

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002691.D
 Acq On : 15 May 2020 10:33
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:01 PM

Quant Time: May 15 13:03:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	374826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	554233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	509530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	265713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	14497	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
35) Dibromofluoromethane	7.73	113	15465	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
50) Toluene-d8	10.18	98	63615	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.48	95	22198	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	14893	5.502	ug/l	99
3) Chloromethane	2.11	50	17287	5.840	ug/l	97
4) Vinyl Chloride	2.26	62	17187	5.092	ug/l	100
5) Bromomethane	2.65	94	13232	5.538	ug/l	96
6) Chloroethane	2.80	64	10655	5.173	ug/l	93
7) Trichlorofluoromethane	3.13	101	27647	5.142	ug/l	94
8) Diethyl Ether	3.54	74	8999	4.930	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	16509	5.024	ug/l	98
10) Methyl Iodide	4.10	142	19430	4.332	ug/l	99
11) Tert butyl alcohol	4.97	59	8634	26.897	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	16987	5.284	ug/l	90
13) Acrolein	3.74	56	8653	35.692	ug/l	98
14) Allyl chloride	4.49	41	23788	5.098	ug/l	97
15) Acrylonitrile	5.18	53	20625	24.046	ug/l	99
16) Acetone	3.96	43	14712	22.844	ug/l	98
17) Carbon Disulfide	4.20	76	52325	5.408	ug/l	99
18) Methyl Acetate	4.49	43	8769	4.162	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	39473	4.720	ug/l	91
20) Methylene Chloride	4.72	84	19220	5.281	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	18609	5.278	ug/l	87
22) Diisopropyl ether	6.13	45	45912	4.854	ug/l	95
23) Vinyl Acetate	6.07	43	143690	24.099	ug/l	99
24) 1,1-Dichloroethane	6.02	63	27437	4.909	ug/l	97
25) 2-Butanone	7.00	43	24997	23.753	ug/l	96
26) 2,2-Dichloropropane	6.99	77	27850	5.255	ug/l	95
27) cis-1,2-Dichloroethene	7.00	96	19914	5.099	ug/l	96
28) Bromochloromethane	7.35	49	10543	4.620	ug/l	98
29) Tetrahydrofuran	7.36	42	16607	23.738	ug/l	100
30) Chloroform	7.52	83	28857	4.944	ug/l	99
31) Cyclohexane	7.79	56	31333	5.559	ug/l #	76
32) 1,1,1-Trichloroethane	7.71	97	26269	4.860	ug/l	98
36) 1,1-Dichloropropene	7.92	75	24060	5.209	ug/l	98
37) Ethyl Acetate	7.08	43	12154	5.109	ug/l	98
38) Carbon Tetrachloride	7.91	117	24296	4.816	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002691.D
 Acq On : 15 May 2020 10:33
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:01 PM

Quant Time: May 15 13:03:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	31280	5.108	ug/l	98
40) Benzene	8.16	78	69236	5.161	ug/l	98
41) Methacrylonitrile	7.32	41	6270	4.906	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	17774	4.782	ug/l	98
43) Isopropyl Acetate	8.28	43	20334	4.571	ug/l	97
44) Trichloroethene	8.94	130	22056	5.236	ug/l	97
45) 1,2-Dichloropropane	9.22	63	16514	5.125	ug/l	99
46) Dibromomethane	9.31	93	9056	4.884	ug/l	100
47) Bromodichloromethane	9.50	83	21513	4.767	ug/l	99
48) Methyl methacrylate	9.30	41	9660	4.804	ug/l	94
49) 1,4-Dioxane	9.30	88	2356	96.164	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	53795	23.543	ug/l	98
52) Toluene	10.25	92	44377	5.147	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	22950	4.856	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	26281	4.795	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	13408	4.957	ug/l	96
56) Ethyl methacrylate	10.51	69	17008	4.718	ug/l	98
57) 1,3-Dichloropropane	10.79	76	22687	4.949	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	45090	23.636	ug/l	100
59) 2-Hexanone	10.83	43	37365	23.748	ug/l	99
60) Dibromochloromethane	10.99	129	16950	4.904	ug/l	99
61) 1,2-Dibromoethane	11.09	107	13168	4.897	ug/l	96
64) Tetrachloroethene	10.72	164	24794	5.444	ug/l	97
65) Chlorobenzene	11.52	112	48715	5.040	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	17687	4.933	ug/l	97
67) Ethyl Benzene	11.59	91	85111	5.025	ug/l	99
68) m/p-Xylenes	11.70	106	66320	10.102	ug/l	99
69) o-Xylene	12.03	106	30754	4.990	ug/l	97
70) Styrene	12.05	104	52029	4.944	ug/l	99
71) Bromoform	12.21	173	10740	4.829	ug/l #	98
73) Isopropylbenzene	12.33	105	85066	4.967	ug/l	99
74) N-amyl acetate	12.14	43	19311	4.714	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	11964	4.453	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	10700m	4.645	ug/l	
77) Bromobenzene	12.61	156	21505	5.027	ug/l	99
78) n-propylbenzene	12.67	91	99176	4.990	ug/l	100
79) 2-Chlorotoluene	12.75	91	55331	5.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	71458	5.029	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5561	4.780	ug/l #	79
82) 4-Chlorotoluene	12.85	91	58705	5.082	ug/l	99
83) tert-Butylbenzene	13.08	119	63133	5.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	70871	5.000	ug/l	99
85) sec-Butylbenzene	13.25	105	88604	5.126	ug/l	100
86) p-Isopropyltoluene	13.37	119	81752	5.047	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	41759	5.146	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	42288	5.267	ug/l	93
89) n-Butylbenzene	13.70	91	76001	5.147	ug/l	99
90) Hexachloroethane	13.96	117	14924	5.040	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	37942	5.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2420	4.803	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
Data File : VY002691.D
Acq On : 15 May 2020 10:33
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

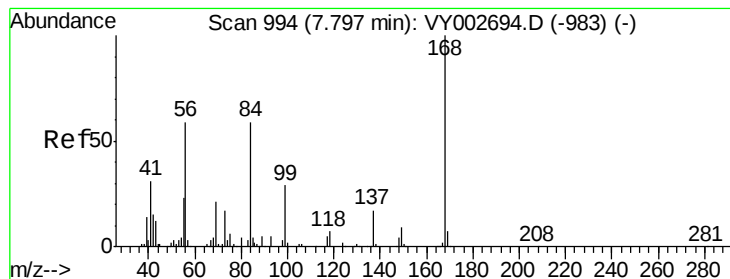
Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM

Quant Time: May 15 13:03:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
QLast Update : Fri May 15 12:50:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	27295	5.170	ug/l	95
94) Hexachlorobutadiene	15.11	225	17281	5.443	ug/l	100
95) Naphthalene	15.23	128	48466	5.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	24161	5.398	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 374826

Ion Ratio Lower Upper

168 100

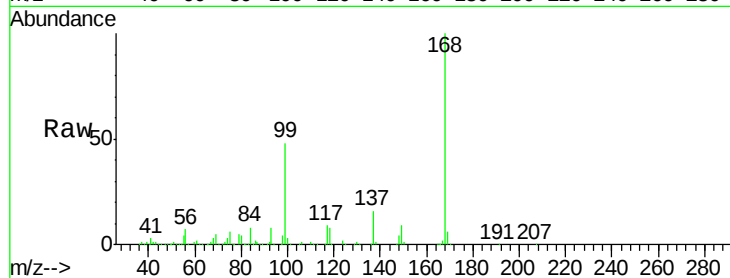
99 47.8 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002691.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002691.D (-983) (-)

7.80

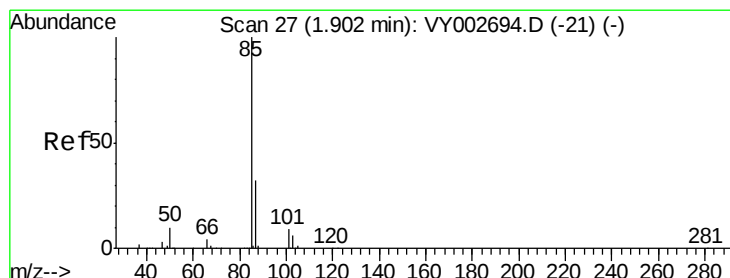
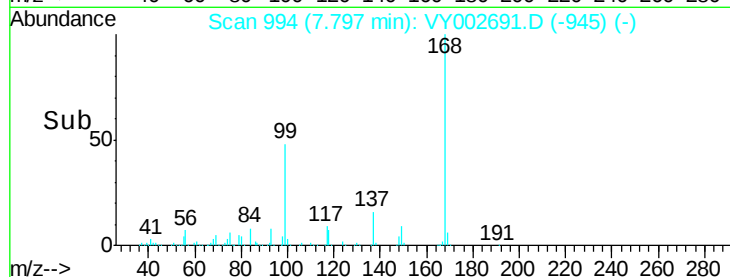
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.502 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002691.D

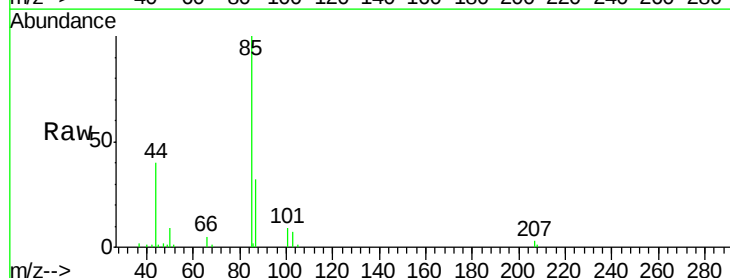
Acq: 15 May 2020 10:33

Tgt Ion: 85 Resp: 14893

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002691.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002691.D (-21) (-)

1.91

12000

10000

8000

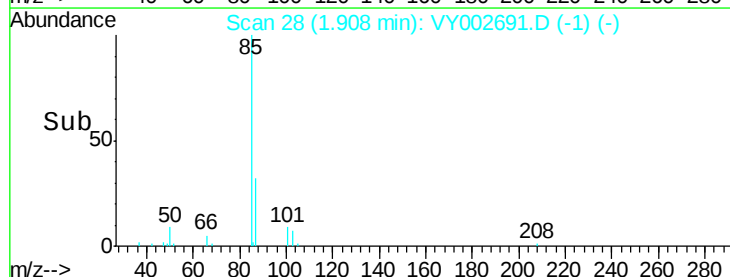
6000

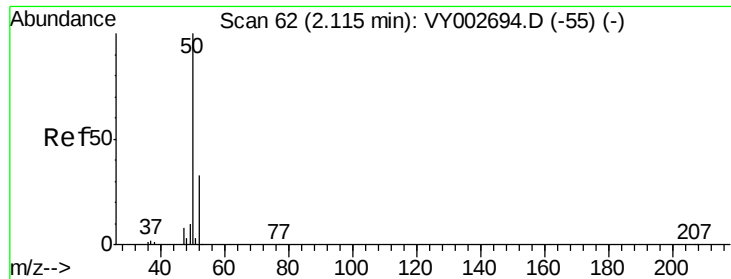
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.840 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17287

Ion Ratio Lower Upper

50 100

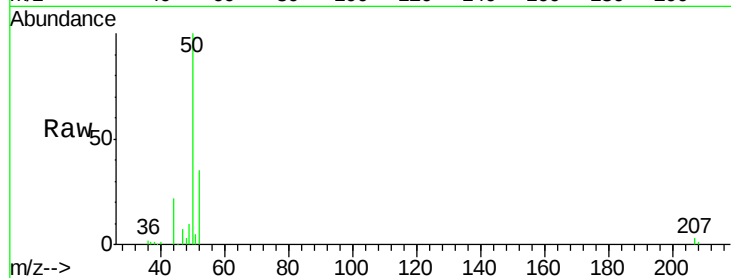
52 34.8 26.3 39.5

Manual Integrations

APPROVED

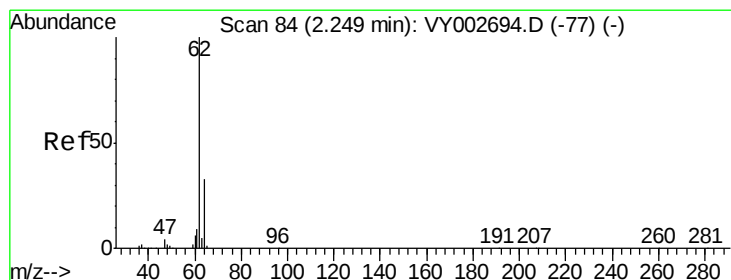
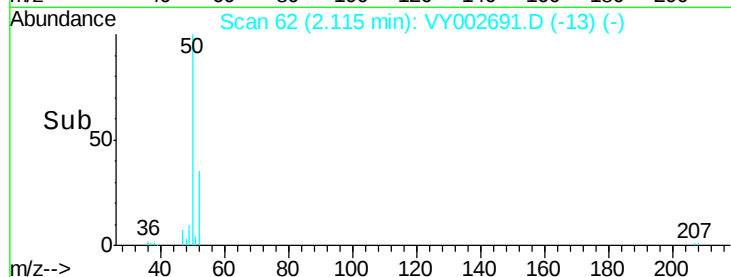
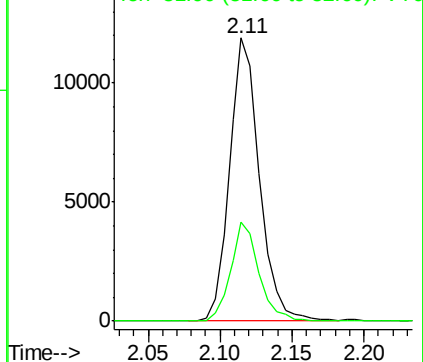
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 5.092 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002691.D

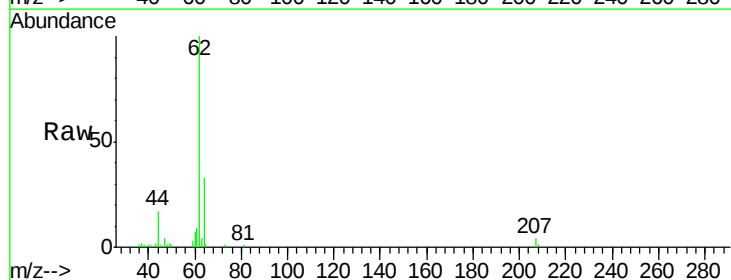
Acq: 15 May 2020 10:33

Tgt Ion: 62 Resp: 17187

Ion Ratio Lower Upper

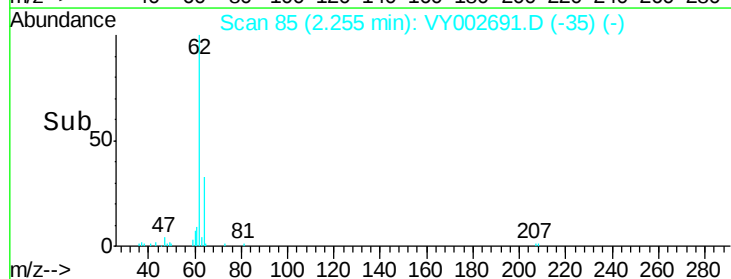
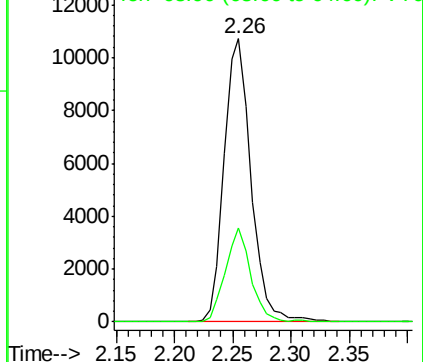
62 100

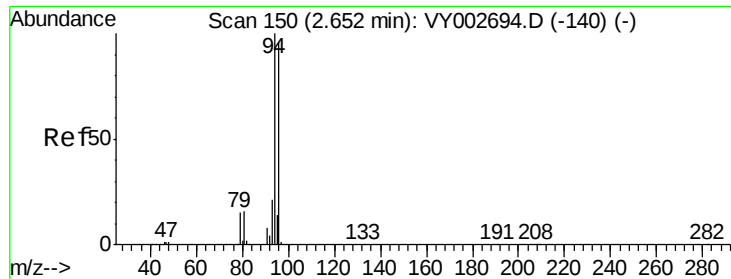
64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 5.538 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13232

Ion Ratio Lower Upper

94 100

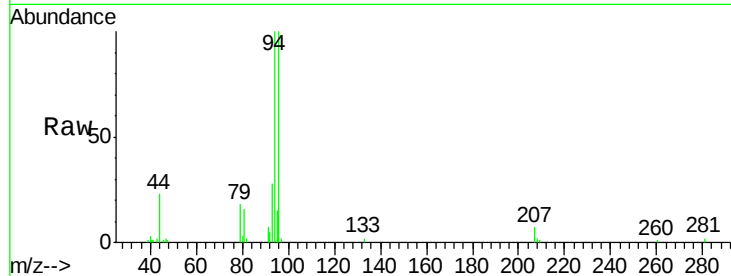
96 99.7 76.8 115.2

Manual Integrations

APPROVED

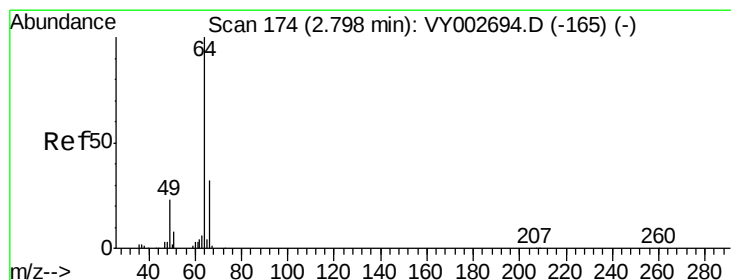
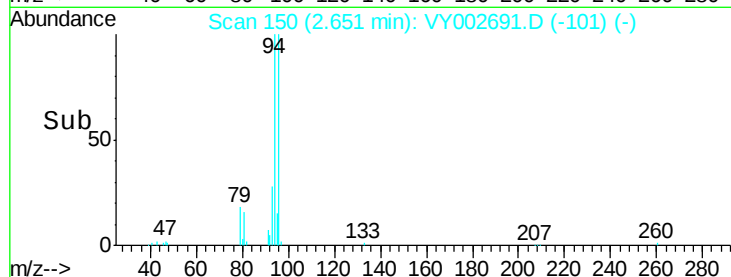
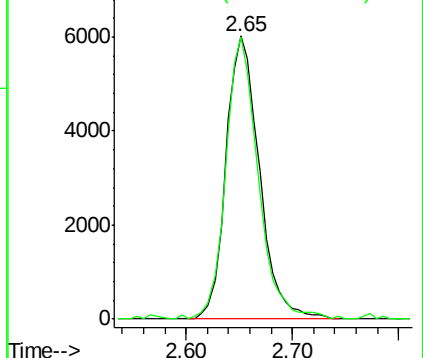
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.173 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY002691.D

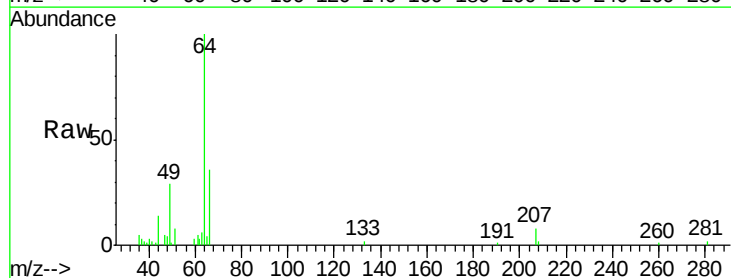
Acq: 15 May 2020 10:33

Tgt Ion: 64 Resp: 10655

Ion Ratio Lower Upper

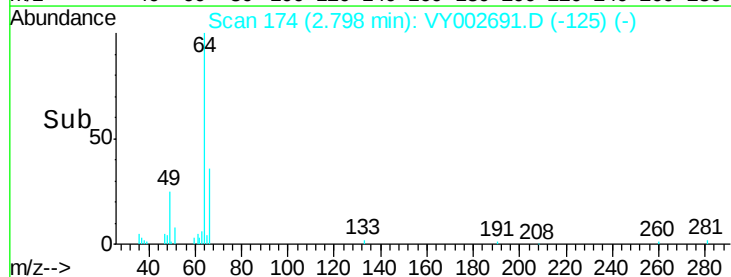
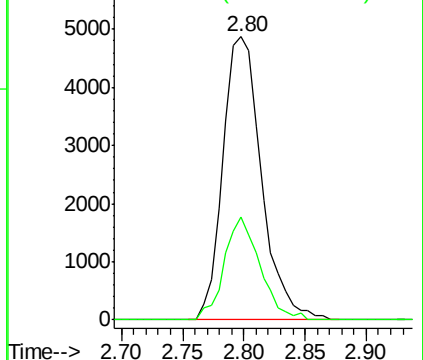
64 100

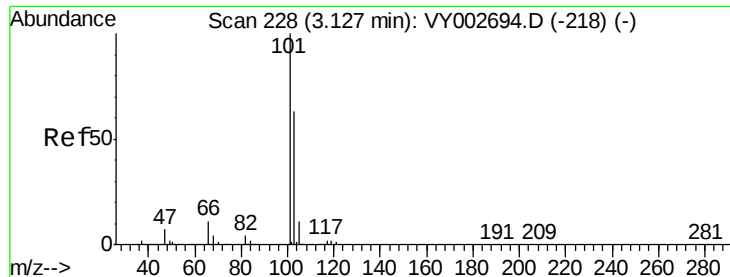
66 36.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

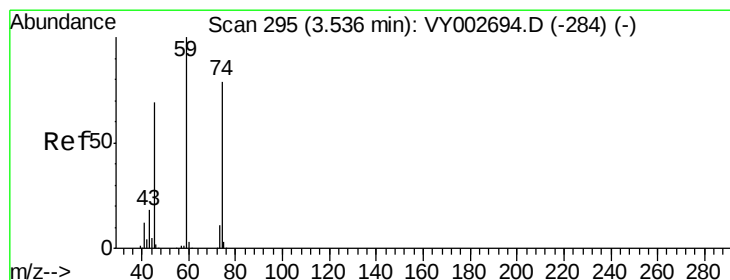
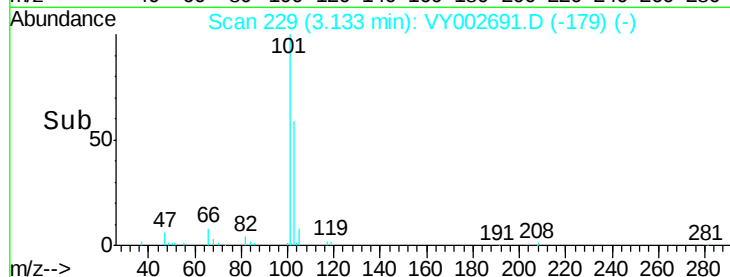
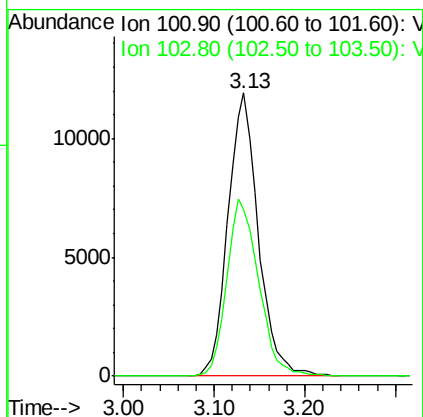
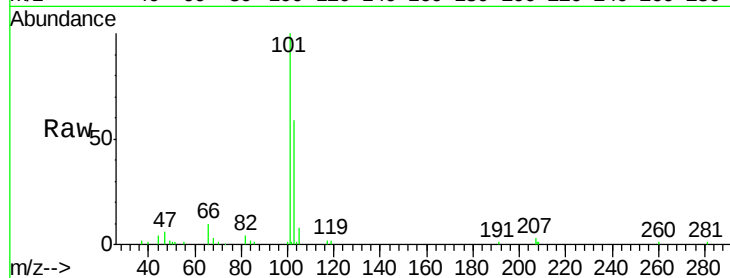
Trichlorofluoromethane
Concen: 5.142 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.8	50.6	75.8

Manual Integrations
APPROVED

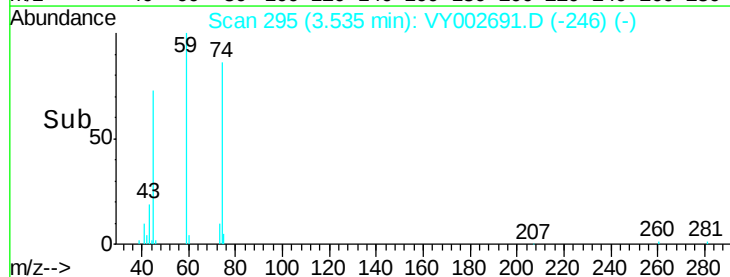
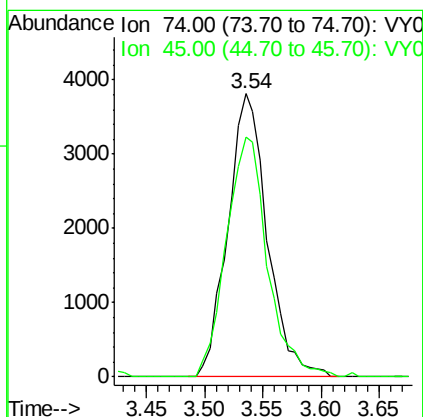
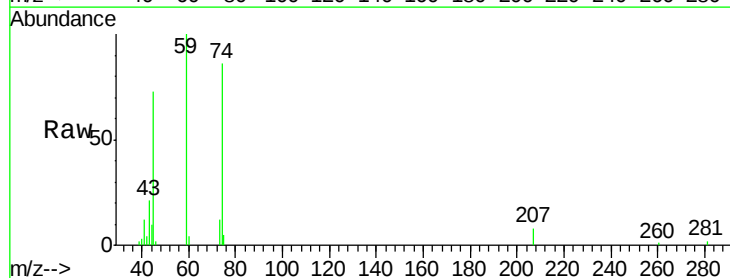
MMDadoda
5/18/2020 1:36:01 PM

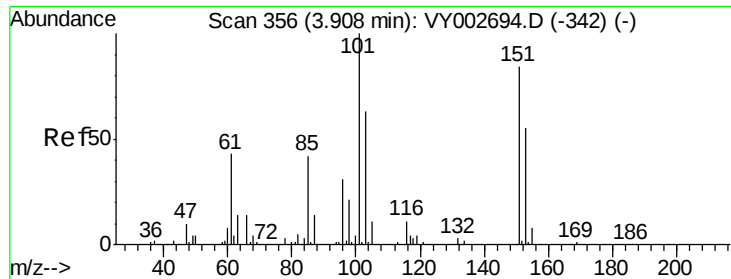


#8

Diethyl Ether
Concen: 4.930 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.3	43.8	131.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.024 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

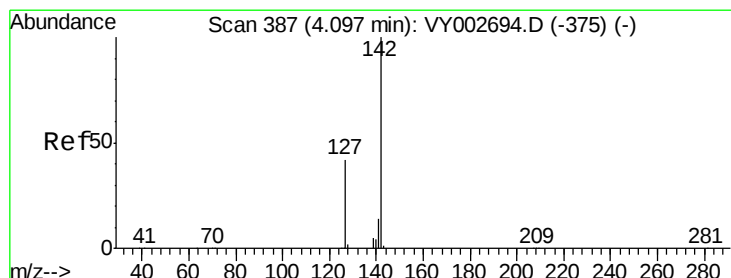
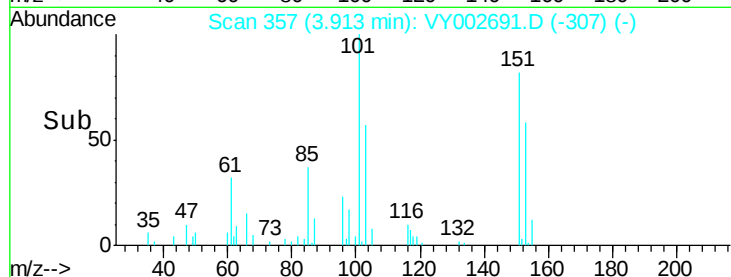
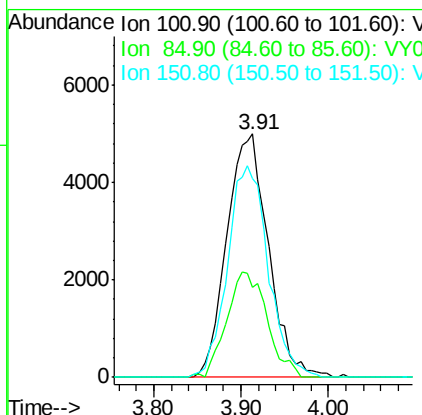
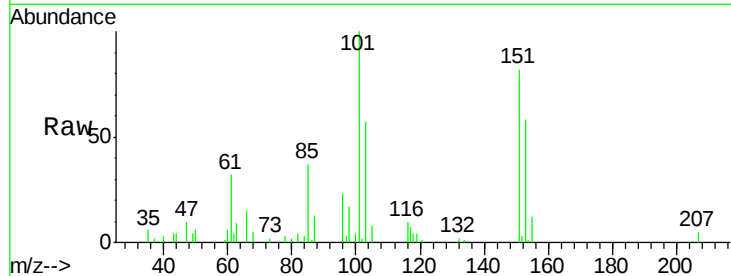
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16509
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.5	50.3
151	85.0	69.6	104.4

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#10

Methyl Iodide

Concen: 4.332 ug/l

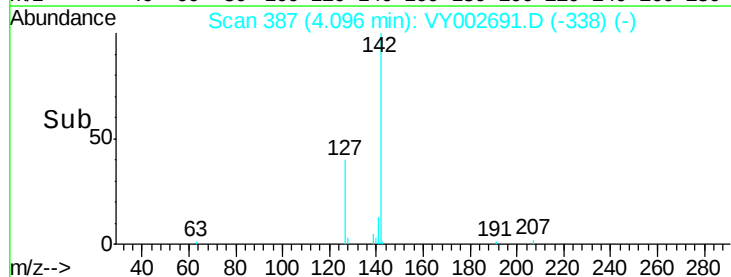
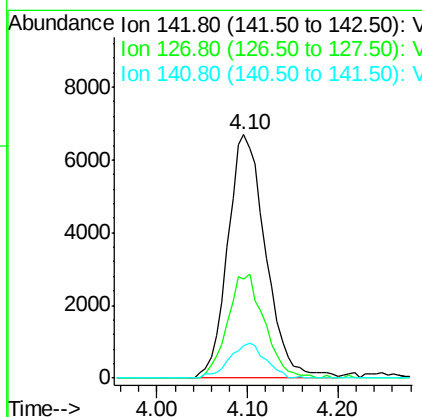
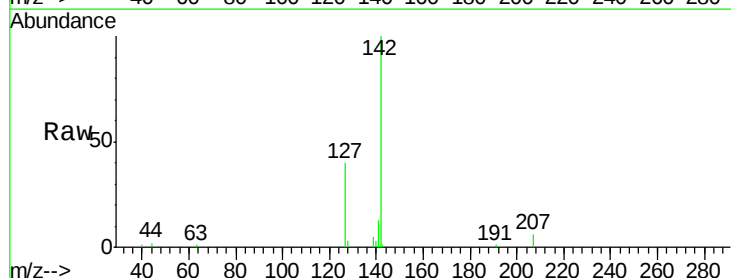
RT: 4.10 min Scan# 387

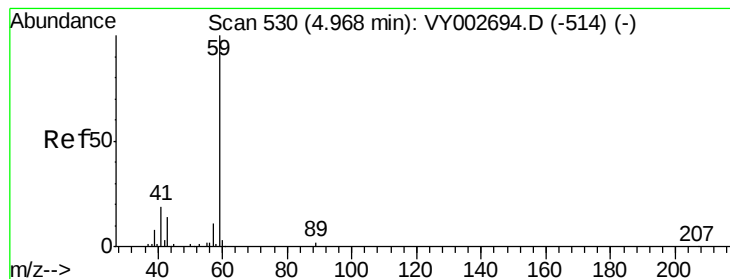
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	142	Resp:	19430
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.8	49.2
141	13.4	11.3	16.9





