

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002460.D
 Acq On : 23 Apr 2020 14:57
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY042320

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:41 PM

Quant Time: Apr 24 02:35:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	312307	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	461331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	411632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	209202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	125561	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.74	113	122932	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	10.19	98	477772	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
62) 4-Bromofluorobenzene	12.49	95	159259	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	129743	56.726	ug/l	98
3) Chloromethane	2.13	50	153731	52.827	ug/l	98
4) Vinyl Chloride	2.27	62	137374	65.712	ug/l	97
5) Bromomethane	2.67	94	58240	49.637	ug/l	93
6) Chloroethane	2.81	64	51189	46.787	ug/l	97
7) Trichlorofluoromethane	3.15	101	200908	52.999	ug/l	98
8) Diethyl Ether	3.55	74	83869	53.675	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	141899	54.380	ug/l	99
10) Methyl Iodide	4.12	142	215731	53.591	ug/l	98
11) Tert butyl alcohol	4.99	59	68174	265.357	ug/l	99
12) 1,1-Dichloroethene	3.90	96	143566	53.699	ug/l	99
13) Acrolein	3.76	56	57365	278.930	ug/l	99
14) Allyl chloride	4.51	41	206754	52.624	ug/l	96
15) Acrylonitrile	5.19	53	197810	264.588	ug/l	99
16) Acetone	3.97	43	181987	319.021	ug/l	99
17) Carbon Disulfide	4.22	76	436618	52.375	ug/l	100
18) Methyl Acetate	4.51	43	91883	50.055	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	380290	52.714	ug/l	98
20) Methylene Chloride	4.75	84	153398	47.099	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	154027	51.172	ug/l	95
22) Diisopropyl ether	6.15	45	394479	50.780	ug/l	100
23) Vinyl Acetate	6.09	43	1311756	265.740	ug/l	99
24) 1,1-Dichloroethane	6.05	63	241123	51.268	ug/l	99
25) 2-Butanone	7.01	43	243755	278.914	ug/l	98
26) 2,2-Dichloropropane	7.00	77	234585	52.154	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	170182	51.983	ug/l	99
28) Bromochloromethane	7.36	49	86669	47.235	ug/l	98
29) Tetrahydrofuran	7.37	42	155164	267.790	ug/l	99
30) Chloroform	7.53	83	255813	51.084	ug/l	98
31) Cyclohexane	7.80	56	228262	48.535	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	246223	52.035	ug/l	100
36) 1,1-Dichloropropene	7.94	75	202165	51.107	ug/l	99
37) Ethyl Acetate	7.10	43	102627	51.642	ug/l	99
38) Carbon Tetrachloride	7.92	117	232652	51.145	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002460.D
 Acq On : 23 Apr 2020 14:57
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY042320

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:41 PM

Quant Time: Apr 24 02:35:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	268004	51.937	ug/l	99
40) Benzene	8.18	78	581915	50.897	ug/l	99
41) Methacrylonitrile	7.35	41	58313m	47.627	ug/l	
42) 1,2-Dichloroethane	8.26	62	168019	50.589	ug/l	100
43) Isopropyl Acetate	8.29	43	196854	52.962	ug/l	100
44) Trichloroethene	8.96	130	182029	50.917	ug/l	95
45) 1,2-Dichloropropane	9.23	63	135314	51.352	ug/l	98
46) Dibromomethane	9.32	93	79912	51.835	ug/l	99
47) Bromodichloromethane	9.51	83	197313	51.179	ug/l	97
48) Methyl methacrylate	9.30	41	91575	53.969	ug/l	98
49) 1,4-Dioxane	9.31	88	19255	980.032	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	517167	267.879	ug/l	100
52) Toluene	10.25	92	372604	50.628	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	212652	52.522	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	239265	51.631	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	116935	51.299	ug/l	97
56) Ethyl methacrylate	10.52	69	163022	52.341	ug/l	99
57) 1,3-Dichloropropane	10.80	76	197500	51.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	368030	244.349	ug/l	99
59) 2-Hexanone	10.85	43	367890	273.382	ug/l	99
60) Dibromochloromethane	11.00	129	154708	51.797	ug/l	100
61) 1,2-Dibromoethane	11.10	107	115061	50.904	ug/l	100
64) Tetrachloroethene	10.73	164	193862	51.387	ug/l	99
65) Chlorobenzene	11.53	112	413376	52.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	157298	52.827	ug/l	99
67) Ethyl Benzene	11.60	91	737545	52.149	ug/l	99
68) m/p-Xylenes	11.71	106	563975	103.585	ug/l	99
69) o-Xylene	12.04	106	266886	52.933	ug/l	100
70) Styrene	12.05	104	463783	52.828	ug/l	99
71) Bromoform	12.22	173	100749	53.711	ug/l #	99
73) Isopropylbenzene	12.34	105	713651	51.026	ug/l	99
74) N-amyl acetate	12.15	43	179353	54.116	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.60	83	117176	54.550	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	89823m	50.659	ug/l	
77) Bromobenzene	12.62	156	182305	51.972	ug/l	100
78) n-propylbenzene	12.68	91	848896	52.275	ug/l	100
79) 2-Chlorotoluene	12.77	91	460147	51.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	613919	51.718	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	52062	54.334	ug/l #	77
82) 4-Chlorotoluene	12.86	91	478665	52.120	ug/l	100
83) tert-Butylbenzene	13.08	119	541500	52.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	613067	53.831	ug/l	99
85) sec-Butylbenzene	13.27	105	667267	48.343	ug/l	99
86) p-Isopropyltoluene	13.38	119	696258	52.895	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	337752	52.060	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	336520	52.164	ug/l	99
89) n-Butylbenzene	13.70	91	629895	51.873	ug/l	100
90) Hexachloroethane	13.97	117	123492	51.905	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	305838	54.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22597	52.988	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
Data File : VY002460.D
Acq On : 23 Apr 2020 14:57
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042320

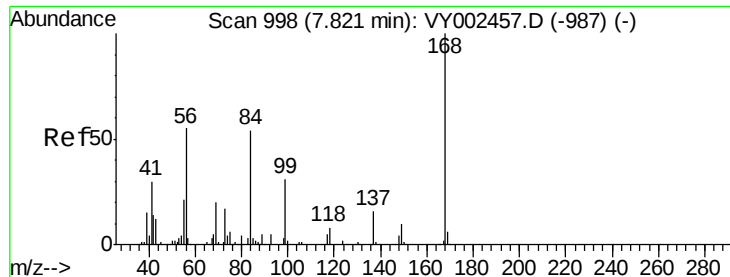
Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM

Quant Time: Apr 24 02:35:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	228478	51.814	ug/l	99
94) Hexachlorobutadiene	15.13	225	135546	50.933	ug/l	100
95) Naphthalene	15.25	128	438578	53.627	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	197616	52.835	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVY042320

Tot Ion:168 Resp: 312307

Ion Ratio Lower Upper

168 100

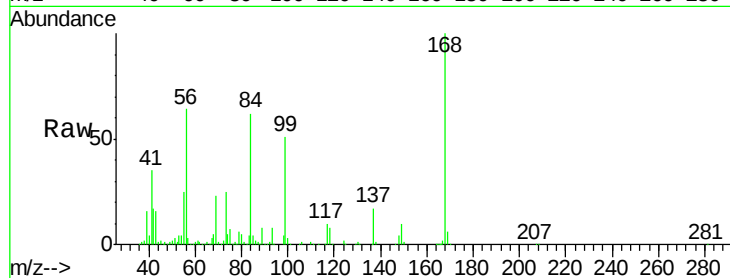
99 50.8 39.7 59.5

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.81

150000

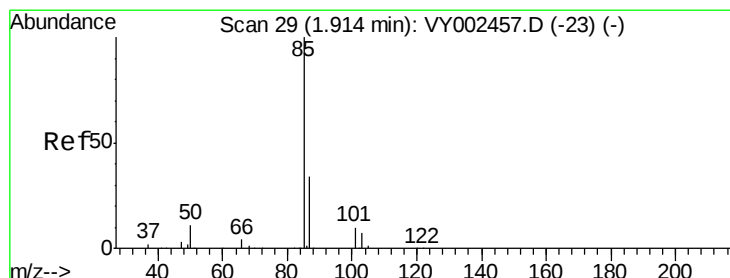
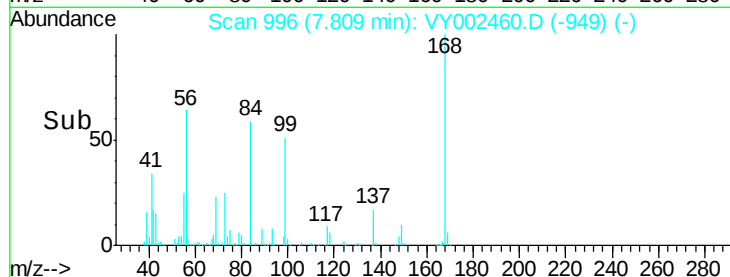
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 56.726 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002460.D

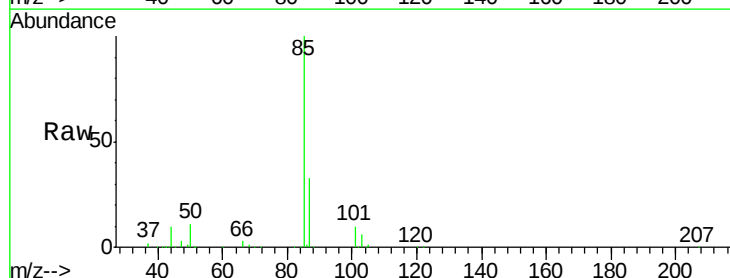
Acq: 23 Apr 2020 14:57

Tgt Ion: 85 Resp: 129743

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY002457.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY002457.D (-23) (-)

1.91

100000

80000

60000

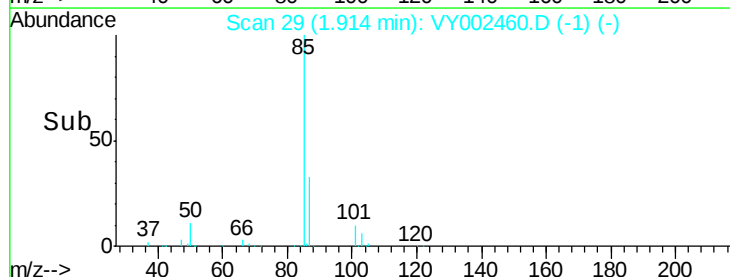
40000

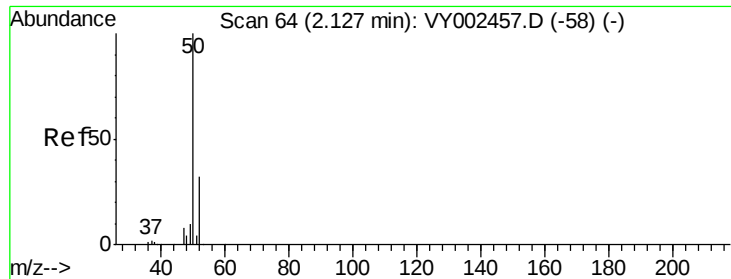
20000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 52.827 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY042320

Tot Ion: 50 Resp: 153731

Ion Ratio Lower Upper

50 100

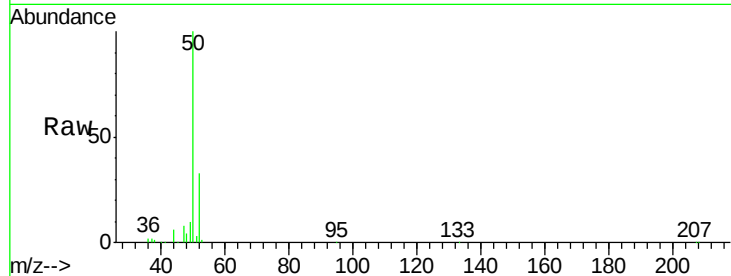
52 32.8 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

120000

100000

80000

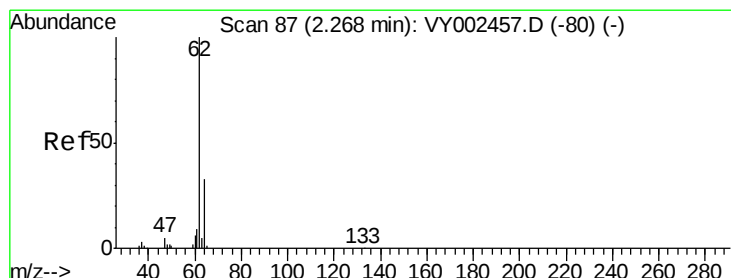
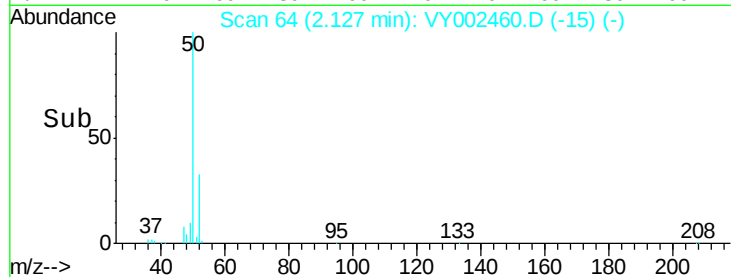
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 65.712 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002460.D

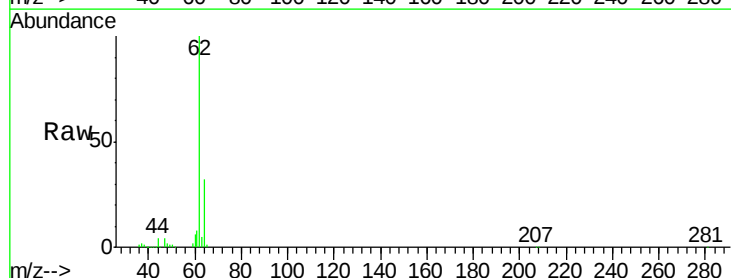
Acq: 23 Apr 2020 14:57

Tgt Ion: 62 Resp: 137374

Ion Ratio Lower Upper

62 100

64 31.5 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

100000

80000

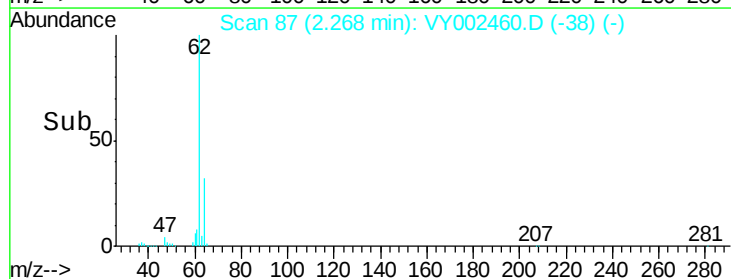
60000

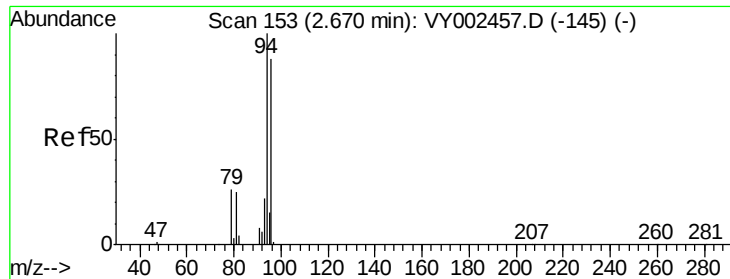
40000

20000

0

Time-->





#5

Bromomethane

Concen: 49.637 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY042320

Tot Ion: 94 Resp: 58240

Ion Ratio Lower Upper

94 100

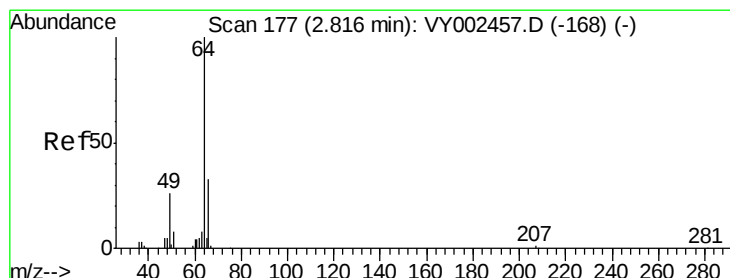
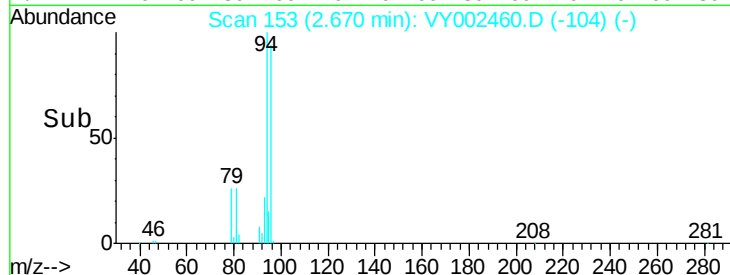
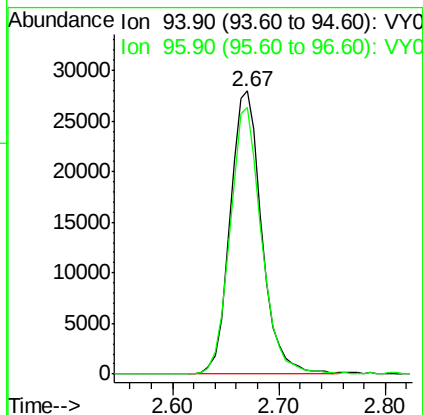
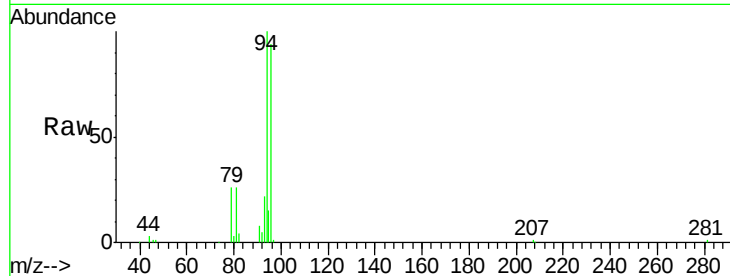
96 94.3 70.2 105.4

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



#6

Chloroethane

Concen: 46.787 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY002460.D

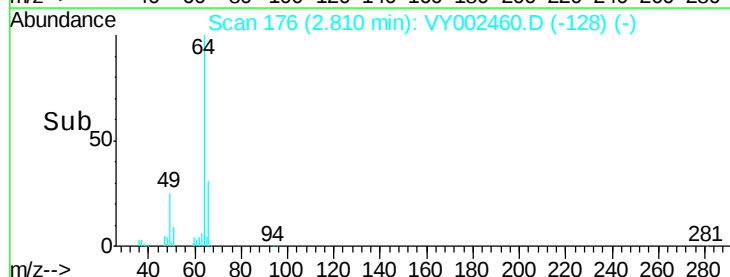
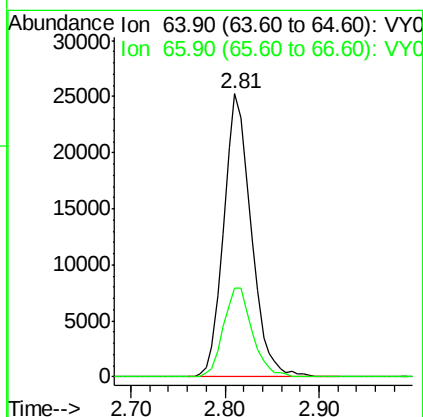
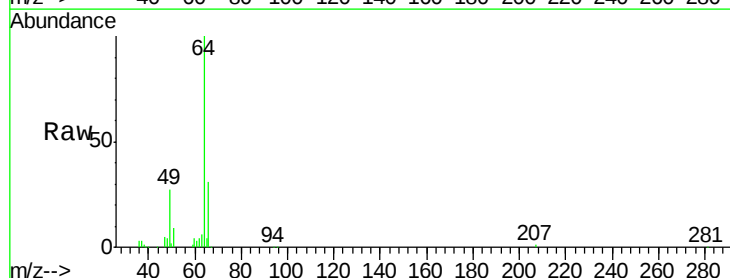
Acq: 23 Apr 2020 14:57

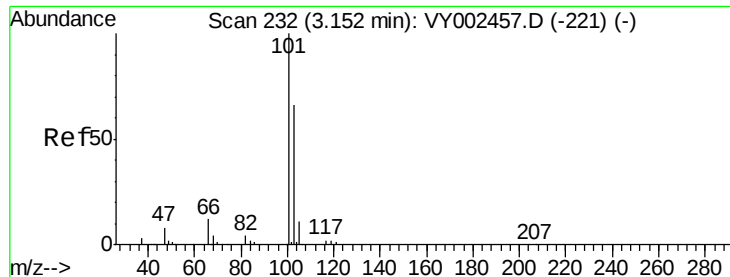
Tgt Ion: 64 Resp: 51189

Ion Ratio Lower Upper

64 100

66 31.4 26.6 40.0





#7

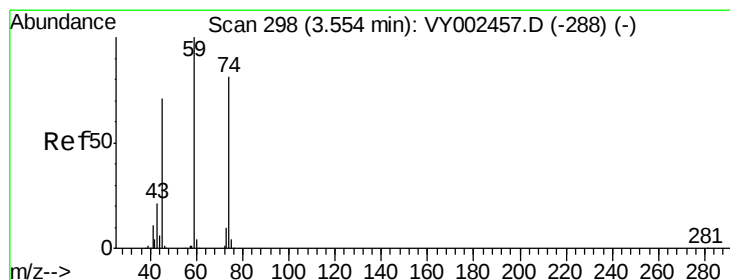
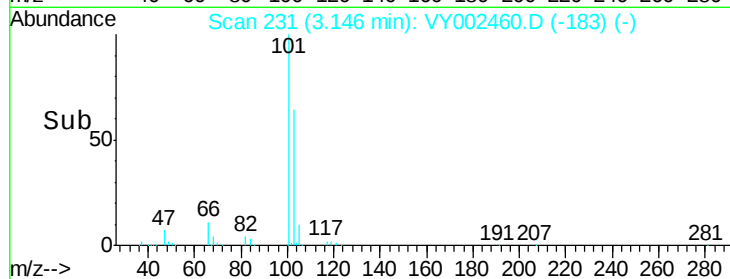
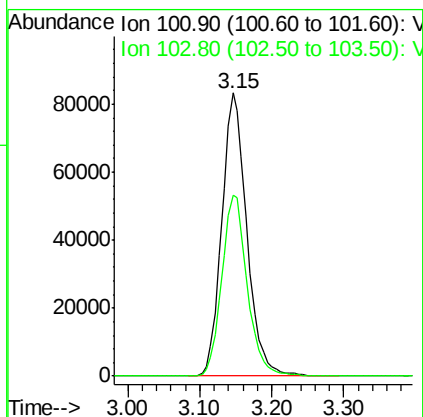
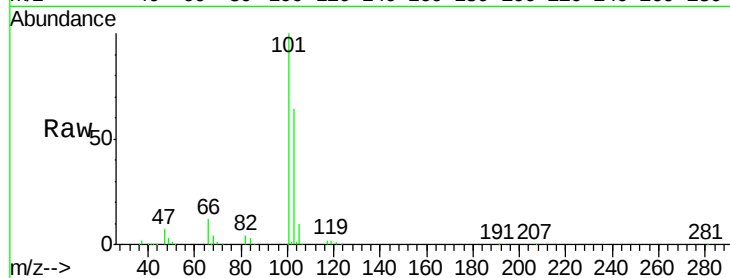
Trichlorofluoromethane
Concen: 52.999 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.5	78.7

Manual Integrations
APPROVED

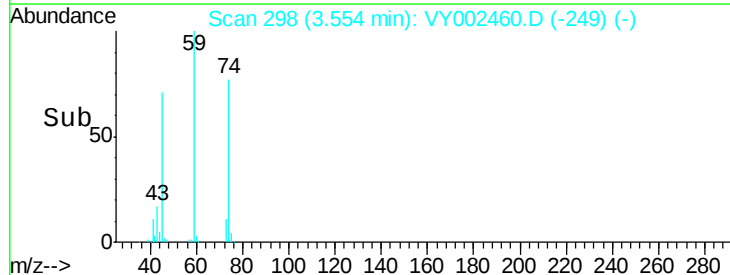
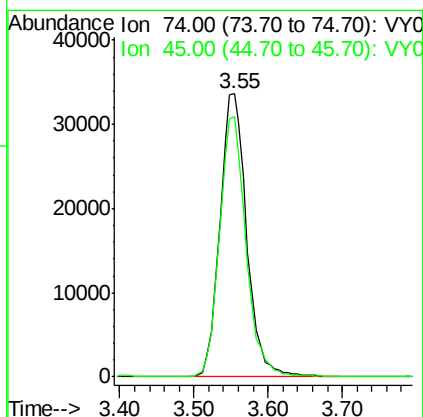
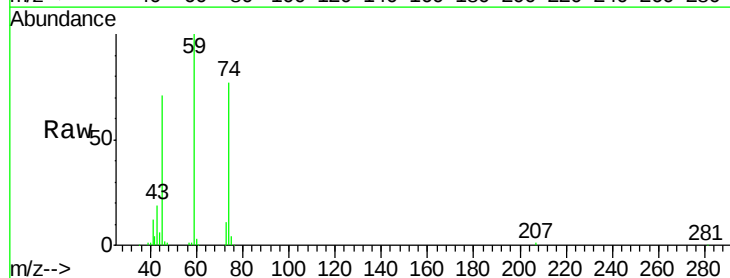
MMDadoda
4/24/2020 1:33:41 PM

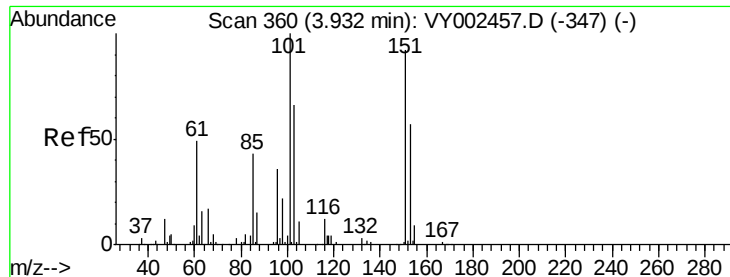


#8

Diethyl Ether
Concen: 53.675 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	44.0	132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.380 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

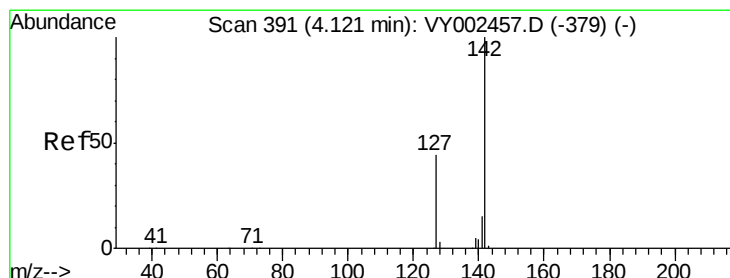
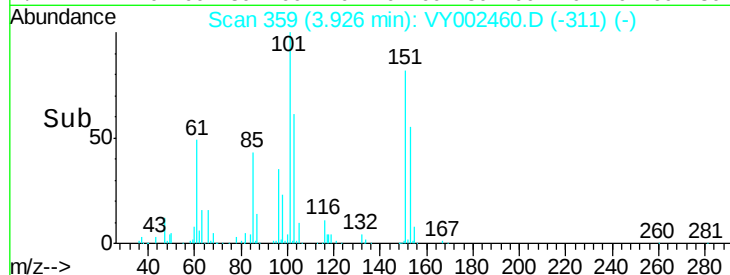
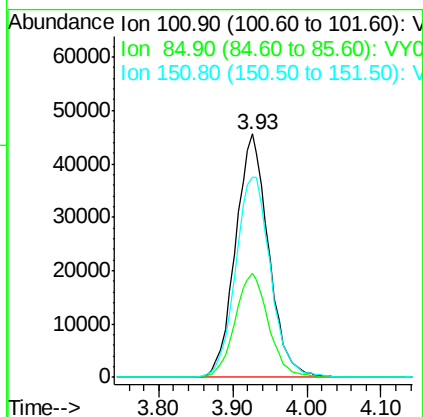
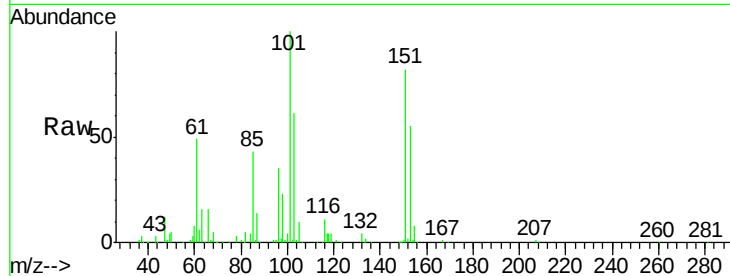
ClientSampleId :

ICVVY042320

Tot Ion:	101	Resp:	141899
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.1	51.1
151	87.2	70.3	105.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#10

Methyl Iodide

Concen: 53.591 ug/l

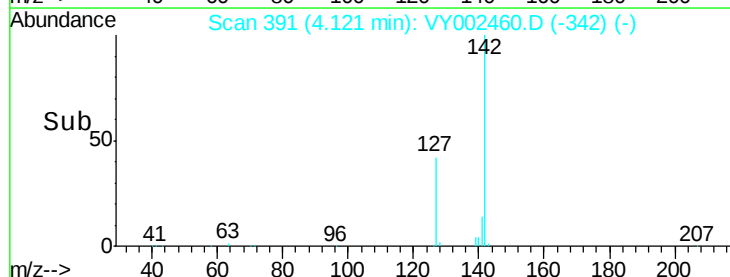
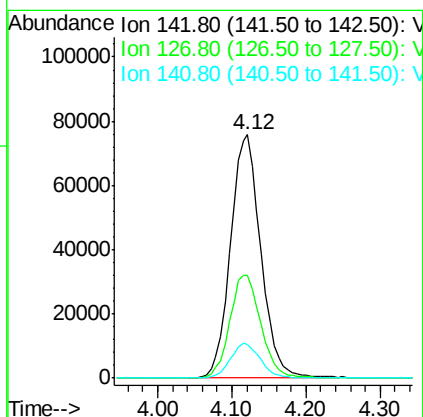
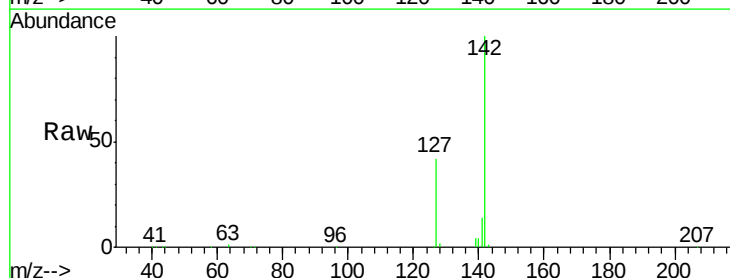
RT: 4.12 min Scan# 391

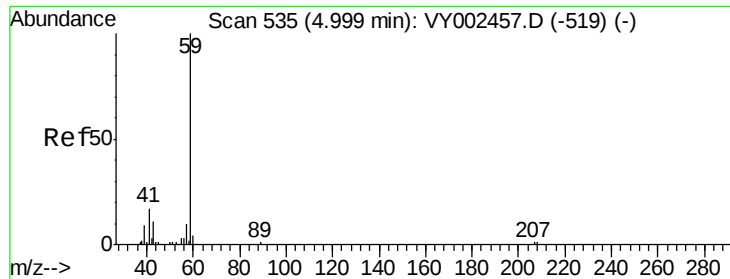
Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	142	Resp:	215731
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.8	53.8
141	14.2	11.6	17.4





