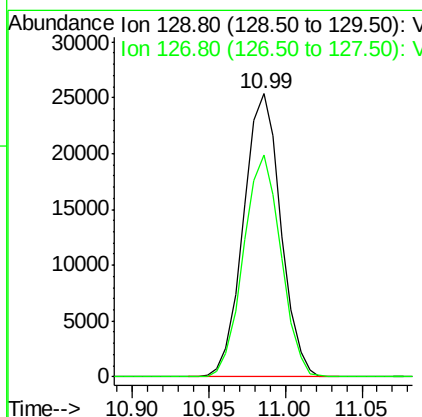
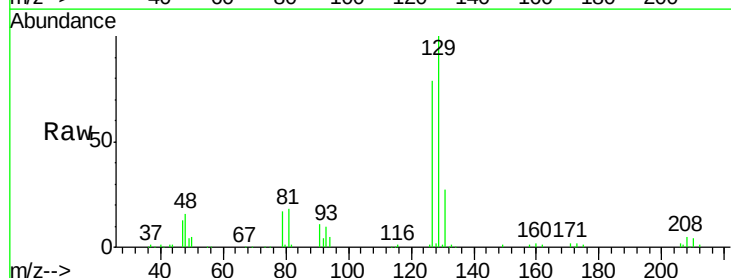
Manual Integrations
APPROVED

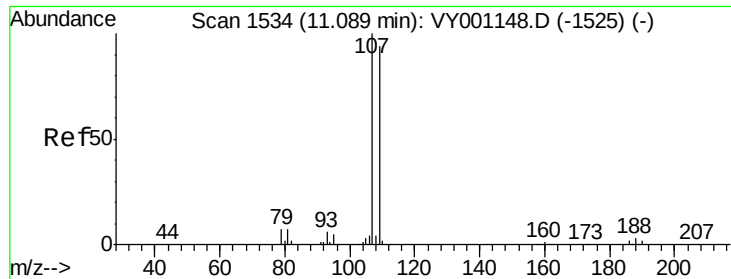
MMDadoda
1/15/2020 9:30:25 AM



#60
Dibromochloromethane
Concen: 20.575 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion: 129 Resp: 43063
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7





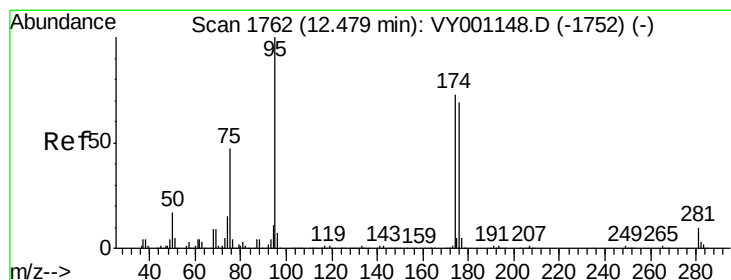
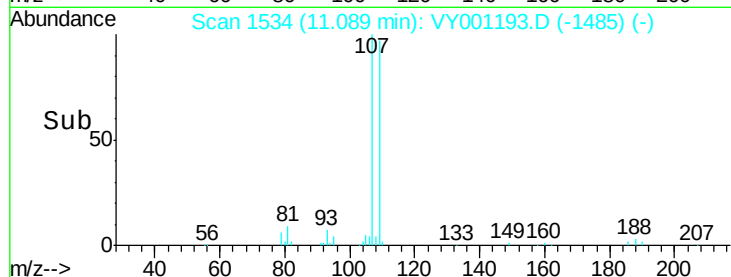
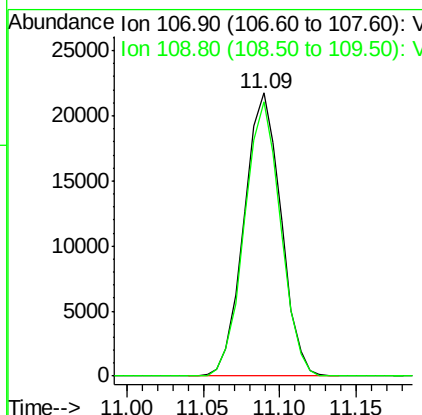
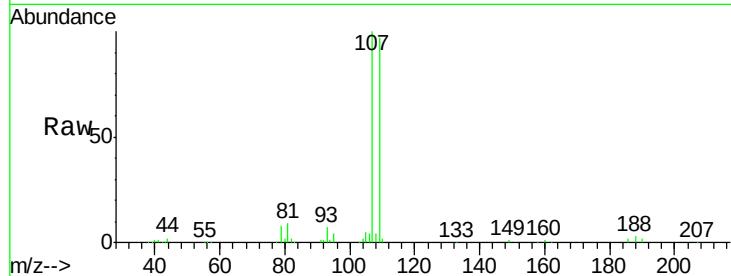
#61
 1,2-Dibromoethane
 Concen: 20.584 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.0

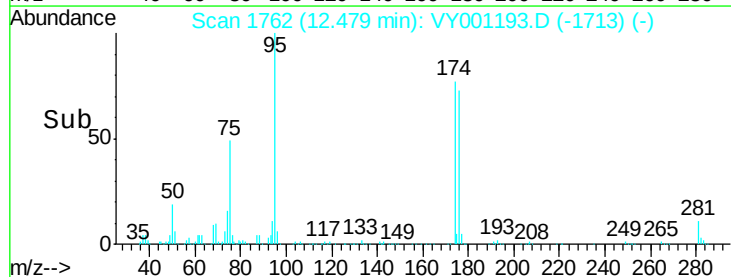
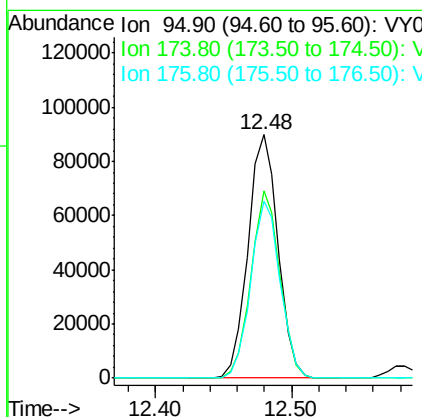
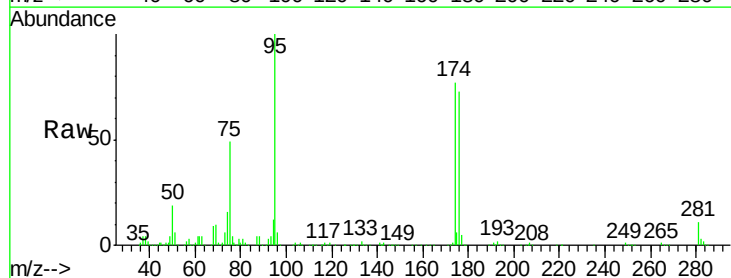
Manual Integrations
 APPROVED

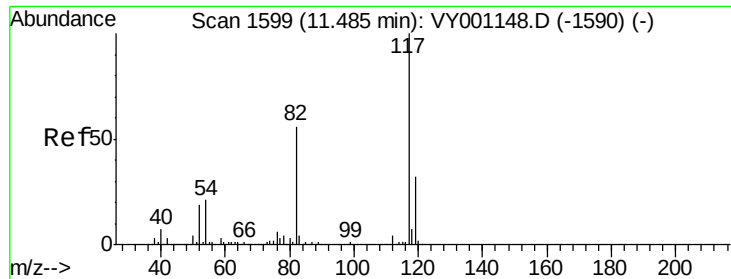
MMDadoda
 1/15/2020 9:30:25 AM



#62
 4-Bromofluorobenzene
 Concen: 44.080 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	143.2
176	71.6	0.0	136.0





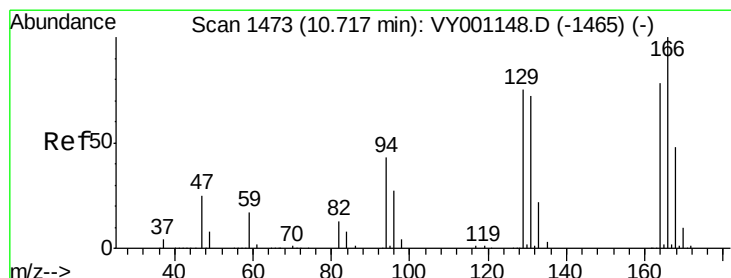
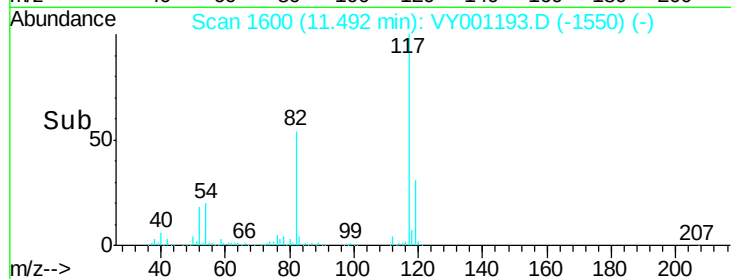
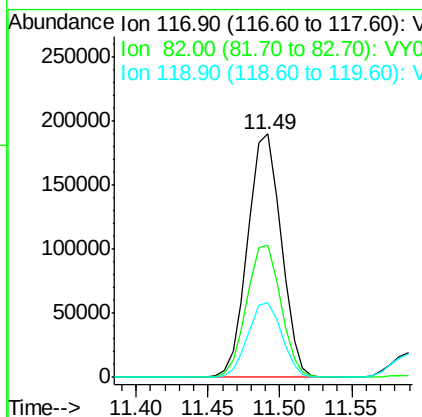
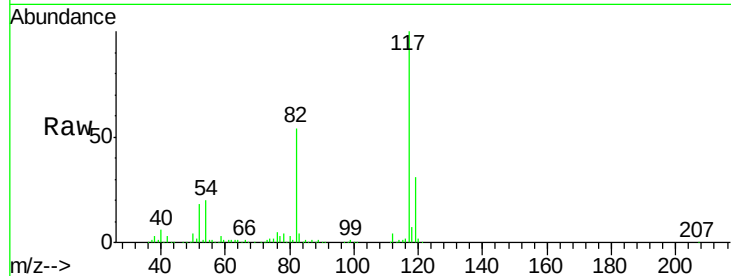
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.9	67.3
119	30.8	25.7	38.5

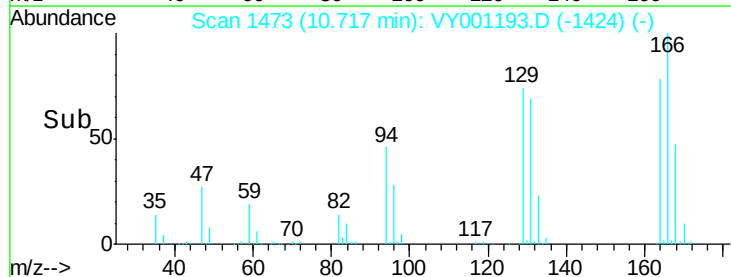
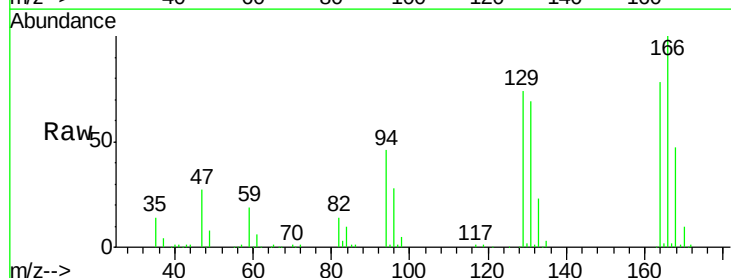
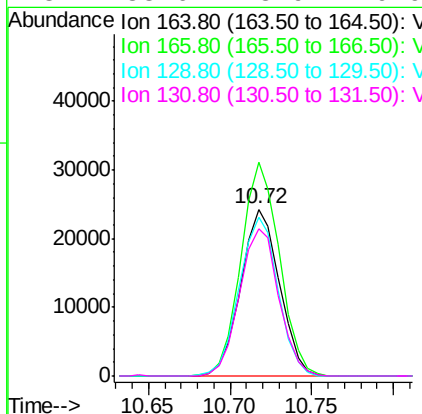
Manual Integrations
APPROVED

