

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001636.D
 Acq On : 17 Feb 2020 10:24
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:47 AM

Quant Time: Feb 17 12:10:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	204042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	361257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	324648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	151891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	20494	9.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.70%	
35) Dibromofluoromethane	7.74	113	20501	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
50) Toluene-d8	10.19	98	69849	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	
62) 4-Bromofluorobenzene	12.49	95	30578	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	18598	9.251	ug/l	99
3) Chloromethane	2.13	50	27222	12.414	ug/l	100
4) Vinyl Chloride	2.26	62	27239	12.054	ug/l	96
5) Bromomethane	2.66	94	18146	12.817	ug/l	100
6) Chloroethane	2.81	64	17006	12.479	ug/l	96
7) Trichlorofluoromethane	3.15	101	35662	10.011	ug/l	94
8) Diethyl Ether	3.55	74	13787	11.156	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	21761	10.087	ug/l	98
10) Methyl Iodide	4.12	142	25493	9.289	ug/l	99
11) Tert butyl alcohol	4.99	59	17645	54.785	ug/l	97
12) 1,1-Dichloroethene	3.90	96	23133	10.771	ug/l	93
13) Acrolein	3.76	56	11007	55.322	ug/l	99
14) Allyl chloride	4.51	41	40585	11.960	ug/l	98
15) Acrylonitrile	5.19	53	35202	60.249	ug/l	100
16) Acetone	3.97	43	34075	52.981	ug/l	95
17) Carbon Disulfide	4.22	76	74466	10.780	ug/l	97
18) Methyl Acetate	4.51	43	16719	12.437	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	62078	10.707	ug/l	95
20) Methylene Chloride	4.75	84	28750	10.736	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	25478	10.607	ug/l	96
22) Diisopropyl ether	6.15	45	82029	12.127	ug/l	93
23) Vinyl Acetate	6.09	43	266831	61.262	ug/l	100
24) 1,1-Dichloroethane	6.05	63	43754	11.001	ug/l	98
25) 2-Butanone	7.01	43	49503	59.278	ug/l	97
26) 2,2-Dichloropropane	7.00	77	38917	10.388	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	28549	10.858	ug/l	99
28) Bromochloromethane	7.36	49	17128	12.202	ug/l	100
29) Tetrahydrofuran	7.37	42	31203	62.948	ug/l	99
30) Chloroform	7.53	83	43763	10.973	ug/l	95
31) Cyclohexane	7.80	56	48111	11.777	ug/l #	93
32) 1,1,1-Trichloroethane	7.72	97	36044	10.084	ug/l	98
36) 1,1-Dichloropropene	7.94	75	35173	10.588	ug/l	98
37) Ethyl Acetate	7.10	43	21411	12.674	ug/l	97
38) Carbon Tetrachloride	7.93	117	30575	9.663	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001636.D
 Acq On : 17 Feb 2020 10:24
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:47 AM

Quant Time: Feb 17 12:10:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	46813	10.716	ug/l	96
40) Benzene	8.18	78	103488	10.862	ug/l	99
41) Methacrylonitrile	7.34	41	11409m	15.084	ug/l	
42) 1,2-Dichloroethane	8.25	62	28369	10.672	ug/l	99
43) Isopropyl Acetate	8.29	43	40048	12.017	ug/l	99
44) Trichloroethene	8.96	130	26035	10.267	ug/l	94
45) 1,2-Dichloropropane	9.23	63	25423	10.969	ug/l	97
46) Dibromomethane	9.32	93	13615	10.550	ug/l	99
47) Bromodichloromethane	9.51	83	31971	10.216	ug/l	100
48) Methyl methacrylate	9.31	41	17604	11.665	ug/l	96
49) 1,4-Dioxane	9.31	88	3618	208.156	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	102664	61.854	ug/l	98
52) Toluene	10.25	92	64835	10.724	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	35206	10.232	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	40821	10.394	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	20232	10.855	ug/l	99
56) Ethyl methacrylate	10.52	69	28762	10.703	ug/l	97
57) 1,3-Dichloropropane	10.80	76	35652	10.816	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	75400	77.596	ug/l	100
59) 2-Hexanone	10.84	43	73992	60.396	ug/l	100
60) Dibromochloromethane	10.99	129	21574	9.930	ug/l	97
61) 1,2-Dibromoethane	11.10	107	18644	10.214	ug/l	99
64) Tetrachloroethene	10.73	164	21488	10.218	ug/l	97
65) Chlorobenzene	11.52	112	66760	10.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	23030	10.378	ug/l	100
67) Ethyl Benzene	11.60	91	123013	10.429	ug/l	99
68) m/p-Xylenes	11.71	106	93215	21.040	ug/l	97
69) o-Xylene	12.03	106	43490	10.402	ug/l	98
70) Styrene	12.05	104	74862	10.328	ug/l	99
71) Bromoform	12.22	173	12177	9.737	ug/l #	100
73) Isopropylbenzene	12.34	105	117751	10.221	ug/l	99
74) N-amyl acetate	12.15	43	37029	11.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	24678	10.906	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	18345m	11.268	ug/l	
77) Bromobenzene	12.61	156	25787	10.345	ug/l	99
78) n-propylbenzene	12.68	91	143029	10.308	ug/l	100
79) 2-Chlorotoluene	12.76	91	80041	10.166	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	97987	10.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	8474	9.747	ug/l	88
82) 4-Chlorotoluene	12.86	91	83255	10.030	ug/l	97
83) tert-Butylbenzene	13.08	119	82453	10.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	97170	10.102	ug/l	99
85) sec-Butylbenzene	13.26	105	119036	10.282	ug/l	100
86) p-Isopropyltoluene	13.38	119	107752	10.569	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	51671	10.744	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	51034	10.598	ug/l	99
89) n-Butylbenzene	13.70	91	105687	10.442	ug/l	99
90) Hexachloroethane	13.97	117	19334	9.898	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	46262	10.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	3993	9.714	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
Data File : VY001636.D
Acq On : 17 Feb 2020 10:24
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

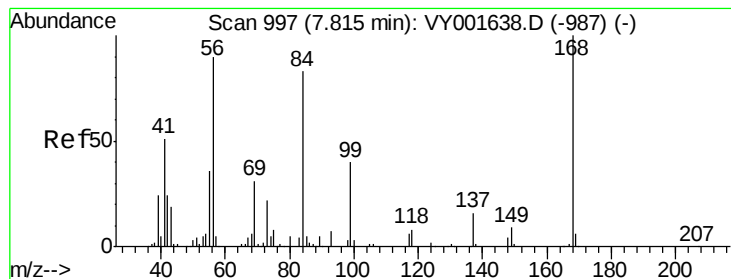
Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM

Quant Time: Feb 17 12:10:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 11:55:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	31186	10.599	ug/l	99
94) Hexachlorobutadiene	15.12	225	15877	10.744	ug/l	98
95) Naphthalene	15.24	128	68254	9.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	27085	10.400	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 204042

Ion Ratio Lower Upper

168 100

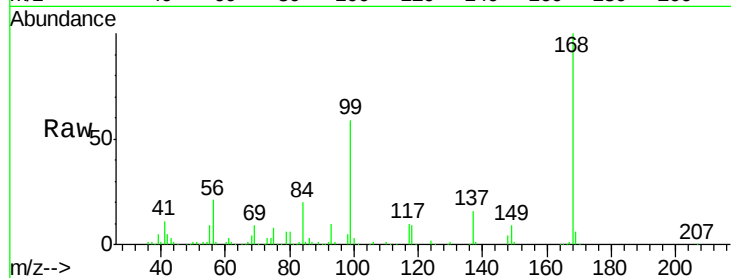
99 59.2 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001636.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001636.D (-948) (-)

7.81

100000

80000

60000

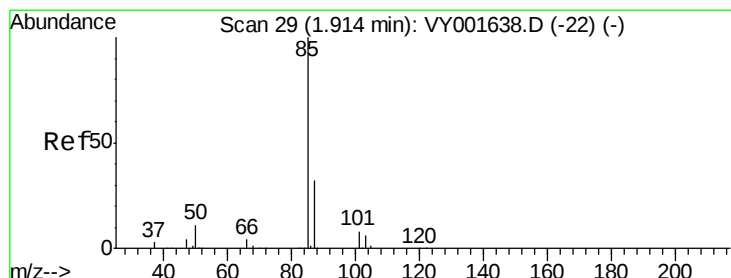
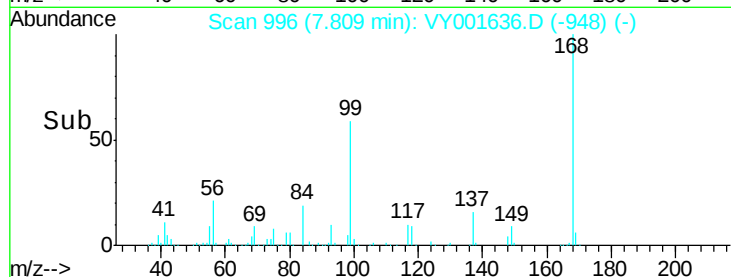
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 9.251 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001636.D

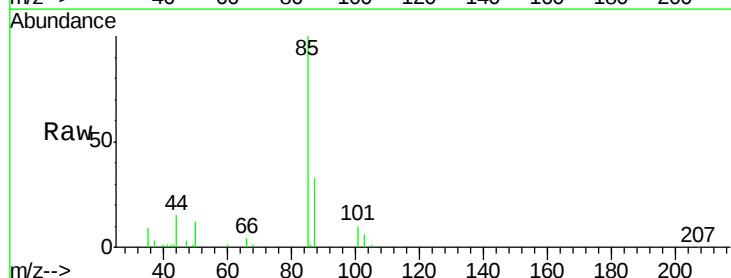
Acq: 17 Feb 2020 10:24

Tgt Ion: 85 Resp: 18598

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VY001636.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001636.D (-1) (-)

15000

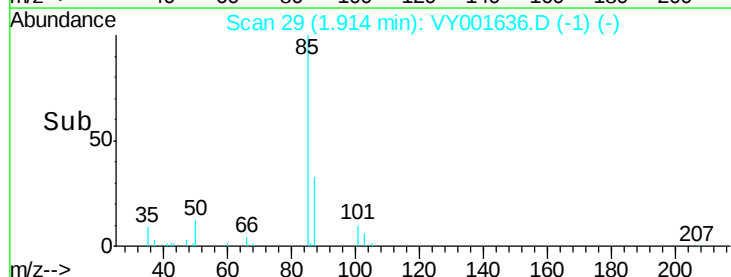
10000

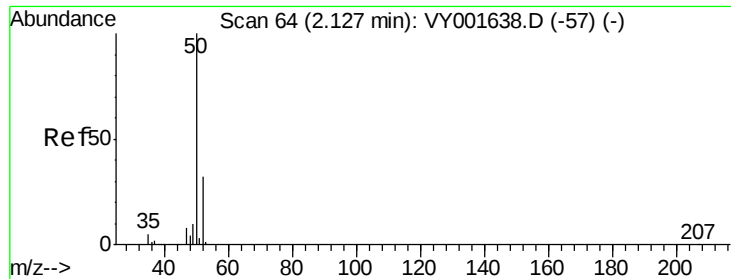
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 12.414 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 27222

Ion Ratio Lower Upper

50 100

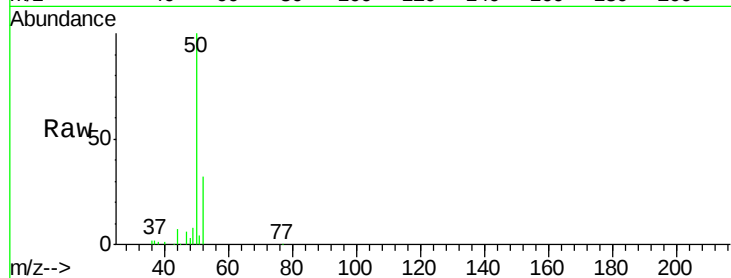
52 32.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

20000

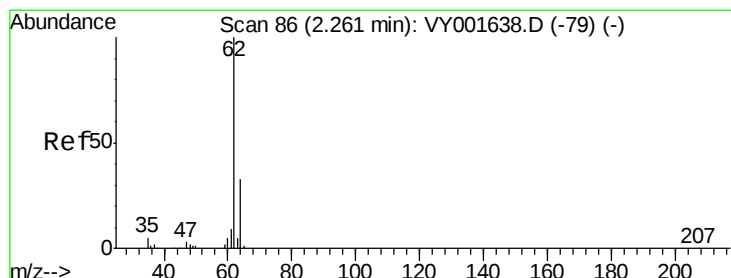
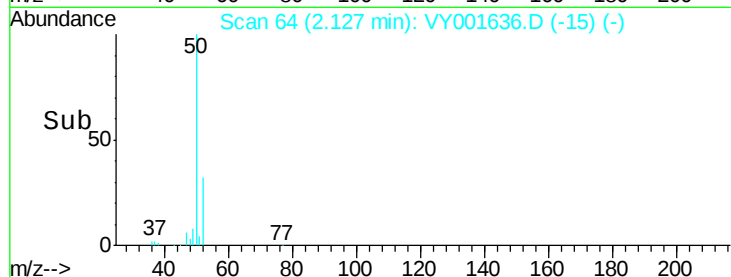
15000

10000

5000

0

Time--> 2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 12.054 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001636.D

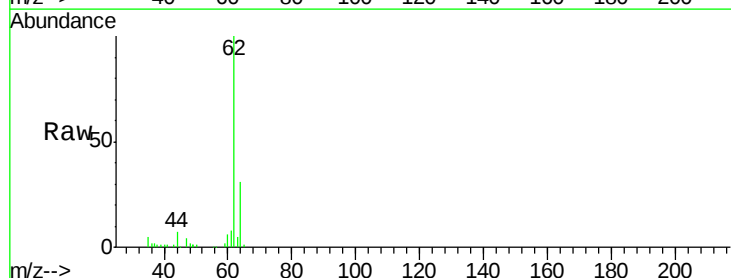
Acq: 17 Feb 2020 10:24

Tgt Ion: 62 Resp: 27239

Ion Ratio Lower Upper

62 100

64 30.5 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

20000

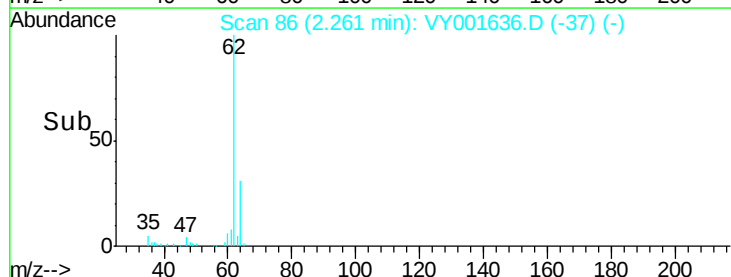
15000

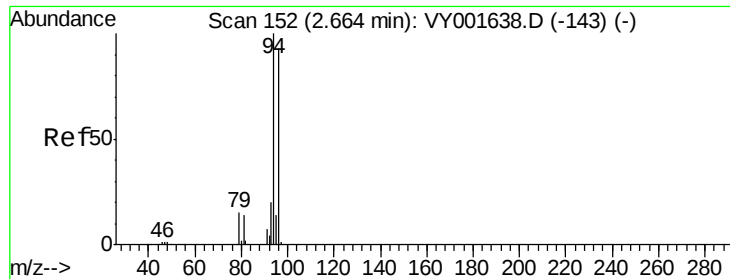
10000

5000

0

Time--> 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 12.817 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 18146

Ion Ratio Lower Upper

94 100

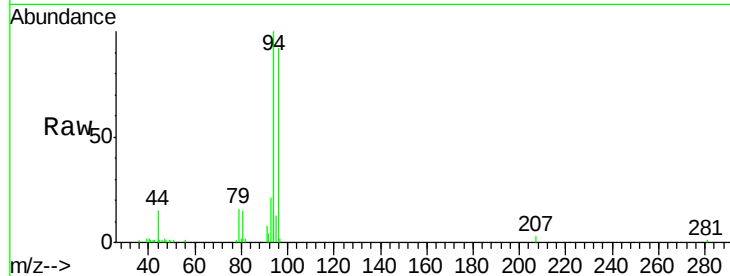
96 92.2 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

10000

8000

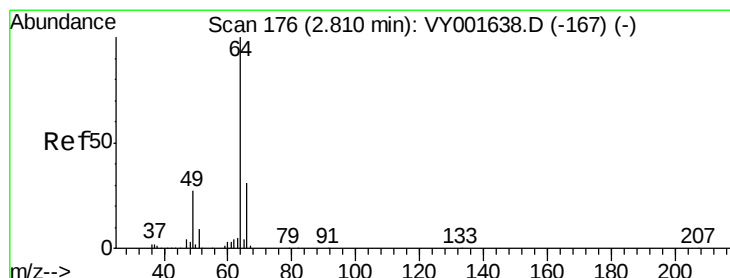
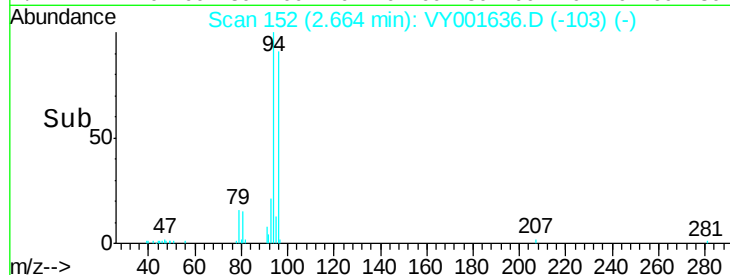
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 12.479 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001636.D

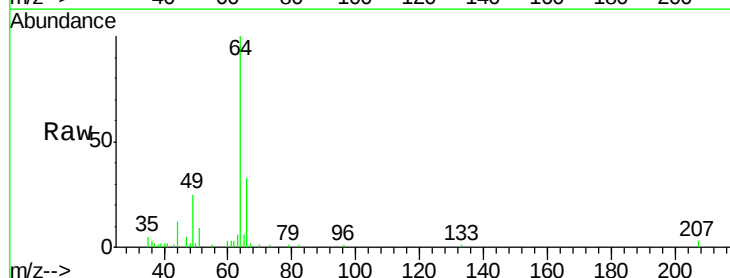
Acq: 17 Feb 2020 10:24

Tgt Ion: 64 Resp: 17006

Ion Ratio Lower Upper

64 100

66 33.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

8000

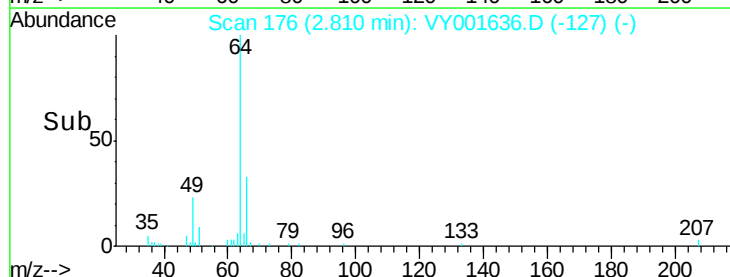
6000

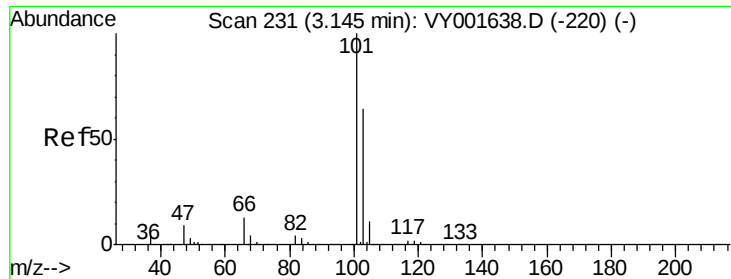
4000

2000

0

Time-->





#7

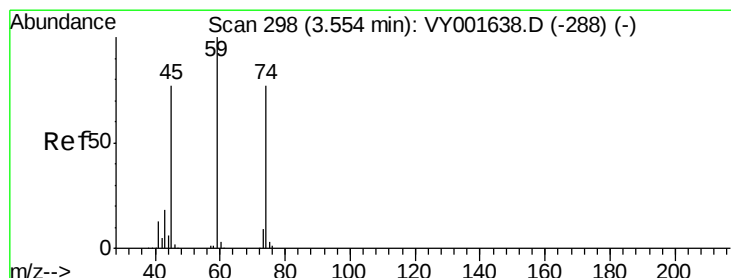
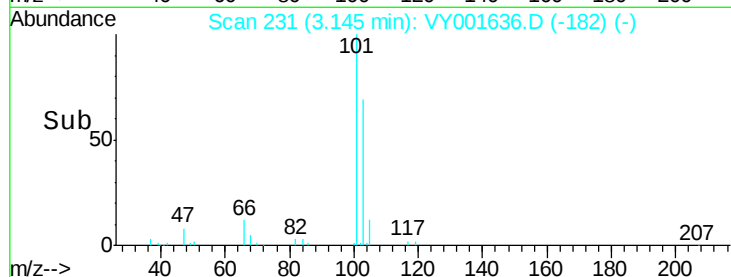
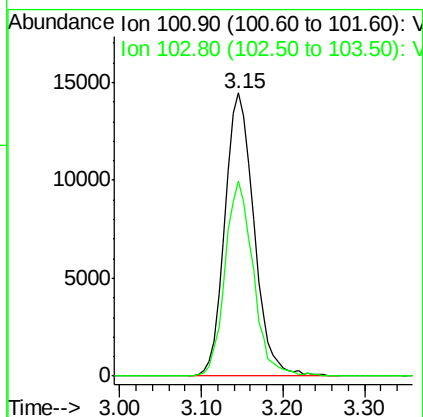
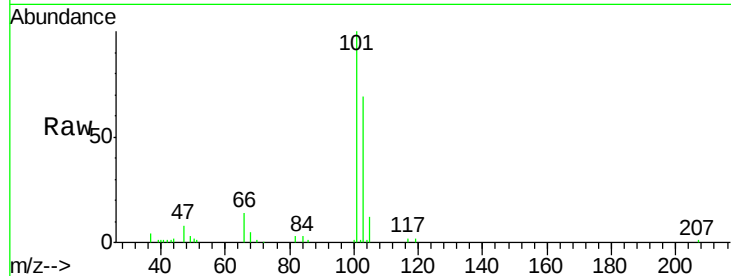
Trichlorofluoromethane
Concen: 10.011 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	51.6	77.4

Manual Integrations
APPROVED

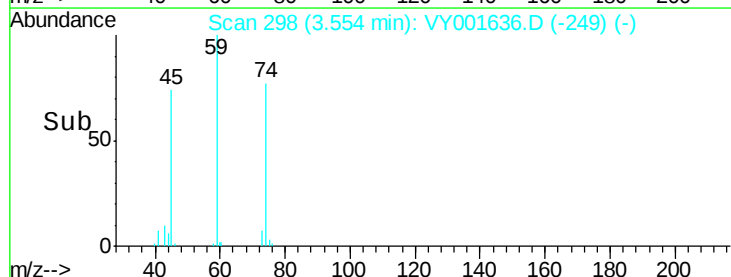
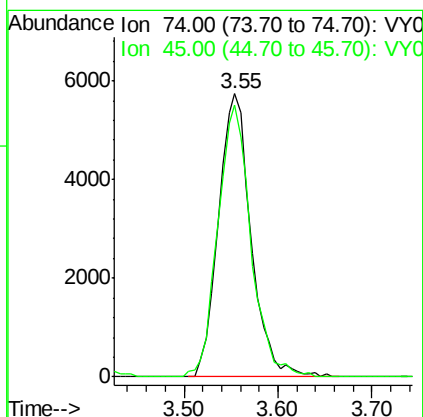
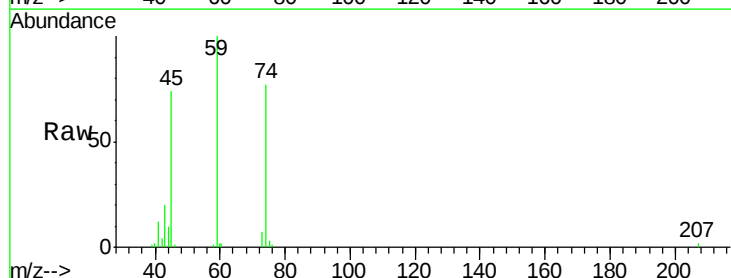
MMDadoda
2/19/2020 10:49:47 AM

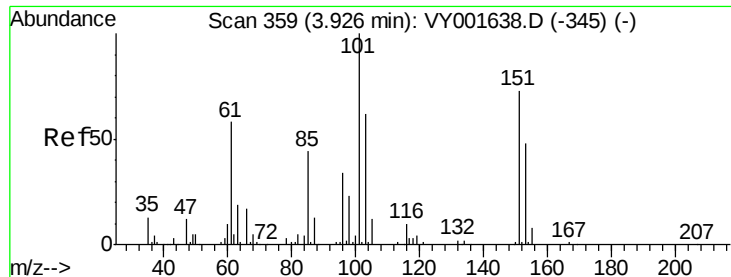


#8

Diethyl Ether
Concen: 11.156 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.087 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

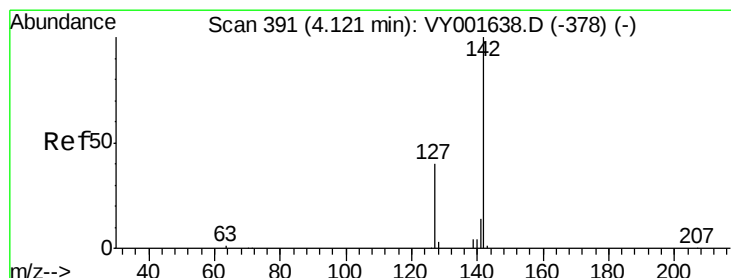
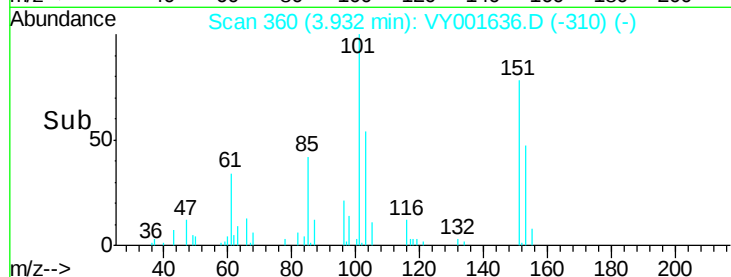
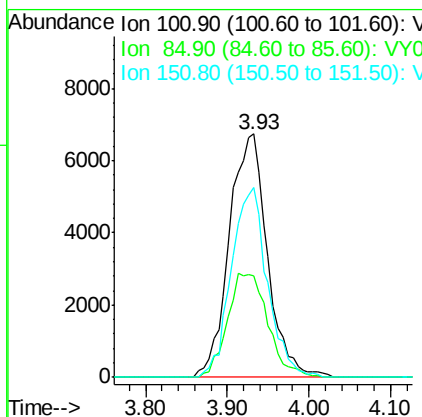
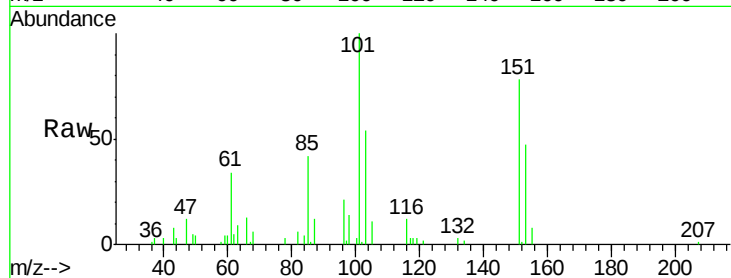
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	21761
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.6	52.0
151	74.0	58.6	88.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#10

Methyl Iodide

Concen: 9.289 ug/l

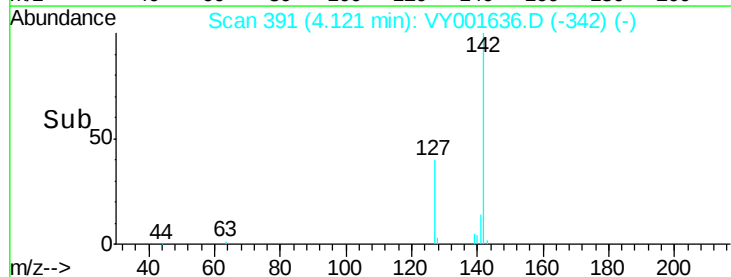
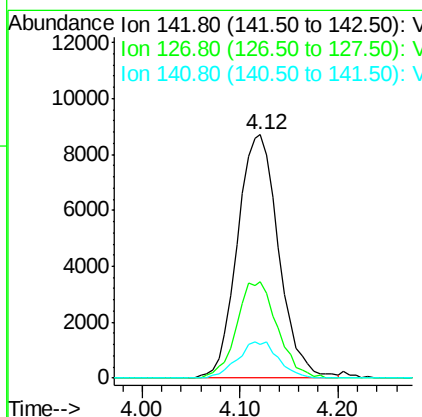
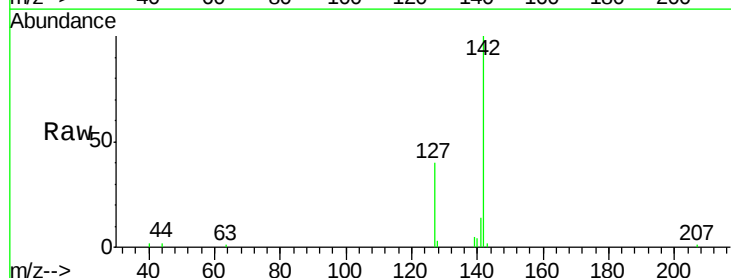
RT: 4.12 min Scan# 391

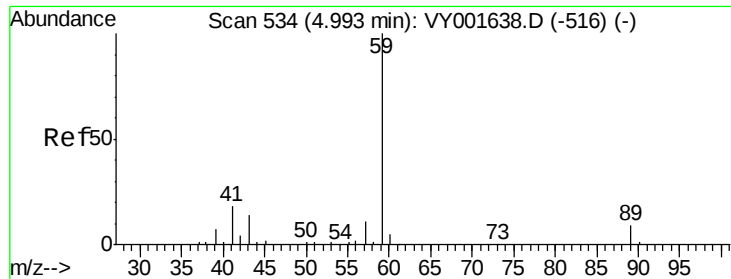
Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion:	142	Resp:	25493
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.8	47.8
141	14.6	11.3	16.9





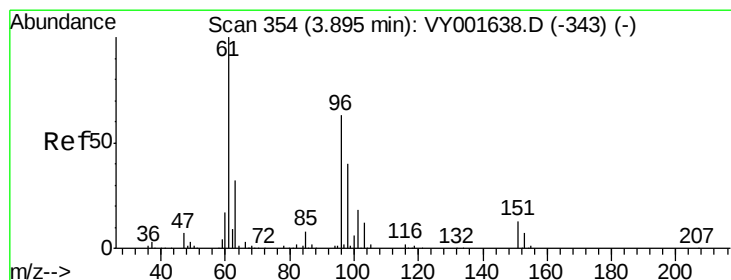
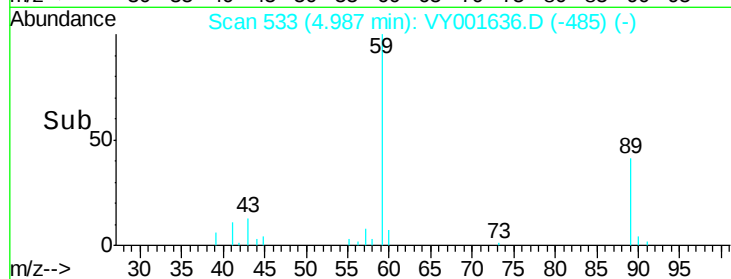
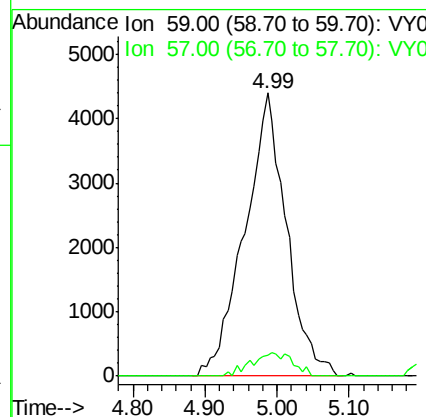
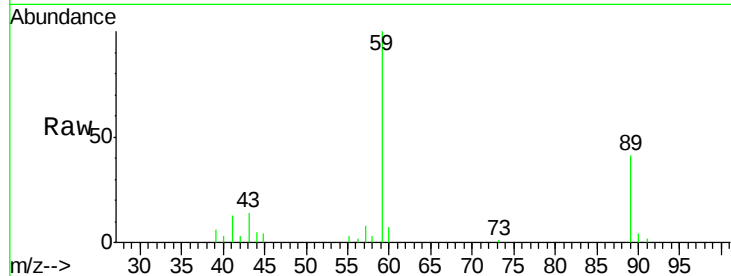
#11
Tert butyl alcohol
Concen: 54.785 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	59	Resp	17645
Ion Ratio	100	Lower	Upper
57	8.2	7.4	11.2