#11

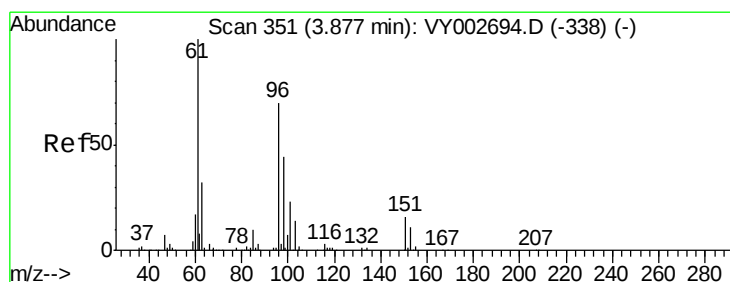
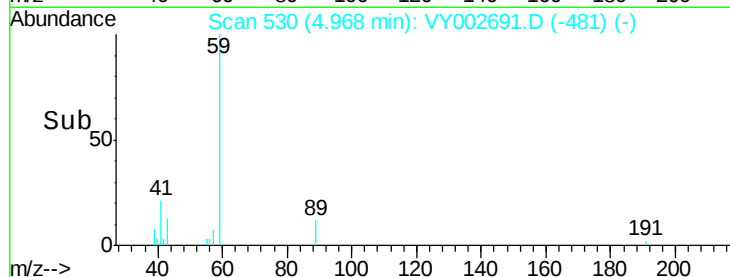
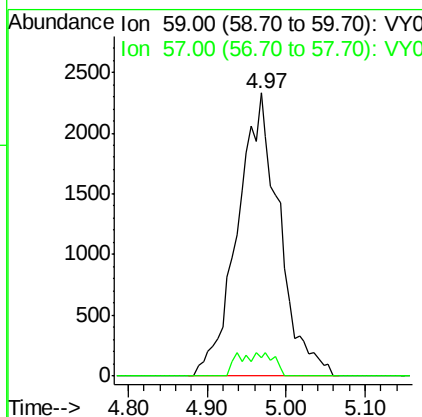
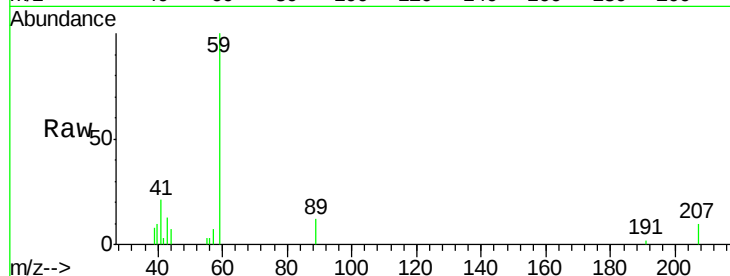
Tert butyl alcohol
 Concen: 26.897 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 8634
 Ion Ratio Lower Upper
 59 100
 57 3.8 7.7 11.5#

Manual Integrations
 APPROVED

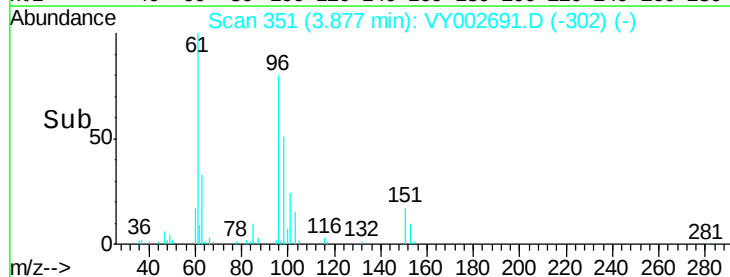
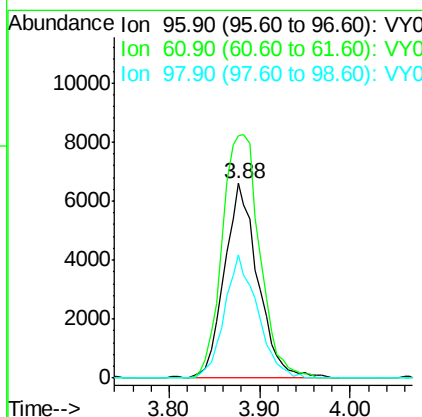
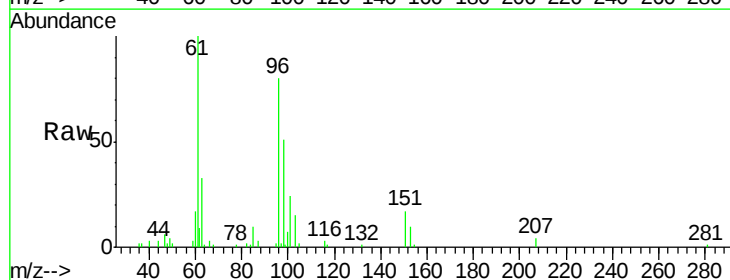
MMDadoda
 5/18/2020 1:36:01 PM

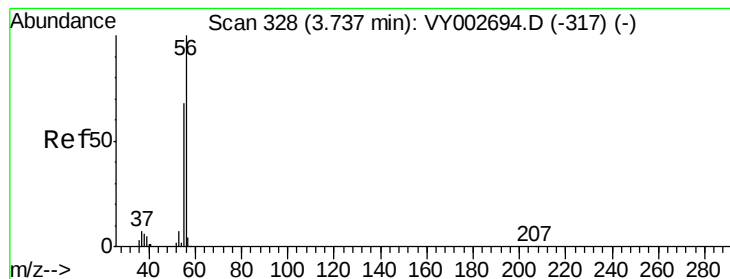


#12

1,1-Dichloroethene
 Concen: 5.284 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Tgt Ion: 96 Resp: 16987
 Ion Ratio Lower Upper
 96 100
 61 124.4 113.8 170.8
 98 63.3 50.4 75.6





#13

Acrolein

Concen: 35.692 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8653

Ion Ratio Lower Upper

56 100

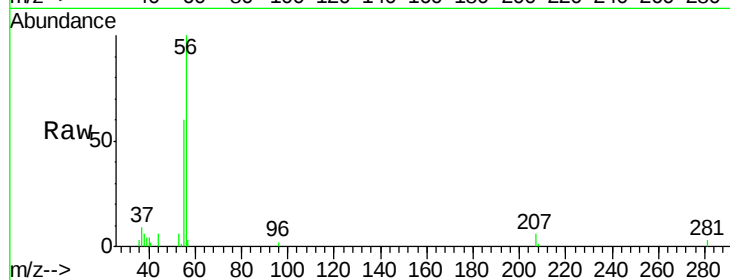
55 70.1 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

4000

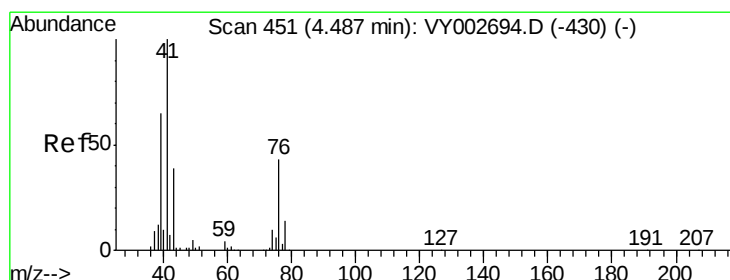
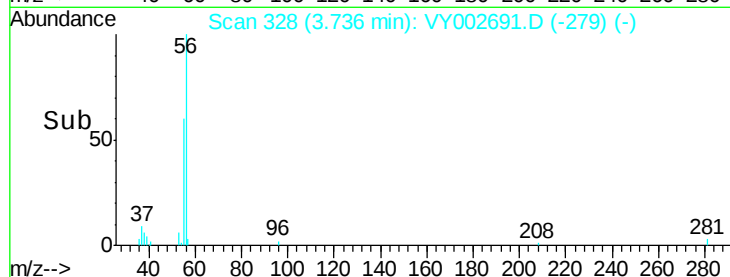
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 5.098 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

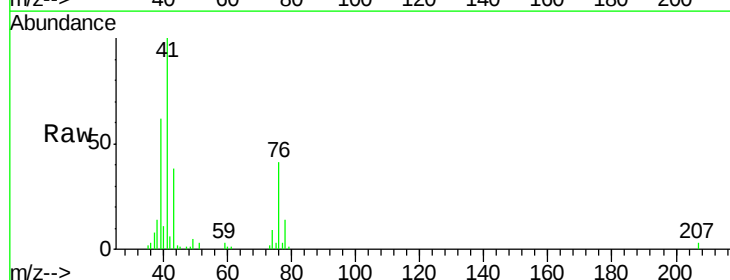
Tgt Ion: 41 Resp: 23788

Ion Ratio Lower Upper

41 100

39 61.3 50.3 75.5

76 39.2 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.49

10000

8000

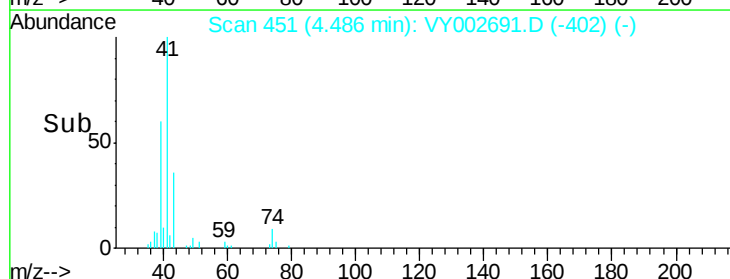
6000

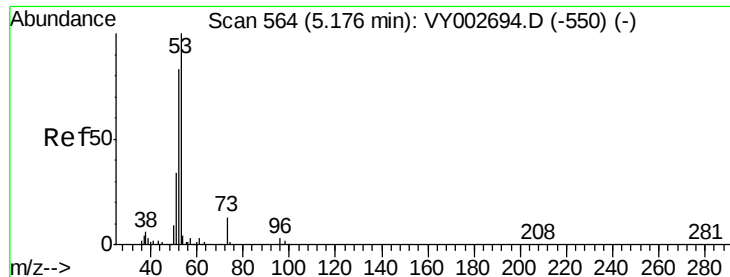
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 24.046 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

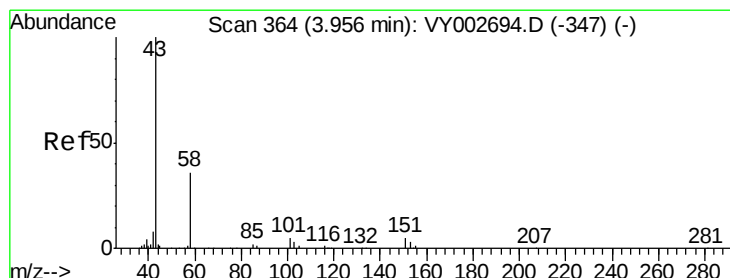
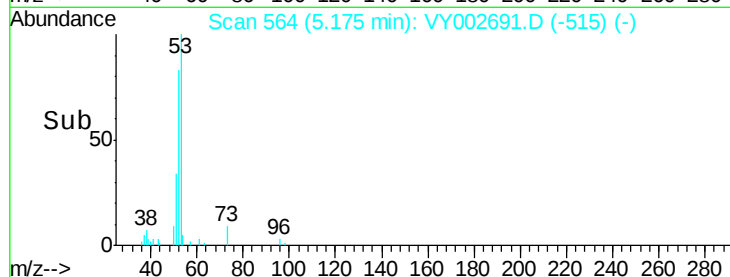
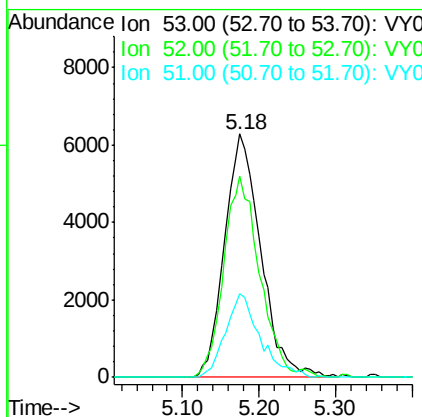
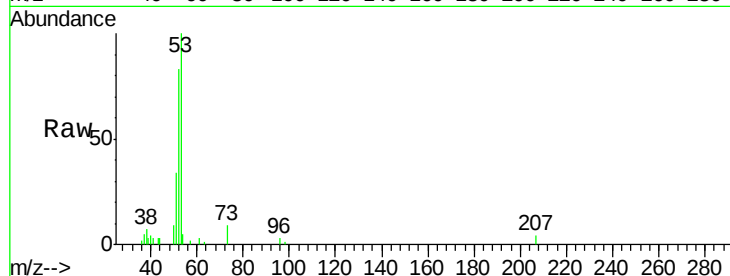
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	20625
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.0	97.6
51	32.7	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#16

Acetone

Concen: 22.844 ug/l

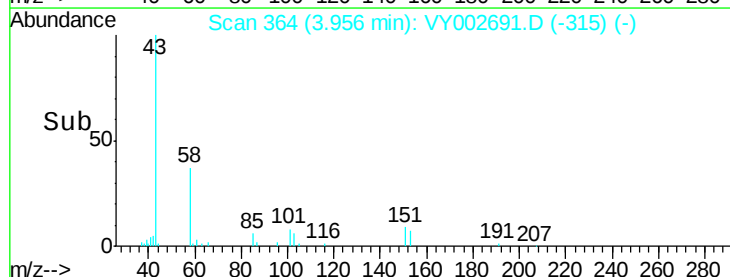
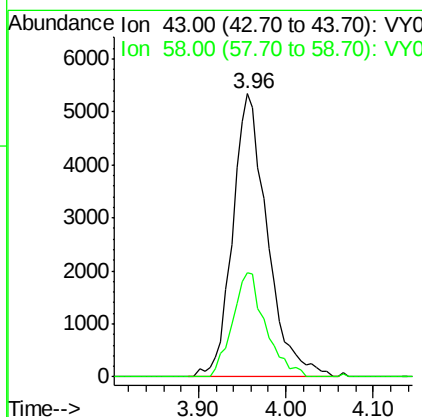
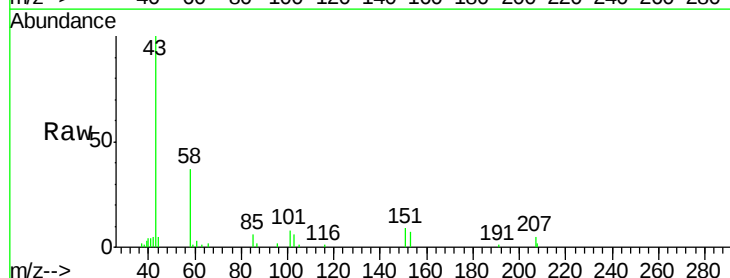
RT: 3.96 min Scan# 364

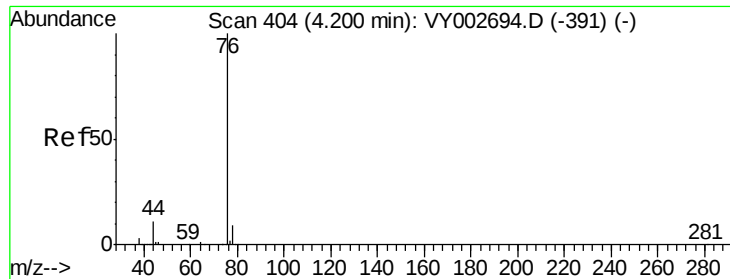
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	43	Resp:	14712
Ion Ratio	Lower	Upper	
43	100		
58	36.8	28.6	43.0





#17

Carbon Disulfide

Concen: 5.408 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 52325

Ion Ratio Lower Upper

76 100

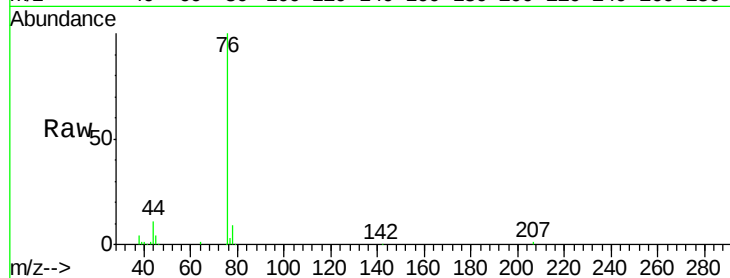
78 8.7 7.1 10.7

Manual Integrations

APPROVED

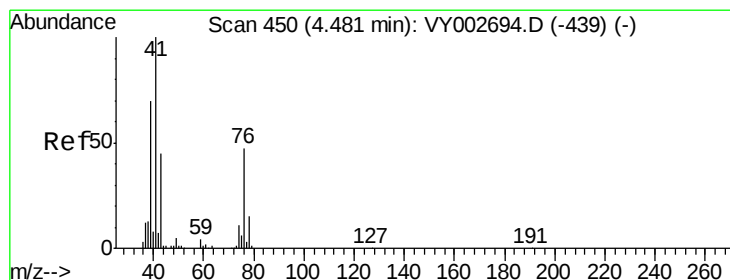
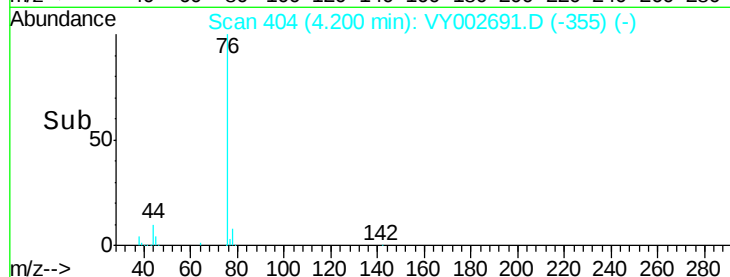
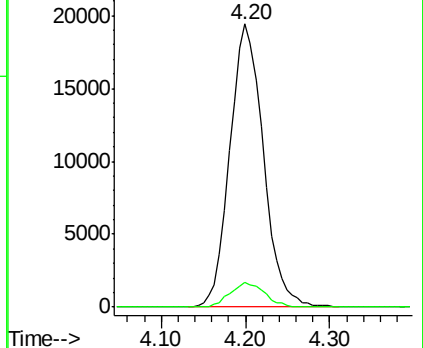
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 4.162 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002691.D

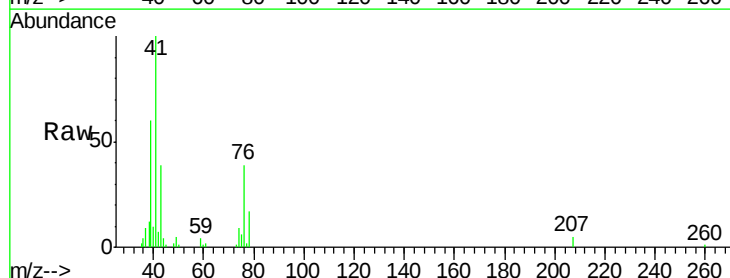
Acq: 15 May 2020 10:33

Tgt Ion: 43 Resp: 8769

Ion Ratio Lower Upper

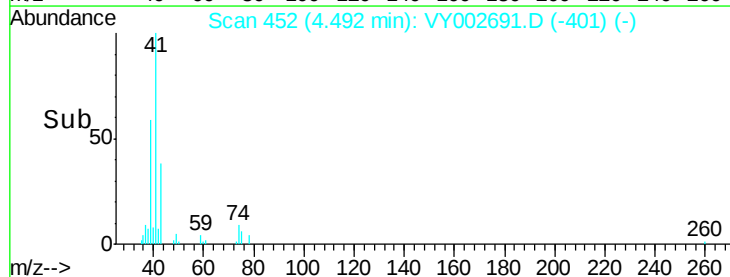
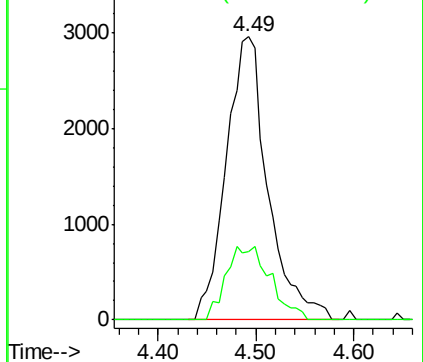
43 100

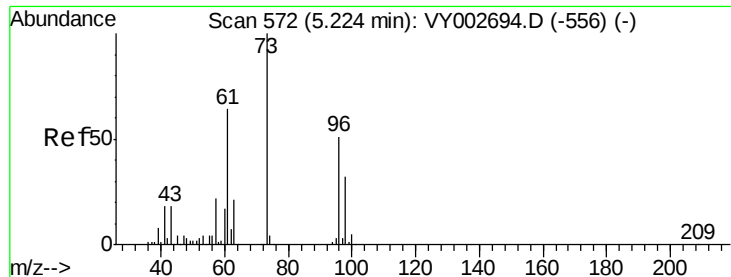
74 27.4 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





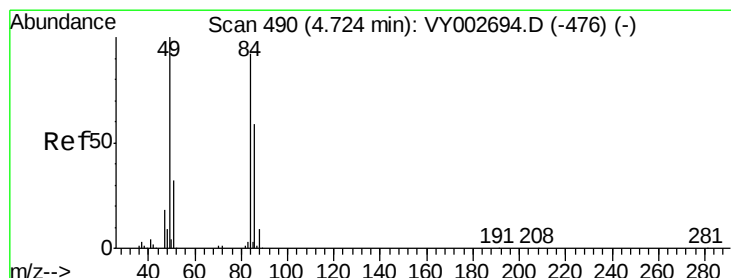
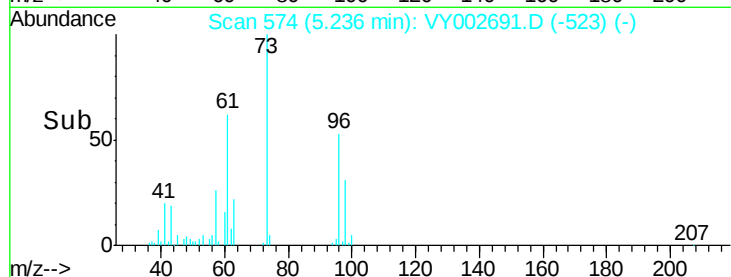
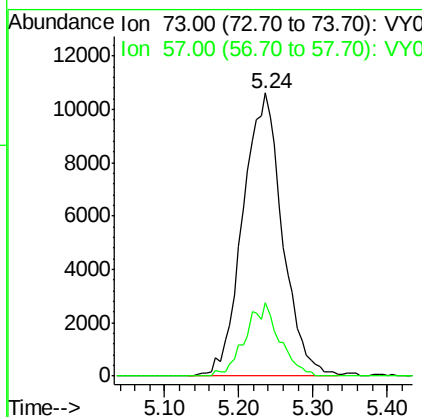
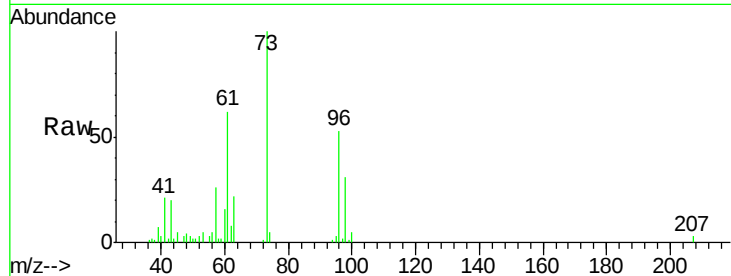
#19
Methvl tert-butvl Ether
Concen: 4.720 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 39473
Ion Ratio Lower Upper
73 100
57 25.9 17.3 25.9

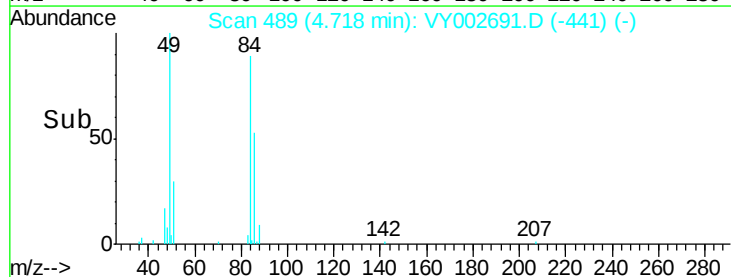
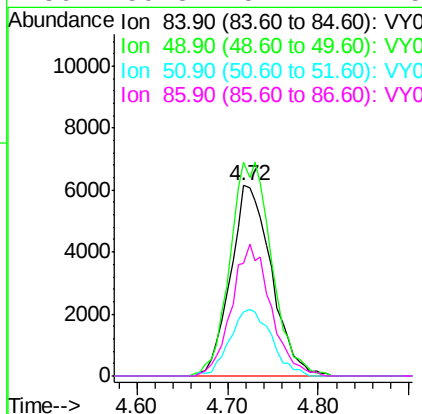
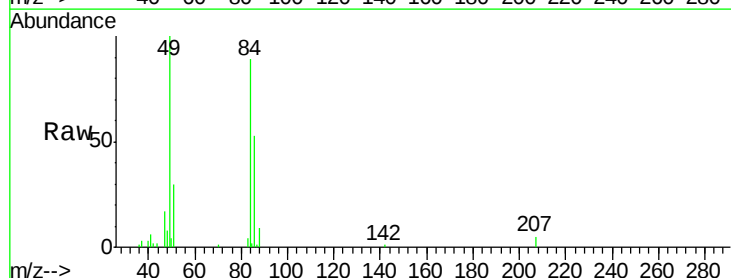
Manual Integrations
APPROVED

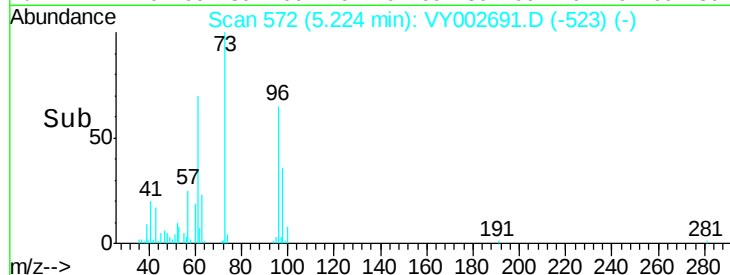
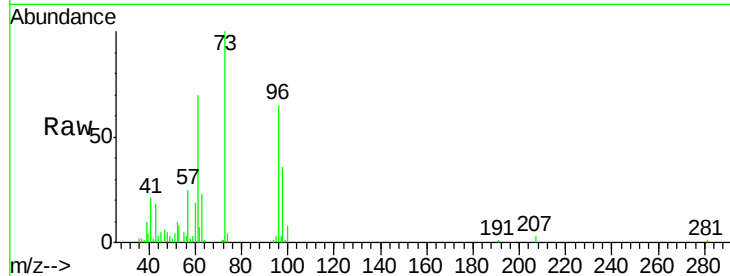
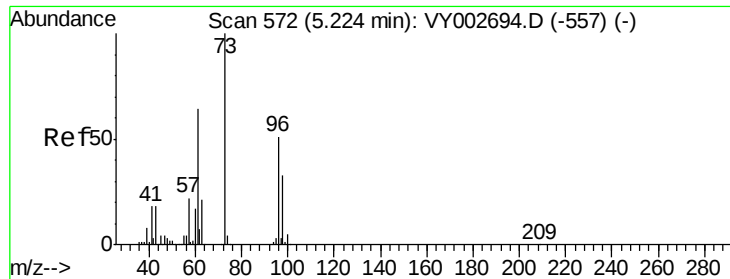
MMDadoda
5/18/2020 1:36:01 PM



#20
Methylene Chloride
Concen: 5.281 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion: 84 Resp: 19220
Ion Ratio Lower Upper
84 100
49 112.1 87.4 131.0
51 33.7 27.9 41.9
86 59.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 5.278 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tot Ion:	96	Resp:	18609
Ion Ratio	Lower	Upper	
96	100		
61	108.6	99.6	149.4
98	55.5	50.6	76.0

Instrument :

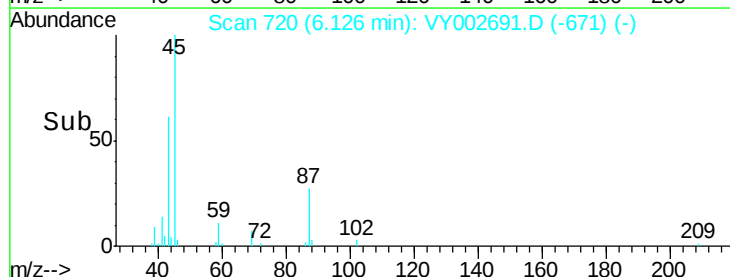
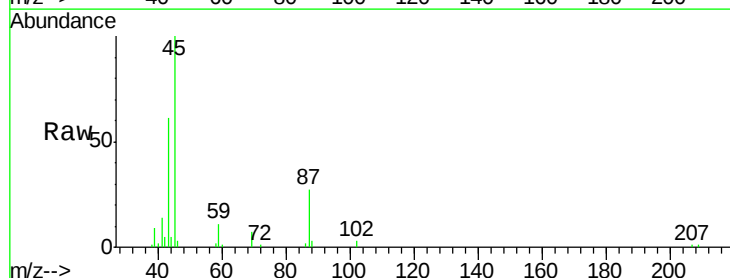
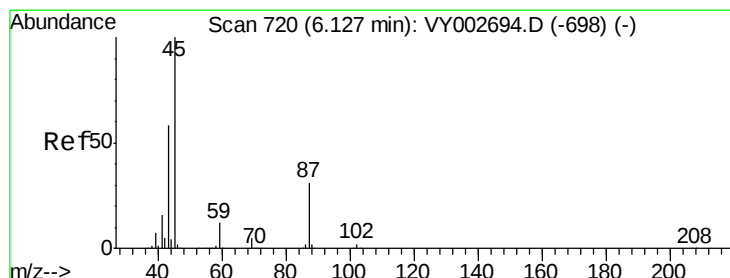
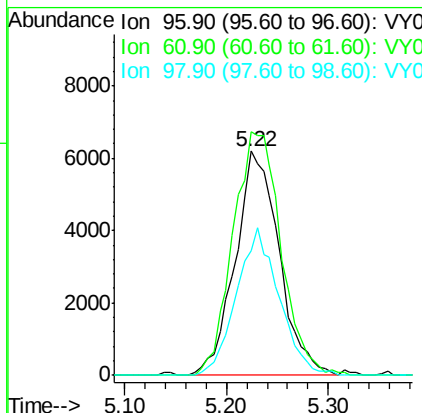
MSVOA_Y

ClientSampleId :

VSTDIC005

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#22

Diisopropyl ether

Concen: 4.854 ug/l

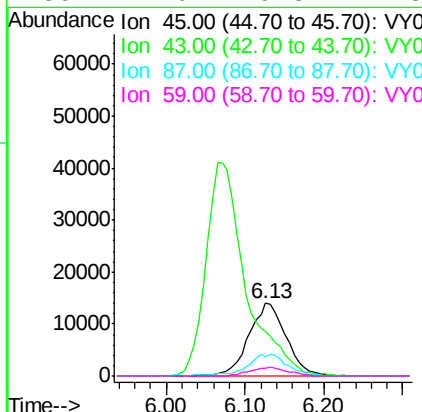
RT: 6.13 min Scan# 720

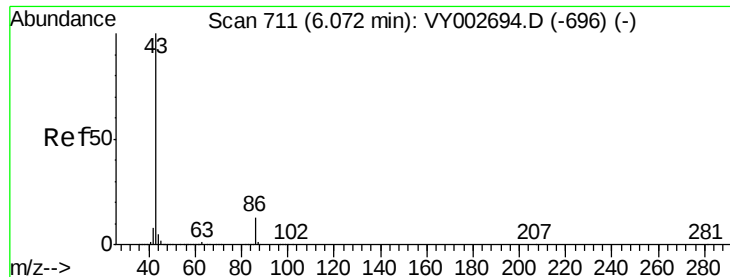
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	45	Resp:	45912
Ion Ratio	Lower	Upper	
45	100		
43	60.2	46.1	69.1
87	27.1	24.9	37.3
59	11.0	9.8	14.8





