

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031820\
 Data File : VX015326.D
 Acq On : 18 Mar 2020 14:32
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 12:00:59 PM

Quant Time: Mar 18 14:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	557851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1059443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1022011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	518274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	1046725	156.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.74%	
35) Dibromofluoromethane	5.49	113	942803	140.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.64%	
50) Toluene-d8	8.71	98	3771346	148.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.24%	
62) 4-Bromofluorobenzene	11.14	95	1480747	160.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	852476	168.460	ug/l	99
3) Chloromethane	1.31	50	1036575	150.514	ug/l	97
4) Vinyl Chloride	1.40	62	1046771	149.431	ug/l	100
5) Bromomethane	1.63	94	279783	70.982	ug/l	99
6) Chloroethane	1.70	64	550026	130.981	ug/l	98
7) Trichlorofluoromethane	1.91	101	1326804	157.233	ug/l	98
8) Diethyl Ether	2.18	74	561749	149.480	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	955864	178.600	ug/l	94
10) Methyl Iodide	2.50	142	1220200	205.280	ug/l	95
11) Tert butyl alcohol	3.06	59	1069685	898.805	ug/l	99
12) 1,1-Dichloroethene	2.36	96	1035273	186.753	ug/l	95
13) Acrolein	2.28	56	974583	880.542	ug/l	99
14) Allyl chloride	2.72	41	1580689	165.425	ug/l	96
15) Acrylonitrile	3.14	53	2643076	890.421	ug/l	99
16) Acetone	2.44	43	1925609	724.175	ug/l	100
17) Carbon Disulfide	2.56	76	2905366	188.058	ug/l	100
18) Methyl Acetate	2.76	43	1077348	161.512	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	3092061	176.482	ug/l	99
20) Methylene Chloride	2.84	84	1135980	173.156	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	1122695	183.831	ug/l	98
22) Diisopropyl ether	3.84	45	3189964	166.005	ug/l	100
23) Vinyl Acetate	3.81	43	13069389	831.847	ug/l	98
24) 1,1-Dichloroethane	3.69	63	1821394	169.021	ug/l	99
25) 2-Butanone	4.66	43	3408628	858.161	ug/l	100
26) 2,2-Dichloropropane	4.57	77	1458466	171.881	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	1284066	189.533	ug/l	99
28) Bromochloromethane	5.01	49	799248	165.932	ug/l	96
29) Tetrahydrofuran	5.11	42	2241565	866.880	ug/l	99
30) Chloroform	5.20	83	1853518	175.480	ug/l	96
31) Cyclohexane	5.57	56	1571812	163.165	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	1534706	174.332	ug/l	100
36) 1,1-Dichloropropene	5.79	75	1398513	142.161	ug/l	100
37) Ethyl Acetate	4.82	43	1354684	150.936	ug/l	99
38) Carbon Tetrachloride	5.78	117	1360616	146.107	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031820\
 Data File : VX015326.D
 Acq On : 18 Mar 2020 14:32
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 12:00:59 PM

Quant Time: Mar 18 14:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1795207	155.391	ug/l	98
40) Benzene	6.14	78	4320315	147.358	ug/l	99
41) Methacrylonitrile	5.03	41	753505	140.386	ug/l	97
42) 1,2-Dichloroethane	6.19	62	1307764	132.854	ug/l	100
43) Isopropyl Acetate	6.43	43	2156647	137.692	ug/l	99
44) Trichloroethene	7.21	130	1220634	150.788	ug/l	92
45) 1,2-Dichloropropane	7.51	63	1072771	142.799	ug/l	99
46) Dibromomethane	7.65	93	735338	148.991	ug/l	97
47) Bromodichloromethane	7.89	83	1449625	149.241	ug/l	98
48) Methyl methacrylate	7.76	41	1089216	136.523	ug/l	99
49) 1,4-Dioxane	7.73	88	551705	3090.650	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	6616184	711.329	ug/l	100
52) Toluene	8.78	92	2749492	153.361	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1665529	162.094	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	1800436	153.948	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	1105912	149.507	ug/l	98
56) Ethyl methacrylate	9.17	69	1723710	165.308	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1815424	146.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	6265708	1105.638	ug/l	99
59) 2-Hexanone	9.49	43	5122460	744.349	ug/l	100
60) Dibromochloromethane	9.58	129	1228812	159.199	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1213866	155.480	ug/l	99
64) Tetrachloroethene	9.33	164	976150	117.914	ug/l	97
65) Chlorobenzene	10.14	112	3102103	149.650	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	1111035	143.475	ug/l	98
67) Ethyl Benzene	10.25	91	5188055	147.653	ug/l	100
68) m/p-Xylenes	10.36	106	4142521	309.153	ug/l	97
69) o-Xylene	10.70	106	1962349	152.915	ug/l	99
70) Styrene	10.71	104	3446481	156.657	ug/l	99
71) Bromoform	10.85	173	830026	140.652	ug/l	97
73) Isopropylbenzene	11.01	105	5230475	154.608	ug/l	100
74) N-amyl acetate	10.89	43	2175821	157.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	1684300	150.033	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	1561982m	153.423	ug/l	
77) Bromobenzene	11.25	156	1277968	137.774	ug/l	99
78) n-propylbenzene	11.35	91	5885391	153.418	ug/l	98
79) 2-Chlorotoluene	11.42	91	3537015	153.895	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	4455931	159.142	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	634587	171.010	ug/l	97
82) 4-Chlorotoluene	11.51	91	4232577	156.032	ug/l	99
83) tert-Butylbenzene	11.76	119	4366514	160.906	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	4609176	162.470	ug/l	100
85) sec-Butylbenzene	11.94	105	5390473	163.178	ug/l	99
86) p-Isopropyltoluene	12.06	119	4793682	158.444	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	2453585	148.948	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	2493363	146.988	ug/l	99
89) n-Butylbenzene	12.39	91	4479421	165.943	ug/l	99
90) Hexachloroethane	12.59	117	909392	158.988	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	2328373	141.389	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	359181	161.624	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031820\
Data File : VX015326.D
Acq On : 18 Mar 2020 14:32
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

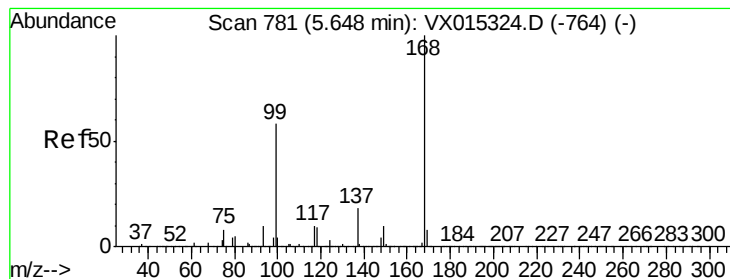
Manual Integrations
APPROVED

MMDadoda
3/19/2020 12:00:59 PM

Quant Time: Mar 18 14:55:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 14:21:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1473342	133.186	ug/l	99
94) Hexachlorobutadiene	13.78	225	567961	103.188	ug/l	98
95) Naphthalene	13.83	128	5217769	166.072	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1460592	132.589	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 557851

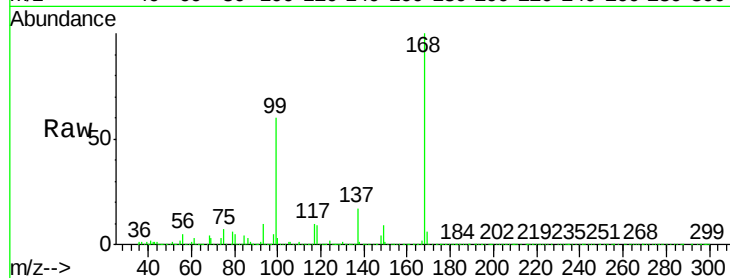
Ion Ratio Lower Upper

168 100

99 59.7 47.0 70.6

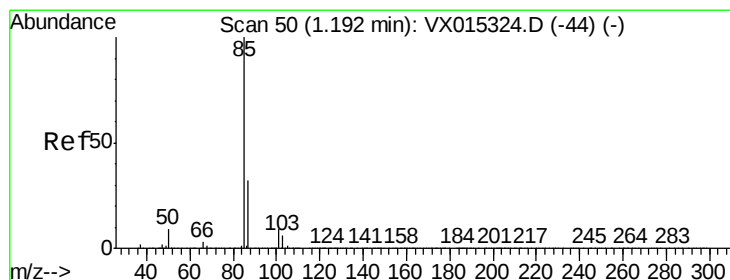
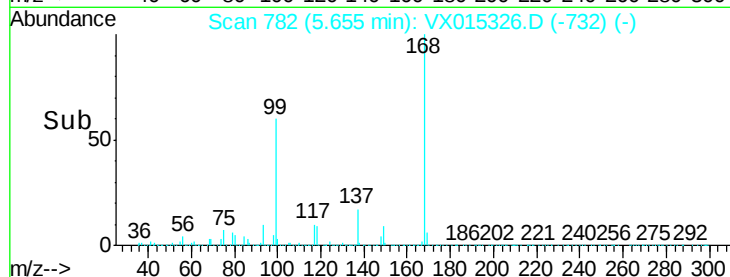
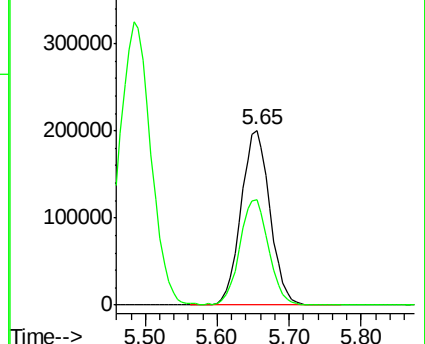
Manual Integrations
APPROVED

MMDadoda
3/19/2020 12:00:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 168.460 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX015326.D

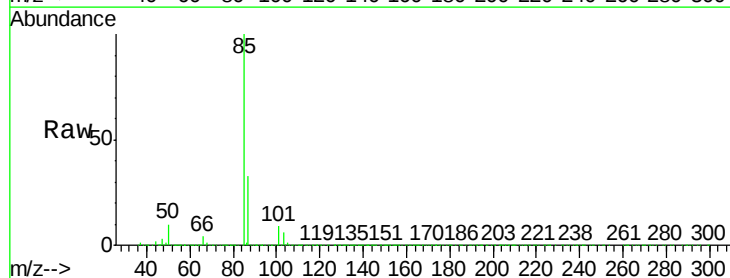
Acq: 18 Mar 2020 14:32

Tgt Ion: 85 Resp: 852476

Ion Ratio Lower Upper

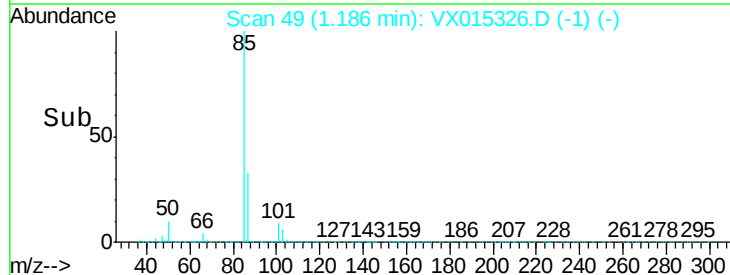
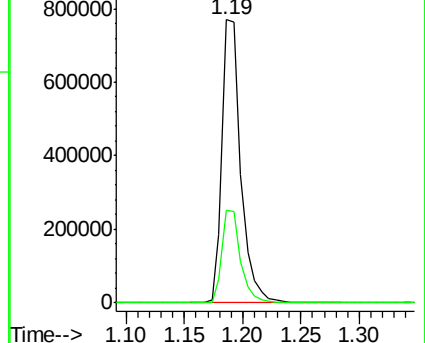
85 100

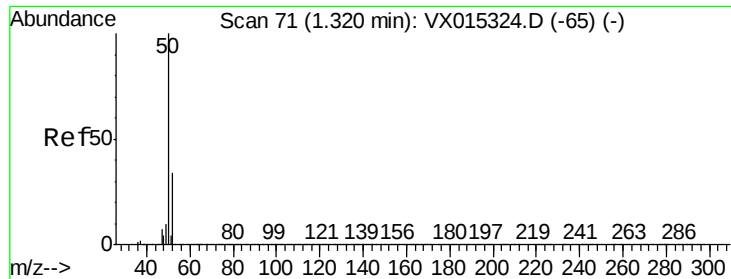
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 150.514 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1036575

Ion Ratio Lower Upper

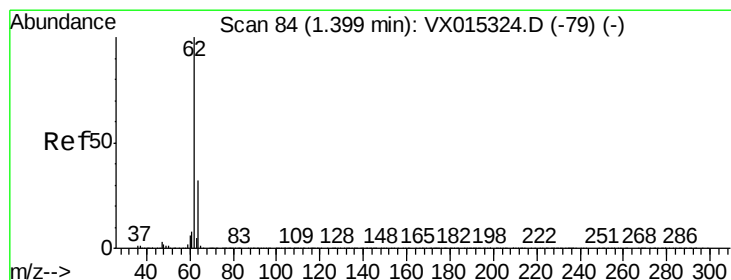
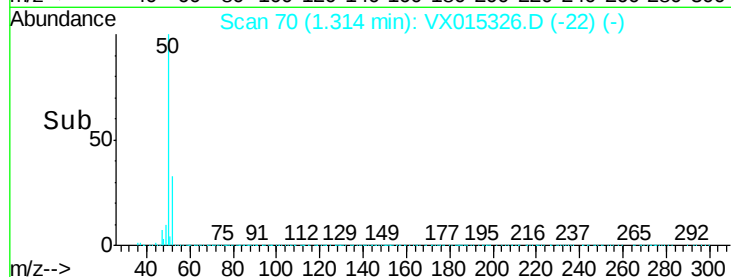
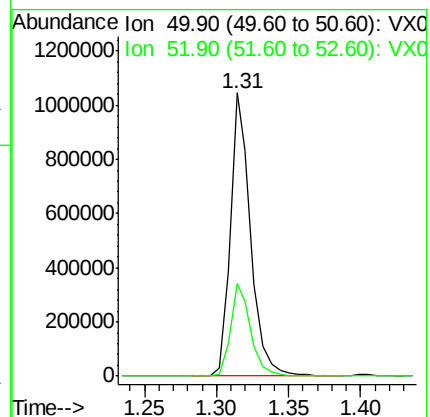
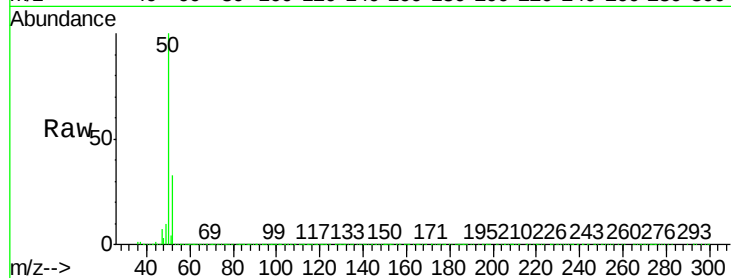
50 100

