

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
 Data File : VY001422.D
 Acq On : 29 Jan 2020 16:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:33 AM

Quant Time: Jan 29 17:00:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	182408	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	324995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	288575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	138200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	104107	52.45	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.90%	
35) Dibromofluoromethane	7.74	113	98791	51.79	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.58%	
50) Toluene-d8	10.19	98	401903	54.23	ug/l	0.00
Spiked Amount						
			Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.49	95	152156	51.56	ug/l	0.00
Spiked Amount						
			Recovery	=	103.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	75174	52.259	ug/l	99
3) Chloromethane	2.13	50	110070	50.628	ug/l	99
4) Vinyl Chloride	2.27	62	115384	50.899	ug/l	93
5) Bromomethane	2.67	94	77971	51.070	ug/l	99
6) Chloroethane	2.82	64	76566	52.857	ug/l	99
7) Trichlorofluoromethane	3.15	101	157868	54.429	ug/l	97
8) Diethyl Ether	3.55	74	64036	52.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	101397	54.895	ug/l	99
10) Methyl Iodide	4.13	142	128322	52.673	ug/l	100
11) Tert butyl alcohol	5.00	59	55093	218.327	ug/l	99
12) 1,1-Dichloroethene	3.90	96	103004	53.185	ug/l	95
13) Acrolein	3.76	56	35856	243.208	ug/l	98
14) Allyl chloride	4.51	41	186413	53.974	ug/l	100
15) Acrylonitrile	5.20	53	168541	268.915	ug/l	100
16) Acetone	3.98	43	155624	299.125	ug/l	97
17) Carbon Disulfide	4.22	76	305456	50.148	ug/l	100
18) Methyl Acetate	4.51	43	85924	51.334	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	302838	53.404	ug/l	99
20) Methylene Chloride	4.75	84	128486	52.646	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	116487	51.780	ug/l	99
22) Diisopropyl ether	6.14	45	395670	53.950	ug/l	97
23) Vinyl Acetate	6.09	43	1289924	270.918	ug/l	99
24) 1,1-Dichloroethane	6.05	63	212174	54.886	ug/l	97
25) 2-Butanone	7.02	43	231563	268.038	ug/l	100
26) 2,2-Dichloropropane	7.01	77	180275	52.354	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	135495	53.892	ug/l	98
28) Bromochloromethane	7.36	49	96845	60.748	ug/l	97
29) Tetrahydrofuran	7.37	42	147988	263.298	ug/l	99
30) Chloroform	7.53	83	205197	54.155	ug/l	99
31) Cyclohexane	7.80	56	198539	51.728	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	177027	55.332	ug/l	98
36) 1,1-Dichloropropene	7.94	75	163030	53.097	ug/l	99
37) Ethyl Acetate	7.10	43	99343	52.957	ug/l	99
38) Carbon Tetrachloride	7.92	117	147652	53.958	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
 Data File : VY001422.D
 Acq On : 29 Jan 2020 16:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:33 AM

Quant Time: Jan 29 17:00:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	206237	52.433	ug/l	98
40) Benzene	8.18	78	493040	53.555	ug/l	98
41) Methacrylonitrile	7.34	41	55823m	57.666	ug/l	
42) 1,2-Dichloroethane	8.25	62	136174	52.936	ug/l	100
43) Isopropyl Acetate	8.29	43	198955	54.543	ug/l	100
44) Trichloroethene	8.95	130	125042	52.929	ug/l	98
45) 1,2-Dichloropropane	9.23	63	125716	54.018	ug/l	99
46) Dibromomethane	9.31	93	66376	53.125	ug/l	98
47) Bromodichloromethane	9.50	83	160082	53.597	ug/l	96
48) Methyl methacrylate	9.30	41	89246	53.819	ug/l	98
49) 1,4-Dioxane	9.31	88	17957	1019.165	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	507847	270.345	ug/l	100
52) Toluene	10.25	92	311080	53.304	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	178279	53.852	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	204597	53.844	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	97970	53.125	ug/l	95
56) Ethyl methacrylate	10.52	69	151051	54.193	ug/l	99
57) 1,3-Dichloropropane	10.80	76	174515	54.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	234914	243.563	ug/l	100
59) 2-Hexanone	10.84	43	366536	280.276	ug/l	99
60) Dibromochloromethane	10.99	129	111552	54.084	ug/l	99
61) 1,2-Dibromoethane	11.10	107	94640	54.286	ug/l	100
64) Tetrachloroethene	10.72	164	95643	51.886	ug/l	98
65) Chlorobenzene	11.52	112	324227	53.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	112158	54.030	ug/l	98
67) Ethyl Benzene	11.60	91	601570	53.665	ug/l	98
68) m/p-Xylenes	11.70	106	444065	106.065	ug/l	99
69) o-Xylene	12.03	106	215836	53.589	ug/l	99
70) Styrene	12.05	104	386391	54.678	ug/l	98
71) Bromoform	12.21	173	66506	53.671	ug/l #	100
73) Isopropylbenzene	12.33	105	572251	52.475	ug/l	100
74) N-amyl acetate	12.14	43	195666	54.814	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	127317	54.514	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	85401m	51.282	ug/l	
77) Bromobenzene	12.61	156	127833	52.924	ug/l	98
78) n-propylbenzene	12.67	91	701430	53.439	ug/l	99
79) 2-Chlorotoluene	12.76	91	397353	52.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	479906	52.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48006	54.552	ug/l	97
82) 4-Chlorotoluene	12.86	91	419133	52.328	ug/l	100
83) tert-Butylbenzene	13.08	119	412620	53.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	478263	52.333	ug/l	99
85) sec-Butylbenzene	13.26	105	582651	53.446	ug/l	99
86) p-Isopropyltoluene	13.38	119	504346	52.498	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	244708	52.605	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	247722	52.448	ug/l	99
89) n-Butylbenzene	13.70	91	517308	53.504	ug/l	99
90) Hexachloroethane	13.97	117	98862	54.289	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	227990	53.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21297	52.845	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
Data File : VY001422.D
Acq On : 29 Jan 2020 16:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

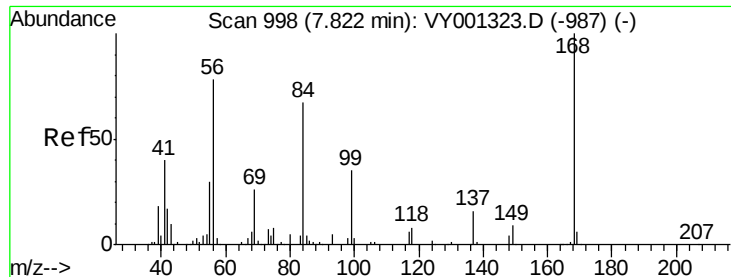
Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM

Quant Time: Jan 29 17:00:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	143380	49.796	ug/l	100
94) Hexachlorobutadiene	15.12	225	71497	50.997	ug/l	99
95) Naphthalene	15.25	128	350222	53.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	128169	50.744	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 182408

Ion Ratio Lower Upper

168 100

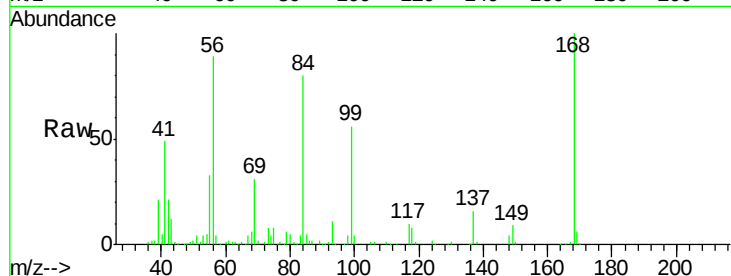
99 55.8 44.3 66.5

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:33 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.81

80000

60000

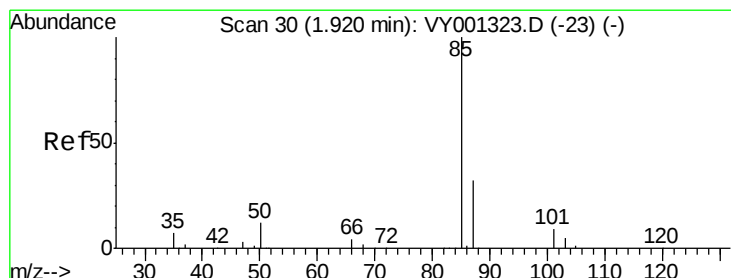
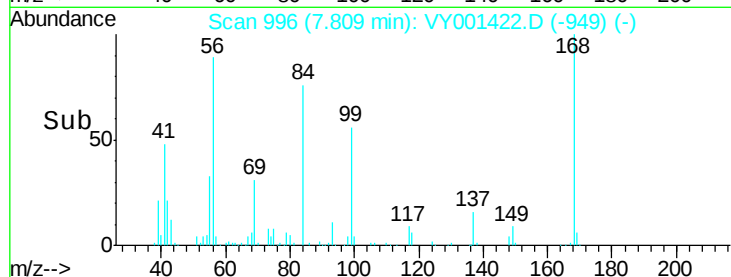
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.259 ug/l

RT: 1.92 min Scan# 30

Delta R.T. -0.00 min

Lab File: VY001422.D

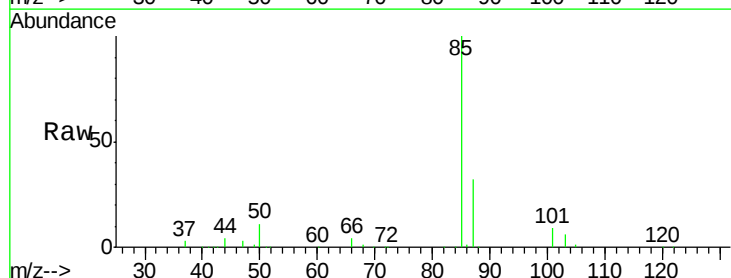
Acq: 29 Jan 2020 16:40

Tgt Ion: 85 Resp: 75174

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001422.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001422.D (-1) (-)

1.92

60000

50000

40000

30000

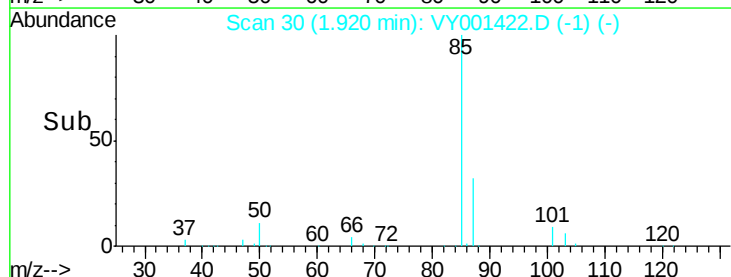
20000

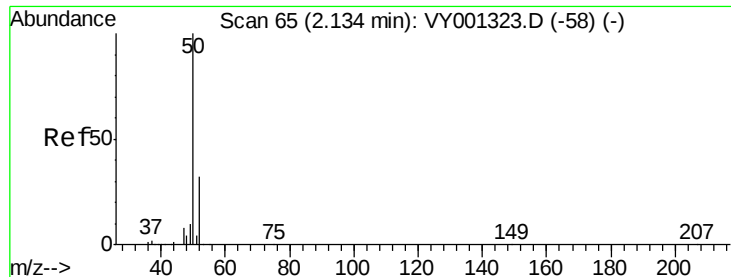
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.628 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110070

Ion Ratio Lower Upper

50 100

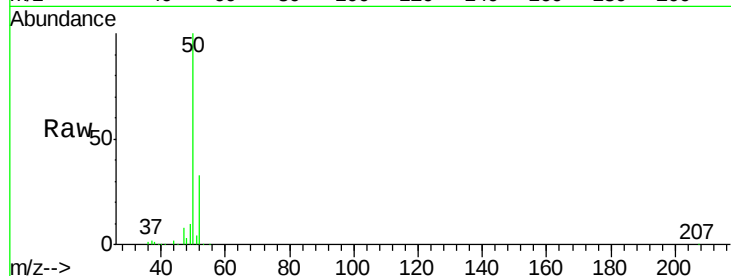
52 32.6 25.7 38.5

Manual Integrations

APPROVED

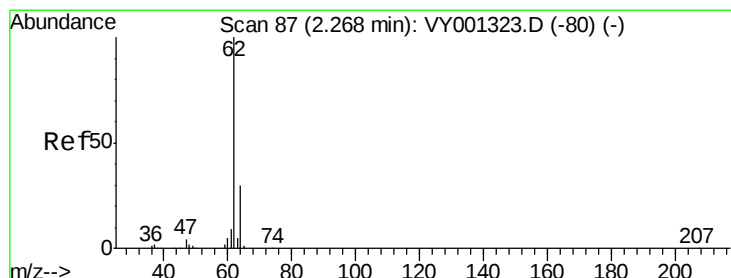
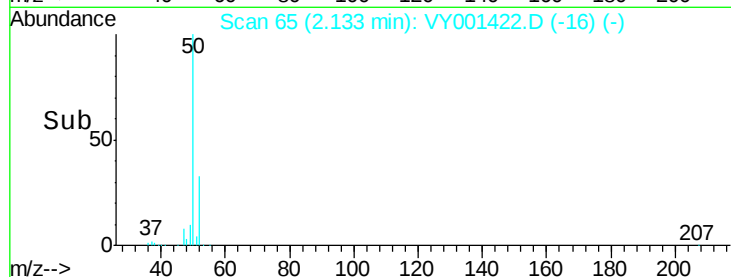
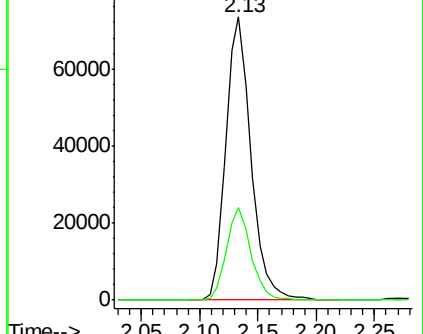
MMDadoda

1/30/2020 10:27:33 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 50.899 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001422.D

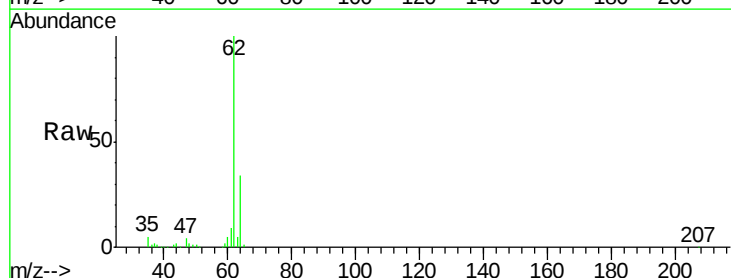
Acq: 29 Jan 2020 16:40

Tgt Ion: 62 Resp: 115384

Ion Ratio Lower Upper

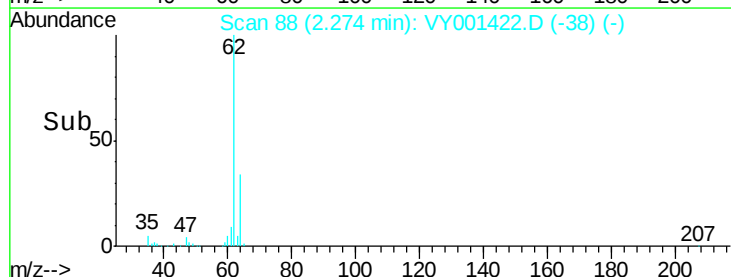
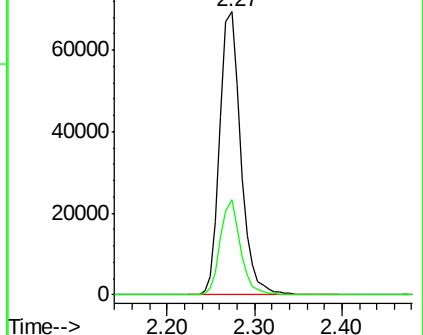
62 100

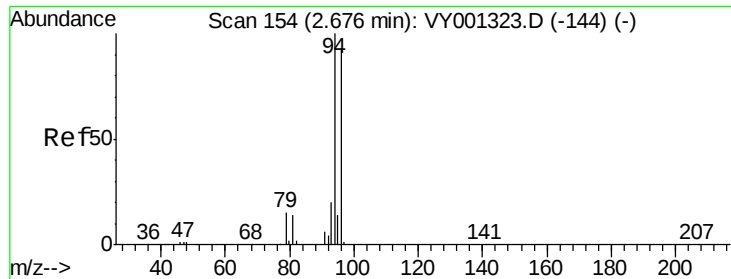
64 33.6 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 51.070 ug/l

RT: 2.67 min Scan# 153

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77971

Ion Ratio Lower Upper

94 100

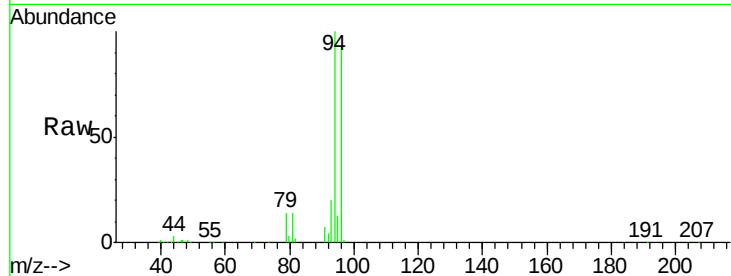
96 92.5 74.6 111.8

Manual Integrations

APPROVED

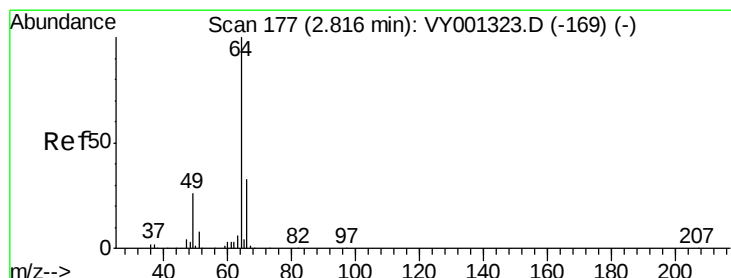
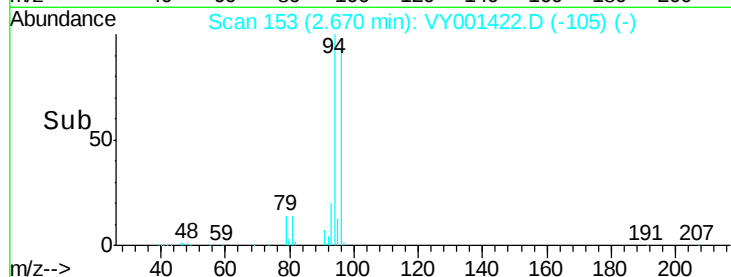
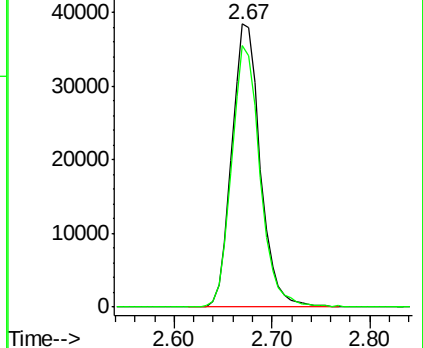
MMDadoda

1/30/2020 10:27:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.857 ug/l

RT: 2.82 min Scan# 177

Delta R.T. -0.00 min

Lab File: VY001422.D

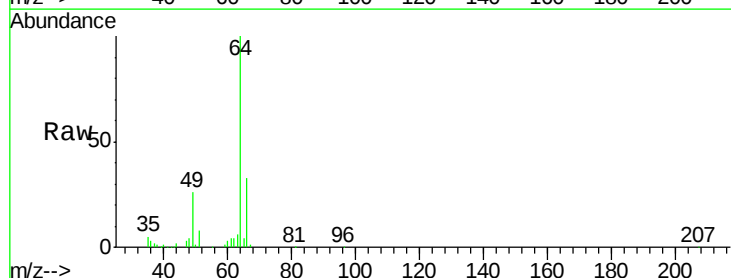
Acq: 29 Jan 2020 16:40

Tgt Ion: 64 Resp: 76566

Ion Ratio Lower Upper

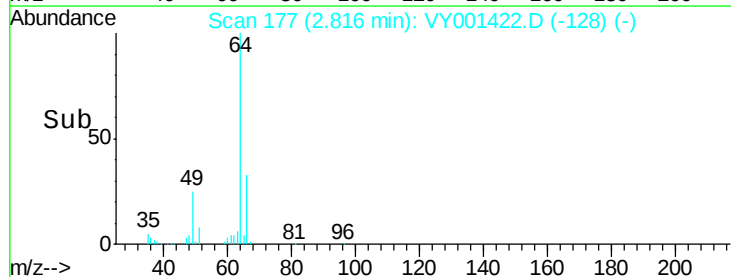
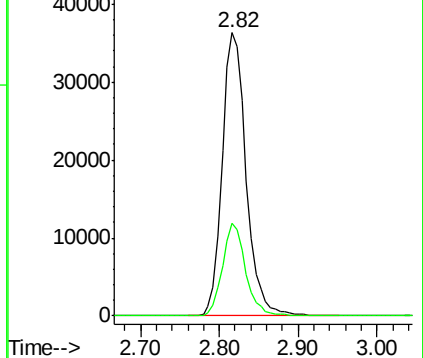
64 100

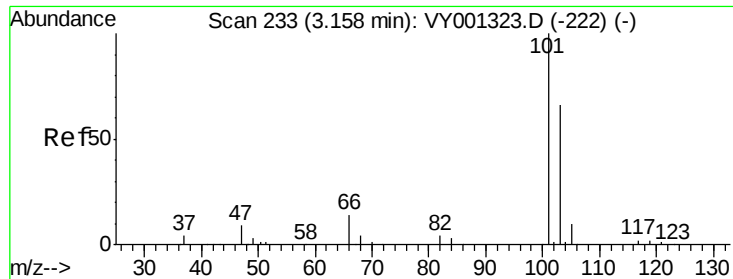
66 32.7 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

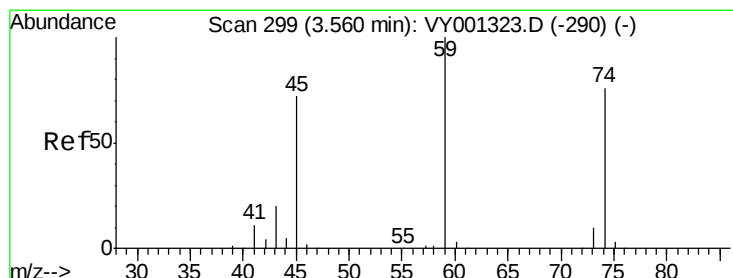
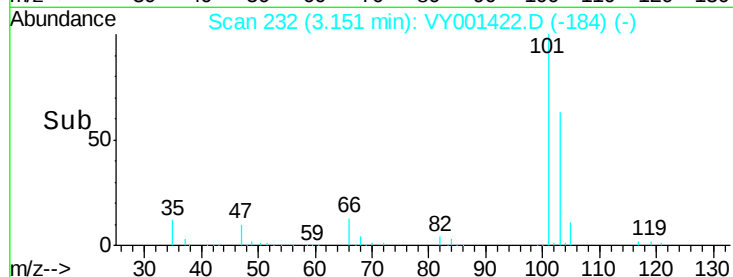
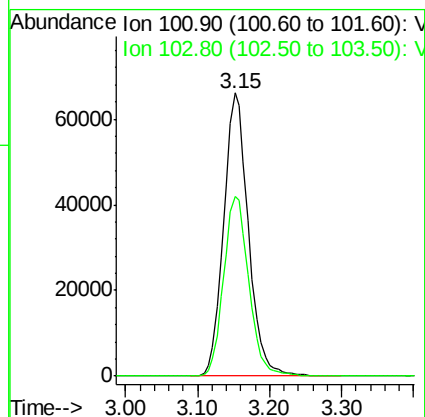
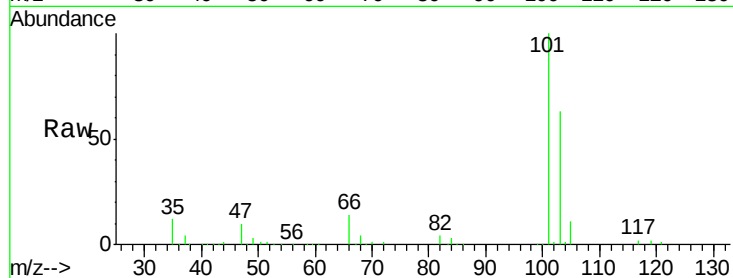
Trichlorofluoromethane
Concen: 54.429 ug/l
RT: 3.15 min Scan# 232
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 157868
Ion Ratio Lower Upper
101 100
103 63.4 52.5 78.7

Manual Integrations
APPROVED

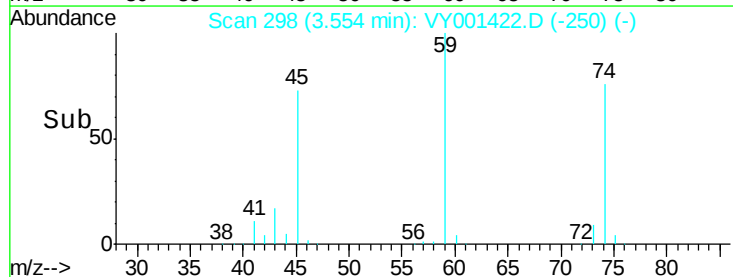
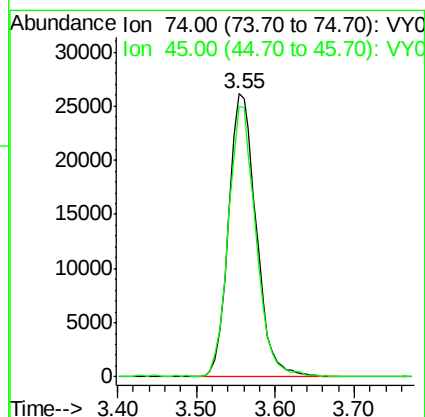
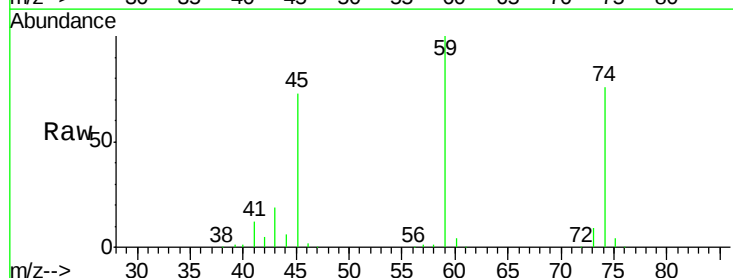
MMDadoda
1/30/2020 10:27:33 AM



#8

Diethyl Ether
Concen: 52.300 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 74 Resp: 64036
Ion Ratio Lower Upper
74 100
45 94.9 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.895 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

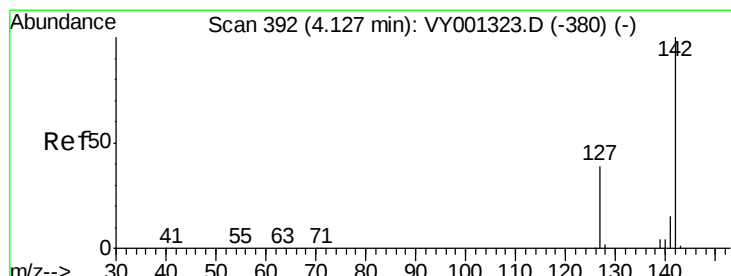
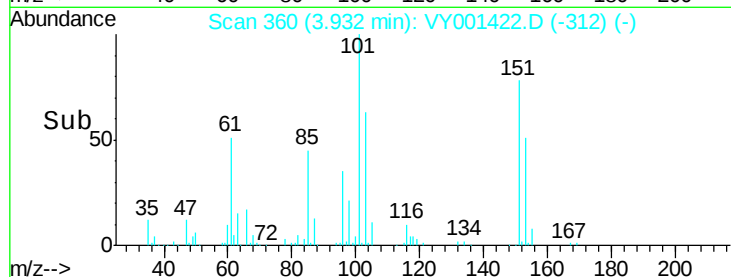
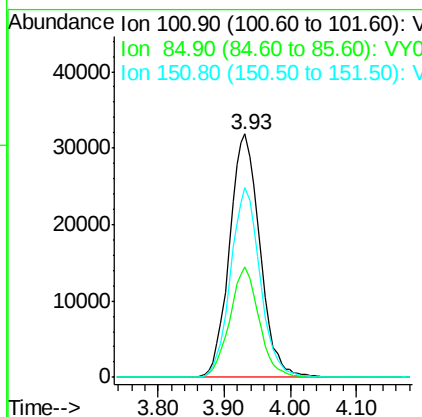
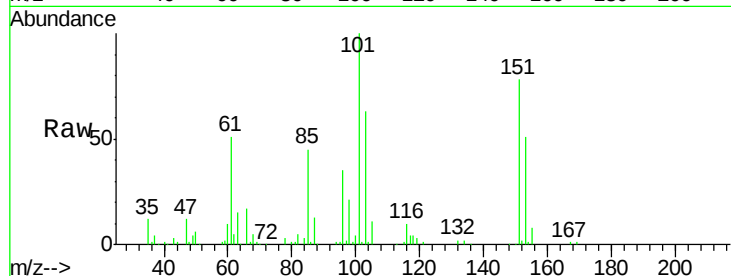
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	101397
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.9	52.3
151	75.9	59.9	89.9

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#10

Methyl Iodide

Concen: 52.673 ug/l

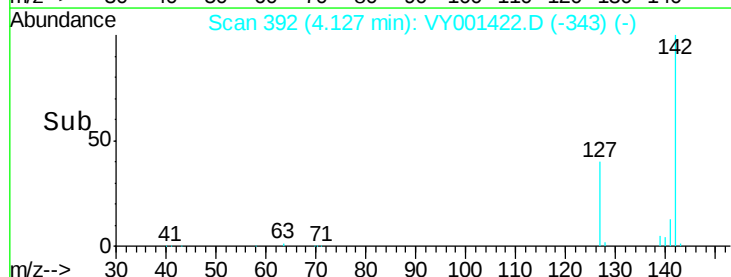
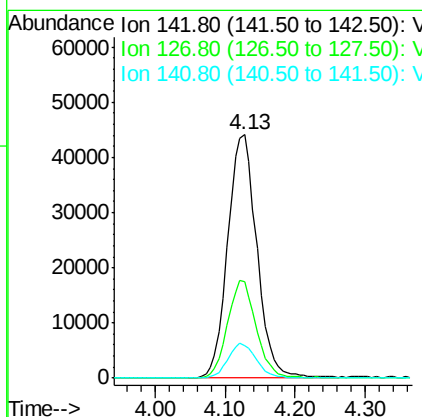
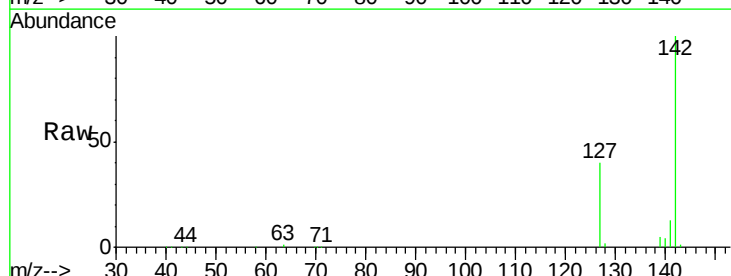
RT: 4.13 min Scan# 392

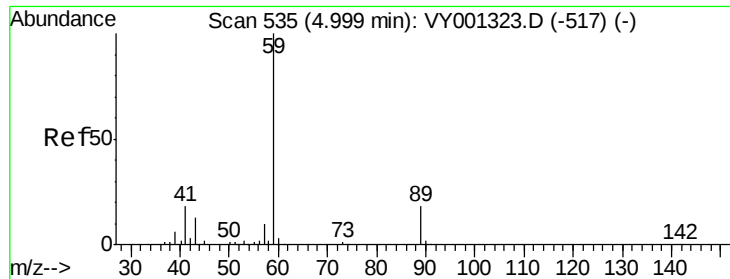
Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion:	142	Resp:	128322
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.6	47.4
141	14.0	11.2	16.8