#23

Vinyl Acetate

Concen: 24.099 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 143690

Ion Ratio Lower Upper

43 100

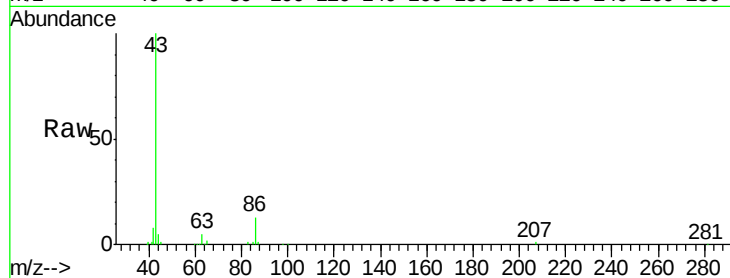
86 12.8 10.1 15.1

Manual Integrations

APPROVED

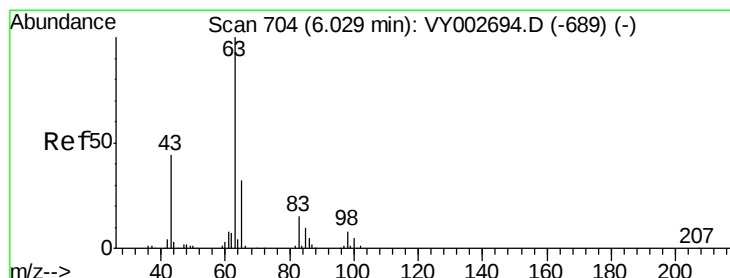
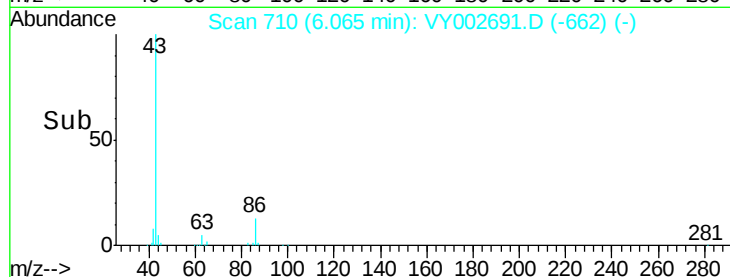
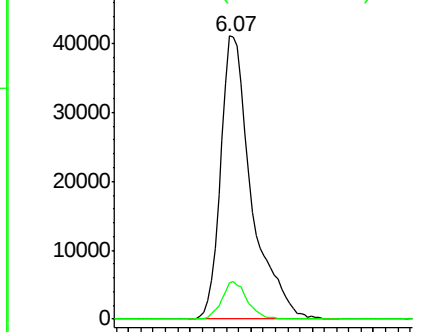
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 4.909 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

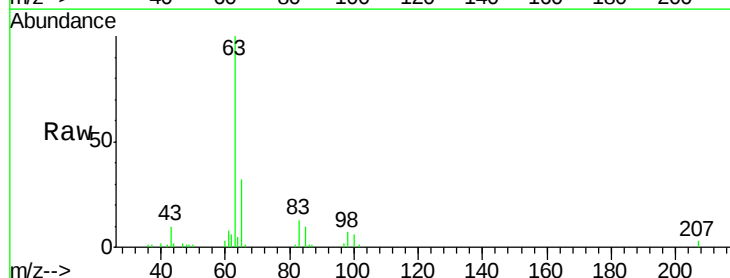
Tgt Ion: 63 Resp: 27437

Ion Ratio Lower Upper

63 100

98 6.9 4.0 11.9

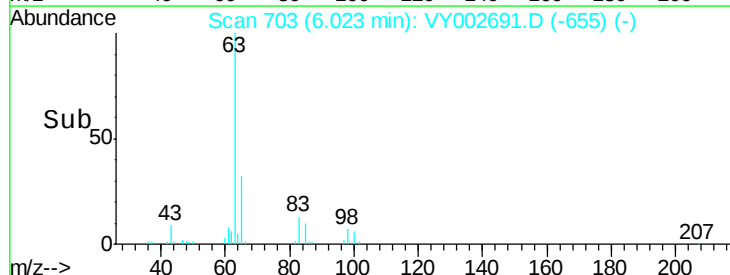
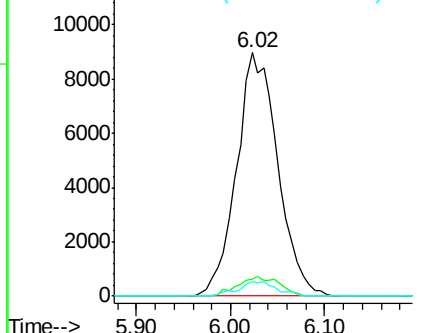
100 5.9 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 23.753 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24997

Ion Ratio Lower Upper

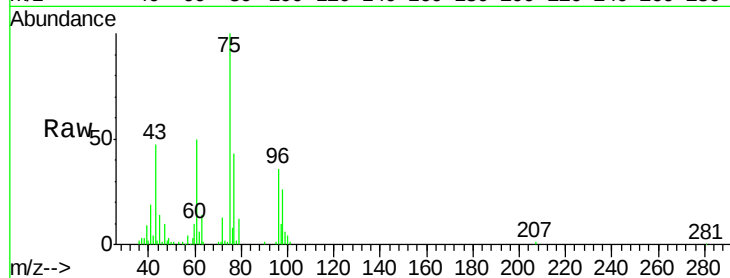
43 100

72 27.8 24.1 36.1

Manual Integrations
APPROVED

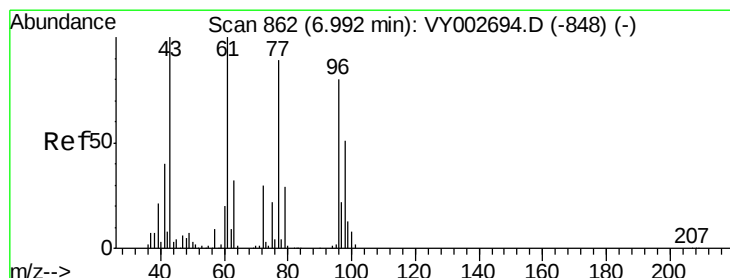
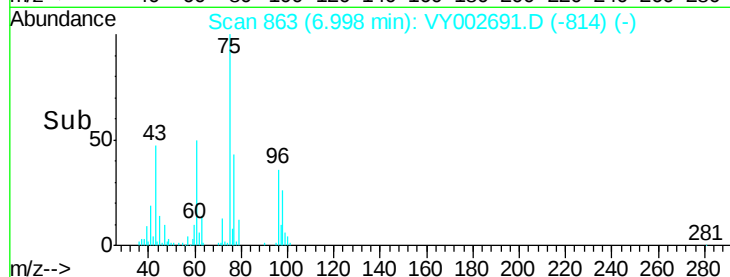
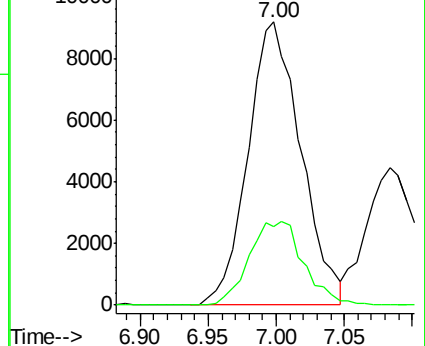
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.255 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY002691.D

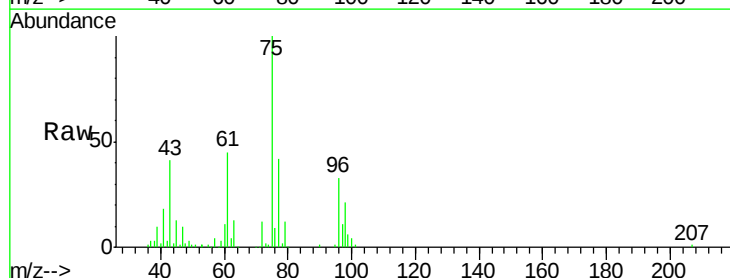
Acq: 15 May 2020 10:33

Tgt Ion: 77 Resp: 27850

Ion Ratio Lower Upper

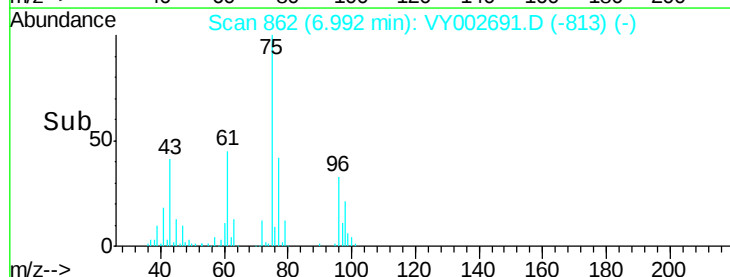
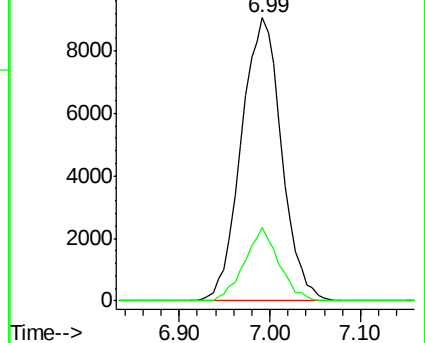
77 100

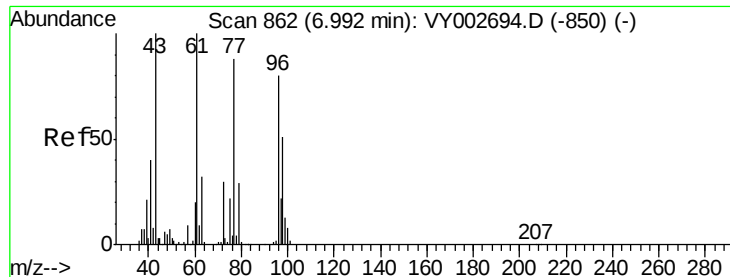
97 22.0 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

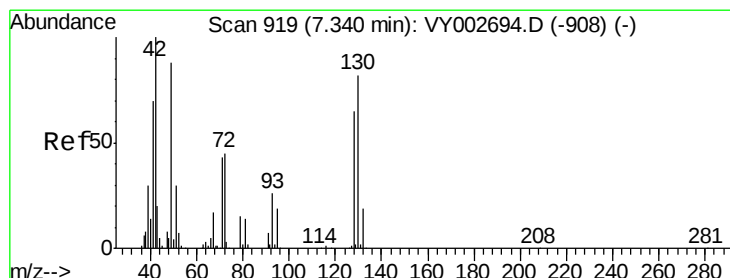
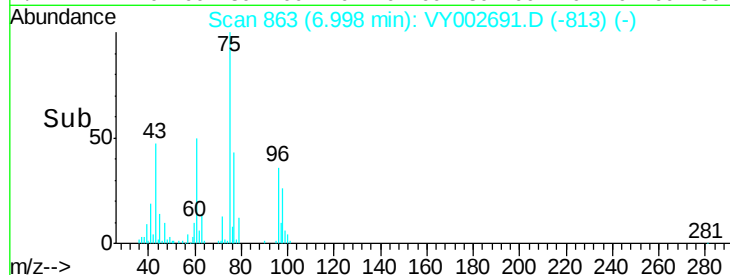
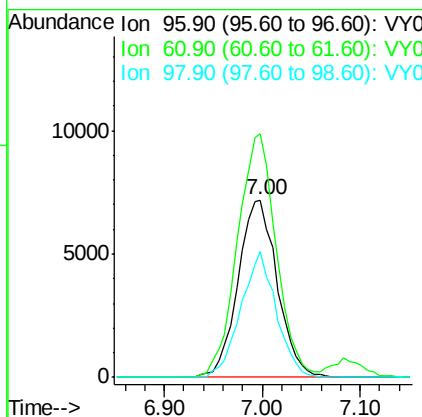
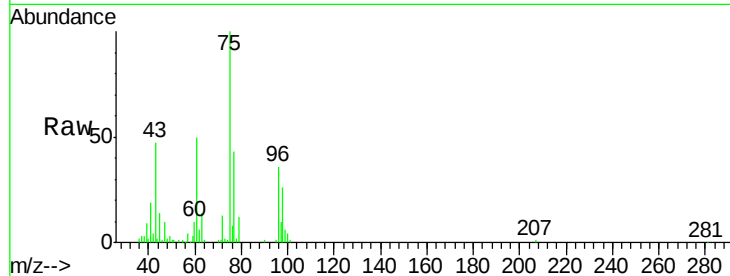
cis-1,2-Dichloroethene
Concen: 5.099 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	19914		
61	136.5		0.0	258.0
98	64.3		0.0	128.4

Manual Integrations
APPROVED

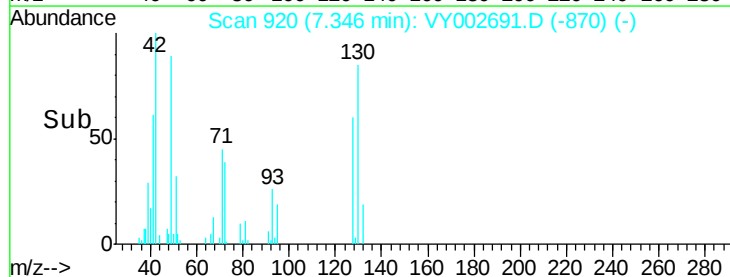
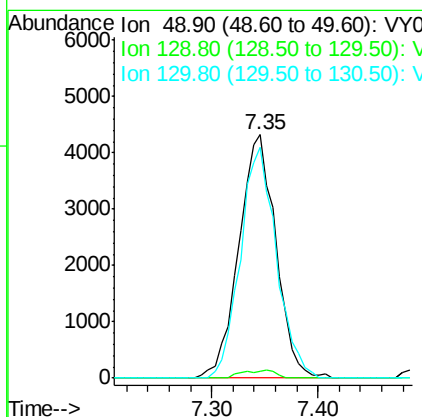
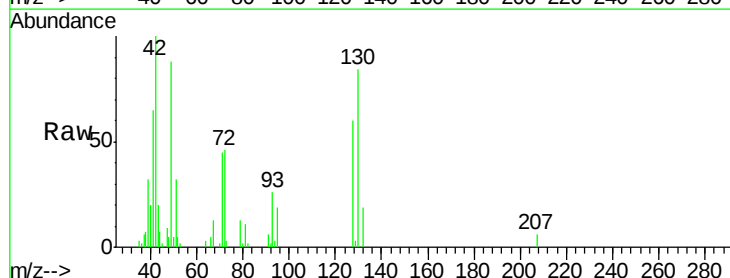
MMDadoda
5/18/2020 1:36:01 PM

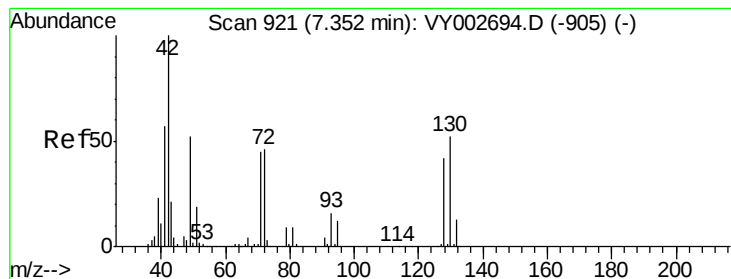


#28

Bromochloromethane
Concen: 4.620 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	10543		
129	3.0		0.0	4.6
130	92.3		75.3	112.9





#29

Tetrahydrofuran

Concen: 23.738 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

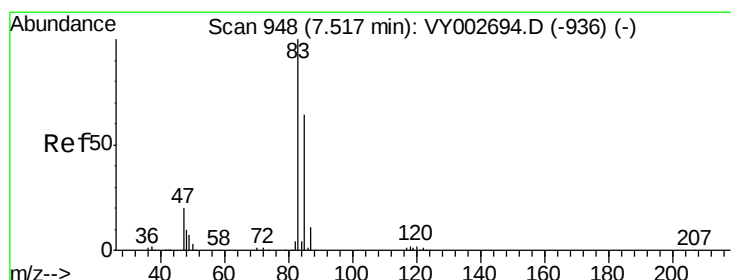
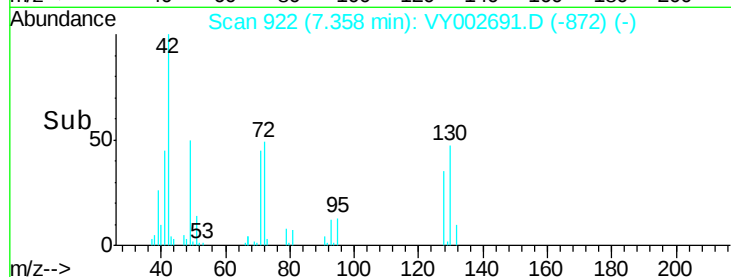
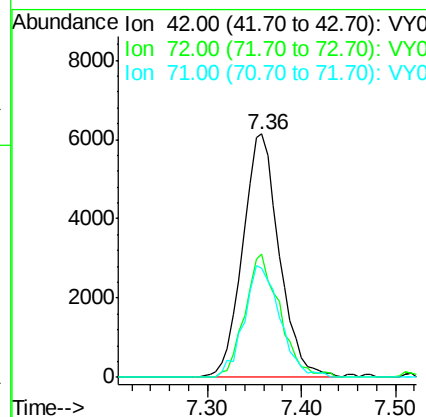
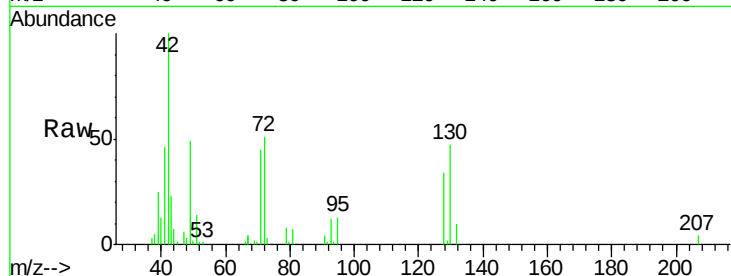
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	16607
Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.2
71	44.9	35.8	53.8

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#30

Chloroform

Concen: 4.944 ug/l

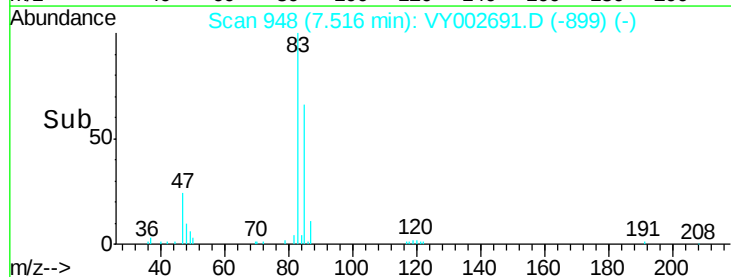
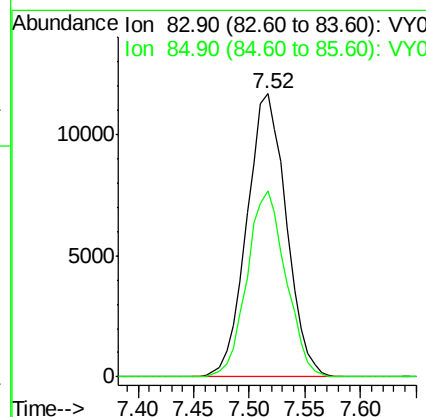
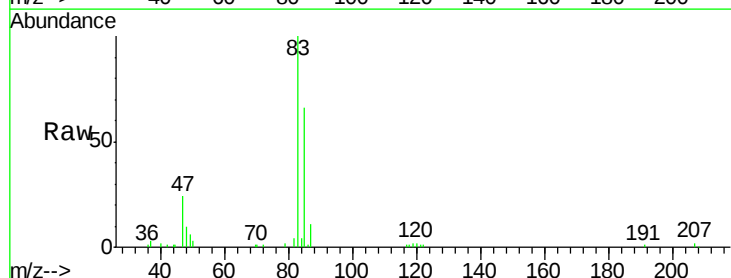
RT: 7.52 min Scan# 948

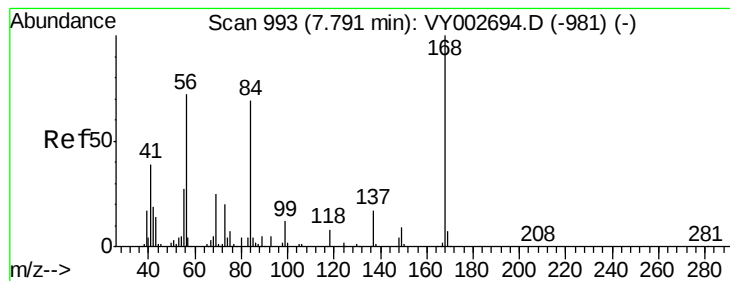
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	83	Resp:	28857
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 5.559 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

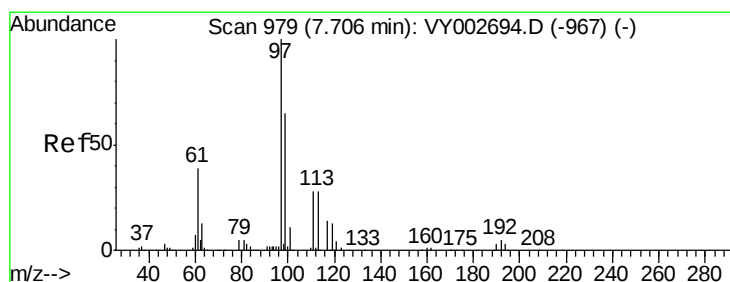
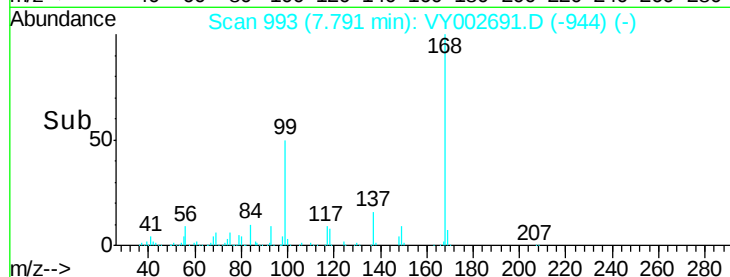
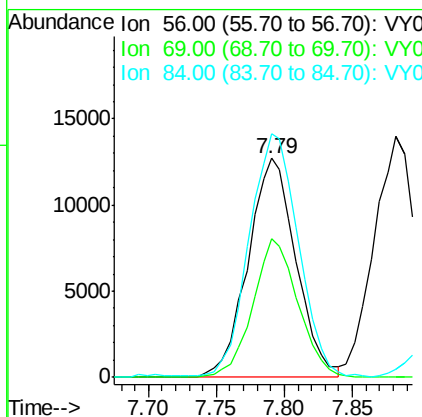
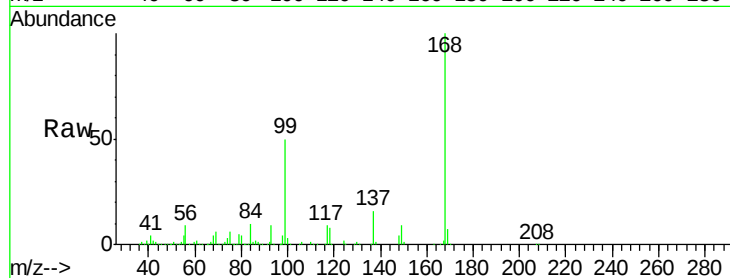
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	31333
Ion Ratio	Lower	Upper	
56	100		
69	63.4	27.7	41.5#
84	110.7	77.0	115.4

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#32

1,1,1-Trichloroethane

Concen: 4.860 ug/l

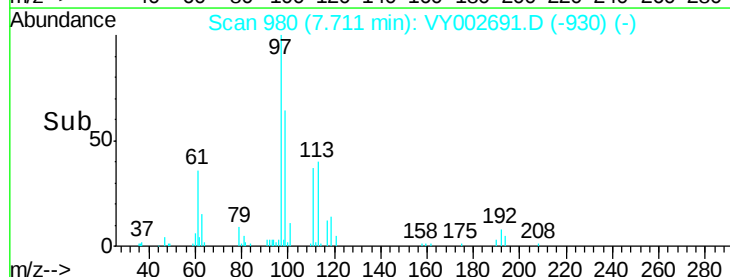
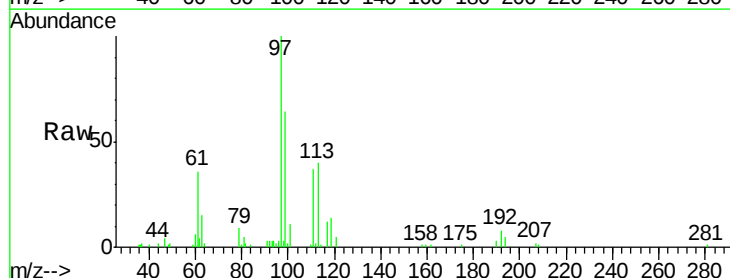
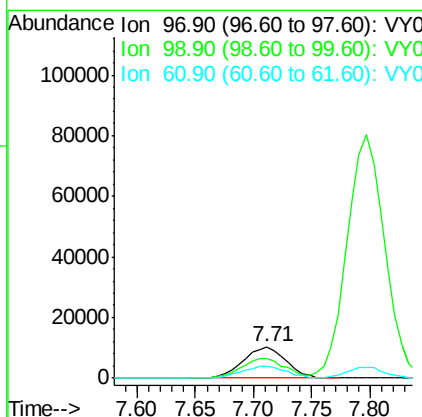
RT: 7.71 min Scan# 980

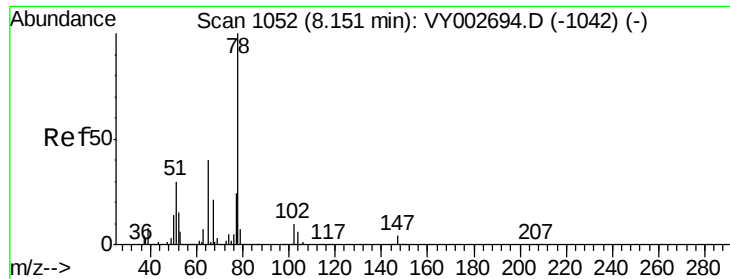
Delta R.T. 0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	97	Resp:	26269
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	39.9	30.6	45.8





#33

1,2-Dichloroethane-d4

Concen: 4.627 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 14497

Ion Ratio Lower Upper

65 100

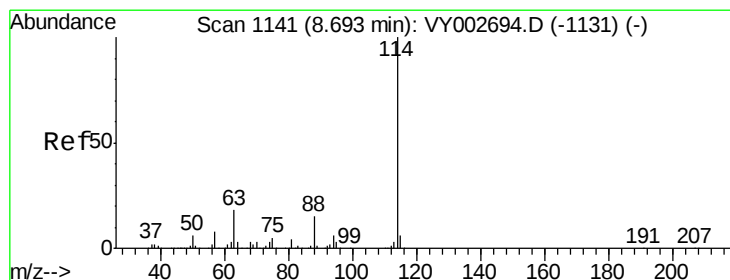
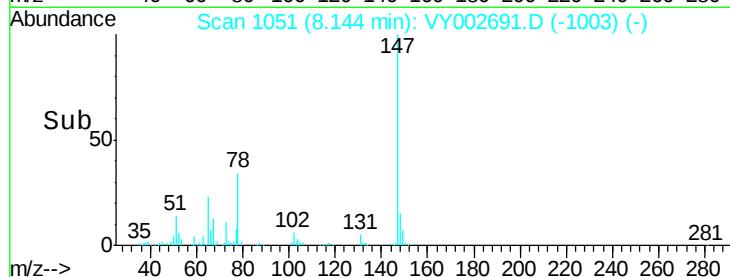
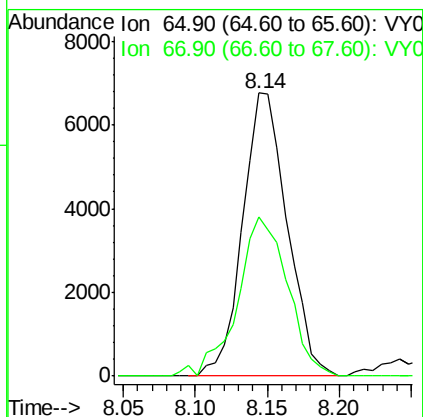
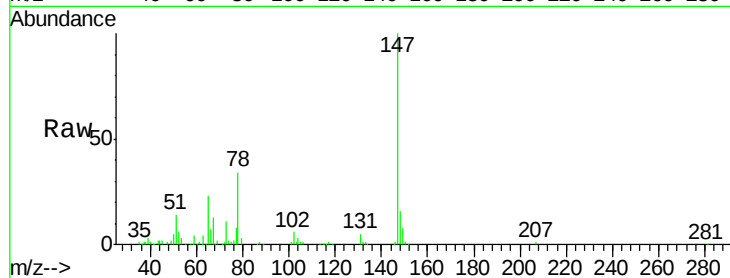
67 63.2 0.0 109.0

Manual Integrations

APPROVED

MMDadoda

5/18/2020 1:36:01 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

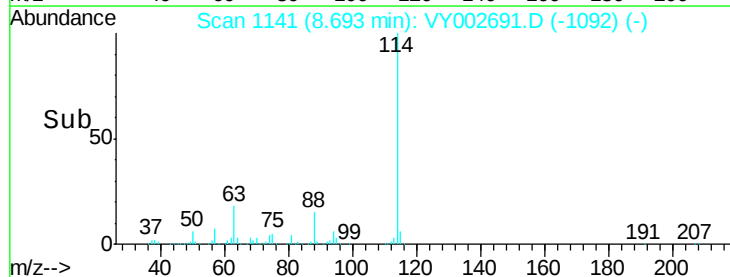
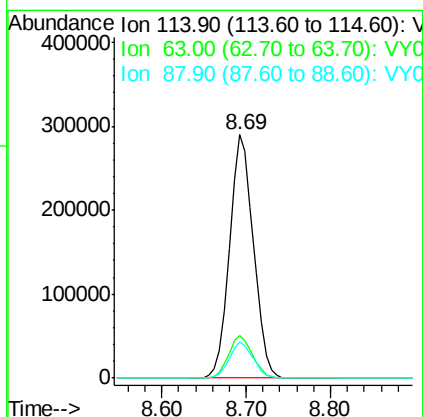
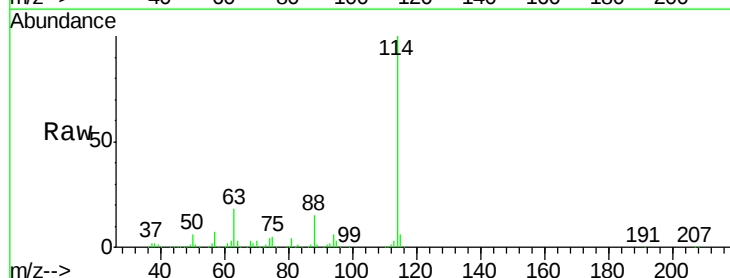
Tgt Ion: 114 Resp: 554233

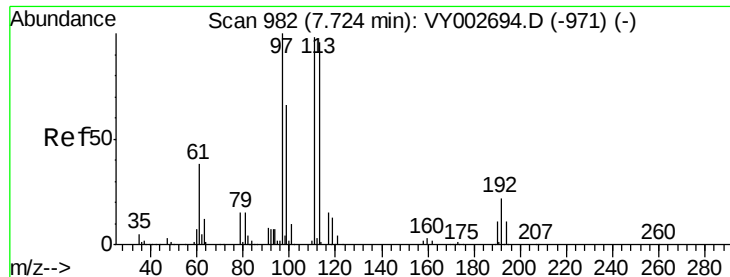
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 14.9 0.0 29.4





