

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030220\
 Data File : VY001823.D
 Acq On : 02 Mar 2020 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:11:44 AM

Quant Time: Mar 02 17:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	185113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	337614	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	301609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	141126	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	103606	52.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.06%	
35) Dibromofluoromethane	7.74	113	97054	50.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.19	98	397404	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.49	95	142913	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	90628	50.225	ug/l	99
3) Chloromethane	2.12	50	118812	48.954	ug/l	99
4) Vinyl Chloride	2.26	62	115206	47.062	ug/l	100
5) Bromomethane	2.66	94	73840	48.263	ug/l	99
6) Chloroethane	2.80	64	71568	47.443	ug/l	100
7) Trichlorofluoromethane	3.14	101	159894	51.034	ug/l	99
8) Diethyl Ether	3.54	74	65847	53.312	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	101323	51.452	ug/l	99
10) Methyl Iodide	4.11	142	115268	47.827	ug/l	99
11) Tert butyl alcohol	4.97	59	56952	246.546	ug/l	98
12) 1,1-Dichloroethene	3.89	96	101613	50.591	ug/l	98
13) Acrolein	3.75	56	55030	273.649	ug/l	99
14) Allyl chloride	4.50	41	184961	51.743	ug/l	99
15) Acrylonitrile	5.19	53	177319	280.085	ug/l	100
16) Acetone	3.97	43	153045	222.138	ug/l	99
17) Carbon Disulfide	4.21	76	304121	45.354	ug/l	99
18) Methyl Acetate	4.50	43	82197	54.784	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	300449	53.727	ug/l	97
20) Methylene Chloride	4.74	84	125483	51.276	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	115583	50.438	ug/l	97
22) Diisopropyl ether	6.14	45	390171	53.151	ug/l	99
23) Vinyl Acetate	6.08	43	1281811	267.694	ug/l	99
24) 1,1-Dichloroethane	6.04	63	208207	53.067	ug/l	98
25) 2-Butanone	7.00	43	234251	250.287	ug/l	100
26) 2,2-Dichloropropane	7.00	77	172524	50.541	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	131058	51.813	ug/l	100
28) Bromochloromethane	7.35	49	90627	55.450	ug/l	98
29) Tetrahydrofuran	7.36	42	151815	268.369	ug/l	100
30) Chloroform	7.52	83	199853	52.131	ug/l	100
31) Cyclohexane	7.80	56	199323	47.648	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	165785	51.453	ug/l	99
36) 1,1-Dichloropropene	7.93	75	160929	49.902	ug/l	99
37) Ethyl Acetate	7.09	43	101414	52.689	ug/l	100
38) Carbon Tetrachloride	7.91	117	140972	49.768	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030220\
 Data File : VY001823.D
 Acq On : 02 Mar 2020 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:11:44 AM

Quant Time: Mar 02 17:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207404	48.478	ug/l	98
40) Benzene	8.17	78	488800	51.537	ug/l	100
41) Methacrylonitrile	7.33	41	55185m	57.101	ug/l	
42) 1,2-Dichloroethane	8.25	62	131570	50.920	ug/l	100
43) Isopropyl Acetate	8.28	43	193832	53.076	ug/l	99
44) Trichloroethene	8.95	130	118929	50.231	ug/l	100
45) 1,2-Dichloropropane	9.22	63	126305	53.174	ug/l	100
46) Dibromomethane	9.31	93	65491	52.715	ug/l	98
47) Bromodichloromethane	9.50	83	155710	51.931	ug/l	99
48) Methyl methacrylate	9.30	41	85880	51.997	ug/l	98
49) 1,4-Dioxane	9.31	88	18126	1032.984	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	499057	265.972	ug/l	100
52) Toluene	10.25	92	299838	50.681	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	170752	51.512	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	199094	52.186	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	97748	53.358	ug/l	100
56) Ethyl methacrylate	10.52	69	148574	54.062	ug/l	99
57) 1,3-Dichloropropane	10.80	76	174401	53.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	239629	230.350	ug/l	100
59) 2-Hexanone	10.84	43	358186	254.420	ug/l	99
60) Dibromochloromethane	10.99	129	104974	51.975	ug/l	99
61) 1,2-Dibromoethane	11.10	107	92292	53.282	ug/l	99
64) Tetrachloroethene	10.72	164	93735	49.507	ug/l	99
65) Chlorobenzene	11.52	112	311661	51.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	106088	52.227	ug/l	100
67) Ethyl Benzene	11.59	91	578957	51.810	ug/l	100
68) m/p-Xylenes	11.70	106	429249	102.833	ug/l	100
69) o-Xylene	12.03	106	206805	52.113	ug/l	98
70) Styrene	12.05	104	360638	52.290	ug/l	99
71) Bromoform	12.21	173	60814	52.388	ug/l #	100
73) Isopropylbenzene	12.33	105	550056	51.162	ug/l	100
74) N-amyl acetate	12.15	43	180059	52.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	125080	54.487	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	84308m	52.077	ug/l	
77) Bromobenzene	12.61	156	119314	51.193	ug/l	98
78) n-propylbenzene	12.67	91	680665	51.983	ug/l	100
79) 2-Chlorotoluene	12.76	91	381224	51.909	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	461993	51.911	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	44698	52.381	ug/l	97
82) 4-Chlorotoluene	12.86	91	399071	51.522	ug/l	99
83) tert-Butylbenzene	13.08	119	394449	52.993	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	462311	52.105	ug/l	100
85) sec-Butylbenzene	13.26	105	565416	51.649	ug/l	100
86) p-Isopropyltoluene	13.38	119	490299	51.555	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	231036	51.113	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	232610	50.909	ug/l	100
89) n-Butylbenzene	13.70	91	505387	52.007	ug/l	99
90) Hexachloroethane	13.97	117	91626	51.136	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	213926	51.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18981	50.101	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030220\
Data File : VY001823.D
Acq On : 02 Mar 2020 17:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM

Quant Time: Mar 02 17:58:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	136315	49.313	ug/l	99
94) Hexachlorobutadiene	15.12	225	64704	47.066	ug/l	99
95) Naphthalene	15.25	128	336880	52.855	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	122206	50.250	ug/l	99

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

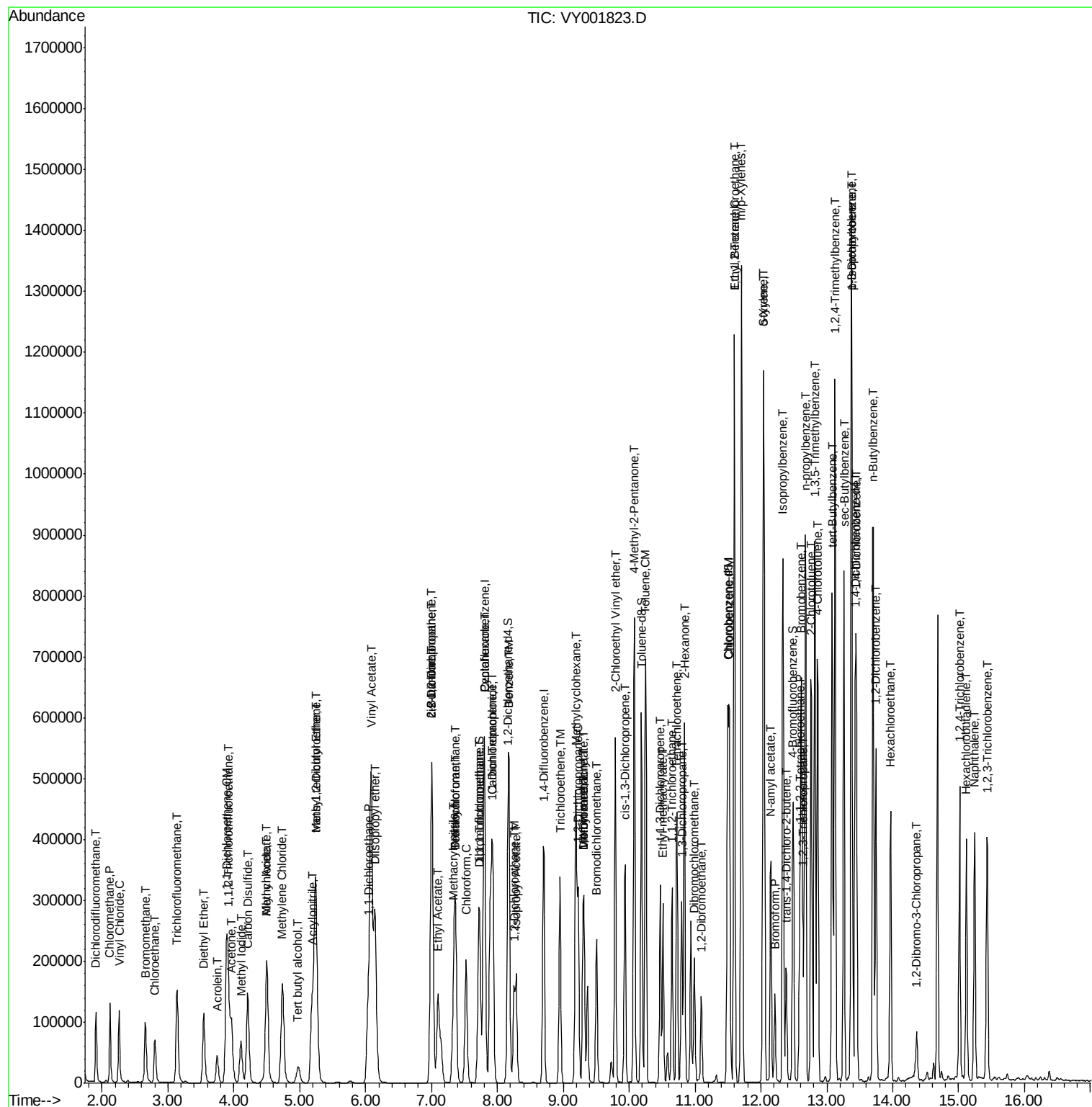
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030220\
Data File : VY001823.D
Acq On : 02 Mar 2020 17:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

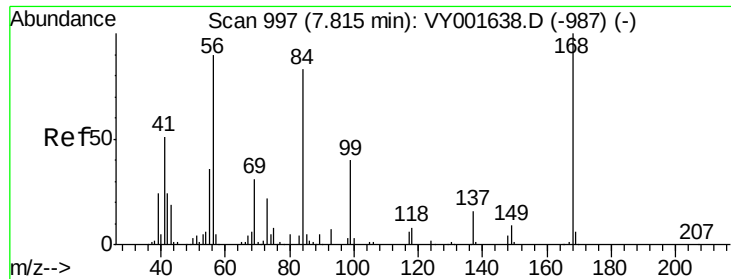
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM

Quant Time: Mar 02 17:58:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 185113

Ion Ratio Lower Upper

168 100

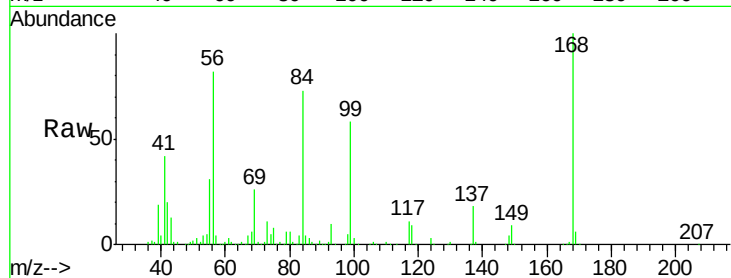
99 58.3 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:11:44 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

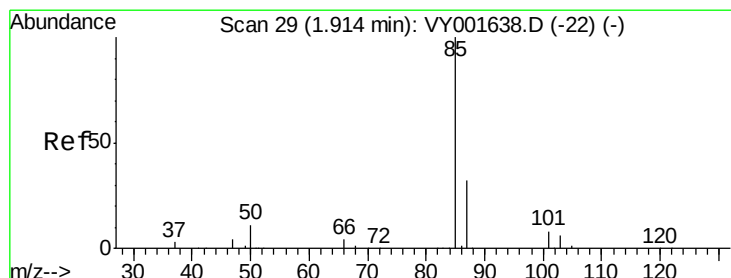
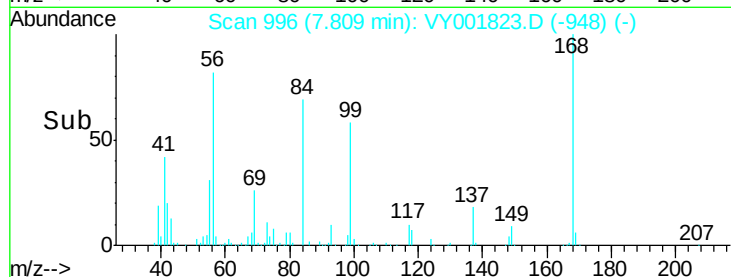
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.225 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001823.D

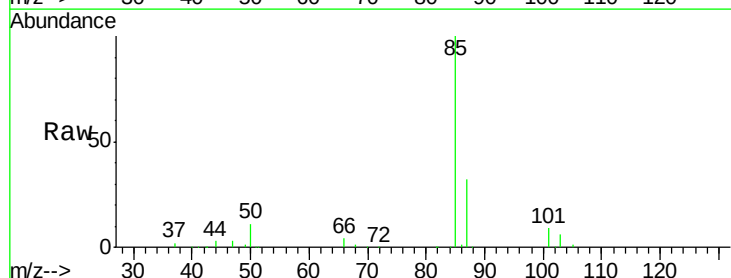
Acq: 02 Mar 2020 17:04

Tgt Ion: 85 Resp: 90628

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

60000

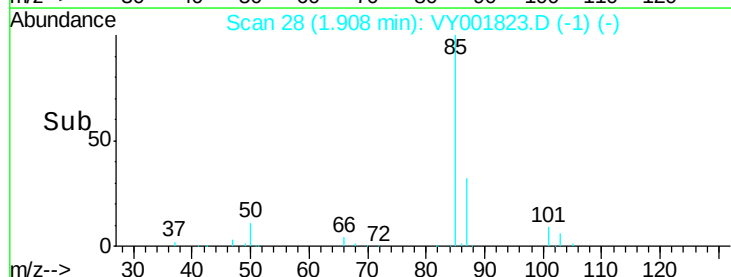
40000

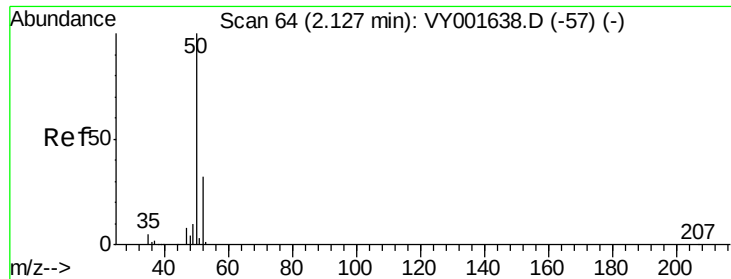
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.954 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 118812

Ion Ratio Lower Upper

50 100

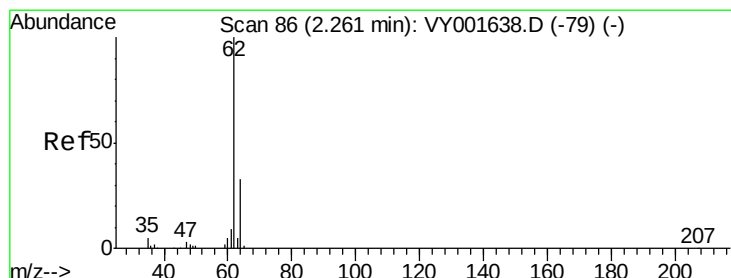
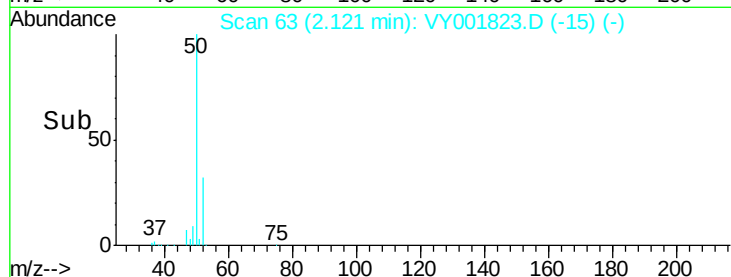
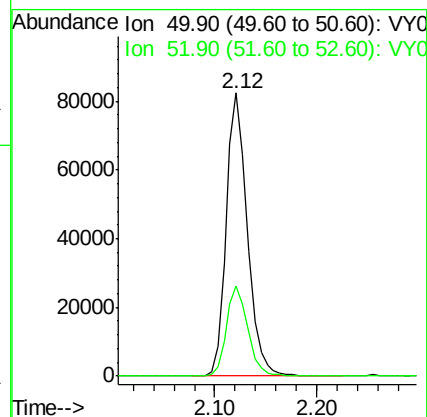
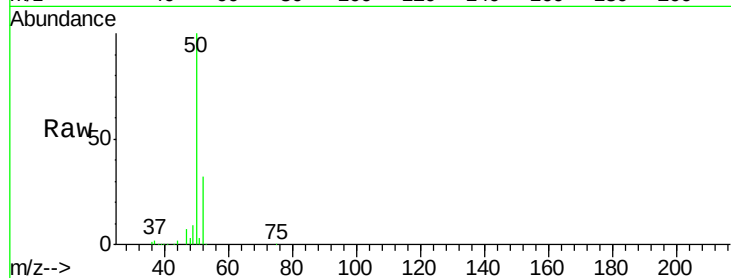
52 31.8 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:11:44 AM



#4

Vinyl Chloride

Concen: 47.062 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001823.D

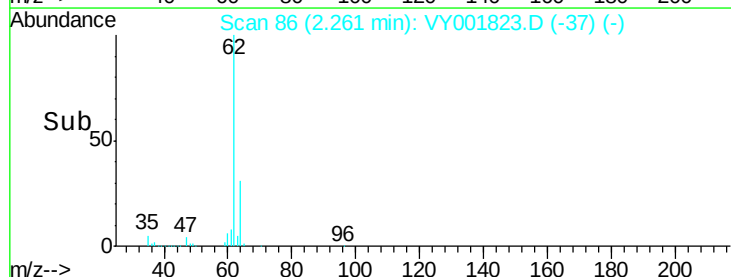
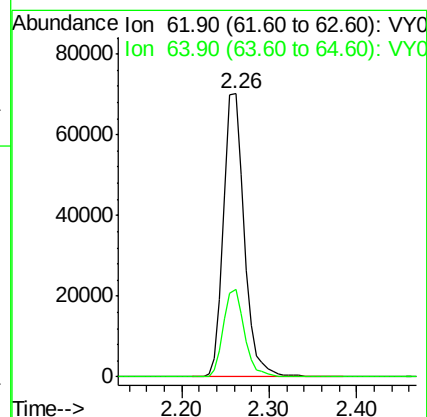
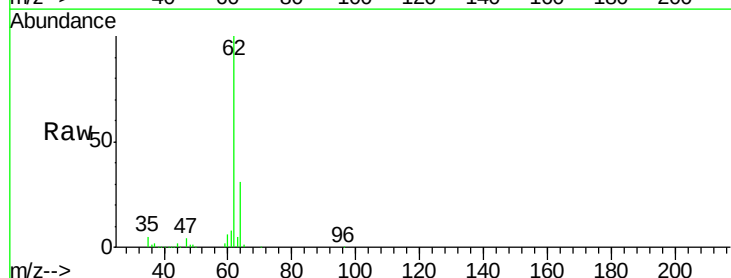
Acq: 02 Mar 2020 17:04

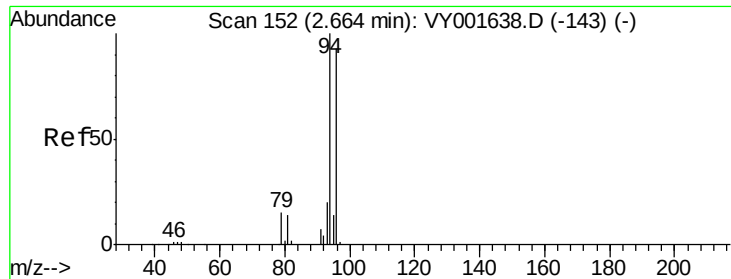
Tgt Ion: 62 Resp: 115206

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 48.263 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73840

Ion Ratio Lower Upper

94 100

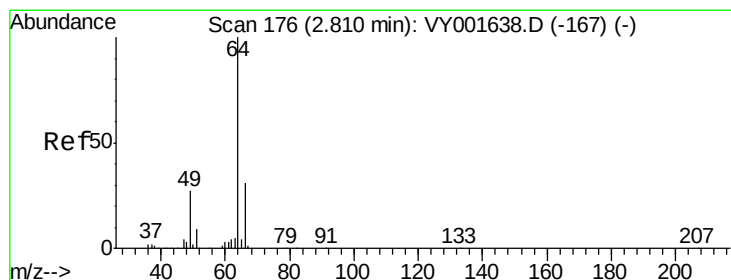
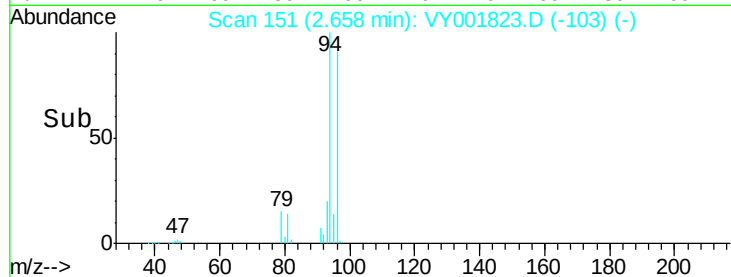
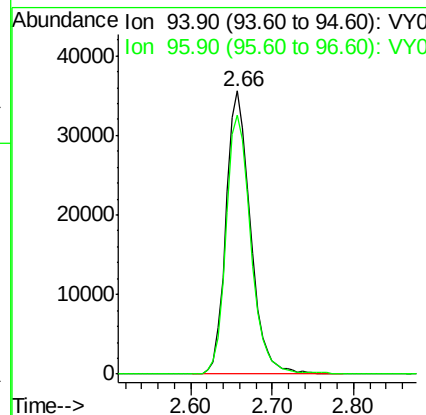
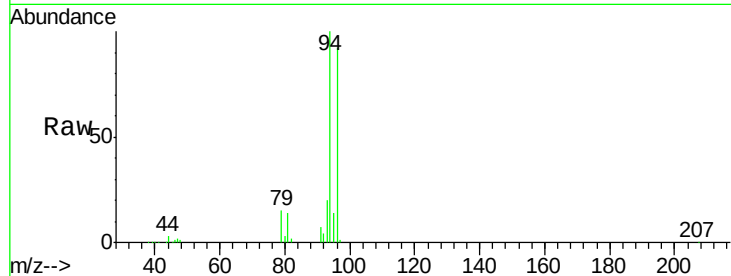
96 91.6 73.7 110.5

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:11:44 AM



#6

Chloroethane

Concen: 47.443 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001823.D

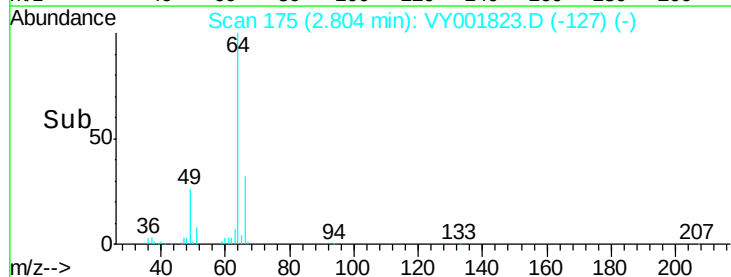
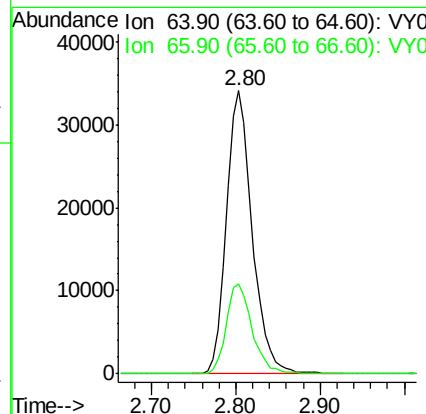
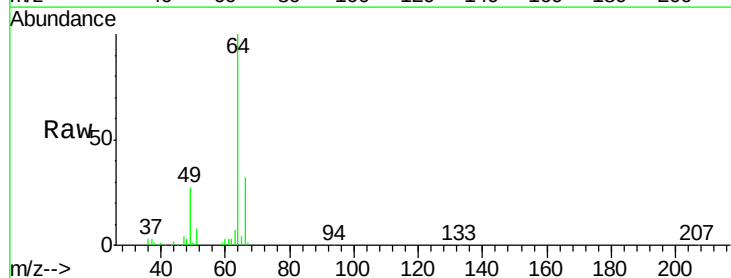
Acq: 02 Mar 2020 17:04

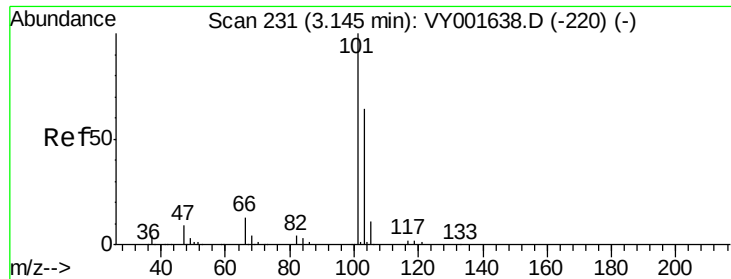
Tgt Ion: 64 Resp: 71568

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

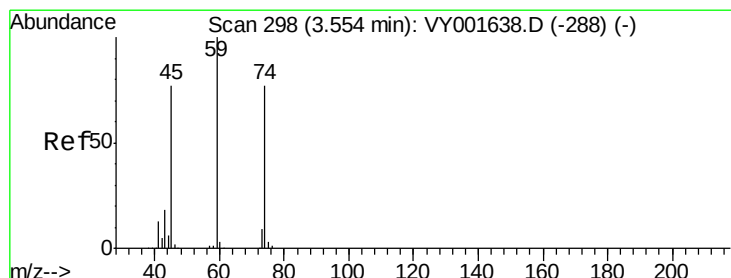
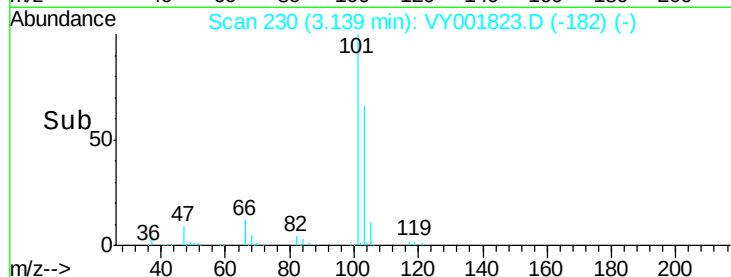
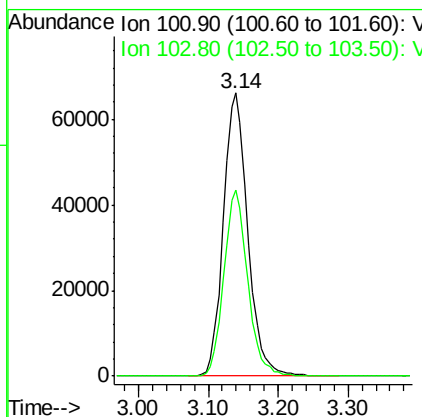
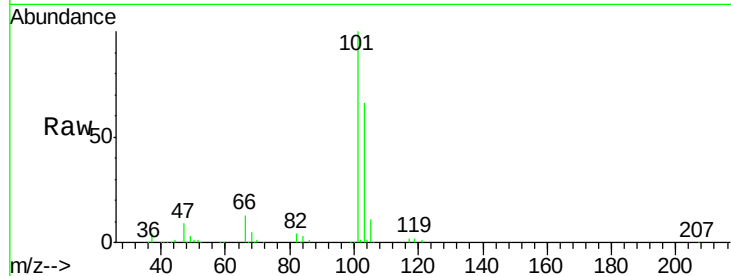
Trichlorofluoromethane
Concen: 51.034 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.2	78.2

Manual Integrations
APPROVED

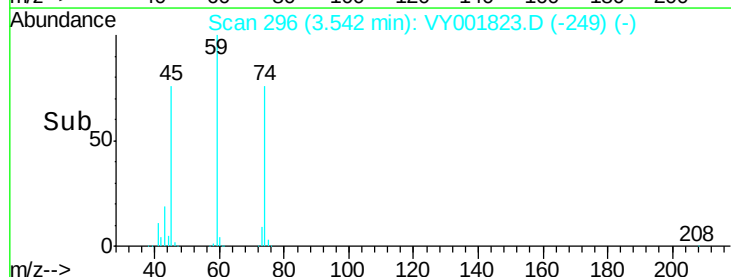
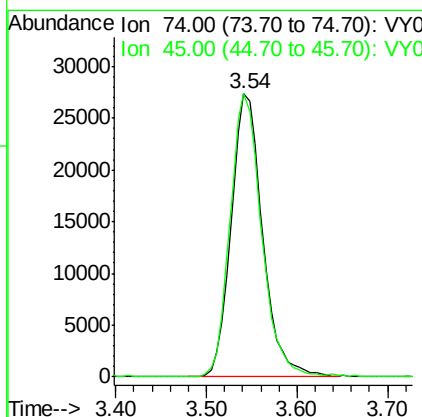
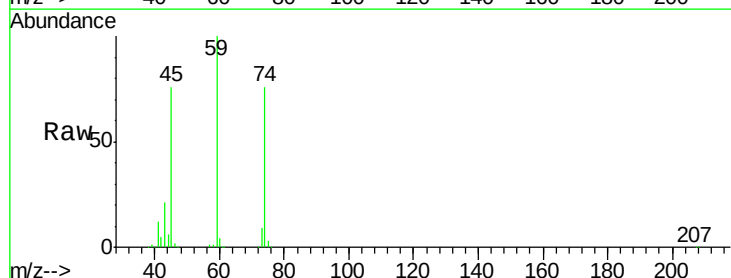
MMDadoda
3/3/2020 11:11:44 AM

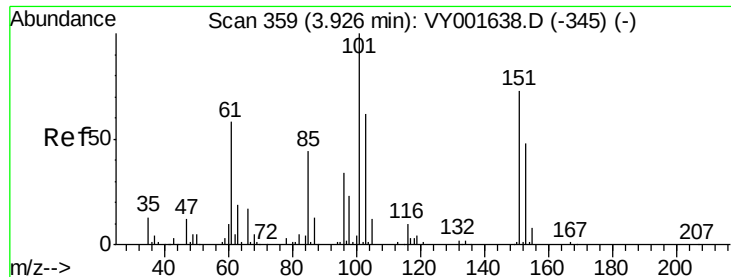


#8

Diethyl Ether
Concen: 53.312 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.452 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

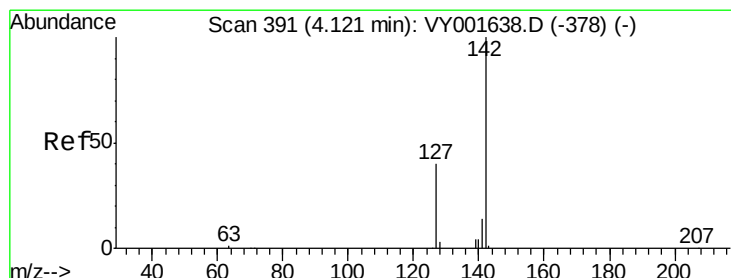
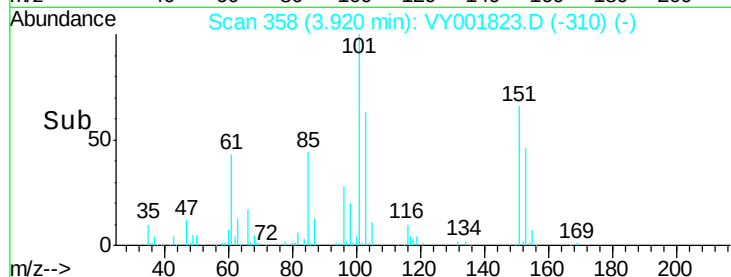
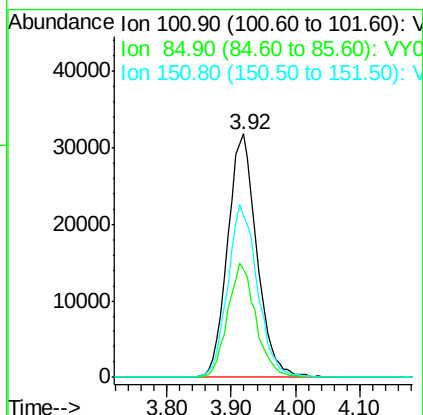
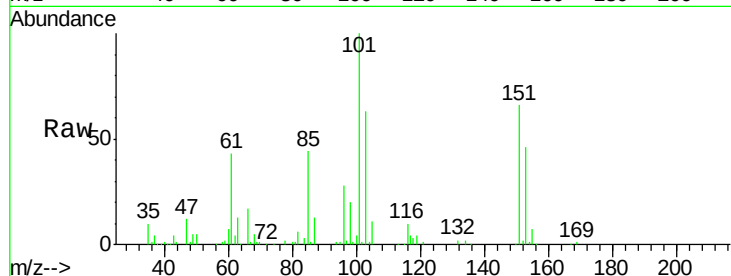
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	101323
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.1	52.7
151	72.1	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM



