

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001622.D
 Acq On : 13 Feb 2020 11:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:06:01 PM

Quant Time: Feb 14 06:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	190647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	333832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	302736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	144074	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	99394	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.75	113	94060	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.19	98	387037	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.49	95	144473	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	80976	43.391	ug/l	99
3) Chloromethane	2.13	50	106742	54.726	ug/l	96
4) Vinyl Chloride	2.27	62	111694	55.150	ug/l	98
5) Bromomethane	2.67	94	72041	56.560	ug/l	98
6) Chloroethane	2.82	64	68774	56.336	ug/l	95
7) Trichlorofluoromethane	3.15	101	146592	43.728	ug/l	96
8) Diethyl Ether	3.55	74	55856	49.375	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	93409	46.309	ug/l	98
10) Methyl Iodide	4.12	142	116932	45.497	ug/l	98
11) Tert butyl alcohol	5.00	59	51921	239.054	ug/l	100
12) 1,1-Dichloroethene	3.90	96	94277	47.035	ug/l	95
13) Acrolein	3.76	56	51236	281.891	ug/l	99
14) Allyl chloride	4.52	41	168778	55.043	ug/l	95
15) Acrylonitrile	5.21	53	150237	289.690	ug/l	99
16) Acetone	3.98	43	165500	298.065	ug/l	99
17) Carbon Disulfide	4.22	76	292769	45.882	ug/l	100
18) Methyl Acetate	4.51	43	67412	56.893	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	260208	48.815	ug/l	97
20) Methylene Chloride	4.76	84	107160	49.215	ug/l	86
21) trans-1,2-Dichloroethene	5.26	96	106073	47.604	ug/l	95
22) Diisopropyl ether	6.16	45	349065	57.460	ug/l	96
23) Vinyl Acetate	6.10	43	1151199	297.678	ug/l	95
24) 1,1-Dichloroethane	6.06	63	183492	50.216	ug/l	97
25) 2-Butanone	7.02	43	223052	309.645	ug/l	91
26) 2,2-Dichloropropane	7.02	77	163385	46.720	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	117683	48.354	ug/l	96
28) Bromochloromethane	7.36	49	79458	63.832	ug/l	87
29) Tetrahydrofuran	7.38	42	132393	306.640	ug/l	93
30) Chloroform	7.54	83	176875	47.787	ug/l	99
31) Cyclohexane	7.81	56	186224	49.822	ug/l	93
32) 1,1,1-Trichloroethane	7.73	97	154589	46.066	ug/l	97
36) 1,1-Dichloropropene	7.94	75	148731	48.701	ug/l	99
37) Ethyl Acetate	7.10	43	88289	59.720	ug/l	95
38) Carbon Tetrachloride	7.93	117	135493	45.857	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001622.D
 Acq On : 13 Feb 2020 11:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:06:01 PM

Quant Time: Feb 14 06:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	195762	48.683	ug/l	98
40) Benzene	8.19	78	439139	50.413	ug/l	100
41) Methacrylonitrile	7.35	41	38510m	56.204	ug/l	
42) 1,2-Dichloroethane	8.26	62	118877	48.985	ug/l	99
43) Isopropyl Acetate	8.30	43	170098	58.110	ug/l	95
44) Trichloroethene	8.96	130	108564	46.237	ug/l	99
45) 1,2-Dichloropropane	9.24	63	110760	52.657	ug/l	99
46) Dibromomethane	9.32	93	57529	48.707	ug/l	100
47) Bromodichloromethane	9.52	83	138034	47.964	ug/l	100
48) Methyl methacrylate	9.31	41	76916	57.895	ug/l	91
49) 1,4-Dioxane	9.32	88	15868	1017.264	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	443265	307.495	ug/l	95
52) Toluene	10.25	92	276416	50.011	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	153998	49.130	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	176913	49.162	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	84739	50.004	ug/l	98
56) Ethyl methacrylate	10.52	69	128353	53.251	ug/l	92
57) 1,3-Dichloropropane	10.80	76	149439	50.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	256222	288.961	ug/l	95
59) 2-Hexanone	10.84	43	337218	321.735	ug/l	96
60) Dibromochloromethane	10.99	129	94982	47.549	ug/l	99
61) 1,2-Dibromoethane	11.10	107	82127	49.204	ug/l	99
64) Tetrachloroethene	10.73	164	87722	44.184	ug/l	98
65) Chlorobenzene	11.52	112	282566	47.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	98022	47.116	ug/l	99
67) Ethyl Benzene	11.60	91	532604	48.460	ug/l	98
68) m/p-Xylenes	11.71	106	397769	96.407	ug/l	99
69) o-Xylene	12.03	106	189283	48.657	ug/l	98
70) Styrene	12.05	104	333442	49.565	ug/l	99
71) Bromoform	12.22	173	56699	48.944	ug/l	# 99
73) Isopropylbenzene	12.33	105	514521	46.825	ug/l	99
74) N-amyl acetate	12.15	43	165205	57.858	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	110270	52.819	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	80155m	51.734	ug/l	
77) Bromobenzene	12.61	156	110072	46.288	ug/l	92
78) n-propylbenzene	12.67	91	637539	48.464	ug/l	99
79) 2-Chlorotoluene	12.76	91	351566	46.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	430874	46.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	41690	52.065	ug/l	98
82) 4-Chlorotoluene	12.86	91	376351	47.871	ug/l	100
83) tert-Butylbenzene	13.08	119	369046	47.180	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	427935	46.723	ug/l	100
85) sec-Butylbenzene	13.26	105	534572	48.607	ug/l	99
86) p-Isopropyltoluene	13.38	119	468560	48.347	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	217301	47.682	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	217684	47.679	ug/l	100
89) n-Butylbenzene	13.70	91	480667	50.267	ug/l	99
90) Hexachloroethane	13.97	117	86980	46.760	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	198050	47.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17866	46.356	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
Data File : VY001622.D
Acq On : 13 Feb 2020 11:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

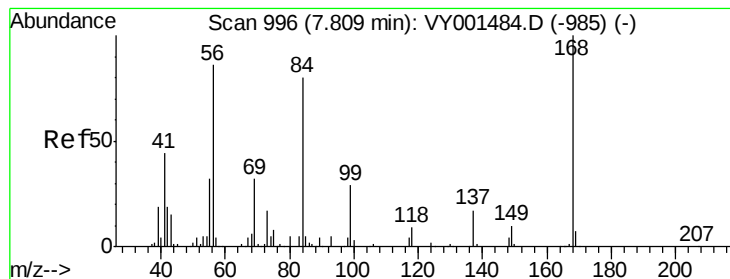
Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM

Quant Time: Feb 14 06:41:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129800	46.639	ug/l	98
94) Hexachlorobutadiene	15.12	225	65801	46.585	ug/l	98
95) Naphthalene	15.24	128	305028	46.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	114524	46.617	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 190647

Ion Ratio Lower Upper

168 100

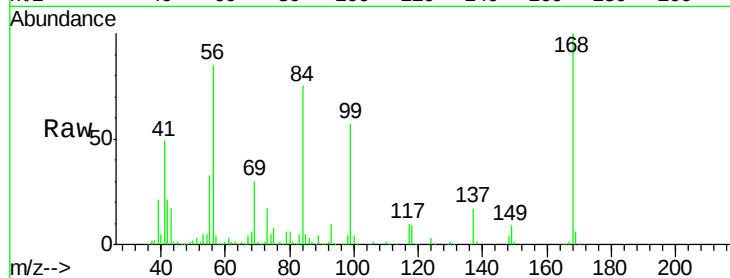
99 57.3 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM

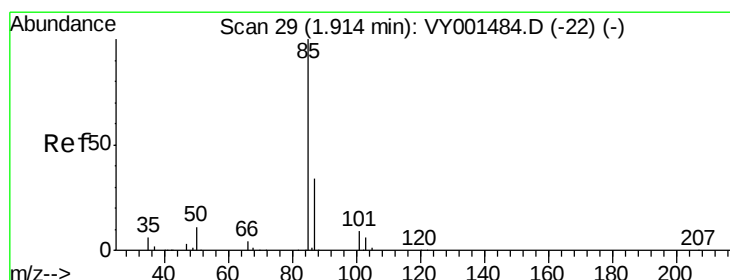
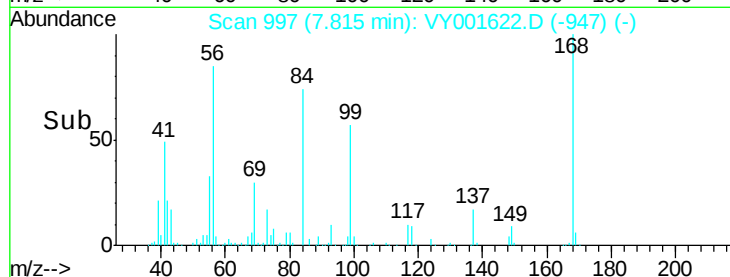


Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

Time-->



#2

Dichlorodifluoromethane

Concen: 43.391 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001622.D

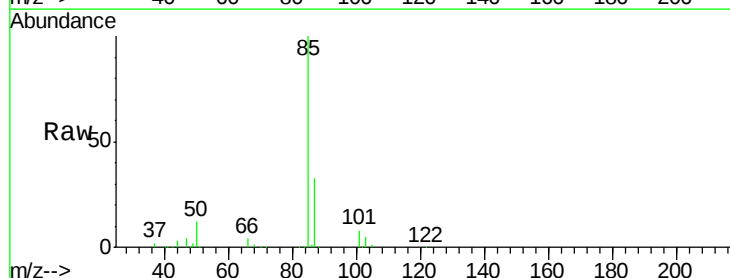
Acq: 13 Feb 2020 11:18

Tgt Ion: 85 Resp: 80976

Ion Ratio Lower Upper

85 100

87 33.1 17.0 50.9

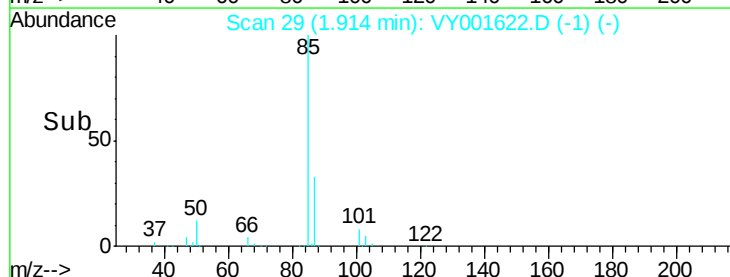


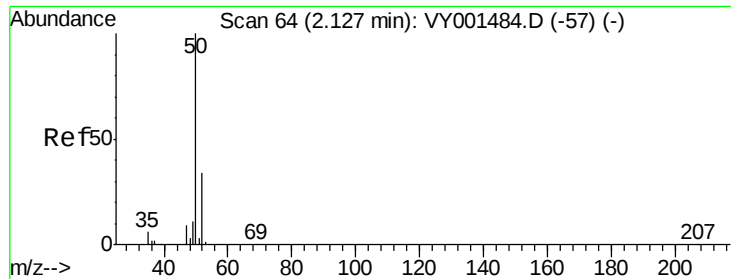
Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.91

Time-->





#3

Chloromethane

Concen: 54.726 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106742

Ion Ratio Lower Upper

50 100

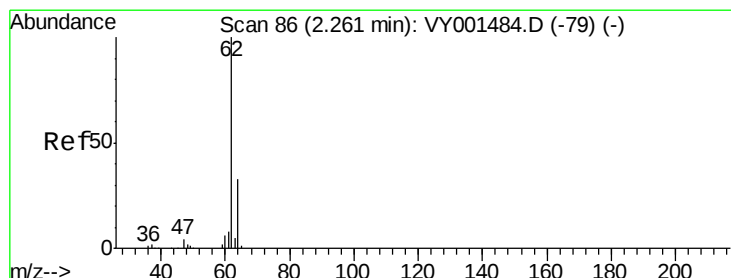
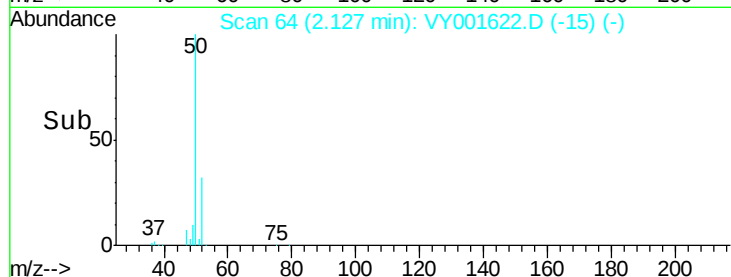
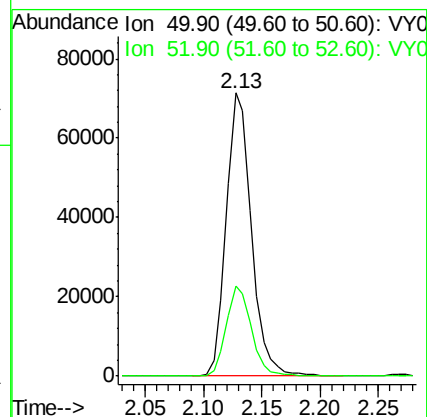
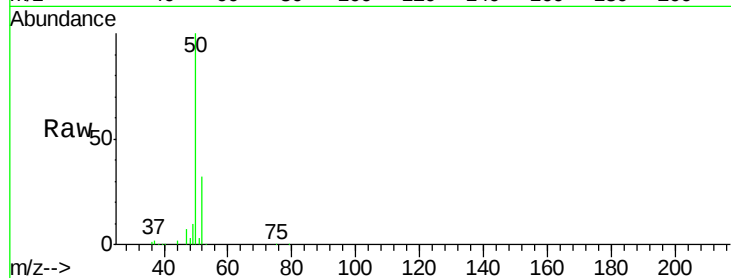
52 31.9 27.3 40.9

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM



#4

Vinyl Chloride

Concen: 55.150 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001622.D

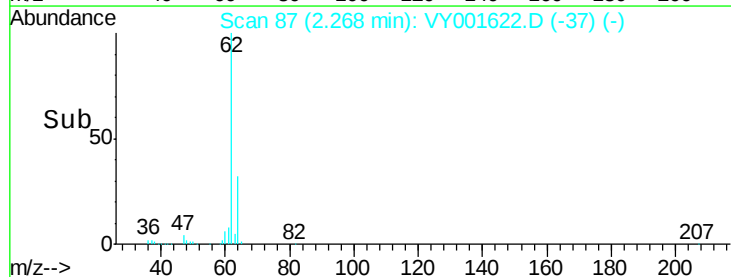
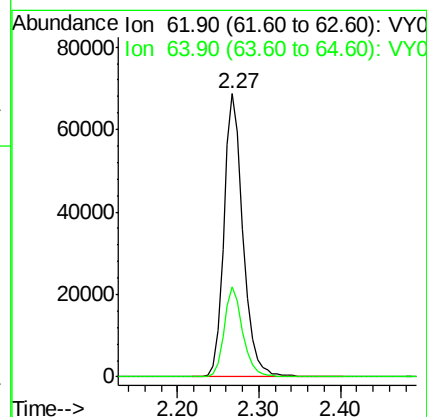
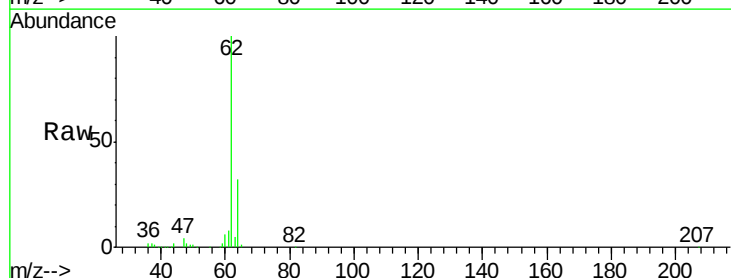
Acq: 13 Feb 2020 11:18

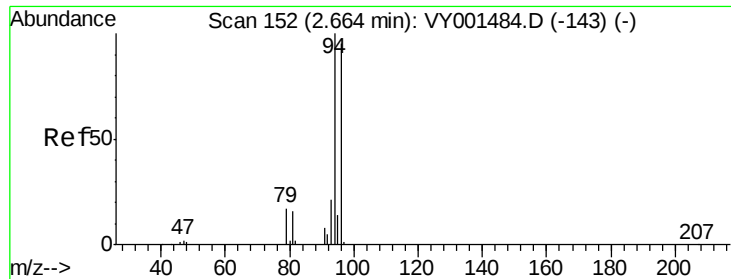
Tgt Ion: 62 Resp: 111694

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 56.560 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72041

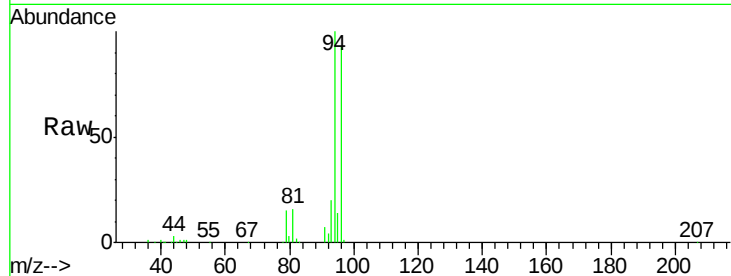
Ion Ratio Lower Upper

94 100

96 93.5 76.2 114.2

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VY001622.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001622.D (-103) (-)

2.67

40000

30000

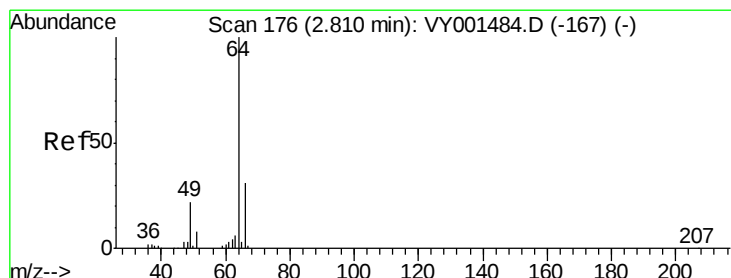
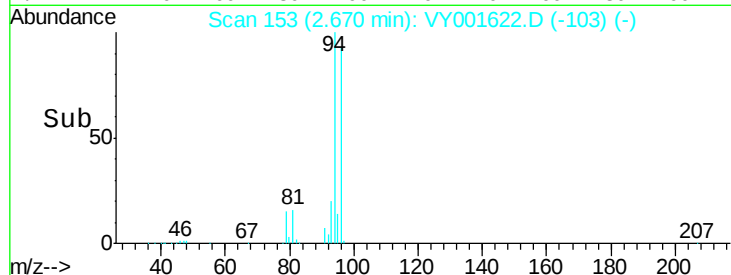
20000

10000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 56.336 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001622.D

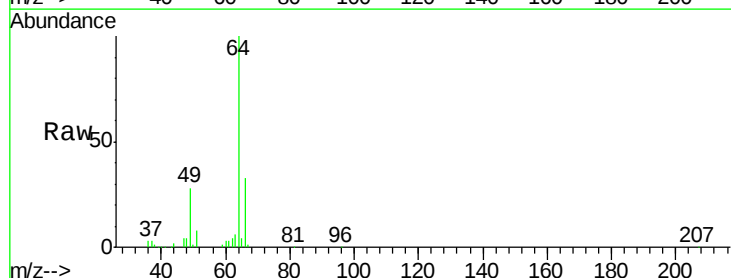
Acq: 13 Feb 2020 11:18

Tgt Ion: 64 Resp: 68774

Ion Ratio Lower Upper

64 100

66 33.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY001622.D (-127) (-)

Ion 65.90 (65.60 to 66.60): VY001622.D (-127) (-)

2.82

30000

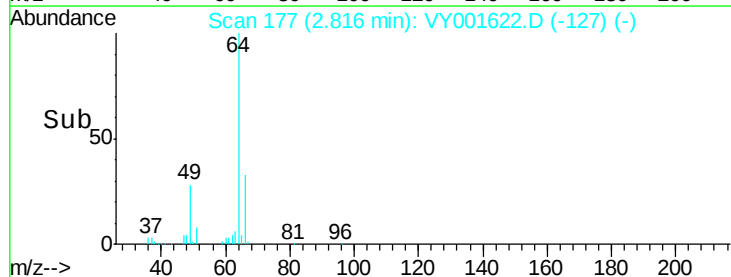
20000

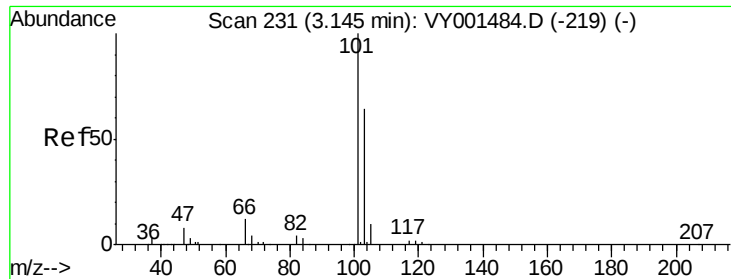
10000

0

Time-->

2.70 2.80 2.90





#7

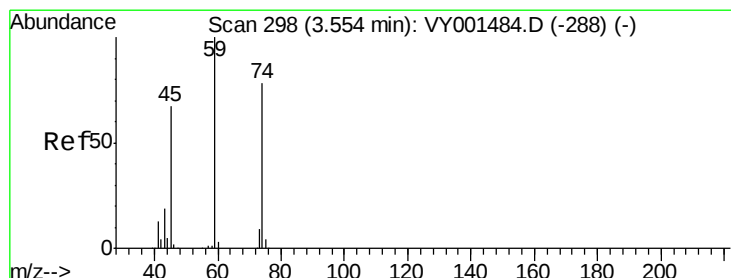
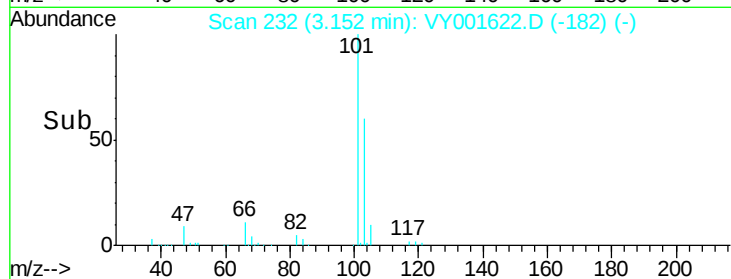
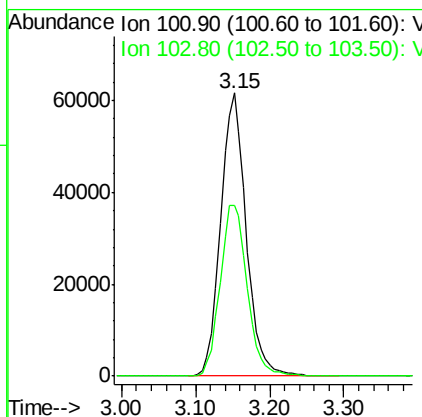
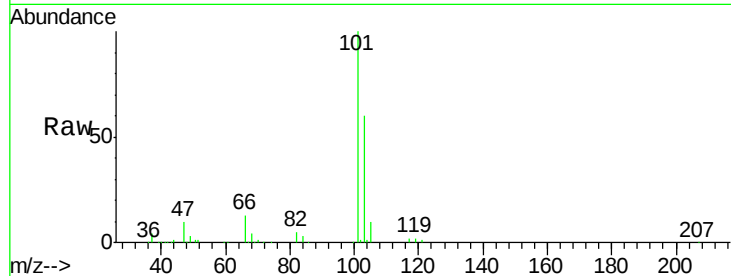
Trichlorofluoromethane
Concen: 43.728 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	146592		
103	60.4	50.9	76.3	

Manual Integrations
APPROVED

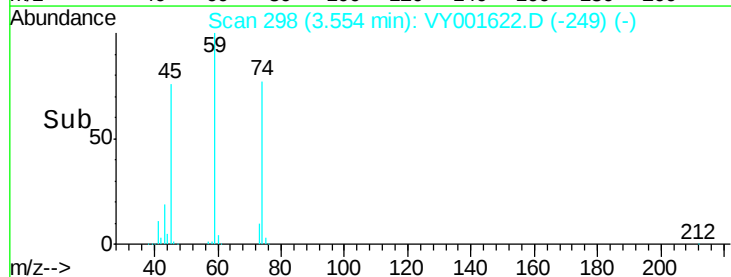
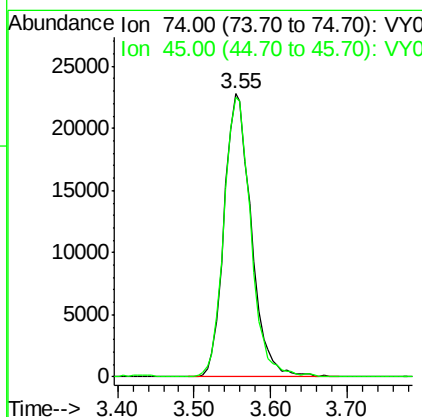
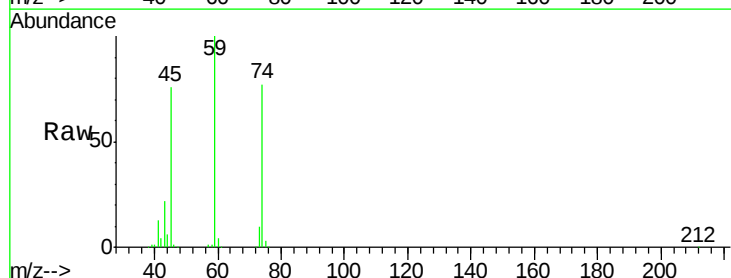
MMDadoda
2/14/2020 5:06:01 PM

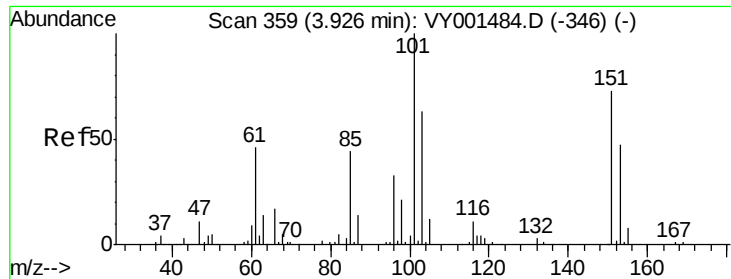


#8

Diethyl Ether
Concen: 49.375 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55856		
45	97.9	44.5	133.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.309 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

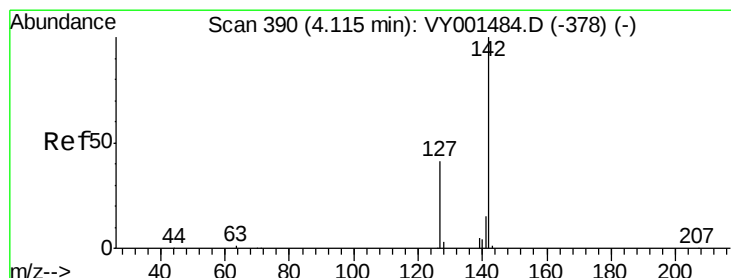
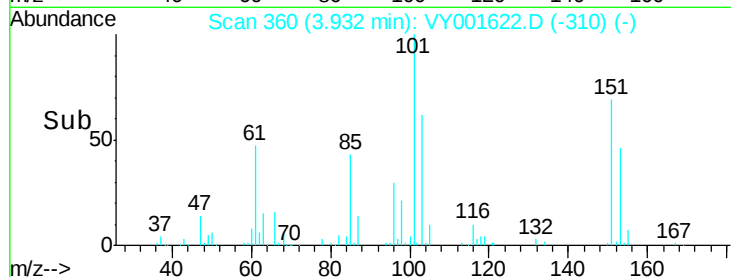
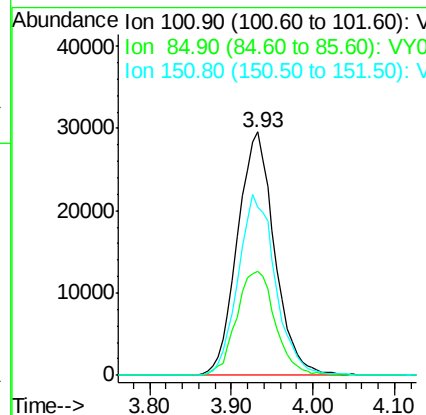
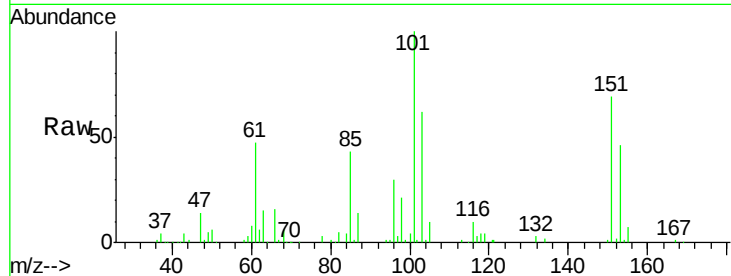
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93409
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.6	51.8
151	74.4	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#10

Methyl Iodide

Concen: 45.497 ug/l

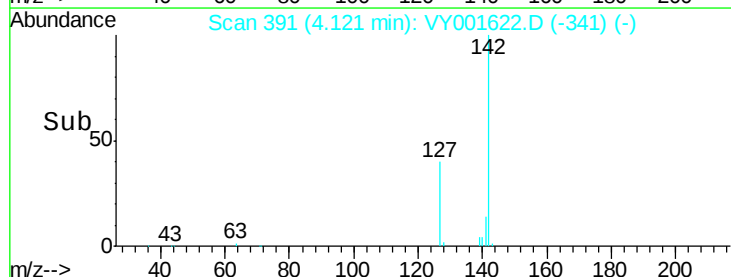
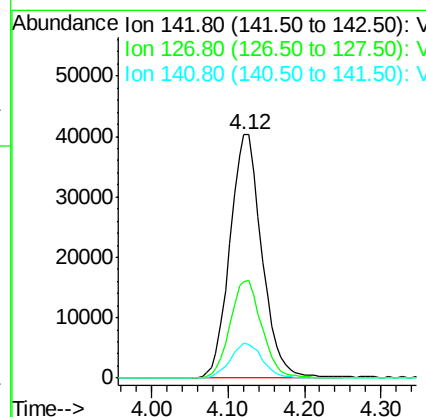
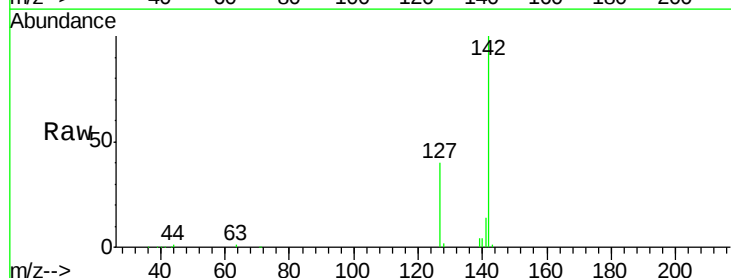
RT: 4.12 min Scan# 391

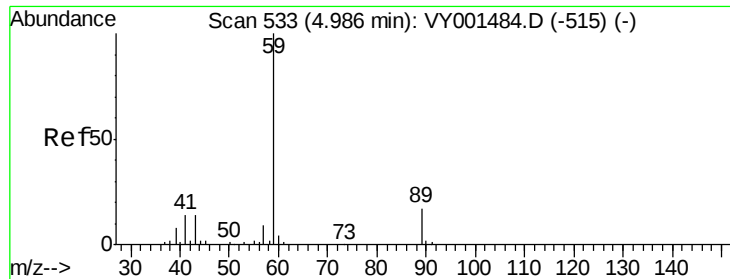
Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	142	Resp:	116932
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.3	49.9
141	14.2	11.5	17.3