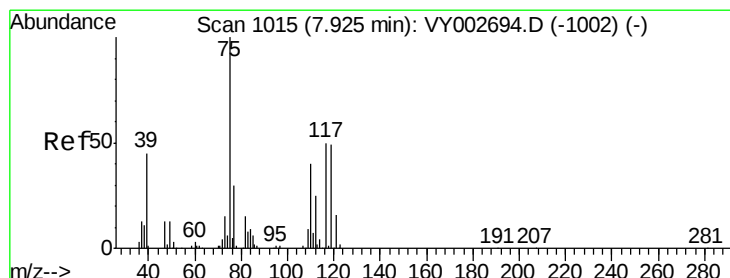
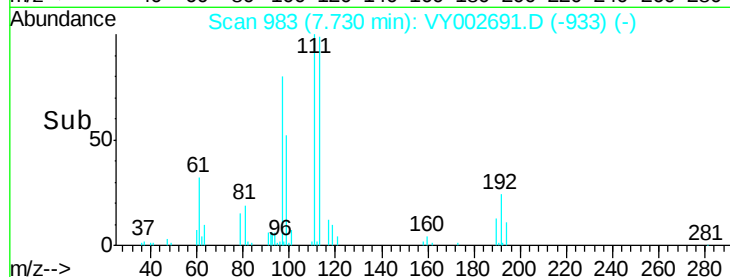
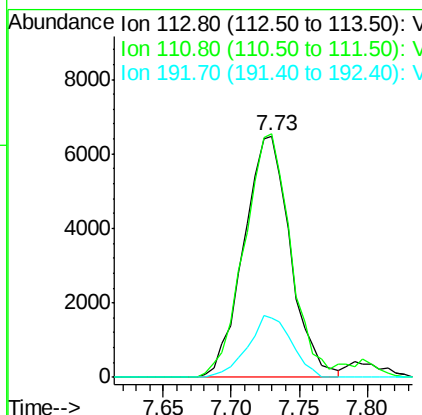
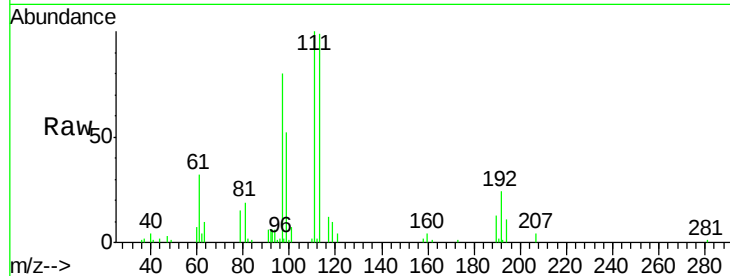
#35
Dibromofluoromethane
Concen: 4.886 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.9	122.9
192	23.9	18.6	27.8

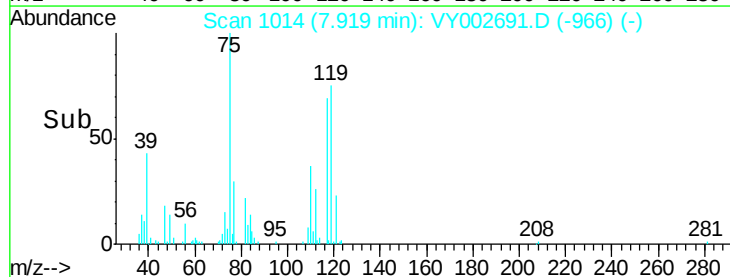
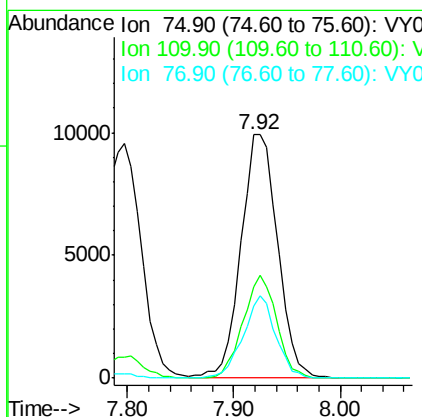
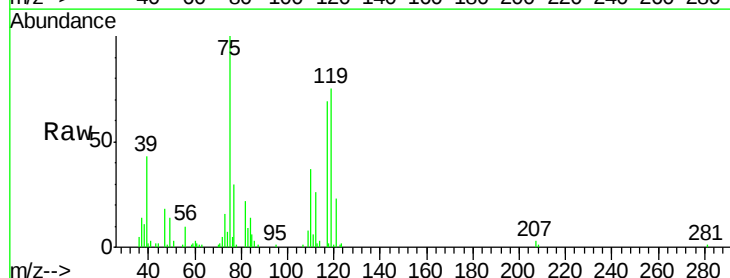
Manual Integrations
APPROVED

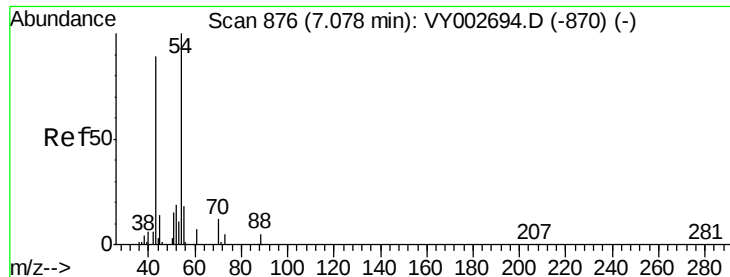
MMDadoda
5/18/2020 1:36:01 PM



#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.4	58.4
77	29.9	25.0	37.4





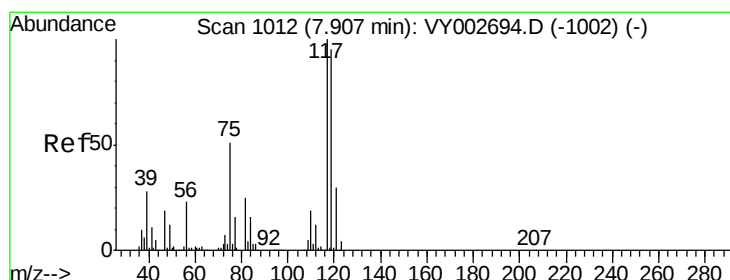
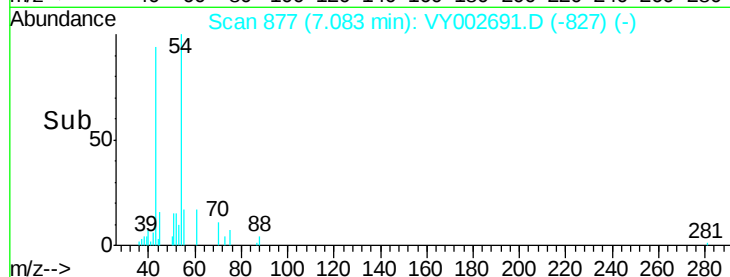
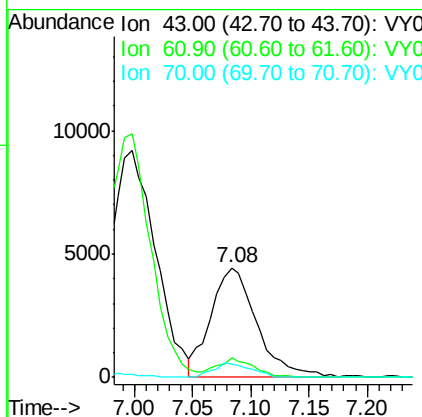
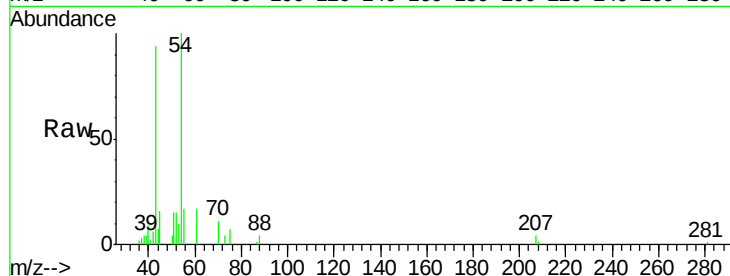
#37
Ethyl Acetate
Concen: 5.109 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	12154
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	10.5	9.2	13.8

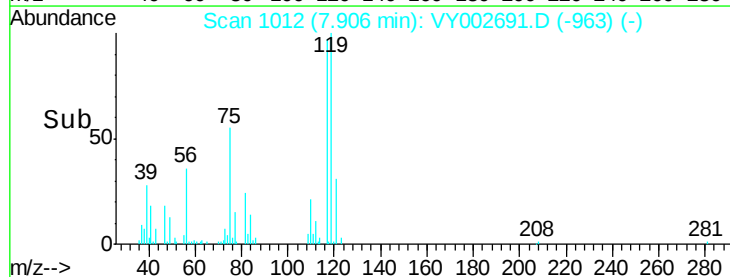
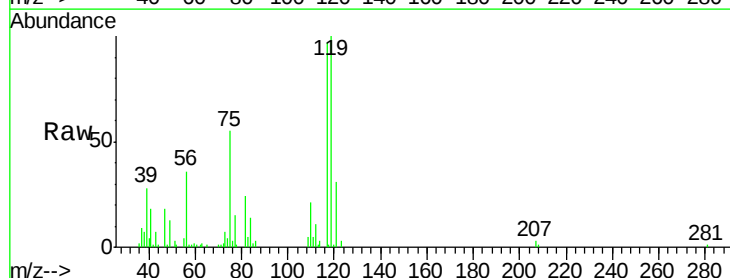
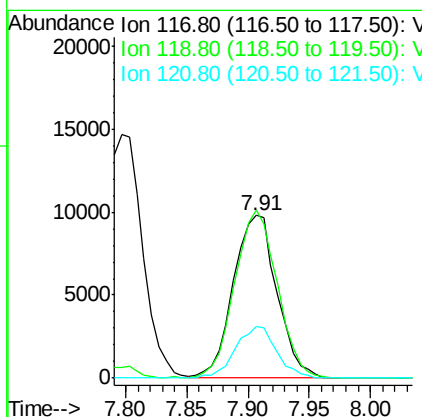
Manual Integrations
APPROVED

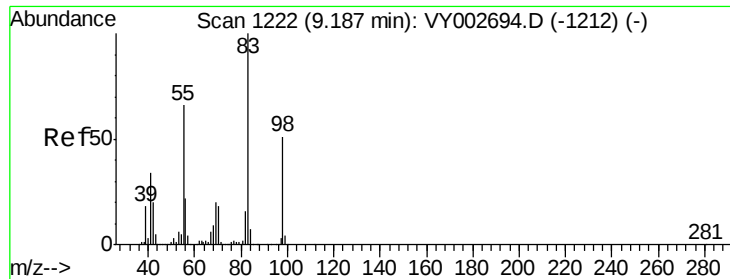
MMDadoda
5/18/2020 1:36:01 PM



#38
Carbon Tetrachloride
Concen: 4.816 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	117	Resp	24296
Ion	Ratio	Lower	Upper
117	100		
119	103.3	76.3	114.5
121	31.9	24.2	36.2





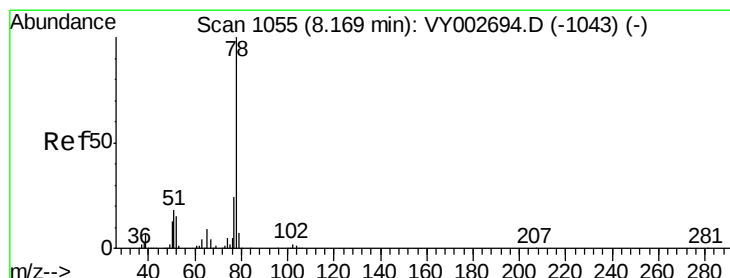
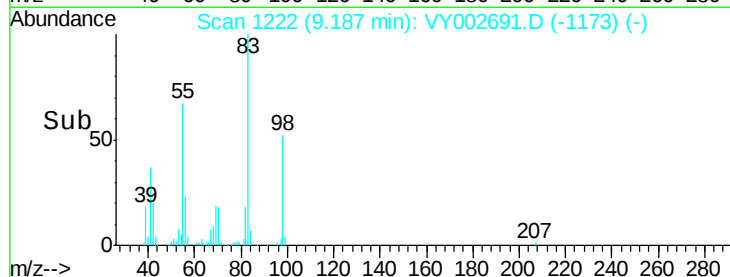
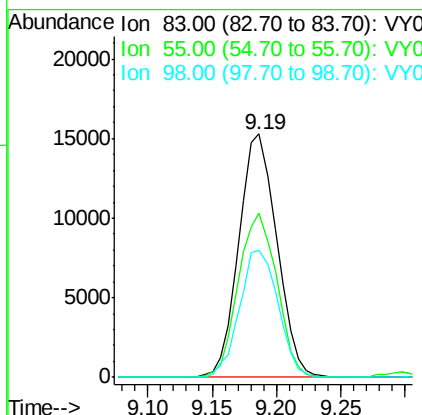
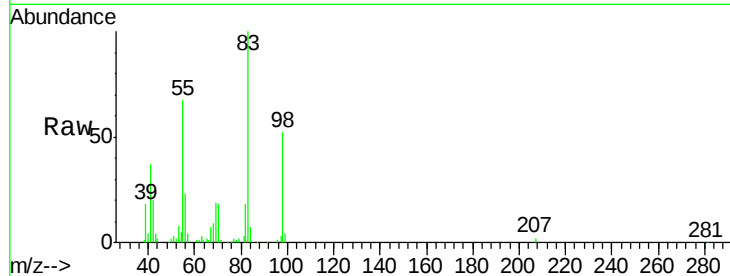
#39
Methvlcvclohexane
Concen: 5.108 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.4	53.0	79.6
98	52.4	40.8	61.2

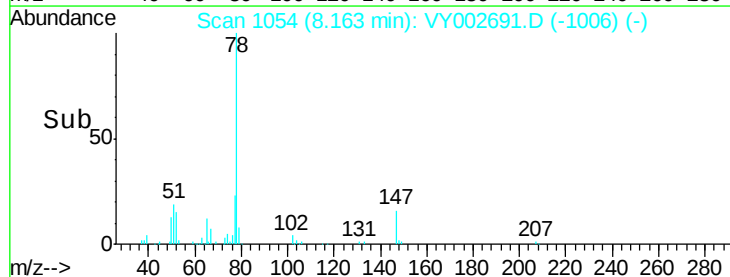
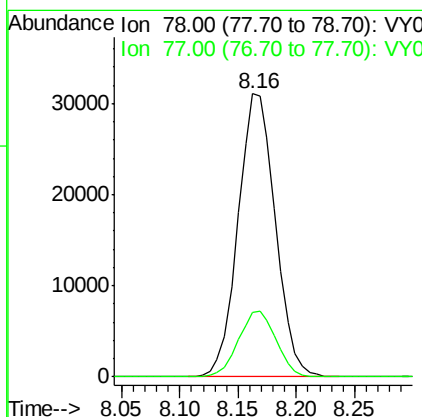
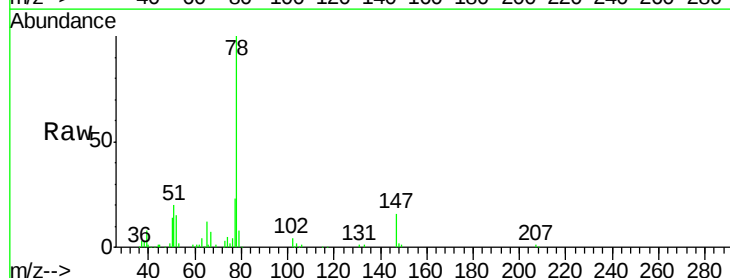
Manual Integrations
APPROVED

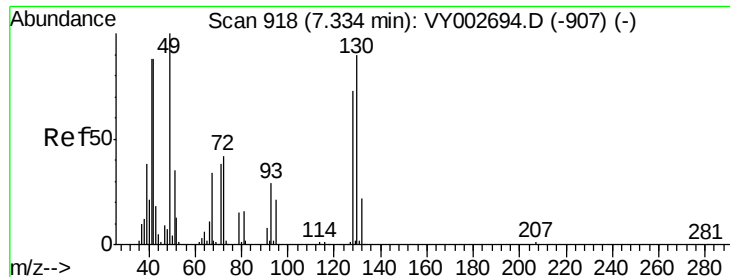
MMDadoda
5/18/2020 1:36:01 PM



#40
Benzene
Concen: 5.161 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.2	28.8





#41

Methacrylonitrile

Concen: 4.906 ug/l

RT: 7.32 min Scan# 915

Delta R.T. -0.02 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 6270

Ion Ratio Lower Upper

41 100

39 58.8 0.0 0.0#

67 81.0 0.0 0.0#

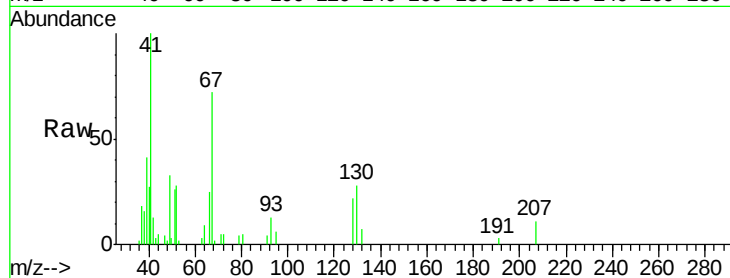
52 29.3 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

5/18/2020 1:36:01 PM



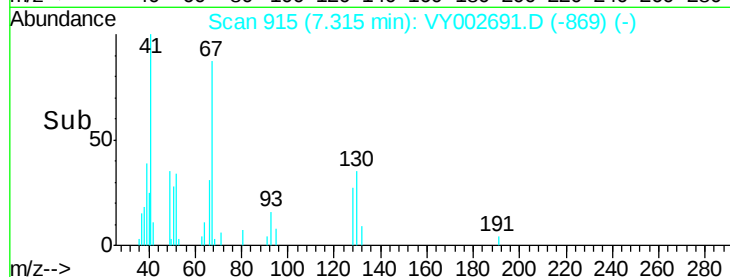
Abundance Ion 41.00 (40.70 to 41.70): VY002691.D (-907) (-)

Ion 39.00 (38.70 to 39.70): VY002691.D (-907) (-)

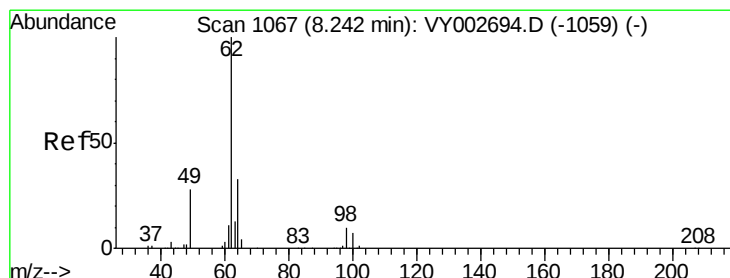
Ion 67.00 (66.70 to 67.70): VY002691.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VY002691.D (-907) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 4.782 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY002691.D

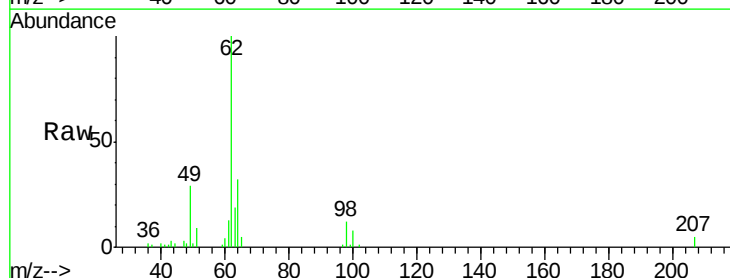
Acq: 15 May 2020 10:33

Tgt Ion: 62 Resp: 17774

Ion Ratio Lower Upper

62 100

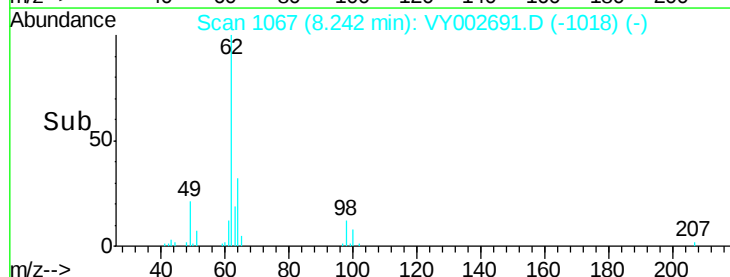
98 11.5 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VY002691.D (-1059) (-)

Ion 97.90 (97.60 to 98.60): VY002691.D (-1059) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

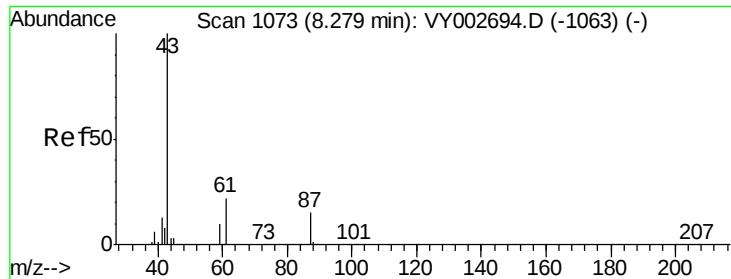
Time-->

Time-->

Time-->

Time-->

Time-->



#43

Isopropyl Acetate

Concen: 4.571 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

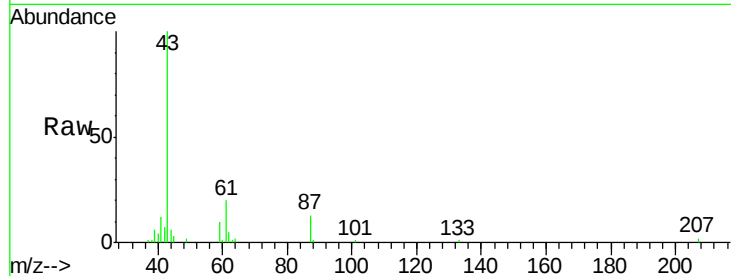
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20334
Ion	Ratio	Lower	Upper
43	100		
61	33.2	24.9	37.3
87	15.9	12.6	19.0

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VY002691.D (-1063) (-)

Ion 61.00 (60.70 to 61.70): VY002691.D (-1063) (-)

Ion 87.00 (86.70 to 87.70): VY002691.D (-1063) (-)

Time-->

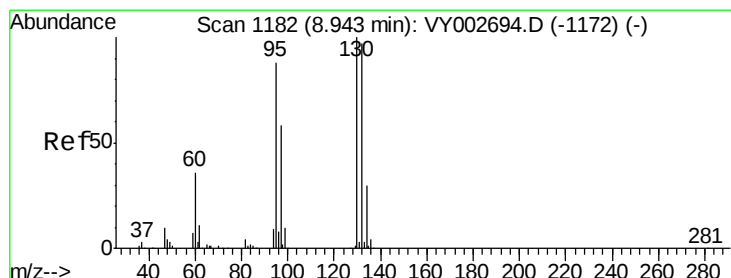
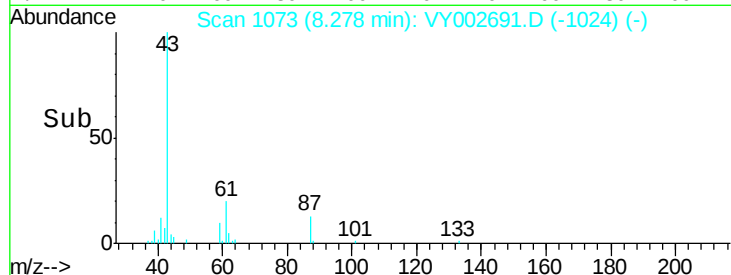
8.28

10000

5000

0

8.20 8.30 8.40



#44

Trichloroethene

Concen: 5.236 ug/l

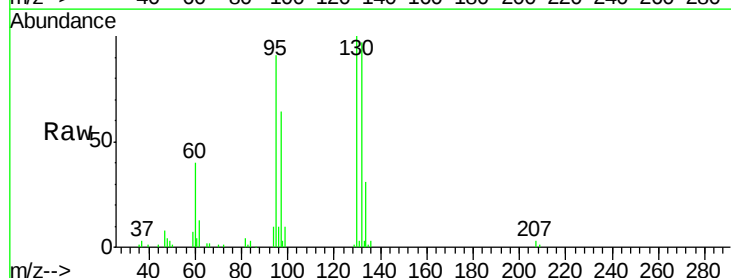
RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	130	Resp:	22056
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	176.4



Abundance Ion 129.80 (129.50 to 130.50): VY002691.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY002691.D (-1133) (-)

Time-->

8.94

12000

10000

8000

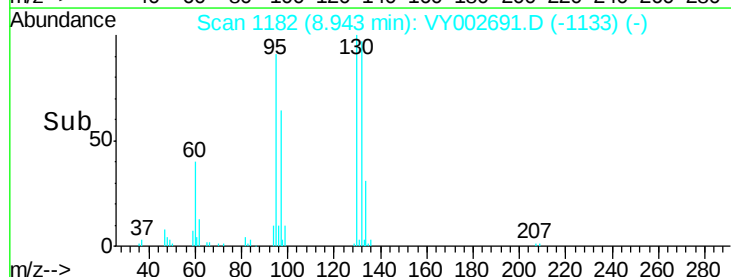
6000

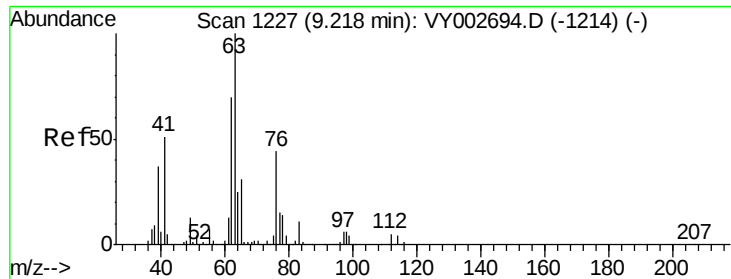
4000

2000

0

8.85 8.90 8.95 9.00





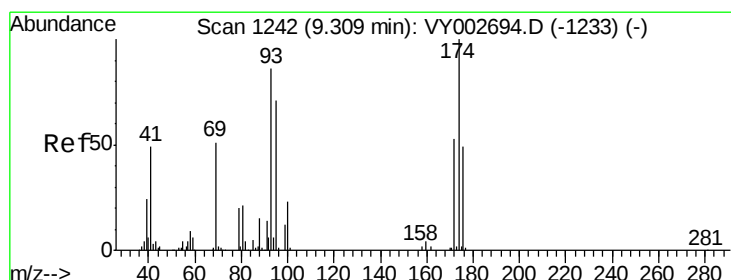
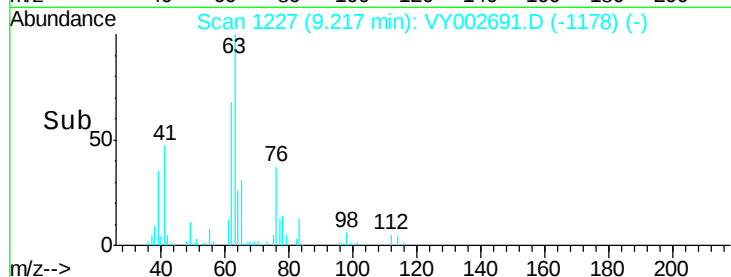
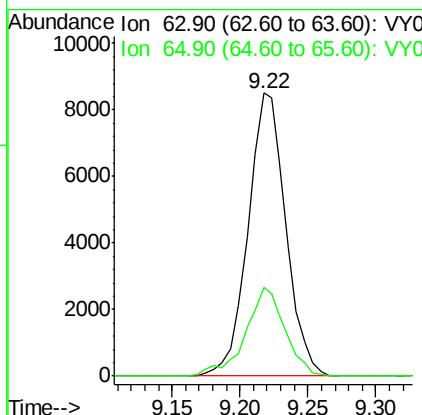
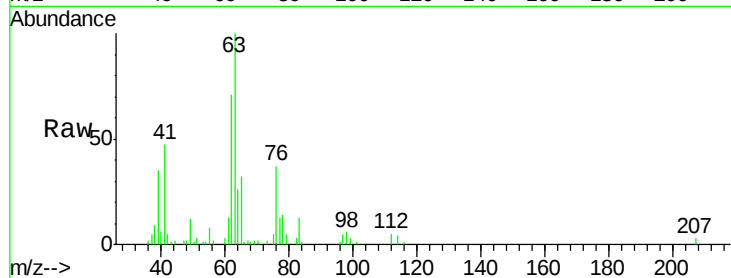
#45
 1,2-Dichloropropane
 Concen: 5.125 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.7	37.1

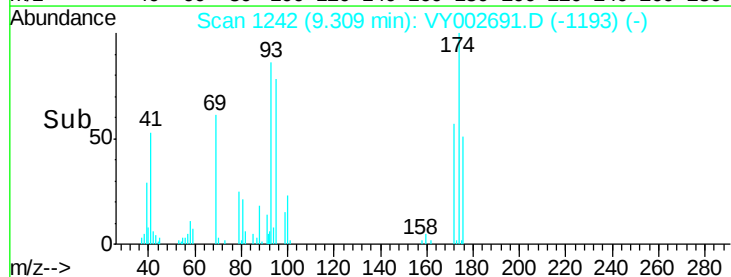
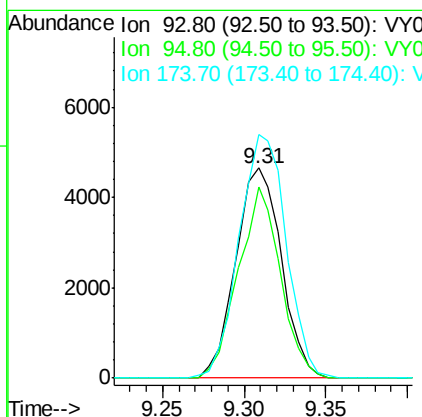
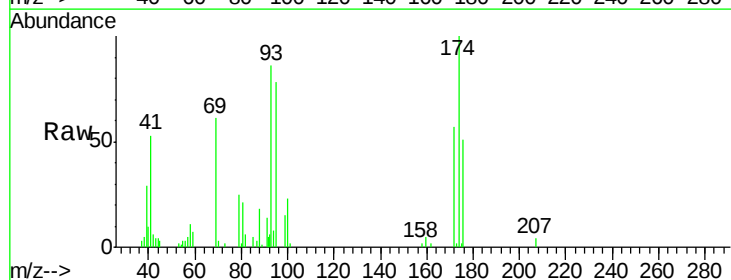
Manual Integrations
 APPROVED

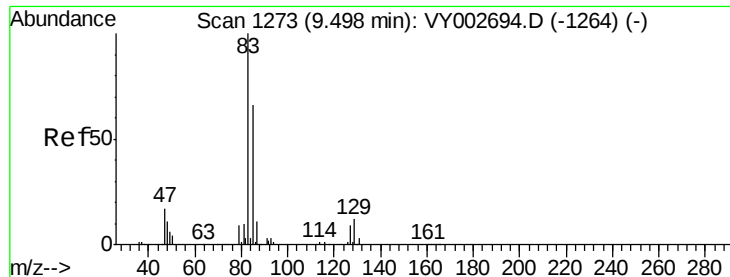
MMDadoda
 5/18/2020 1:36:01 PM



#46
 Dibromomethane
 Concen: 4.884 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.5	99.7
174	119.3	95.6	143.4





#47

Bromodichloromethane

Concen: 4.767 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

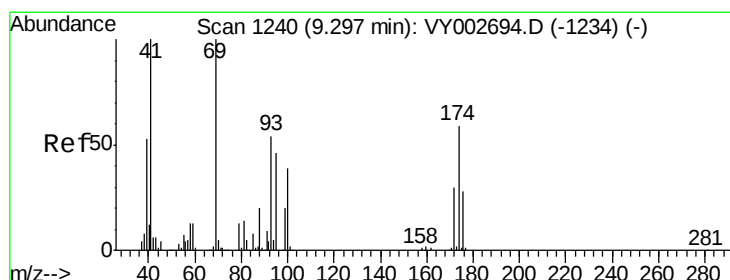
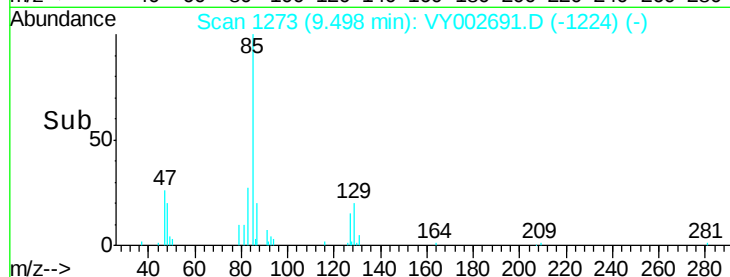
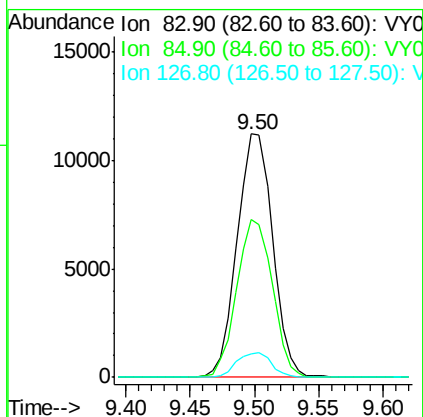
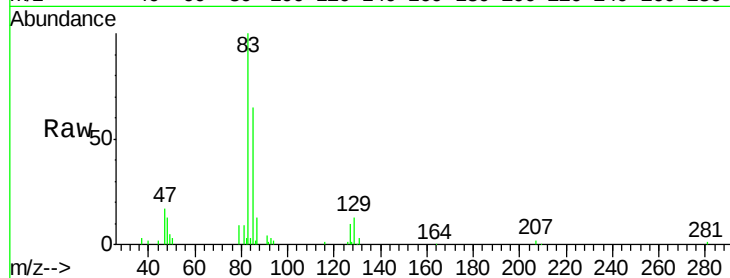
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21513
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.4	78.6
127	9.8	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#48