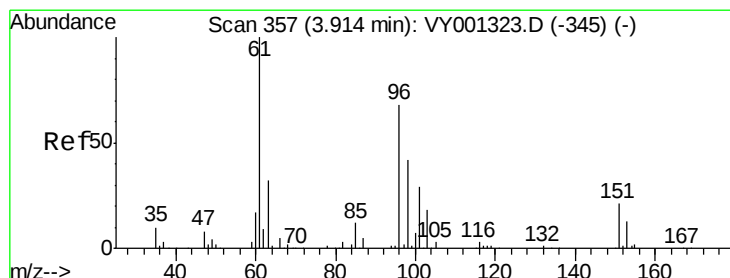
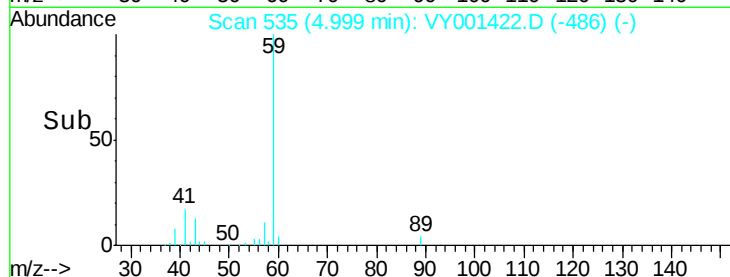
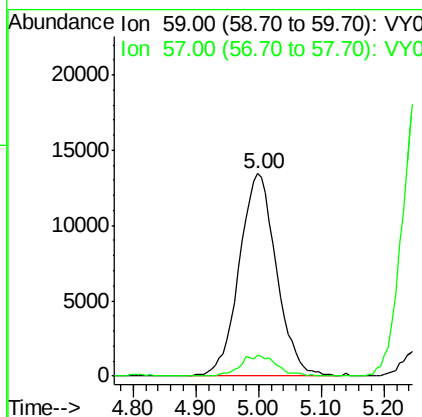
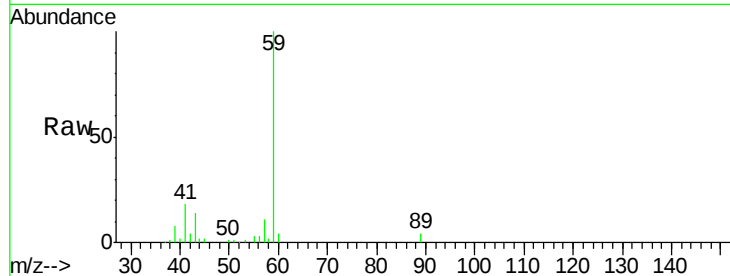
#11
Tert butyl alcohol
Concen: 218.327 ug/l
RT: 5.00 min Scan# 535
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 55093
Ion Ratio Lower Upper
59 100
57 9.8 7.4 11.2

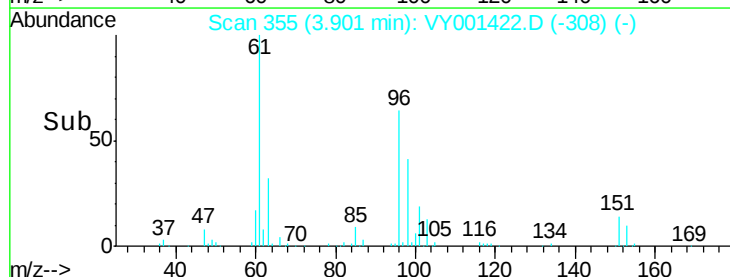
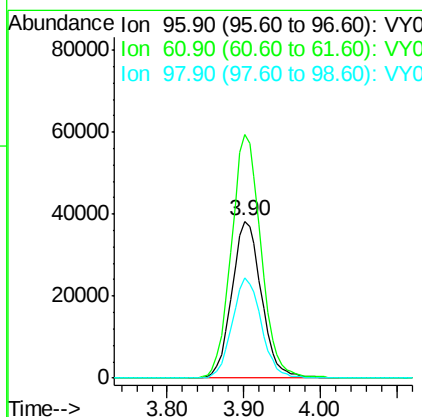
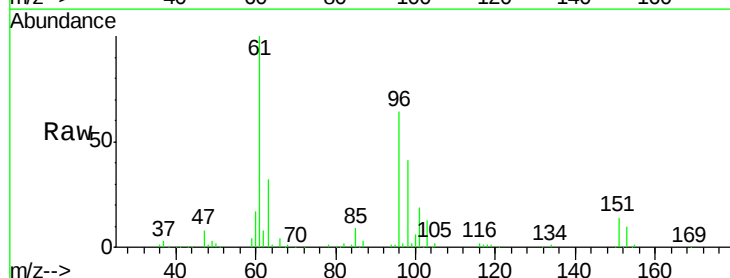
Manual Integrations
APPROVED

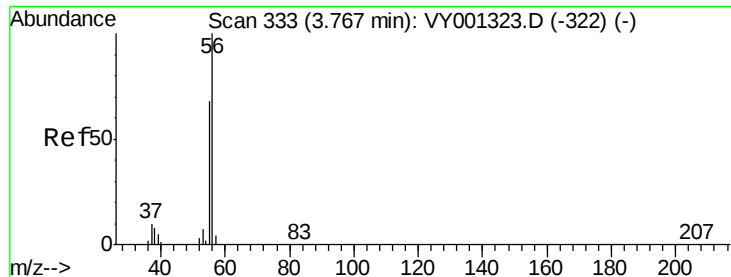
MMDadoda
1/30/2020 10:27:33 AM



#12
1,1-Dichloroethene
Concen: 53.185 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 96 Resp: 103004
Ion Ratio Lower Upper
96 100
61 155.4 118.0 177.0
98 64.1 49.4 74.2





#13

Acrolein

Concen: 243.208 ug/l

RT: 3.76 min Scan# 332

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35856

Ion Ratio Lower Upper

56 100

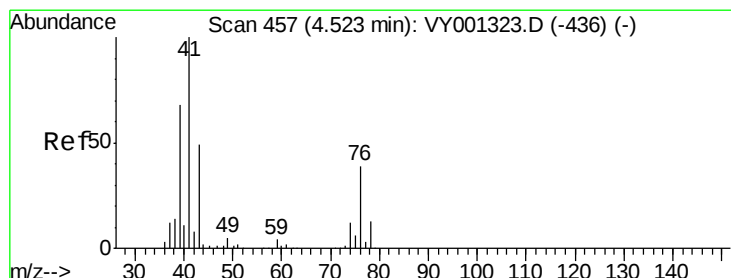
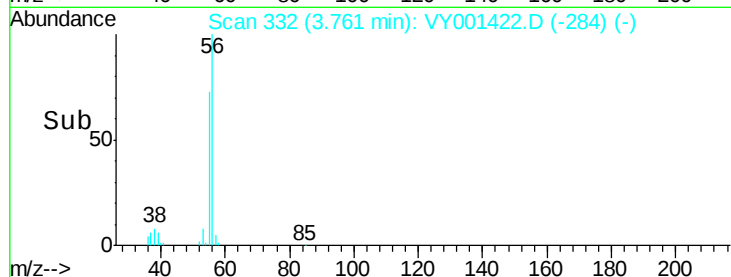
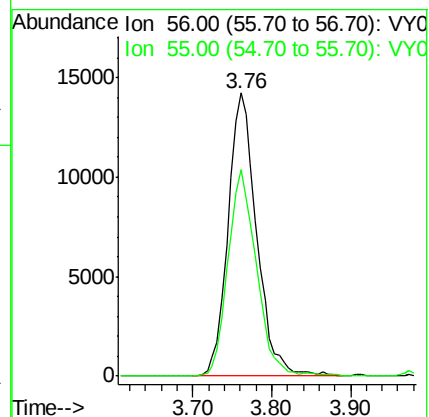
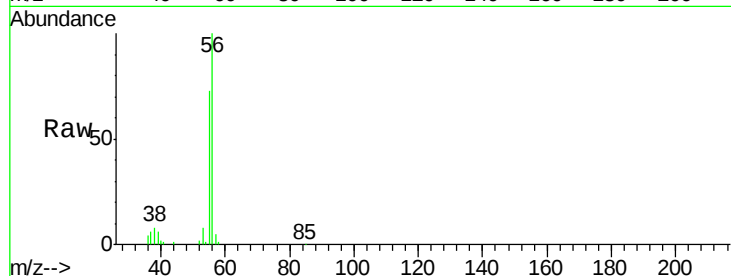
55 71.6 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:33 AM



#14

Allyl chloride

Concen: 53.974 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

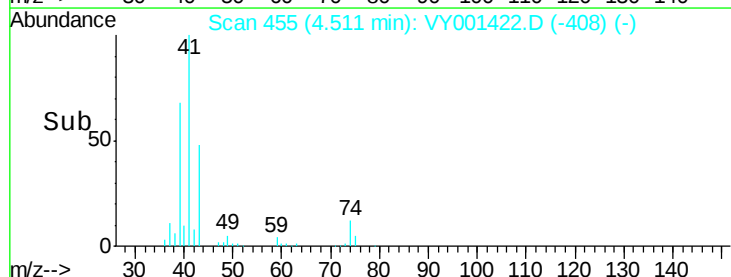
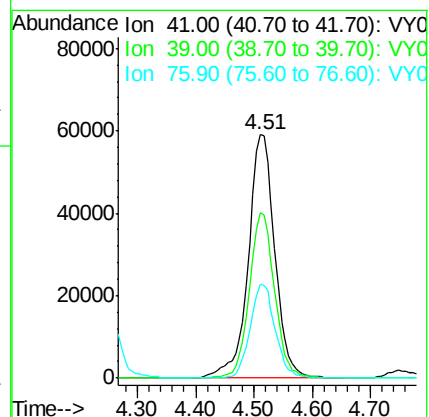
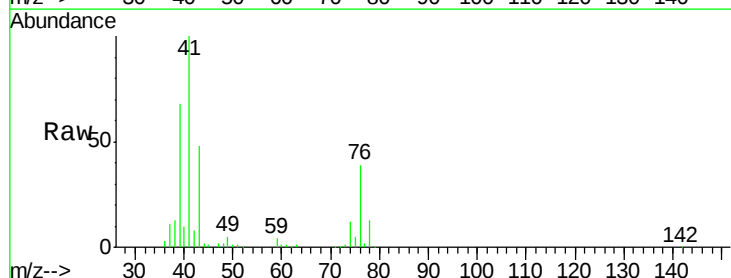
Tgt Ion: 41 Resp: 186413

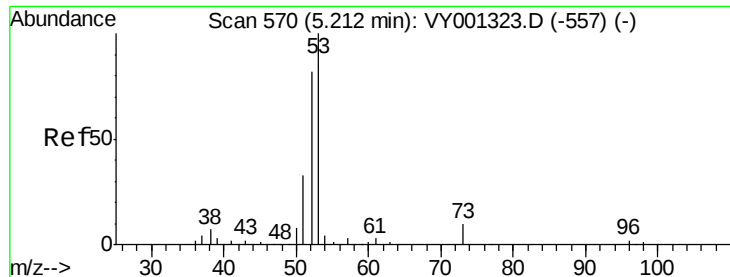
Ion Ratio Lower Upper

41 100

39 64.8 52.2 78.4

76 36.4 29.1 43.7





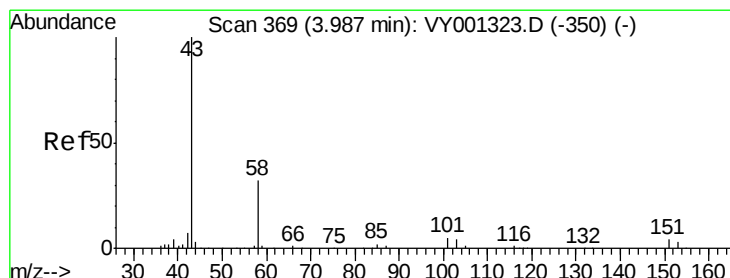
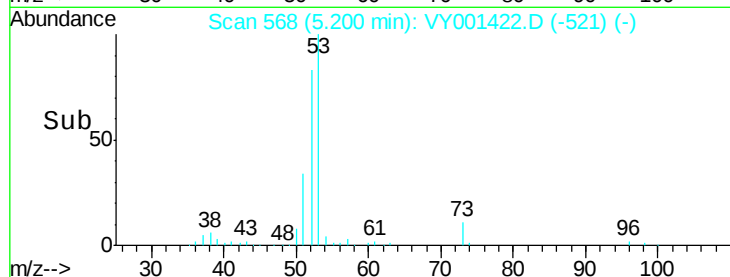
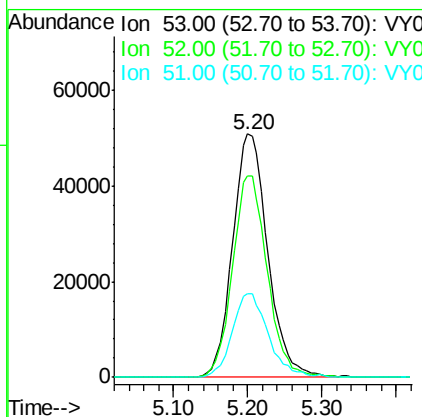
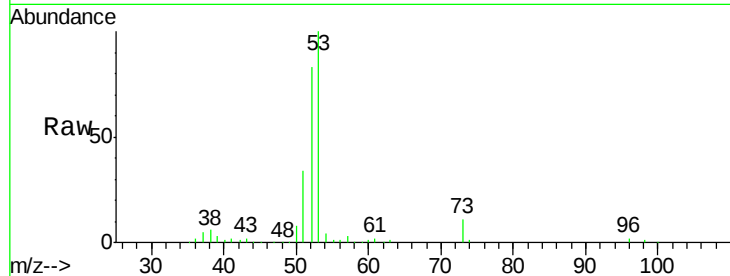
#15
 Acrylonitrile
 Concen: 268.915 ug/l
 RT: 5.20 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	53	Resp	168541
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.3	28.4	42.6

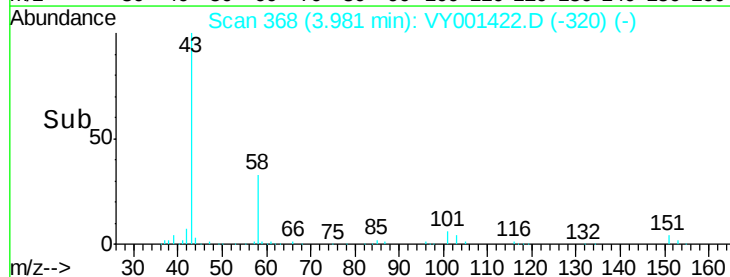
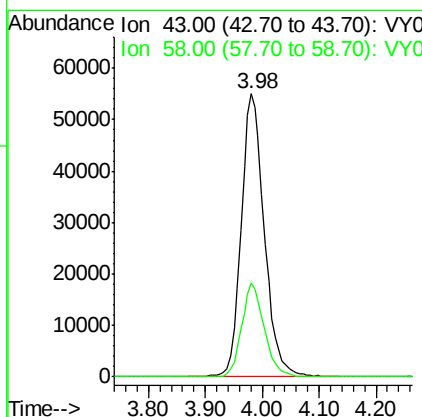
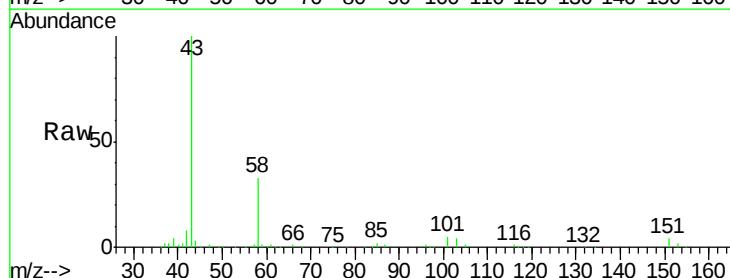
Manual Integrations
 APPROVED

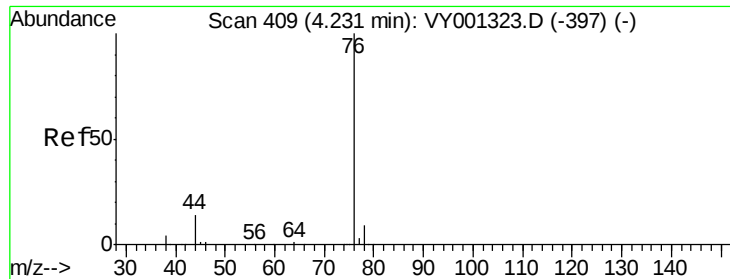
MMDadoda
 1/30/2020 10:27:33 AM



#16
 Acetone
 Concen: 299.125 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion	43	Resp	155624
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.4	38.0





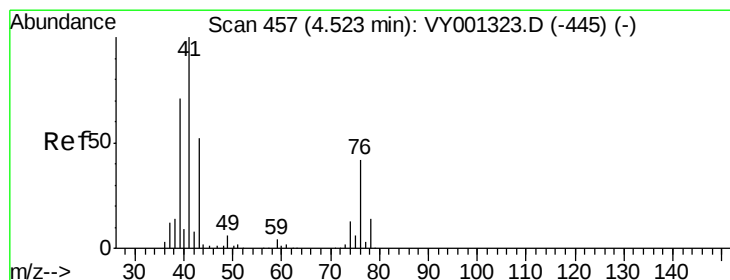
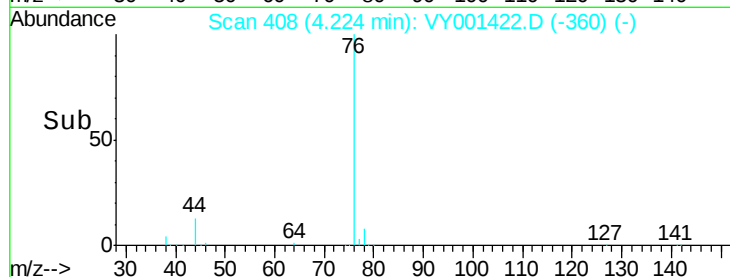
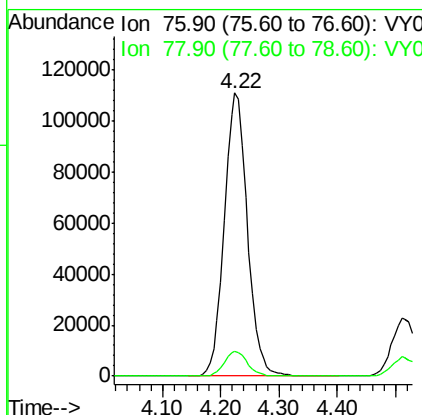
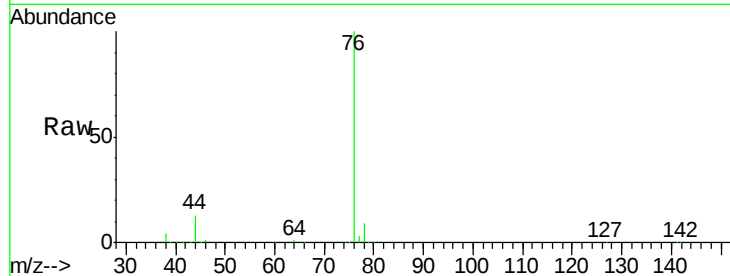
#17
Carbon Disulfide
Concen: 50.148 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 305456
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

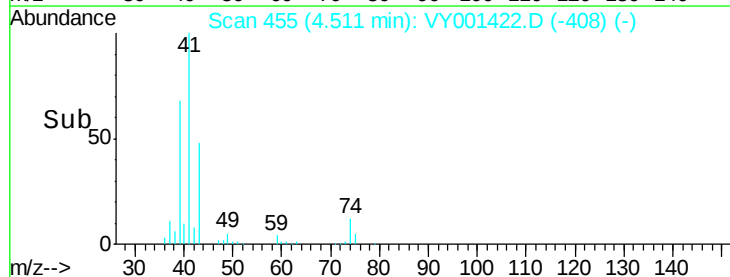
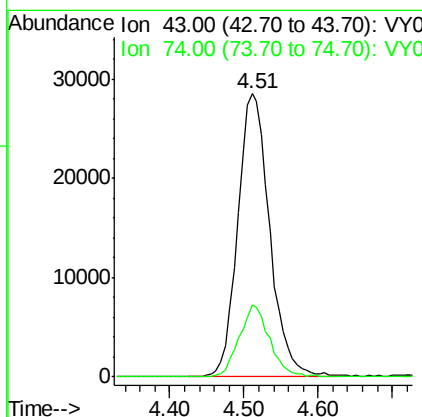
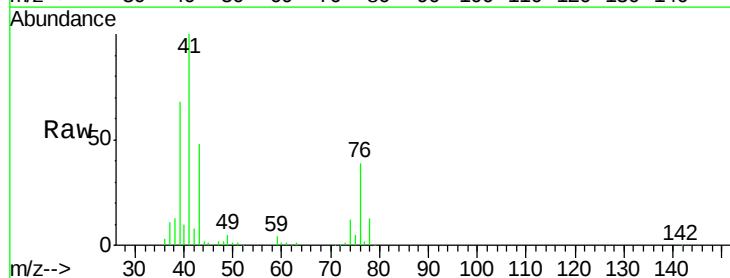
Manual Integrations
APPROVED

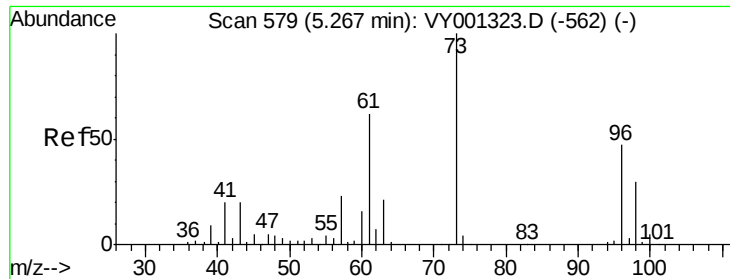
MMDadoda
1/30/2020 10:27:33 AM



#18
Methyl Acetate
Concen: 51.334 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 43 Resp: 85924
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2





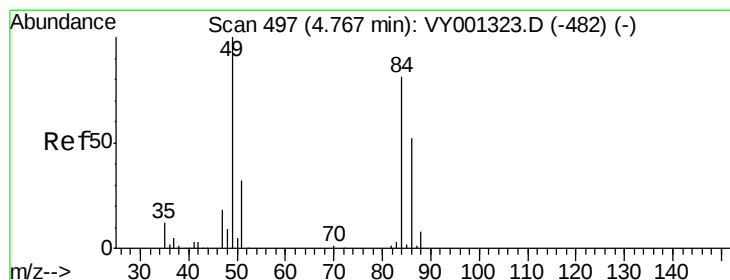
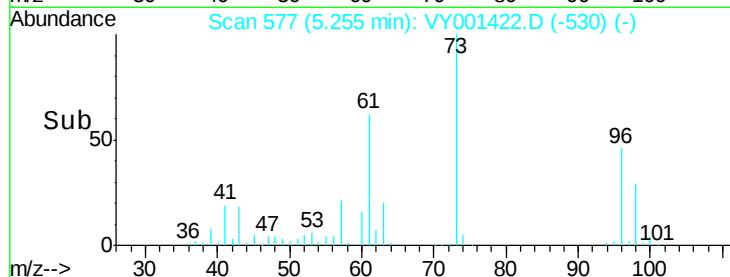
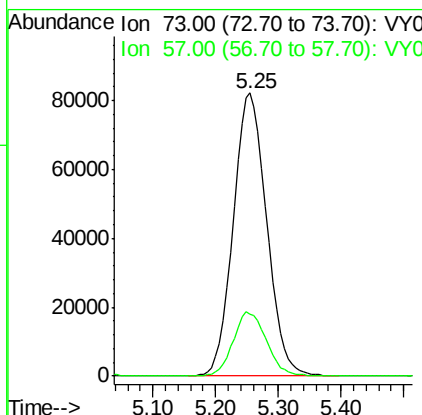
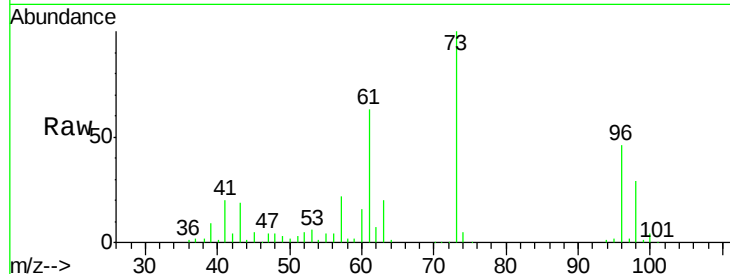
#19
Methyl tert-butyl Ether
Concen: 53.404 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 302838
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2

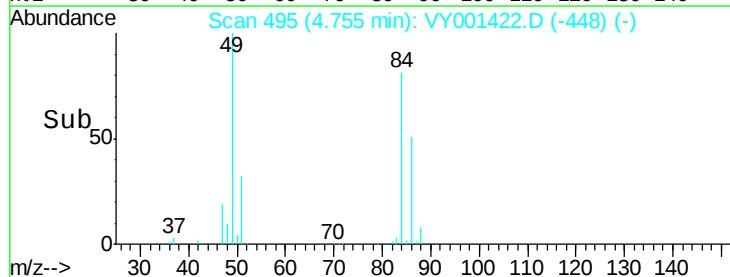
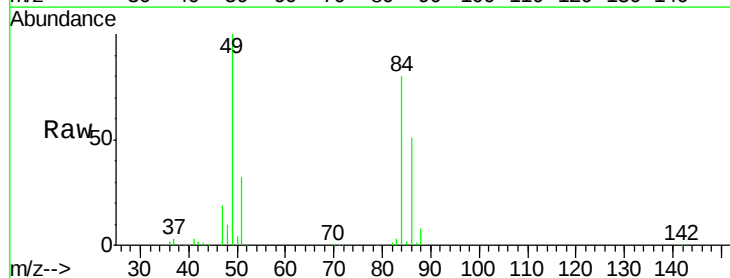
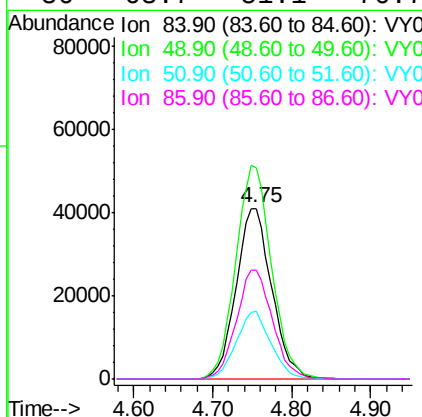
Manual Integrations
APPROVED

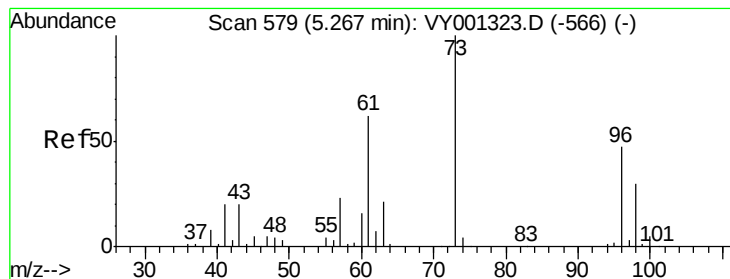
MMDadoda
1/30/2020 10:27:33 AM



#20
Methylene Chloride
Concen: 52.646 ug/l
RT: 4.75 min Scan# 495
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 84 Resp: 128486
Ion Ratio Lower Upper
84 100
49 124.4 98.3 147.5
51 39.6 31.6 47.4
86 63.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.780 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 116487

Ion Ratio Lower Upper

96 100

61 135.1 106.8 160.2

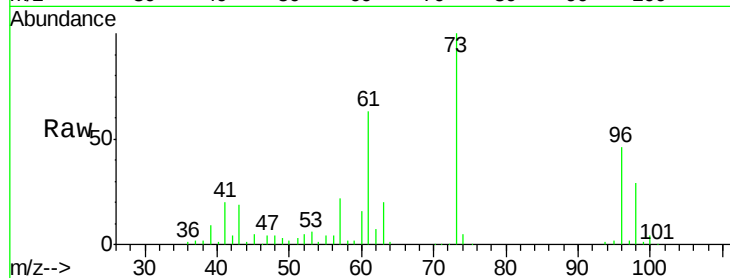
98 63.0 51.0 76.6

Manual Integrations

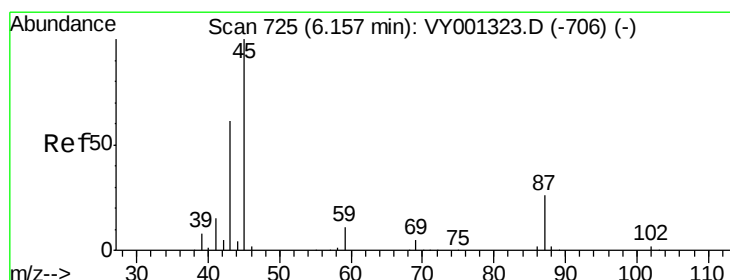
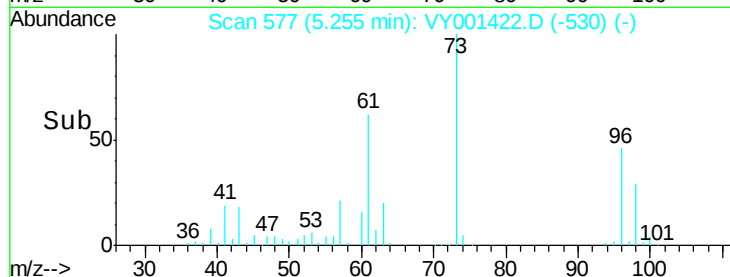
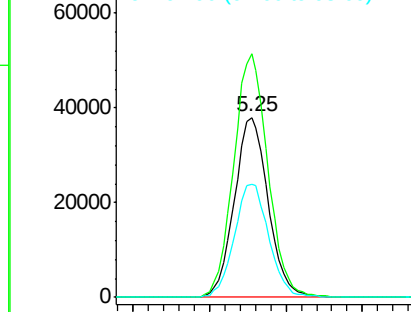
APPROVED

MMDadoda

1/30/2020 10:27:33 AM



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 53.950 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion: 45 Resp: 395670

Ion Ratio Lower Upper

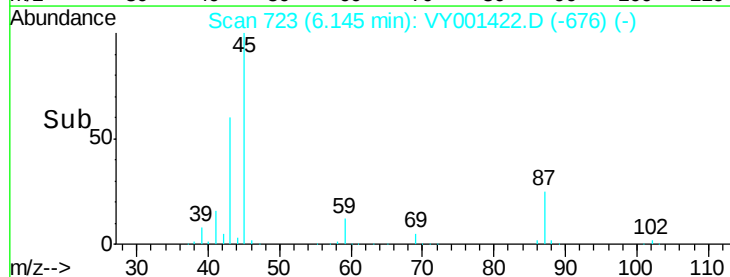
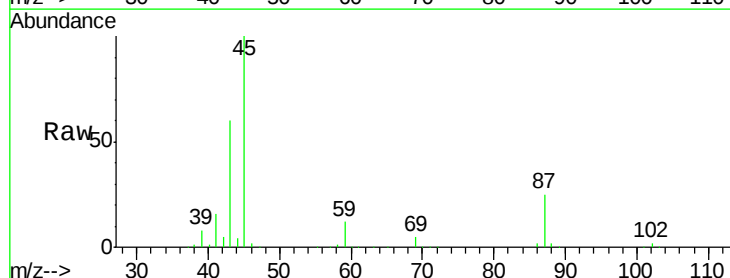
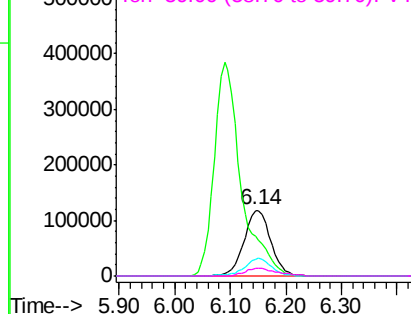
45 100

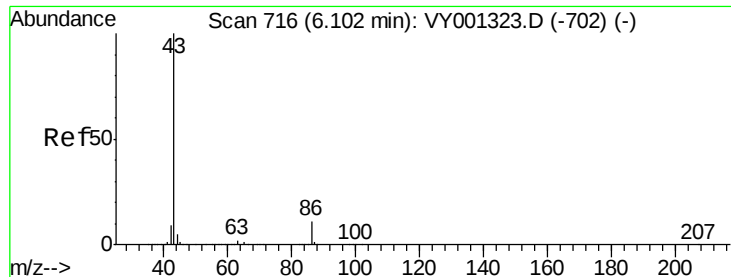
43 59.4 49.2 73.8

87 25.0 21.4 32.2

59 11.7 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 270.918 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1289924