#11

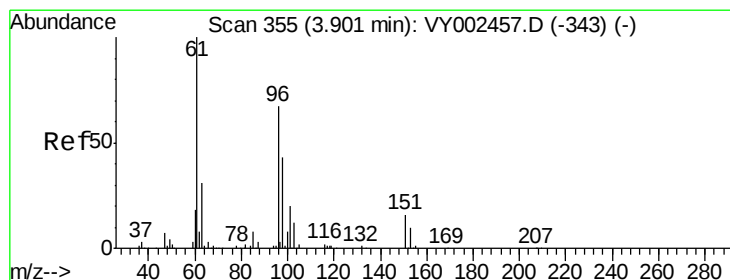
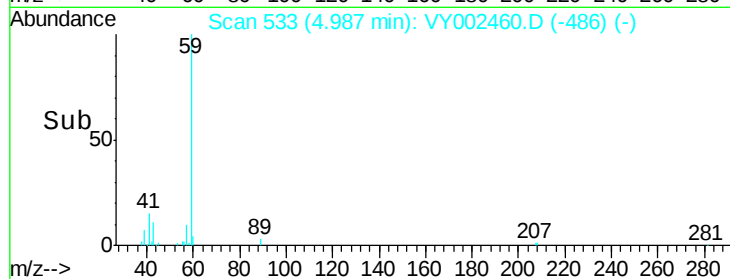
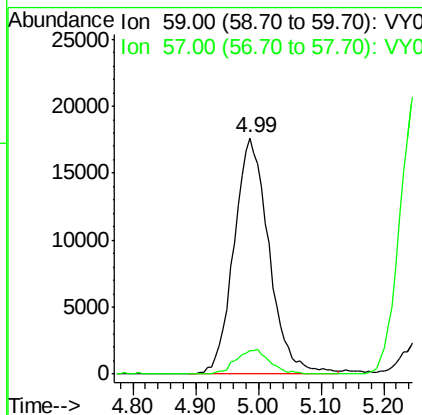
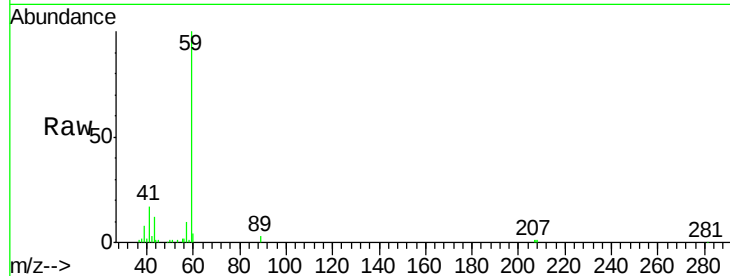
Tert butyl alcohol
Concen: 265.357 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	68174		
57	57	10.1		8.4	12.6

Manual Integrations
APPROVED

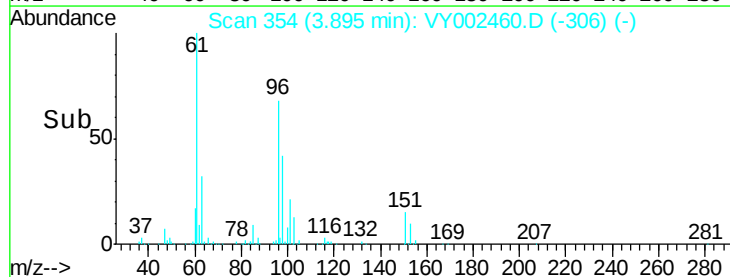
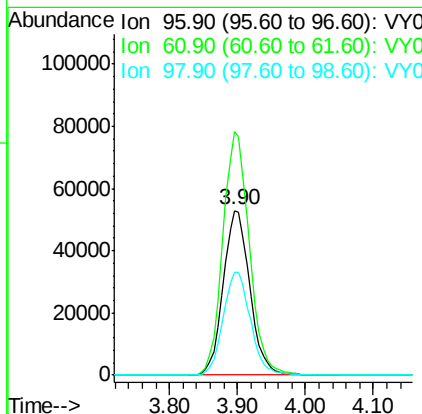
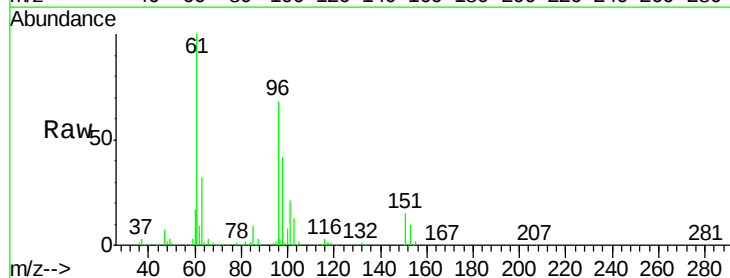
MMDadoda
4/24/2020 1:33:41 PM

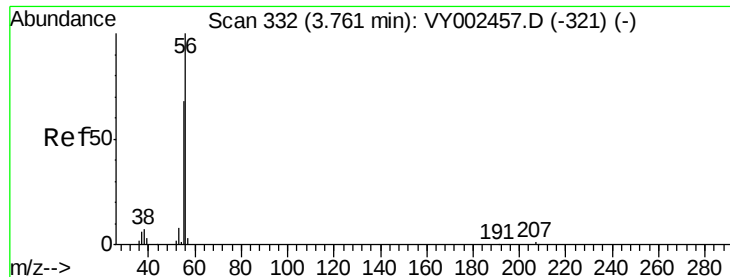


#12

1,1-Dichloroethene
Concen: 53.699 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	143566		
61	61	147.9		119.0	178.6
98	98	62.6		51.4	77.2





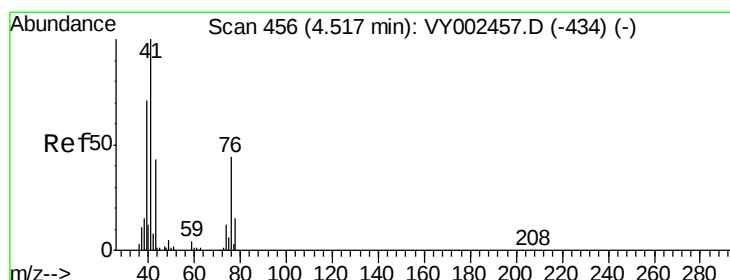
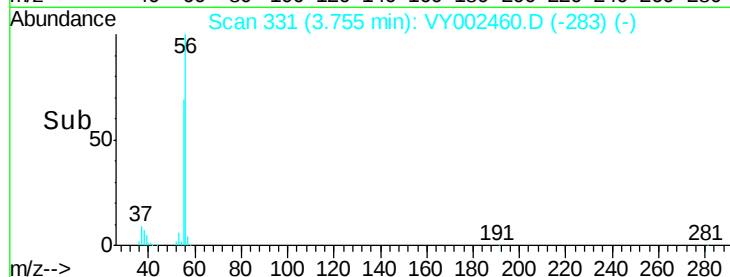
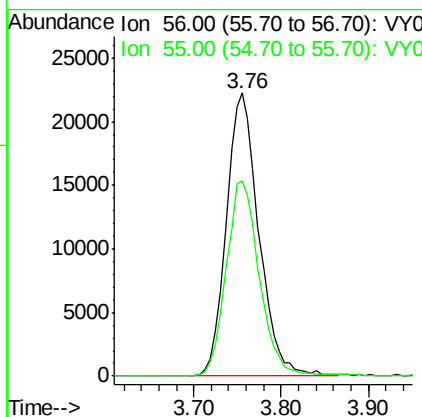
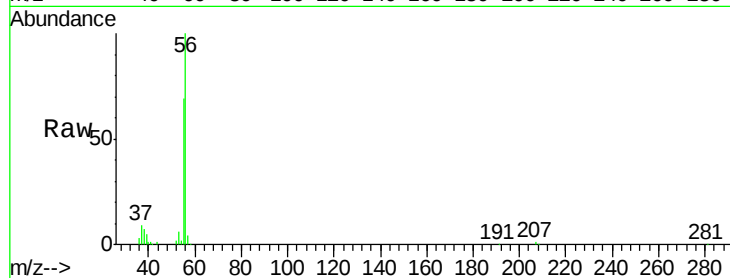
#13
Acrolein
Concen: 278.930 ug/l
RT: 3.76 min Scan# 331
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042320

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.8	83.6

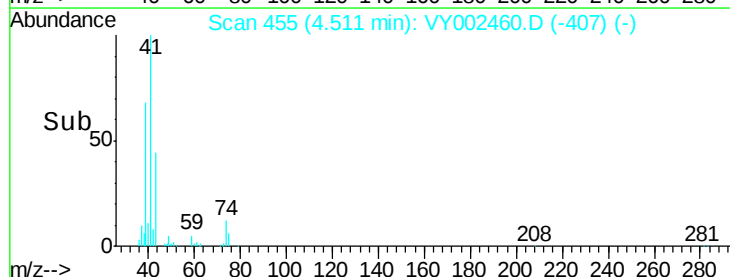
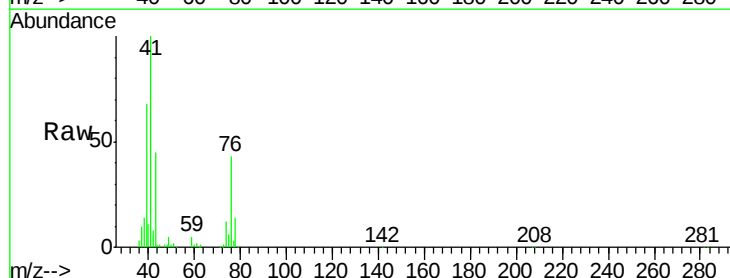
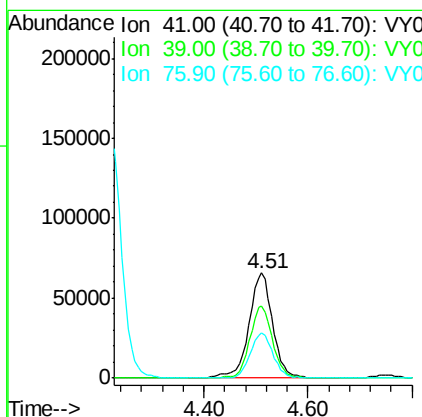
Manual Integrations
APPROVED

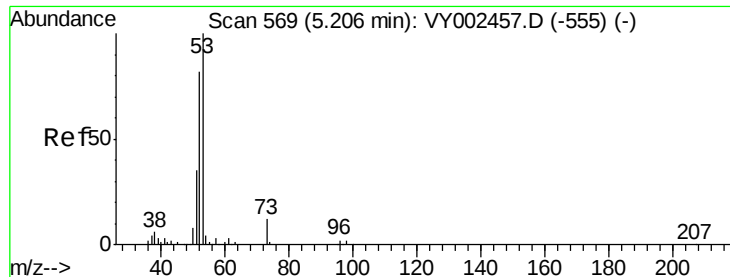
MMDadoda
4/24/2020 1:33:41 PM



#14
Allyl chloride
Concen: 52.624 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	55.1	82.7
76	41.1	34.3	51.5





#15

Acrylonitrile

Concen: 264.588 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

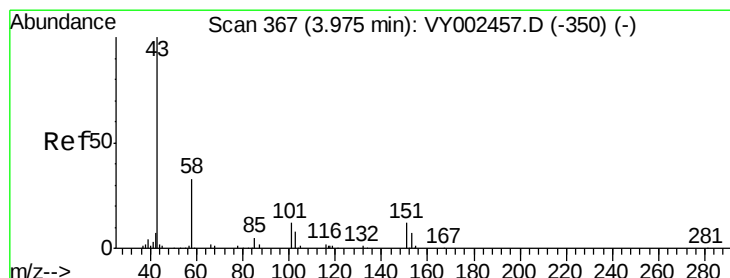
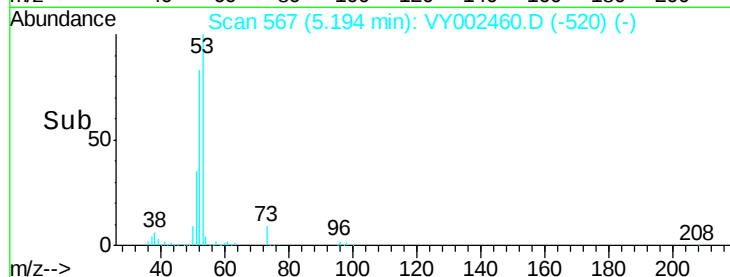
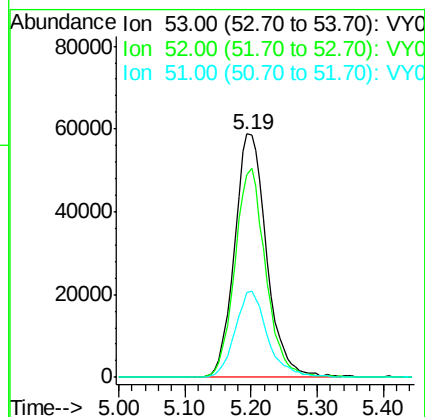
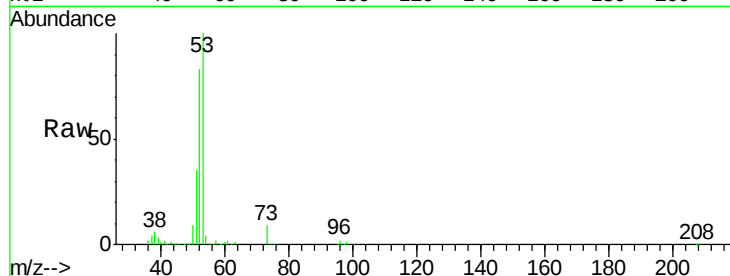
ClientSampleId :

ICVVY042320

Tot Ion:	53	Resp:	197810
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.4	98.2
51	35.8	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#16

Acetone

Concen: 319.021 ug/l

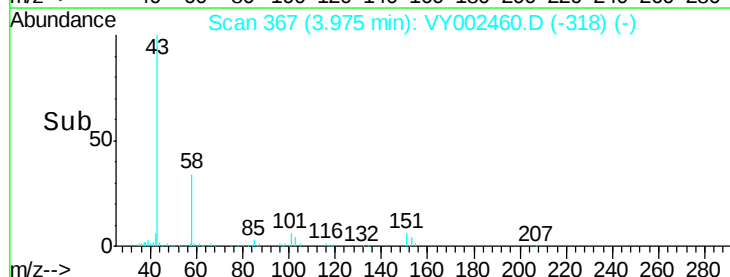
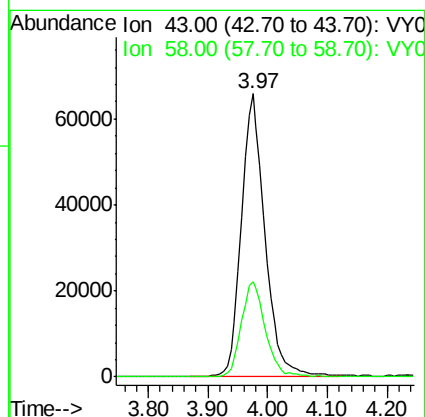
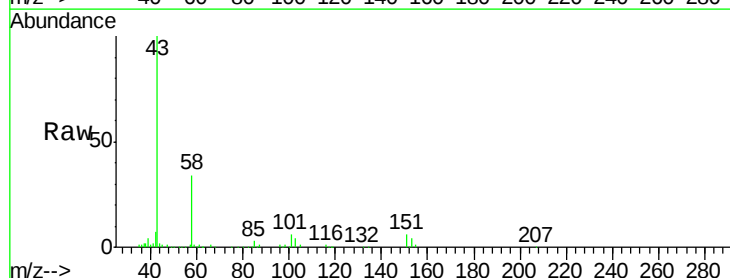
RT: 3.97 min Scan# 367

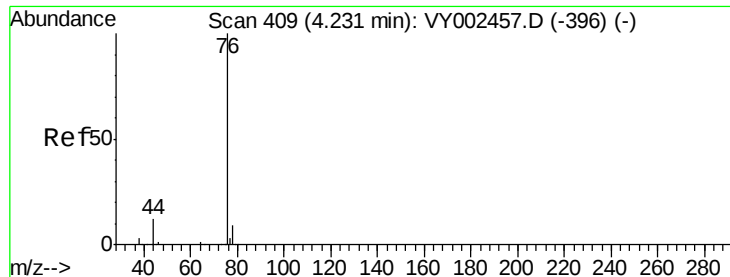
Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	43	Resp:	181987
Ion Ratio	Lower	Upper	
43	100		
58	33.8	26.4	39.6





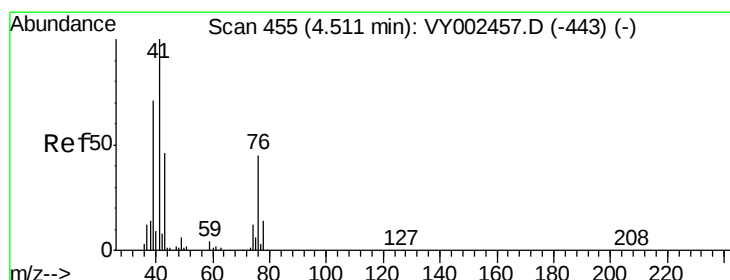
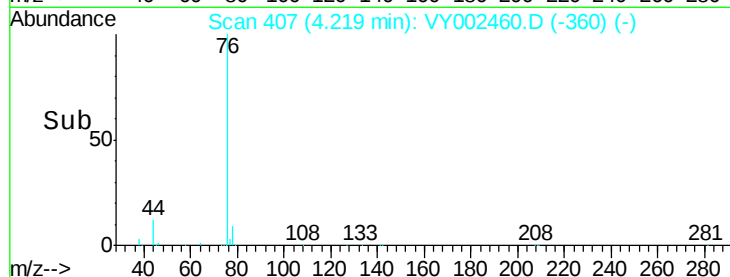
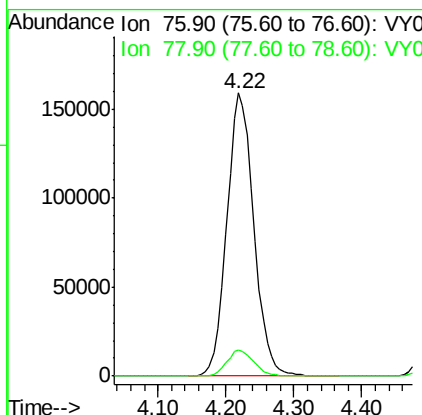
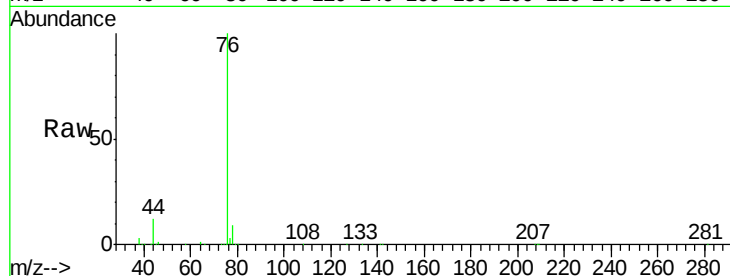
#17
Carbon Disulfide
Concen: 52.375 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

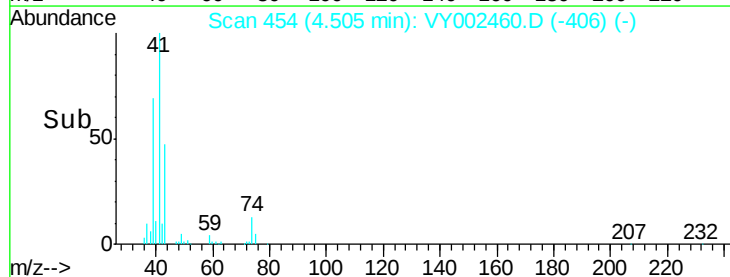
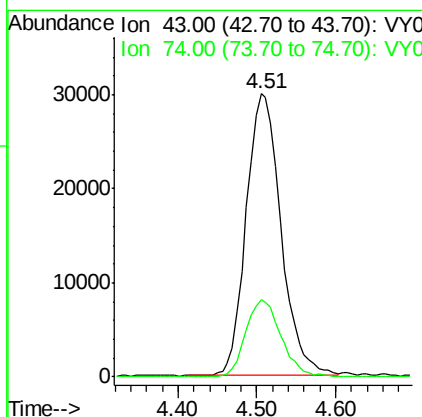
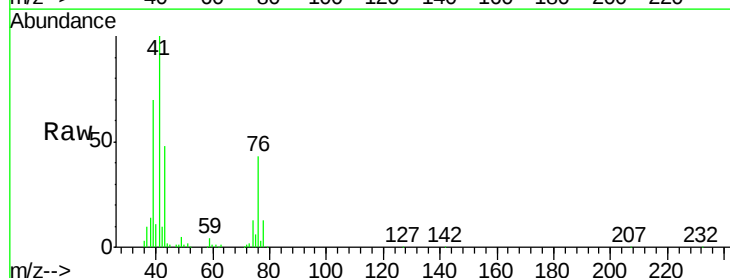
Manual Integrations
APPROVED

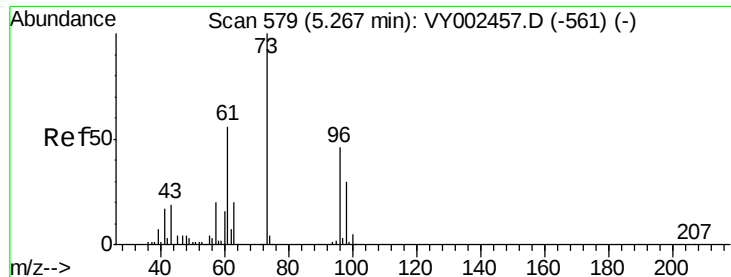
MMDadoda
4/24/2020 1:33:41 PM



#18
Methyl Acetate
Concen: 50.055 ug/l
RT: 4.51 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	22.0	33.0





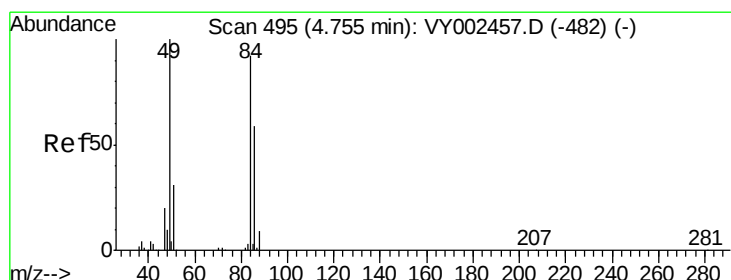
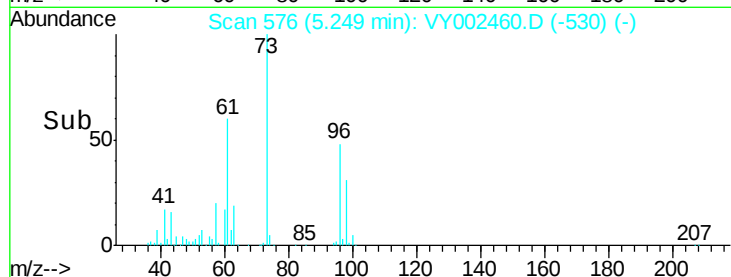
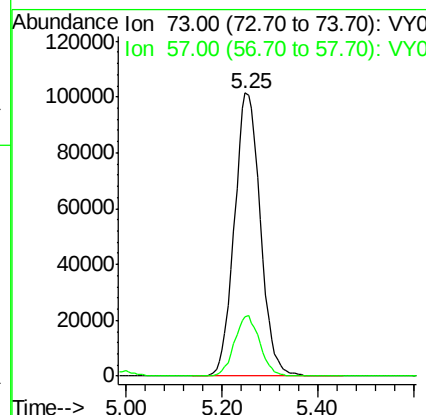
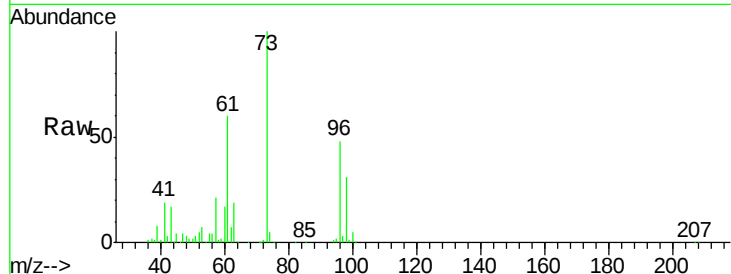
#19
Methvl tert-butvl Ether
Concen: 52.714 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.02 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion: 73 Resp: 380290
Ion Ratio Lower Upper
73 100
57 20.8 16.0 24.0

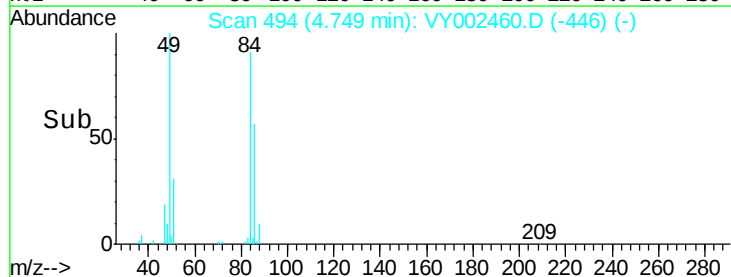
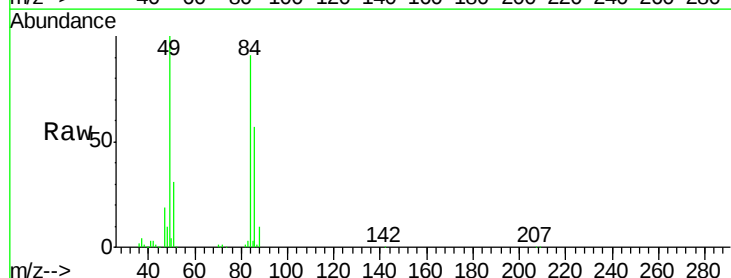
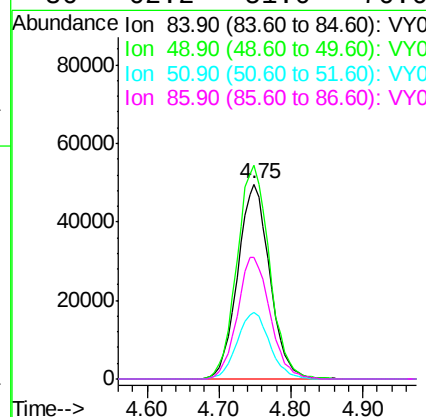
Manual Integrations
APPROVED

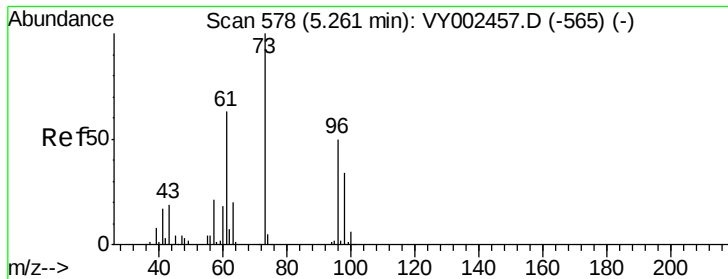
MMDadoda
4/24/2020 1:33:41 PM



#20
Methylene Chloride
Concen: 47.099 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion: 84 Resp: 153398
Ion Ratio Lower Upper
84 100
49 109.7 86.9 130.3
51 34.2 27.3 40.9
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.172 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

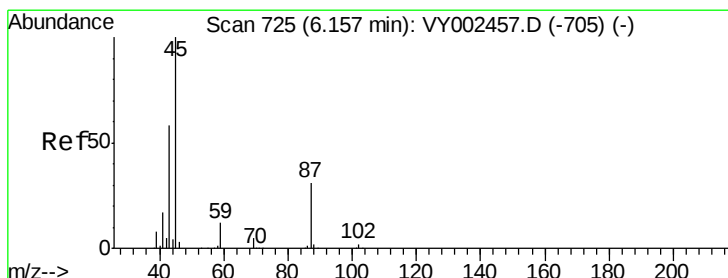
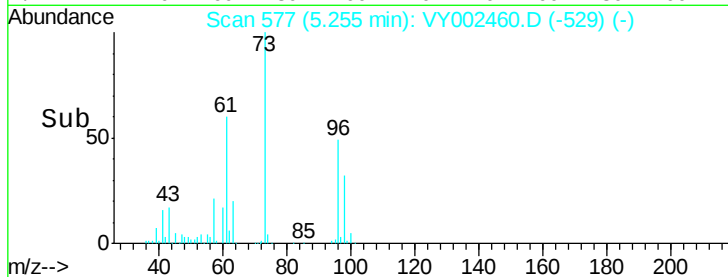
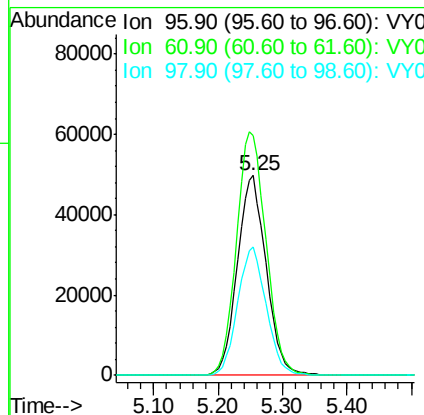
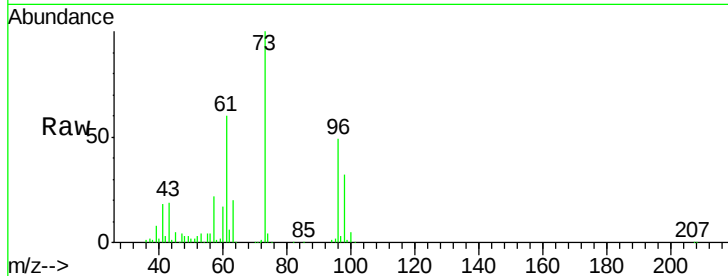
ClientSampleId :

ICVY042320

Tot Ion:	96	Resp:	154027
Ion	Ratio	Lower	Upper
96	100		
61	120.5	101.4	152.0
98	64.7	53.6	80.4

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#22

Diisopropyl ether

Concen: 50.780 ug/l

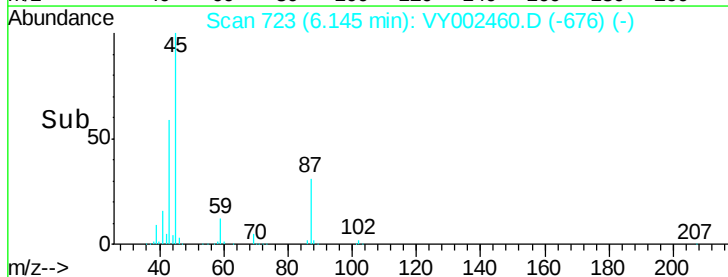
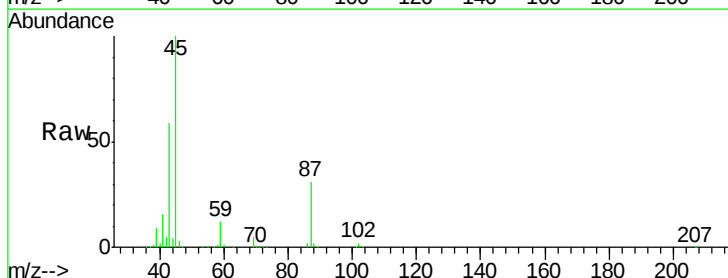
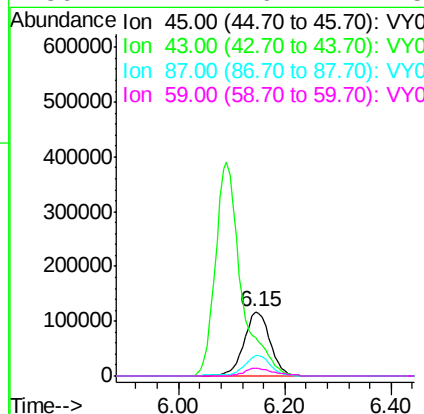
RT: 6.15 min Scan# 723

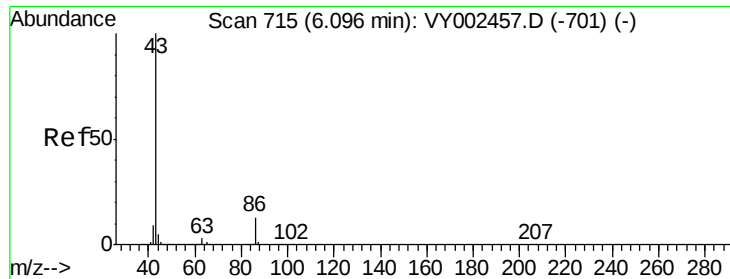
Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	45	Resp:	394479
Ion	Ratio	Lower	Upper
45	100		
43	58.5	47.1	70.7
87	31.3	25.0	37.6
59	12.4	9.7	14.5