Methyl methacrylate

Concen: 4.804 ug/l

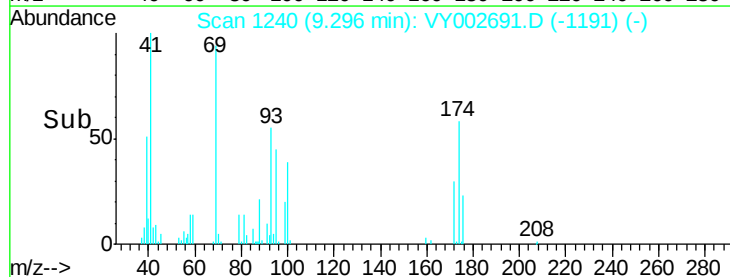
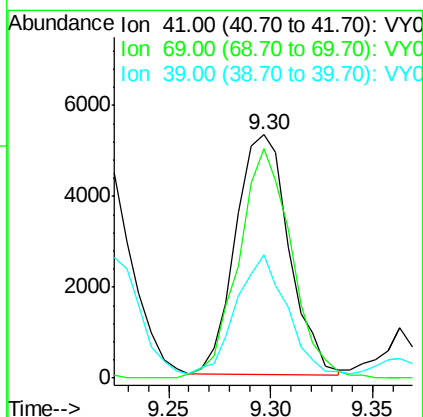
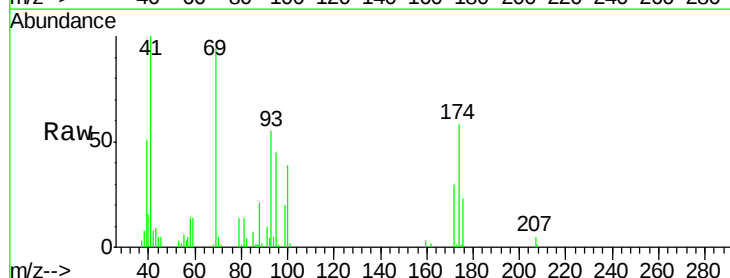
RT: 9.30 min Scan# 1240

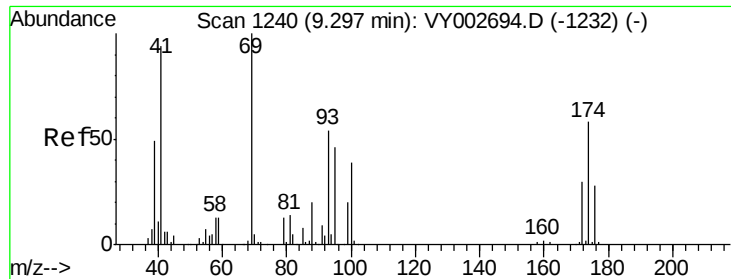
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	41	Resp:	9660
Ion	Ratio	Lower	Upper
41	100		
69	94.4	78.7	118.1
39	47.4	42.9	64.3





#49

1,4-Dioxane

Concen: 96.164 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

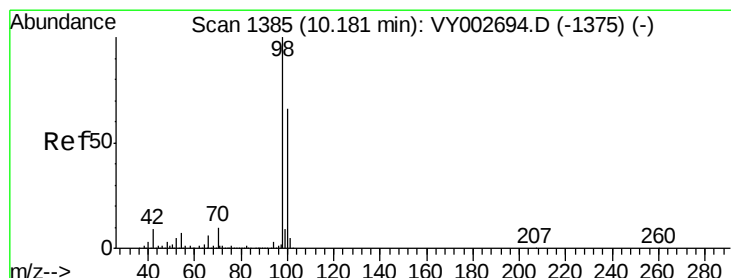
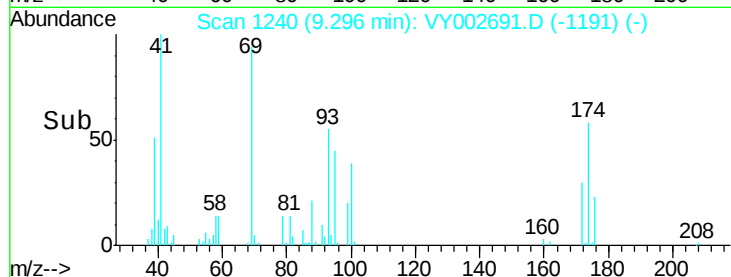
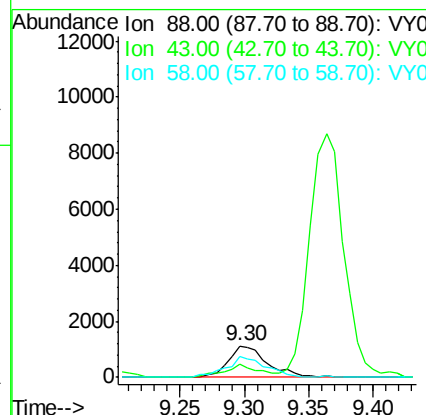
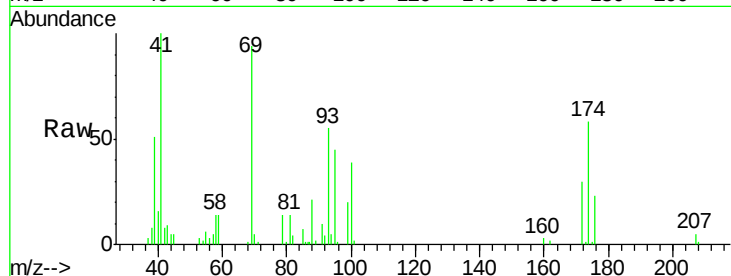
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	2356
Ion	Ratio	Lower	Upper
88	100		
43	35.0	23.4	35.0
58	66.0	54.5	81.7

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#50

Toluene-d8

Concen: 5.124 ug/l

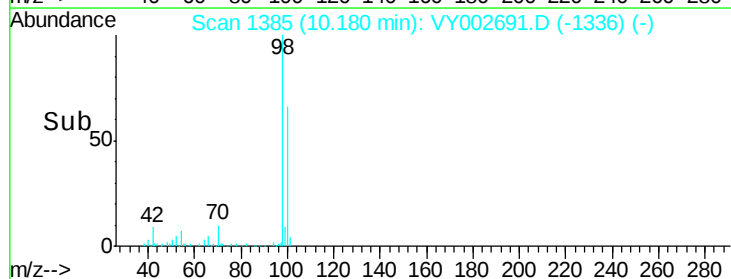
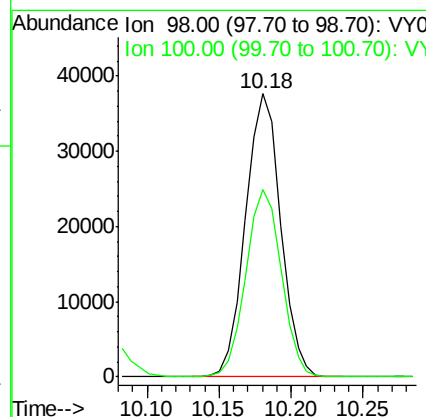
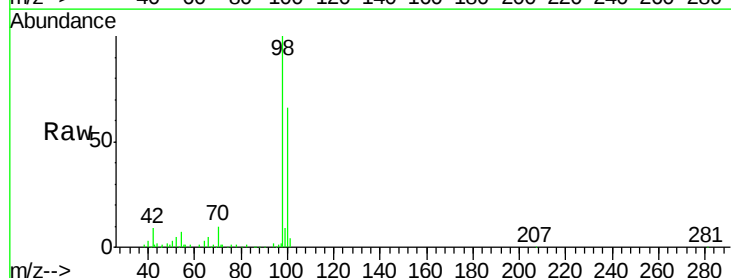
RT: 10.18 min Scan# 1385

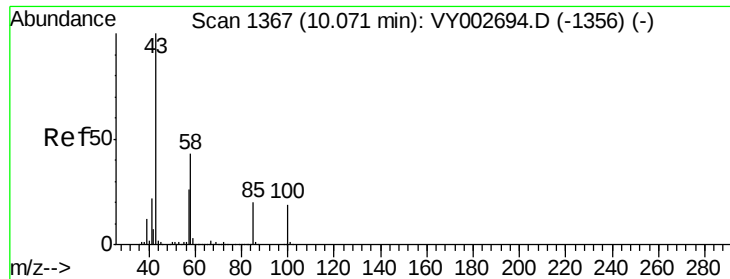
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	98	Resp:	63615
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 23.543 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 53795

Ion Ratio Lower Upper

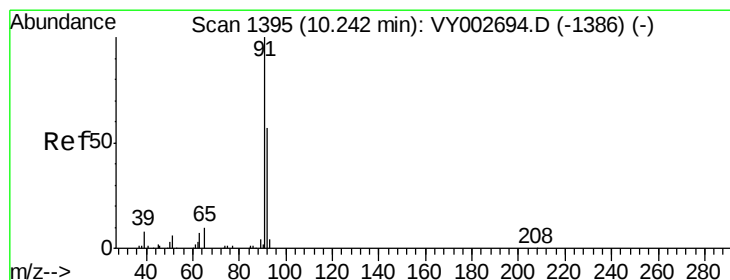
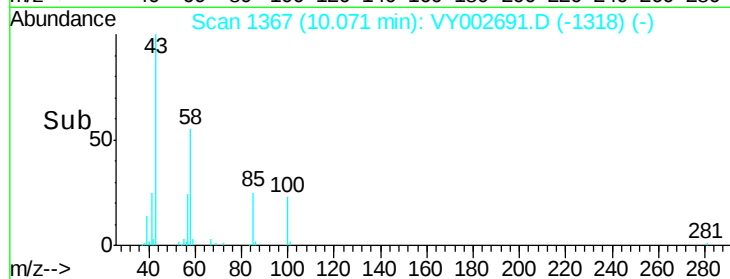
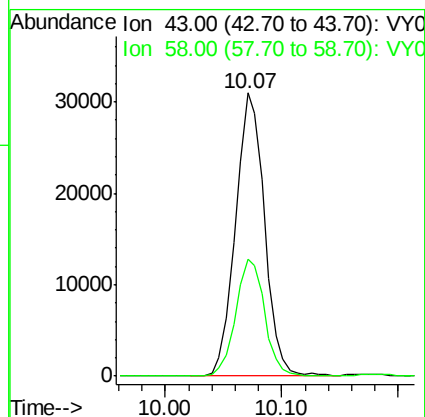
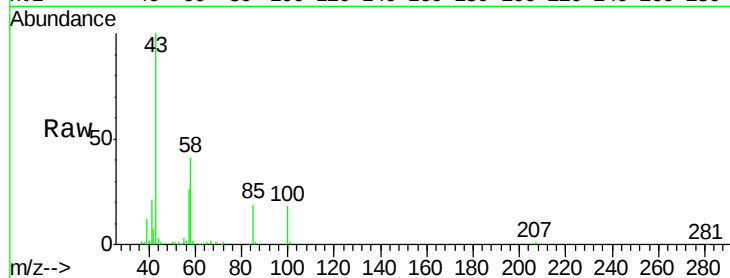
43 100

58 41.1 34.1 51.1

Manual Integrations
APPROVED

MMDadoda

5/18/2020 1:36:01 PM



#52

Toluene

Concen: 5.147 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002691.D

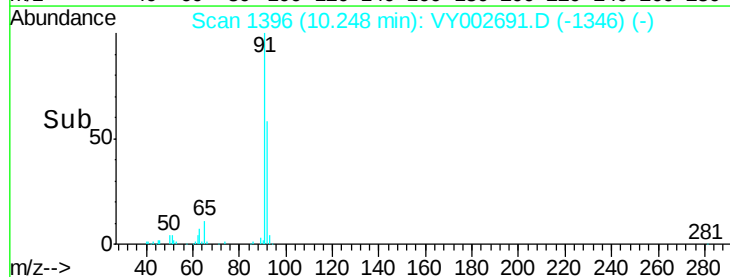
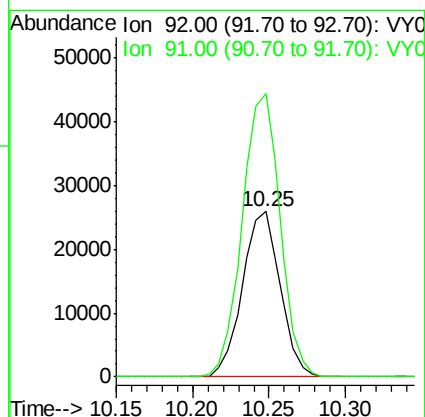
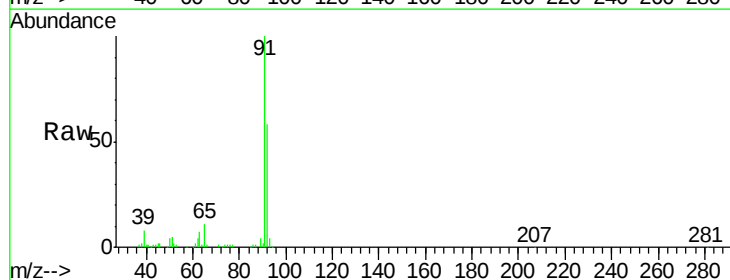
Acq: 15 May 2020 10:33

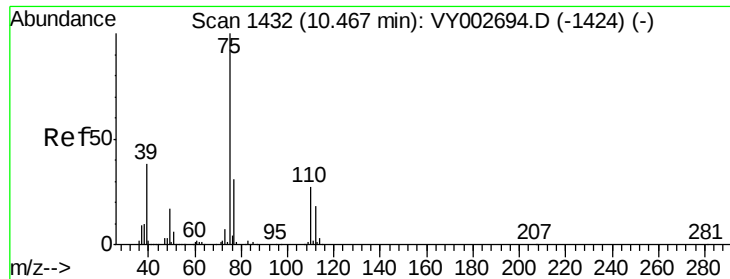
Tgt Ion: 92 Resp: 44377

Ion Ratio Lower Upper

92 100

91 172.4 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 4.856 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 22950

Ion Ratio Lower Upper

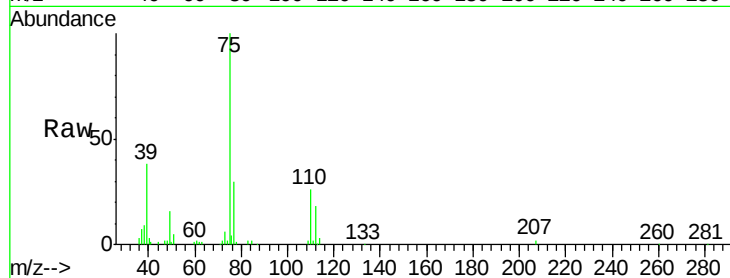
75 100

77 30.2 25.1 37.7

Manual Integrations
APPROVED

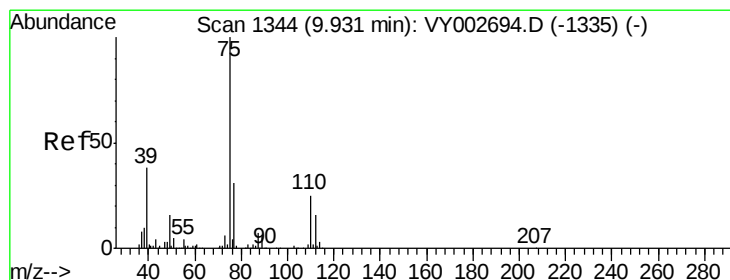
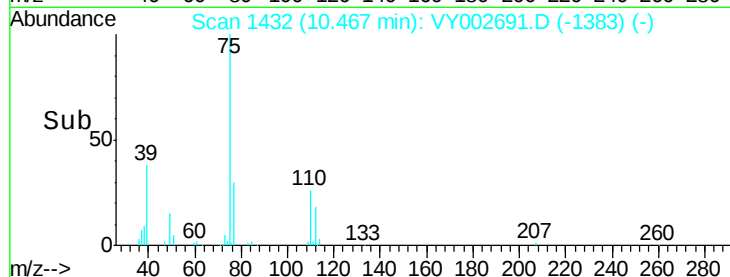
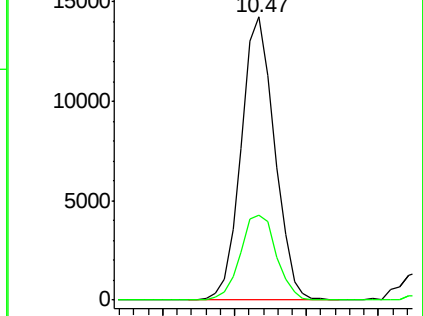
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 4.795 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

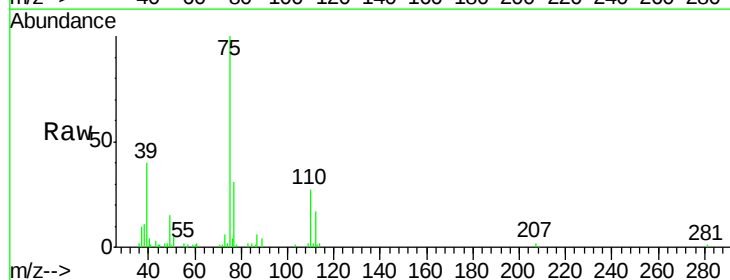
Tgt Ion: 75 Resp: 26281

Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

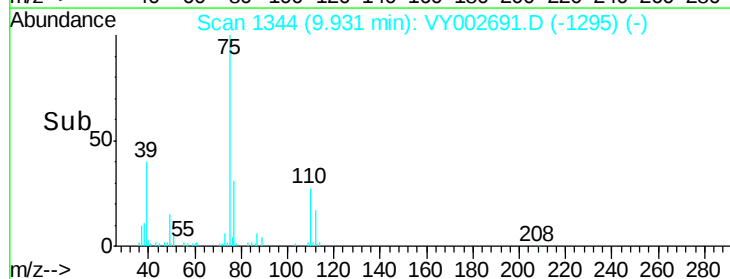
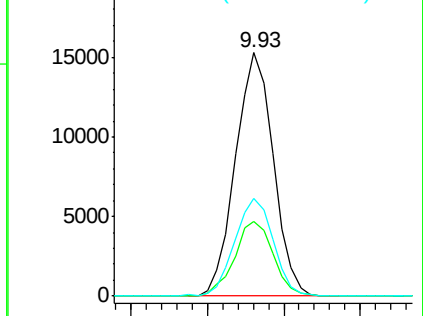
39 40.1 30.7 46.1

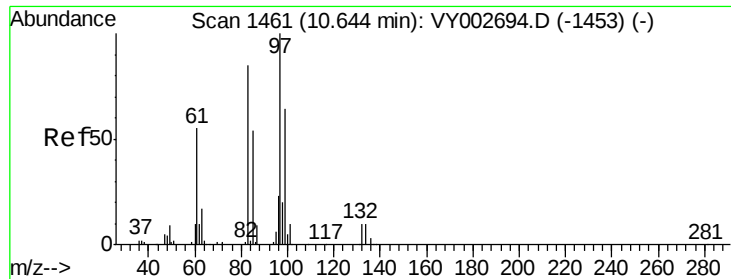


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





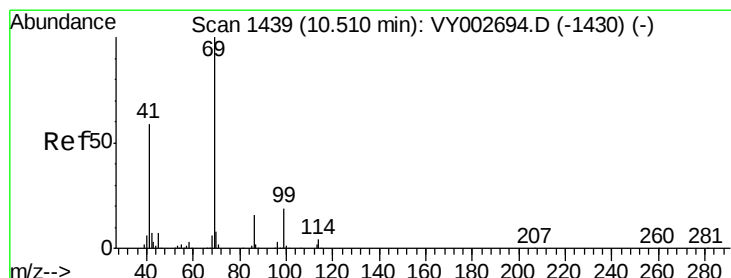
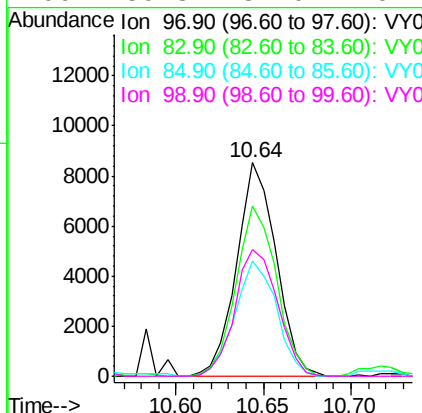
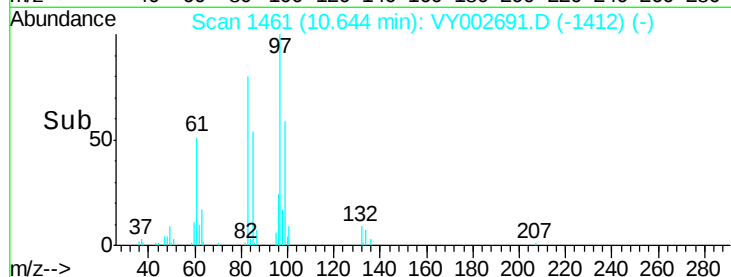
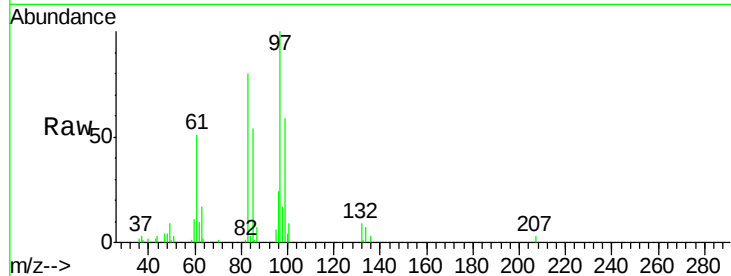
#55
 1,1,2-Trichloroethane
 Concen: 4.957 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	13408
Ion	Ratio	Lower	Upper
97	100		
83	79.6	68.1	102.1
85	53.9	43.1	64.7
99	59.3	51.0	76.4

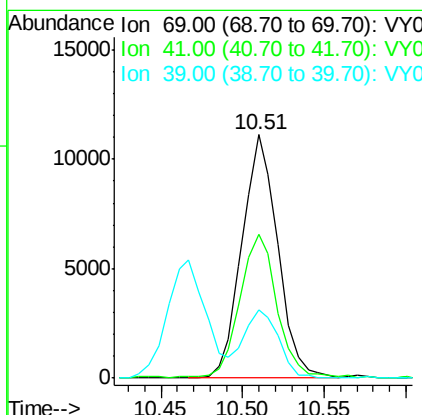
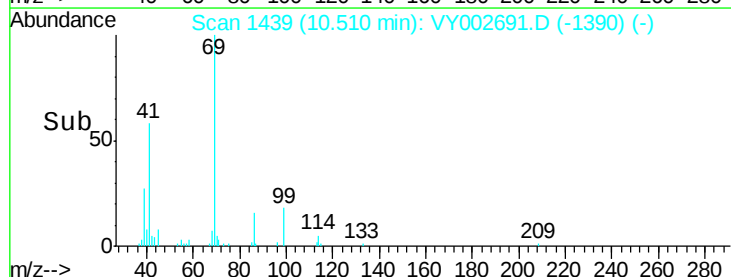
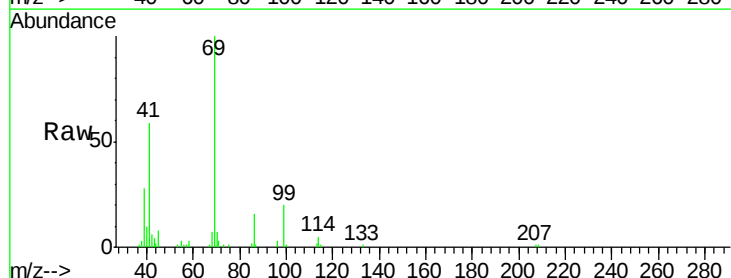
Manual Integrations
 APPROVED

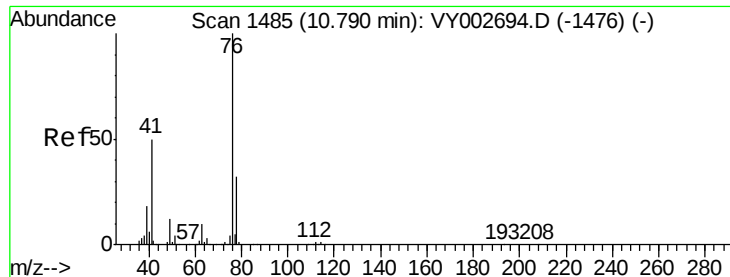
MMDadoda
 5/18/2020 1:36:01 PM



#56
 Ethyl methacrylate
 Concen: 4.718 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Tgt Ion:	69	Resp:	17008
Ion	Ratio	Lower	Upper
69	100		
41	62.3	48.0	72.0
39	27.1	22.1	33.1





#57

1,3-Dichloropropane

Concen: 4.949 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22687

Ion Ratio Lower Upper

76 100

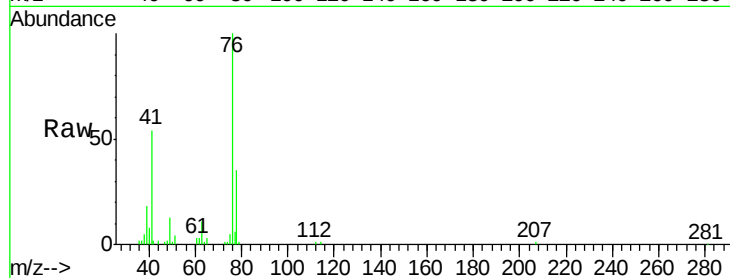
78 31.8 26.2 39.4

Manual Integrations

APPROVED

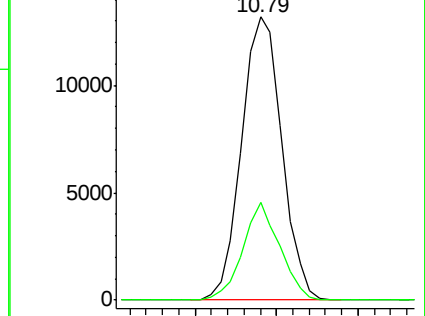
MMDadoda

5/18/2020 1:36:01 PM

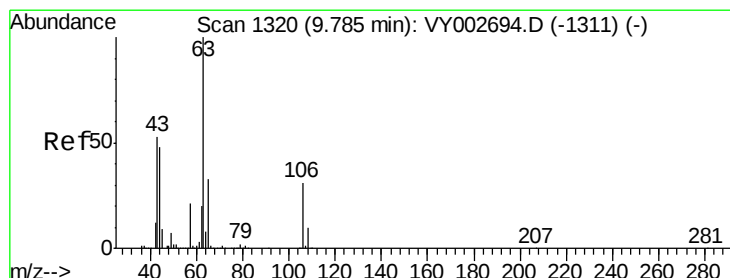
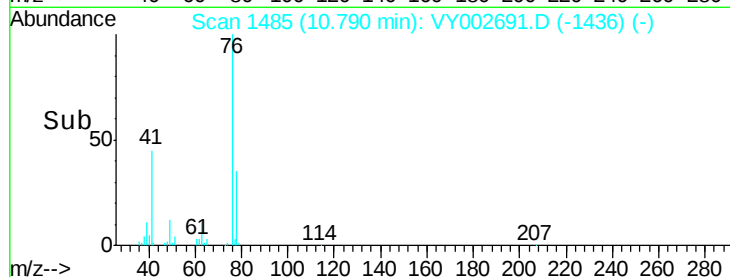


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 23.636 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002691.D

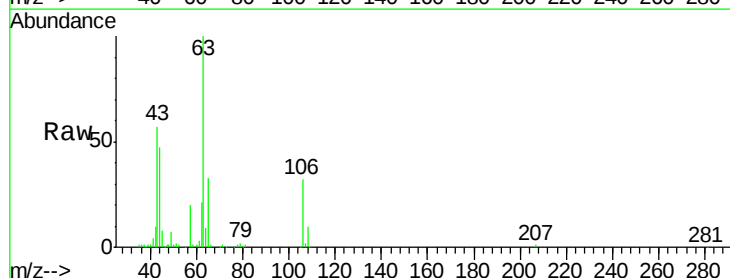
Acq: 15 May 2020 10:33

Tgt Ion: 63 Resp: 45090

Ion Ratio Lower Upper

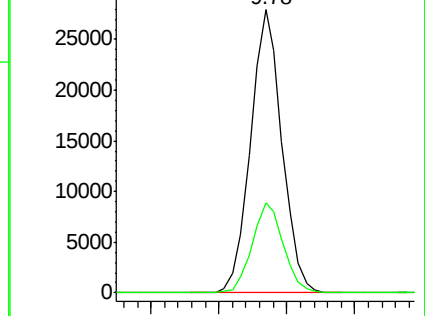
63 100

106 31.6 25.1 37.7

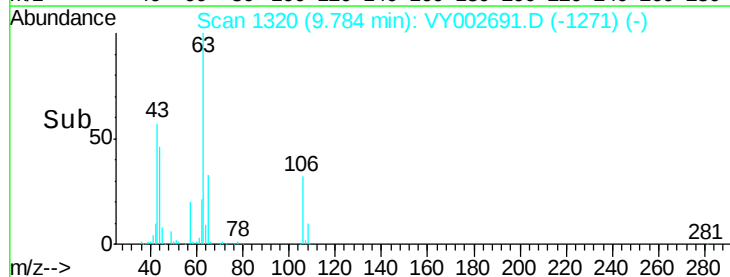


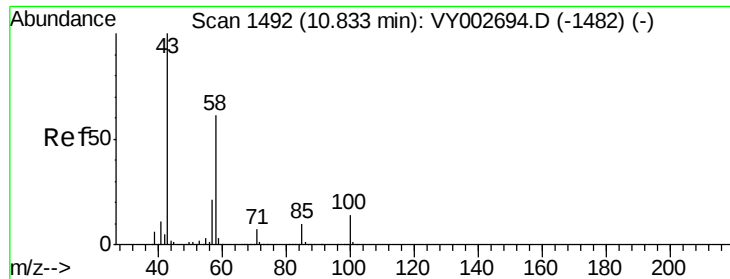
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time-->





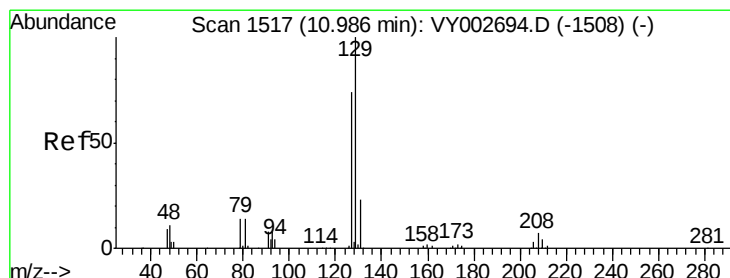
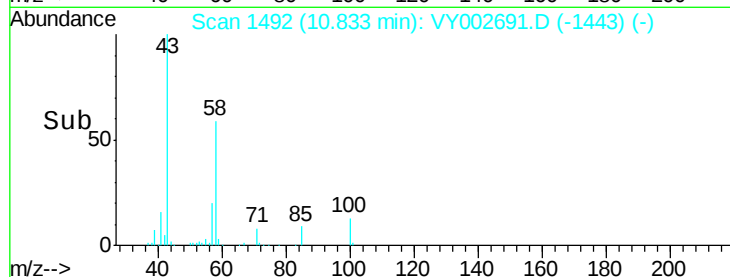
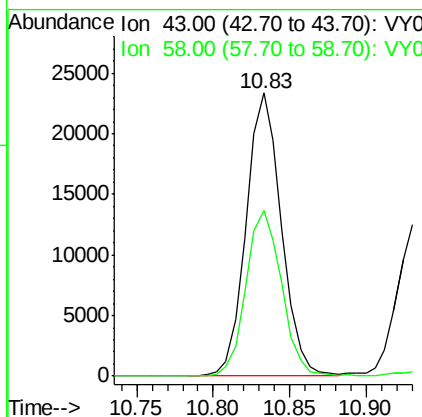
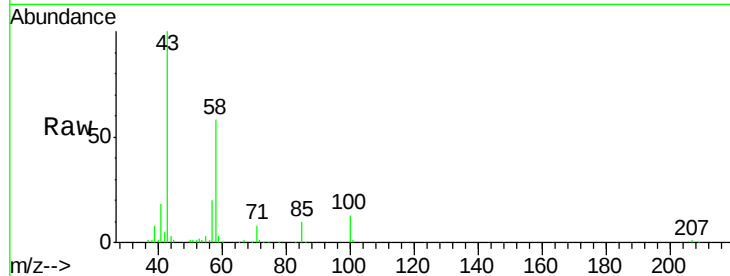
#59
2-Hexanone
Concen: 23.748 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 37365
Ion Ratio Lower Upper
43 100
58 59.0 29.8 89.4