Ion Ratio Lower Upper

43 100

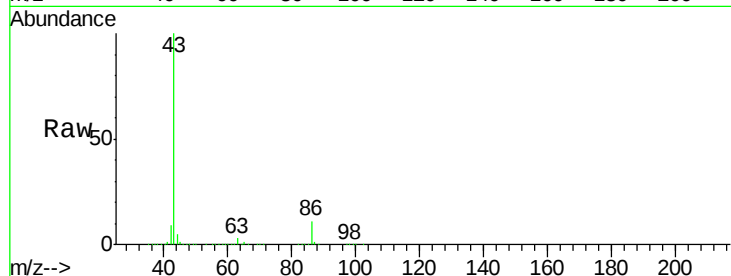
86 10.6 8.6 13.0

Manual Integrations

APPROVED

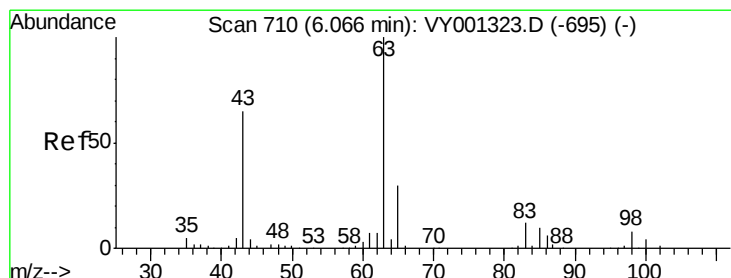
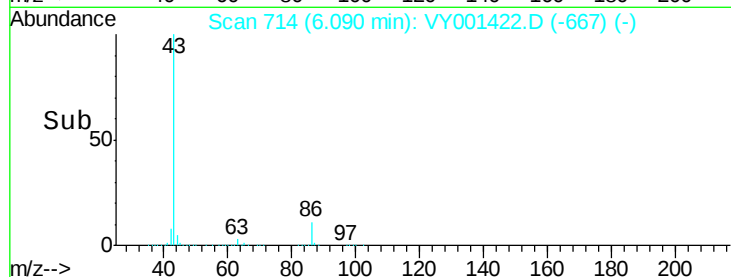
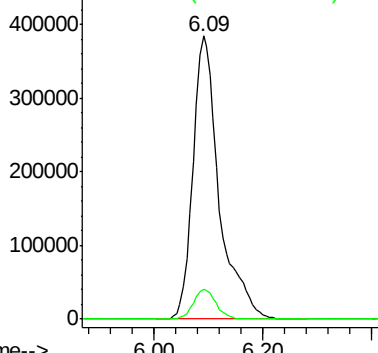
MMDadoda

1/30/2020 10:27:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 54.886 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.02 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

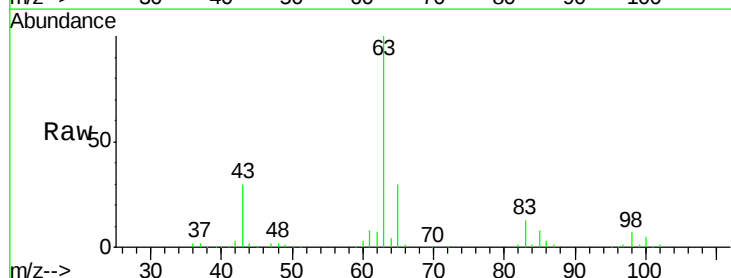
Tgt Ion: 63 Resp: 212174

Ion Ratio Lower Upper

63 100

98 6.6 4.0 12.0

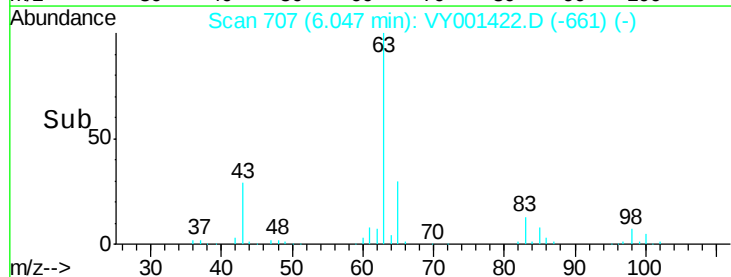
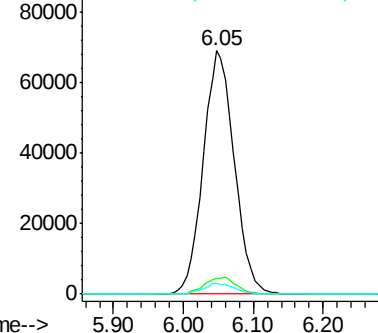
100 4.6 2.1 6.3

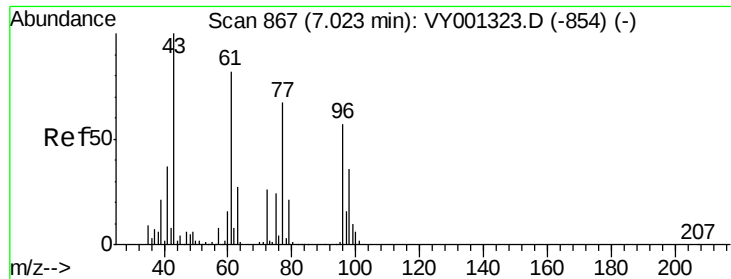


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





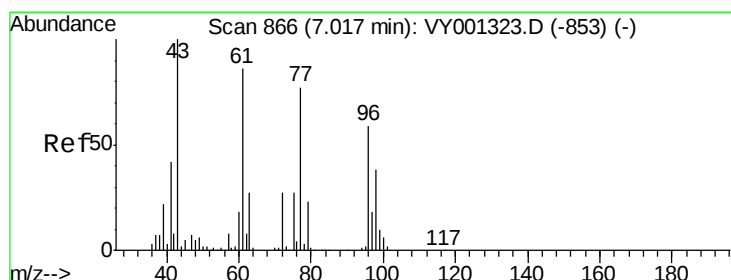
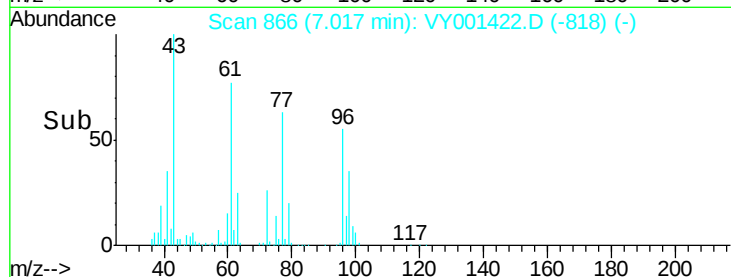
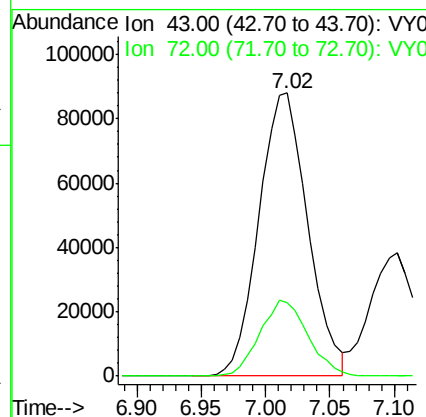
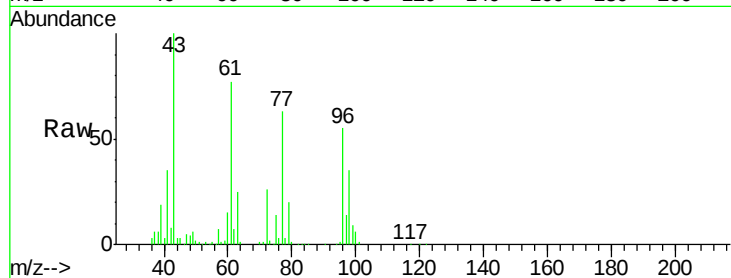
#25
2-Butanone
Concen: 268.038 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 231563
Ion Ratio Lower Upper
43 100
72 26.0 20.6 31.0

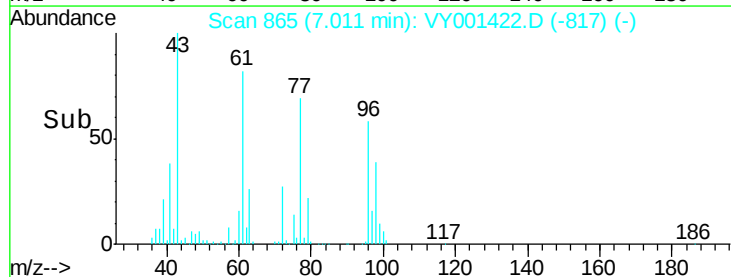
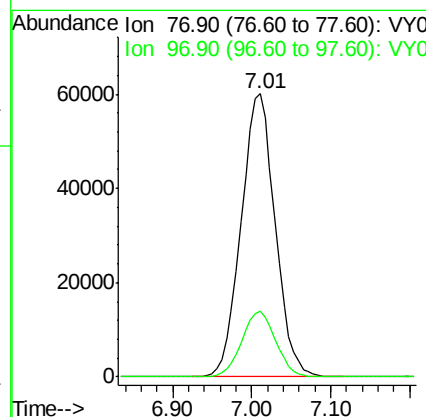
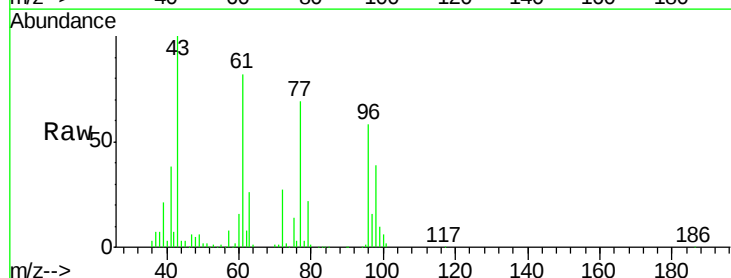
Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#26
2,2-Dichloropropane
Concen: 52.354 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 77 Resp: 180275
Ion Ratio Lower Upper
77 100
97 23.2 11.9 35.5





#27

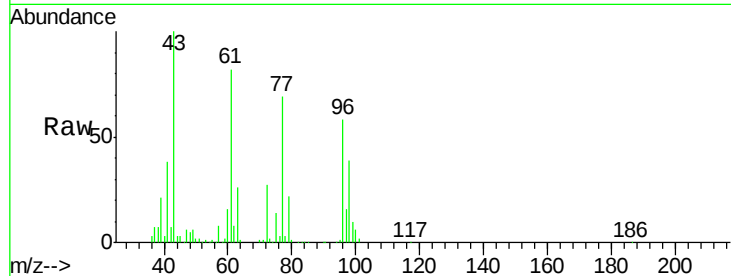
cis-1,2-Dichloroethene
Concen: 53.892 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

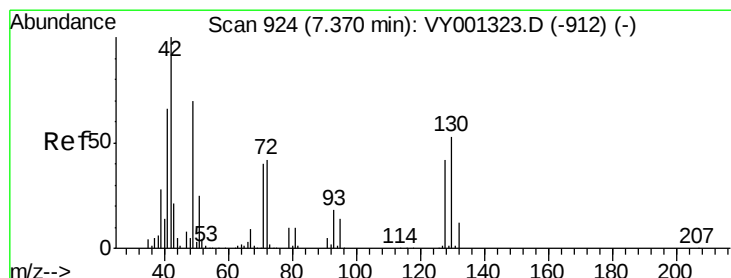
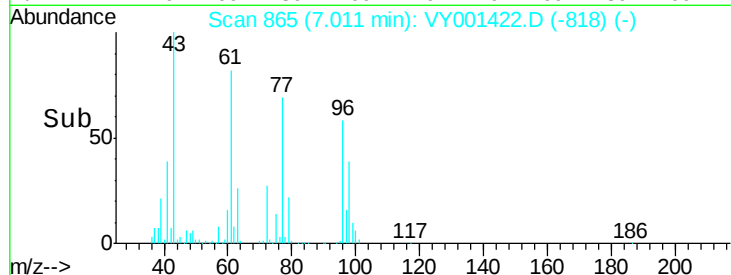
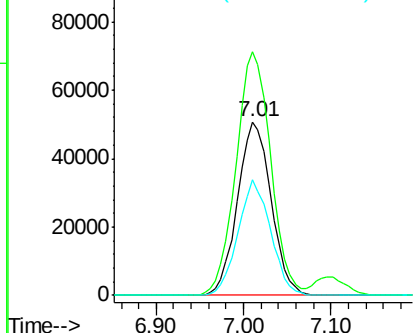
Tot Ion	Ratio	Resp	Lower	Upper
96	100	135495		
61	145.2	0.0	284.8	
98	64.8	0.0	128.4	

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



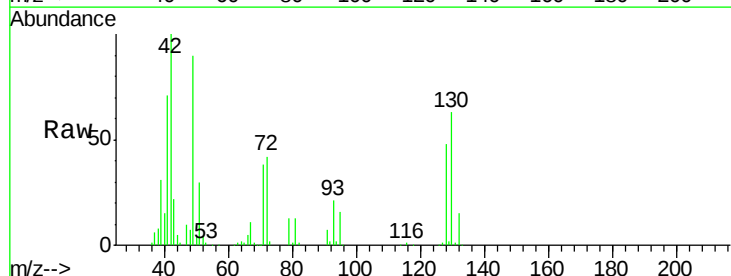
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



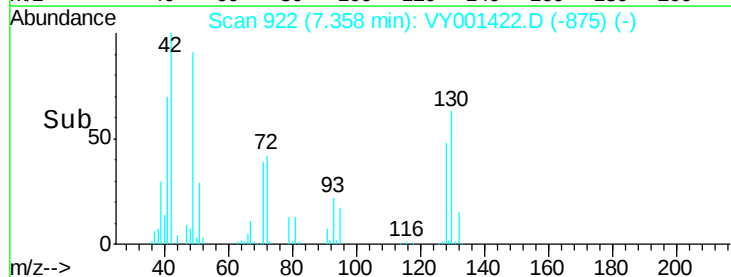
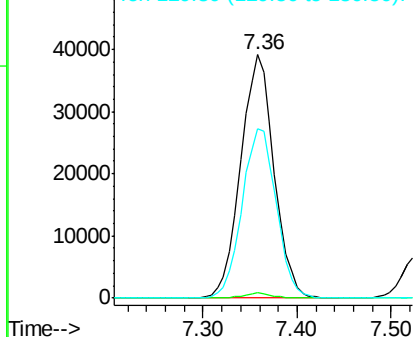
#28

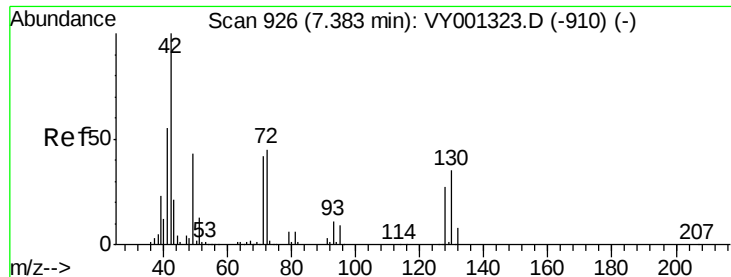
Bromochloromethane
Concen: 60.748 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	96845		
129	1.9	0.0	4.0	
130	71.4	58.9	88.3	



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





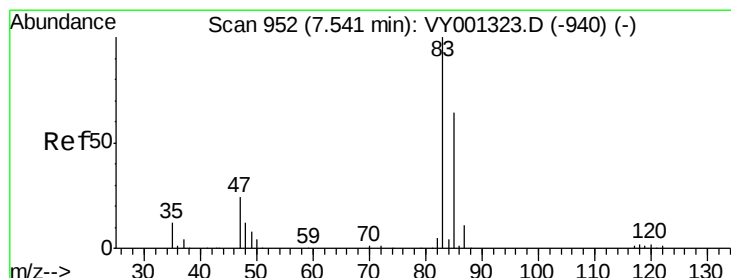
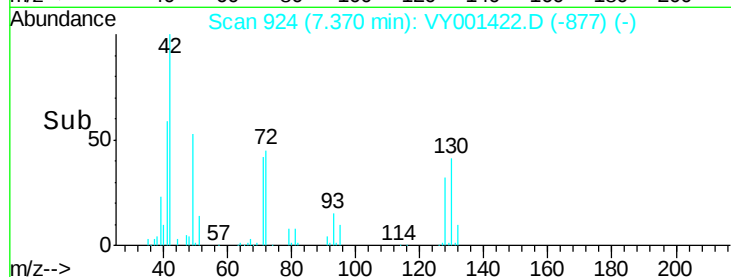
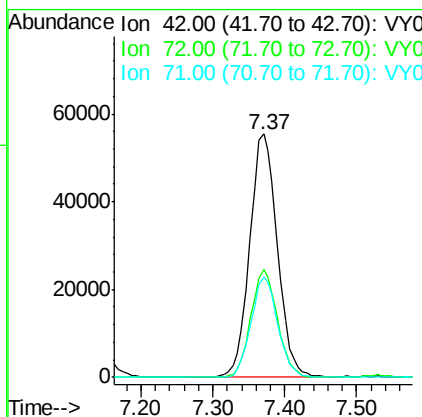
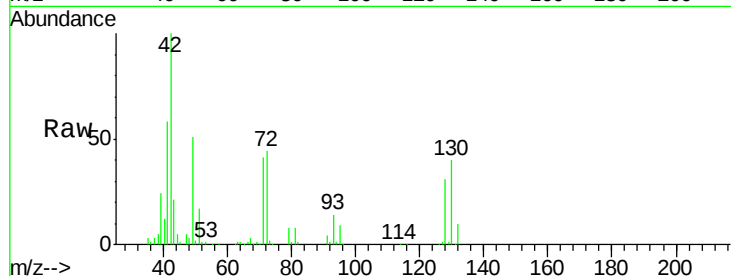
#29
Tetrahydrofuran
Concen: 263.298 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	147988
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	51.8
71	39.9	32.6	48.8

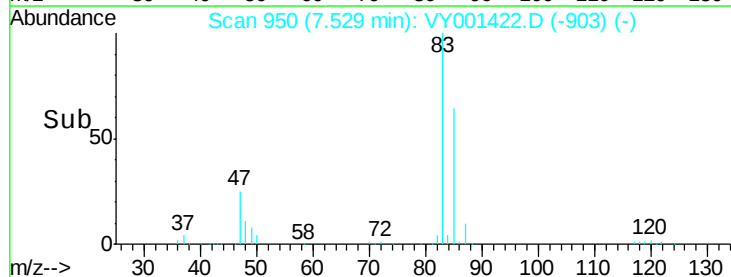
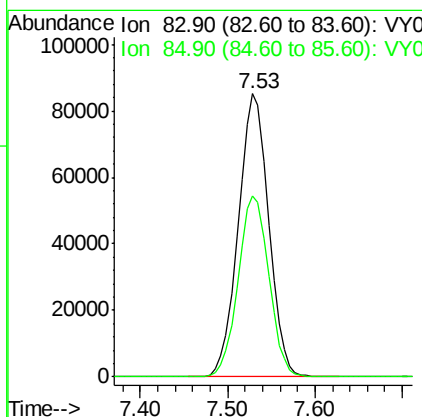
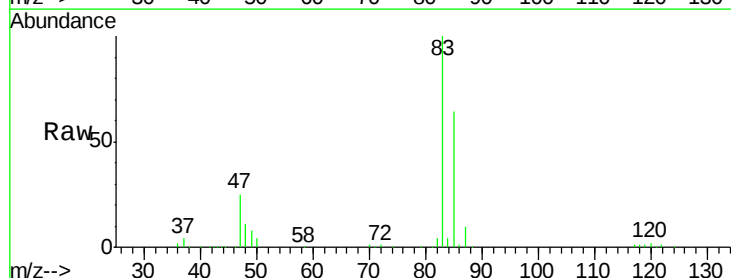
Manual Integrations
APPROVED

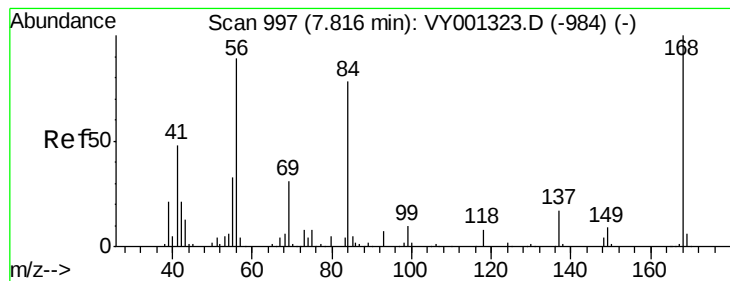
MMDadoda
1/30/2020 10:27:33 AM



#30
Chloroform
Concen: 54.155 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion:	83	Resp:	205197
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





#31

Cyclohexane

Concen: 51.728 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 198539

Ion Ratio Lower Upper

56 100

69 33.1 27.6 41.4

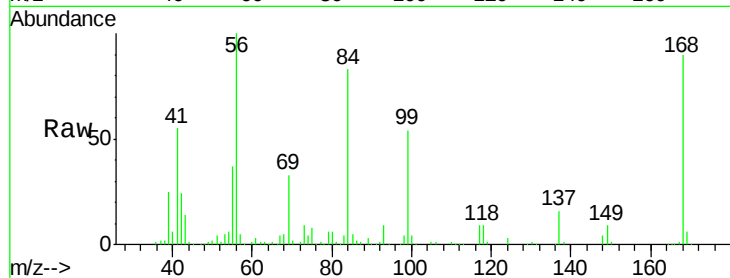
84 81.6 69.7 104.5

Manual Integrations

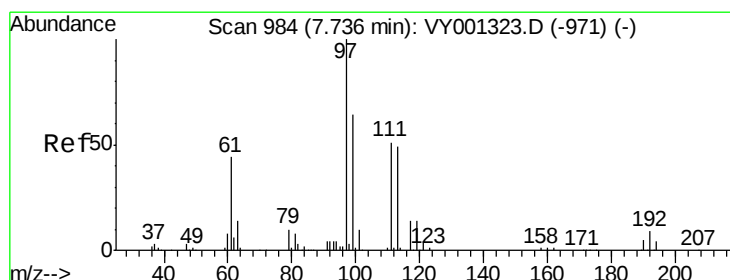
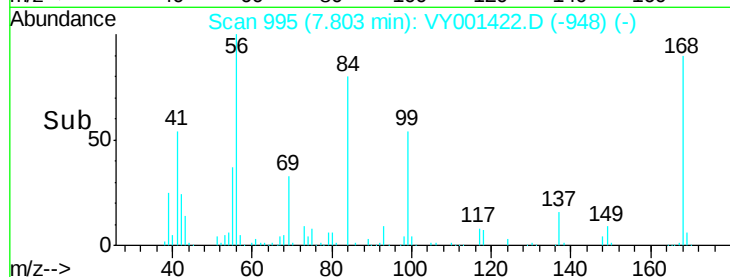
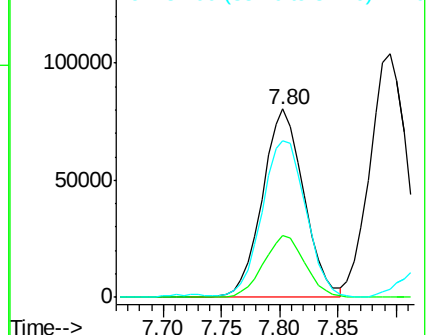
APPROVED

MMDadoda

1/30/2020 10:27:33 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: 55.332 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

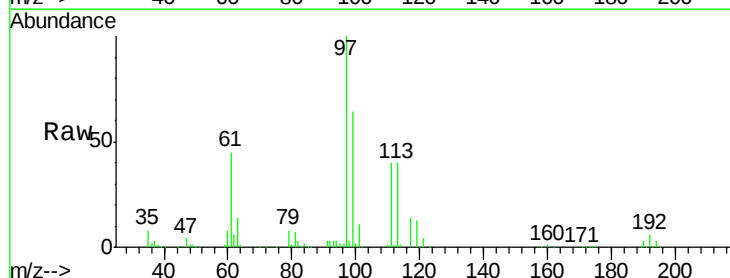
Tgt Ion: 97 Resp: 177027

Ion Ratio Lower Upper

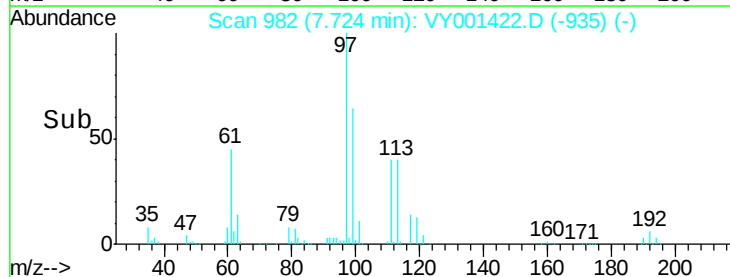
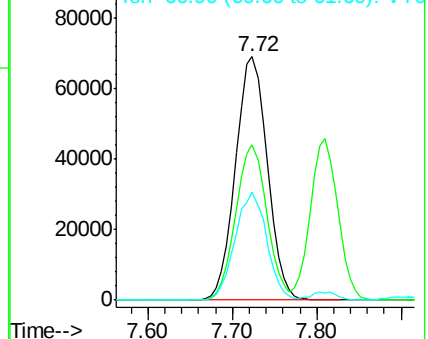
97 100

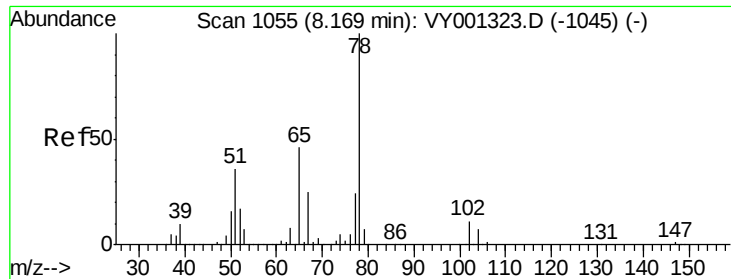
99 62.5 51.3 76.9

61 44.2 35.9 53.9



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: 52.451 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 104107

Ion Ratio Lower Upper

65 100

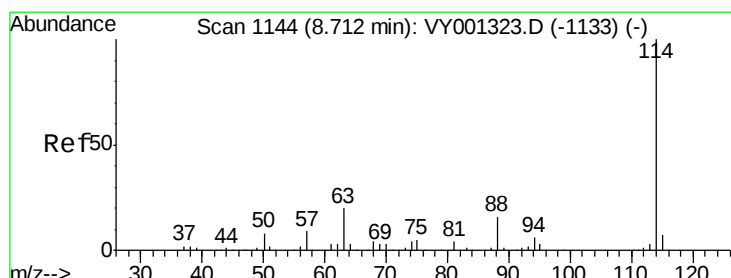
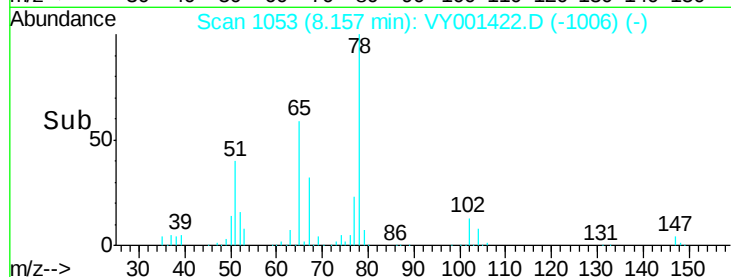
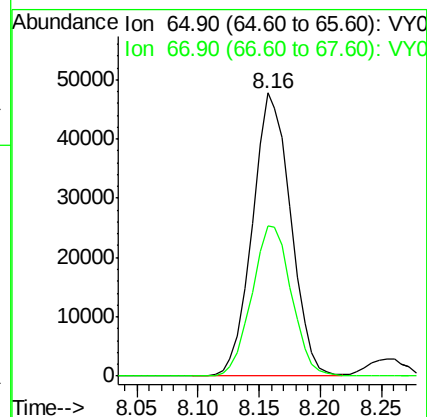
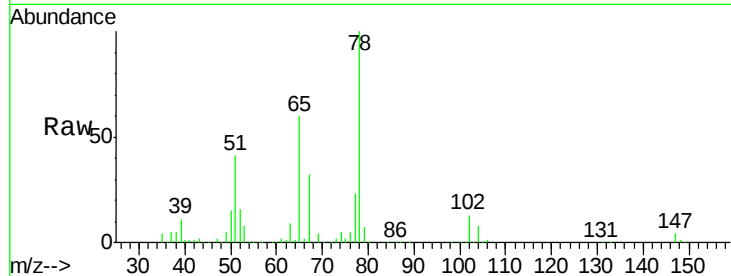
67 54.7 0.0 108.6

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:33 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

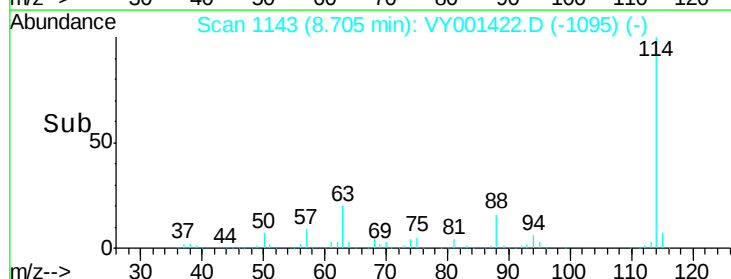
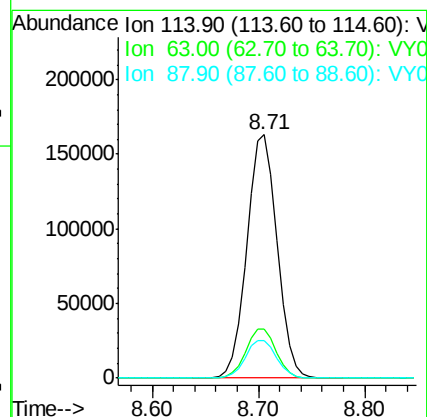
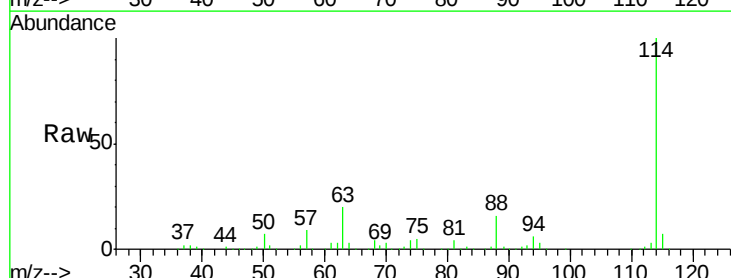
Tgt Ion: 114 Resp: 324995

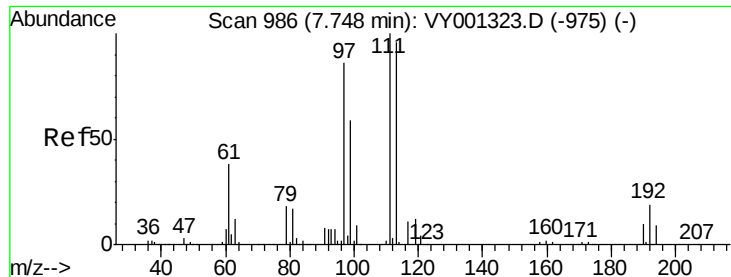
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.6 0.0 31.0