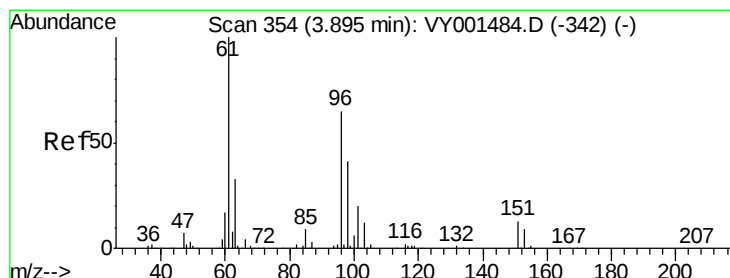
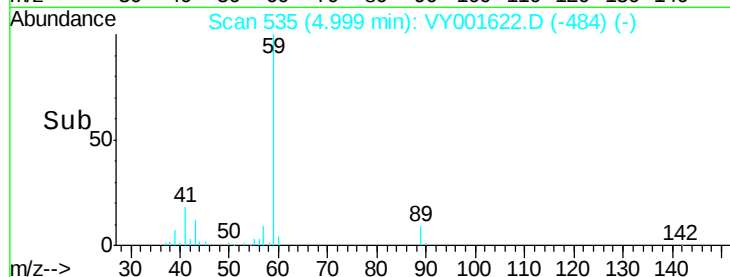
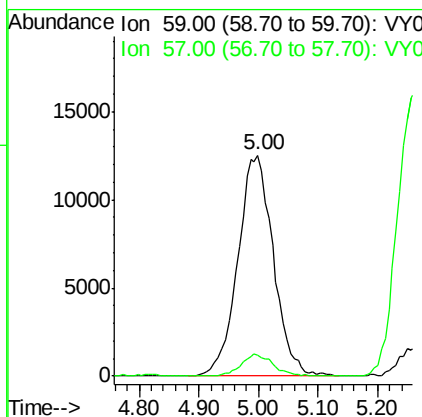
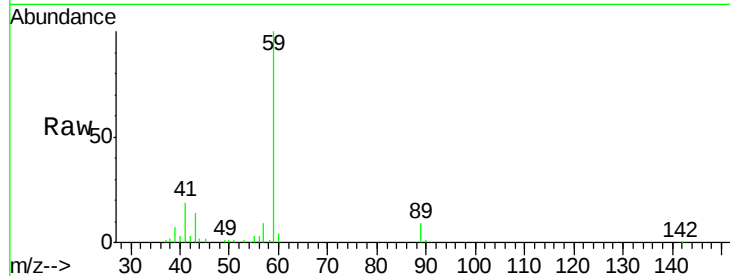
#11
Tert butyl alcohol
Concen: 239.054 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 51921
Ion Ratio Lower Upper
59 100
57 8.8 7.0 10.6

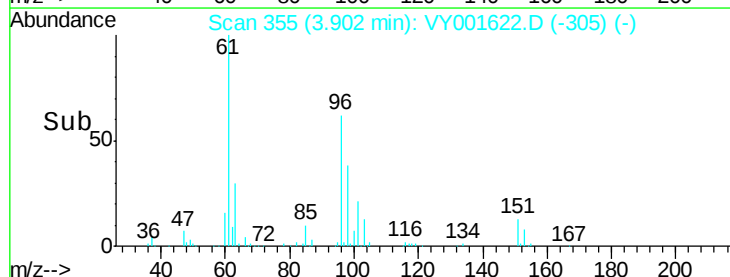
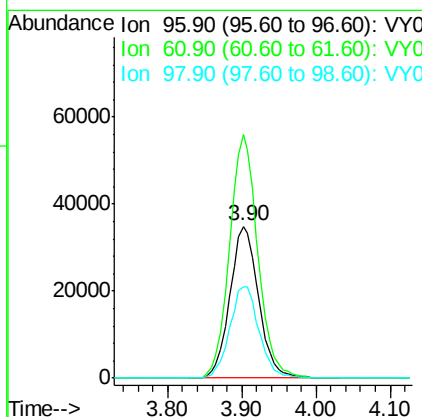
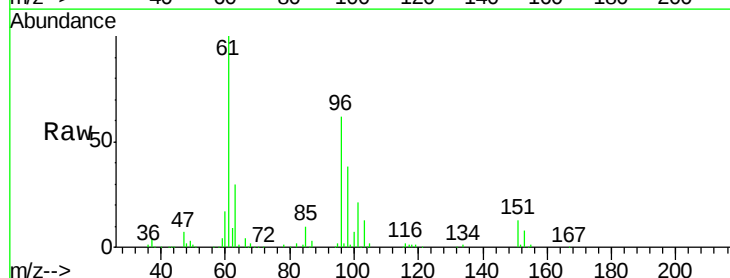
Manual Integrations
APPROVED

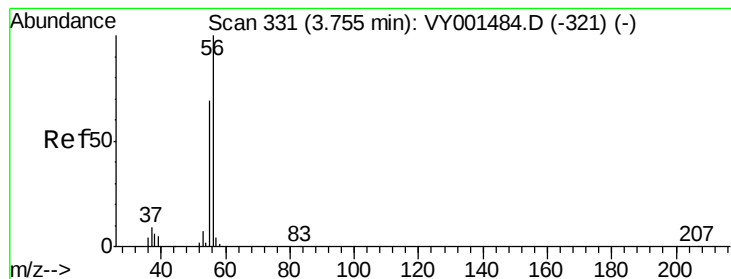
MMDadoda
2/14/2020 5:06:01 PM



#12
1,1-Dichloroethene
Concen: 47.035 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion: 96 Resp: 94277
Ion Ratio Lower Upper
96 100
61 160.7 122.3 183.5
98 60.3 49.7 74.5





#13

Acrolein

Concen: 281.891 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51236

Ion Ratio Lower Upper

56 100

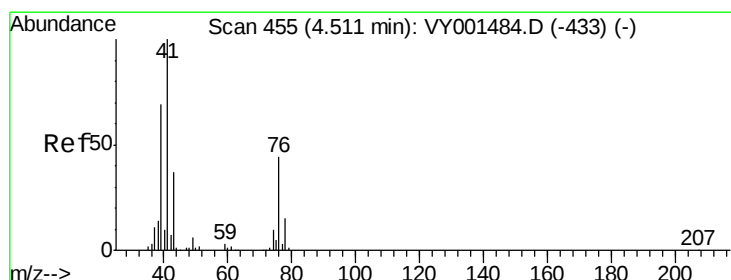
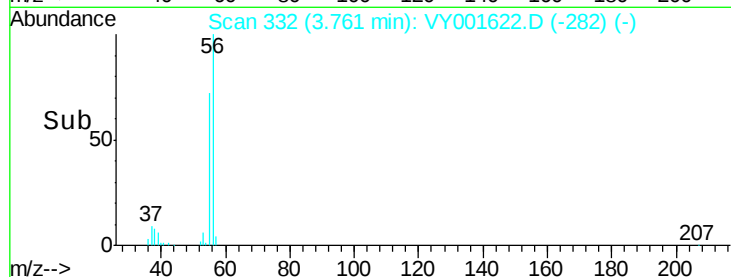
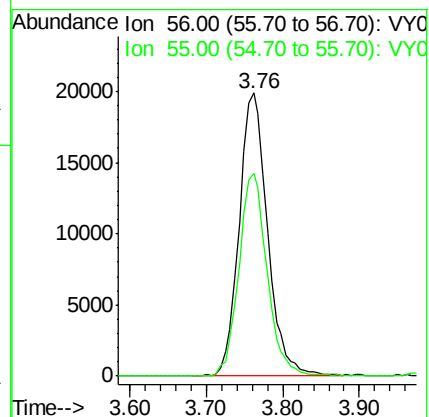
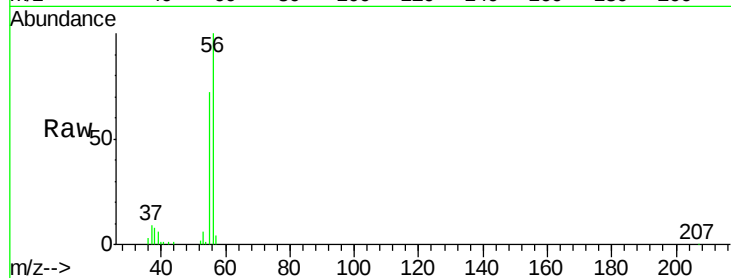
55 71.3 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM



#14

Allyl chloride

Concen: 55.043 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

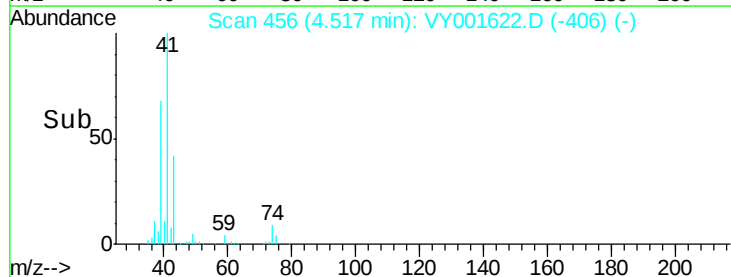
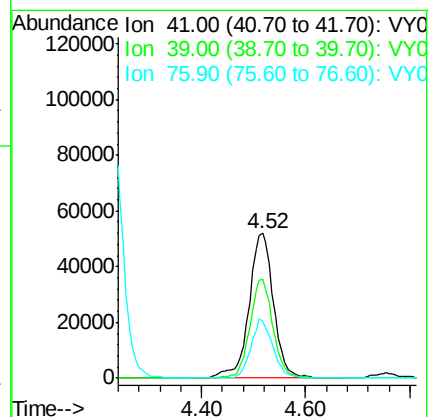
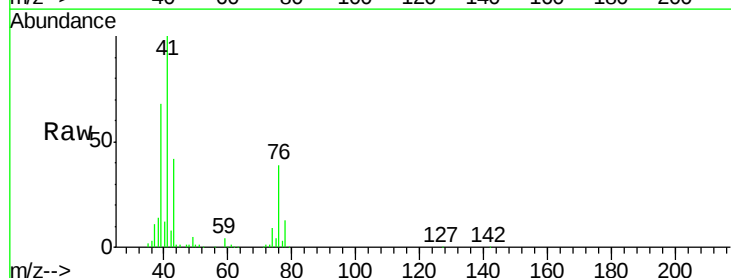
Tgt Ion: 41 Resp: 168778

Ion Ratio Lower Upper

41 100

39 64.2 53.0 79.6

76 36.0 32.6 48.8





#15

Acrylonitrile

Concen: 289.690 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

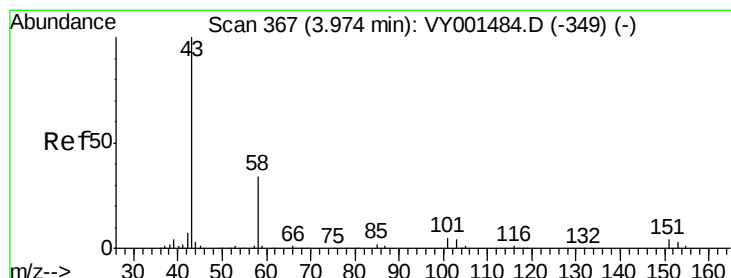
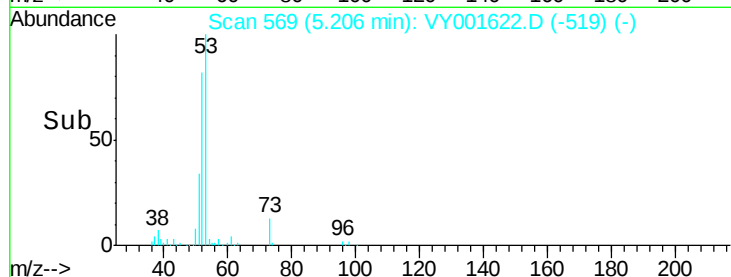
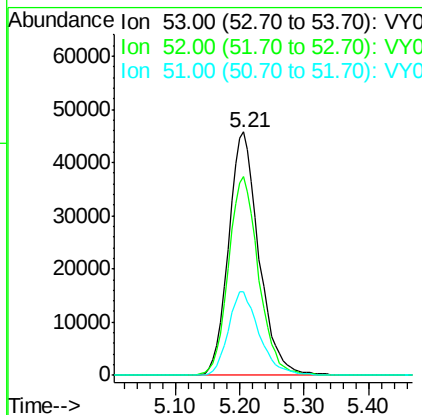
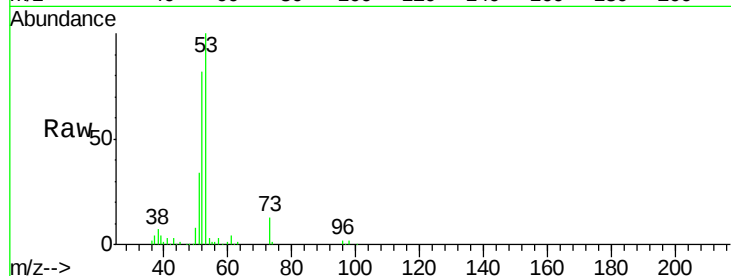
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	150237
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.4	98.2
51	35.2	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#16

Acetone

Concen: 298.065 ug/l

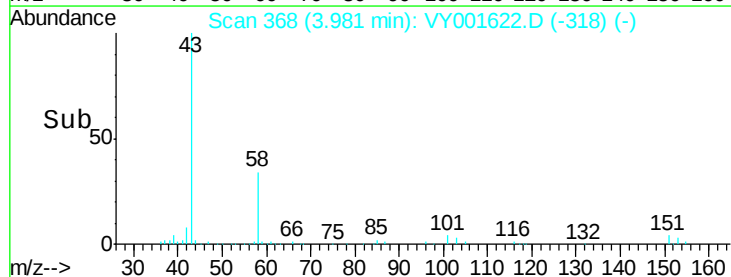
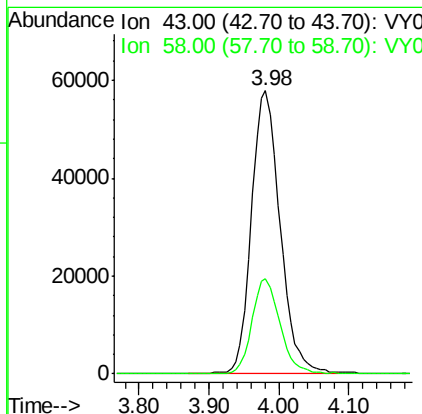
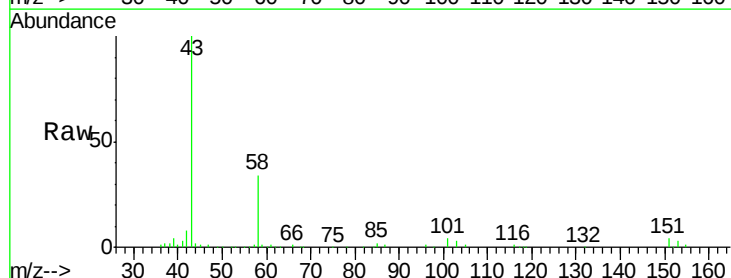
RT: 3.98 min Scan# 368

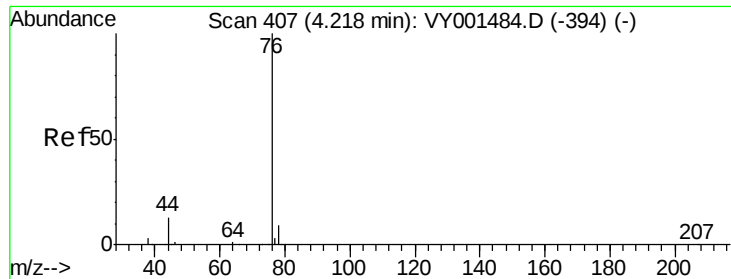
Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	43	Resp:	165500
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.5	41.3





#17

Carbon Disulfide

Concen: 45.882 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 292769

Ion Ratio Lower Upper

76 100

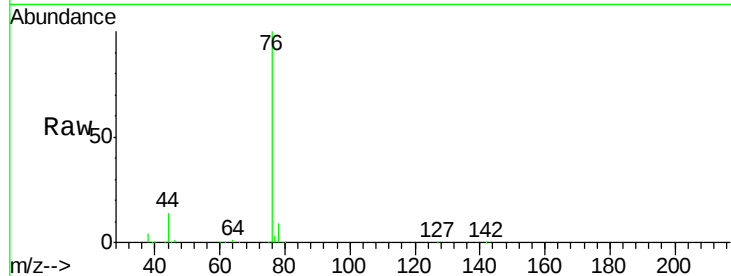
78 8.8 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

120000

100000

80000

60000

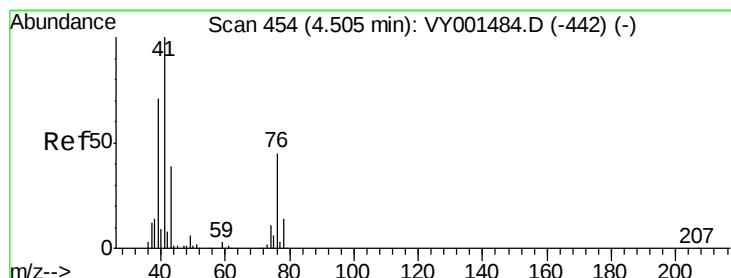
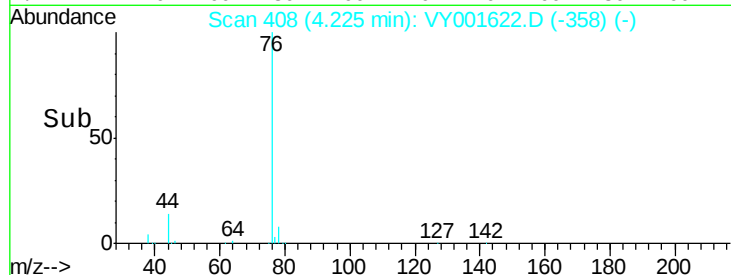
40000

20000

0

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 56.893 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY001622.D

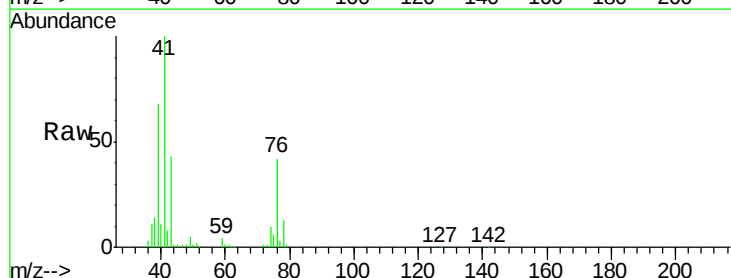
Acq: 13 Feb 2020 11:18

Tgt Ion: 43 Resp: 67412

Ion Ratio Lower Upper

43 100

74 23.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

25000

20000

15000

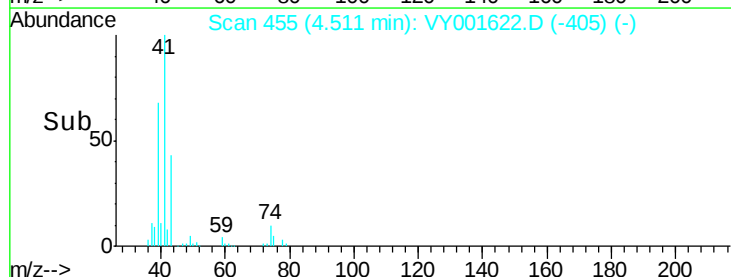
10000

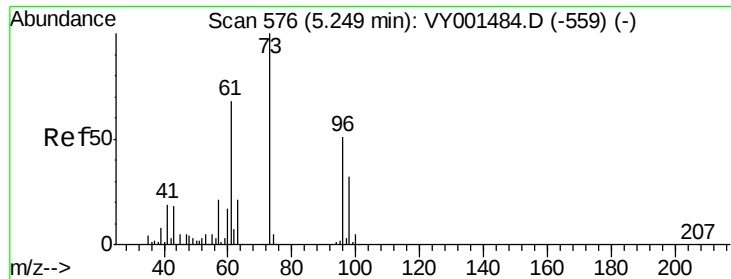
5000

0

4.40 4.50 4.60 4.70

Time-->





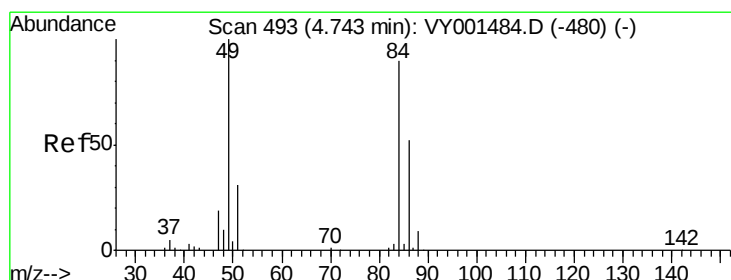
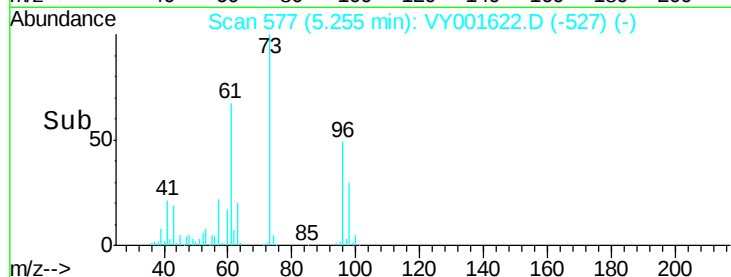
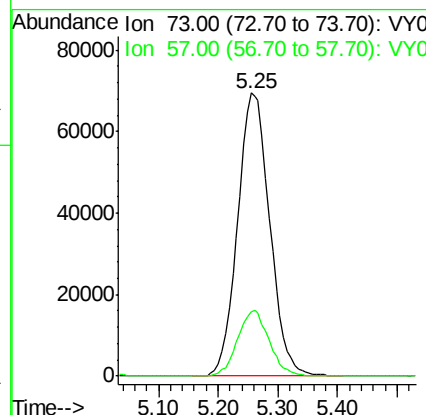
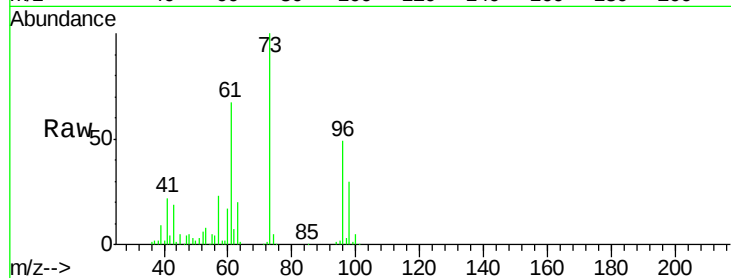
#19
Methvl tert-butvl Ether
Concen: 48.815 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.0	25.6

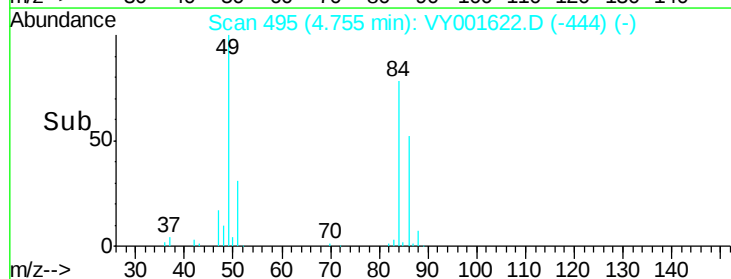
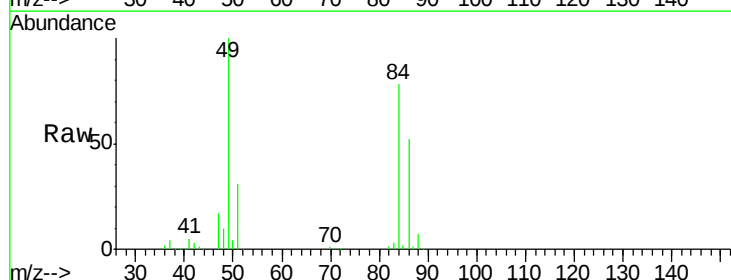
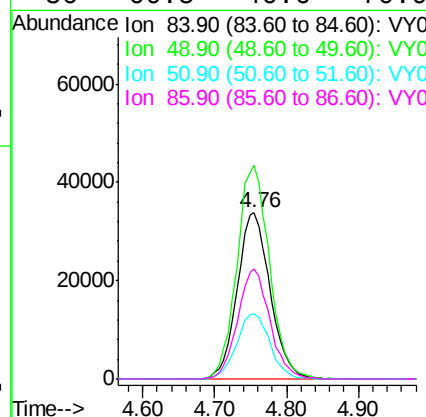
Manual Integrations
APPROVED

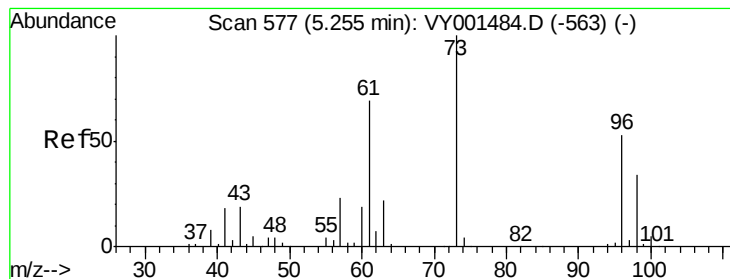
MMDadoda
2/14/2020 5:06:01 PM



#20
Methylene Chloride
Concen: 49.215 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.7	89.0	133.6
51	39.6	27.4	41.2
86	66.5	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 47.604 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 106073

Ion Ratio Lower Upper

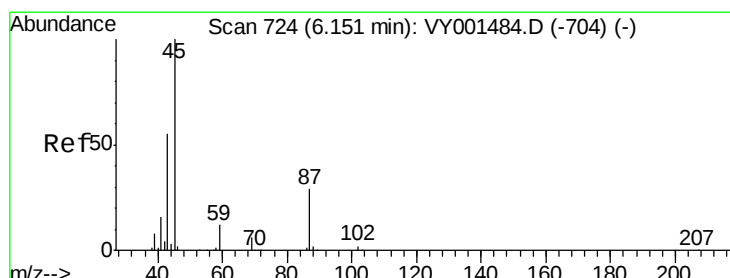
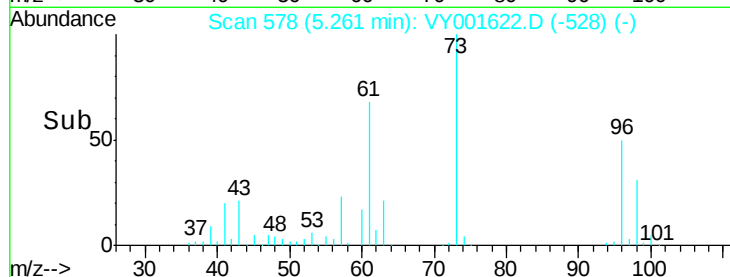
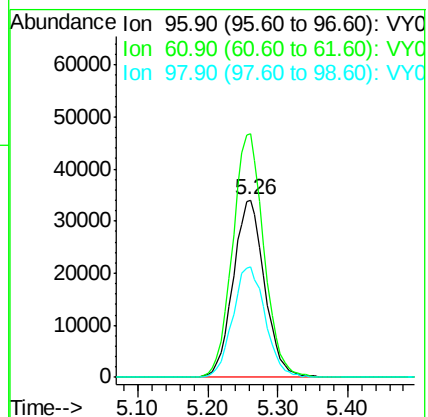
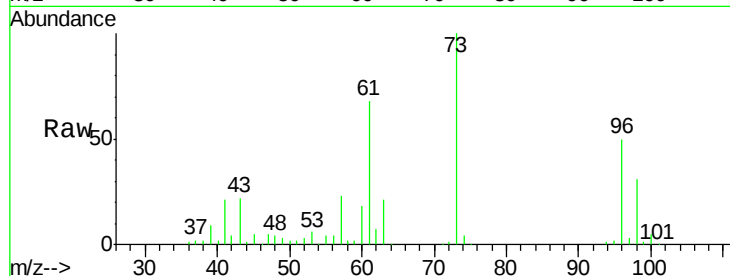
96 100

61 137.2 104.2 156.4

98 62.5 51.4 77.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#22

Diisopropyl ether

Concen: 57.460 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion: 45 Resp: 349065

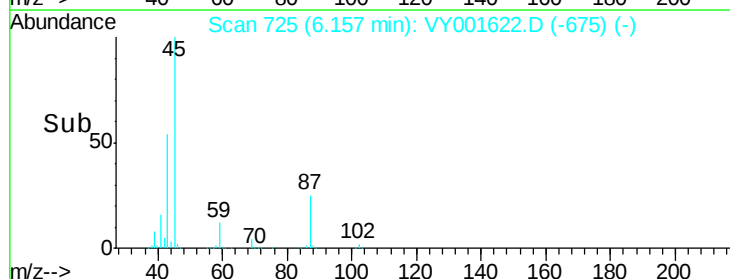
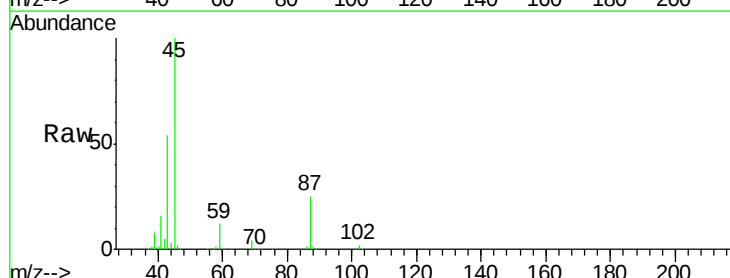
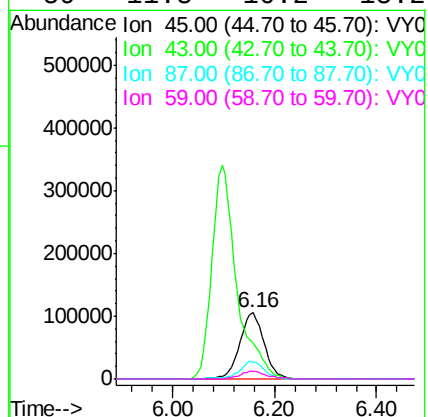
Ion Ratio Lower Upper

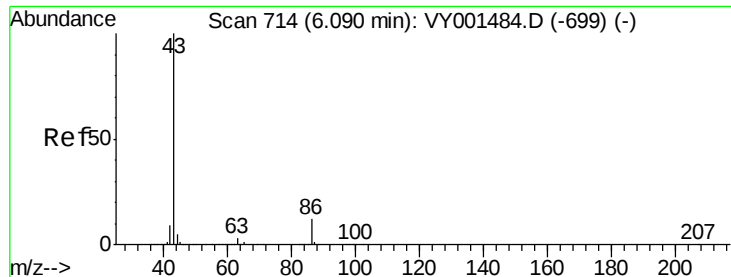
45 100

43 53.9 44.2 66.4

87 25.3 23.9 35.9

59 11.8 10.2 15.2





#23

Vinyl Acetate

Concen: 297.678 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1151199

Ion Ratio Lower Upper

43 100

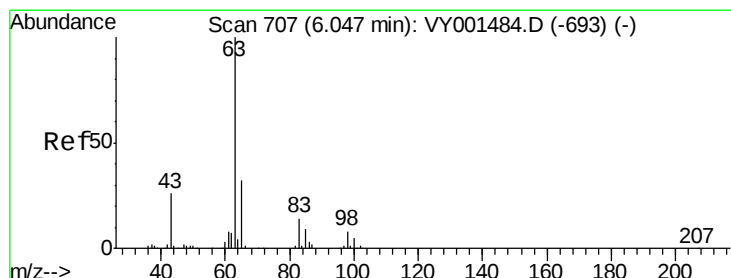
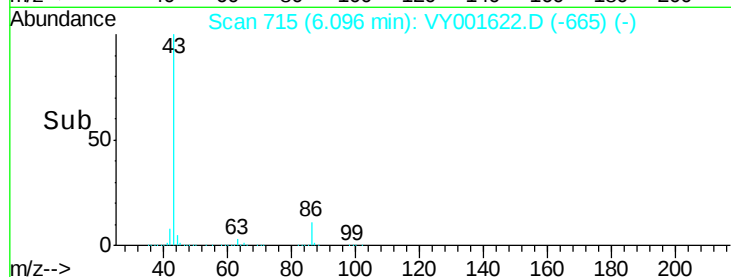
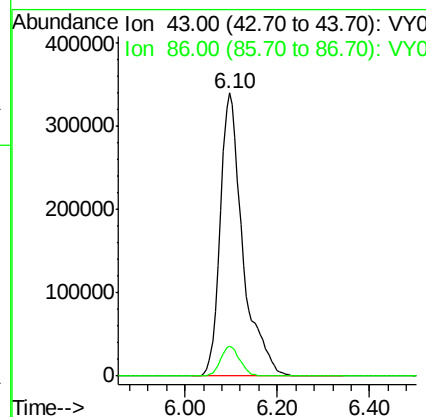
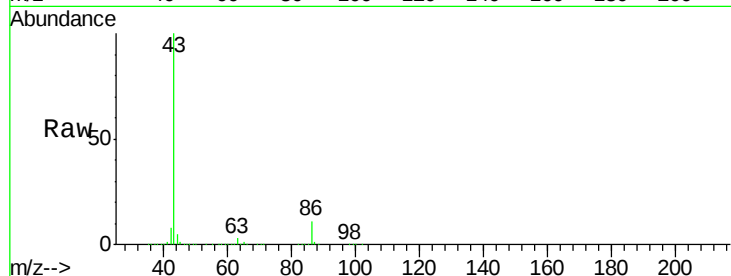
86 10.5 9.8 14.8