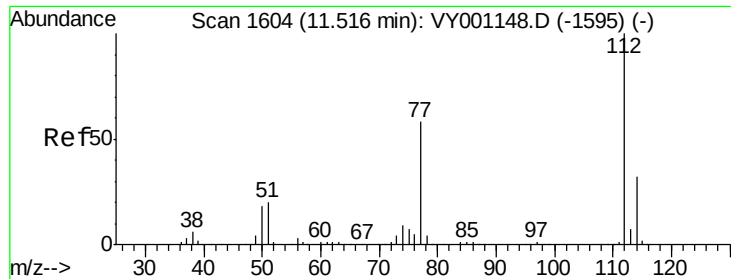
MMDadoda
1/15/2020 9:30:25 AM



#64
Tetrachloroethene
Concen: 20.344 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.3	153.5
129	95.2	76.2	114.4
131	88.6	73.9	110.9





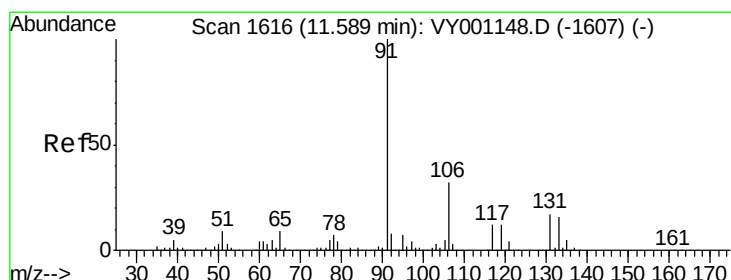
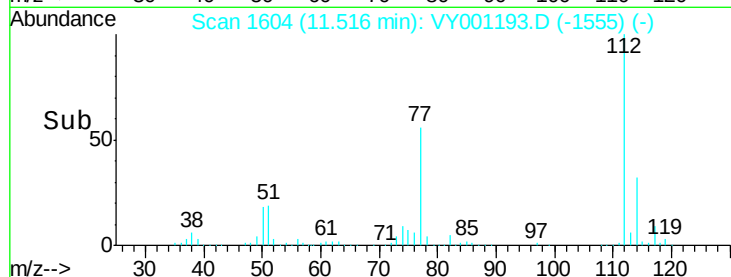
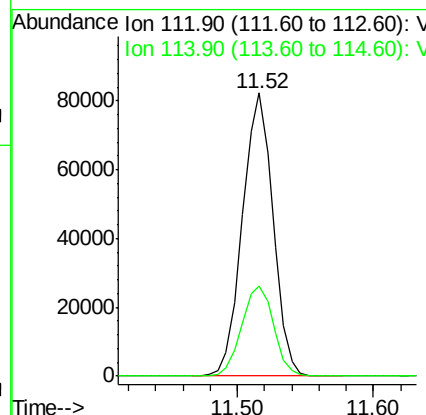
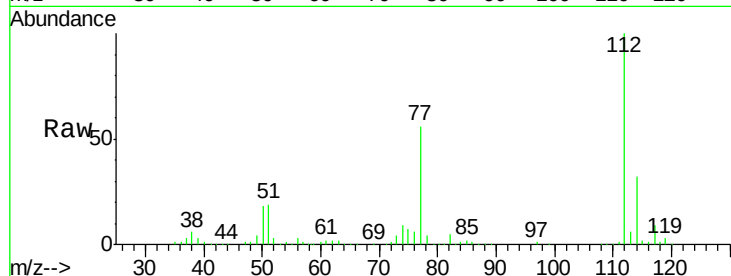
#65
Chlorobenzene
Concen: 21.114 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion:112 Resp: 129302
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

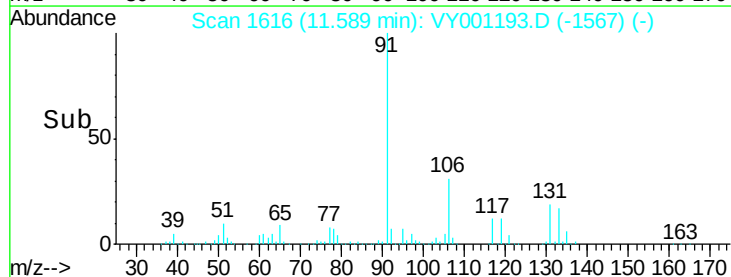
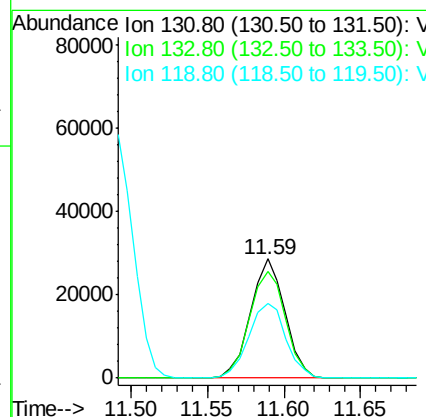
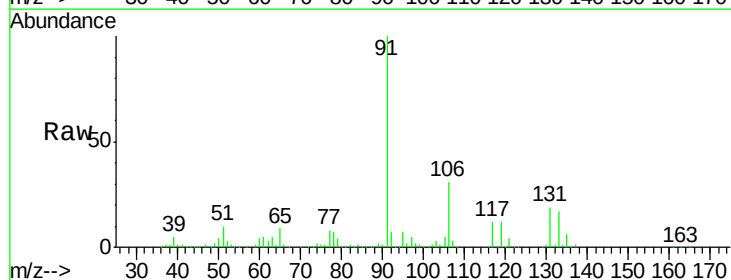
Manual Integrations
APPROVED

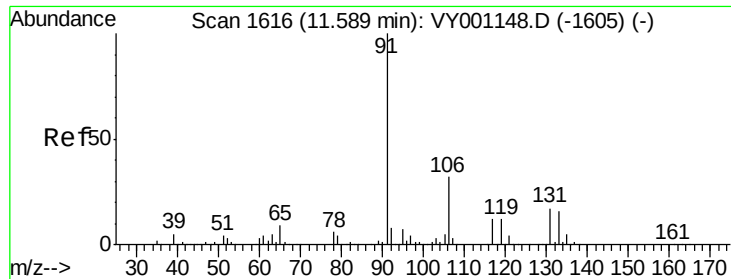
MMDadoda
1/15/2020 9:30:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.158 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion:131 Resp: 44658
Ion Ratio Lower Upper
131 100
133 94.2 47.3 142.0
119 68.0 33.6 100.8





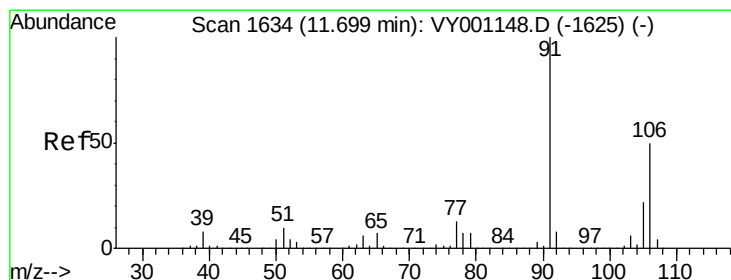
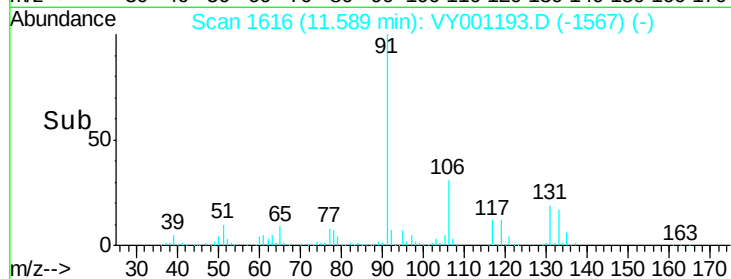
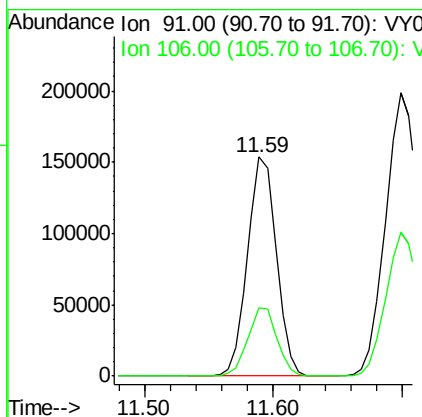
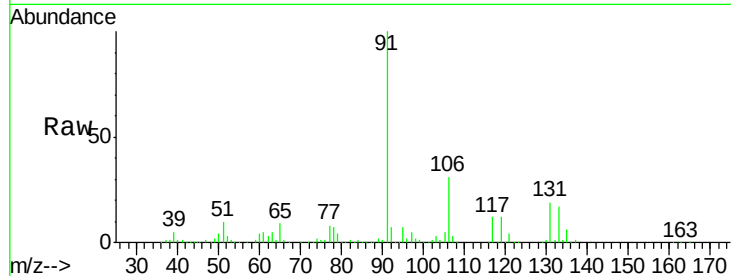
#67
Ethyl Benzene
Concen: 21.175 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.3	37.9

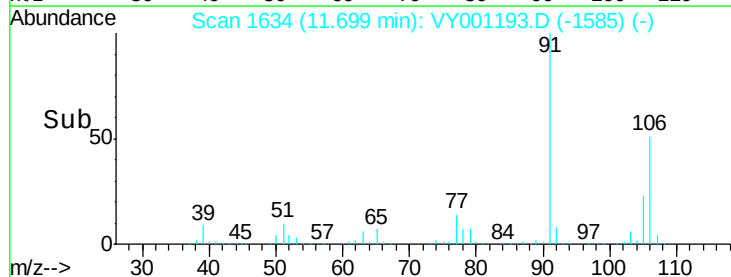
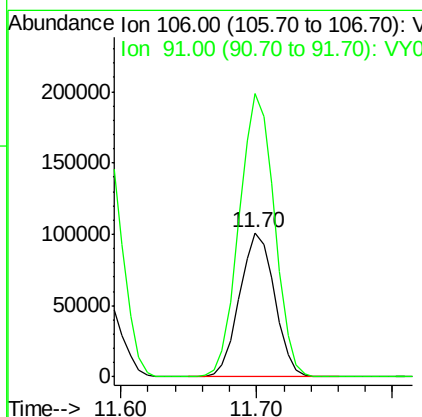
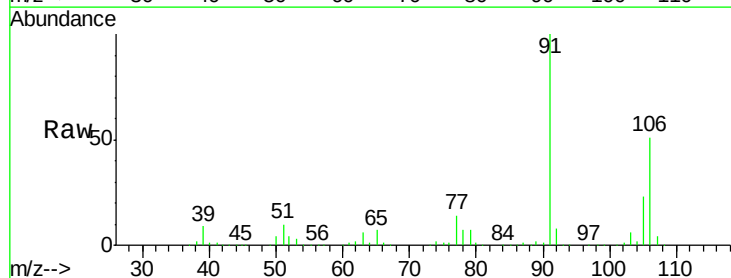
Manual Integrations
APPROVED

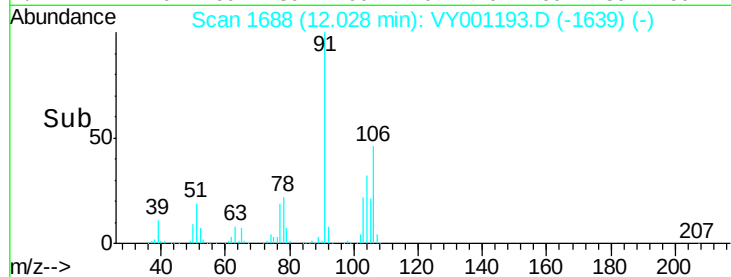
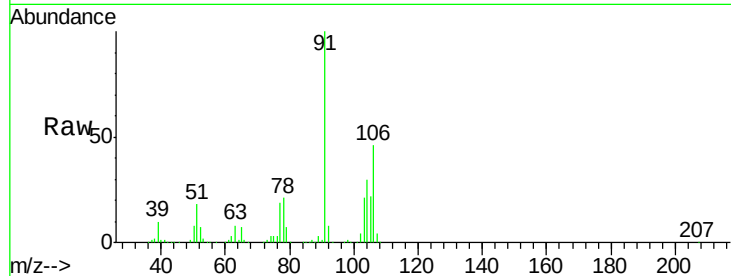
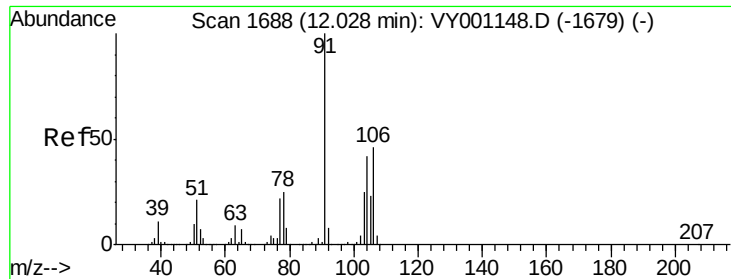
MMDadoda
1/15/2020 9:30:25 AM