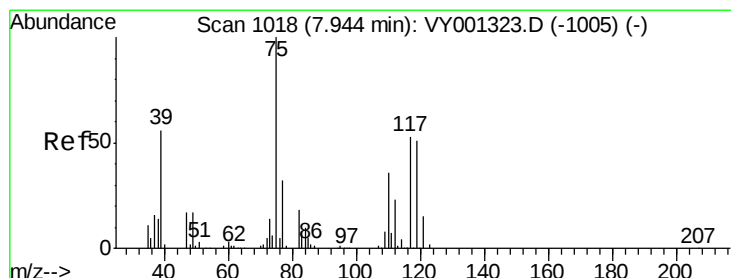
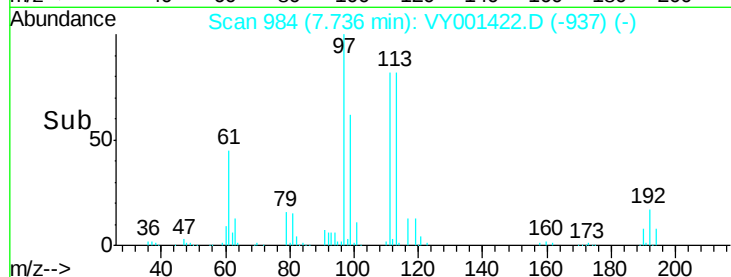
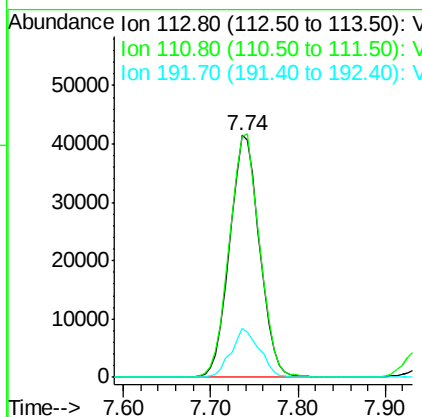
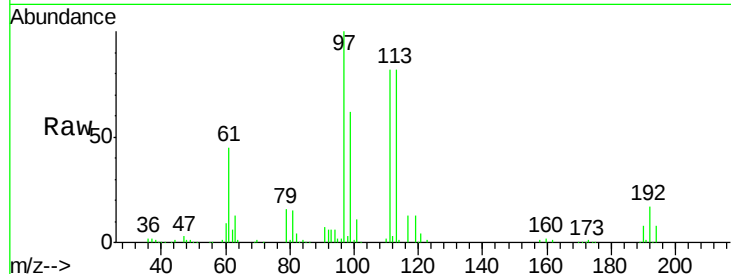
#35
 Dibromofluoromethane
 Concen: 51.793 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.8	124.2
192	19.0	15.5	23.3

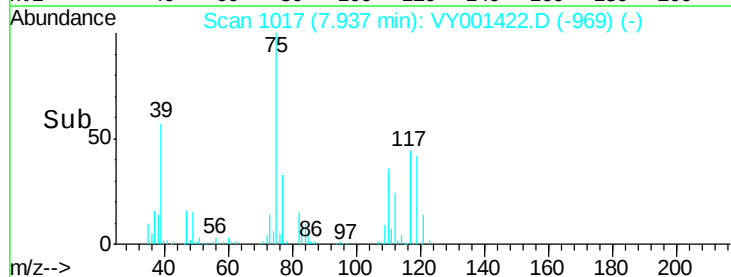
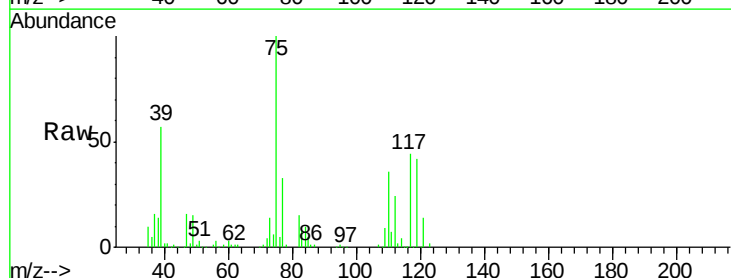
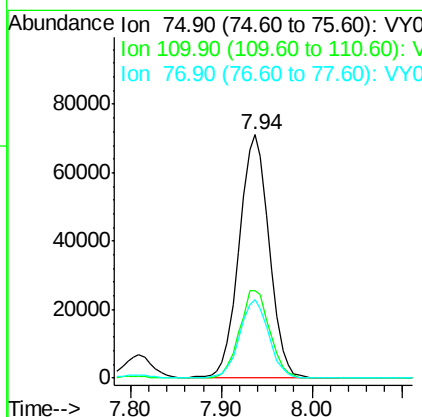
Manual Integrations
 APPROVED

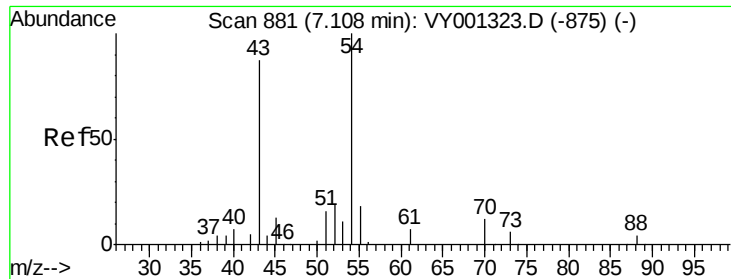
MMDadoda
 1/30/2020 10:27:33 AM



#36
 1,1-Dichloropropene
 Concen: 53.097 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.6	52.8
77	31.4	24.7	37.1





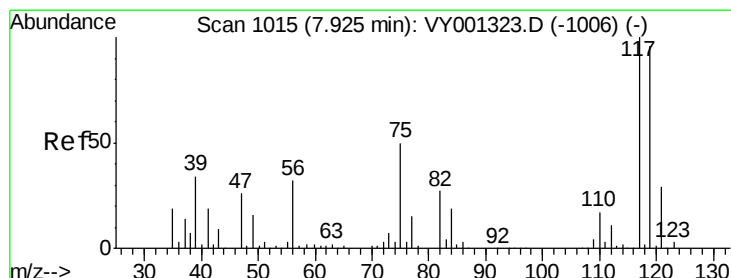
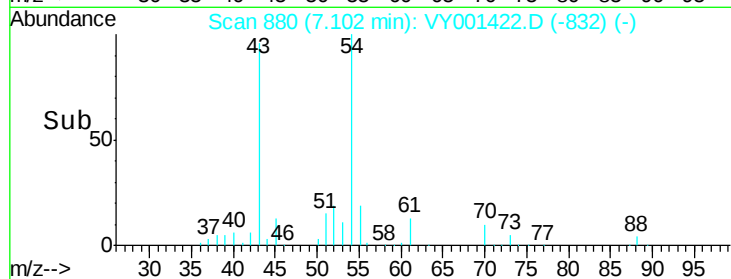
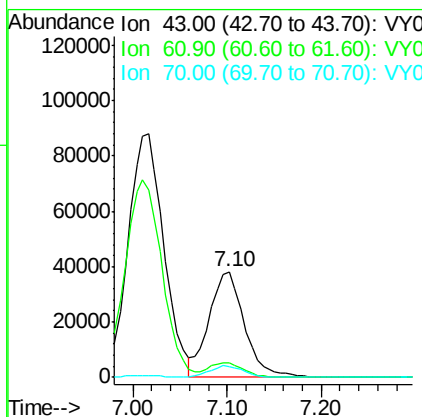
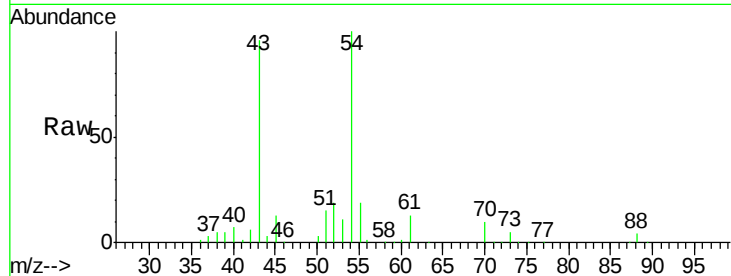
#37
Ethyl Acetate
Concen: 52.957 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	10.6	8.7	13.1

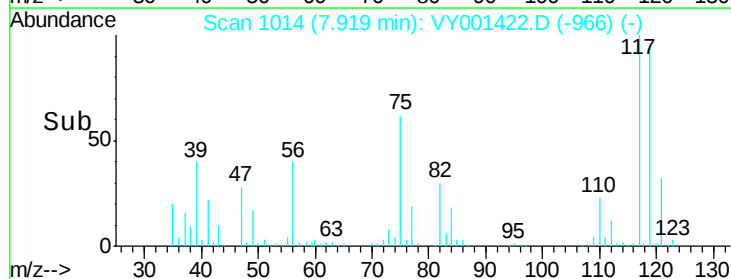
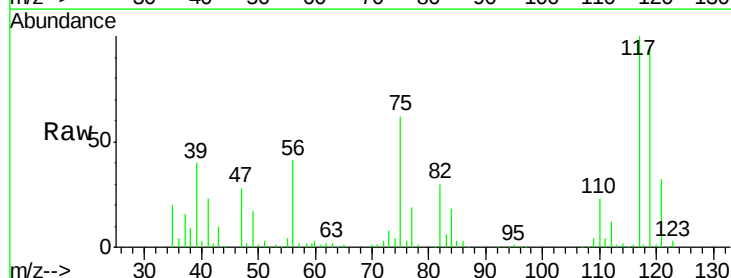
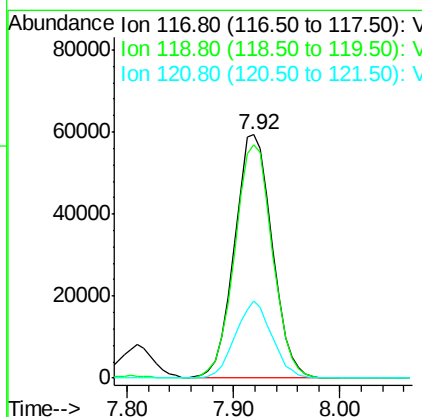
Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#38
Carbon Tetrachloride
Concen: 53.958 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.3	114.5
121	31.9	23.5	35.3





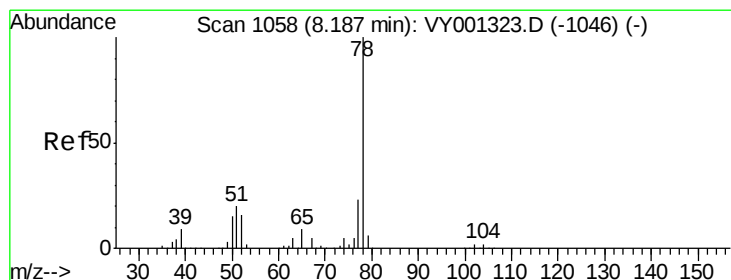
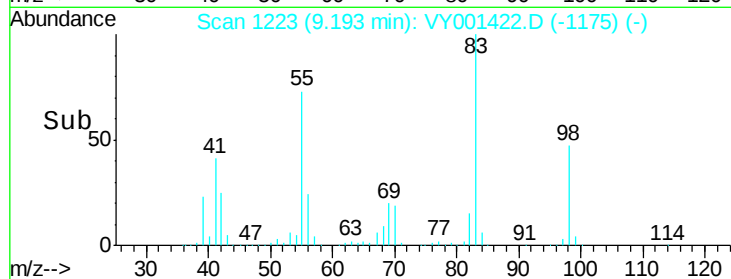
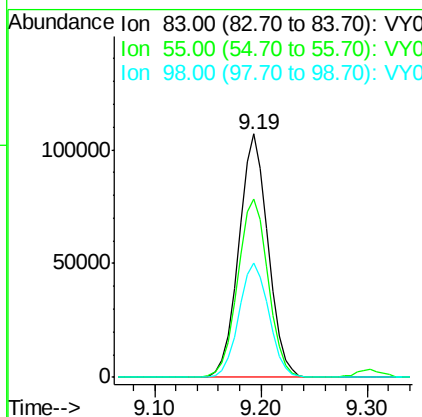
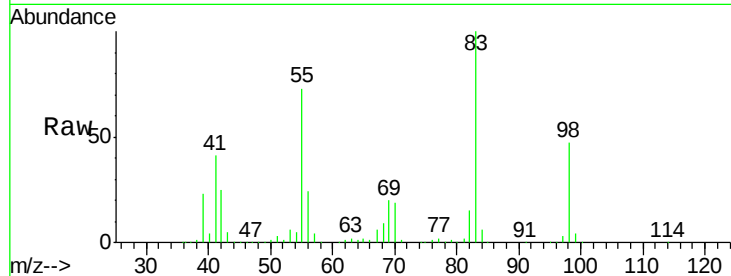
#39
Methvlcvclohexane
Concen: 52.433 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	60.7	91.1
98	46.9	37.8	56.8

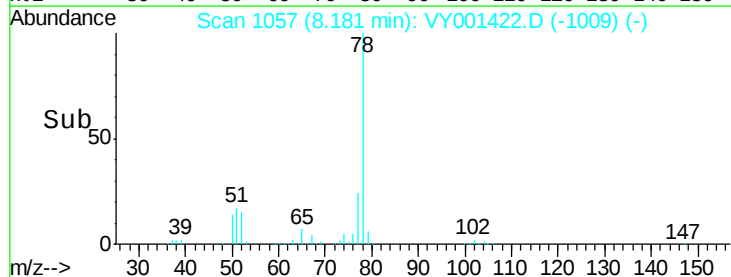
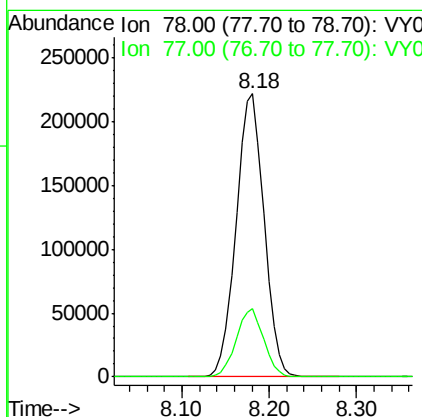
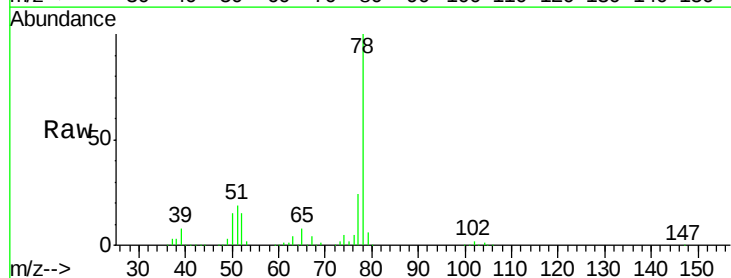
Manual Integrations
APPROVED

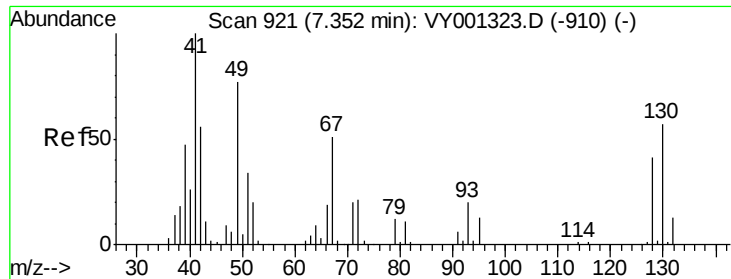
MMDadoda
1/30/2020 10:27:33 AM



#40
Benzene
Concen: 53.555 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	27.8





#41

Methacrylonitrile

Concen: 57.666 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 55823

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

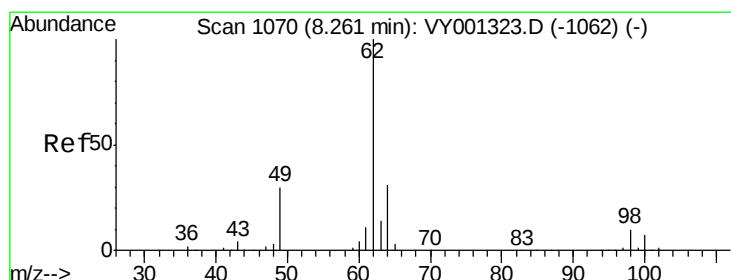
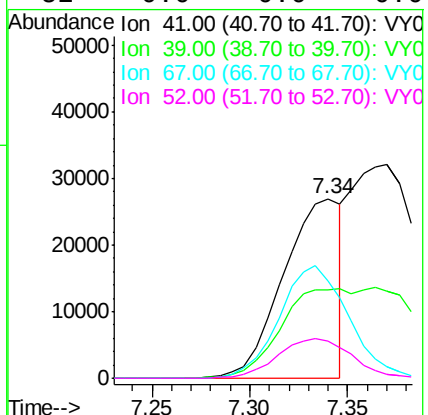
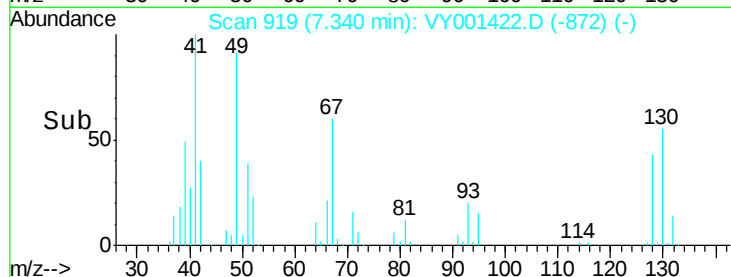
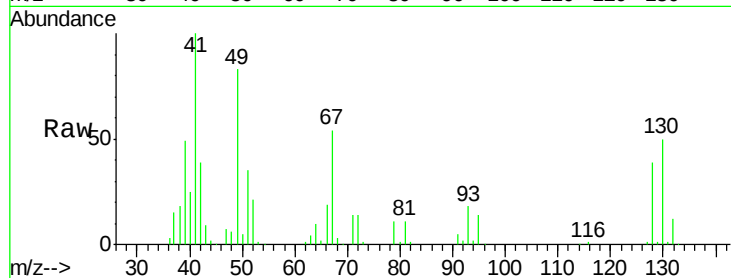
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:33 AM



#42

1,2-Dichloroethane

Concen: 52.936 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001422.D

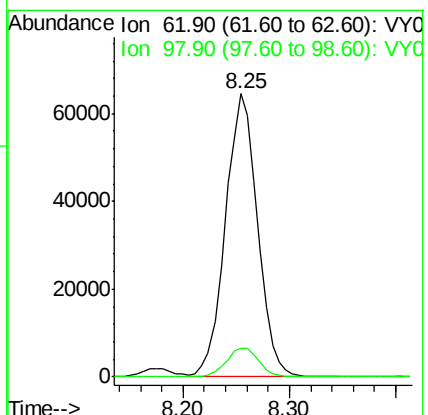
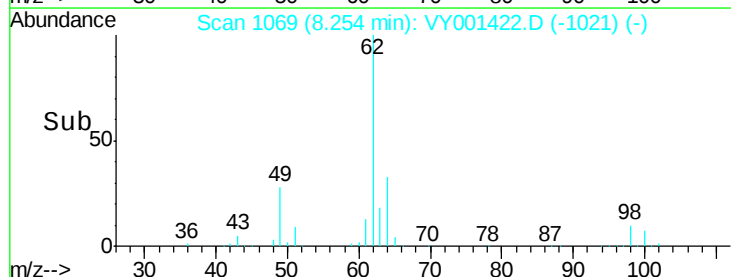
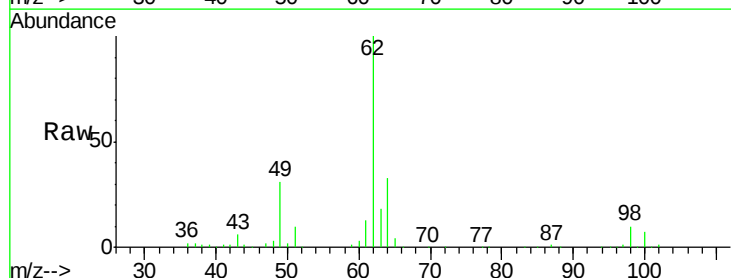
Acq: 29 Jan 2020 16:40

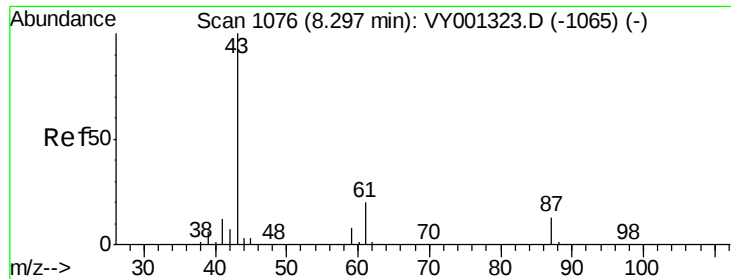
Tgt Ion: 62 Resp: 136174

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.8





#43

Isopropyl Acetate

Concen: 54.543 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

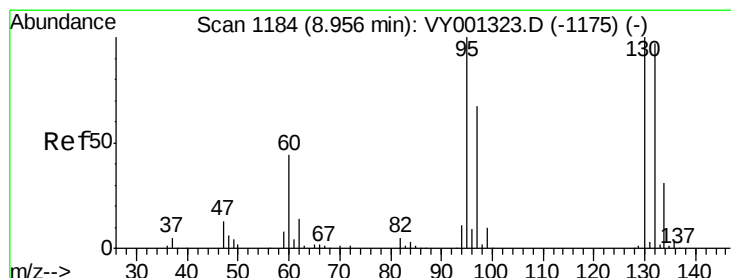
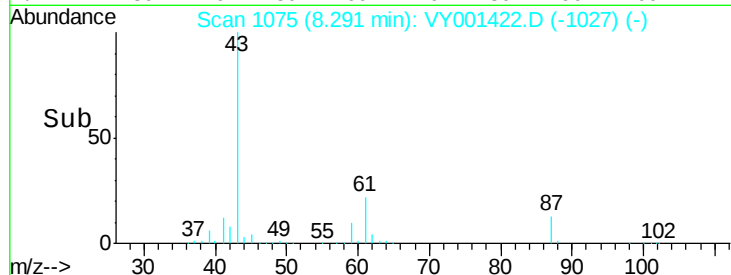
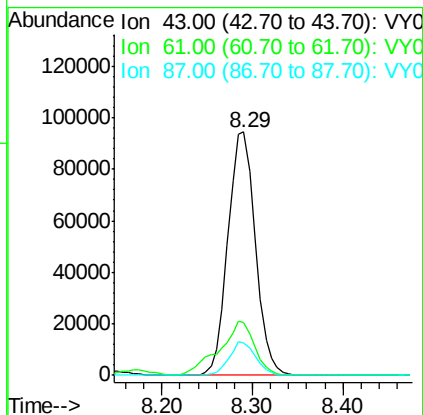
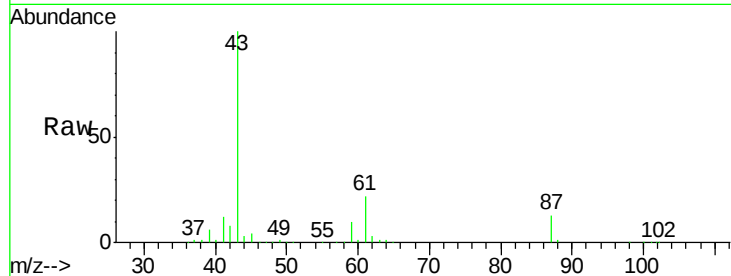
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	198955
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	13.3	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#44

Trichloroethene

Concen: 52.929 ug/l

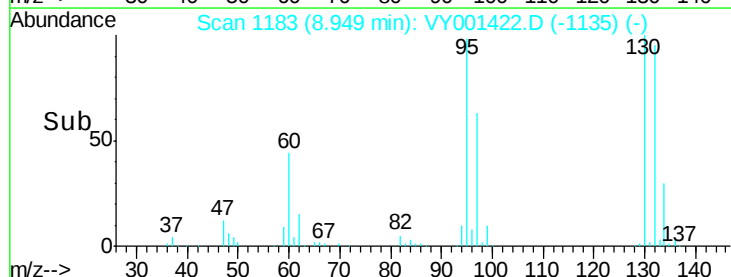
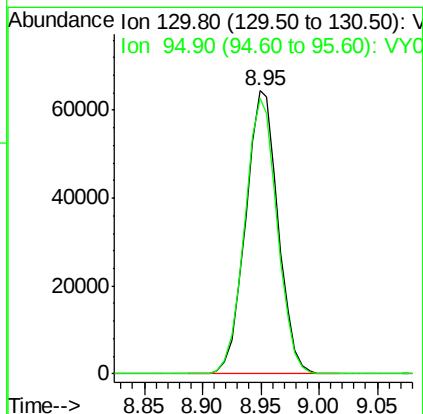
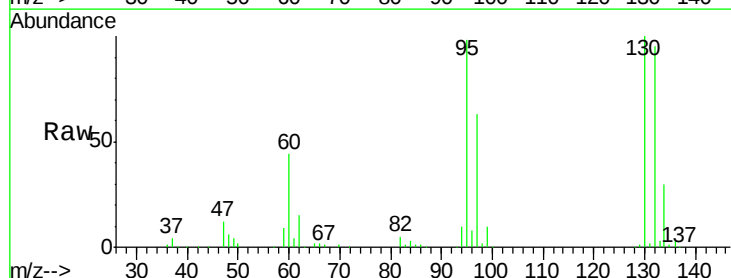
RT: 8.95 min Scan# 1183

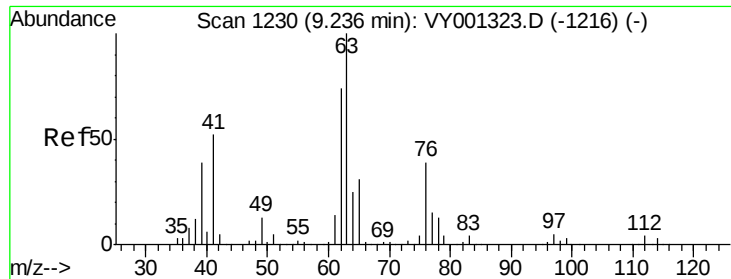
Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion:	130	Resp:	125042
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	200.0





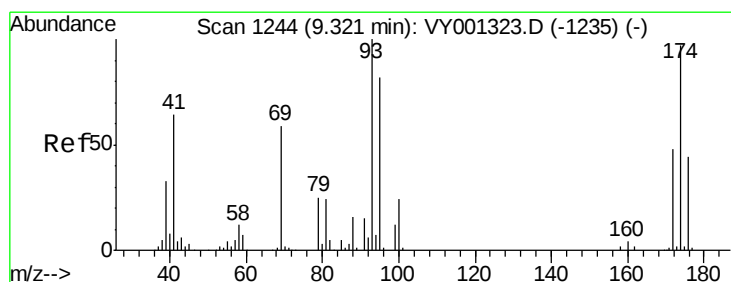
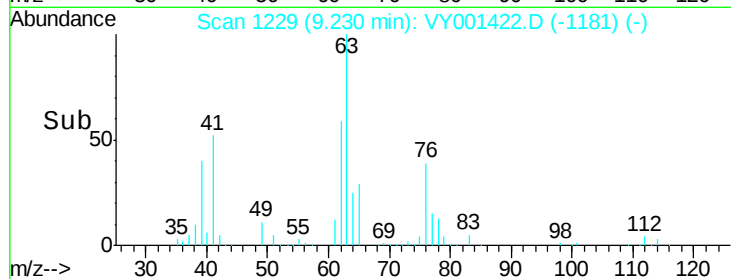
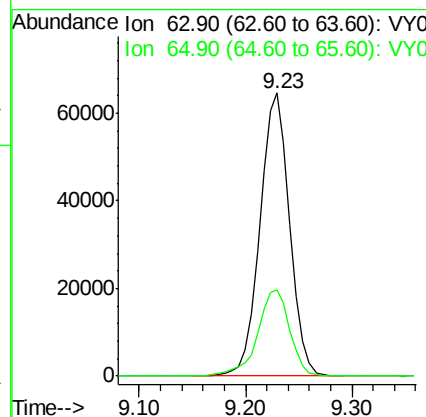
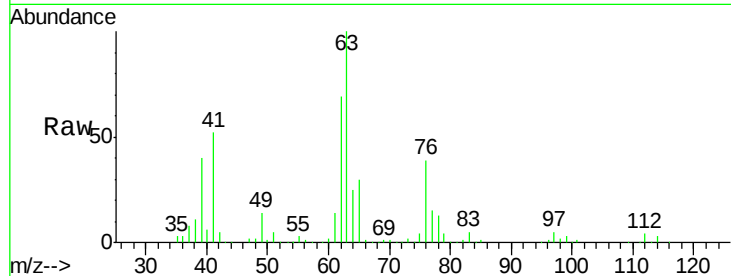
#45
 1,2-Dichloropropane
 Concen: 54.018 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 125716
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.9 37.3

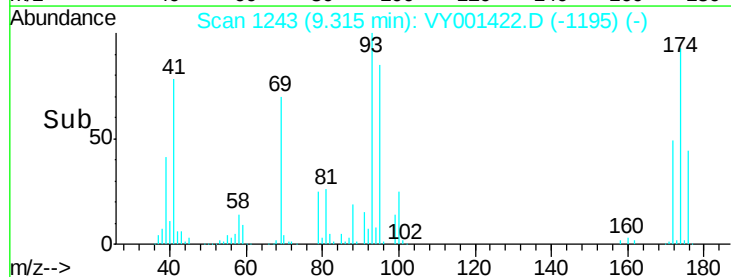
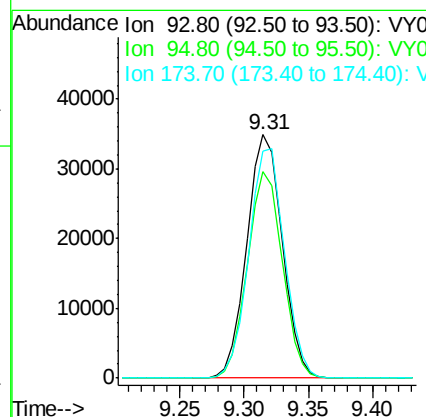
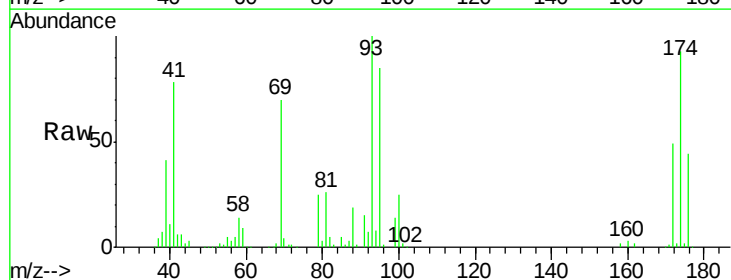
Manual Integrations
 APPROVED

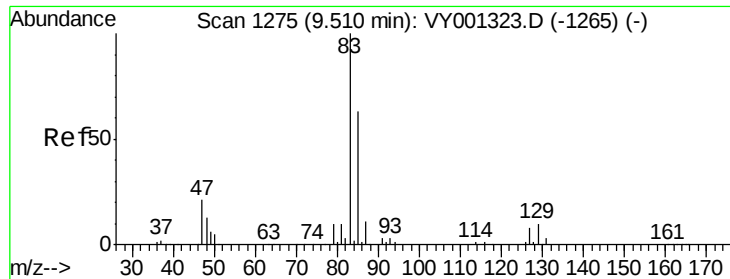
MMDadoda
 1/30/2020 10:27:33 AM



#46
 Dibromomethane
 Concen: 53.125 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion: 93 Resp: 66376
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.5 99.7
 174 94.7 77.9 116.9