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM



#24

1,1-Dichloroethane

Concen: 50.216 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

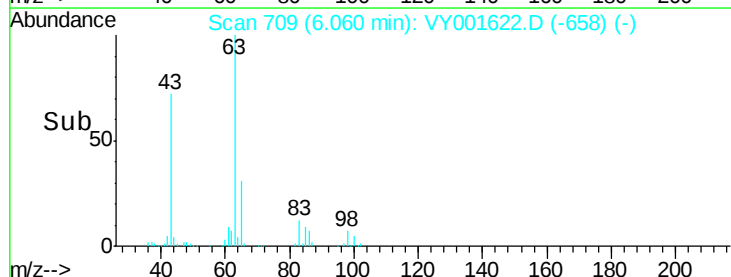
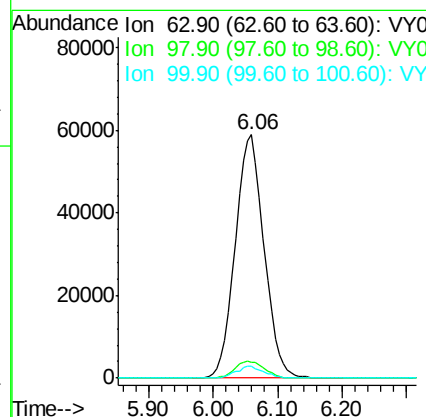
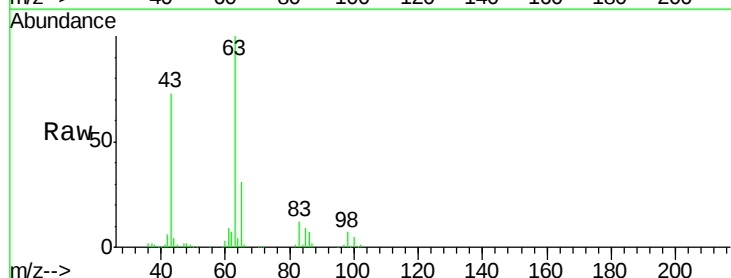
Tgt Ion: 63 Resp: 183492

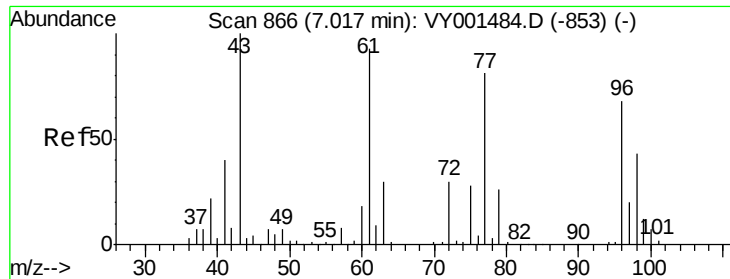
Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

100 4.9 2.6 8.0





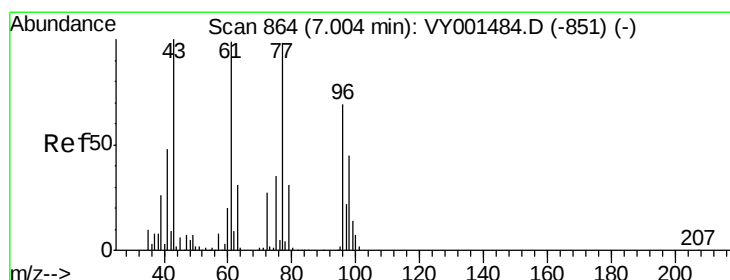
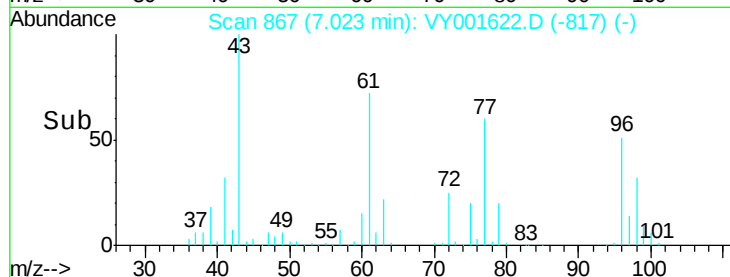
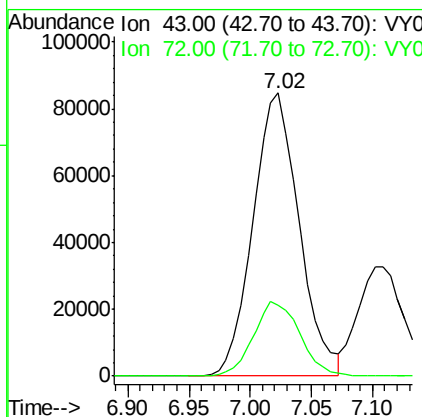
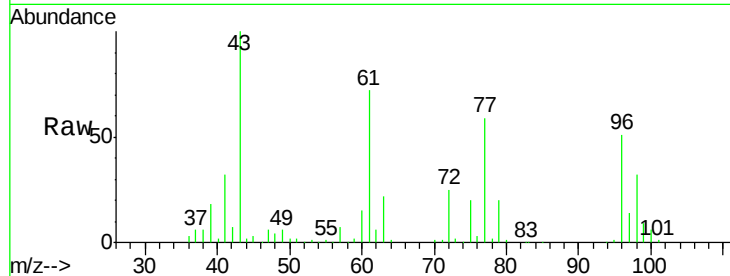
#25
2-Butanone
Concen: 309.645 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 223052
Ion Ratio Lower Upper
43 100
72 25.1 23.8 35.8

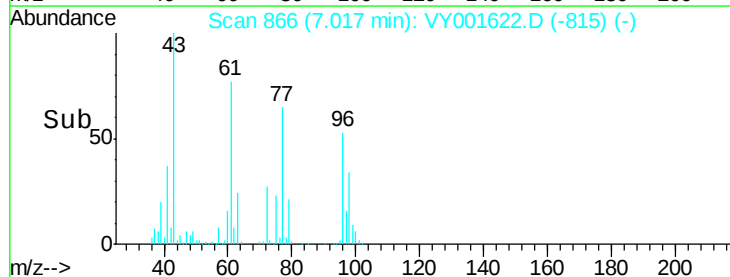
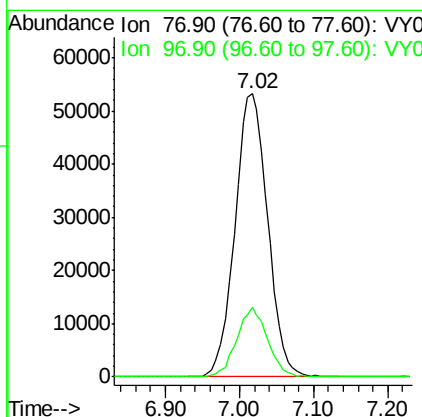
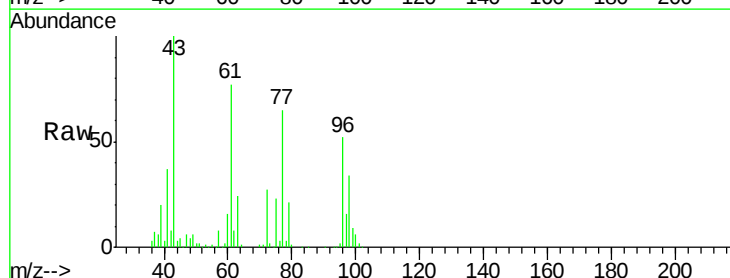
Manual Integrations
APPROVED

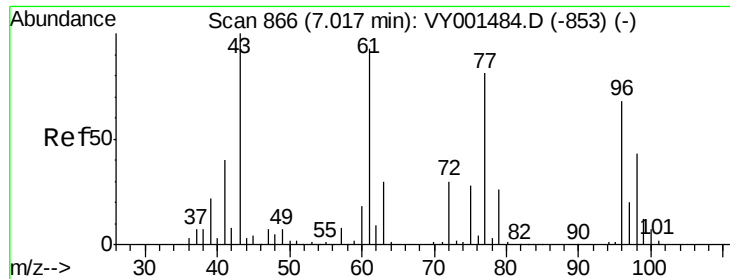
MMDadoda
2/14/2020 5:06:01 PM



#26
2,2-Dichloropropane
Concen: 46.720 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion: 77 Resp: 163385
Ion Ratio Lower Upper
77 100
97 23.2 11.7 35.0





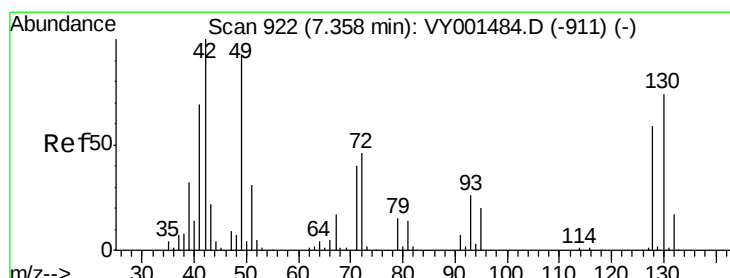
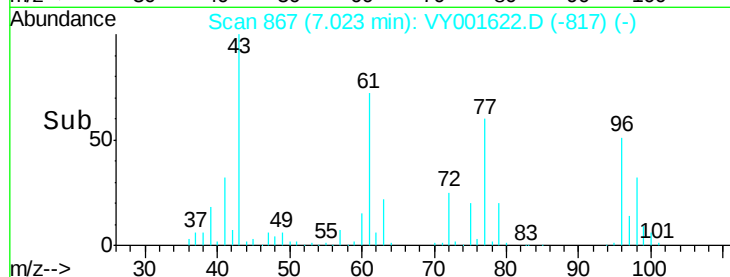
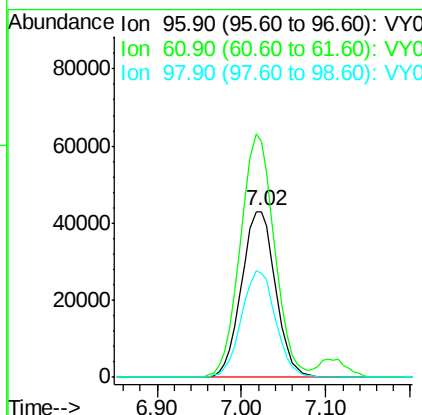
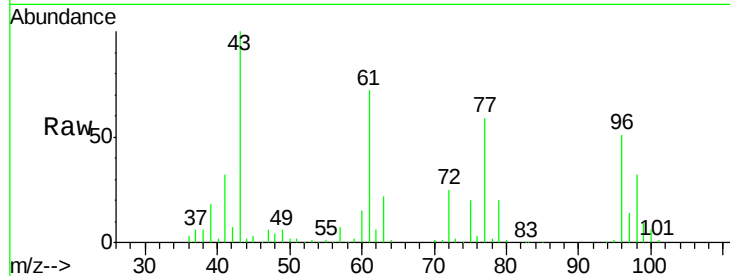
#27
 cis-1,2-Dichloroethene
 Concen: 48.354 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	278.8
98	64.5	0.0	128.8

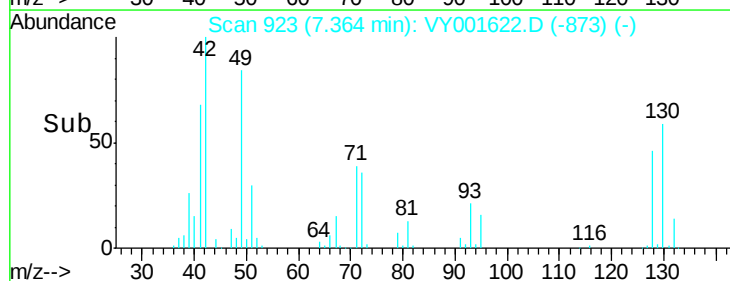
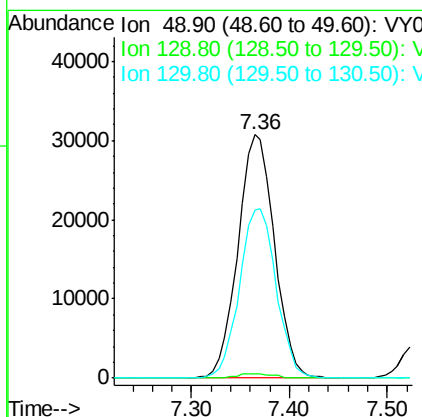
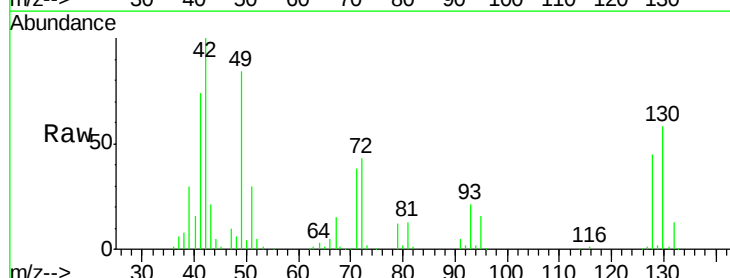
Manual Integrations
 APPROVED

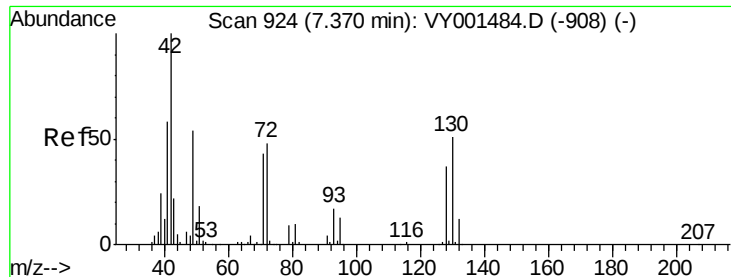
MMDadoda
 2/14/2020 5:06:01 PM



#28
 Bromochloromethane
 Concen: 63.832 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	70.1	65.4	98.2





#29

Tetrahydrofuran

Concen: 306.640 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

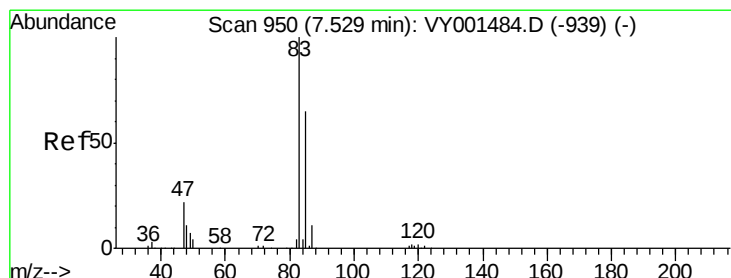
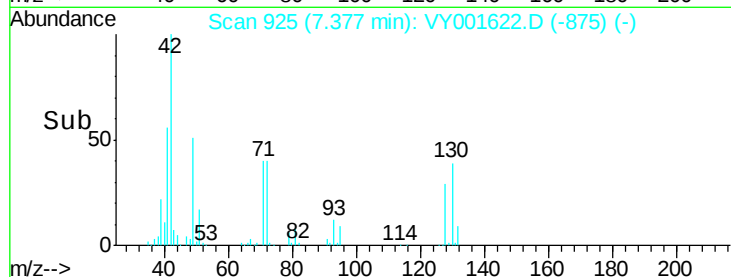
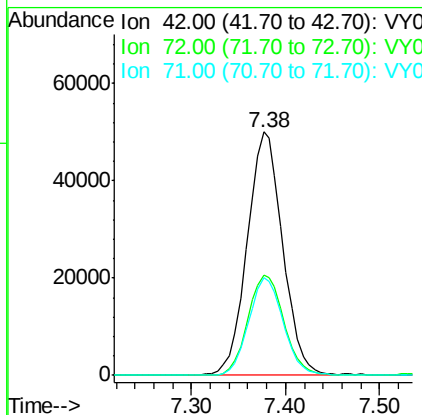
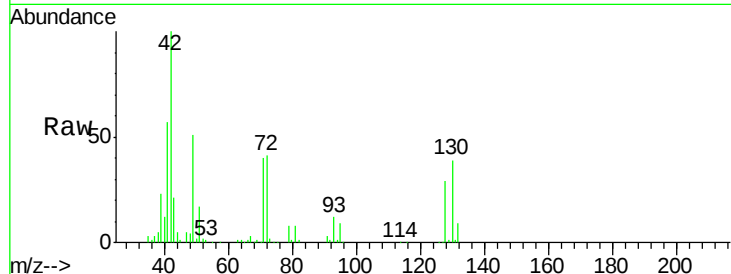
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	132393
Ion	Ratio	Lower	Upper
42	100		
72	41.9	37.8	56.6
71	39.3	34.8	52.2

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#30

Chloroform

Concen: 47.787 ug/l

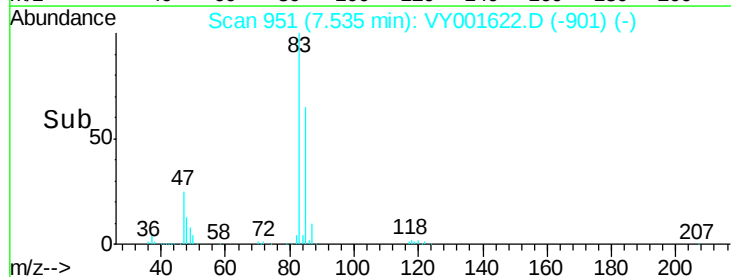
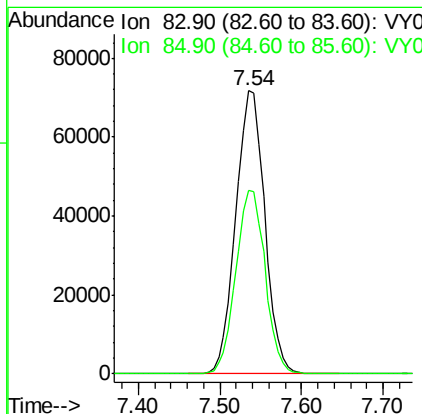
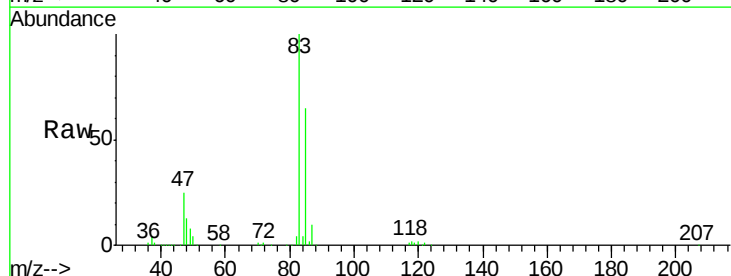
RT: 7.54 min Scan# 951

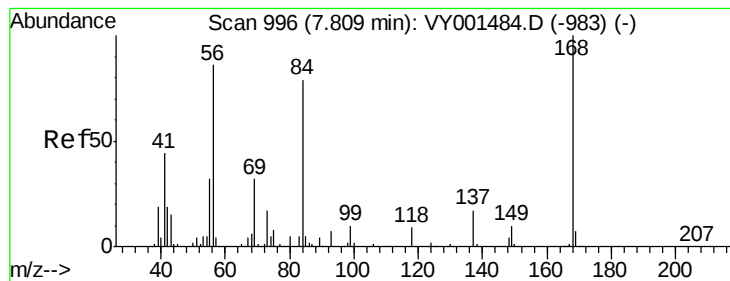
Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	83	Resp:	176875
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.4	78.6





#31

Cyclohexane

Concen: 49.822 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

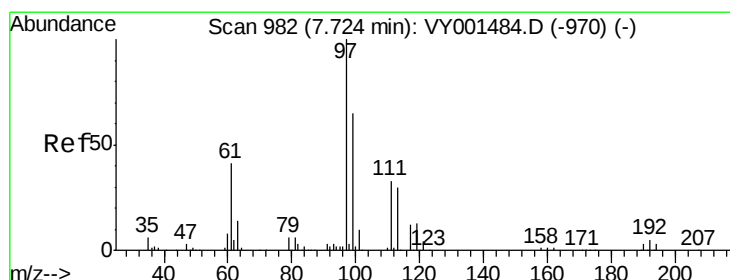
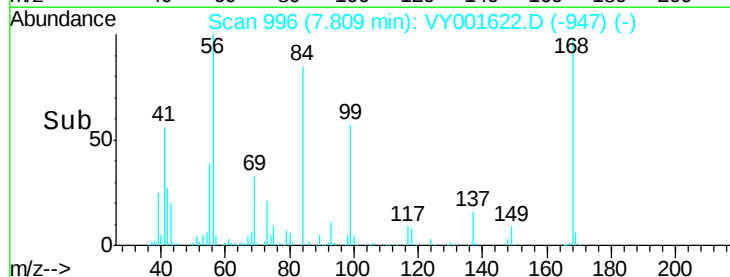
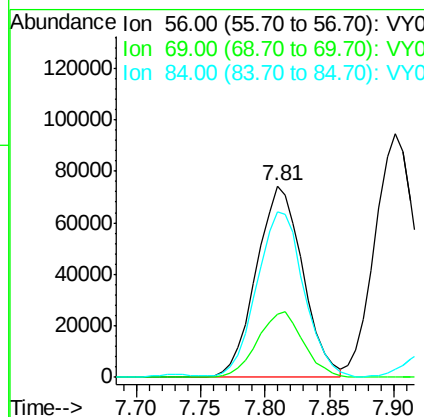
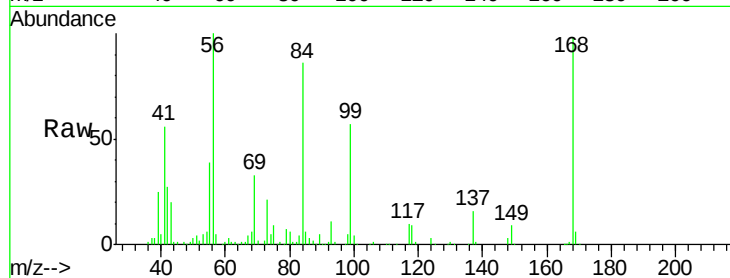
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	186224
Ion Ratio	Lower	Upper	
56	100		
69	32.8	29.6	44.4
84	85.1	73.6	110.4

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#32

1,1,1-Trichloroethane

Concen: 46.066 ug/l

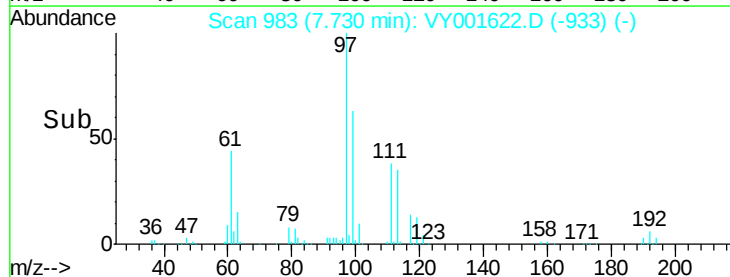
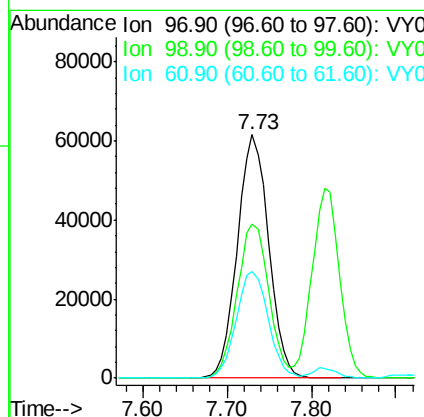
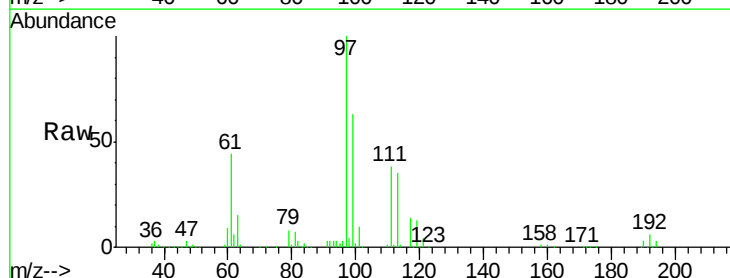
RT: 7.73 min Scan# 983

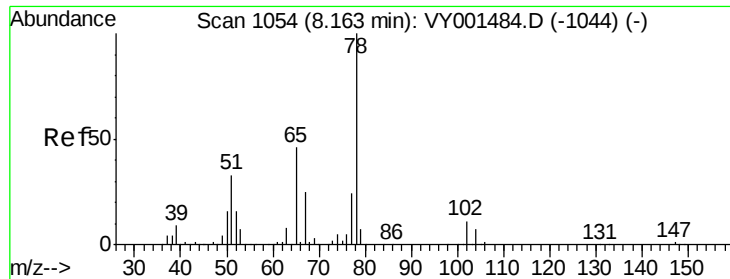
Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	97	Resp:	154589
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.8	77.8
61	44.7	32.5	48.7





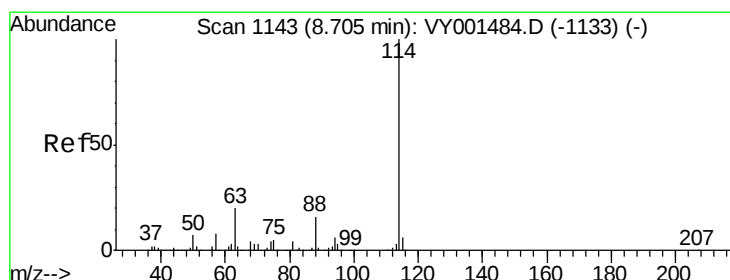
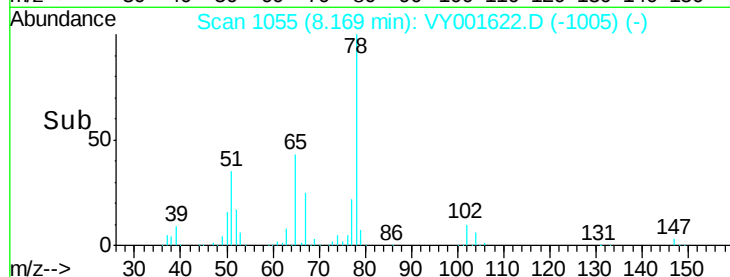
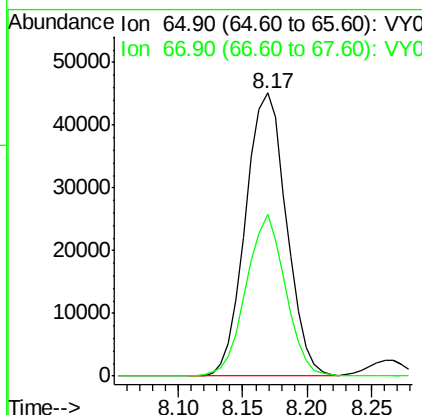
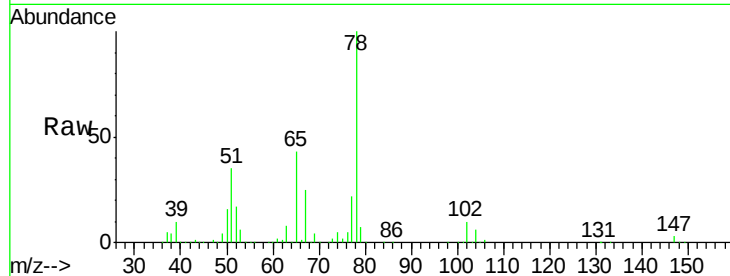
#33
 1,2-Dichloroethane-d4
 Concen: 51.780 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99394		
67	54.8	0.0	108.6	

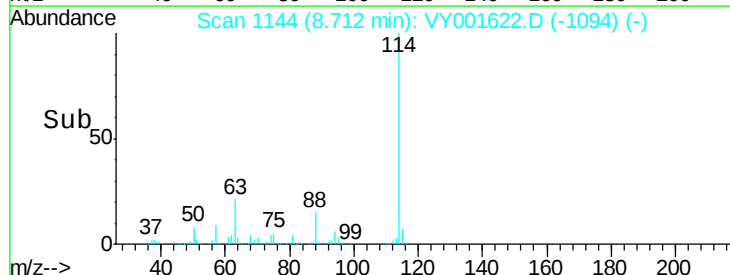
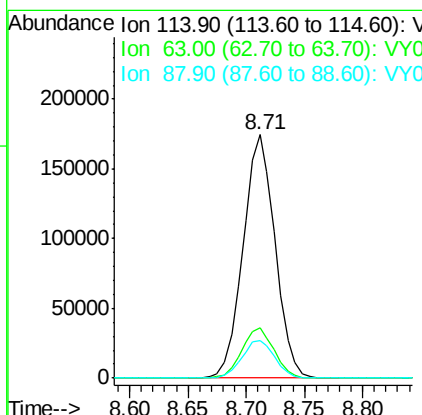
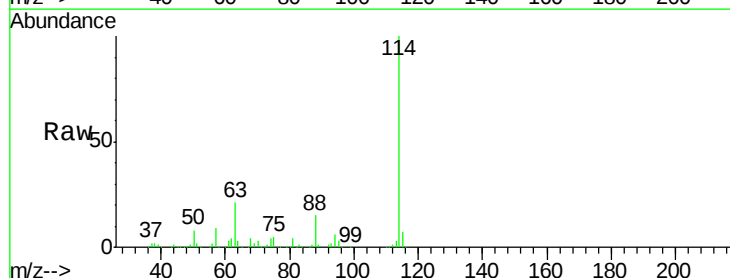
Manual Integrations
 APPROVED

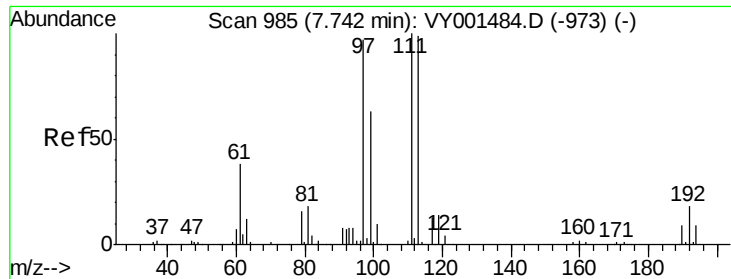
MMDadoda
 2/14/2020 5:06:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333832		
63	20.6	0.0	39.8	
88	15.3	0.0	32.6	