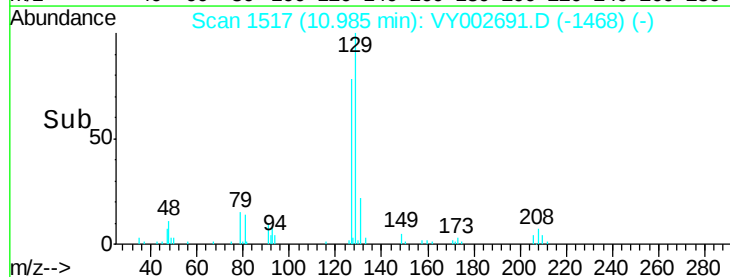
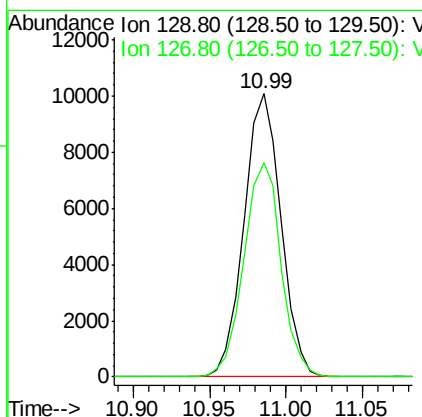
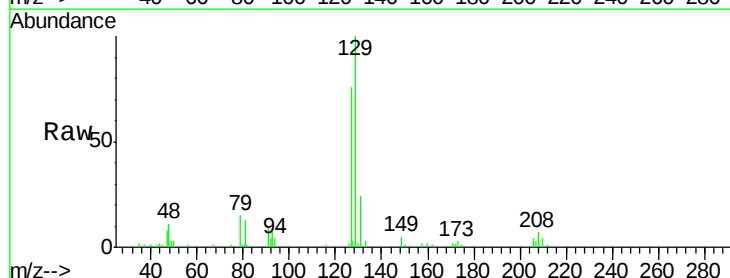
Manual Integrations
APPROVED

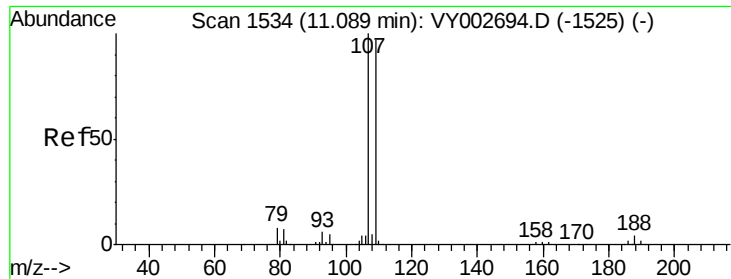
MMDadoda
5/18/2020 1:36:01 PM



#60
Dibromochloromethane
Concen: 4.904 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion: 129 Resp: 16950
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 4.897 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 13168

Ion Ratio Lower Upper

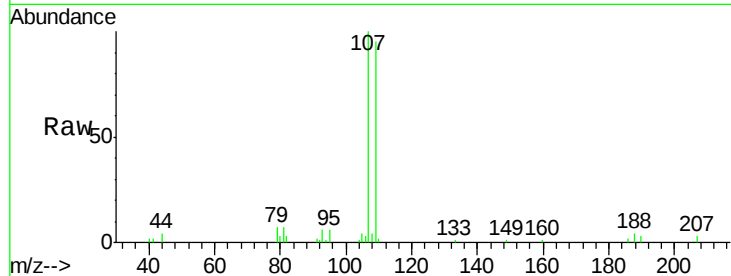
107 100

109 91.4 76.1 114.1

Manual Integrations
APPROVED

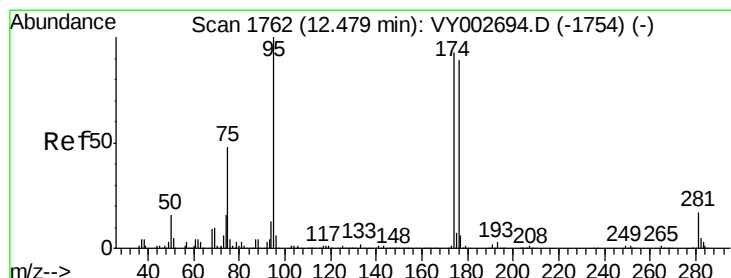
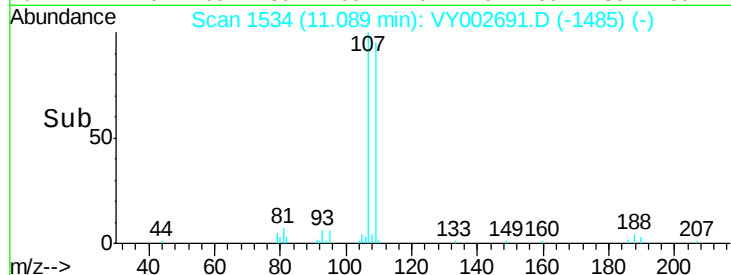
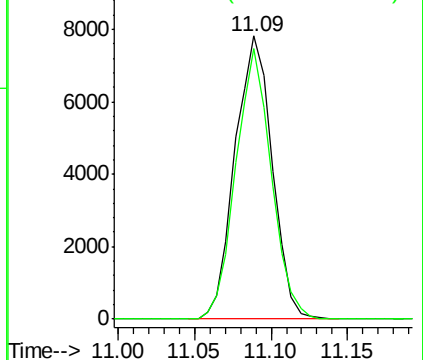
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.262 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

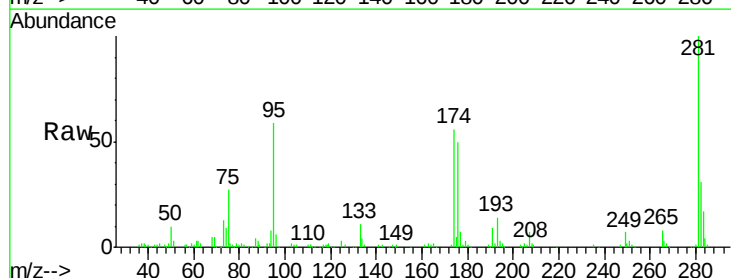
Tgt Ion: 95 Resp: 22198

Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.4

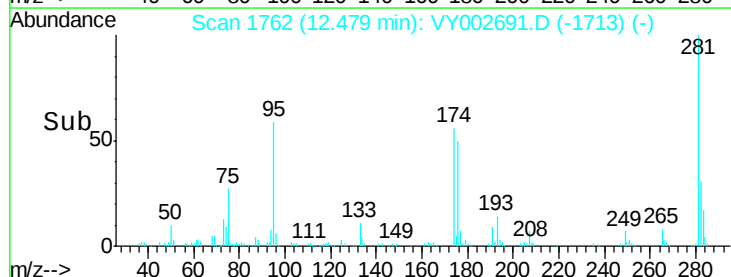
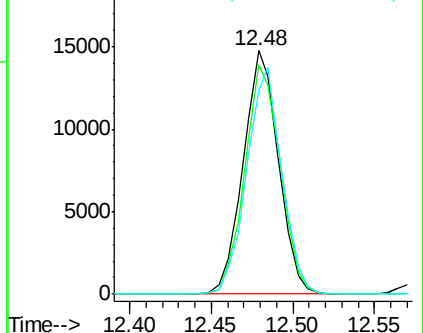
176 92.8 0.0 186.0

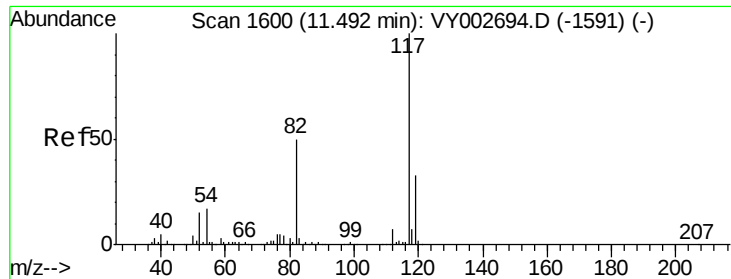


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





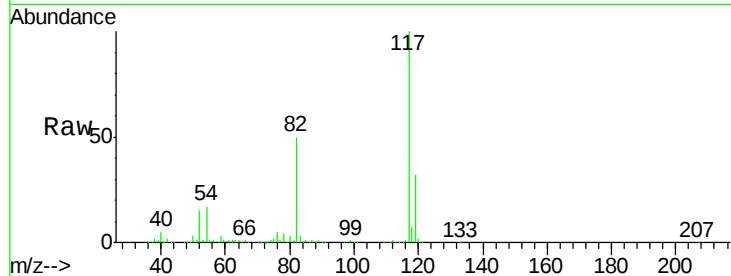
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	509530		
82	50.2		40.3	60.5
119	31.6		26.2	39.4

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM

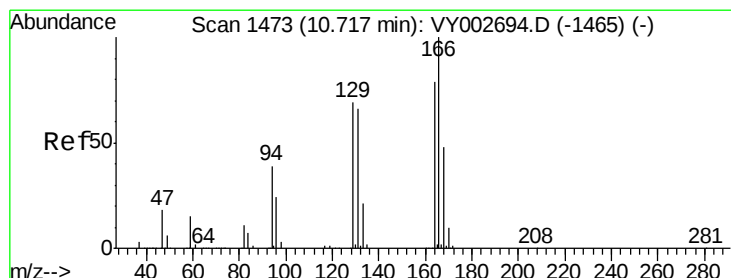
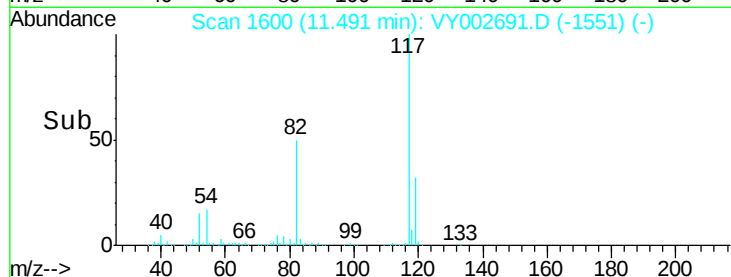
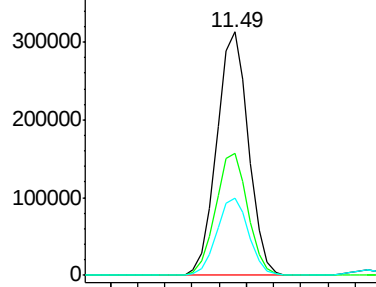


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.444 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24794		
166	130.4		101.6	152.4
129	87.5		70.2	105.4
131	89.8		67.4	101.0

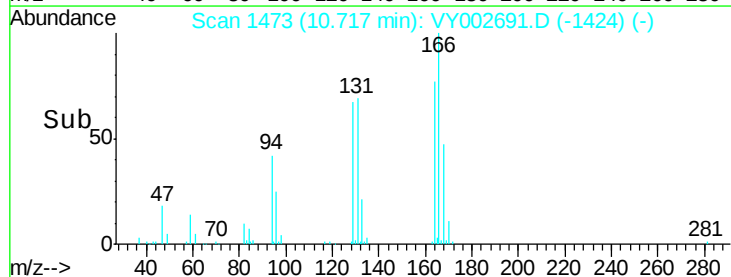
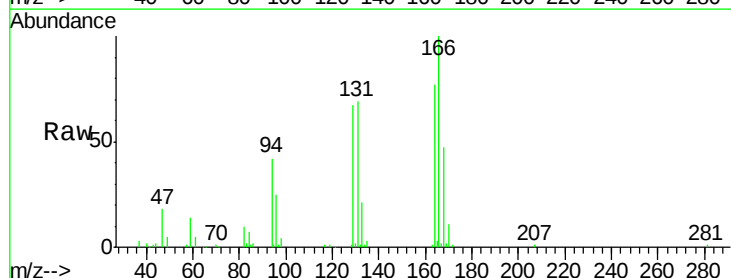
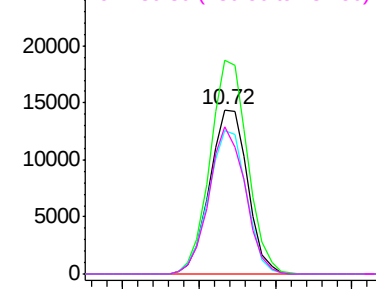
Abundance

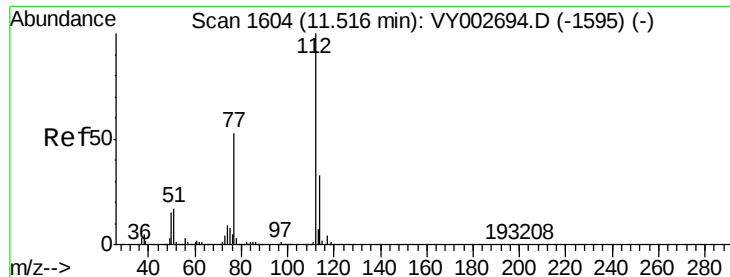
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





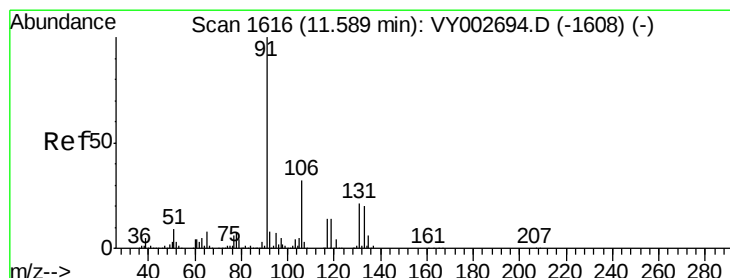
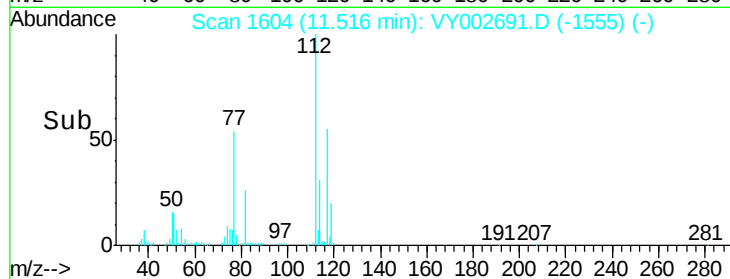
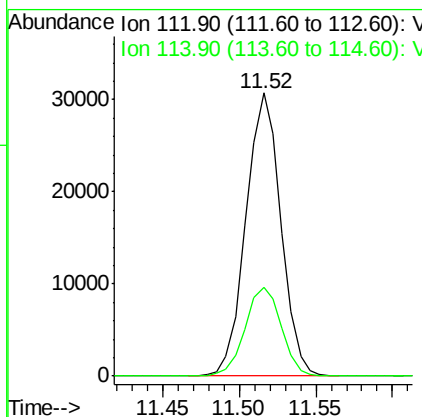
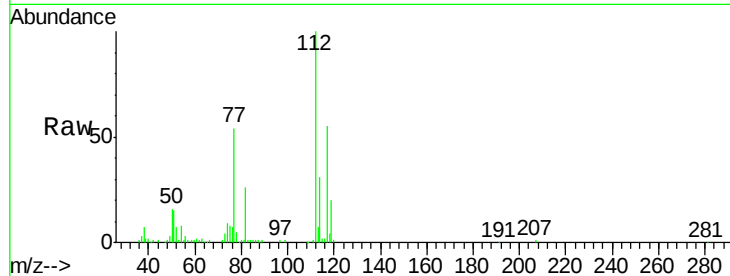
#65
Chlorobenzene
Concen: 5.040 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.1	39.1

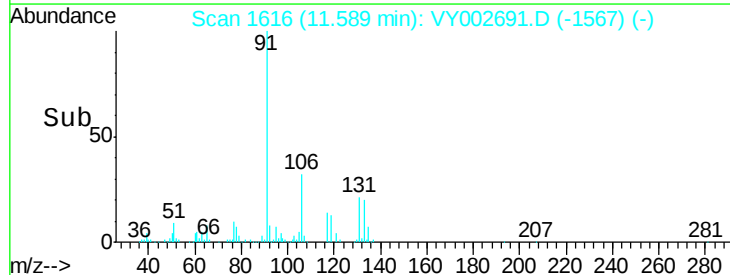
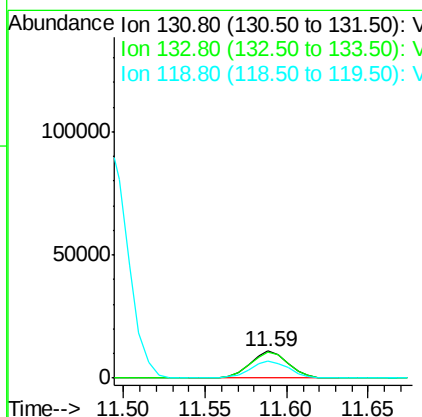
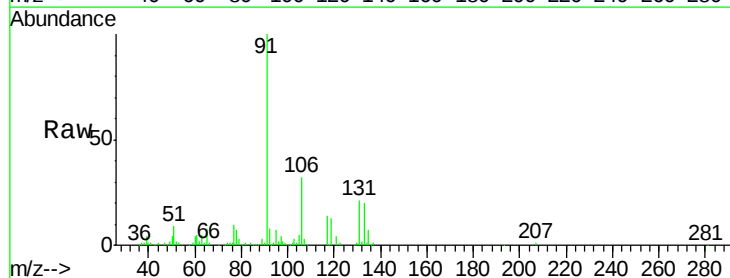
Manual Integrations
APPROVED

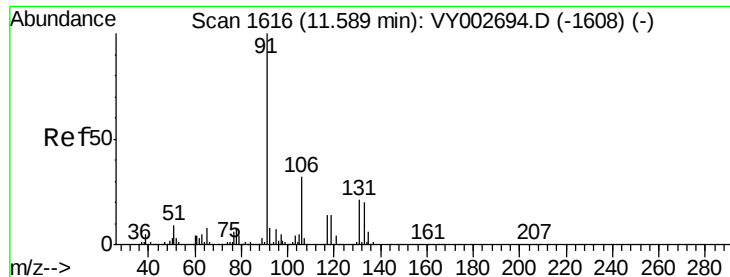
MMDadoda
5/18/2020 1:36:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.933 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.7	47.4	142.3
119	63.9	31.6	94.8





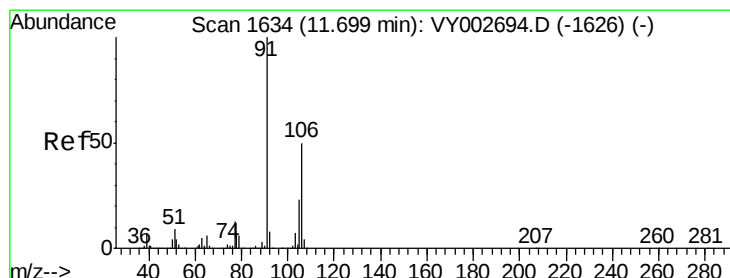
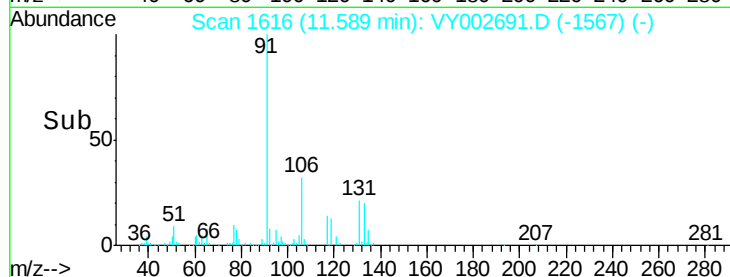
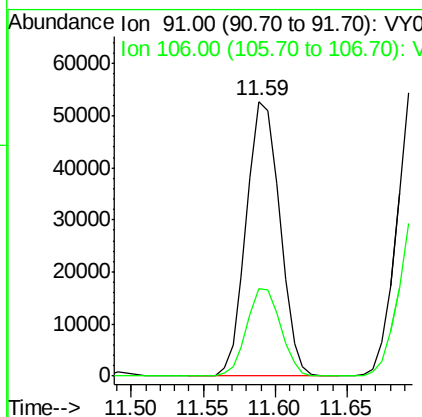
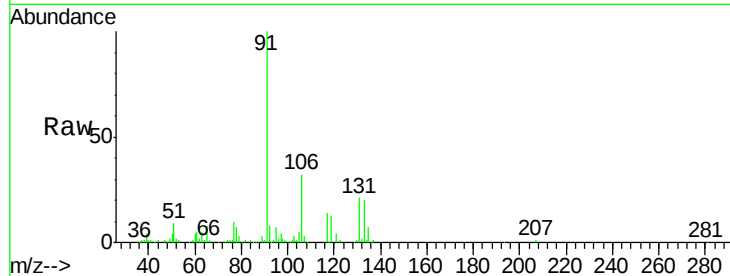
#67
Ethyl Benzene
Concen: 5.025 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.0	26.0	39.0	

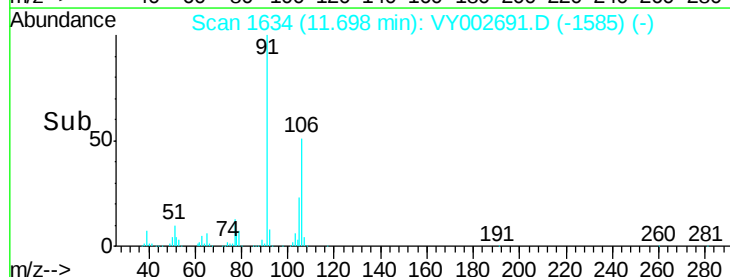
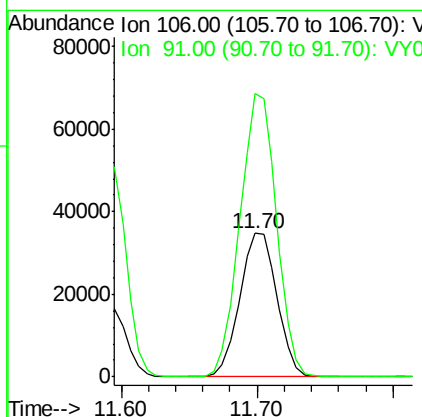
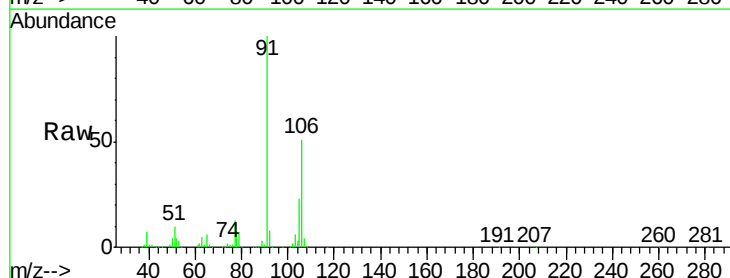
Manual Integrations
APPROVED

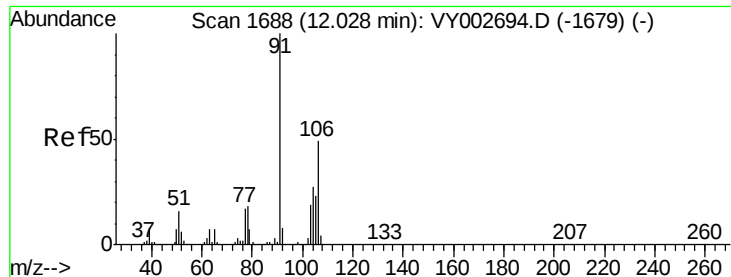
MMDadoda
5/18/2020 1:36:01 PM



#68
m/p-Xylenes
Concen: 10.102 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	194.2	156.2	234.4	





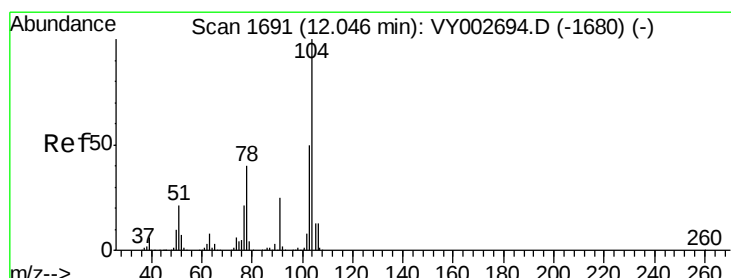
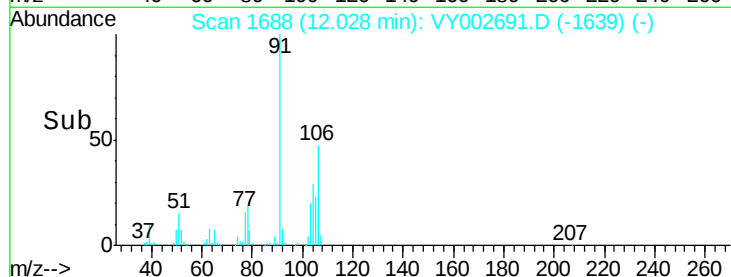
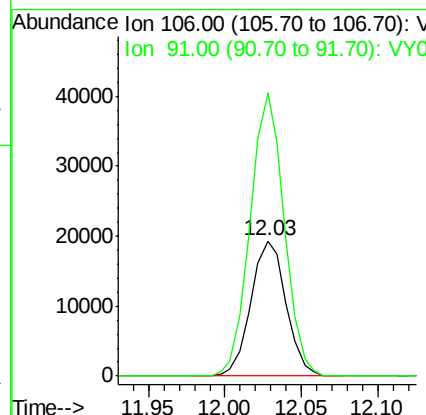
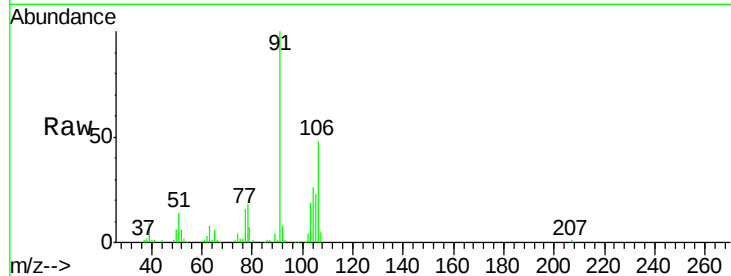
#69
o-Xylene
Concen: 4.990 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.9	103.5	310.3	

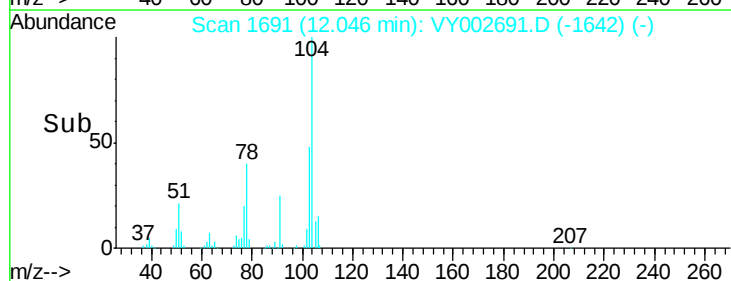
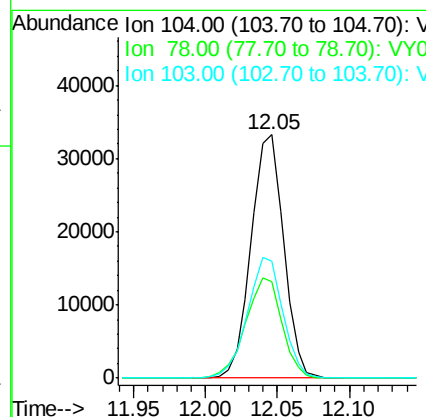
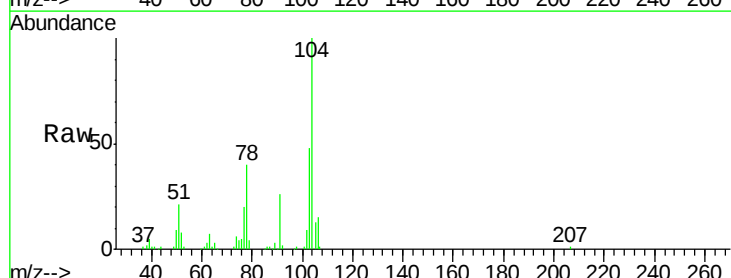
Manual Integrations
APPROVED

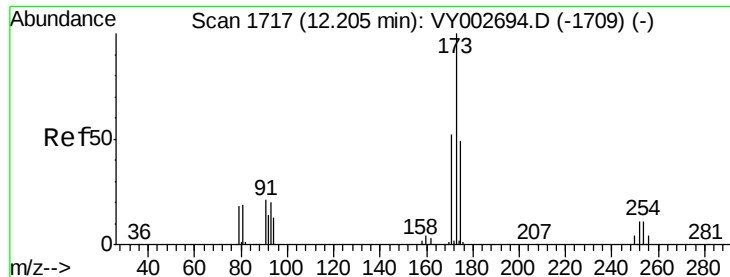
MMDadoda
5/18/2020 1:36:01 PM



#70
Styrene
Concen: 4.944 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.9	36.6	54.8	
103	54.1	44.1	66.1	





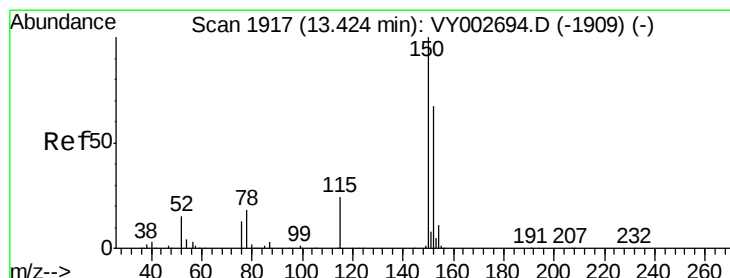
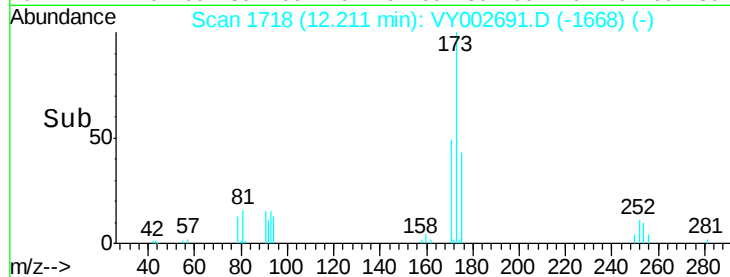
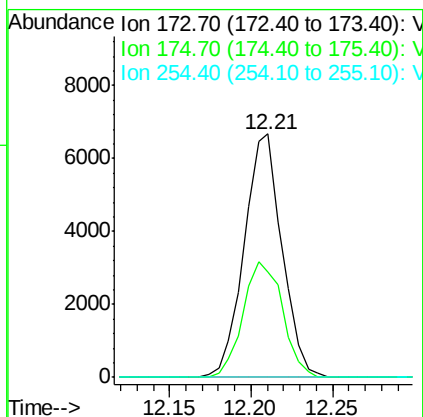
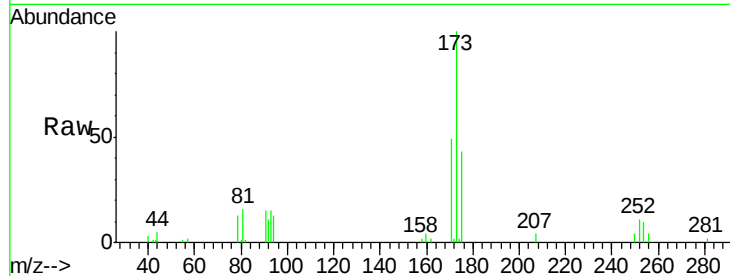
#71
Bromoform
Concen: 4.829 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.4
254	0.0	0.1	0.1