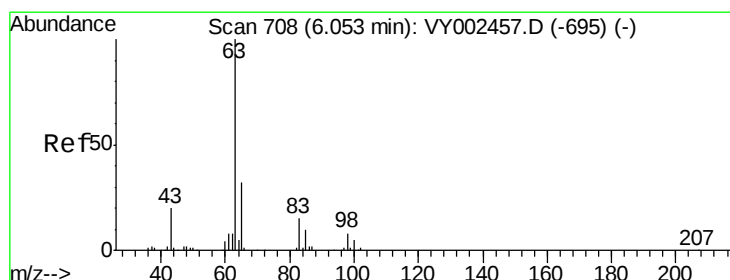
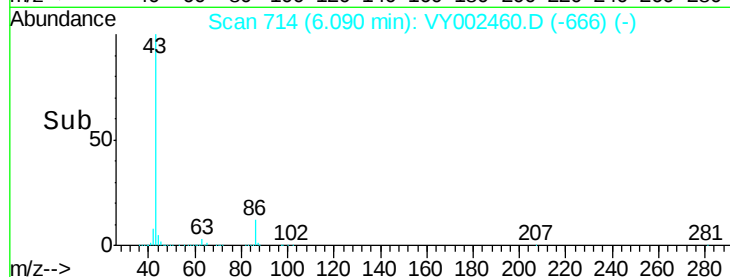
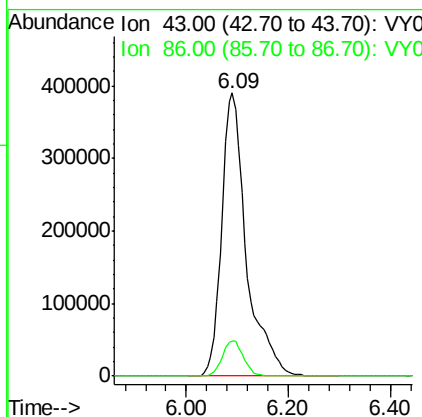
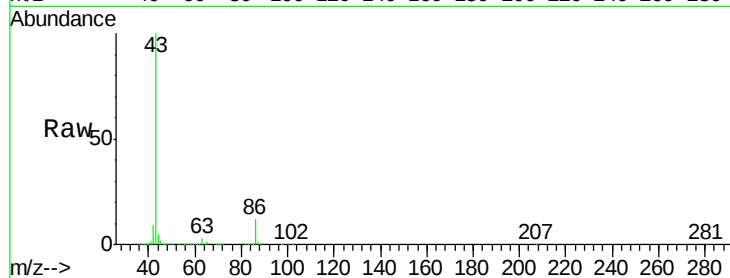
#23
 Vinyl Acetate
 Concen: 265.740 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion: 43 Resp: 1311756
 Ion Ratio Lower Upper
 43 100
 86 12.3 10.2 15.4

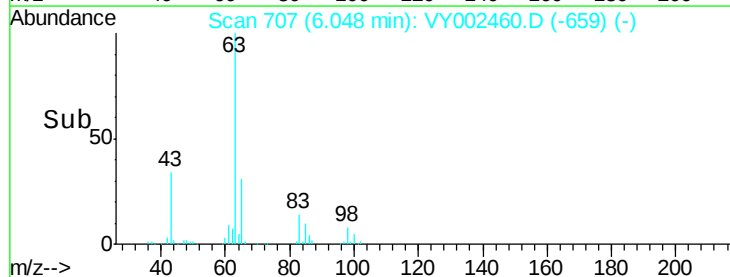
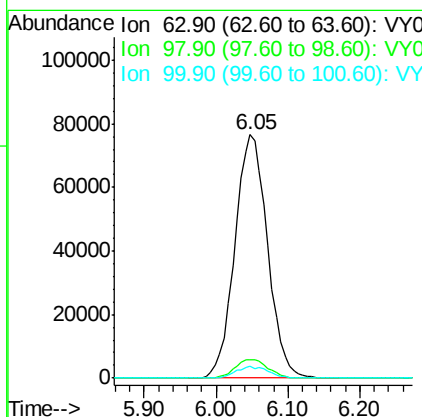
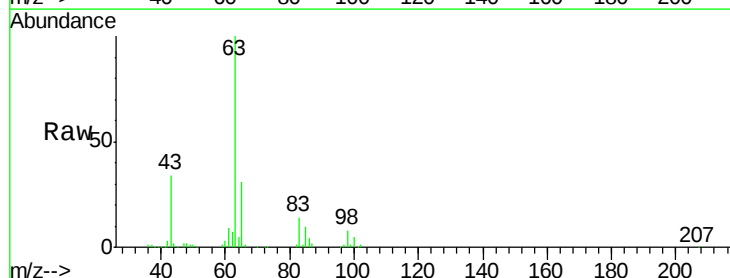
Manual Integrations
 APPROVED

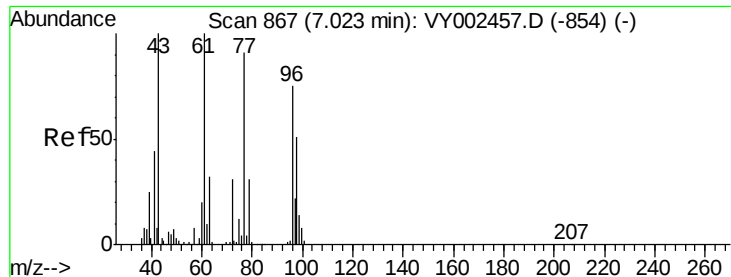
MMDadoda
 4/24/2020 1:33:41 PM



#24
 1,1-Dichloroethane
 Concen: 51.268 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion: 63 Resp: 241123
 Ion Ratio Lower Upper
 63 100
 98 7.8 4.1 12.3
 100 5.0 2.5 7.4





#25

2-Butanone

Concen: 278.914 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY042320

Tot Ion: 43 Resp: 243755

Ion Ratio Lower Upper

43 100

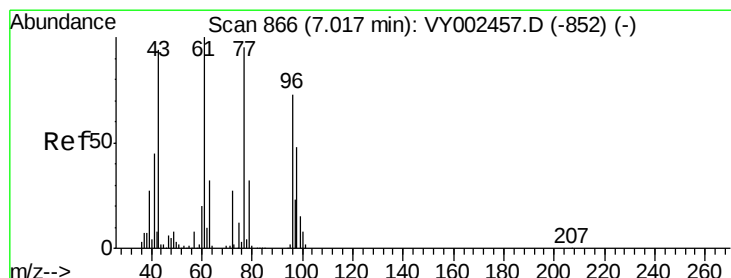
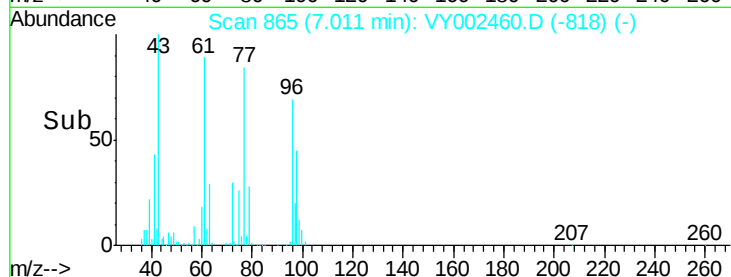
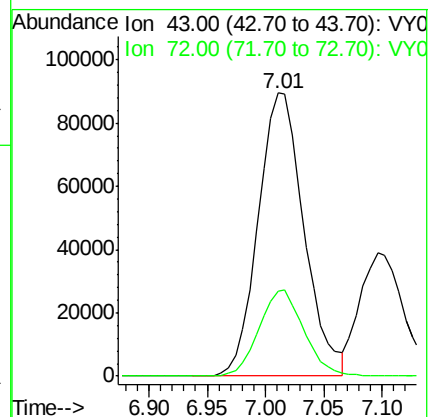
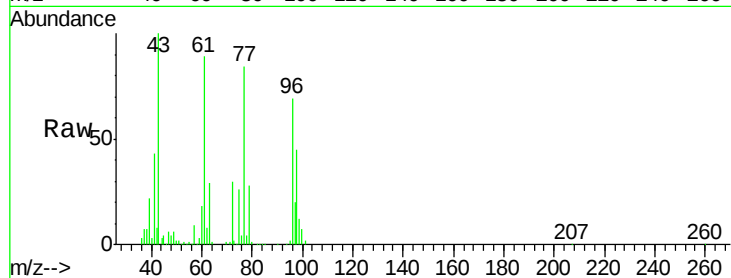
72 30.0 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



#26

2,2-Dichloropropane

Concen: 52.154 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002460.D

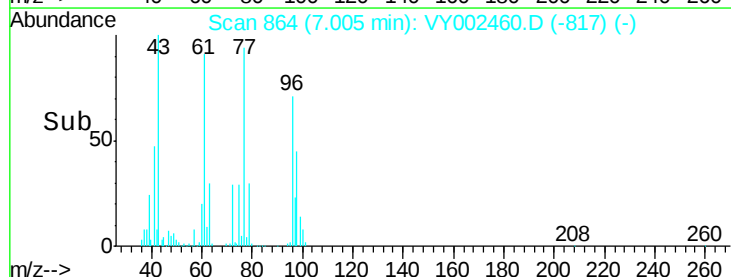
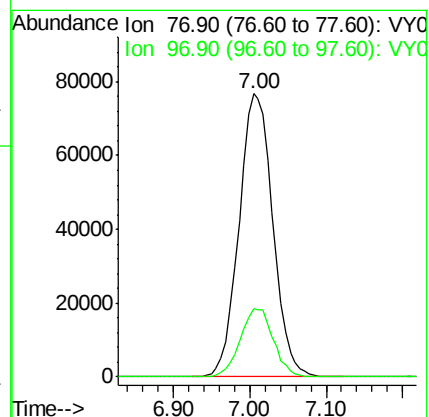
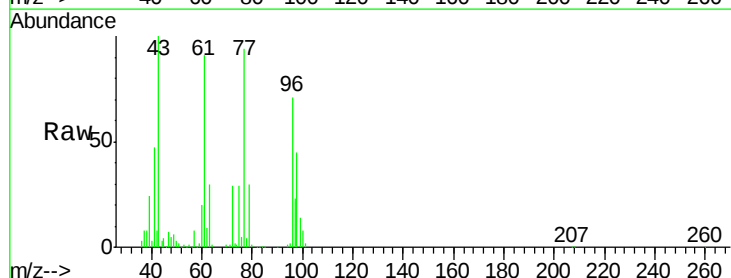
Acq: 23 Apr 2020 14:57

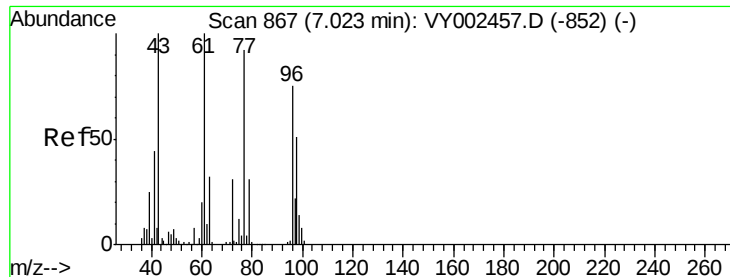
Tgt Ion: 77 Resp: 234585

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.0





#27

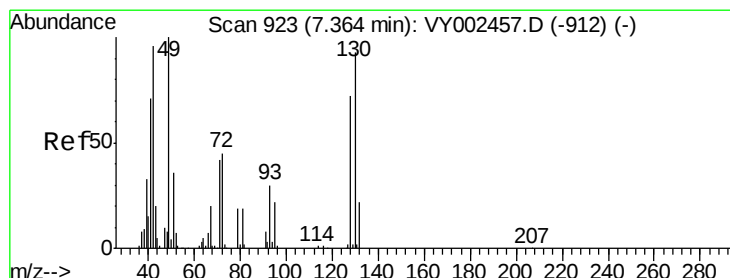
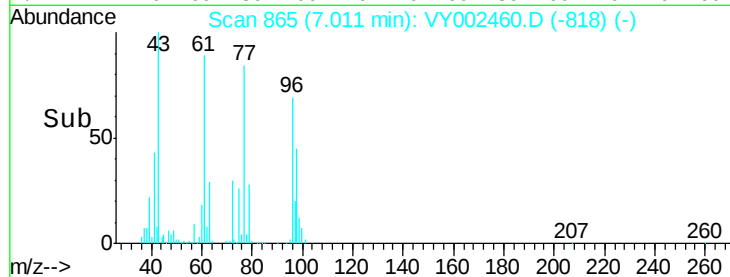
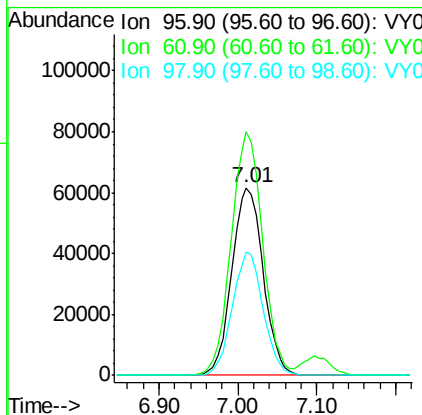
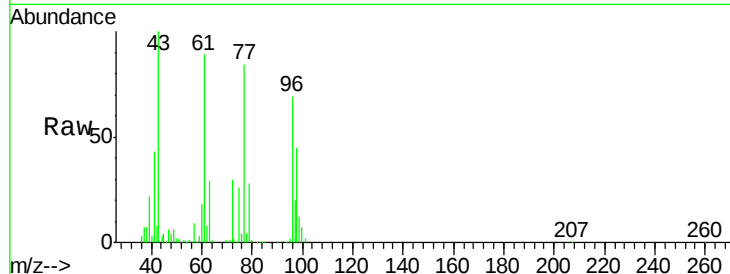
cis-1,2-Dichloroethene
Concen: 51.983 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042320

Tot Ion	Ratio	Resp	Lower	Upper
96	100	170182		
61	130.6	0.0	262.6	
98	64.3	0.0	131.0	

Manual Integrations
APPROVED

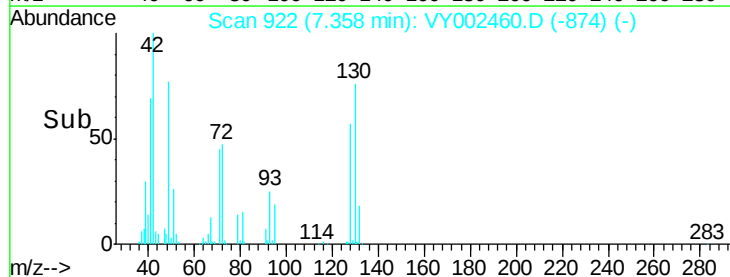
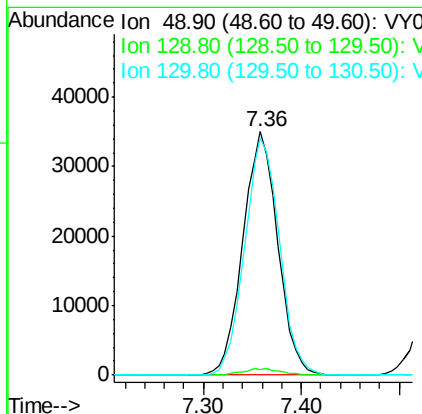
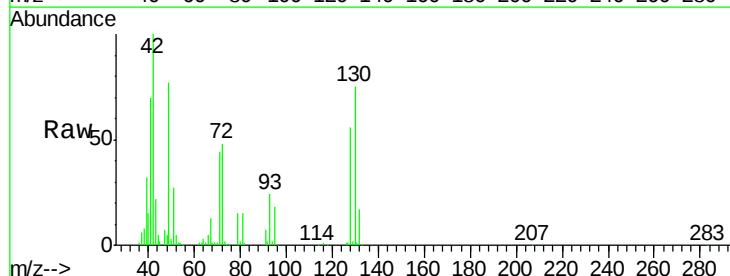
MMDadoda
4/24/2020 1:33:41 PM

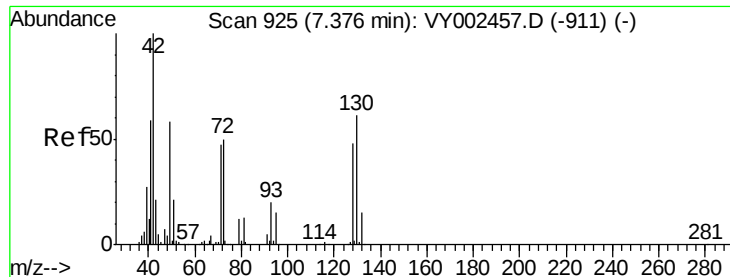


#28

Bromochloromethane
Concen: 47.235 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86669		
129	2.8	0.0	5.6	
130	97.8	76.3	114.5	





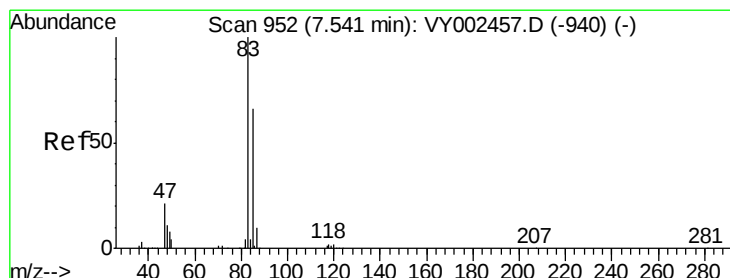
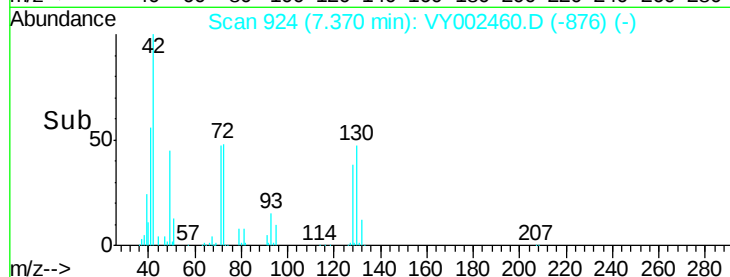
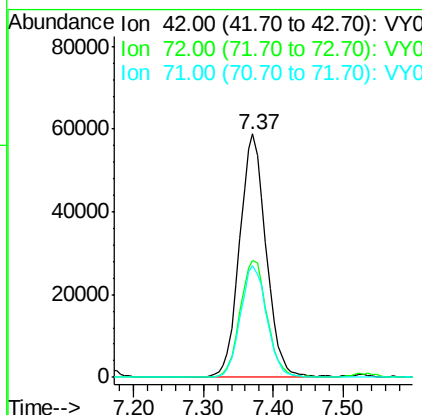
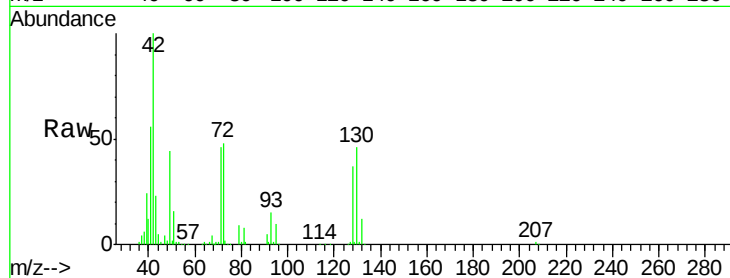
#29
Tetrahydrofuran
Concen: 267.790 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042320

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.5	59.3
71	45.4	37.6	56.4

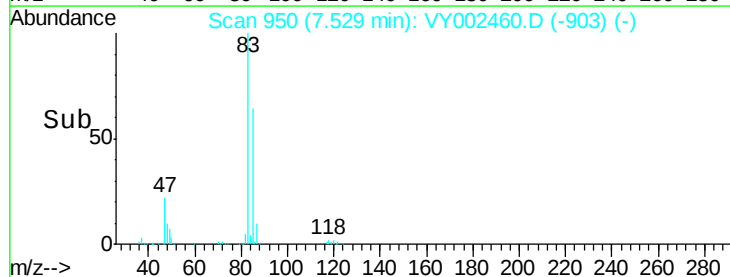
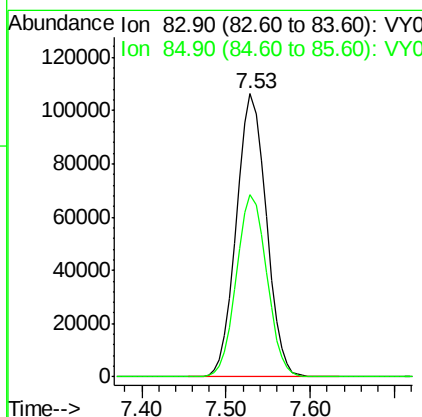
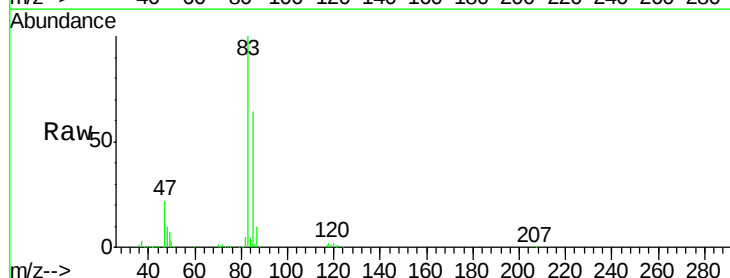
Manual Integrations
APPROVED

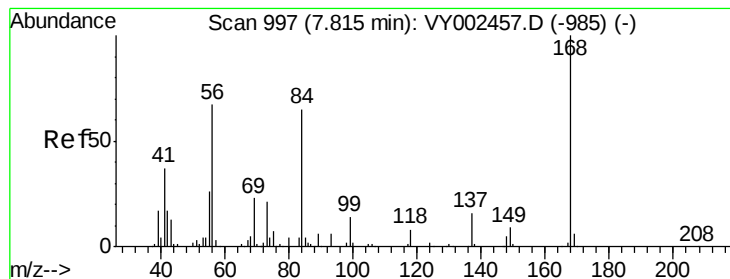
MMDadoda
4/24/2020 1:33:41 PM



#30
Chloroform
Concen: 51.084 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6





#31

Cyclohexane

Concen: 48.535 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

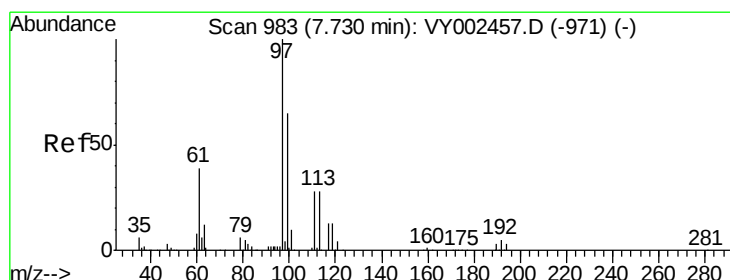
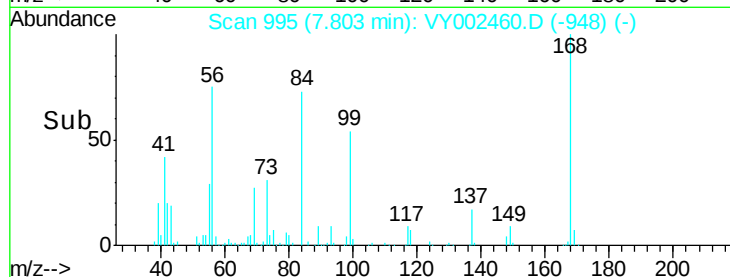
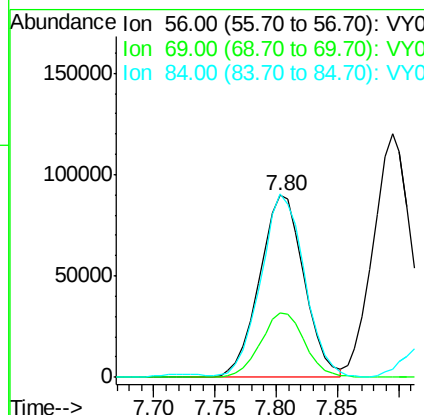
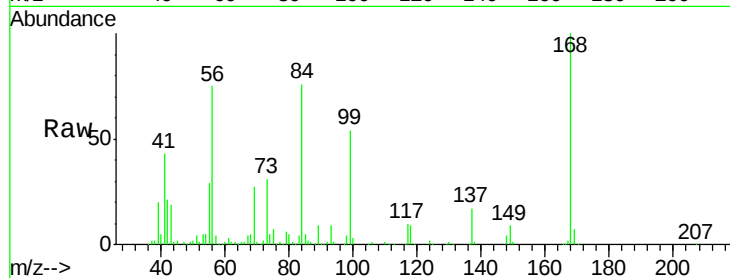
ClientSampleId :

ICVY042320

Tot Ion:	56	Resp:	228262
Ion Ratio	Lower	Upper	
56	100		
69	35.6	27.0	40.6
84	99.5	77.4	116.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#32

1,1,1-Trichloroethane

Concen: 52.035 ug/l

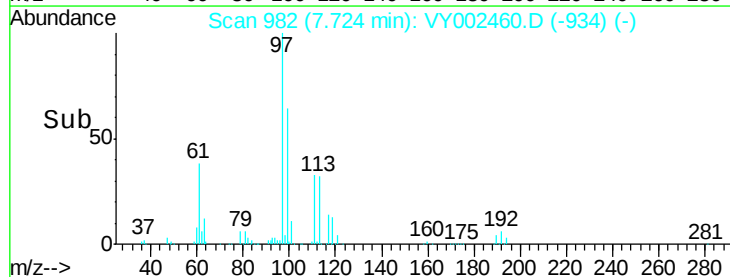
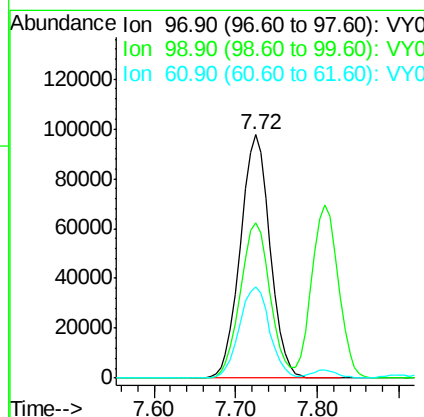
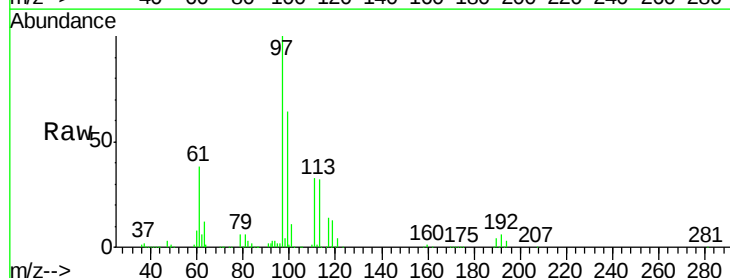
RT: 7.72 min Scan# 982

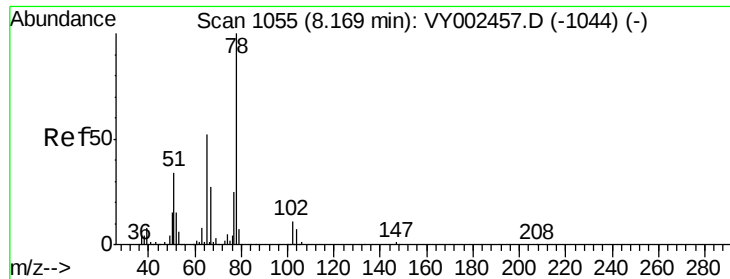
Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	97	Resp:	246223
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	38.4	30.6	45.8





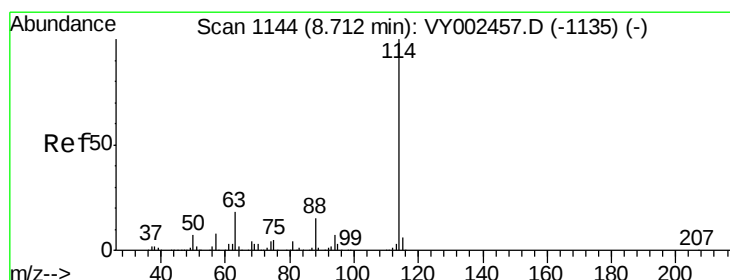
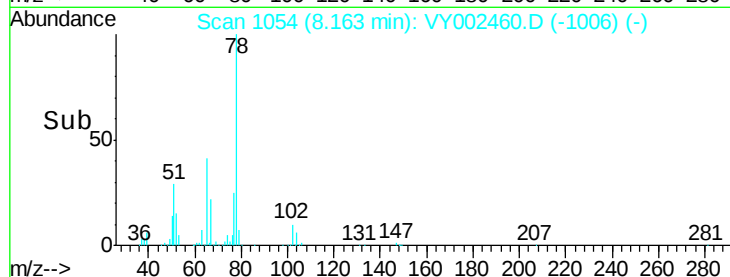
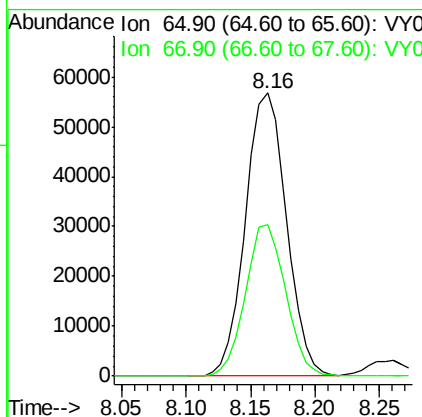
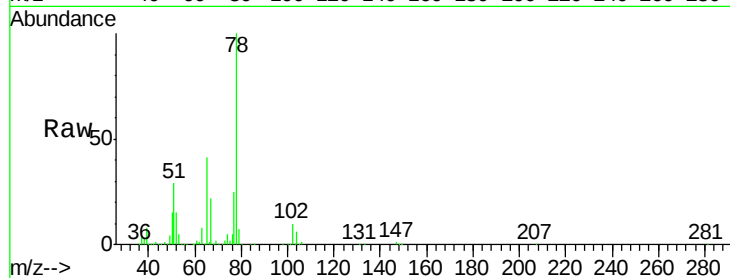
#33
 1,2-Dichloroethane-d4
 Concen: 45.999 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.2	

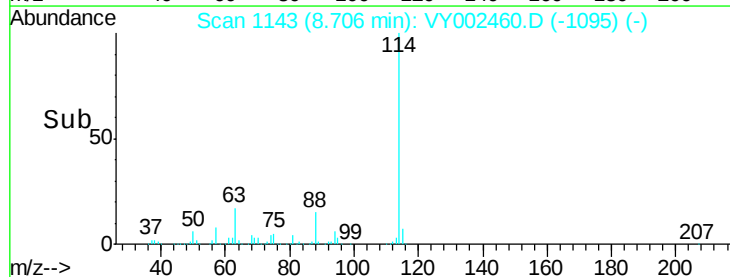
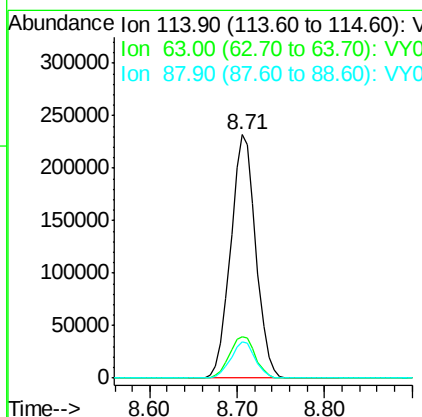
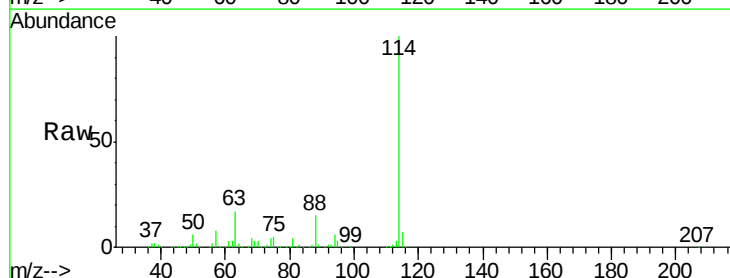
Manual Integrations
 APPROVED

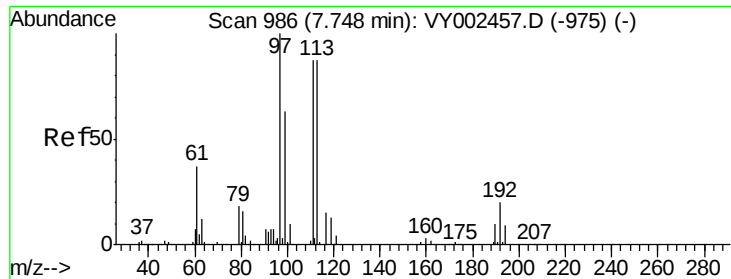
MMDadoda
 4/24/2020 1:33:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.1	0.0	35.6	
88	15.1	0.0	29.4	