#47

Bromodichloromethane

Concen: 53.597 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

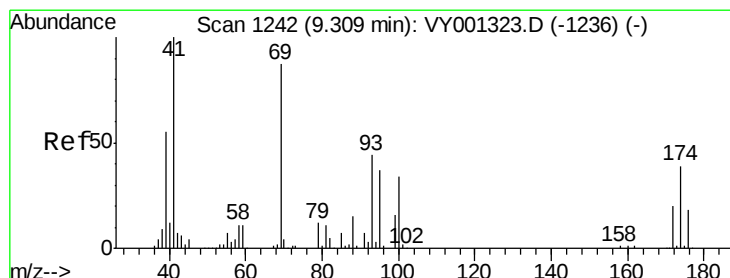
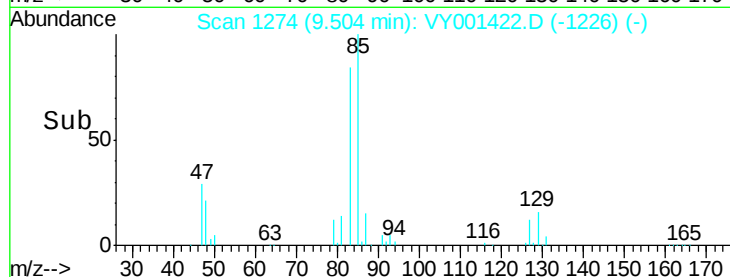
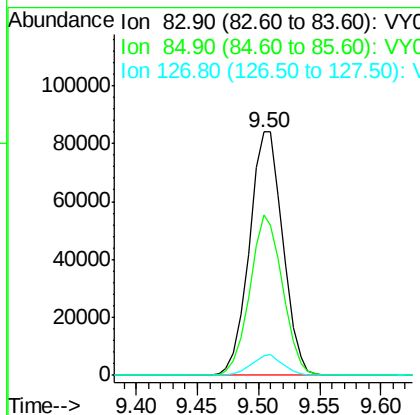
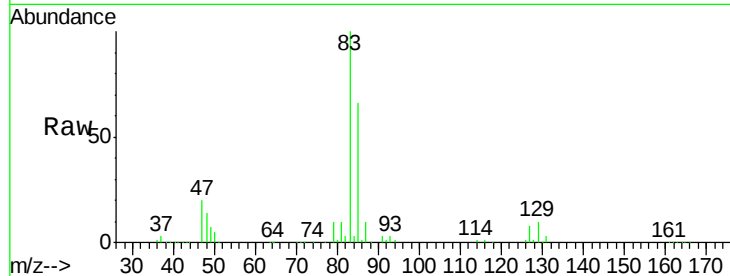
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	160082
Ion Ratio	Lower	Upper	
83	100		
85	65.9	50.2	75.2
127	7.9	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#48

Methyl methacrylate

Concen: 53.819 ug/l

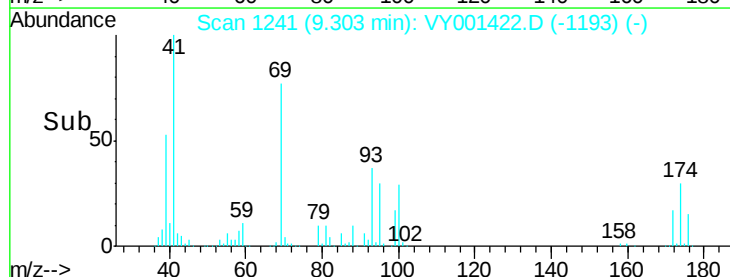
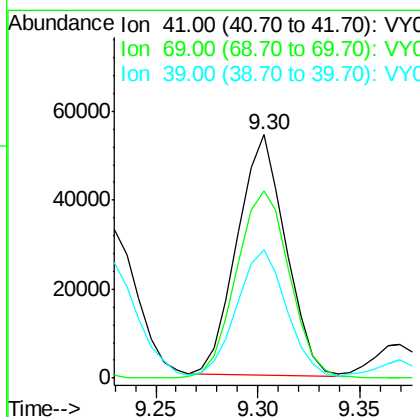
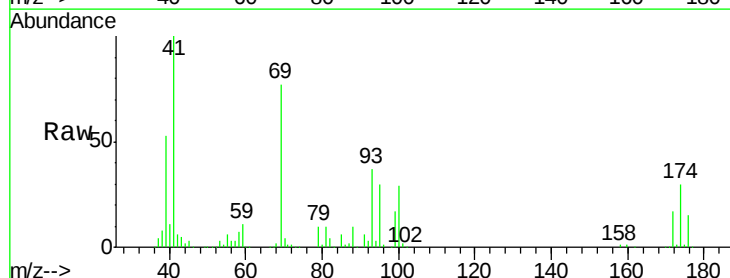
RT: 9.30 min Scan# 1241

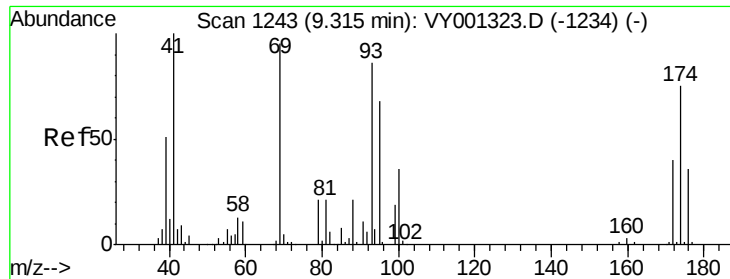
Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion:	41	Resp:	89246
Ion Ratio	Lower	Upper	
41	100		
69	85.5	70.2	105.4
39	55.5	45.7	68.5





#49

1,4-Dioxane

Concen: 1019.165 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

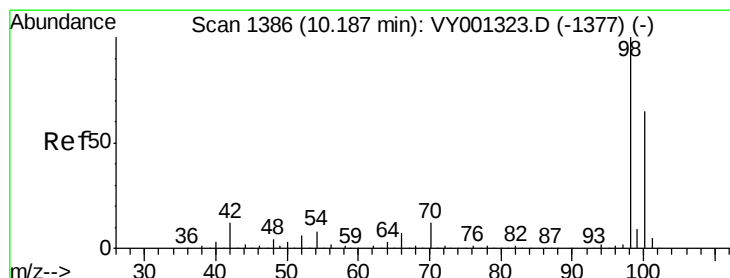
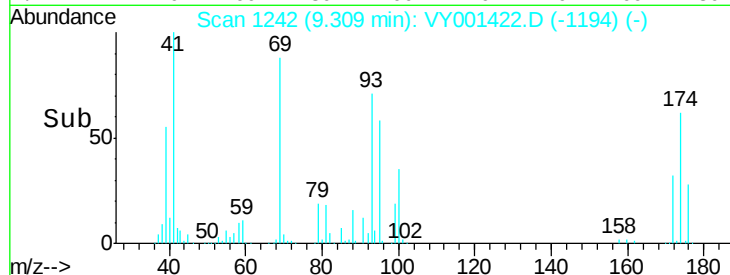
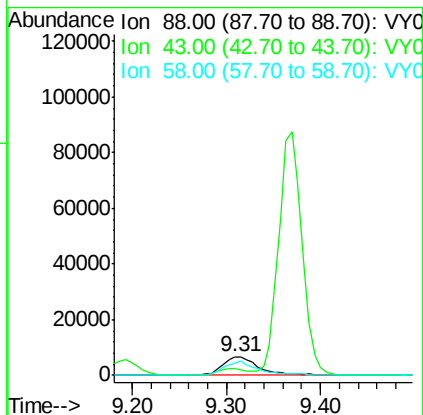
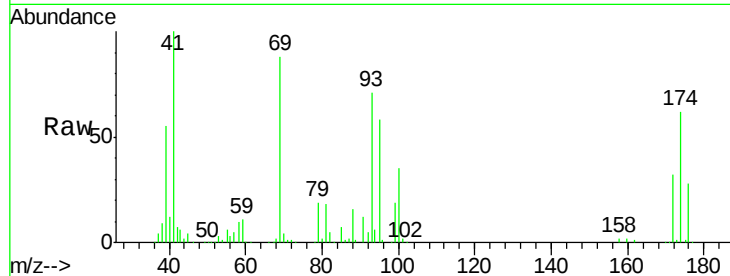
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	17957
Ion	Ratio	Lower	Upper
88	100		
43	29.6	28.2	42.2
58	73.7	55.6	83.4

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#50

Toluene-d8

Concen: 54.232 ug/l

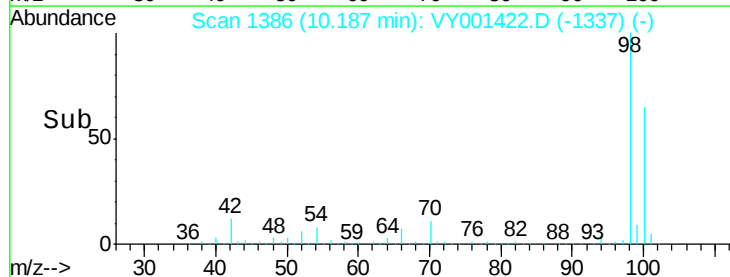
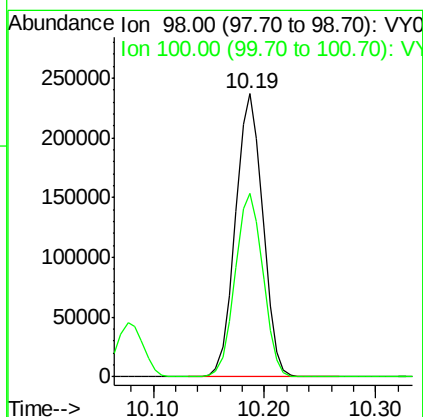
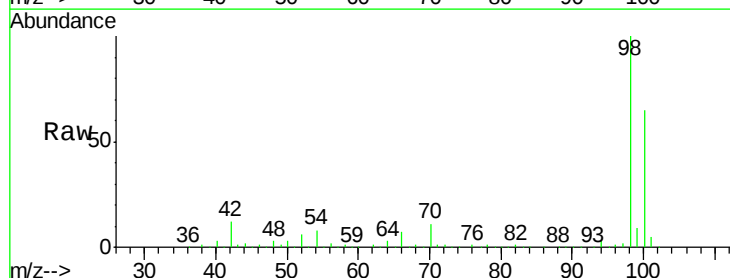
RT: 10.19 min Scan# 1386

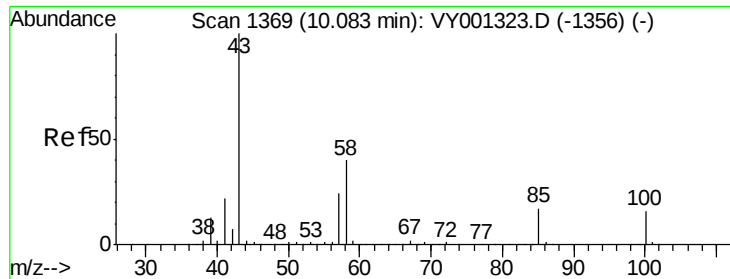
Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion:	98	Resp:	401903
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 270.345 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 507847

Ion Ratio Lower Upper

43 100

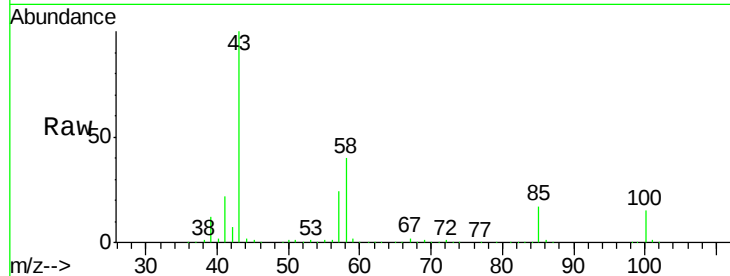
58 39.3 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

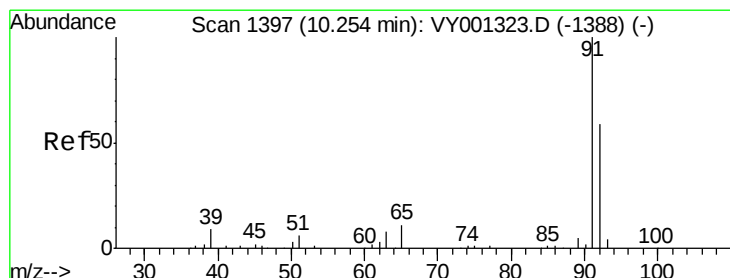
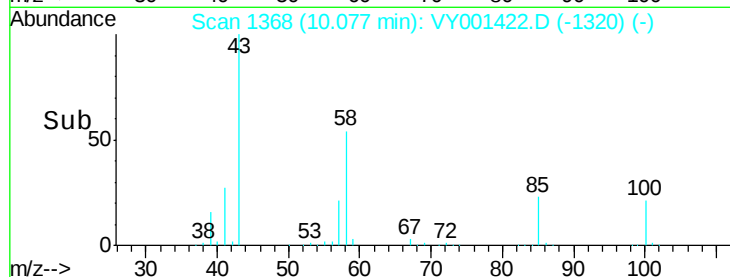
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.304 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001422.D

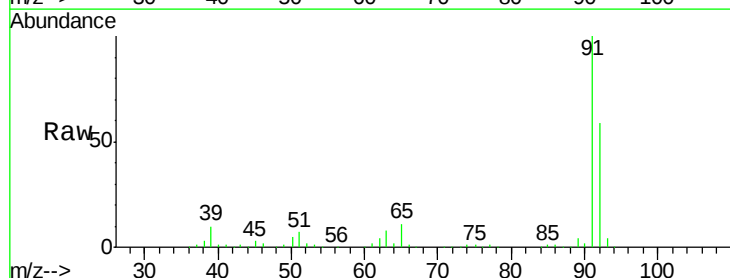
Acq: 29 Jan 2020 16:40

Tgt Ion: 92 Resp: 311080

Ion Ratio Lower Upper

92 100

91 171.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.25

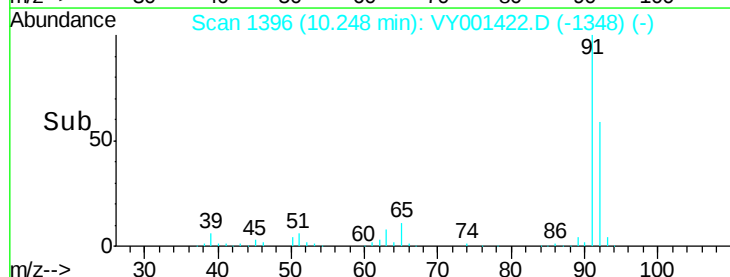
300000

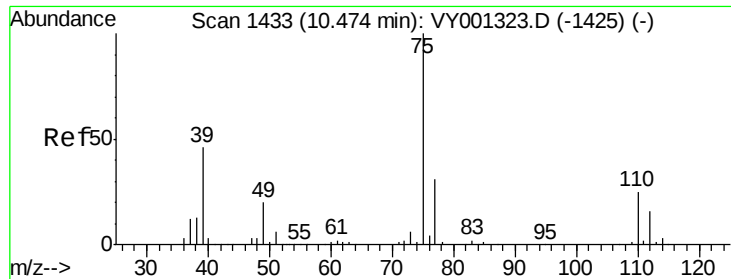
200000

100000

0

Time-->





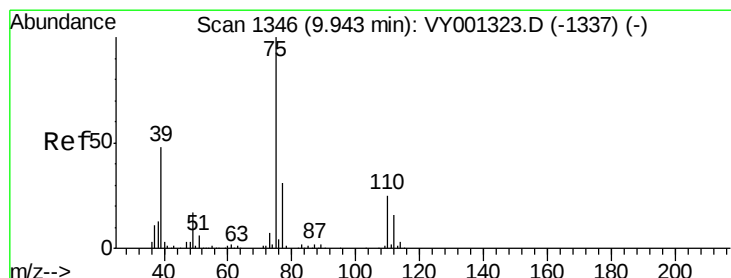
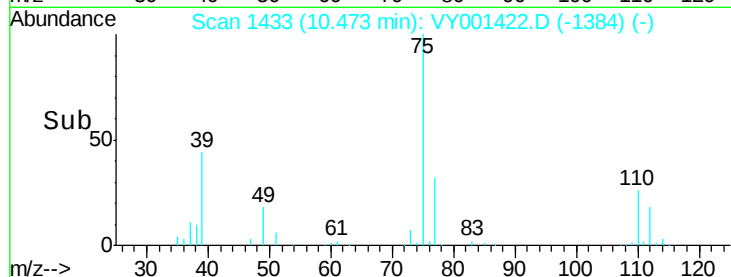
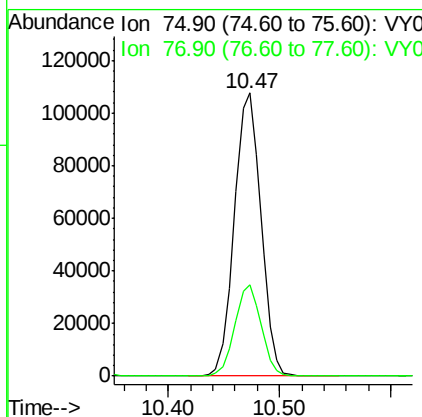
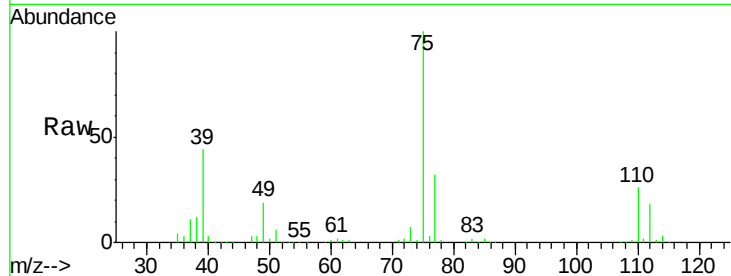
#53
t-1,3-Dichloropropene
Concen: 53.852 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 178279
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

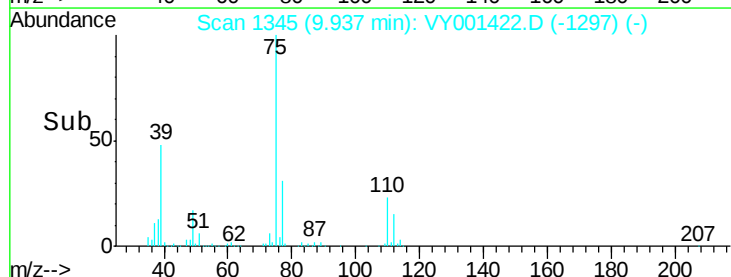
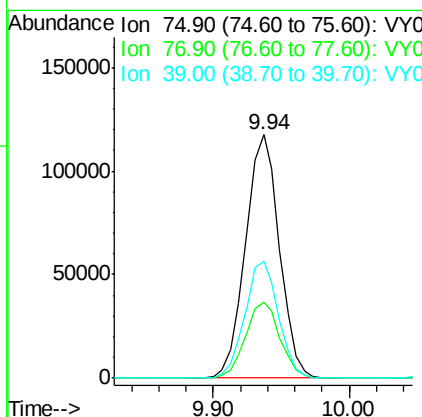
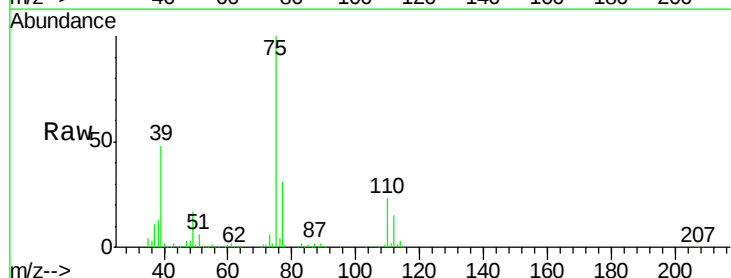
Manual Integrations
APPROVED

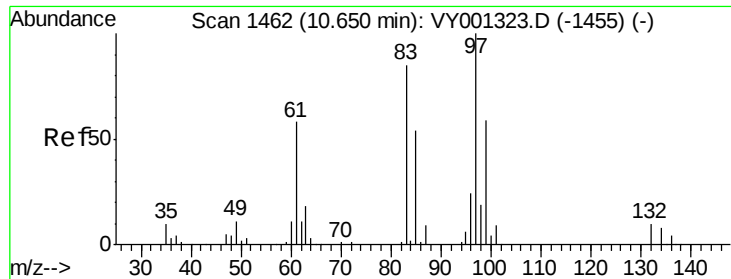
MMDadoda
1/30/2020 10:27:33 AM



#54
cis-1,3-Dichloropropene
Concen: 53.844 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 75 Resp: 204597
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 48.2 38.2 57.4





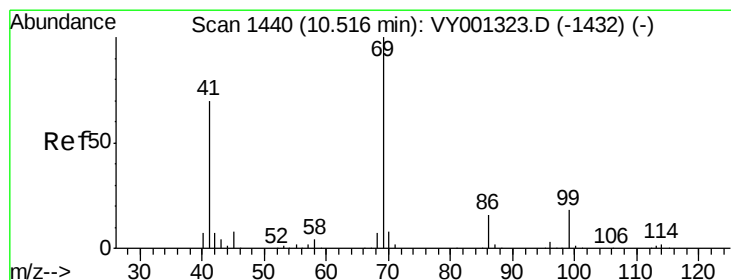
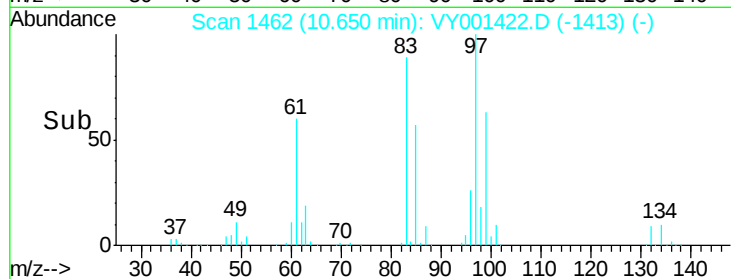
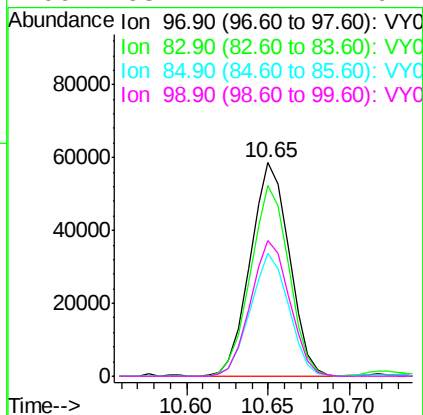
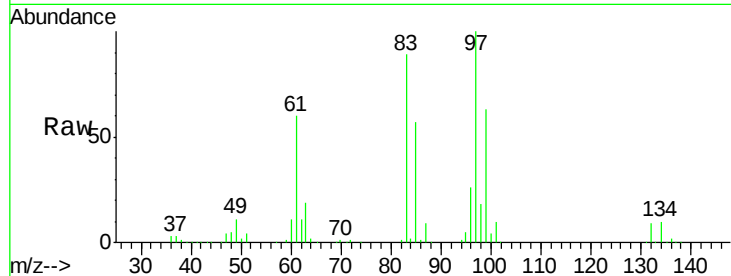
#55
 1,1,2-Trichloroethane
 Concen: 53.125 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	68.0	102.0
85	57.4	43.6	65.4
99	63.4	47.1	70.7

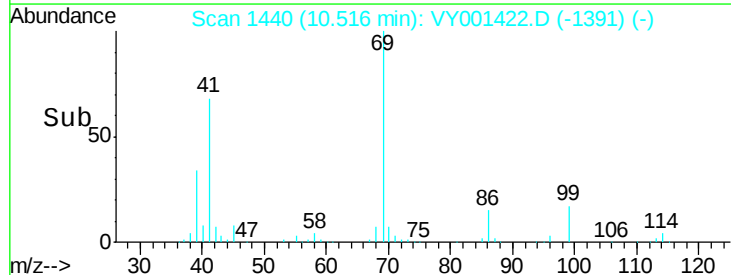
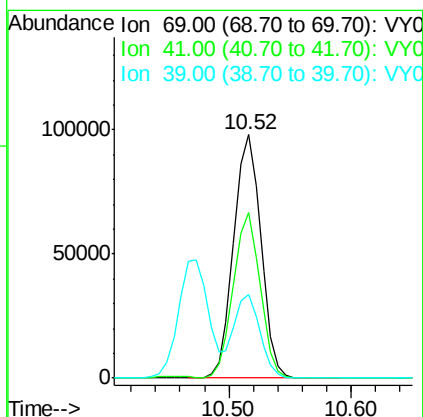
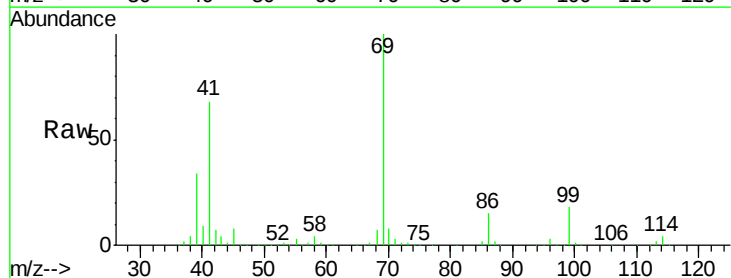
Manual Integrations
 APPROVED

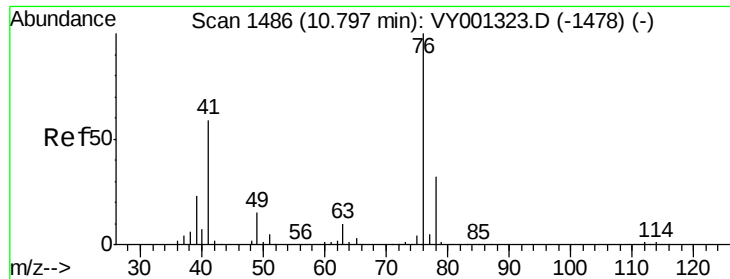
MMDadoda
 1/30/2020 10:27:33 AM



#56
 Ethyl methacrylate
 Concen: 54.193 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	34.0	26.8	40.2





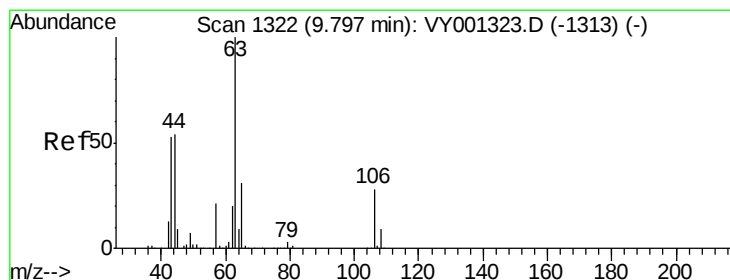
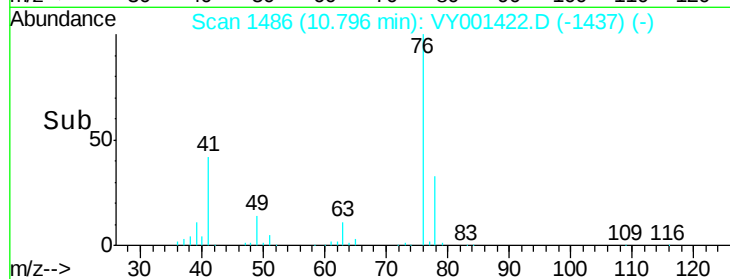
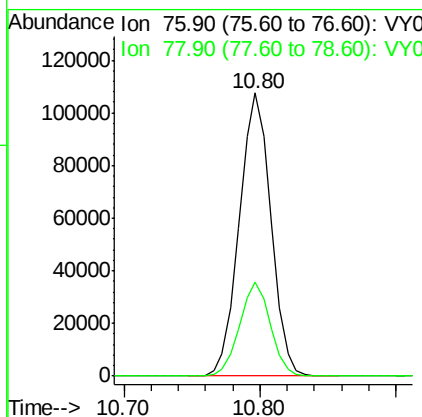
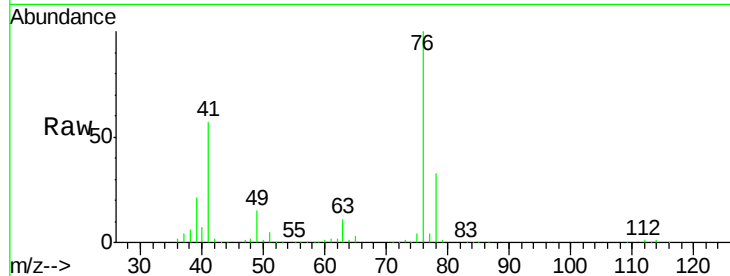
#57
 1,3-Dichloropropane
 Concen: 54.325 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

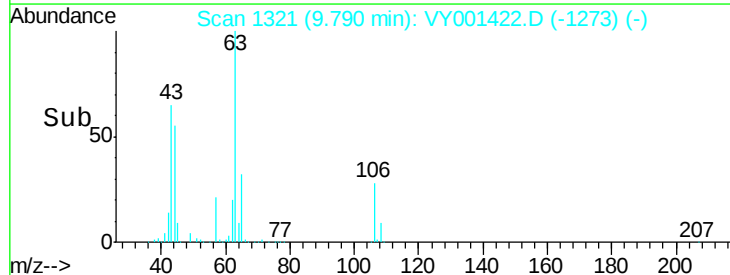
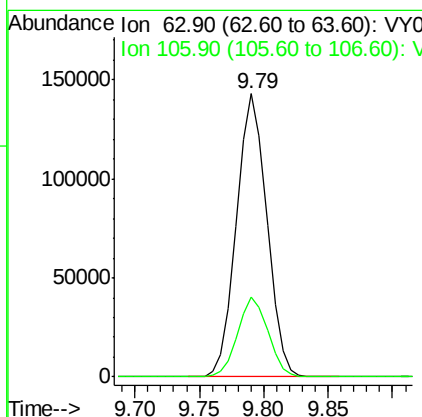
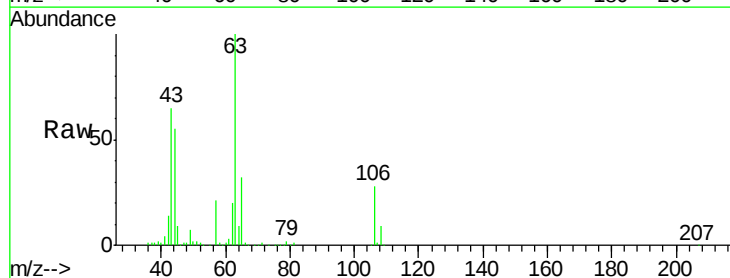
Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.563 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.5	33.7





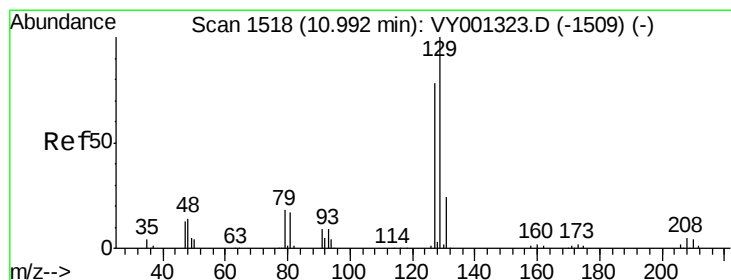
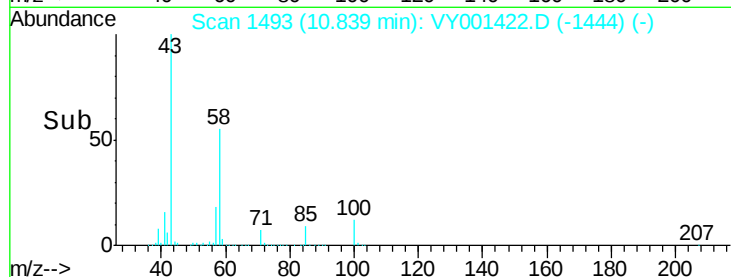
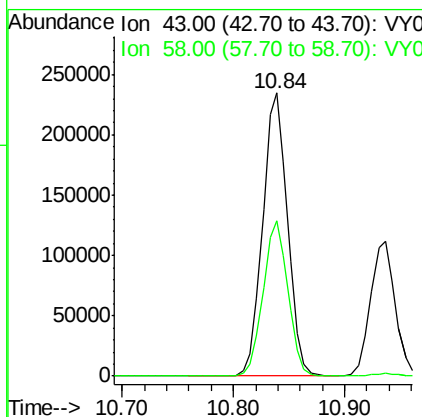
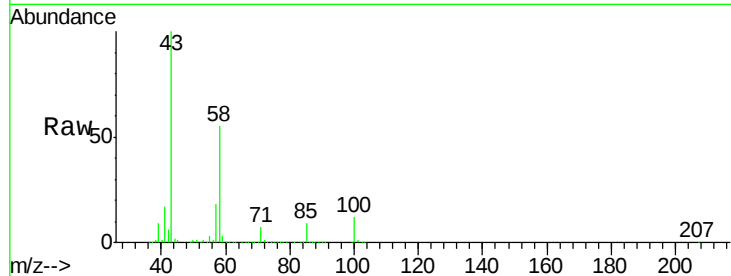
#59
2-Hexanone
Concen: 280.276 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 366536
Ion Ratio Lower Upper
43 100
58 54.8 27.6 82.8