#10

Methyl Iodide

Concen: 47.827 ug/l

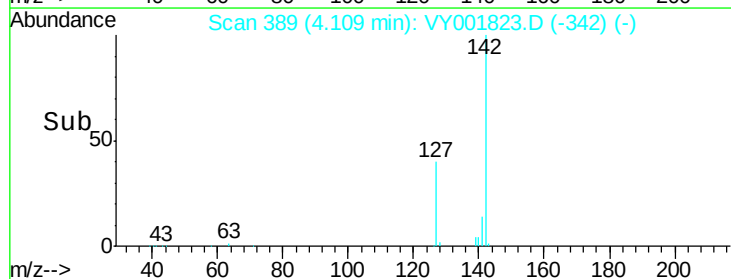
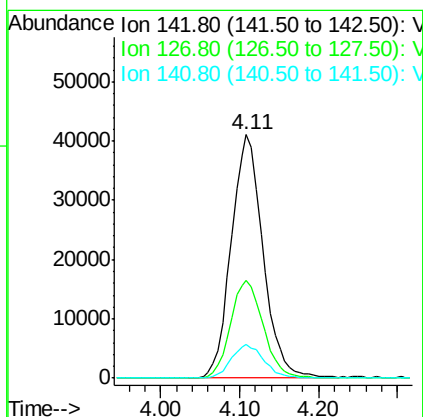
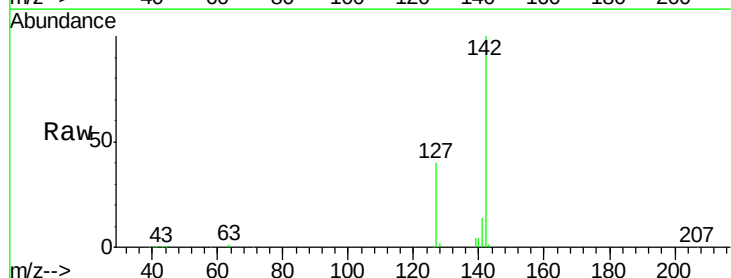
RT: 4.11 min Scan# 389

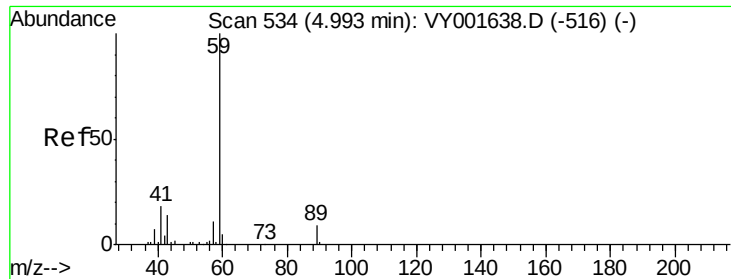
Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion:	142	Resp:	115268
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.1	48.1
141	14.1	11.3	16.9





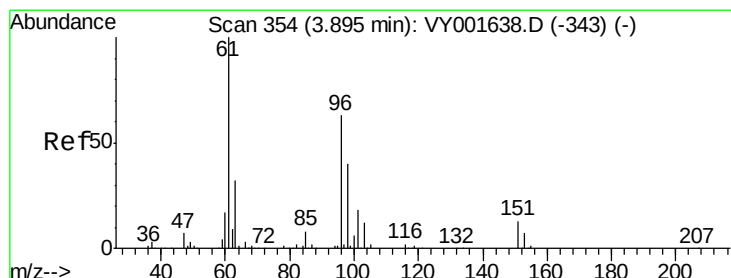
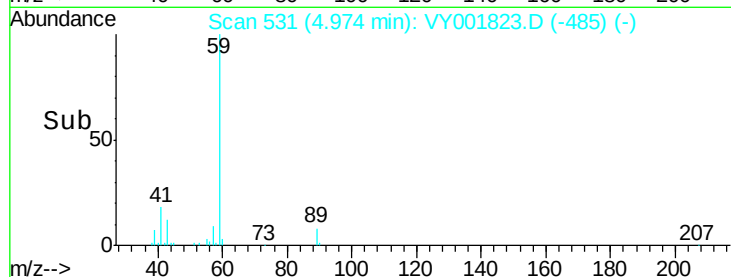
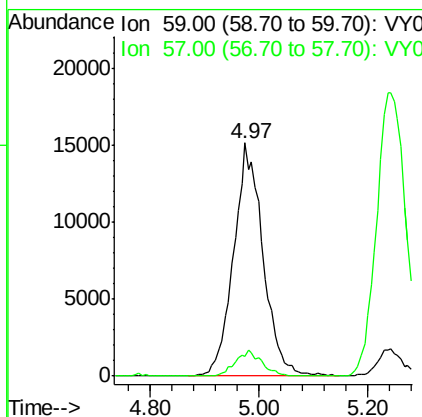
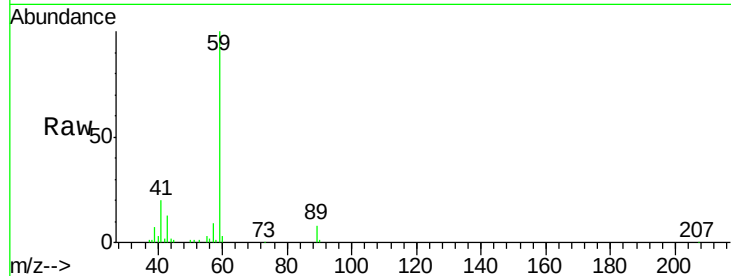
#11
Tert butyl alcohol
Concen: 246.546 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.4	11.2

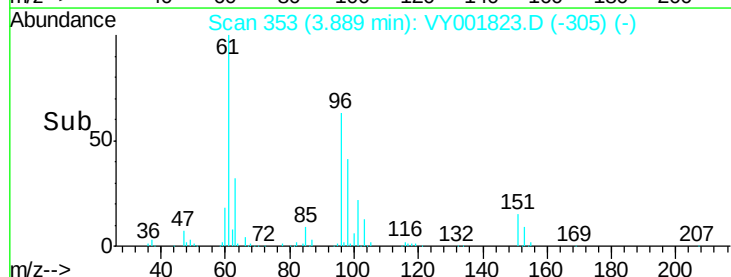
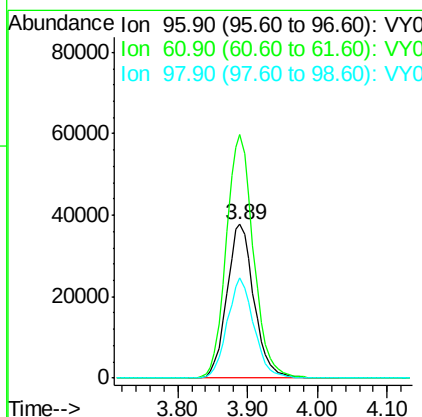
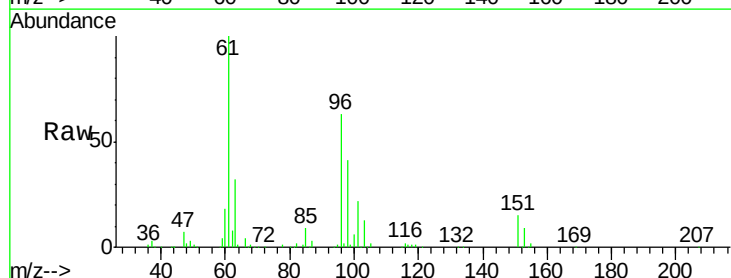
Manual Integrations
APPROVED

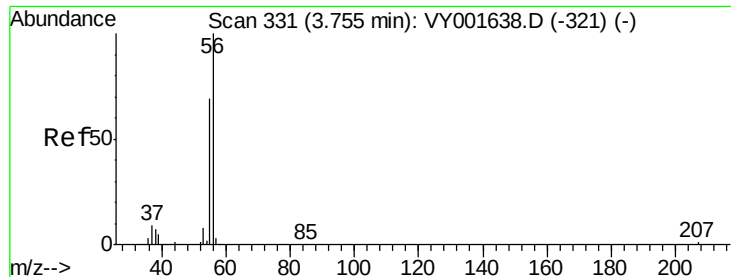
MMDadoda
3/3/2020 11:11:44 AM



#12
1,1-Dichloroethene
Concen: 50.591 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.7	193.1
98	65.1	50.7	76.1





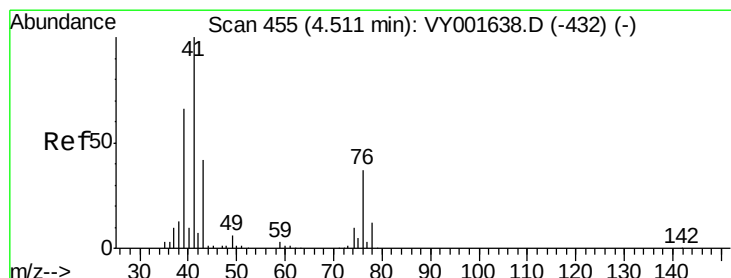
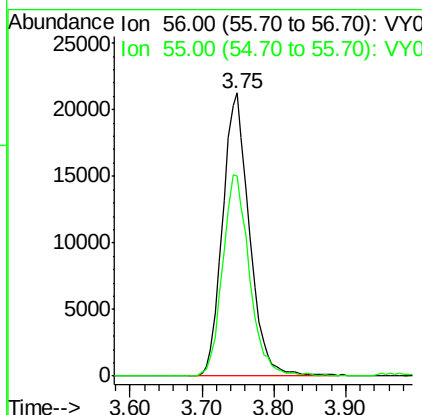
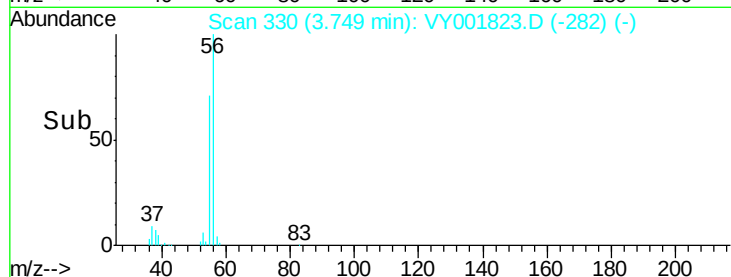
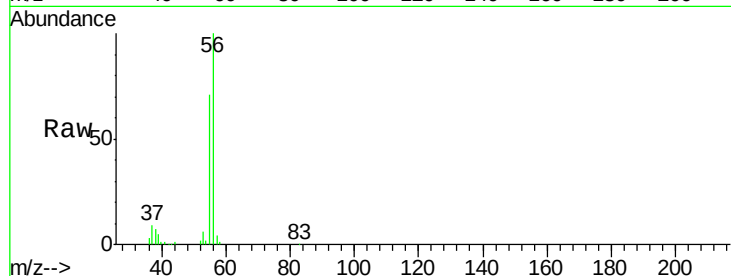
#13
 Acrolein
 Concen: 273.649 ug/l
 RT: 3.75 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.3	56.1	84.1

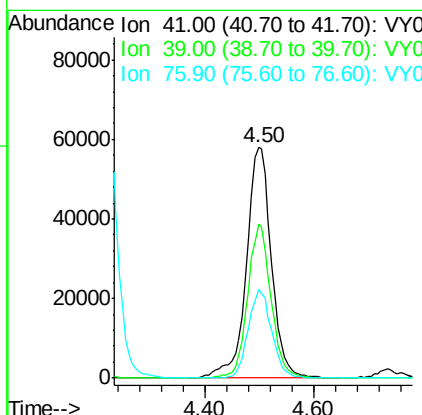
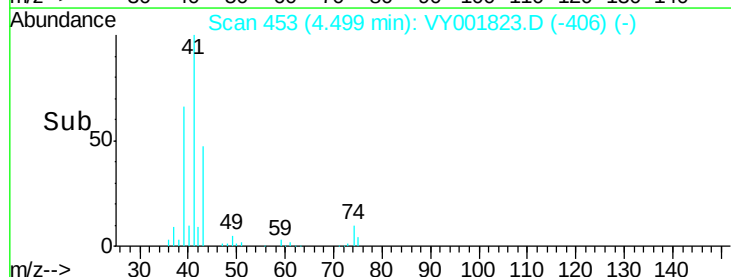
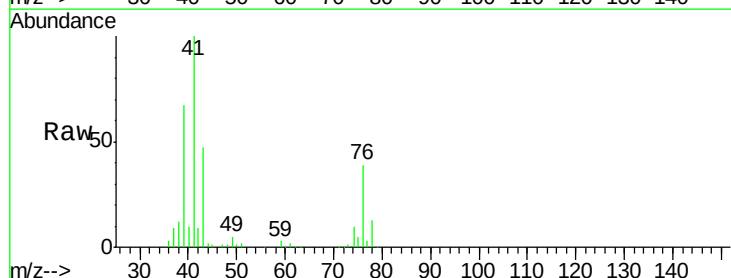
Manual Integrations
 APPROVED

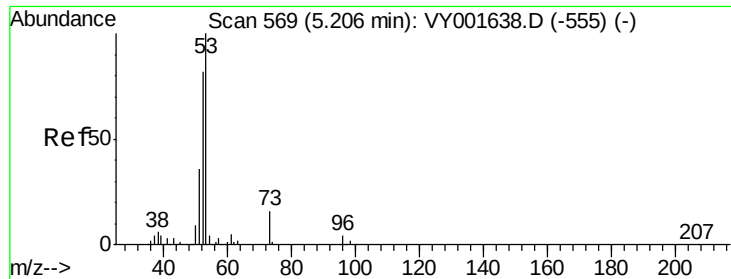
MMDadoda
 3/3/2020 11:11:44 AM



#14
 Allyl chloride
 Concen: 51.743 ug/l
 RT: 4.50 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	62.6	49.4	74.0
76	76	36.0	29.0	43.6





#15

Acrylonitrile

Concen: 280.085 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

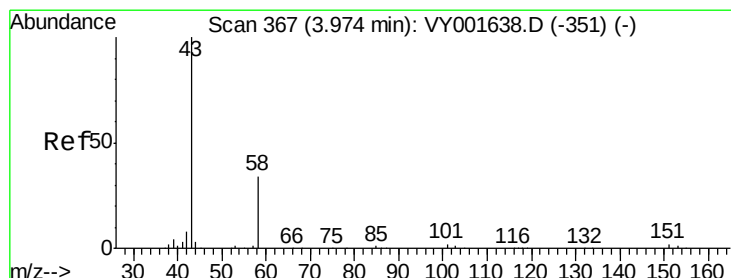
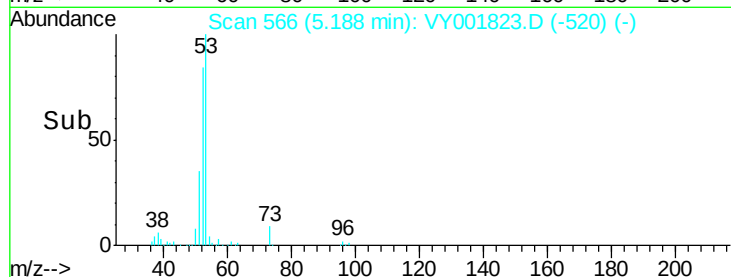
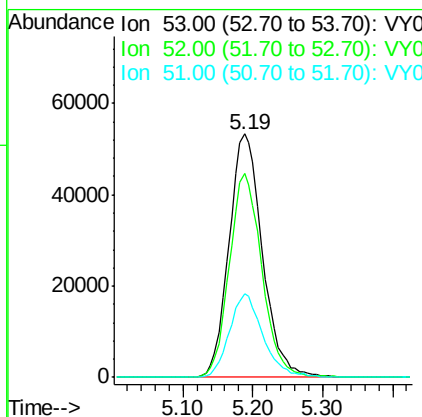
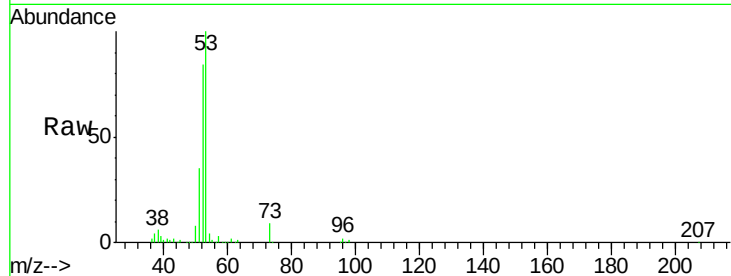
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	177319
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.4	98.0
51	34.6	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM



#16

Acetone

Concen: 222.138 ug/l

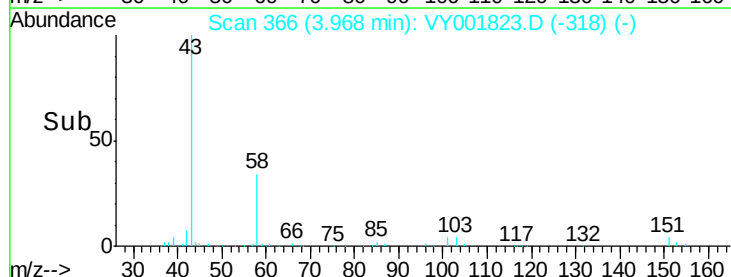
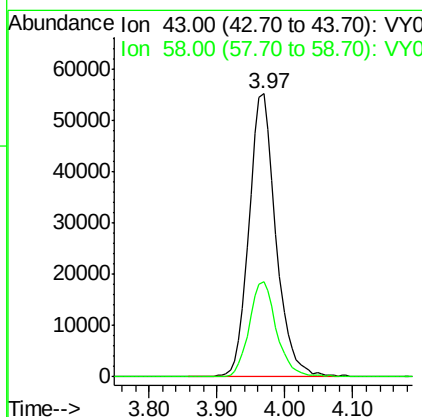
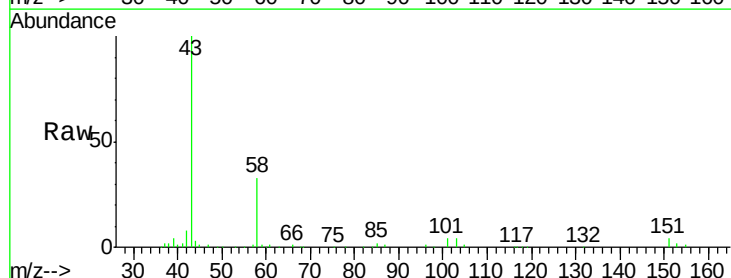
RT: 3.97 min Scan# 366

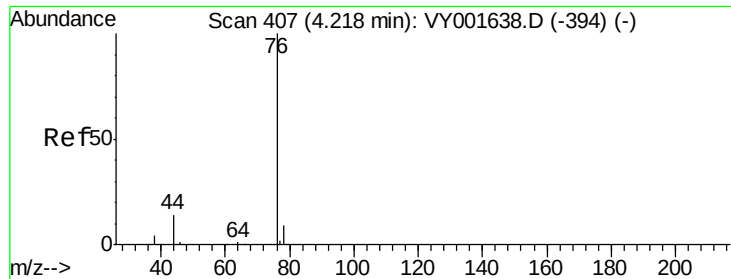
Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion:	43	Resp:	153045
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.3	40.9





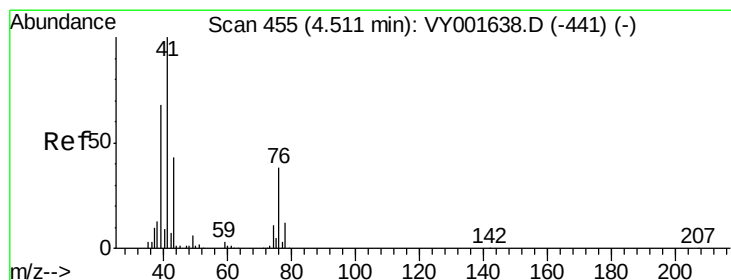
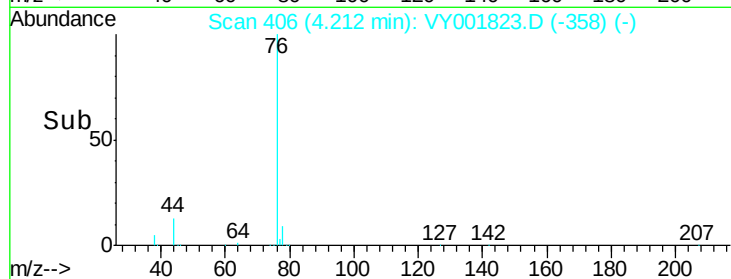
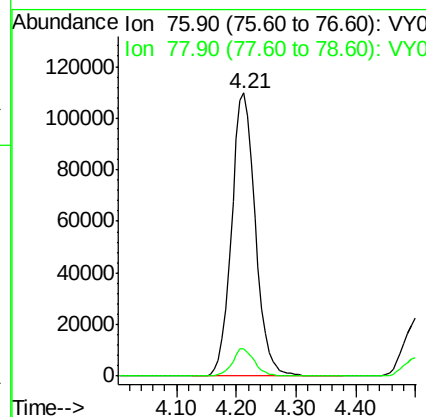
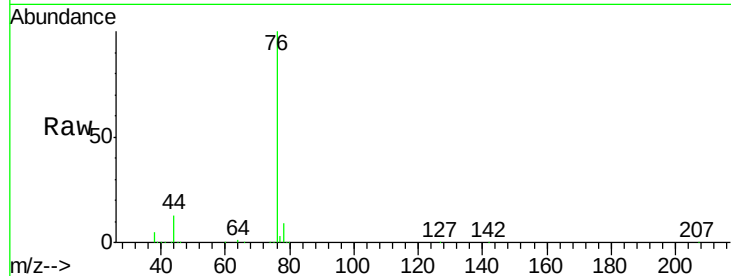
#17
Carbon Disulfide
Concen: 45.354 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

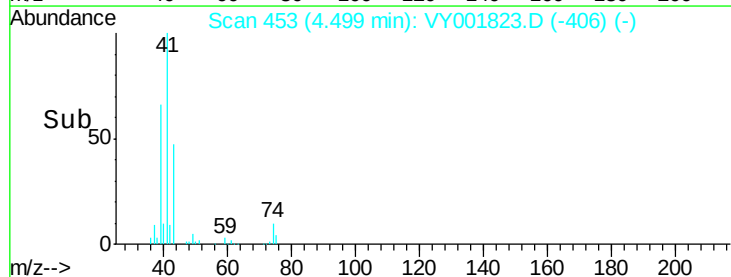
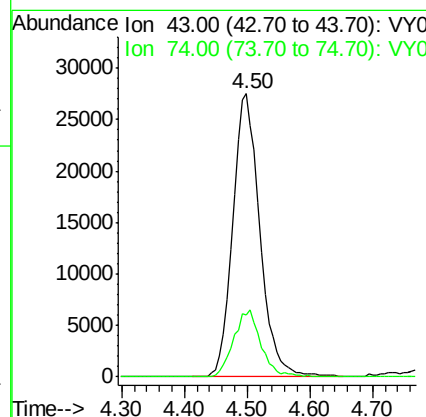
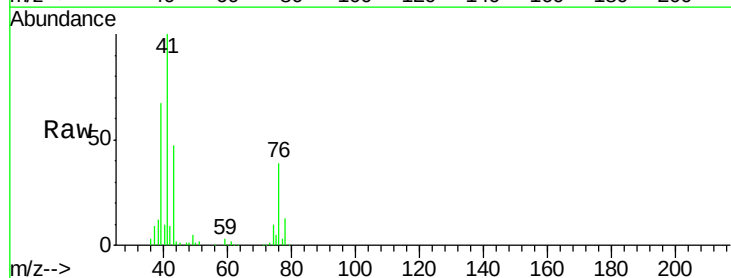
Manual Integrations
APPROVED

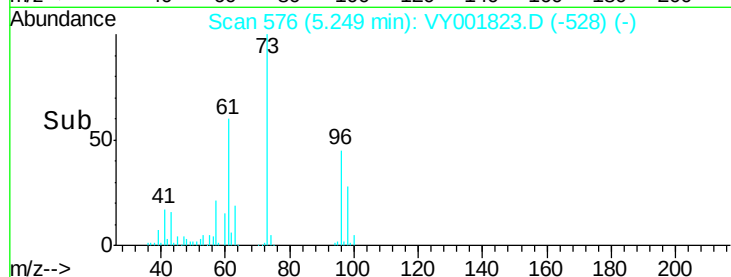
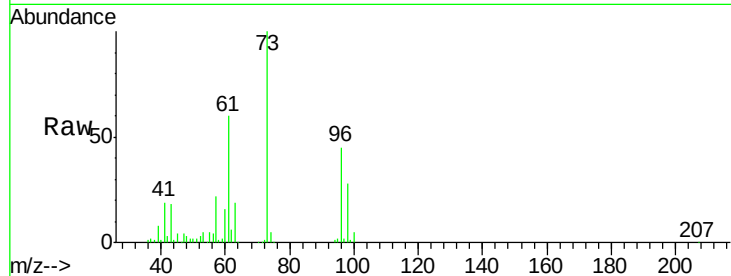
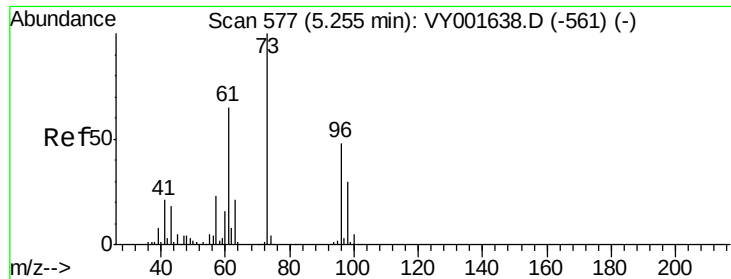
MMDadoda
3/3/2020 11:11:44 AM



#18
Methyl Acetate
Concen: 54.784 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





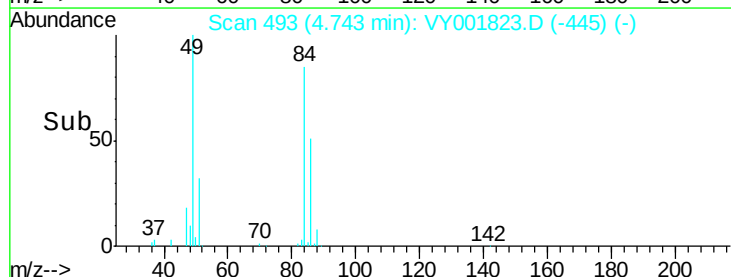
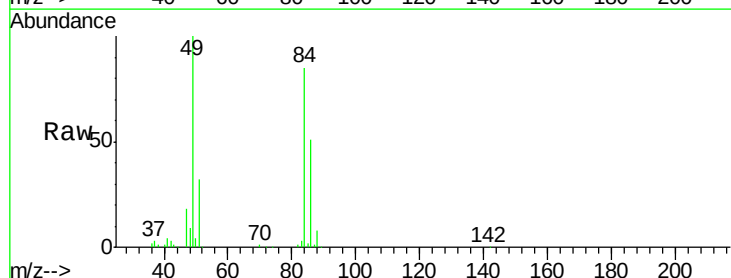
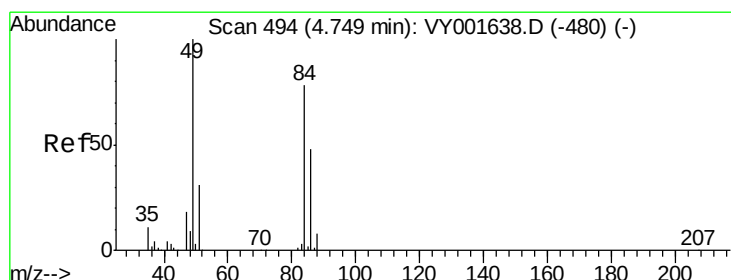
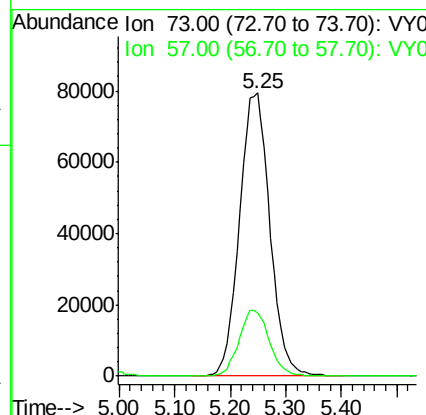
#19
Methyl tert-butyl Ether
Concen: 53.727 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tot Ion: 73 Resp: 300449
Ion Ratio Lower Upper
73 100
57 22.5 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

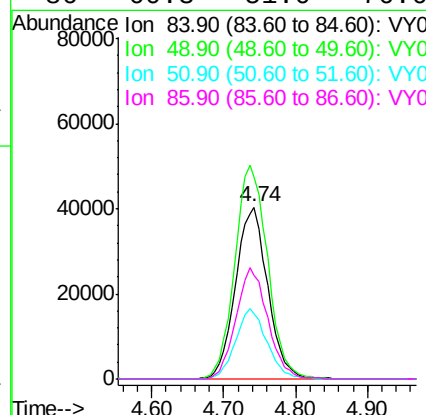
Manual Integrations
APPROVED

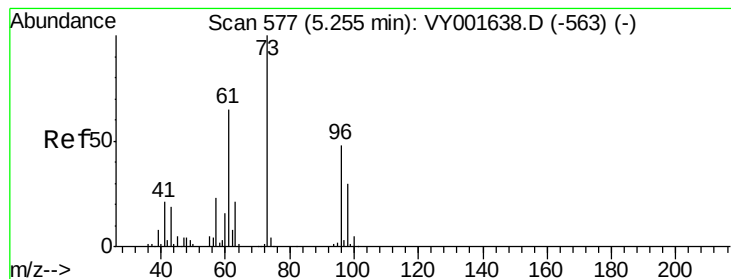
MMDadoda
3/3/2020 11:11:44 AM



#20
Methylene Chloride
Concen: 51.276 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 84 Resp: 125483
Ion Ratio Lower Upper
84 100
49 117.8 99.2 148.8
51 38.1 31.5 47.3
86 60.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.438 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 115583

Ion Ratio Lower Upper

96 100

61 138.7 107.9 161.9

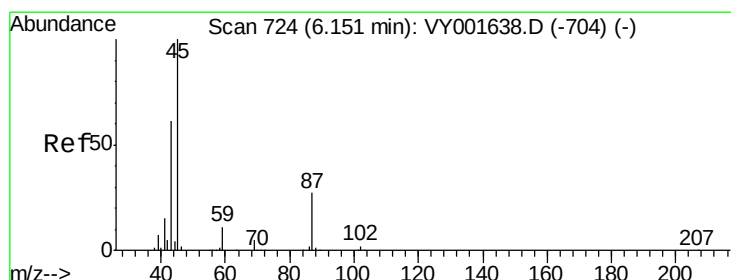
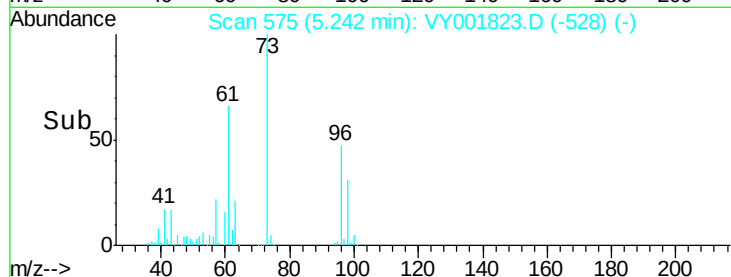
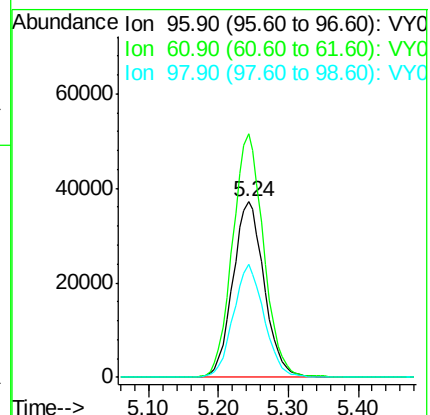
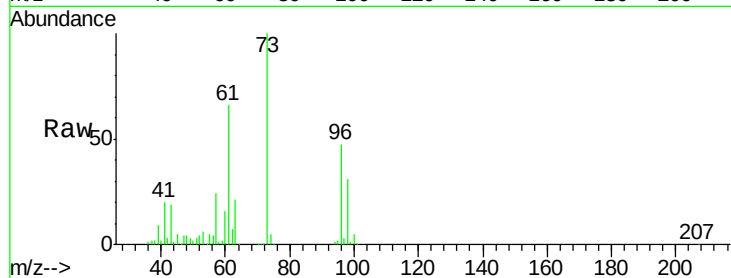
98 64.6 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:11:44 AM