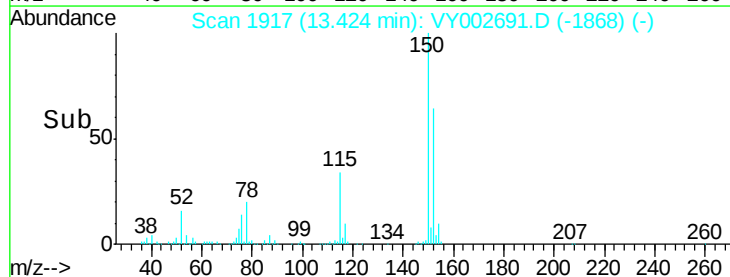
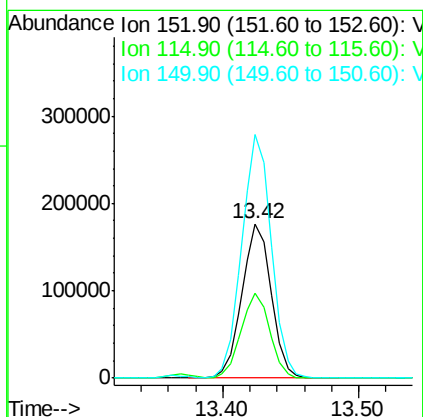
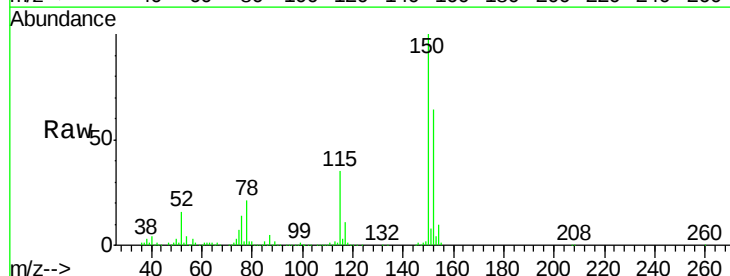
Manual Integrations
APPROVED

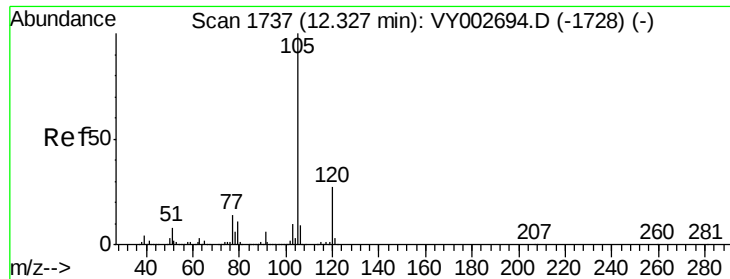
MMDadoda
5/18/2020 1:36:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.6
150	159.1	0.0	343.8





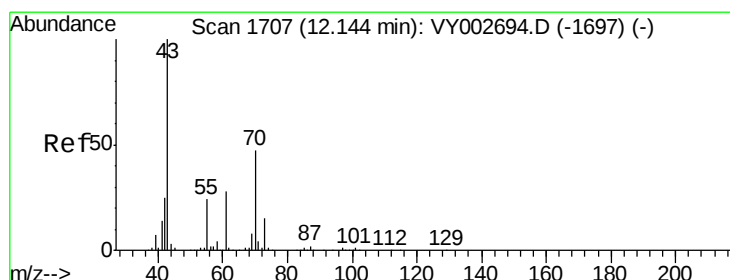
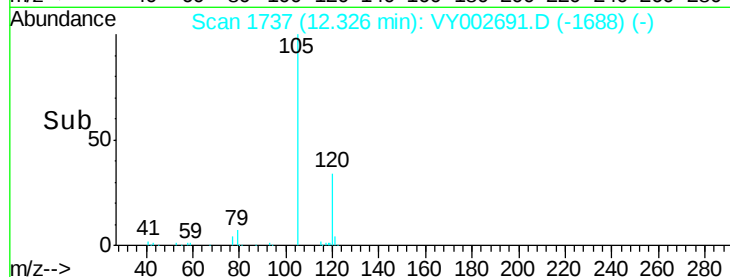
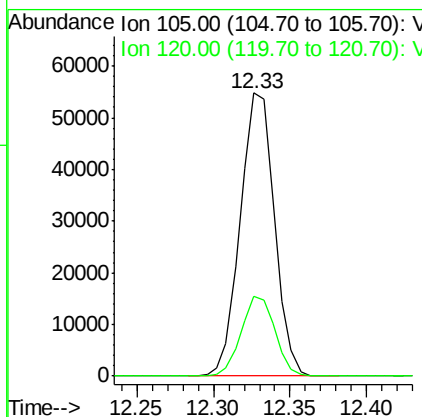
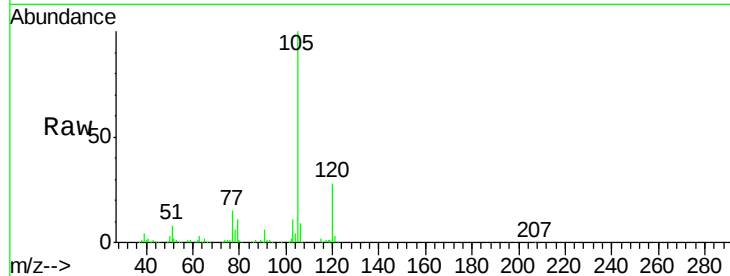
#73
Isopropylbenzene
Concen: 4.967 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.7	41.1

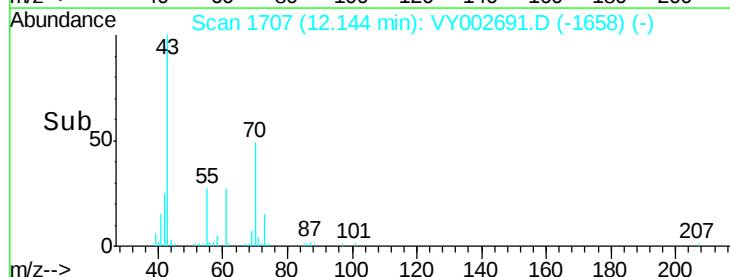
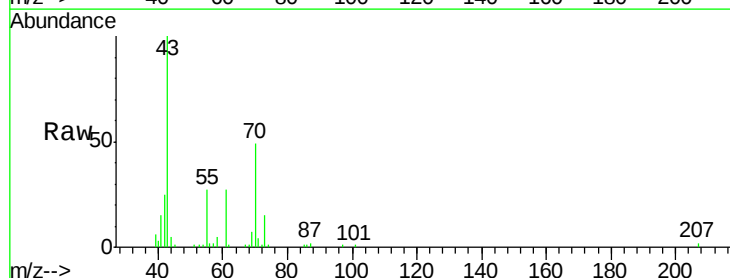
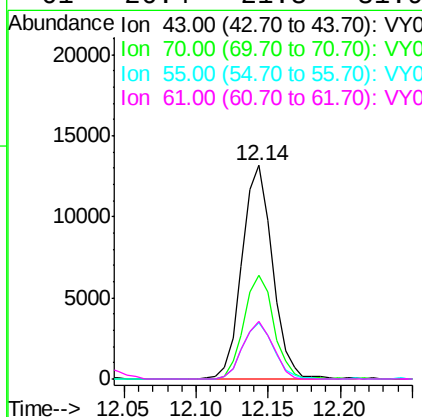
Manual Integrations
APPROVED

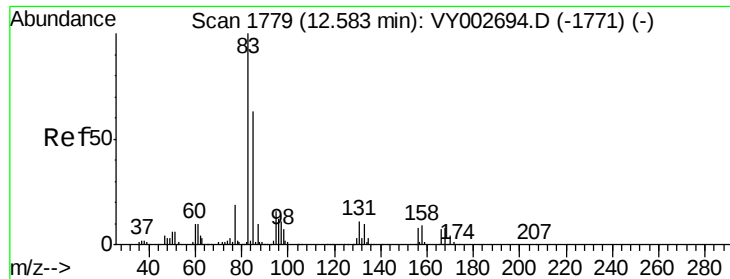
MMDadoda
5/18/2020 1:36:01 PM



#74
N-ethyl acetate
Concen: 4.714 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.0	37.7	56.5
55	26.5	19.4	29.0
61	26.4	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.453 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

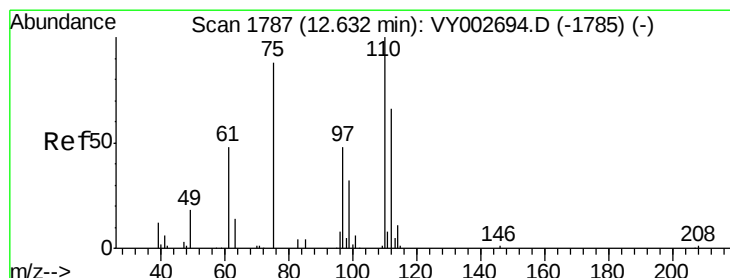
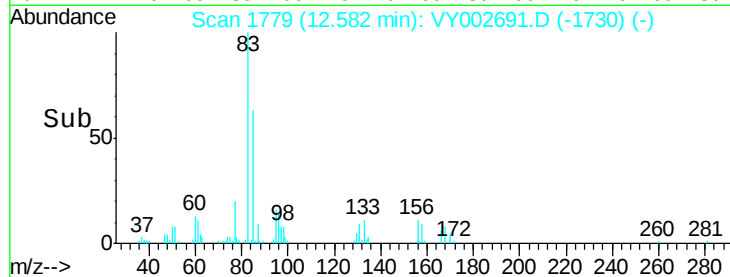
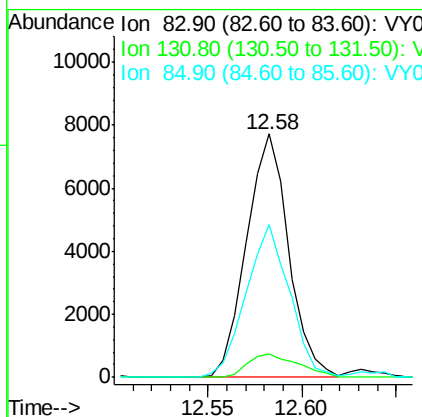
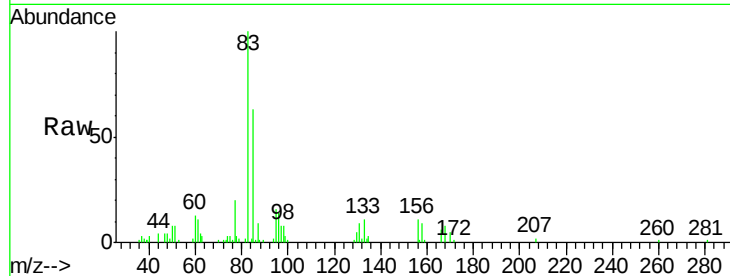
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11964
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.3
85	64.7	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#76

1,2,3-Trichloropropane

Concen: 4.645 ug/l m

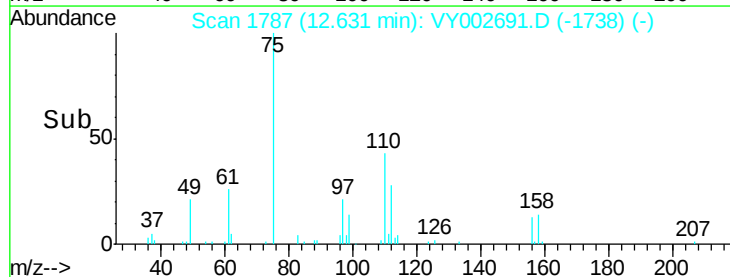
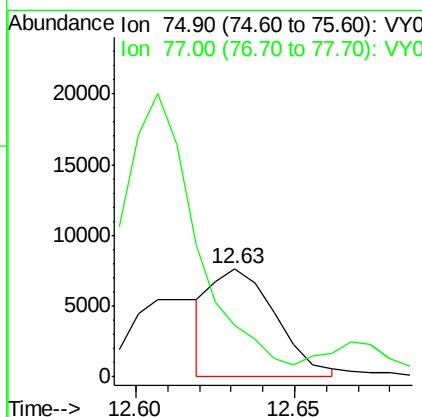
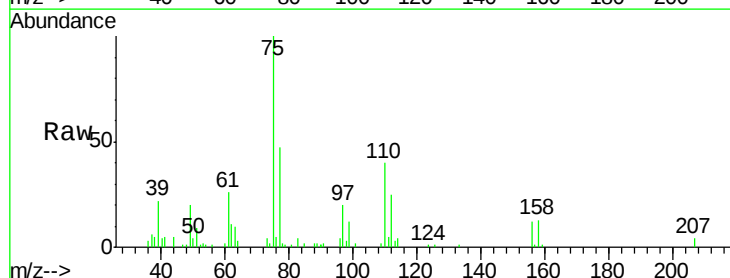
RT: 12.63 min Scan# 1787

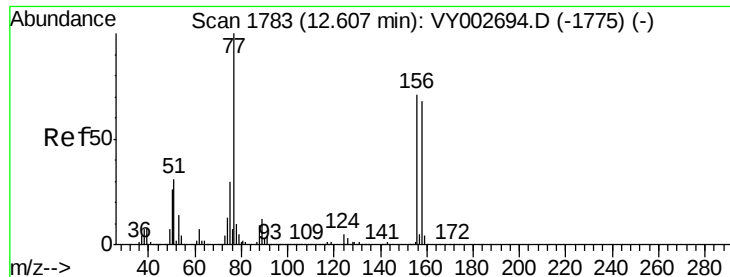
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	75	Resp:	10700
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.027 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

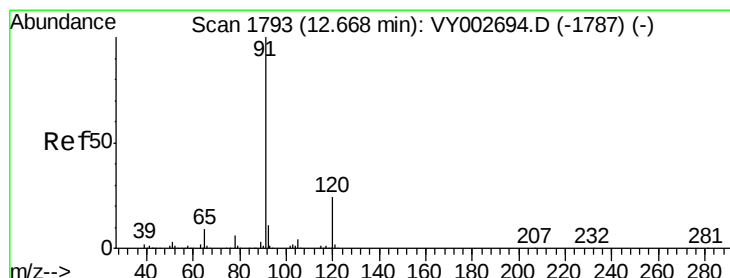
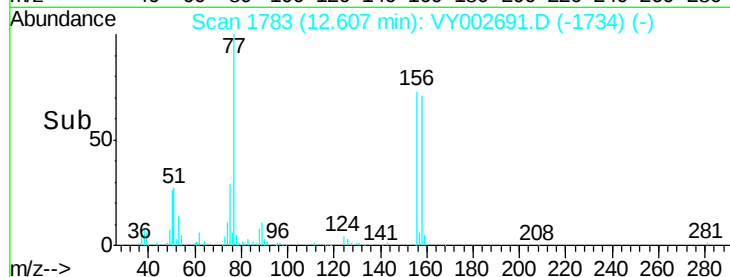
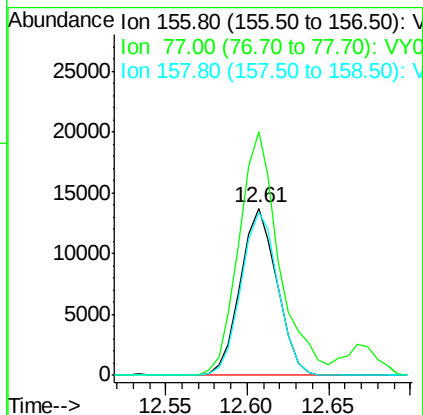
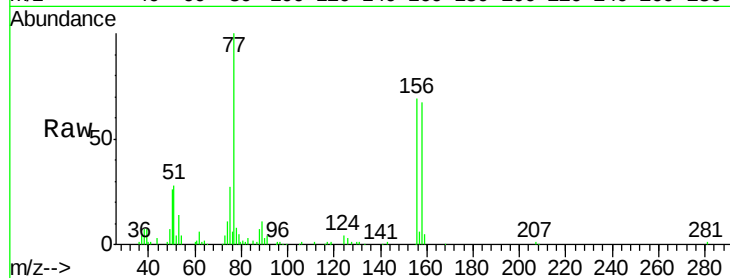
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	21505
Ion Ratio	Lower	Upper	
156	100		
77	160.6	80.8	242.3
158	98.2	49.0	147.0

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#78

n-propylbenzene

Concen: 4.990 ug/l

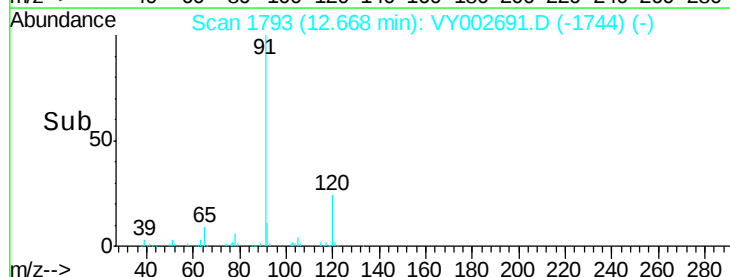
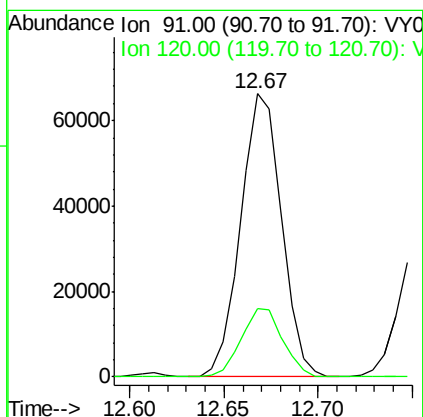
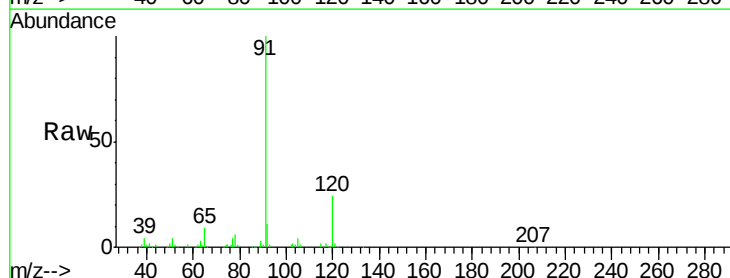
RT: 12.67 min Scan# 1793

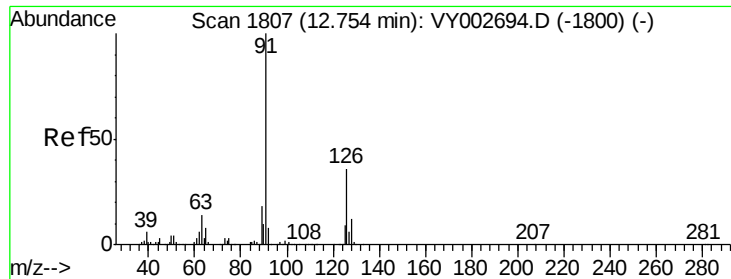
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	91	Resp:	99176
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.8





#79

2-Chlorotoluene

Concen: 5.022 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 55331

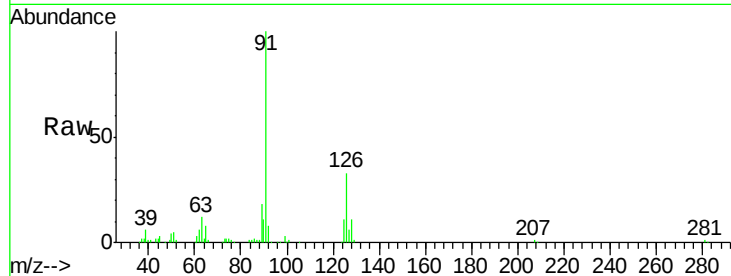
Ion Ratio Lower Upper

91 100

126 36.1 18.4 55.0

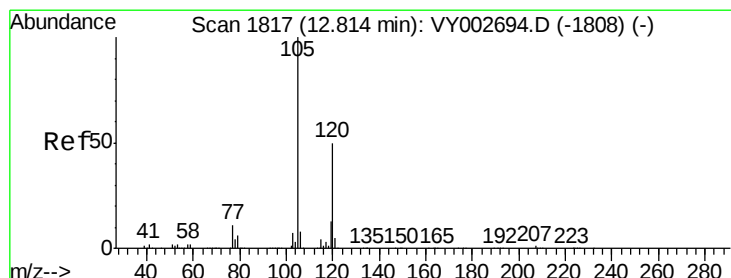
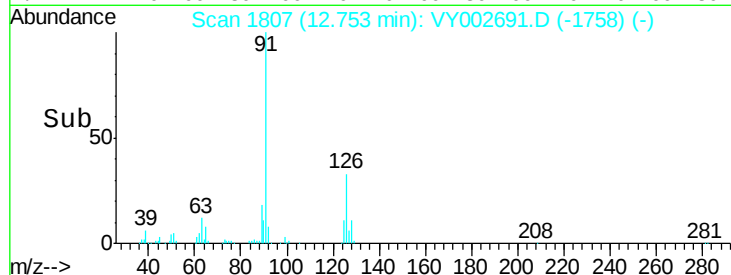
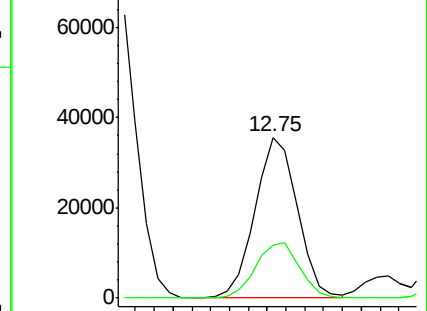
Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002691.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002691.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.029 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002691.D

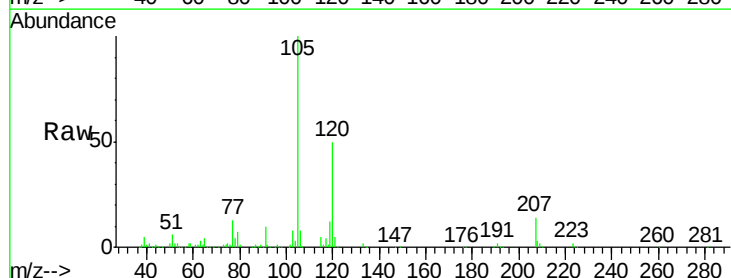
Acq: 15 May 2020 10:33

Tgt Ion: 105 Resp: 71458

Ion Ratio Lower Upper

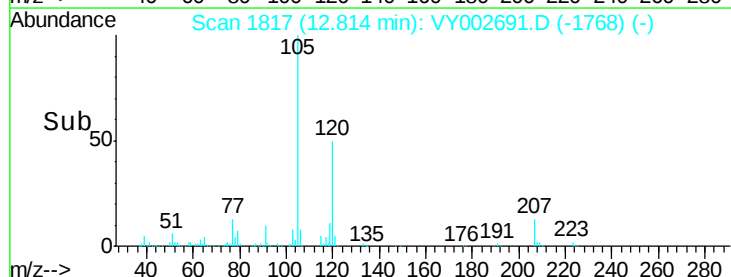
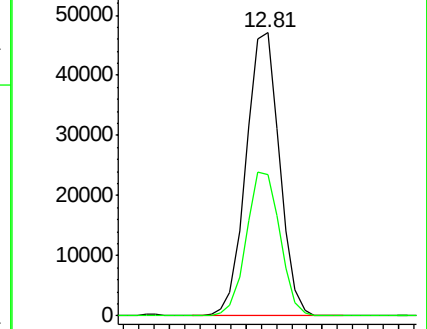
105 100

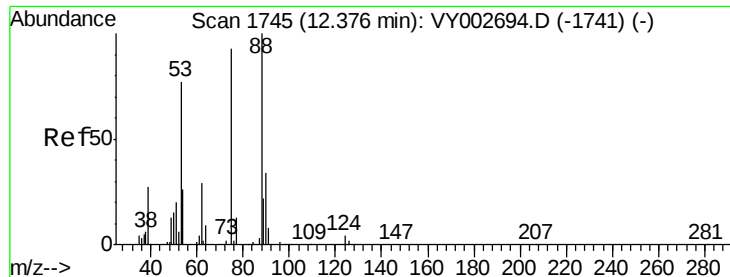
120 51.0 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY002691.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002691.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.780 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

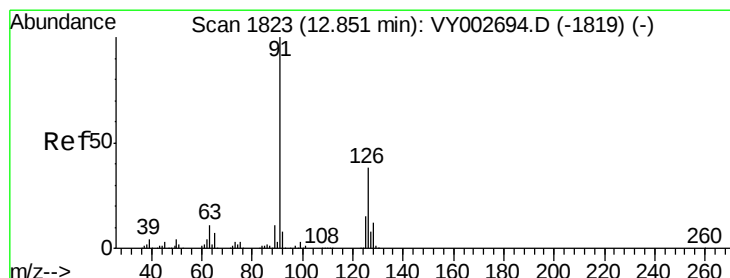
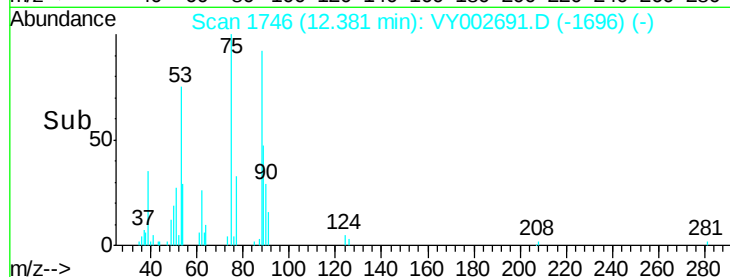
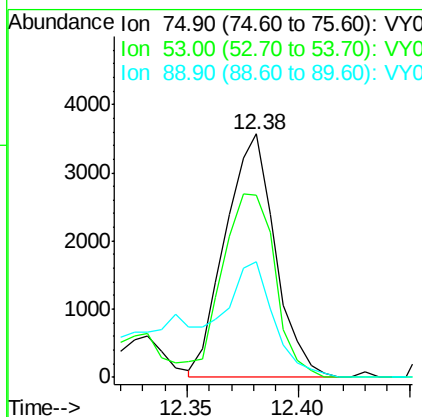
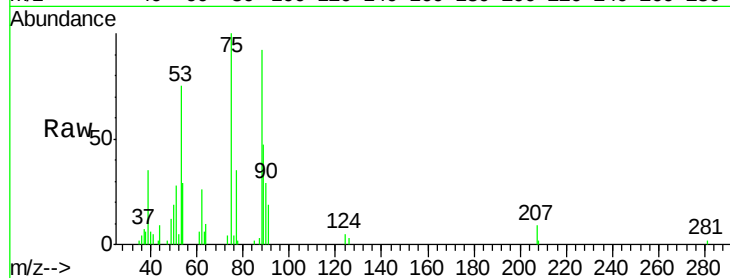
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5561
Ion	Ratio	Lower	Upper
75	100		
53	80.7	65.0	97.6
89	46.1	66.6	99.8#

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#82

4-Chlorotoluene

Concen: 5.082 ug/l

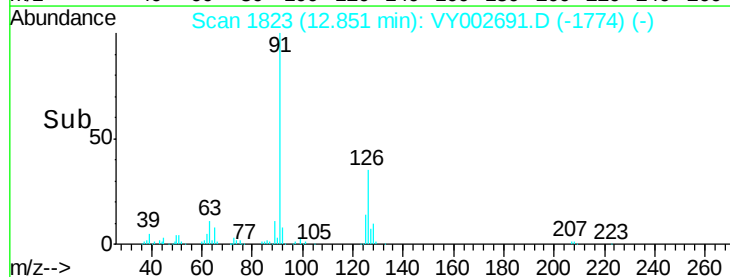
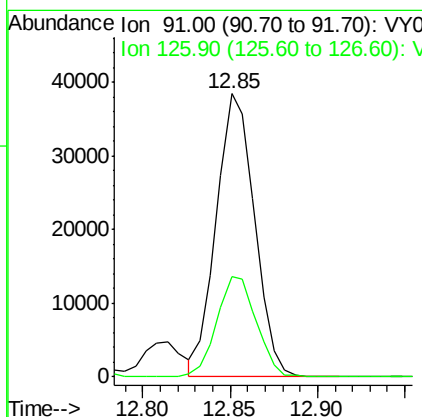
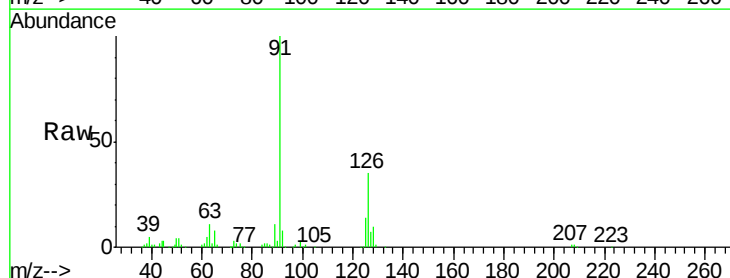
RT: 12.85 min Scan# 1823

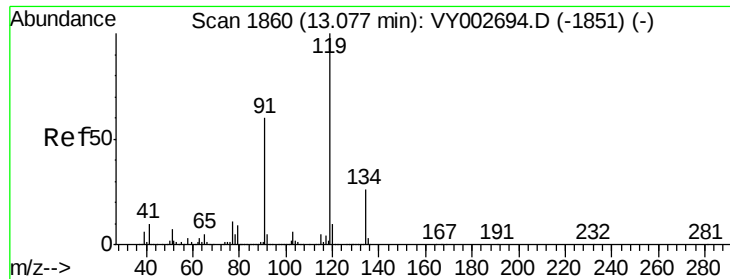
Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Tgt Ion:	91	Resp:	58705
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.6	56.0





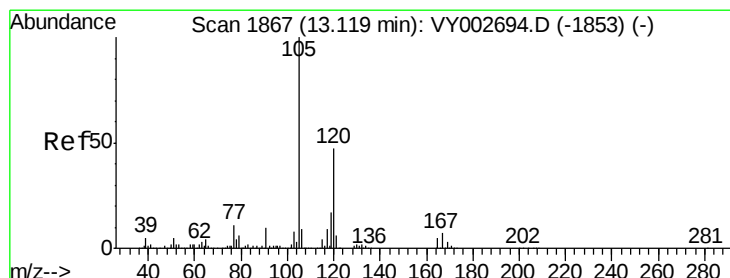
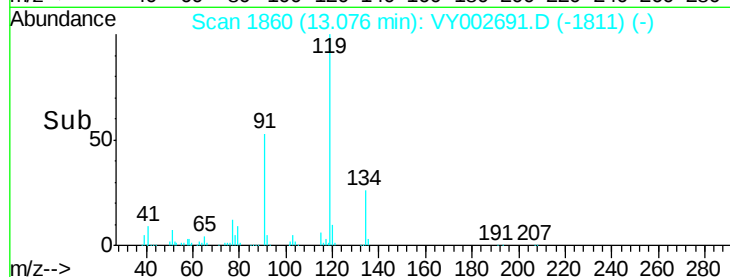
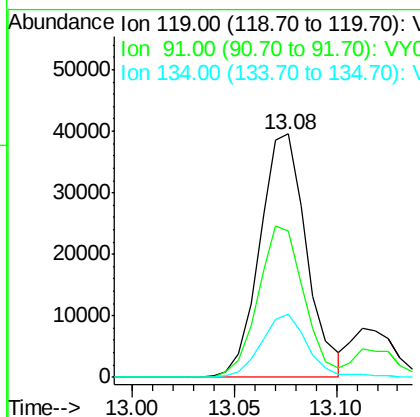
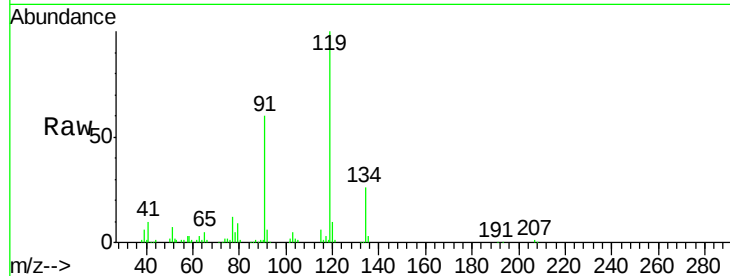
#83
 tert-Butylbenzene
 Concen: 5.069 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	63133		
91	61.1		30.4	91.2
134	25.7		13.4	40.2