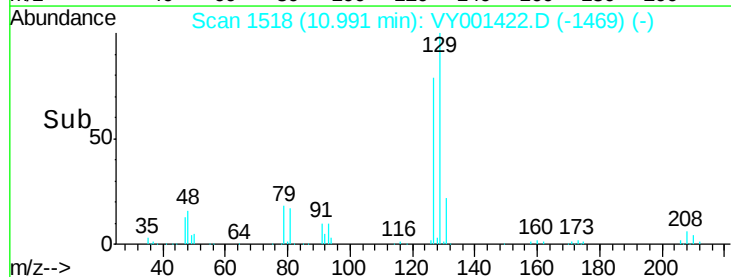
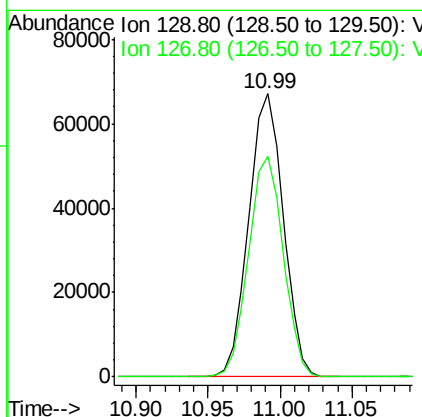
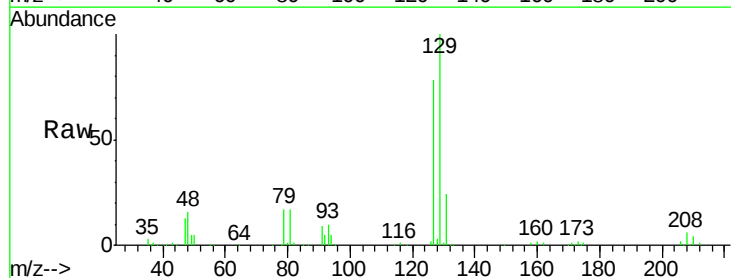
Manual Integrations
APPROVED

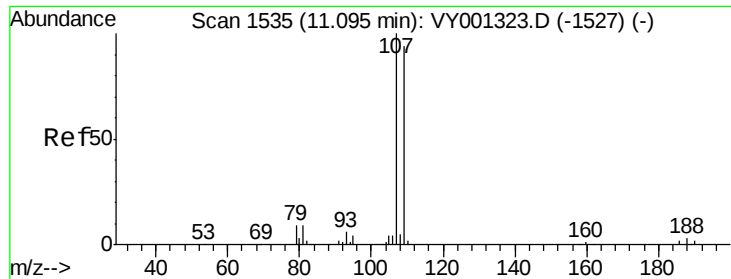
MMDadoda
1/30/2020 10:27:33 AM



#60
Dibromochloromethane
Concen: 54.084 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 129 Resp: 111552
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.4





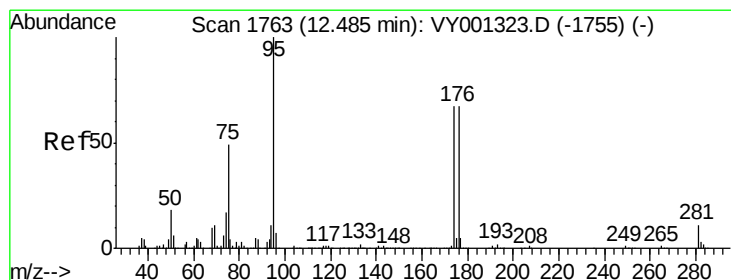
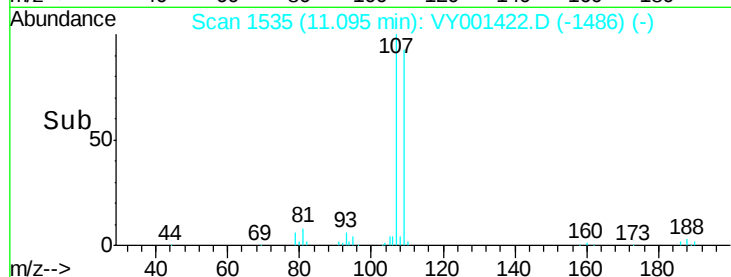
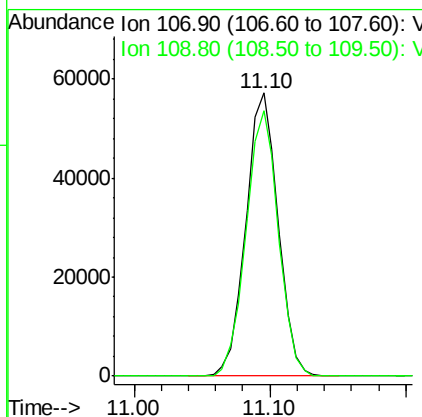
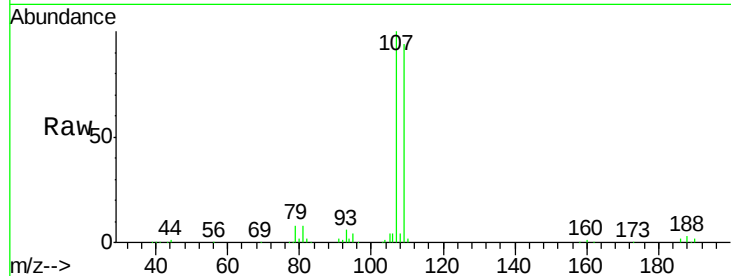
#61
1,2-Dibromoethane
Concen: 54.286 ug/l
RT: 11.10 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 107 Resp: 94640
Ion Ratio Lower Upper
107 100
109 94.2 75.0 112.6

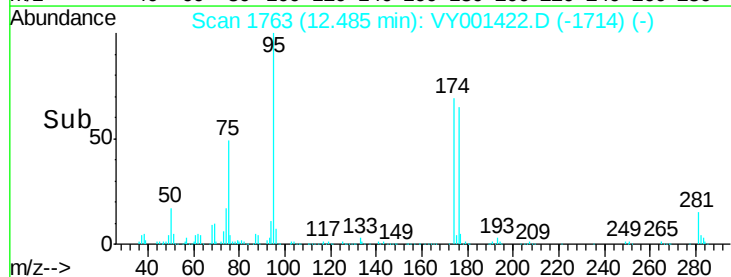
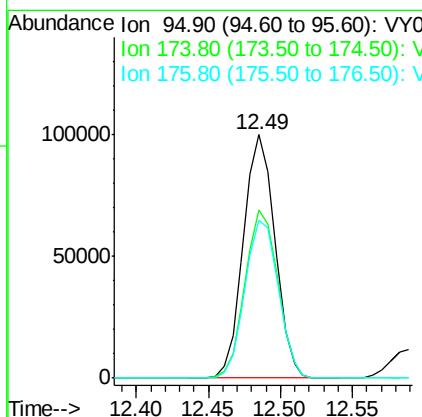
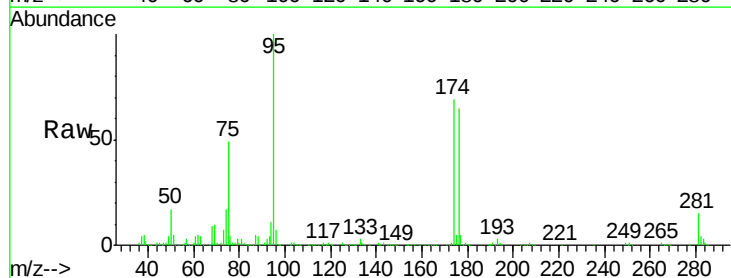
Manual Integrations
APPROVED

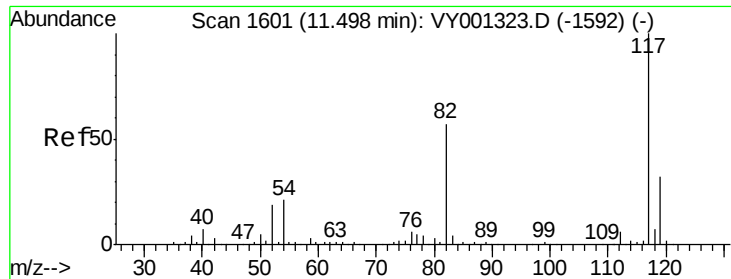
MMDadoda
1/30/2020 10:27:33 AM



#62
4-Bromofluorobenzene
Concen: 51.557 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion: 95 Resp: 152156
Ion Ratio Lower Upper
95 100
174 71.5 0.0 142.0
176 68.2 0.0 138.6





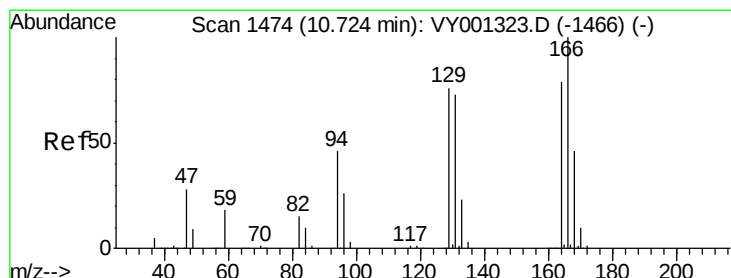
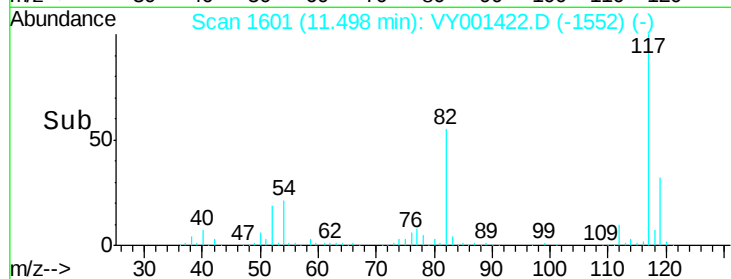
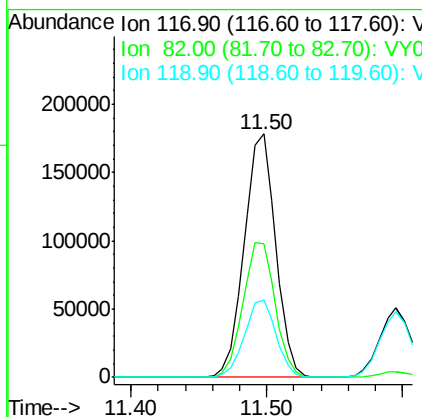
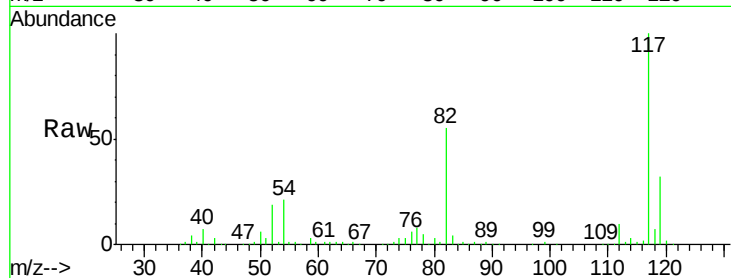
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.5	68.3
119	31.7	25.8	38.6

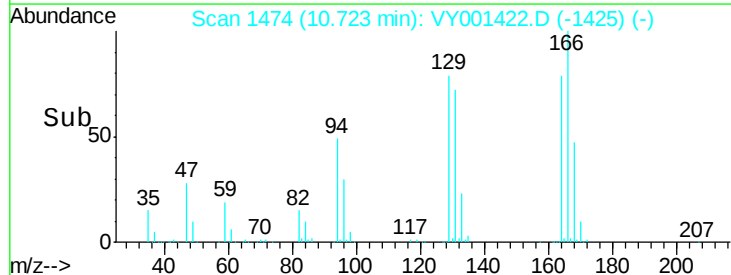
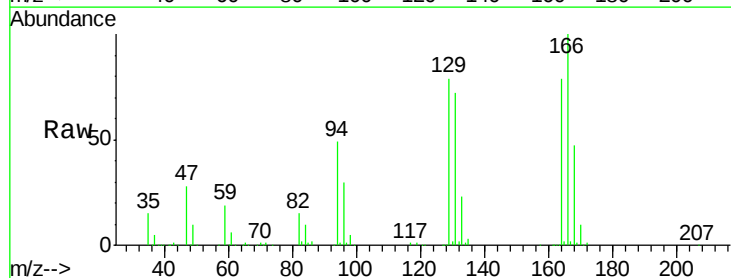
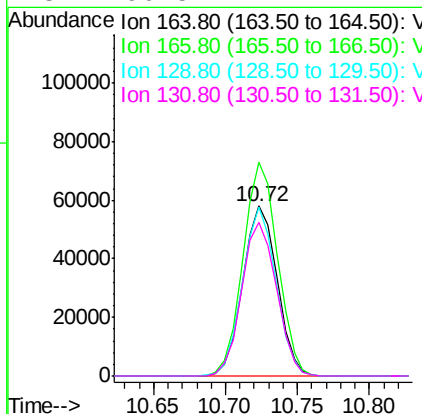
Manual Integrations
APPROVED

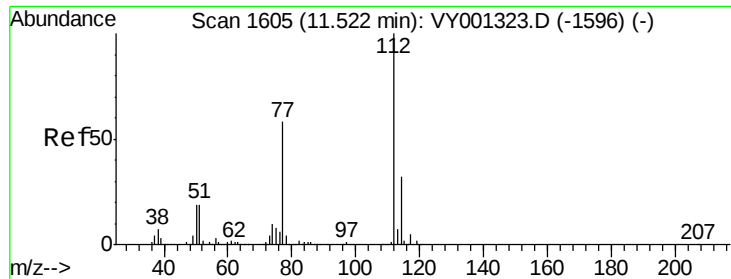
MMDadoda
1/30/2020 10:27:33 AM



#64
Tetrachloroethene
Concen: 51.886 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.8	152.8
129	99.8	77.1	115.7
131	90.5	74.2	111.2





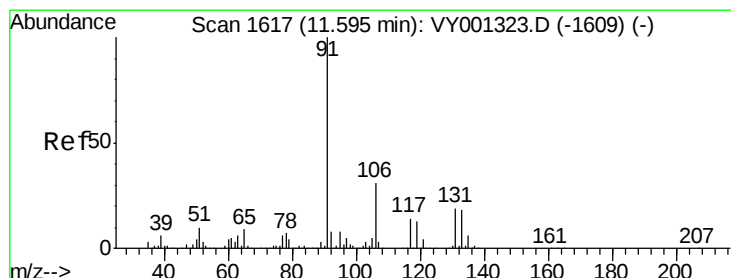
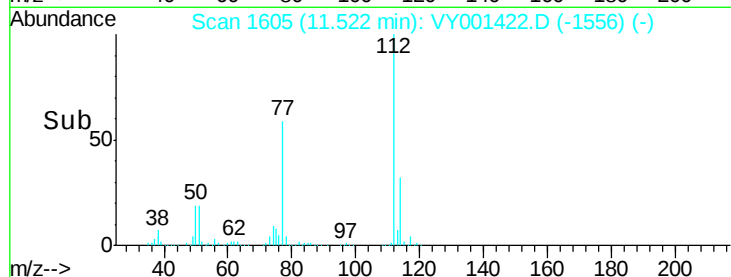
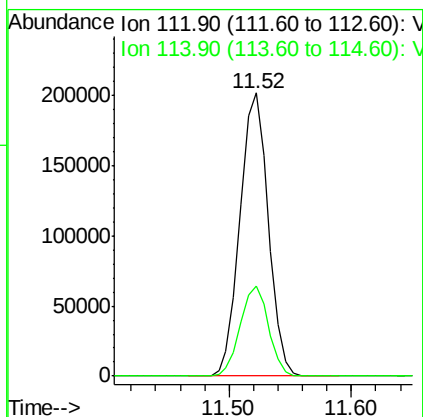
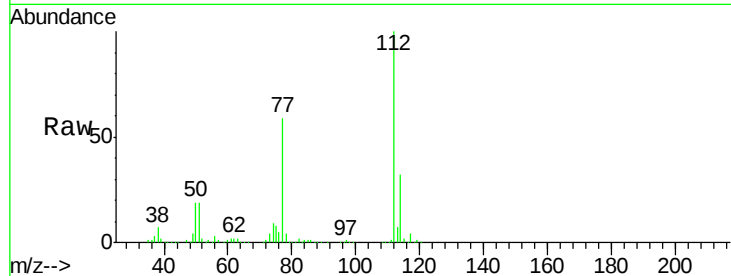
#65
Chlorobenzene
Concen: 53.303 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 324227
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

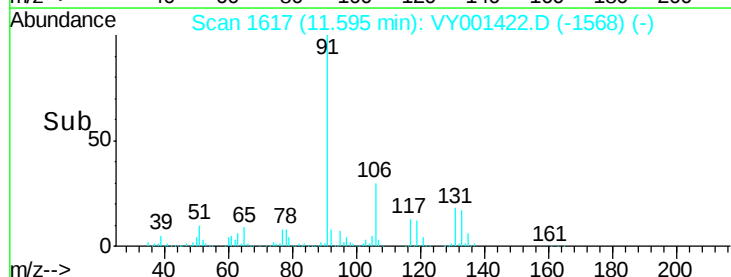
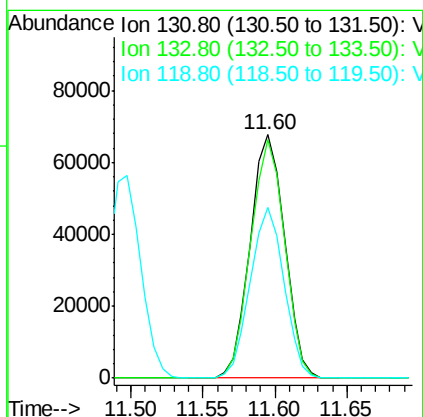
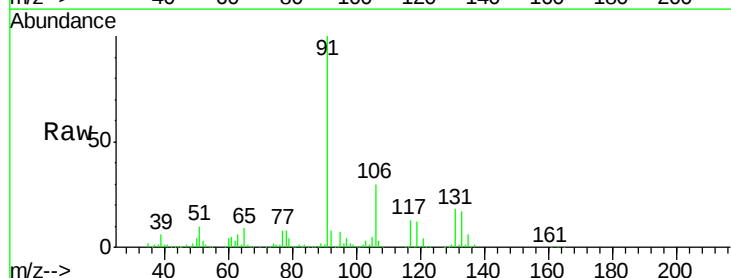
Manual Integrations
APPROVED

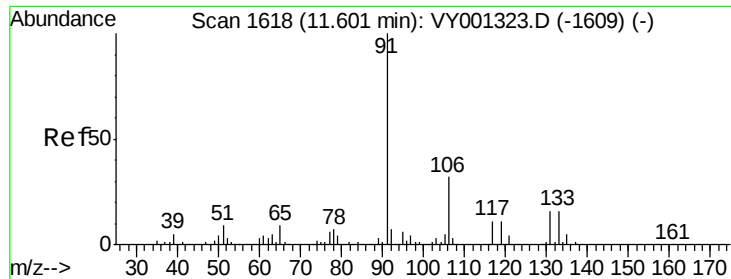
MMDadoda
1/30/2020 10:27:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.030 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion:131 Resp: 112158
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.3
119 68.8 34.1 102.2





#67

Ethyl Benzene

Concen: 53.665 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 601570

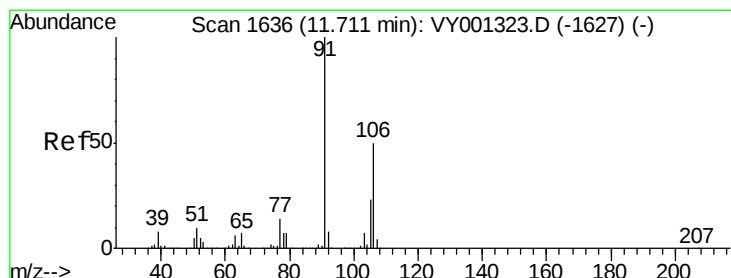
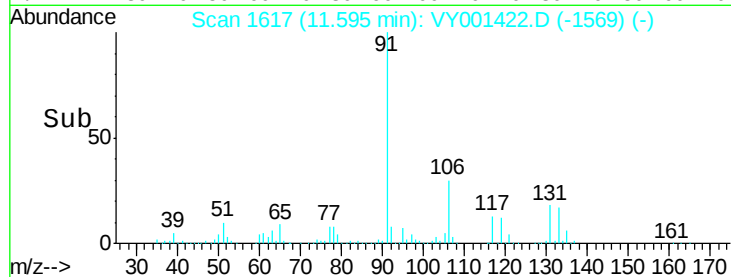
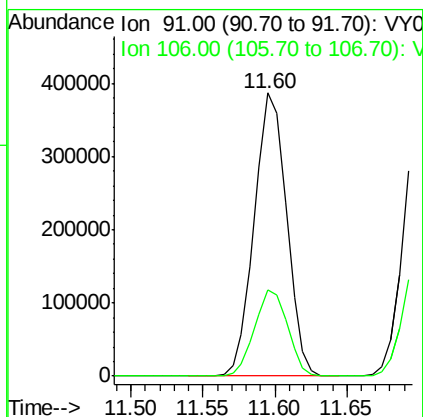
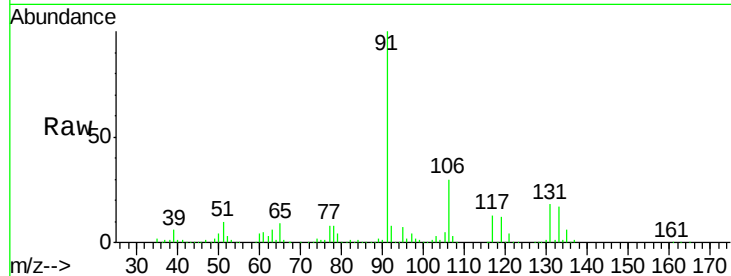
Ion Ratio Lower Upper

91 100

106 30.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#68

m/p-Xylenes

Concen: 106.065 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001422.D

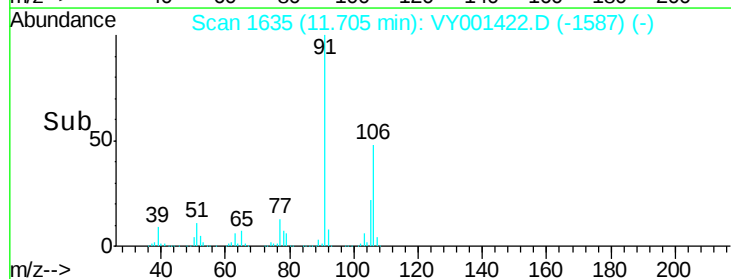
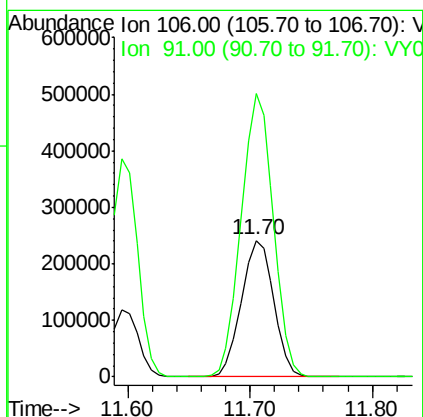
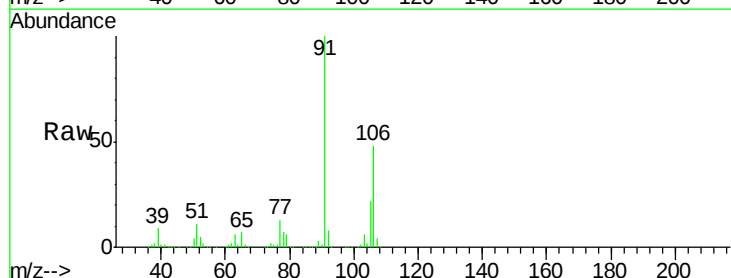
Acq: 29 Jan 2020 16:40

Tgt Ion: 106 Resp: 444065

Ion Ratio Lower Upper

106 100

91 205.4 162.8 244.2





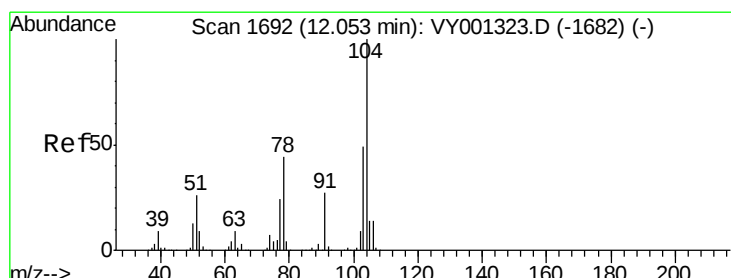
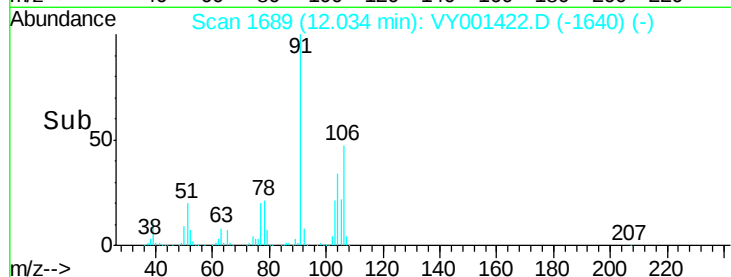
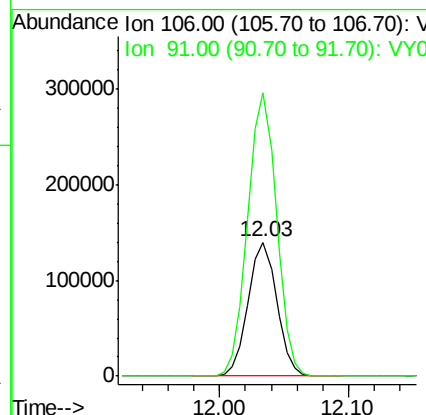
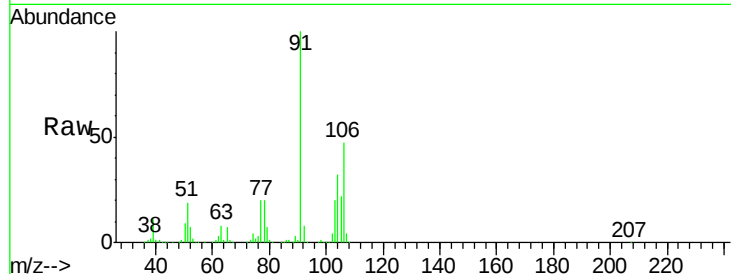
#69
o-Xylene
Concen: 53.589 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.6	106.3	319.0	

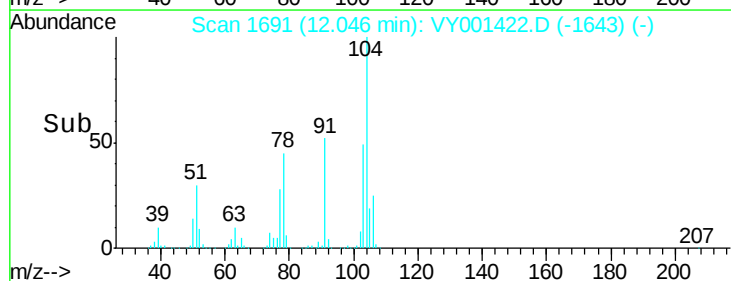
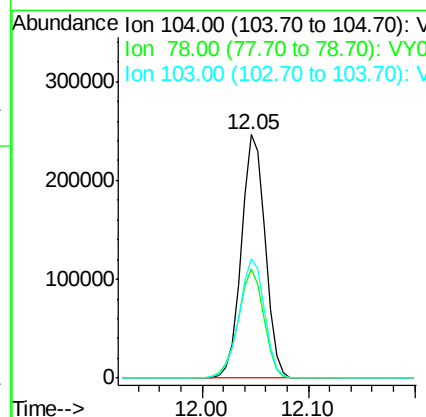
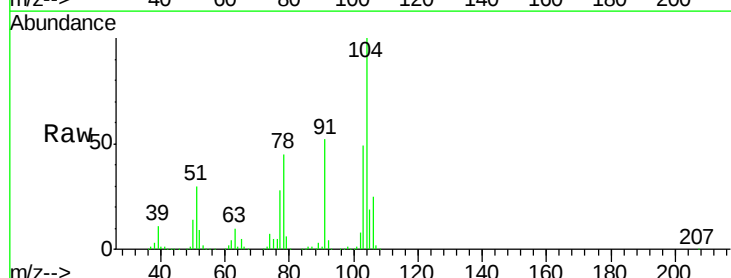
Manual Integrations
APPROVED

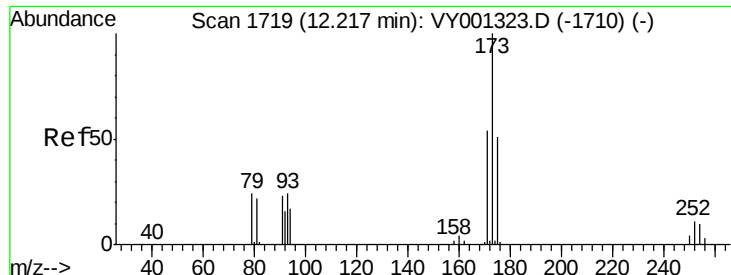
MMDadoda
1/30/2020 10:27:33 AM



#70
Styrene
Concen: 54.678 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	39.8	59.8	
103	52.6	43.2	64.8	





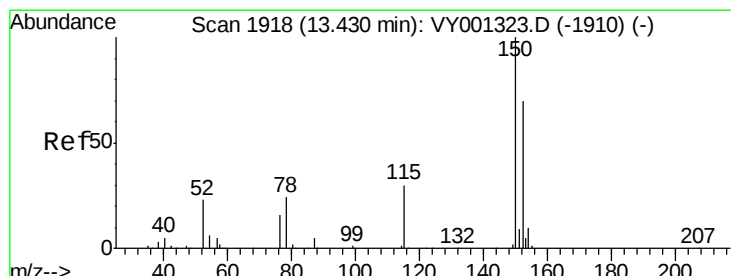
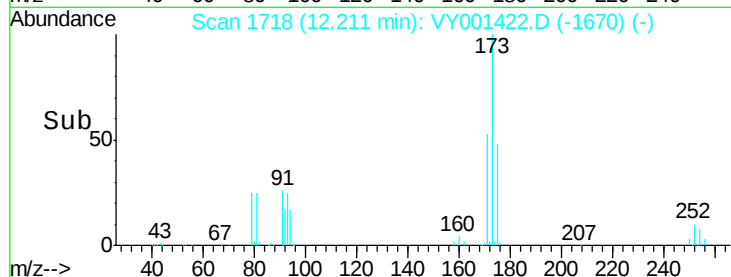
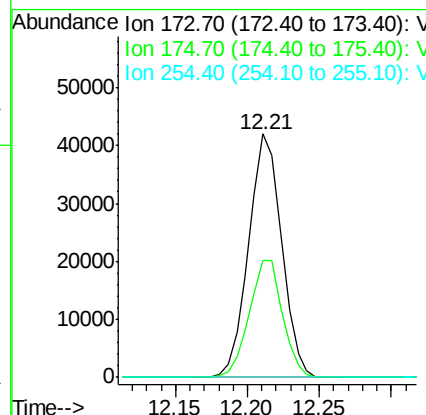
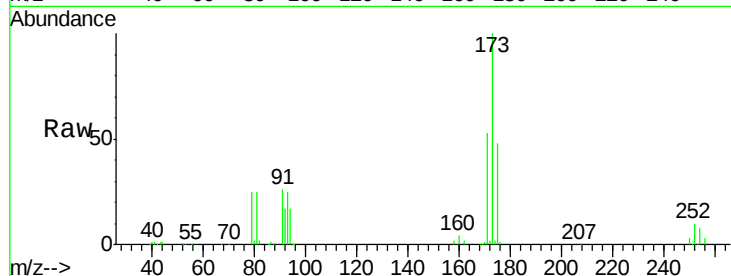
#71
Bromoform
Concen: 53.671 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.0	0.0	0.0