#22

Diisopropyl ether

Concen: 53.151 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion: 45 Resp: 390171

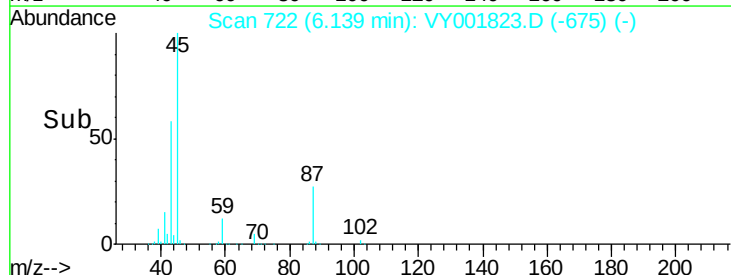
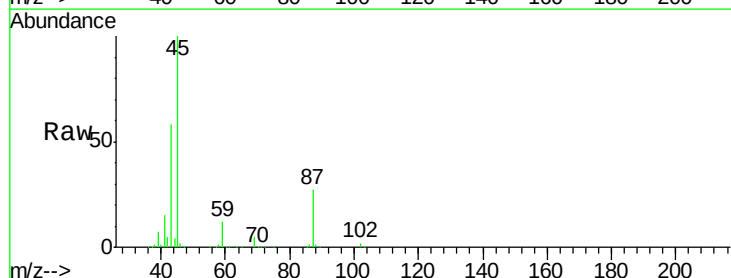
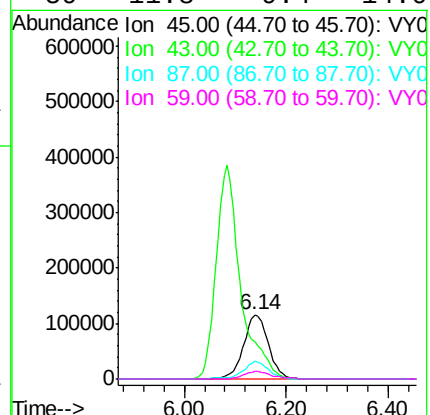
Ion Ratio Lower Upper

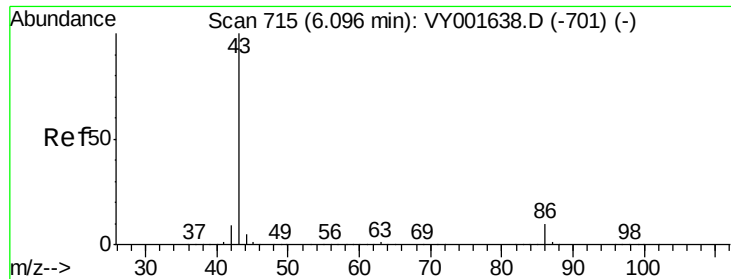
45 100

43 58.4 46.4 69.6

87 27.1 22.1 33.1

59 11.8 9.4 14.0





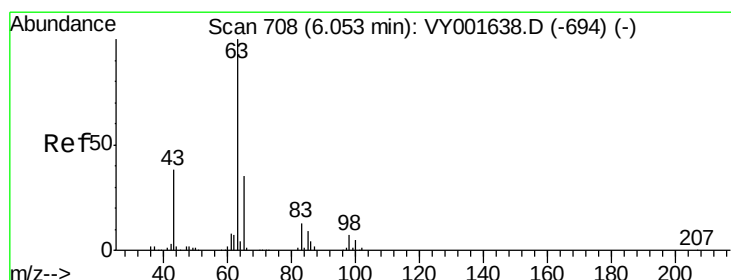
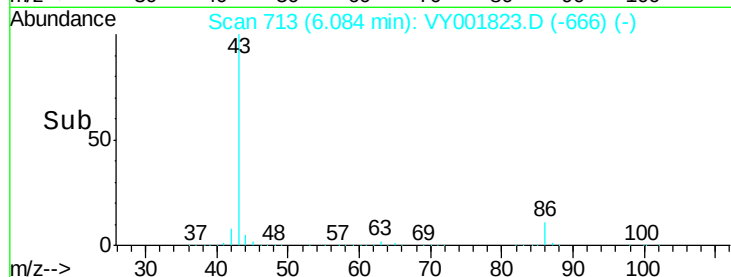
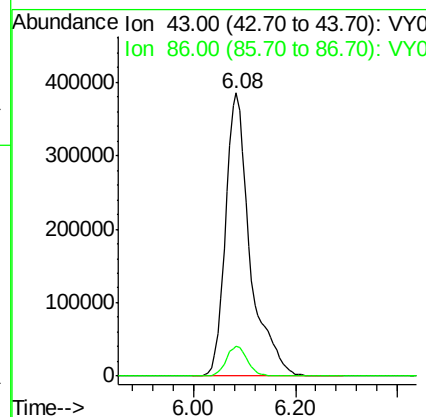
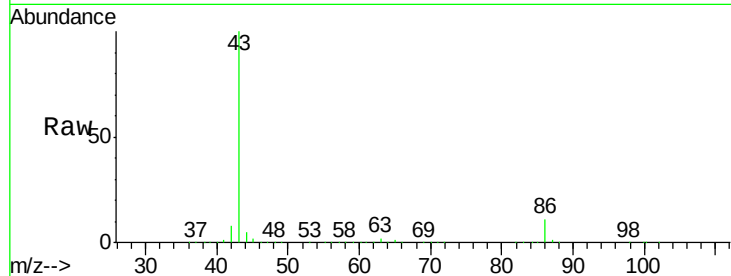
#23
 Vinyl Acetate
 Concen: 267.694 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1281811
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.8 13.2

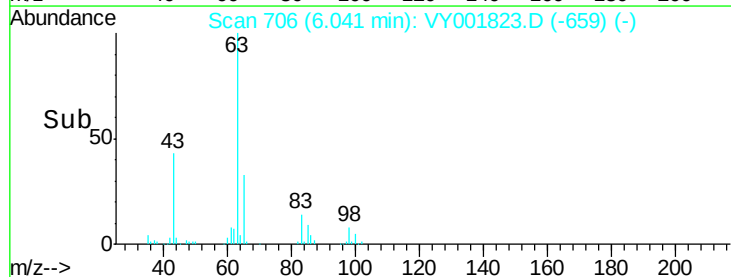
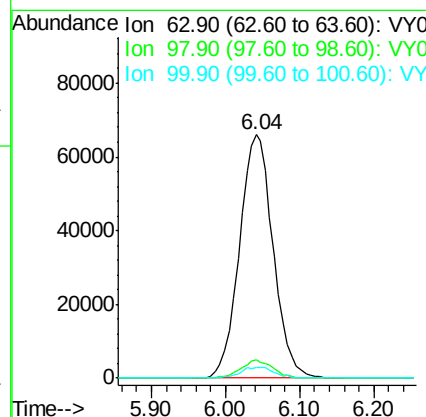
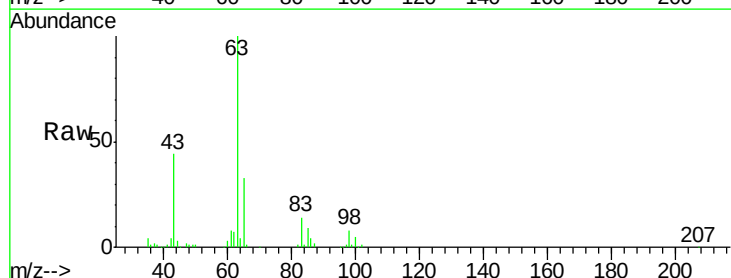
Manual Integrations
 APPROVED

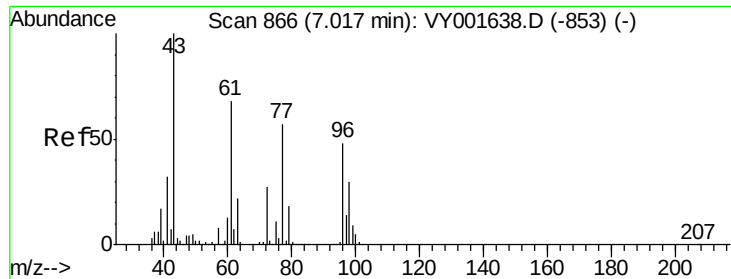
MMDadoda
 3/3/2020 11:11:44 AM



#24
 1,1-Dichloroethane
 Concen: 53.067 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 63 Resp: 208207
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.4 10.2
 100 4.5 2.3 6.9





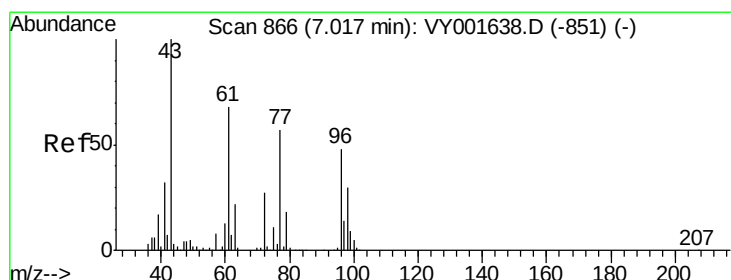
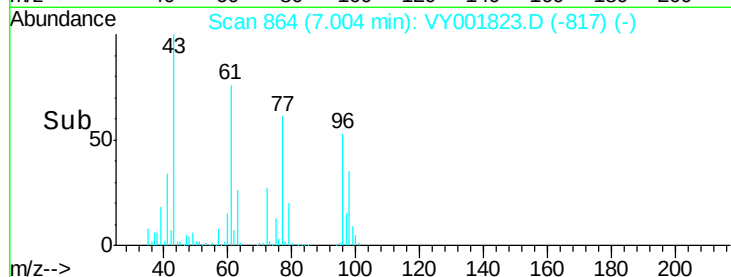
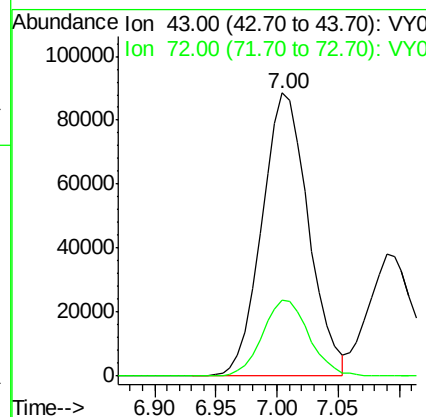
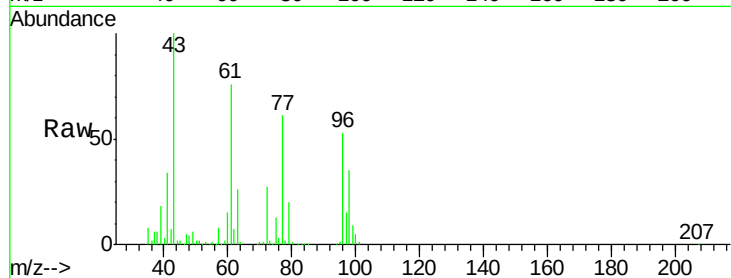
#25
2-Butanone
Concen: 250.287 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 234251
Ion Ratio Lower Upper
43 100
72 26.7 21.2 31.8

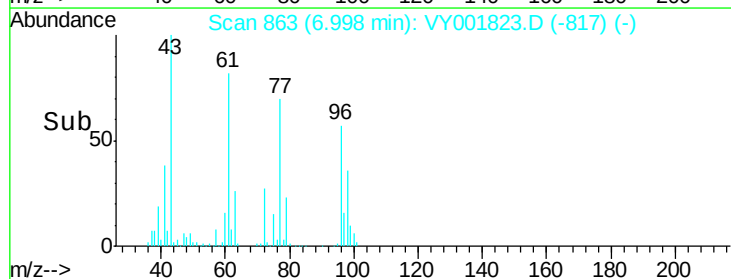
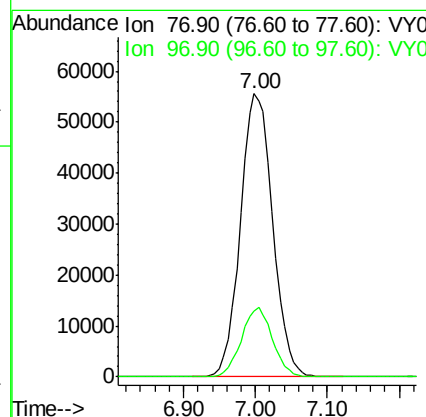
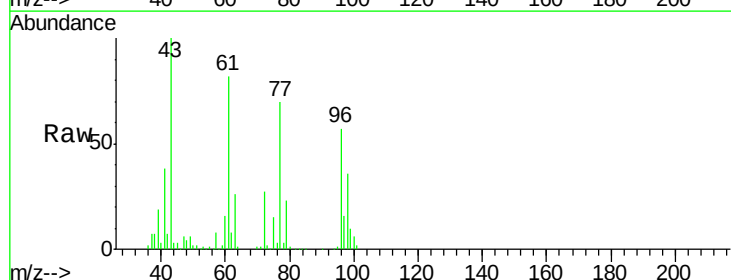
Manual Integrations
APPROVED

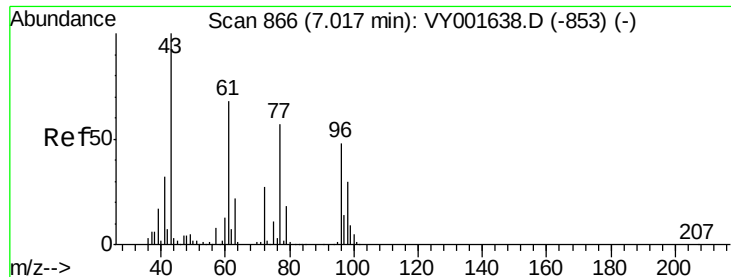
MMDadoda
3/3/2020 11:11:44 AM



#26
2,2-Dichloropropane
Concen: 50.541 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 77 Resp: 172524
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.4





#27

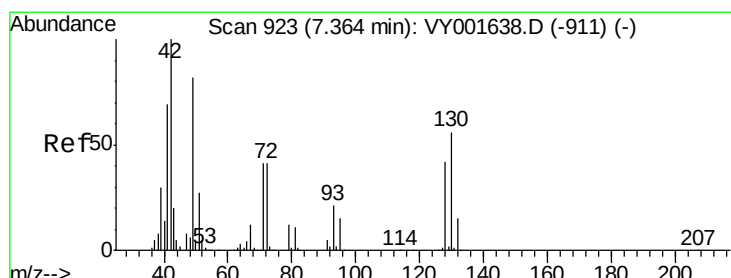
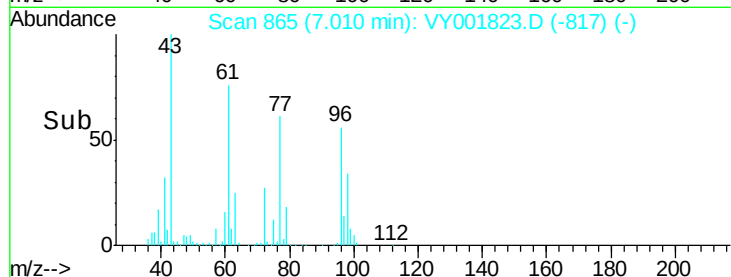
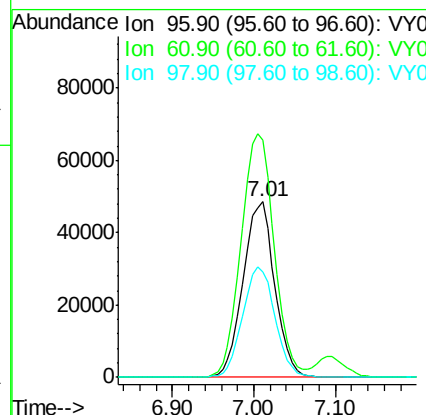
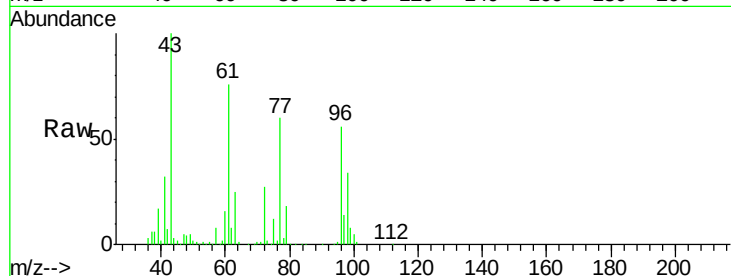
cis-1,2-Dichloroethene
Concen: 51.813 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	290.8
98	64.3	0.0	128.6

Manual Integrations
APPROVED

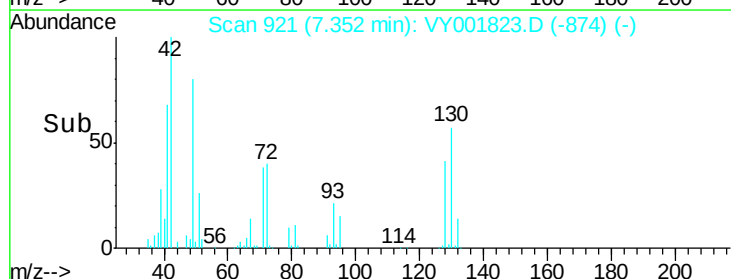
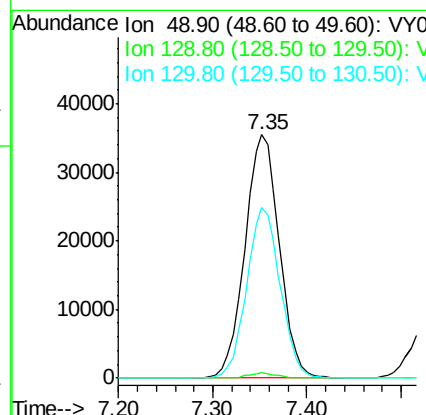
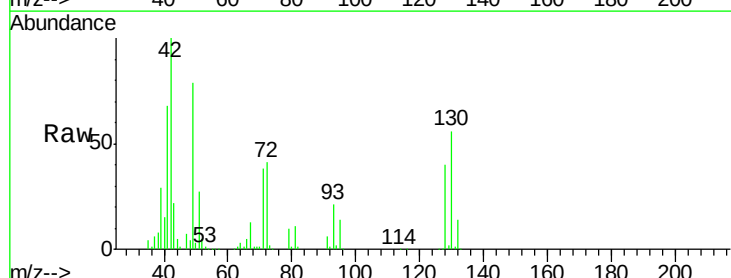
MMDadoda
3/3/2020 11:11:44 AM

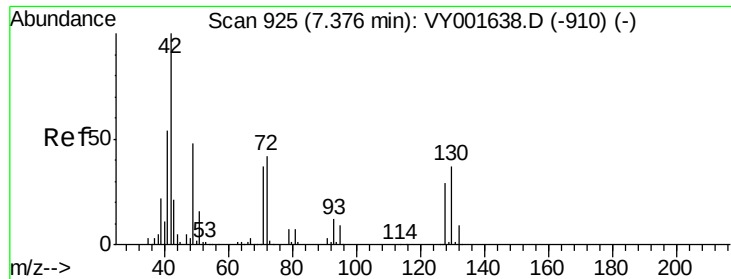


#28

Bromochloromethane
Concen: 55.450 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.4	56.2	84.4





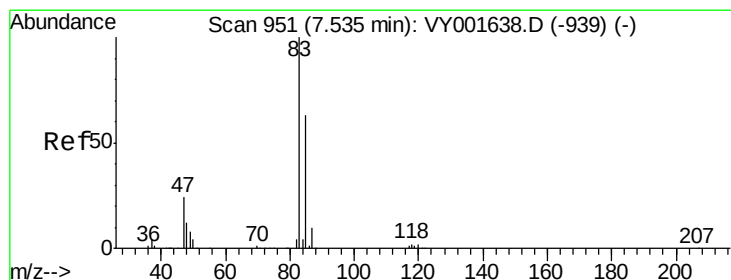
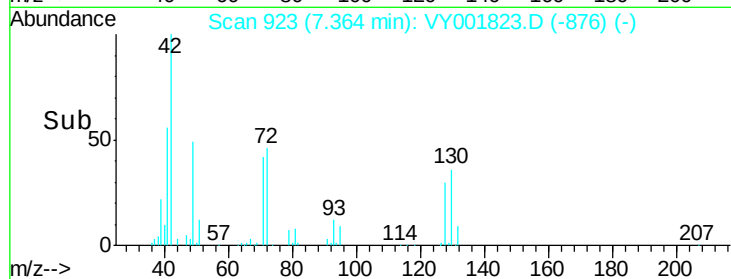
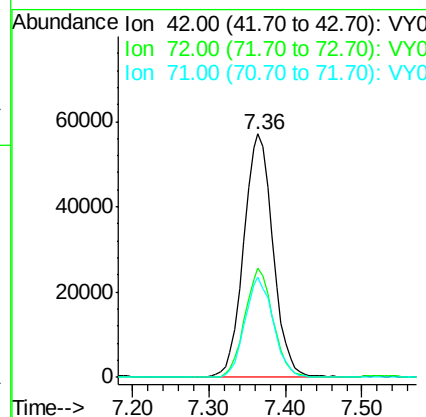
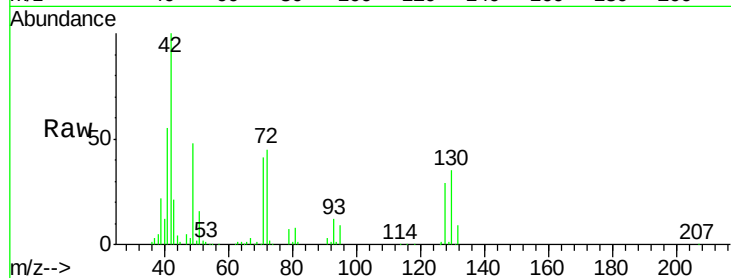
#29
Tetrahydrofuran
Concen: 268.369 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.4	51.6
71	39.9	31.8	47.8

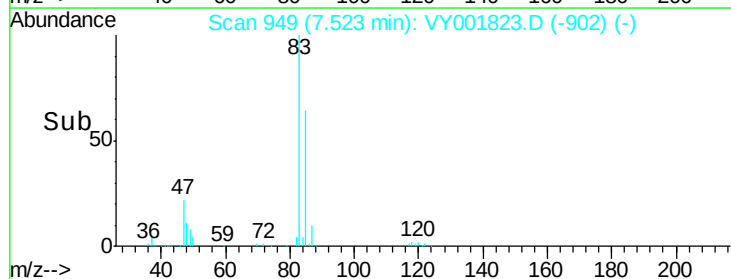
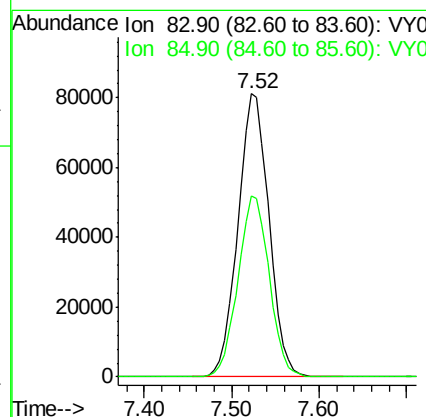
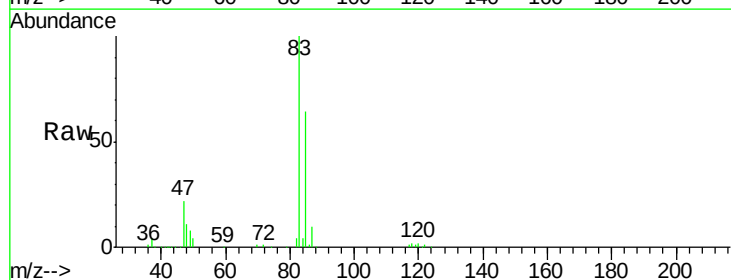
Manual Integrations
APPROVED

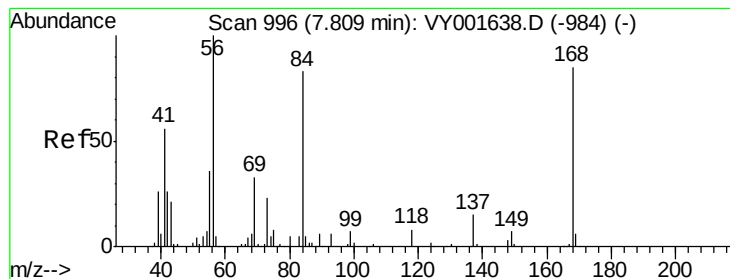
MMDadoda
3/3/2020 11:11:44 AM



#30
Chloroform
Concen: 52.131 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4





#31

Cyclohexane

Concen: 47.648 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 199323

Ion Ratio Lower Upper

56 100

69 33.2 25.1 37.7

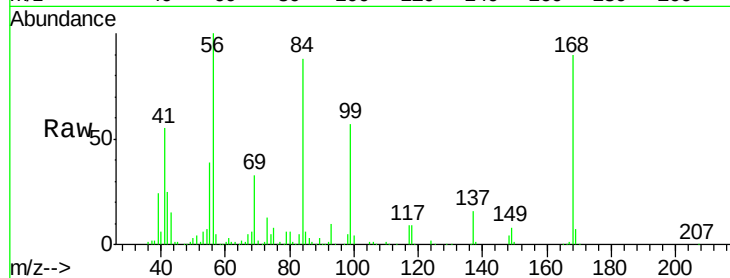
84 86.7 66.9 100.3

Manual Integrations

APPROVED

MMDadoda

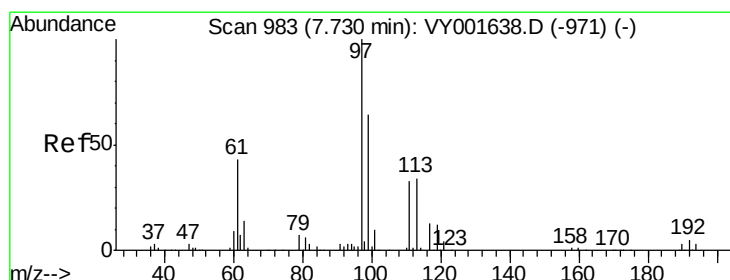
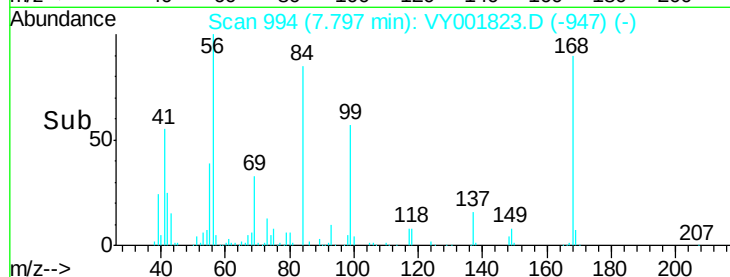
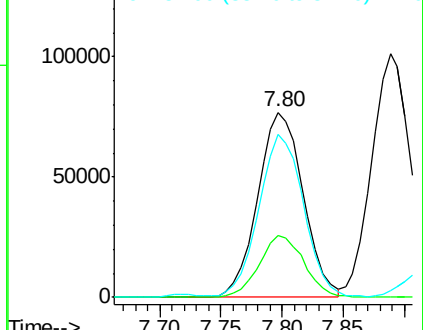
3/3/2020 11:11:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 51.453 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

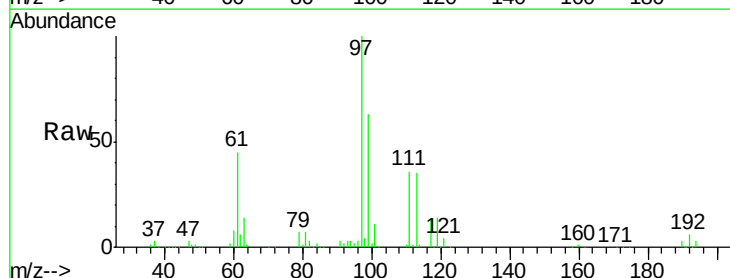
Tgt Ion: 97 Resp: 165785

Ion Ratio Lower Upper

97 100

99 63.5 51.2 76.8

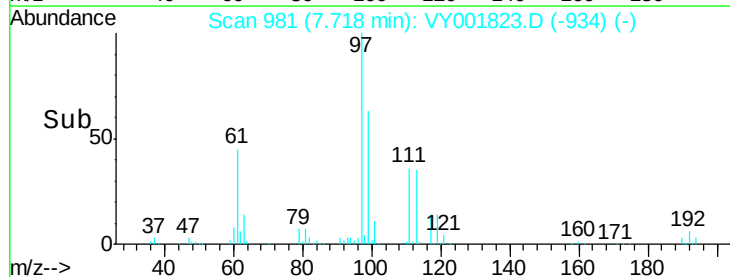
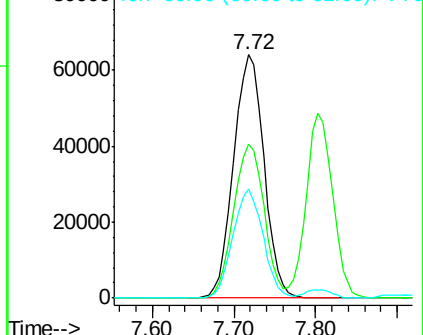
61 44.2 35.0 52.6

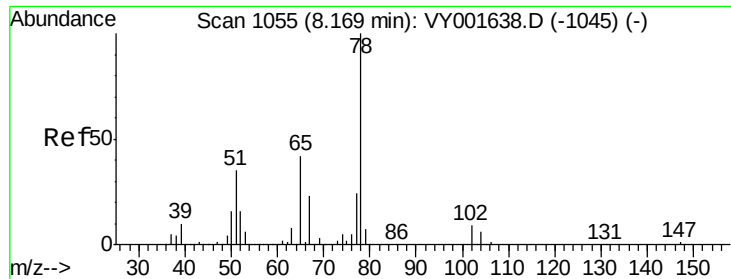


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





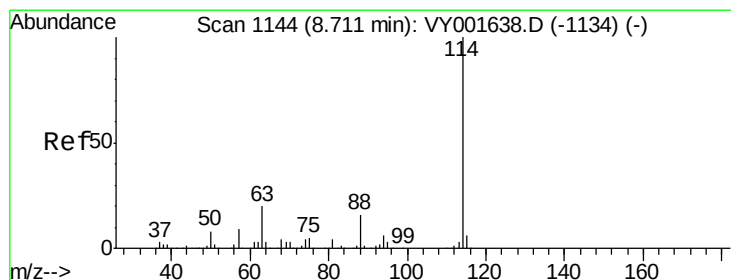
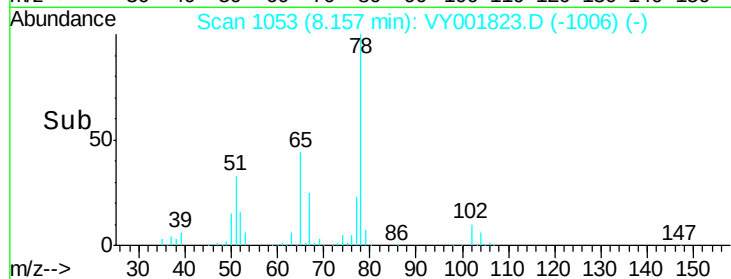
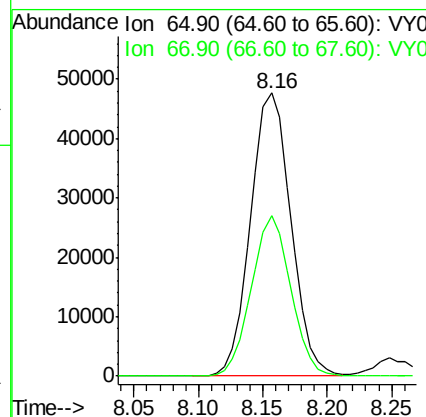
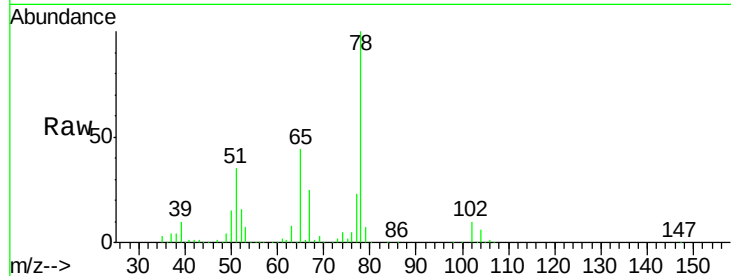
#33
 1,2-Dichloroethane-d4
 Concen: 52.033 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	111.0	