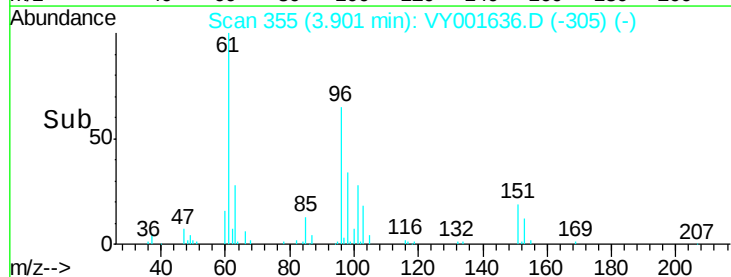
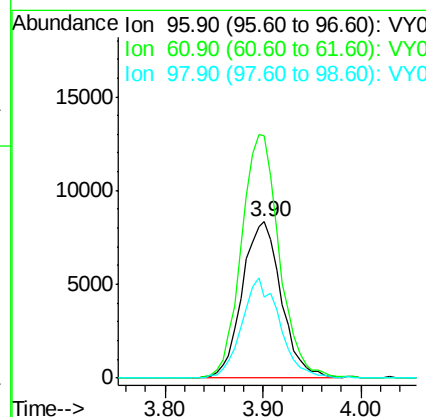
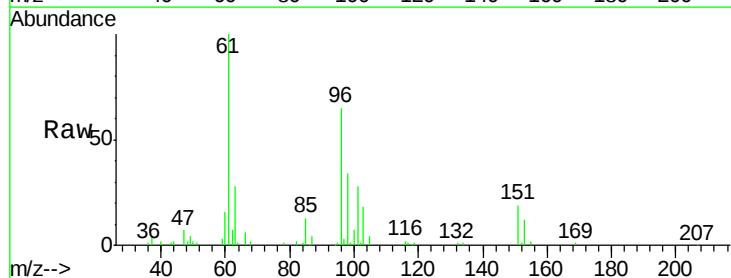
Manual Integrations
APPROVED

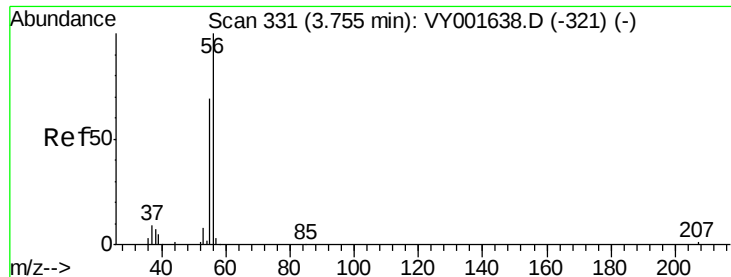
MMDadoda
2/19/2020 10:49:47 AM



#12
1,1-Dichloroethene
Concen: 10.771 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	96	Resp	23133
Ion Ratio	100	Lower	Upper
61	154.7	127.9	191.9
98	52.2	51.0	76.4





#13

Acrolein

Concen: 55.322 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 11007

Ion Ratio Lower Upper

56 100

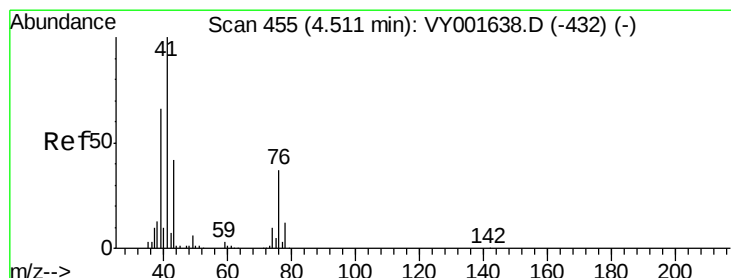
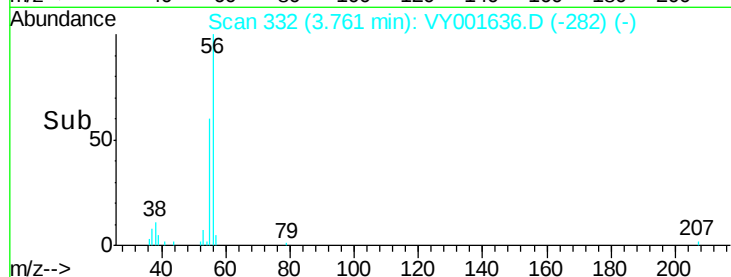
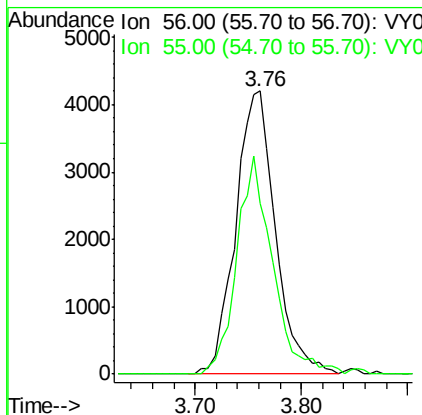
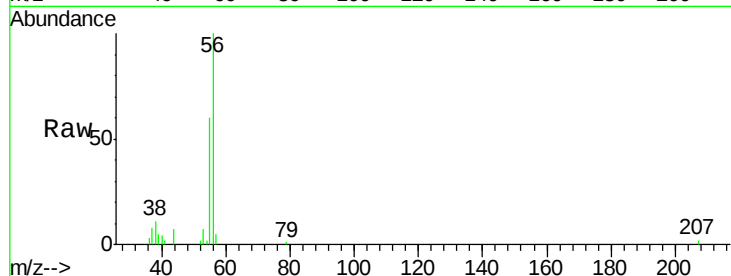
55 69.6 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



#14

Allyl chloride

Concen: 11.960 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

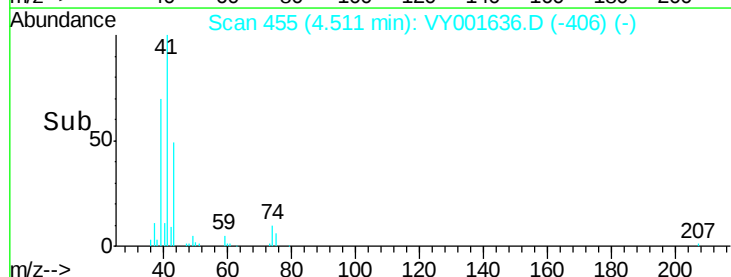
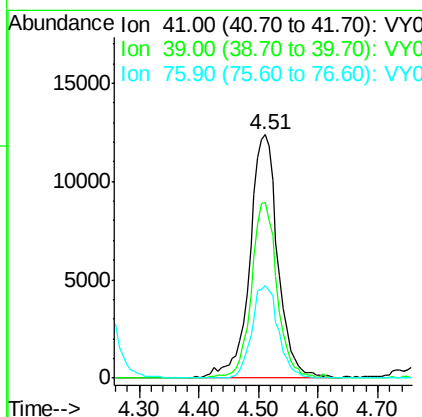
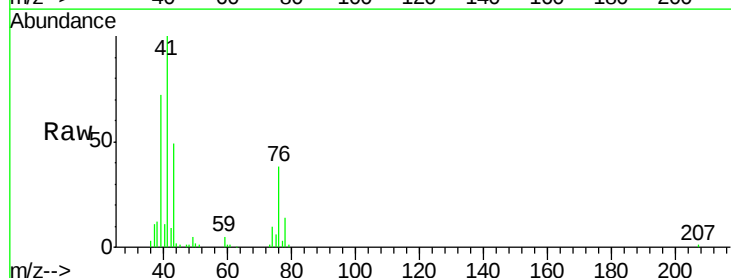
Tgt Ion: 41 Resp: 40585

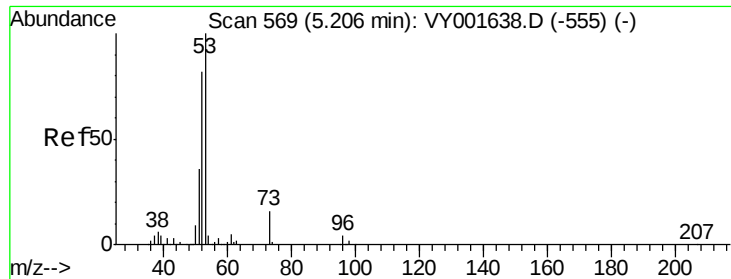
Ion Ratio Lower Upper

41 100

39 66.1 51.0 76.4

76 35.6 28.2 42.4





#15

Acrylonitrile

Concen: 60.249 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

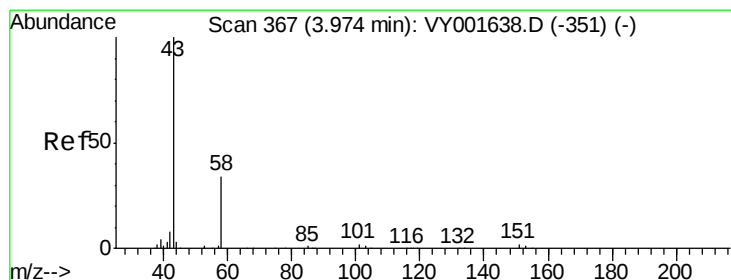
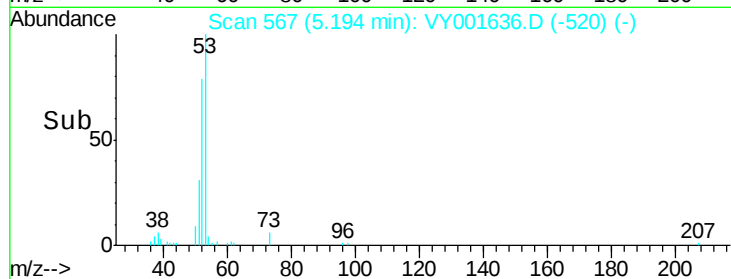
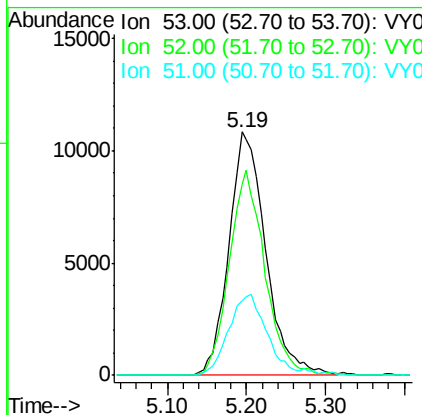
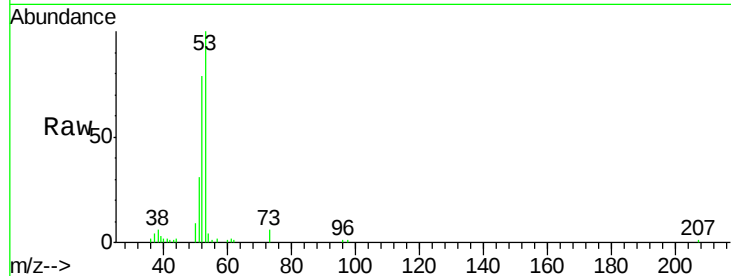
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	35202
Ion Ratio	Lower	Upper	
53	100		
52	81.1	64.9	97.3
51	35.3	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#16

Acetone

Concen: 52.981 ug/l

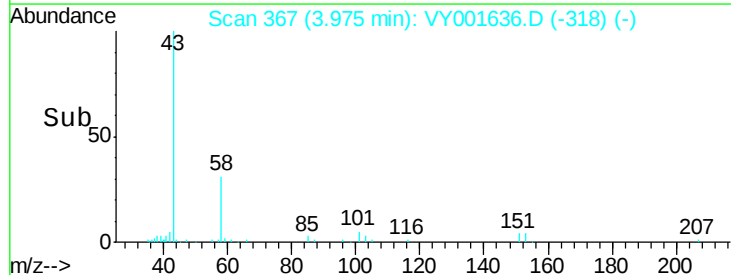
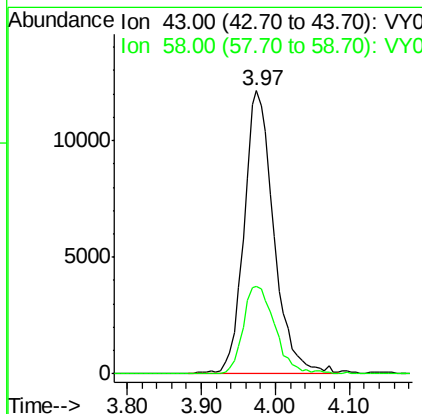
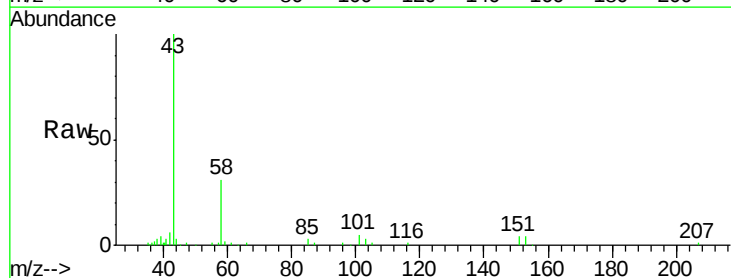
RT: 3.97 min Scan# 367

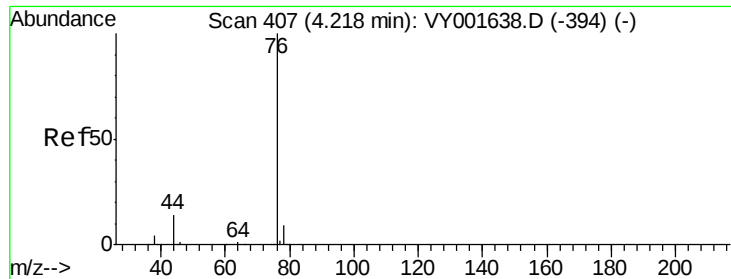
Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion:	43	Resp:	34075
Ion Ratio	Lower	Upper	
43	100		
58	30.8	27.0	40.4





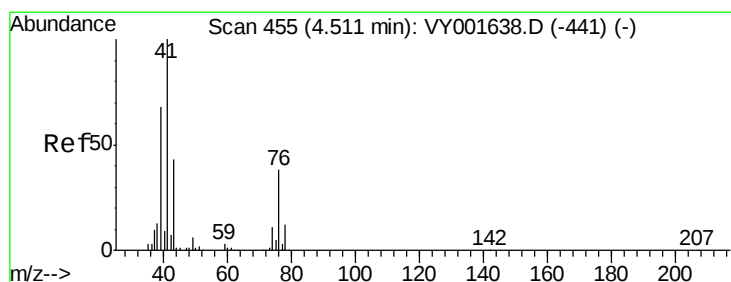
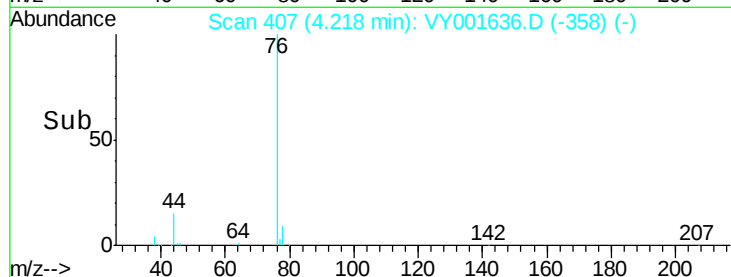
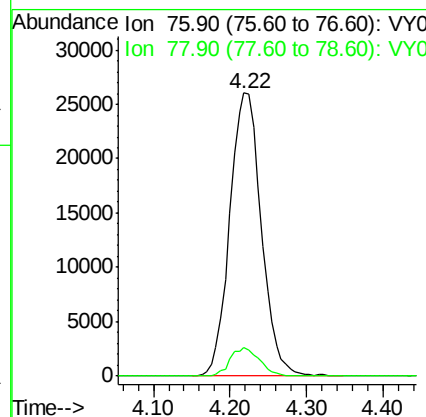
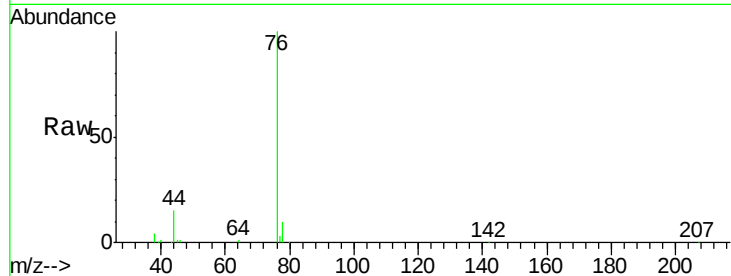
#17
Carbon Disulfide
Concen: 10.780 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 74466
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8

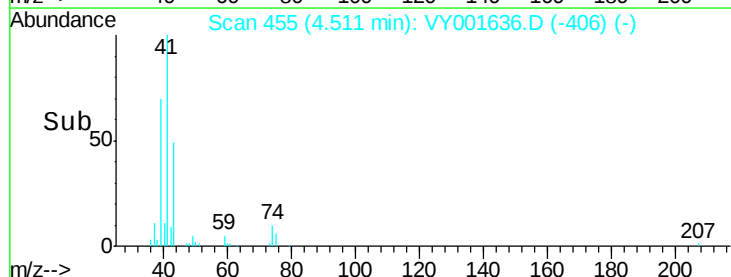
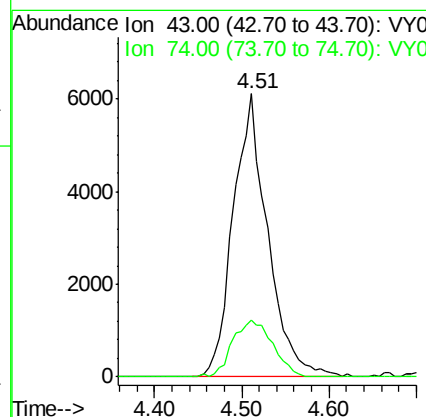
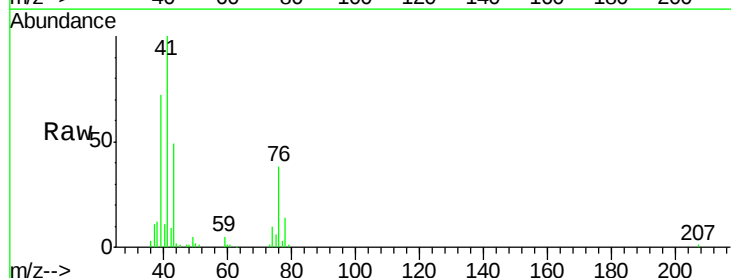
Manual Integrations
APPROVED

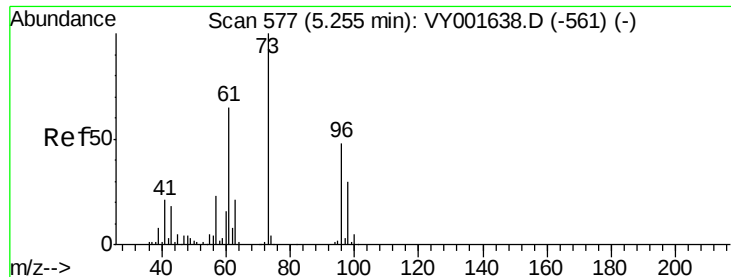
MMDadoda
2/19/2020 10:49:47 AM



#18
Methyl Acetate
Concen: 12.437 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion: 43 Resp: 16719
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.4





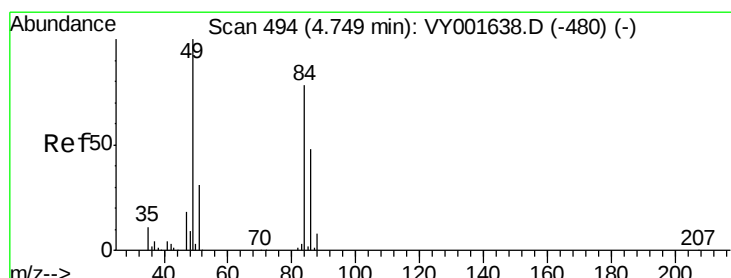
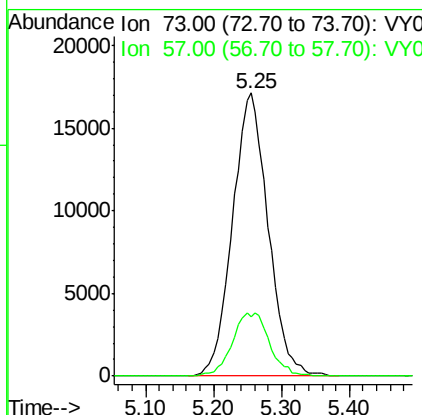
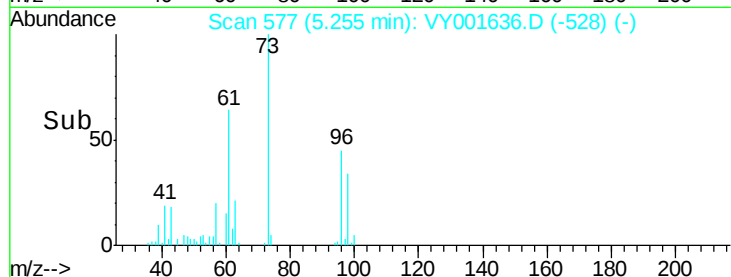
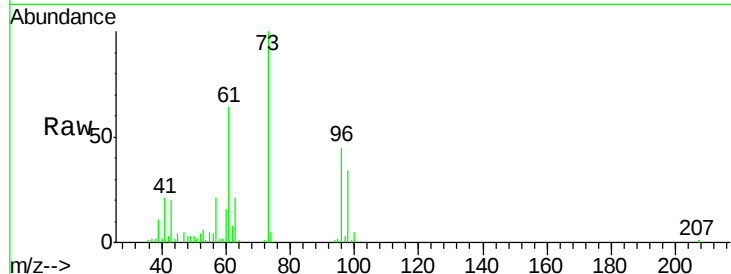
#19
Methvl tert-butvl Ether
Concen: 10.707 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 62078
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

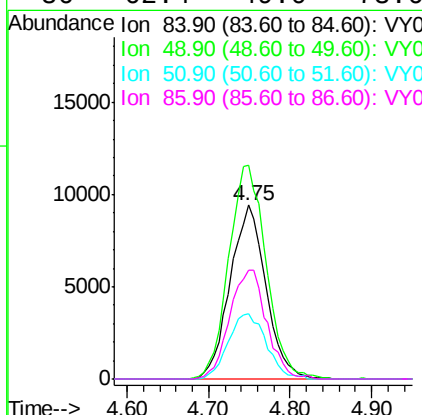
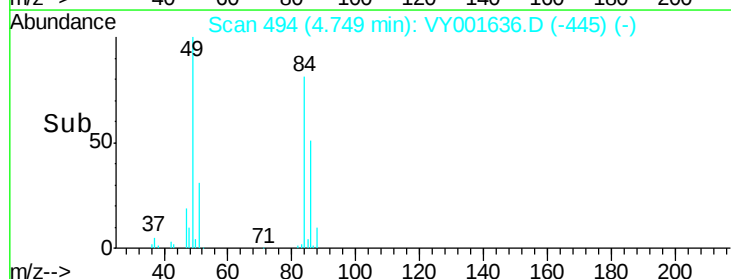
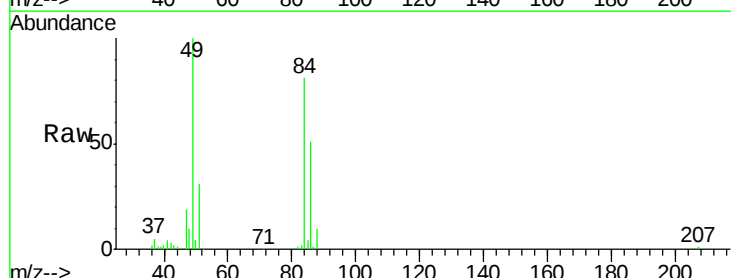
Manual Integrations
APPROVED

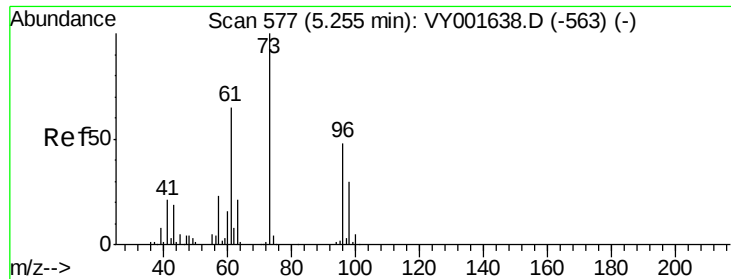
MMDadoda
2/19/2020 10:49:47 AM



#20
Methylene Chloride
Concen: 10.736 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion: 84 Resp: 28750
Ion Ratio Lower Upper
84 100
49 122.8 102.3 153.5
51 37.7 31.4 47.2
86 62.4 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 10.607 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 25478

Ion Ratio Lower Upper

96 100

61 142.3 109.0 163.4

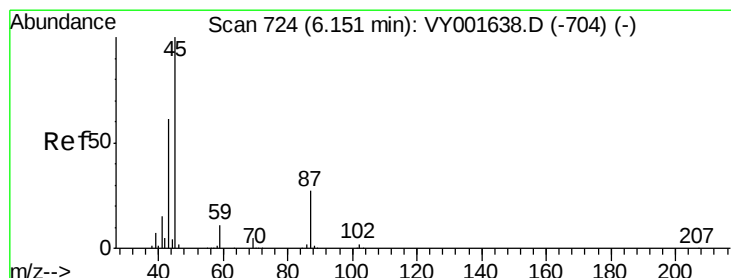
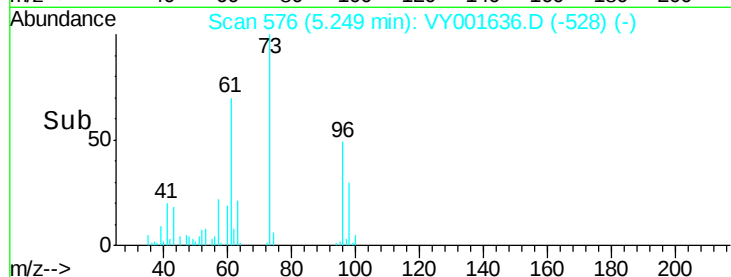
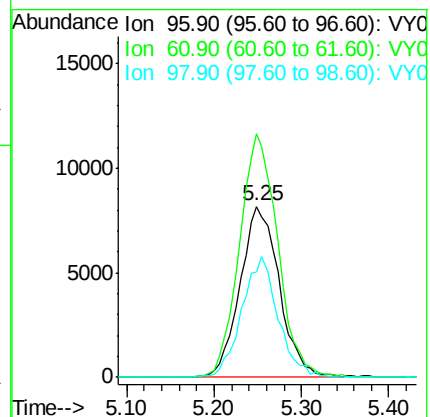
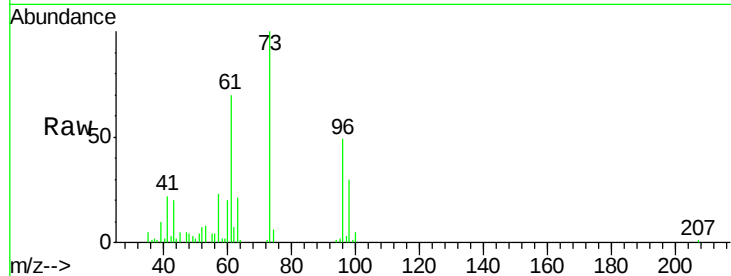
98 61.9 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



#22

Diisopropyl ether

Concen: 12.127 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion: 45 Resp: 82029

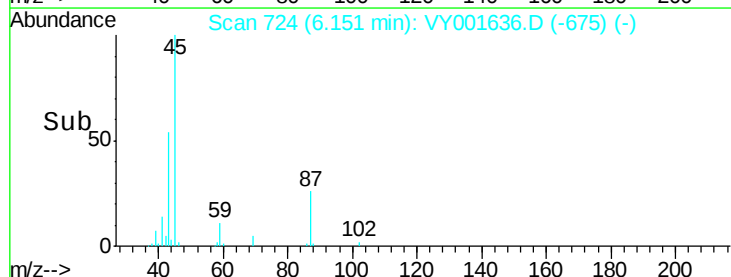
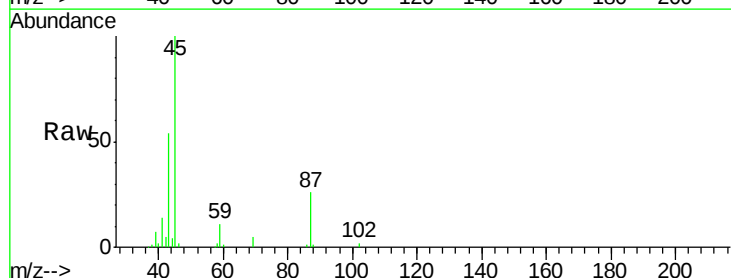
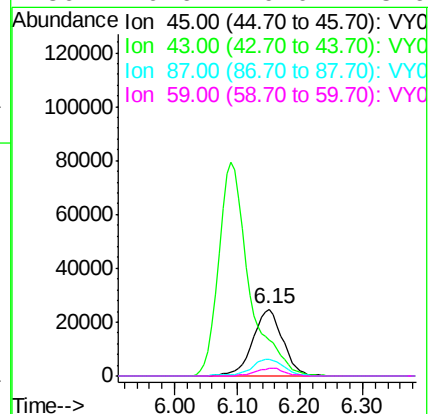
Ion Ratio Lower Upper

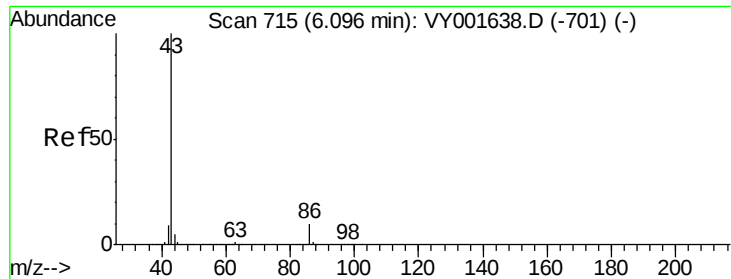
45 100

43 53.3 48.6 72.8

87 25.3 21.7 32.5

59 10.6 9.0 13.6





#23

Vinyl Acetate

Concen: 61.262 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 266831

Ion Ratio Lower Upper

43 100

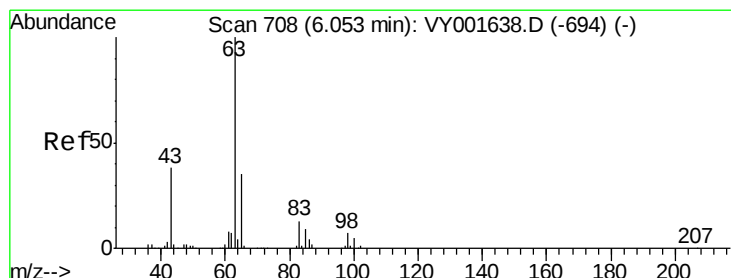
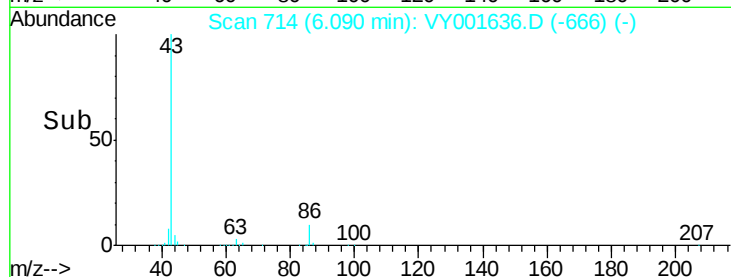
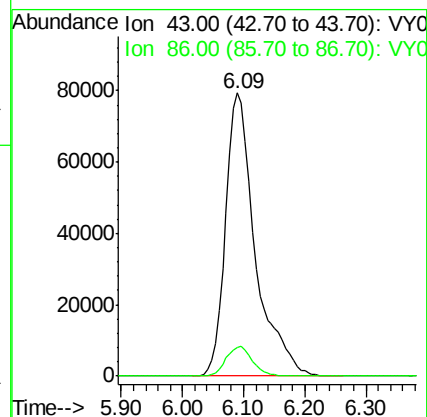
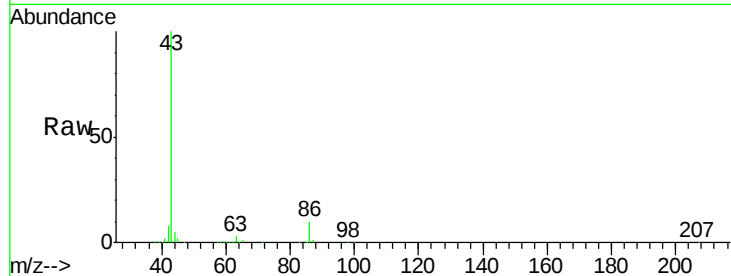
86 10.2 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