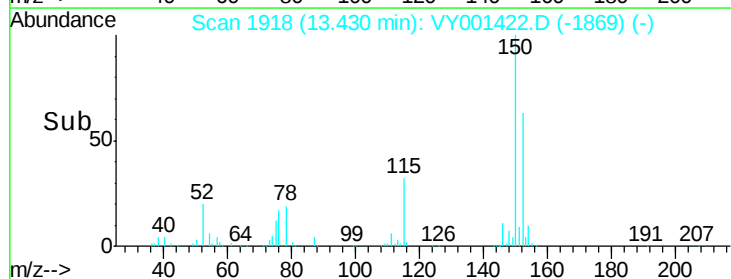
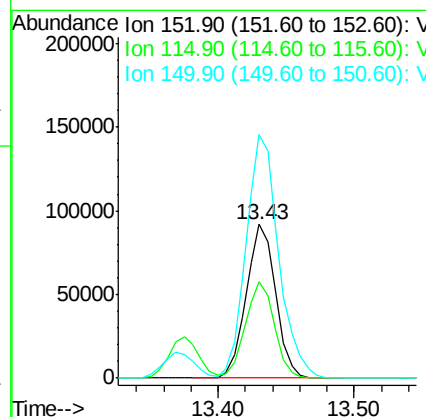
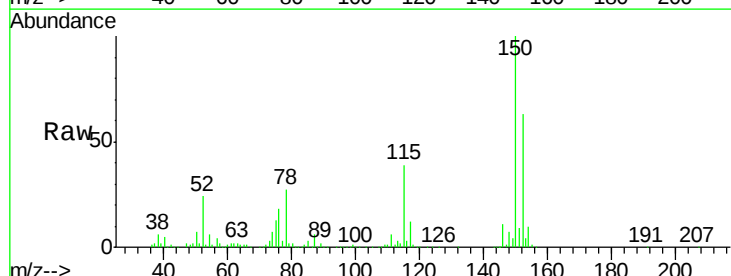
Manual Integrations
APPROVED

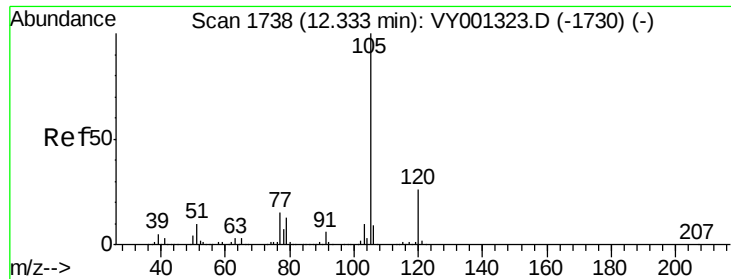
MMDadoda
1/30/2020 10:27:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.9	92.8
150	175.7	0.0	349.2





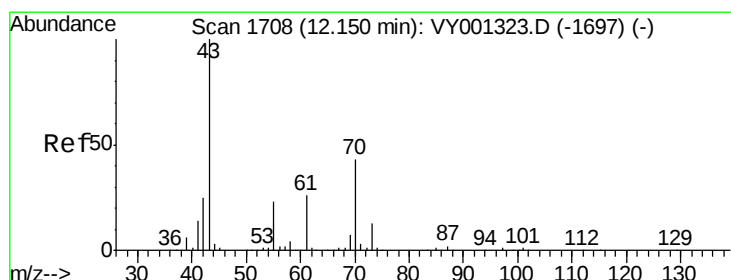
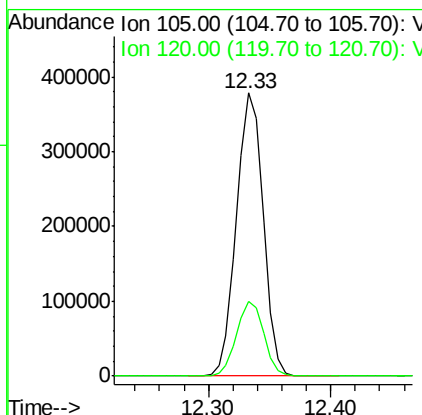
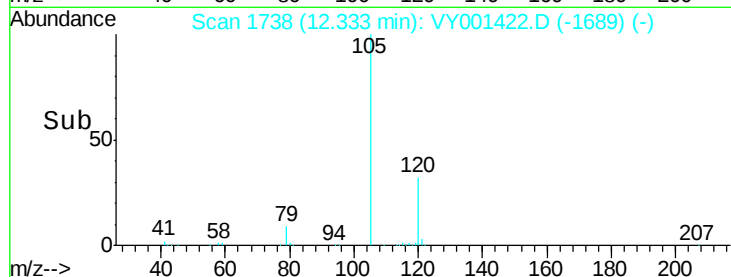
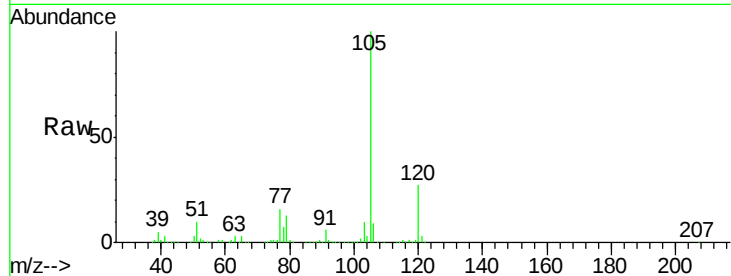
#73
Isopropylbenzene
Concen: 52.475 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

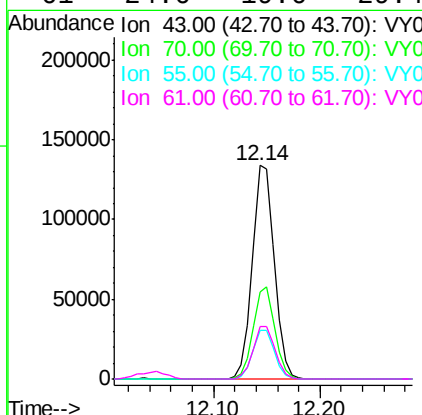
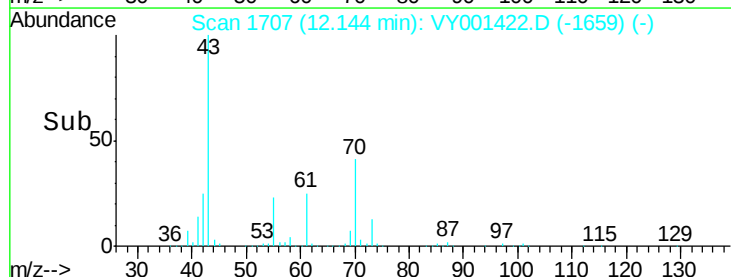
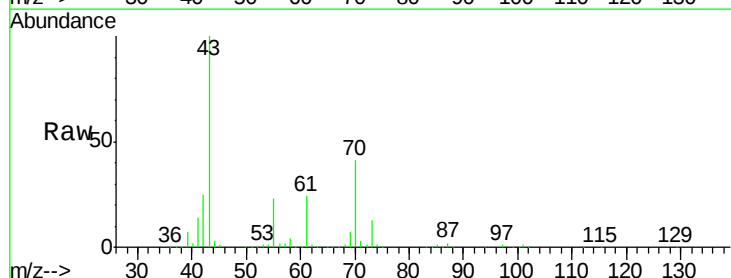
Manual Integrations
APPROVED

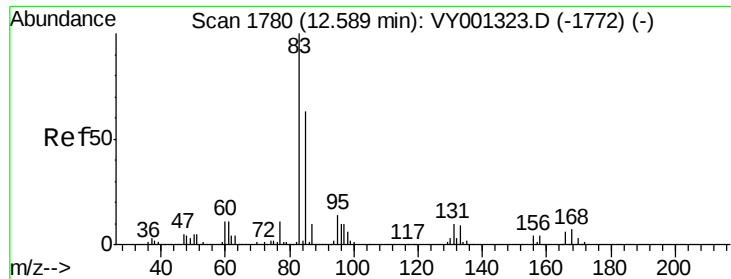
MMDadoda
1/30/2020 10:27:33 AM



#74
N-ethyl acetate
Concen: 54.814 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	33.5	50.3
55	23.0	18.2	27.2
61	24.6	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.514 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

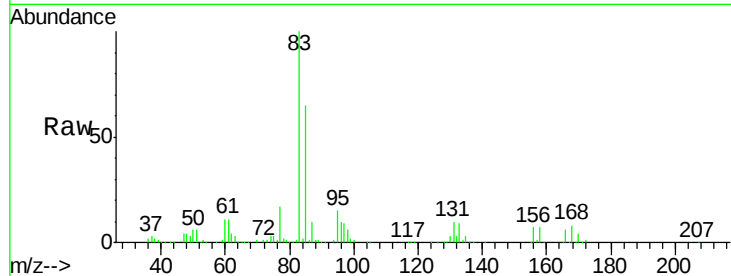
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	127317
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.6	31.4	94.3

Manual Integrations
APPROVED

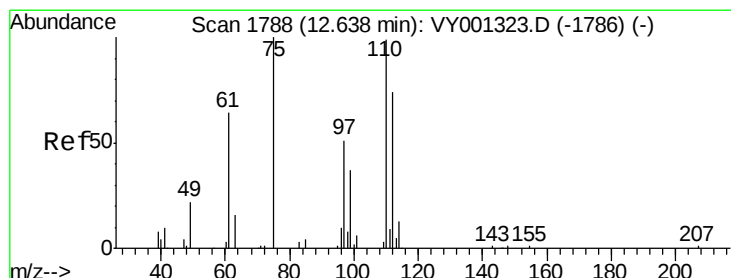
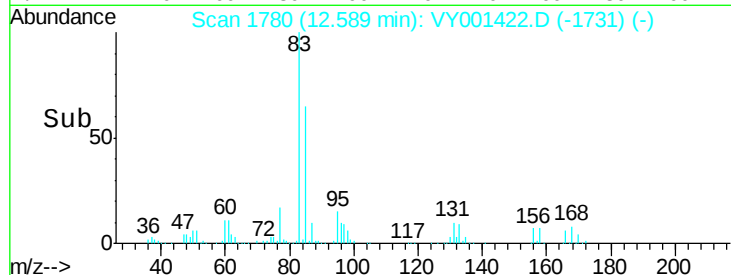
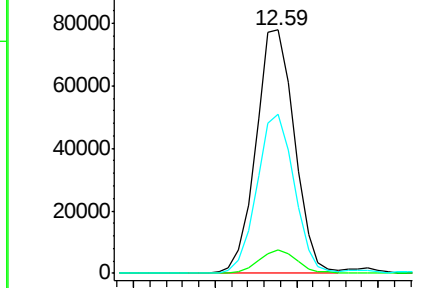
MMDadoda
1/30/2020 10:27:33 AM



Abundance Ion 82.90 (82.60 to 83.60): VY001422.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY001422.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY001422.D (-1731) (-)



#76

1,2,3-Trichloropropane

Concen: 51.282 ug/l m

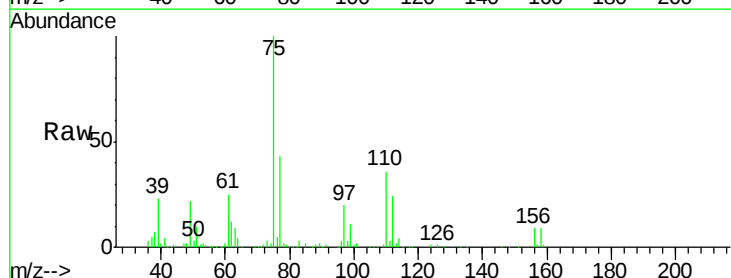
RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY001422.D

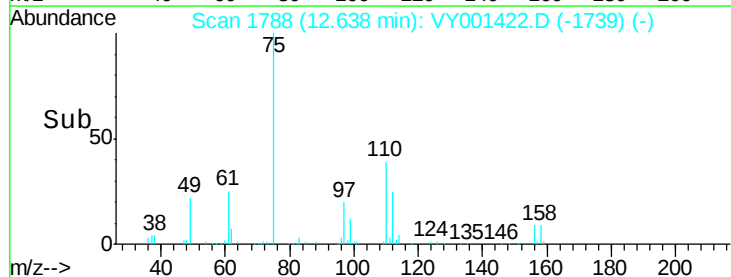
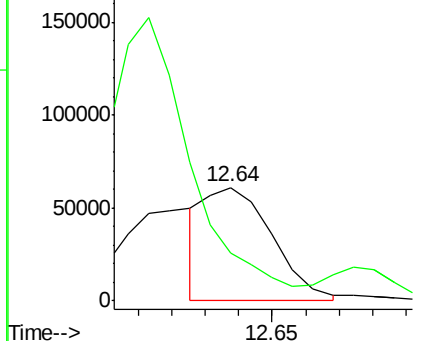
Acq: 29 Jan 2020 16:40

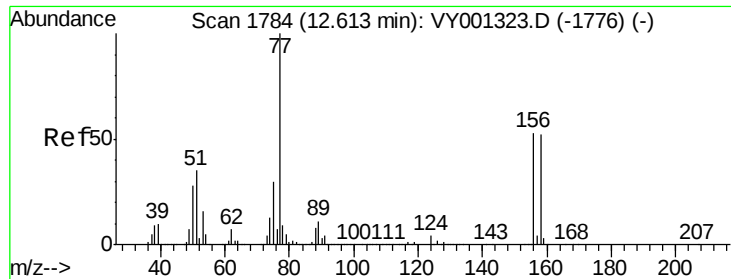
Tgt Ion:	75	Resp:	85401
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001422.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY001422.D (-1739) (-)





#77

Bromobenzene

Concen: 52.924 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

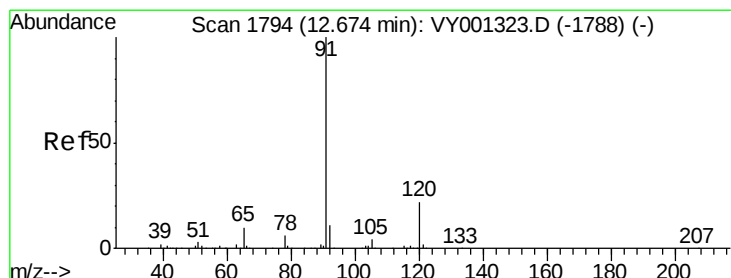
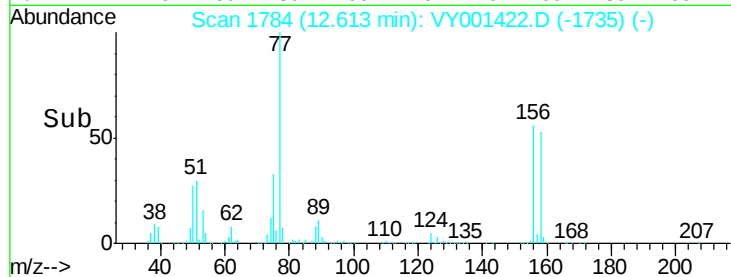
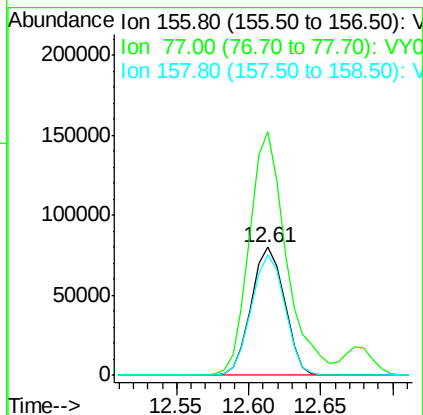
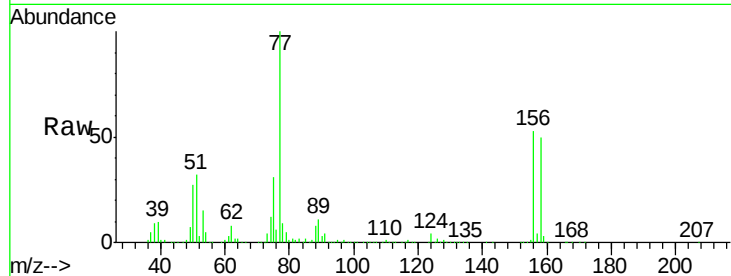
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	211.9	104.7	313.9
158	95.0	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#78

n-propylbenzene

Concen: 53.439 ug/l

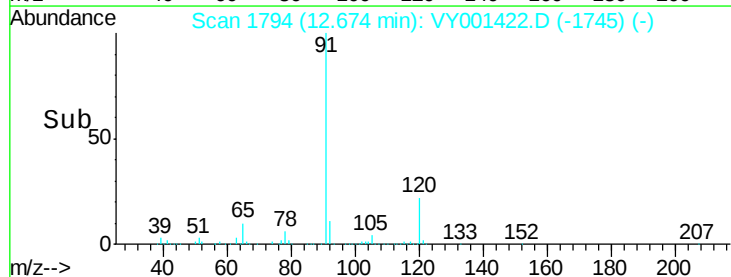
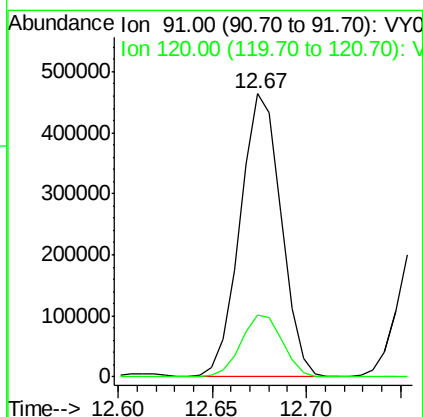
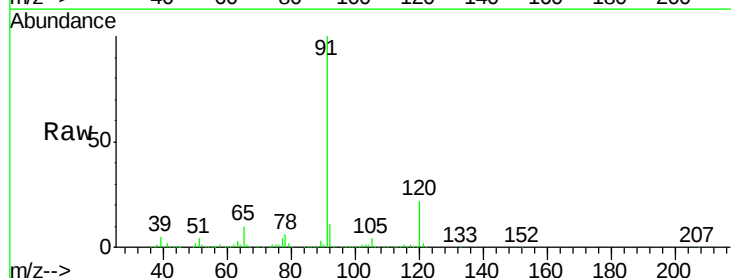
RT: 12.67 min Scan# 1794

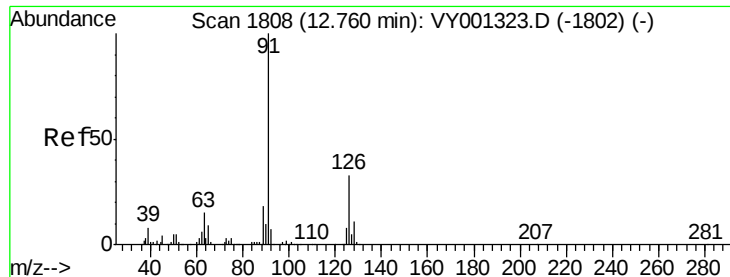
Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8





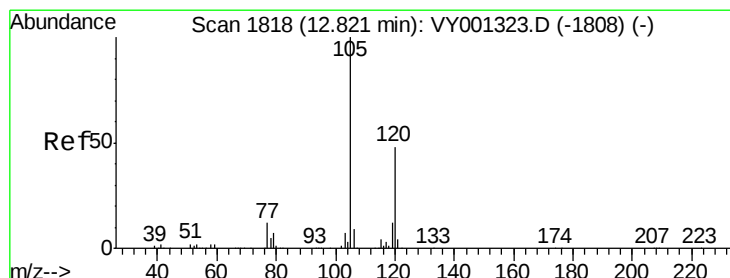
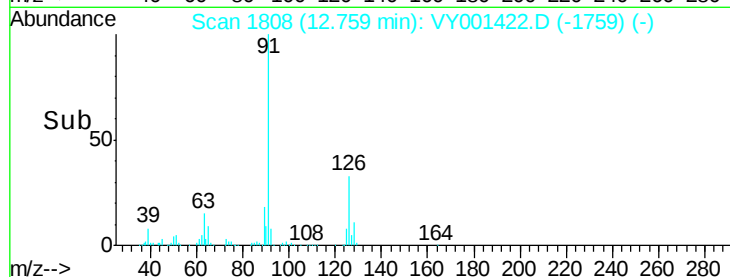
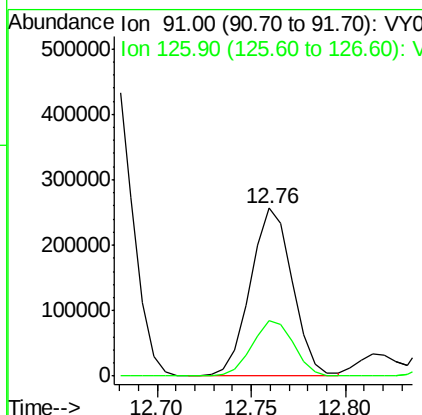
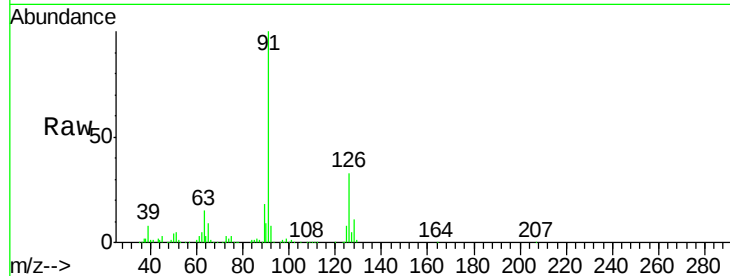
#79
 2-Chlorotoluene
 Concen: 52.990 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 397353
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.6 49.7

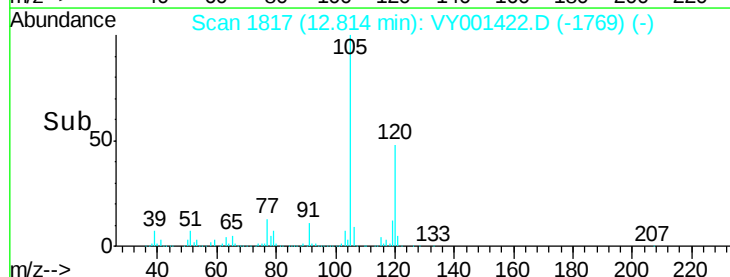
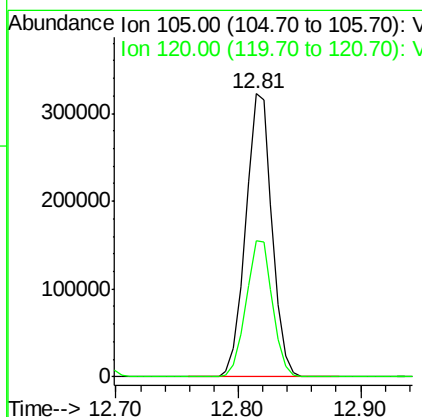
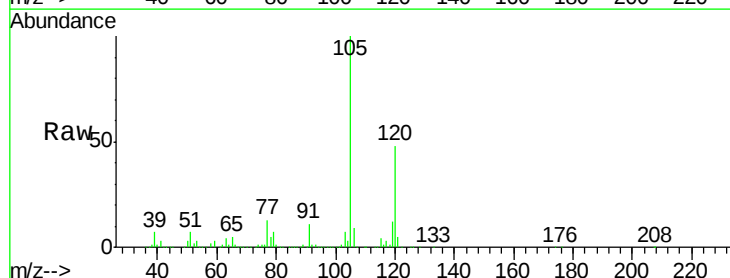
Manual Integrations
 APPROVED

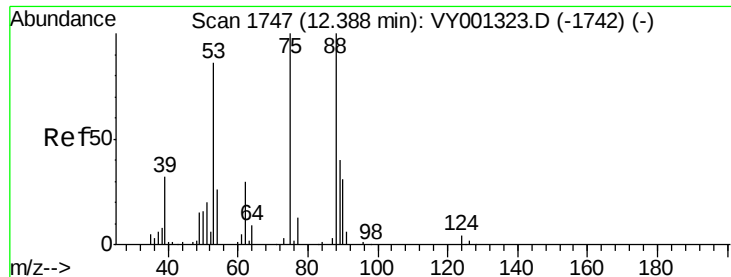
MMDadoda
 1/30/2020 10:27:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.721 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion: 105 Resp: 479906
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





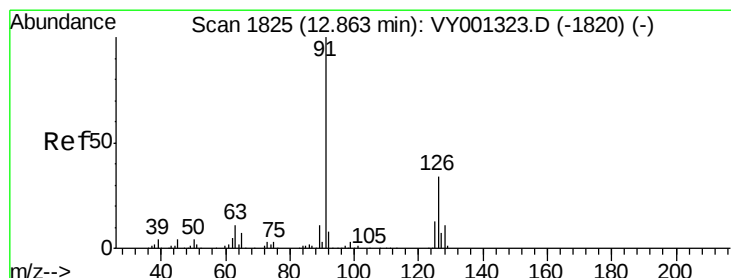
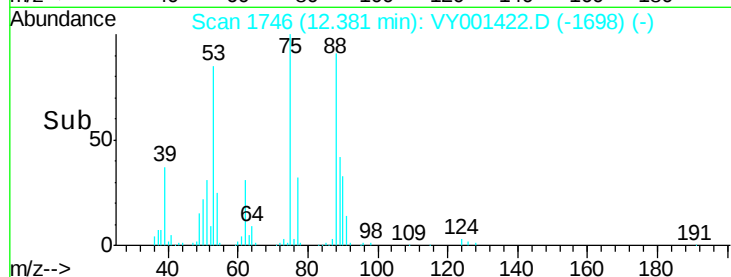
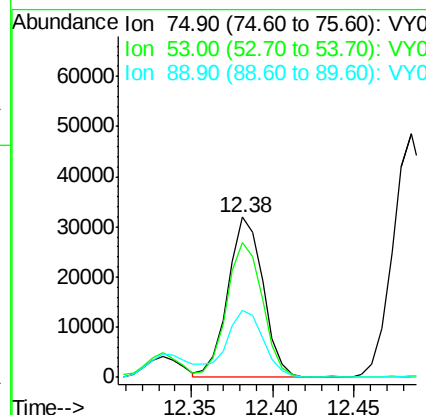
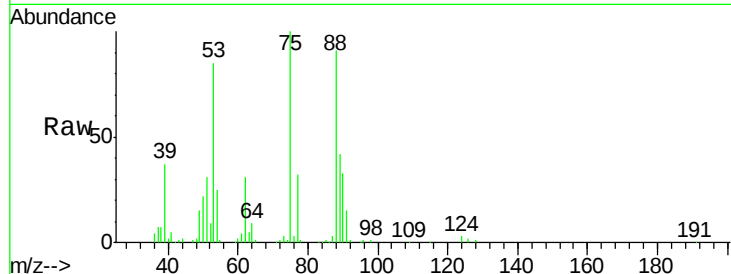
#81
trans-1,4-Dichloro-2-butene
Concen: 54.552 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.6	69.9	104.9
89	43.7	36.6	54.8

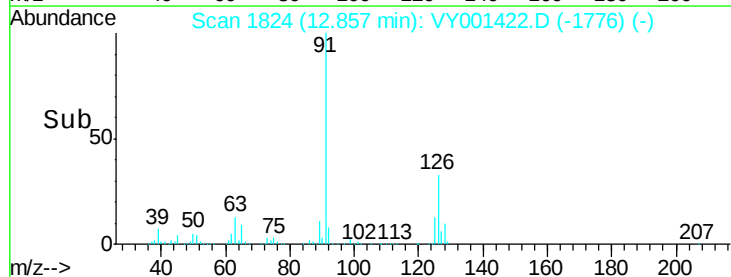
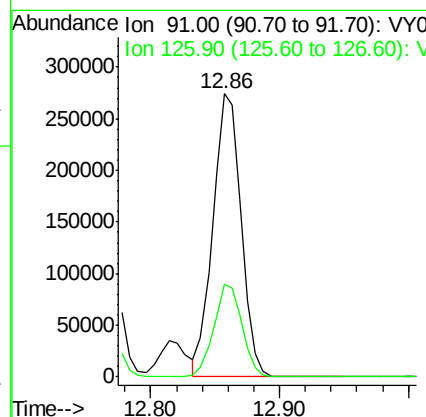
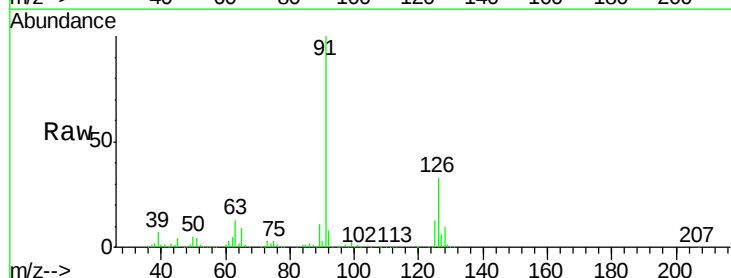
Manual Integrations
APPROVED

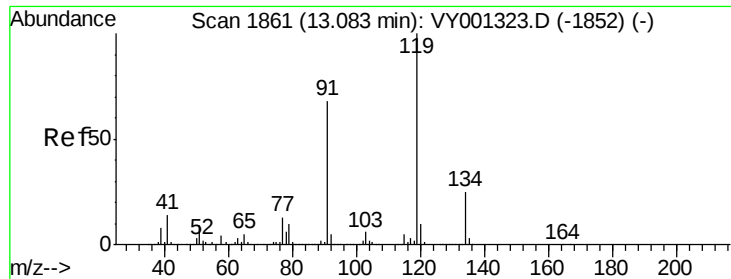
MMDadoda
1/30/2020 10:27:33 AM



#82
4-Chlorotoluene
Concen: 52.328 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4





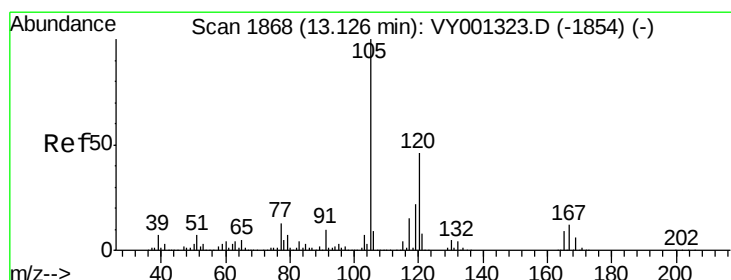
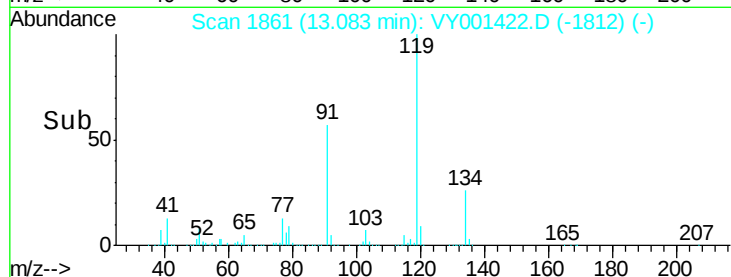
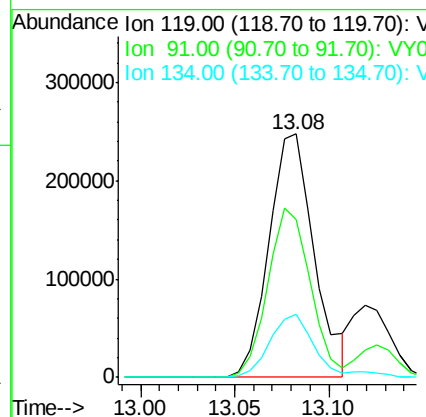
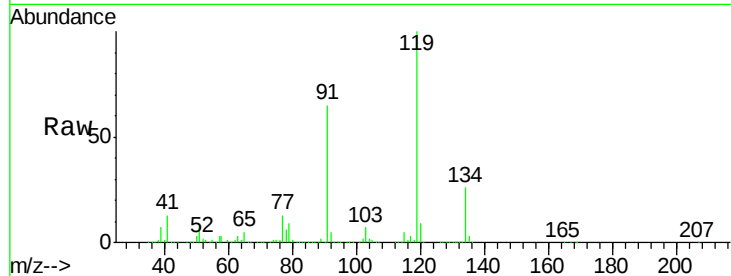
#83
tert-Butylbenzene
Concen: 53.776 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.0	99.0
134	26.1	13.3	39.9