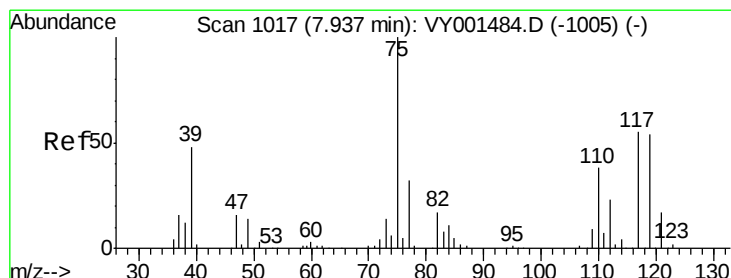
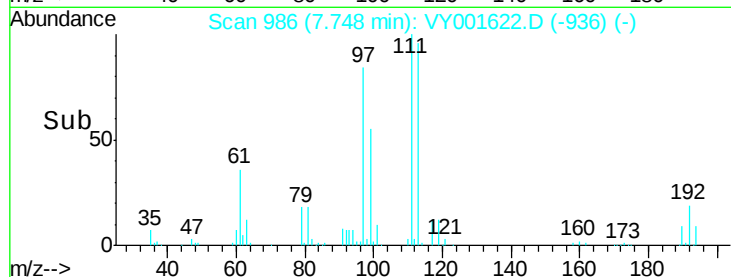
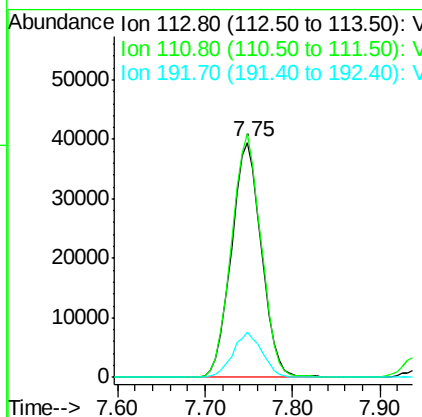
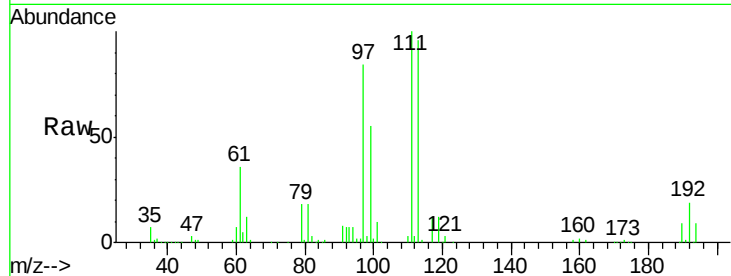
#35
Dibromofluoromethane
Concen: 48.861 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	18.6	14.6	22.0

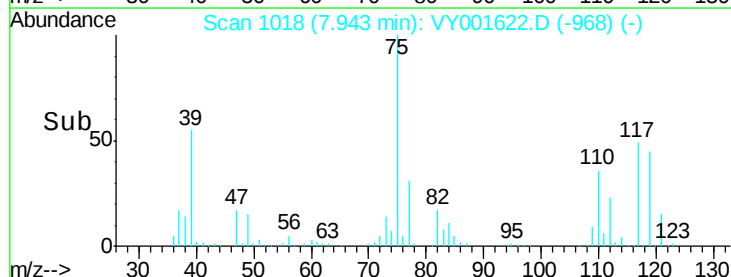
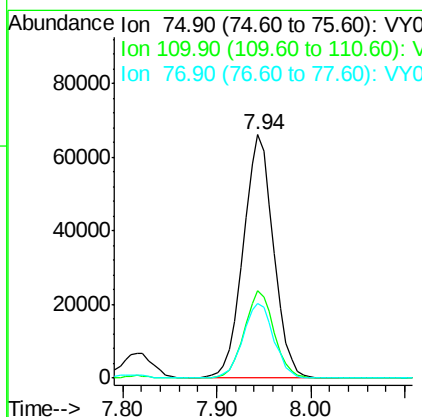
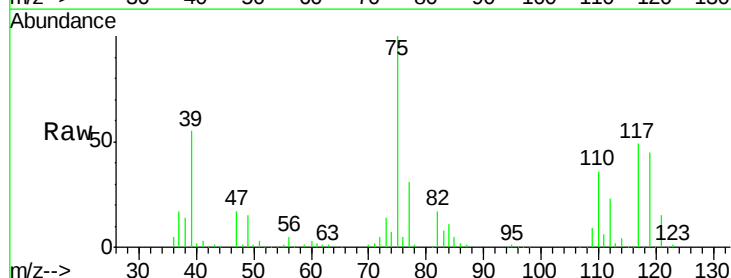
Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#36
1,1-Dichloropropene
Concen: 48.701 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.2	54.6
77	31.3	25.0	37.4





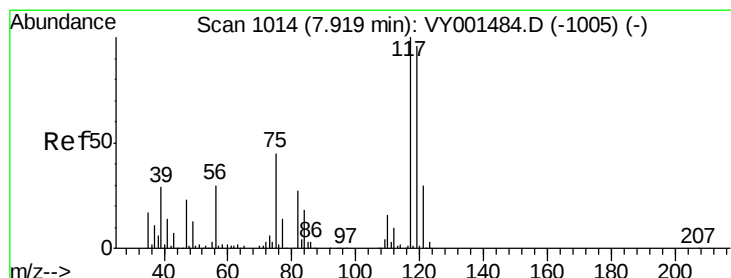
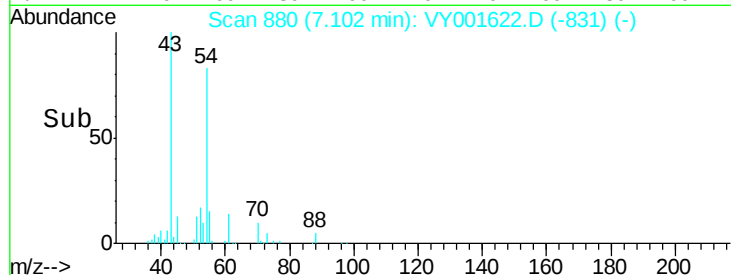
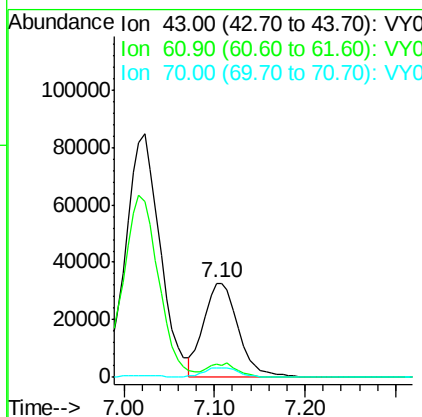
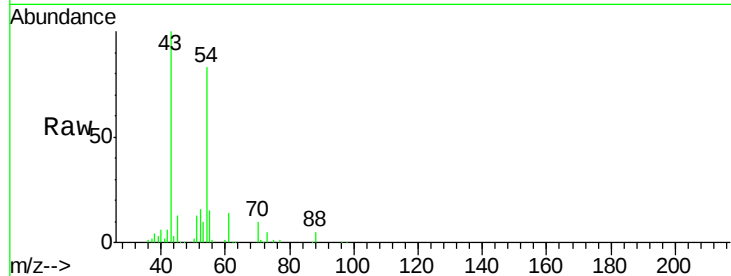
#37
Ethyl Acetate
Concen: 59.720 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	10.6	10.2	15.4

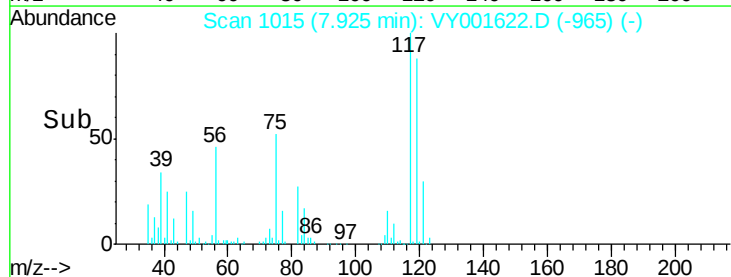
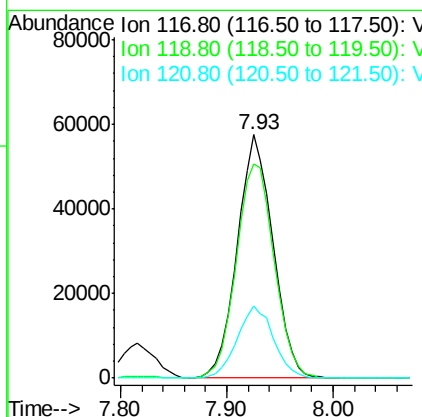
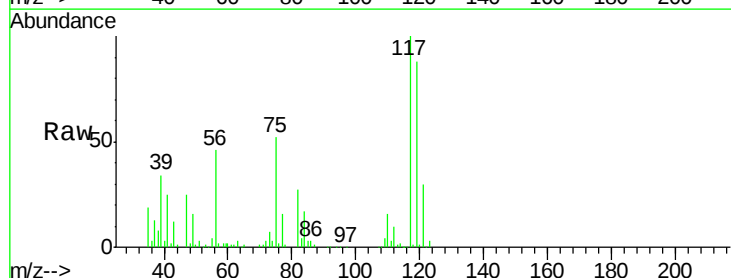
Manual Integrations
APPROVED

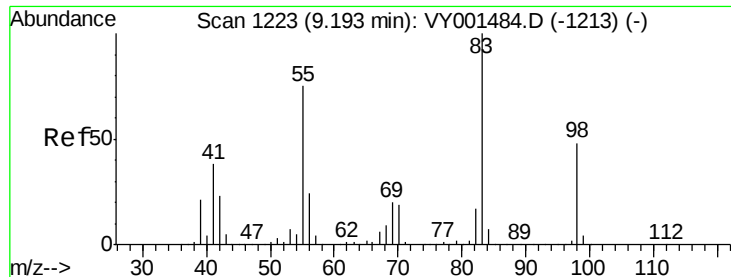
MMDadoda
2/14/2020 5:06:01 PM



#38
Carbon Tetrachloride
Concen: 45.857 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.0	76.4	114.6
121	29.6	24.2	36.4





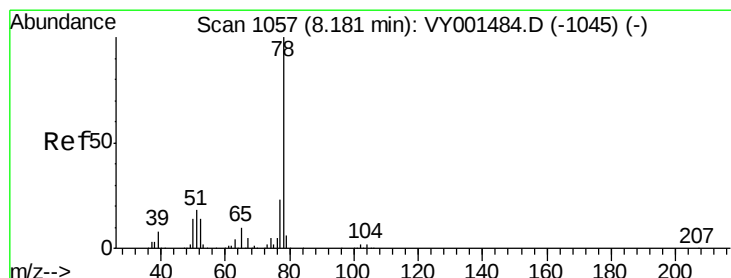
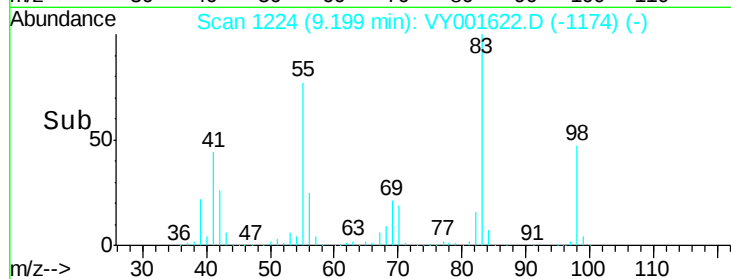
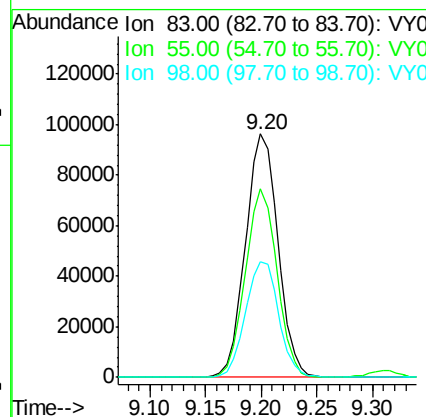
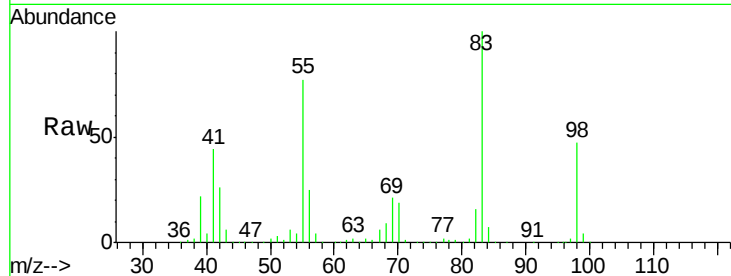
#39
Methvlcvclohexane
Concen: 48.683 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	59.8	89.6
98	47.2	38.6	57.8

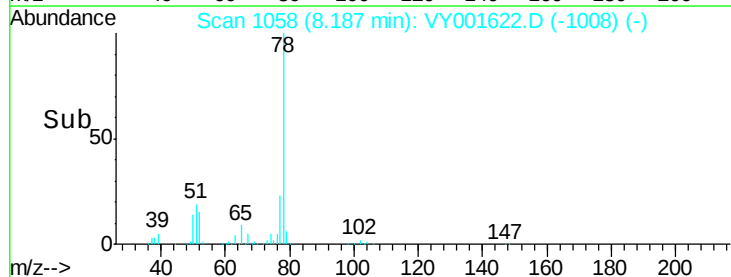
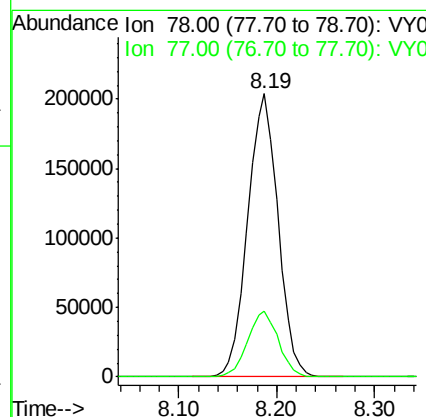
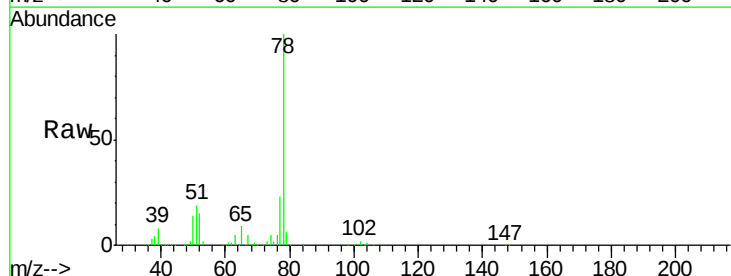
Manual Integrations
APPROVED

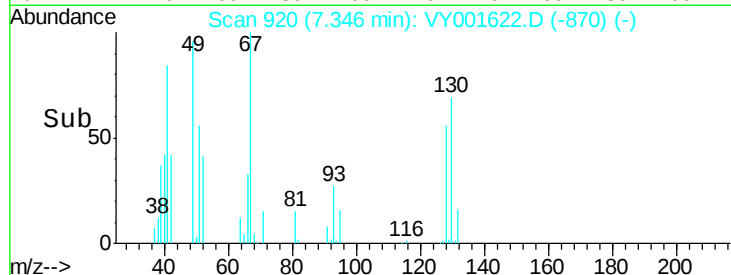
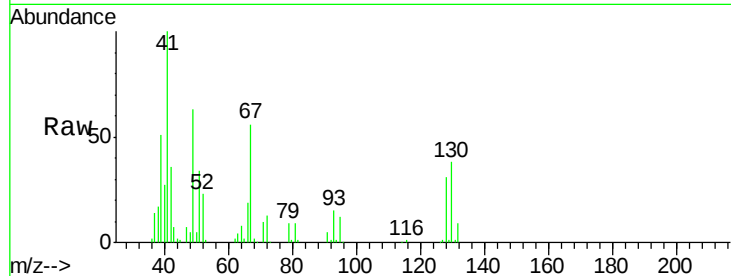
MMDadoda
2/14/2020 5:06:01 PM



#40
Benzene
Concen: 50.413 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





#41

Methacrylonitrile

Concen: 56.204 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001622.D

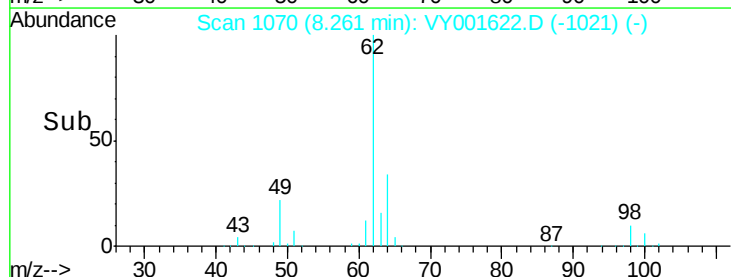
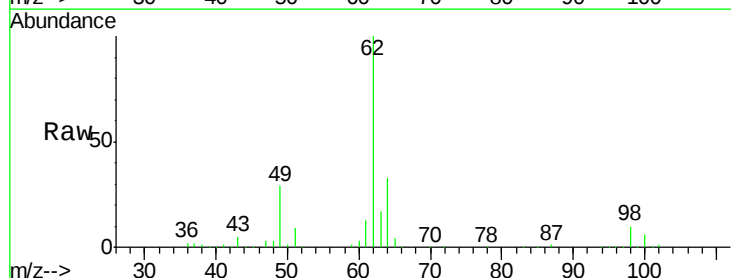
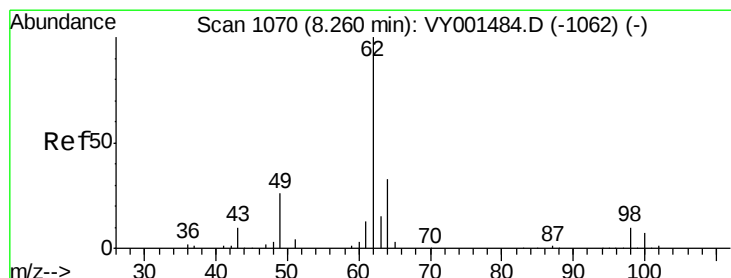
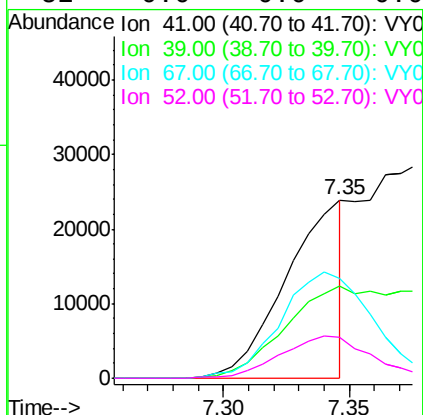
Acq: 13 Feb 2020 11:18

Tot Ion	41	Resp	38510
Ion Ratio	Lower	Upper	
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#42

1,2-Dichloroethane

Concen: 48.985 ug/l

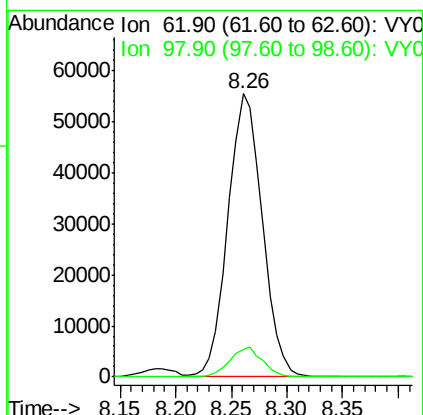
RT: 8.26 min Scan# 1070

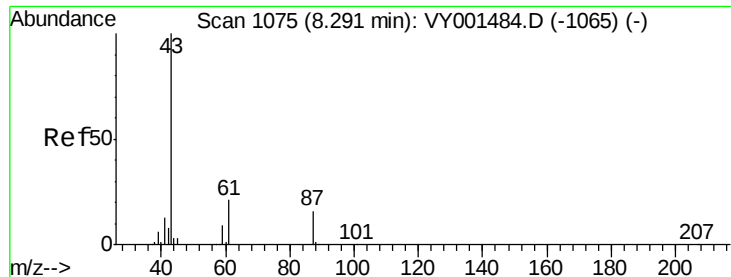
Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion	62	Resp	118877
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	21.0





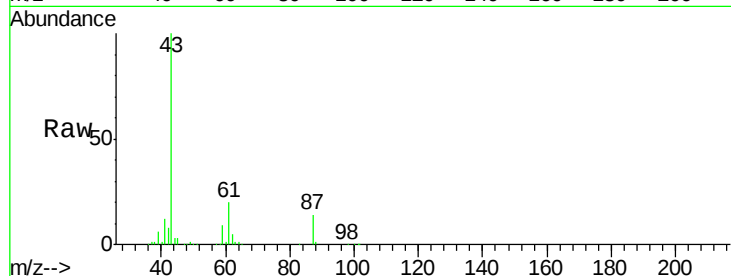
#43
Isopropyl Acetate
Concen: 58.110 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

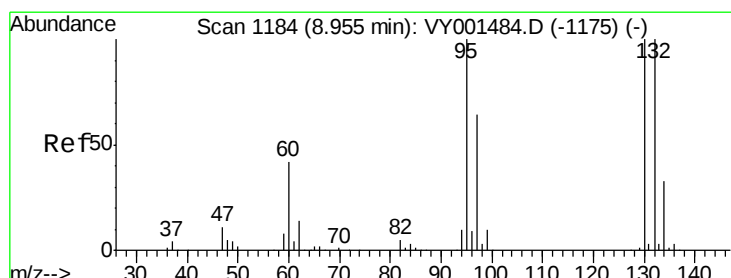
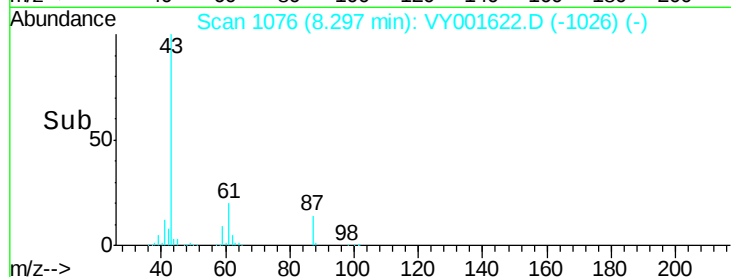
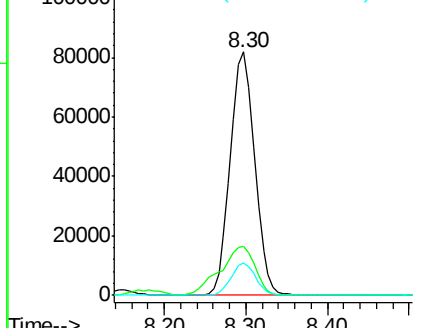
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	25.1	37.7
87	13.1	12.6	19.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM

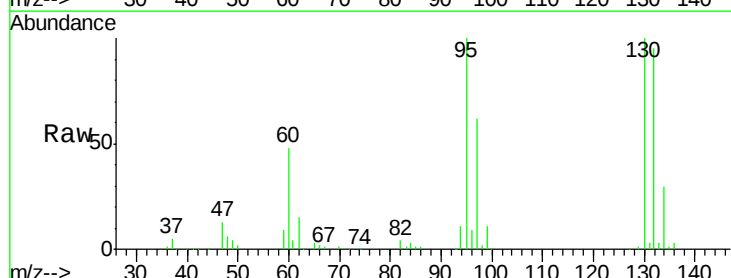


Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1065) (-)
Ion 61.00 (60.70 to 61.70): VY001484.D (-1065) (-)
Ion 87.00 (86.70 to 87.70): VY001484.D (-1065) (-)

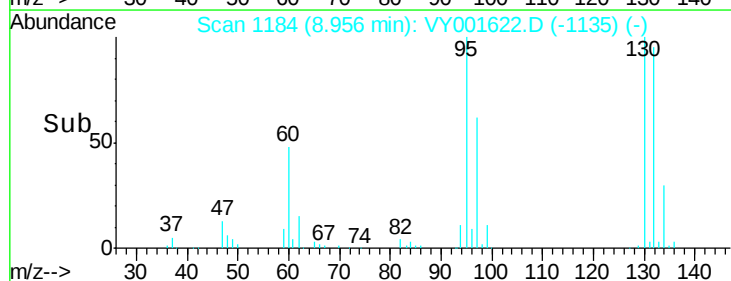
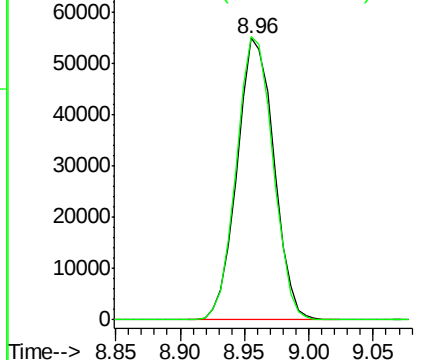


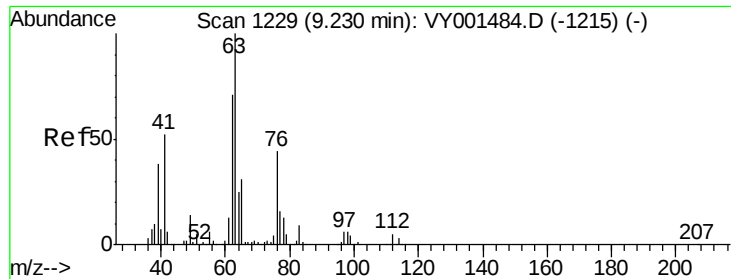
#44
Trichloroethene
Concen: 46.237 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001484.D (-1175) (-)
Ion 94.90 (94.60 to 95.60): VY001484.D (-1175) (-)





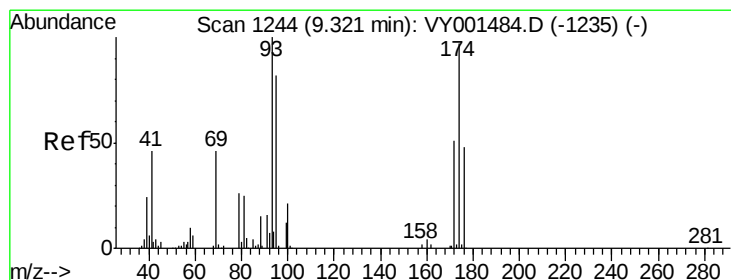
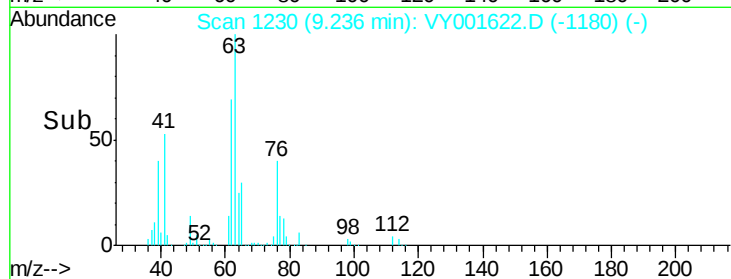
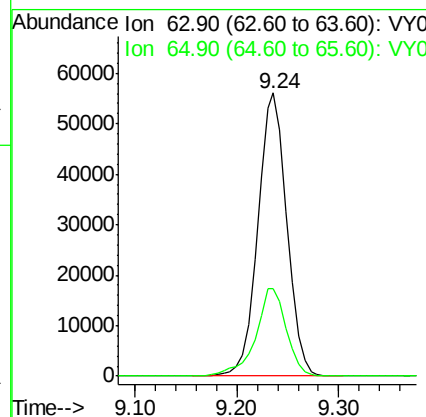
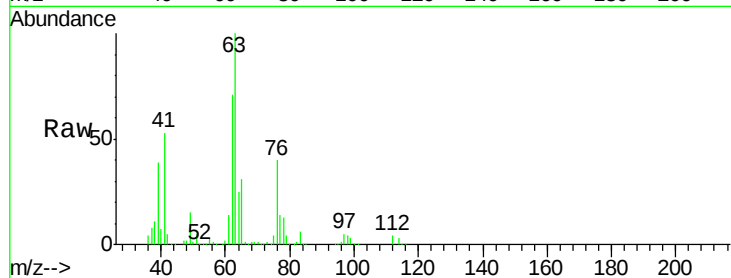
#45
 1,2-Dichloropropane
 Concen: 52.657 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 110760
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

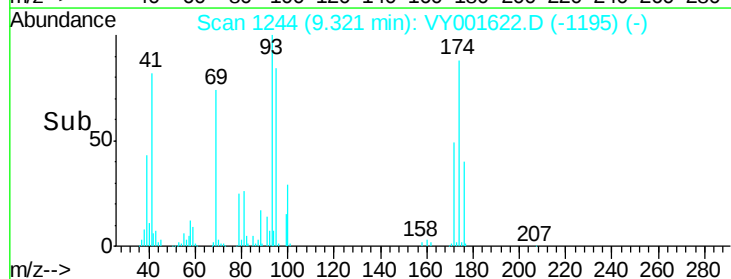
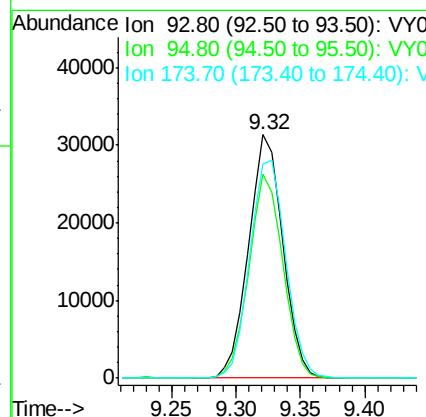
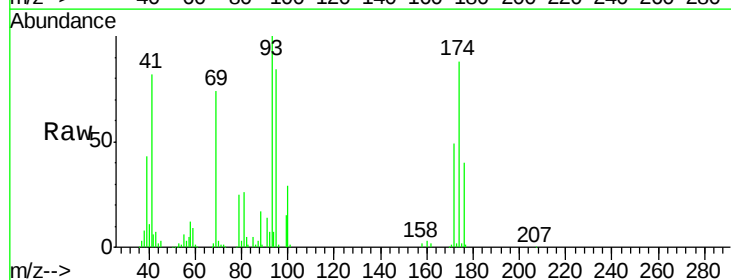
Manual Integrations
 APPROVED

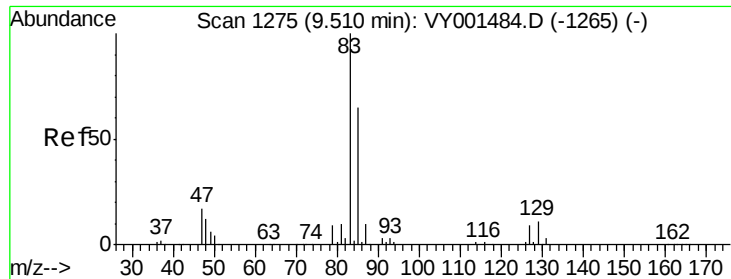
MMDadoda
 2/14/2020 5:06:01 PM



#46
 Dibromomethane
 Concen: 48.707 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion: 93 Resp: 57529
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 99.8
 174 93.9 75.4 113.2





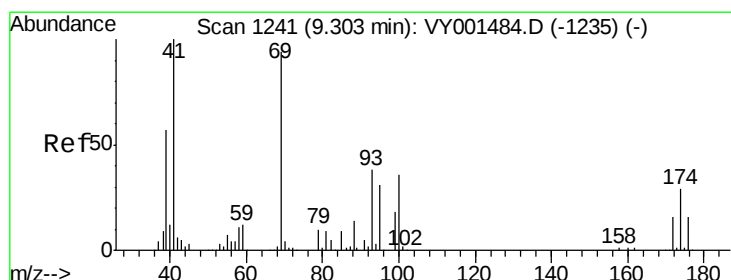
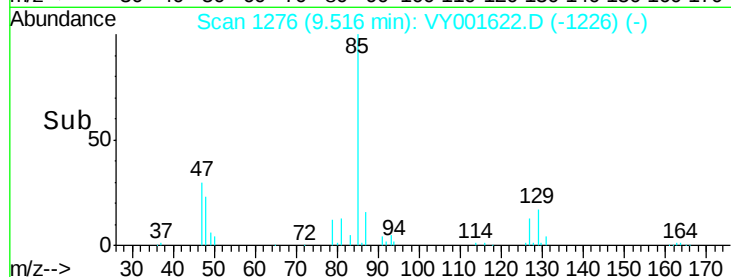
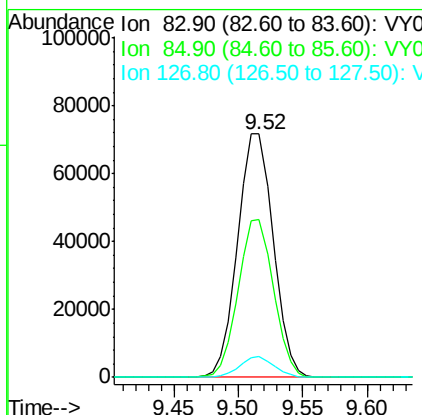
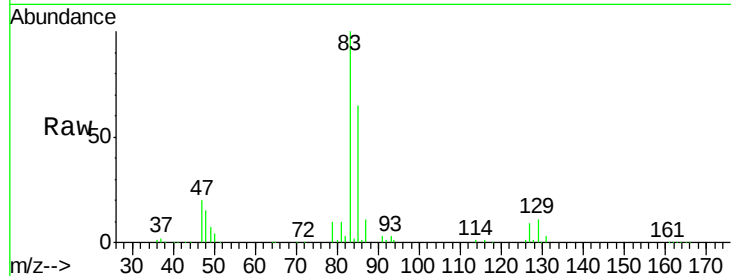
#47
Bromodichloromethane
Concen: 47.964 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	138034
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.9	77.9
127	8.6	6.9	10.3