#68
m/p-Xylenes
Concen: 43.123 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.0	161.4	242.2





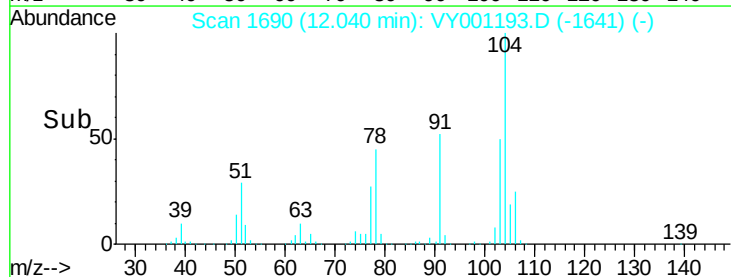
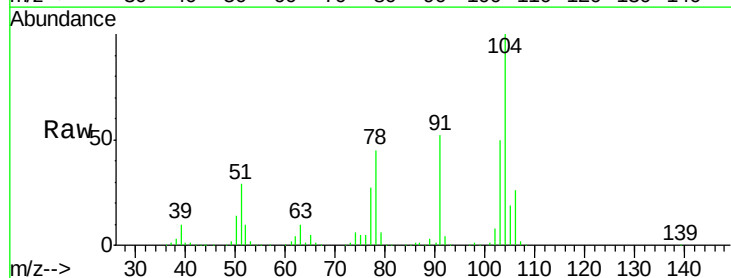
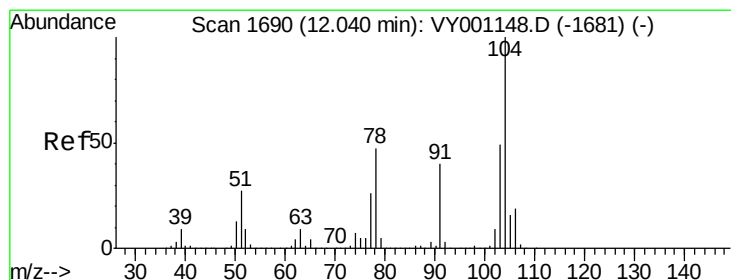
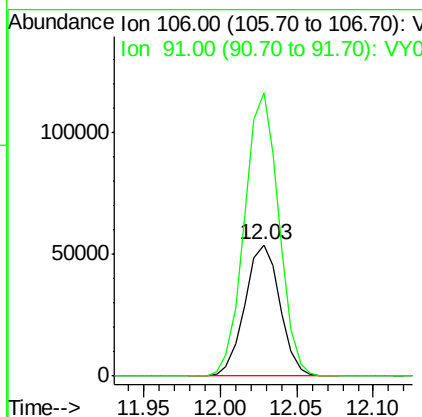
#69
o-Xylene
Concen: 21.156 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tot Ion:106 Resp: 85722
Ion Ratio Lower Upper
106 100
91 211.5 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

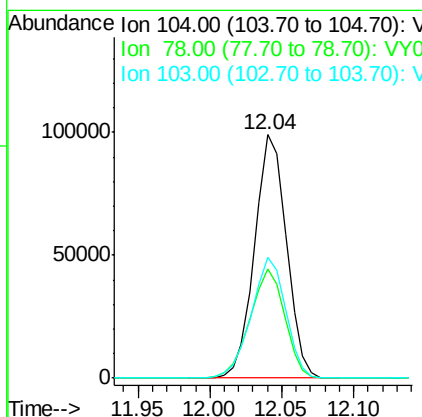
Manual Integrations
APPROVED

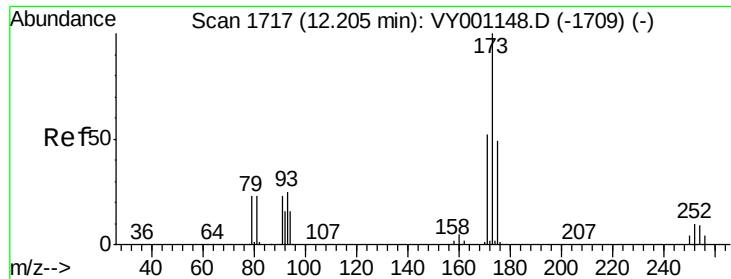
MMDadoda
1/15/2020 9:30:25 AM



#70
Styrene
Concen: 21.270 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion:104 Resp: 151217
Ion Ratio Lower Upper
104 100
78 48.9 40.5 60.7
103 53.7 42.4 63.6





#71

Bromoform

Concen: 20.347 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion:173 Resp: 26485

Ion Ratio Lower Upper

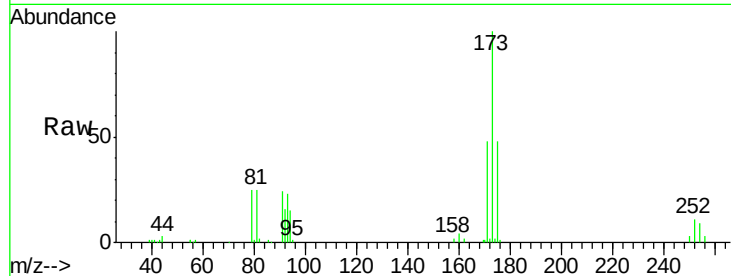
173 100

175 48.9 24.1 72.2

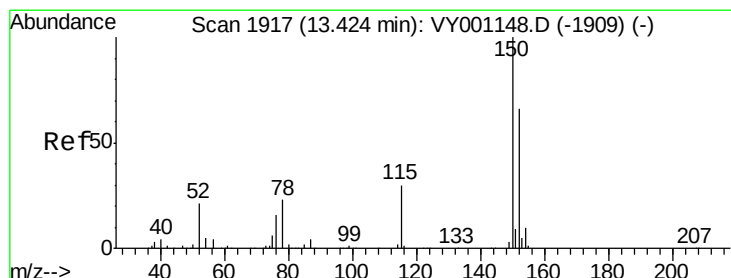
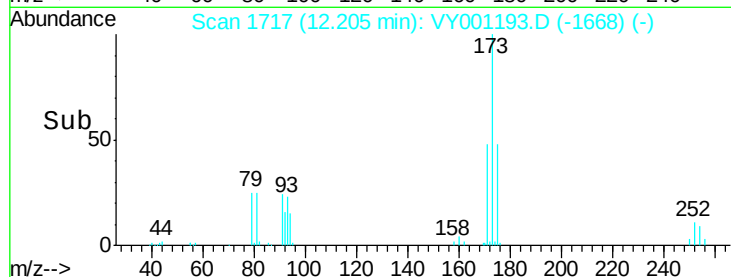
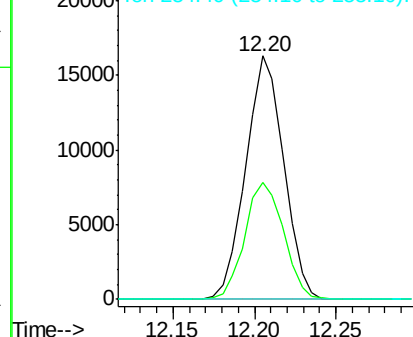
254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

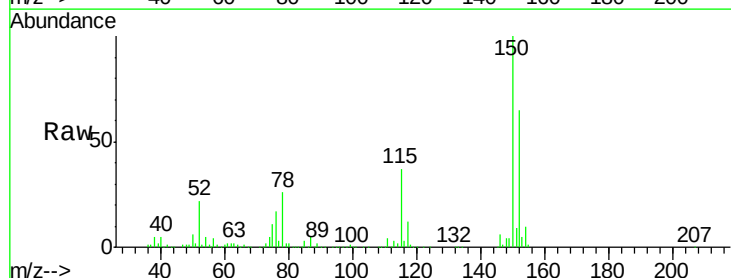
Tgt Ion:152 Resp: 146972

Ion Ratio Lower Upper

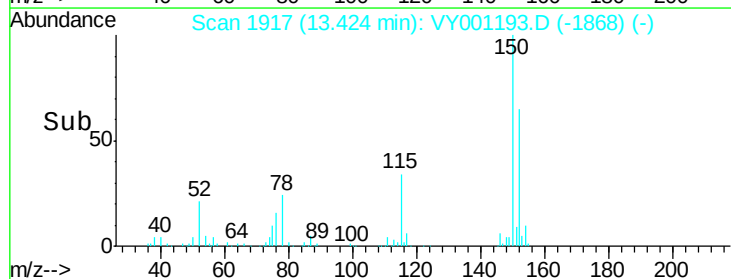
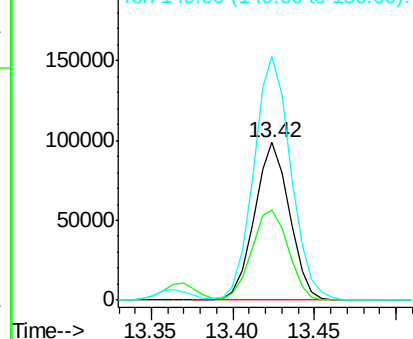
152 100

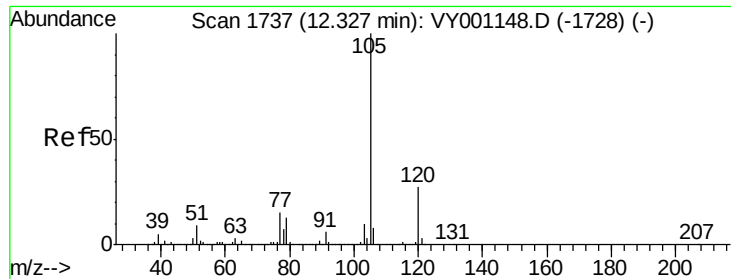
115 60.1 30.9 92.5

150 164.4 0.0 346.8



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





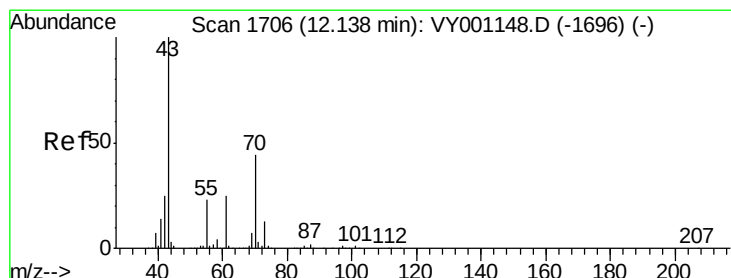
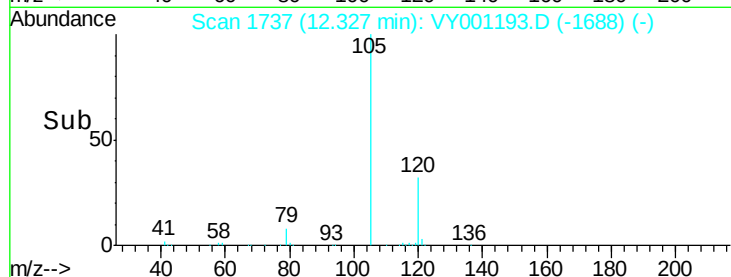
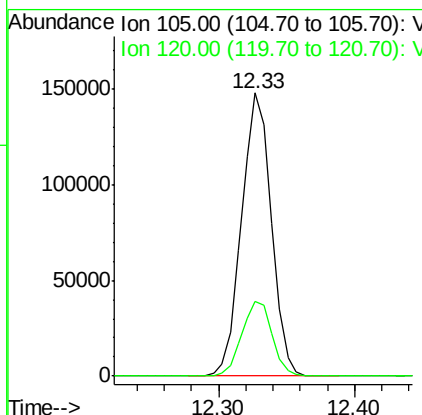
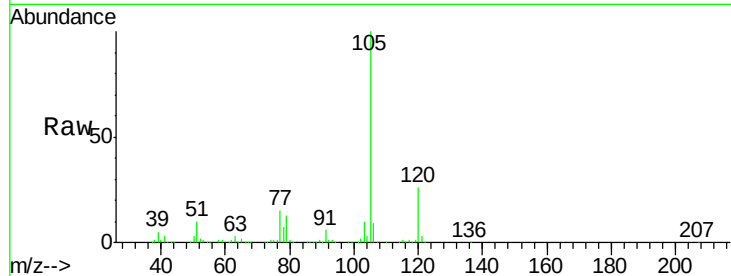
#73
Isopropylbenzene
Concen: 20.439 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	225829		
120	26.8	13.4	40.2	