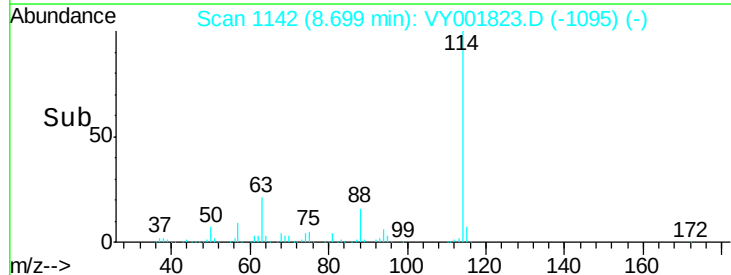
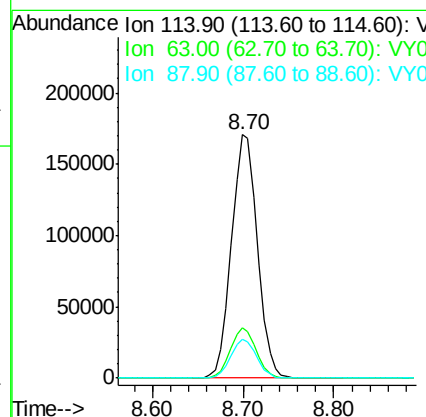
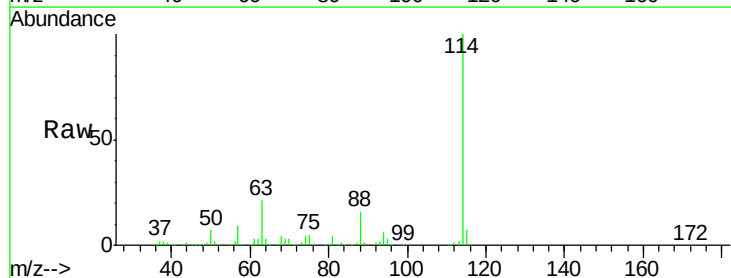
Manual Integrations
 APPROVED

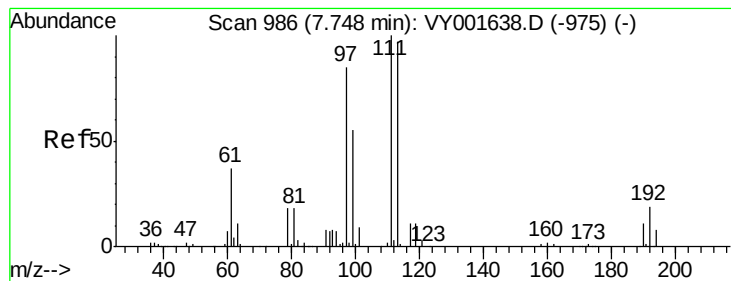
MMDadoda
 3/3/2020 11:11:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	41.4	
88	16.0	0.0	32.8	





#35

Dibromofluoromethane

Concen: 50.191 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 97054

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

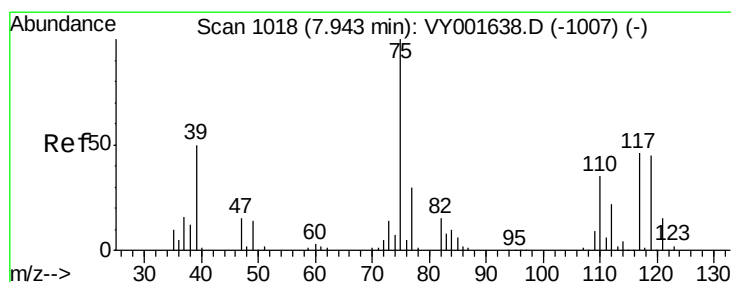
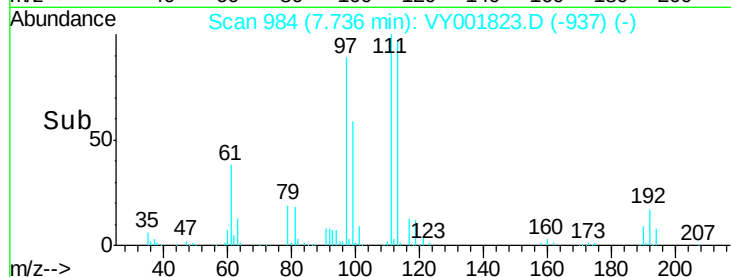
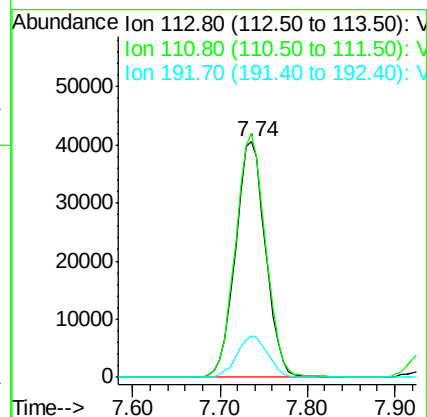
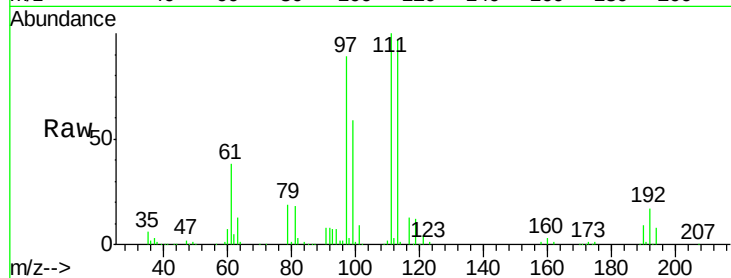
192 17.9 14.3 21.5

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:11:44 AM



#36

1,1-Dichloropropene

Concen: 49.902 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

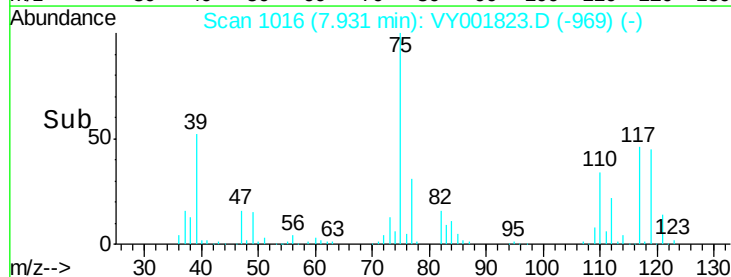
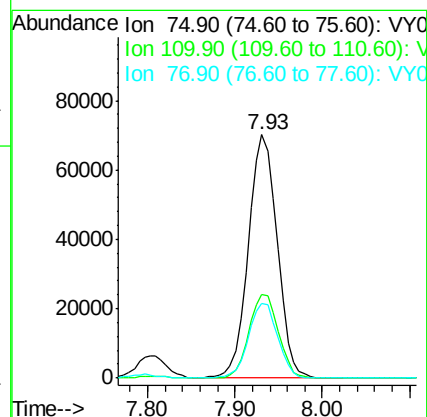
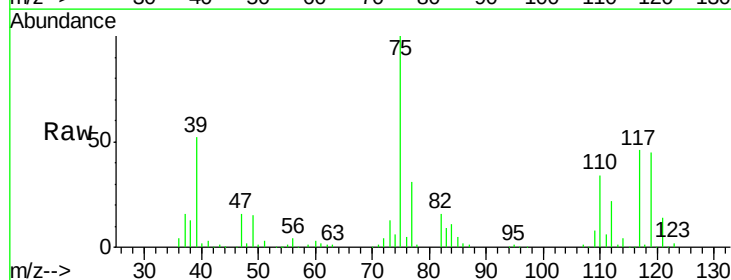
Tgt Ion: 75 Resp: 160929

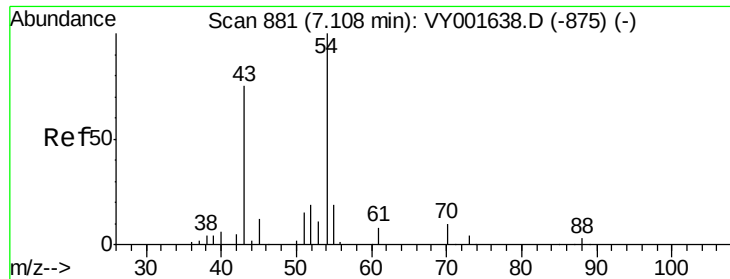
Ion Ratio Lower Upper

75 100

110 34.9 17.2 51.6

77 31.3 24.8 37.2





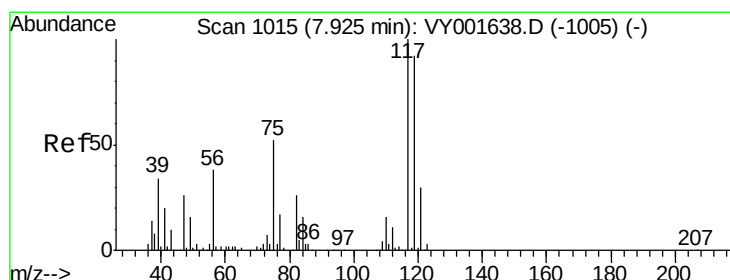
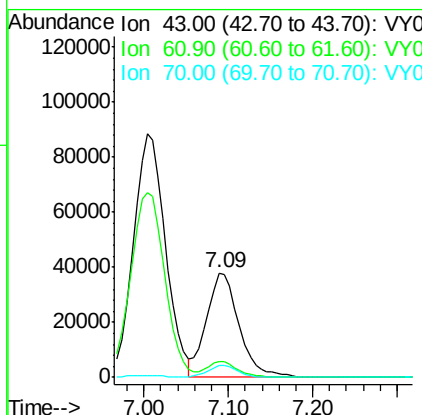
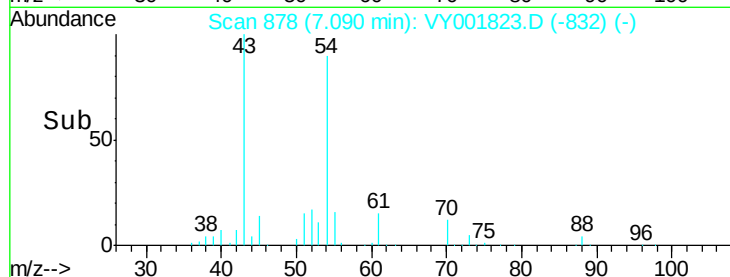
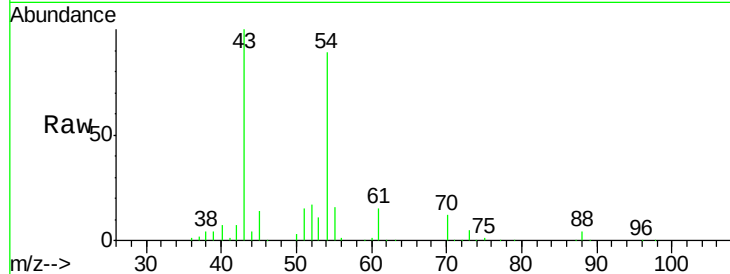
#37
Ethyl Acetate
Concen: 52.689 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.02 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	101414
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	10.8	8.8	13.2

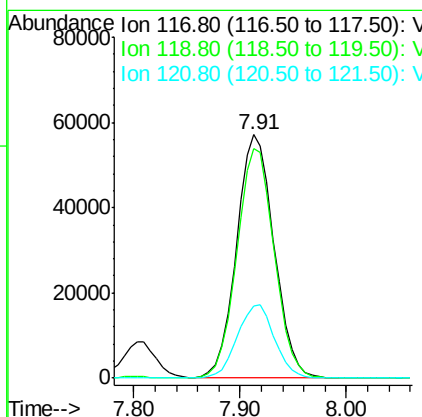
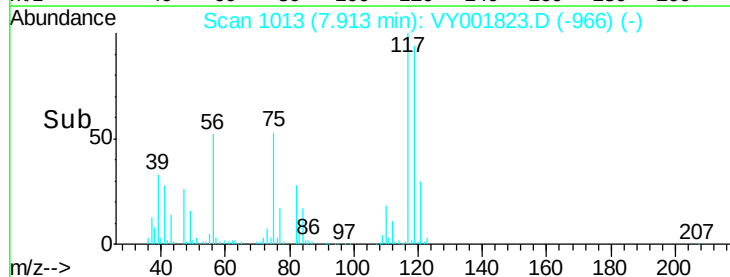
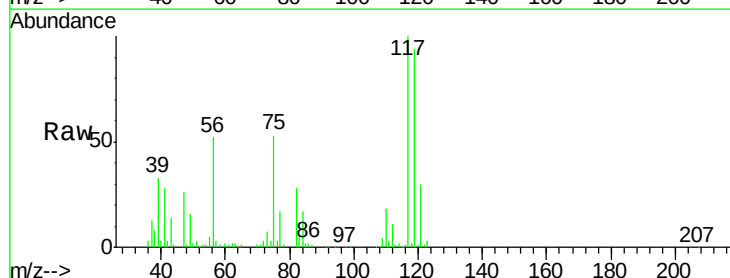
Manual Integrations
APPROVED

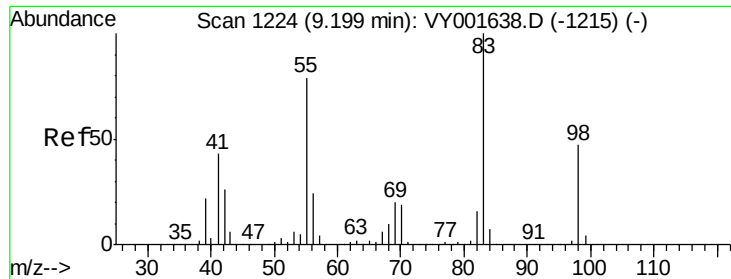
MMDadoda
3/3/2020 11:11:44 AM



#38
Carbon Tetrachloride
Concen: 49.768 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion:	117	Resp:	140972
Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.8	112.2
121	29.6	23.8	35.6





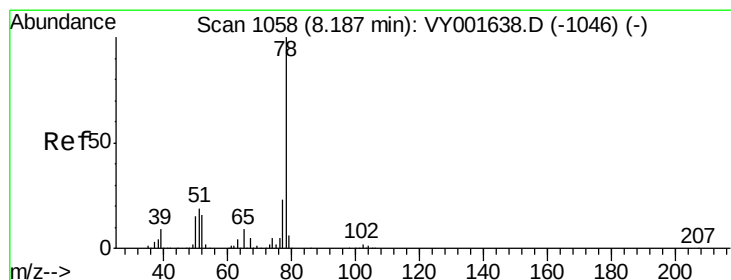
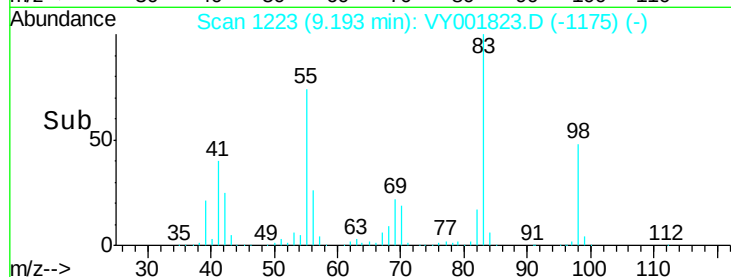
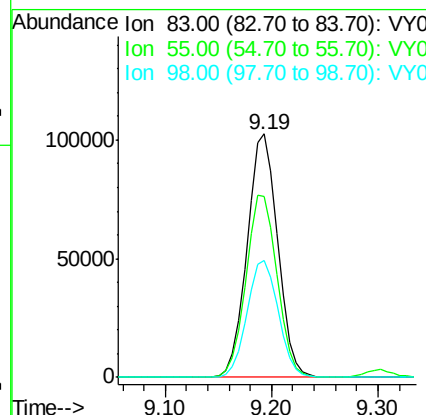
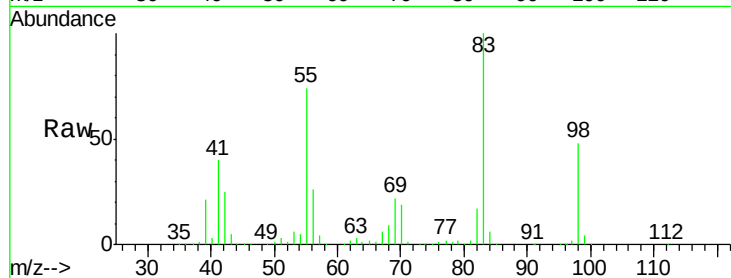
#39
Methylvlcyclohexane
Concen: 48.478 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.3	91.9
98	48.0	38.0	57.0

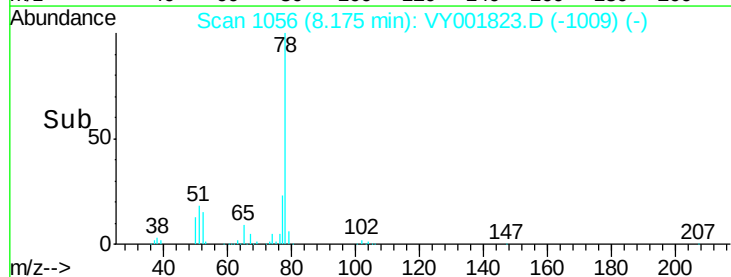
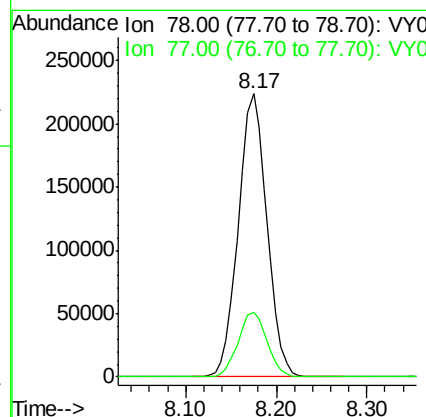
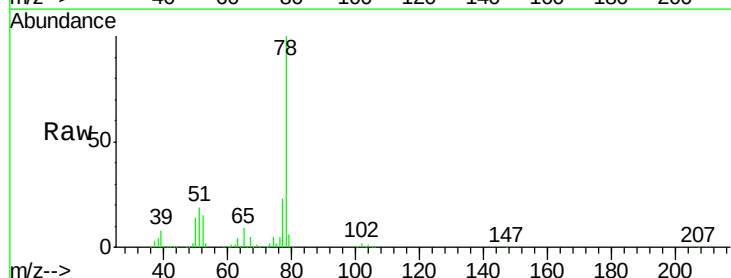
Manual Integrations
APPROVED

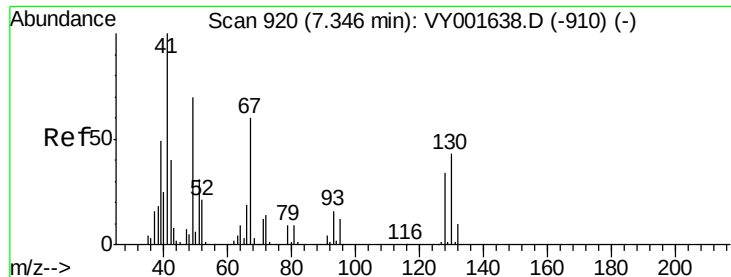
MMDadoda
3/3/2020 11:11:44 AM



#40
Benzene
Concen: 51.537 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.4





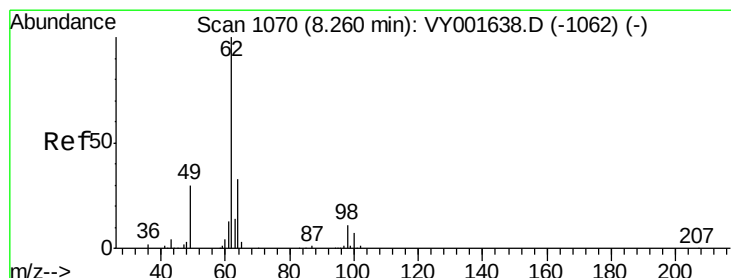
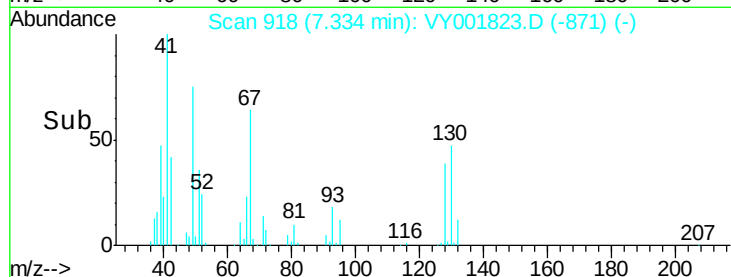
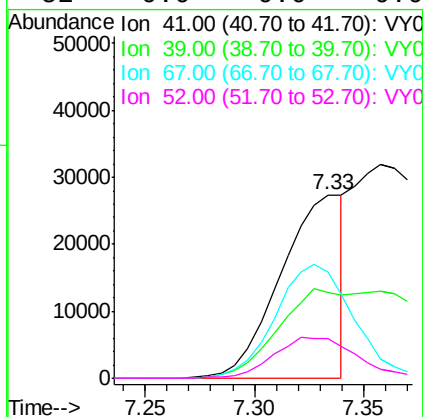
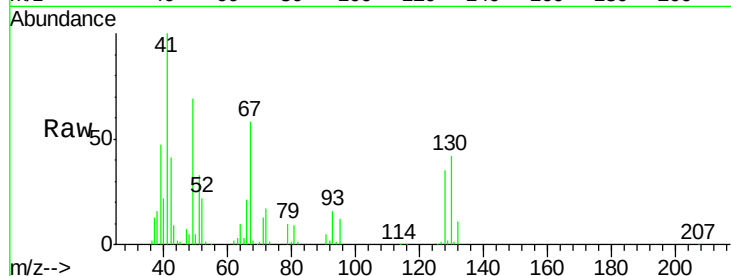
#41
Methacrylonitrile
Concen: 57.101 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	55185
Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

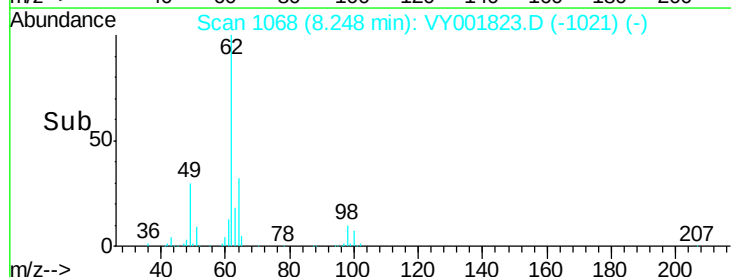
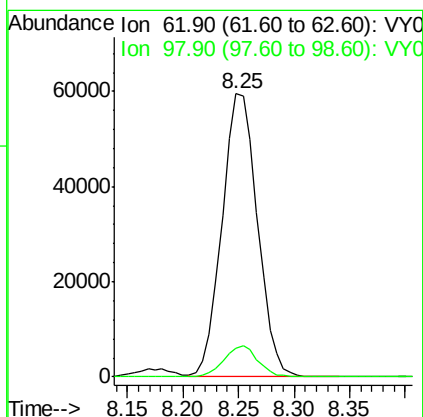
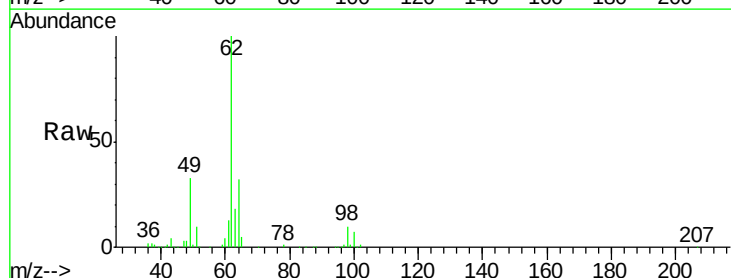
Manual Integrations
APPROVED

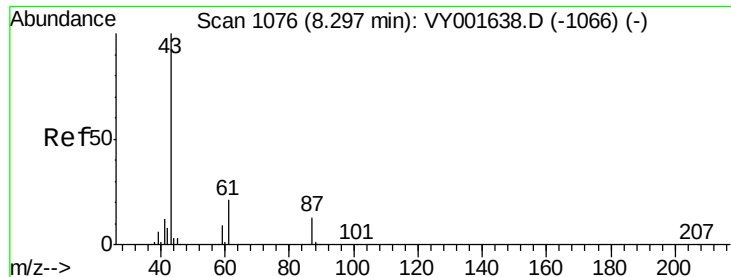
MMDadoda
3/3/2020 11:11:44 AM



#42
1,2-Dichloroethane
Concen: 50.920 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	62	Resp	131570
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8





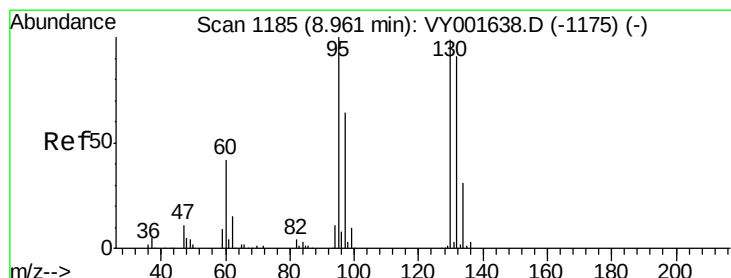
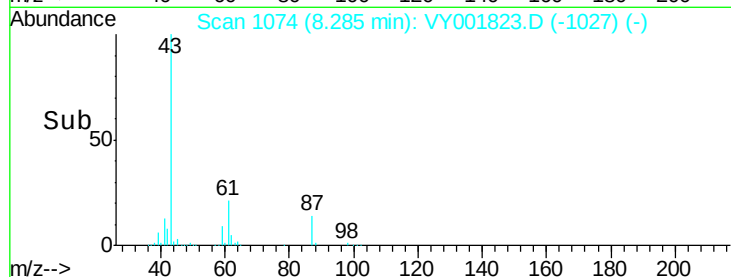
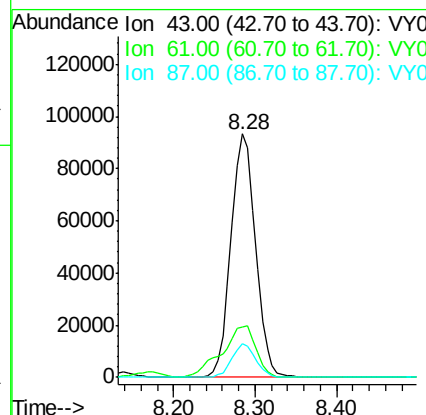
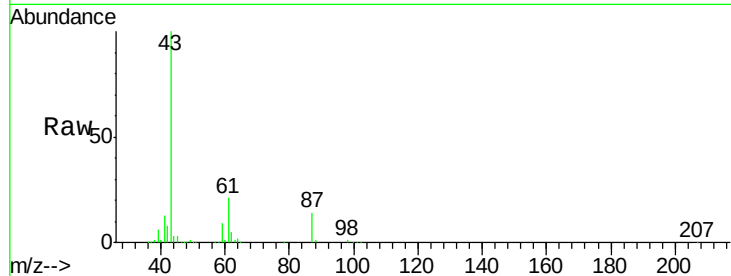
#43
Isopropyl Acetate
Concen: 53.076 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.0	34.4
87	13.2	10.7	16.1

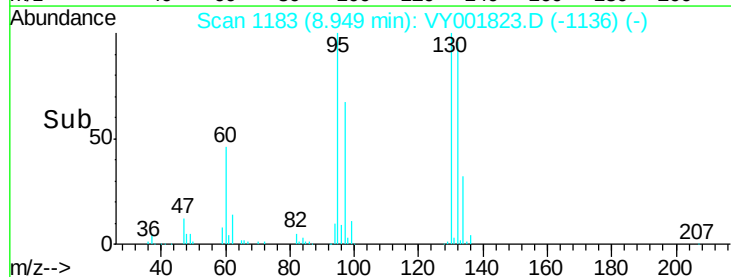
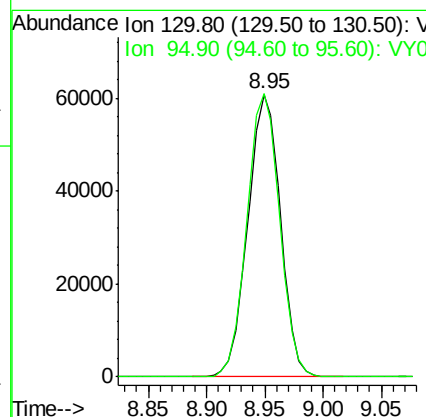
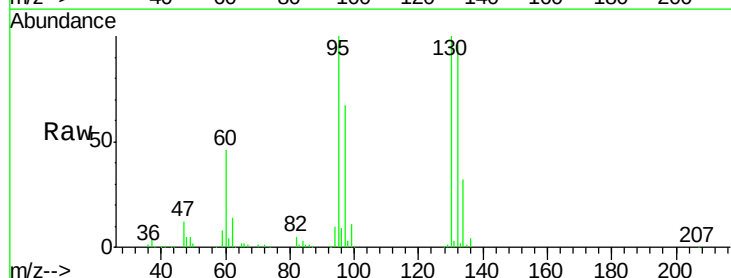
Manual Integrations
APPROVED

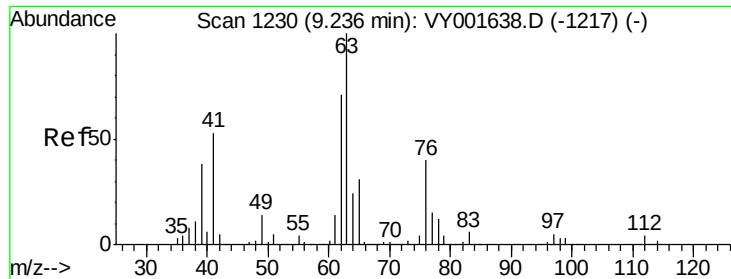
MMDadoda
3/3/2020 11:11:44 AM



#44
Trichloroethene
Concen: 50.231 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	200.6





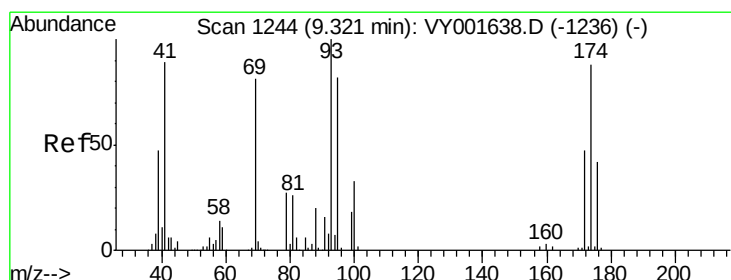
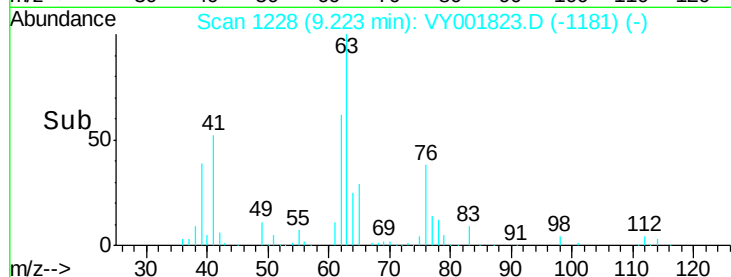
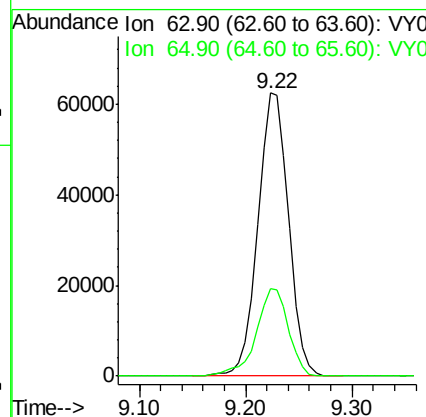
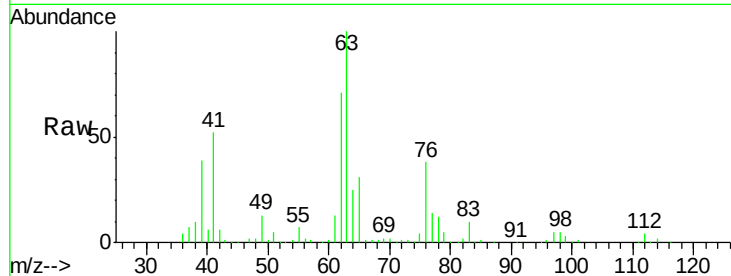
#45
1,2-Dichloropropane
Concen: 53.174 ug/l
RT: 9.22 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 126305
Ion Ratio Lower Upper
63 100
65 30.8 24.6 37.0