52 32.7 27.4 41.0

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#4

Vinyl Chloride

Concen: 149.431 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015326.D

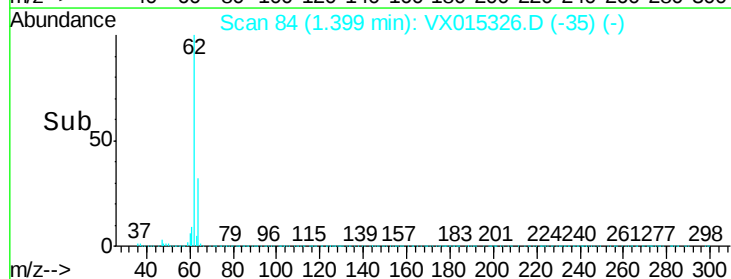
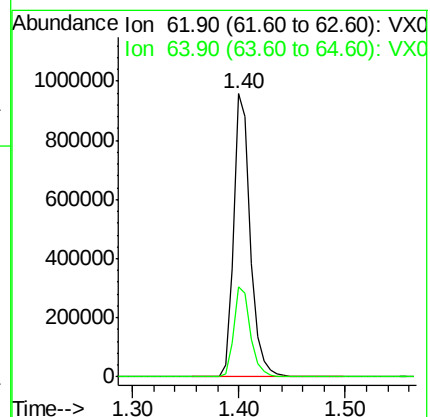
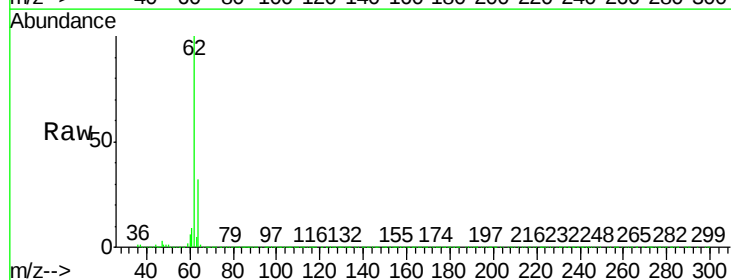
Acq: 18 Mar 2020 14:32

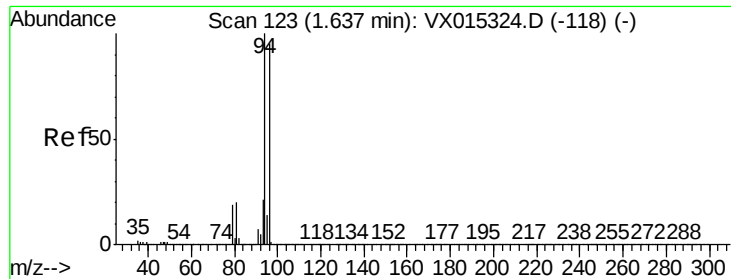
Tgt Ion: 62 Resp: 1046771

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 70.982 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 279783

Ion Ratio Lower Upper

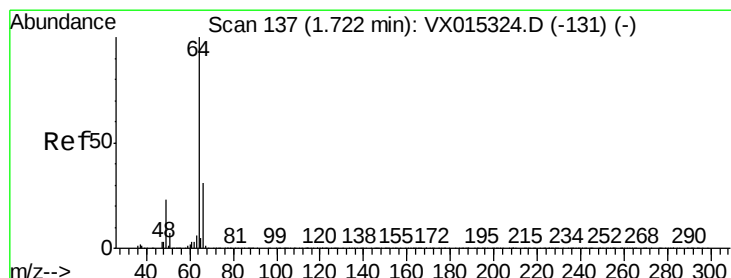
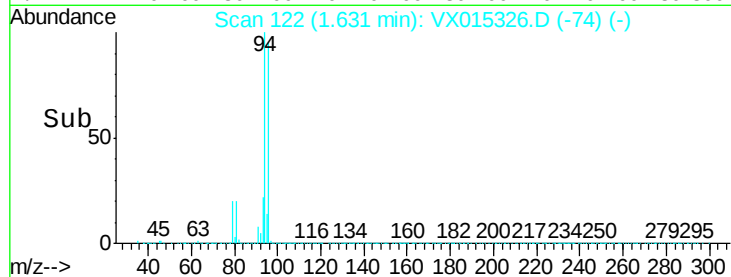
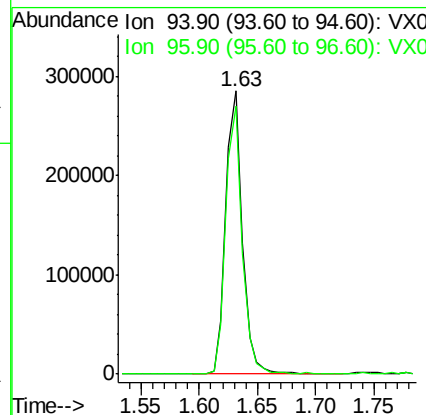
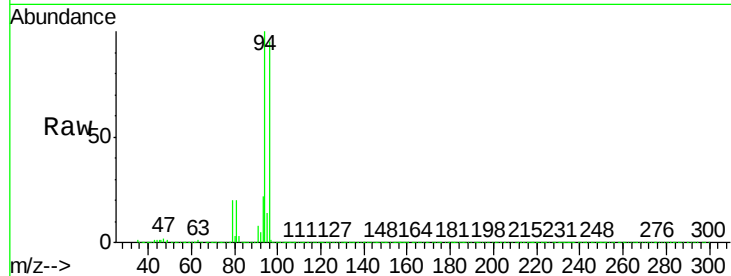
94 100

96 94.6 76.5 114.7

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#6

Chloroethane

Concen: 130.981 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX015326.D

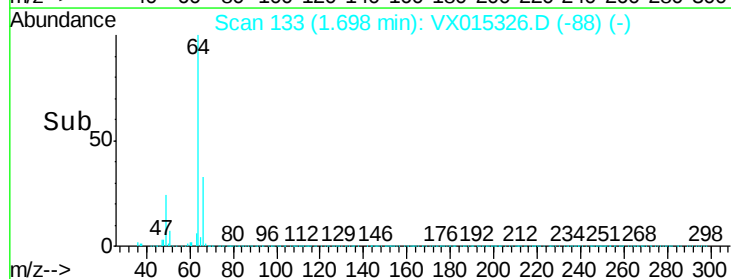
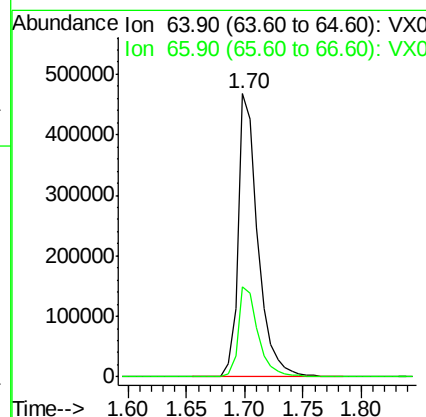
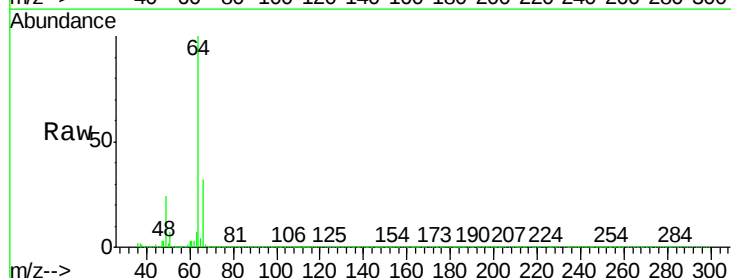
Acq: 18 Mar 2020 14:32

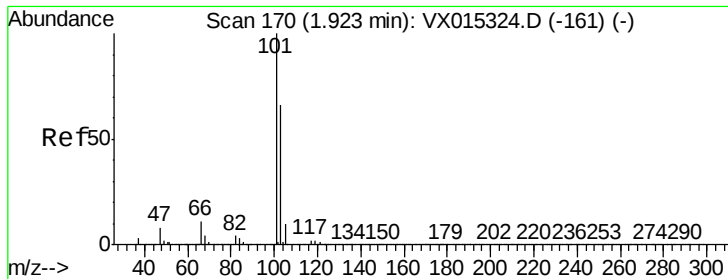
Tgt Ion: 64 Resp: 550026

Ion Ratio Lower Upper

64 100

66 31.9 24.8 37.2





#7

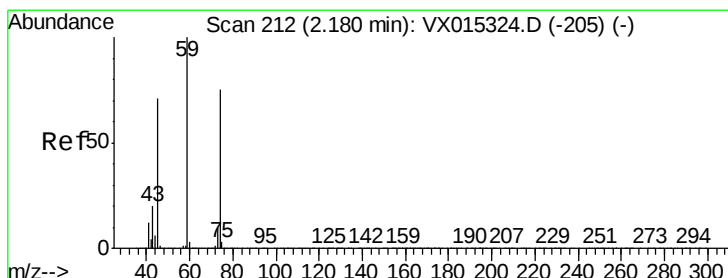
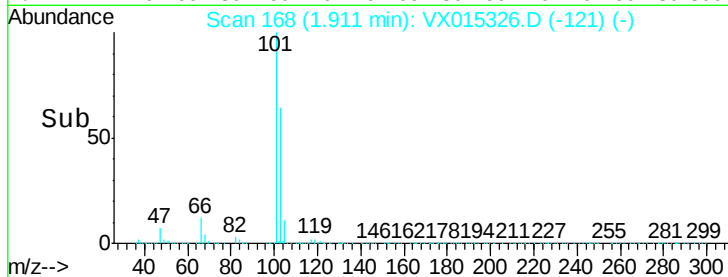
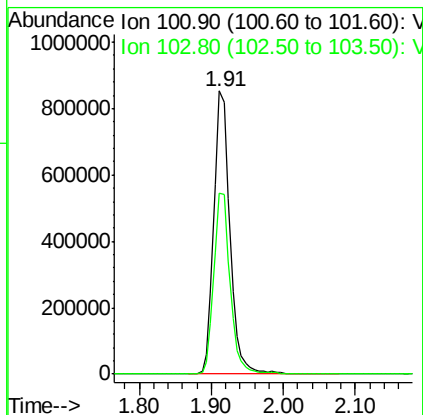
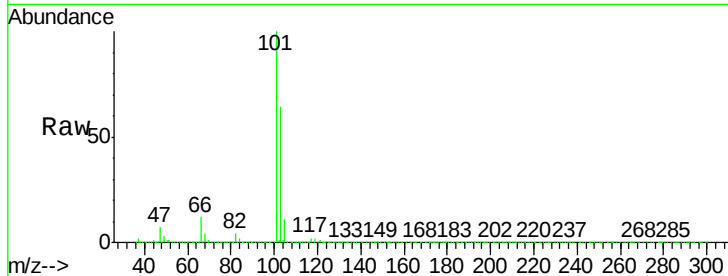
Trichlorofluoromethane
Concen: 157.233 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 101 Resp: 1326804
Ion Ratio Lower Upper
101 100
103 64.0 52.6 79.0

Manual Integrations
APPROVED

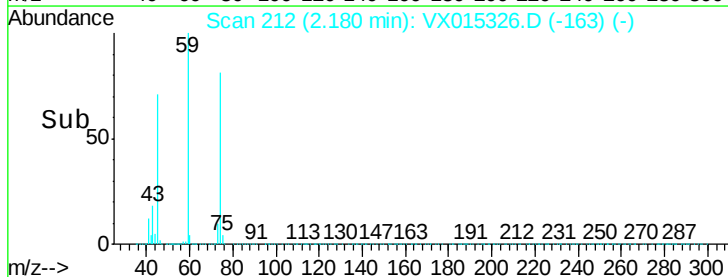
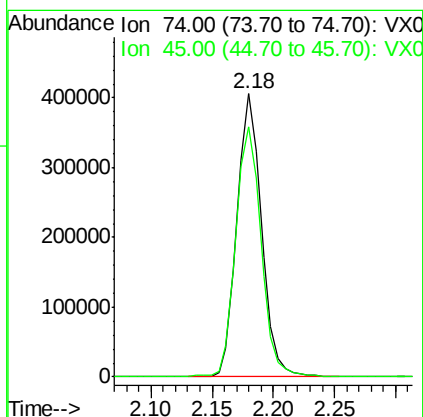
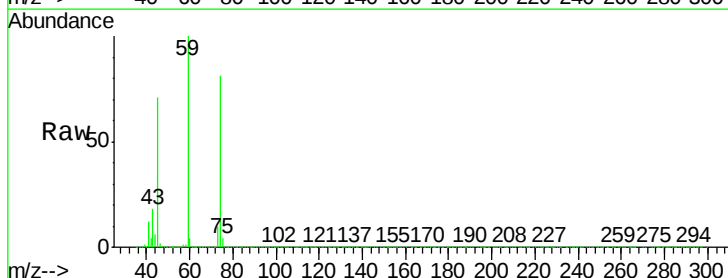
MMDadoda
3/19/2020 12:00:59 PM

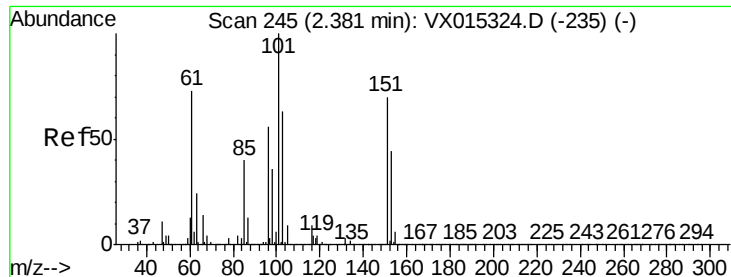


#8

Diethyl Ether
Concen: 149.480 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 74 Resp: 561749
Ion Ratio Lower Upper
74 100
45 91.6 46.5 139.5