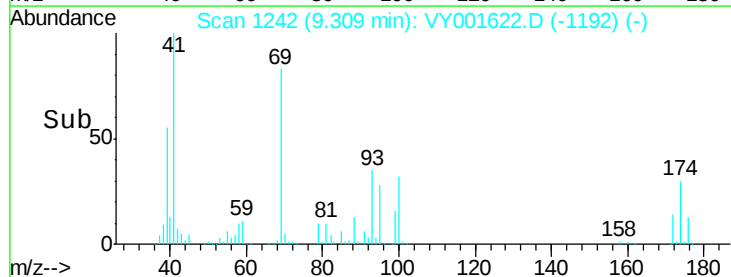
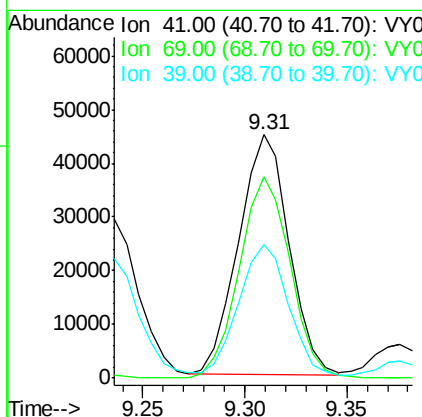
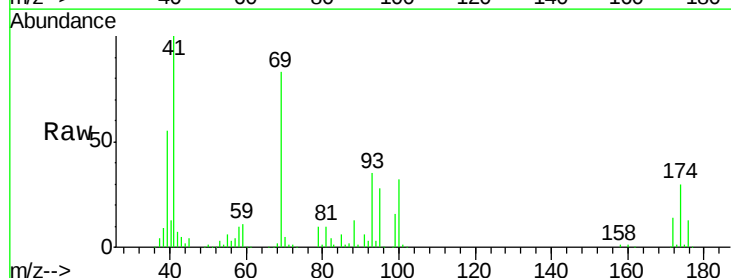
Manual Integrations
APPROVED

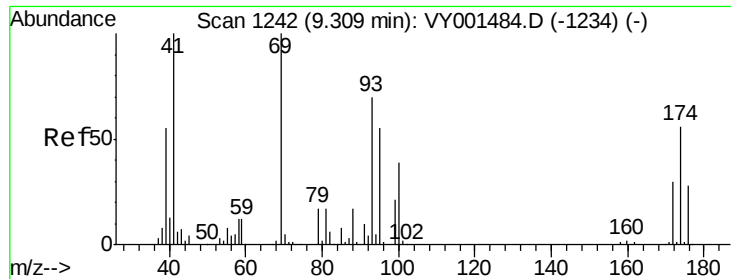
MMDadoda
2/14/2020 5:06:01 PM



#48
Methyl methacrylate
Concen: 57.895 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	41	Resp	76916
Ion Ratio	Lower	Upper	
41	100		
69	84.7	76.6	114.8
39	53.7	45.4	68.0





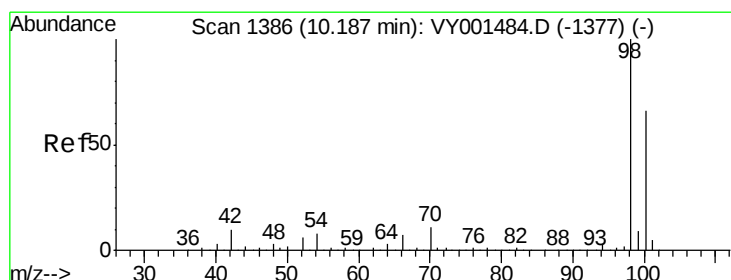
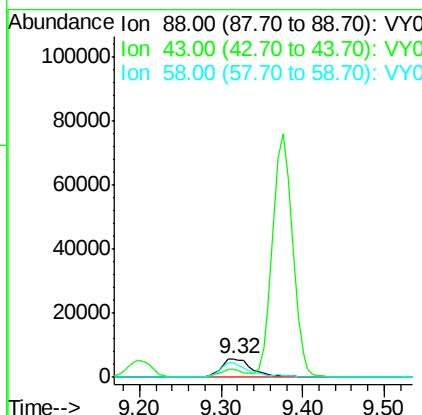
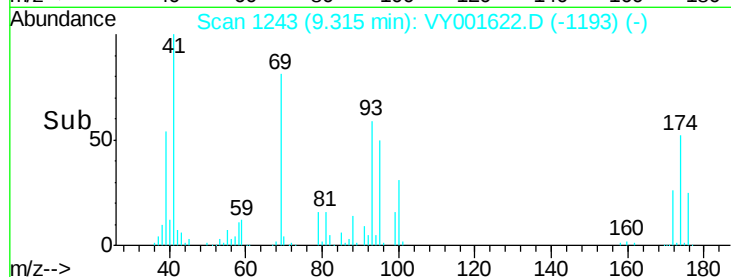
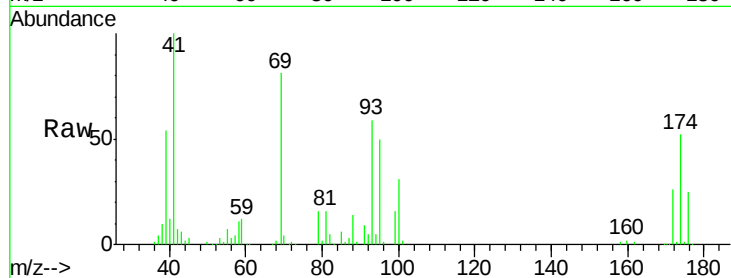
#49
1,4-Dioxane
Concen: 1017.264 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15868
Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.8	37.2
58	68.4	59.3	88.9

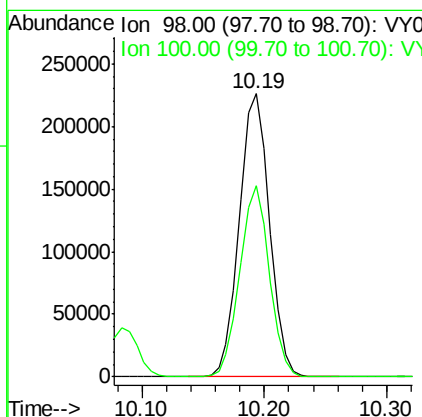
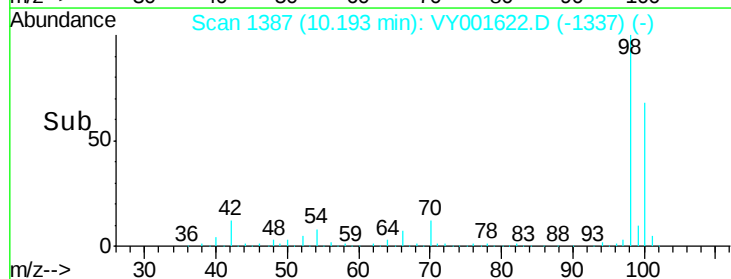
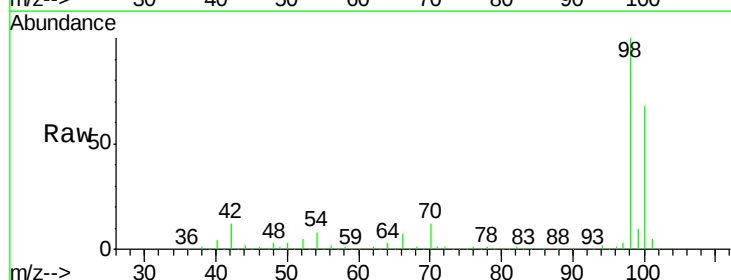
Manual Integrations
APPROVED

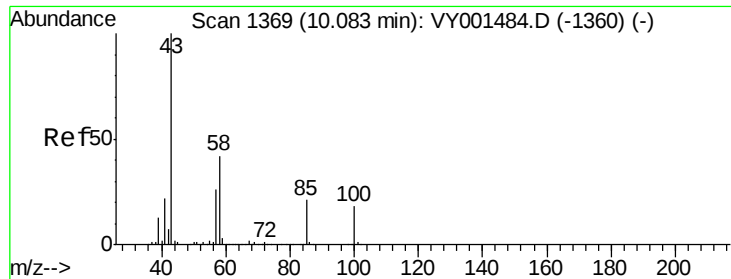
MMDadoda
2/14/2020 5:06:01 PM



#50
Toluene-d8
Concen: 53.141 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	98	Resp	387037
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.6





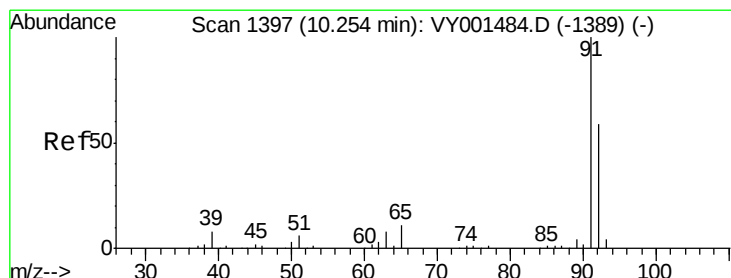
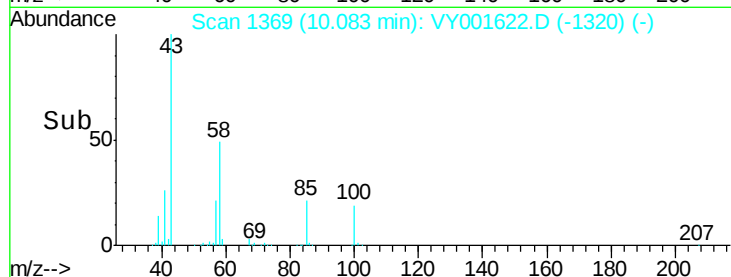
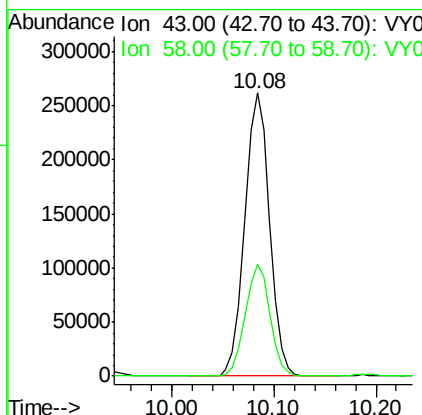
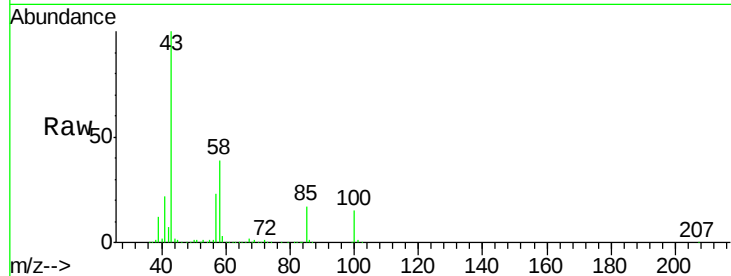
#51
4-Methyl-2-Pentanone
Concen: 307.495 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 443265
Ion Ratio Lower Upper
43 100
58 39.3 33.9 50.9

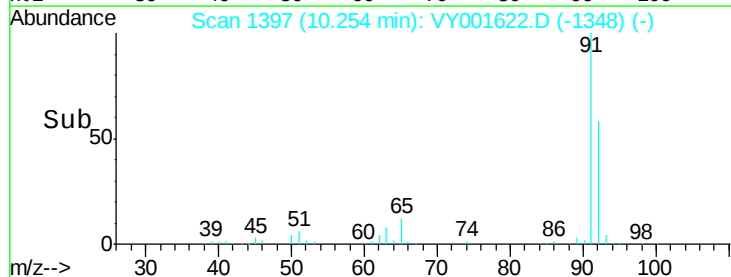
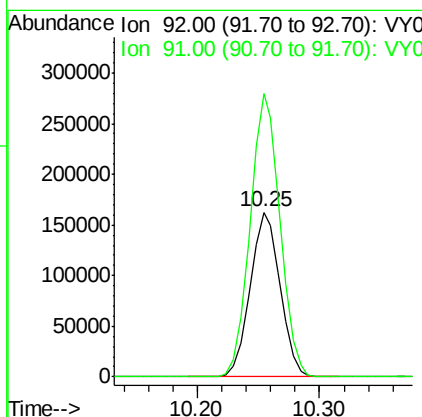
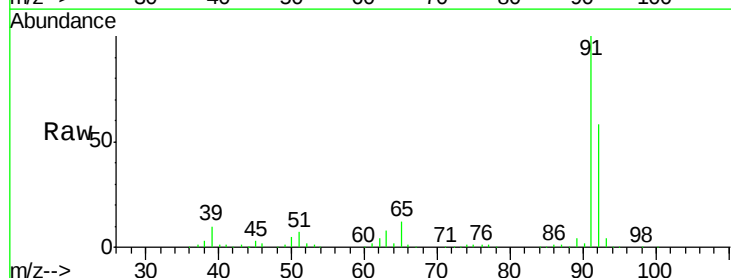
Manual Integrations
APPROVED

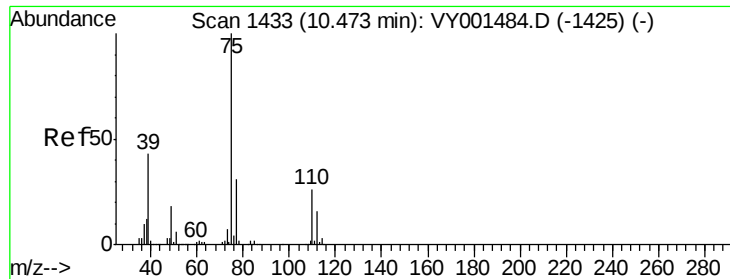
MMDadoda
2/14/2020 5:06:01 PM



#52
Toluene
Concen: 50.011 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion: 92 Resp: 276416
Ion Ratio Lower Upper
92 100
91 171.5 136.6 204.8





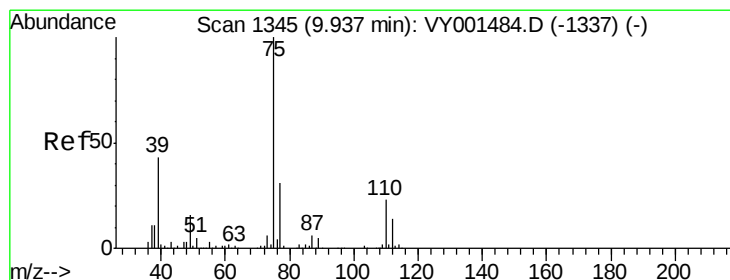
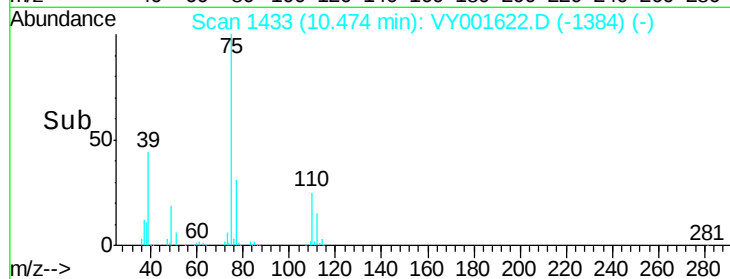
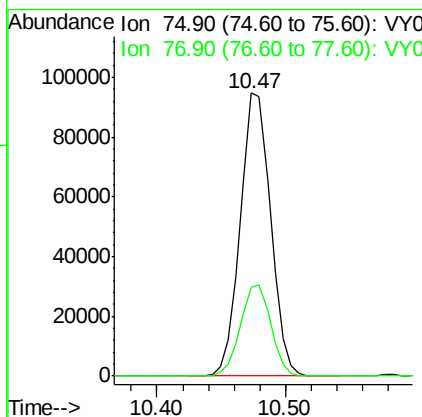
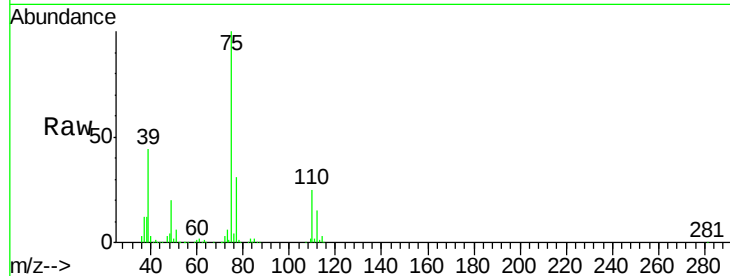
#53
t-1,3-Dichloropropene
Concen: 49.130 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

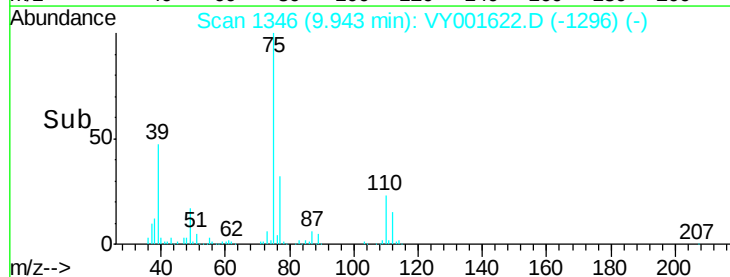
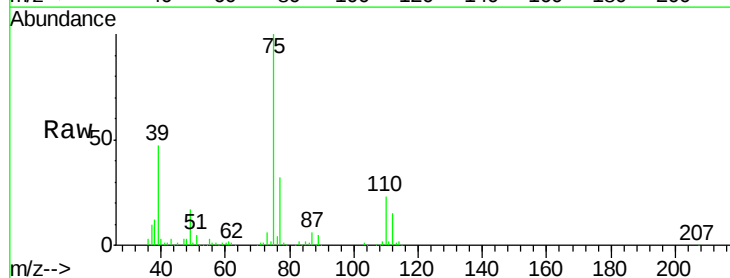
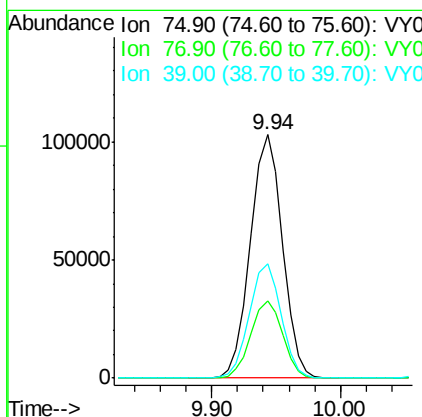
Manual Integrations
APPROVED

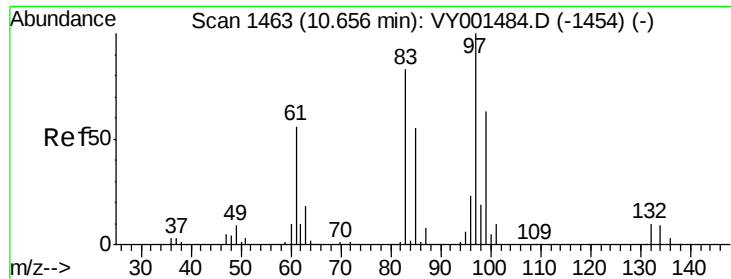
MMDadoda
2/14/2020 5:06:01 PM



#54
cis-1,3-Dichloropropene
Concen: 49.162 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	46.9	34.0	51.0





#55

1,1,2-Trichloroethane

Concen: 50.004 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

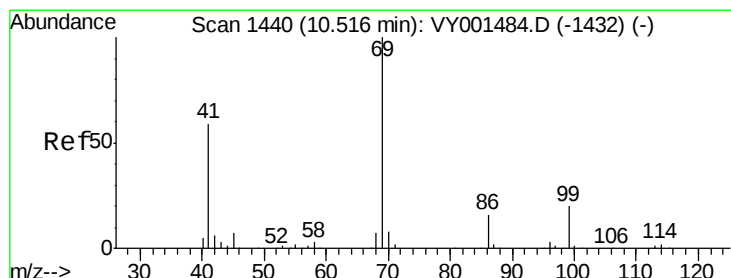
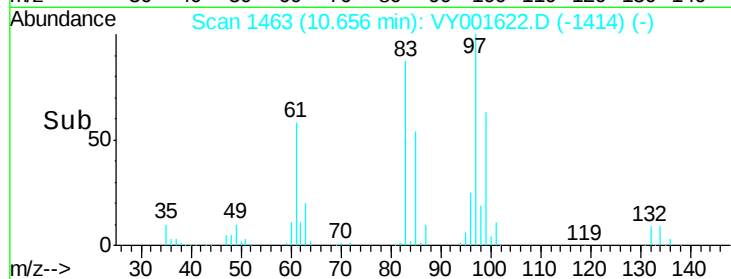
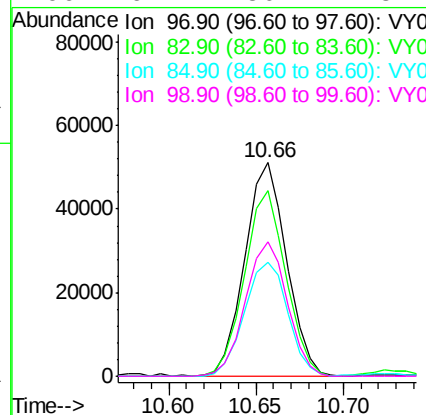
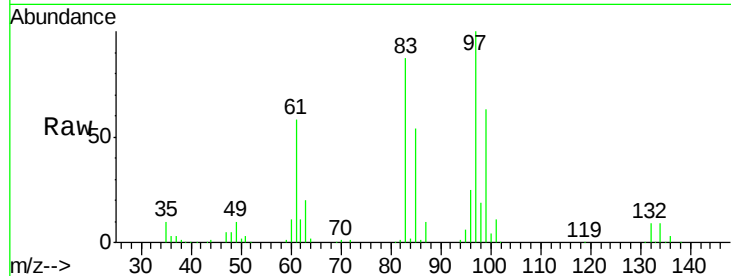
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	84739
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.2	99.2
85	53.6	43.8	65.6
99	62.7	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#56

Ethyl methacrylate

Concen: 53.251 ug/l

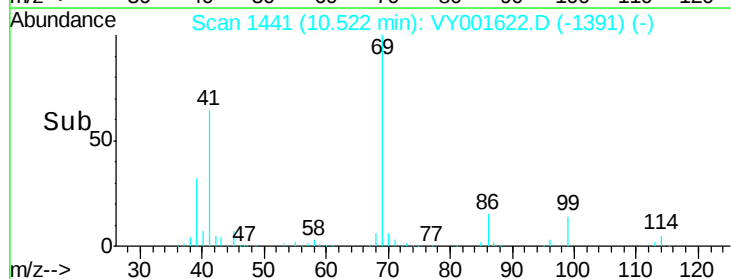
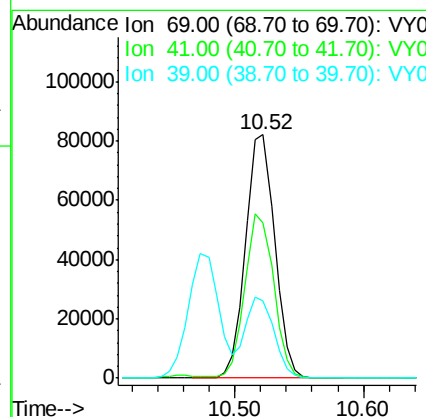
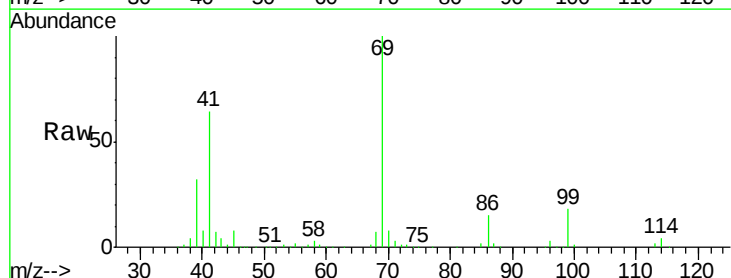
RT: 10.52 min Scan# 1441

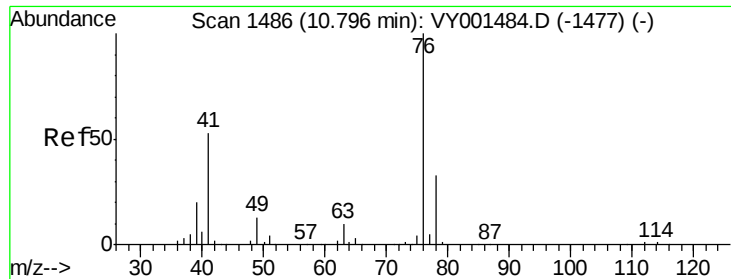
Delta R.T. 0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	69	Resp:	128353
Ion	Ratio	Lower	Upper
69	100		
41	66.8	47.8	71.8
39	33.0	24.4	36.6





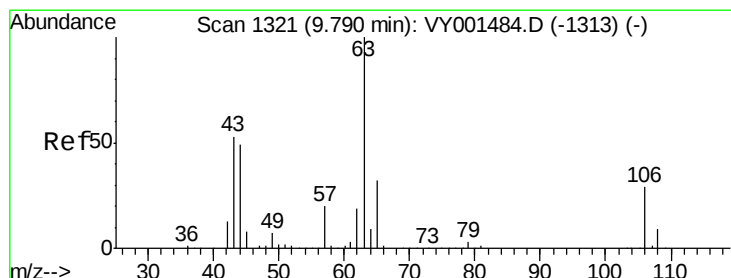
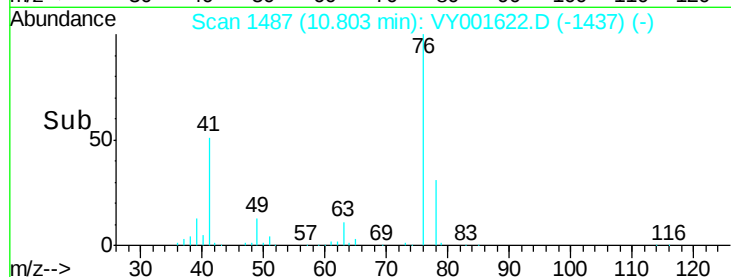
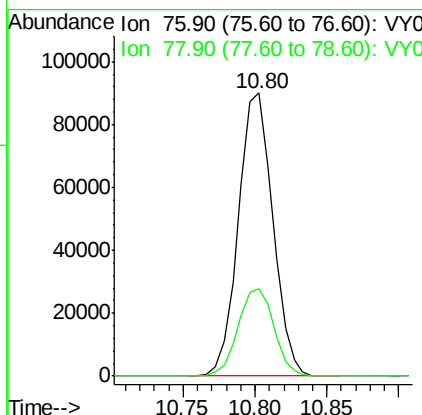
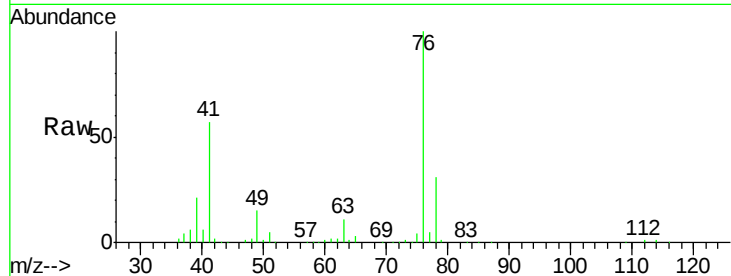
#57
 1,3-Dichloropropane
 Concen: 50.025 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 149439
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

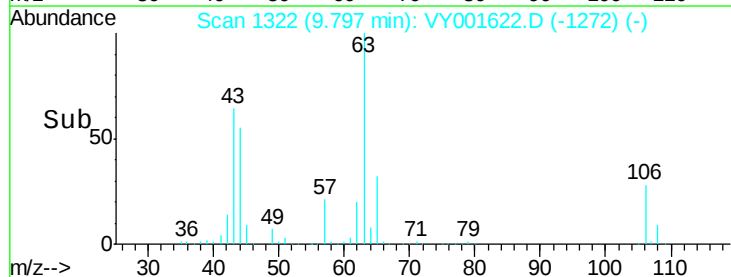
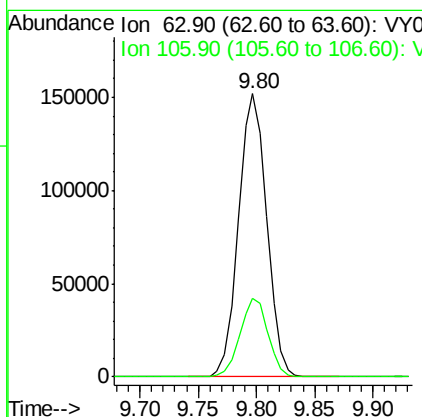
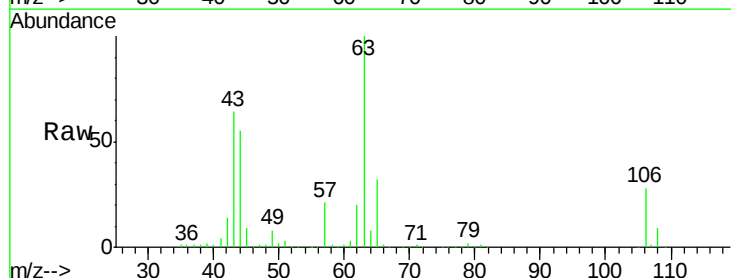
Manual Integrations
 APPROVED

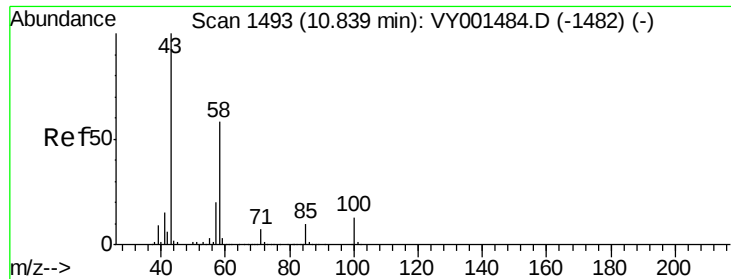
MMDadoda
 2/14/2020 5:06:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.961 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion: 63 Resp: 256222
 Ion Ratio Lower Upper
 63 100
 106 27.5 24.0 36.0