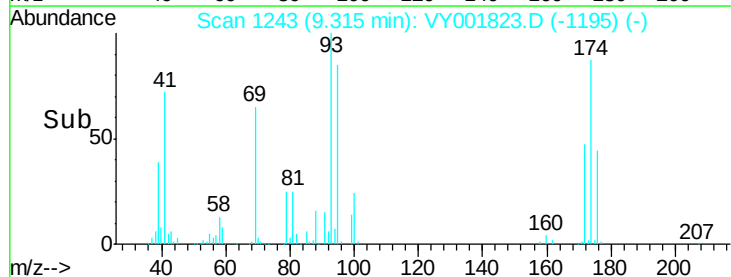
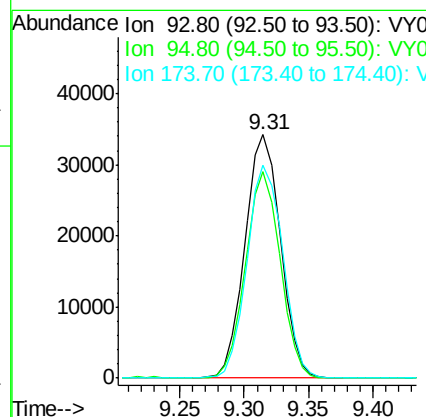
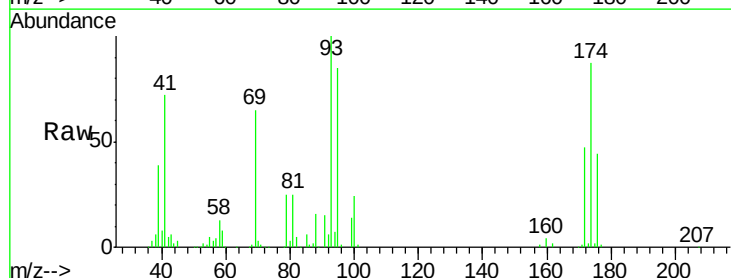
Manual Integrations
APPROVED

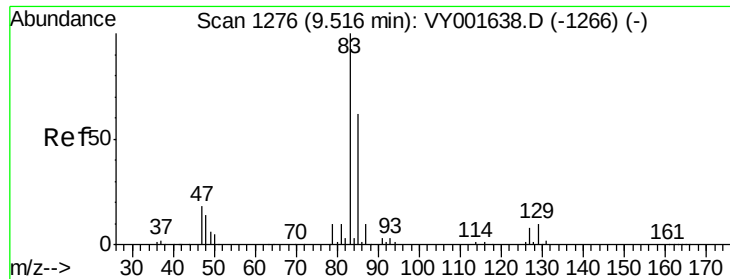
MMDadoda
3/3/2020 11:11:44 AM



#46
Dibromomethane
Concen: 52.715 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 93 Resp: 65491
Ion Ratio Lower Upper
93 100
95 82.7 66.1 99.1
174 87.9 72.5 108.7





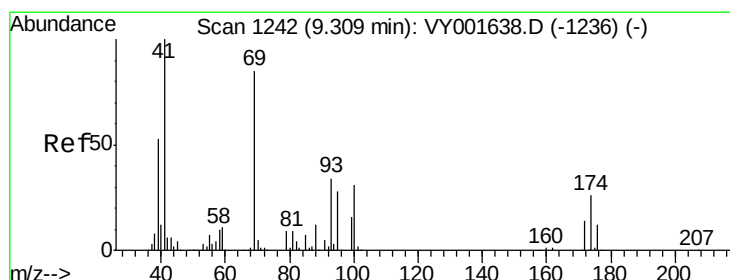
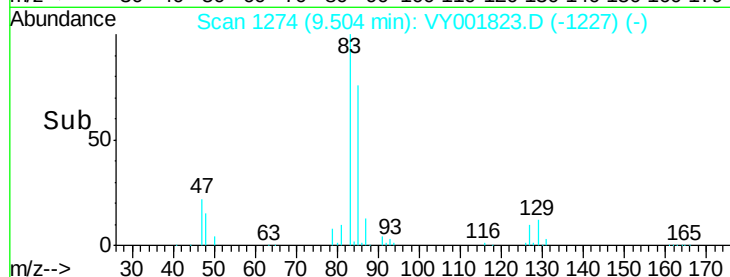
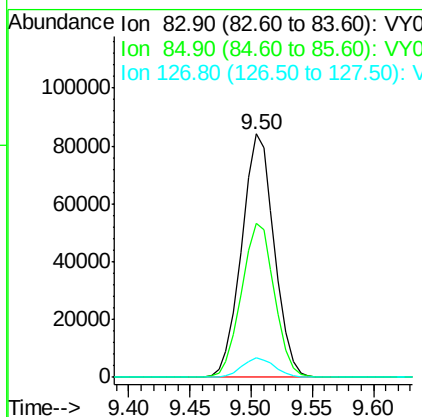
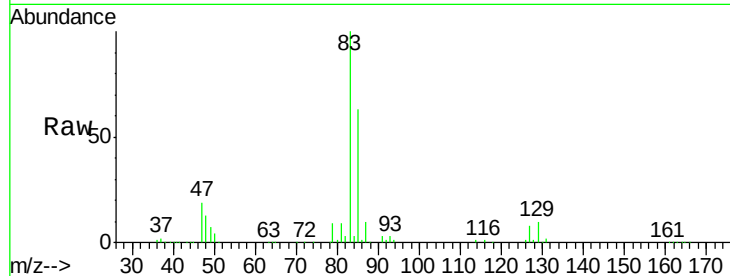
#47
Bromodichloromethane
Concen: 51.931 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	155710		
85	63.1		51.4	77.0
127	8.0		6.4	9.6

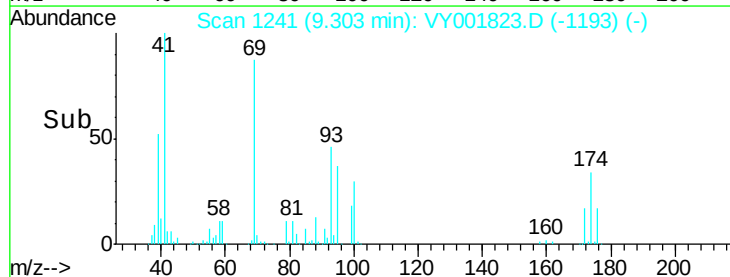
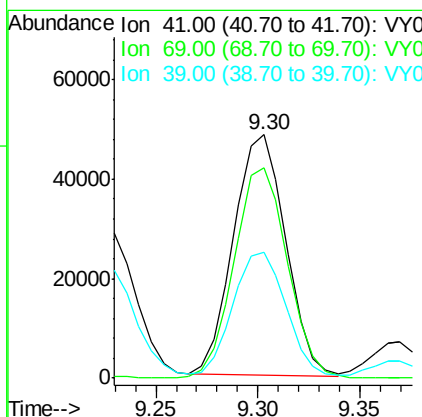
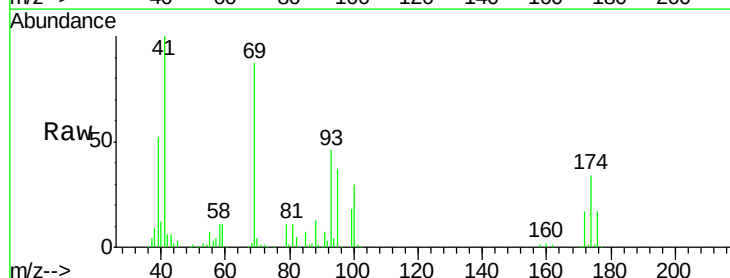
Manual Integrations
APPROVED

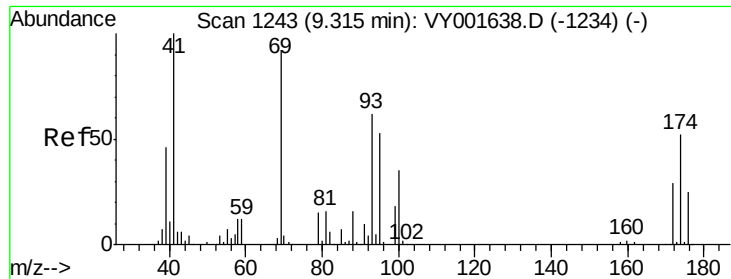
MMDadoda
3/3/2020 11:11:44 AM



#48
Methyl methacrylate
Concen: 51.997 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85880		
69	89.8		70.7	106.1
39	51.5		42.2	63.2





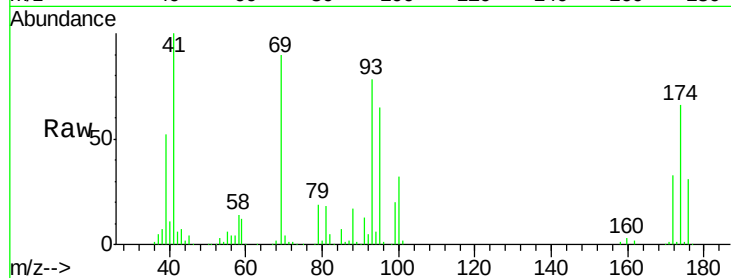
#49
1,4-Dioxane
Concen: 1032.984 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

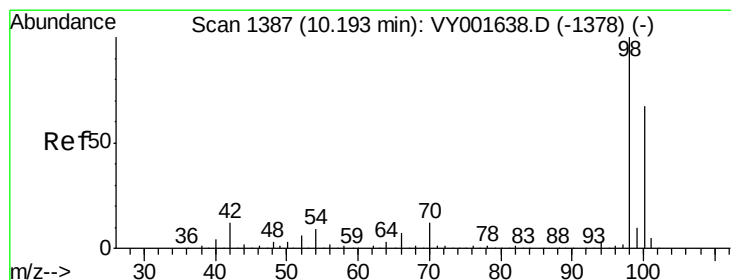
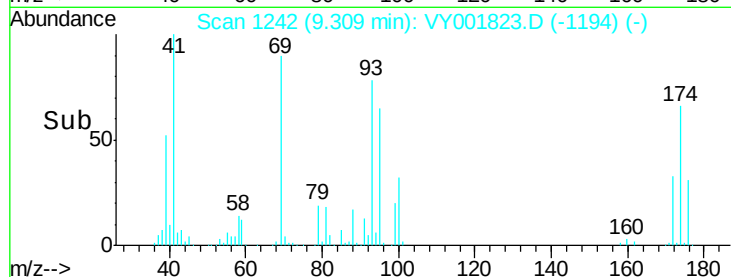
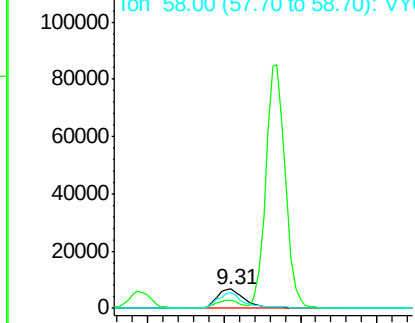
Tot Ion	88	Resp	18126
Ion	Ratio	Lower	Upper
88	100		
43	32.7	23.1	34.7
58	75.5	58.1	87.1

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM

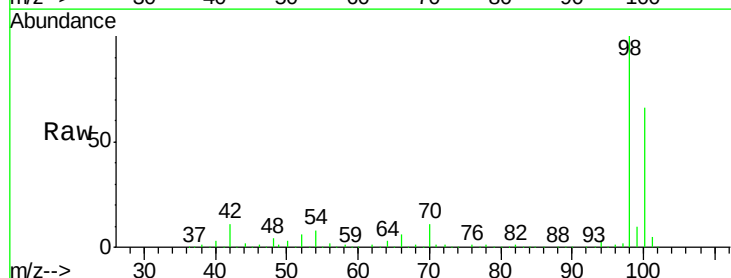


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

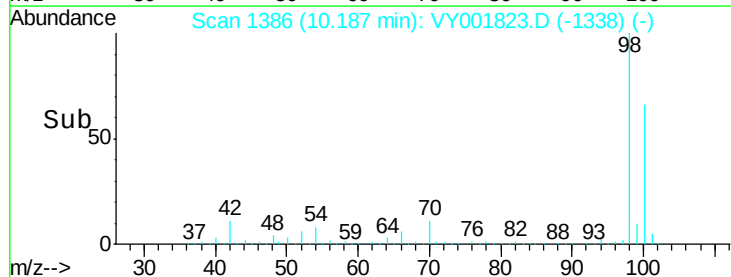
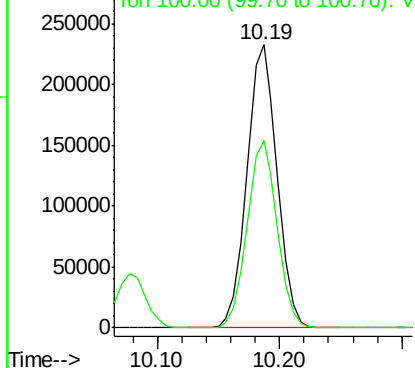


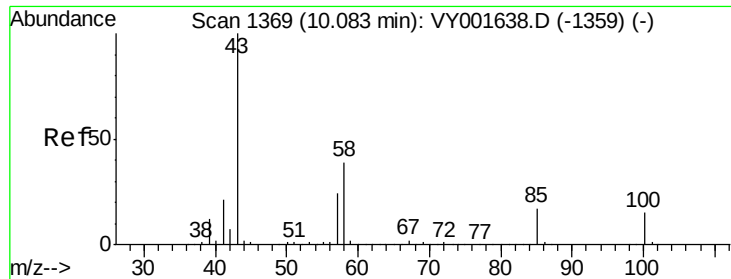
#50
Toluene-d8
Concen: 52.458 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	98	Resp	397404
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





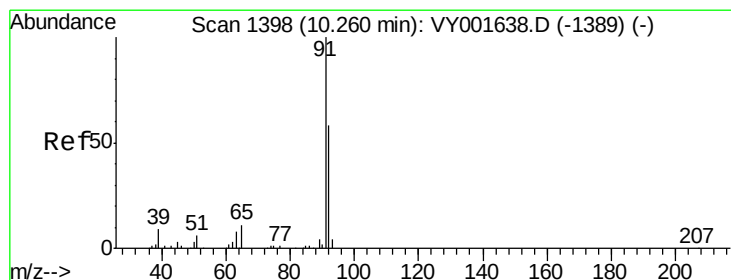
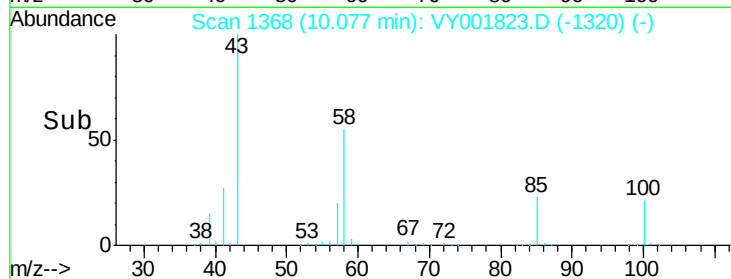
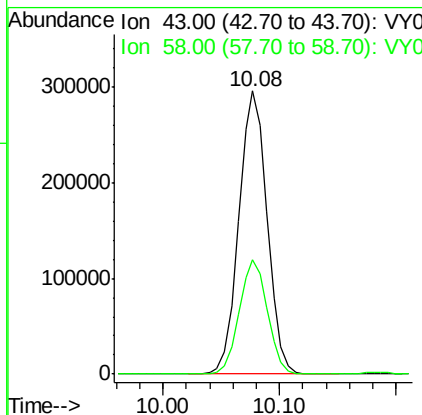
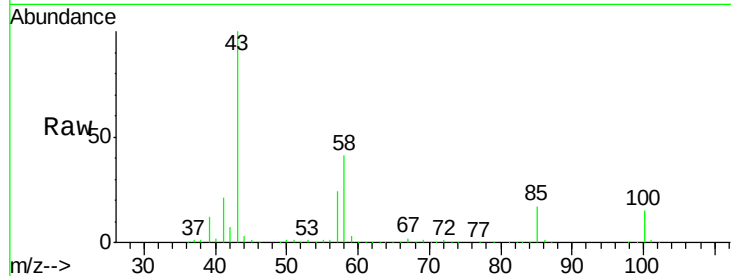
#51
4-Methyl-2-Pentanone
Concen: 265.972 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.4		32.2	48.4	

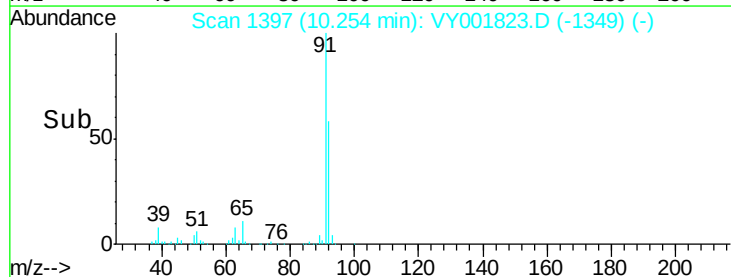
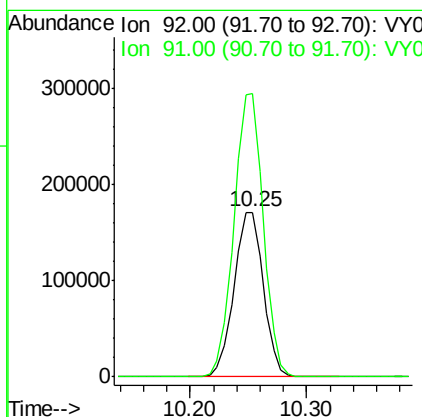
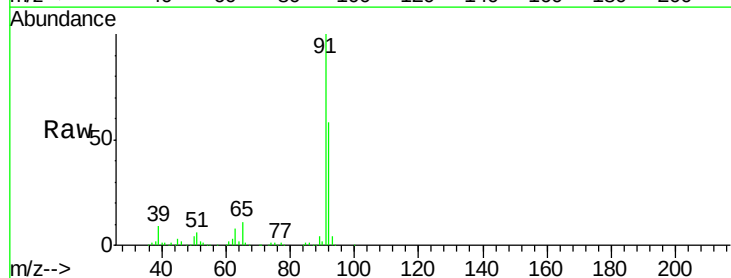
Manual Integrations
APPROVED

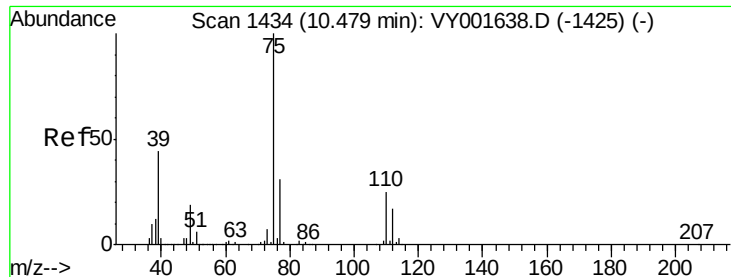
MMDadoda
3/3/2020 11:11:44 AM



#52
Toluene
Concen: 50.681 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	171.7		137.0	205.6	





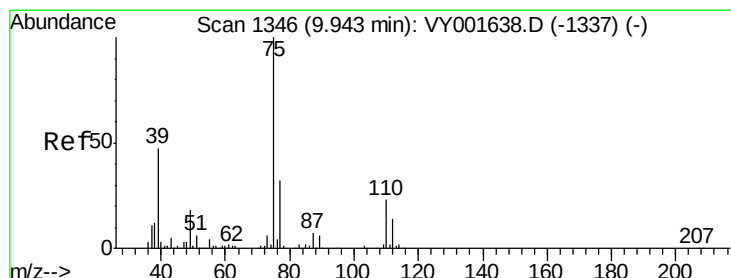
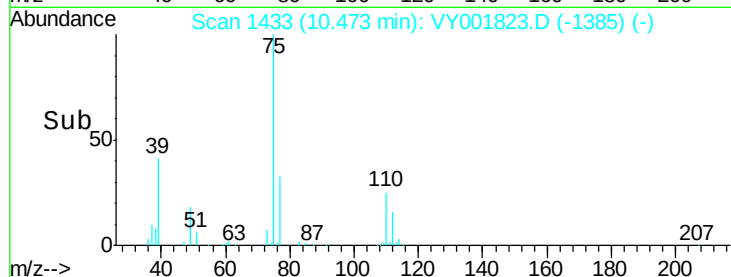
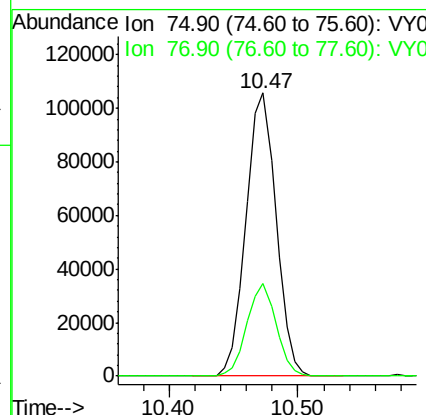
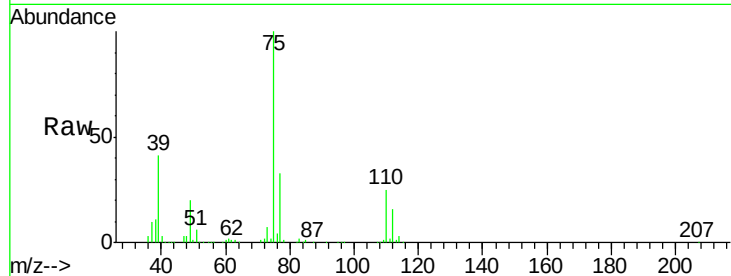
#53
t-1,3-Dichloropropene
Concen: 51.512 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 170752
Ion Ratio Lower Upper
75 100
77 32.9 25.2 37.8

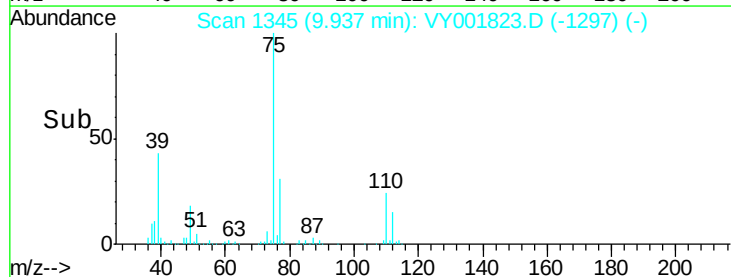
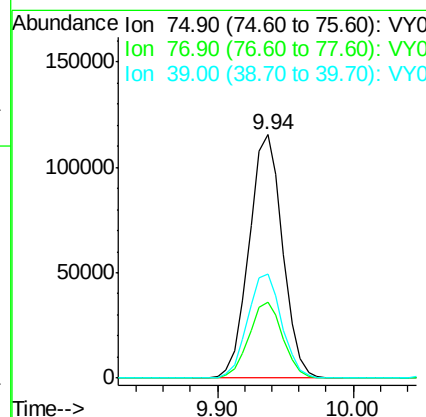
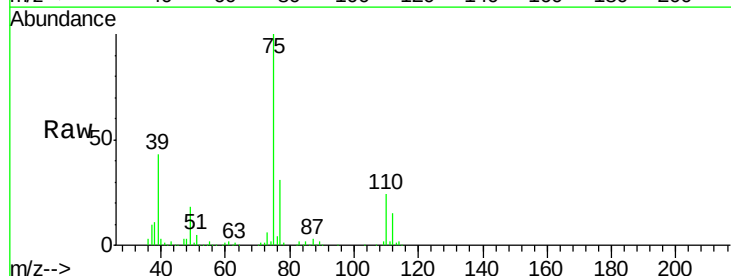
Manual Integrations
APPROVED

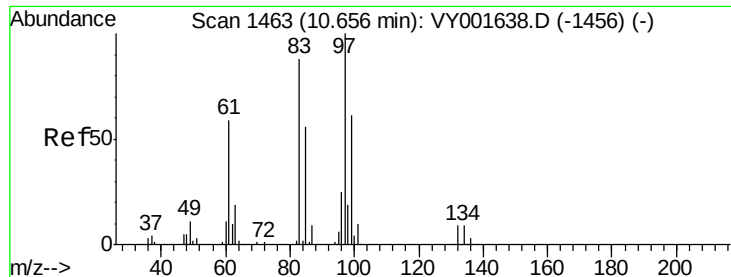
MMDadoda
3/3/2020 11:11:44 AM



#54
cis-1,3-Dichloropropene
Concen: 52.186 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 75 Resp: 199094
Ion Ratio Lower Upper
75 100
77 31.2 25.7 38.5
39 42.9 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 53.358 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

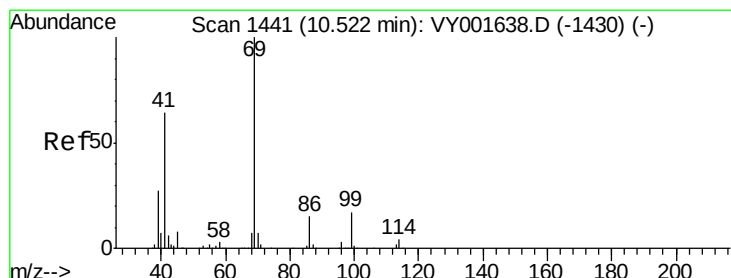
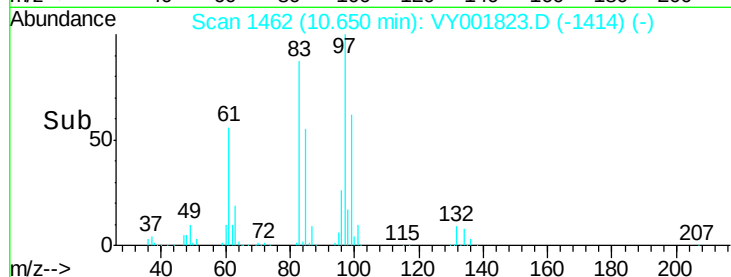
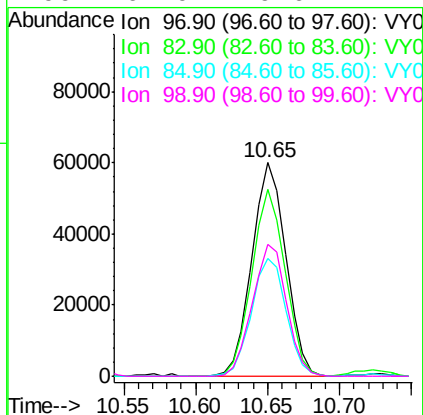
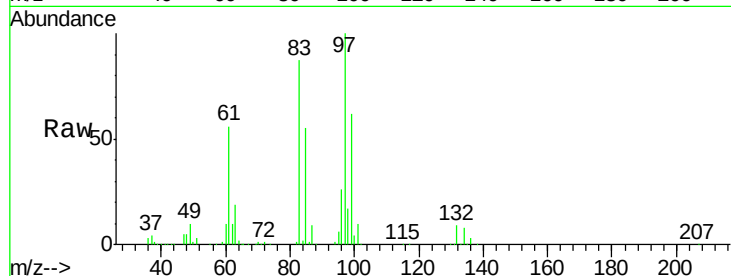
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	97748
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.7	104.5
85	55.1	44.5	66.7
99	62.0	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM



#56

Ethyl methacrylate

Concen: 54.062 ug/l

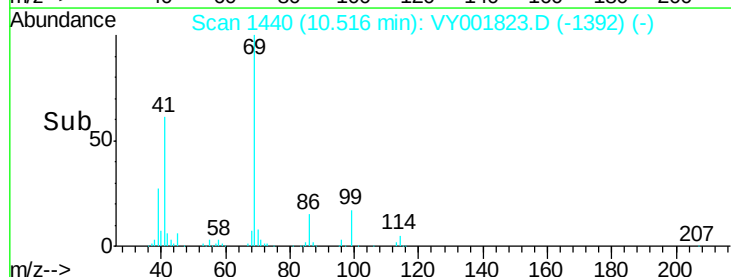
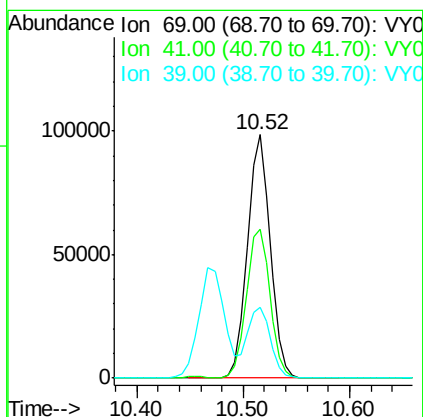
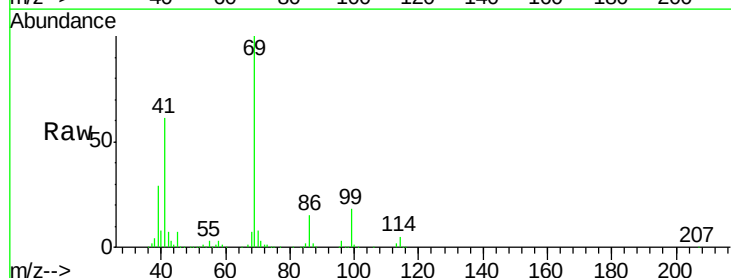
RT: 10.52 min Scan# 1440

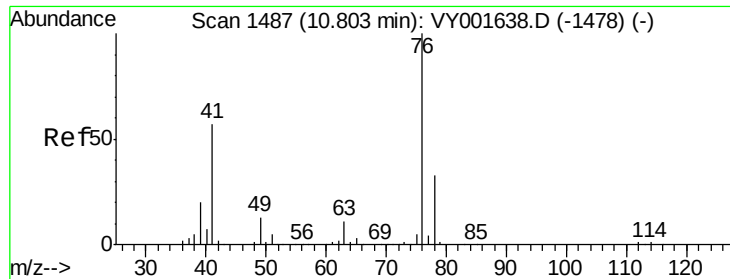
Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion:	69	Resp:	148574
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	30.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.580 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 174401

Ion Ratio Lower Upper

76 100

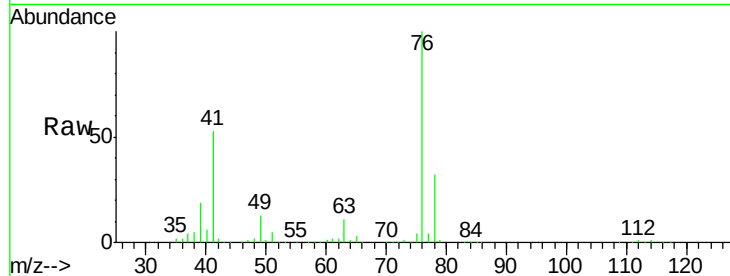
78 32.0 25.7 38.5

Manual Integrations

APPROVED

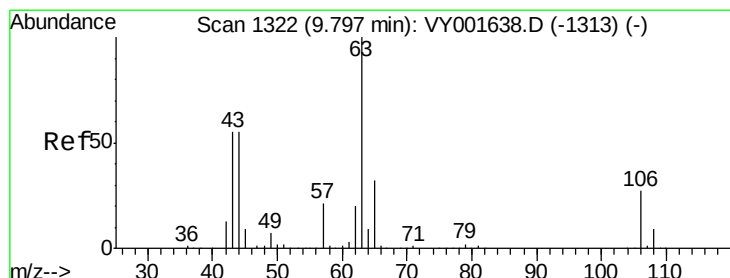
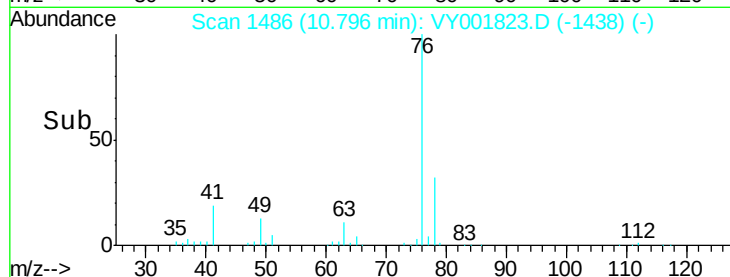
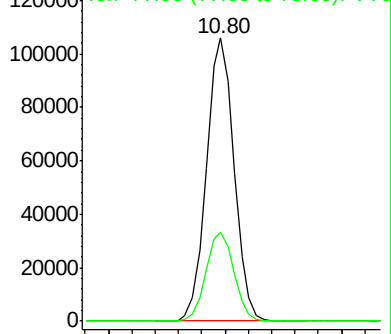
MMDadoda

3/3/2020 11:11:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 230.350 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY001823.D

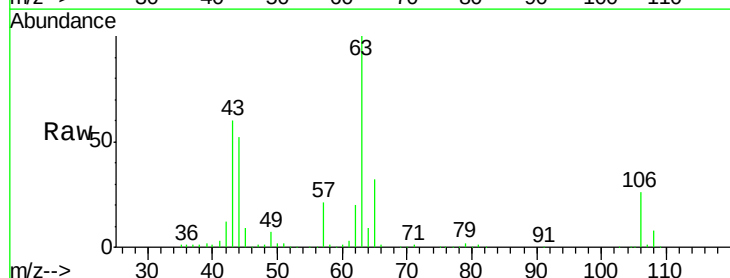
Acq: 02 Mar 2020 17:04

Tgt Ion: 63 Resp: 239629

Ion Ratio Lower Upper

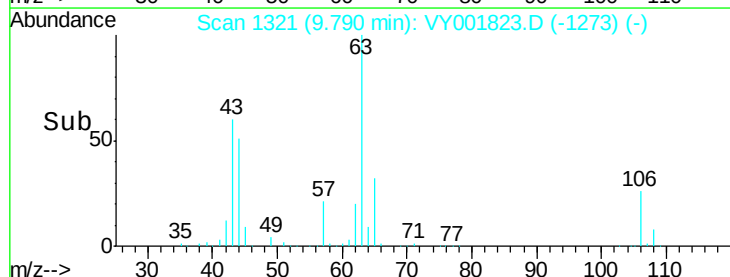
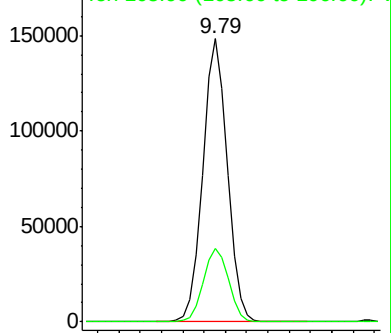
63 100