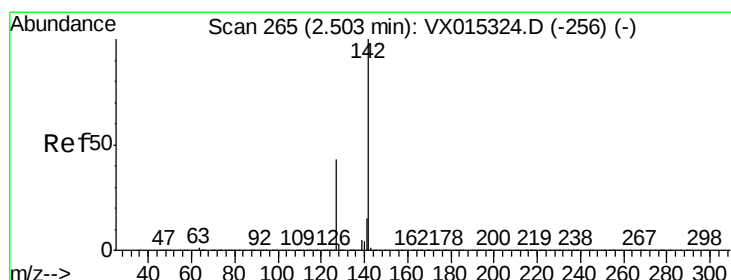
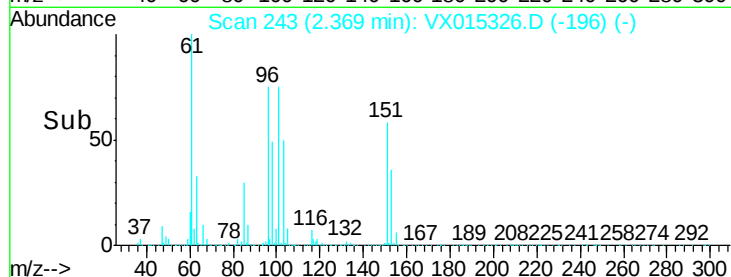
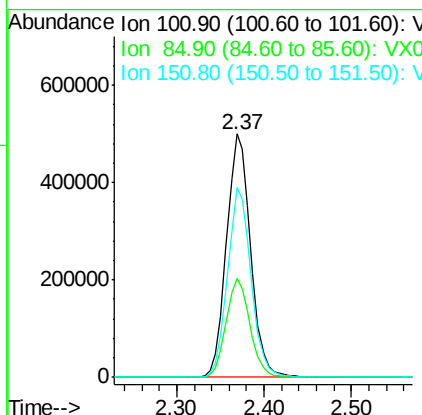
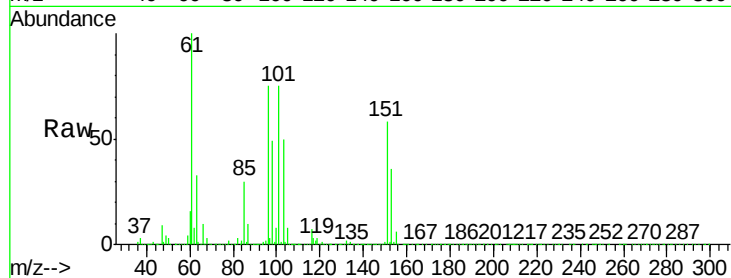
#9
1,1,2-Trichlorotrifluoroethane
Concen: 178.600 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	40.1	32.2	48.4
151	76.5	55.0	82.6

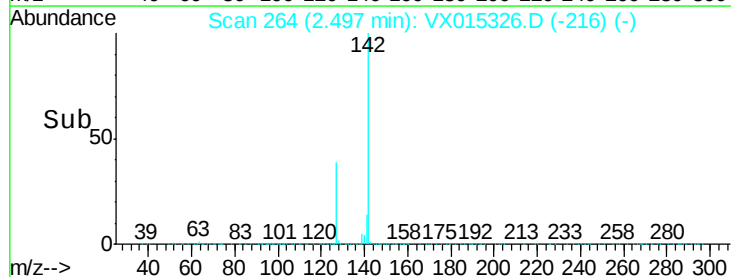
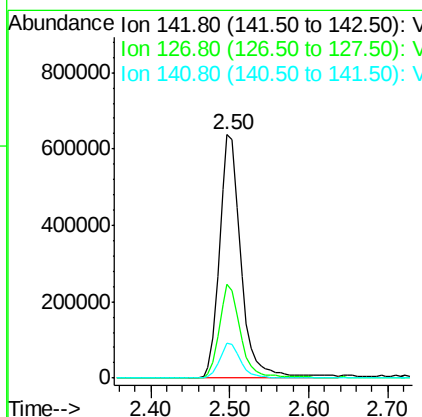
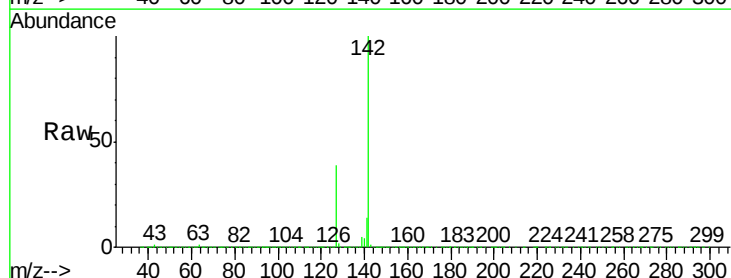
Manual Integrations
APPROVED

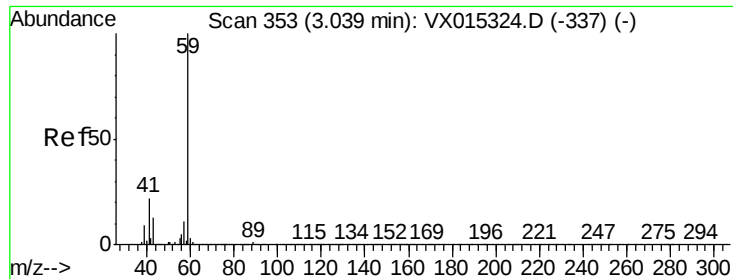
MMDadoda
3/19/2020 12:00:59 PM



#10
Methyl Iodide
Concen: 205.280 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	37.9	33.6	50.4
141	14.2	11.9	17.9





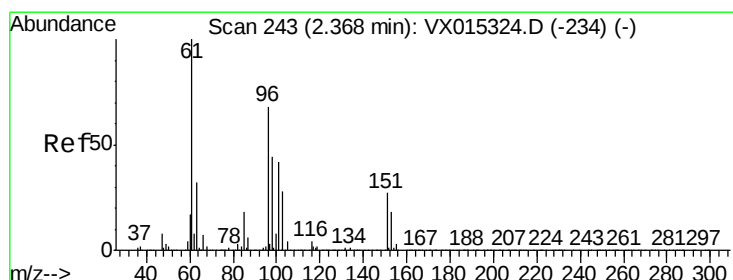
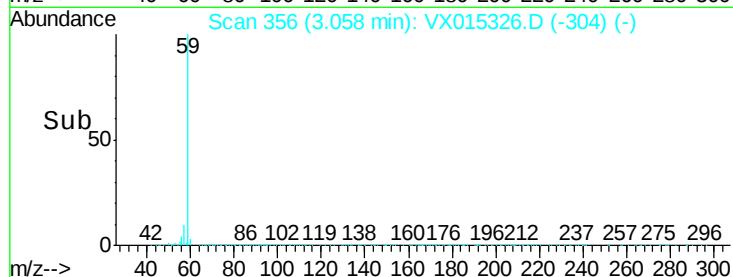
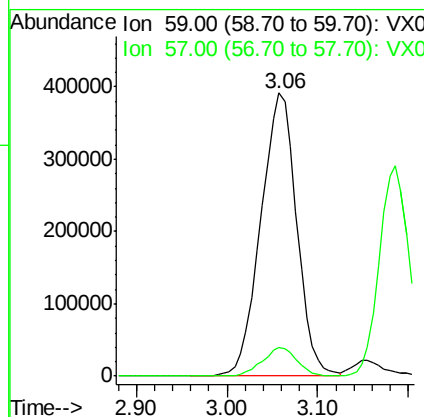
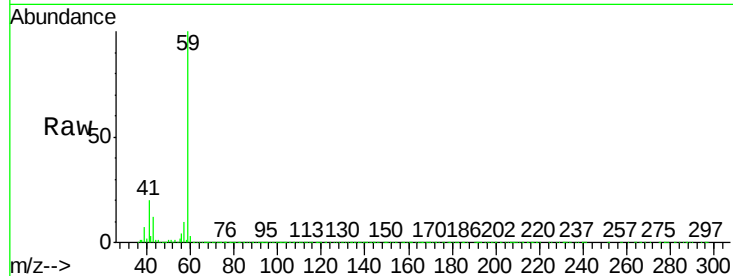
#11
Tert butyl alcohol
Concen: 898.805 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.02 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 1069685
Ion Ratio Lower Upper
59 100
57 9.7 8.0 12.0

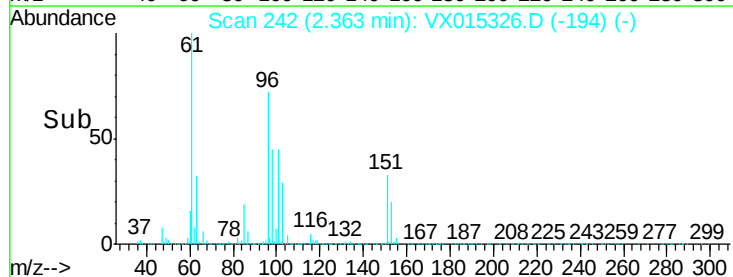
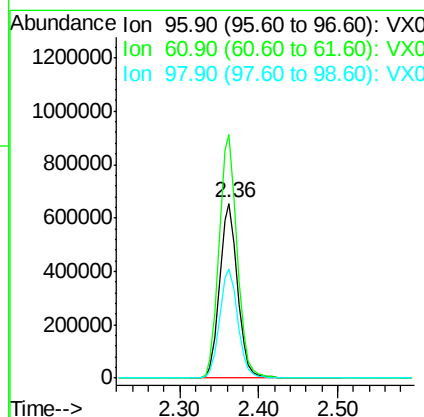
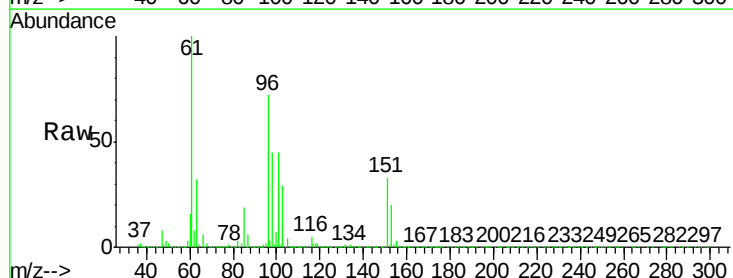
Manual Integrations
APPROVED

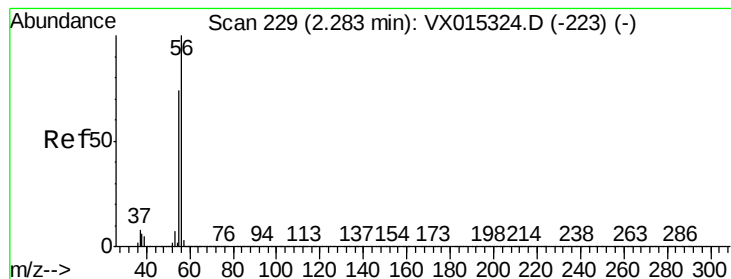
MMDadoda
3/19/2020 12:00:59 PM



#12
1,1-Dichloroethene
Concen: 186.753 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 96 Resp: 1035273
Ion Ratio Lower Upper
96 100
61 139.5 117.7 176.5
98 62.9 52.3 78.5





#13

Acrolein

Concen: 880.542 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 974583

Ion Ratio Lower Upper

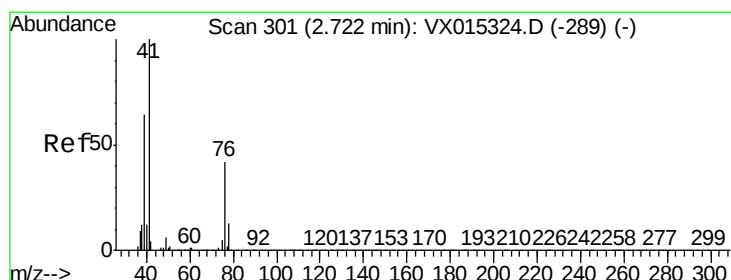
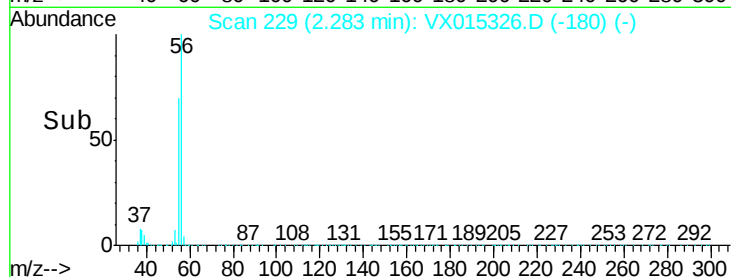
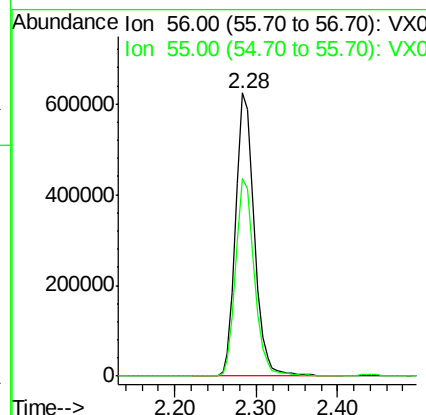
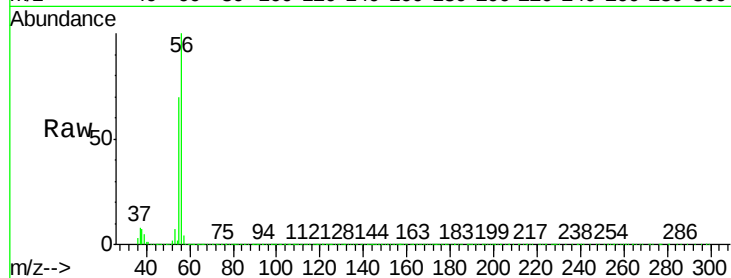
56 100

55 70.0 56.6 84.8

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#14

Allyl chloride

Concen: 165.425 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

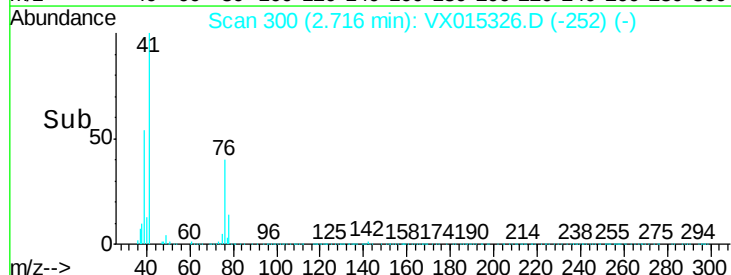
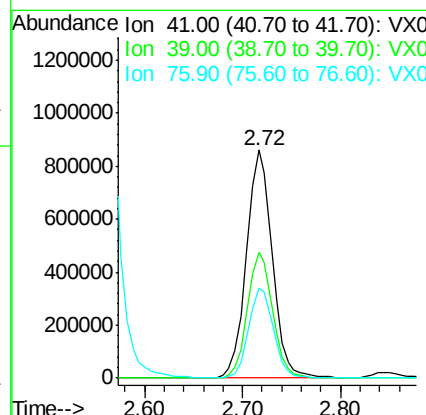
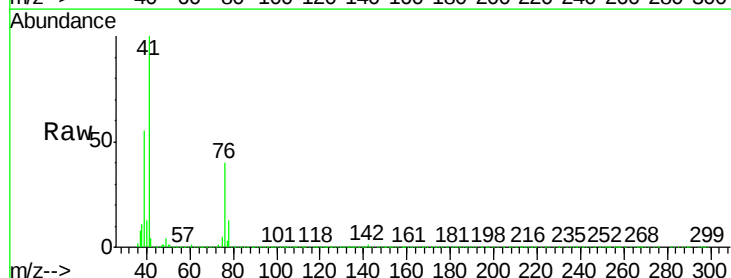
Tgt Ion: 41 Resp: 1580689