#24

1,1-Dichloroethane

Concen: 11.001 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

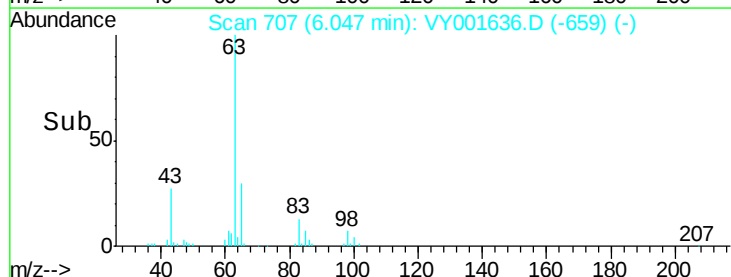
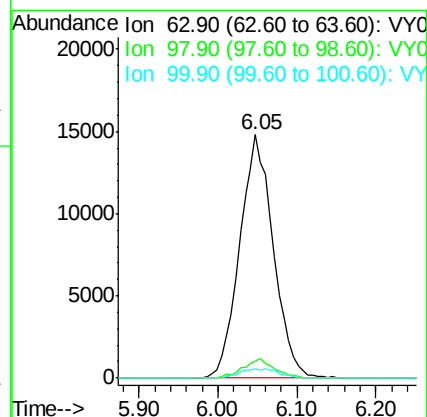
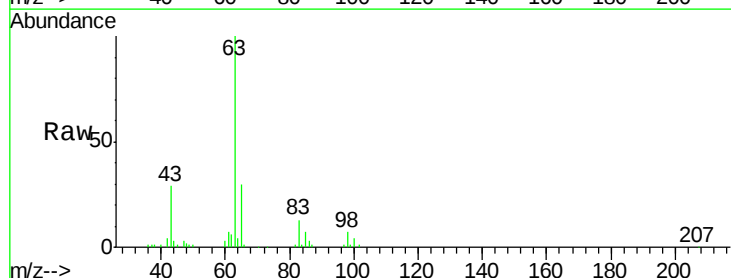
Tgt Ion: 63 Resp: 43754

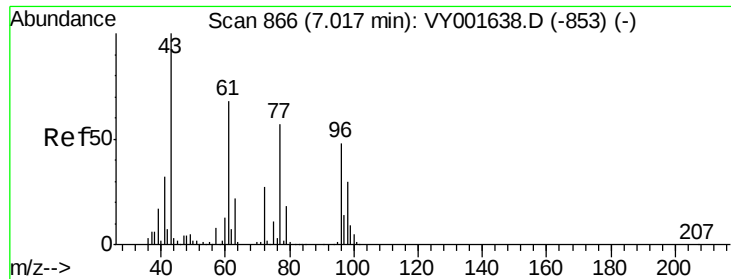
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 59.278 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 49503

Ion Ratio Lower Upper

43 100

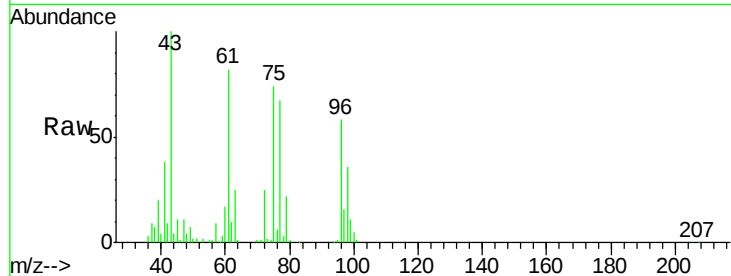
72 24.9 21.3 31.9

Manual Integrations

APPROVED

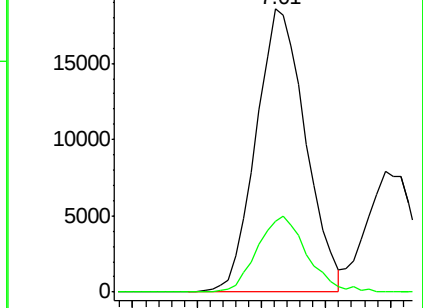
MMDadoda

2/19/2020 10:49:47 AM

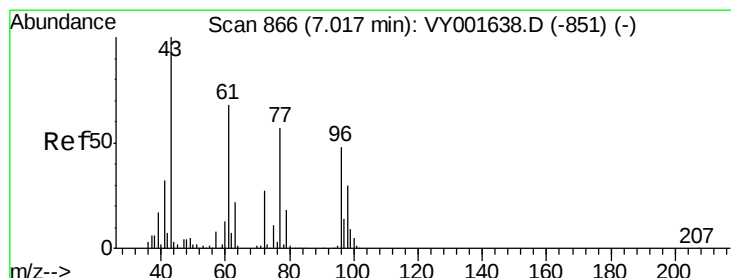
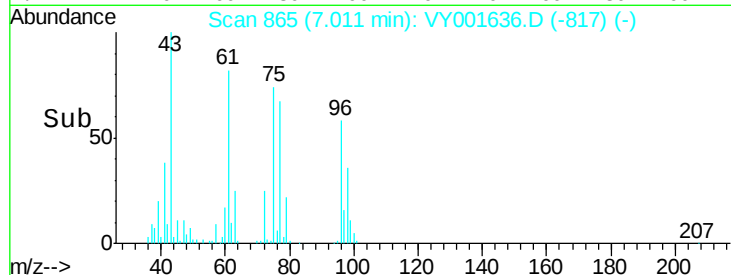


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#26

2,2-Dichloropropane

Concen: 10.388 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001636.D

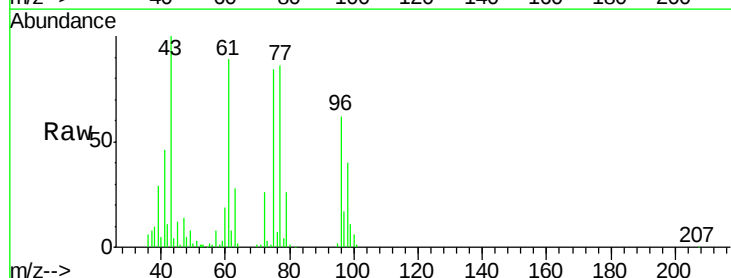
Acq: 17 Feb 2020 10:24

Tgt Ion: 77 Resp: 38917

Ion Ratio Lower Upper

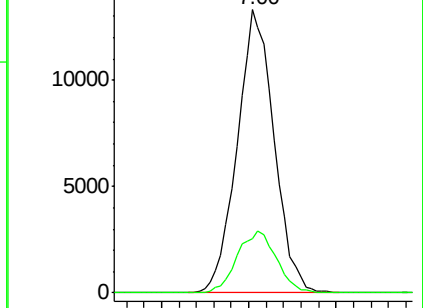
77 100

97 23.2 11.9 35.5

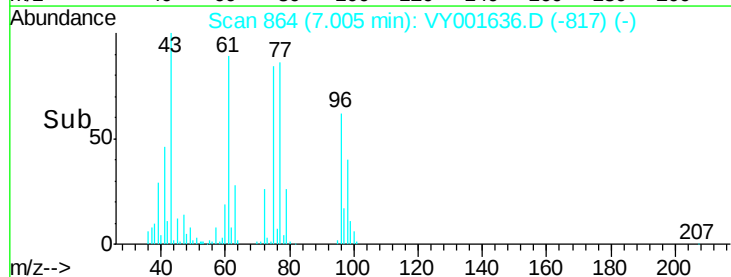


Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->





#27

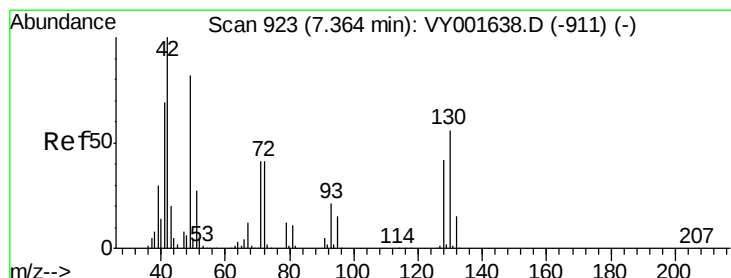
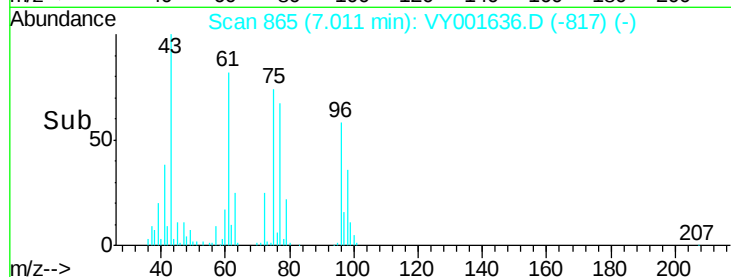
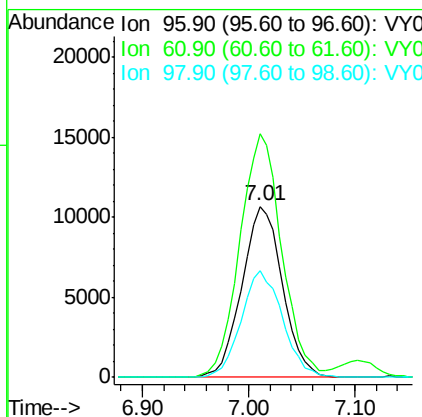
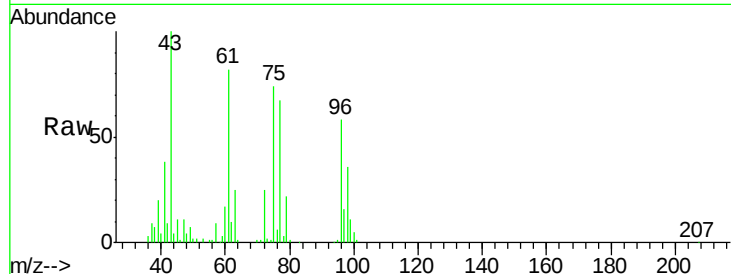
cis-1,2-Dichloroethene
Concen: 10.858 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	28549		
61	147.0	0.0	291.4	
98	63.7	0.0	128.6	

Manual Integrations
APPROVED

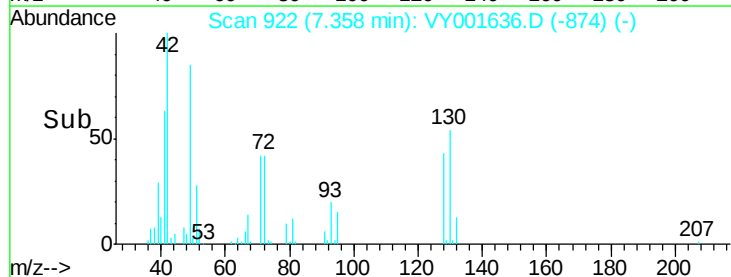
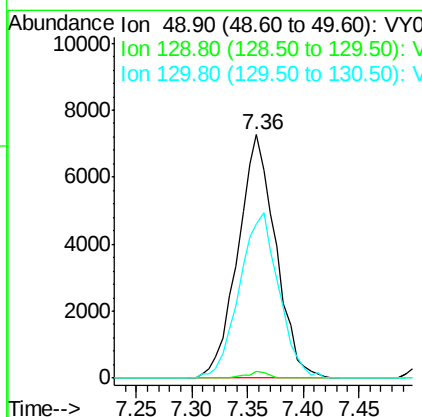
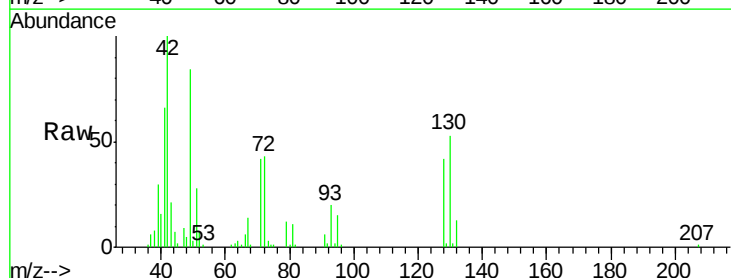
MMDadoda
2/19/2020 10:49:47 AM

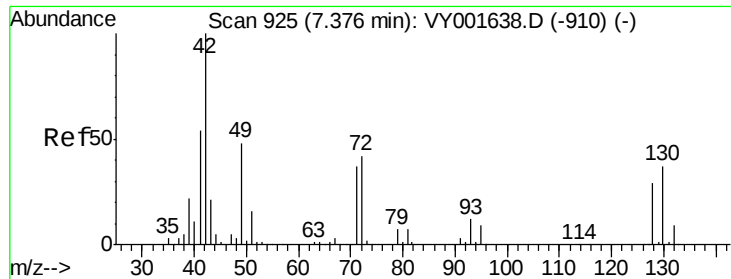


#28

Bromochloromethane
Concen: 12.202 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17128		
129	1.5	0.0	4.0	
130	70.6	56.4	84.6	





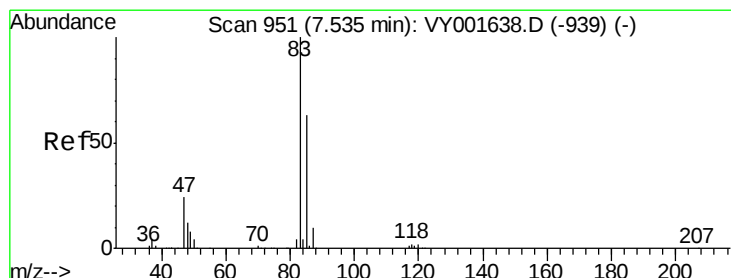
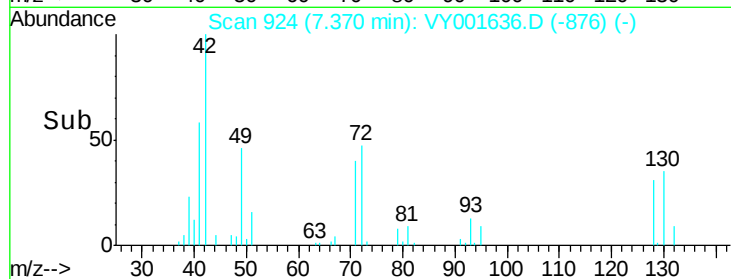
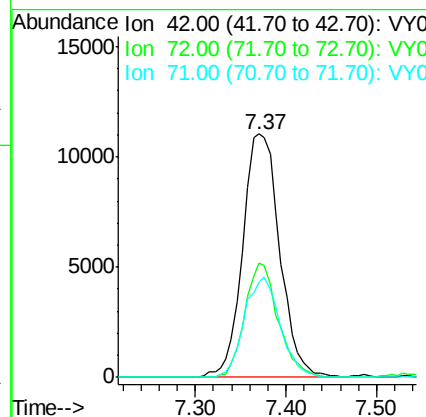
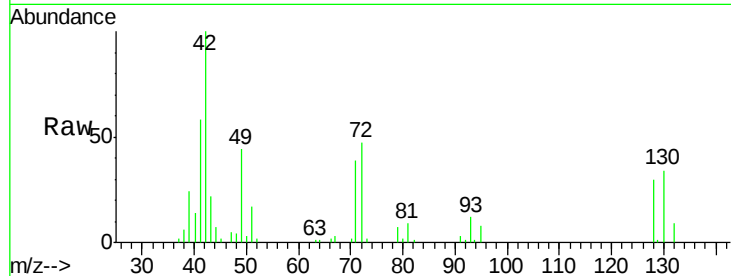
#29
Tetrahydrofuran
Concen: 62.948 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.2	49.8
71	39.6	31.0	46.6

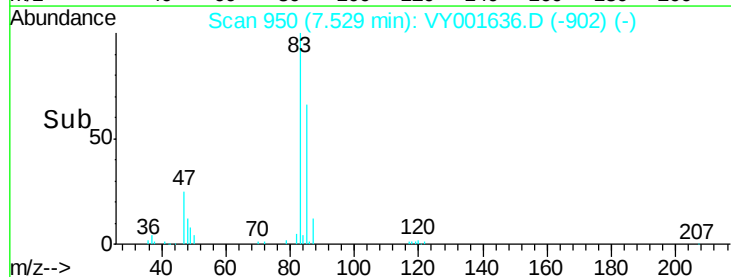
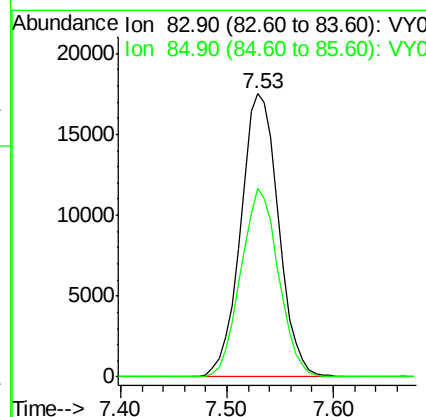
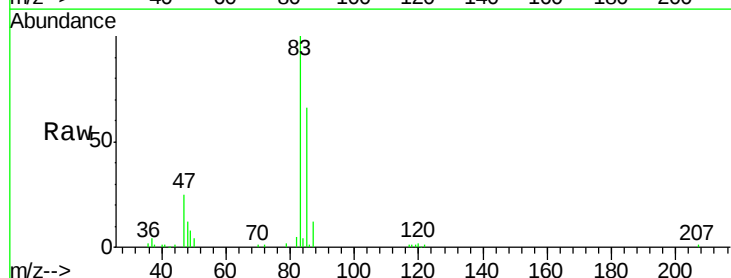
Manual Integrations
APPROVED

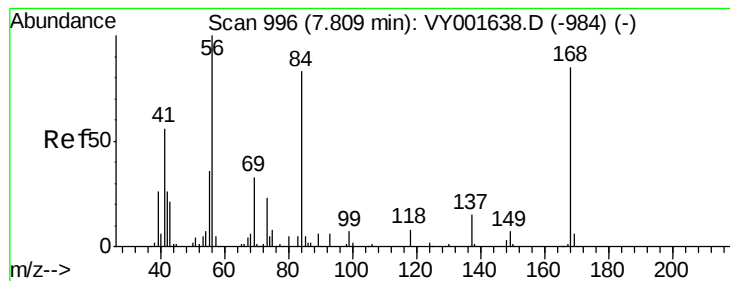
MMDadoda
2/19/2020 10:49:47 AM



#30
Chloroform
Concen: 10.973 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.2	75.4





#31

Cyclohexane

Concen: 11.777 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

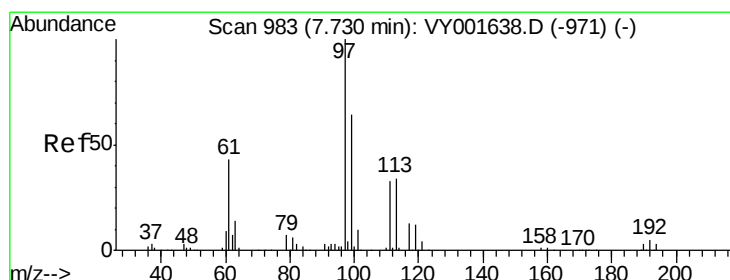
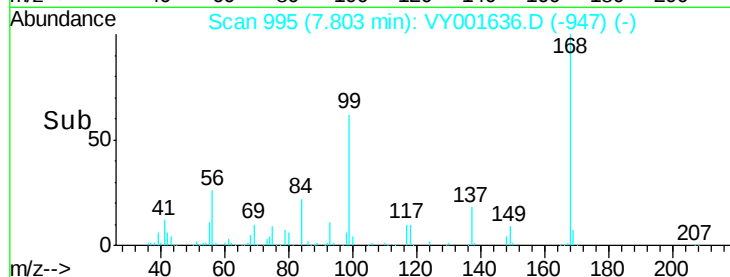
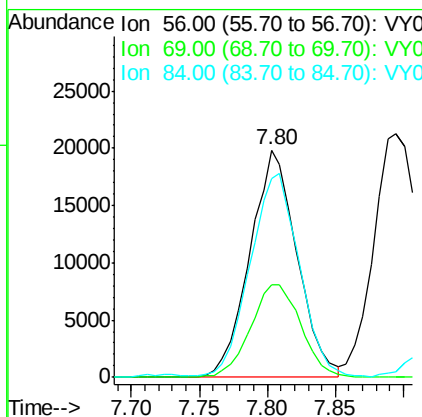
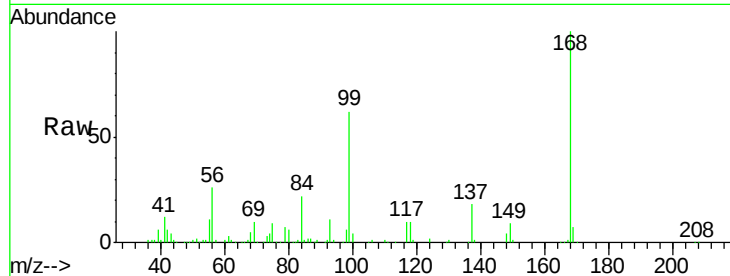
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	48111
Ion Ratio	Lower	Upper	
56	100		
69	40.7	26.3	39.5#
84	86.7	66.6	99.8

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#32

1,1,1-Trichloroethane

Concen: 10.084 ug/l

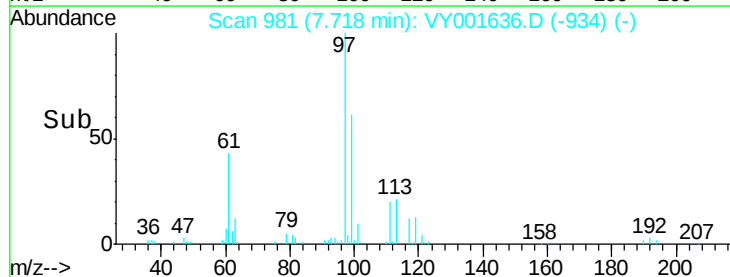
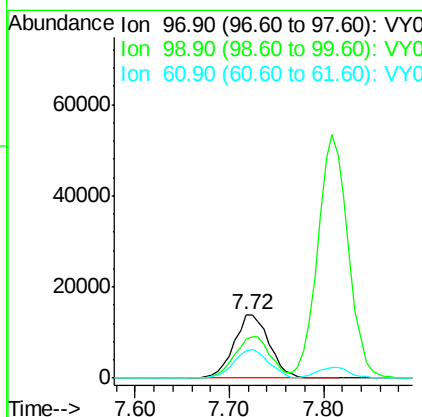
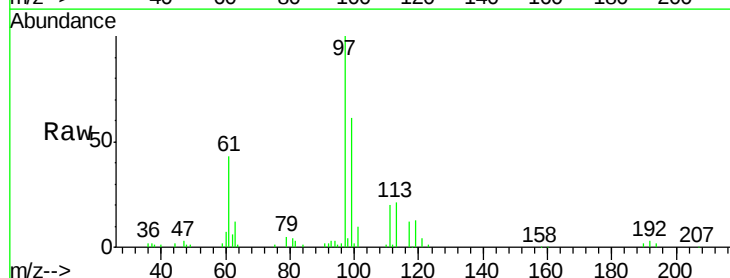
RT: 7.72 min Scan# 981

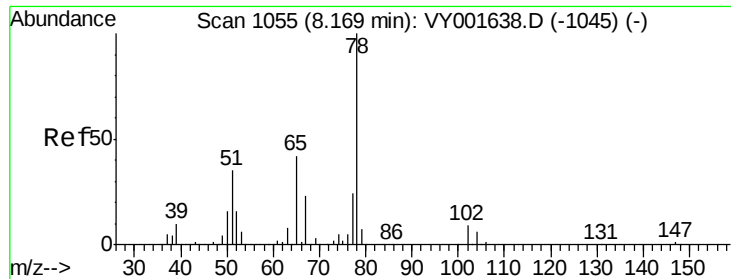
Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion:	97	Resp:	36044
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.3	76.9
61	44.9	35.2	52.8





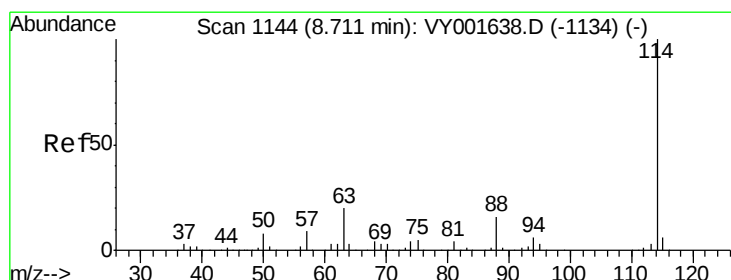
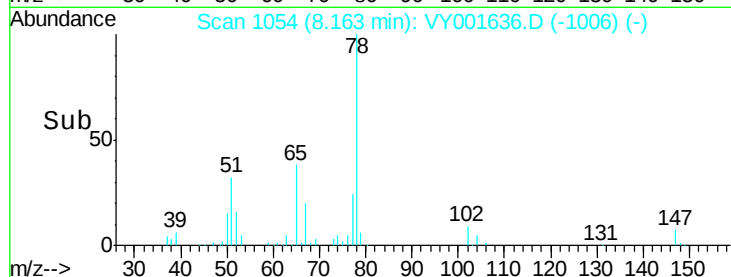
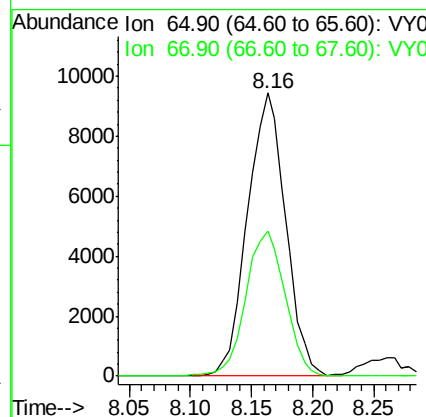
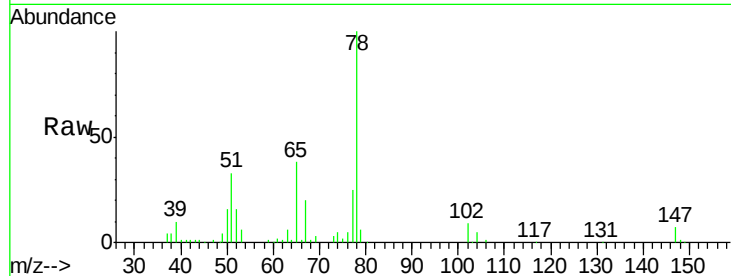
#33
 1,2-Dichloroethane-d4
 Concen: 9.855 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	109.8

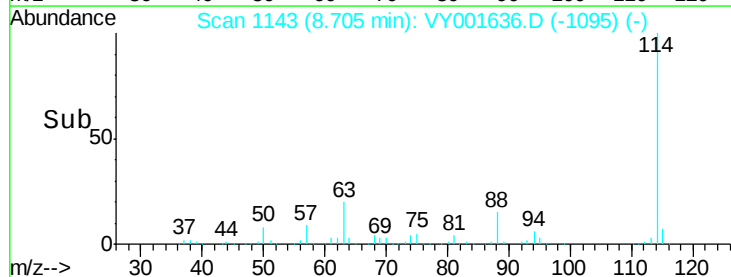
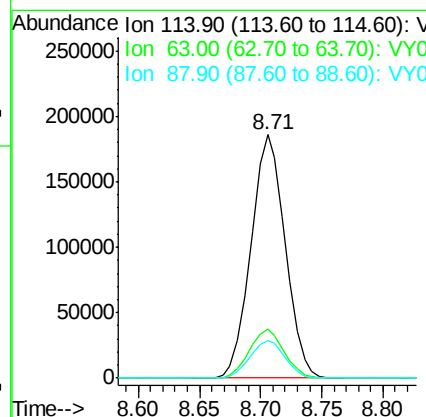
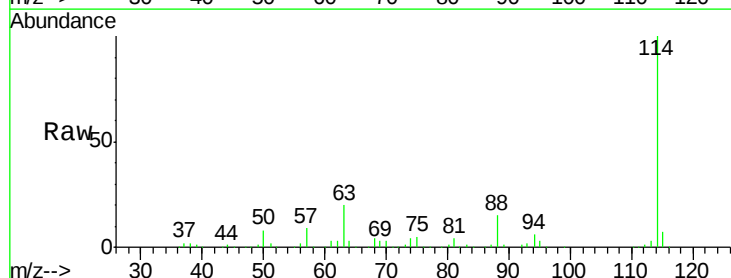
Manual Integrations
 APPROVED

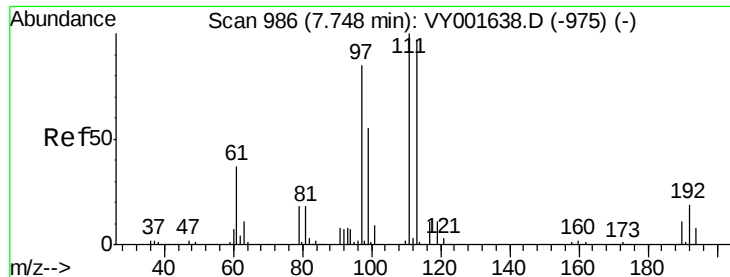
MMDadoda
 2/19/2020 10:49:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	15.4	0.0	32.2





#35

Dibromofluoromethane

Concen: 9.881 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

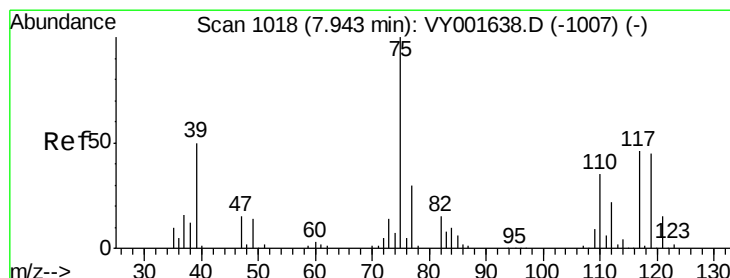
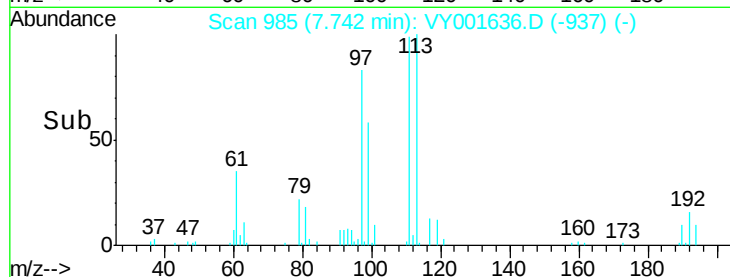
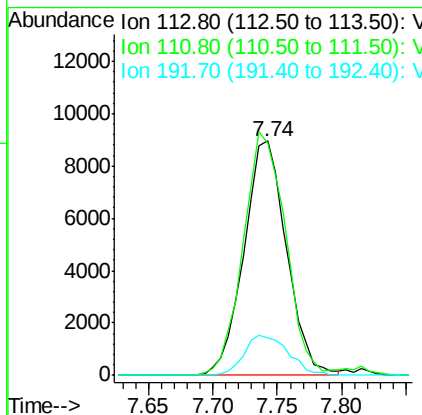
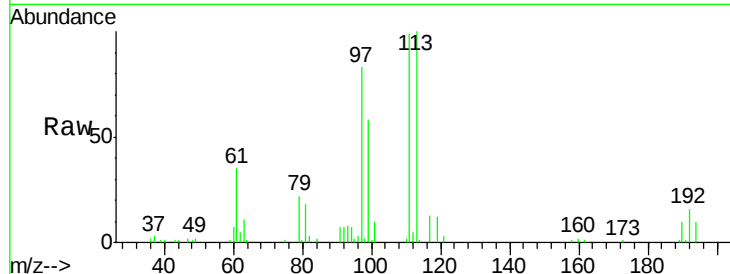
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	20501
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.0
192	17.7	15.2	22.8