#35

Dibromofluoromethane

Concen: 47.242 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

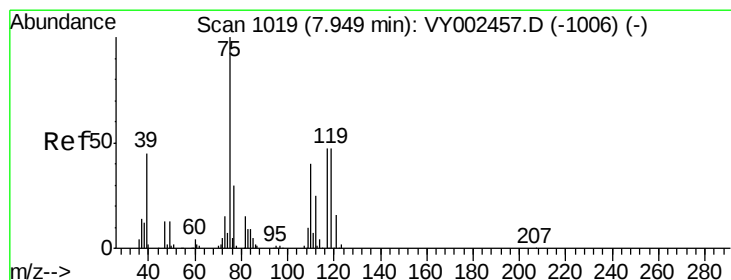
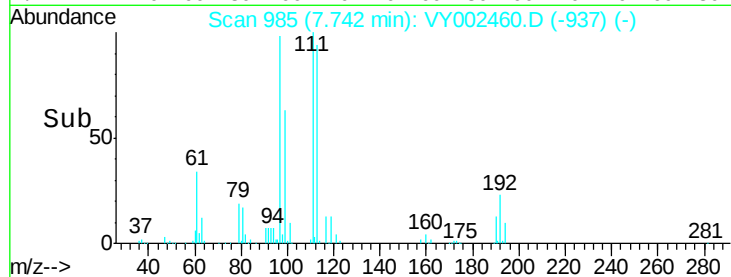
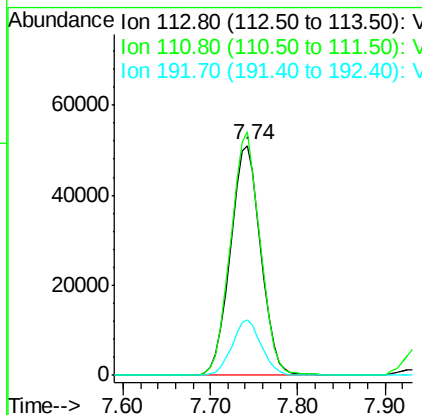
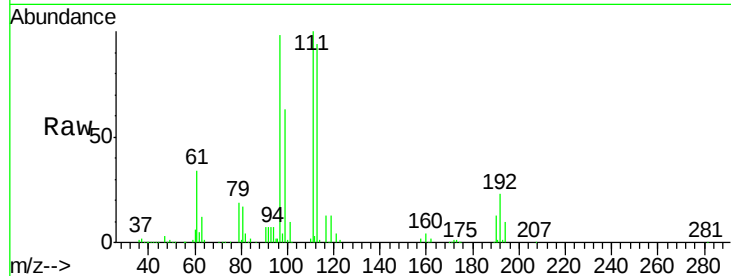
ClientSampleId :

ICVY042320

Tot Ion:	113	Resp:	122932
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.0	121.4
192	23.4	18.6	27.8

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#36

1,1-Dichloropropene

Concen: 51.107 ug/l

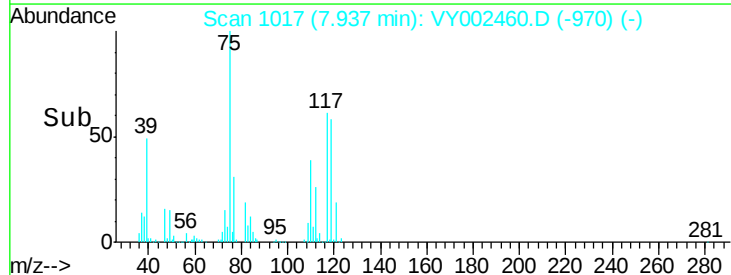
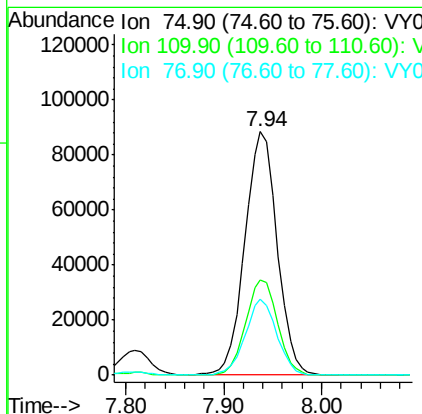
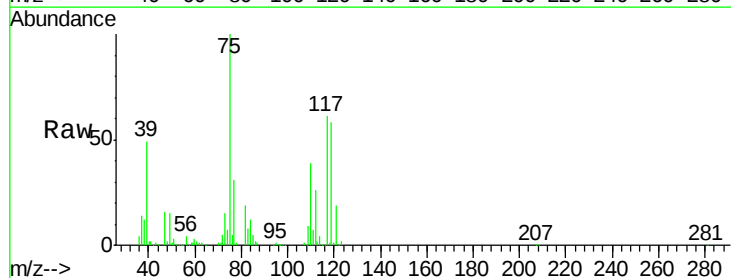
RT: 7.94 min Scan# 1017

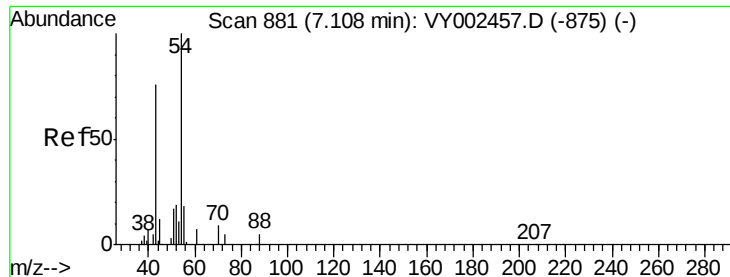
Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	75	Resp:	202165
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.4	58.4
77	30.6	24.7	37.1





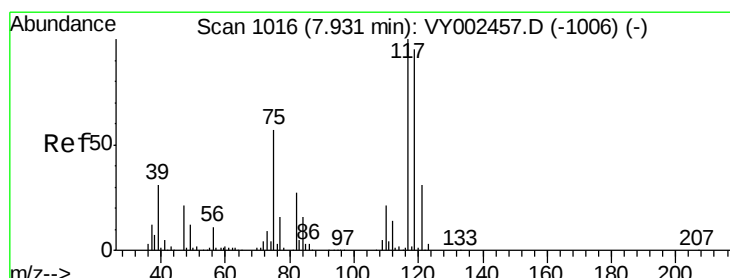
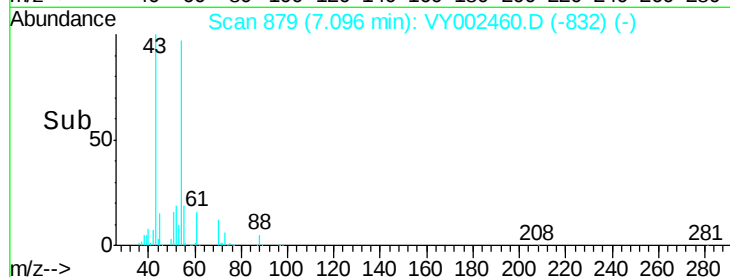
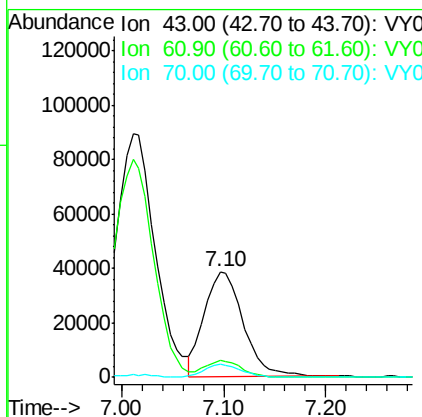
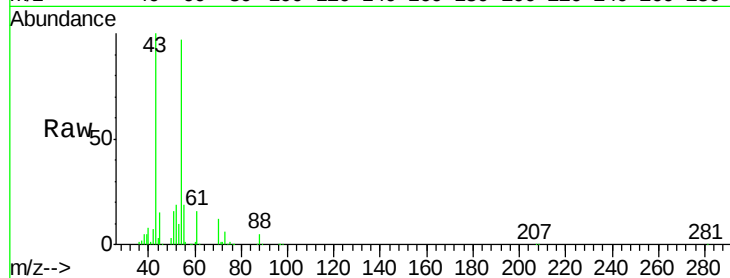
#37
Ethyl Acetate
Concen: 51.642 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	43	Resp	102627
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	12.0	9.3	13.9

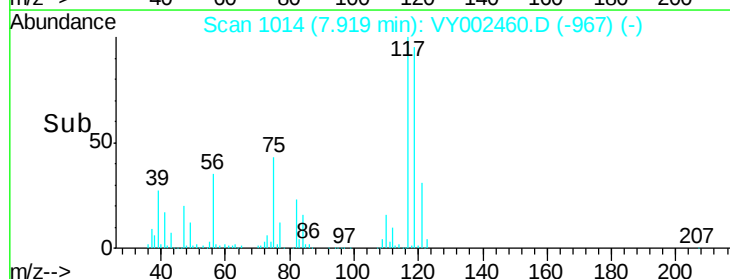
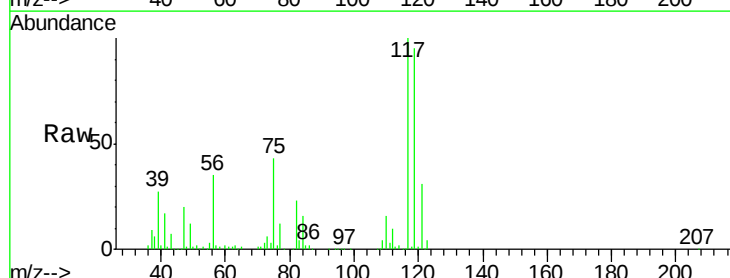
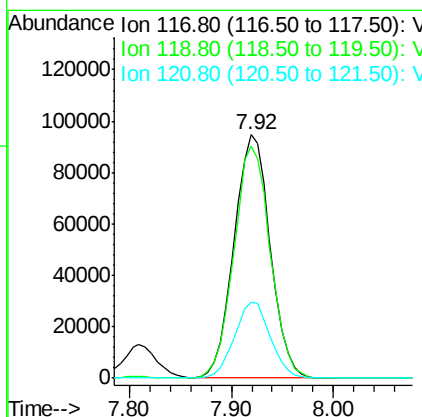
Manual Integrations
APPROVED

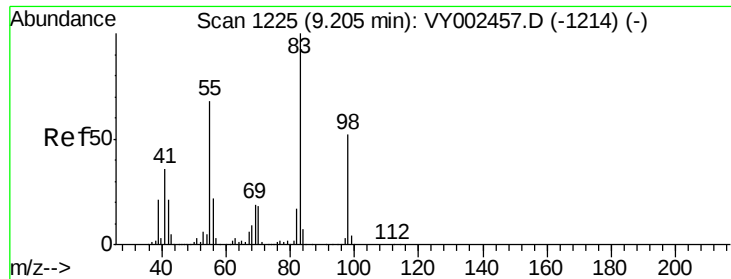
MMDadoda
4/24/2020 1:33:41 PM



#38
Carbon Tetrachloride
Concen: 51.145 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	117	Resp	232652
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.9	113.9
121	31.3	24.5	36.7





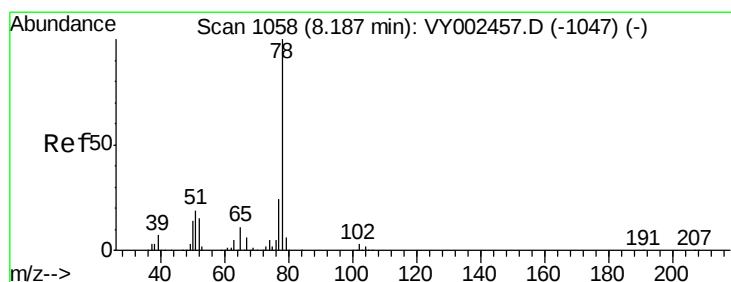
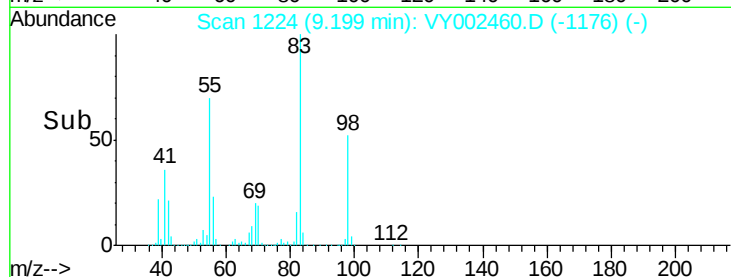
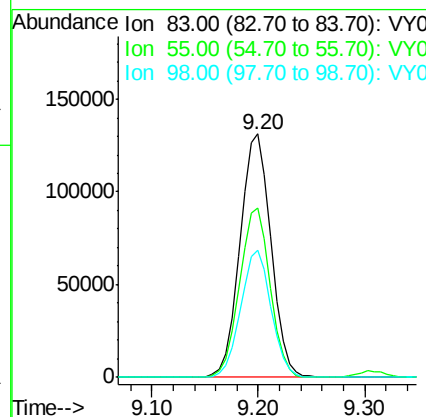
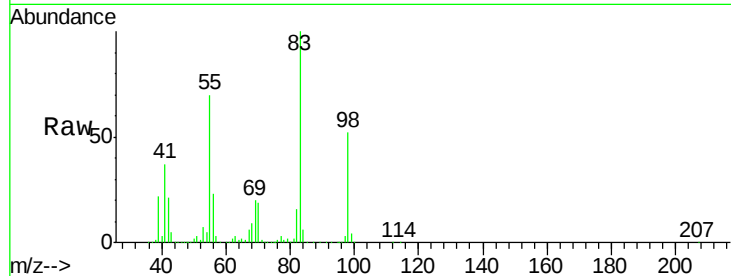
#39
Methvlcvclohexane
Concen: 51.937 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Resp	Lower	Upper
83	100	268004		
55	69.5		54.2	81.2
98	52.3		41.9	62.9

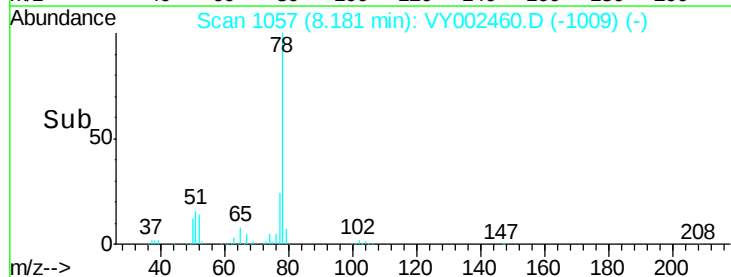
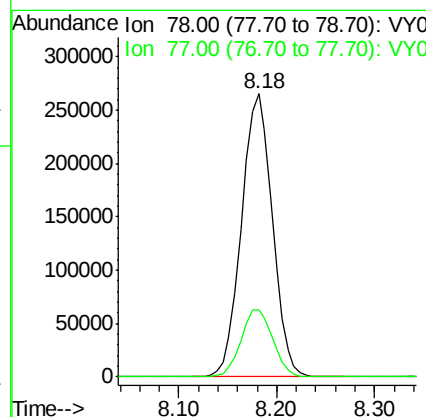
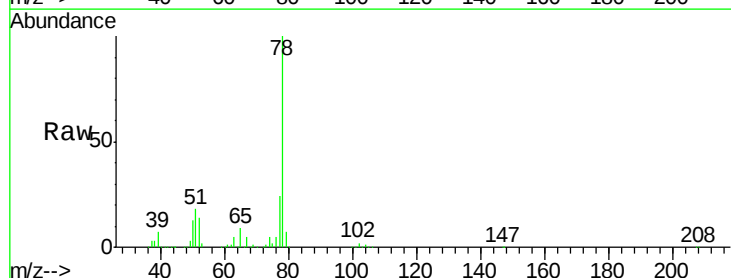
Manual Integrations
APPROVED

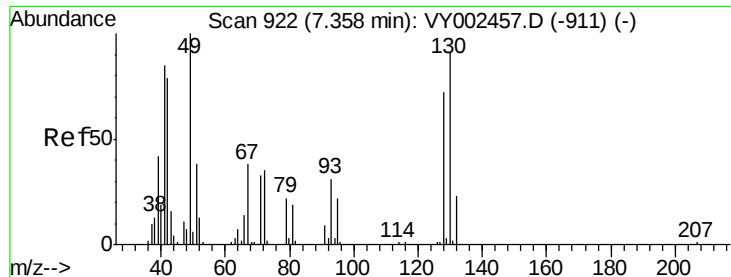
MMDadoda
4/24/2020 1:33:41 PM



#40
Benzene
Concen: 50.897 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	581915		
77	23.9		19.4	29.0





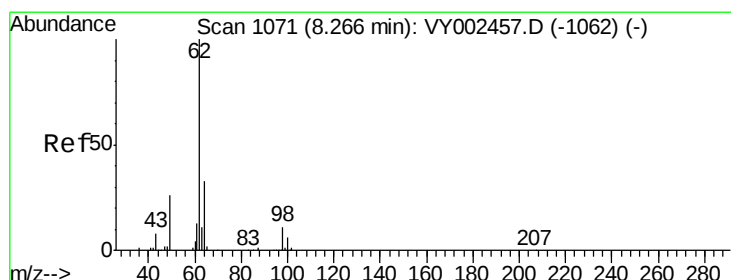
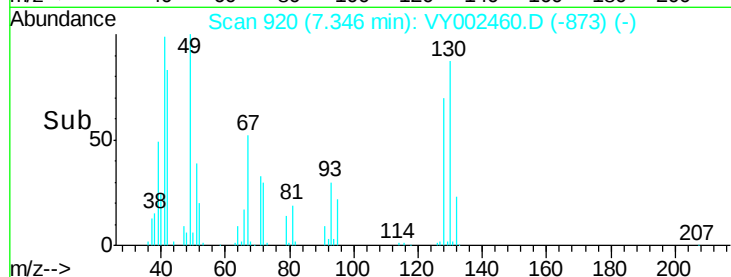
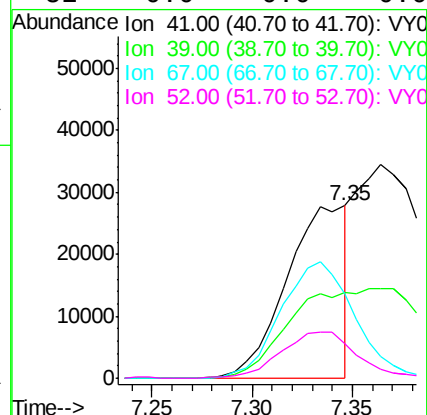
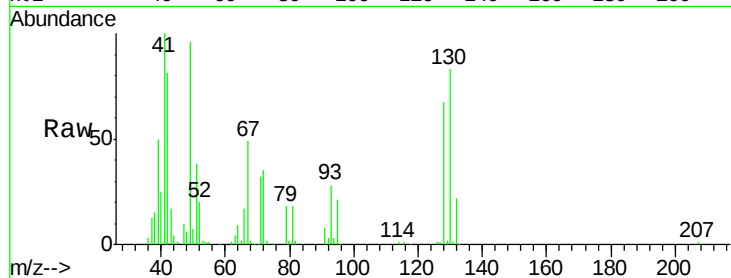
#41
Methacrylonitrile
Concen: 47.627 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	41	Resp	58313
Ion	Ratio	Lower	Upper
41	100		
39	115.2	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

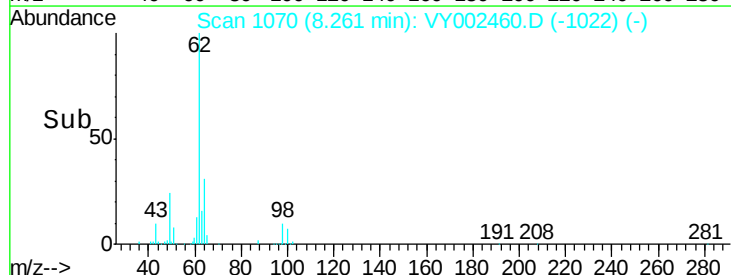
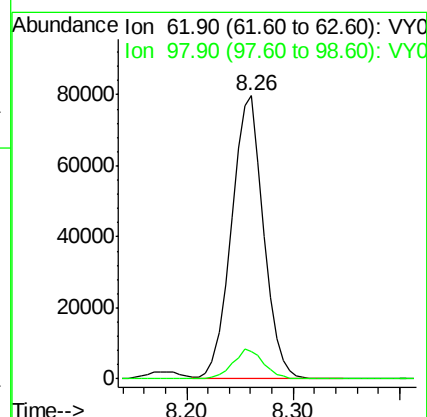
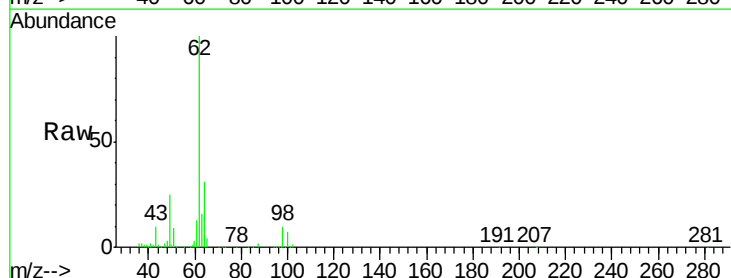
Manual Integrations
APPROVED

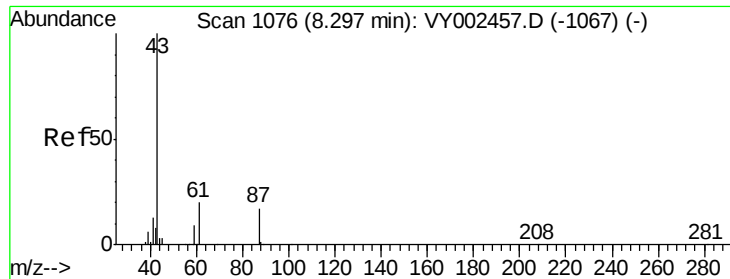
MMDadoda
4/24/2020 1:33:41 PM



#42
1,2-Dichloroethane
Concen: 50.589 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	62	Resp	168019
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





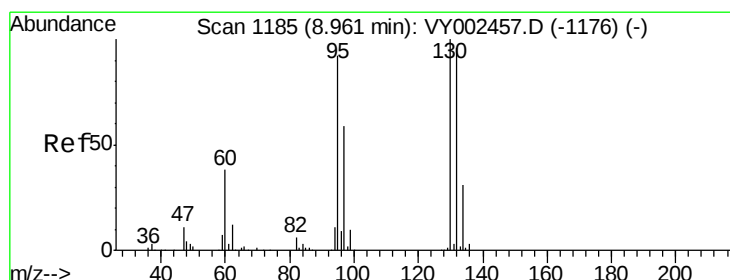
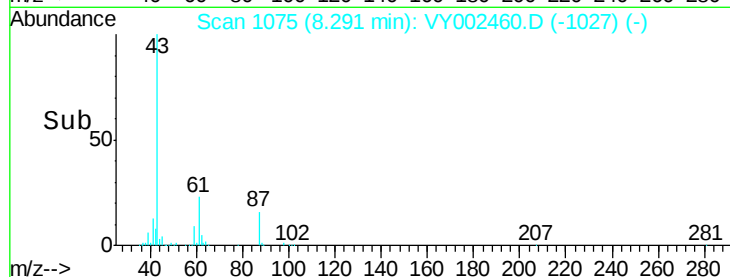
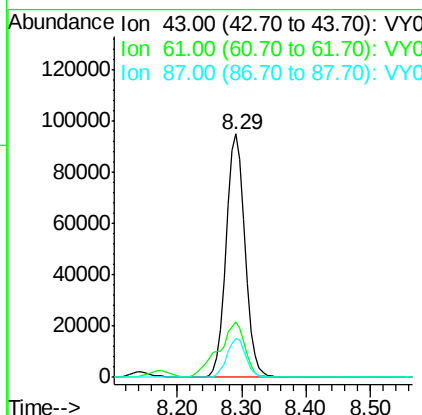
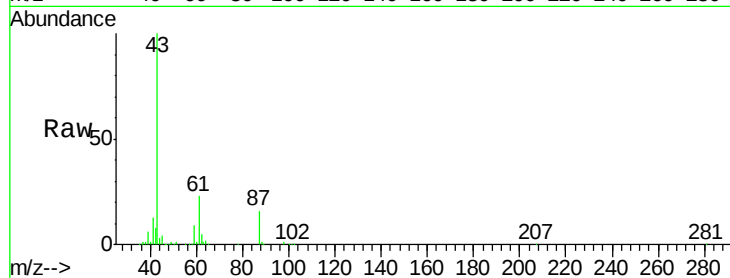
#43
Isopropyl Acetate
Concen: 52.962 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Resp	Lower	Upper
43	100	196854		
61	31.3		25.0	37.4
87	16.0		13.0	19.4

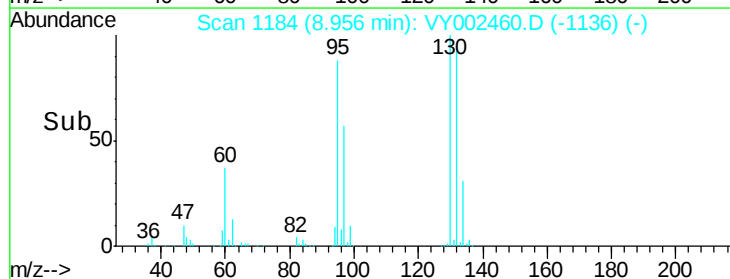
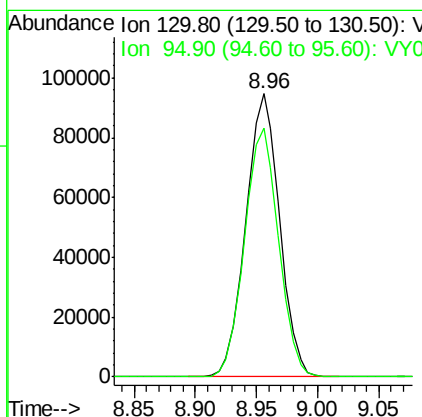
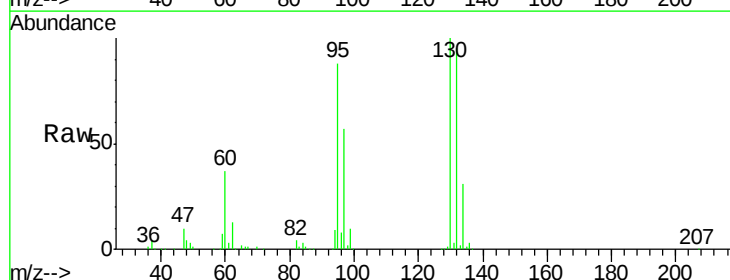
Manual Integrations
APPROVED

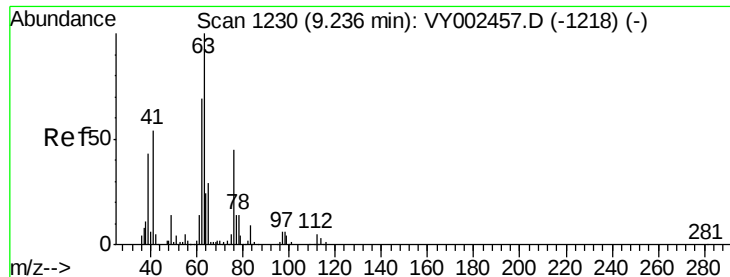
MMDadoda
4/24/2020 1:33:41 PM



#44
Trichloroethene
Concen: 50.917 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	182029		
95	87.8		0.0	184.2





#45

1,2-Dichloropropane

Concen: 51.352 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVY042320

Tot Ion: 63 Resp: 135314

Ion Ratio Lower Upper

63 100

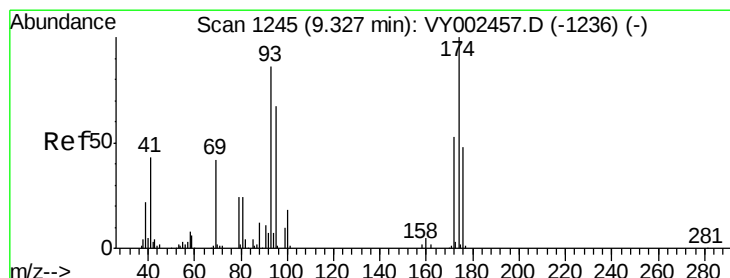
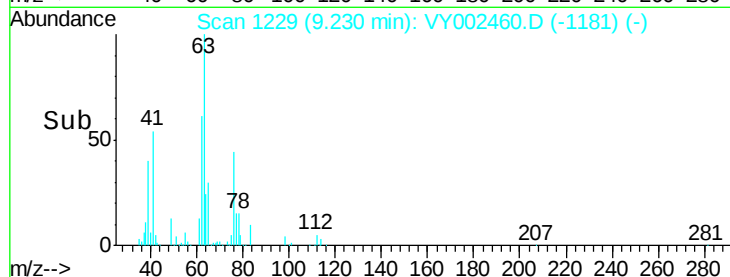
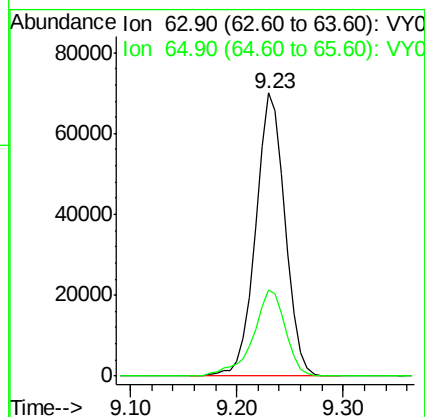
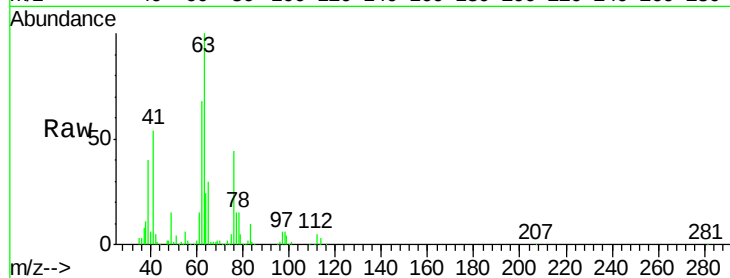
65 30.4 23.4 35.0

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



#46

Dibromomethane

Concen: 51.835 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

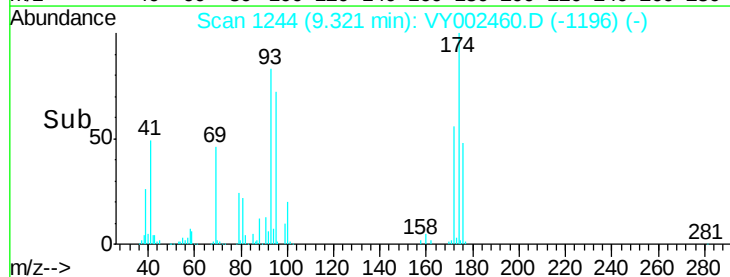
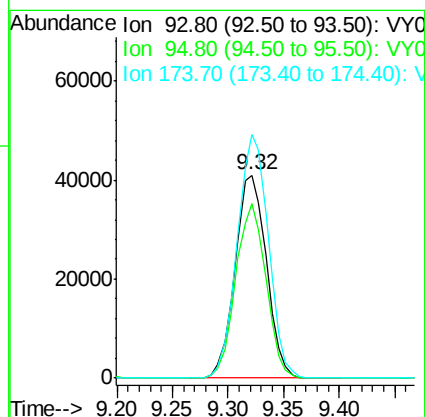
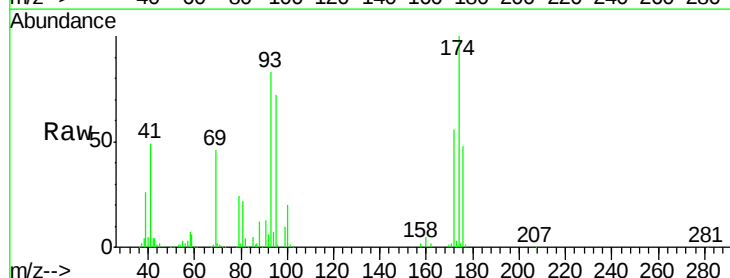
Tgt Ion: 93 Resp: 79912