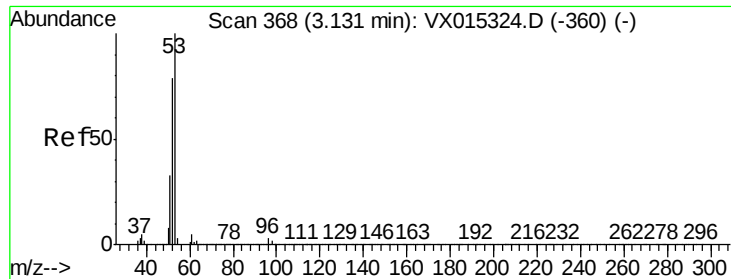
Ion Ratio Lower Upper

41 100

39 53.8 46.8 70.2

76 37.9 30.7 46.1





#15

Acrylonitrile

Concen: 890.421 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2643076

Ion Ratio Lower Upper

53 100

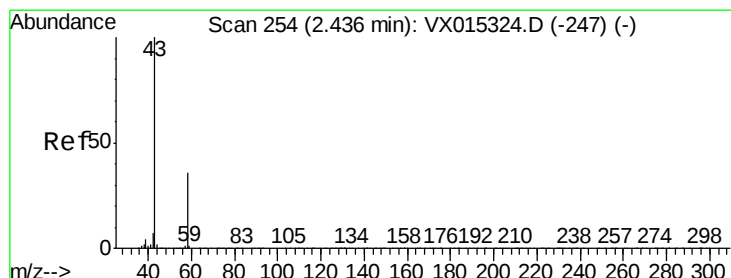
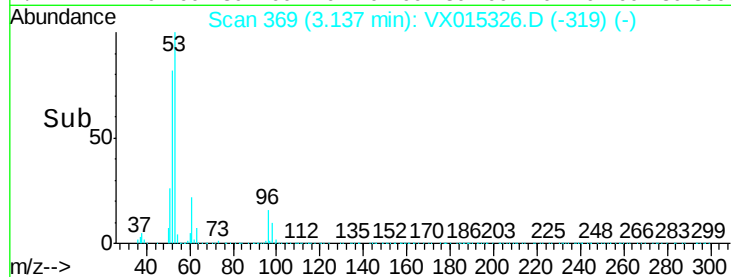
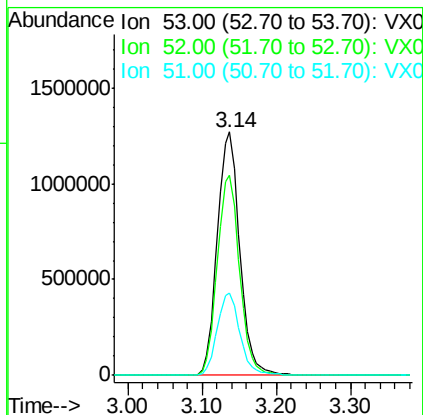
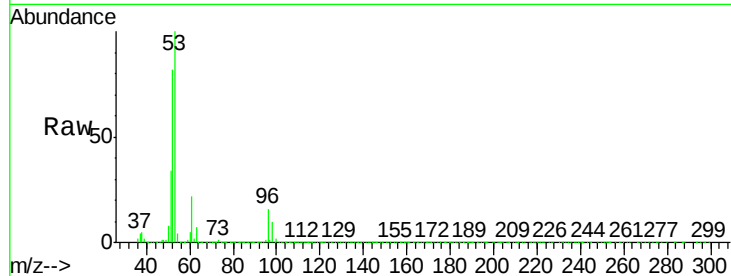
52 81.6 64.6 97.0

51 34.1 27.5 41.3

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#16

Acetone

Concen: 724.175 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015326.D

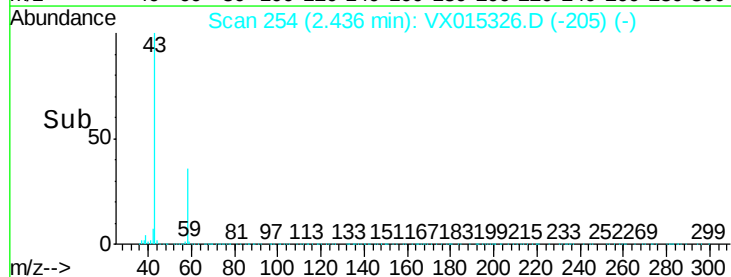
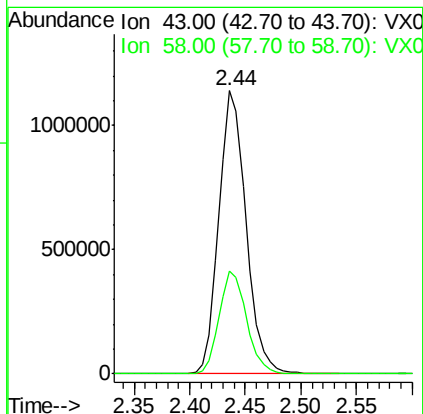
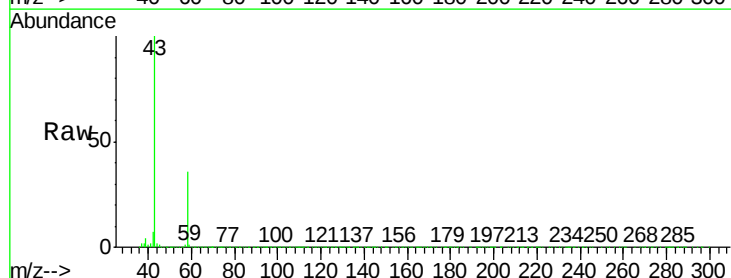
Acq: 18 Mar 2020 14:32

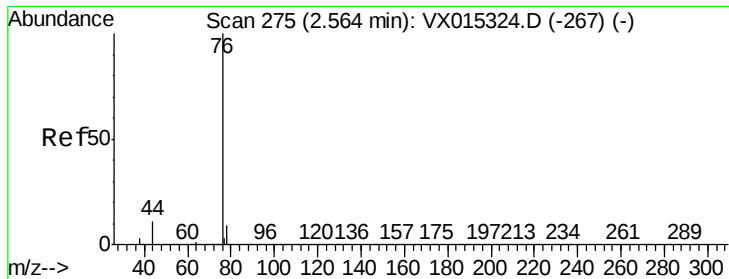
Tgt Ion: 43 Resp: 1925609

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4





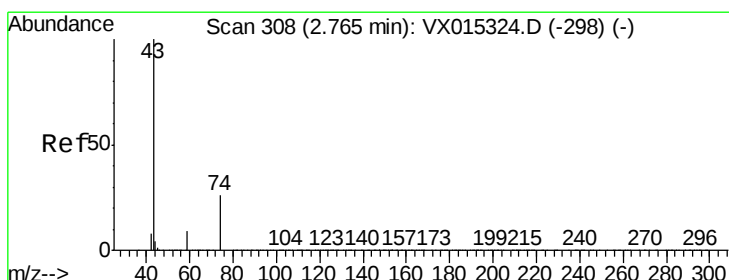
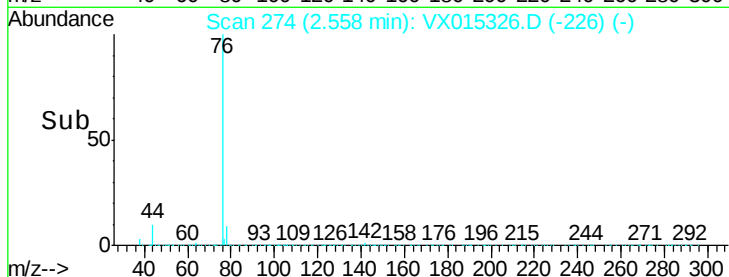
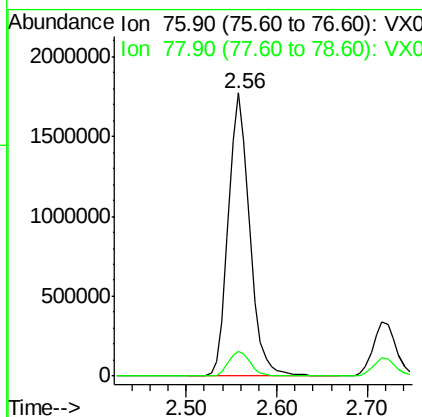
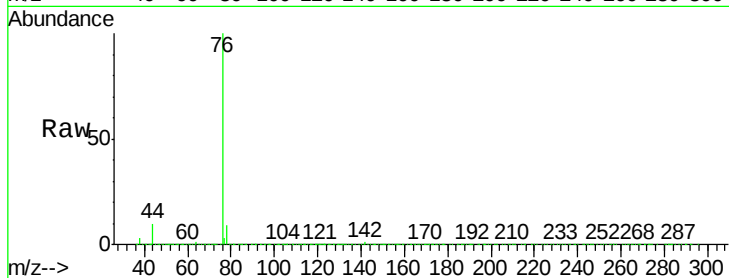
#17
Carbon Disulfide
Concen: 188.058 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2905366
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

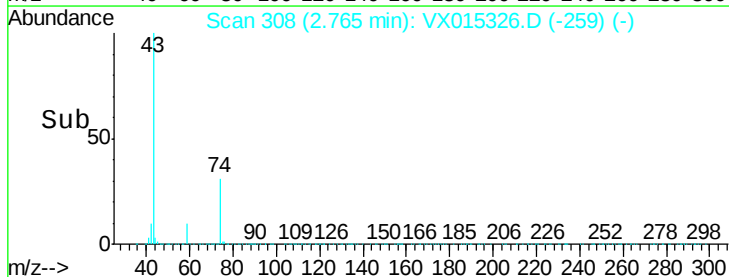
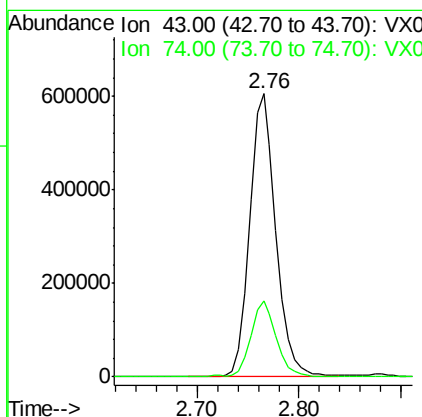
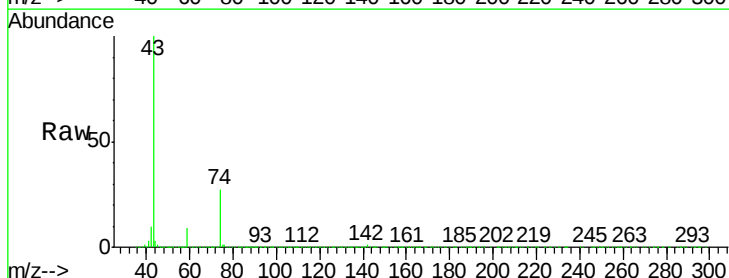
Manual Integrations
APPROVED

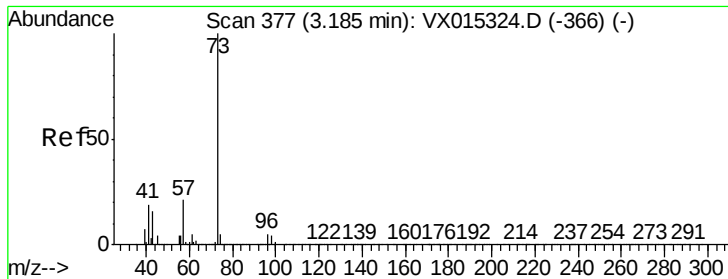
MMDadoda
3/19/2020 12:00:59 PM



#18
Methyl Acetate
Concen: 161.512 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 43 Resp: 1077348
Ion Ratio Lower Upper
43 100
74 26.6 21.9 32.9





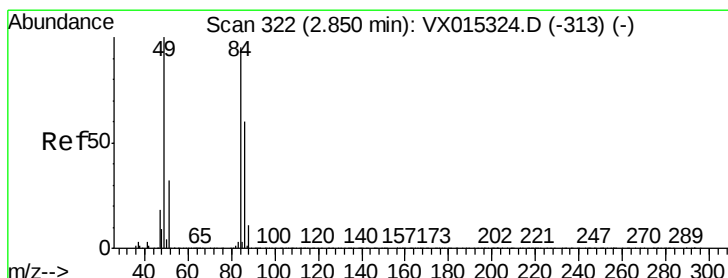
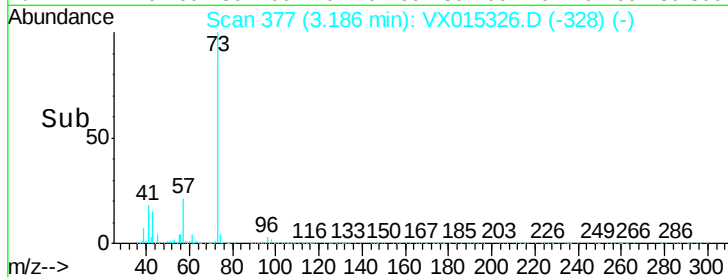
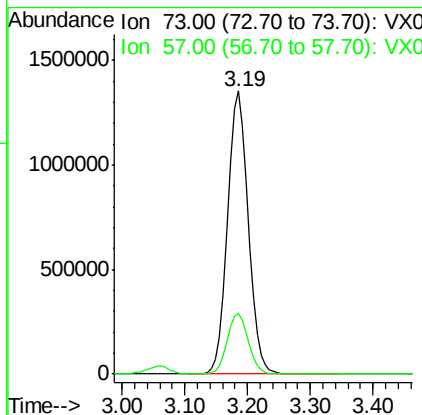
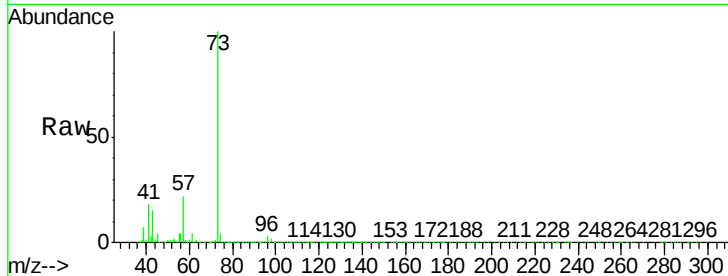
#19
Methyl tert-butyl Ether
Concen: 176.482 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 3092061
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2