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#36

1,1-Dichloropropene

Concen: 10.588 ug/l

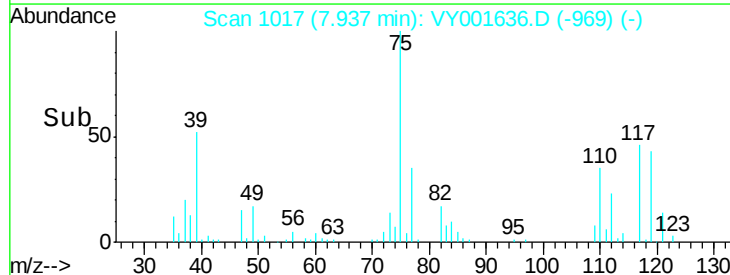
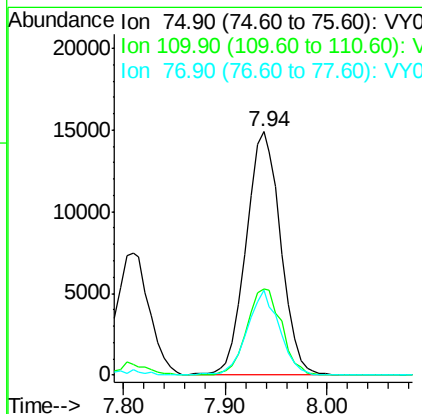
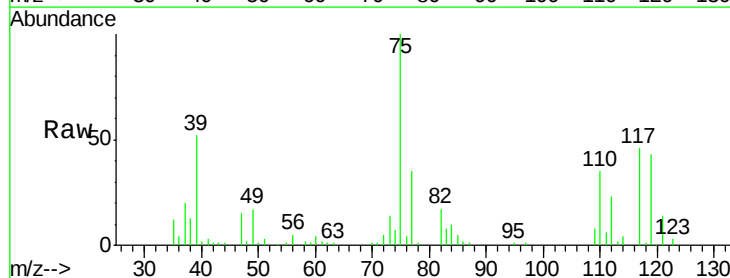
RT: 7.94 min Scan# 1017

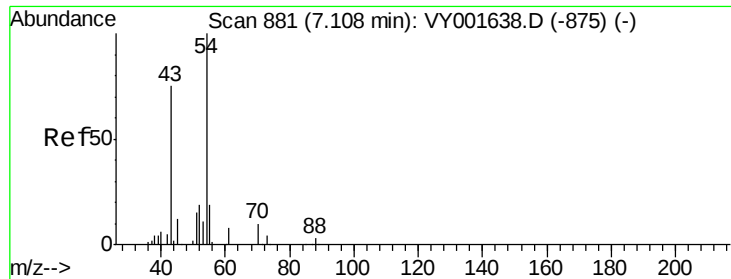
Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion:	75	Resp:	35173
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.6	52.8
77	32.5	24.4	36.6





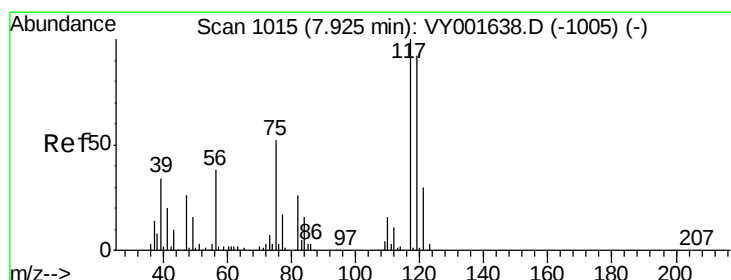
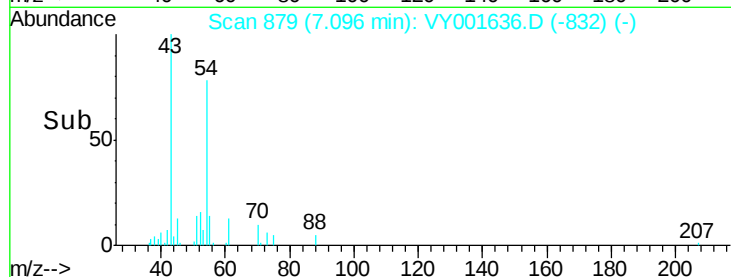
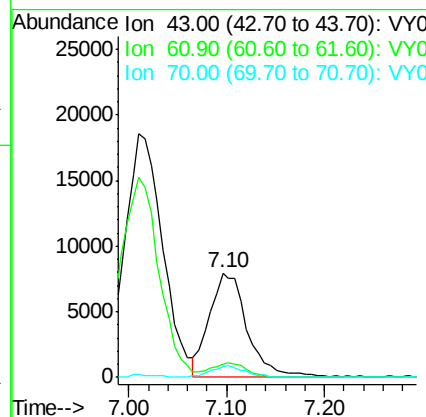
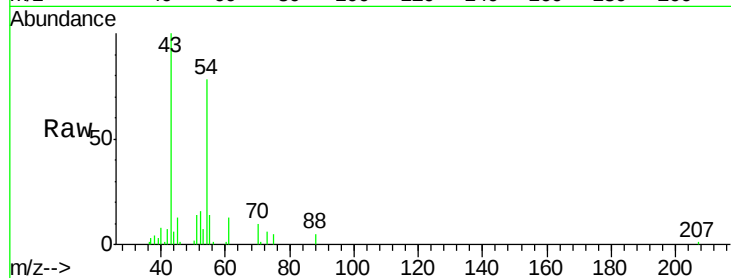
#37
Ethyl Acetate
Concen: 12.674 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.4	17.0
70	10.1	8.6	12.8

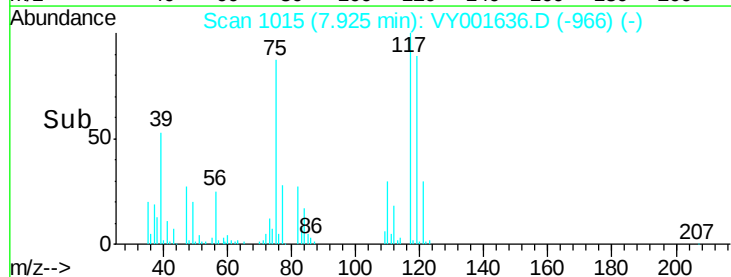
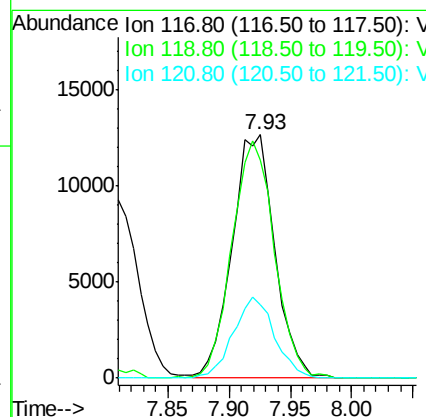
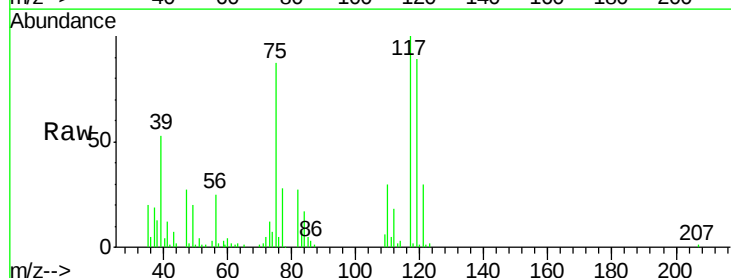
Manual Integrations
APPROVED

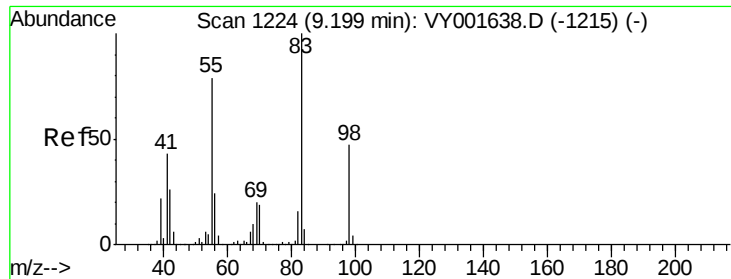
MMDadoda
2/19/2020 10:49:47 AM



#38
Carbon Tetrachloride
Concen: 9.663 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.4	110.0
121	30.2	23.7	35.5





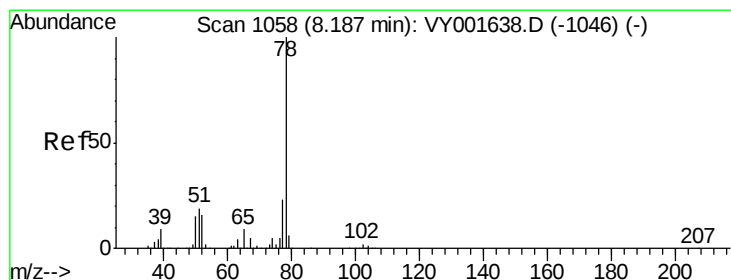
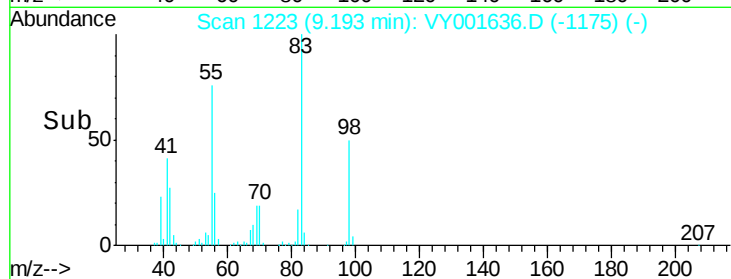
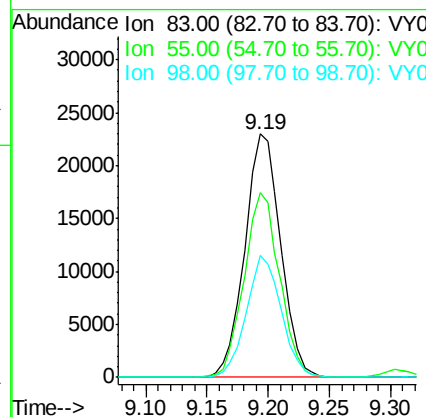
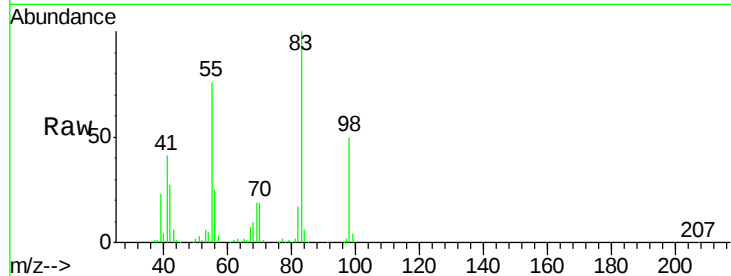
#39
Methvlcvclohexane
Concen: 10.716 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	63.3	94.9
98	50.1	37.9	56.9

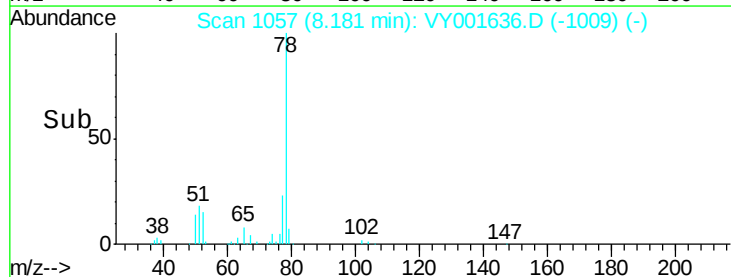
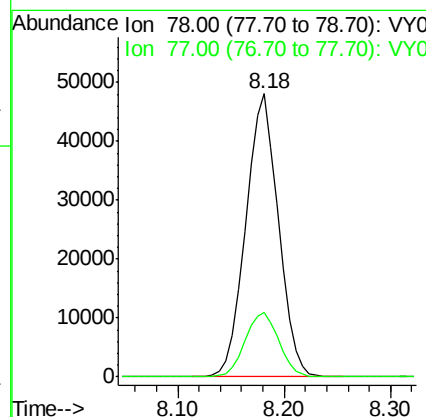
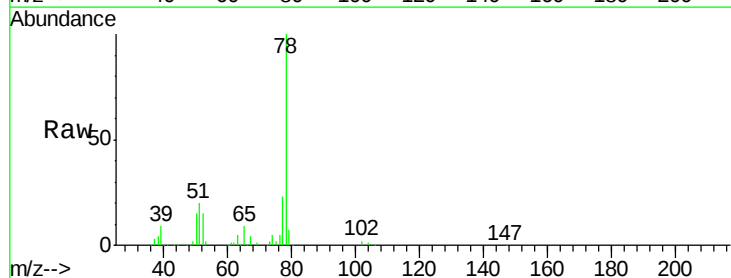
Manual Integrations
APPROVED

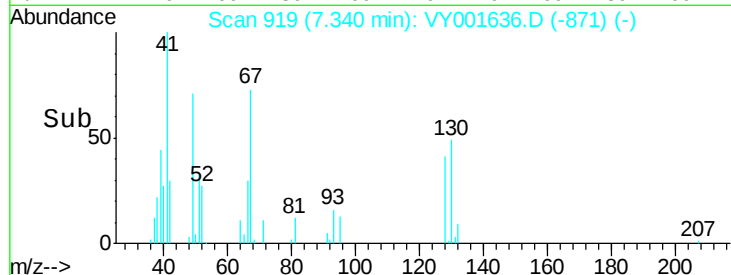
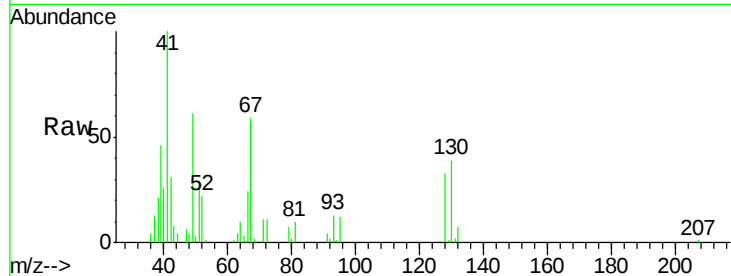
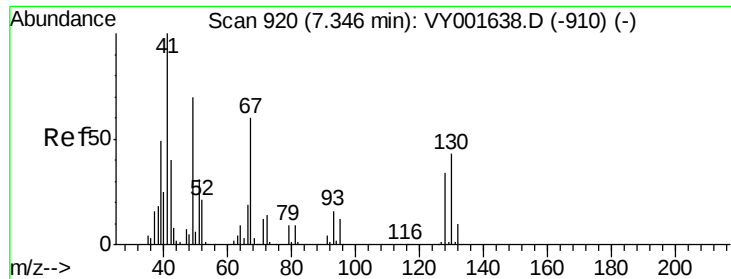
MMDadoda
2/19/2020 10:49:47 AM



#40
Benzene
Concen: 10.862 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





#41

Methacrylonitrile

Concen: 15.084 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tot Ion:	41	Resp:	11409
Ion Ratio	Lower	Upper	
41	100		
39	0.0	114.2	171.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

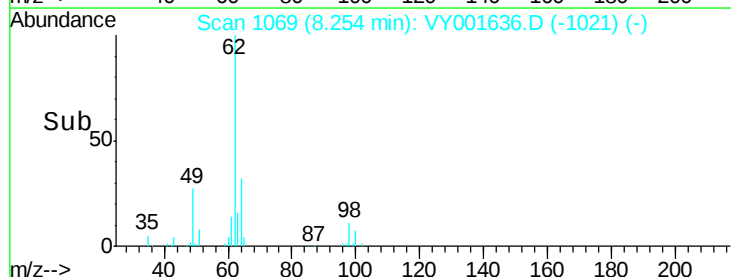
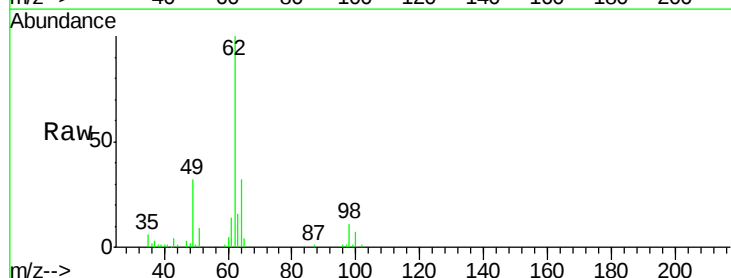
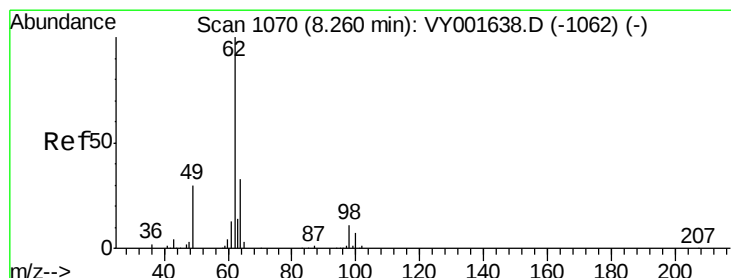
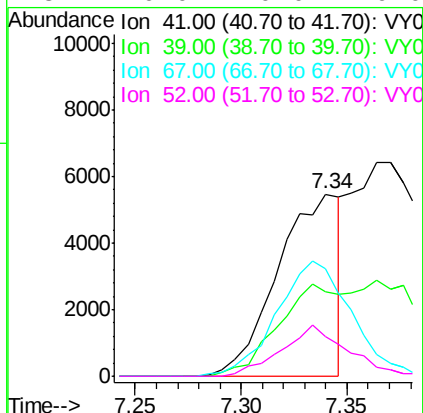
MSVOA_Y

ClientSampleId :

VSTDIC010

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#42

1,2-Dichloroethane

Concen: 10.672 ug/l

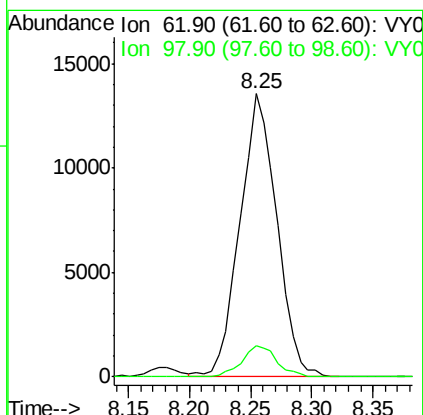
RT: 8.25 min Scan# 1069

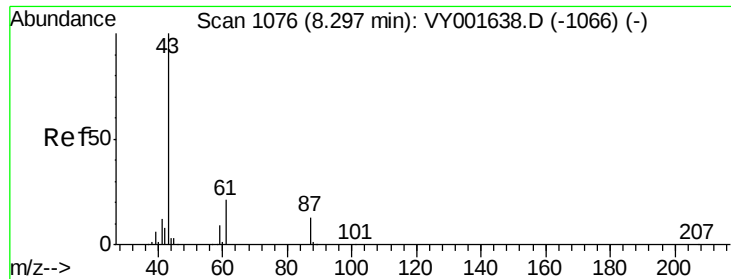
Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion:	62	Resp:	28369
Ion Ratio	Lower	Upper	
62	100		
98	10.4	0.0	21.4





#43

Isopropyl Acetate

Concen: 12.017 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

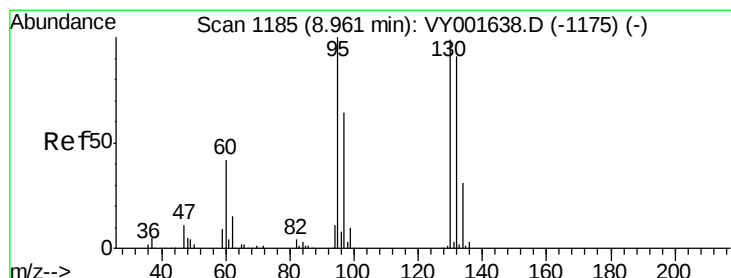
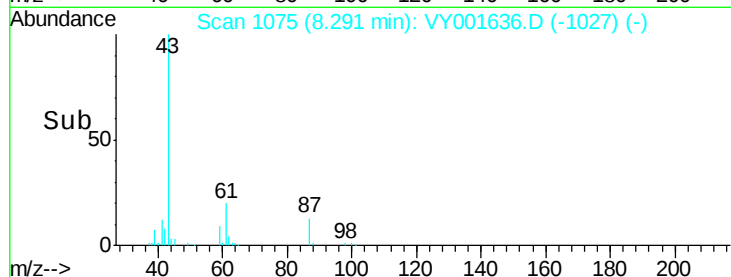
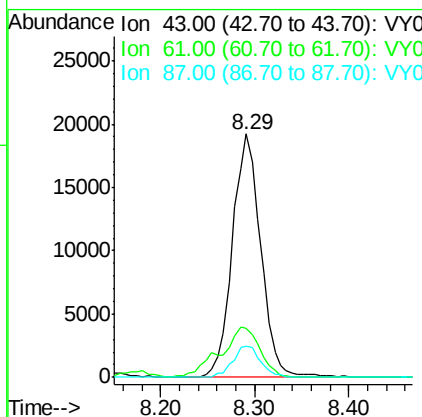
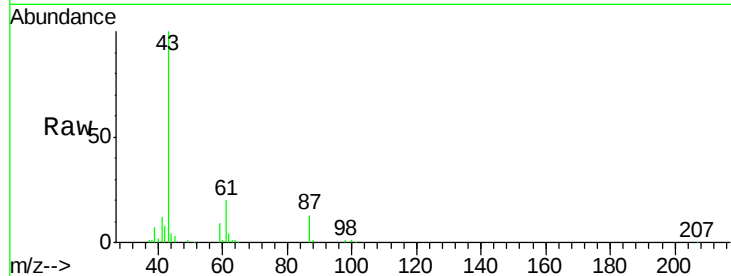
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	40048
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	12.5	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#44

Trichloroethene

Concen: 10.267 ug/l

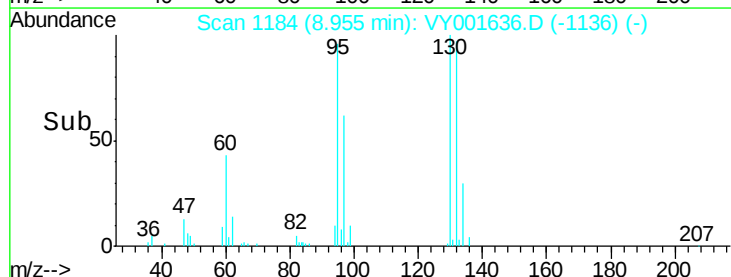
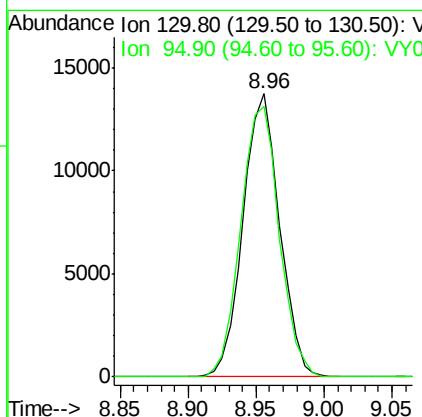
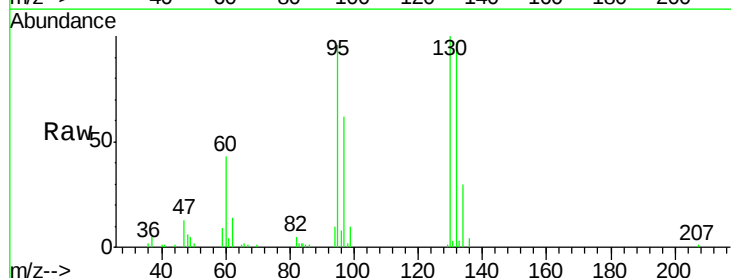
RT: 8.96 min Scan# 1184

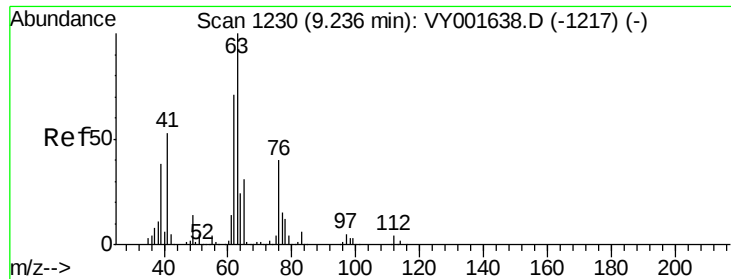
Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion:	130	Resp:	26035
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	203.0





#45

1,2-Dichloropropane

Concen: 10.969 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 25423

Ion Ratio Lower Upper

63 100

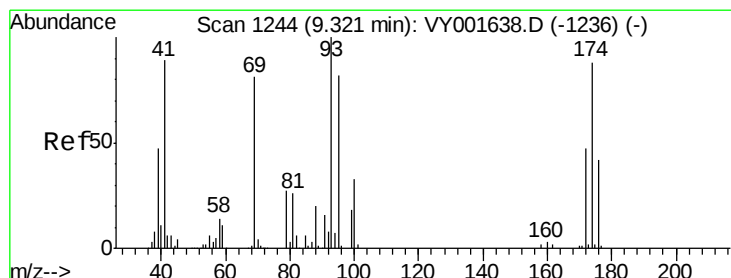
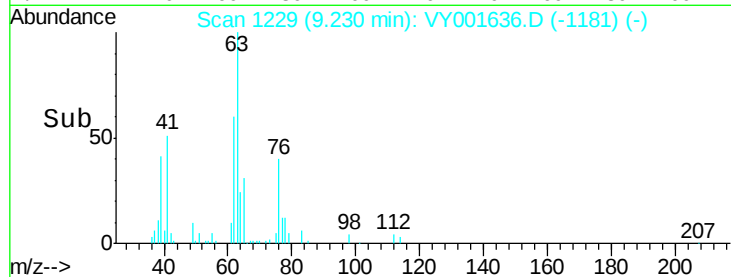
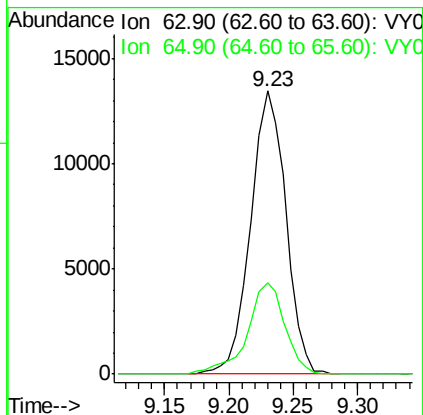
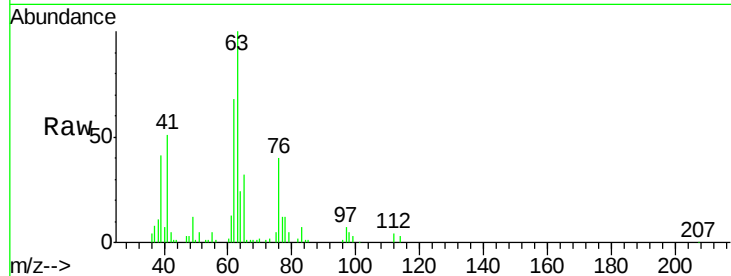
65 32.2 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



#46

Dibromomethane

Concen: 10.550 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

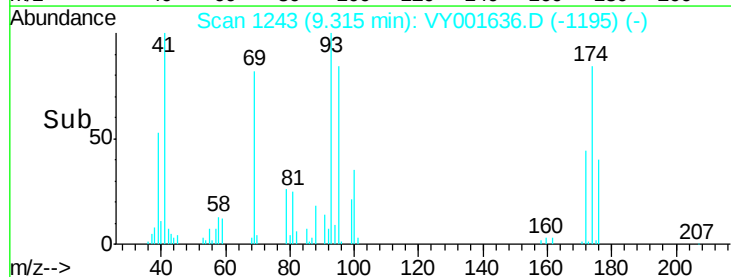
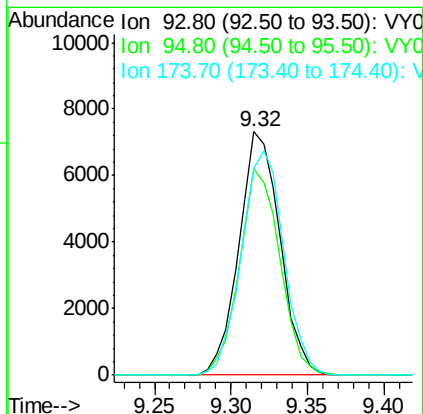
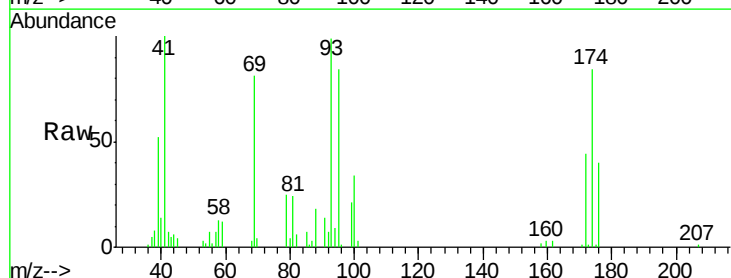
Tgt Ion: 93 Resp: 13615

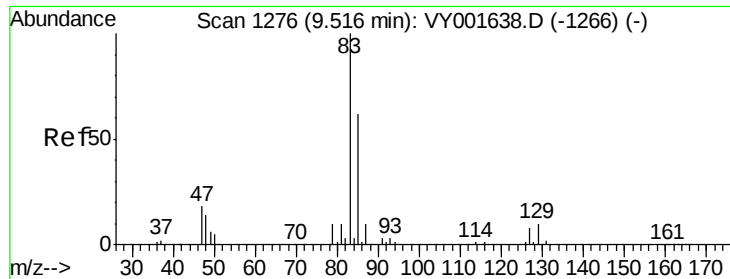
Ion Ratio Lower Upper

93 100

95 84.0 67.3 100.9

174 95.2 74.1 111.1





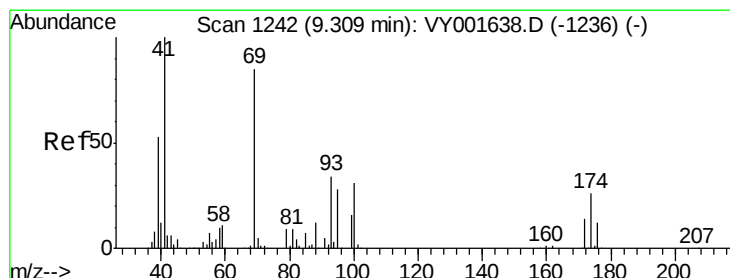
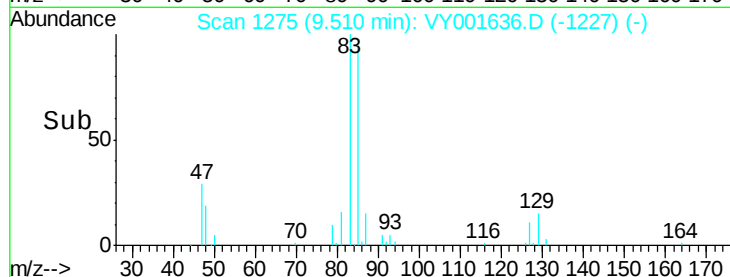
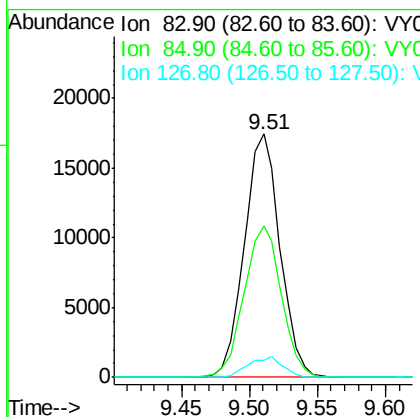
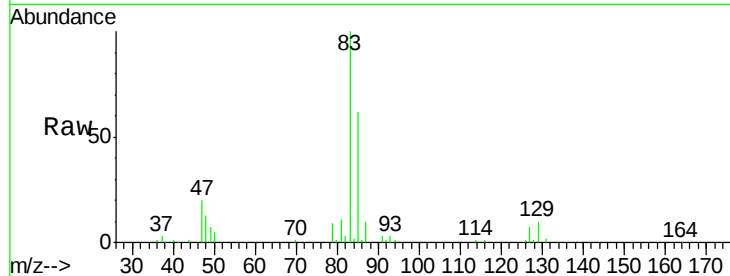
#47
Bromodichloromethane
Concen: 10.216 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	31971		
85	62.4	50.0	75.0	
127	7.2	6.3	9.5	