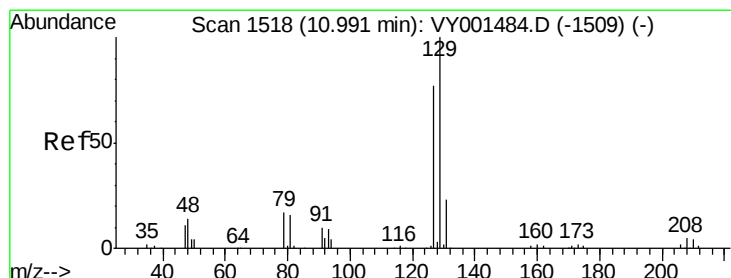
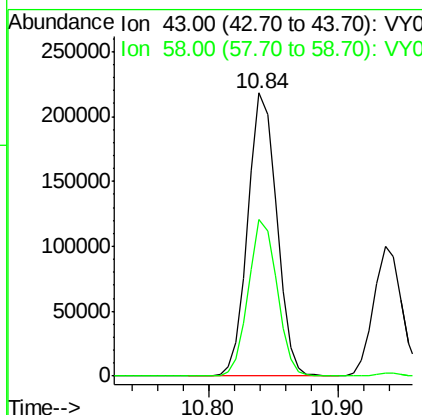
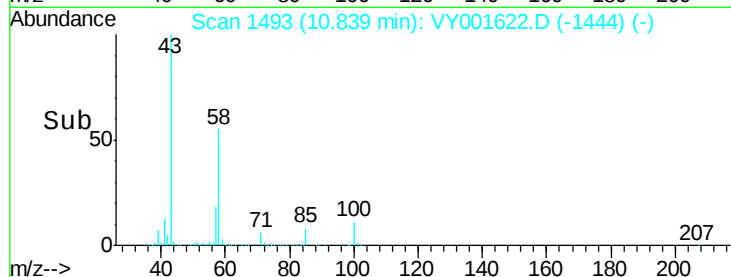
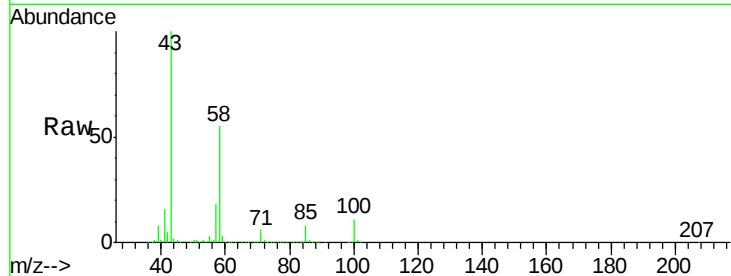
#59
2-Hexanone
Concen: 321.735 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 337218
Ion Ratio Lower Upper
43 100
58 54.8 29.0 87.0

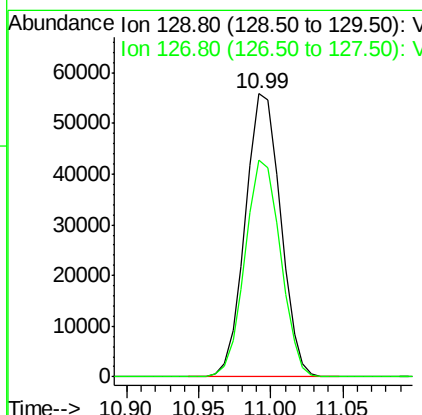
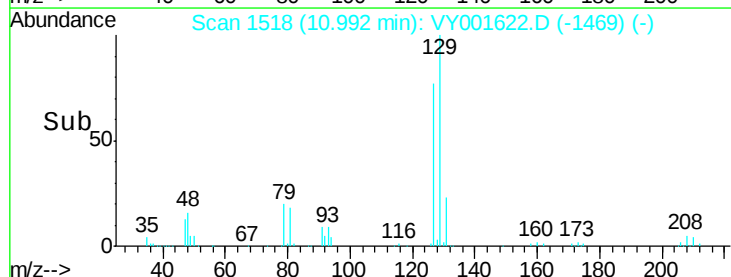
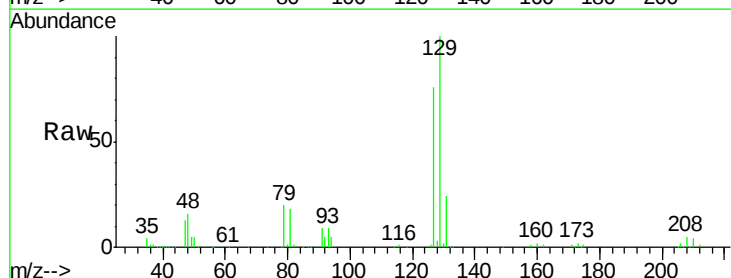
Manual Integrations
APPROVED

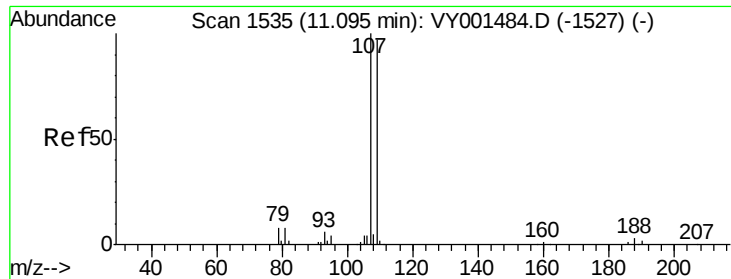
MMDadoda
2/14/2020 5:06:01 PM



#60
Dibromochloromethane
Concen: 47.549 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion: 129 Resp: 94982
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





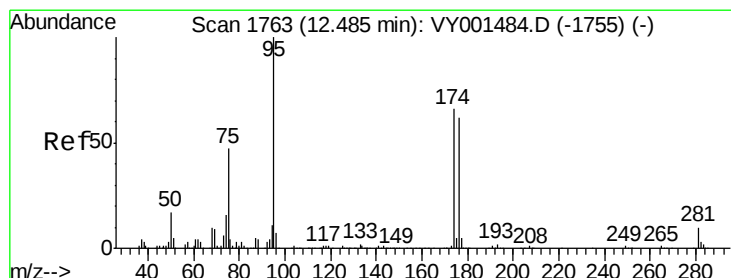
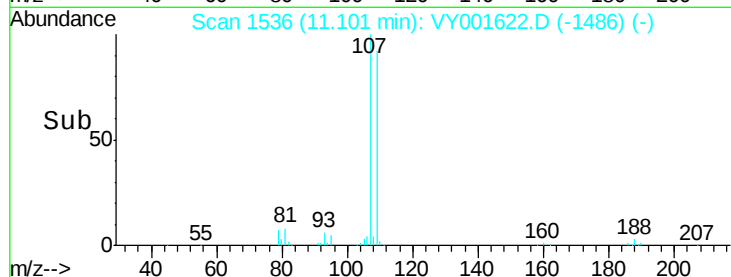
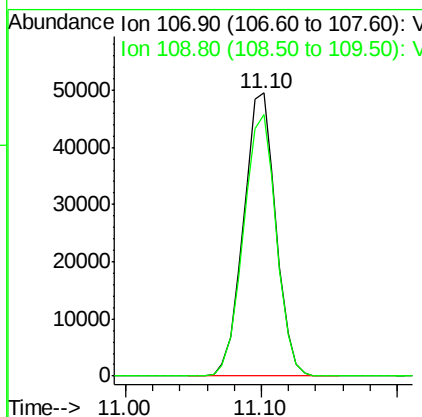
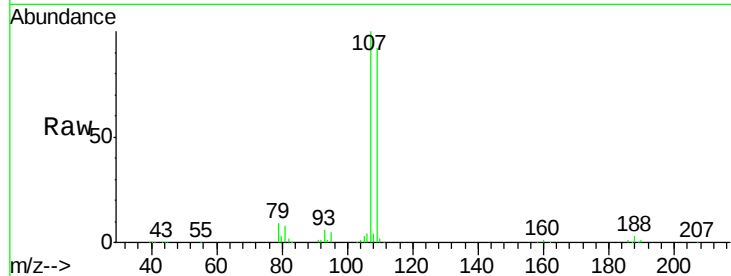
#61
 1,2-Dibromoethane
 Concen: 49.204 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 82127
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.2

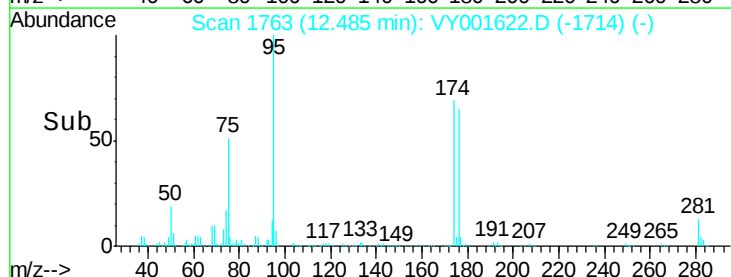
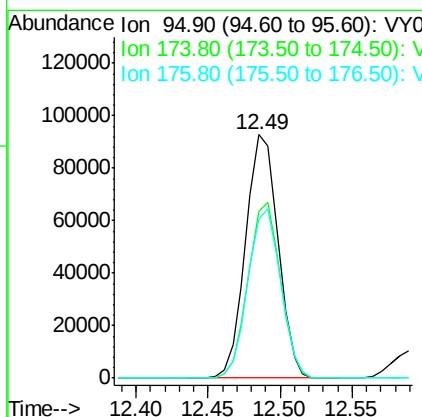
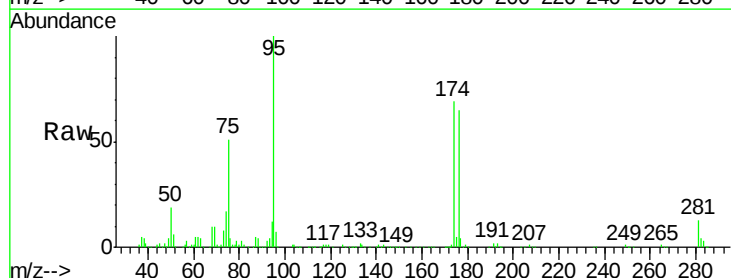
Manual Integrations
 APPROVED

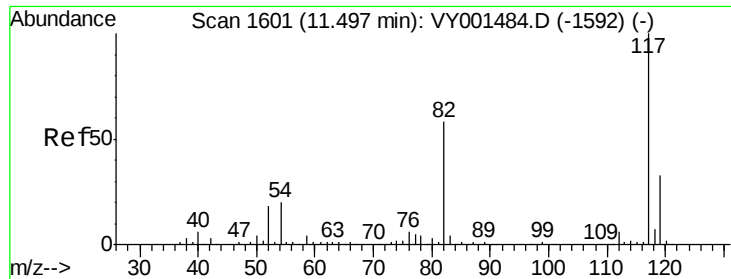
MMDadoda
 2/14/2020 5:06:01 PM



#62
 4-Bromofluorobenzene
 Concen: 50.353 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion: 95 Resp: 144473
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 141.4
 176 70.3 0.0 135.4





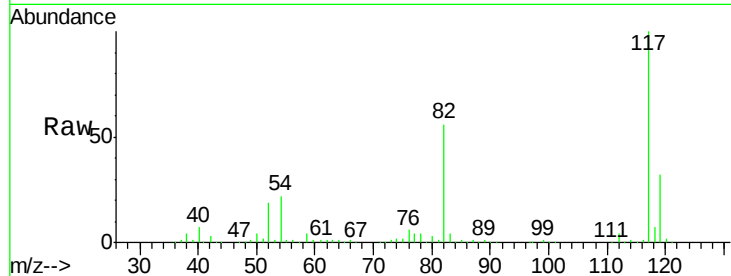
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.1	69.1
119	31.9	26.1	39.1

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM

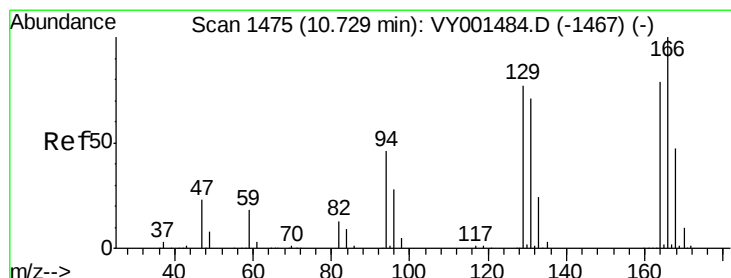
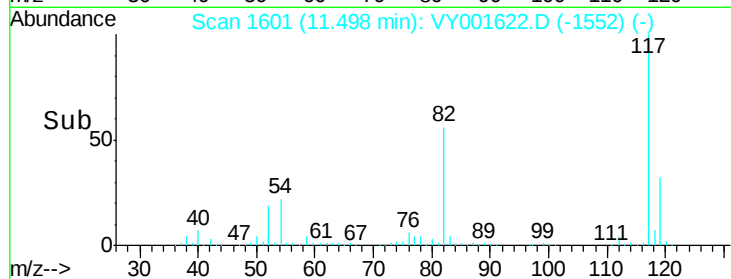
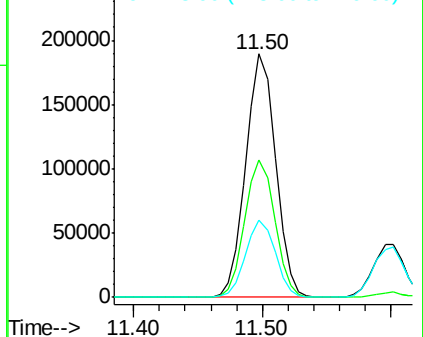


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.184 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	100.8	151.2
129	97.6	77.8	116.6
131	91.6	72.0	108.0

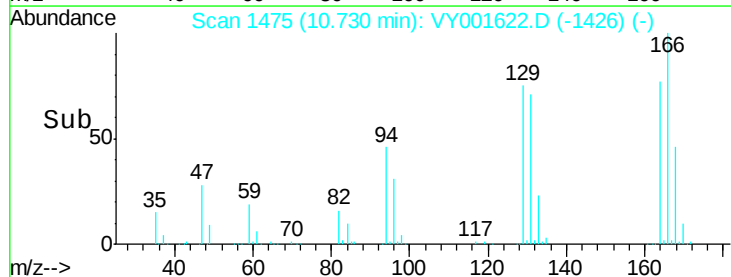
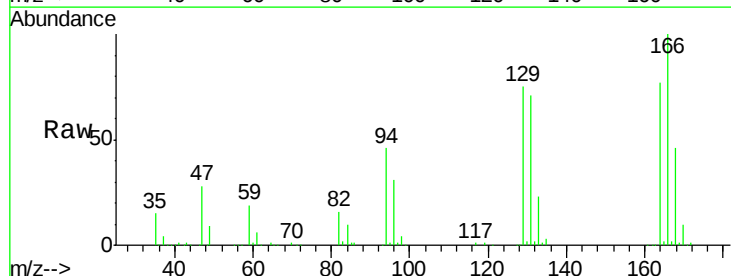
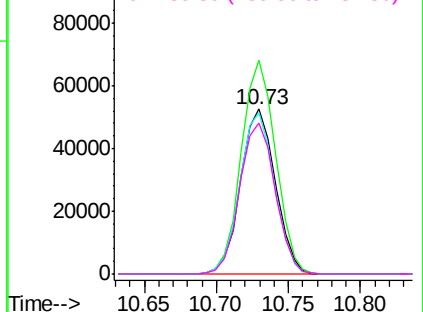
Abundance

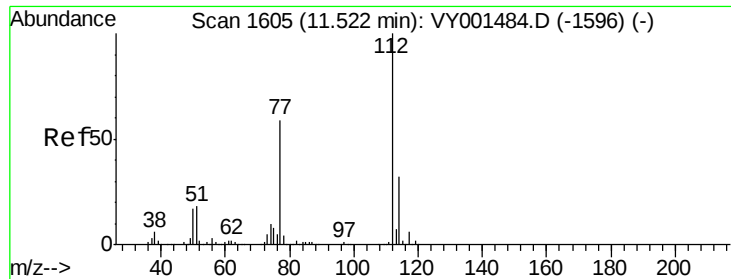
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





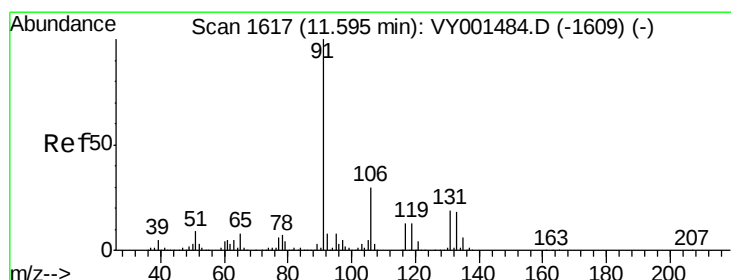
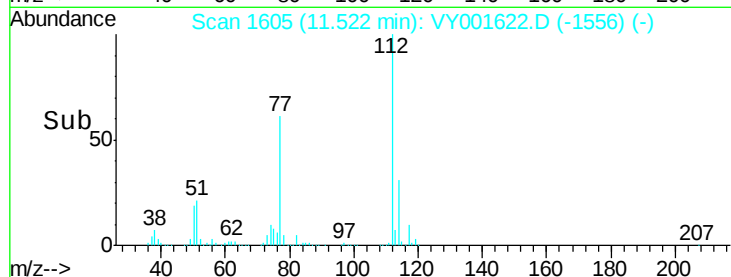
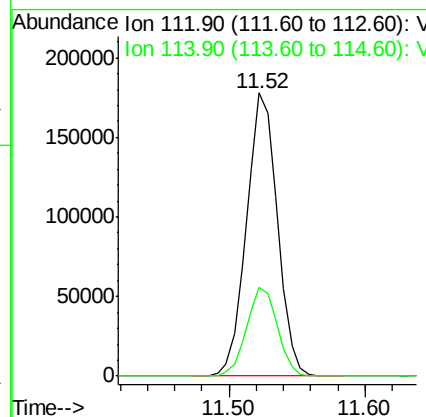
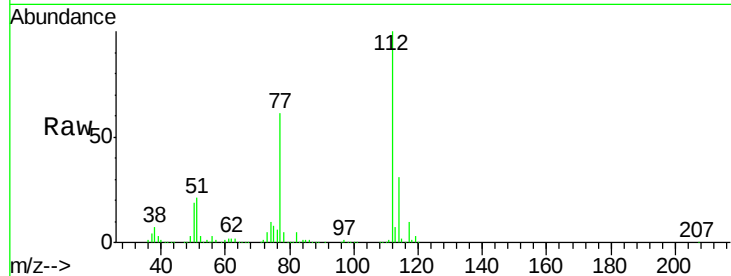
#65
Chlorobenzene
Concen: 47.537 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.2

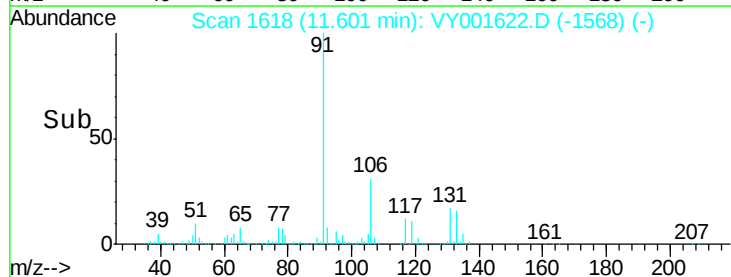
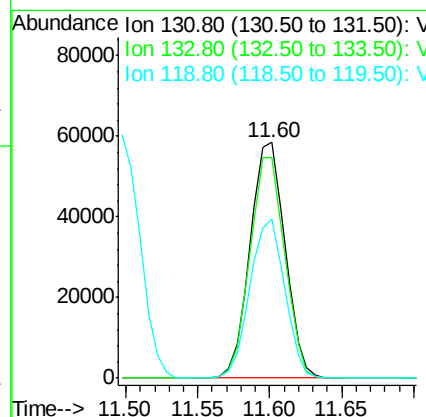
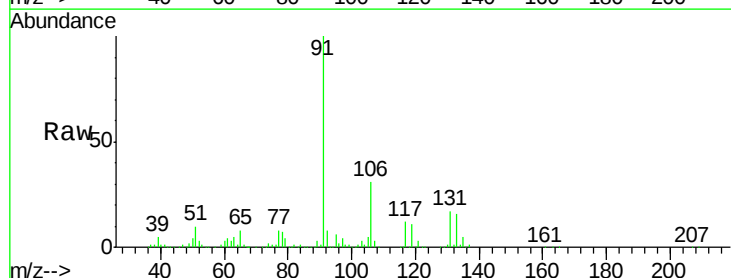
Manual Integrations
APPROVED

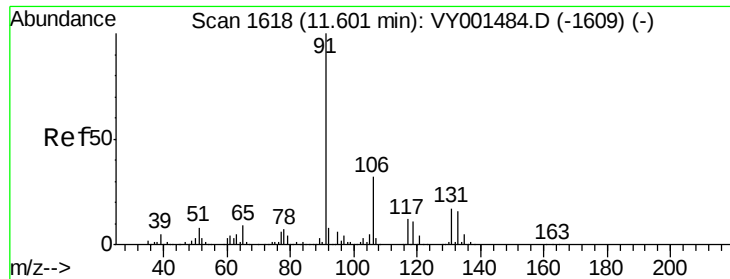
MMDadoda
2/14/2020 5:06:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.116 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.9	143.8
119	67.3	33.7	101.0





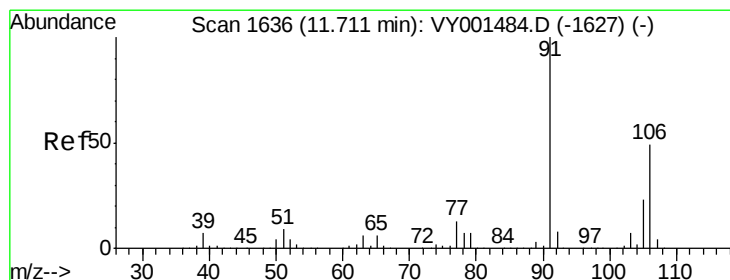
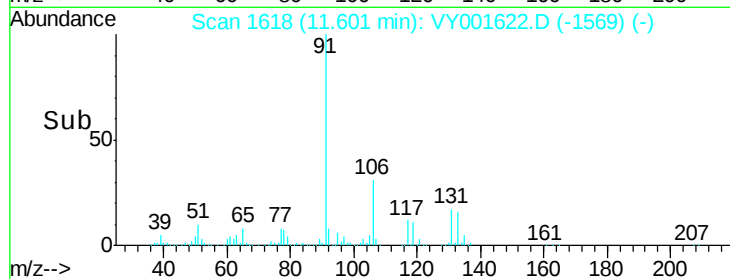
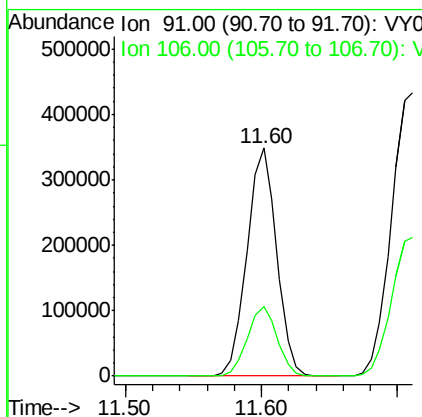
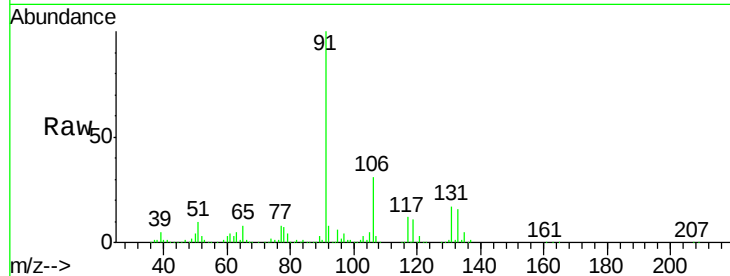
#67
Ethyl Benzene
Concen: 48.460 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 532604
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

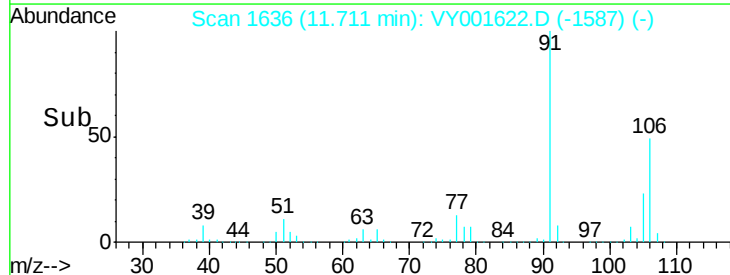
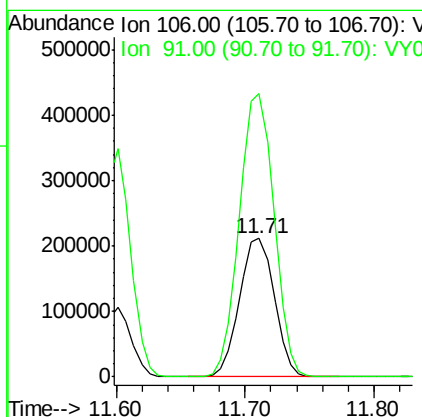
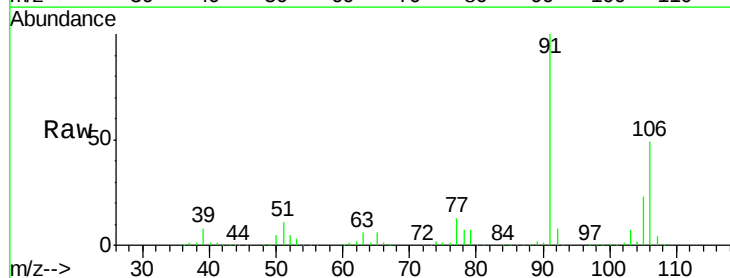
Manual Integrations
APPROVED

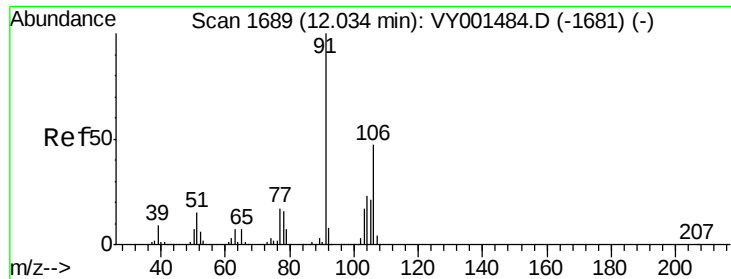
MMDadoda
2/14/2020 5:06:01 PM



#68
m/p-Xylenes
Concen: 96.407 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion: 106 Resp: 397769
Ion Ratio Lower Upper
106 100
91 203.5 163.6 245.4





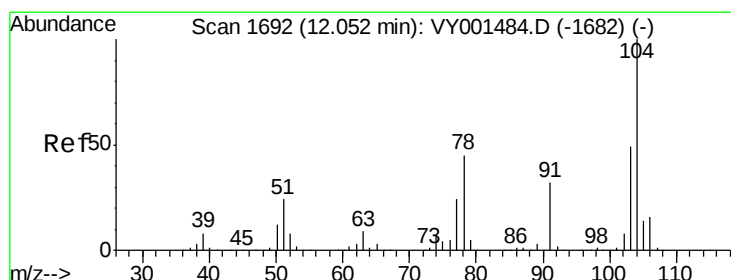
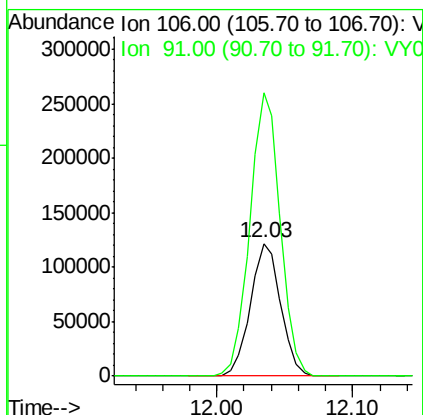
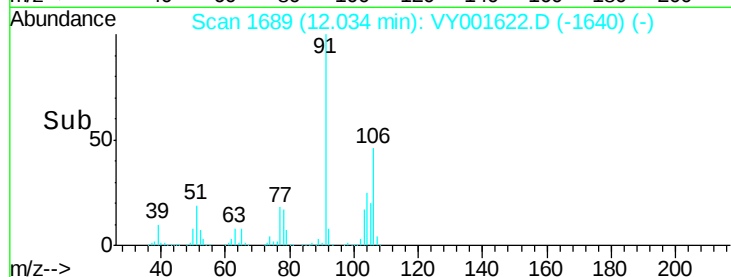
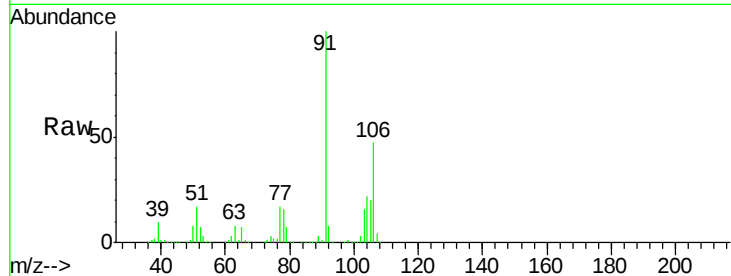
#69
o-Xylene
Concen: 48.657 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 189283
Ion Ratio Lower Upper
106 100
91 214.4 106.0 318.0

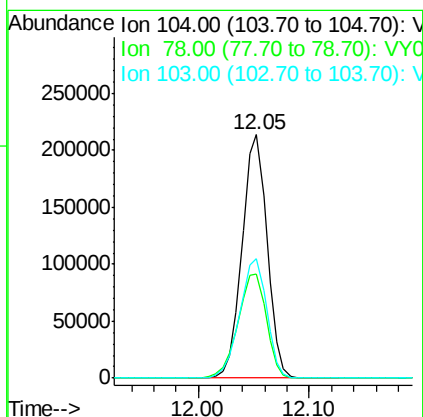
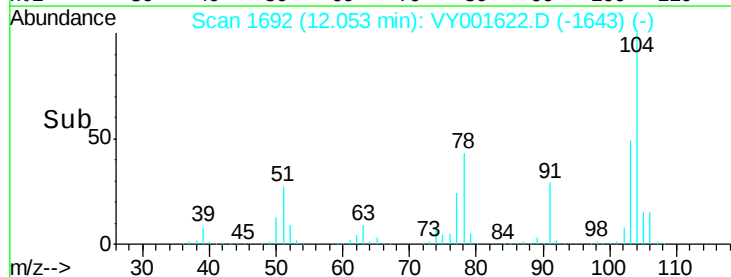
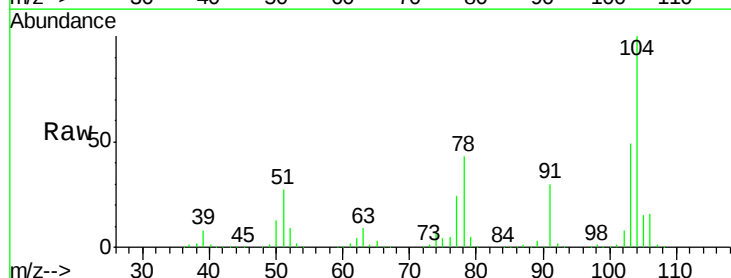
Manual Integrations
APPROVED

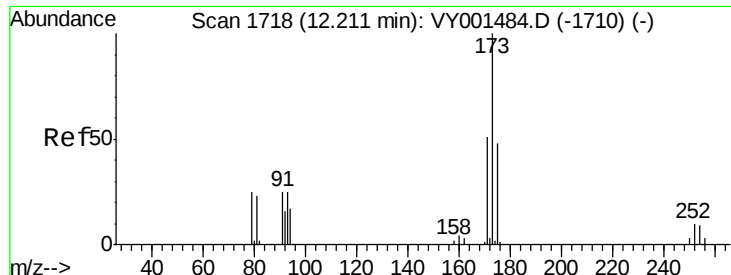
MMDadoda
2/14/2020 5:06:01 PM



#70
Styrene
Concen: 49.565 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion:104 Resp: 333442
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 53.3 42.8 64.2