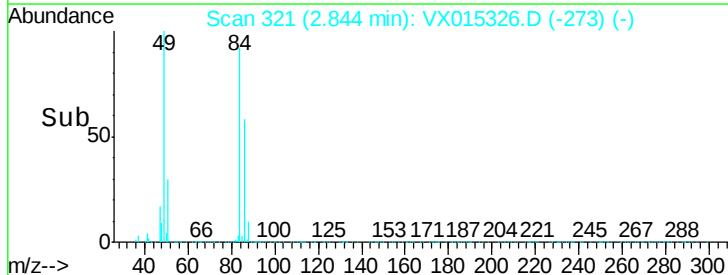
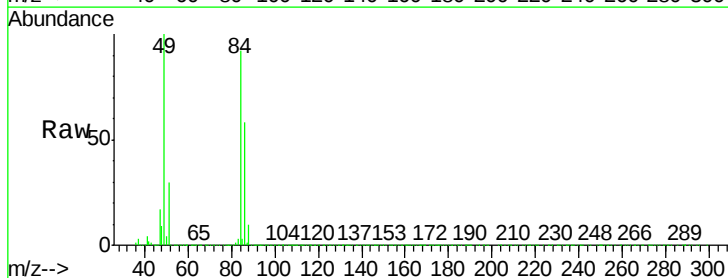
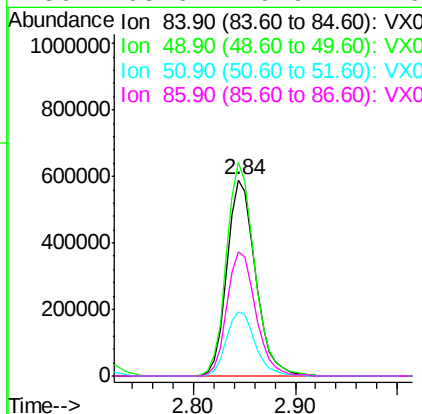
Manual Integrations
APPROVED

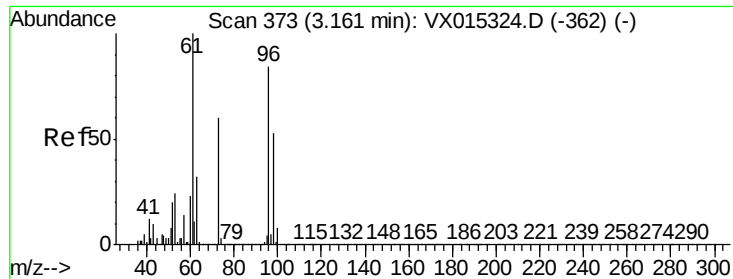
MMDadoda
3/19/2020 12:00:59 PM



#20
Methylene Chloride
Concen: 173.156 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 84 Resp: 1135980
Ion Ratio Lower Upper
84 100
49 108.9 84.0 126.0
51 32.9 27.0 40.6
86 63.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 183.831 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1122695

Ion Ratio Lower Upper

96 100

61 121.7 95.5 143.3

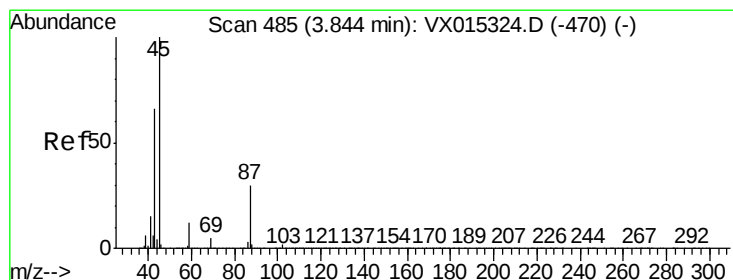
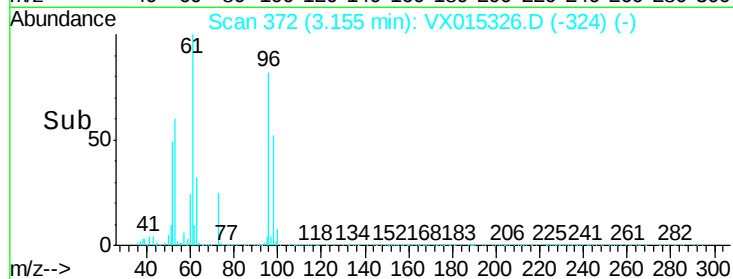
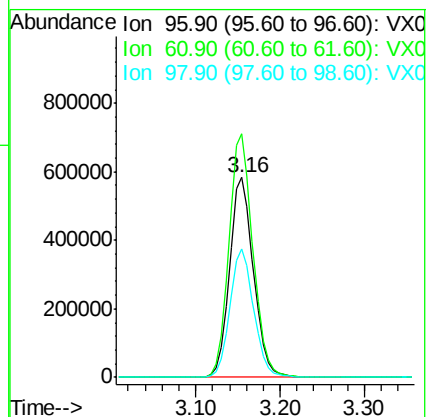
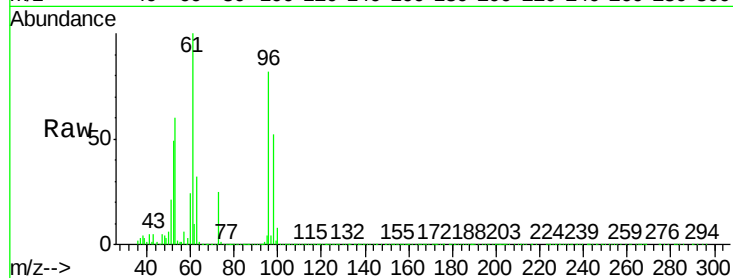
98 63.9 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#22

Diisopropyl ether

Concen: 166.005 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Tgt Ion: 45 Resp: 3189964

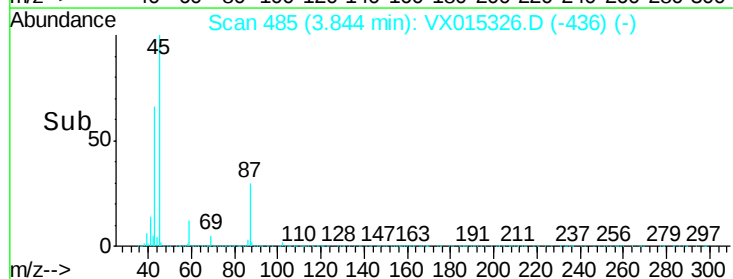
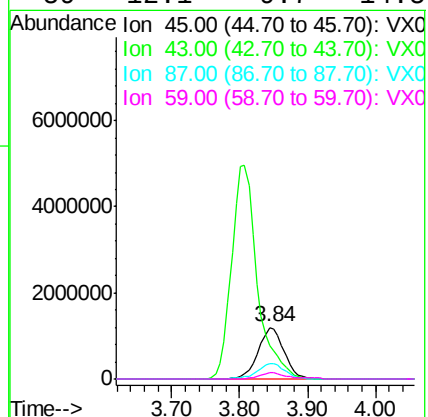
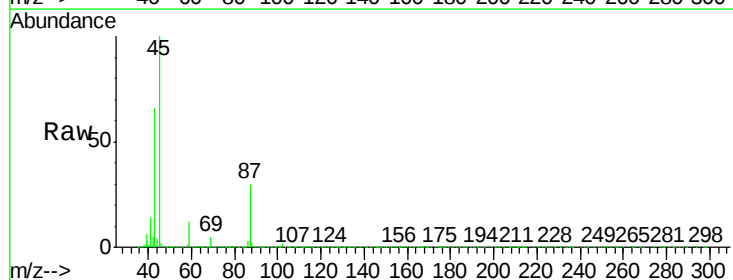
Ion Ratio Lower Upper

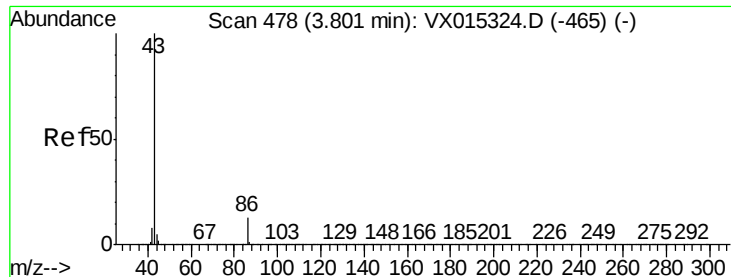
45 100

43 65.8 52.8 79.2

87 30.0 24.3 36.5

59 12.1 9.7 14.5





#23

Vinyl Acetate

Concen: 831.847 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampled :

VSTDICC150

Tot Ion: 43 Resp:13069389

Ion Ratio Lower Upper

43 100

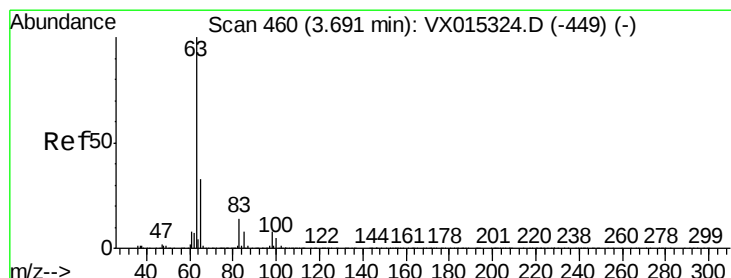
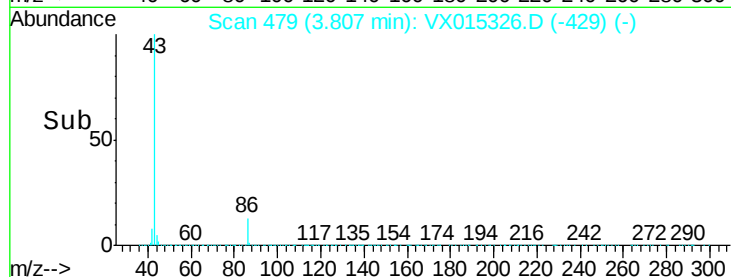
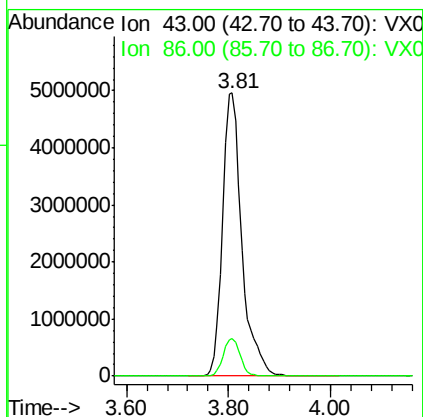
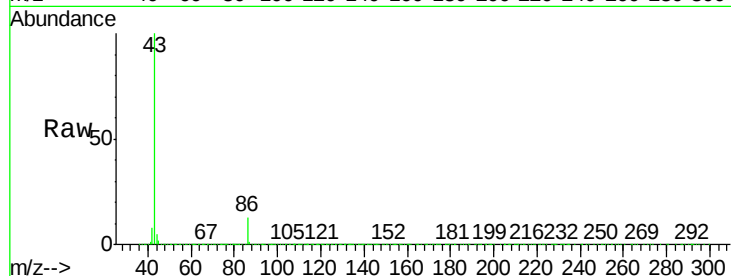
86 13.3 10.1 15.1

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#24

1,1-Dichloroethane

Concen: 169.021 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

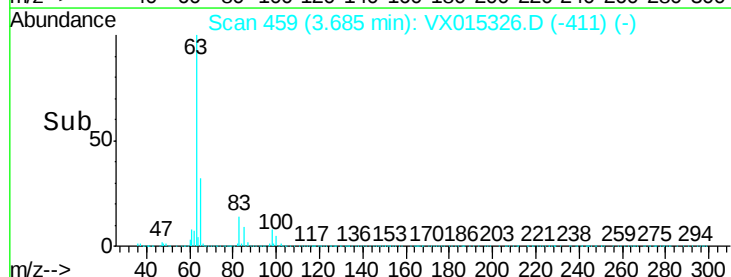
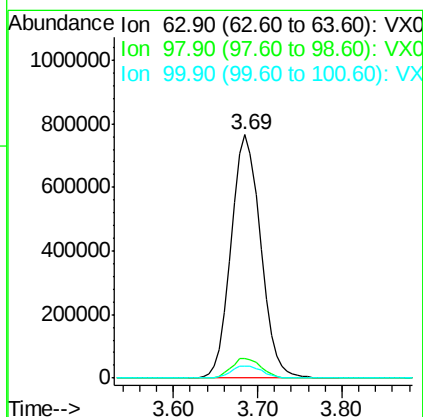
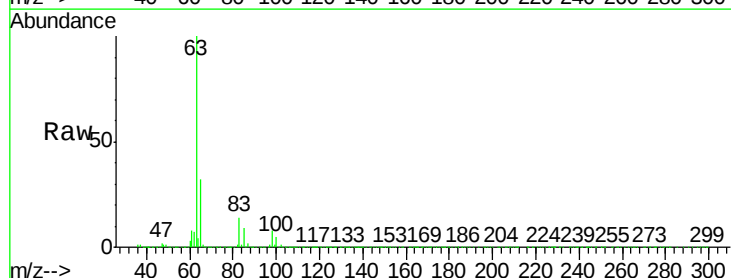
Tgt Ion: 63 Resp: 1821394

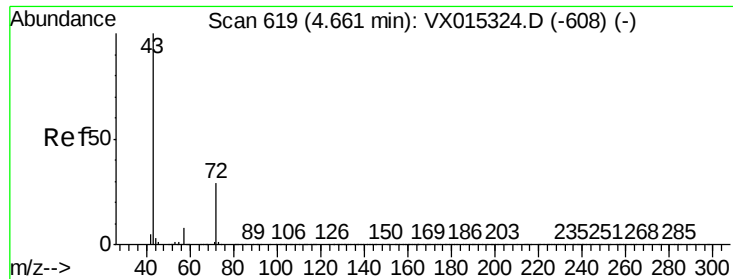
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 858.161 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Tot Ion: 43 Resp: 3408628

Ion Ratio Lower Upper

43 100

72 28.7 23.1 34.7

Instrument :

MSVOA_X

ClientSampleId :