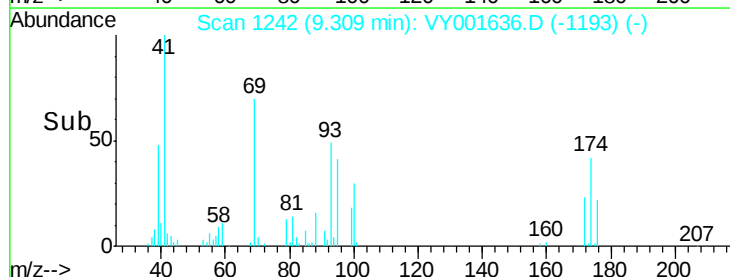
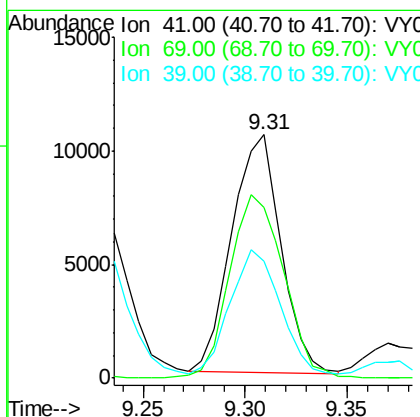
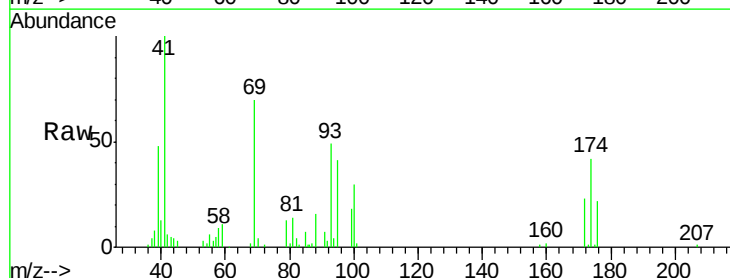
Manual Integrations
APPROVED

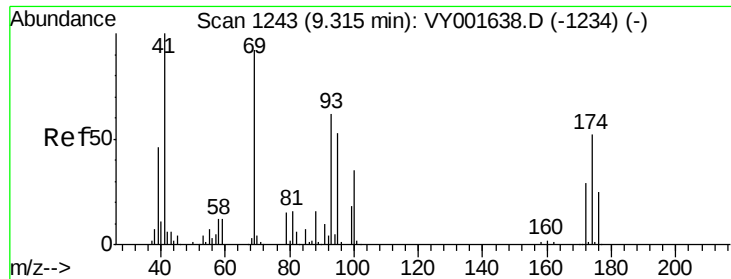
MMDadoda
2/19/2020 10:49:47 AM



#48
Methyl methacrylate
Concen: 11.665 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	17604		
69	84.6	69.5	104.3	
39	57.2	41.8	62.6	





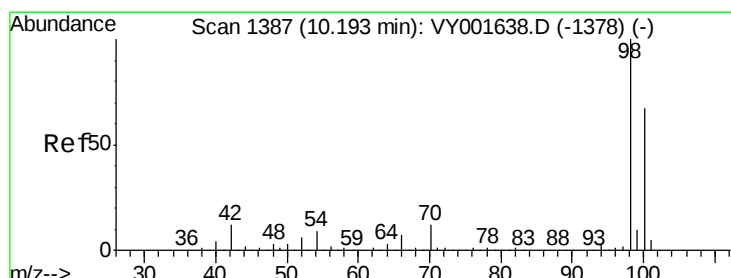
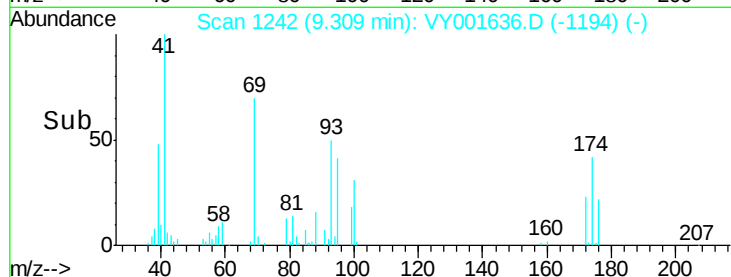
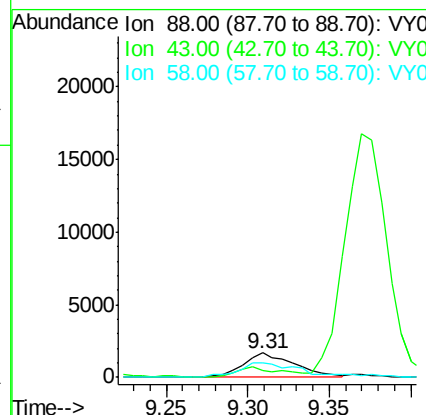
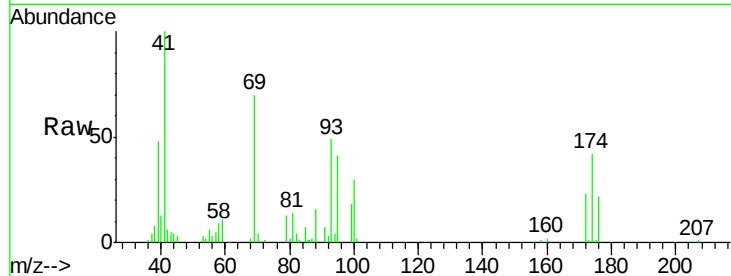
#49
1,4-Dioxane
Concen: 208.156 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	27.6	41.4
58	80.2	60.4	90.6

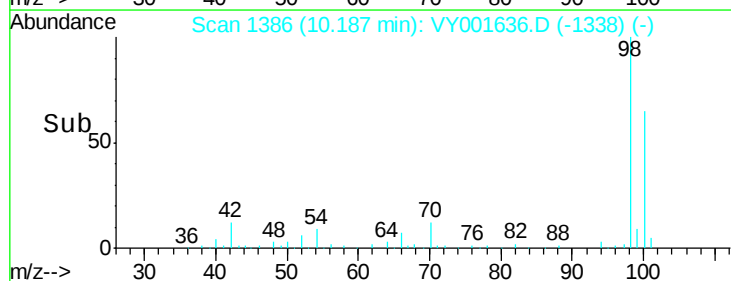
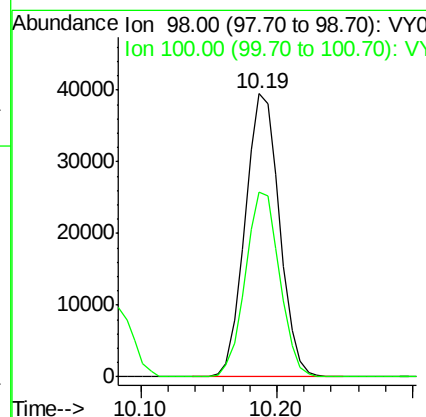
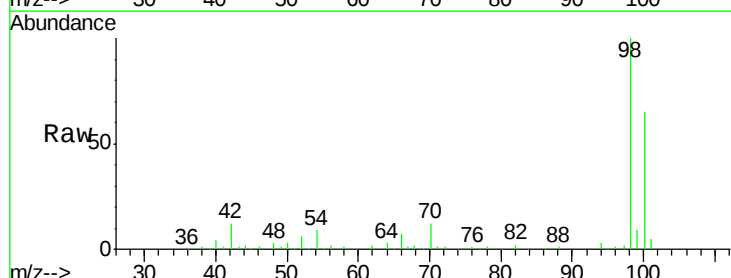
Manual Integrations
APPROVED

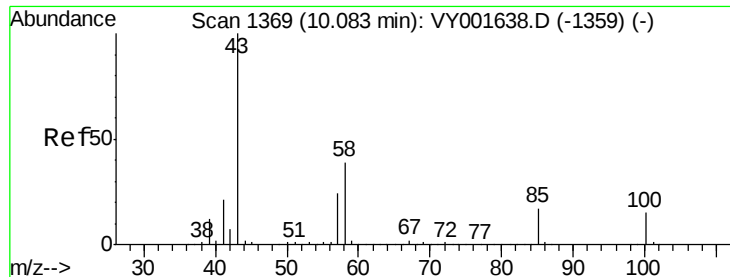
MMDadoda
2/19/2020 10:49:47 AM



#50
Toluene-d8
Concen: 8.842 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 61.854 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 102664

Ion Ratio Lower Upper

43 100

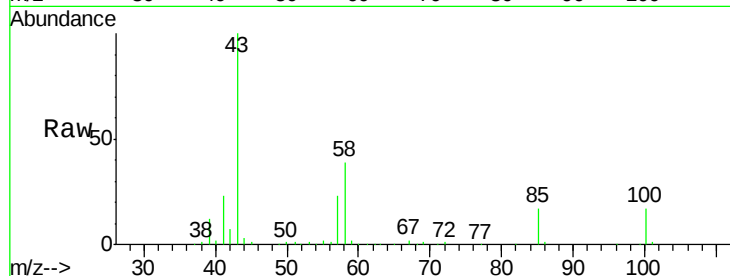
58 37.9 31.4 47.2

Manual Integrations

APPROVED

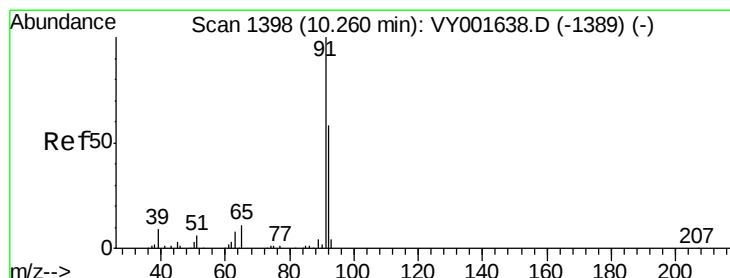
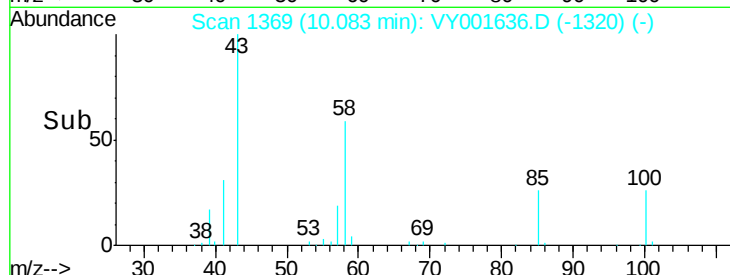
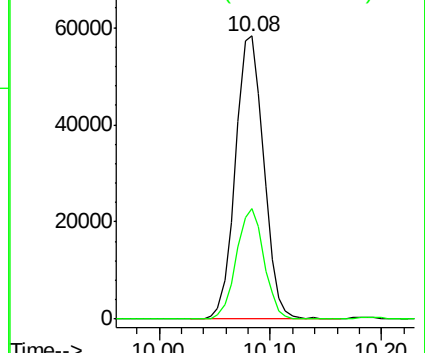
MMDadoda

2/19/2020 10:49:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1359) (-)



#52

Toluene

Concen: 10.724 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001636.D

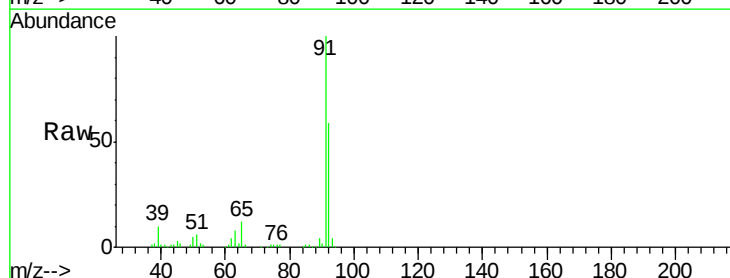
Acq: 17 Feb 2020 10:24

Tgt Ion: 92 Resp: 64835

Ion Ratio Lower Upper

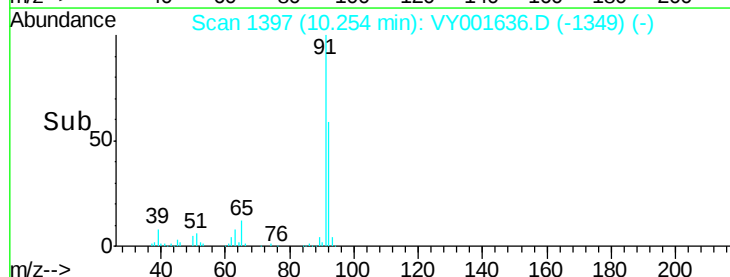
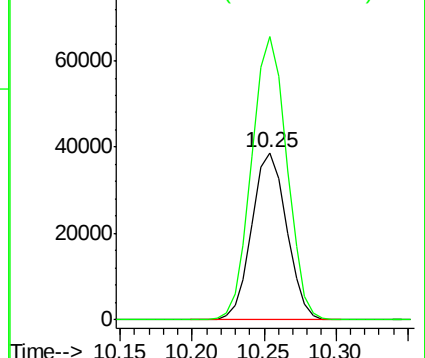
92 100

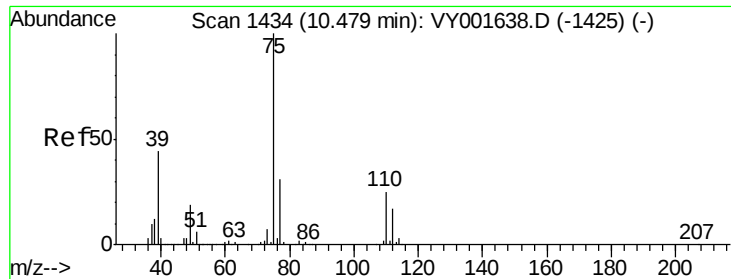
91 170.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001638.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY001638.D (-1389) (-)





#53

t-1,3-Dichloropropene

Concen: 10.232 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 35206

Ion Ratio Lower Upper

75 100

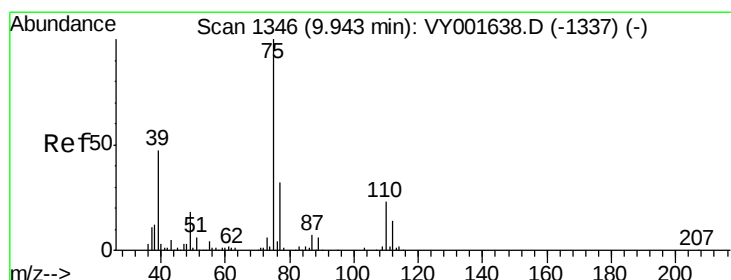
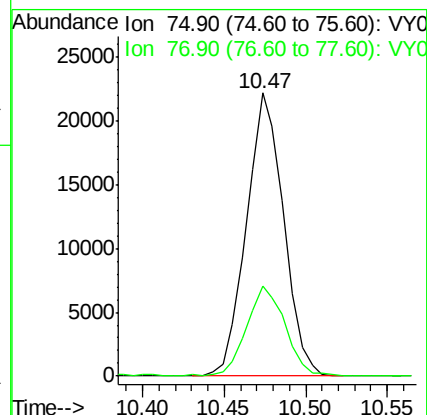
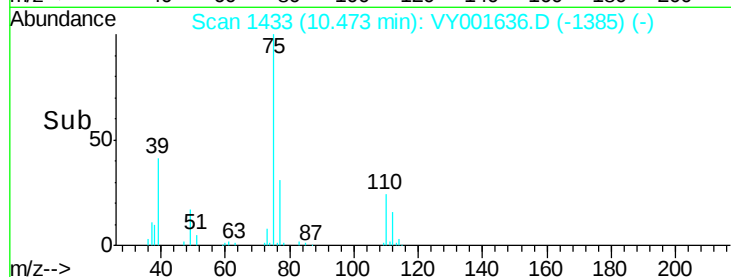
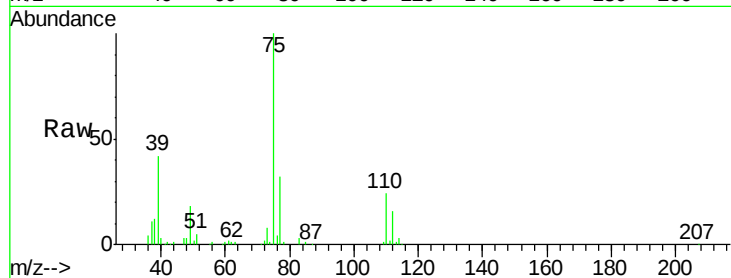
77 31.3 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:47 AM



#54

cis-1,3-Dichloropropene

Concen: 10.394 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

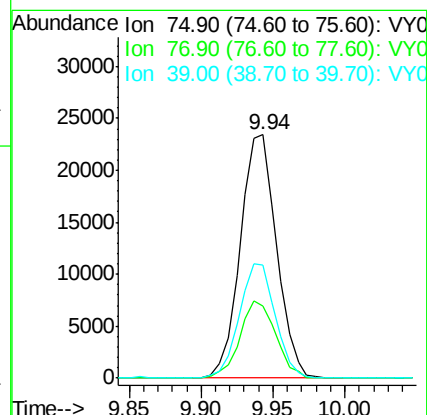
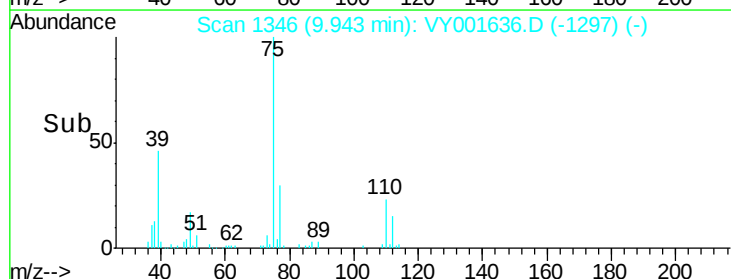
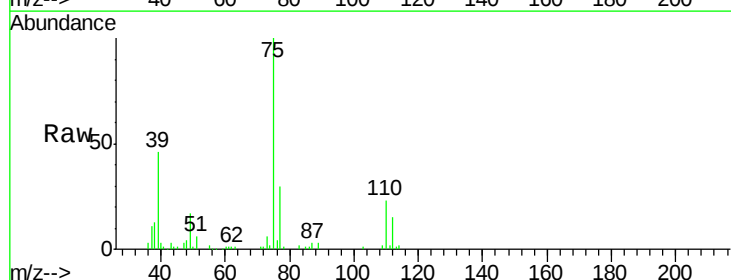
Tgt Ion: 75 Resp: 40821

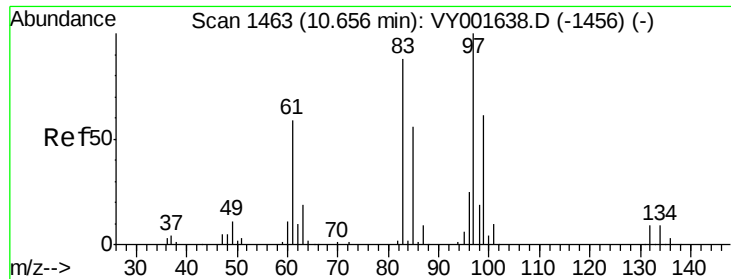
Ion Ratio Lower Upper

75 100

77 29.8 25.9 38.9

39 46.4 37.3 55.9





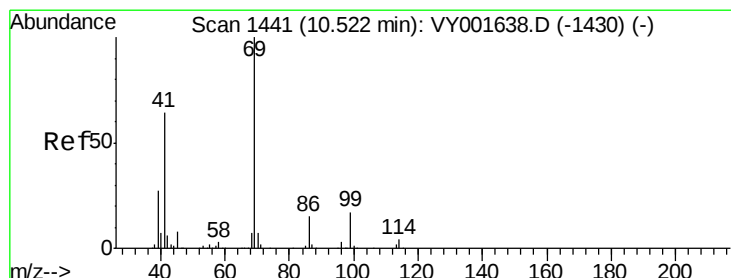
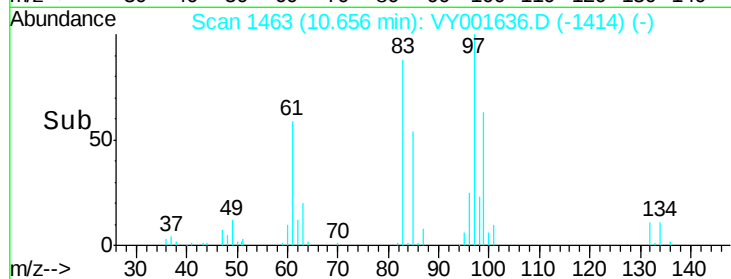
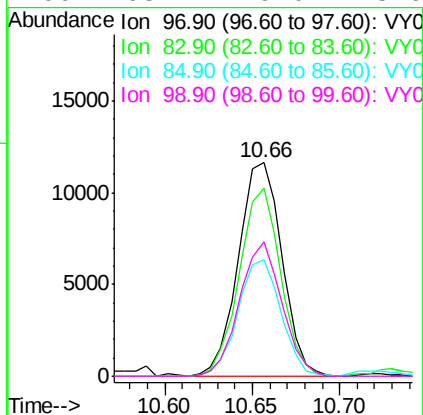
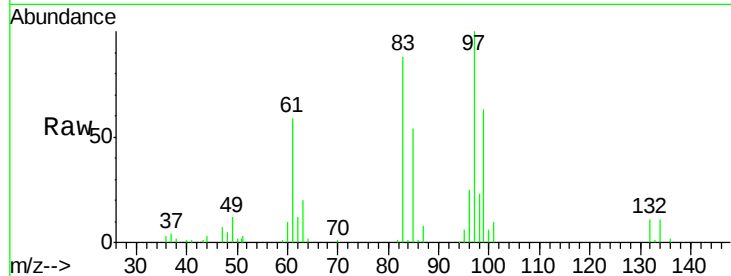
#55
 1,1,2-Trichloroethane
 Concen: 10.855 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	20232
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.3	105.5
85	54.5	44.6	66.8
99	63.2	49.0	73.6

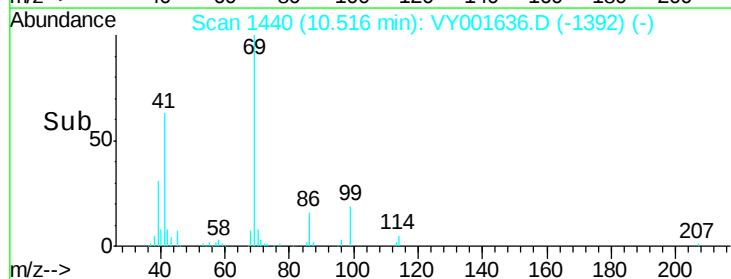
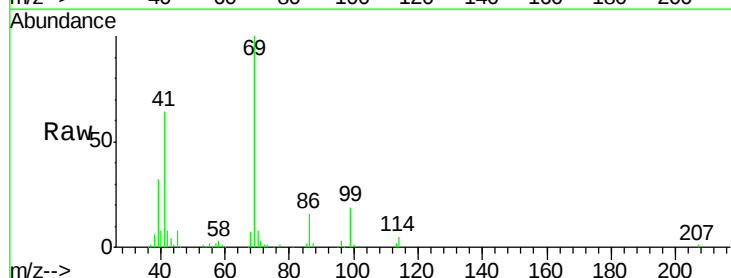
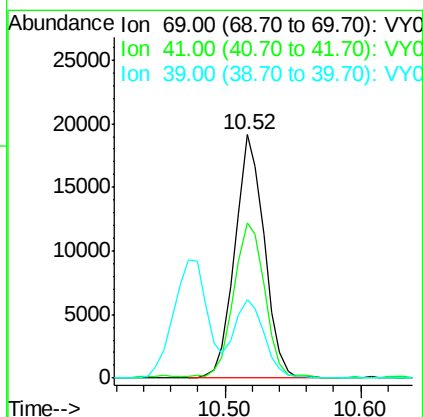
Manual Integrations
 APPROVED

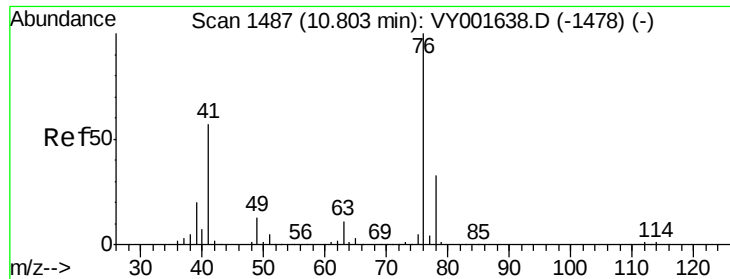
MMDadoda
 2/19/2020 10:49:47 AM



#56
 Ethyl methacrylate
 Concen: 10.703 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion:	69	Resp:	28762
Ion	Ratio	Lower	Upper
69	100		
41	68.1	51.9	77.9
39	33.1	26.9	40.3





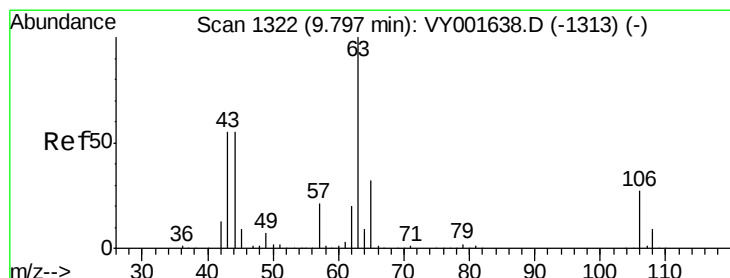
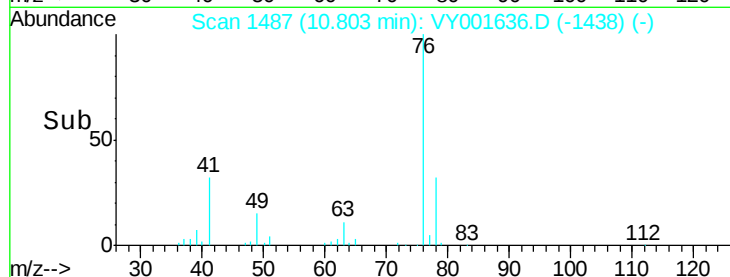
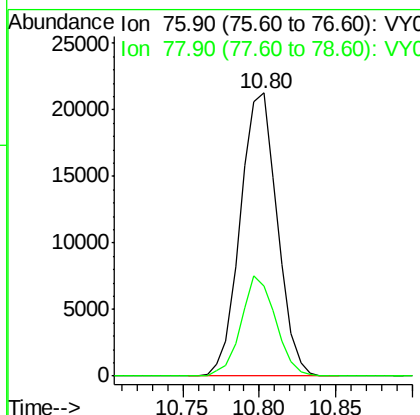
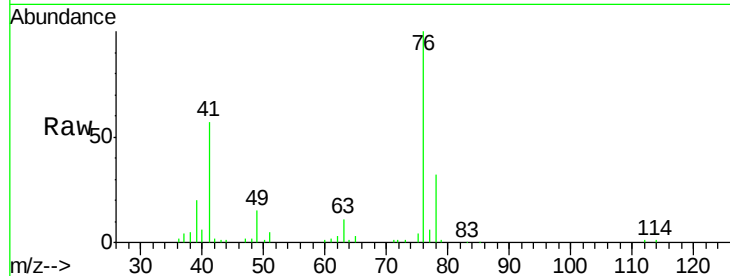
#57
 1,3-Dichloropropane
 Concen: 10.816 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 35652
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5

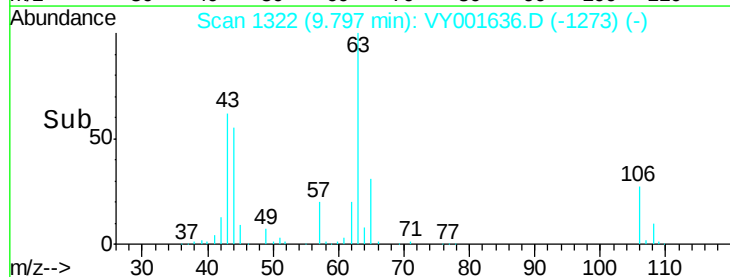
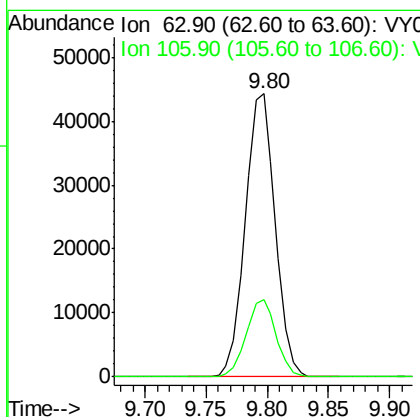
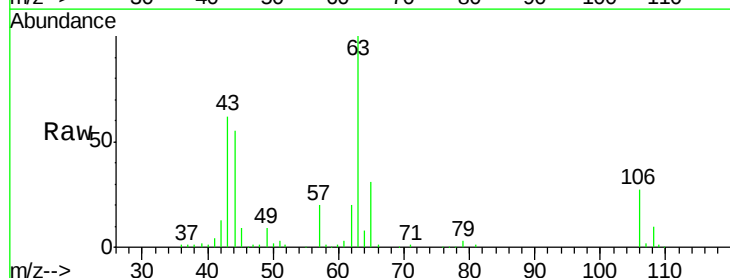
Manual Integrations
 APPROVED

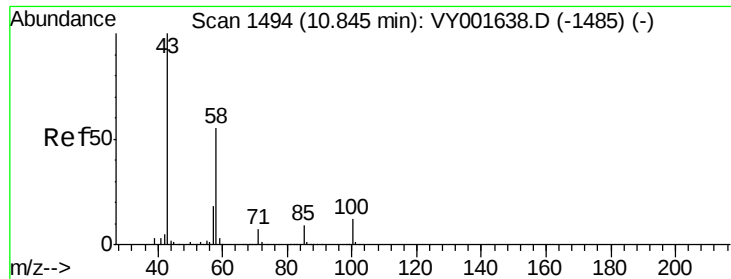
MMDadoda
 2/19/2020 10:49:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.596 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion: 63 Resp: 75400
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.5 32.3