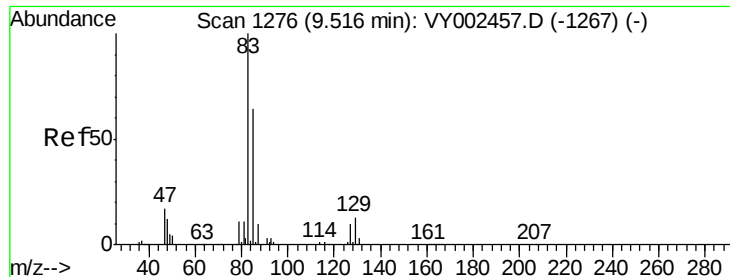
Ion Ratio Lower Upper

93 100

95 83.1 65.4 98.0

174 119.4 94.8 142.2





#47

Bromodichloromethane

Concen: 51.179 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

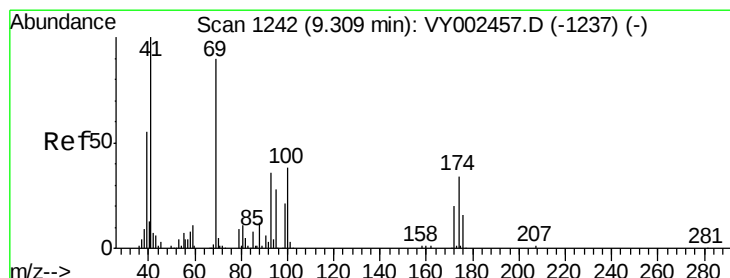
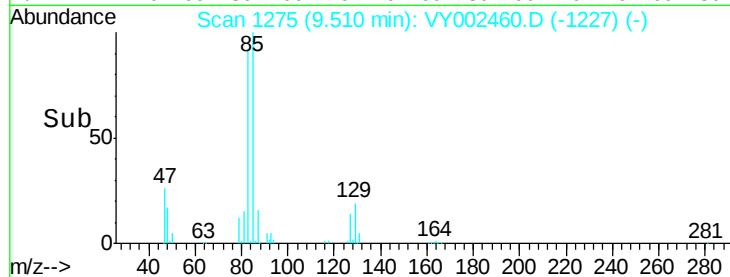
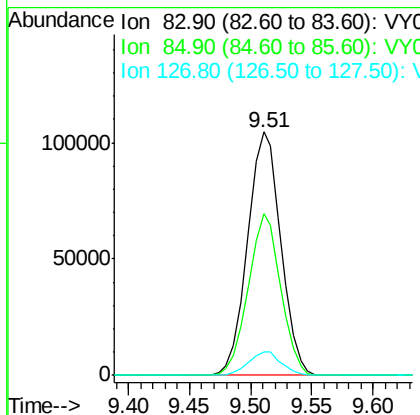
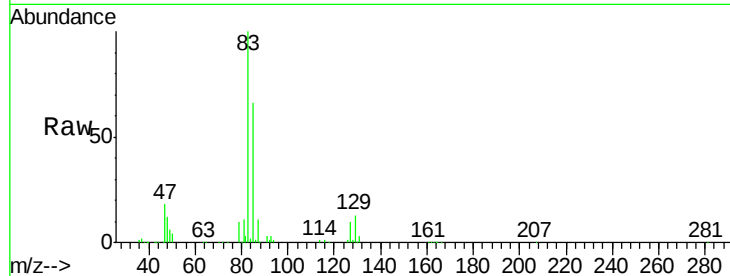
ClientSampleId :

ICVY042320

Tot Ion:	83	Resp:	197313
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.2	76.8
127	9.6	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#48

Methyl methacrylate

Concen: 53.969 ug/l

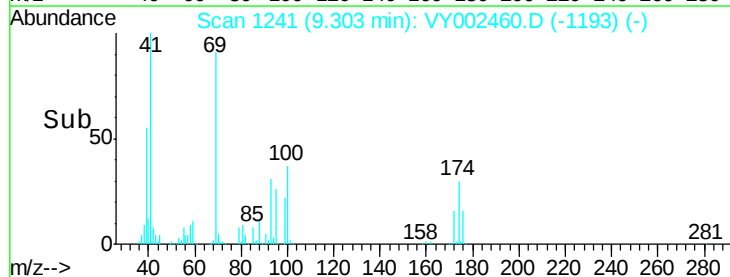
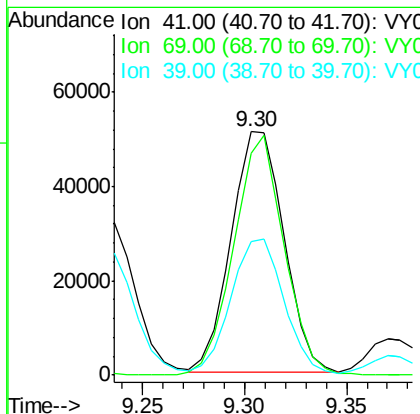
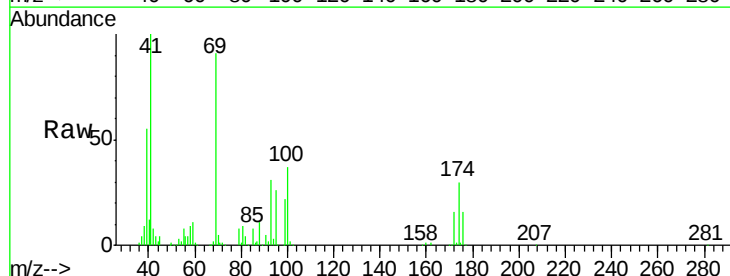
RT: 9.30 min Scan# 1241

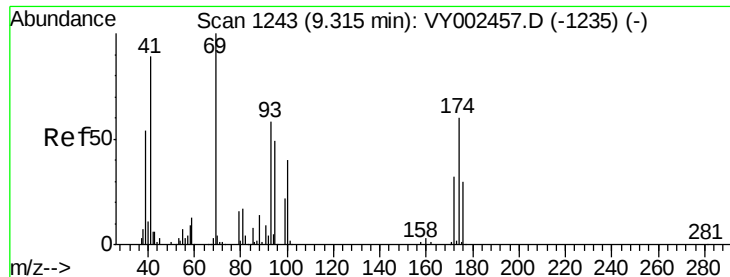
Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	41	Resp:	91575
Ion Ratio	Lower	Upper	
41	100		
69	95.7	77.9	116.9
39	57.4	47.9	71.9





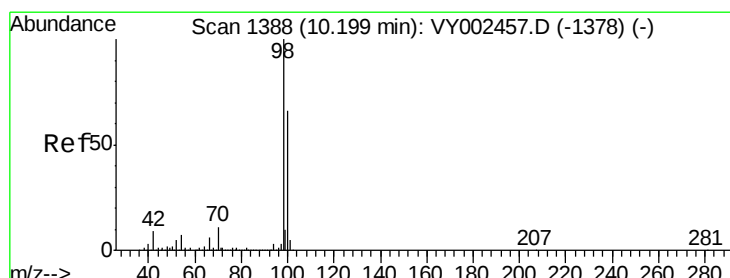
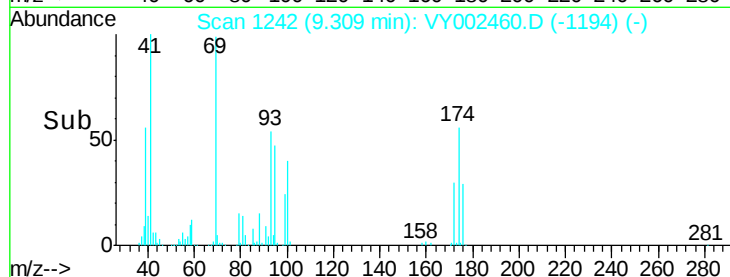
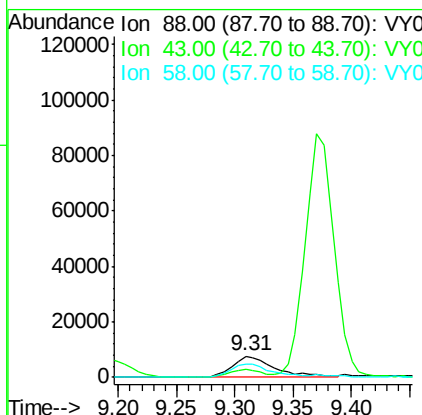
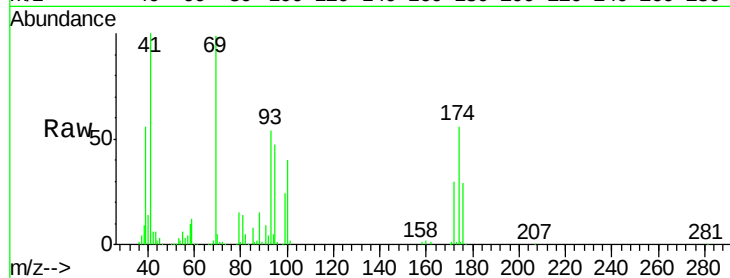
#49
1,4-Dioxane
Concen: 980.032 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	22.9	34.3
58	61.0	49.5	74.3

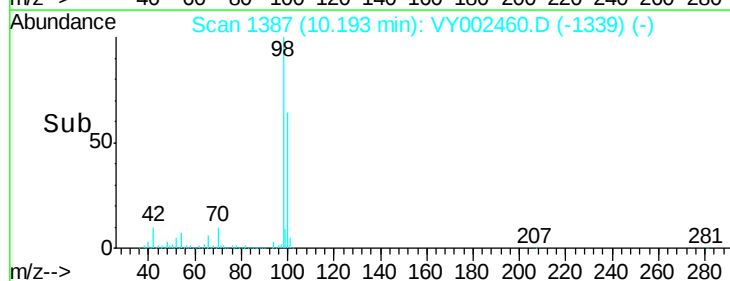
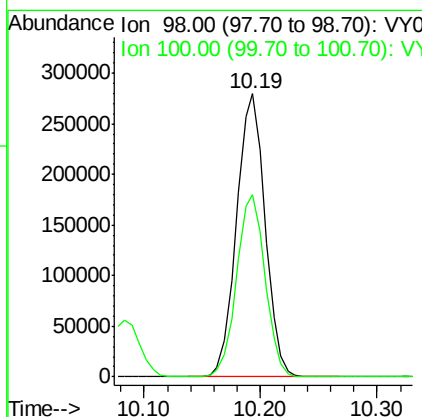
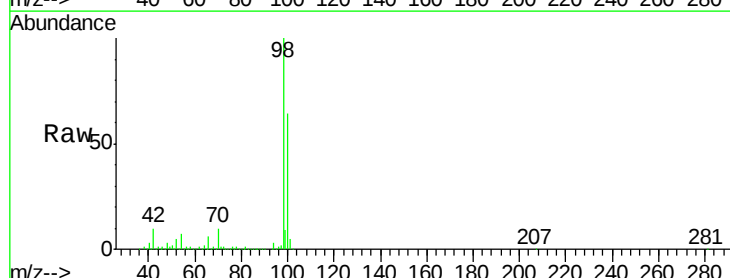
Manual Integrations
APPROVED

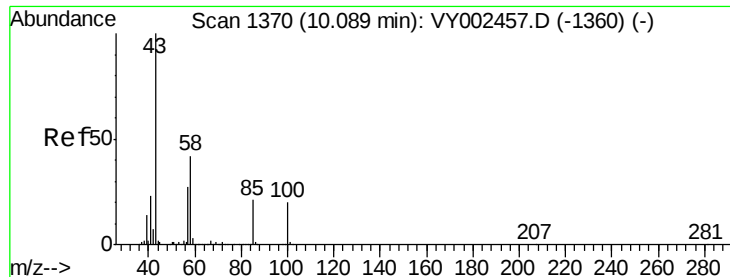
MMDadoda
4/24/2020 1:33:41 PM



#50
Toluene-d8
Concen: 45.682 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7





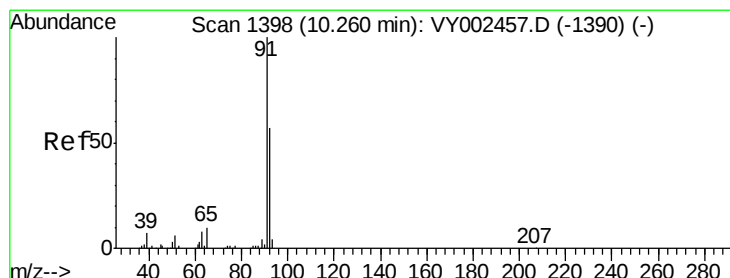
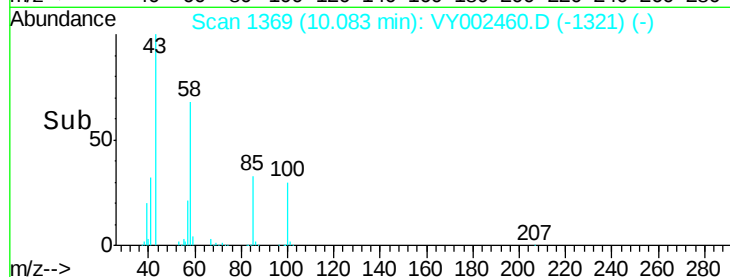
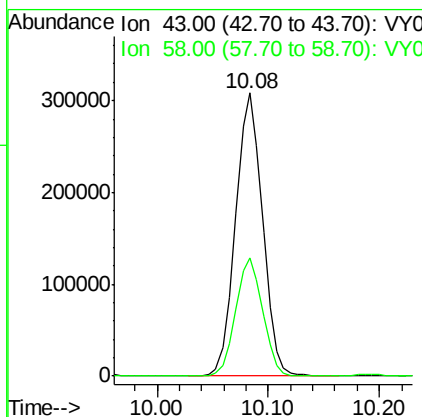
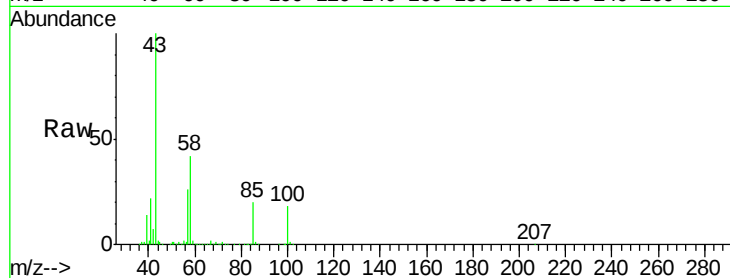
#51
4-Methyl-2-Pentanone
Concen: 267.879 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.2	49.8

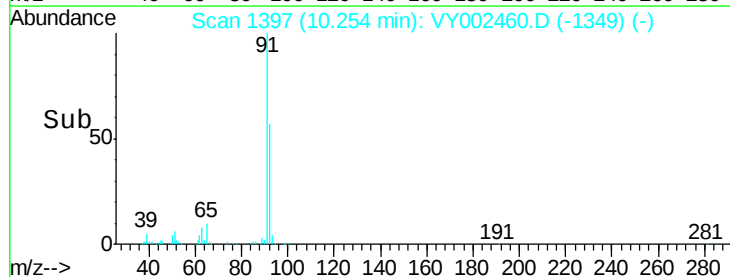
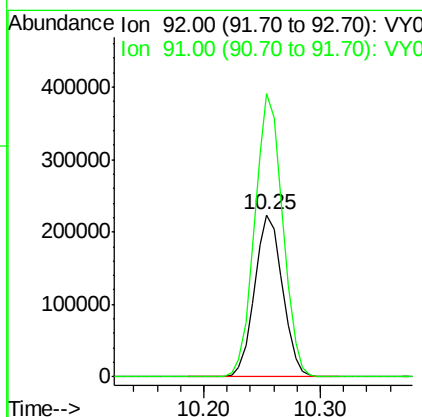
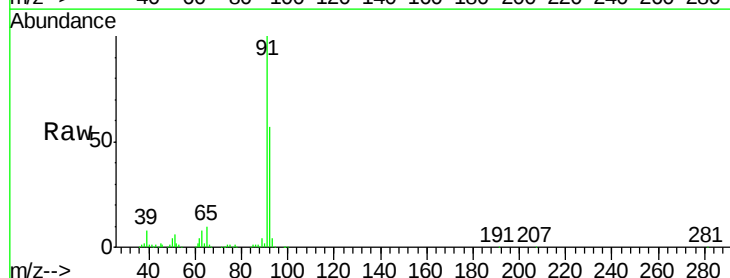
Manual Integrations
APPROVED

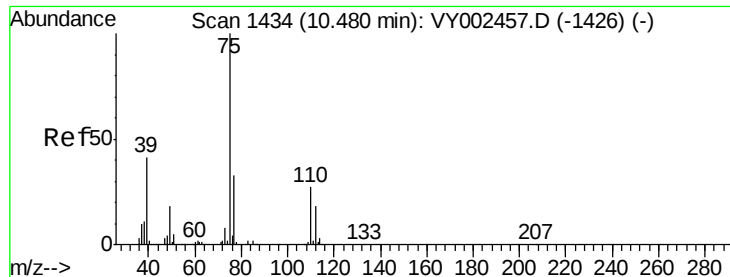
MMDadoda
4/24/2020 1:33:41 PM



#52
Toluene
Concen: 50.628 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	140.2	210.2





#53

t-1,3-Dichloropropene

Concen: 52.522 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY042320

Tot Ion: 75 Resp: 212652

Ion Ratio Lower Upper

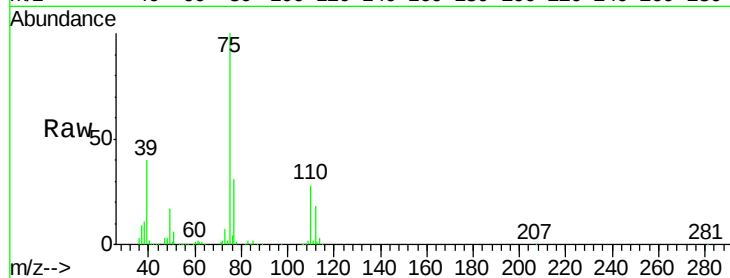
75 100

77 31.3 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

4/24/2020 1:33:41 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.48

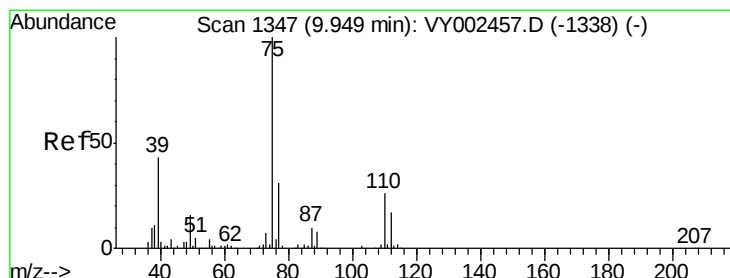
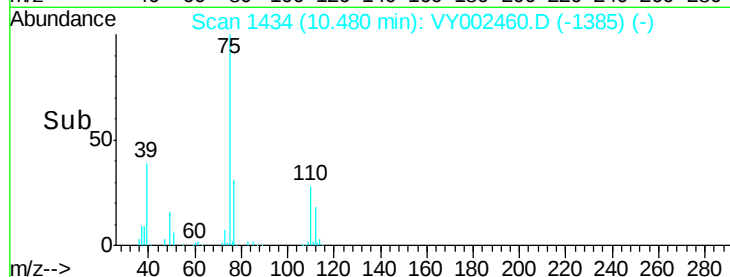
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.631 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

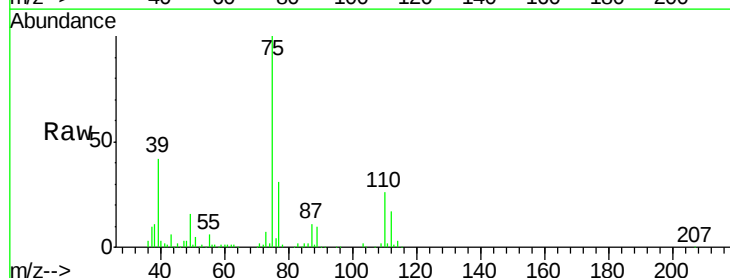
Tgt Ion: 75 Resp: 239265

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 42.0 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.94

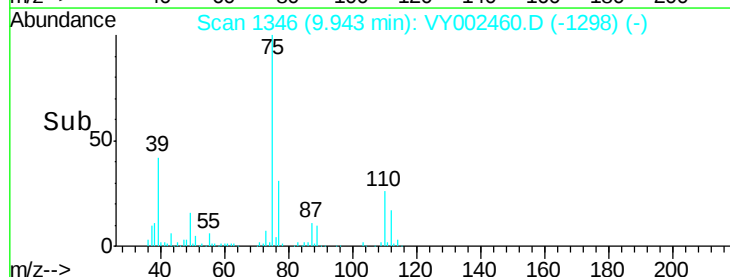
150000

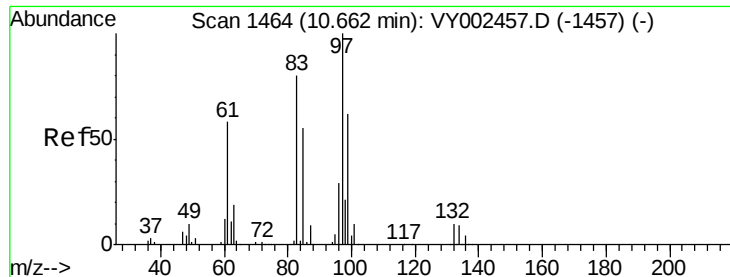
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.299 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

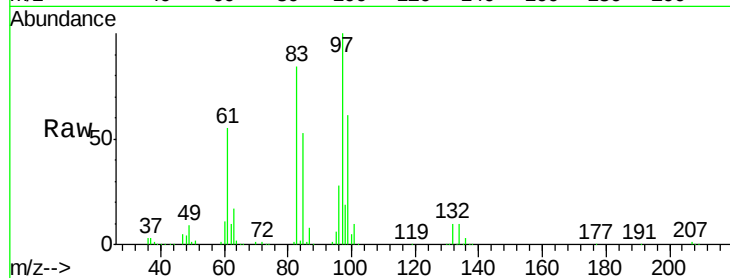
ClientSampleId :

ICVY042320

Tot Ion:	97	Resp:	116935
Ion	Ratio	Lower	Upper
97	100		
83	83.7	63.8	95.8
85	53.1	43.9	65.9
99	61.4	49.8	74.6

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM

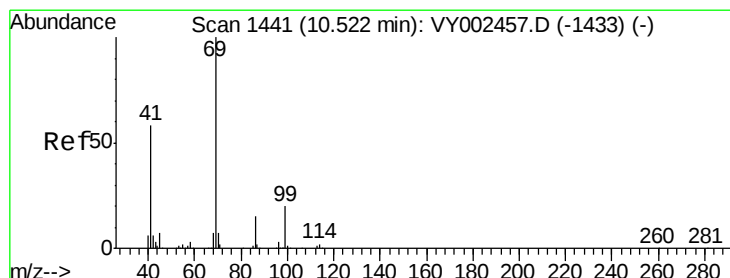
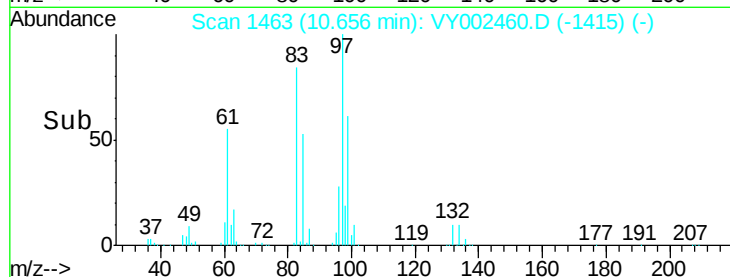
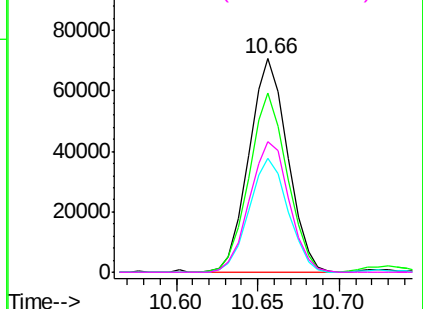


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 52.341 ug/l

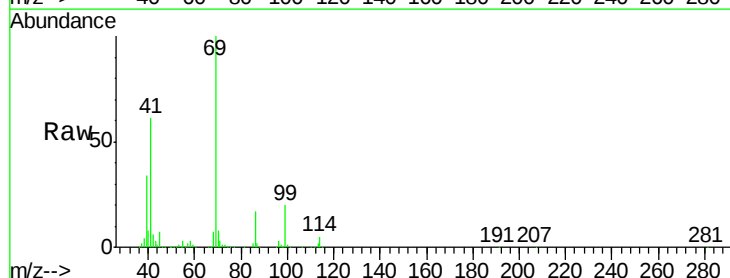
RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

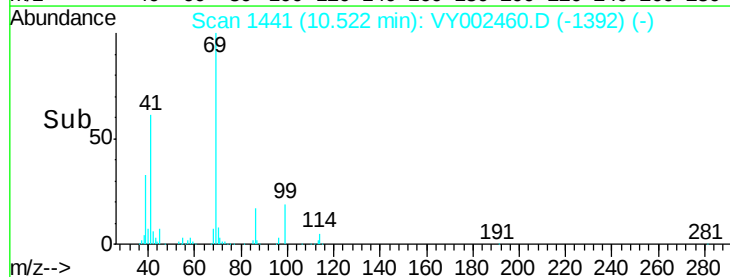
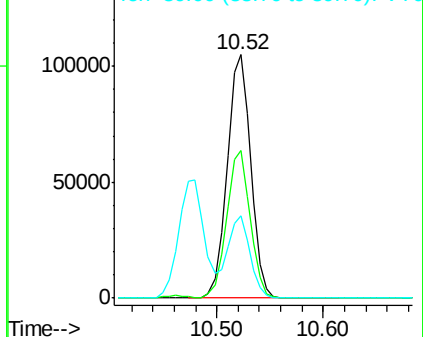
Tgt Ion:	69	Resp:	163022
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.5	71.3
39	32.4	25.7	38.5

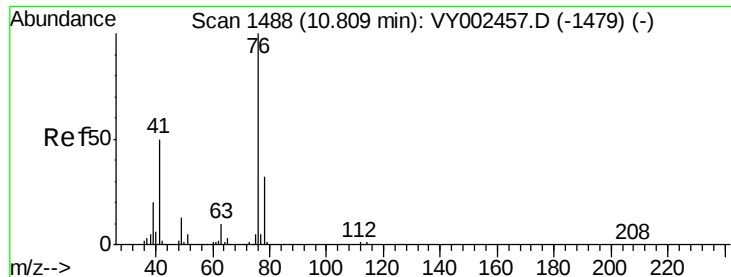


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 51.320 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVY042320

Tot Ion: 76 Resp: 197500

Ion Ratio Lower Upper

76 100

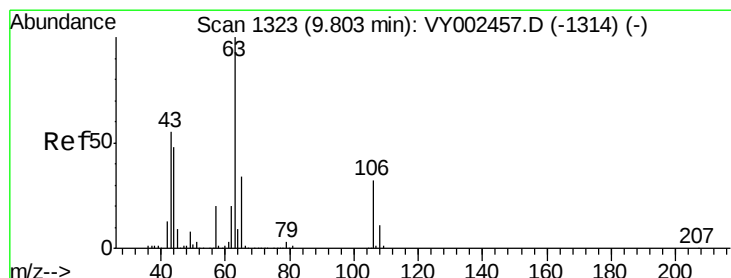
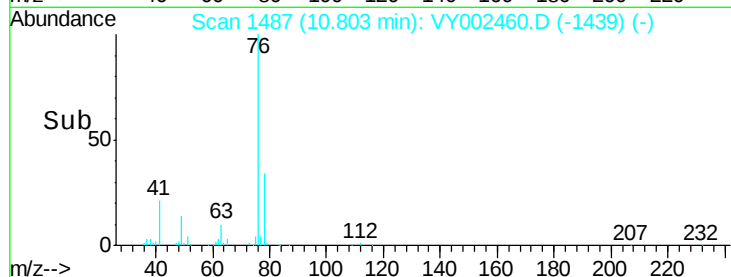
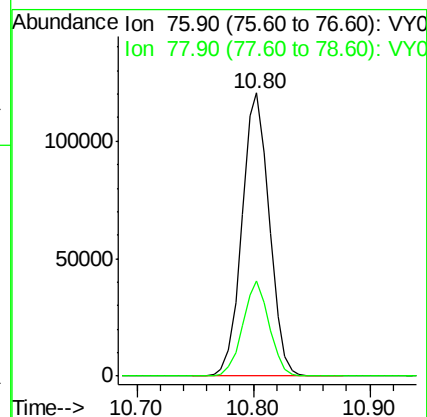
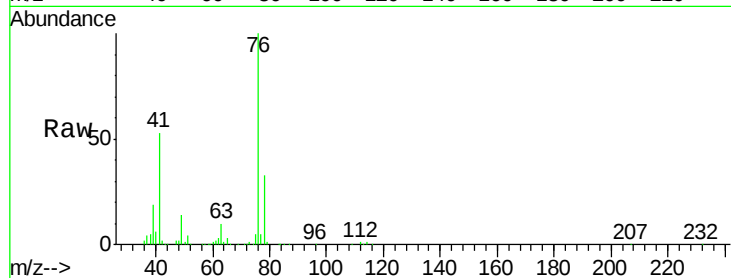
78 32.5 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 244.349 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VY002460.D

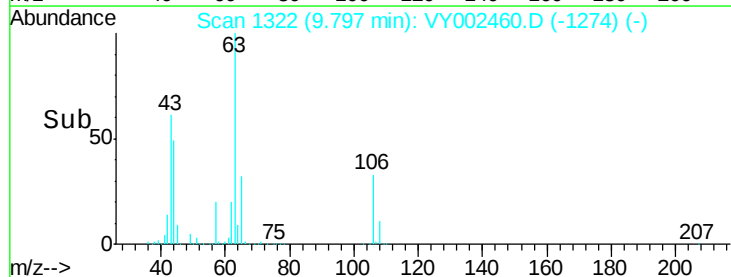
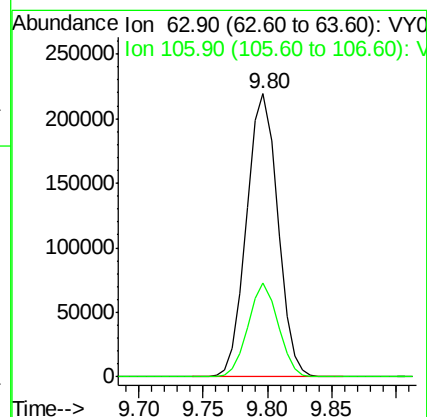
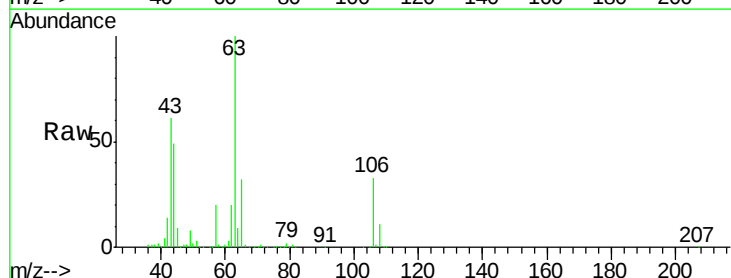
Acq: 23 Apr 2020 14:57

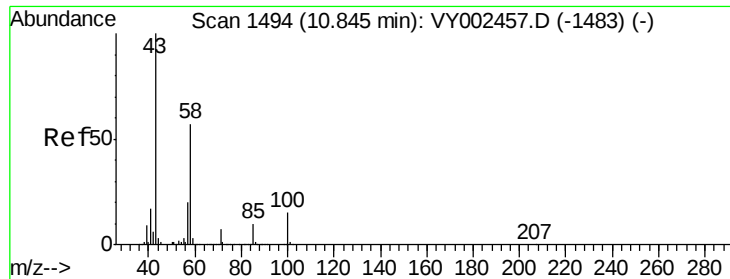
Tgt Ion: 63 Resp: 368030

Ion Ratio Lower Upper

63 100

106 31.9 26.0 39.0





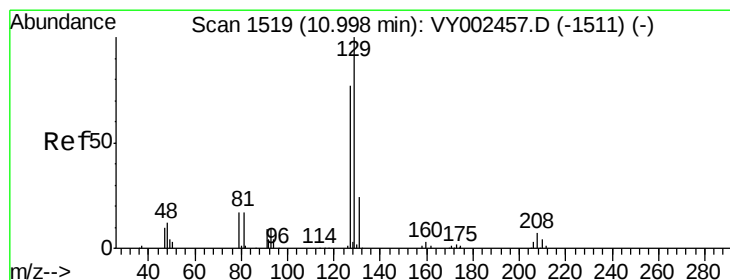
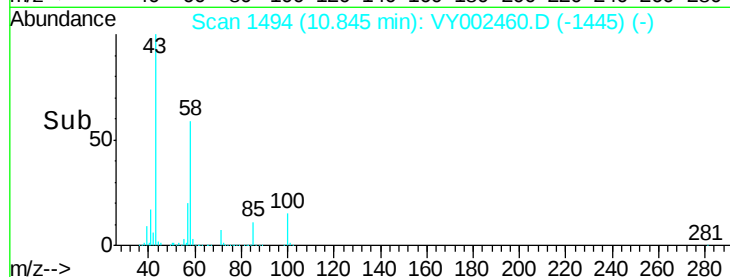
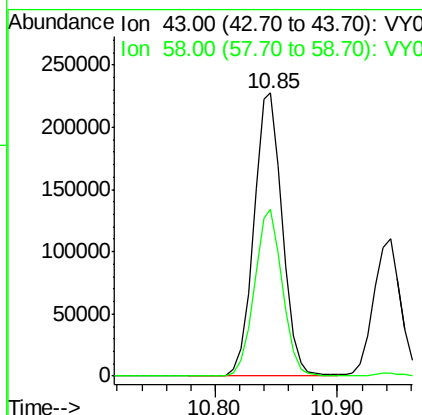
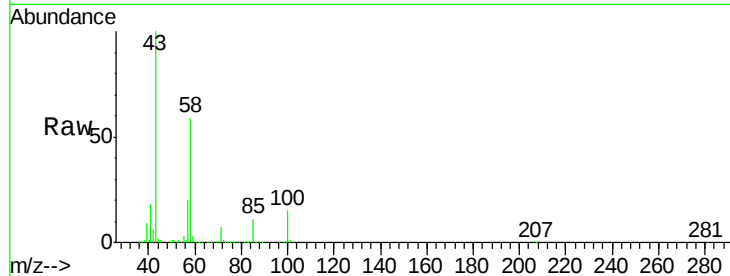
#59
2-Hexanone
Concen: 273.382 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion: 43 Resp: 367890
Ion Ratio Lower Upper
43 100
58 58.0 28.8 86.4