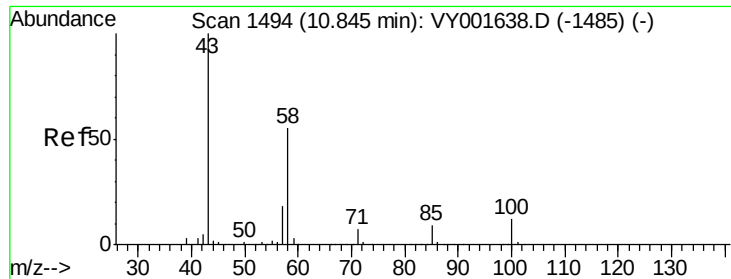
106 26.8 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





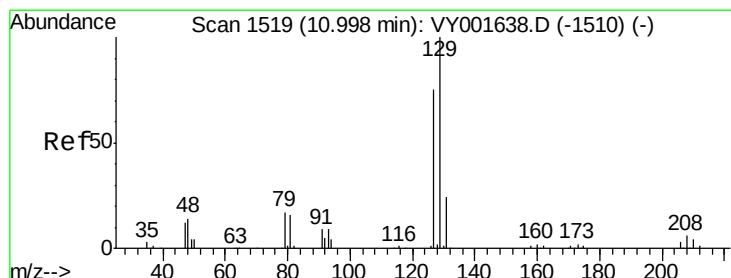
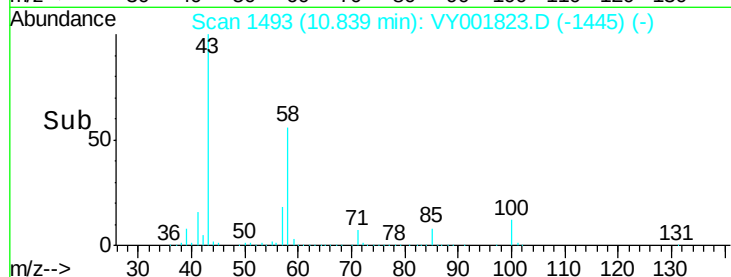
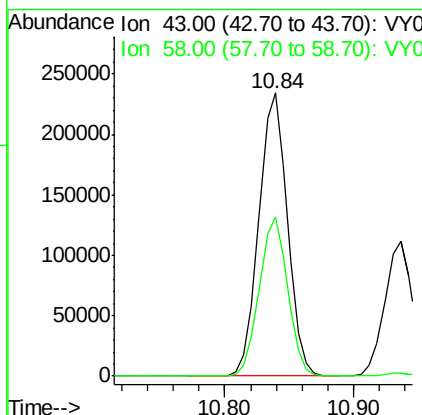
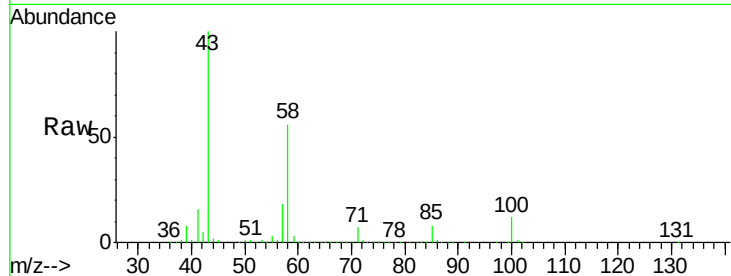
#59
2-Hexanone
Concen: 254.420 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 358186
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.2

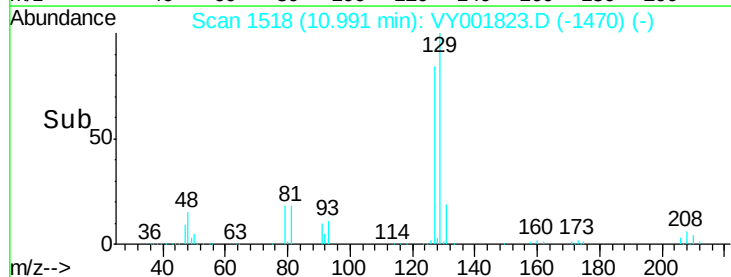
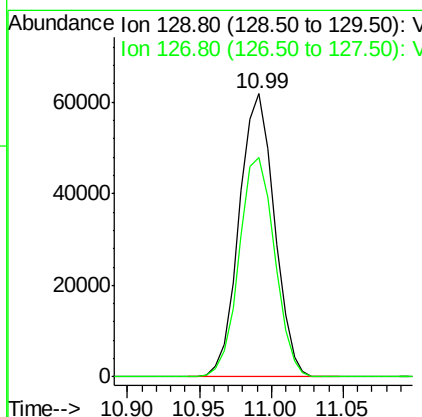
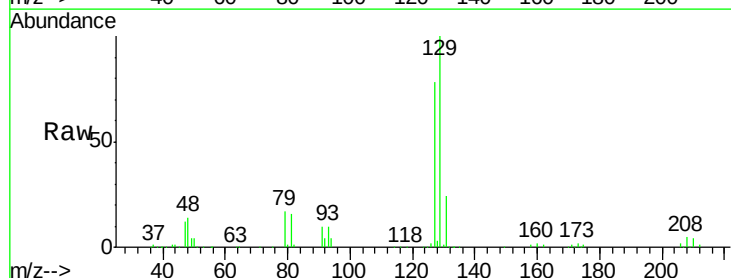
Manual Integrations
APPROVED

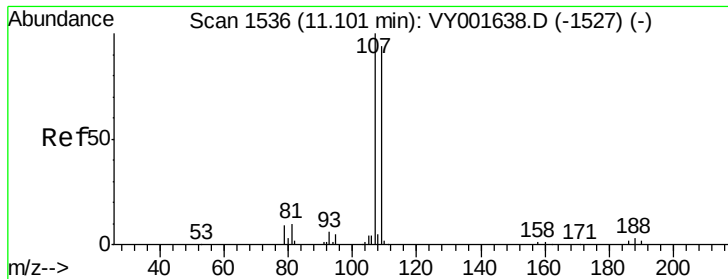
MMDadoda
3/3/2020 11:11:44 AM



#60
Dibromochloromethane
Concen: 51.975 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 129 Resp: 104974
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6





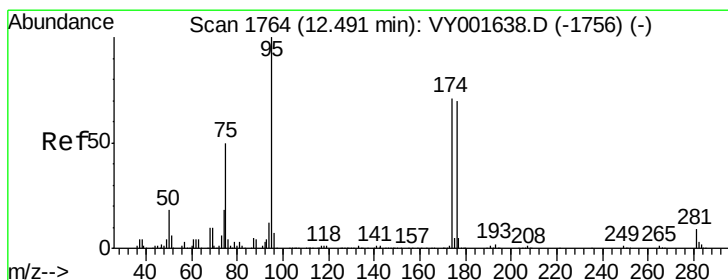
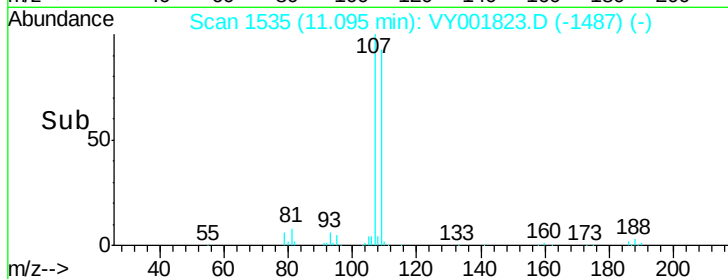
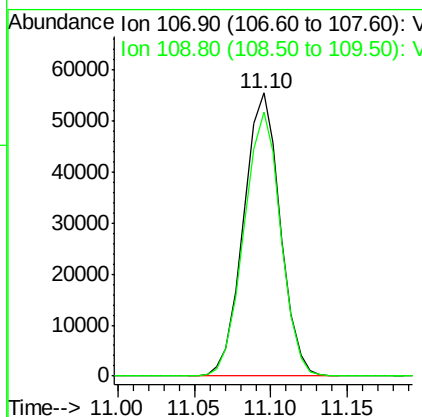
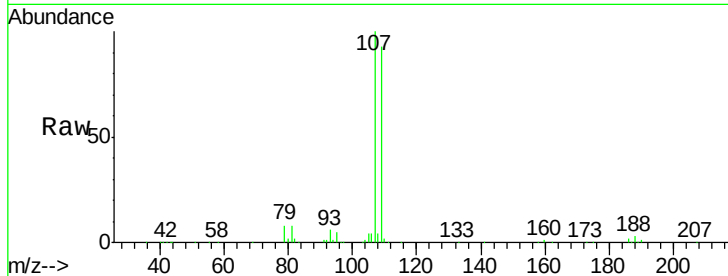
#61
 1,2-Dibromoethane
 Concen: 53.282 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.2	111.4

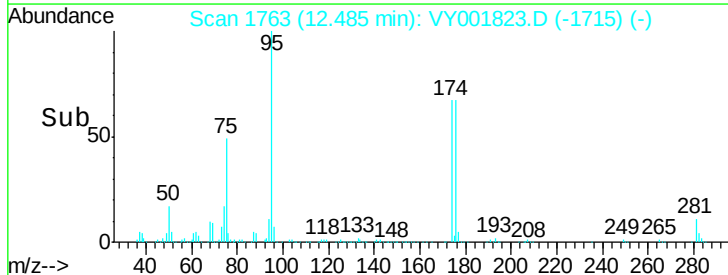
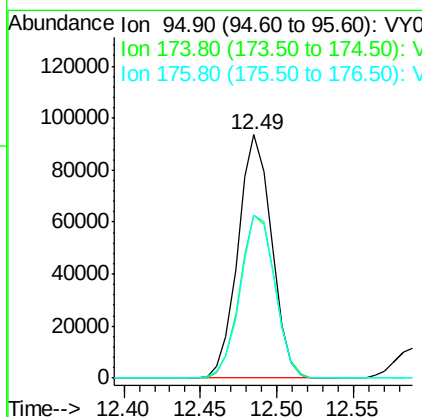
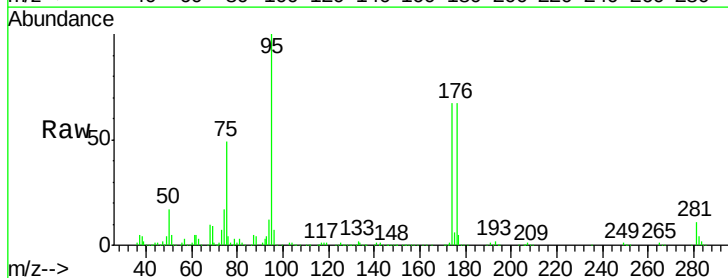
Manual Integrations
 APPROVED

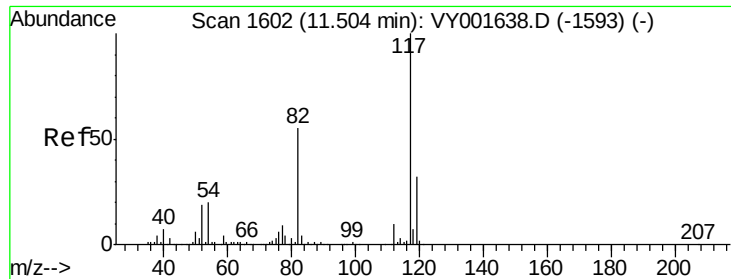
MMDadoda
 3/3/2020 11:11:44 AM



#62
 4-Bromofluorobenzene
 Concen: 48.559 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	138.4
176	69.6	0.0	131.8





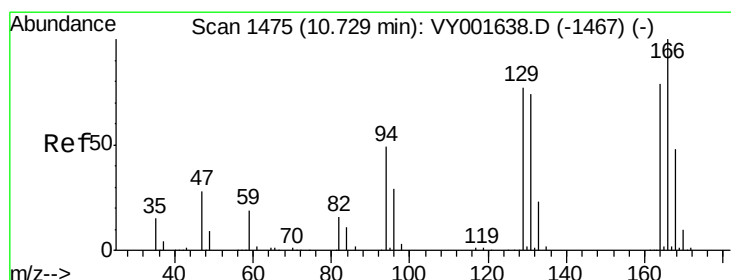
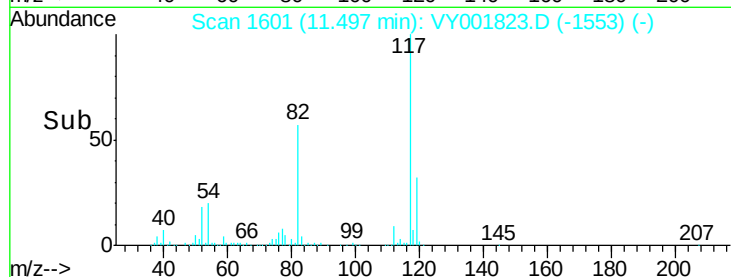
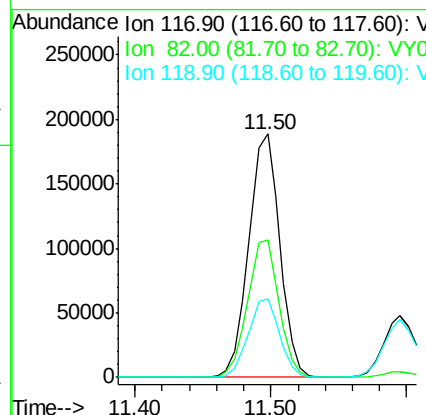
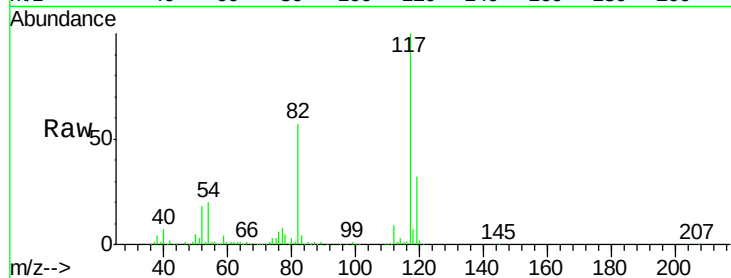
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.5	68.3
119	32.3	25.8	38.6

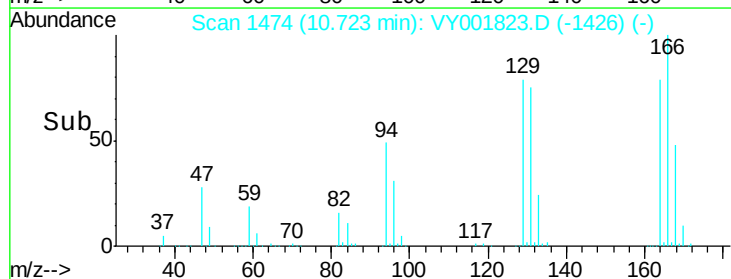
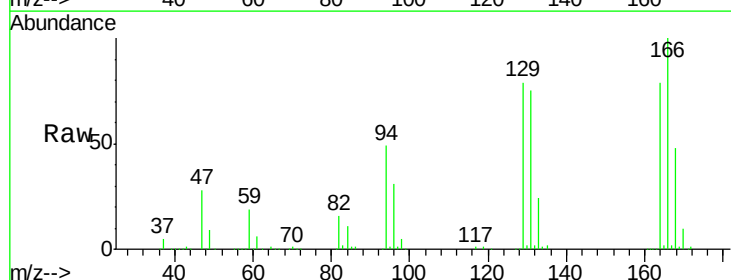
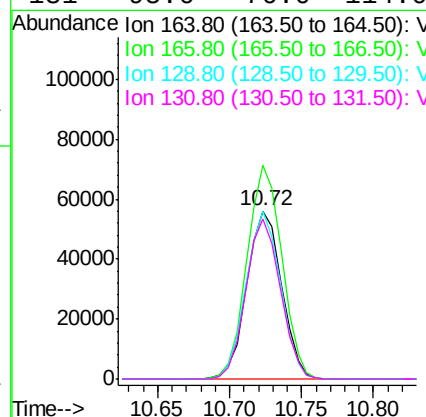
Manual Integrations
APPROVED

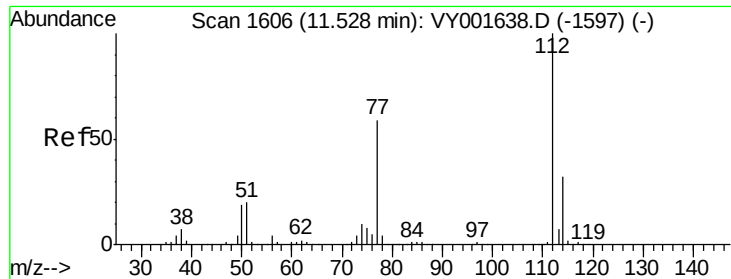
MMDadoda
3/3/2020 11:11:44 AM



#64
Tetrachloroethene
Concen: 49.507 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.4	152.0
129	100.1	78.7	118.1
131	95.6	76.0	114.0





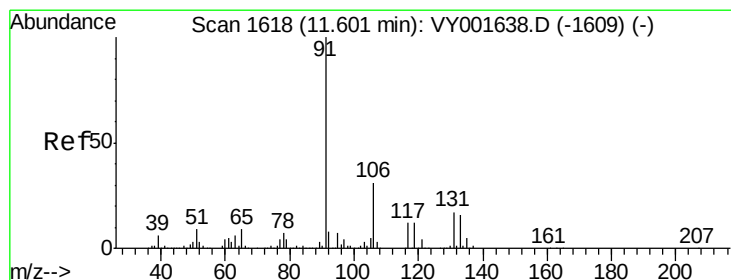
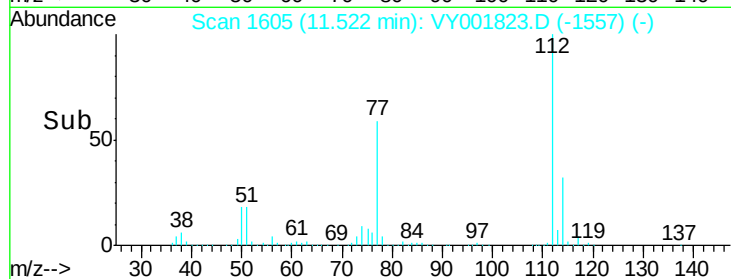
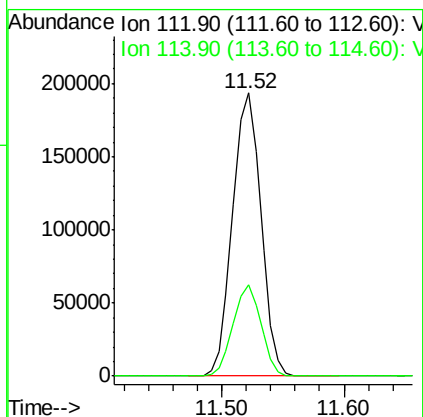
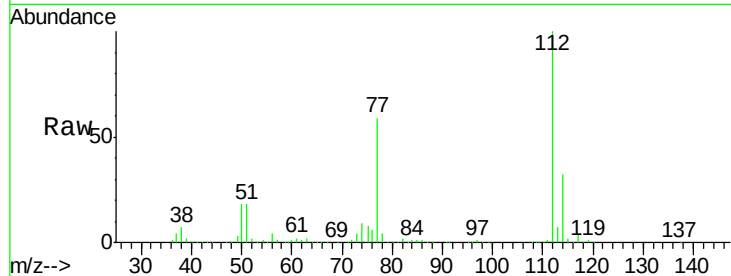
#65
Chlorobenzene
Concen: 51.757 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

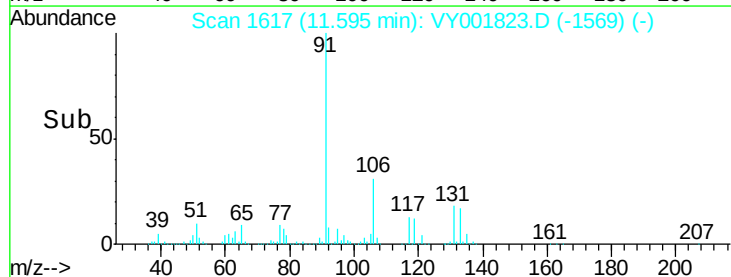
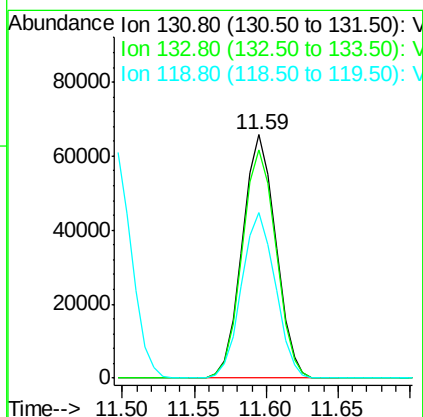
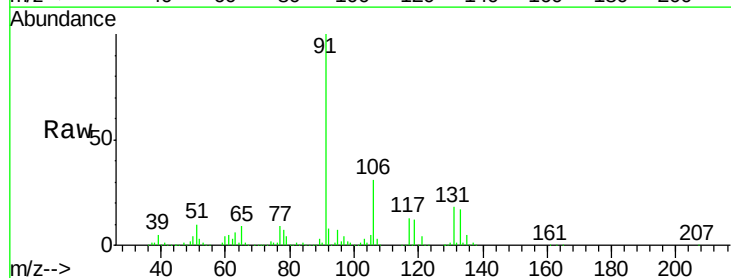
Manual Integrations
APPROVED

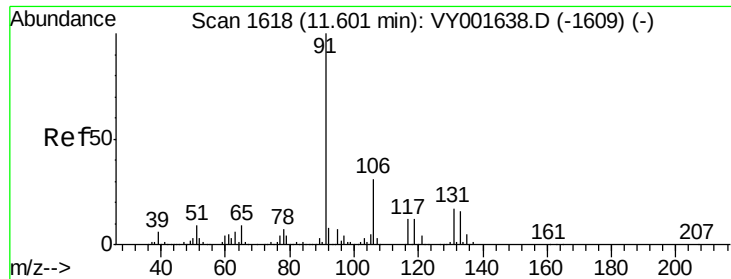
MMDadoda
3/3/2020 11:11:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.227 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.2
119	68.5	34.4	103.1





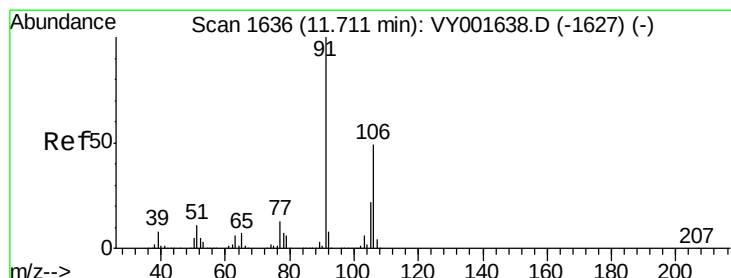
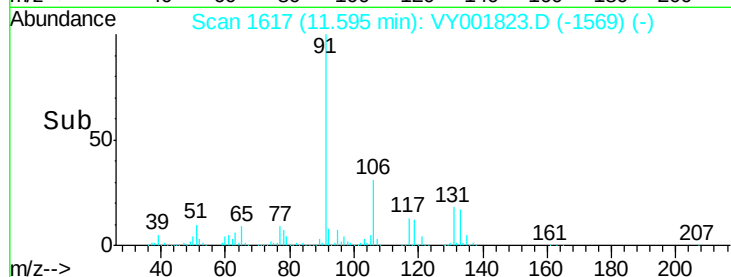
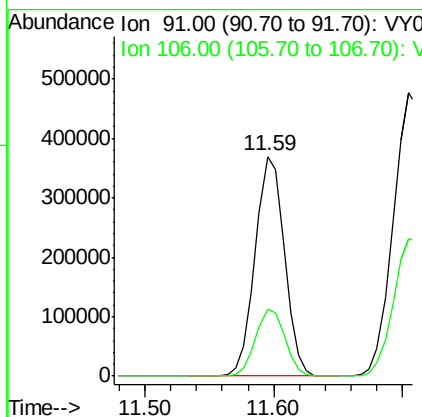
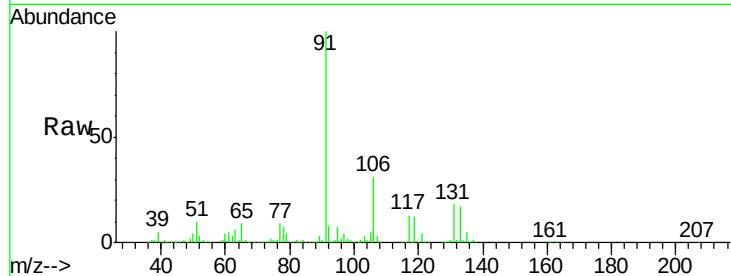
#67
Ethyl Benzene
Concen: 51.810 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 578957
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7

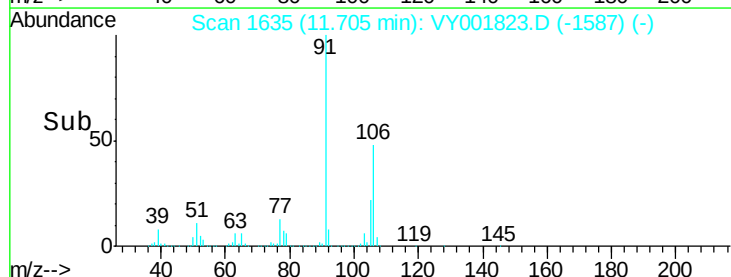
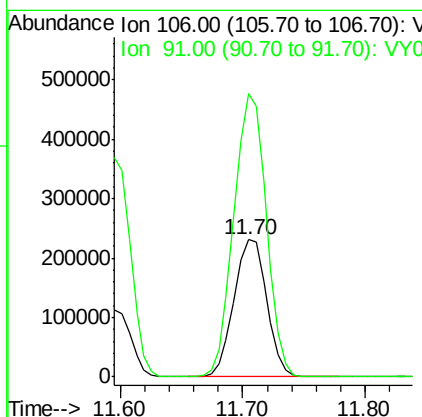
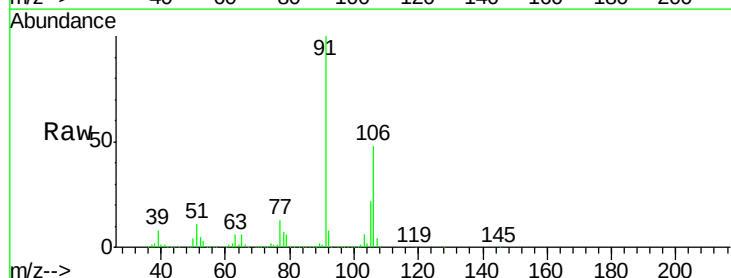
Manual Integrations
APPROVED

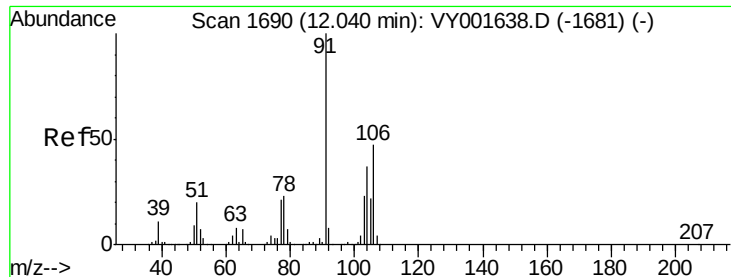
MMDadoda
3/3/2020 11:11:44 AM



#68
m/p-Xylenes
Concen: 102.833 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 106 Resp: 429249
Ion Ratio Lower Upper
106 100
91 204.1 163.3 244.9





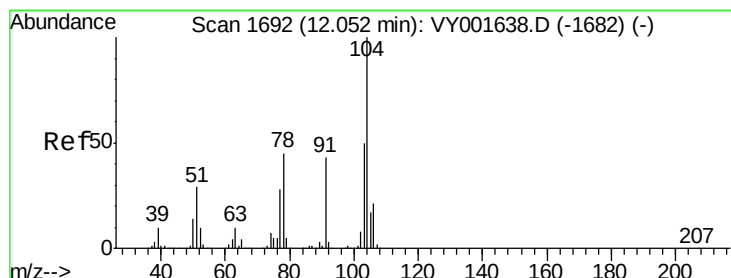
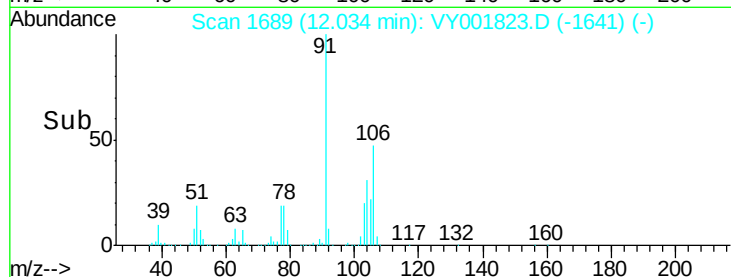
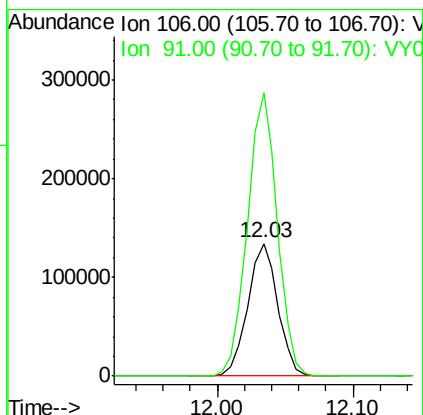
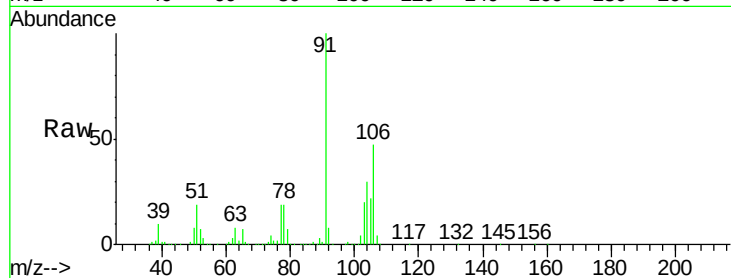
#69
o-Xylene
Concen: 52.113 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		206805		
91	213.3	108.3	324.9		

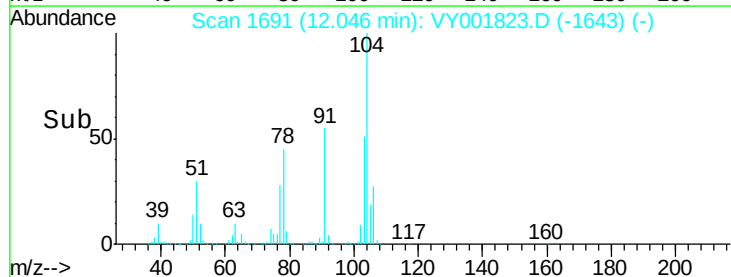
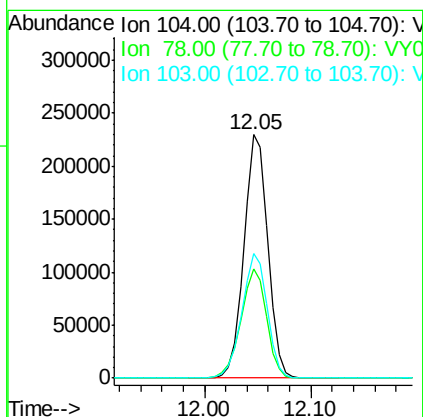
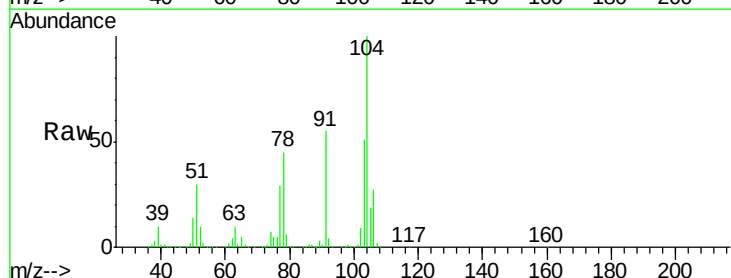
Manual Integrations
APPROVED

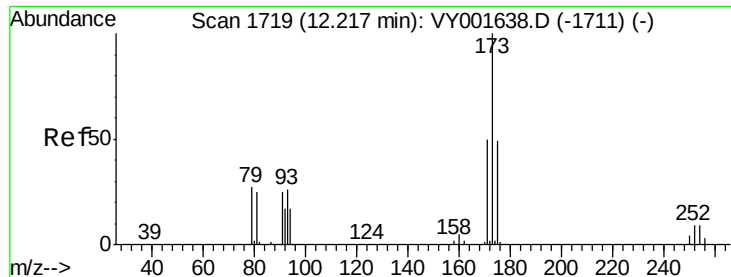
MMDadoda
3/3/2020 11:11:44 AM



#70
Styrene
Concen: 52.290 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		360638		
78	48.3	39.2	58.8		
103	54.4	43.0	64.6		