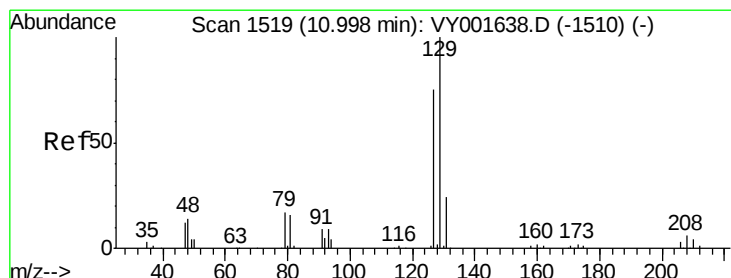
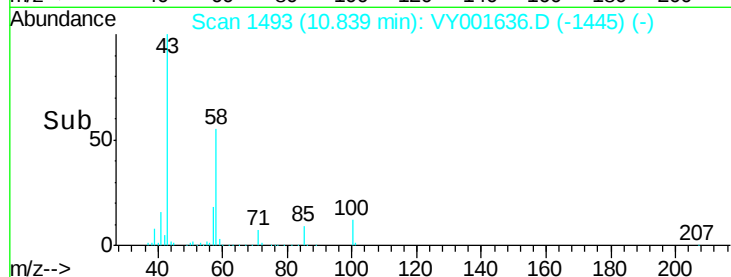
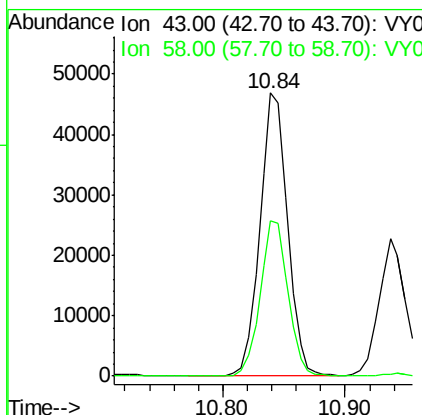
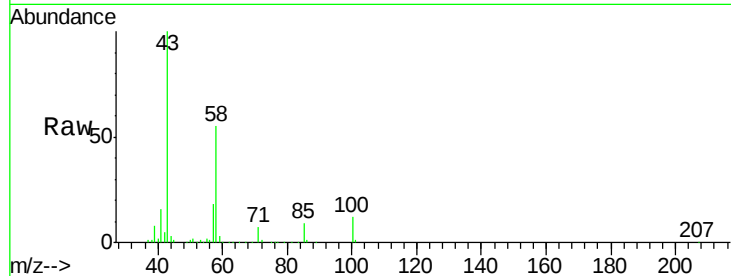
#59
2-Hexanone
Concen: 60.396 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 73992
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.3

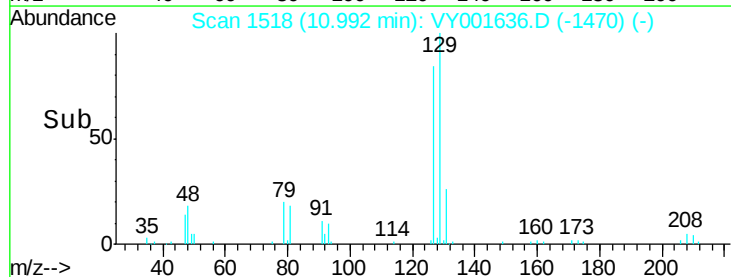
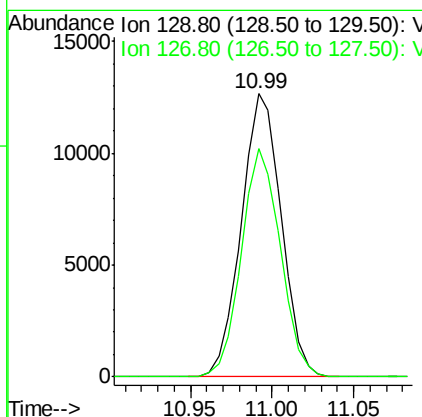
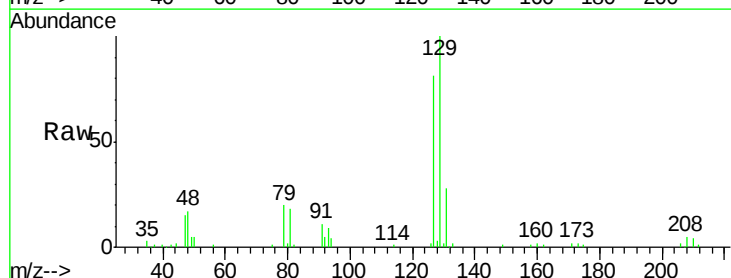
Manual Integrations
APPROVED

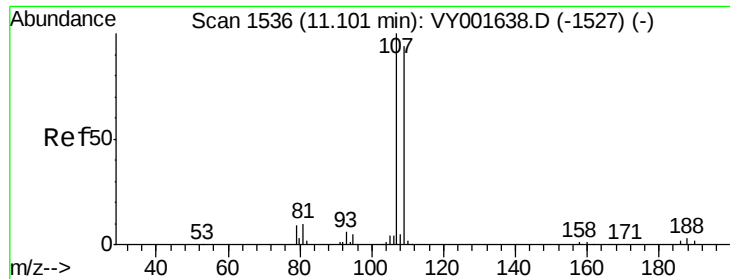
MMDadoda
2/19/2020 10:49:47 AM



#60
Dibromochloromethane
Concen: 9.930 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion: 129 Resp: 21574
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.5





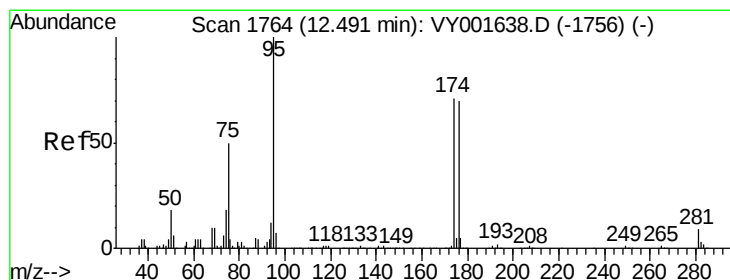
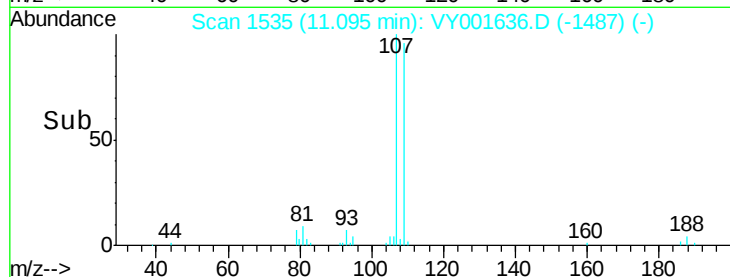
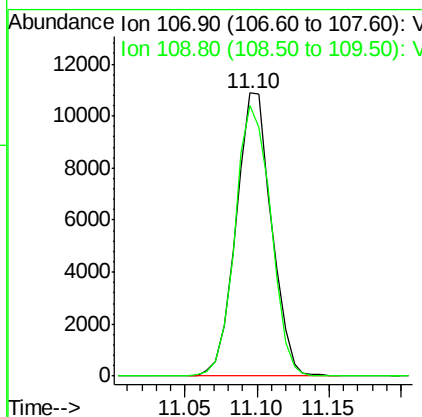
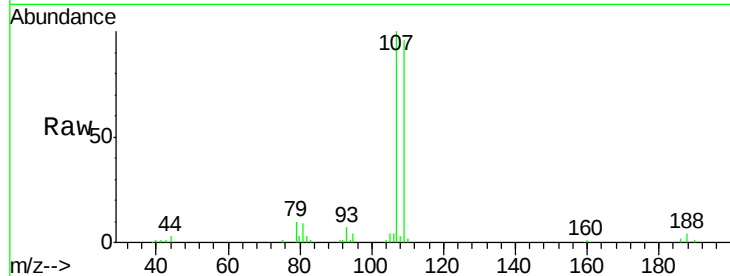
#61
 1,2-Dibromoethane
 Concen: 10.214 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 18644
 Ion Ratio Lower Upper
 107 100
 109 96.1 76.0 114.0

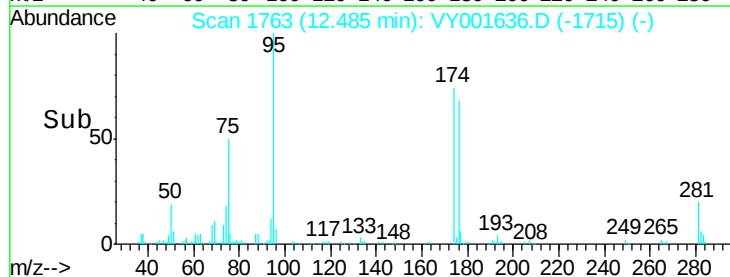
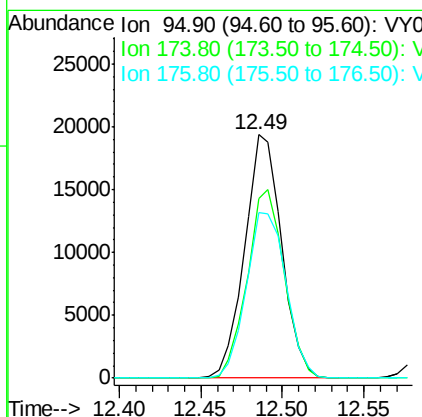
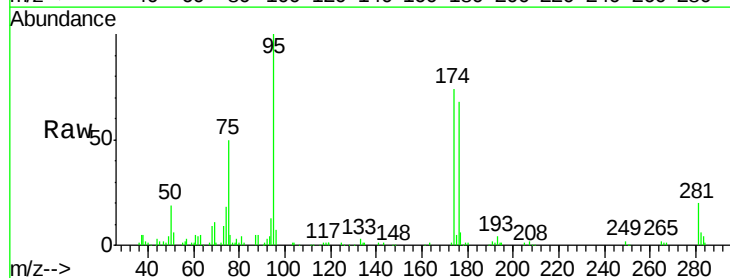
Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:47 AM



#62
 4-Bromofluorobenzene
 Concen: 9.824 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion: 95 Resp: 30578
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 144.4
 176 73.1 0.0 140.2





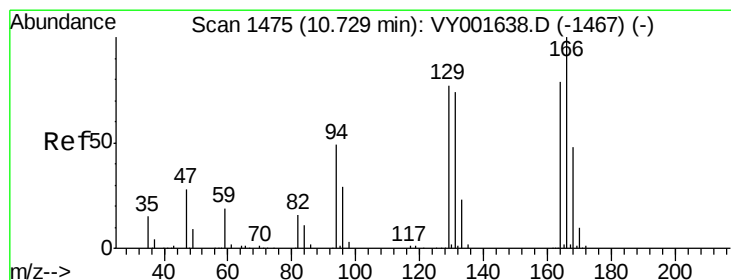
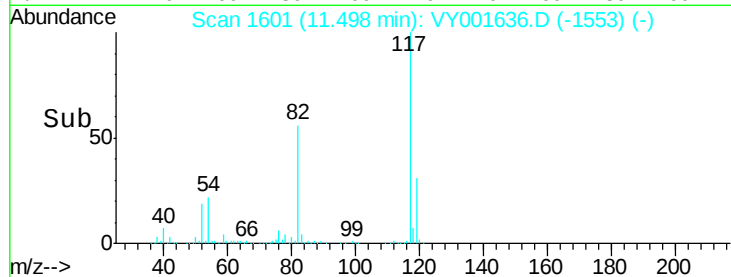
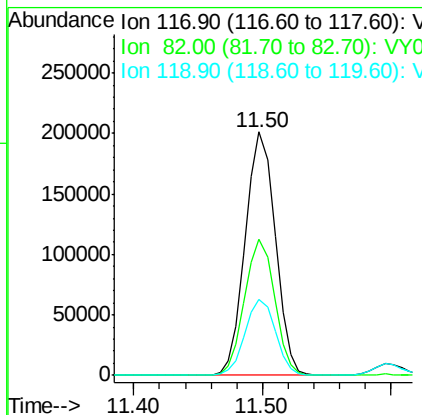
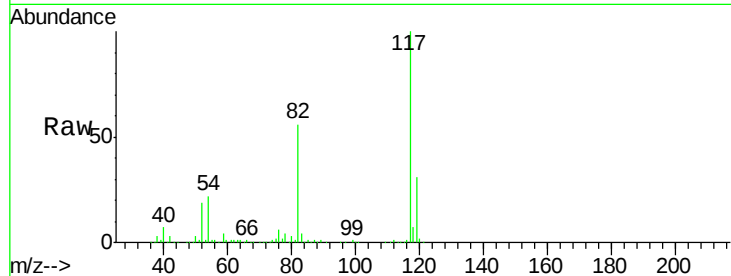
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	324648		
82	56.1	44.3	66.5	
119	31.1	25.3	37.9	

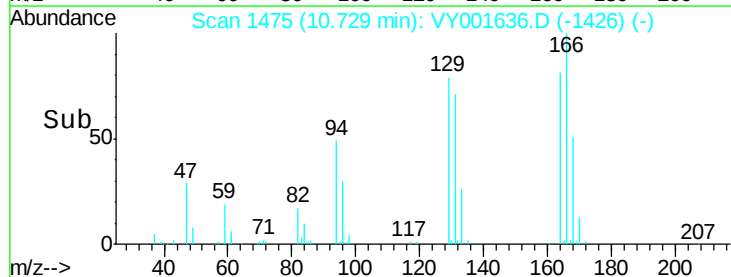
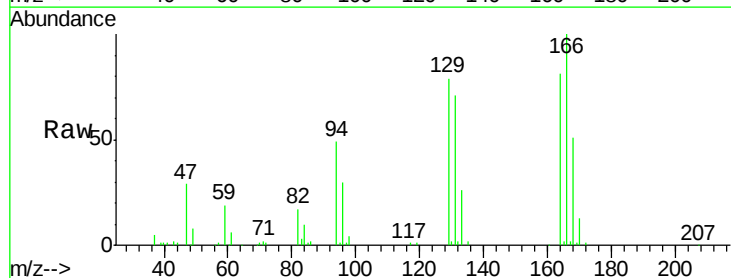
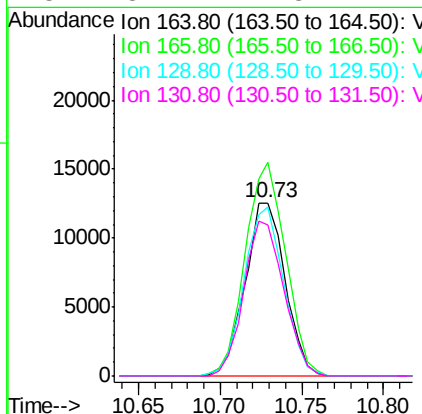
Manual Integrations
APPROVED

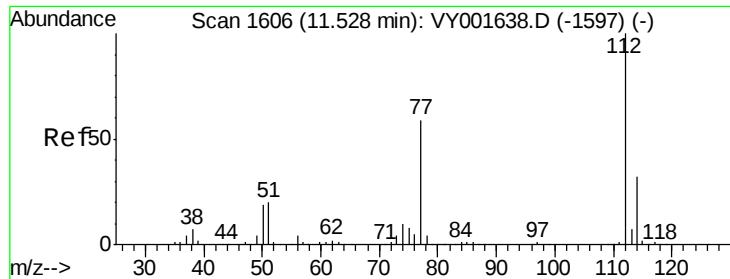
MMDadoda
2/19/2020 10:49:47 AM



#64
Tetrachloroethene
Concen: 10.218 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21488		
166	123.5	101.7	152.5	
129	97.4	78.6	118.0	
131	87.4	74.8	112.2	





#65

Chlorobenzene

Concen: 10.490 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 66760

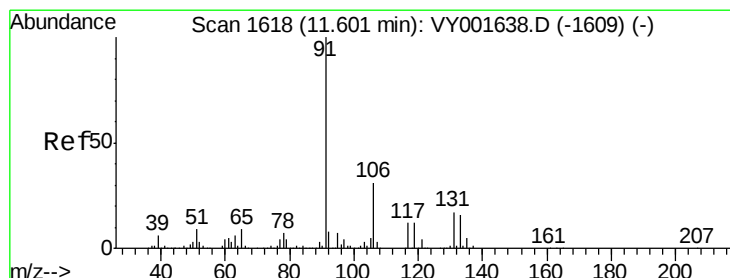
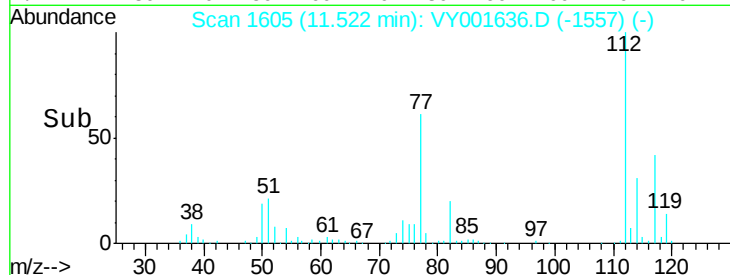
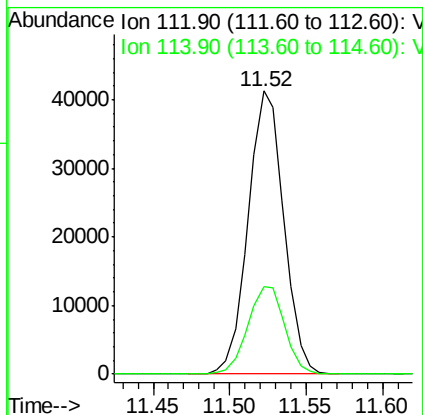
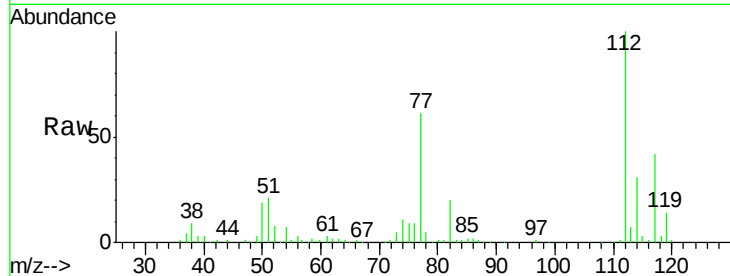
Ion Ratio Lower Upper

112 100

114 31.1 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 10.378 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

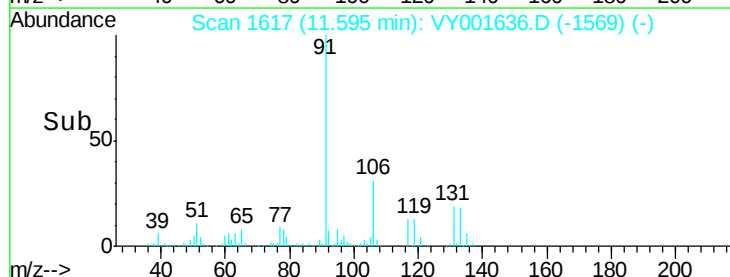
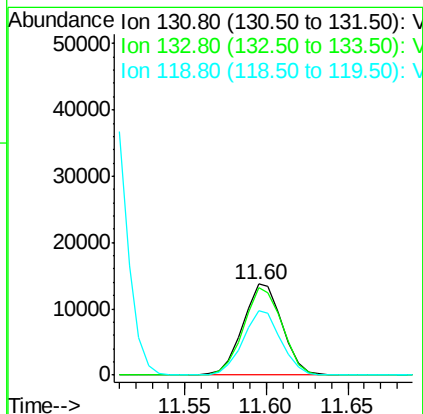
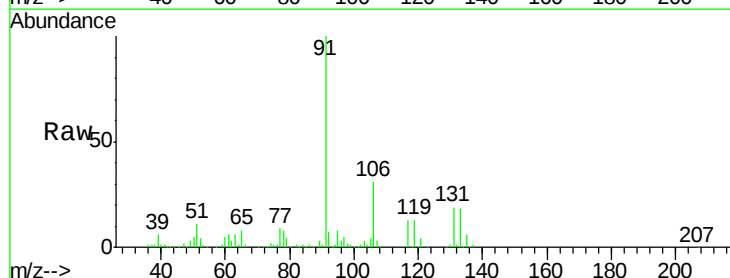
Tgt Ion:131 Resp: 23030

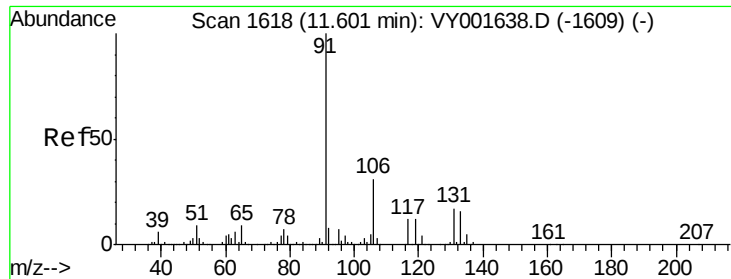
Ion Ratio Lower Upper

131 100

133 94.5 47.4 142.2

119 68.1 33.9 101.7





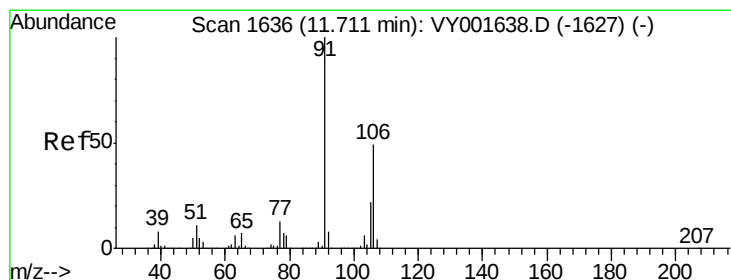
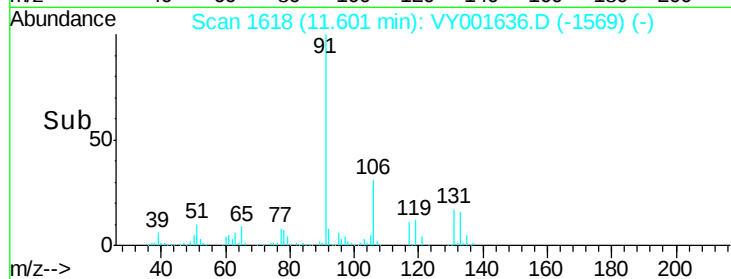
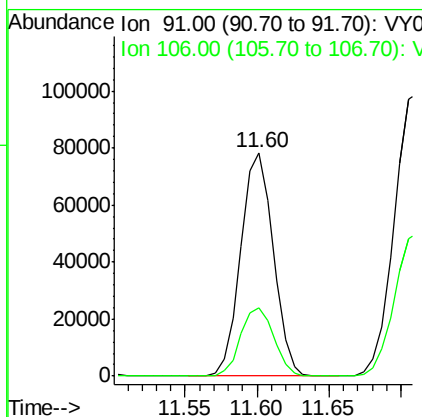
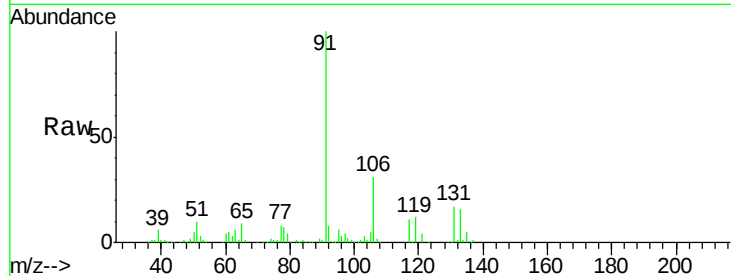
#67
Ethyl Benzene
Concen: 10.429 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 123013
Ion Ratio Lower Upper
91 100
106 30.6 25.1 37.7

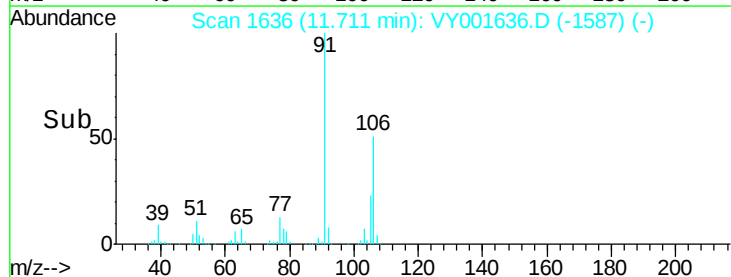
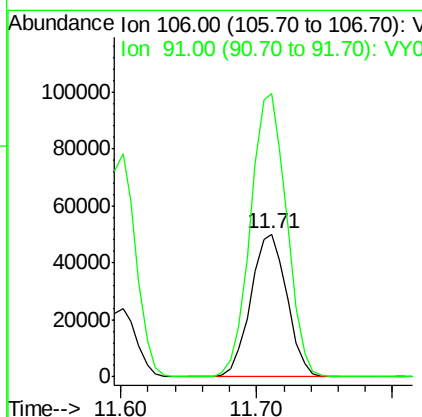
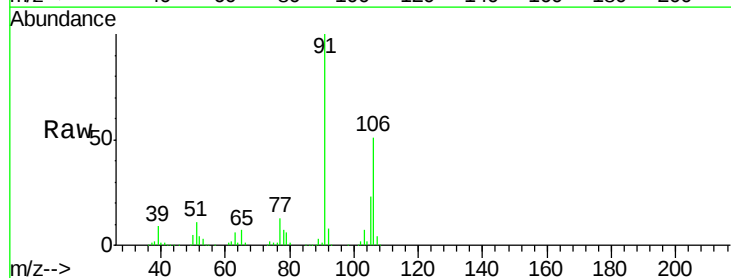
Manual Integrations
APPROVED

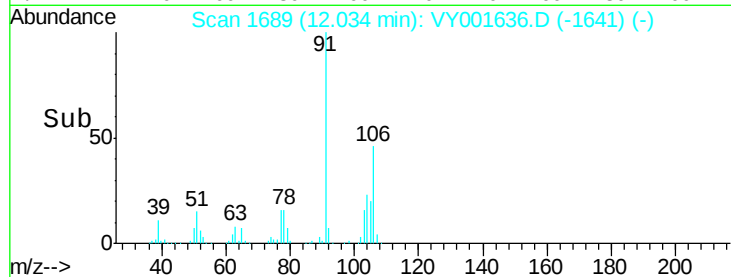
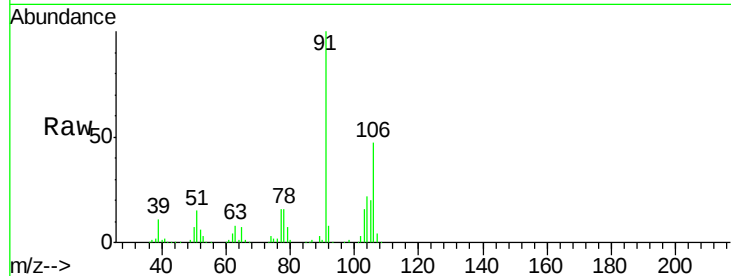
MMDadoda
2/19/2020 10:49:47 AM



#68
m/p-Xylenes
Concen: 21.040 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion: 106 Resp: 93215
Ion Ratio Lower Upper
106 100
91 198.2 161.7 242.5





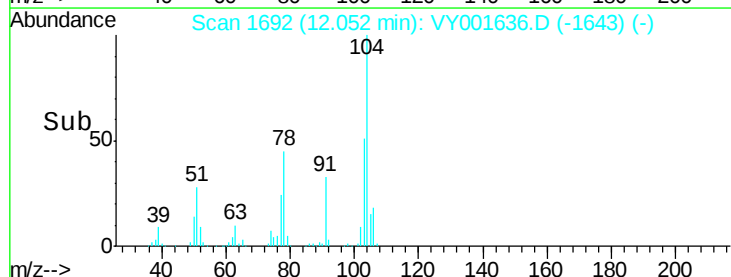
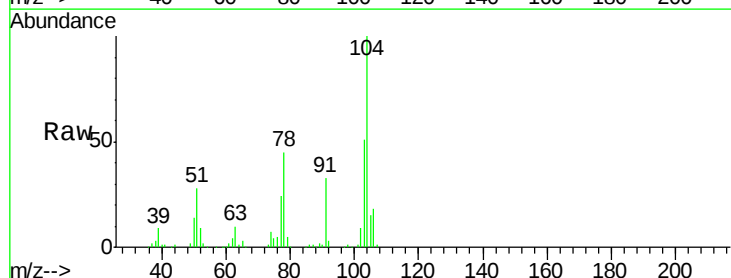
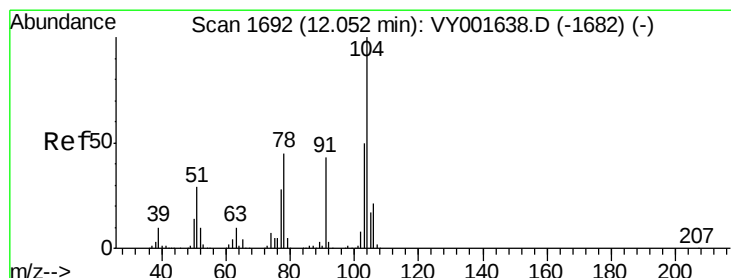
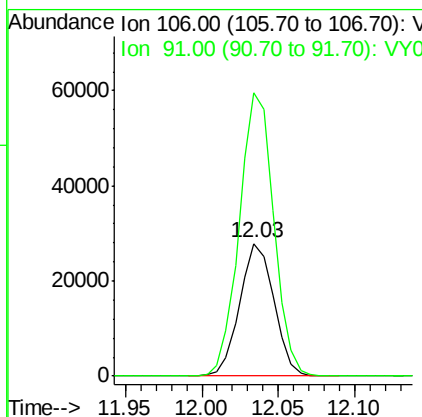
#69
o-Xylene
Concen: 10.402 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tot Ion:106 Resp: 43490
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

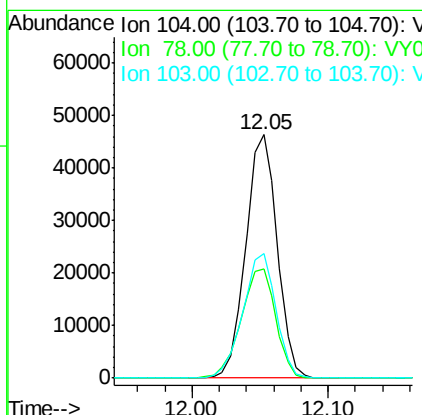
Manual Integrations
APPROVED

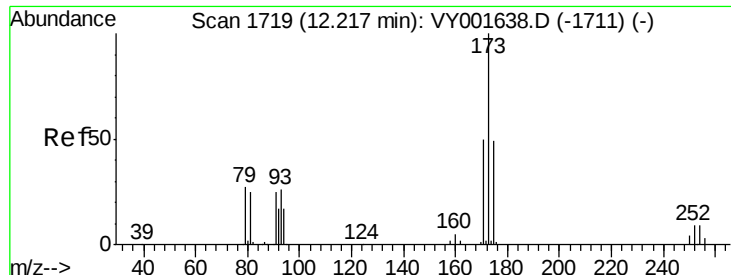
MMDadoda
2/19/2020 10:49:47 AM



#70
Styrene
Concen: 10.328 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion:104 Resp: 74862
Ion Ratio Lower Upper
104 100
78 49.2 39.0 58.4
103 54.1 42.8 64.2





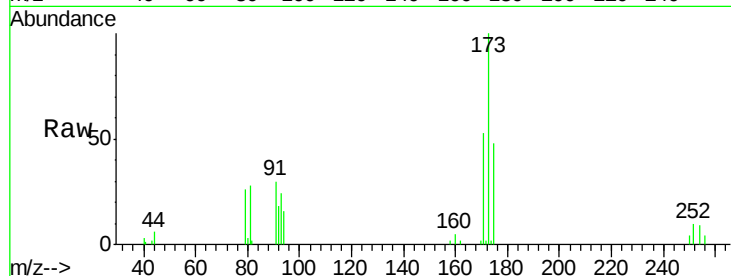
#71
Bromoform
Concen: 9.737 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