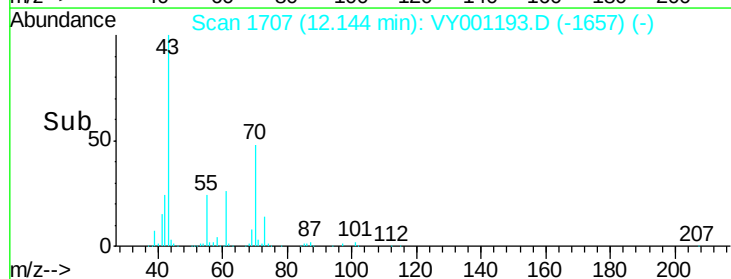
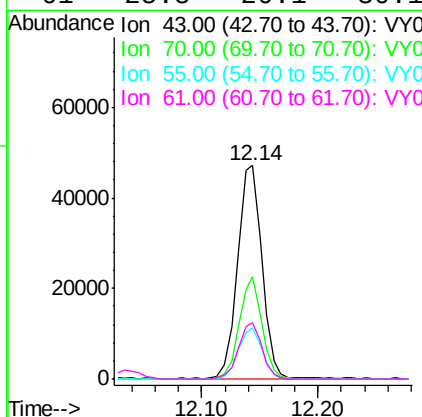
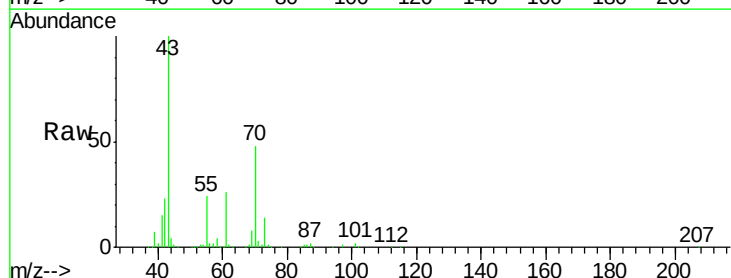
Manual Integrations
APPROVED

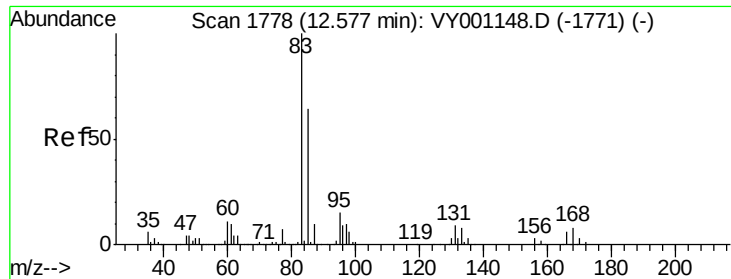
MMDadoda
1/15/2020 9:30:25 AM



#74
N-ethyl acetate
Concen: 19.991 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68931		
70	44.2	35.0	52.6	
55	23.4	18.4	27.6	
61	25.5	20.1	30.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.154 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

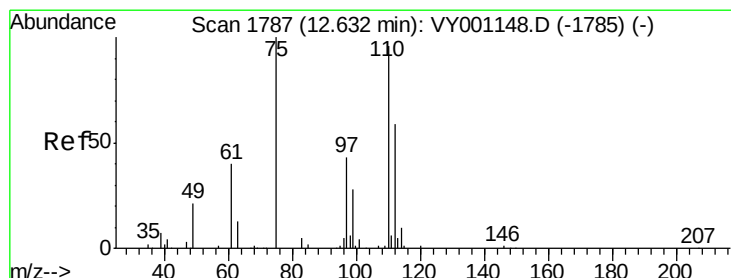
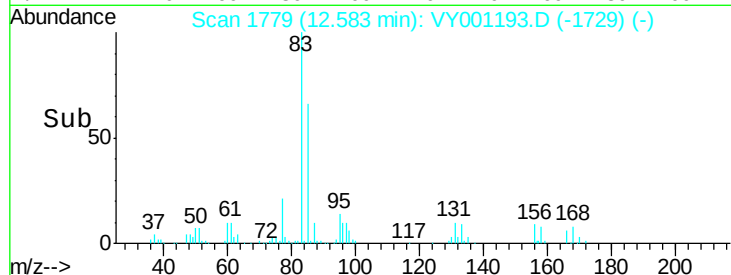
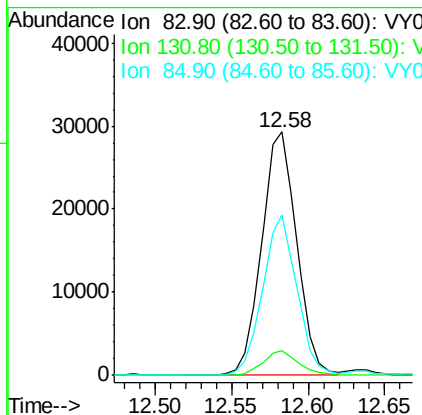
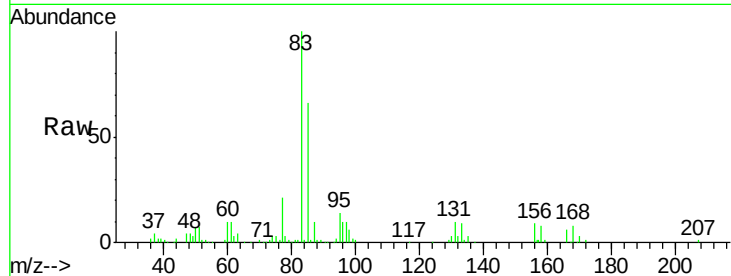
ClientSampleId :

VY0114SBS01

Tot Ion:	83	Resp:	46851
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.1	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#76

1,2,3-Trichloropropane

Concen: 20.051 ug/l m

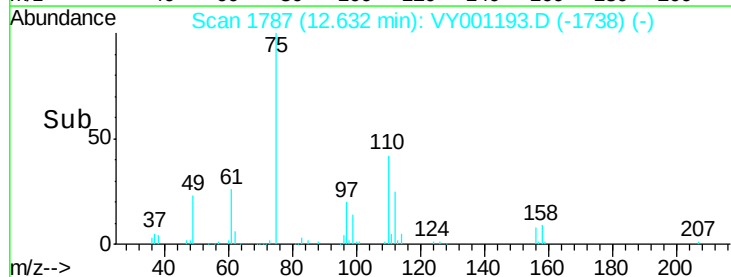
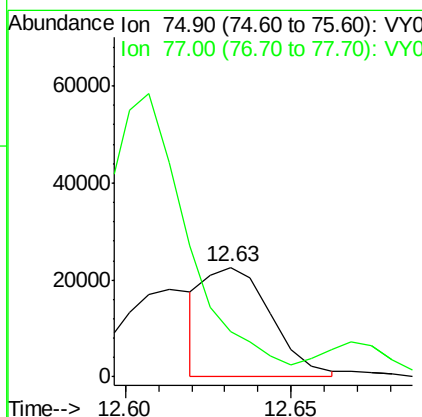
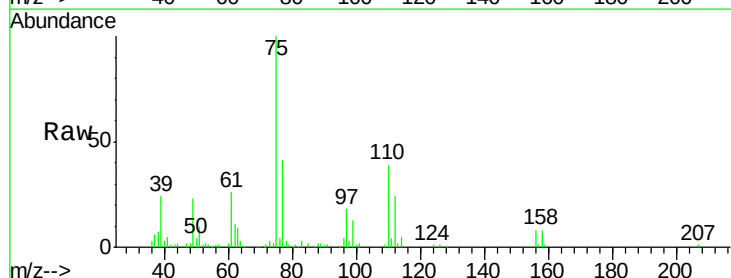
RT: 12.63 min Scan# 1787

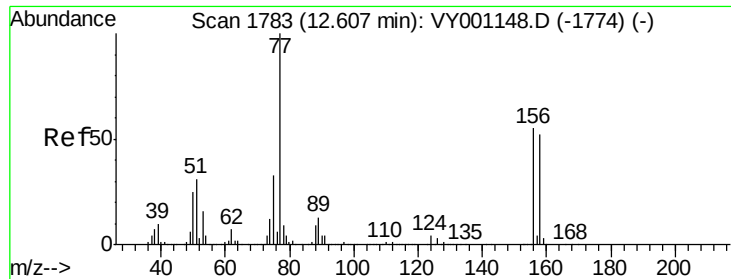
Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Tgt Ion:	75	Resp:	31547
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.286 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

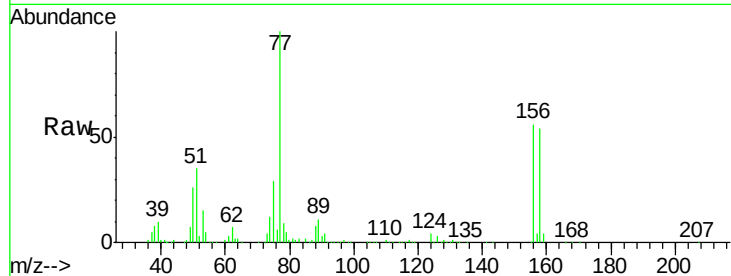
ClientSampleId :

VY0114SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.7	106.7	320.1
158	96.7	48.3	144.8

Manual Integrations
APPROVED

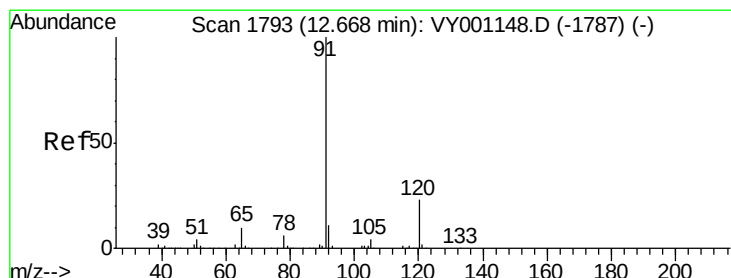
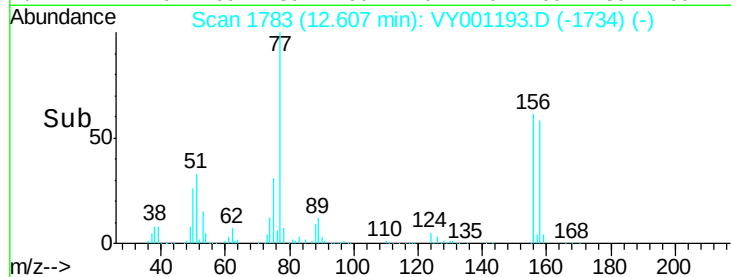
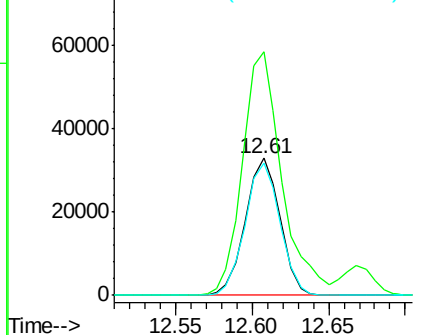
MMDadoda
1/15/2020 9:30:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.713 ug/l

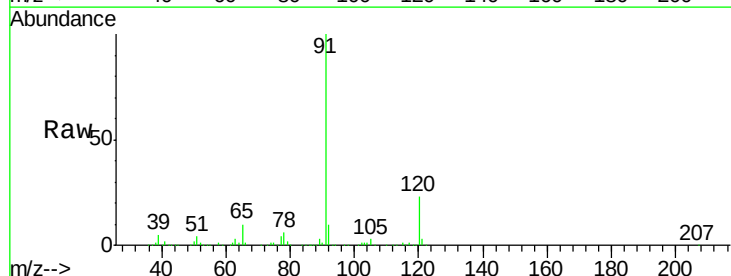
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001193.D