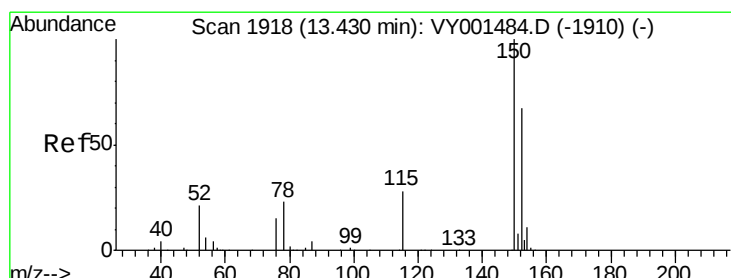
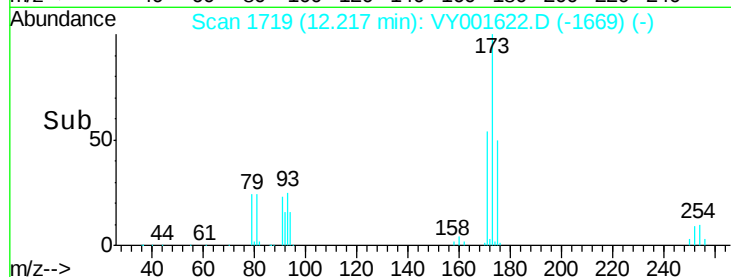
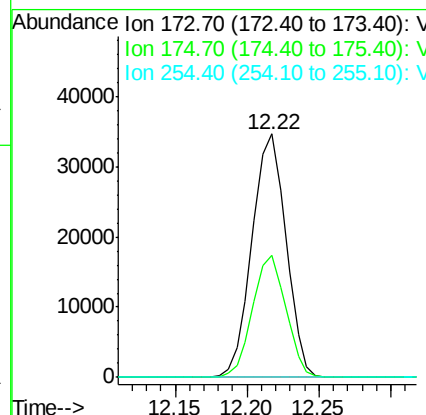
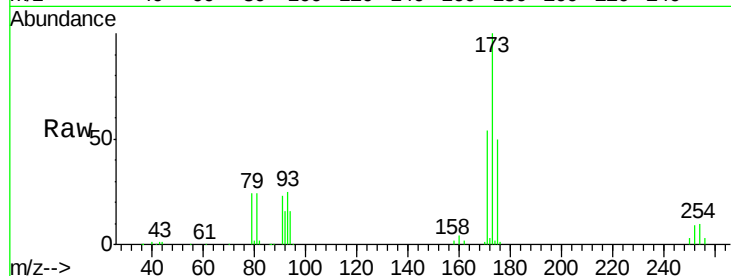
#71
Bromoform
Concen: 48.944 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.0	0.1	0.1

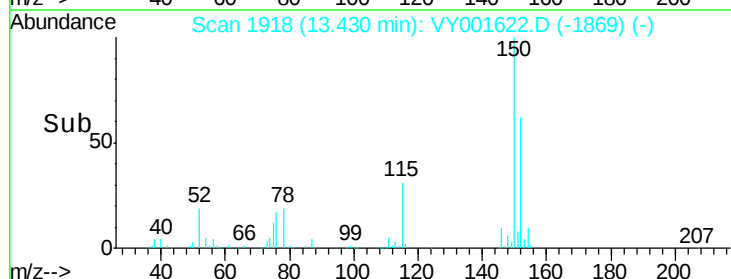
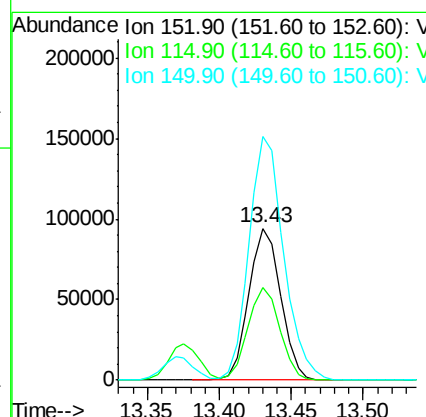
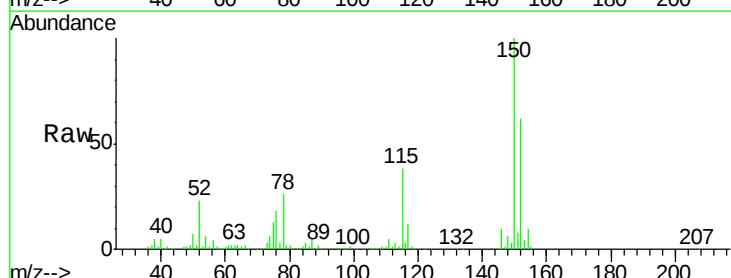
Manual Integrations
APPROVED

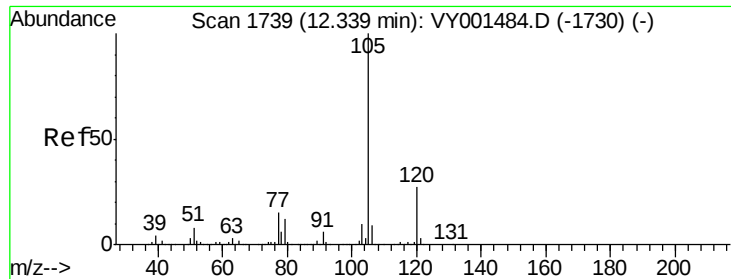
MMDadoda
2/14/2020 5:06:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.4	94.3
150	174.0	0.0	346.8





#73

Isopropylbenzene

Concen: 46.825 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 514521

Ion Ratio Lower Upper

105 100

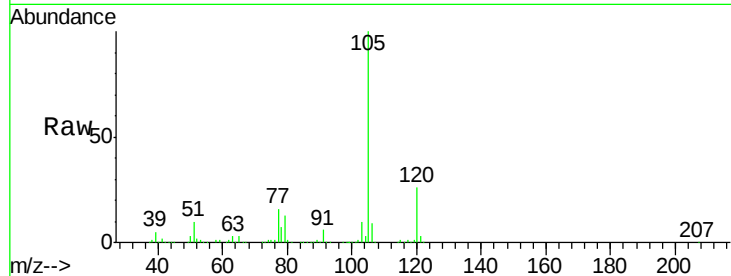
120 26.9 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

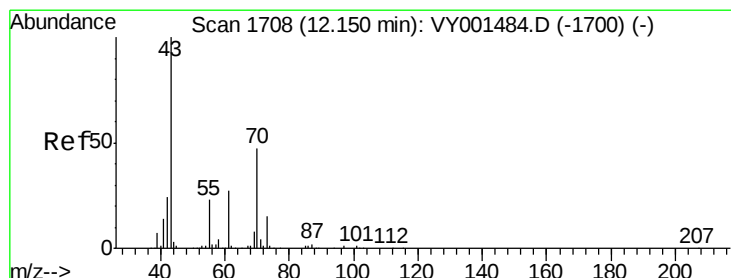
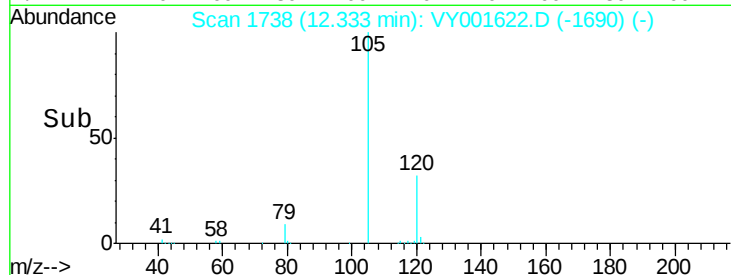
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.858 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion: 43 Resp: 165205

Ion Ratio Lower Upper

43 100

70 41.7 37.2 55.8

55 22.8 18.8 28.2

61 24.4 21.4 32.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.15

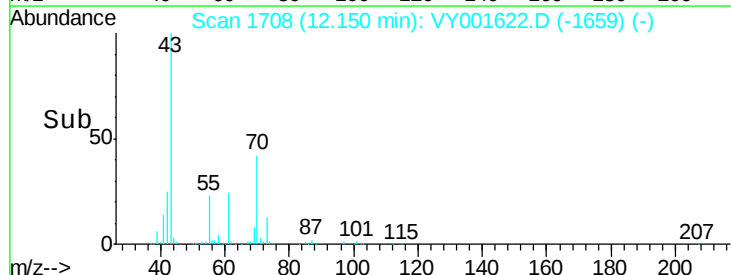
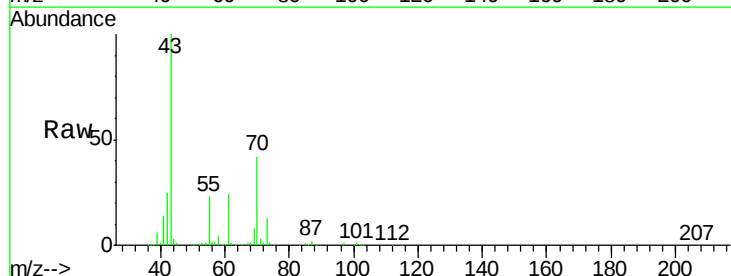
150000

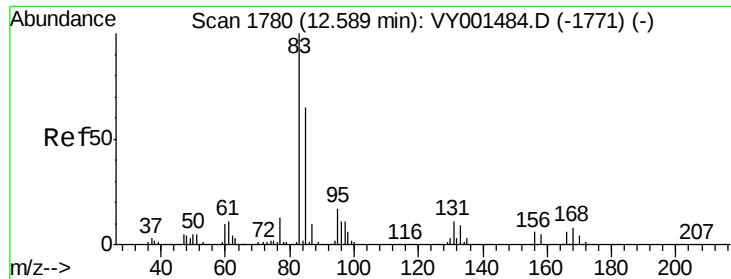
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.819 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

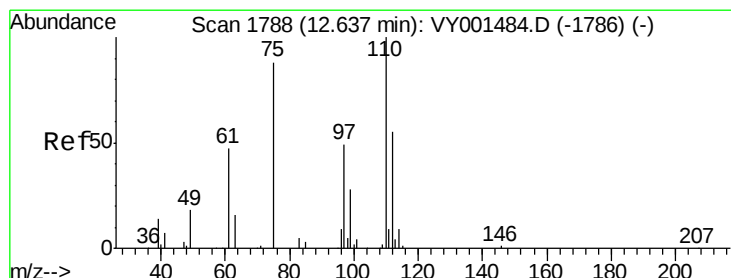
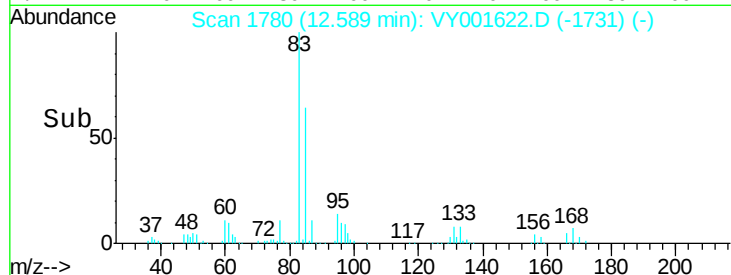
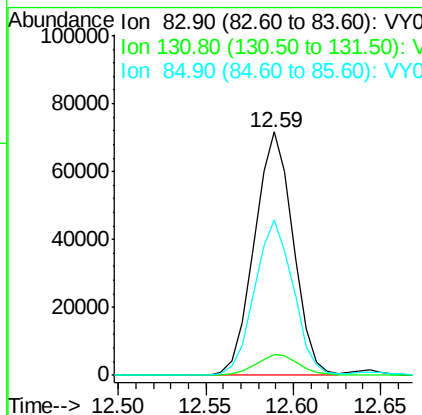
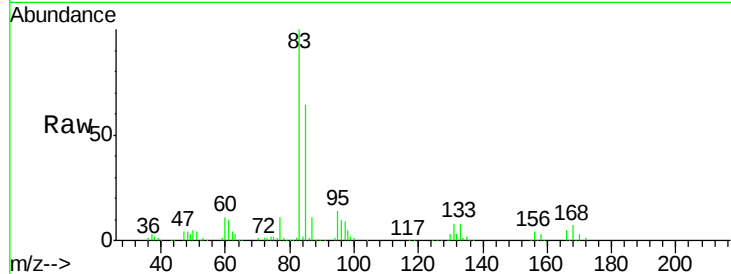
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	110270
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.4	16.2
85	63.8	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#76

1,2,3-Trichloropropane

Concen: 51.734 ug/l m

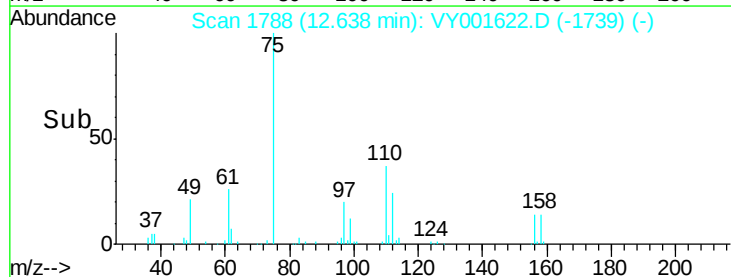
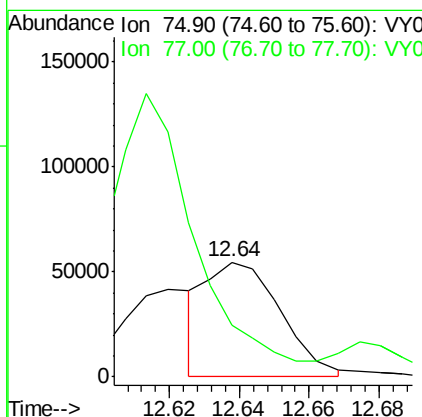
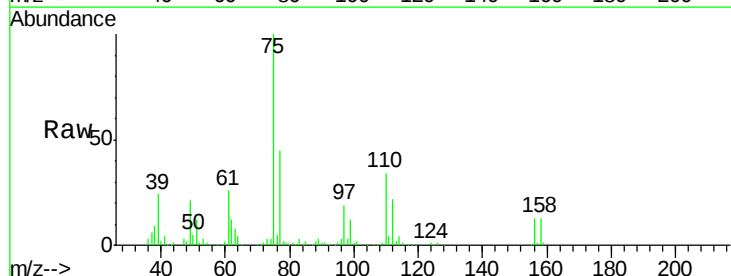
RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	75	Resp:	80155
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.288 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 110072

Ion Ratio Lower Upper

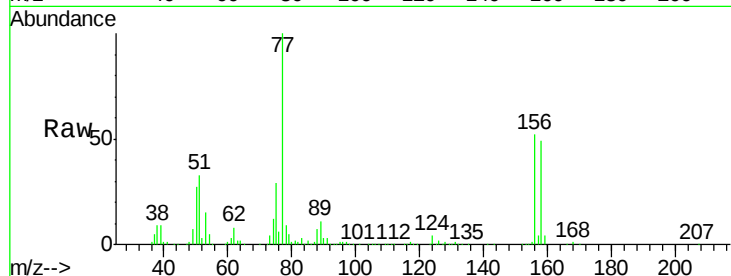
156 100

77 215.0 99.8 299.3

158 97.1 47.5 142.6

Manual Integrations
APPROVED

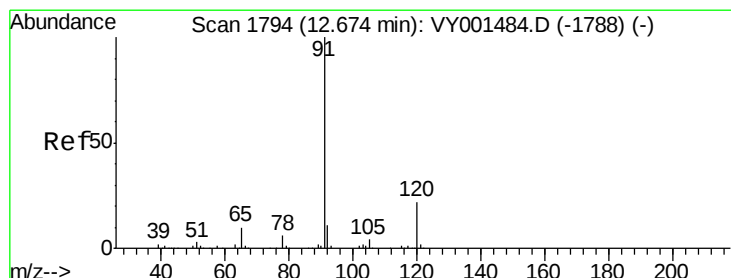
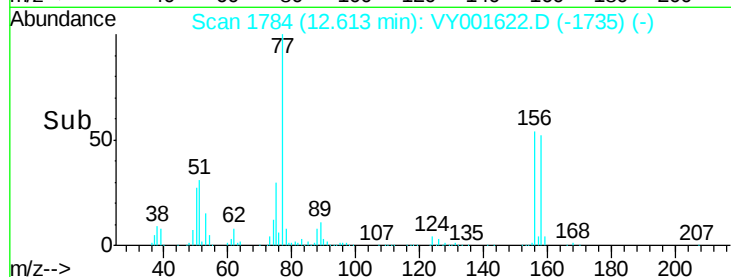
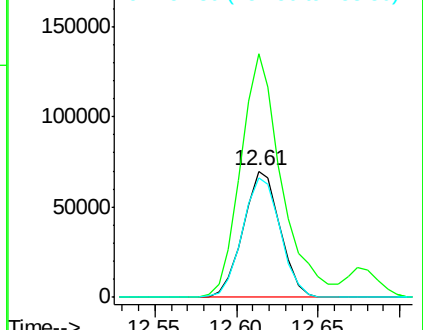
MMDadoda
2/14/2020 5:06:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.464 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001622.D

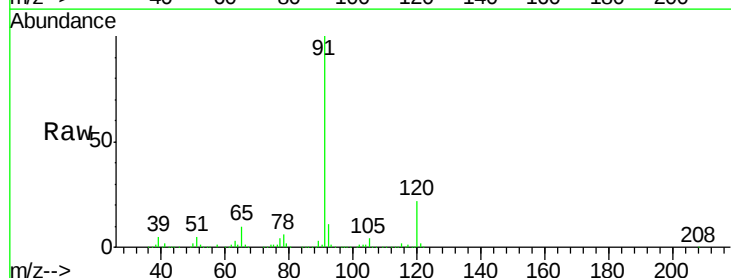
Acq: 13 Feb 2020 11:18

Tgt Ion: 91 Resp: 637539

Ion Ratio Lower Upper

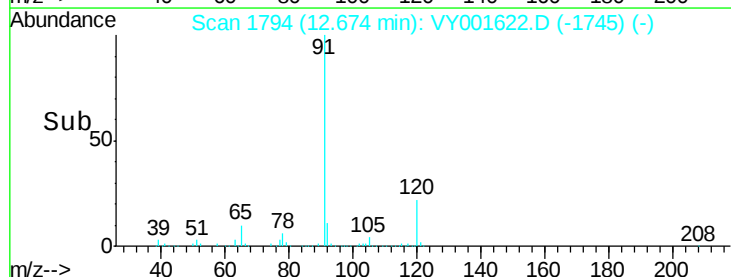
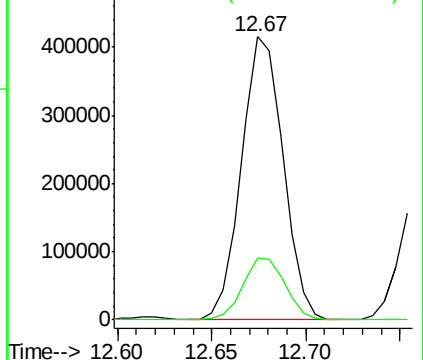
91 100

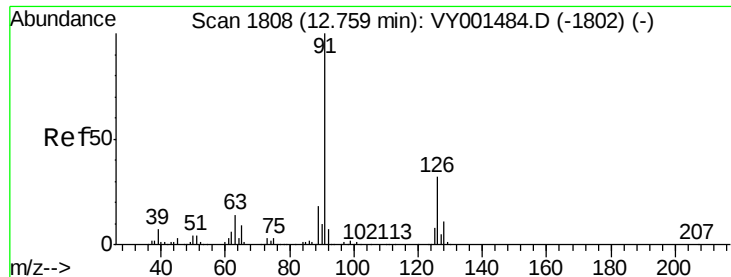
120 22.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.886 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 351566

Ion Ratio Lower Upper

91 100

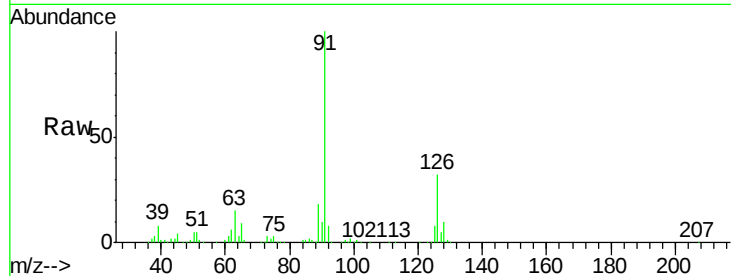
126 33.2 16.4 49.2

Manual Integrations

APPROVED

MMDadoda

2/14/2020 5:06:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001484.D (-1802) (-)

400000

300000

200000

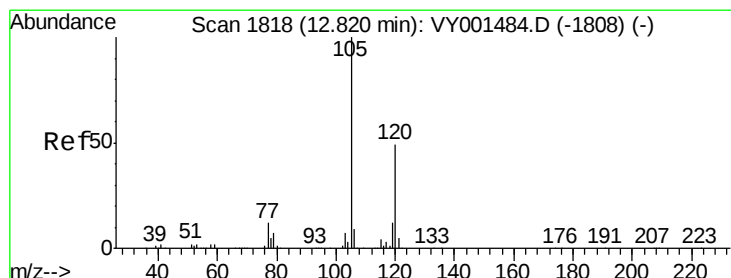
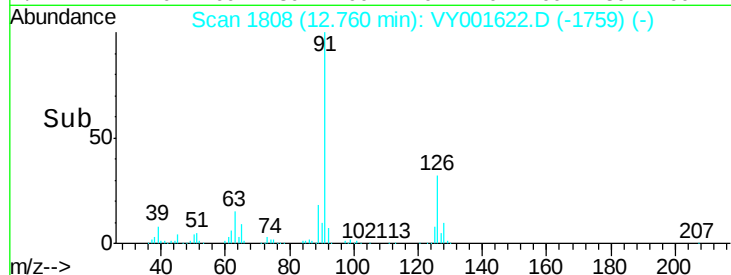
100000

0

12.70 12.75 12.80

12.76

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.561 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001622.D

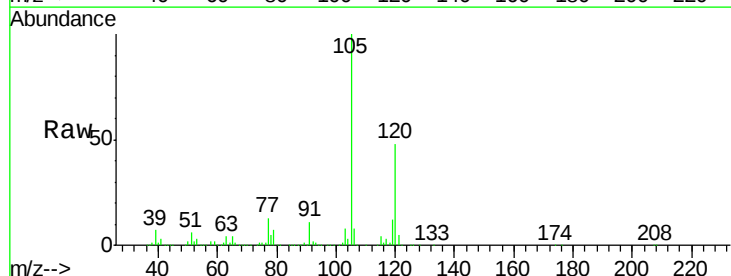
Acq: 13 Feb 2020 11:18

Tgt Ion: 105 Resp: 430874

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001484.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY001484.D (-1808) (-)

300000

250000

200000

150000

100000

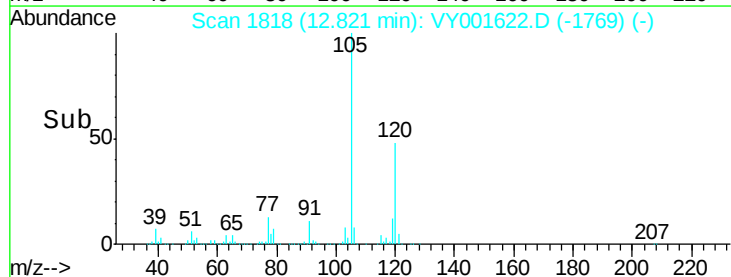
50000

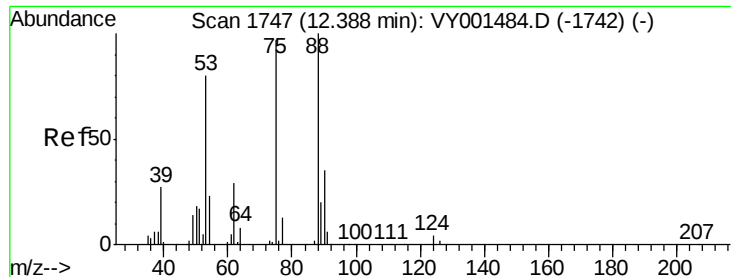
0

12.75 12.80 12.85 12.90

12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.065 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Instrument :

MSVOA_Y

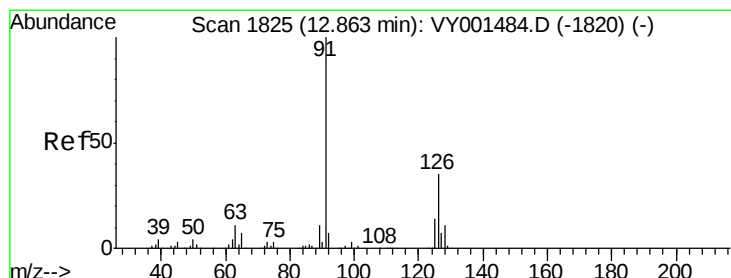
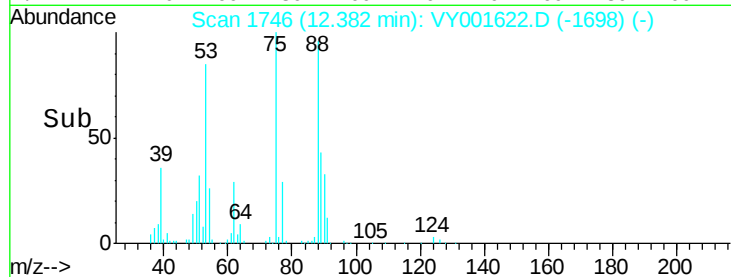
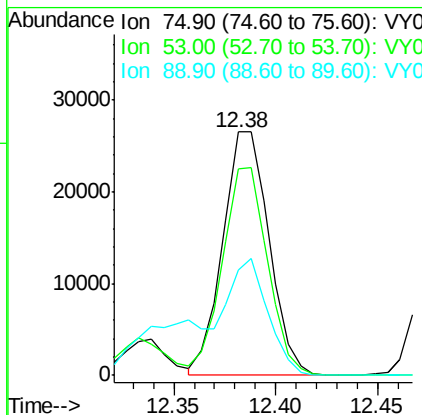
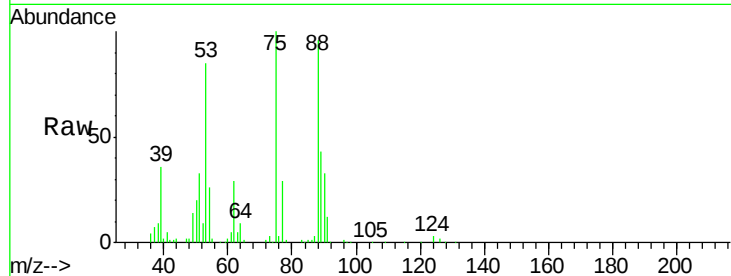
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	41690
Ion	Ratio	Lower	Upper
75	100		
53	83.1	67.7	101.5
89	40.9	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#82

4-Chlorotoluene

Concen: 47.871 ug/l

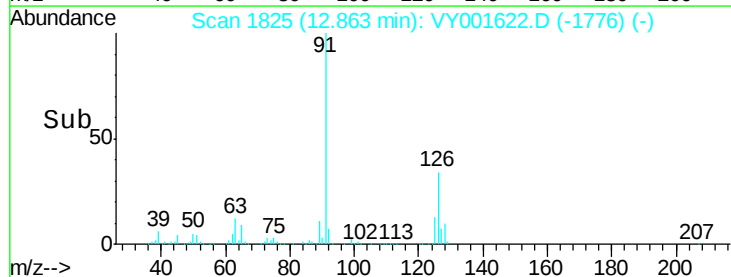
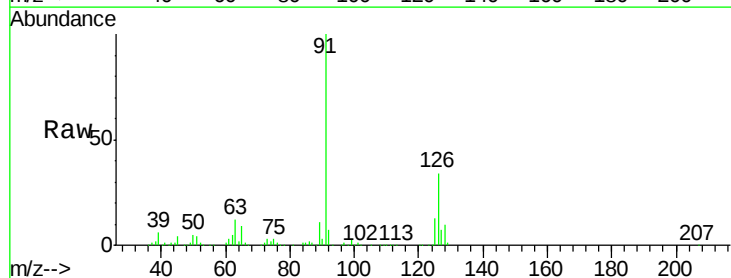
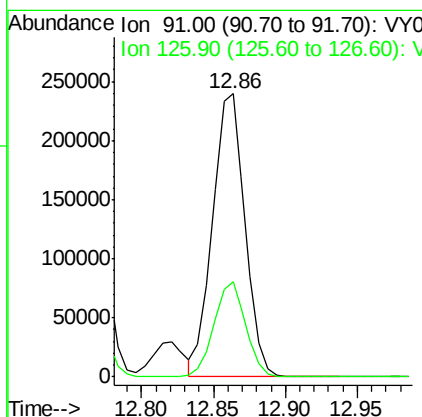
RT: 12.86 min Scan# 1825

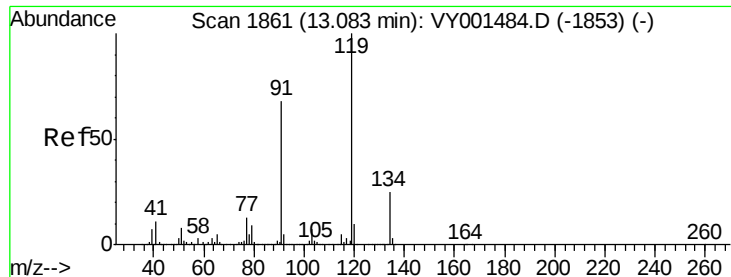
Delta R.T. 0.00 min

Lab File: VY001622.D

Acq: 13 Feb 2020 11:18

Tgt Ion:	91	Resp:	376351
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





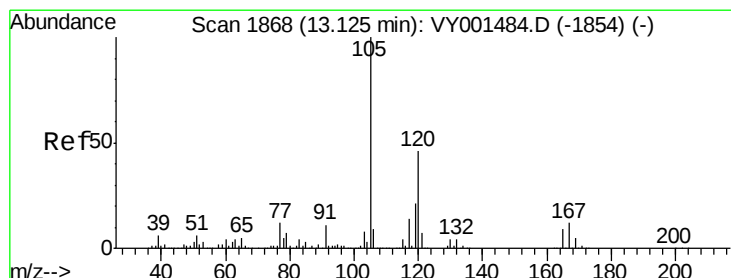
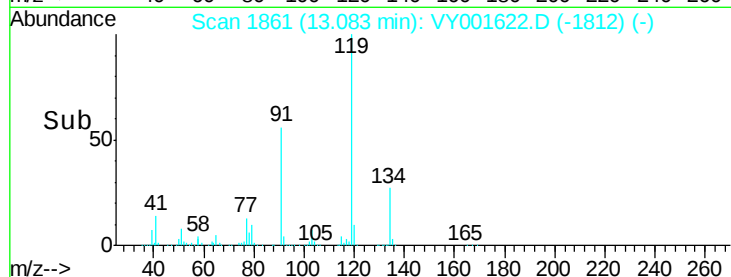
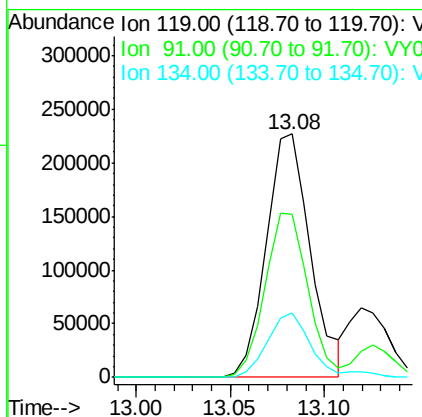
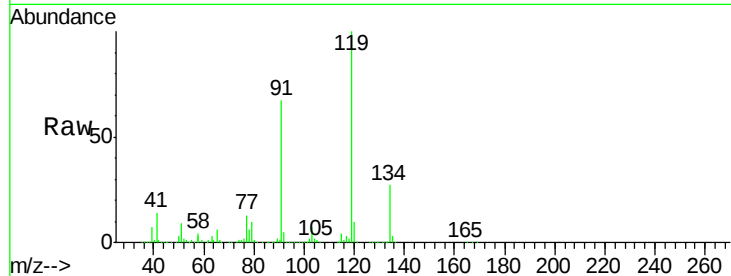
#83
tert-Butylbenzene
Concen: 47.180 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.1	99.3
134	26.8	13.0	39.0