#71

Bromoform

Concen: 52.388 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 60814

Ion Ratio Lower Upper

173 100

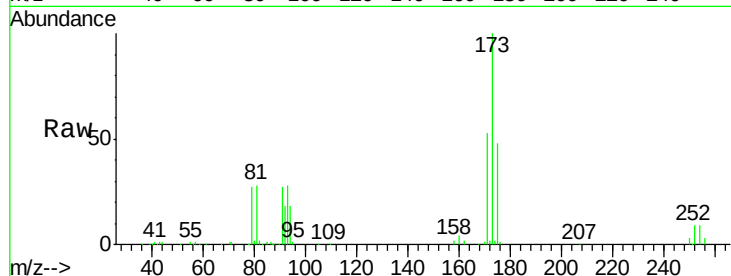
175 48.6 24.3 73.0

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

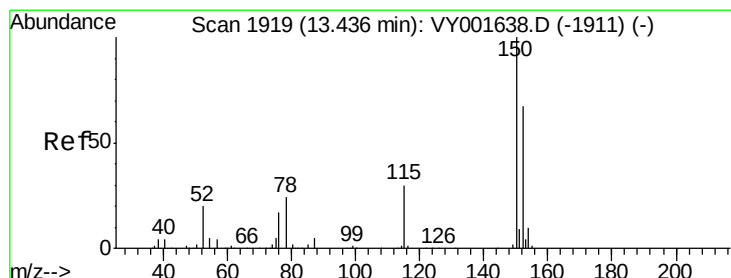
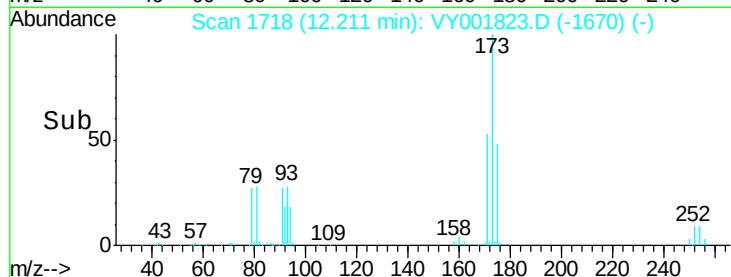
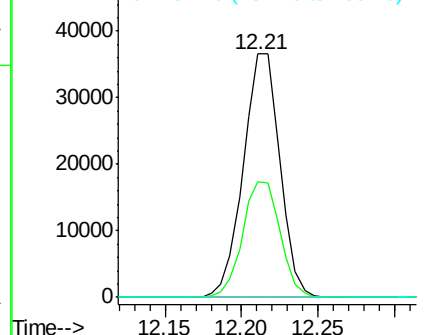
3/3/2020 11:11:44 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

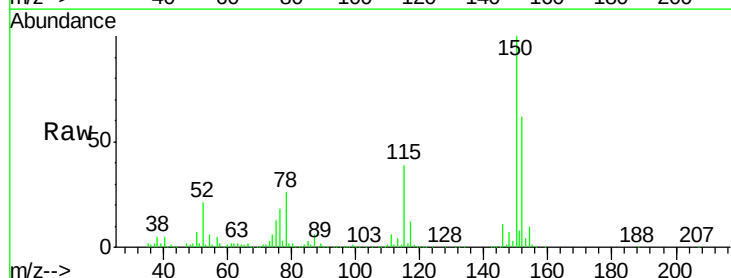
Tgt Ion:152 Resp: 141126

Ion Ratio Lower Upper

152 100

115 62.4 31.4 94.2

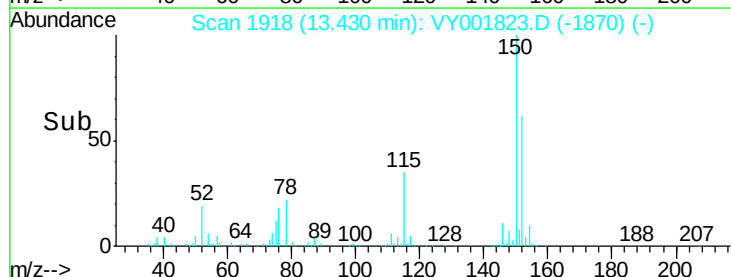
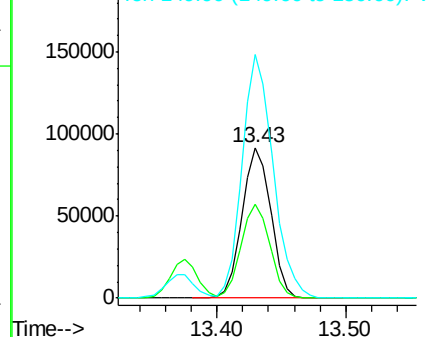
150 174.5 0.0 407.2

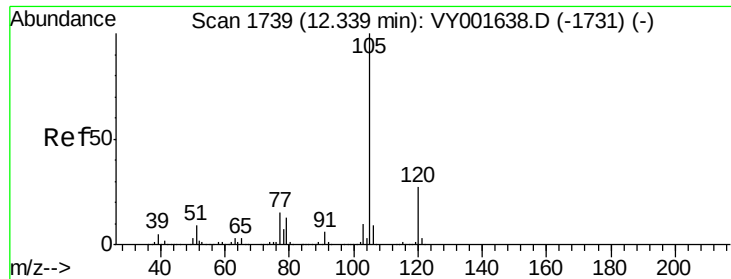


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.162 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 550056

Ion Ratio Lower Upper

105 100

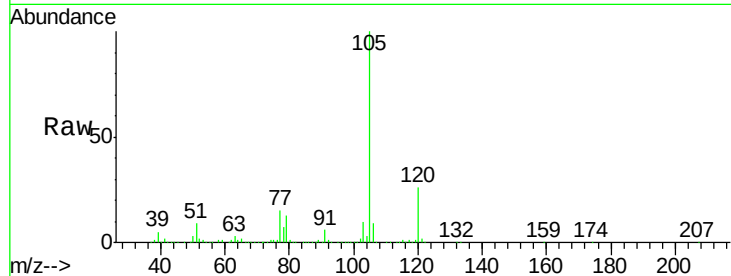
120 26.6 13.4 40.1

Manual Integrations

APPROVED

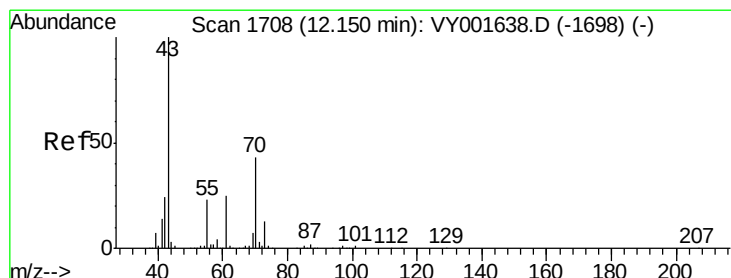
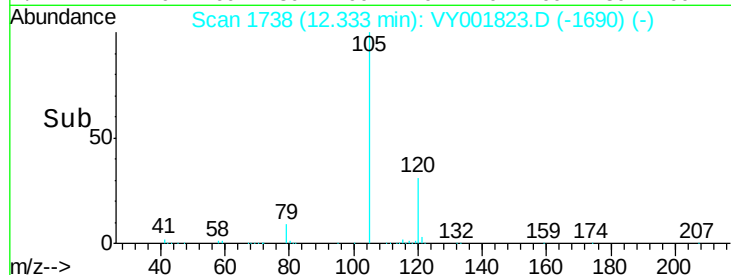
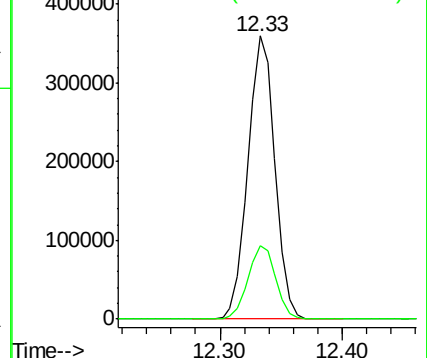
MMDadoda

3/3/2020 11:11:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.477 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion: 43 Resp: 180059

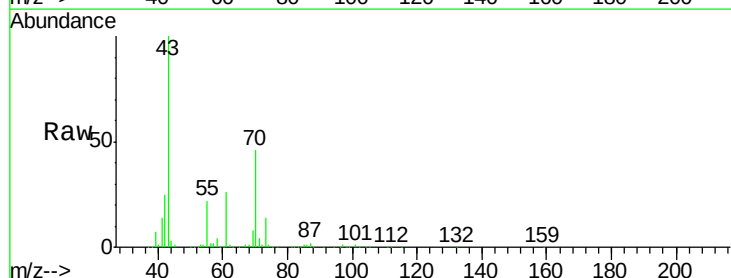
Ion Ratio Lower Upper

43 100

70 45.4 35.9 53.9

55 22.9 18.3 27.5

61 25.7 20.7 31.1

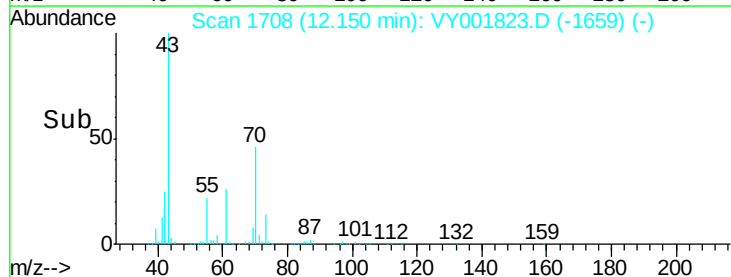
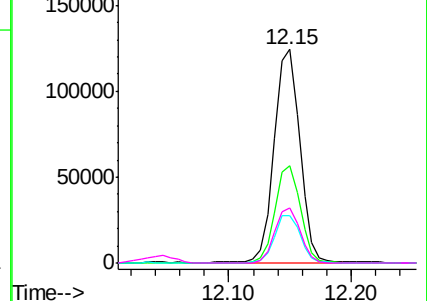


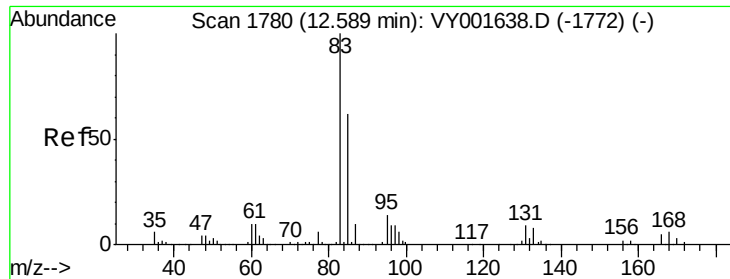
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 54.487 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

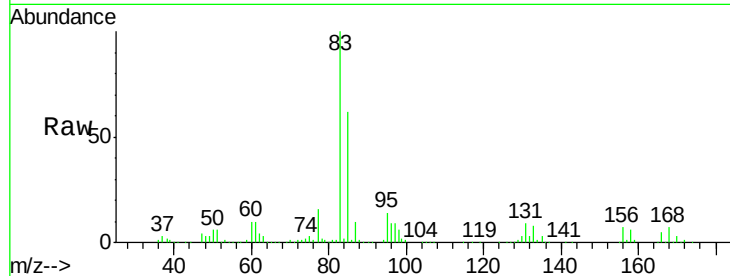
ClientSampleId :

VSTDCCC050EC

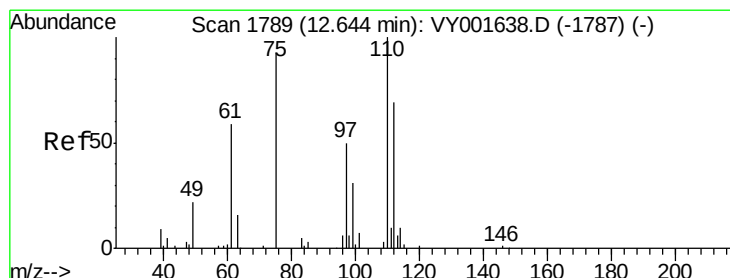
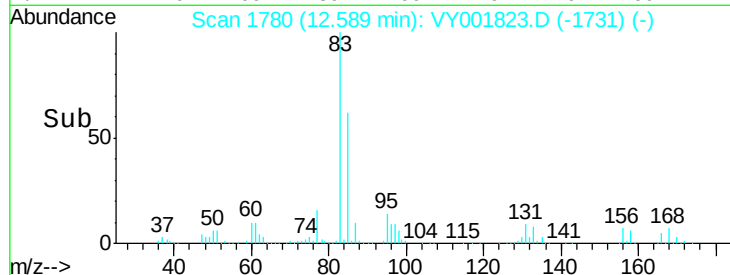
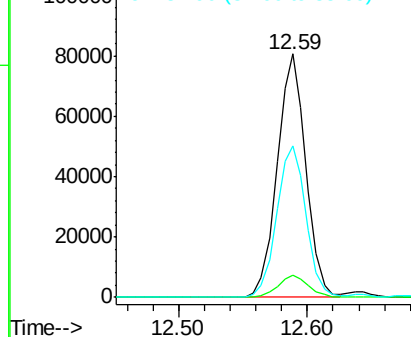
Tot Ion:	83	Resp:	125080
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	63.6	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 52.077 ug/l m

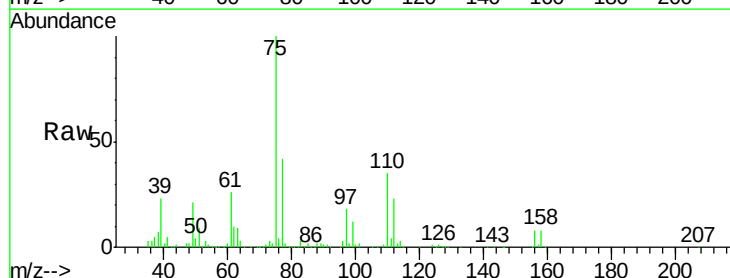
RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

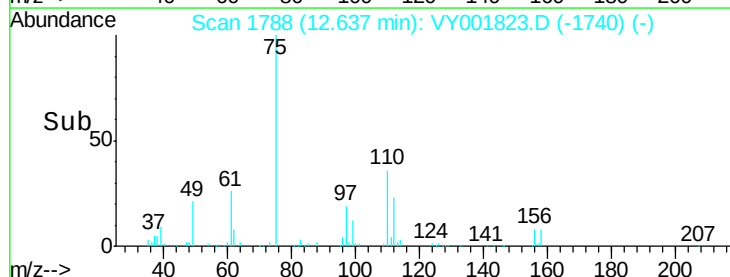
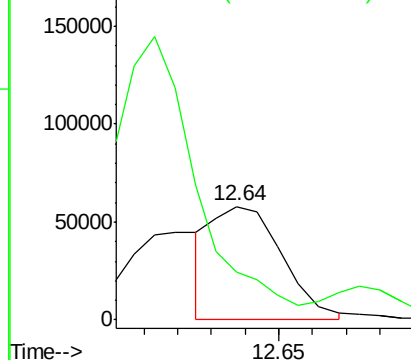
Lab File: VY001823.D

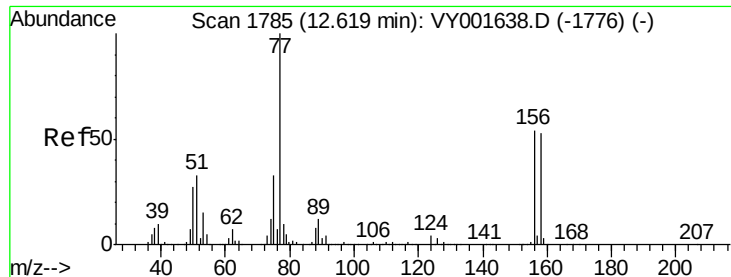
Acq: 02 Mar 2020 17:04

Tgt Ion:	75	Resp:	84308
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





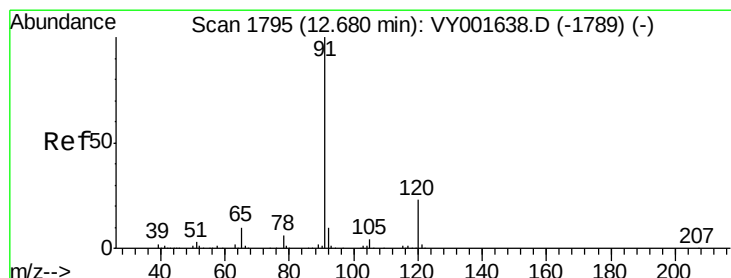
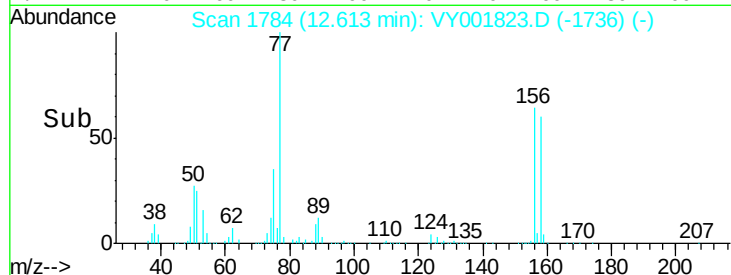
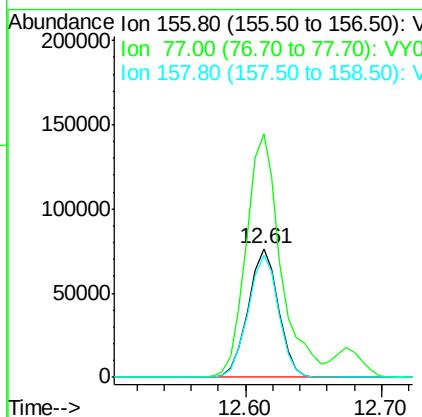
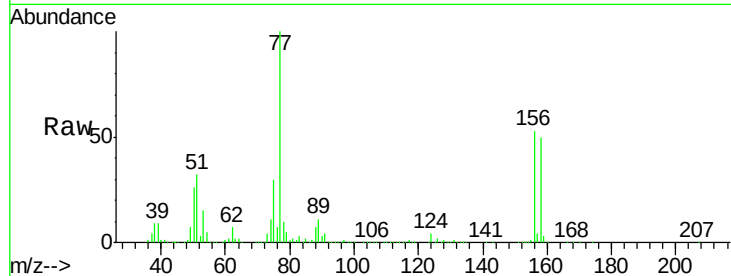
#77
Bromobenzene
Concen: 51.193 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.7	110.1	330.1
158	95.6	47.9	143.7

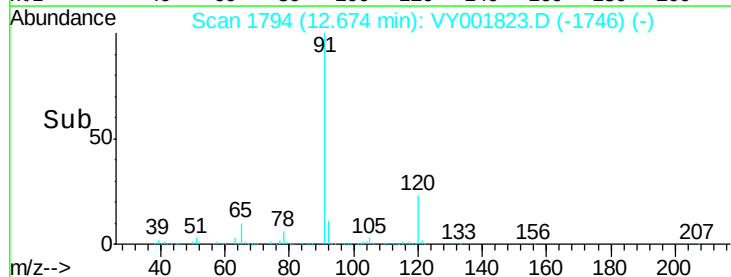
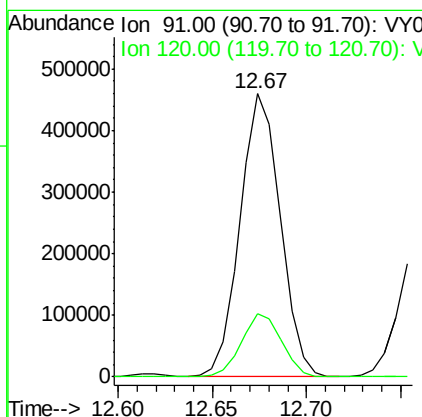
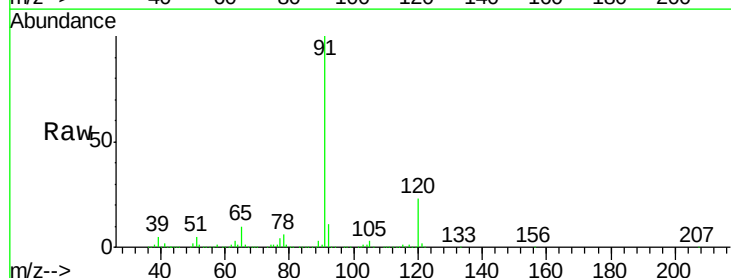
Manual Integrations
APPROVED

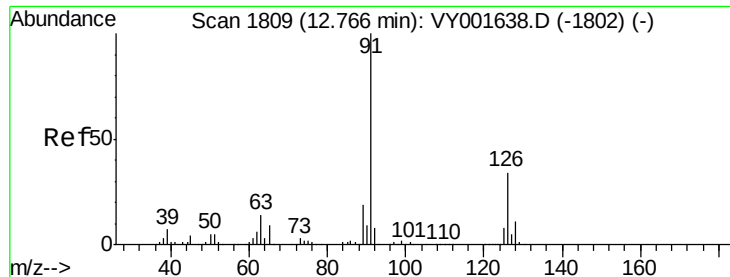
MMDadoda
3/3/2020 11:11:44 AM



#78
n-propylbenzene
Concen: 51.983 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 51.909 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 381224

Ion Ratio Lower Upper

91 100

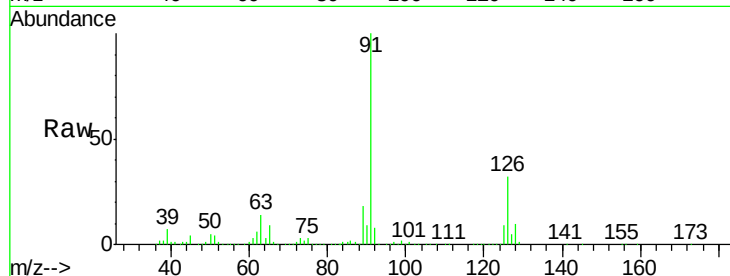
126 32.5 16.2 48.6

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:11:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001638.D (-1802) (-)

400000

300000

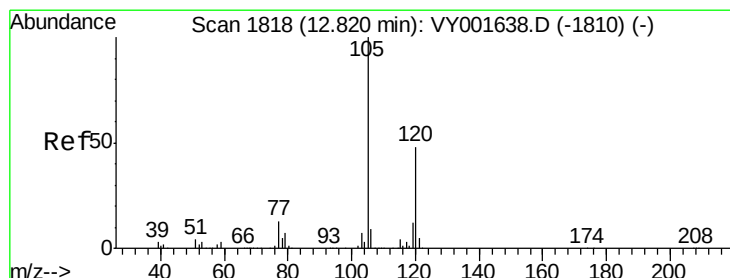
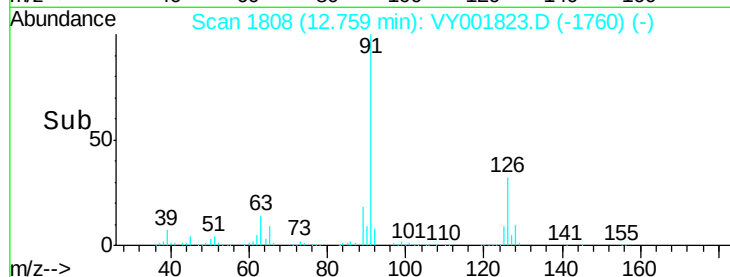
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.911 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001823.D

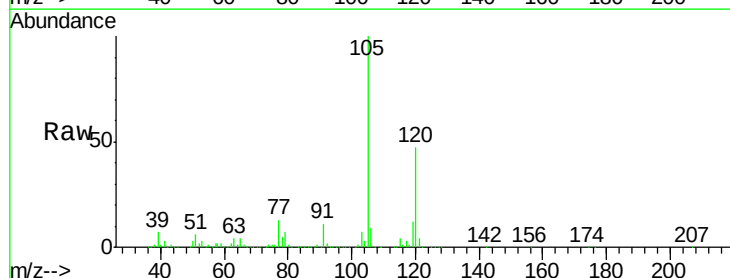
Acq: 02 Mar 2020 17:04

Tgt Ion: 105 Resp: 461993

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)

300000

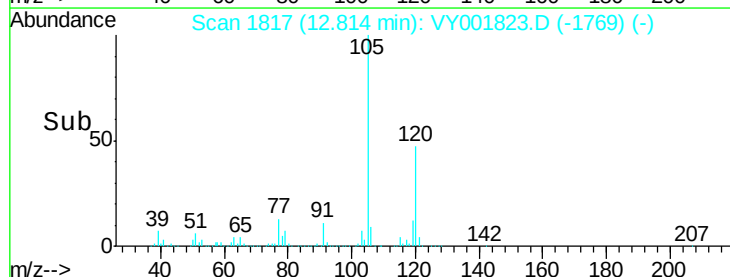
200000

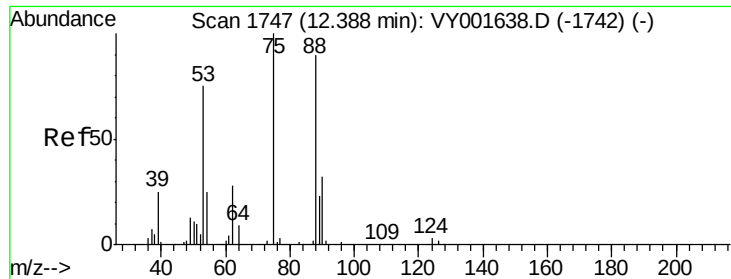
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.381 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

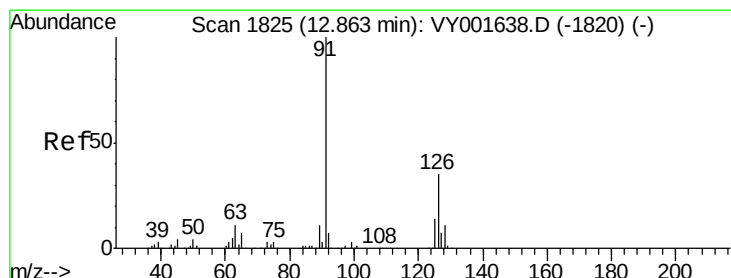
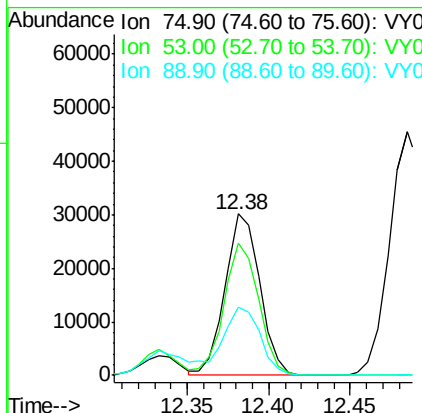
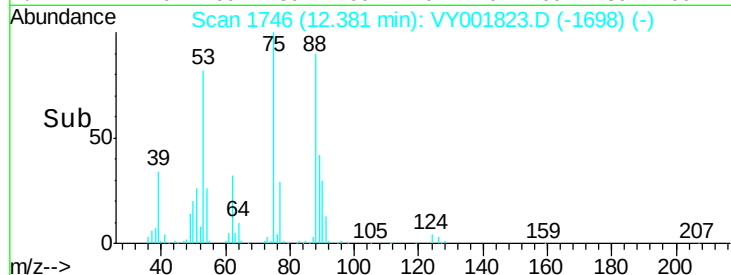
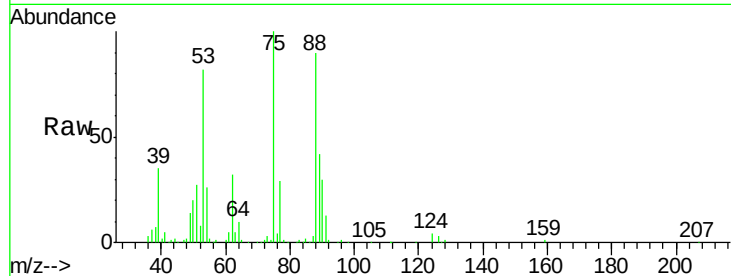
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	44698
Ion	Ratio	Lower	Upper
75	100		
53	82.5	64.5	96.7
89	42.9	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM



#82

4-Chlorotoluene

Concen: 51.522 ug/l

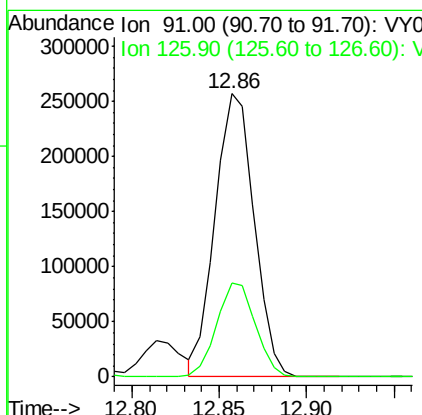
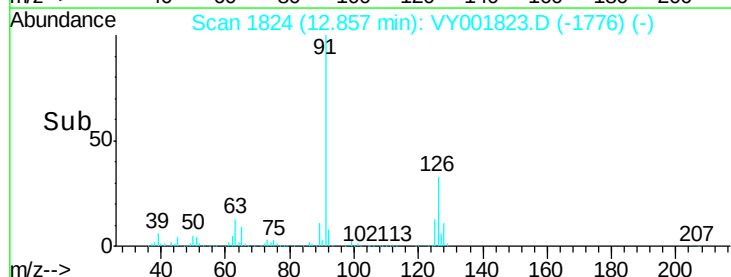
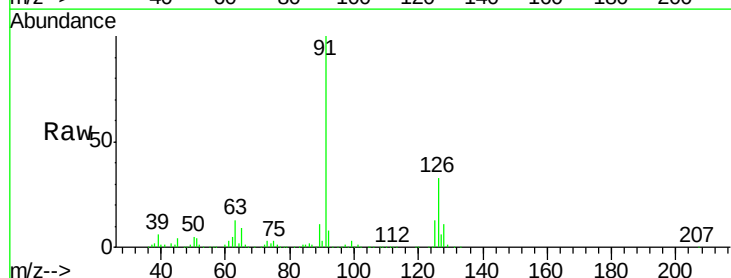
RT: 12.86 min Scan# 1824

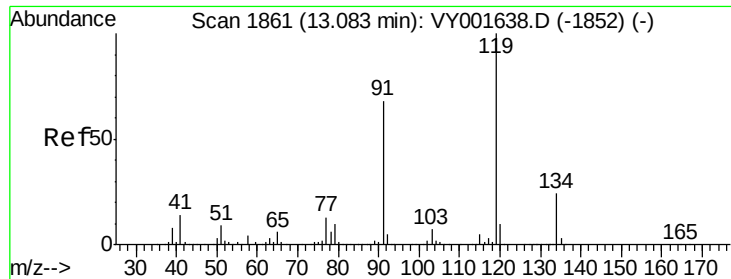
Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion:	91	Resp:	399071
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6





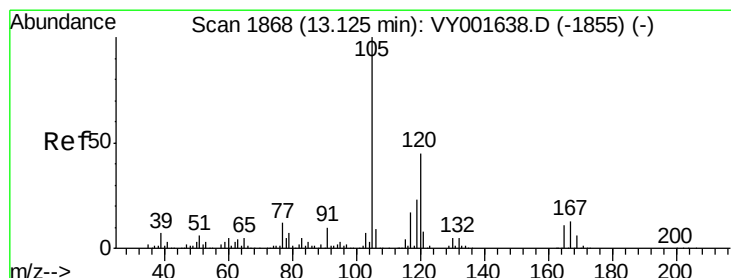
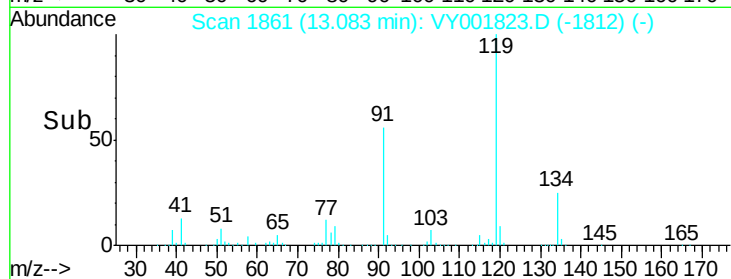
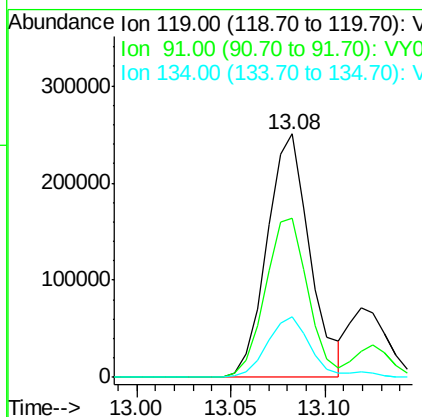
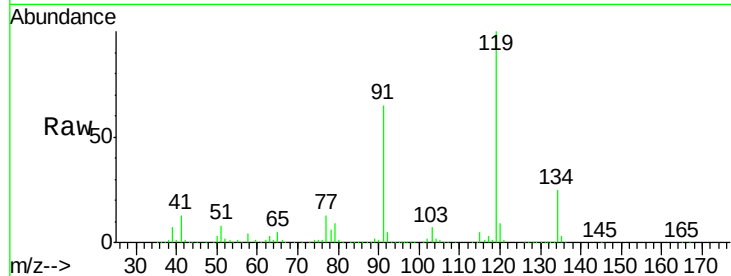
#83
 tert-Butylbenzene
 Concen: 52.993 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.5	100.5
134	26.0	13.3	39.8