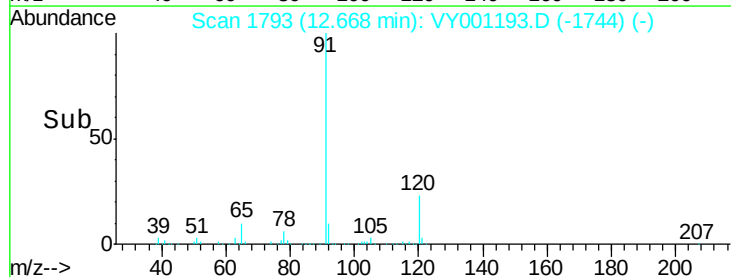
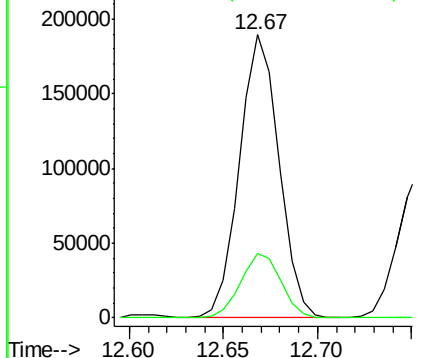
Acq: 14 Jan 2020 11:00

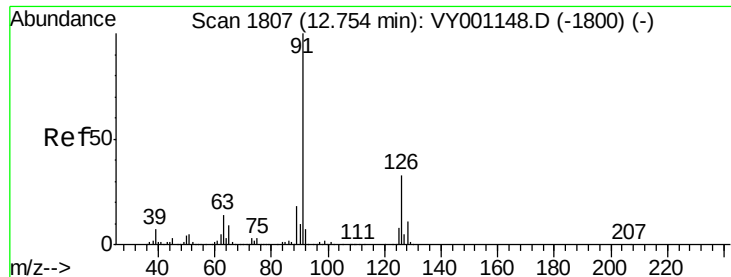
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.475 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBS01

Tot Ion: 91 Resp: 156279

Ion Ratio Lower Upper

91 100

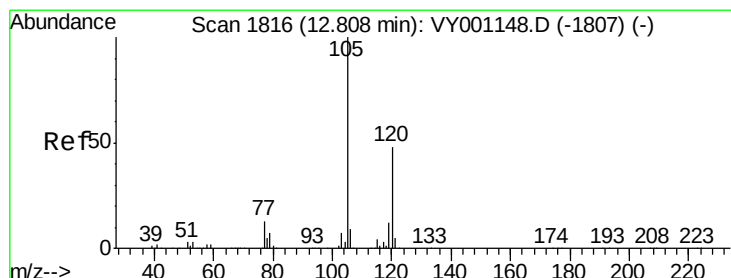
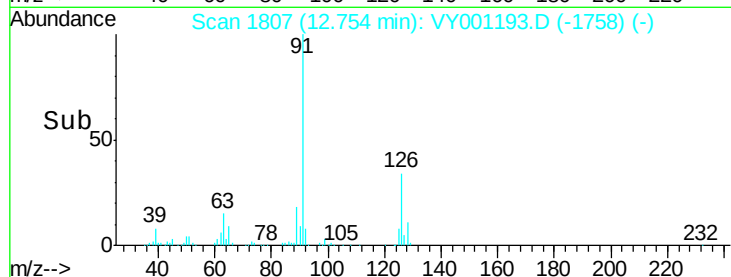
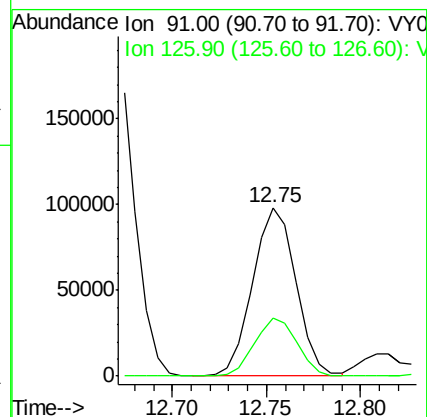
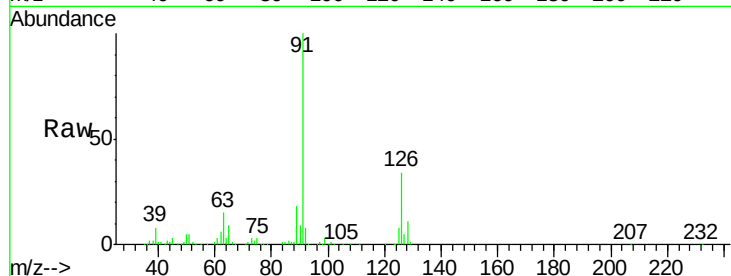
126 33.9 16.4 49.4

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.606 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001193.D

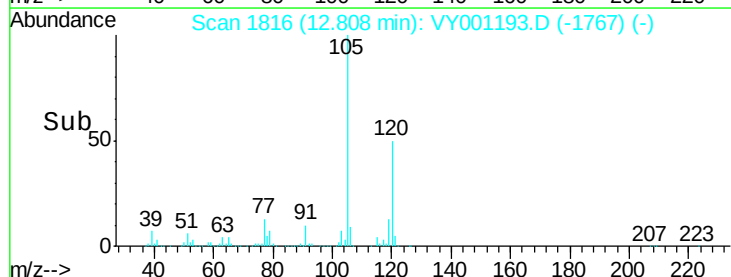
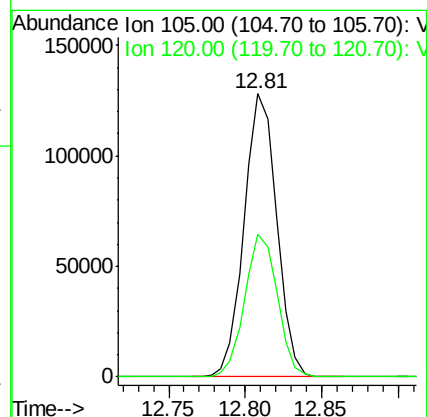
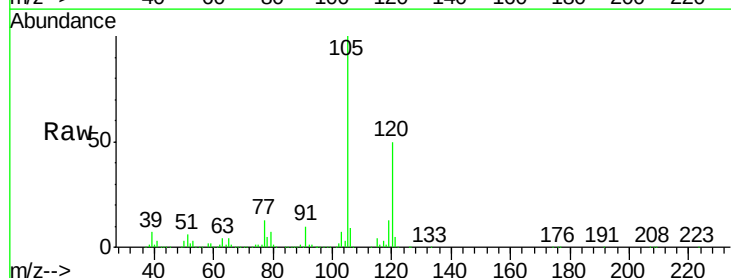
Acq: 14 Jan 2020 11:00

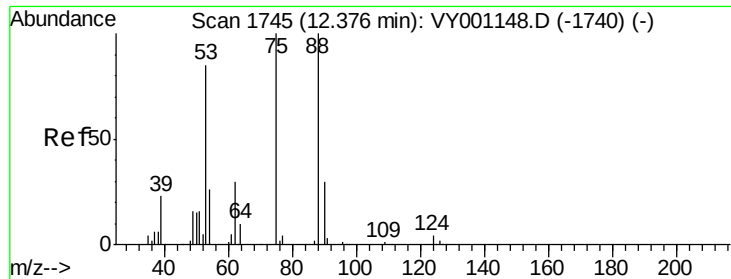
Tgt Ion: 105 Resp: 189970

Ion Ratio Lower Upper

105 100

120 50.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.244 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

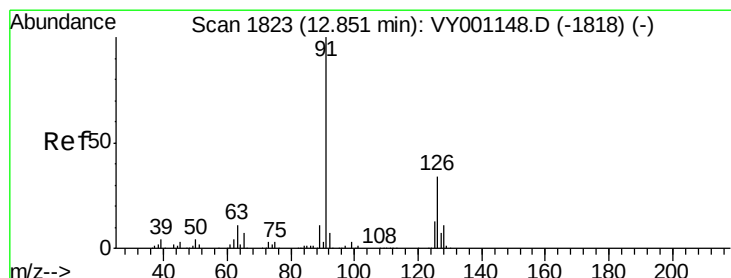
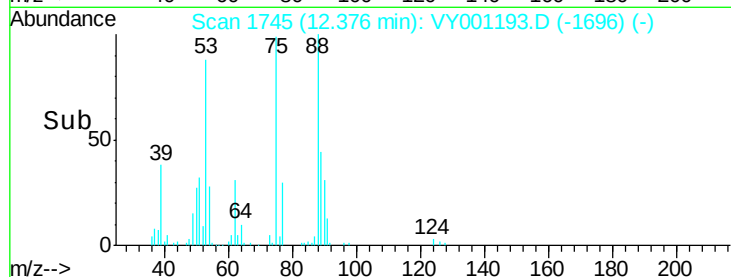
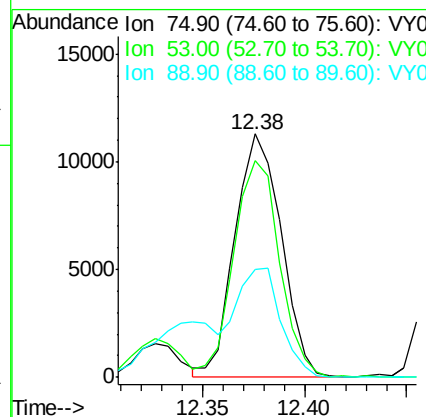
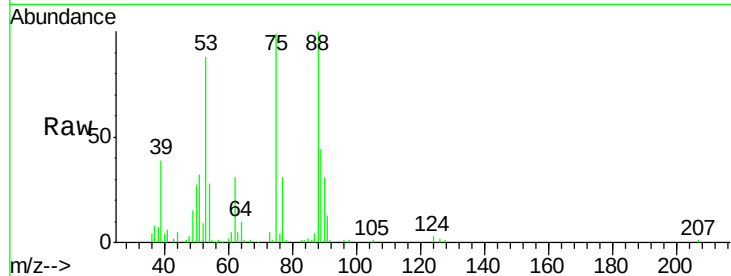
ClientSampleId :

VY0114SBS01

Tot Ion:	75	Resp:	17855
Ion	Ratio	Lower	Upper
75	100		
53	88.0	69.4	104.2
89	43.8	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#82

4-Chlorotoluene

Concen: 20.288 ug/l

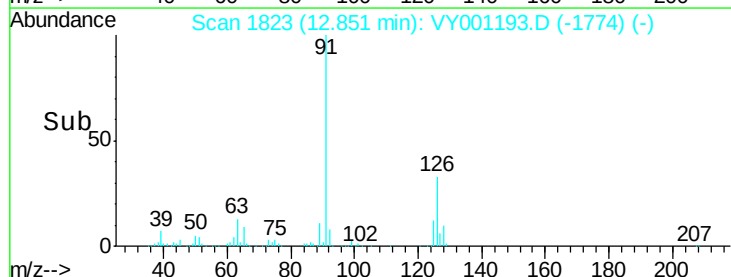
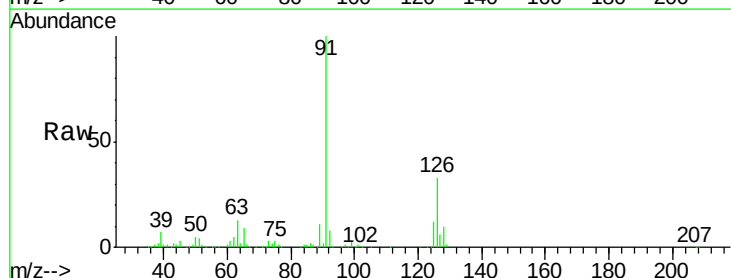
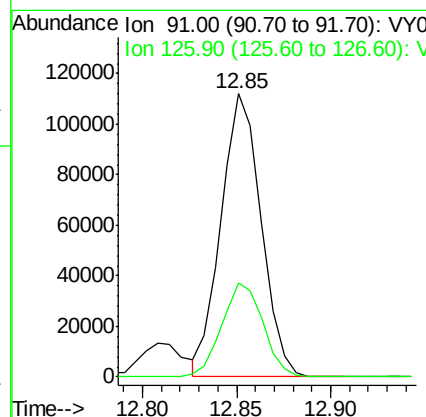
RT: 12.85 min Scan# 1823