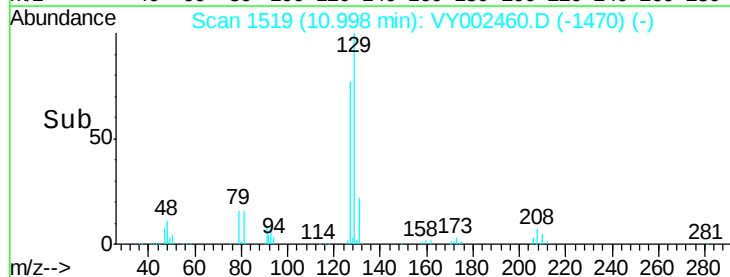
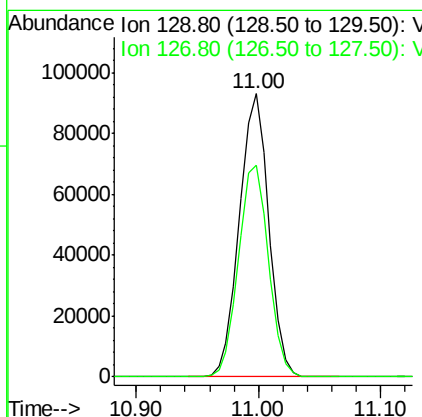
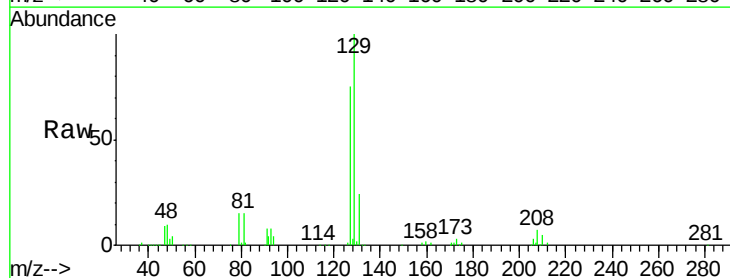
Manual Integrations
APPROVED

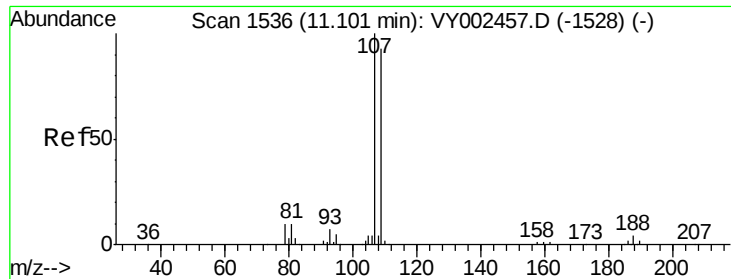
MMDadoda
4/24/2020 1:33:41 PM



#60
Dibromochloromethane
Concen: 51.797 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion: 129 Resp: 154708
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





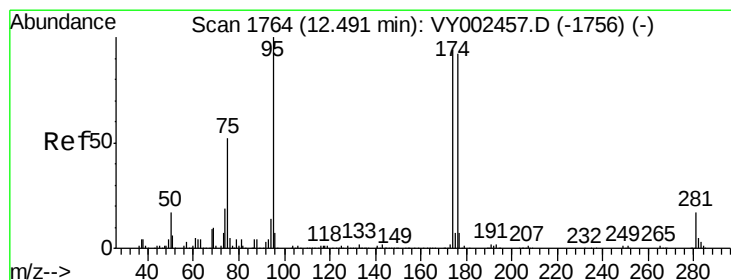
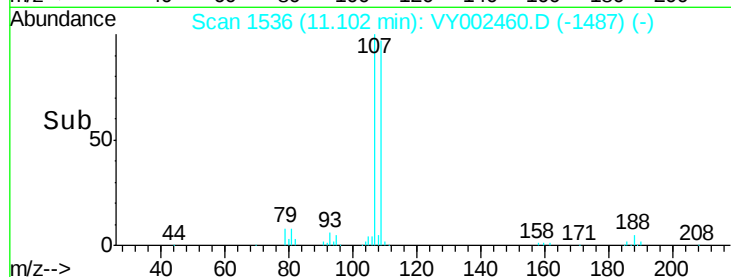
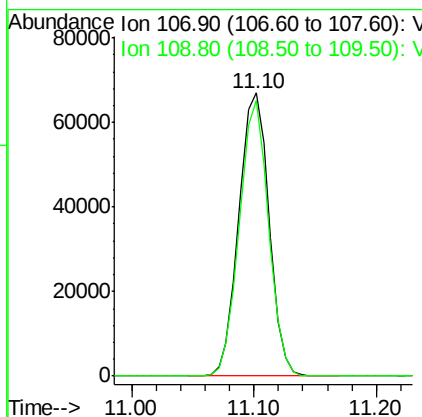
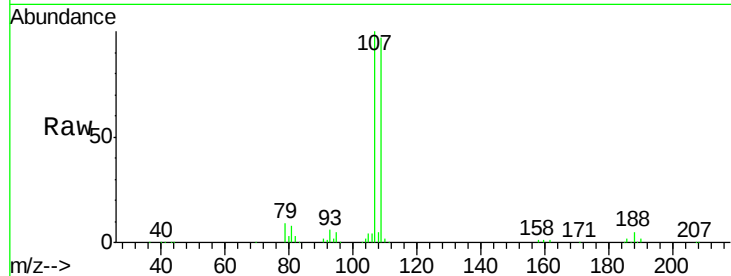
#61
 1,2-Dibromoethane
 Concen: 50.904 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.9	112.3

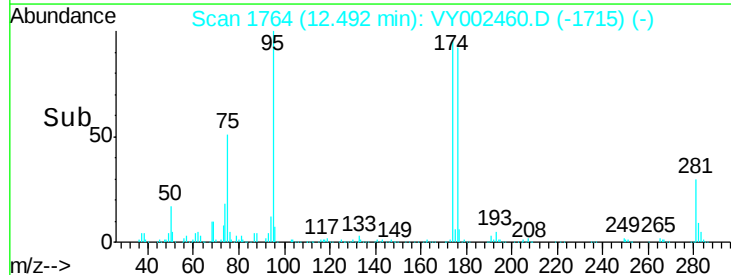
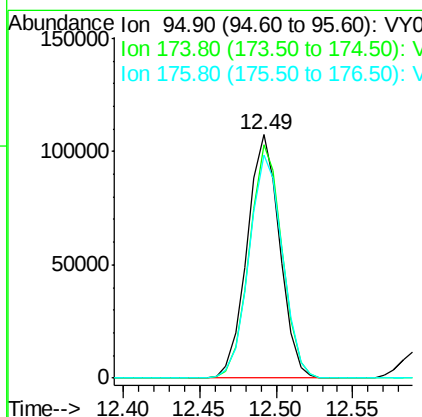
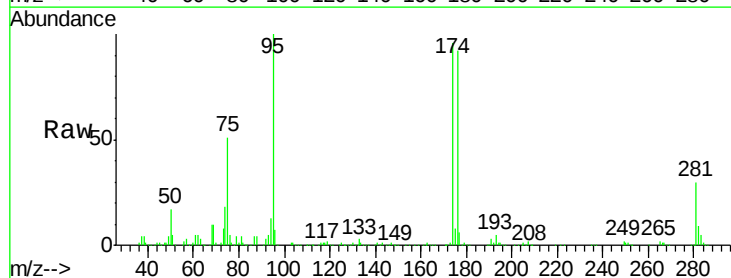
Manual Integrations
 APPROVED

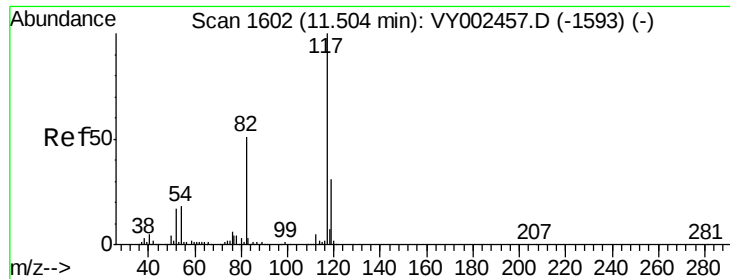
MMDadoda
 4/24/2020 1:33:41 PM



#62
 4-Bromofluorobenzene
 Concen: 45.382 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	193.0
176	94.1	0.0	190.4





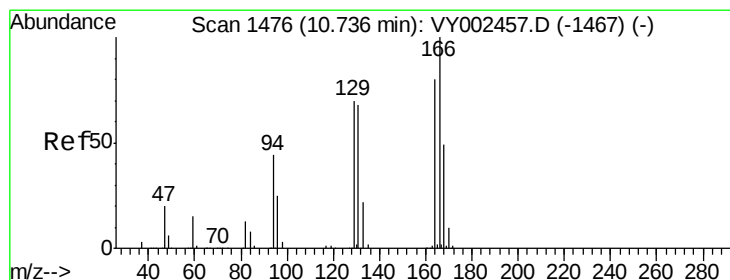
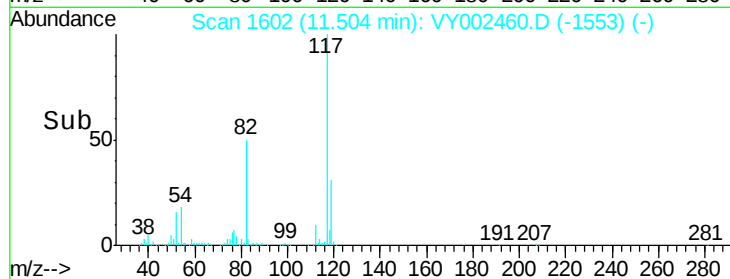
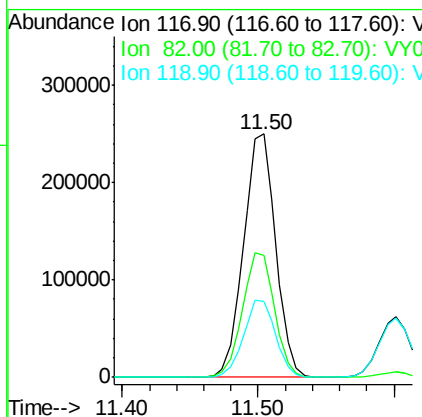
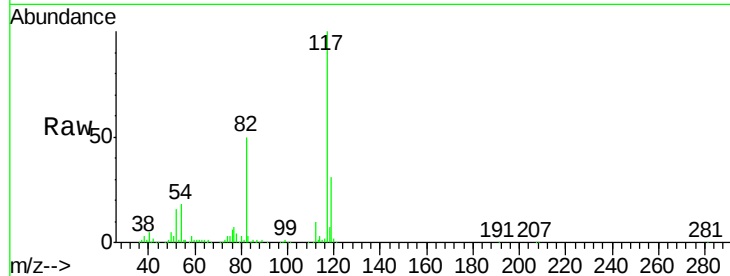
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042320

Tot Ion	Ratio	Resp	Lower	Upper
117	100	411632		
82	50.1		40.8	61.2
119	31.4		25.2	37.8

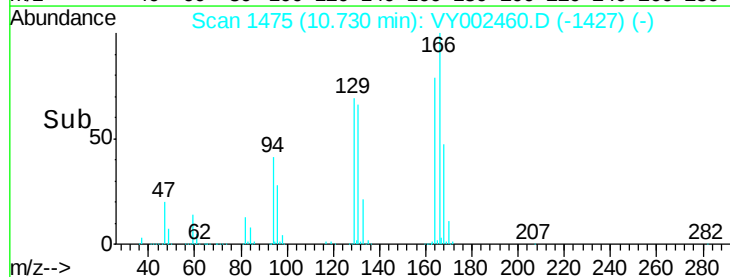
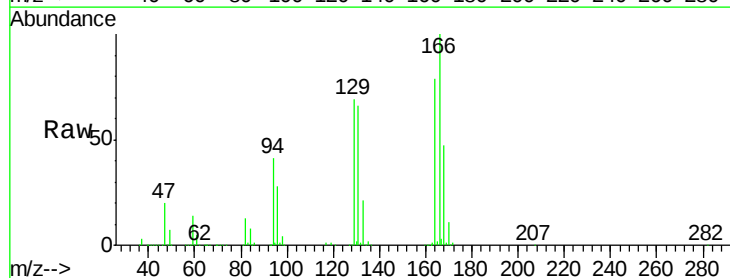
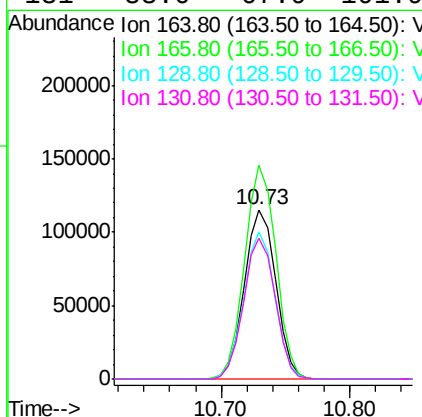
Manual Integrations
APPROVED

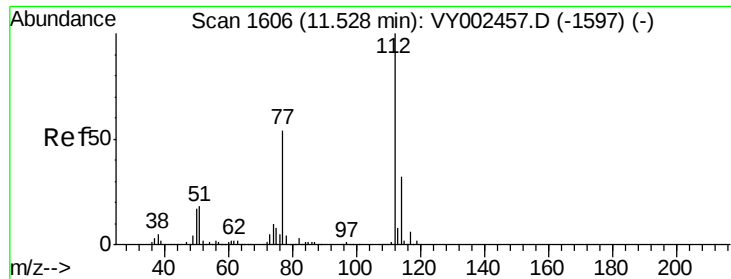
MMDadoda
4/24/2020 1:33:41 PM



#64
Tetrachloroethene
Concen: 51.387 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193862		
166	126.0		100.0	150.0
129	87.1		69.8	104.8
131	83.0		67.9	101.9





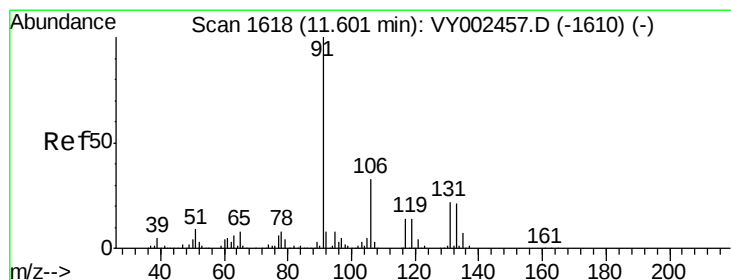
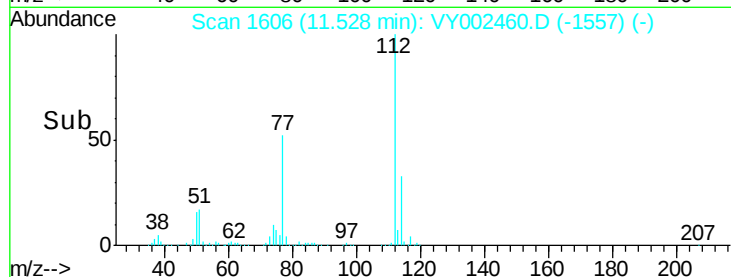
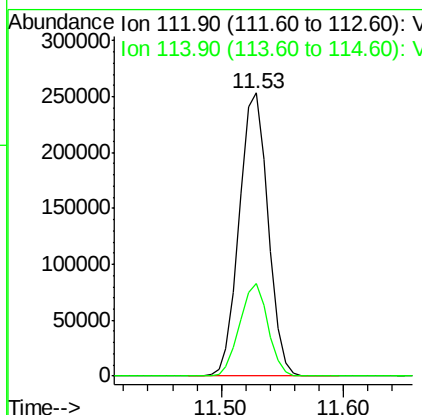
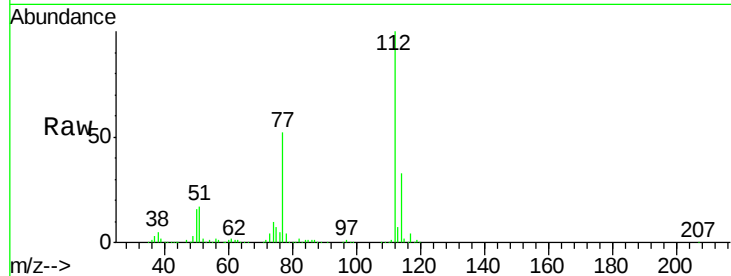
#65
Chlorobenzene
Concen: 52.091 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion:112 Resp: 413376
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5

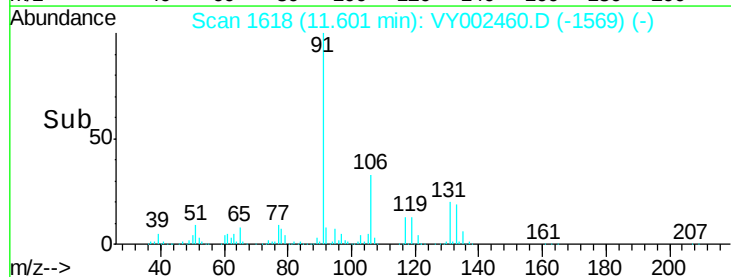
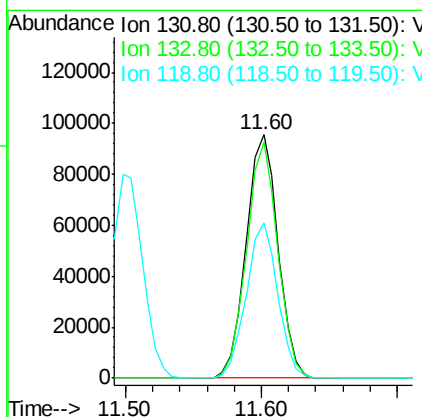
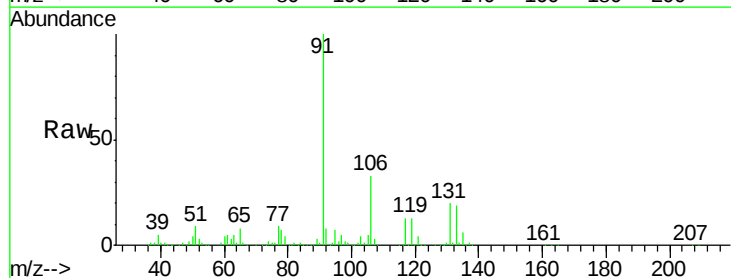
Manual Integrations
APPROVED

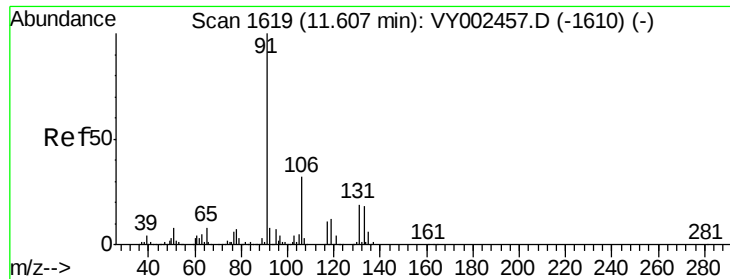
MMDadoda
4/24/2020 1:33:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.827 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion:131 Resp: 157298
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.4
119 62.8 31.1 93.3





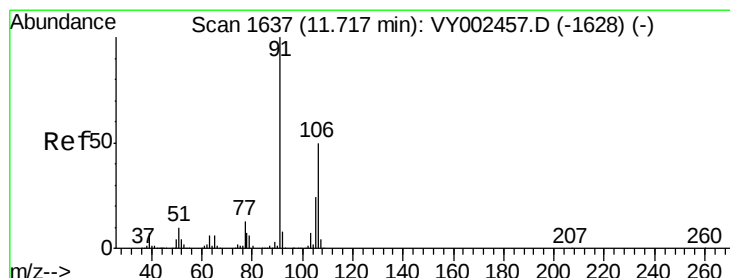
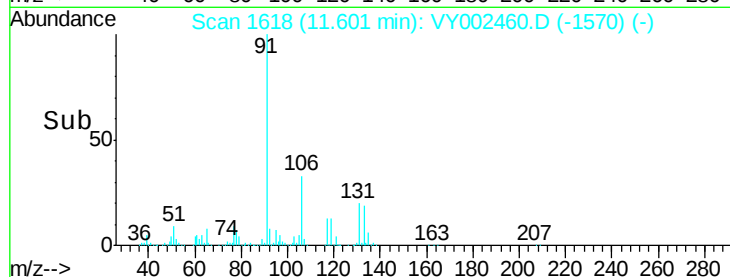
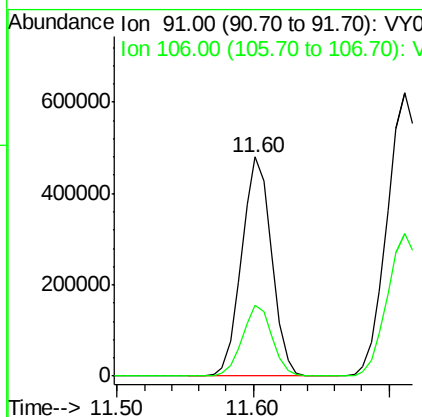
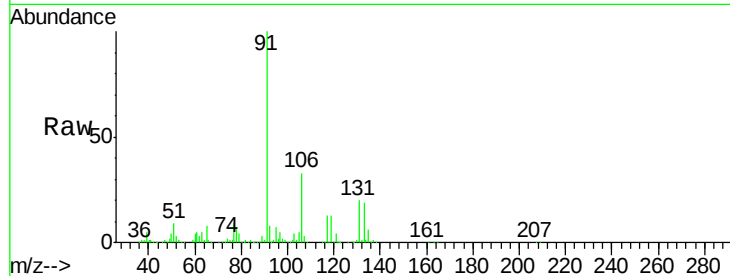
#67
Ethyl Benzene
Concen: 52.149 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion: 91 Resp: 737545
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.6

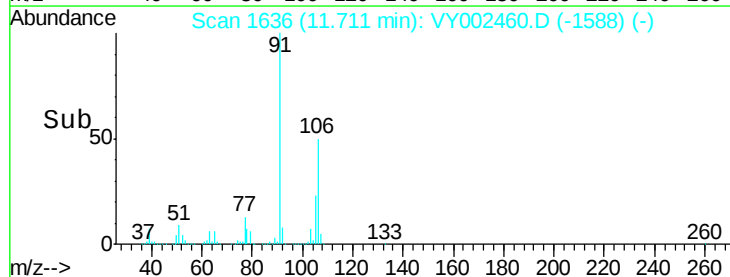
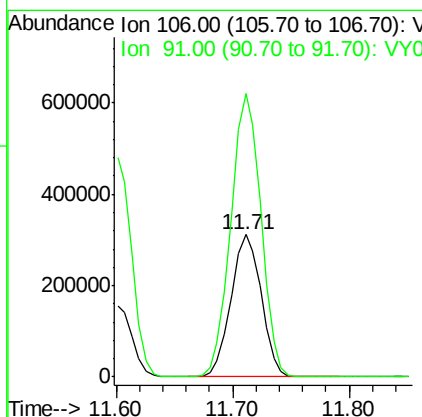
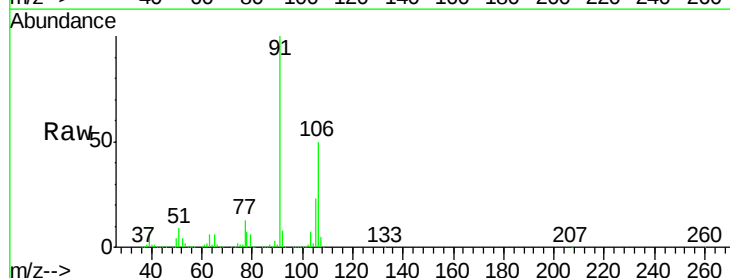
Manual Integrations
APPROVED

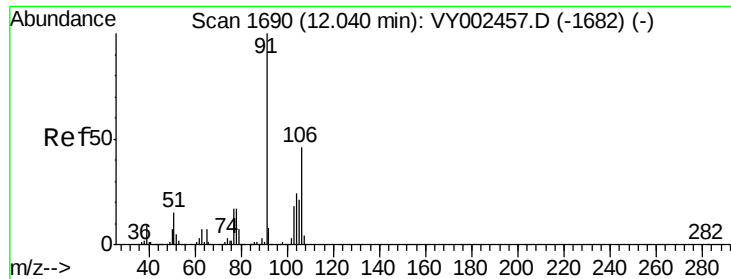
MMDadoda
4/24/2020 1:33:41 PM



#68
m/p-Xylenes
Concen: 103.585 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion: 106 Resp: 563975
Ion Ratio Lower Upper
106 100
91 198.1 159.8 239.6





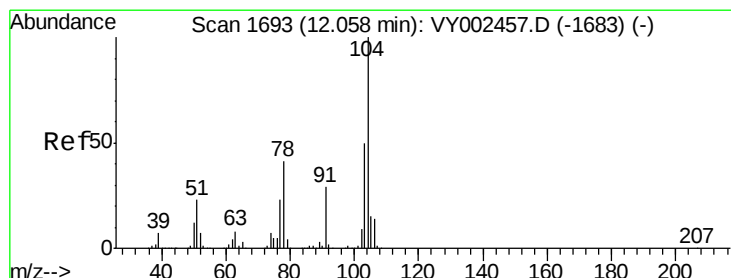
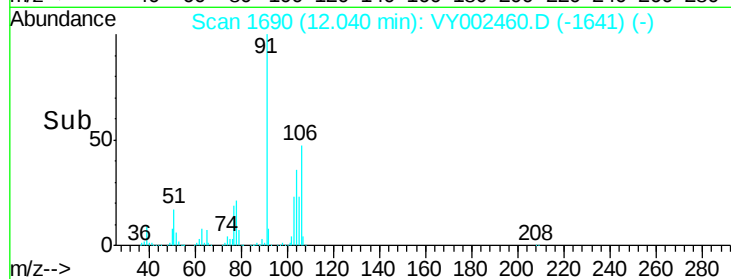
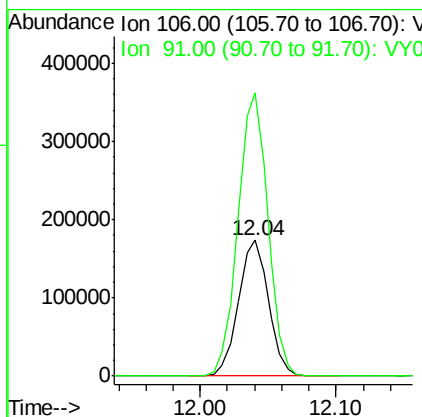
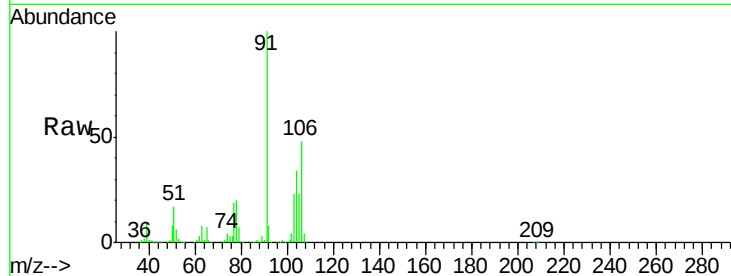
#69
o-Xylene
Concen: 52.933 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		266886		
91	208.3	104.5	313.3		

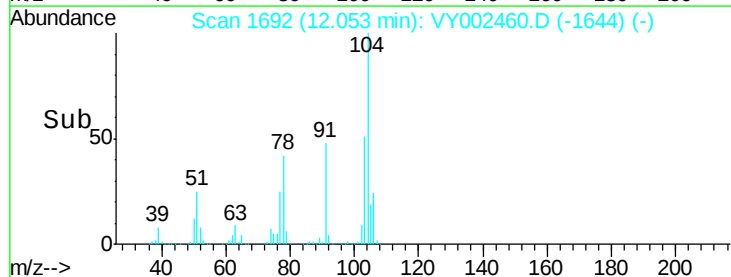
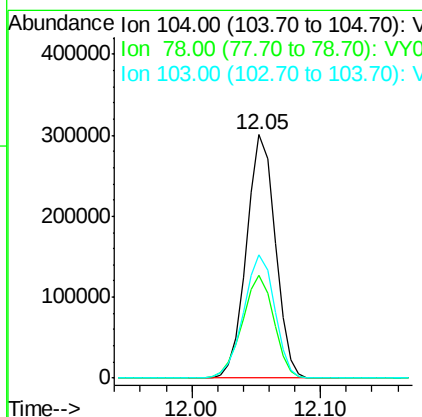
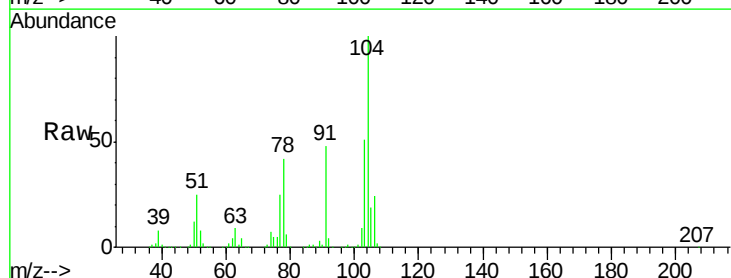
Manual Integrations
APPROVED

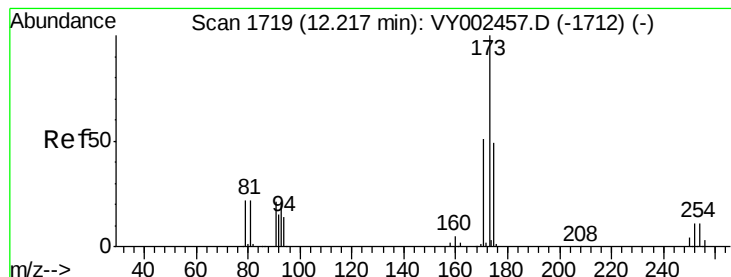
MMDadoda
4/24/2020 1:33:41 PM



#70
Styrene
Concen: 52.828 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		463783		
78	46.3	38.0	57.0		
103	54.9	44.4	66.6		





#71

Bromoform

Concen: 53.711 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

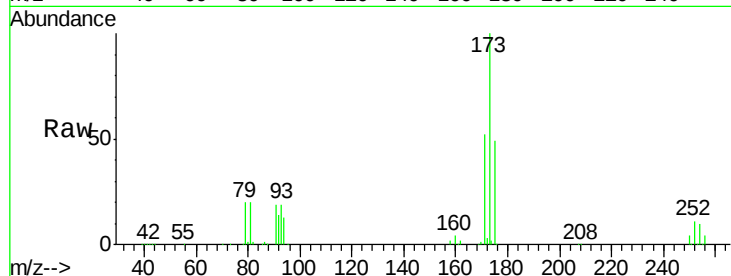
ClientSampleId :