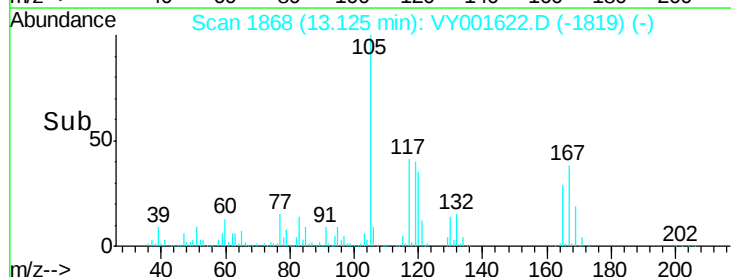
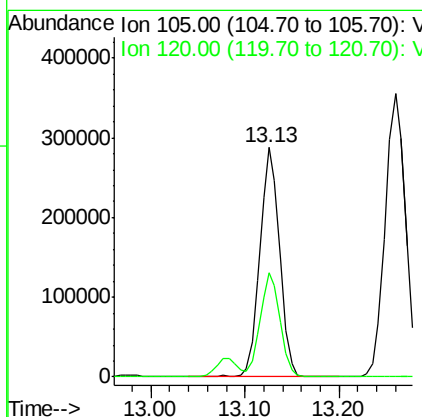
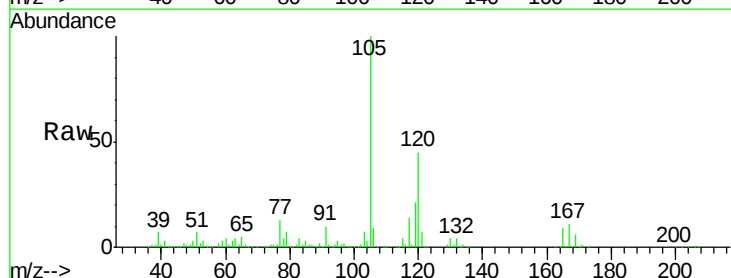
Manual Integrations
APPROVED

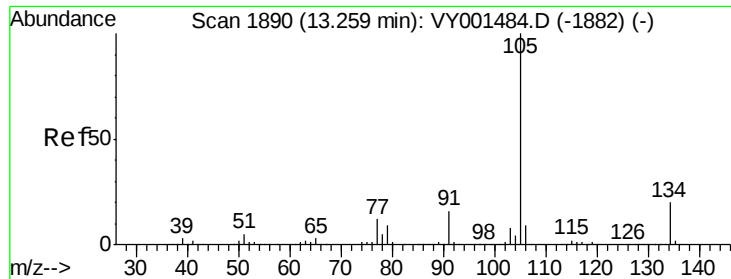
MMDadoda
2/14/2020 5:06:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.723 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.0





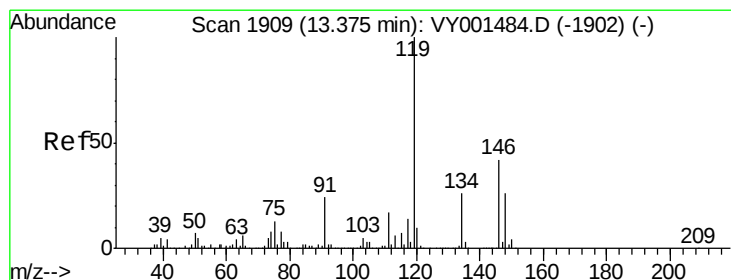
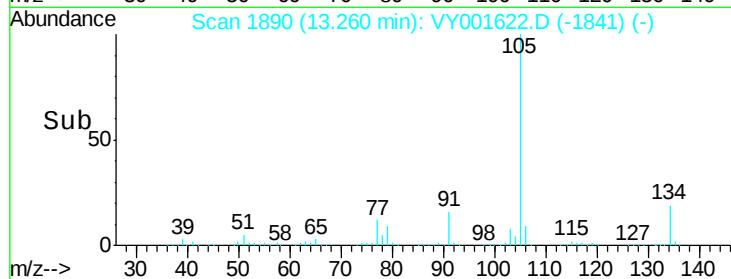
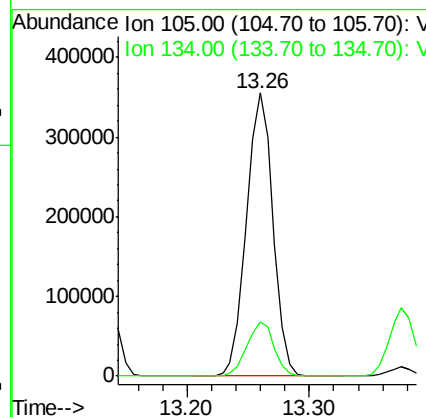
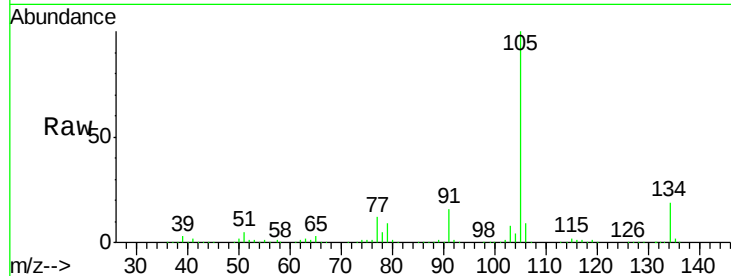
#85
 sec-Butylbenzene
 Concen: 48.607 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 534572
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.0 29.8

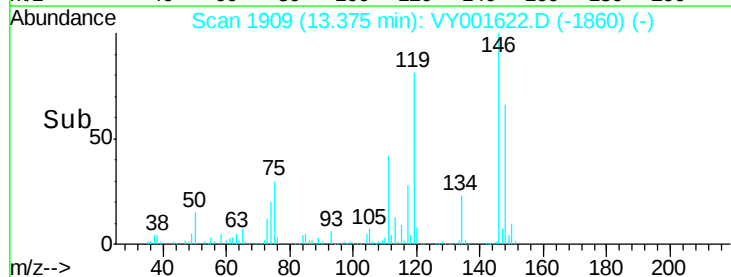
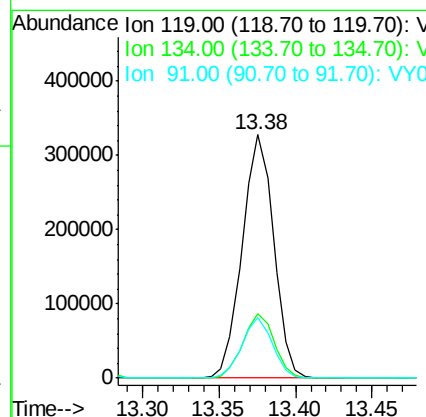
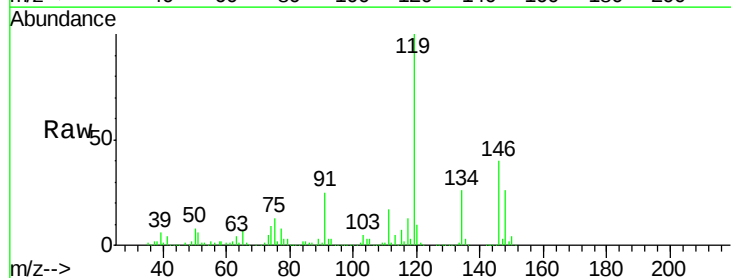
Manual Integrations
 APPROVED

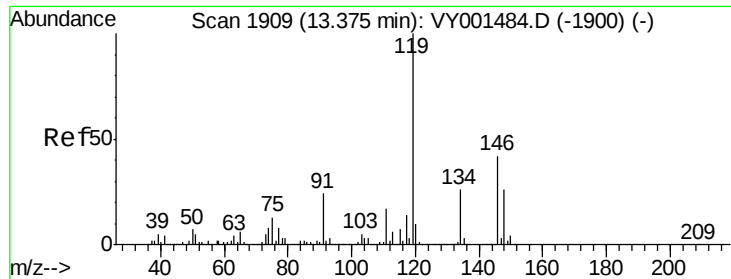
MMDadoda
 2/14/2020 5:06:01 PM



#86
 p-Isopropyltoluene
 Concen: 48.347 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion:119 Resp: 468560
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 24.2 12.2 36.6





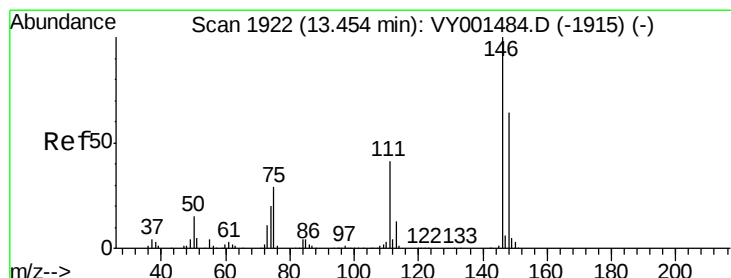
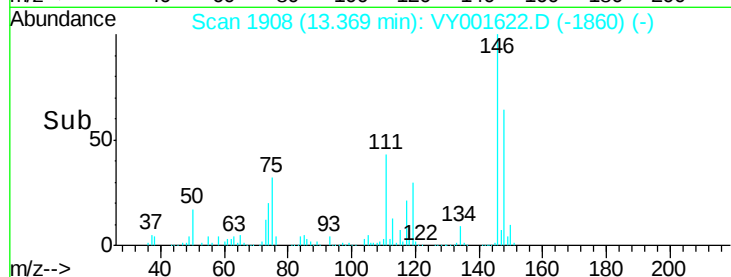
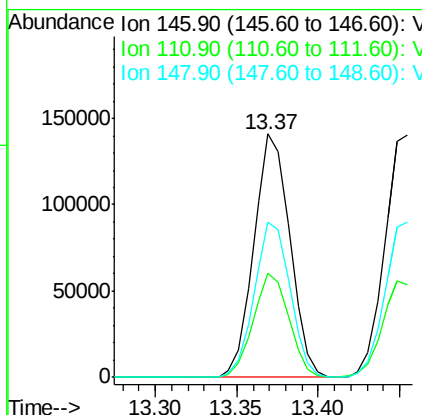
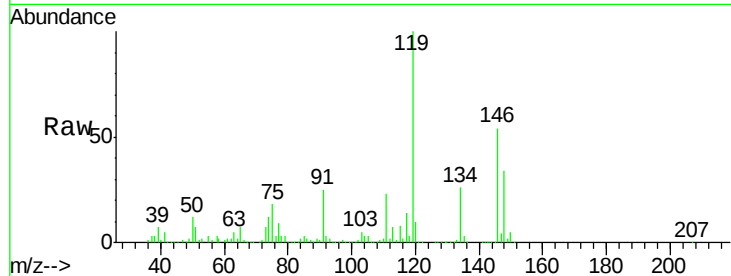
#87
 1,3-Dichlorobenzene
 Concen: 47.682 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	63.6	31.9	95.7

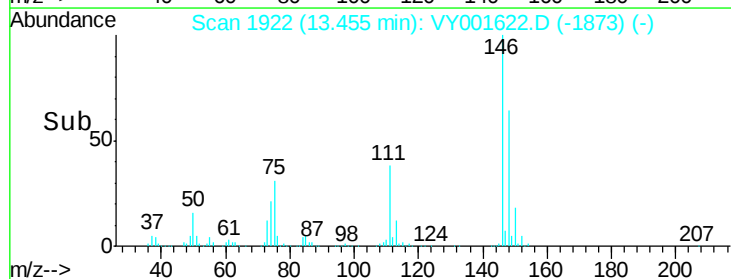
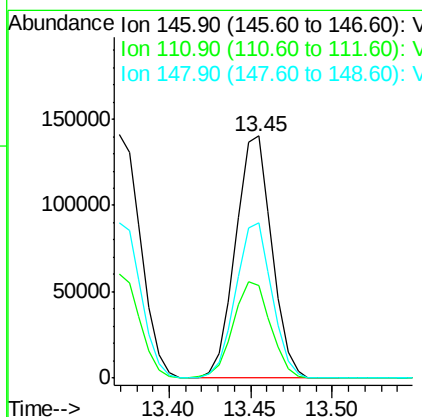
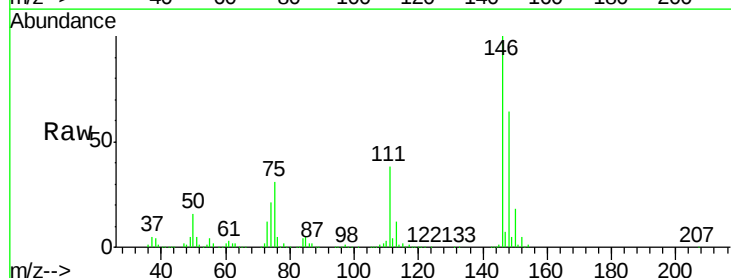
Manual Integrations
 APPROVED

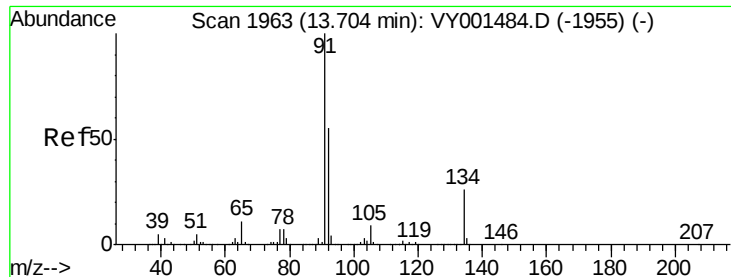
MMDadoda
 2/14/2020 5:06:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.679 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	64.0	32.1	96.5





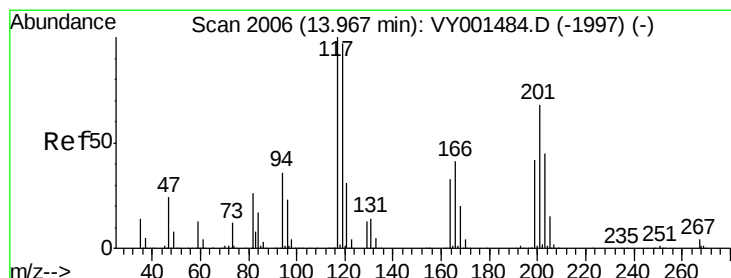
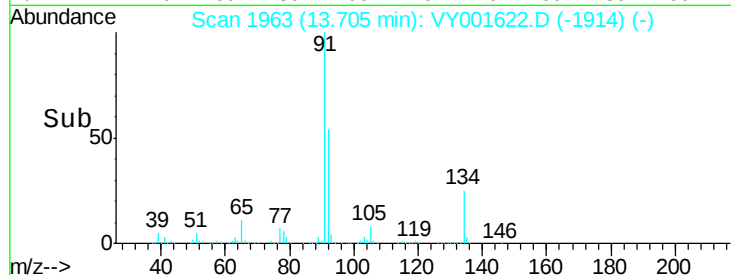
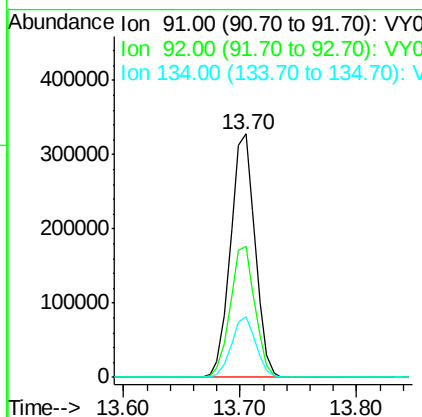
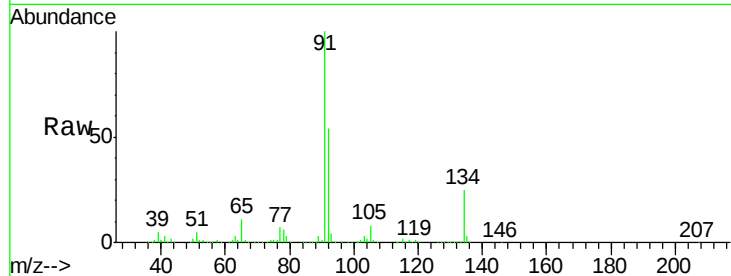
#89
n-Butylbenzene
Concen: 50.267 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.9
134	24.6	13.0	38.9

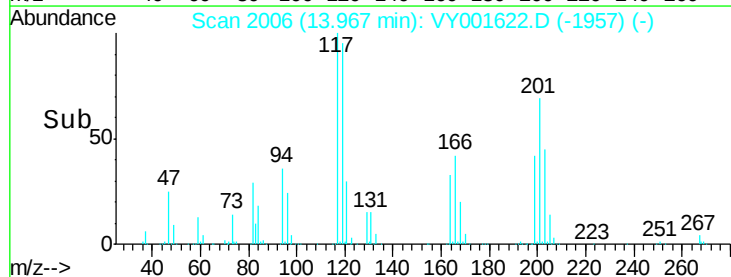
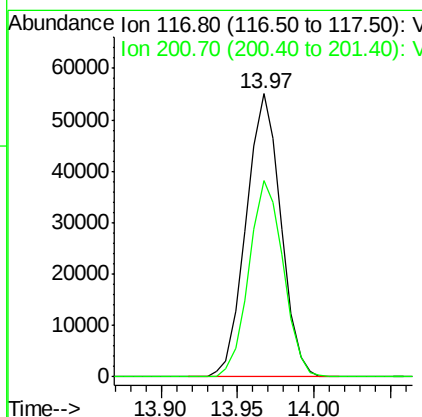
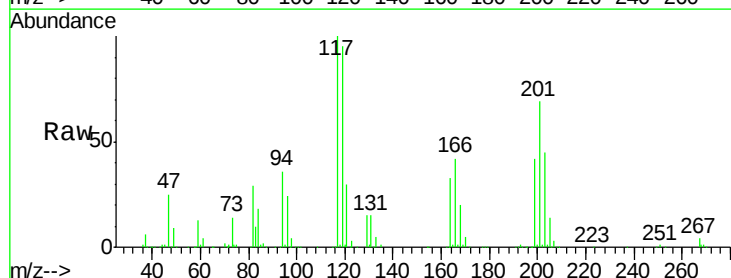
Manual Integrations
APPROVED

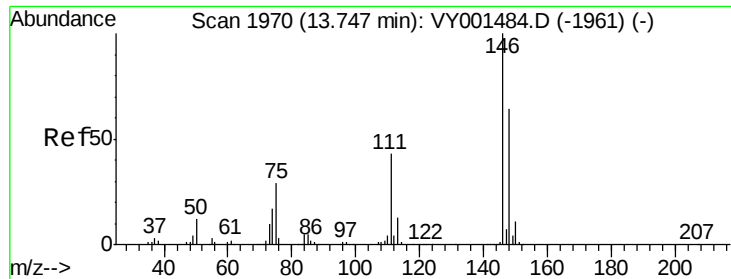
MMDadoda
2/14/2020 5:06:01 PM



#90
Hexachloroethane
Concen: 46.760 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.1	102.3





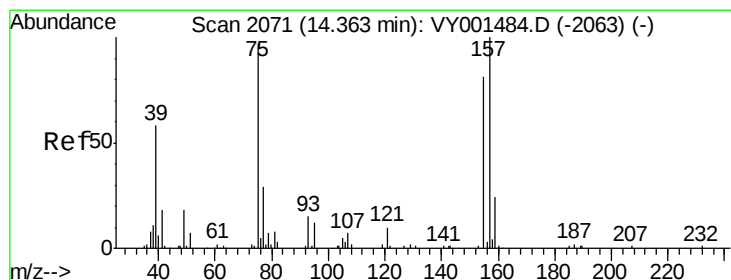
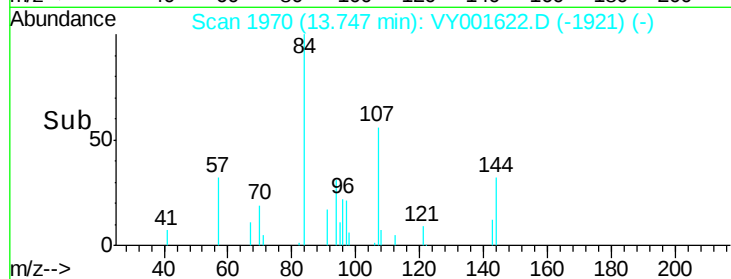
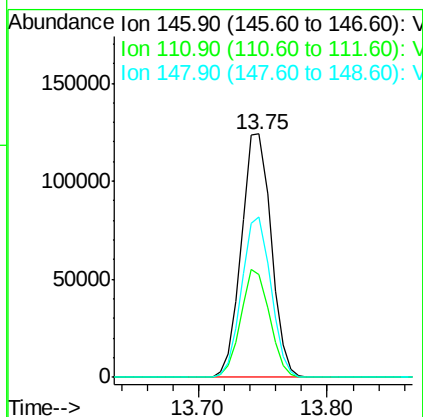
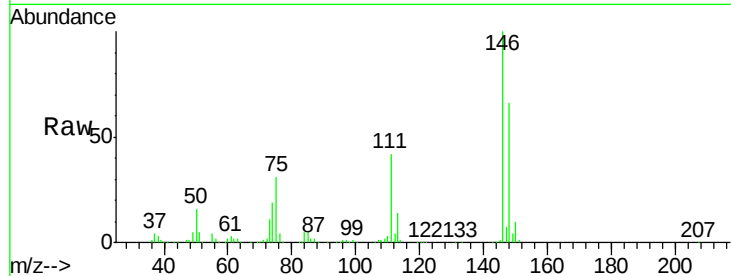
#91
 1,2-Dichlorobenzene
 Concen: 47.955 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.8
148	64.7	31.8	95.3

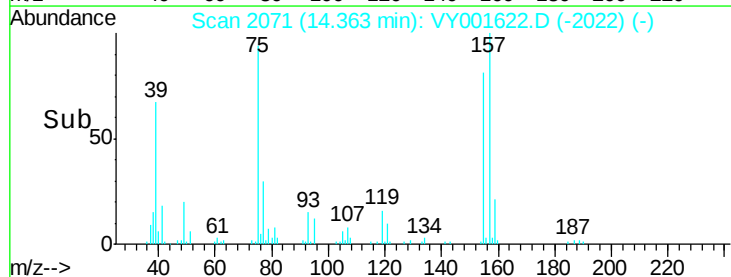
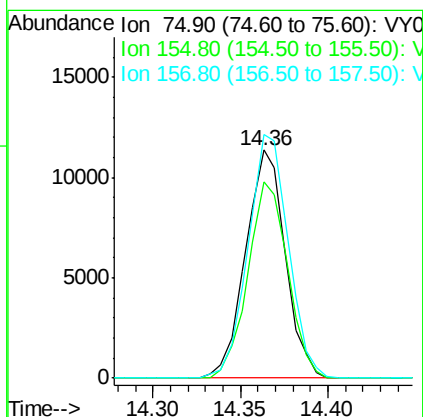
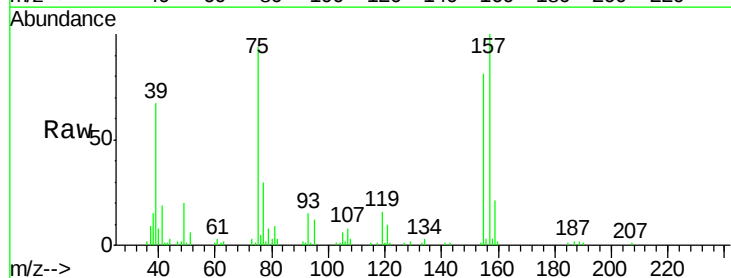
Manual Integrations
 APPROVED

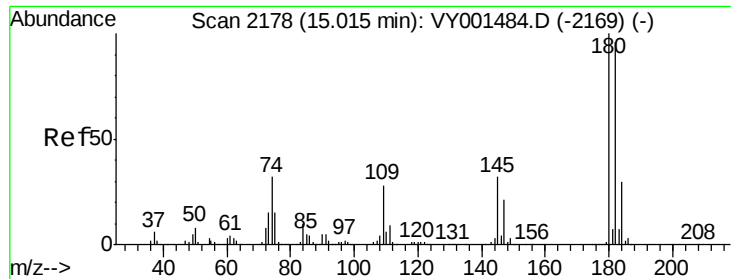
MMDadoda
 2/14/2020 5:06:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.356 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	40.7	122.1
157	108.5	52.3	157.1





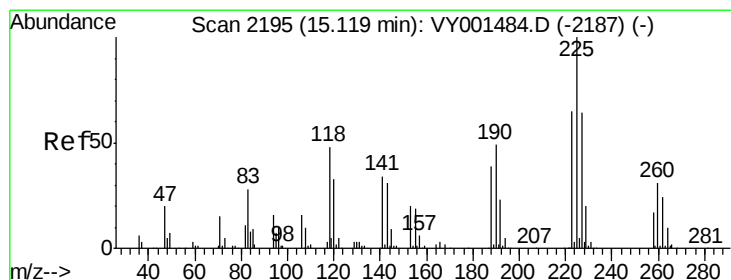
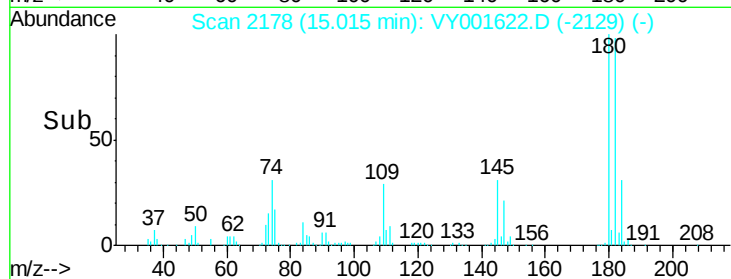
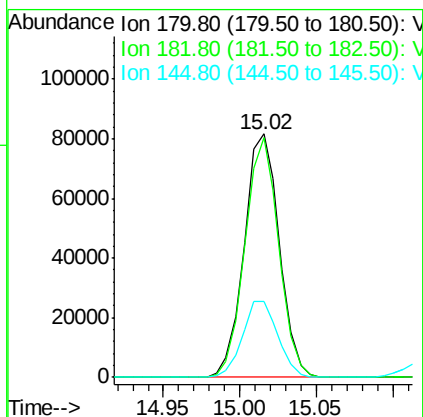
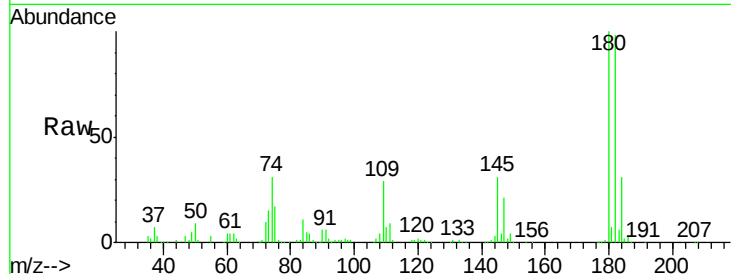
#93
 1,2,4-Trichlorobenzene
 Concen: 46.639 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.7
145	31.6	16.8	50.3

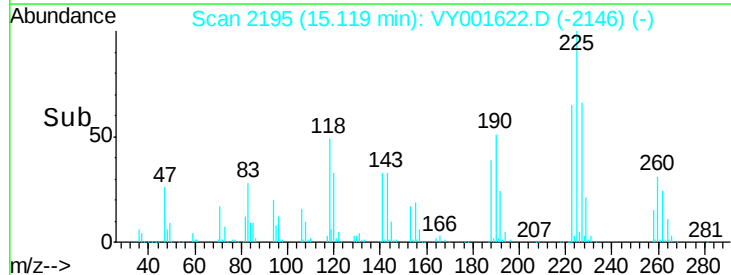
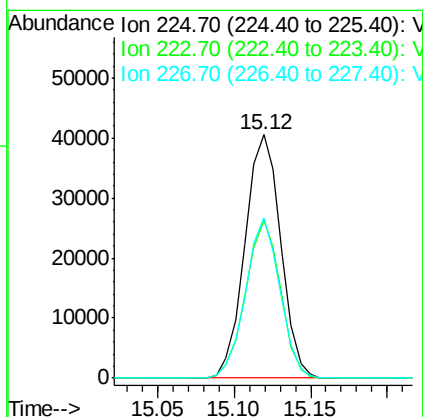
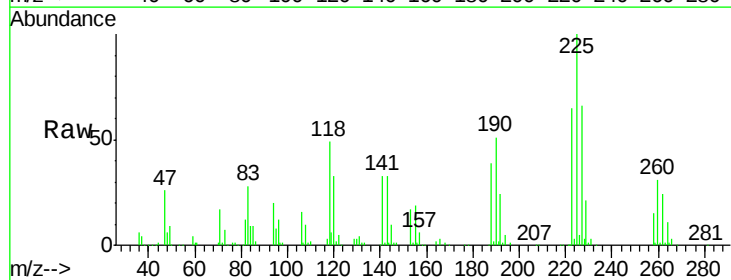
Manual Integrations
 APPROVED

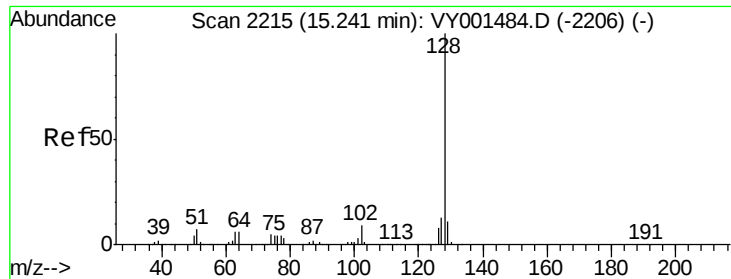
MMDadoda
 2/14/2020 5:06:01 PM



#94
 Hexachlorobutadiene
 Concen: 46.585 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001622.D
 Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.1	32.6	97.7





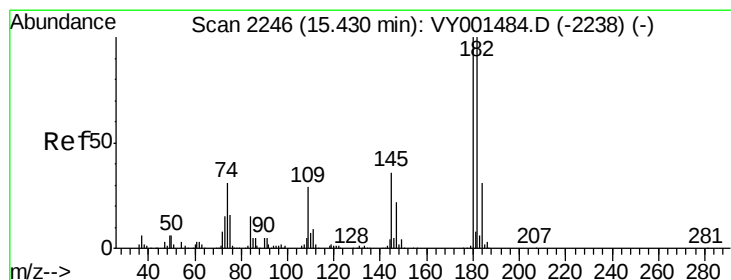
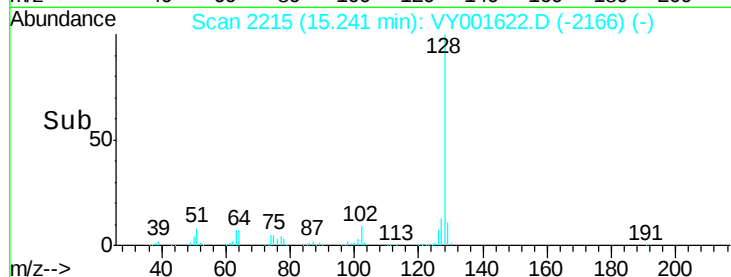
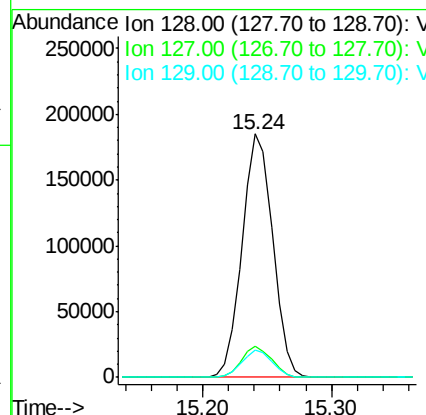
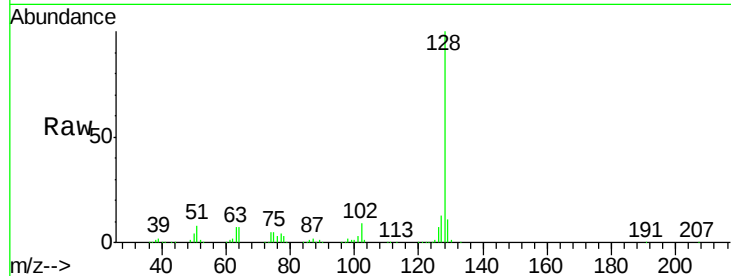
#95
Naphthalene
Concen: 46.634 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	305028		
127	12.6		10.1	15.1
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:06:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.617 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001622.D
Acq: 13 Feb 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114524		
182	94.8		48.0	144.2
145	34.0		17.8	53.5