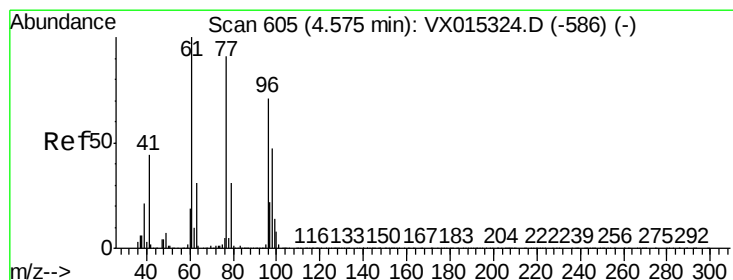
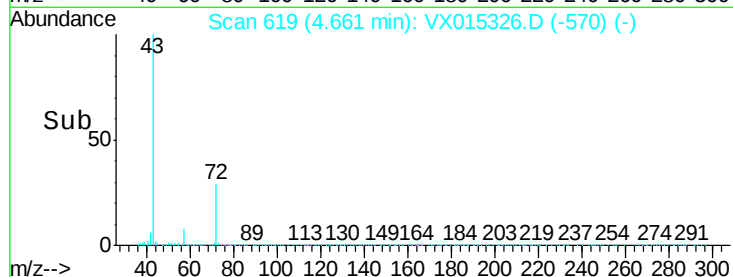
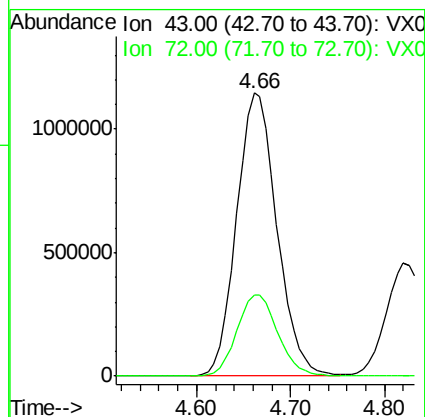
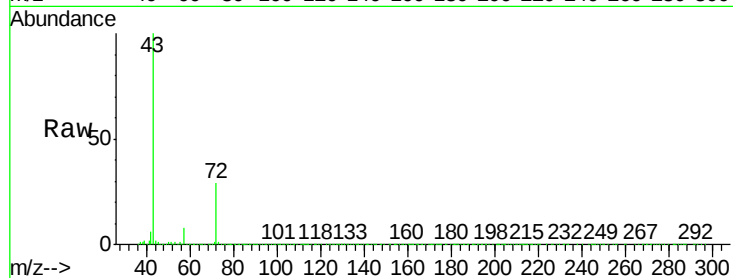
VSTDICC150

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#26

2,2-Dichloropropane

Concen: 171.881 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015326.D

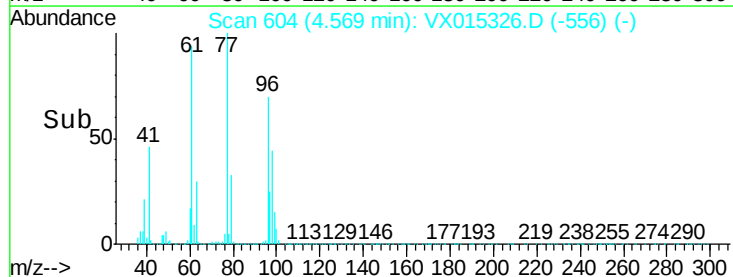
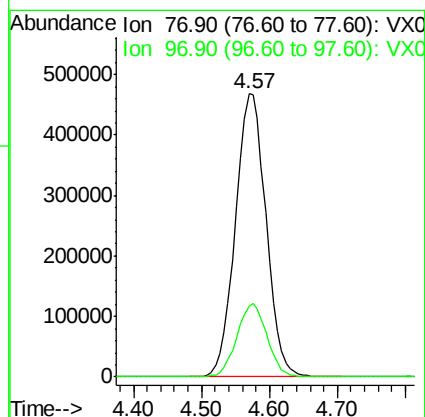
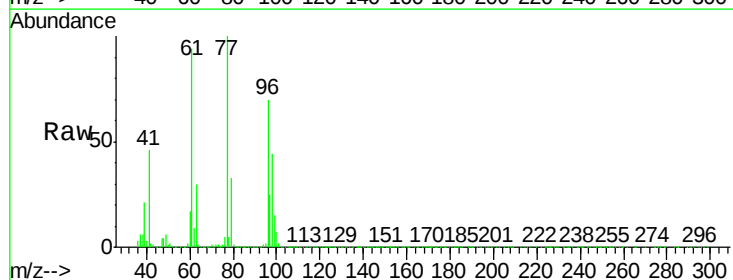
Acq: 18 Mar 2020 14:32

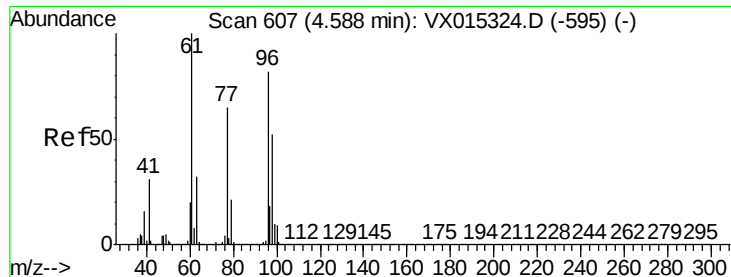
Tgt Ion: 77 Resp: 1458466

Ion Ratio Lower Upper

77 100

97 25.6 13.0 38.9





#27

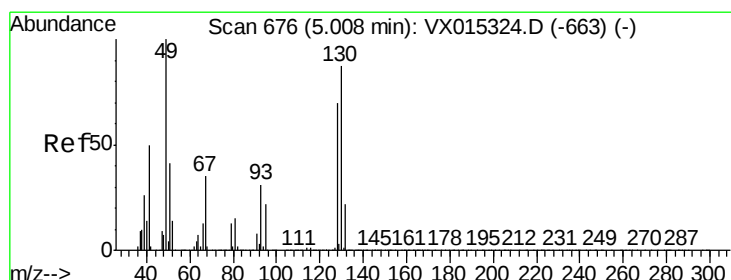
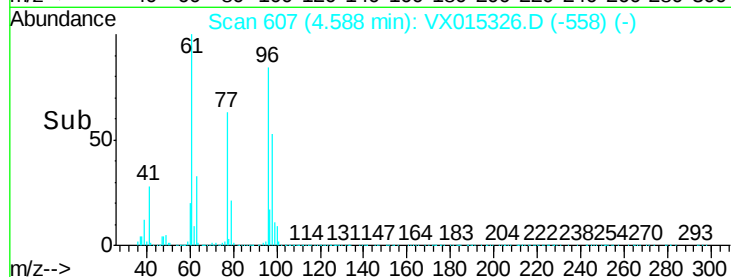
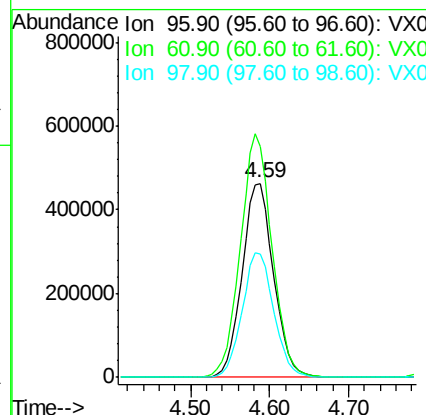
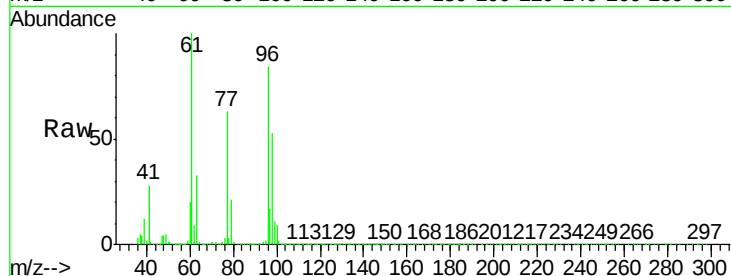
cis-1,2-Dichloroethene
Concen: 189.533 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	255.8
98	64.5	0.0	128.8

Manual Integrations
APPROVED

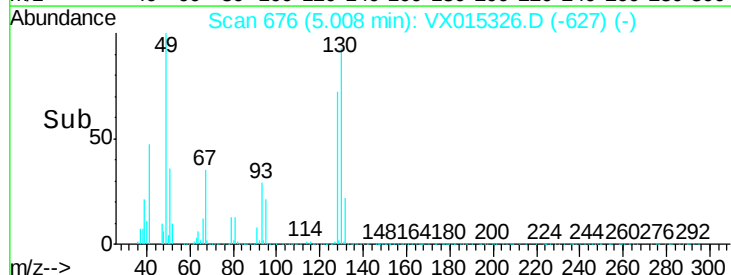
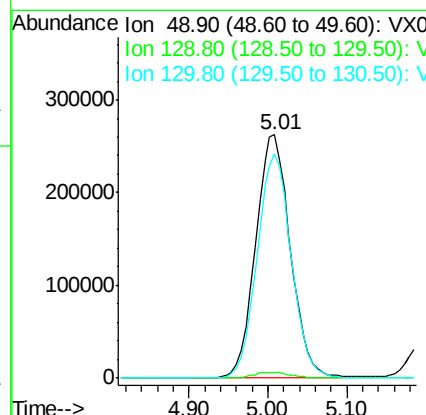
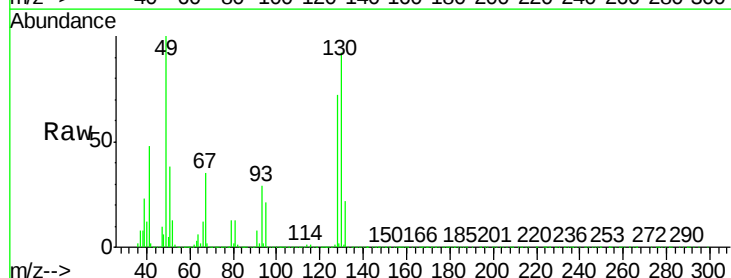
MMDadoda
3/19/2020 12:00:59 PM

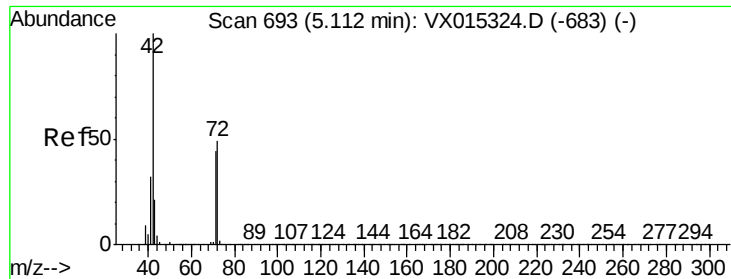


#28

Bromochloromethane
Concen: 165.932 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	90.9	69.9	104.9





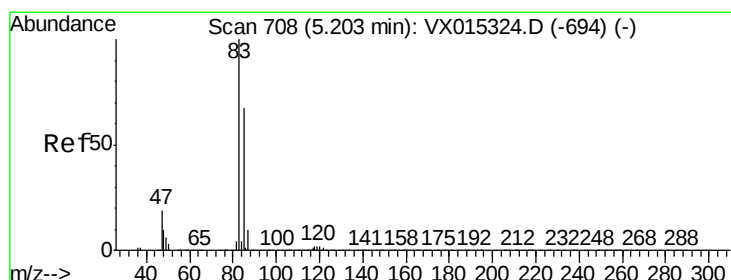
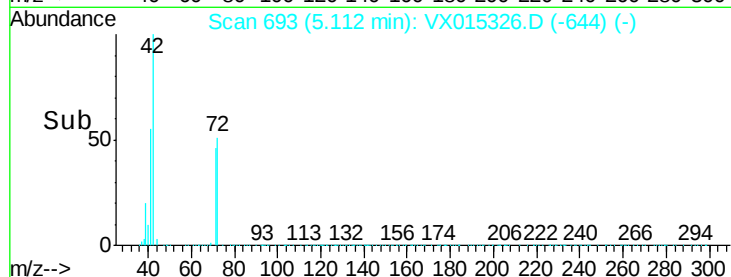
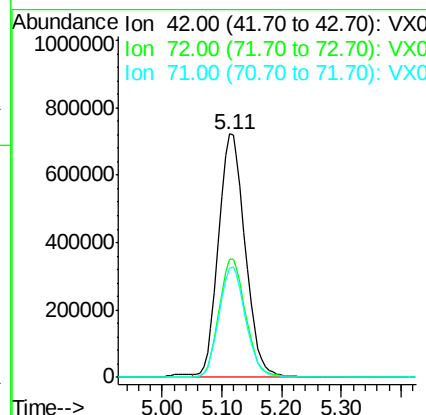
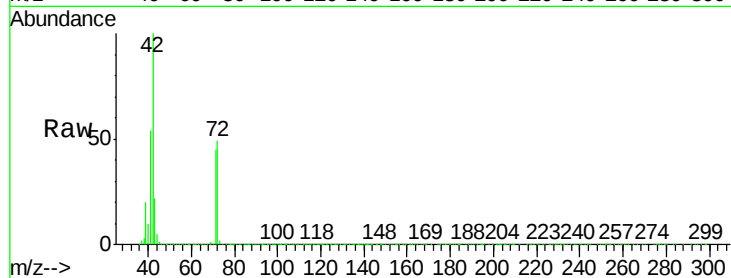
#29
Tetrahydrofuran
Concen: 866.880 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.6	59.4
71	45.1	36.5	54.7

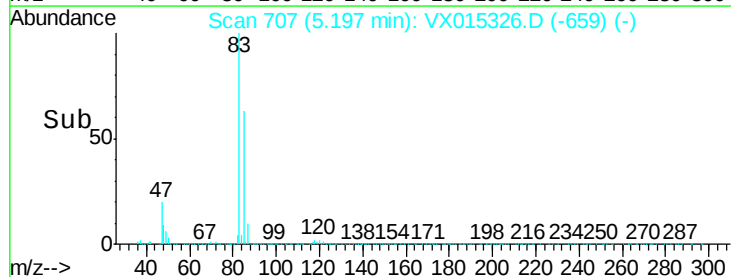
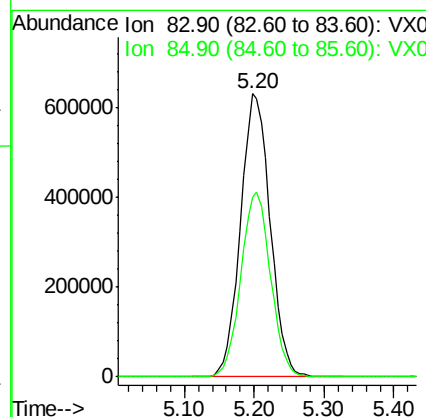
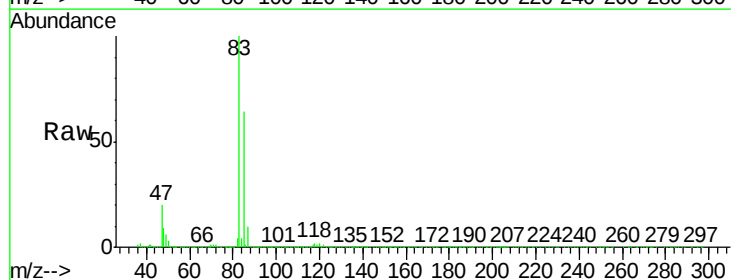
Manual Integrations
APPROVED