ICVY042320

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM

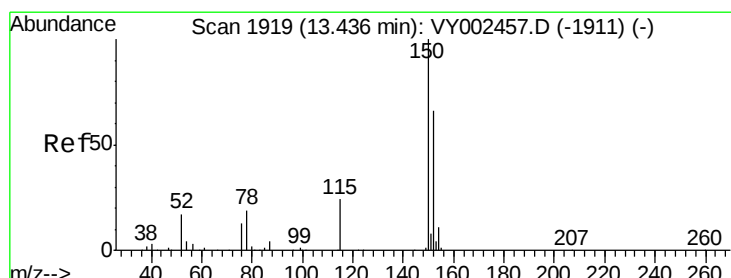
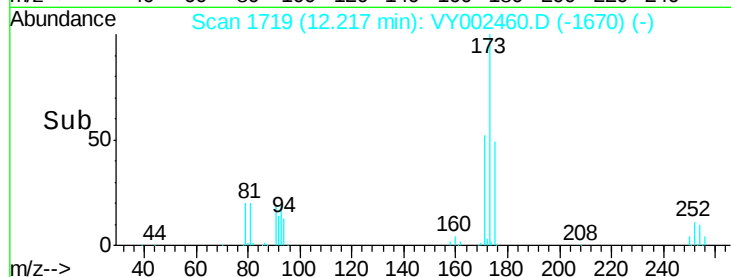
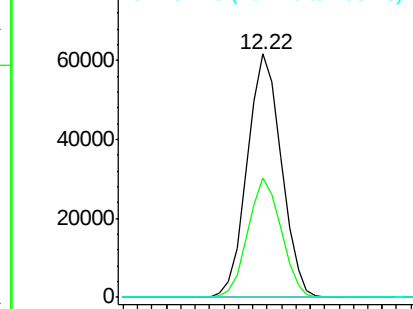


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

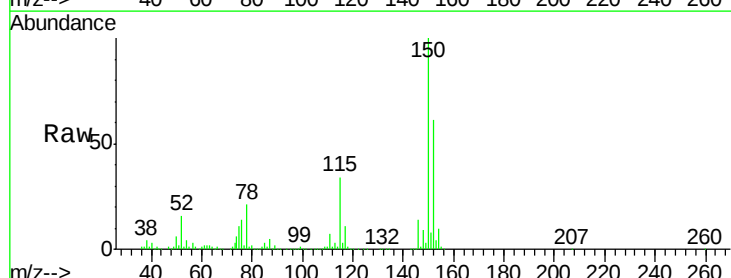
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.3	81.8
150	174.2	0.0	346.8

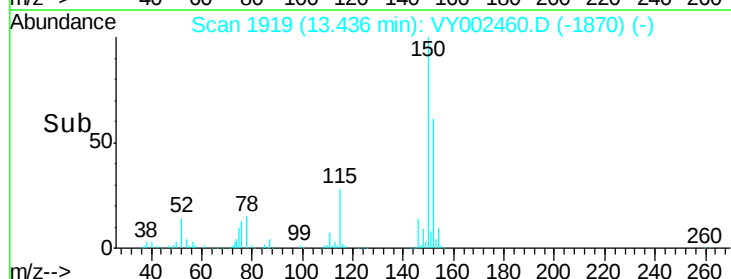
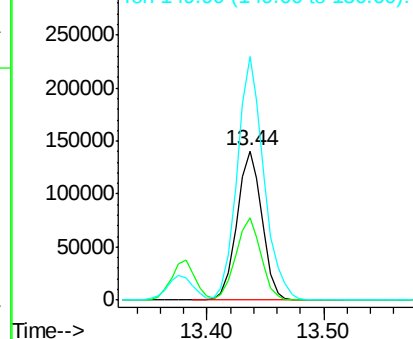


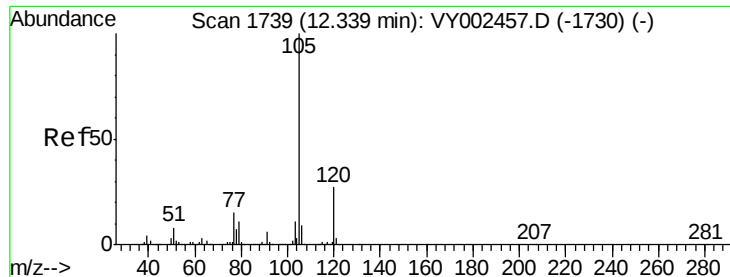
Abundance

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: 51.026 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVY042320

Tot Ion: 105 Resp: 713651

Ion Ratio Lower Upper

105 100

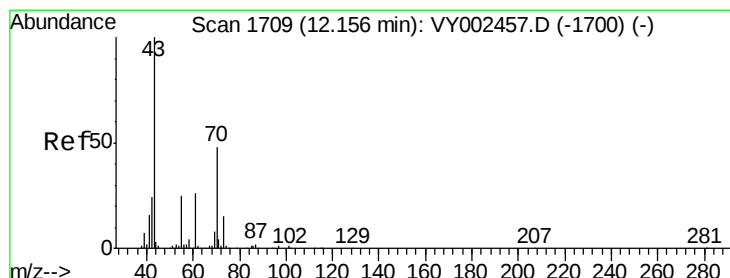
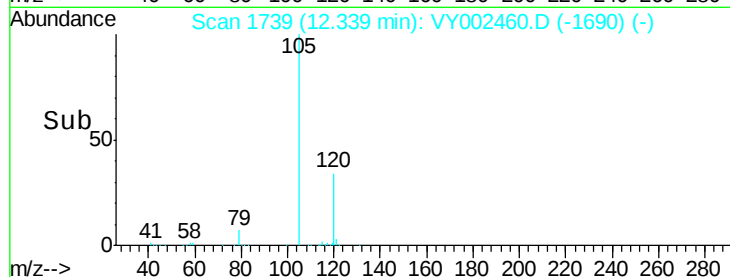
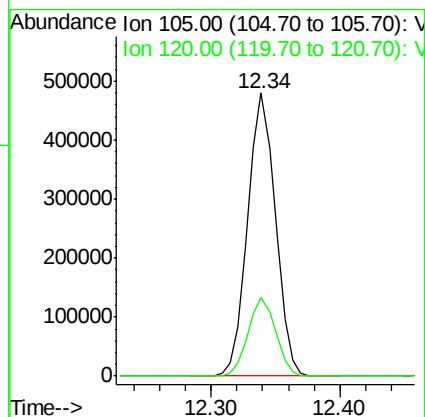
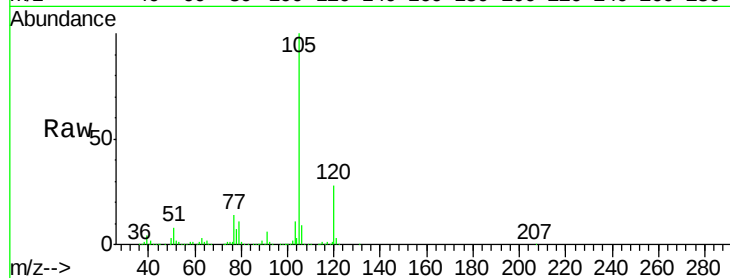
120 27.6 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

4/24/2020 1:33:41 PM



#74

N-ethyl acetate

Concen: 54.116 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.01 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion: 43 Resp: 179353

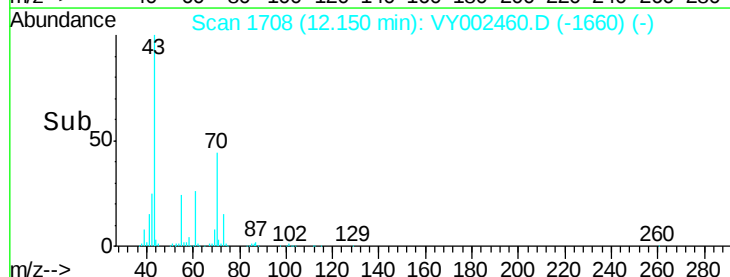
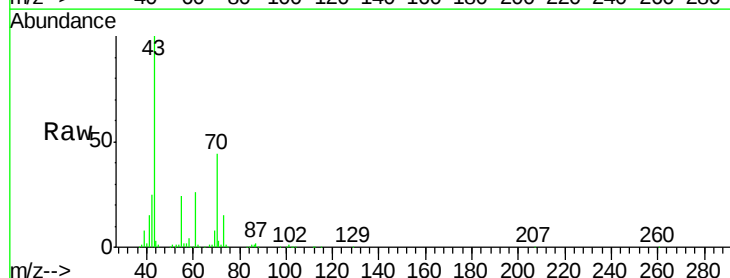
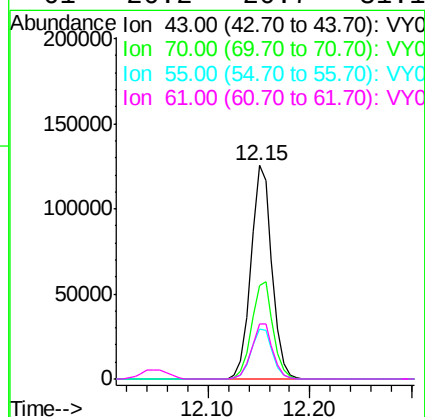
Ion Ratio Lower Upper

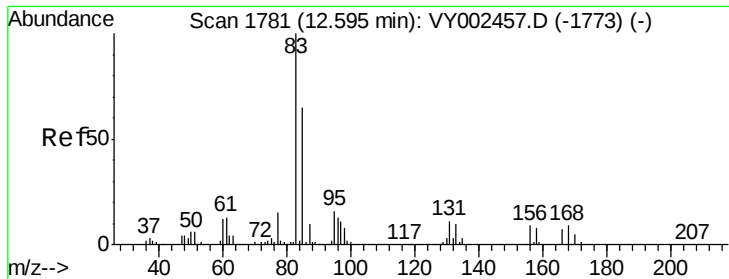
43 100

70 46.4 37.2 55.8

55 24.1 19.6 29.4

61 26.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.550 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

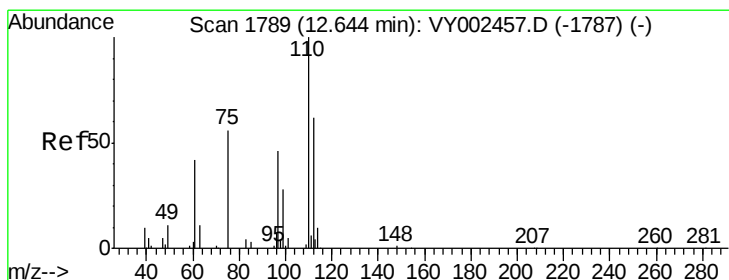
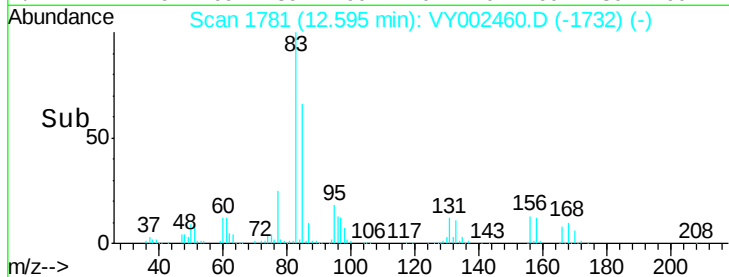
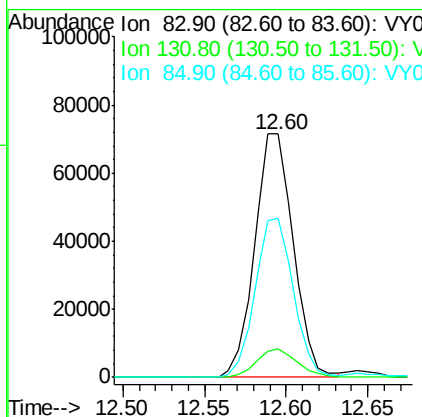
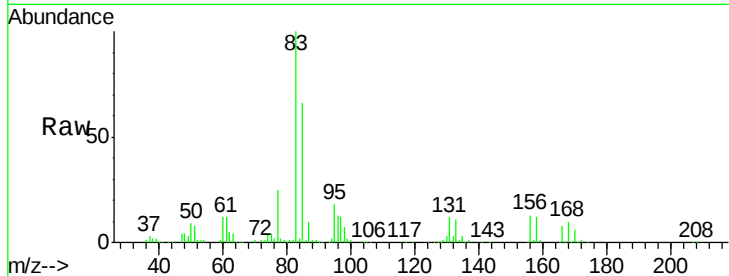
ClientSampleId :

ICVY042320

Tot Ion:	83	Resp:	117176
Ion	Ratio	Lower	Upper
83	100		
131	12.3	6.2	18.6
85	64.8	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#76

1,2,3-Trichloropropane

Concen: 50.659 ug/l m

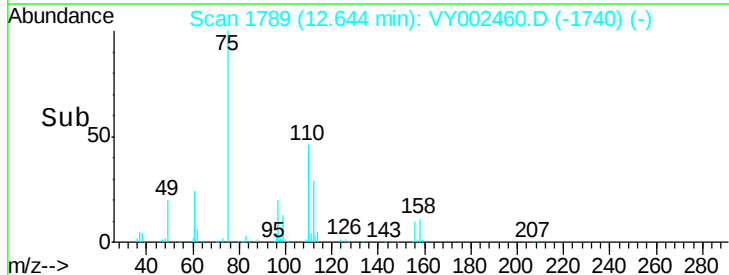
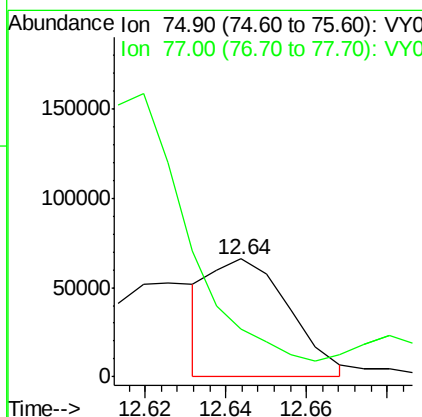
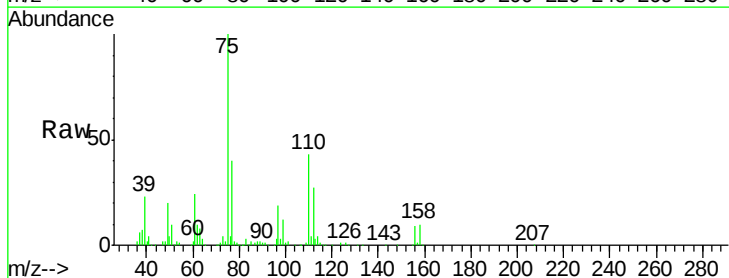
RT: 12.64 min Scan# 1789

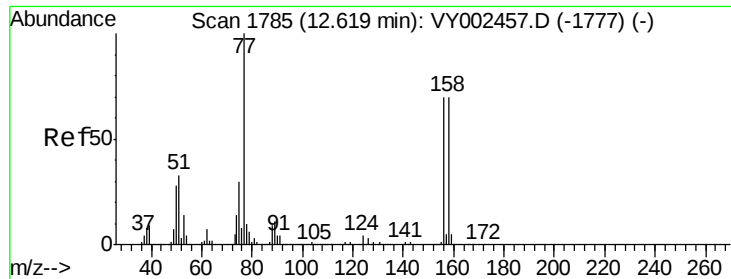
Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	75	Resp:	89823
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.972 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

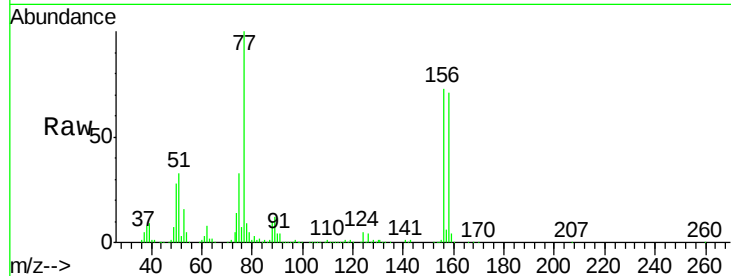
ClientSampleId :

ICVY042320

Tot Ion:	156	Resp:	182305
Ion Ratio	Lower	Upper	
156	100		
77	157.9	78.5	235.7
158	96.9	48.4	145.3

Manual Integrations
APPROVED

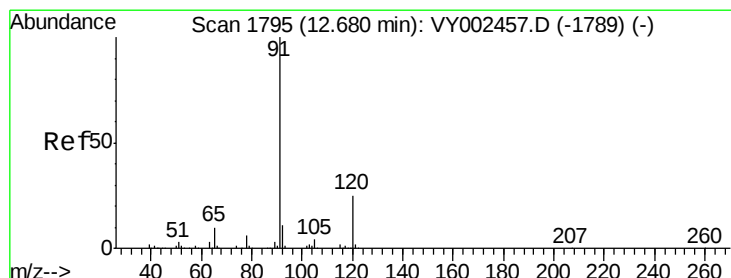
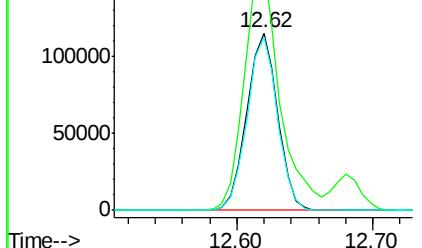
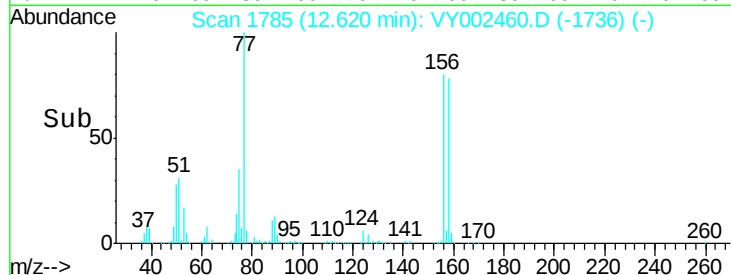
MMDadoda
4/24/2020 1:33:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.275 ug/l

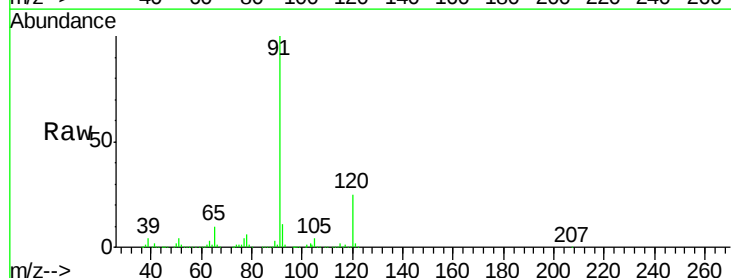
RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002460.D

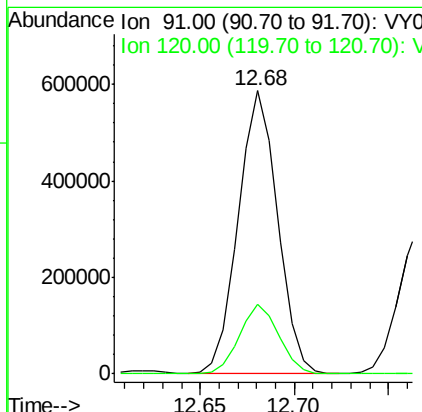
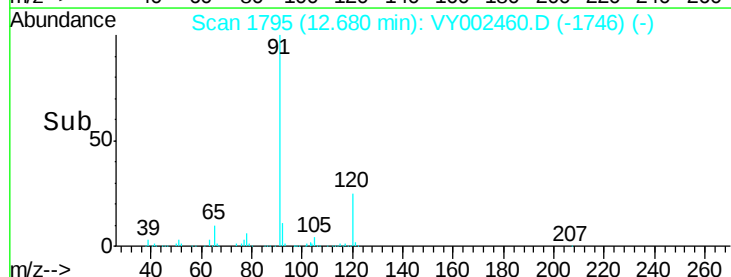
Acq: 23 Apr 2020 14:57

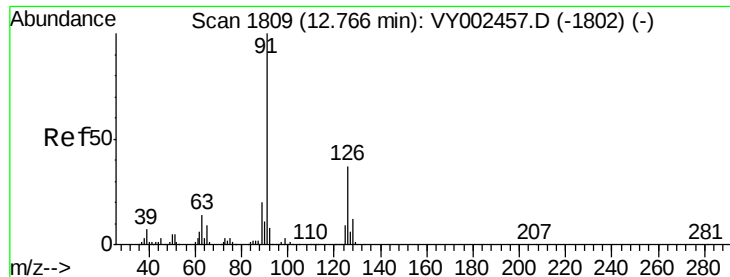
Tgt Ion:	91	Resp:	848896
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





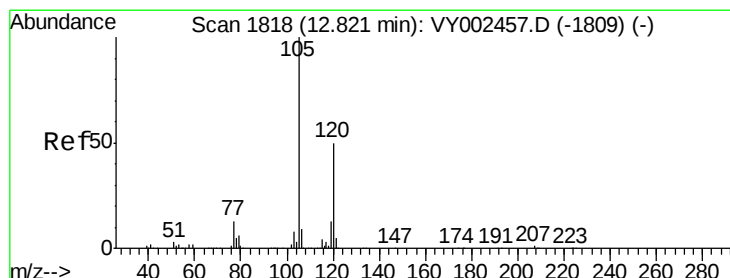
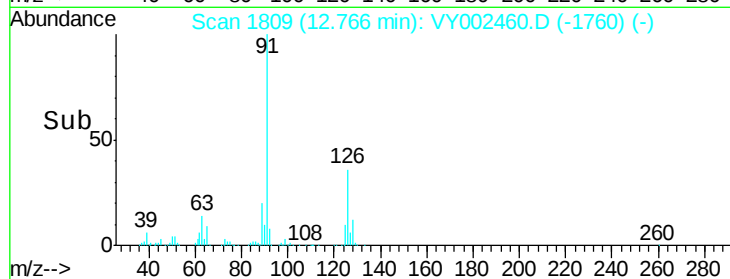
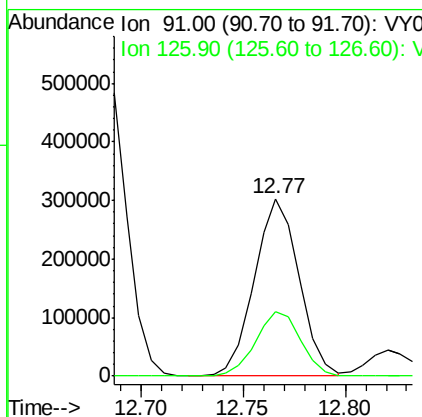
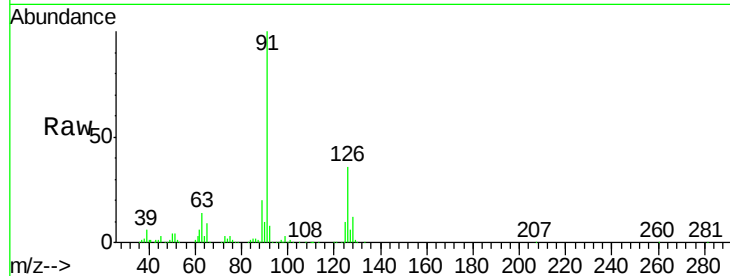
#79
 2-Chlorotoluene
 Concen: 51.784 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion: 91 Resp: 460147
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.5 55.5

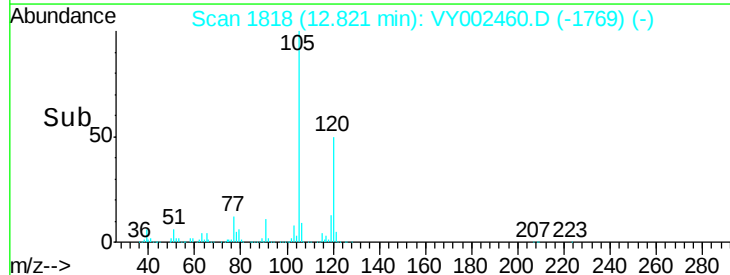
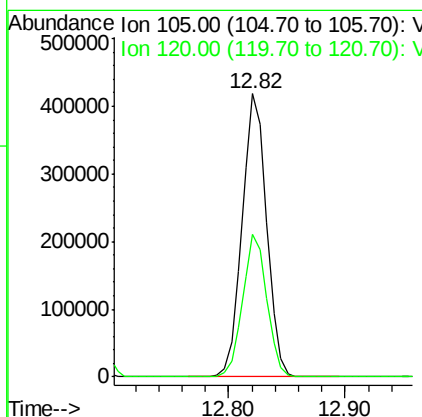
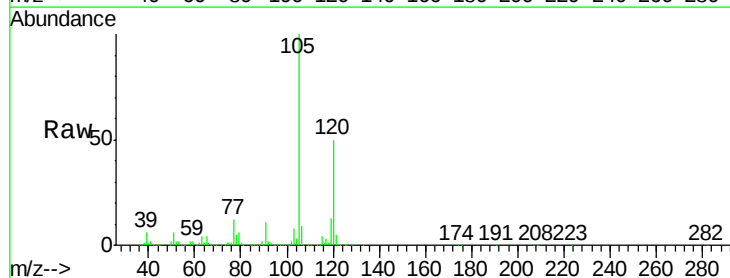
Manual Integrations
 APPROVED

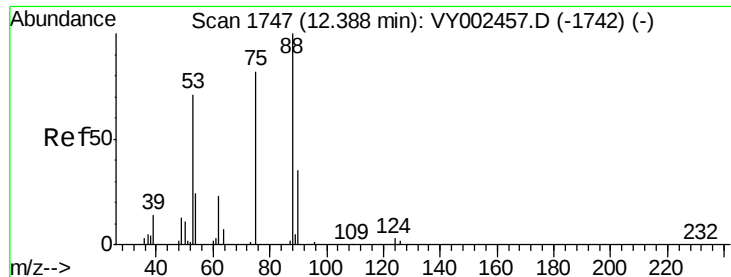
MMDadoda
 4/24/2020 1:33:41 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.718 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion: 105 Resp: 613919
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.334 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

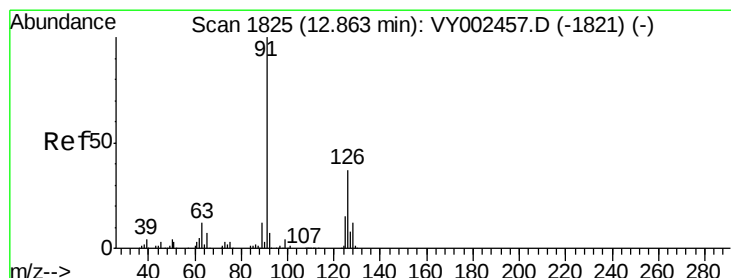
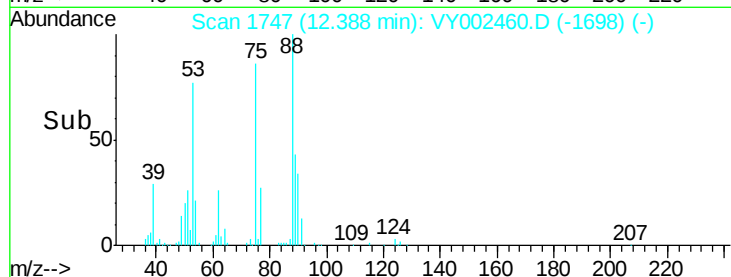
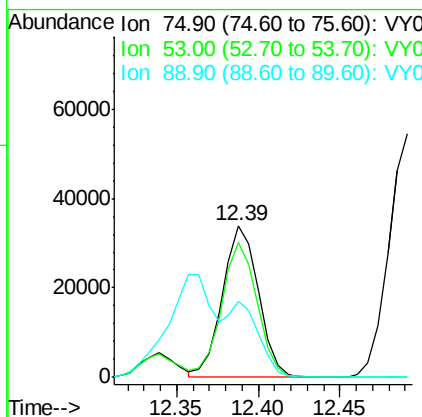
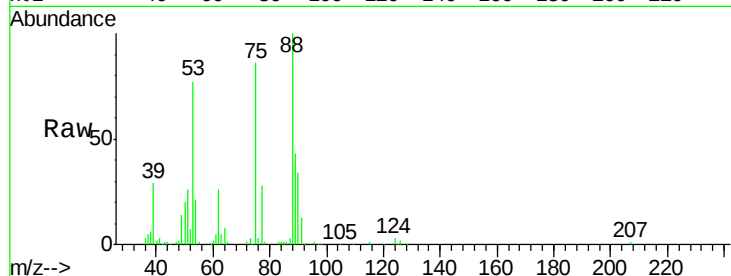
ClientSampleId :

ICVY042320

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	70.0	105.0
89	0.0	34.9	52.3#

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#82

4-Chlorotoluene

Concen: 52.120 ug/l

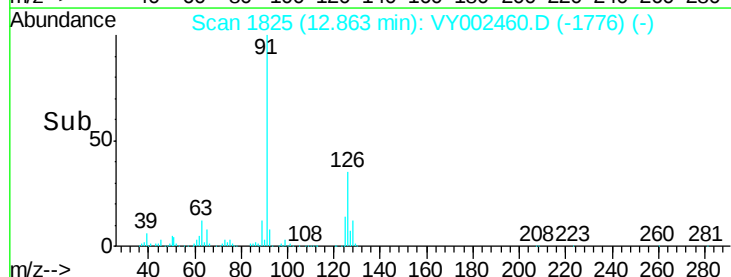
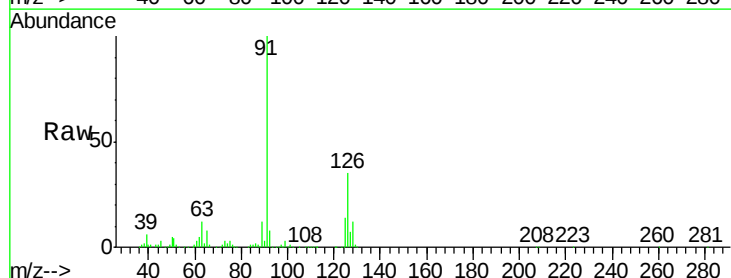
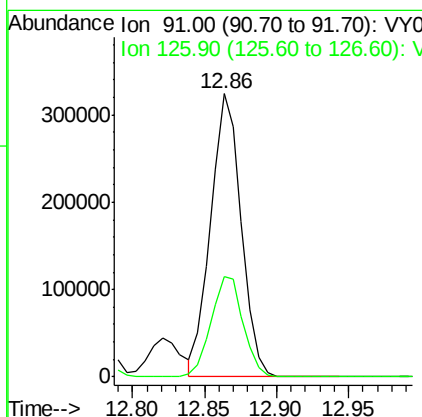
RT: 12.86 min Scan# 1825

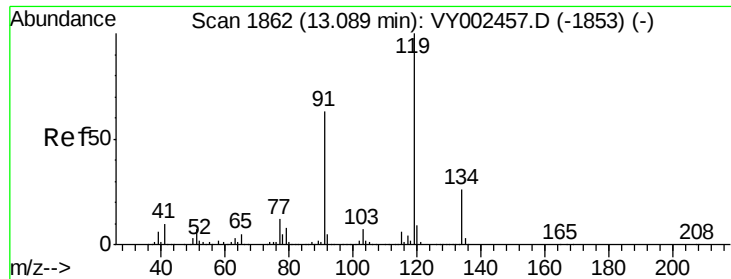
Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.5	55.5





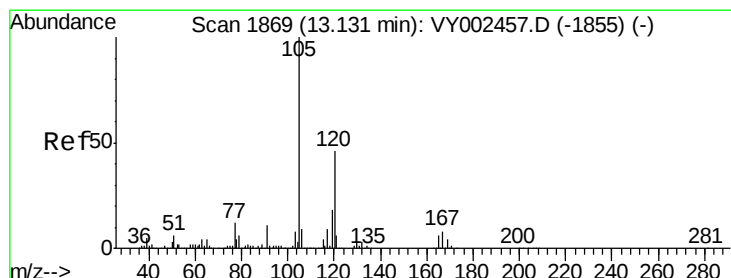
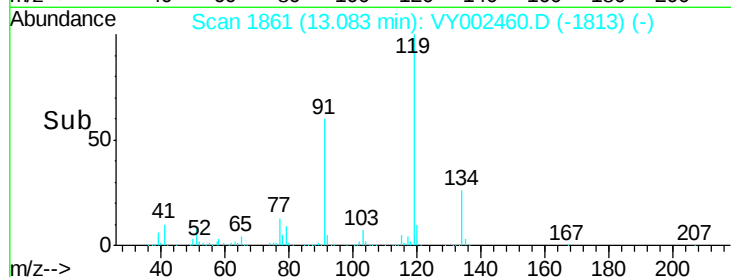
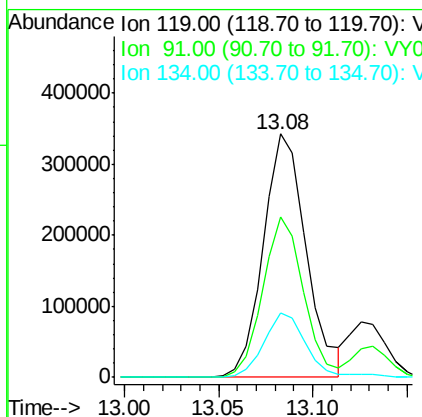
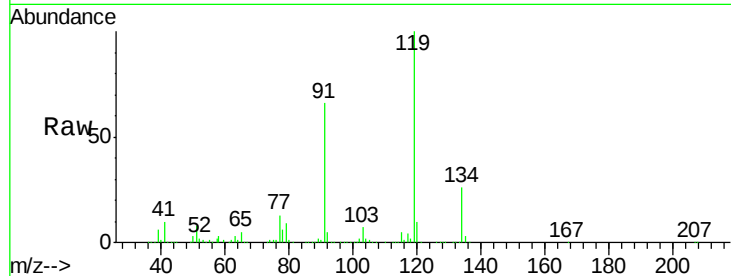
#83
tert-Butylbenzene
Concen: 52.531 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.8	92.3
134	26.3	13.2	39.6