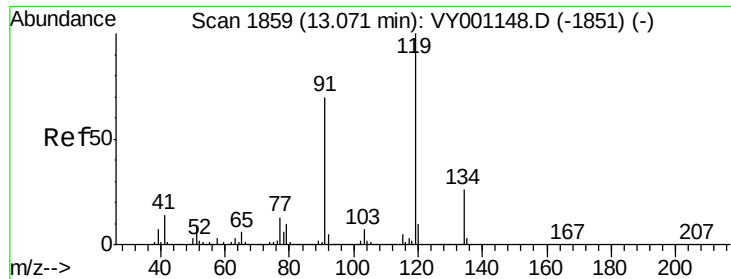
Delta R.T. -0.00 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Tgt Ion:	91	Resp:	165314
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.3	48.8





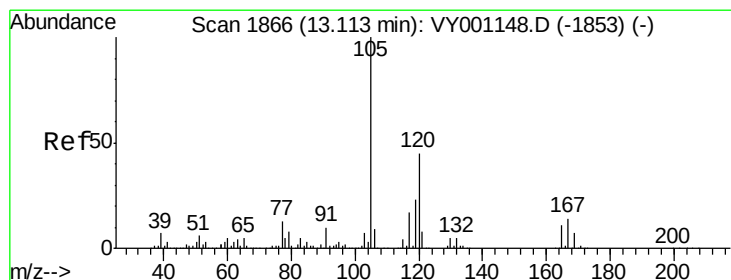
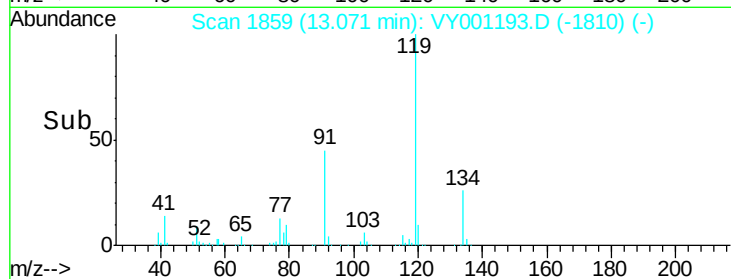
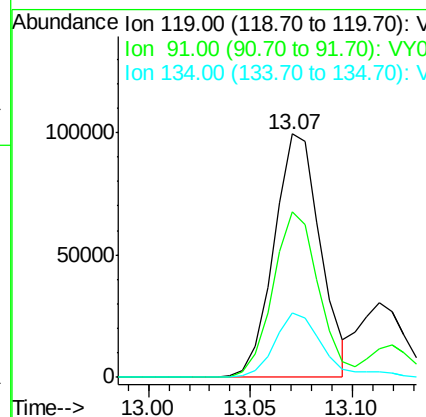
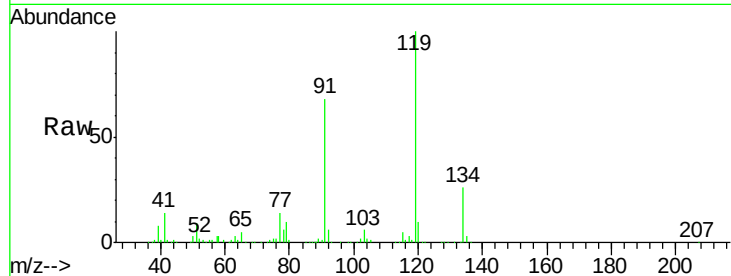
#83
tert-Butylbenzene
Concen: 20.324 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.9	101.7
134	27.7	13.5	40.4

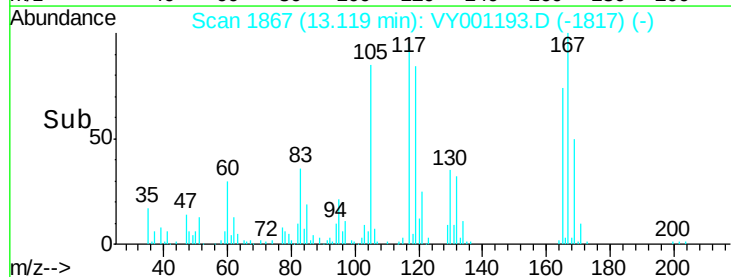
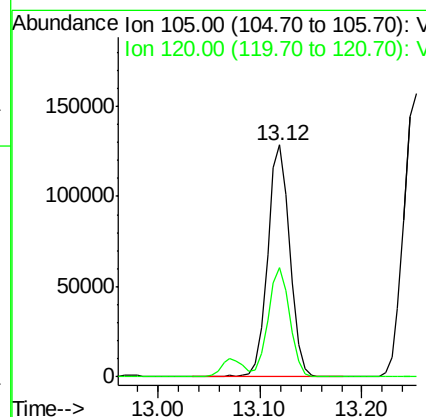
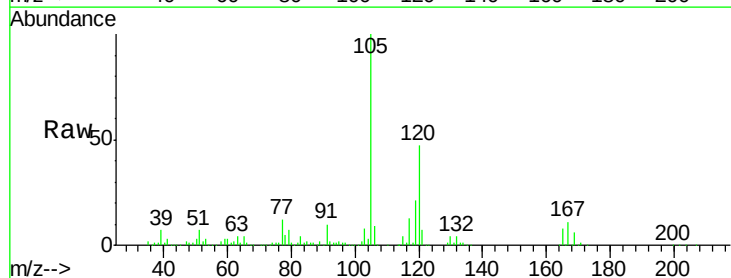
Manual Integrations
APPROVED

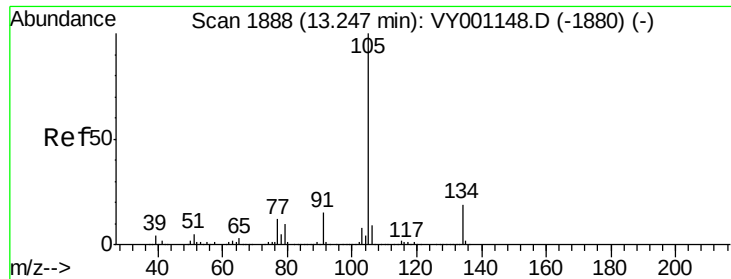
MMDadoda
1/15/2020 9:30:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.067 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.8	68.3





#85

sec-Butylbenzene

Concen: 20.659 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0114SBSD01

Tot Ion:105 Resp: 230224

Ion Ratio Lower Upper

105 100

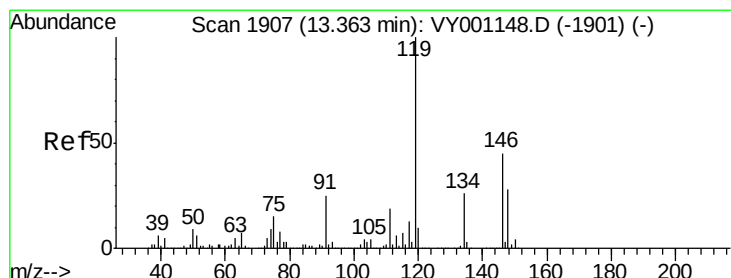
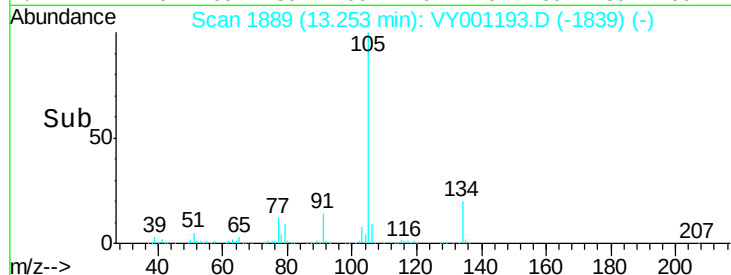
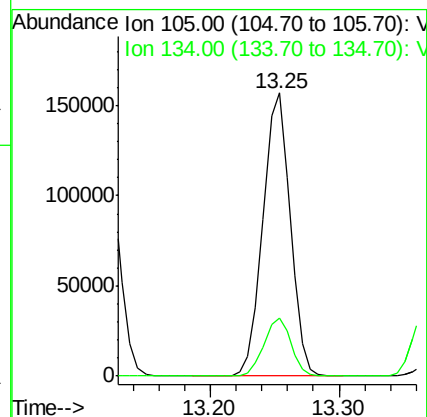
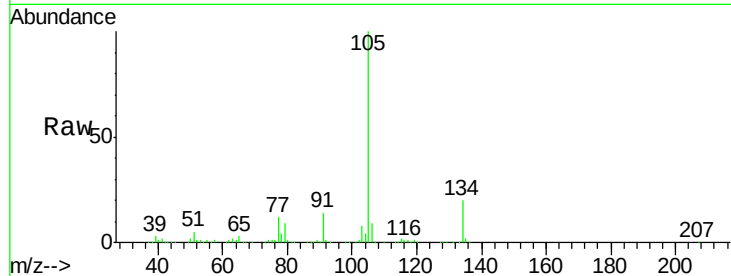
134 20.4 9.8 29.5

Manual Integrations

APPROVED

MMDadoda

1/15/2020 9:30:25 AM



#86

p-Isopropyltoluene

Concen: 21.513 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001193.D

Acq: 14 Jan 2020 11:00

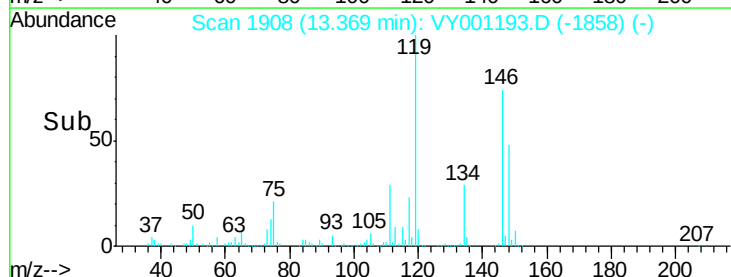
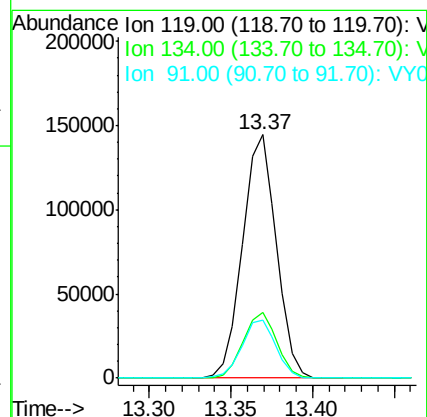
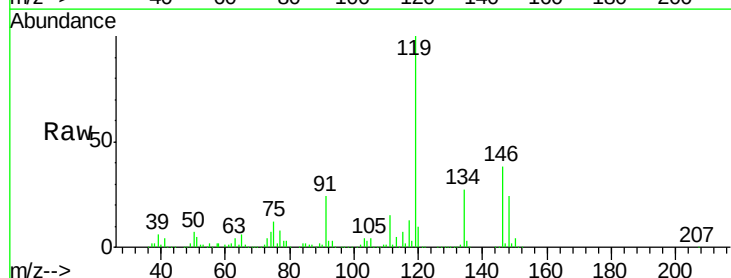
Tgt Ion:119 Resp: 208150

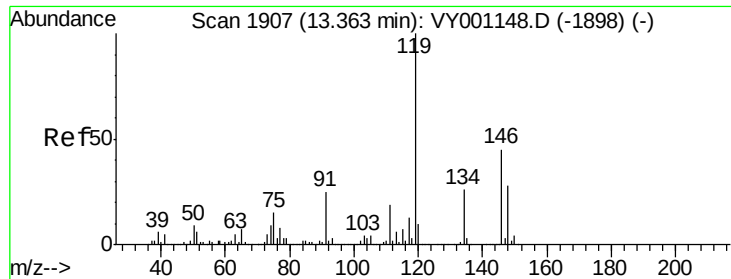
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 23.9 12.4 37.2