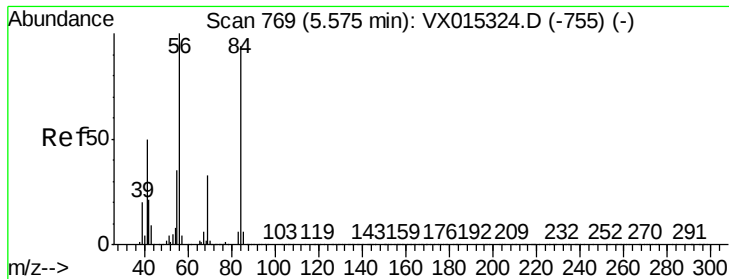
MMDadoda
3/19/2020 12:00:59 PM



#30
Chloroform
Concen: 175.480 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.8	80.6





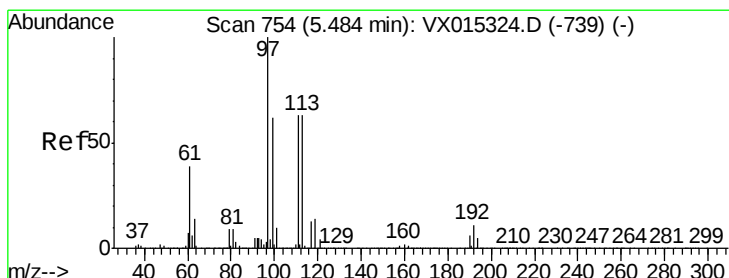
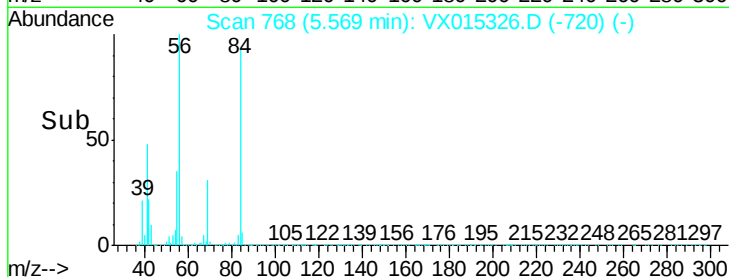
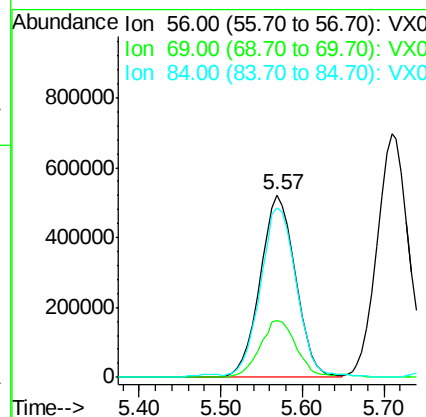
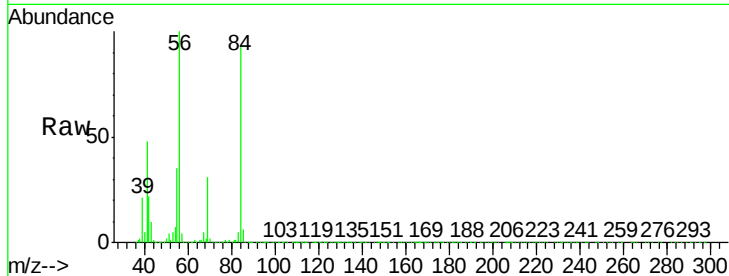
#31
Cvclohexane
Concen: 163.165 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.2	39.4
84	92.3	75.2	112.8

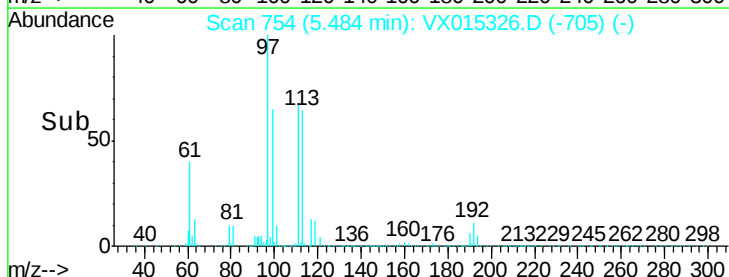
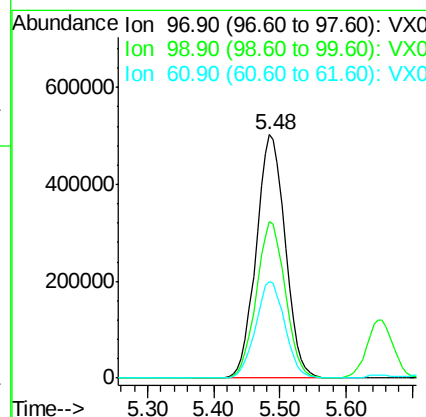
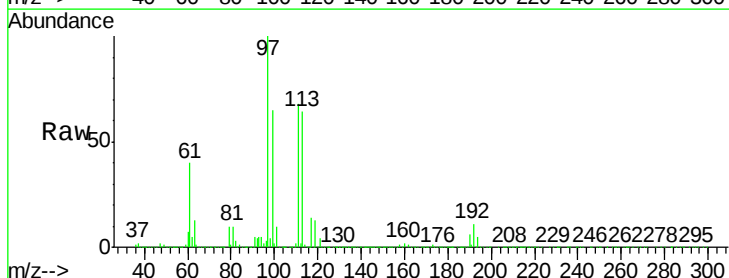
Manual Integrations
APPROVED

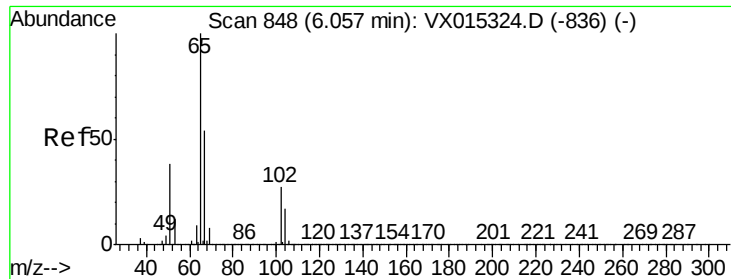
MMDadoda
3/19/2020 12:00:59 PM



#32
1,1,1-Trichloroethane
Concen: 174.332 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	39.9	31.7	47.5





#33

1,2-Dichloroethane-d4

Concen: 156.370 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 1046725

Ion Ratio Lower Upper

65 100

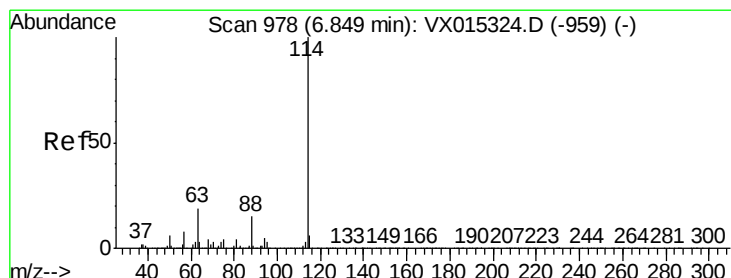
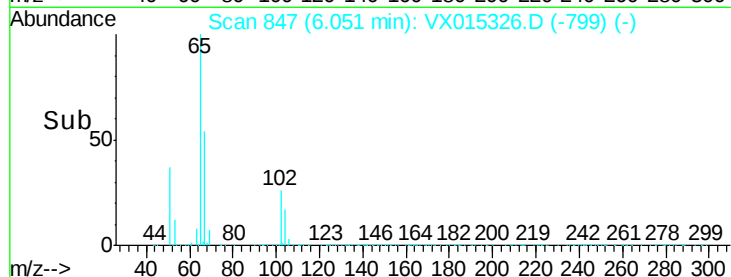
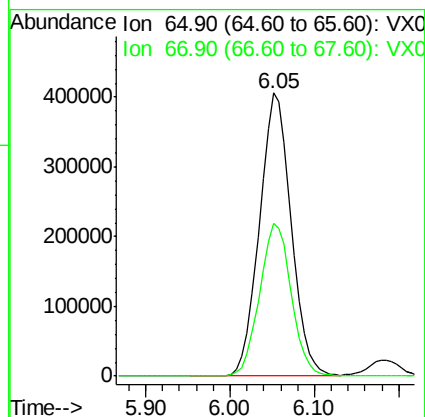
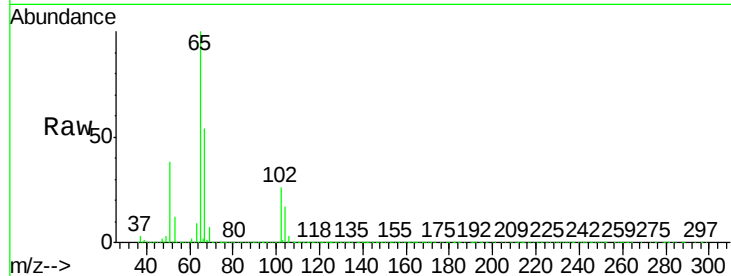
67 53.9 0.0 108.6

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

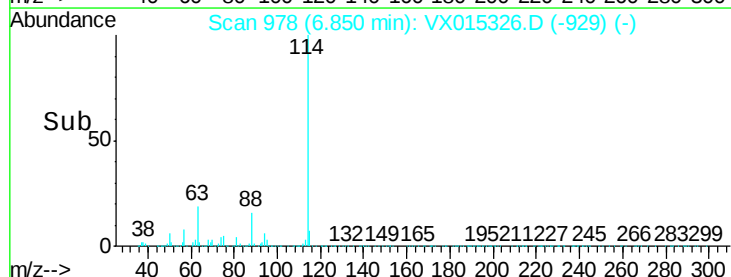
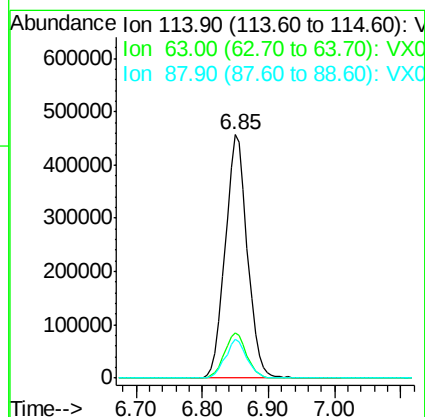
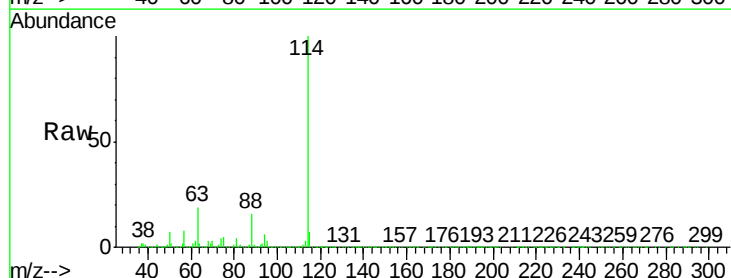
Tgt Ion: 114 Resp: 1059443

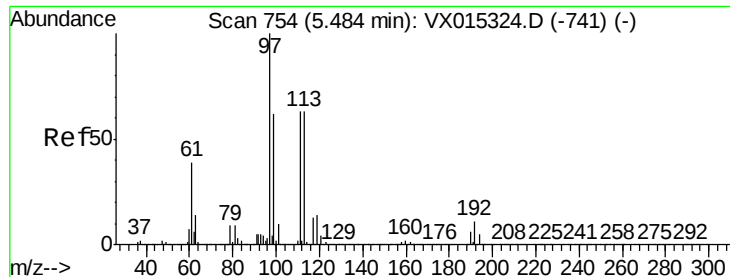
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 15.6 0.0 30.0





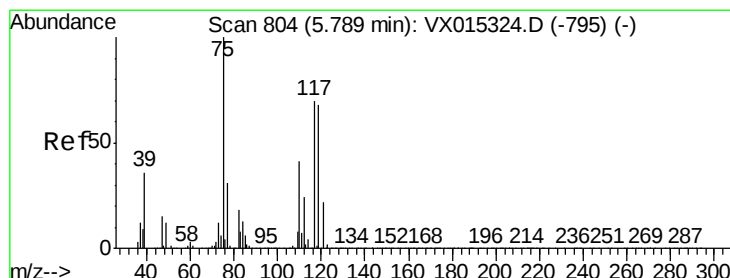
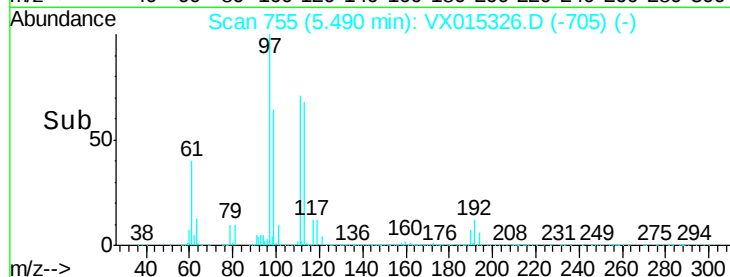
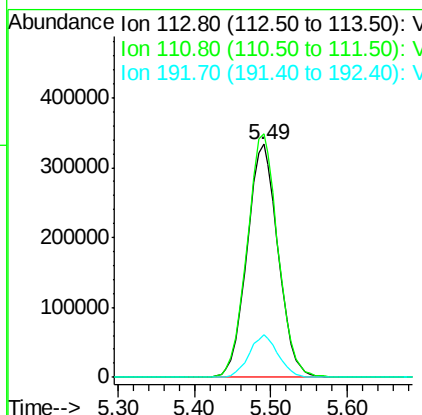
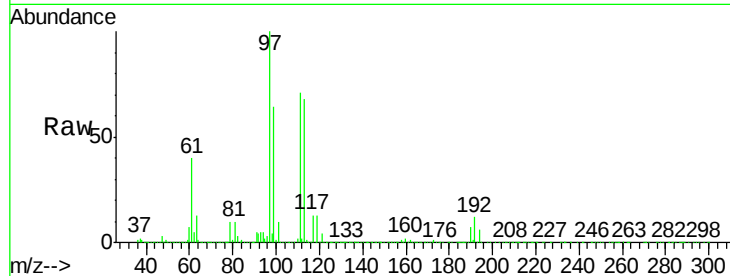
#35
 Dibromofluoromethane
 Concen: 140.323 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.5	123.7
192	17.3	14.2	21.2