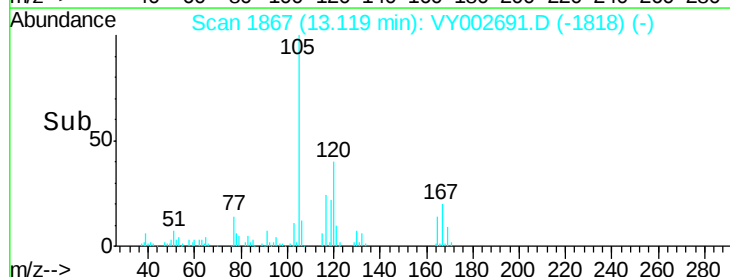
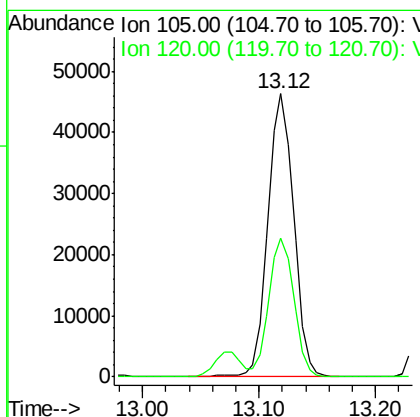
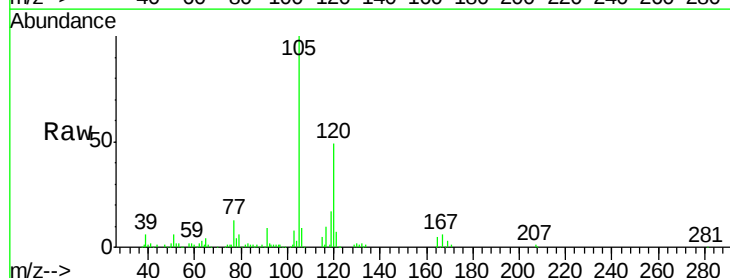
Manual Integrations
 APPROVED

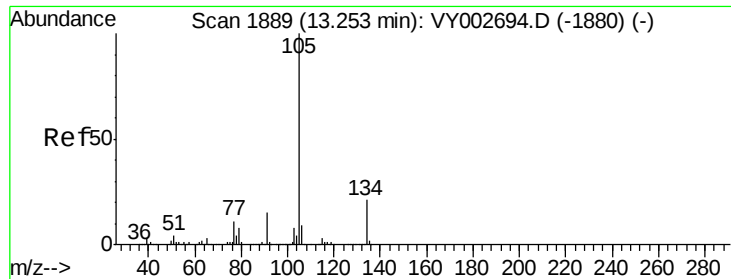
MMDadoda
 5/18/2020 1:36:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.000 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	70871		
120	47.8		23.5	70.5





#85

sec-Butylbenzene

Concen: 5.126 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 88604

Ion Ratio Lower Upper

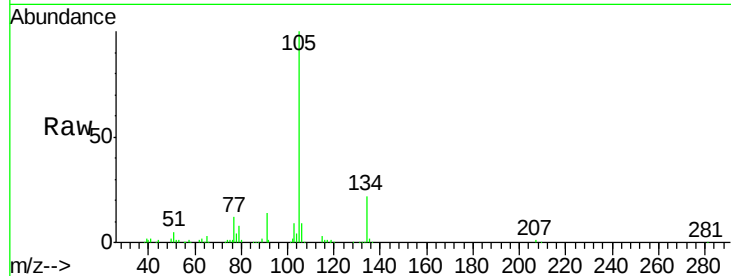
105 100

134 21.7 10.8 32.3

Manual Integrations
APPROVED

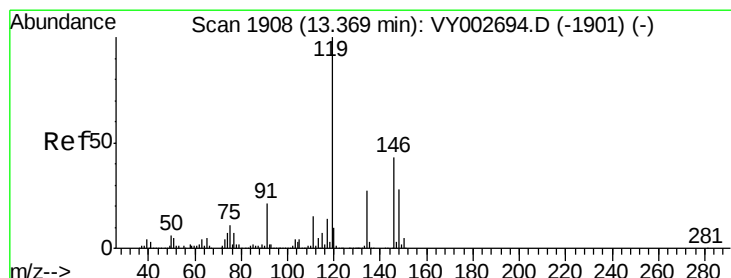
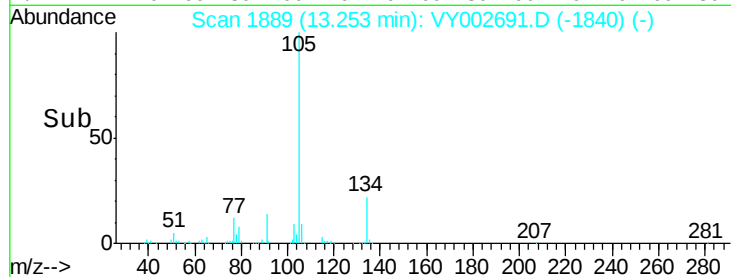
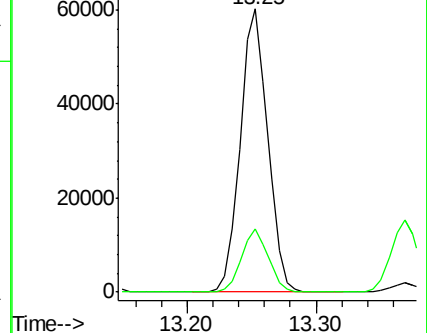
MMDadoda

5/18/2020 1:36:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.047 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

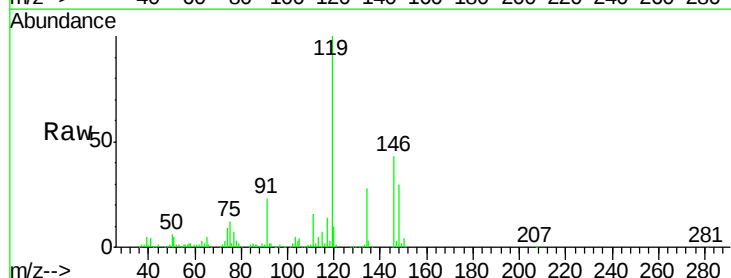
Tgt Ion:119 Resp: 81752

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

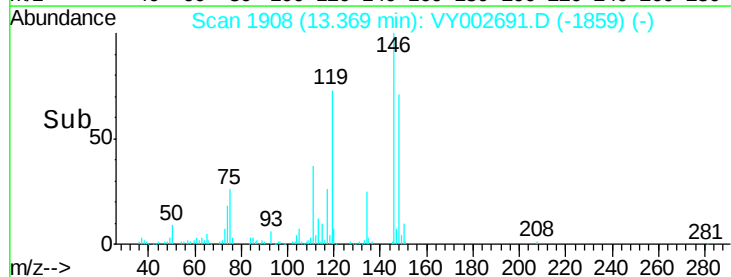
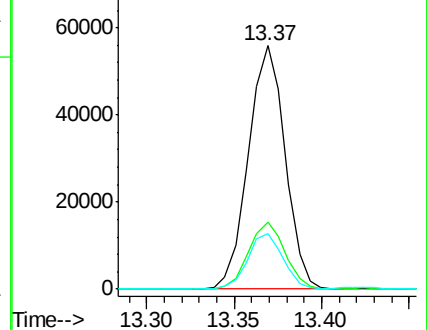
91 22.0 10.8 32.3

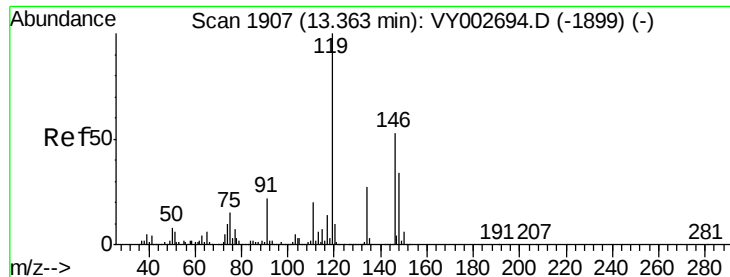


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





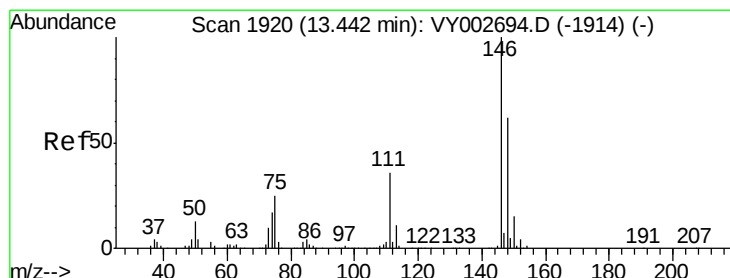
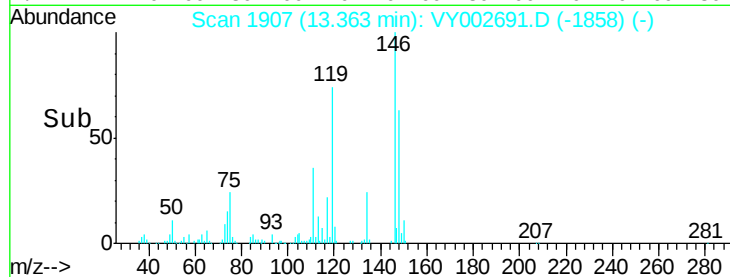
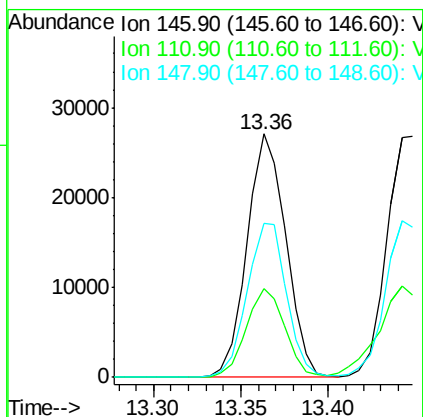
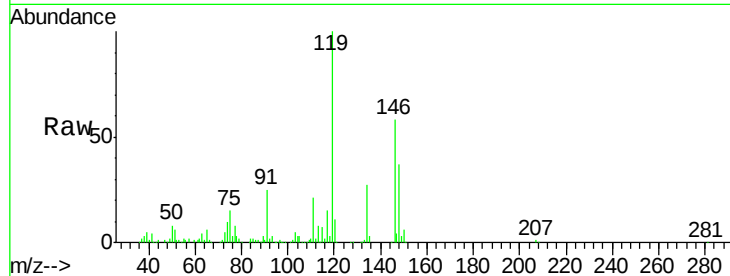
#87
 1,3-Dichlorobenzene
 Concen: 5.146 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.5	55.5
148	64.2	32.1	96.5

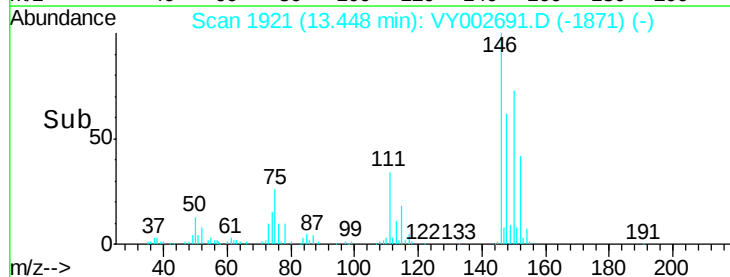
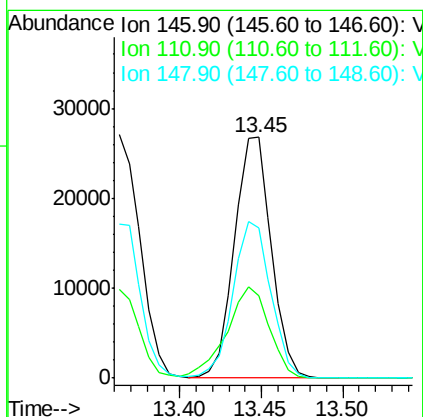
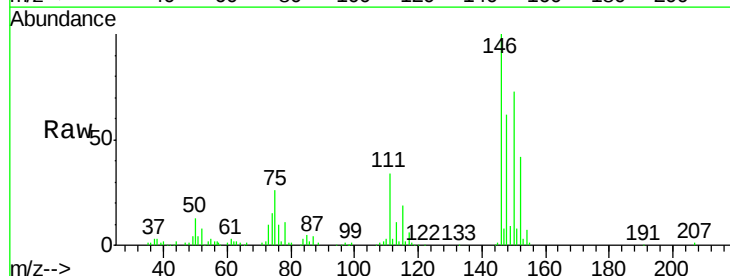
Manual Integrations
 APPROVED

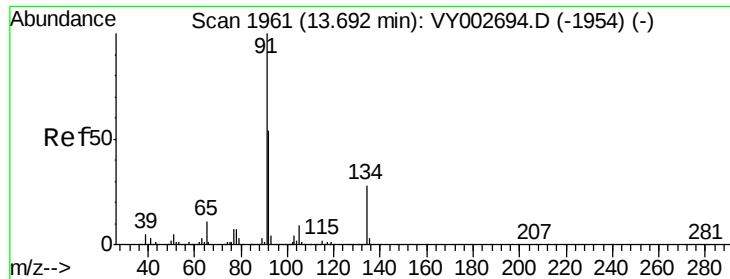
MMDadoda
 5/18/2020 1:36:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.267 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	18.1	54.4
148	66.6	31.8	95.3





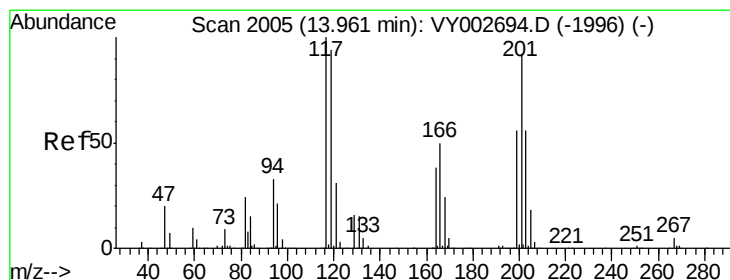
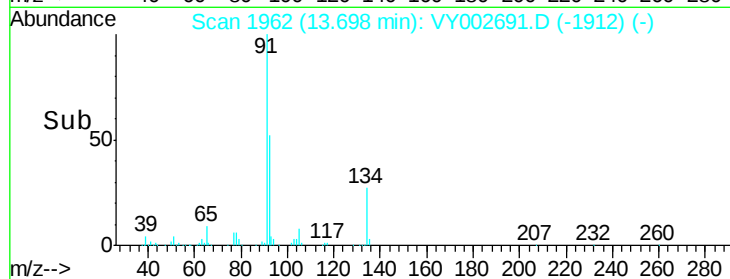
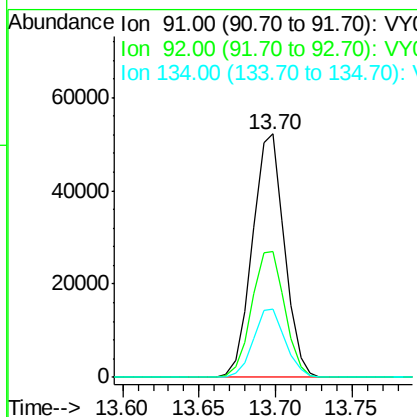
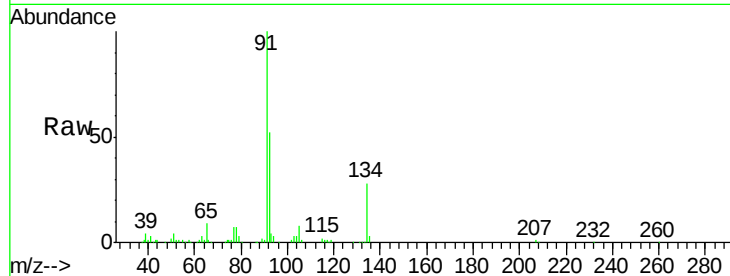
#89
n-Butylbenzene
Concen: 5.147 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	27.9	14.5	43.5

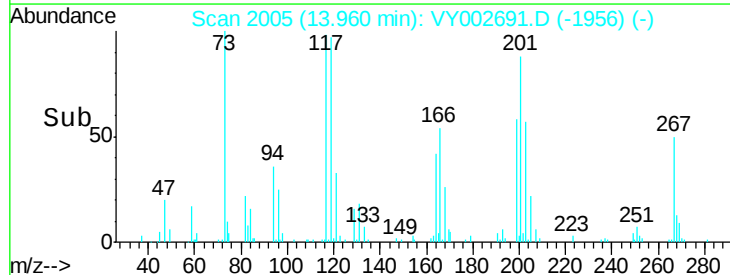
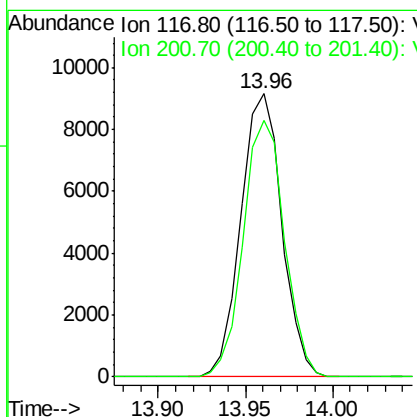
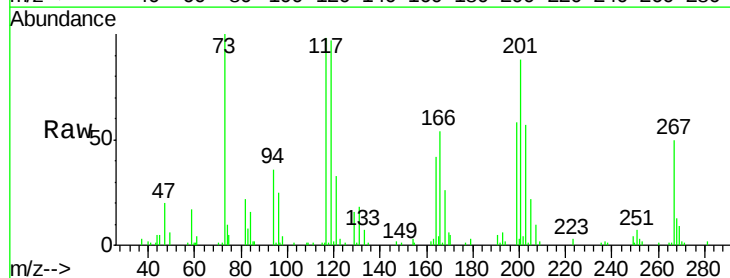
Manual Integrations
APPROVED

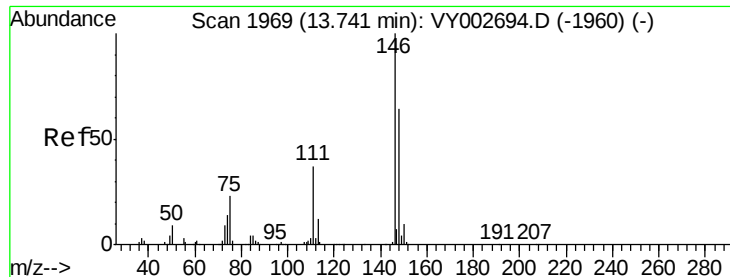
MMDadoda
5/18/2020 1:36:01 PM



#90
Hexachloroethane
Concen: 5.040 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 5.242 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY002691.D

Acq: 15 May 2020 10:33

Instrument :

MSVOA_Y

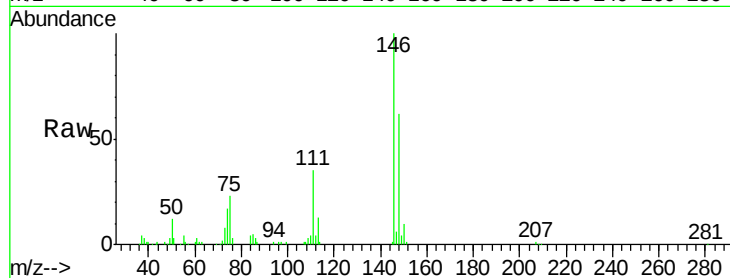
ClientSampleId :

VSTDIC005

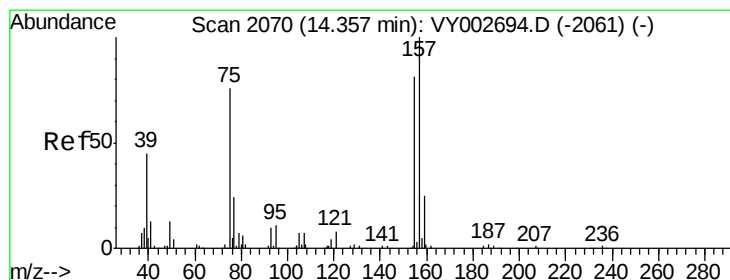
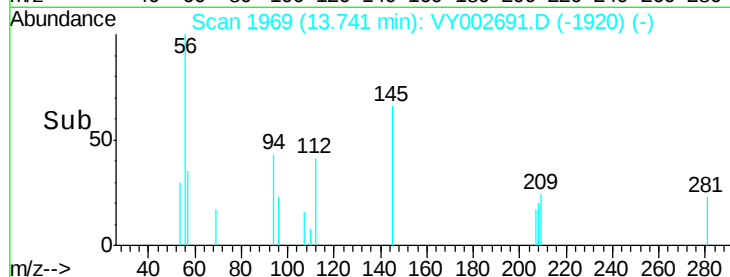
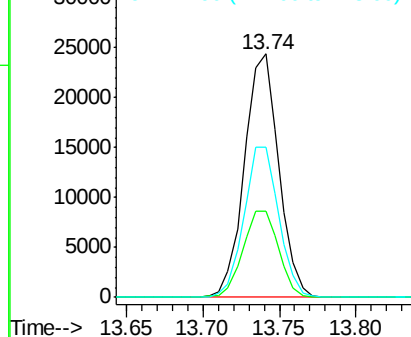
Tot Ion:	146	Resp:	37942
Ion Ratio	Lower	Upper	
146	100		
111	36.8	19.1	57.1
148	62.9	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.803 ug/l

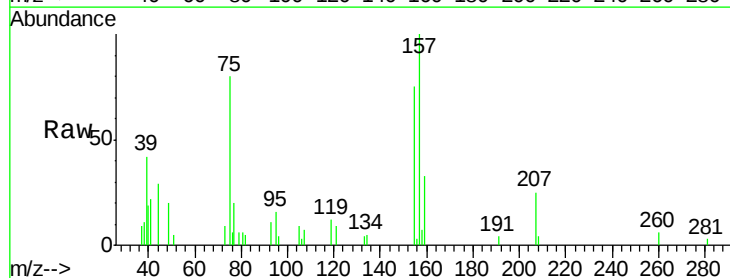
RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

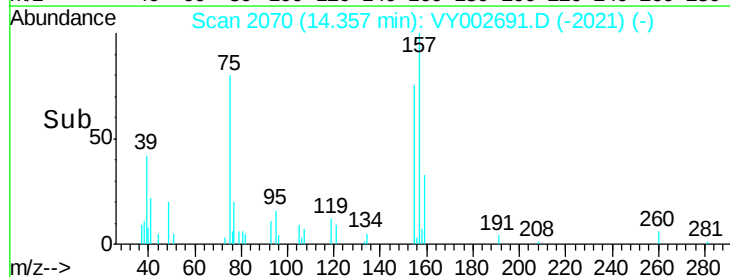
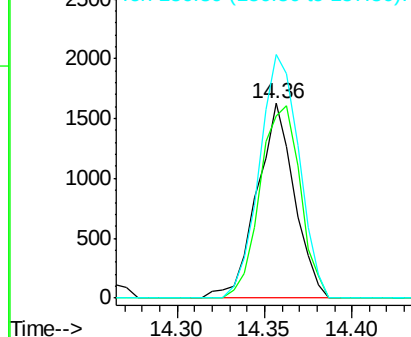
Lab File: VY002691.D

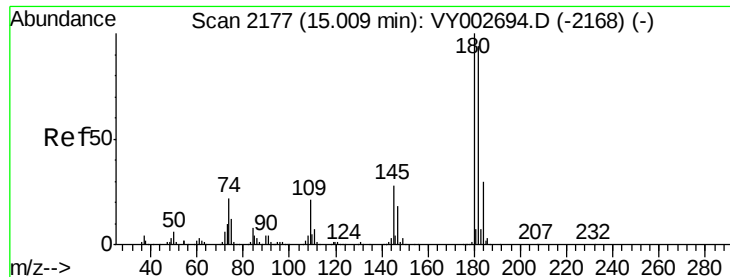
Acq: 15 May 2020 10:33

Tgt Ion:	75	Resp:	2420
Ion Ratio	Lower	Upper	
75	100		
155	105.9	53.5	160.7
157	132.2	67.9	203.7



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





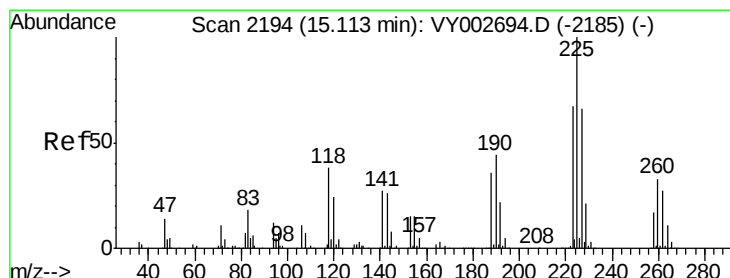
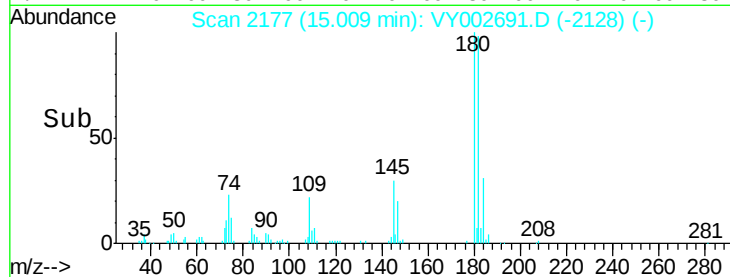
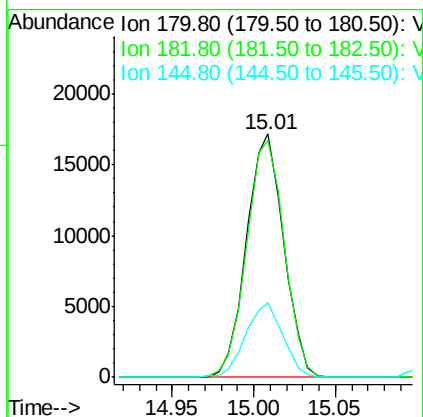
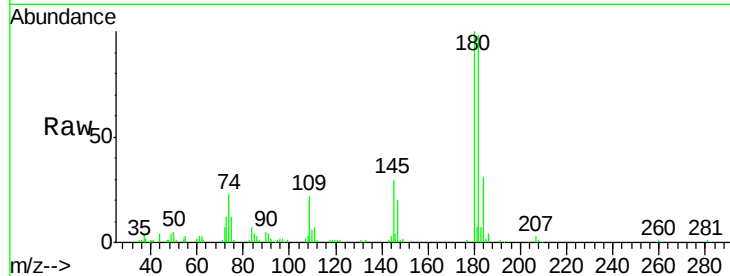
#93
 1,2,4-Trichlorobenzene
 Concen: 5.170 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27295		
182	99.0	47.3	142.0	
145	30.6	14.1	42.2	

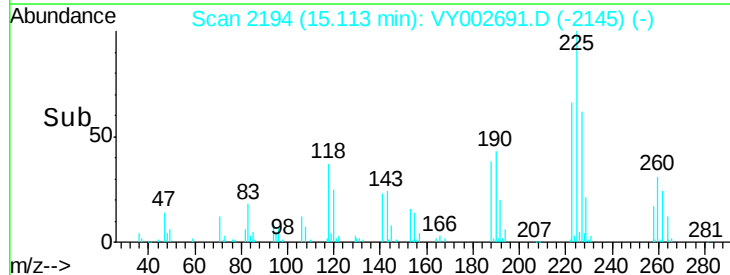
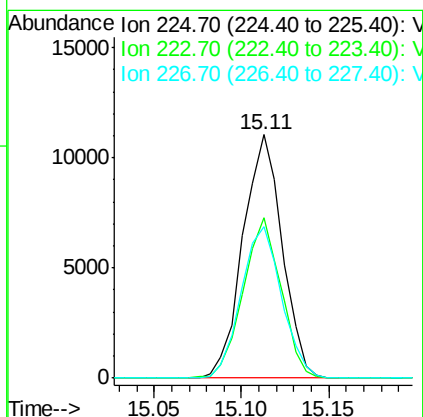
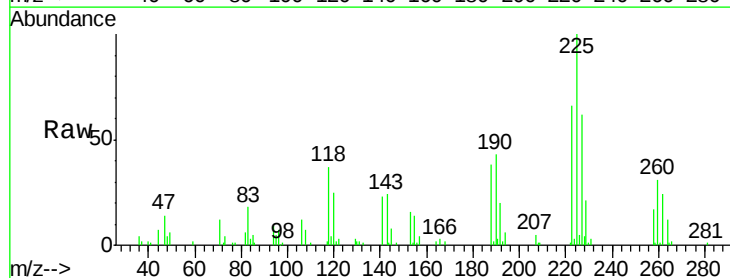
Manual Integrations
 APPROVED

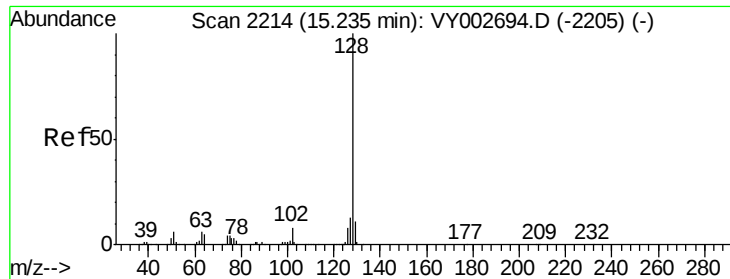
MMDadoda
 5/18/2020 1:36:01 PM



#94
 Hexachlorobutadiene
 Concen: 5.443 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002691.D
 Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17281		
223	63.5	31.6	94.8	
227	64.0	32.2	96.6	





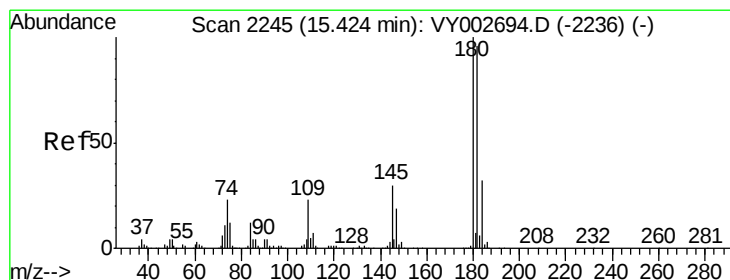
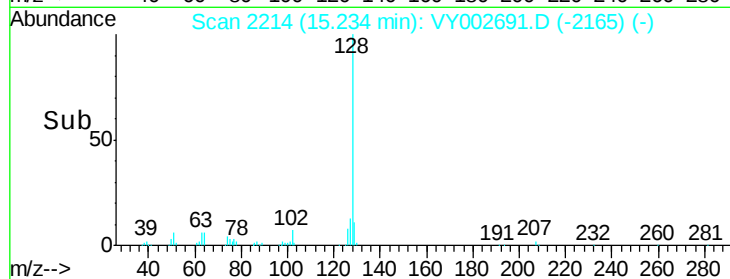
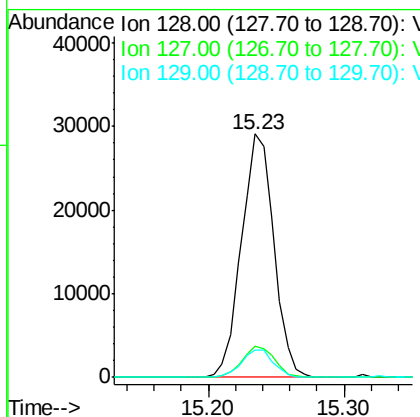
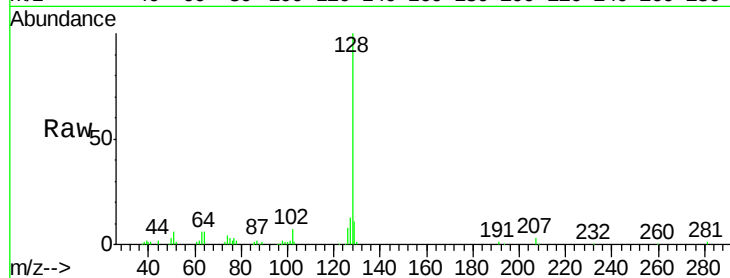
#95
Naphthalene
Concen: 5.058 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	48466		
127	12.7		10.3	15.5
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.398 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002691.D
Acq: 15 May 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	24161		
182	93.0		47.6	142.9
145	30.4		15.1	45.3