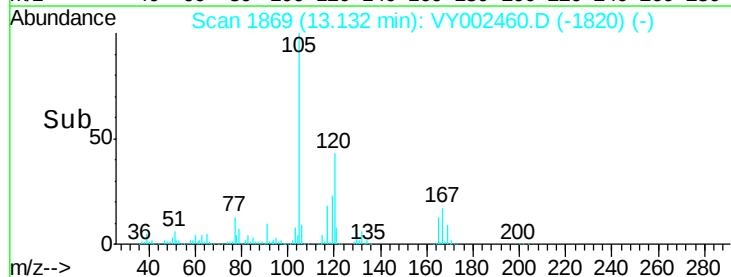
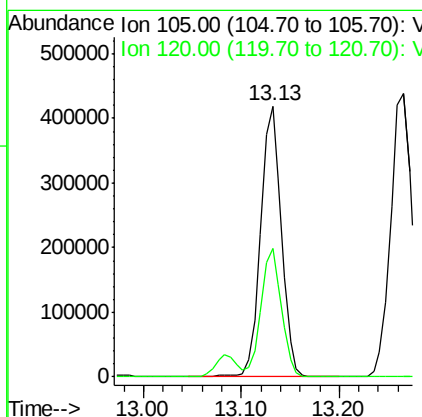
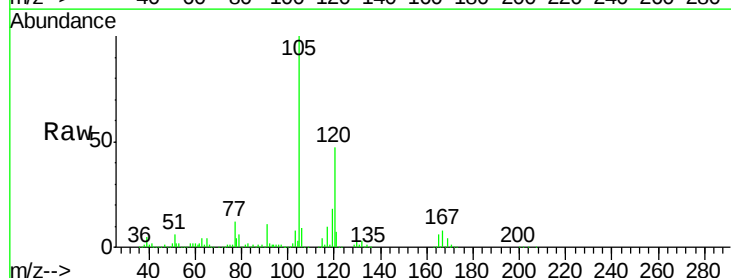
Manual Integrations
APPROVED

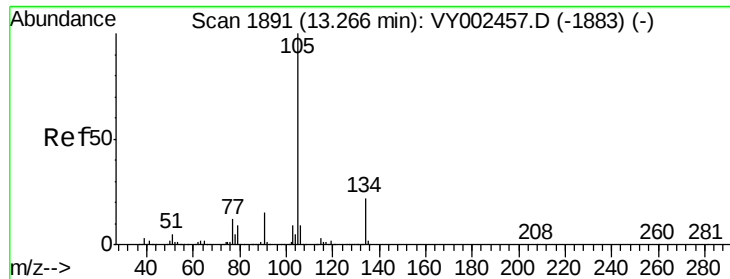
MMDadoda
4/24/2020 1:33:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 53.831 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 48.343 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

ClientSampleId :

ICVY042320

Tot Ion:105 Resp: 667267

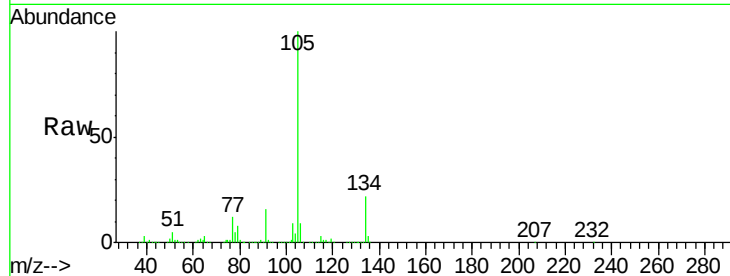
Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.3

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

400000

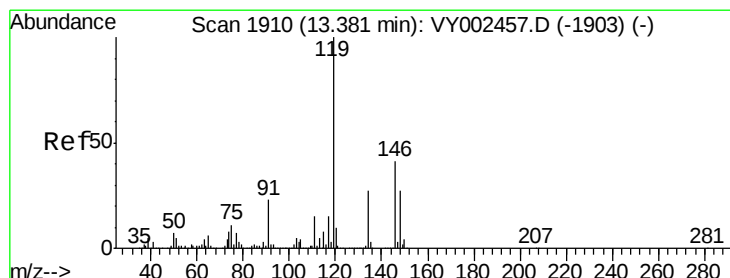
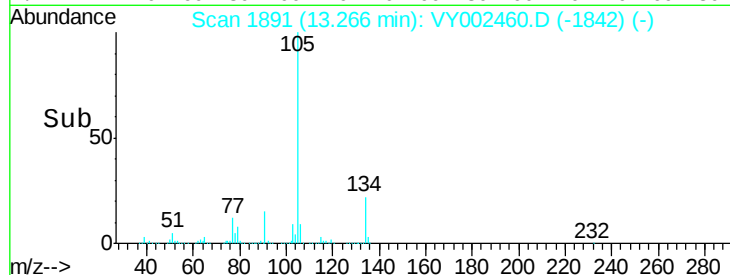
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.895 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

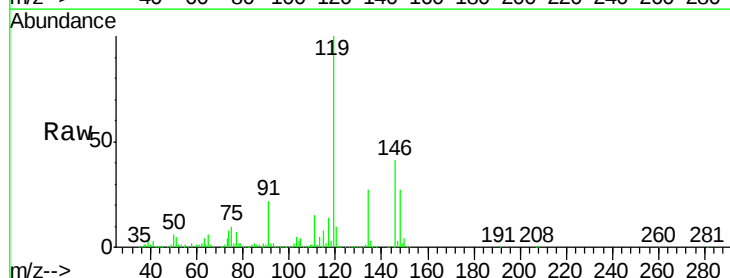
Tgt Ion:119 Resp: 696258

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

600000

500000

400000

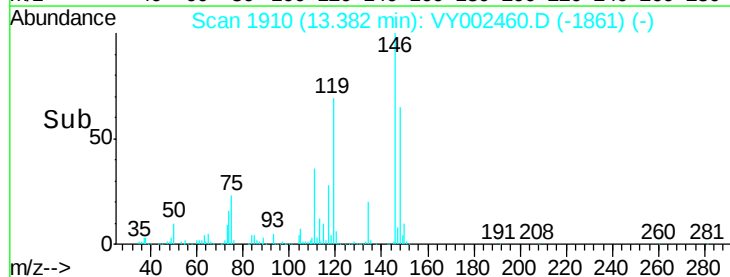
300000

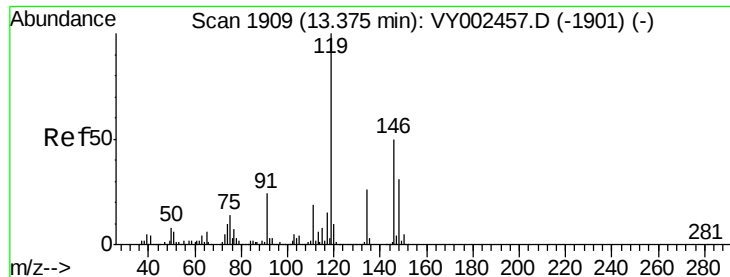
200000

100000

0

Time-->





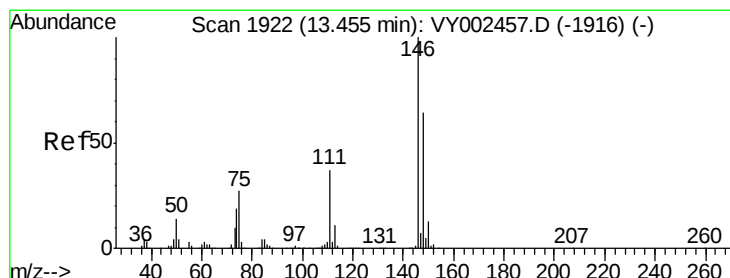
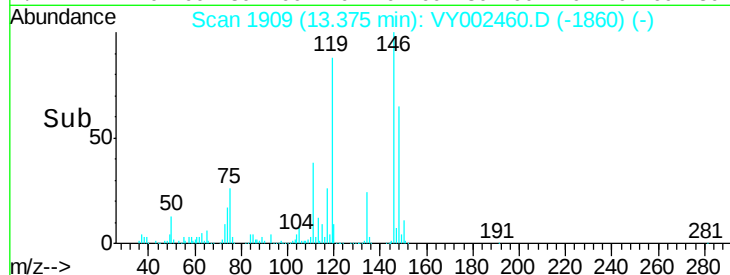
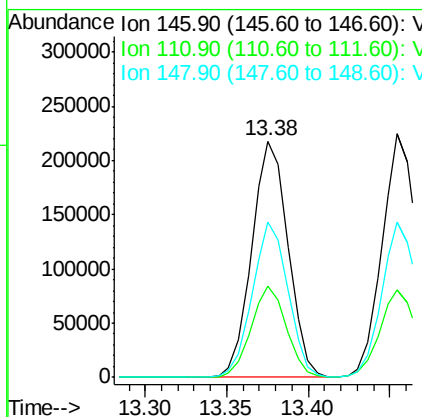
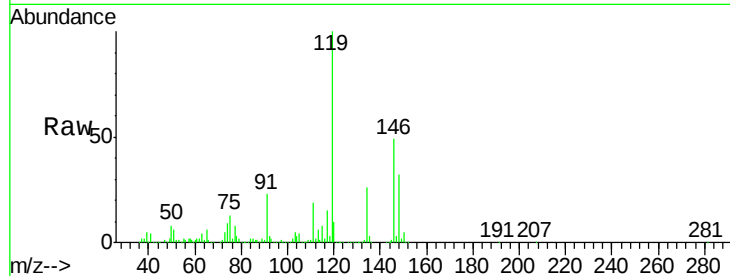
#87
 1,3-Dichlorobenzene
 Concen: 52.060 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.4	32.0	96.0

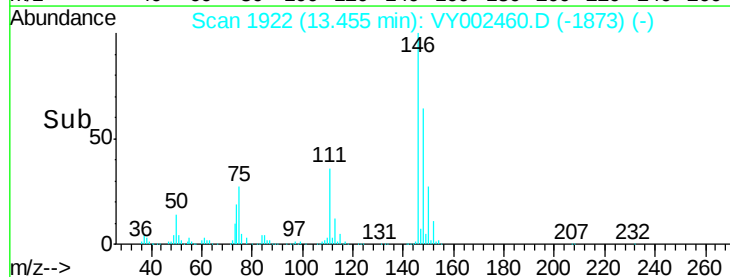
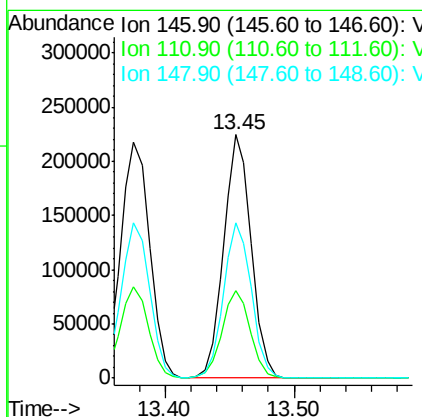
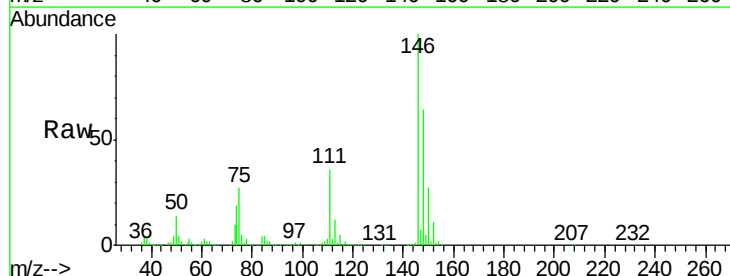
Manual Integrations
 APPROVED

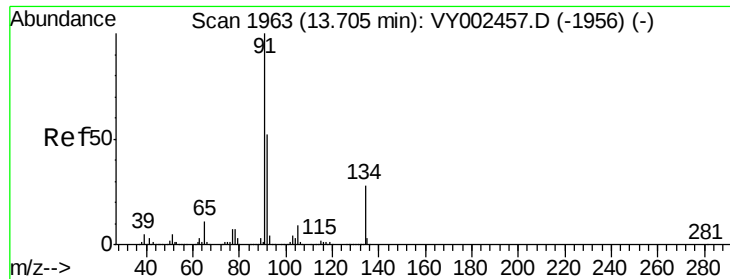
MMDadoda
 4/24/2020 1:33:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.164 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.6	32.1	96.5





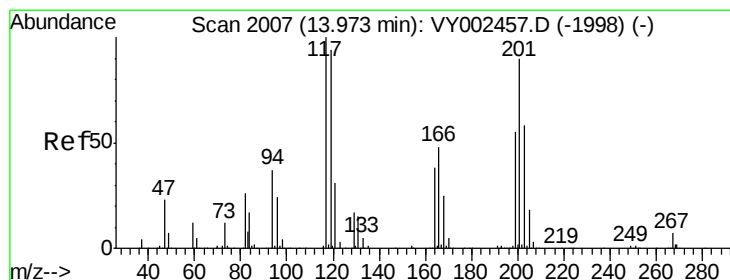
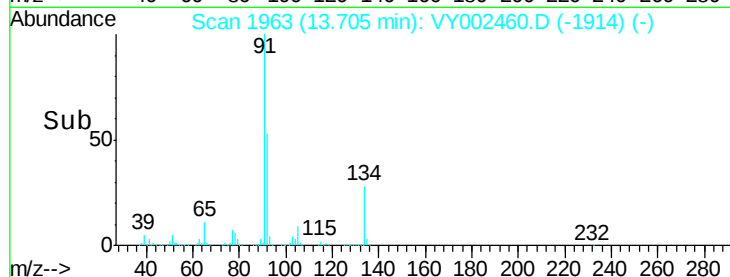
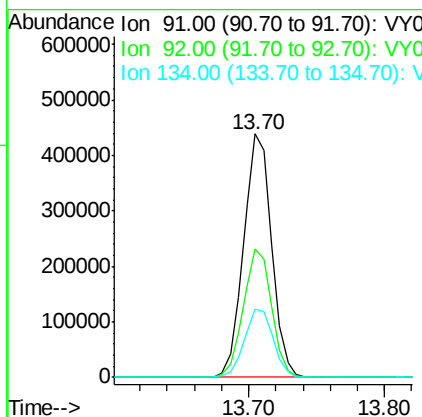
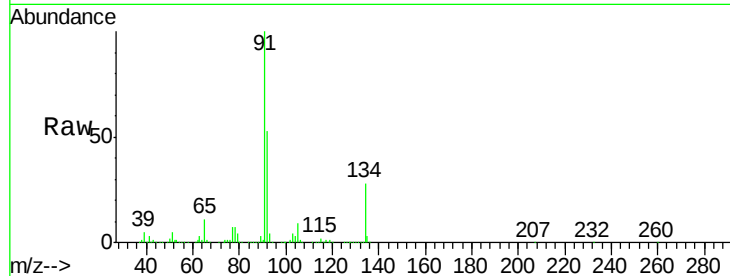
#89
n-Butylbenzene
Concen: 51.873 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Instrument :
MSVOA_Y
ClientSampleId :
ICVY042320

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.4
134	28.7	14.3	42.9

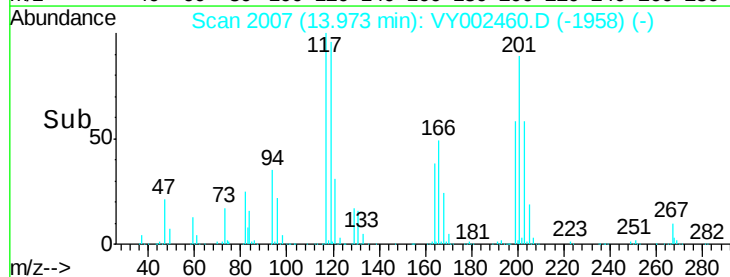
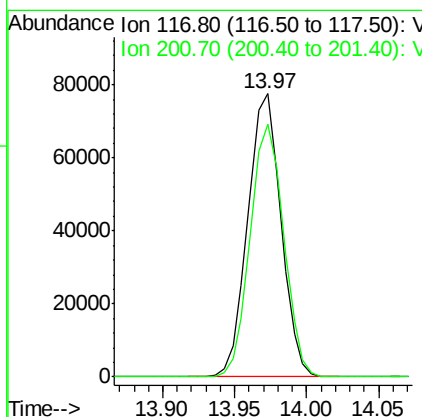
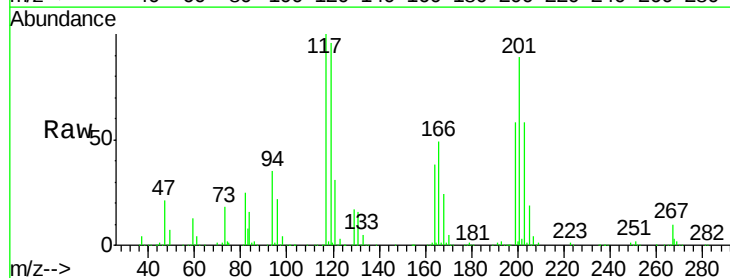
Manual Integrations
APPROVED

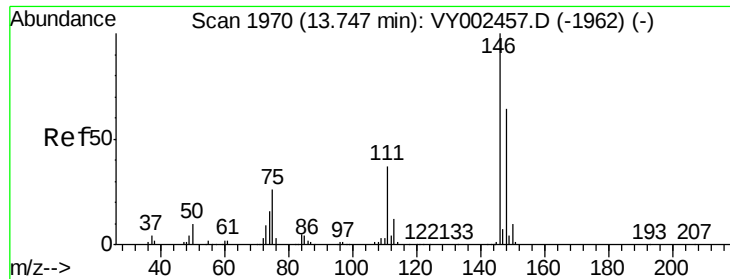
MMDadoda
4/24/2020 1:33:41 PM



#90
Hexachloroethane
Concen: 51.905 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002460.D
Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	44.4	133.1





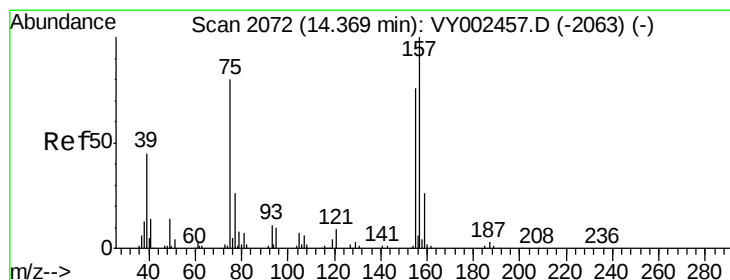
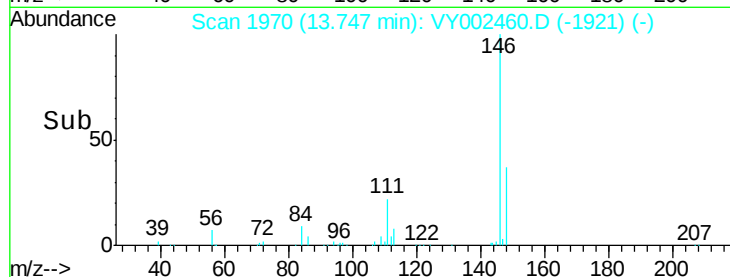
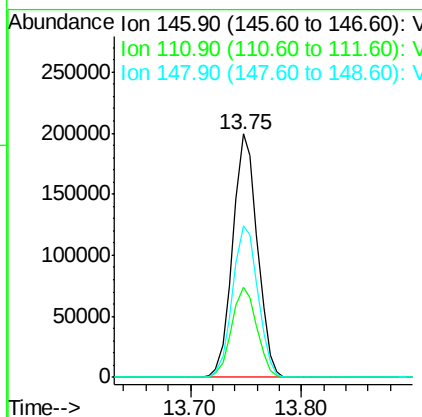
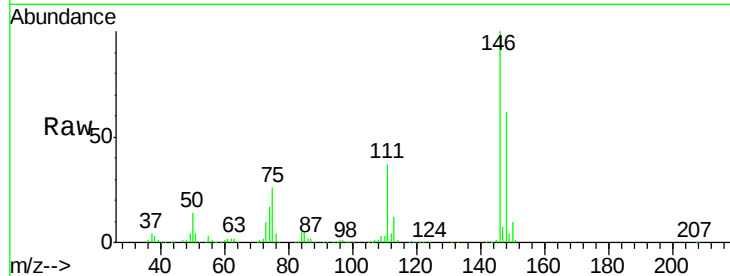
#91
 1,2-Dichlorobenzene
 Concen: 54.740 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	305838		
111	37.9	18.9	56.9	
148	63.8	31.6	94.7	

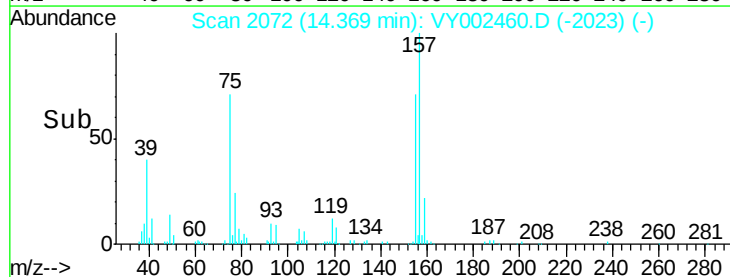
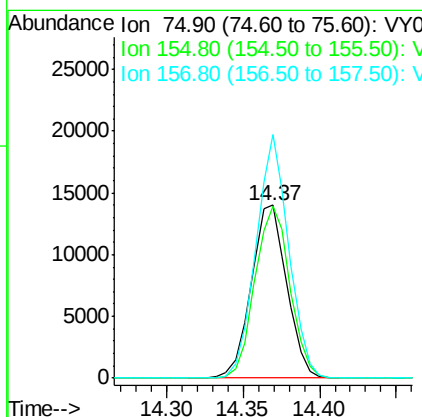
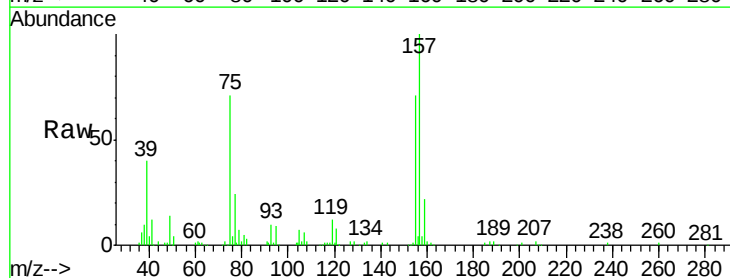
Manual Integrations
 APPROVED

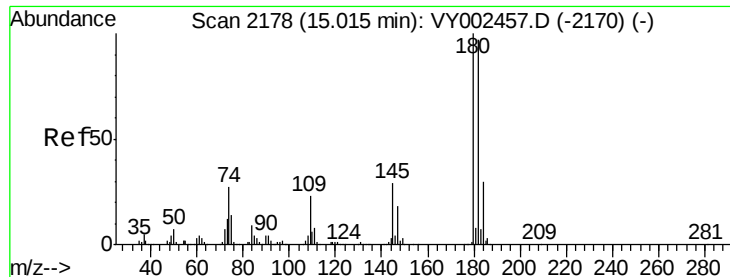
MMDadoda
 4/24/2020 1:33:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.988 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22597		
155	97.7	49.6	149.0	
157	129.4	62.6	187.9	





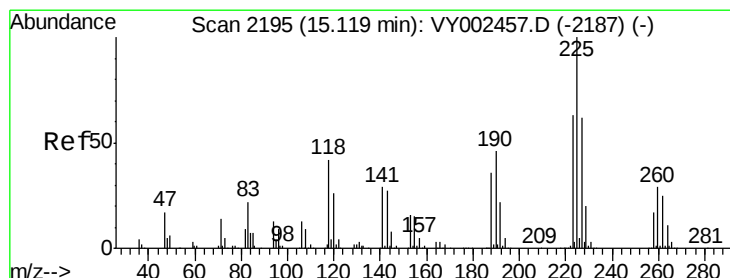
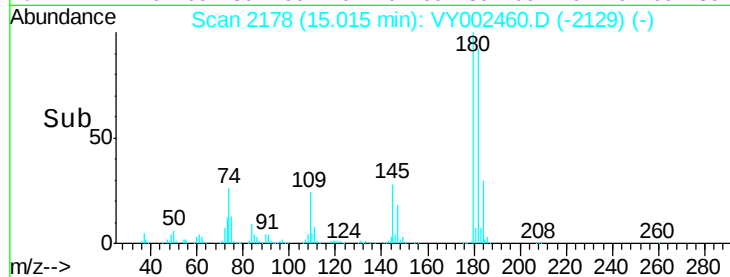
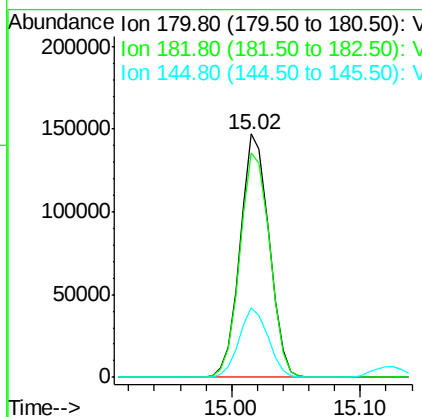
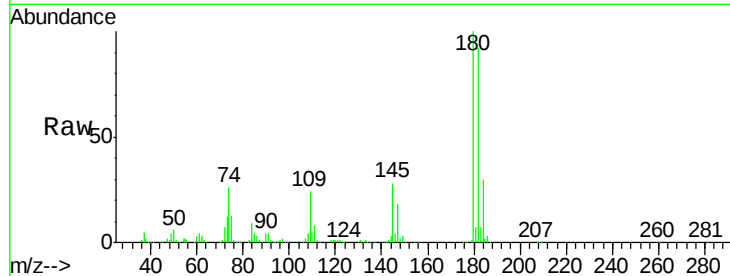
#93
 1,2,4-Trichlorobenzene
 Concen: 51.814 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY042320

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228478		
182	94.9	47.9	143.7	
145	28.5	14.2	42.6	

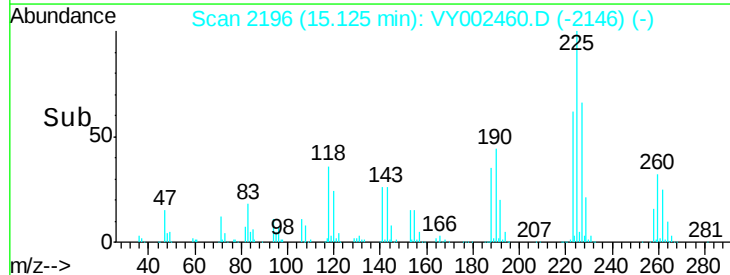
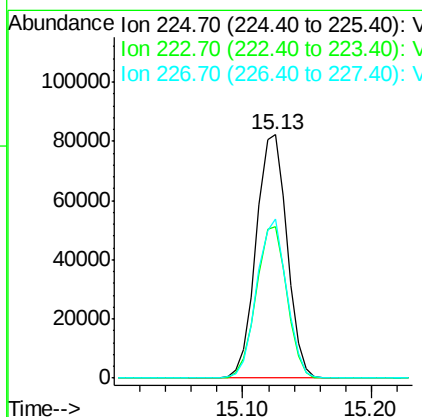
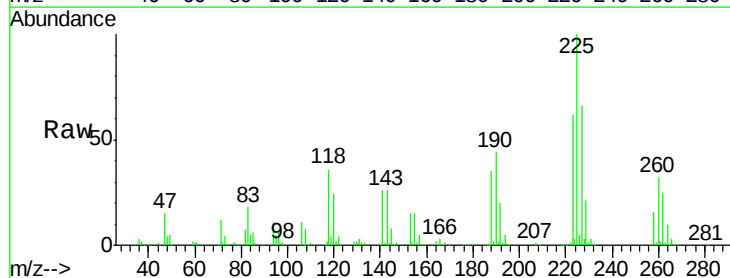
Manual Integrations
 APPROVED

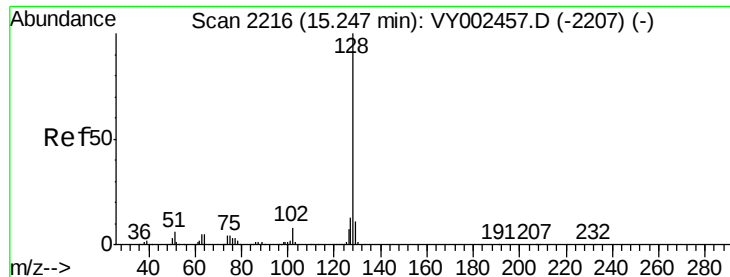
MMDadoda
 4/24/2020 1:33:41 PM



#94
 Hexachlorobutadiene
 Concen: 50.933 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002460.D
 Acq: 23 Apr 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135546		
223	61.9	31.1	93.3	
227	63.3	31.5	94.5	





#95

Naphthalene

Concen: 53.627 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Instrument :

MSVOA_Y

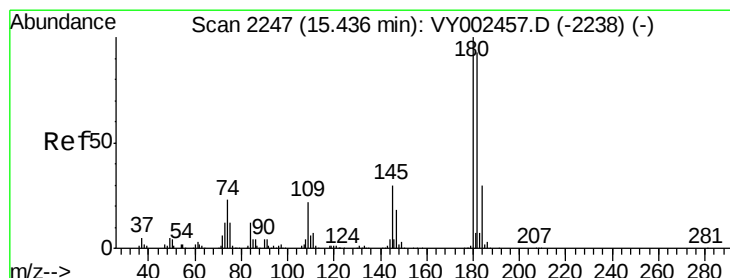
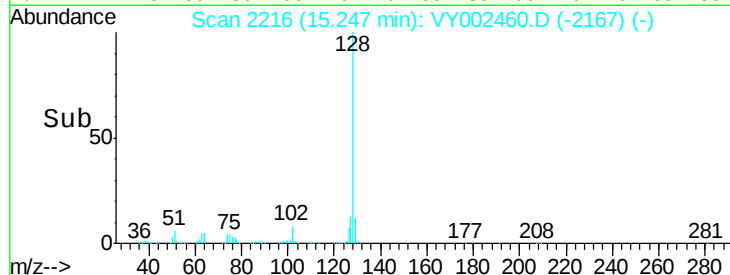
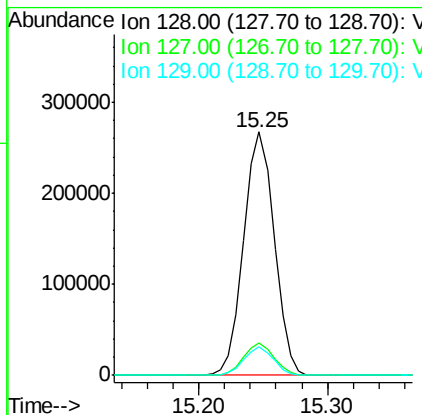
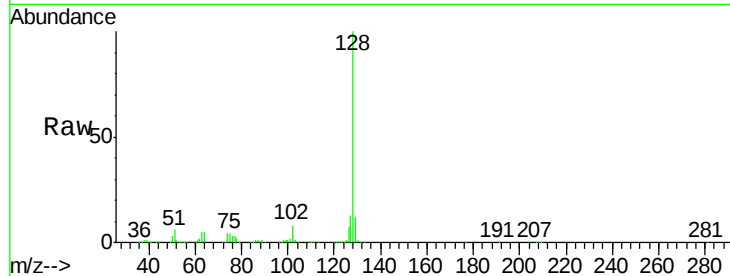
ClientSampleId :

ICVY042320

Tot Ion:	128	Resp:	438578
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.835 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002460.D

Acq: 23 Apr 2020 14:57

Tgt Ion:	180	Resp:	197616
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.6
145	30.4	15.3	45.9