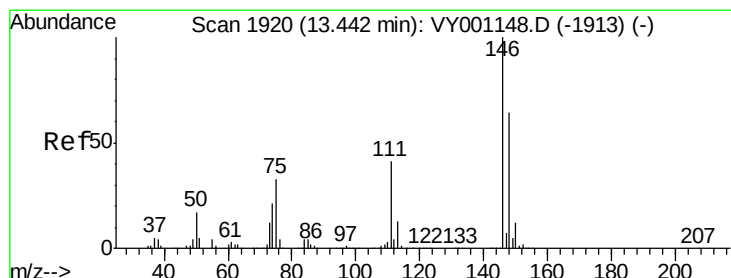
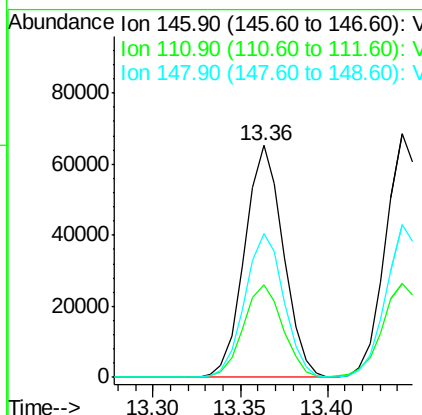
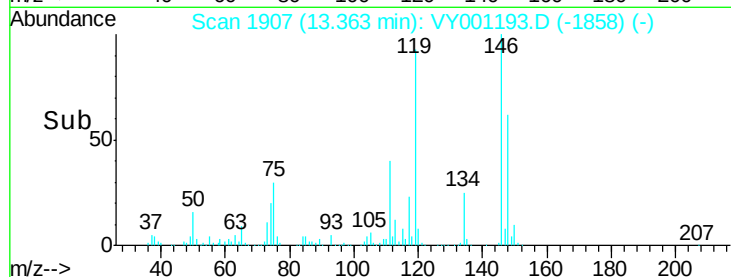
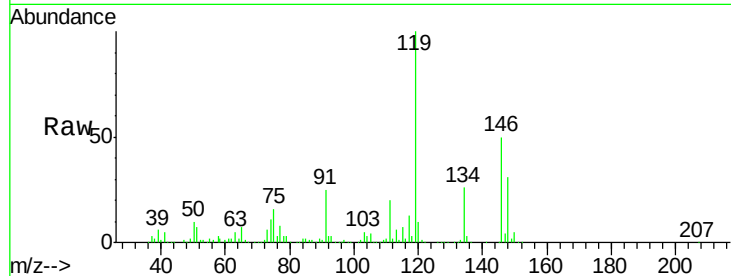
#87
 1,3-Dichlorobenzene
 Concen: 21.692 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	64.0
148	62.6	31.9	95.5

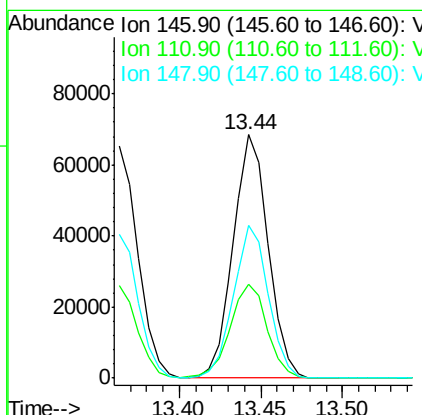
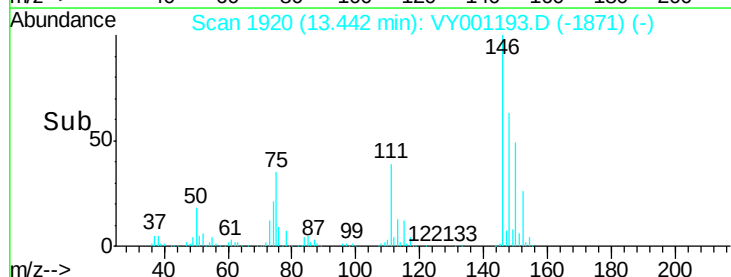
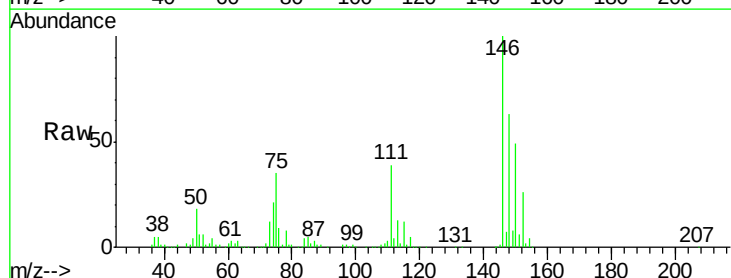
Manual Integrations
 APPROVED

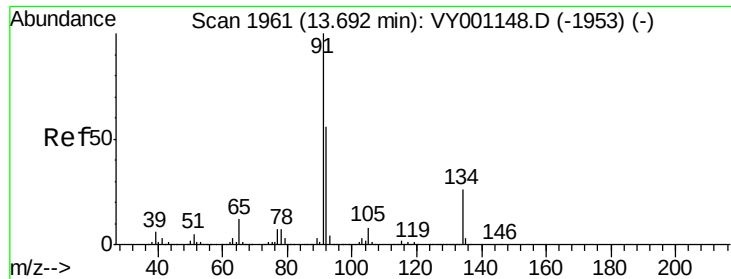
MMDadoda
 1/15/2020 9:30:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.632 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.5
148	62.2	32.0	96.2





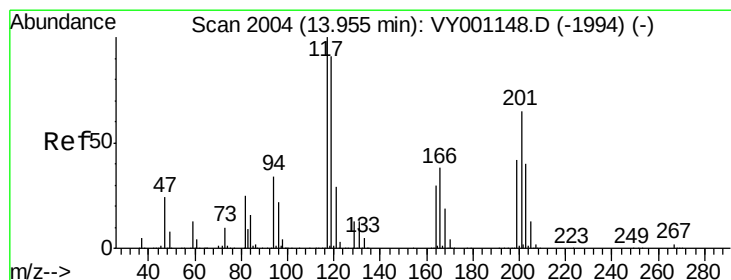
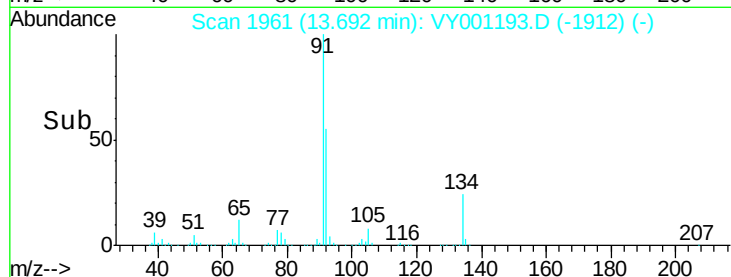
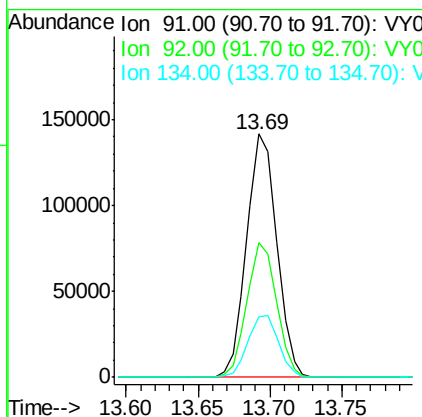
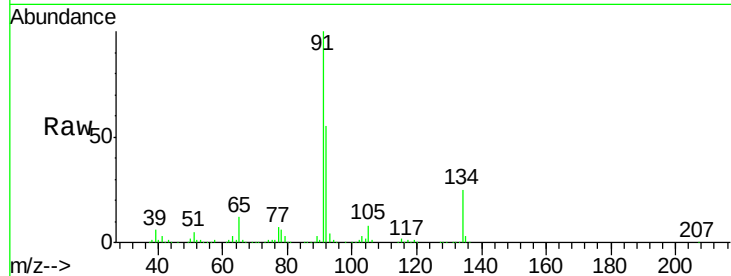
#89
n-Butylbenzene
Concen: 21.048 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.7	83.1
134	25.8	12.9	38.6

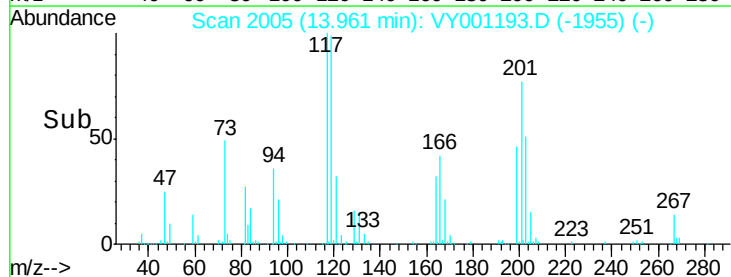
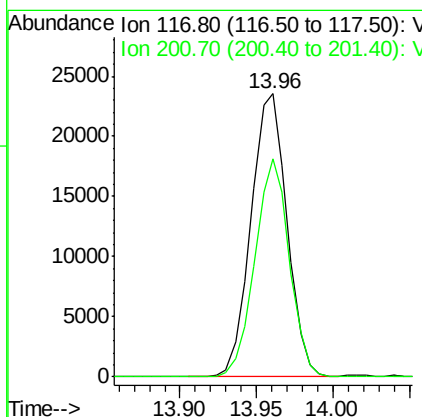
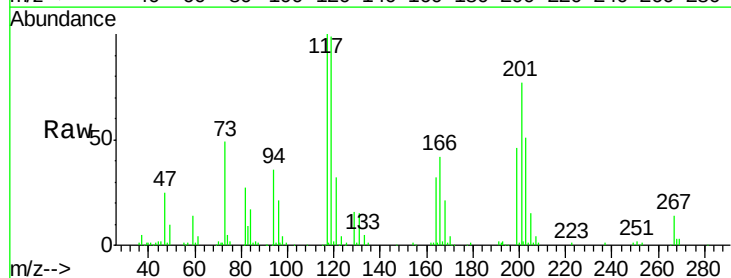
Manual Integrations
APPROVED

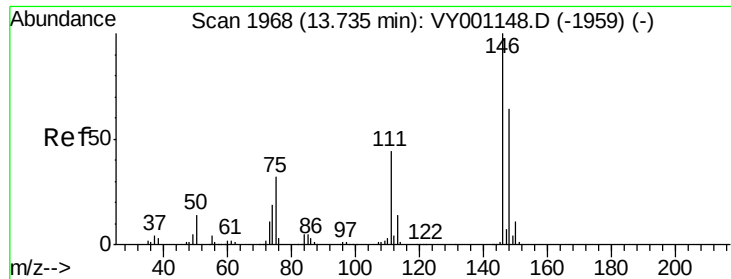
MMDadoda
1/15/2020 9:30:25 AM



#90
Hexachloroethane
Concen: 20.353 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	35.4	106.2





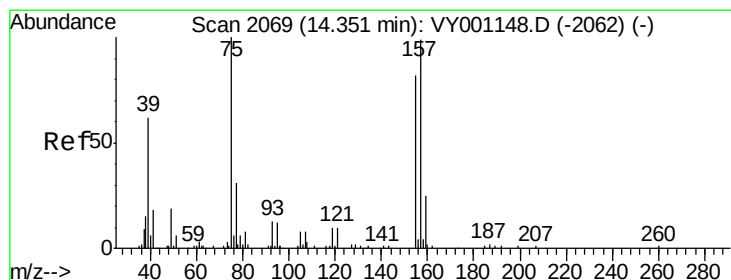
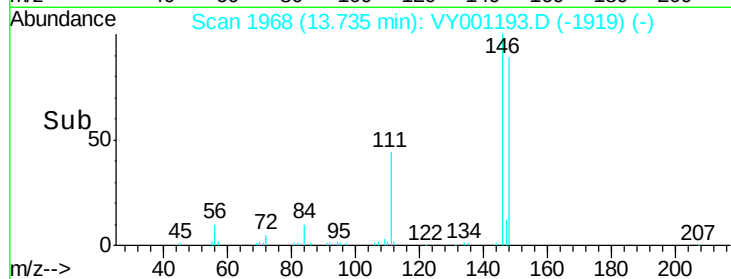
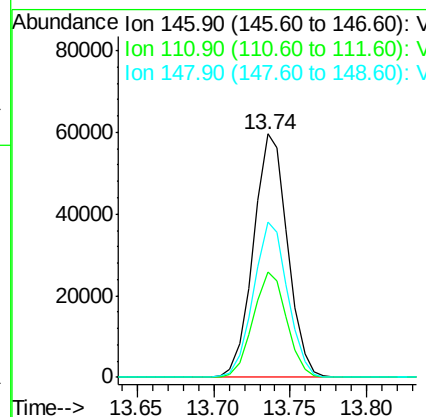
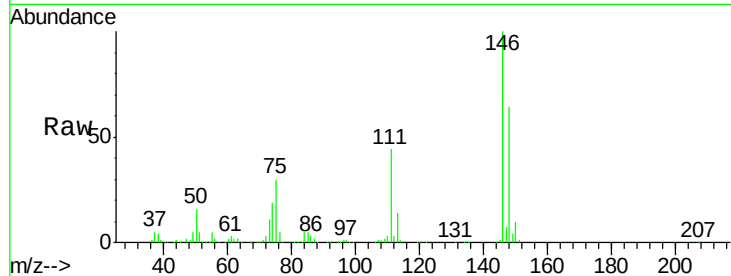
#91
 1,2-Dichlorobenzene
 Concen: 21.502 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.0	66.0
148	63.7	32.1	96.3