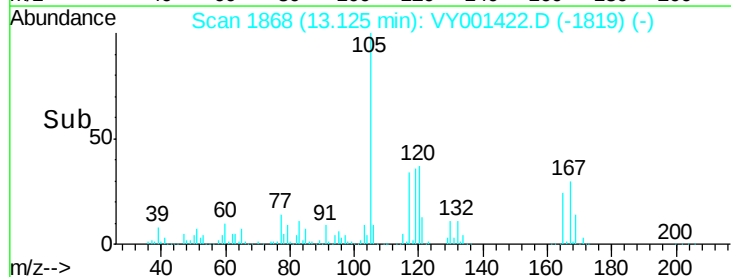
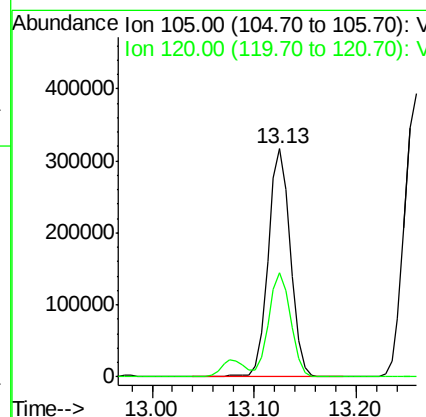
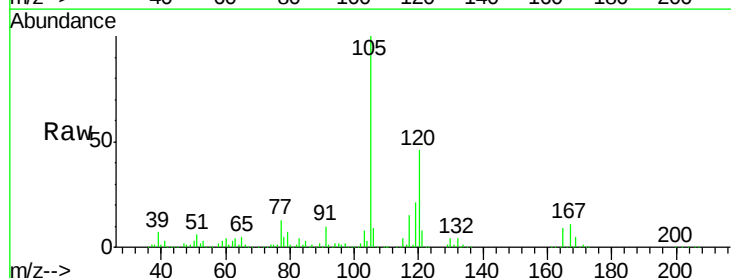
Manual Integrations
APPROVED

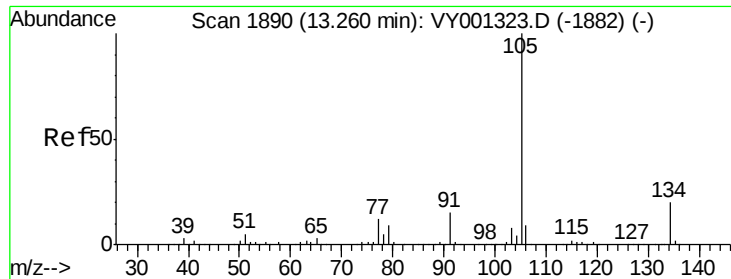
MMDadoda
1/30/2020 10:27:33 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.333 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 53.446 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 582651

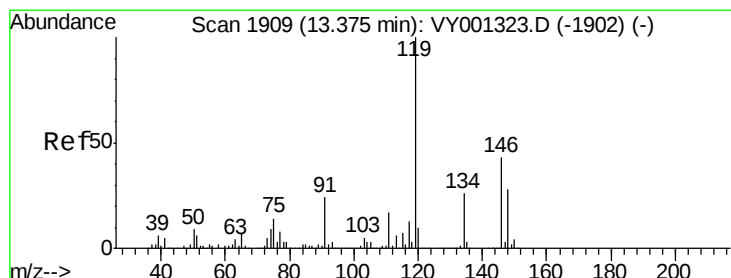
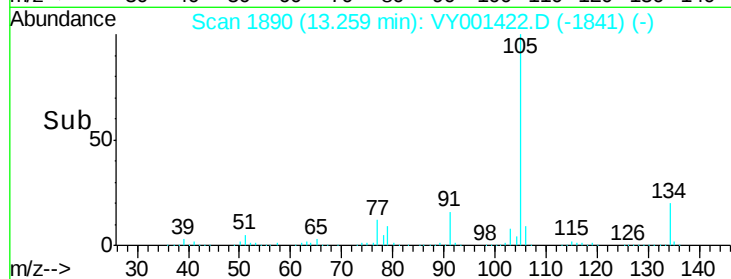
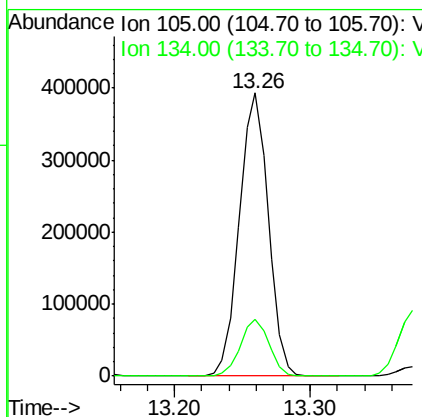
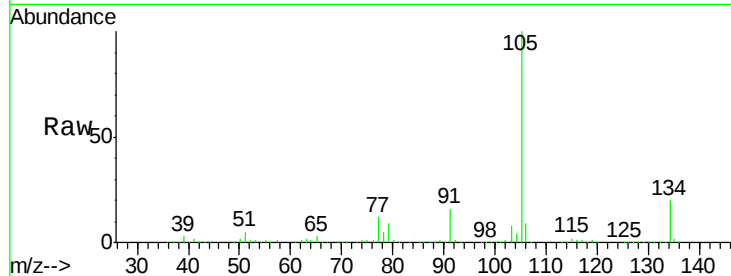
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.4

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#86

p-Isopropyltoluene

Concen: 52.498 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

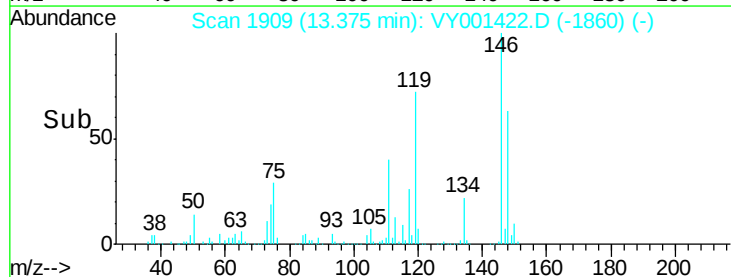
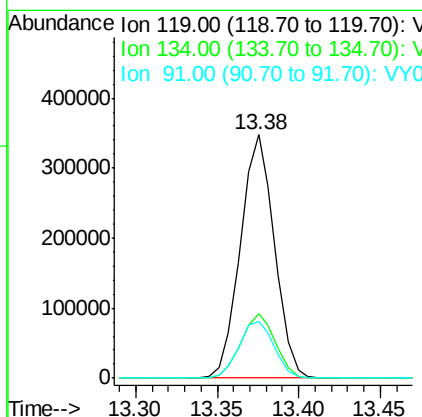
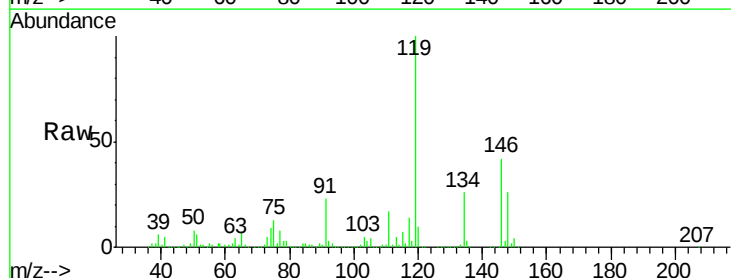
Tgt Ion:119 Resp: 504346

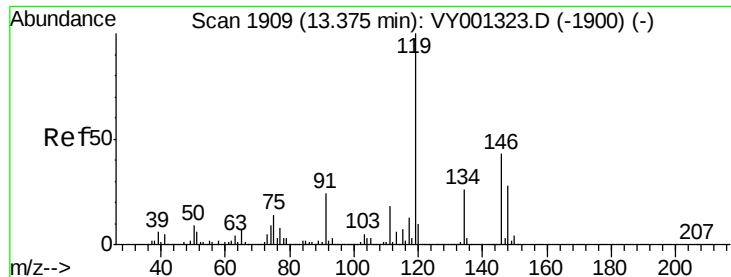
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 24.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 52.605 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

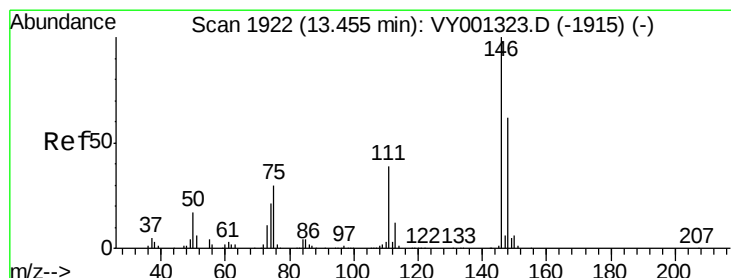
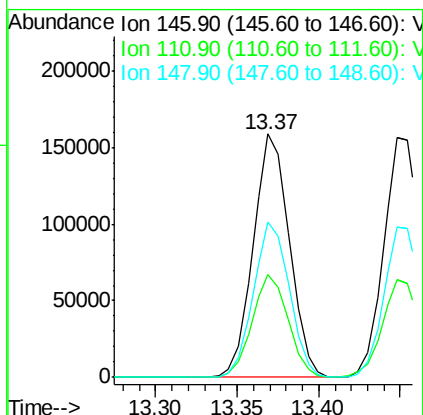
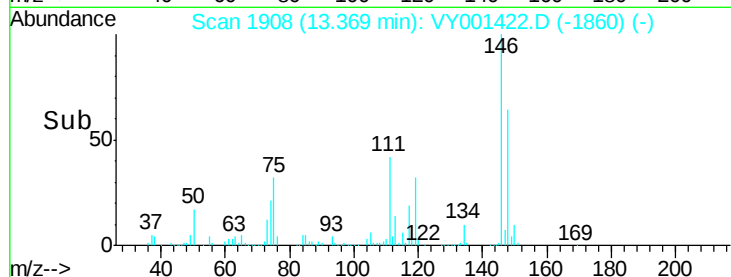
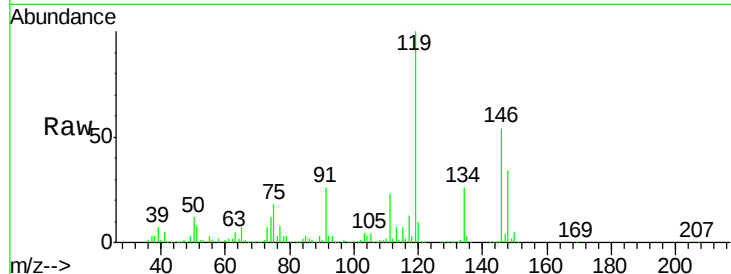
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	244708
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.6	61.8
148	63.3	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#88

1,4-Dichlorobenzene

Concen: 52.448 ug/l

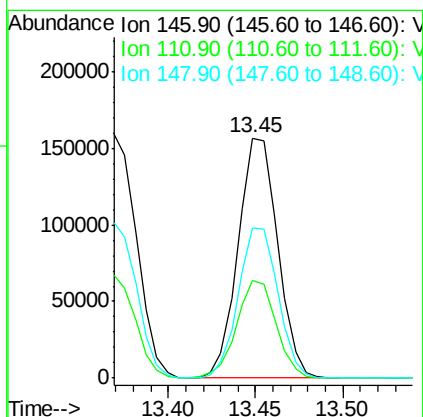
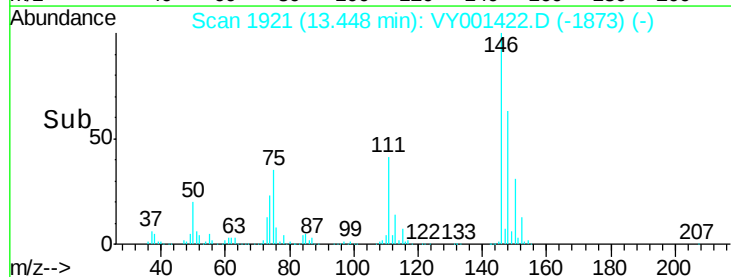
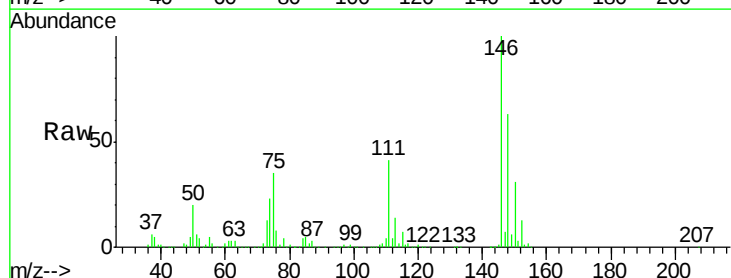
RT: 13.45 min Scan# 1921

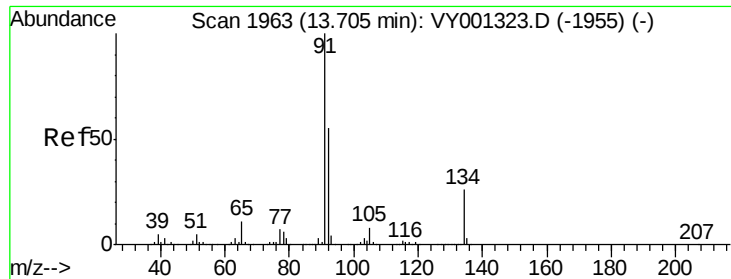
Delta R.T. -0.01 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion:	146	Resp:	247722
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.5	61.5
148	62.8	31.6	95.0





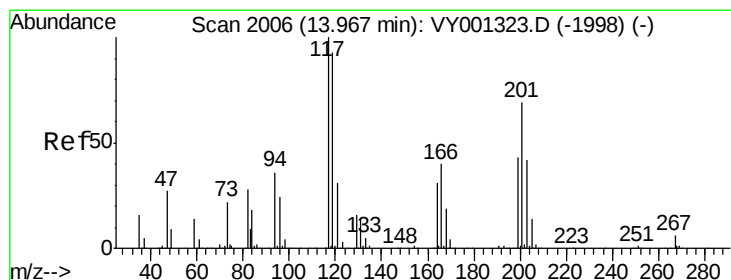
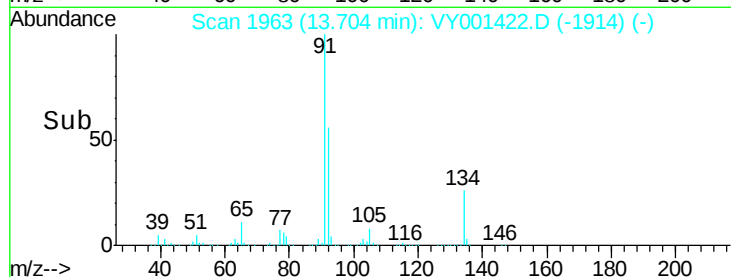
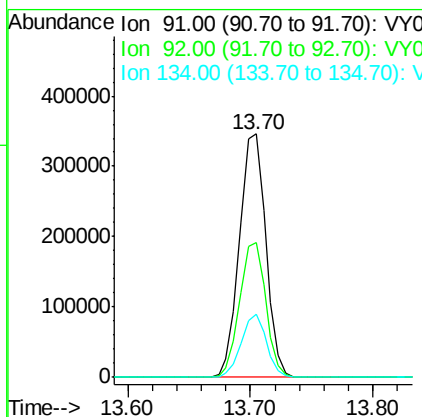
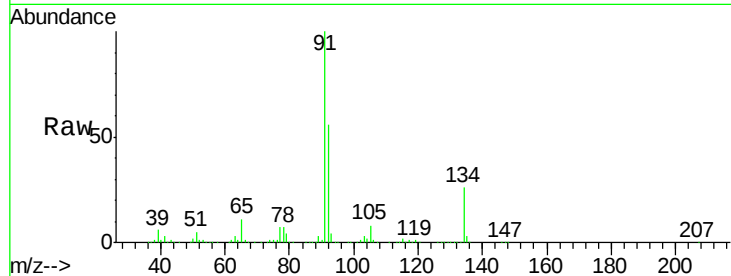
#89
n-Butylbenzene
Concen: 53.504 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	517308		
92	54.9		27.6	82.8
134	24.9		12.9	38.6

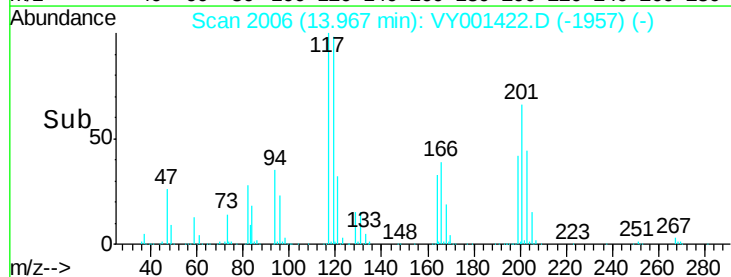
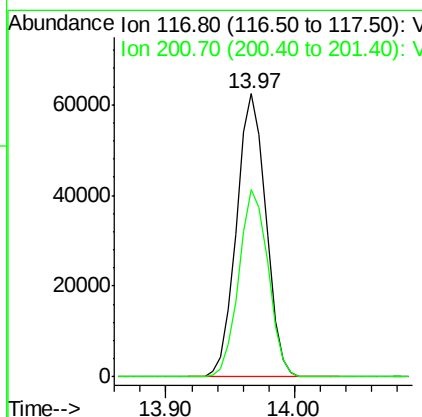
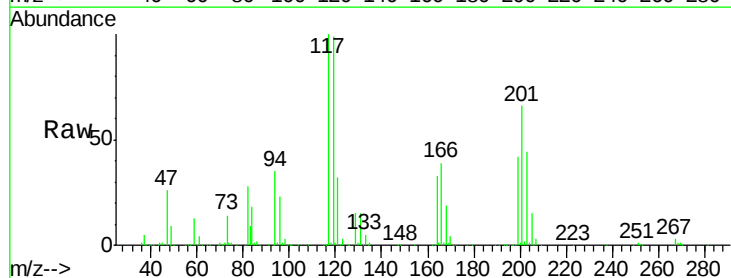
Manual Integrations
APPROVED

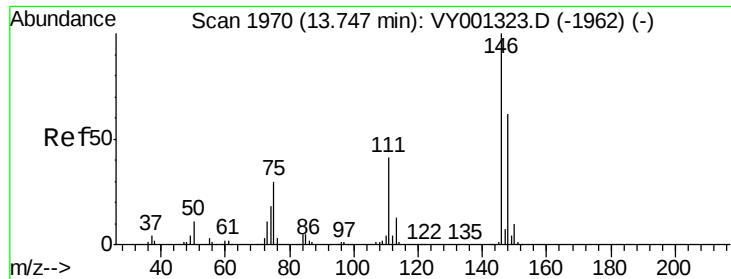
MMDadoda
1/30/2020 10:27:33 AM



#90
Hexachloroethane
Concen: 54.289 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY001422.D
Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	98862		
201	65.8		34.6	103.8





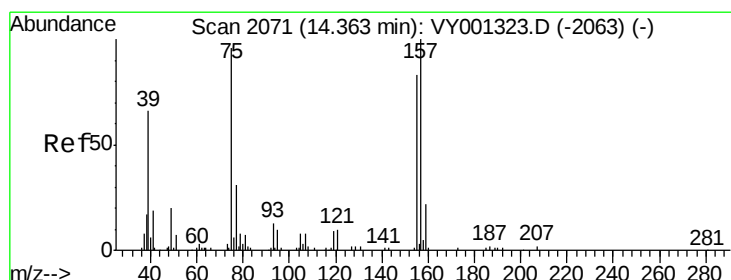
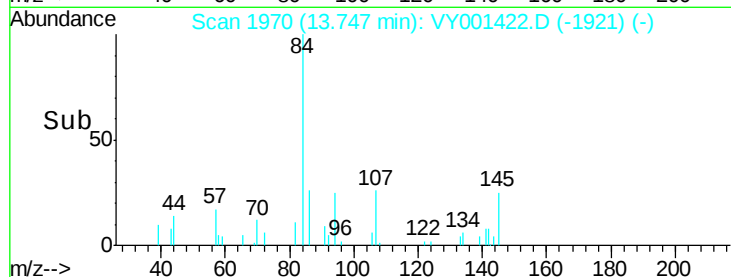
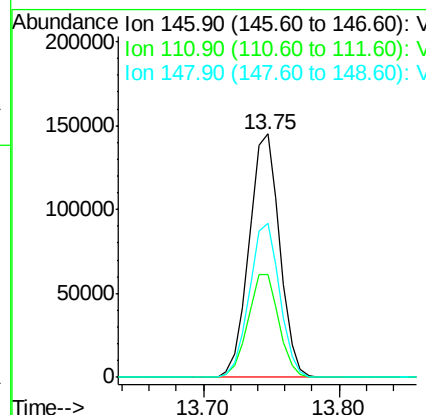
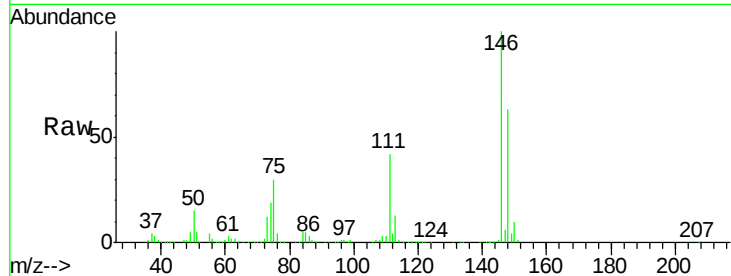
#91
 1,2-Dichlorobenzene
 Concen: 53.144 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.1	31.5	94.5

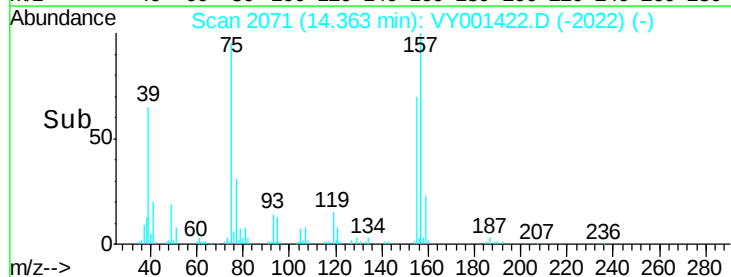
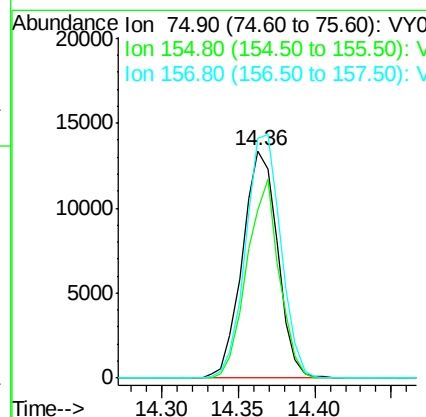
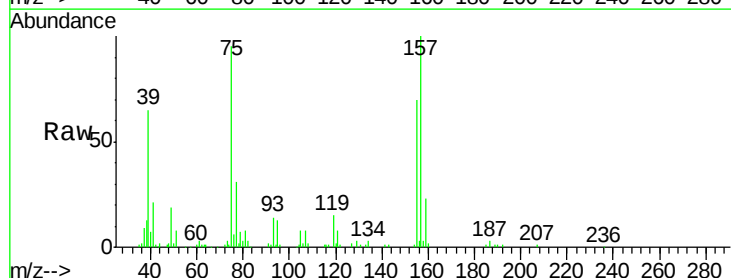
Manual Integrations
 APPROVED

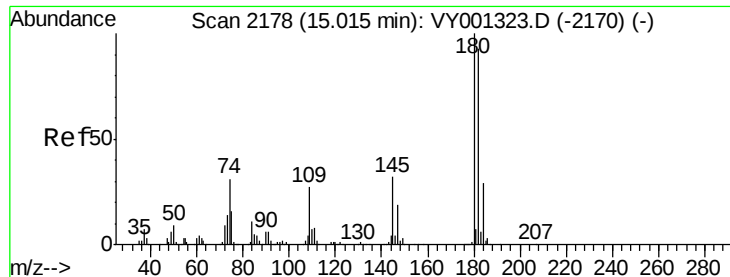
MMDadoda
 1/30/2020 10:27:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.845 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	43.0	129.2
157	107.5	53.3	160.0





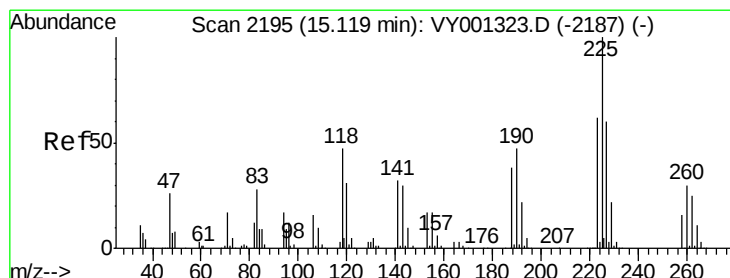
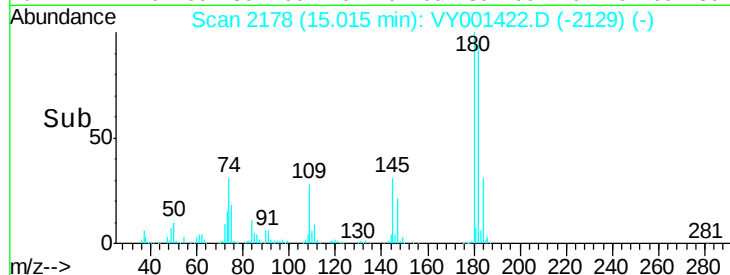
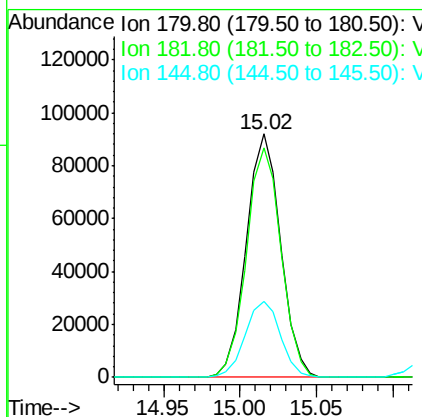
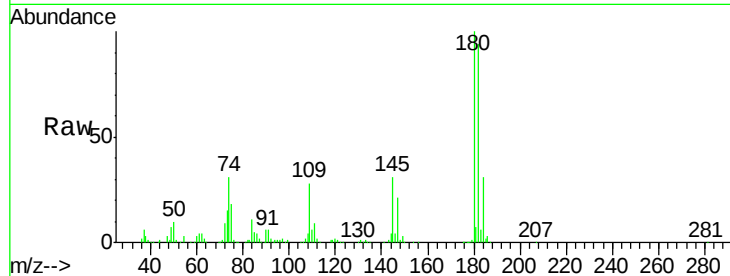
#93
 1,2,4-Trichlorobenzene
 Concen: 49.796 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	32.1	16.3	48.9

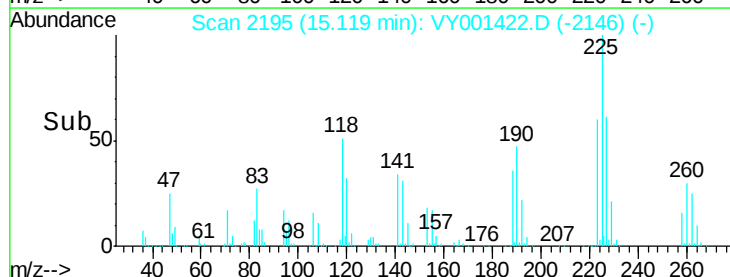
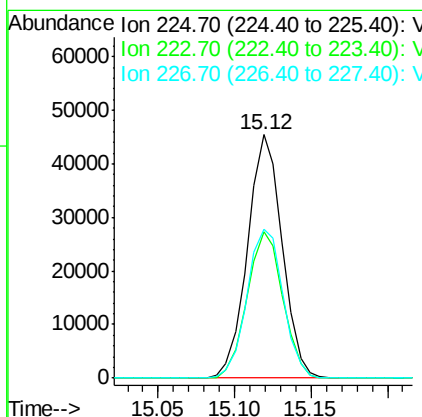
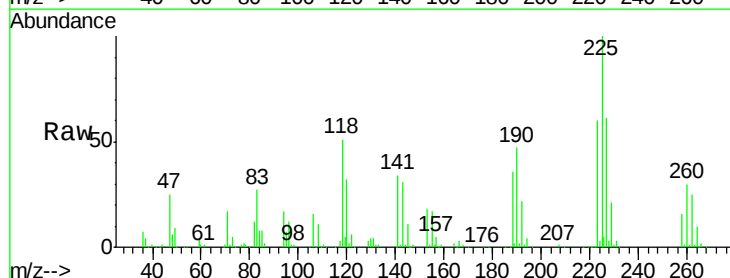
Manual Integrations
 APPROVED

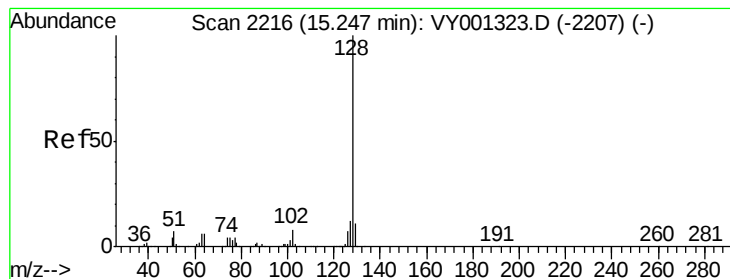
MMDadoda
 1/30/2020 10:27:33 AM



#94
 Hexachlorobutadiene
 Concen: 50.997 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001422.D
 Acq: 29 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.2	93.6
227	63.8	31.0	93.0





#95

Naphthalene

Concen: 53.194 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Instrument :

MSVOA_Y

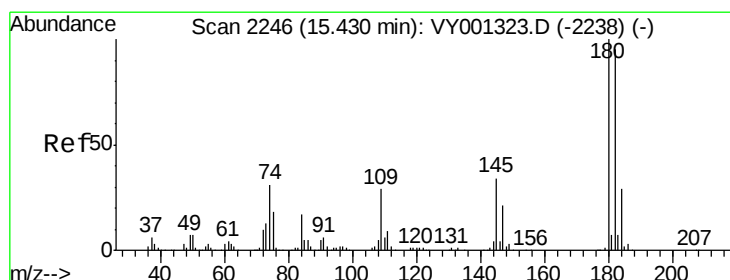
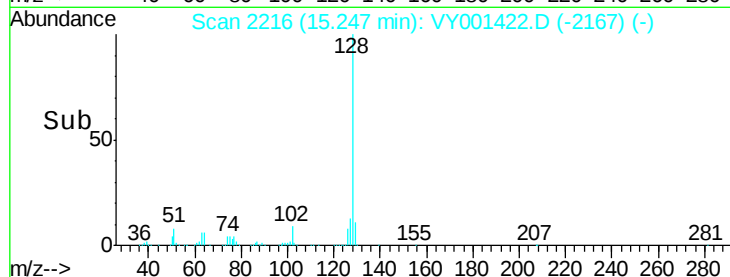
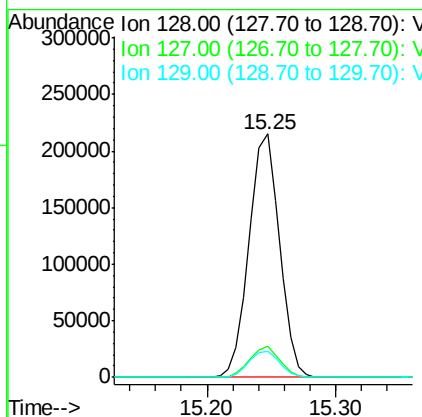
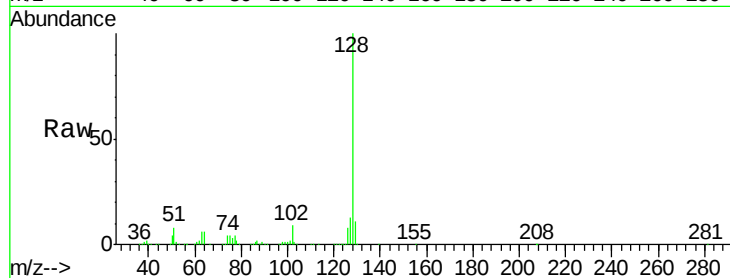
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	350222
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.744 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY001422.D

Acq: 29 Jan 2020 16:40

Tgt Ion:	180	Resp:	128169
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	141.8
145	34.2	16.8	50.3