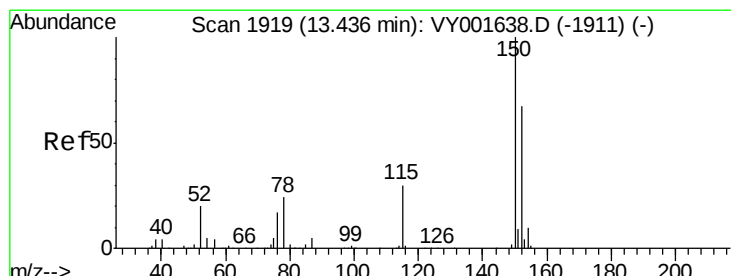
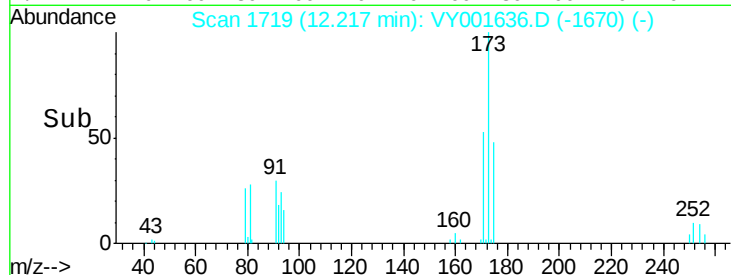
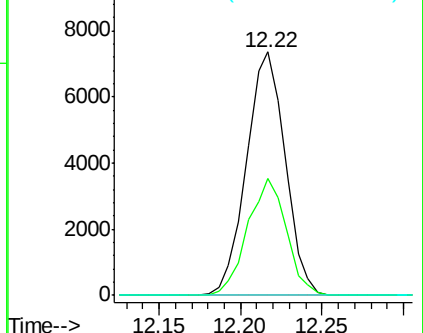
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM

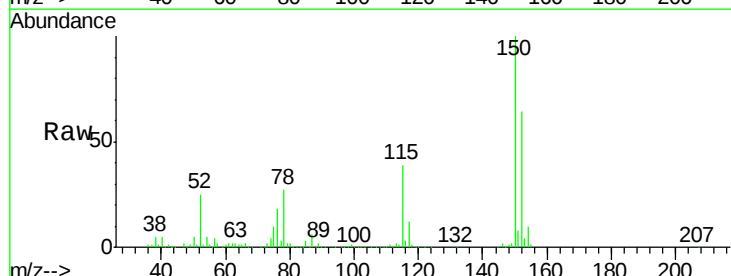


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

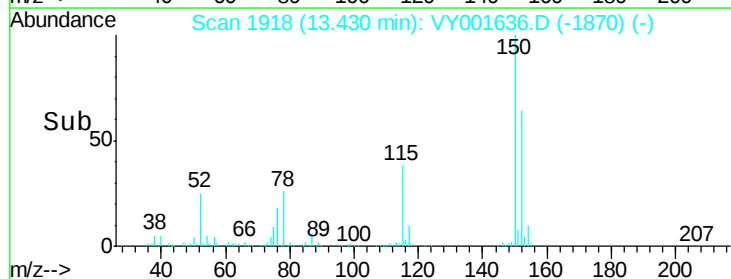
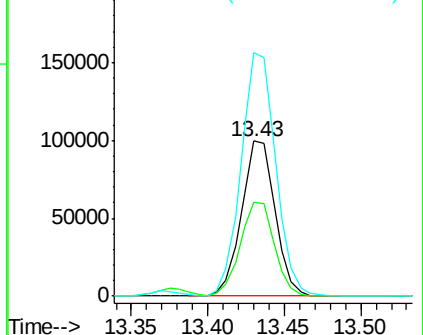


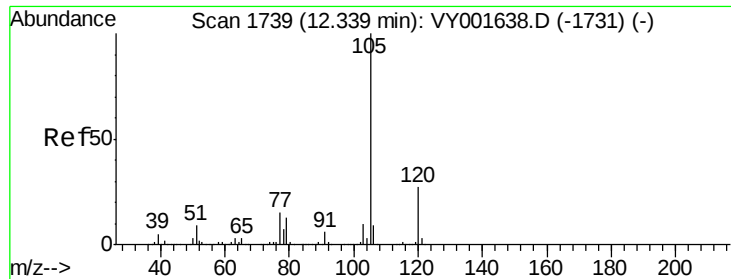
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.9	92.8
150	161.8	0.0	350.0



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





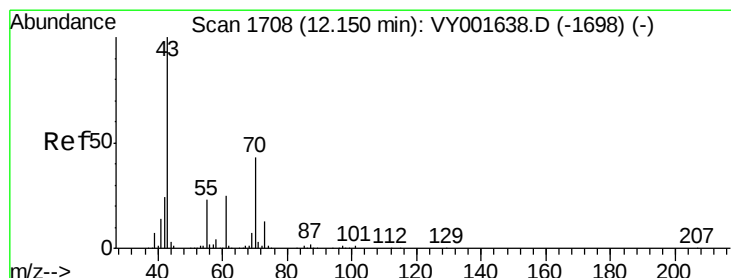
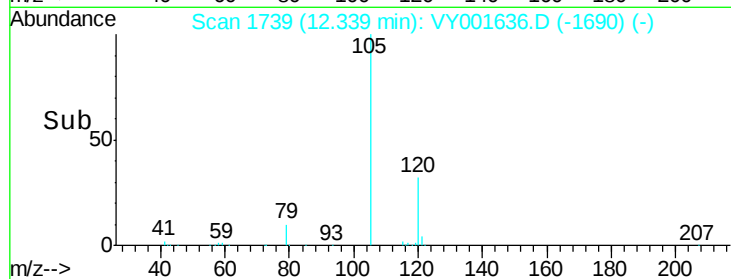
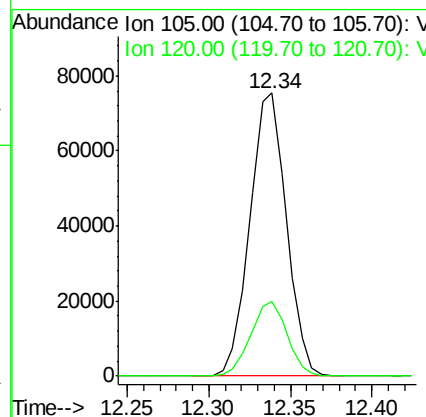
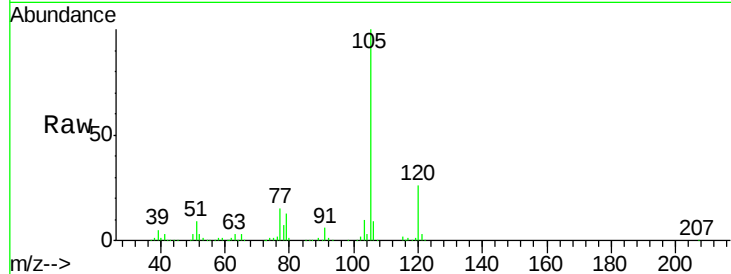
#73
Isopropylbenzene
Concen: 10.221 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.1

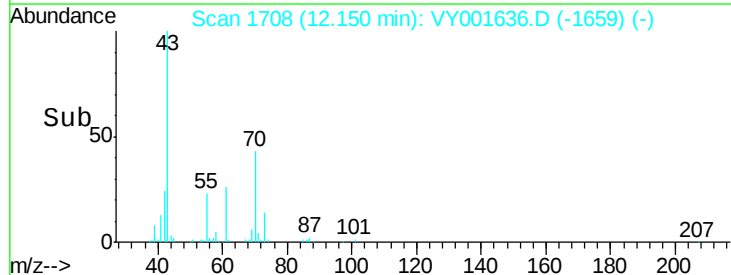
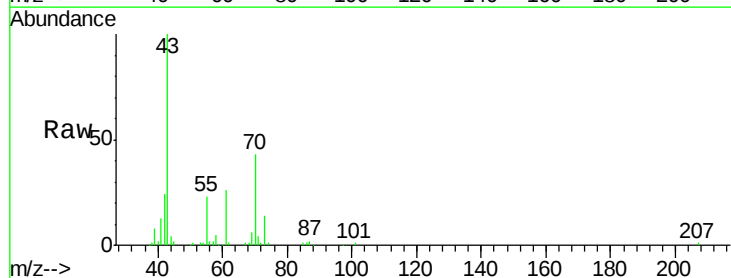
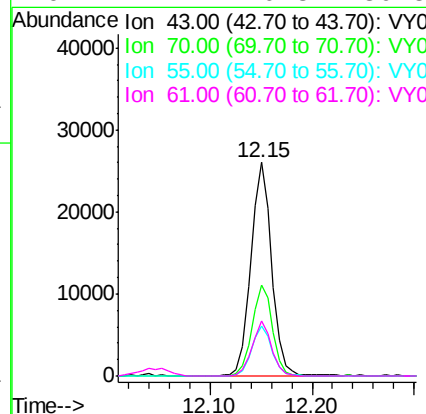
Manual Integrations
APPROVED

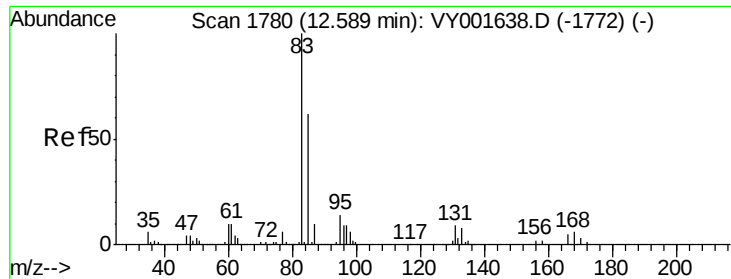
MMDadoda
2/19/2020 10:49:47 AM



#74
N-ethyl acetate
Concen: 11.766 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	35.0	52.6
55	22.8	18.3	27.5
61	24.2	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 10.906 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 24678

Ion Ratio Lower Upper

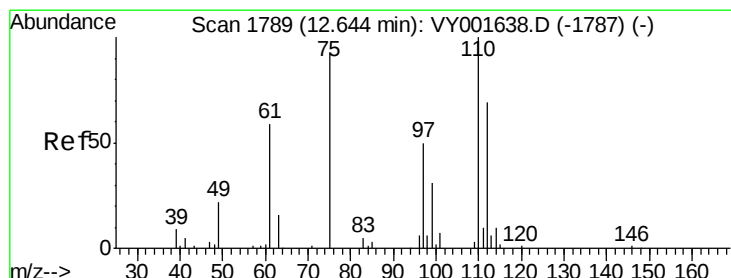
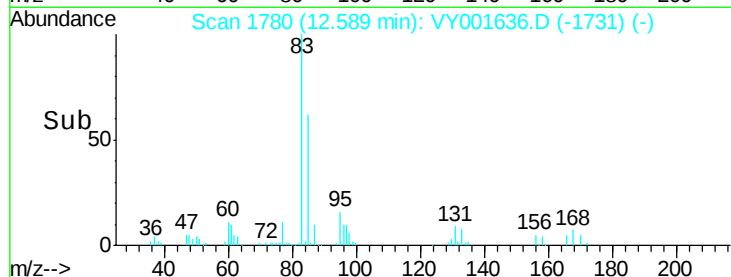
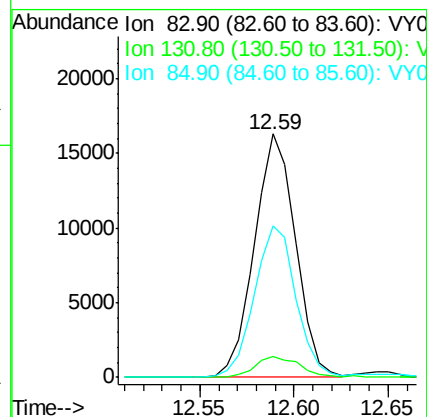
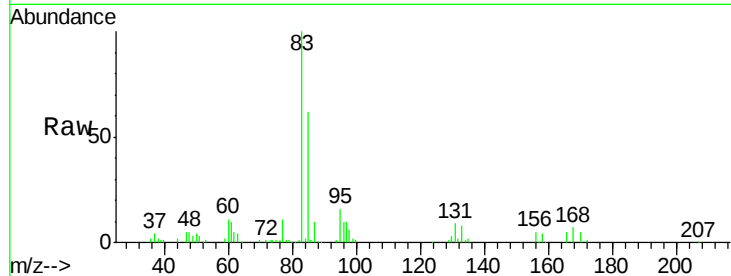
83 100

131 9.4 4.9 14.7

85 62.9 31.5 94.5

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#76

1,2,3-Trichloropropane

Concen: 11.268 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY001636.D

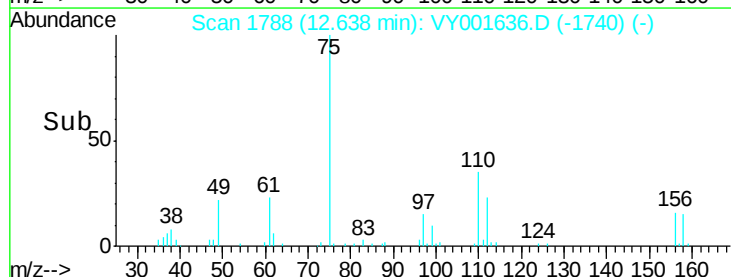
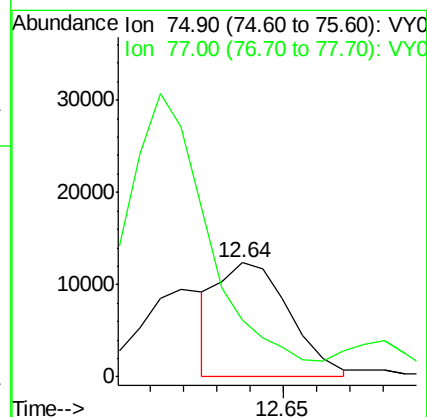
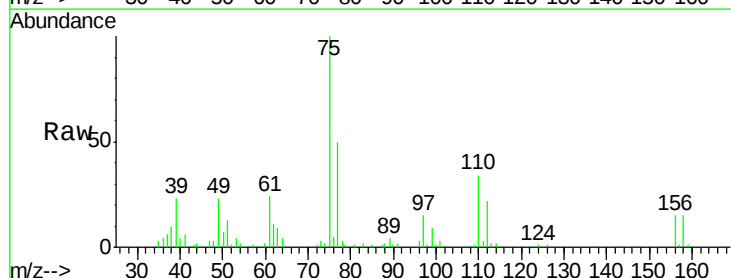
Acq: 17 Feb 2020 10:24

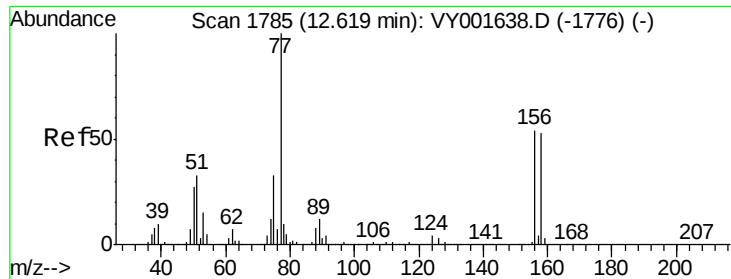
Tgt Ion: 75 Resp: 18345

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.345 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 25787

Ion Ratio Lower Upper

156 100

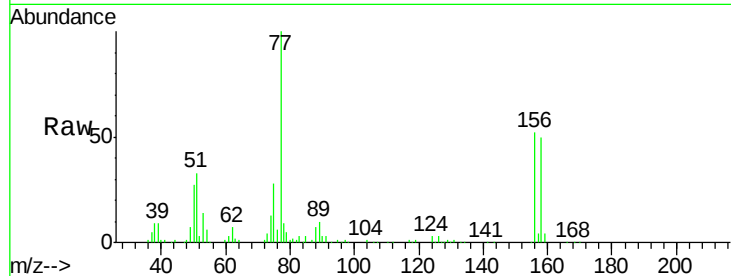
77 213.0 107.8 323.4

158 96.5 48.6 145.9

Manual Integrations
APPROVED

MMDadoda

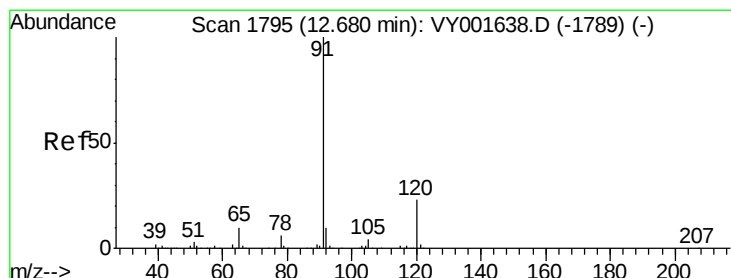
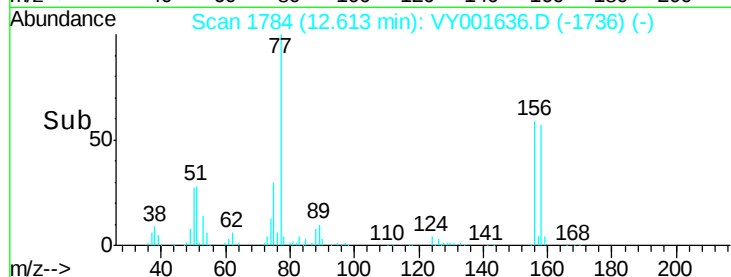
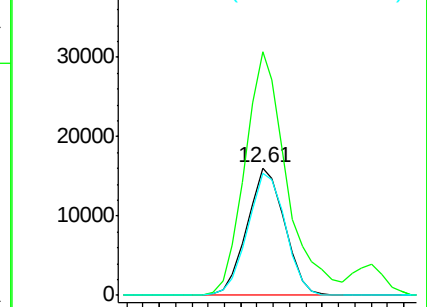
2/19/2020 10:49:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.308 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001636.D

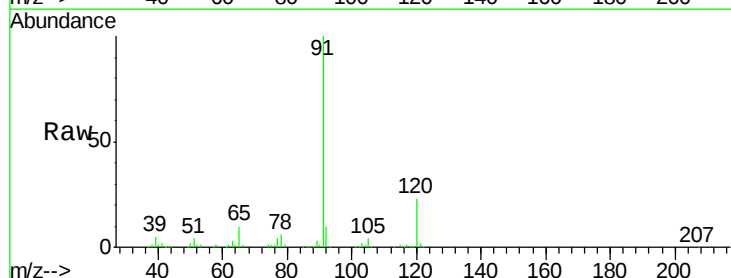
Acq: 17 Feb 2020 10:24

Tgt Ion: 91 Resp: 143029

Ion Ratio Lower Upper

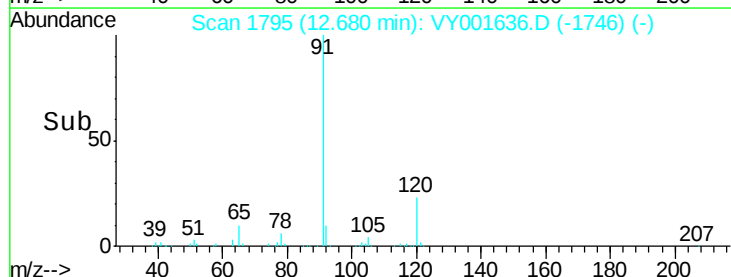
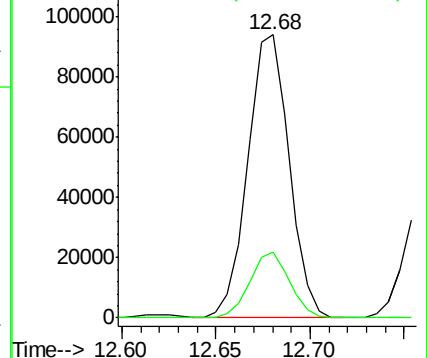
91 100

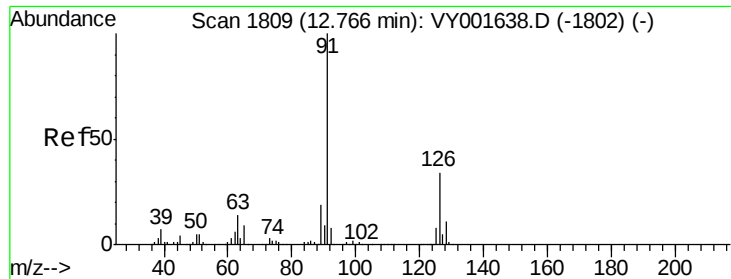
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





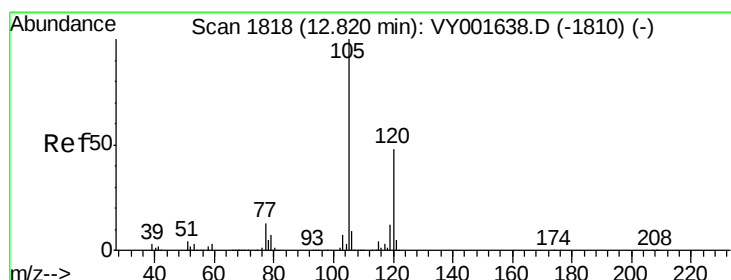
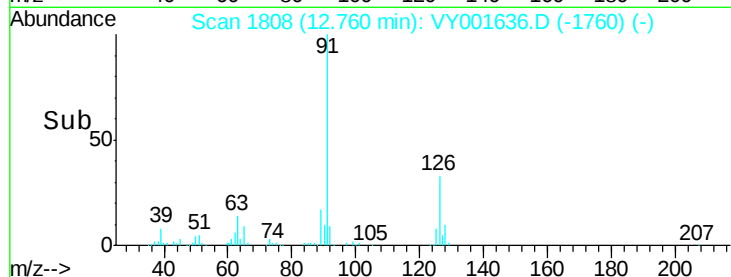
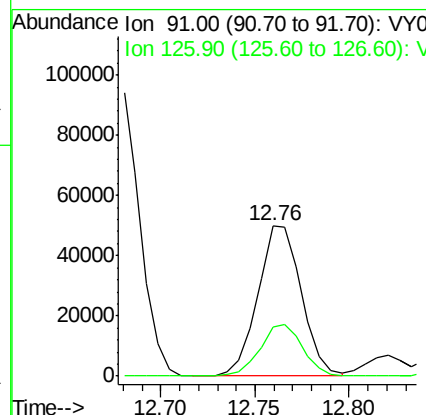
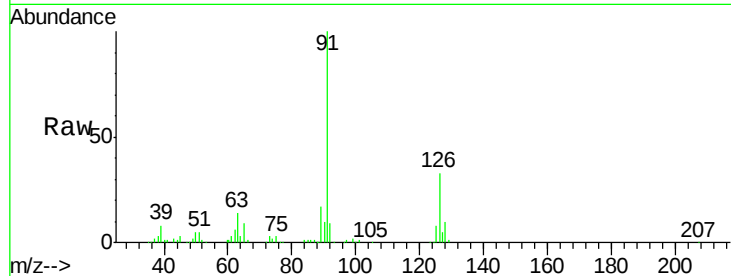
#79
 2-Chlorotoluene
 Concen: 10.166 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 80041
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.4

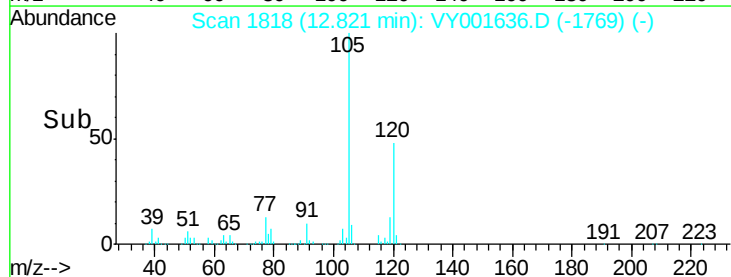
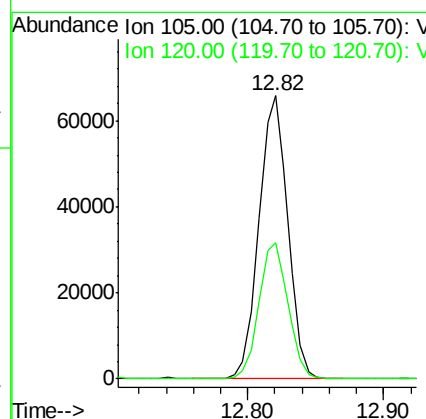
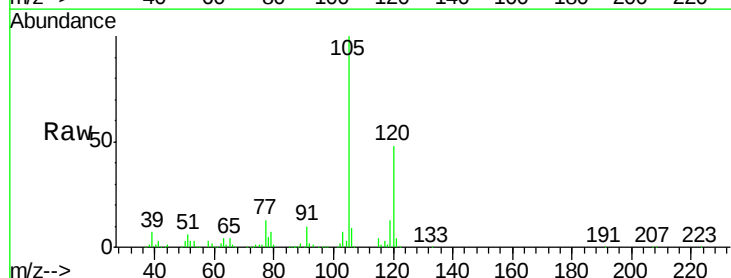
Manual Integrations
 APPROVED

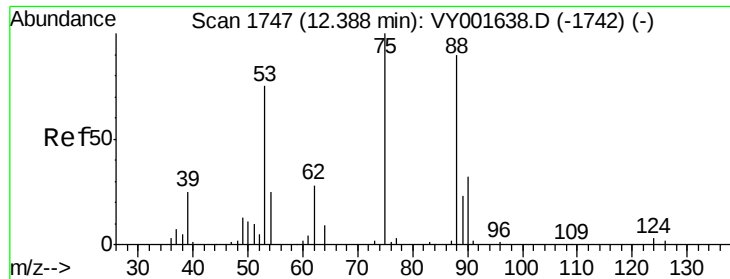
MMDadoda
 2/19/2020 10:49:47 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 10.096 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion: 105 Resp: 97987
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2





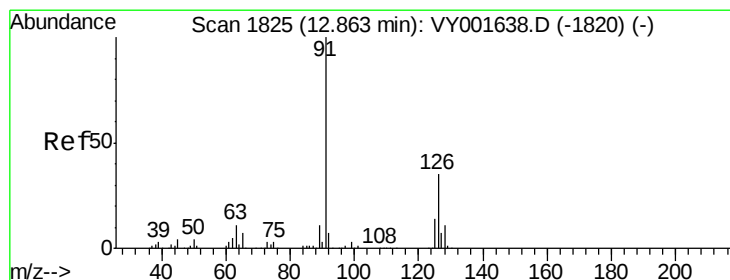
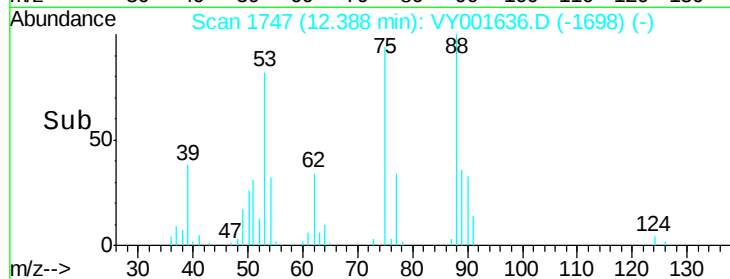
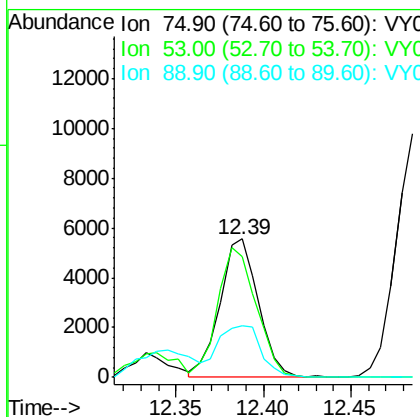
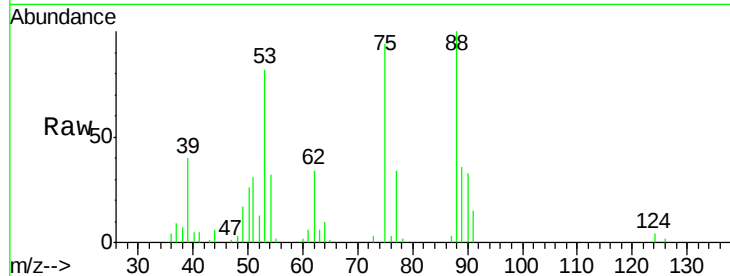
#81
trans-1,4-Dichloro-2-butene
Concen: 9.747 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	63.4	95.0
89	42.4	33.0	49.4

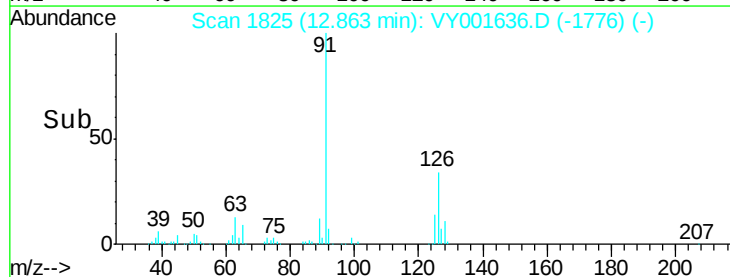
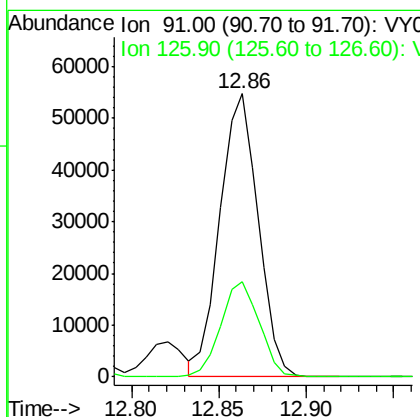
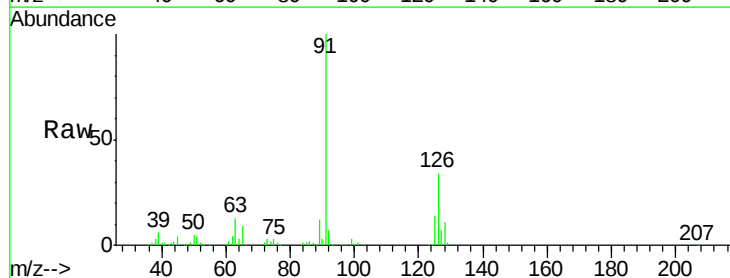
Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#82
4-Chlorotoluene
Concen: 10.030 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.3	48.8





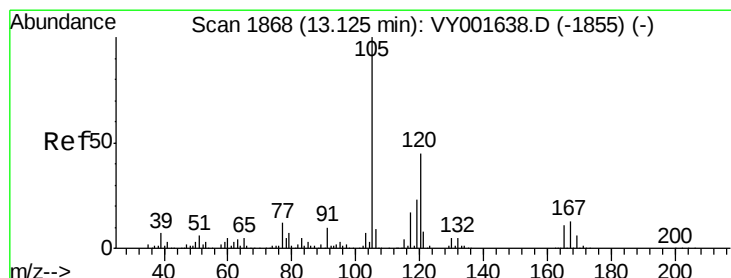
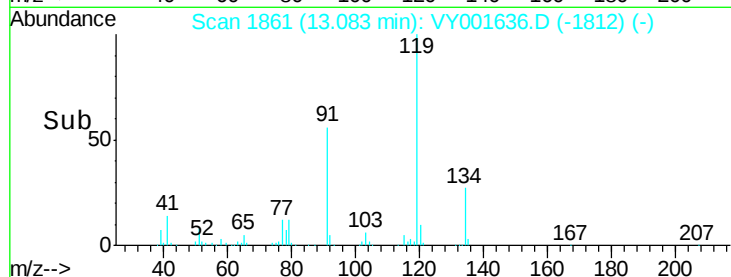
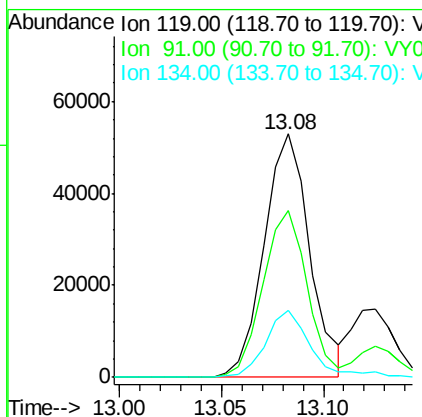
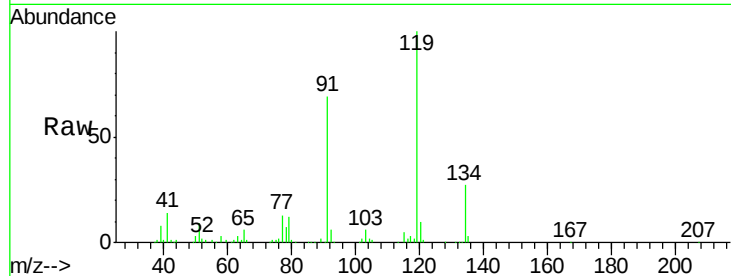
#83
tert-Butylbenzene
Concen: 10.076 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.1	99.5
134	27.5	13.0	39.0