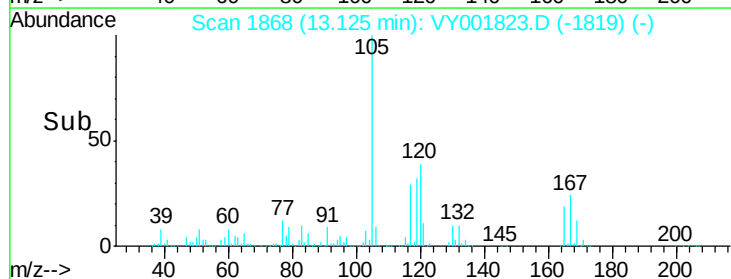
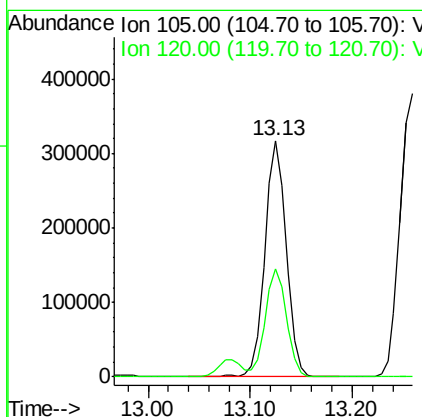
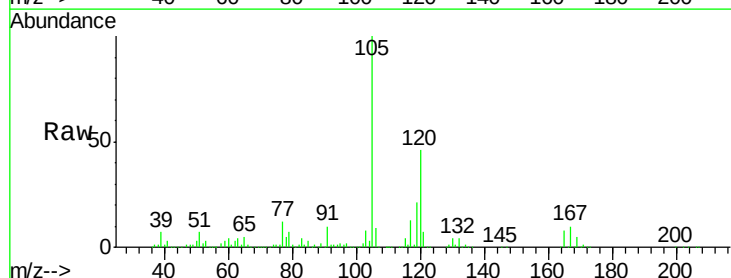
Manual Integrations
 APPROVED

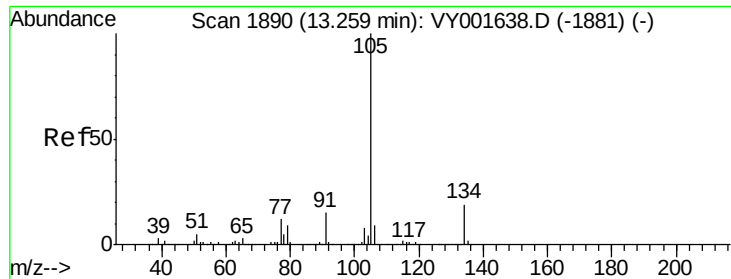
MMDadoda
 3/3/2020 11:11:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.105 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





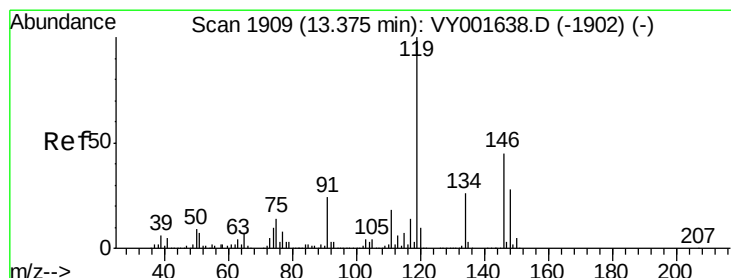
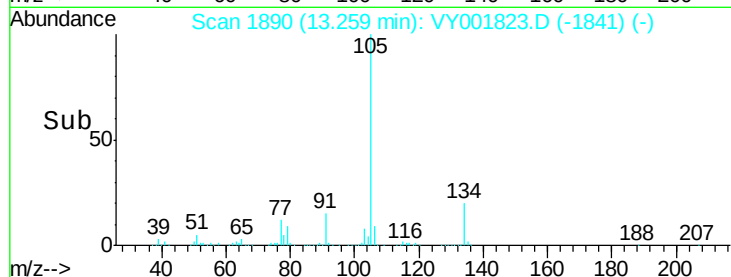
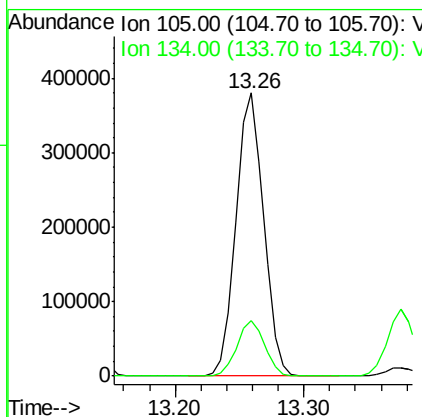
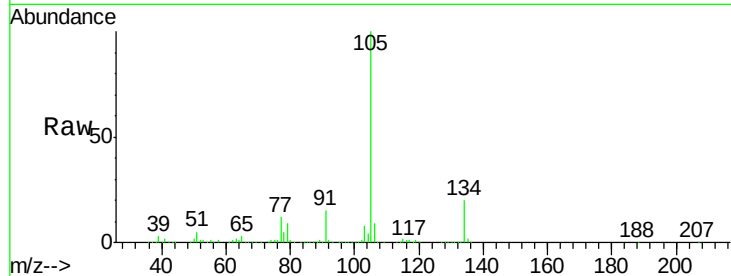
#85
 sec-Butylbenzene
 Concen: 51.649 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

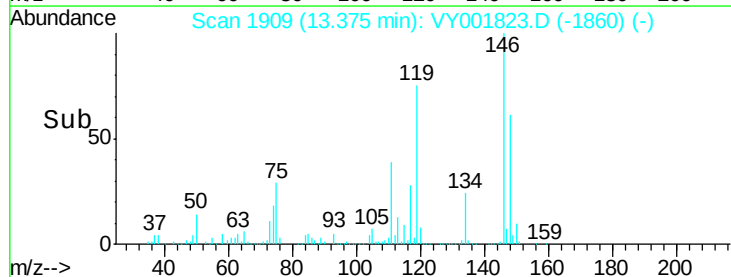
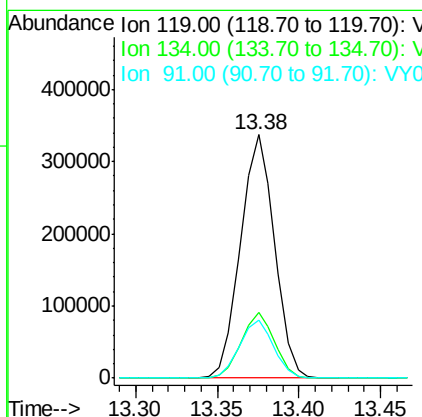
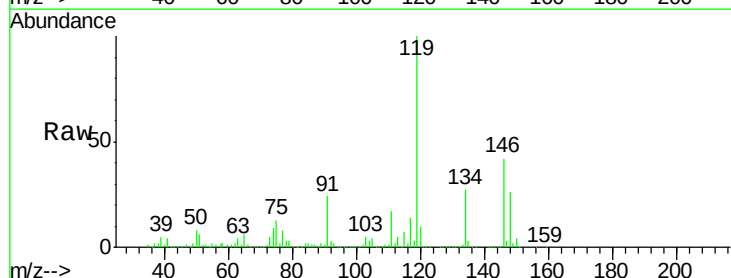
Manual Integrations
 APPROVED

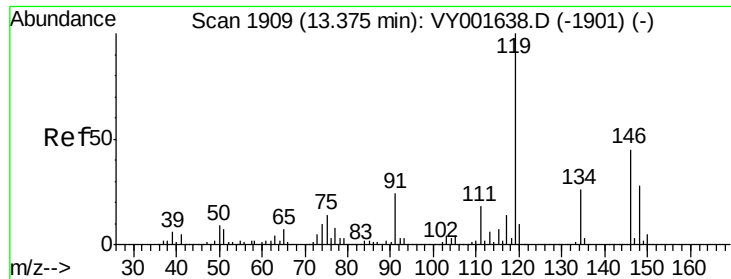
MMDadoda
 3/3/2020 11:11:44 AM



#86
 p-Isopropyltoluene
 Concen: 51.555 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	23.8	12.2	36.6





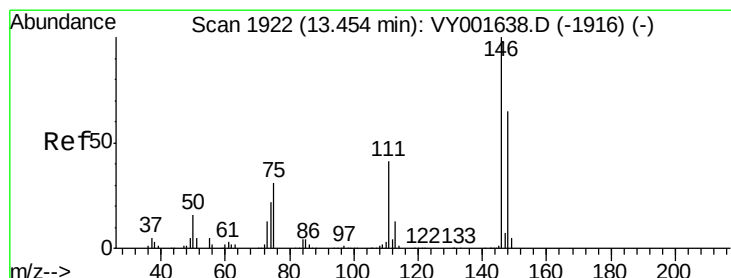
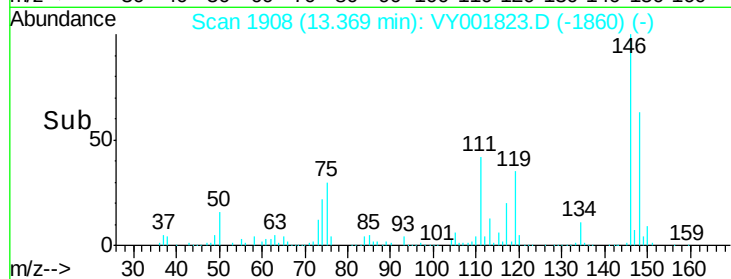
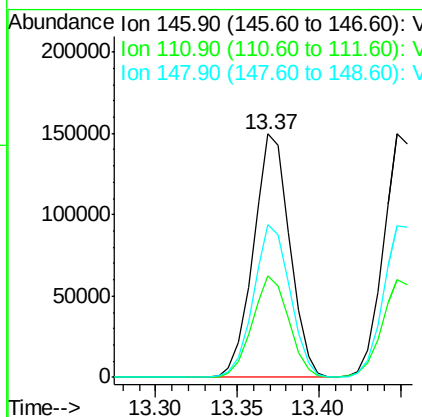
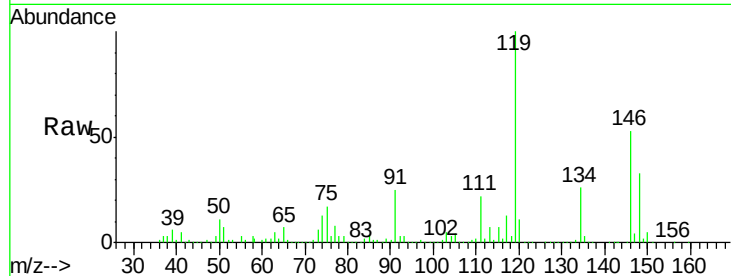
#87
 1,3-Dichlorobenzene
 Concen: 51.113 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.4	64.3
148	62.7	31.6	94.7

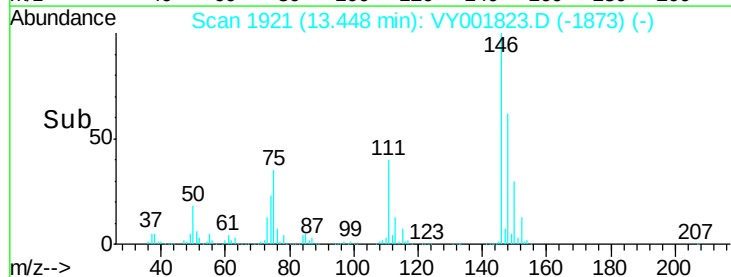
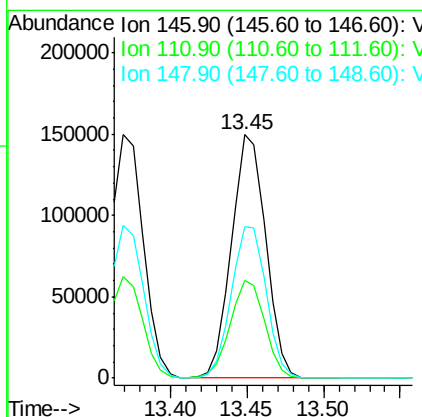
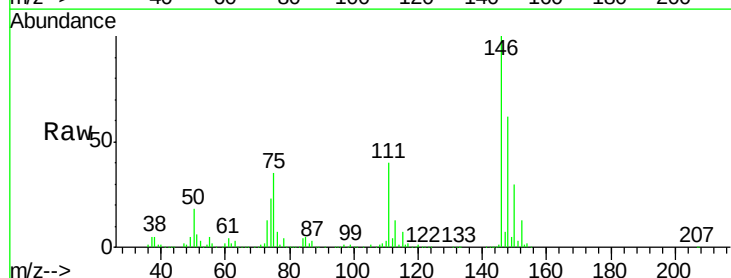
Manual Integrations
 APPROVED

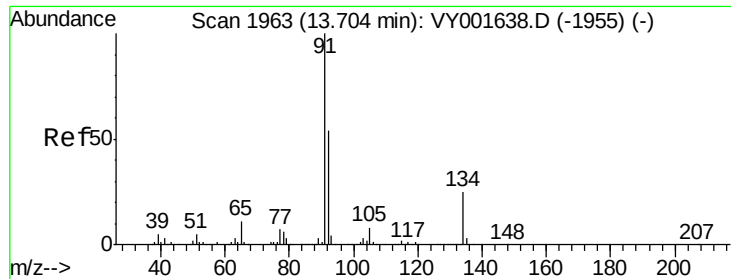
MMDadoda
 3/3/2020 11:11:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.909 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	63.2	31.6	94.7





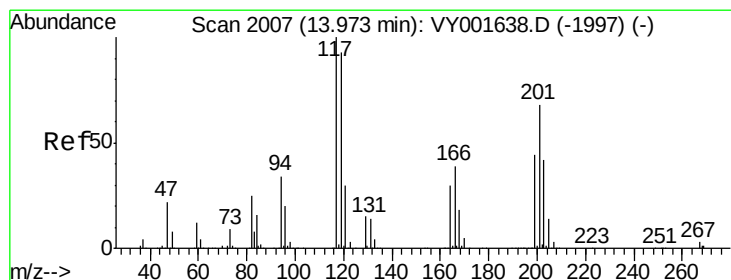
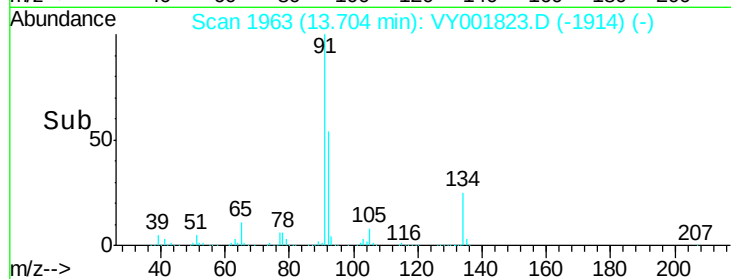
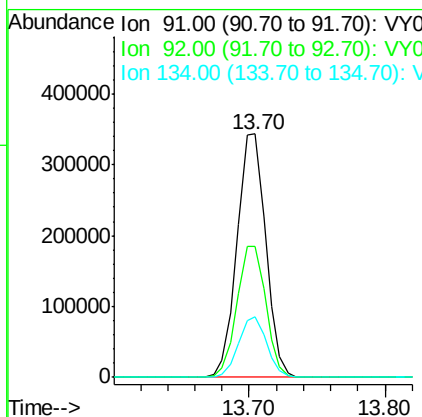
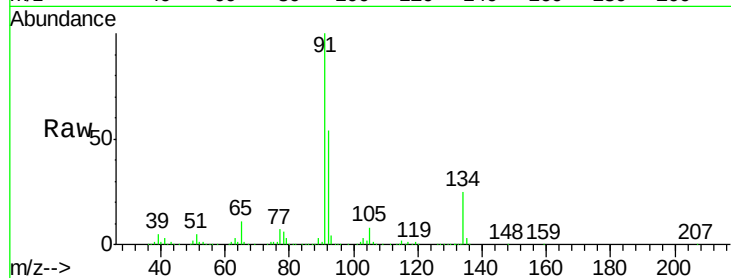
#89
n-Butylbenzene
Concen: 52.007 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	24.6	12.4	37.4

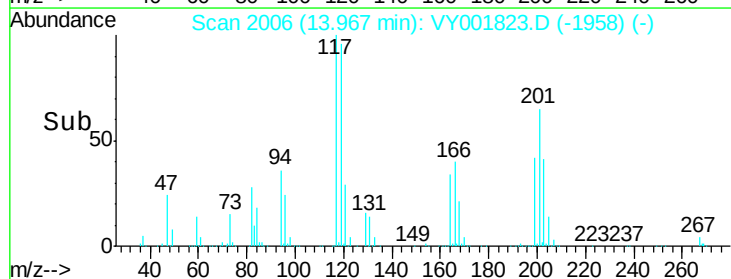
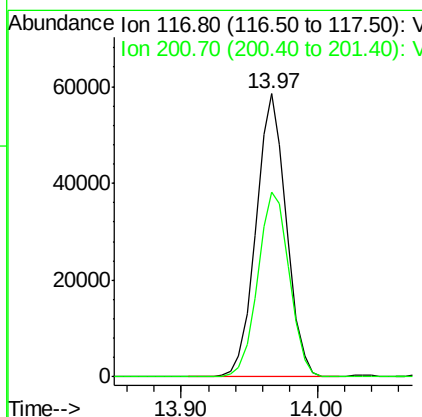
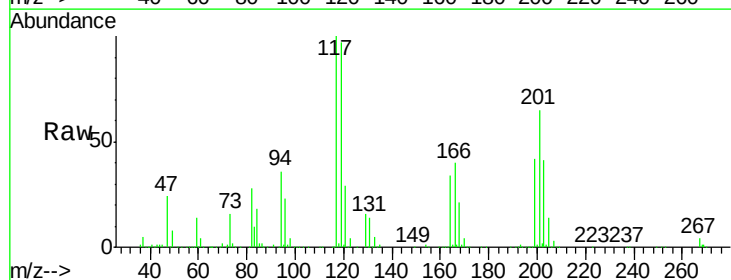
Manual Integrations
APPROVED

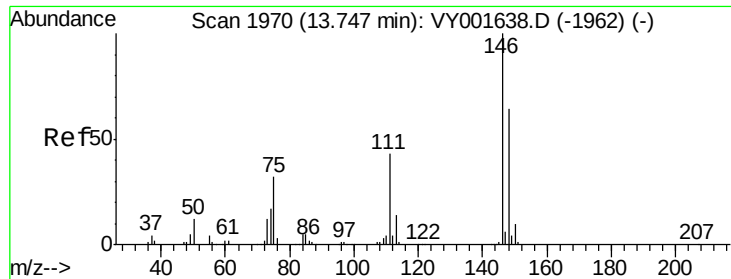
MMDadoda
3/3/2020 11:11:44 AM



#90
Hexachloroethane
Concen: 51.136 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.5	97.4





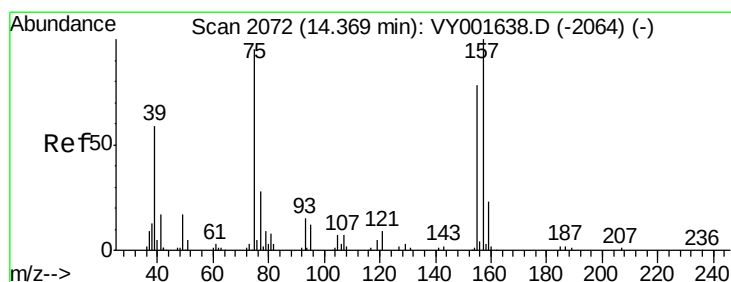
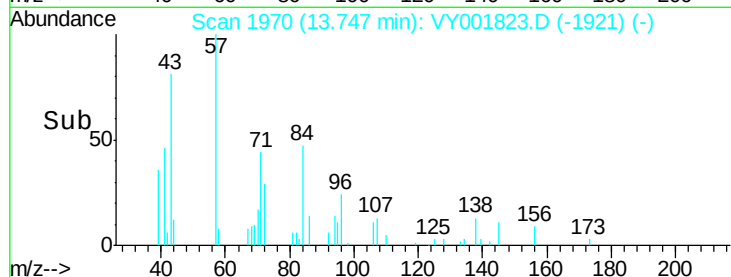
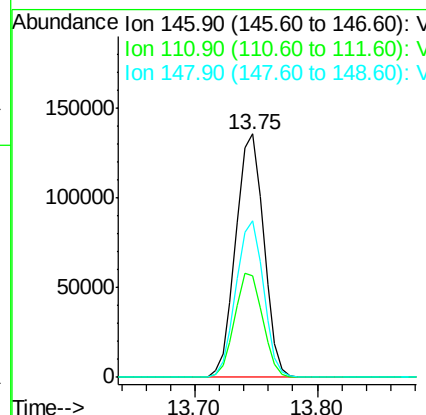
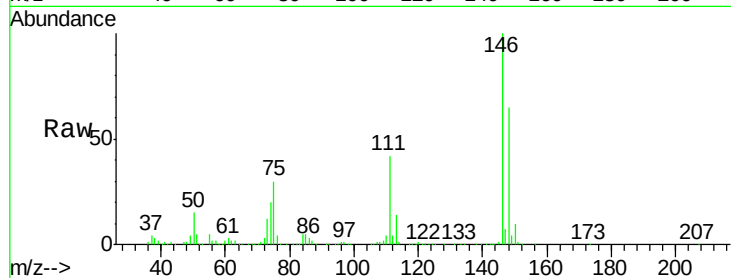
#91
 1,2-Dichlorobenzene
 Concen: 51.284 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.7
148	63.3	31.5	94.5

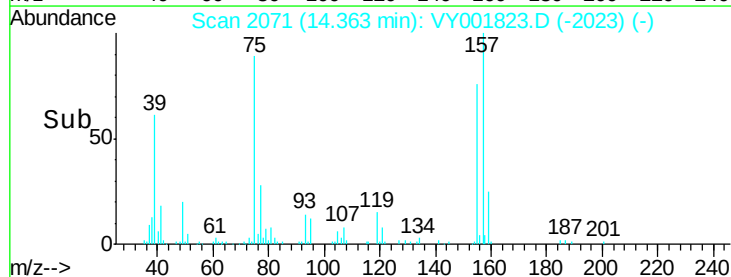
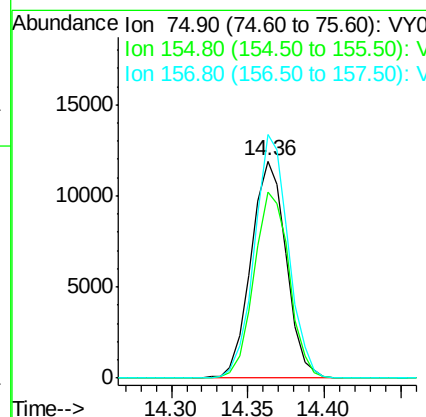
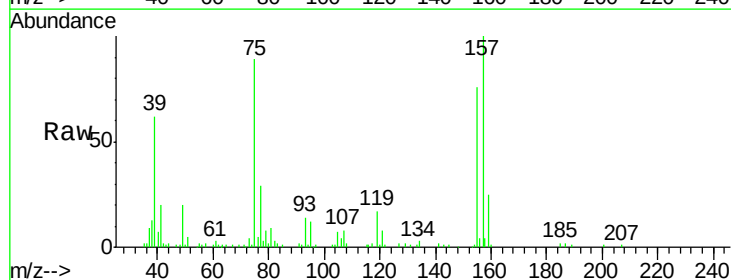
Manual Integrations
 APPROVED

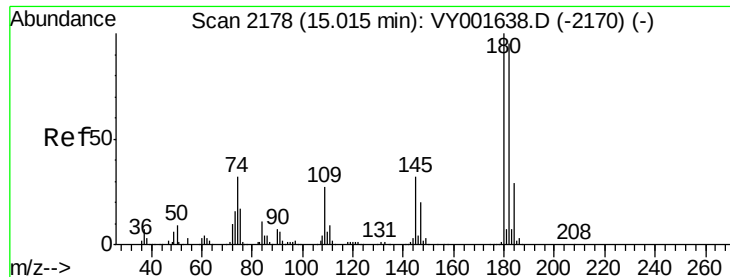
MMDadoda
 3/3/2020 11:11:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.101 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	40.8	122.4
157	108.1	52.1	156.4





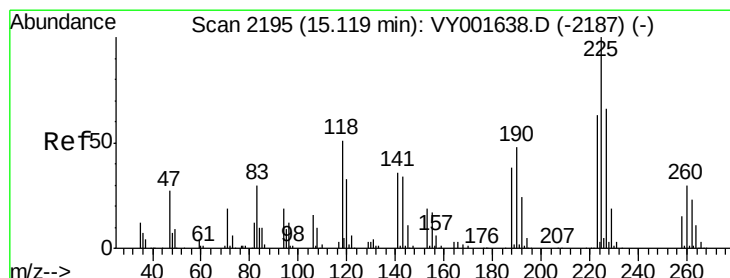
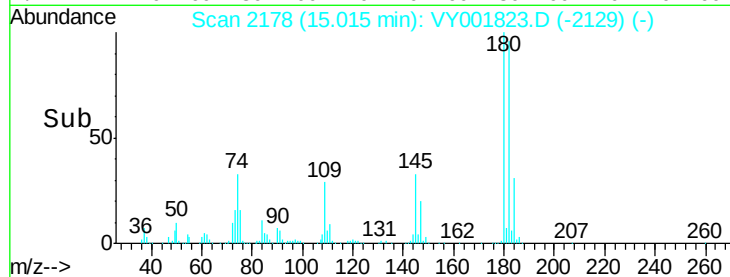
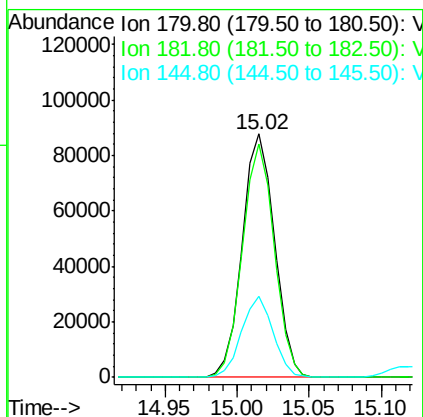
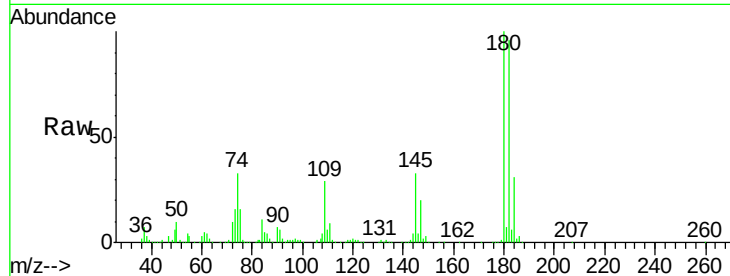
#93
 1,2,4-Trichlorobenzene
 Concen: 49.313 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.3
145	32.8	16.2	48.5

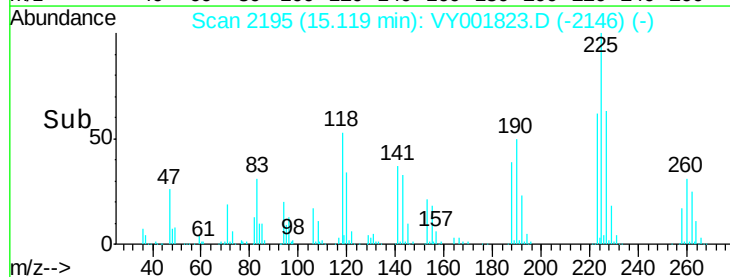
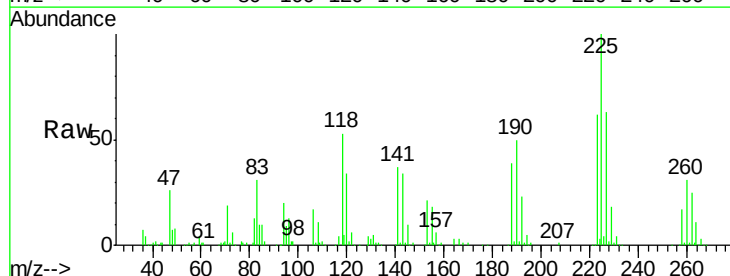
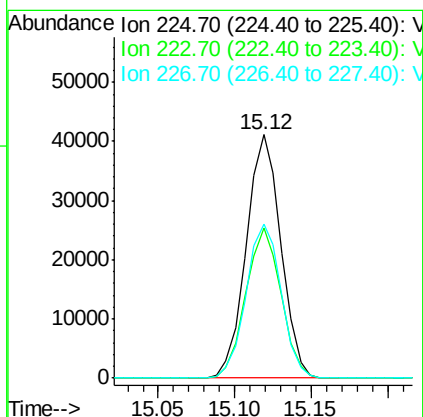
Manual Integrations
 APPROVED

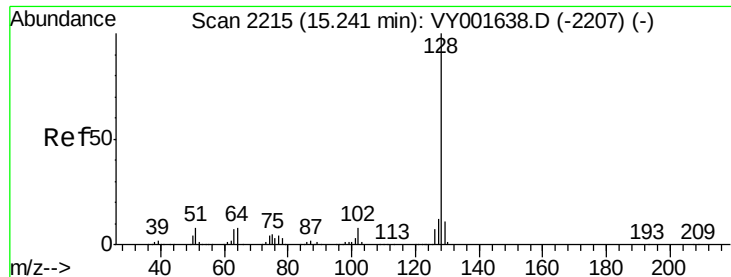
MMDadoda
 3/3/2020 11:11:44 AM



#94
 Hexachlorobutadiene
 Concen: 47.066 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	64.2	31.6	94.8





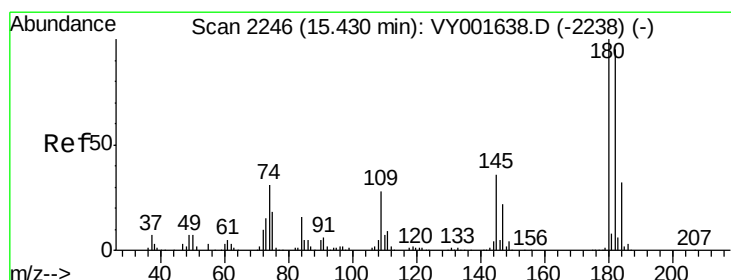
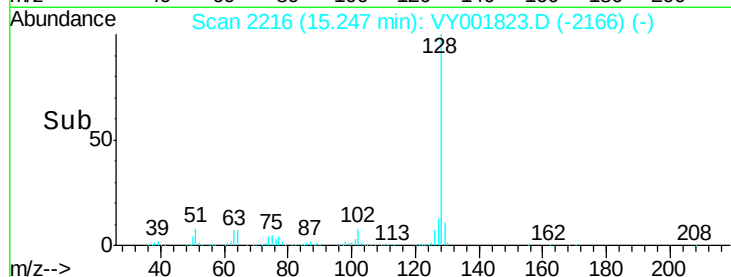
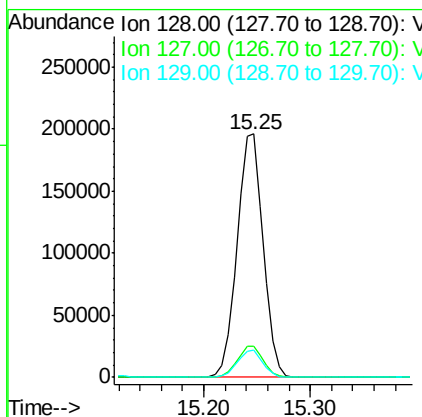
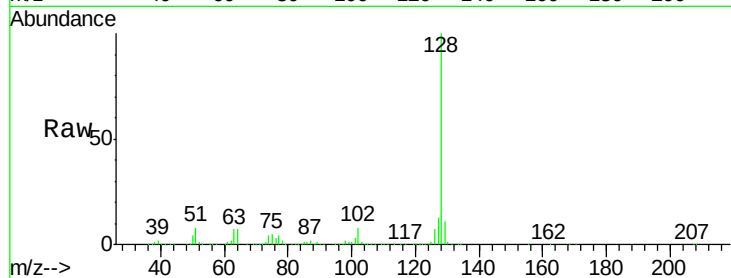
#95
Naphthalene
Concen: 52.855 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	336880		
127	12.7		9.9	14.9
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:11:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.250 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	122206		
182	94.1		47.2	141.6
145	33.9		17.3	52.0