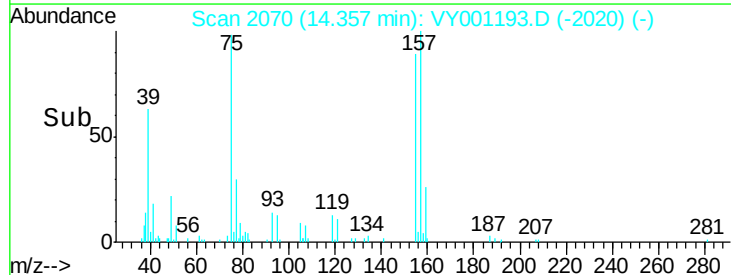
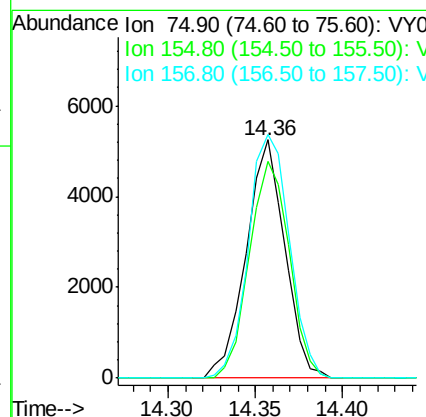
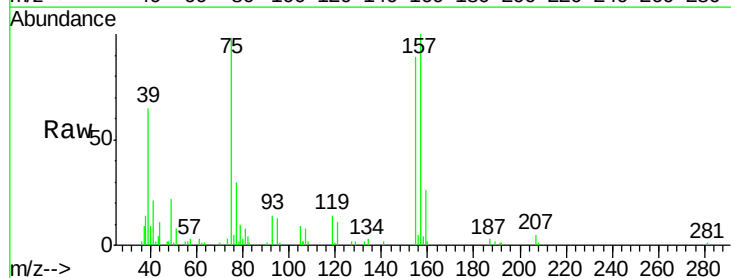
Manual Integrations
 APPROVED

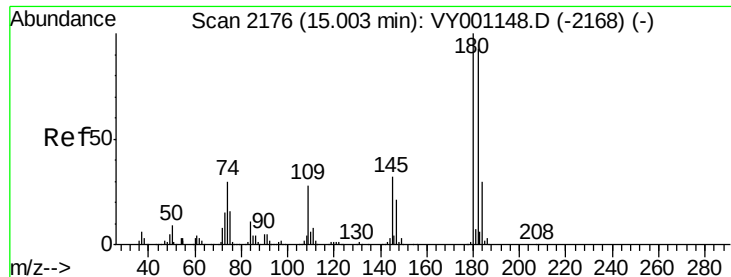
MMDadoda
 1/15/2020 9:30:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.255 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	41.2	123.6
157	108.3	52.8	158.4





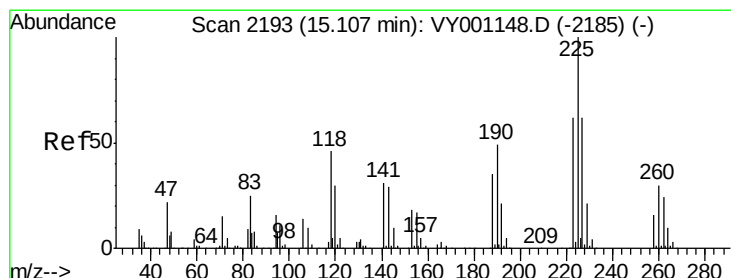
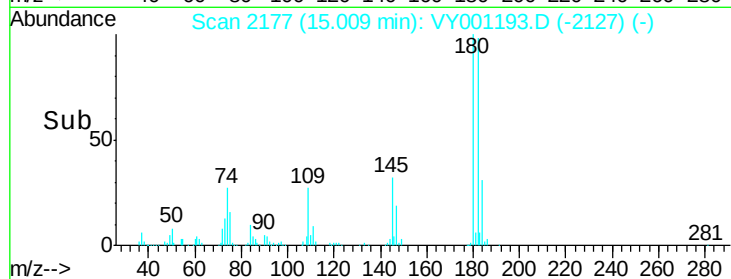
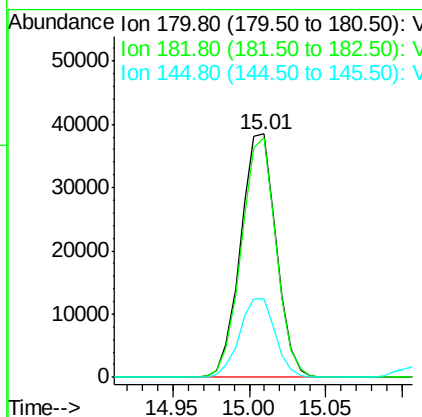
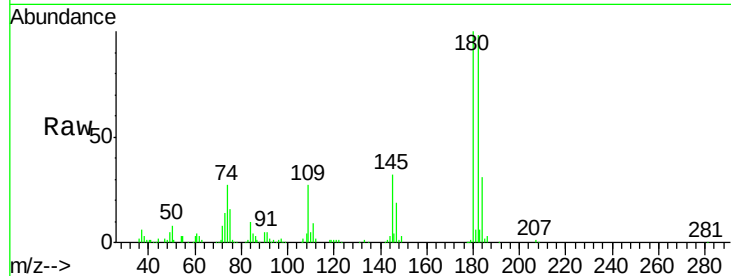
#93
 1,2,4-Trichlorobenzene
 Concen: 21.990 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.8
145	32.5	16.0	48.0

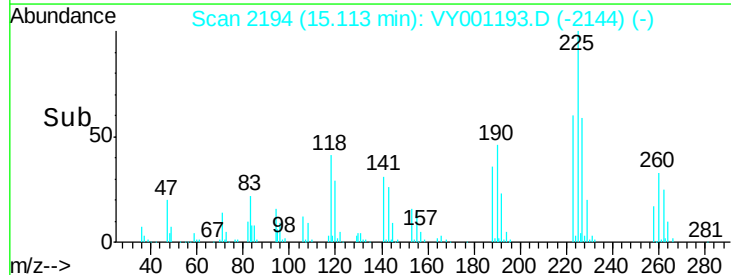
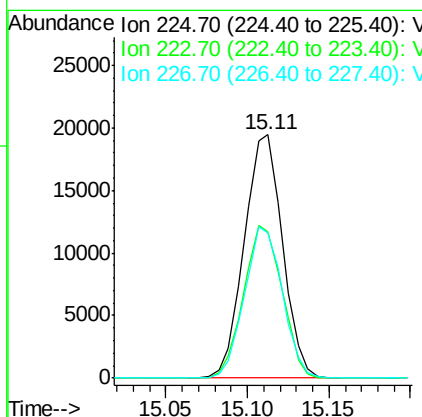
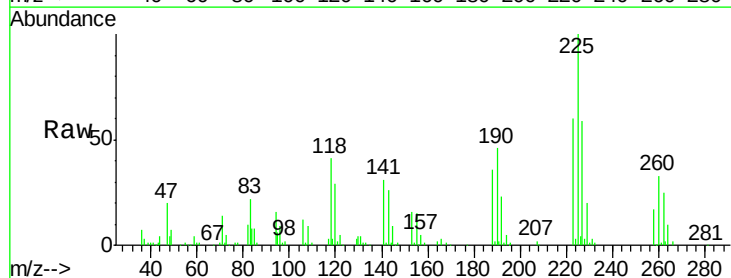
Manual Integrations
 APPROVED

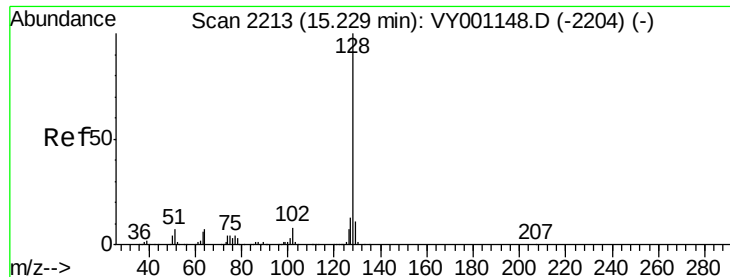
MMDadoda
 1/15/2020 9:30:25 AM



#94
 Hexachlorobutadiene
 Concen: 22.331 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY001193.D
 Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.3
227	61.6	31.3	93.9





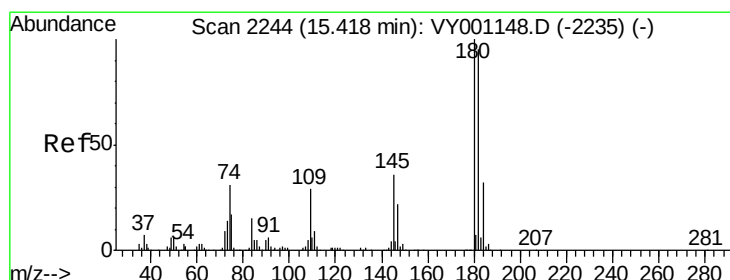
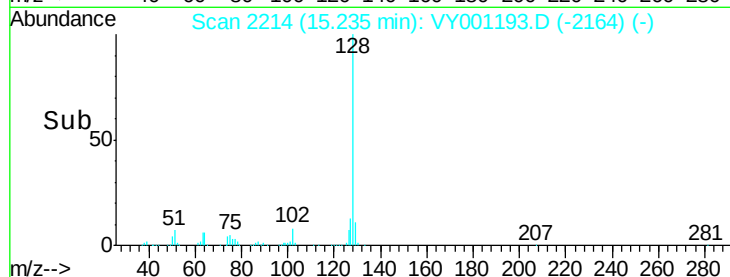
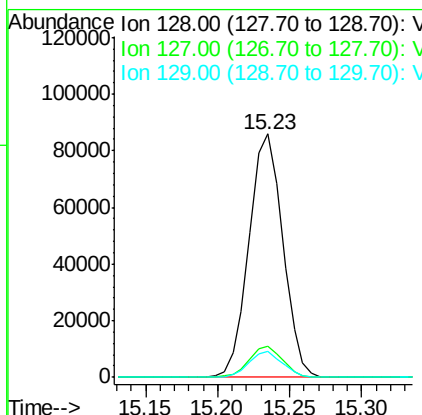
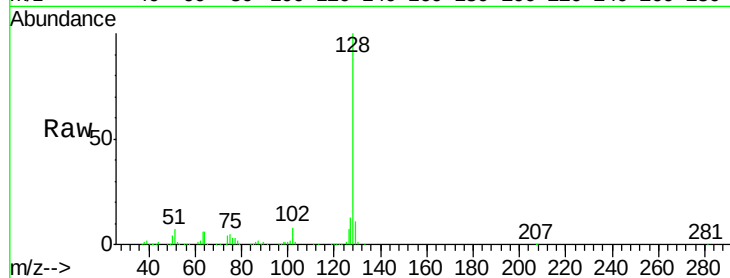
#95
Naphthalene
Concen: 21.240 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0114SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.596 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001193.D
Acq: 14 Jan 2020 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.5
145	32.3	17.1	51.3