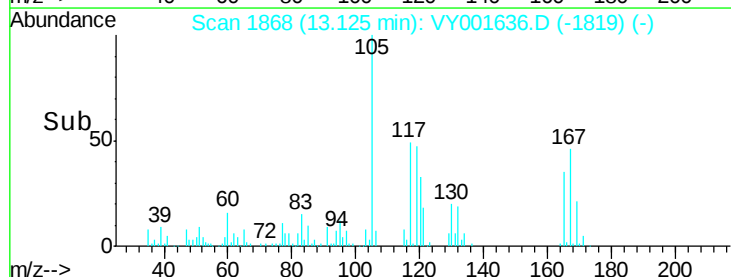
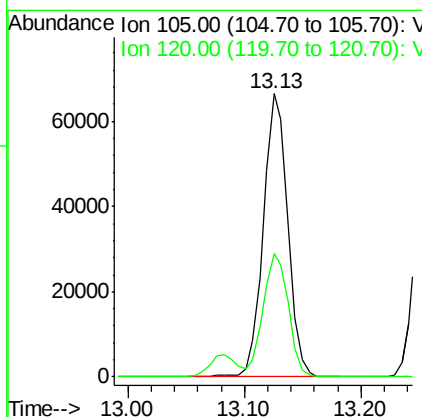
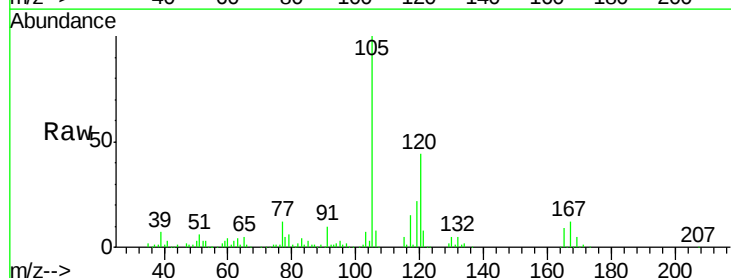
Manual Integrations
APPROVED

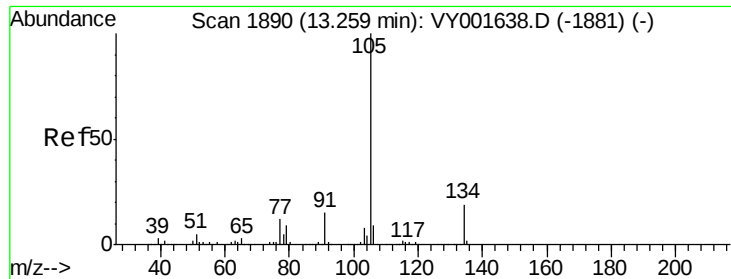
MMDadoda
2/19/2020 10:49:47 AM



#84
1,2,4-Trimethylbenzene
Concen: 10.102 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.4





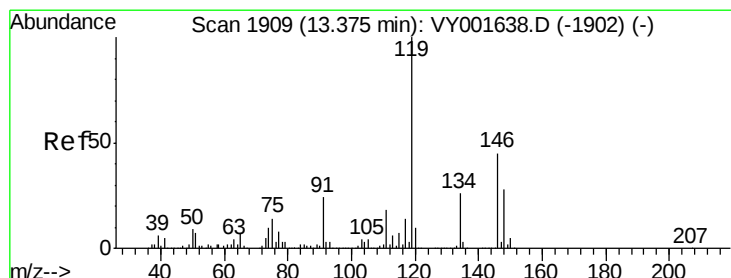
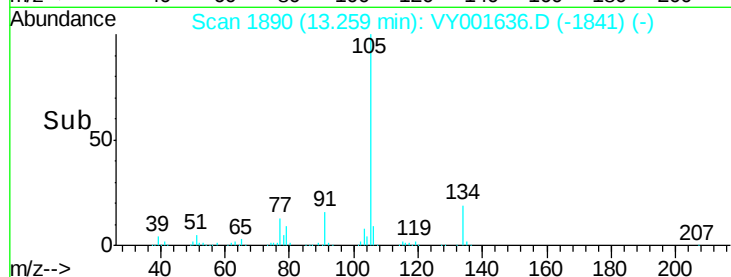
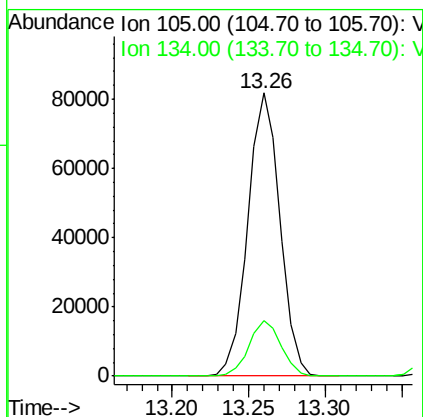
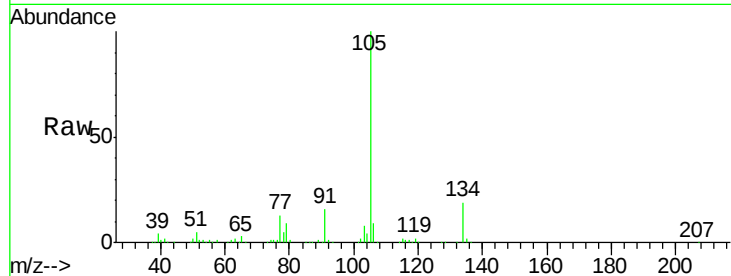
#85
 sec-Butylbenzene
 Concen: 10.282 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

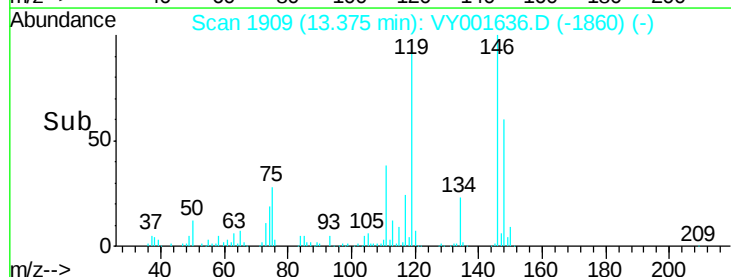
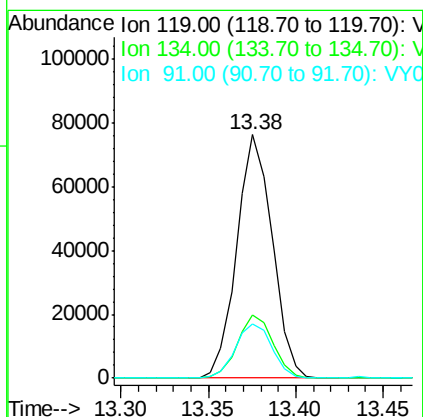
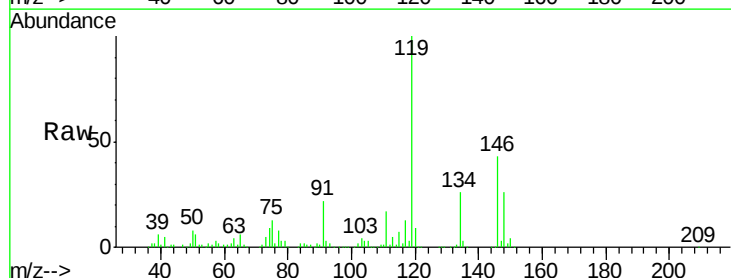
Manual Integrations
 APPROVED

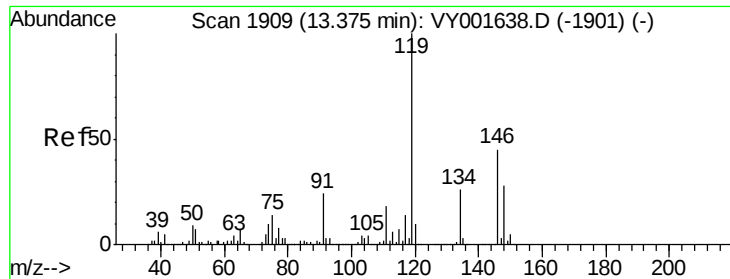
MMDadoda
 2/19/2020 10:49:47 AM



#86
 p-Isopropyltoluene
 Concen: 10.569 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.6
91	23.2	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 10.744 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Instrument :

MSVOA_Y

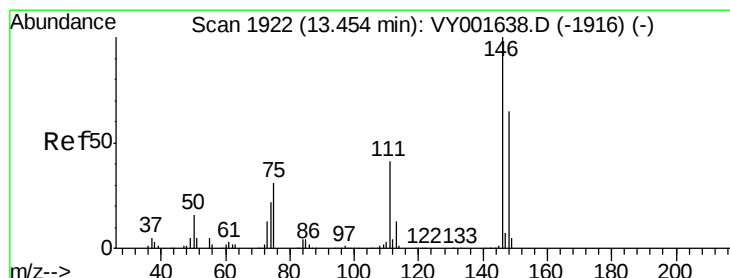
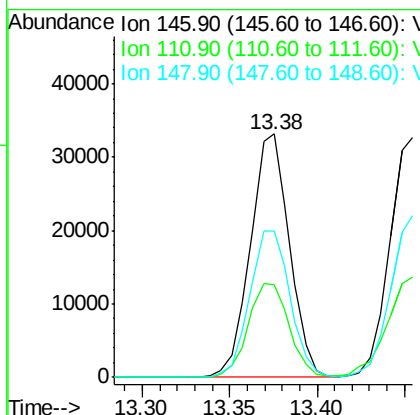
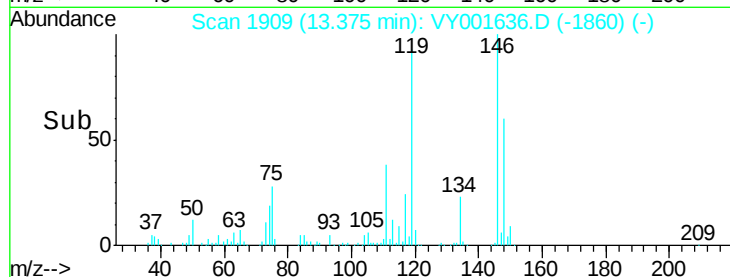
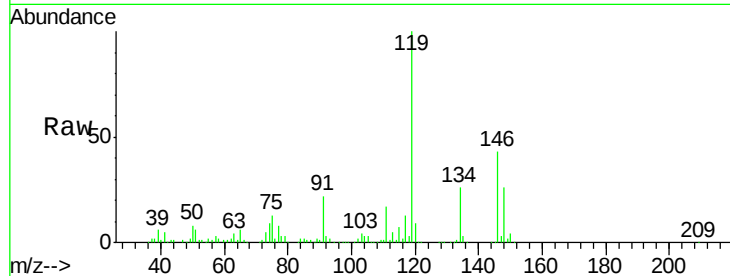
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	62.5	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#88

1,4-Dichlorobenzene

Concen: 10.598 ug/l

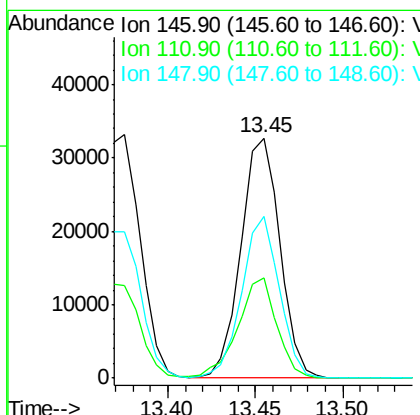
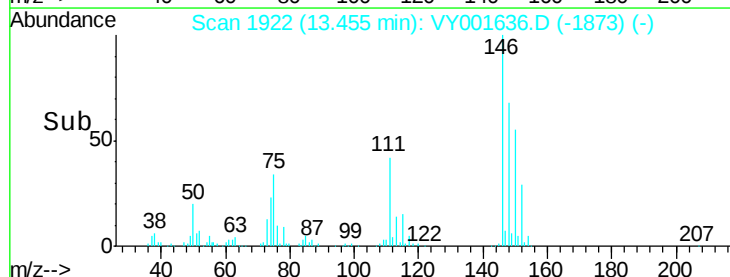
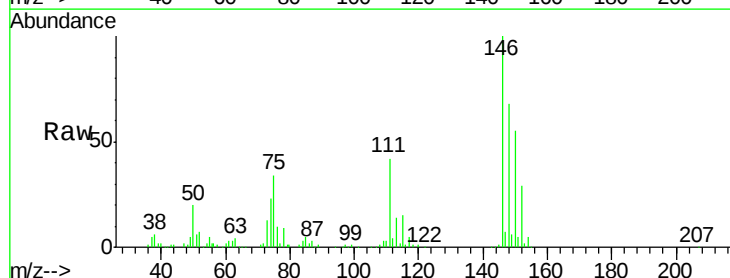
RT: 13.45 min Scan# 1922

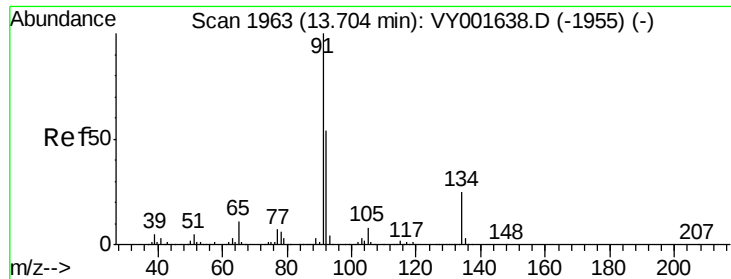
Delta R.T. 0.00 min

Lab File: VY001636.D

Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	64.9	32.0	96.2





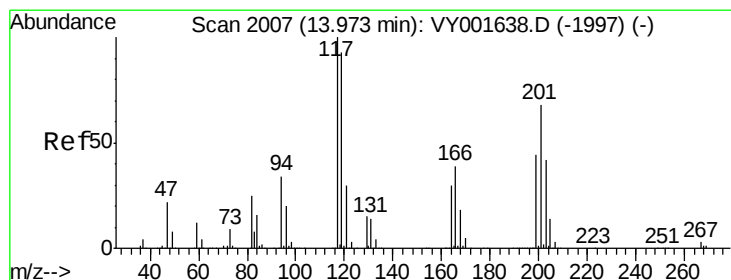
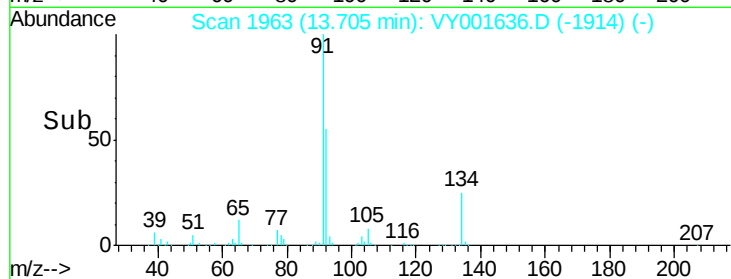
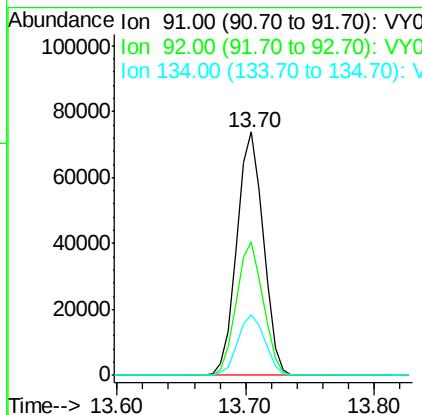
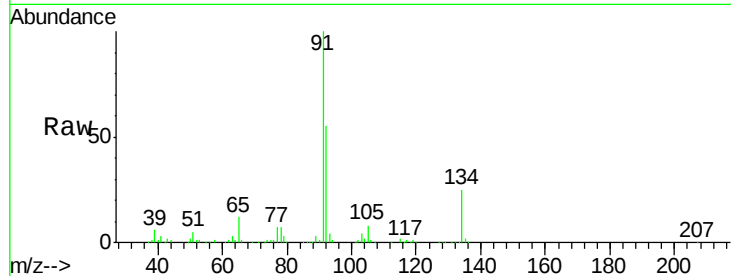
#89
n-Butylbenzene
Concen: 10.442 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.3	81.8
134	25.5	12.6	37.6

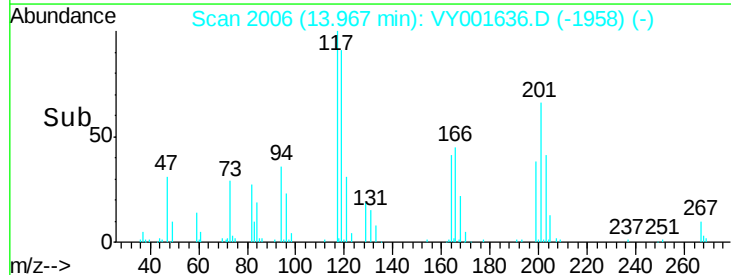
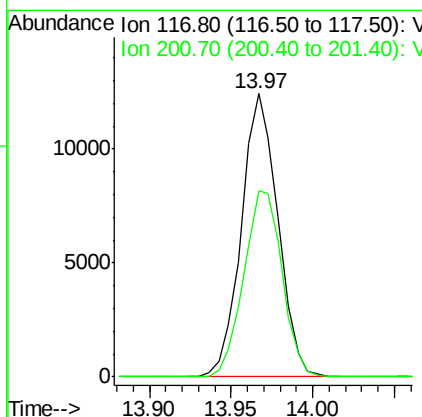
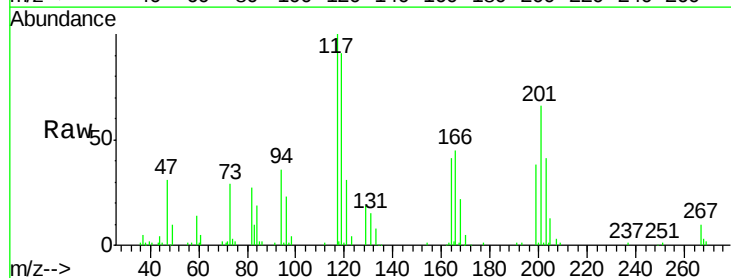
Manual Integrations
APPROVED

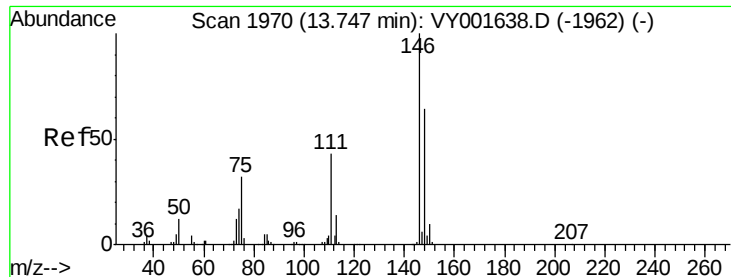
MMDadoda
2/19/2020 10:49:47 AM



#90
Hexachloroethane
Concen: 9.898 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	33.3	99.8





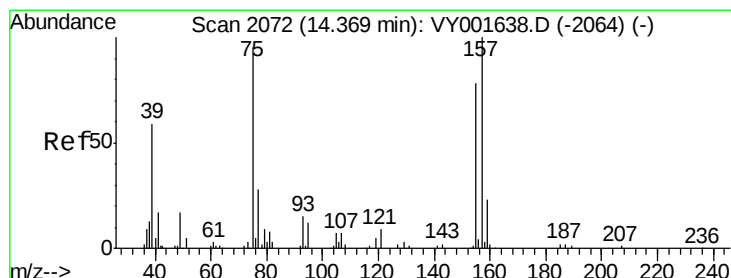
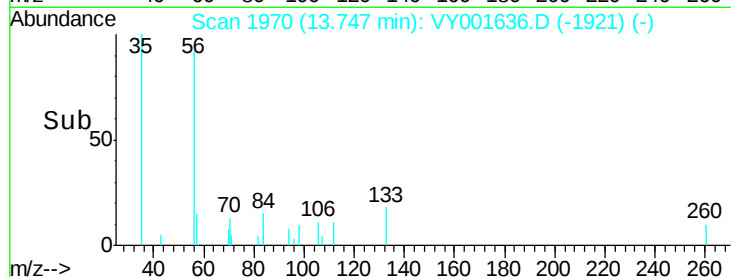
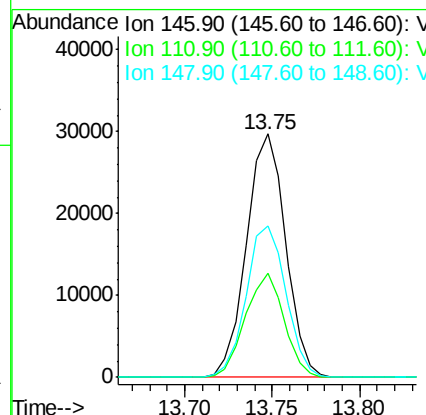
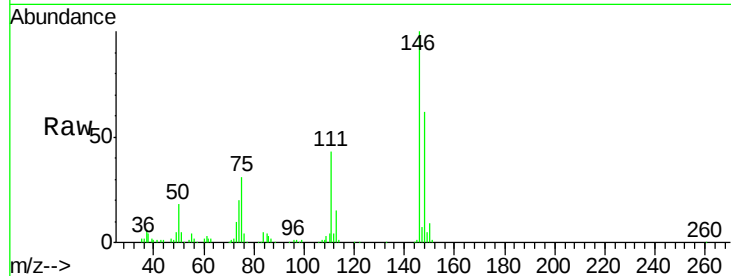
#91
 1,2-Dichlorobenzene
 Concen: 10.599 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	63.4	31.5	94.5

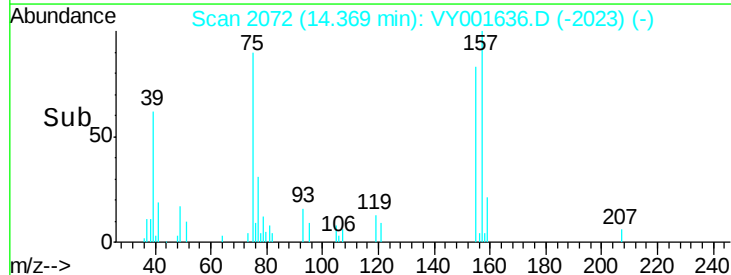
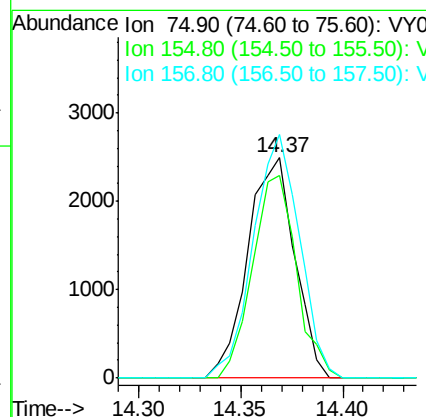
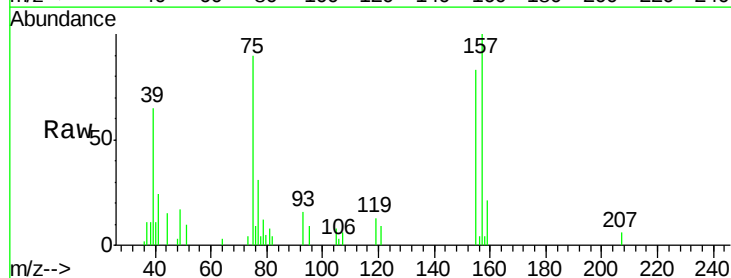
Manual Integrations
 APPROVED

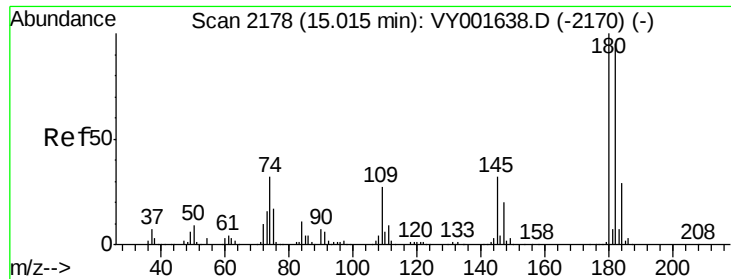
MMDadoda
 2/19/2020 10:49:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.714 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001636.D
 Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	42.1	126.4
157	109.0	53.0	159.1





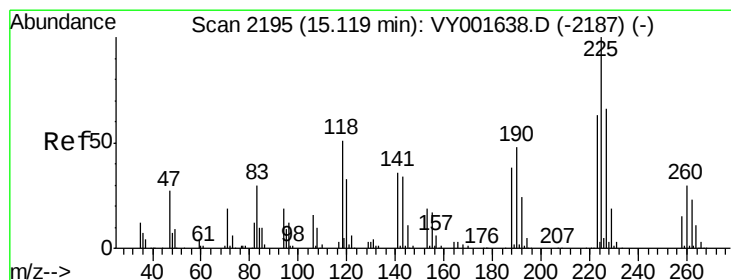
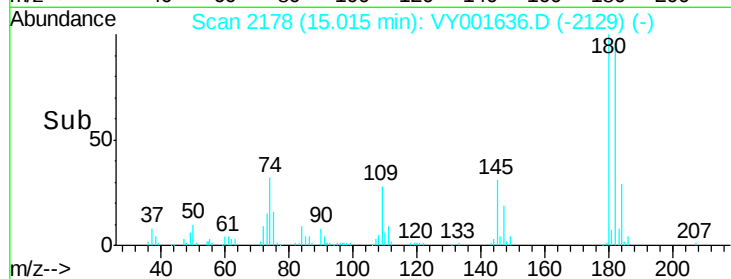
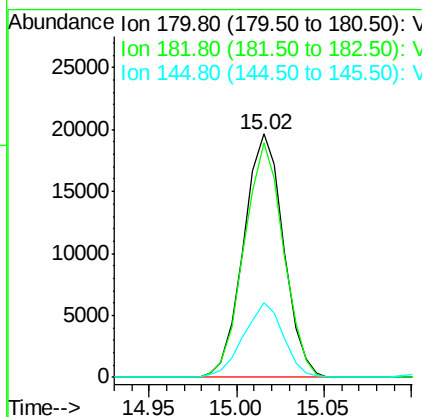
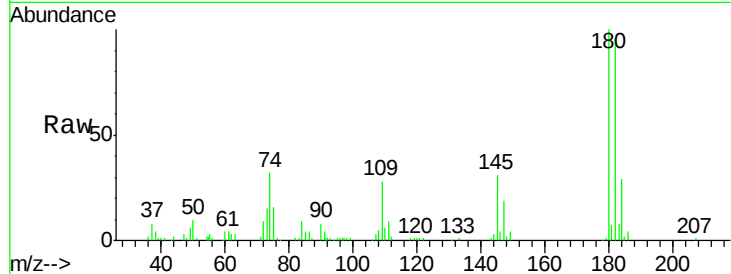
#93
1,2,4-Trichlorobenzene
Concen: 10.599 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.7
145	30.8	15.6	46.8

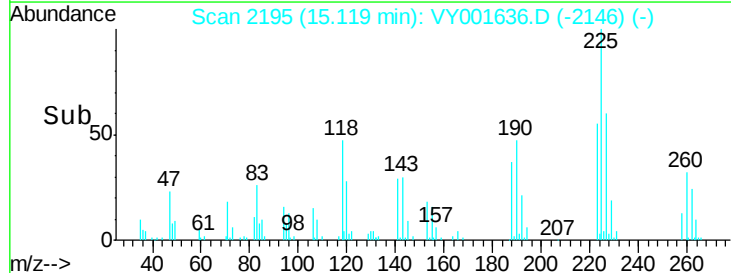
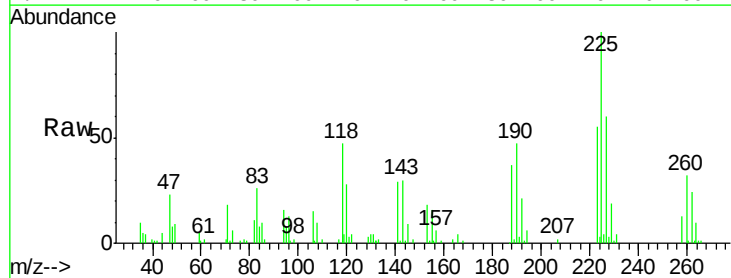
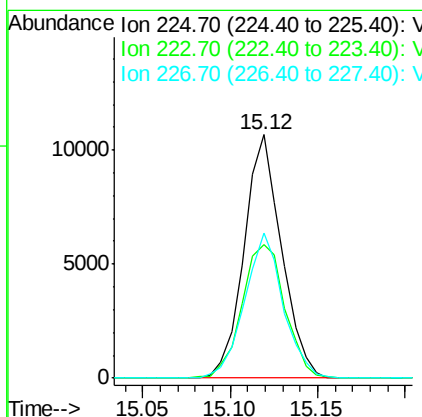
Manual Integrations
APPROVED

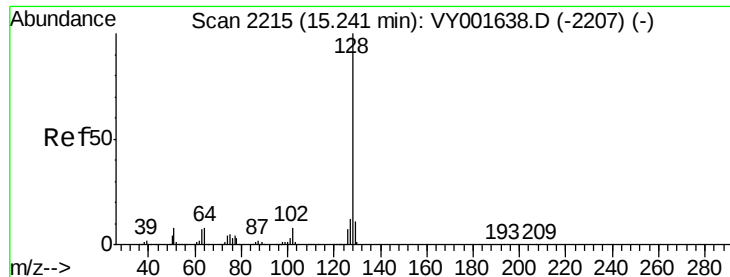
MMDadoda
2/19/2020 10:49:47 AM



#94
Hexachlorobutadiene
Concen: 10.744 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	94.8
227	61.2	32.3	96.8





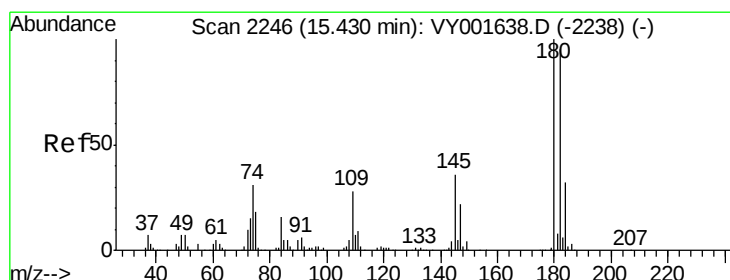
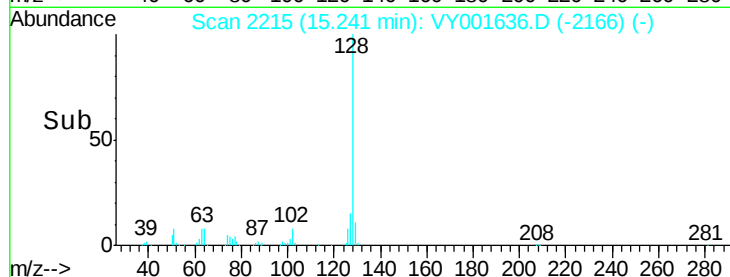
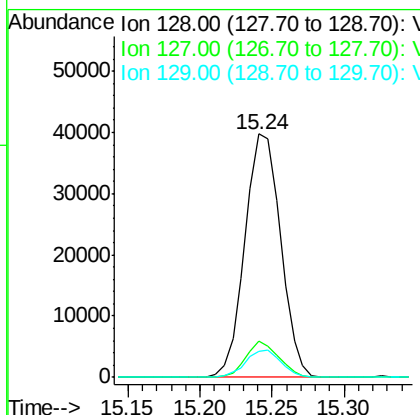
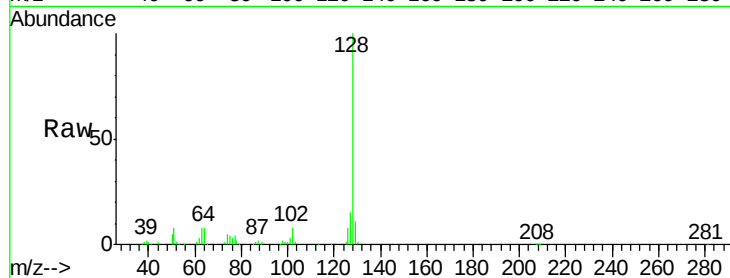
#95
Naphthalene
Concen: 9.779 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.400 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001636.D
Acq: 17 Feb 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	46.9	140.7
145	33.5	16.9	50.6