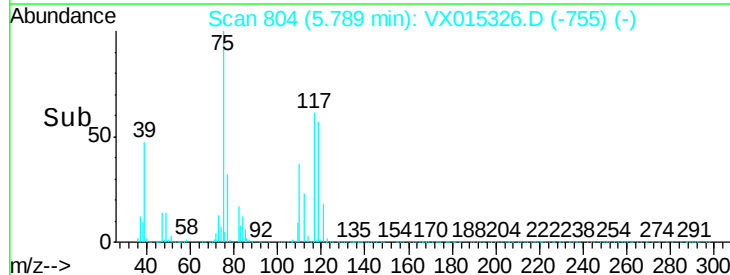
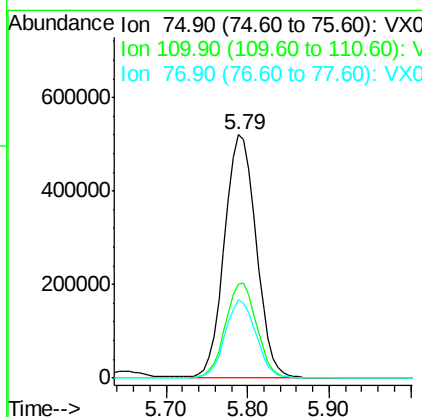
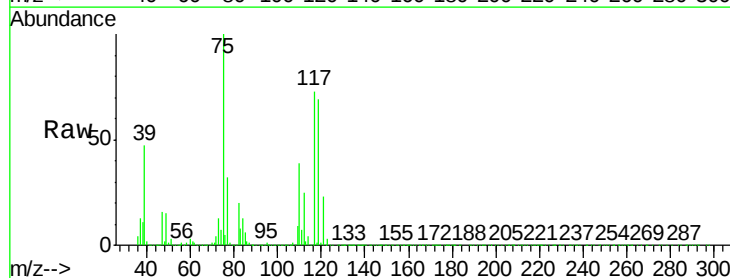
Manual Integrations
 APPROVED

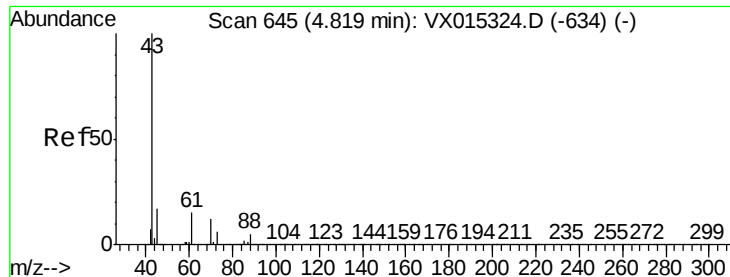
MMDadoda
 3/19/2020 12:00:59 PM



#36
 1,1-Dichloropropene
 Concen: 142.161 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.4	58.4
77	31.0	24.6	37.0





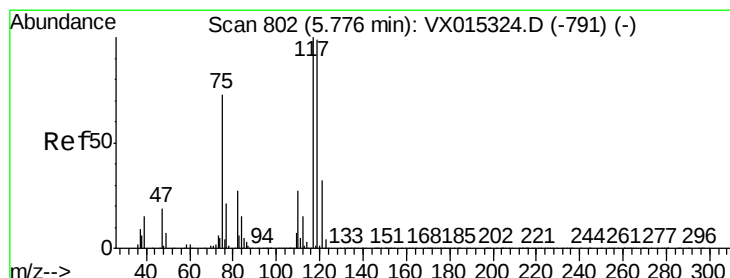
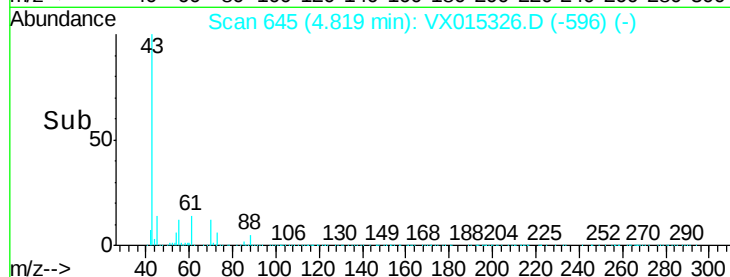
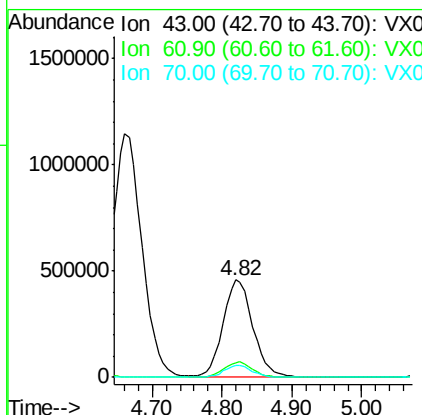
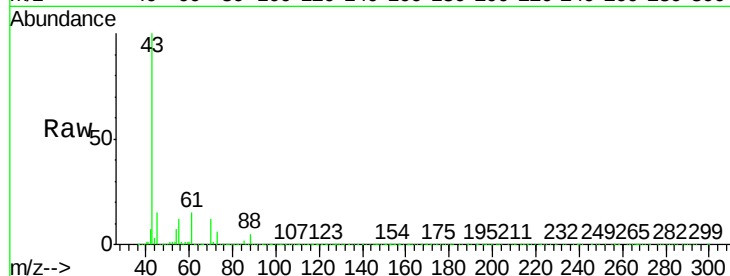
#37
Ethyl Acetate
Concen: 150.936 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.2	18.2
70	11.7	9.8	14.6

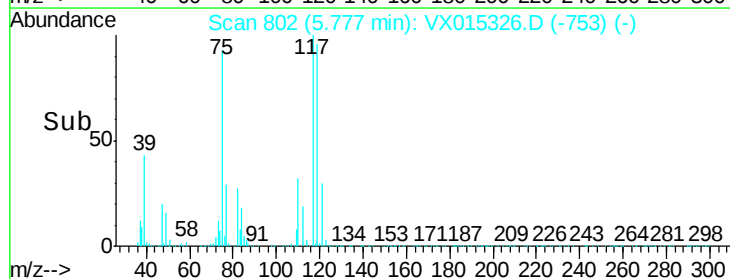
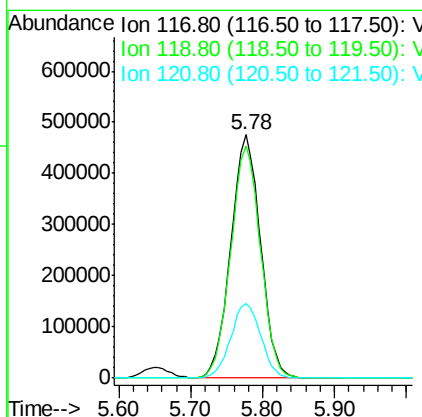
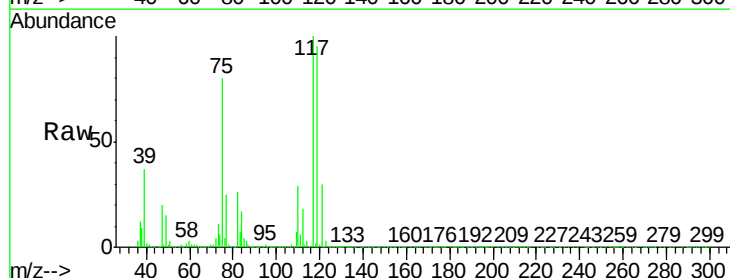
Manual Integrations
APPROVED

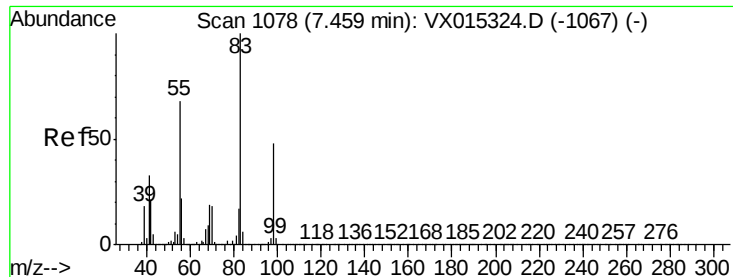
MMDadoda
3/19/2020 12:00:59 PM



#38
Carbon Tetrachloride
Concen: 146.107 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.3	118.9
121	30.5	25.4	38.0





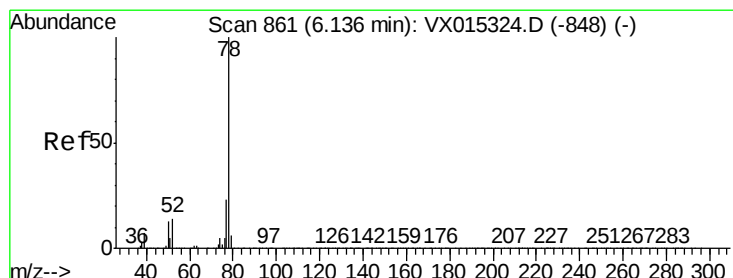
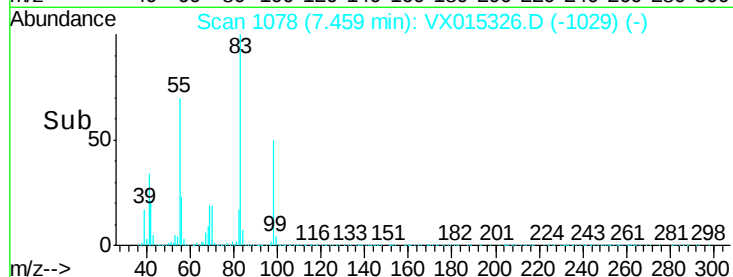
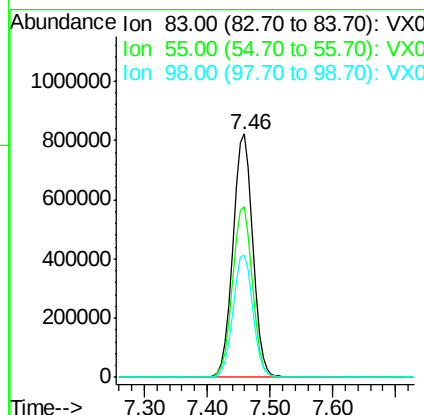
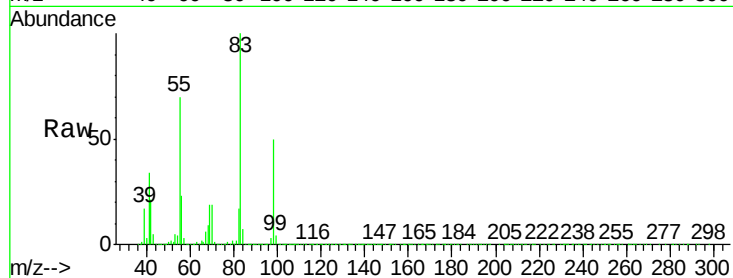
#39
Methvlcvclohexane
Concen: 155.391 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	54.8	82.2
98	50.3	38.8	58.2

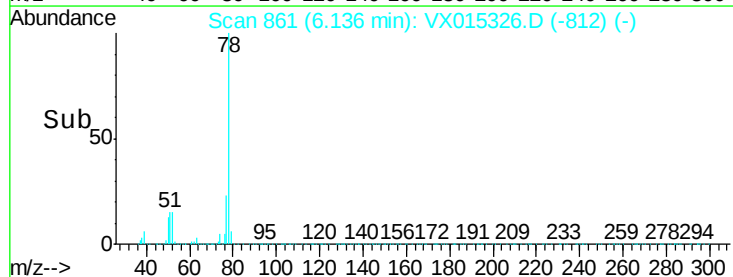
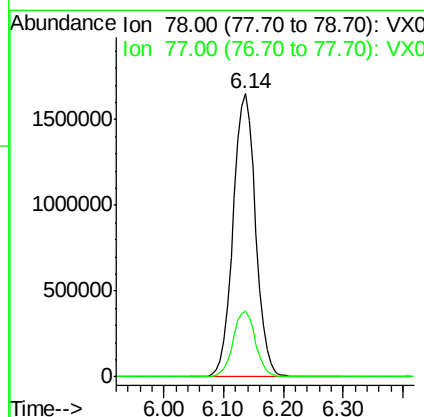
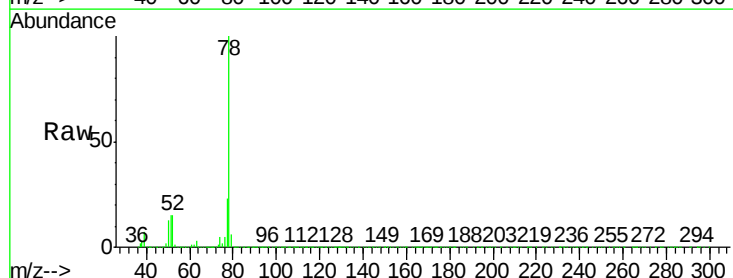
Manual Integrations
APPROVED

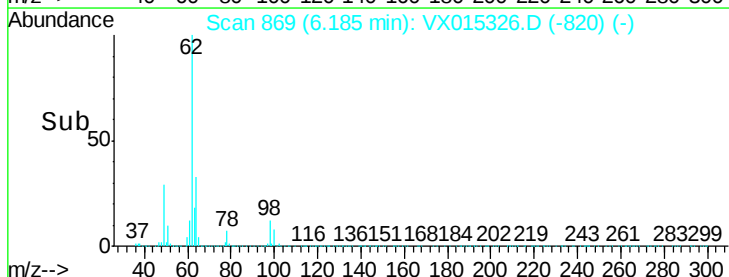
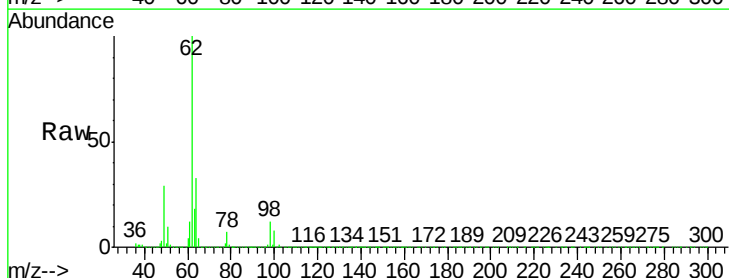
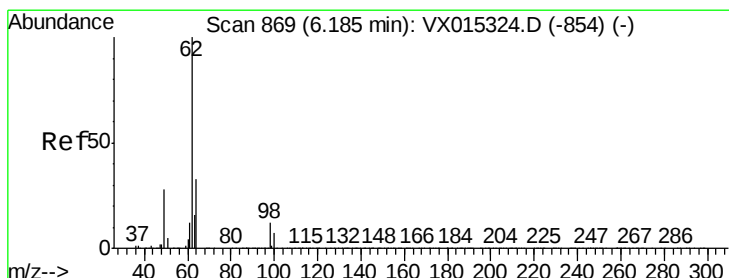
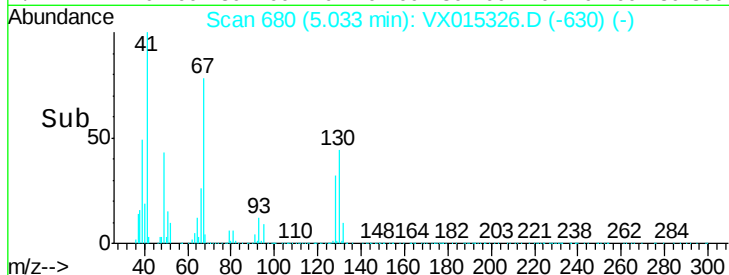
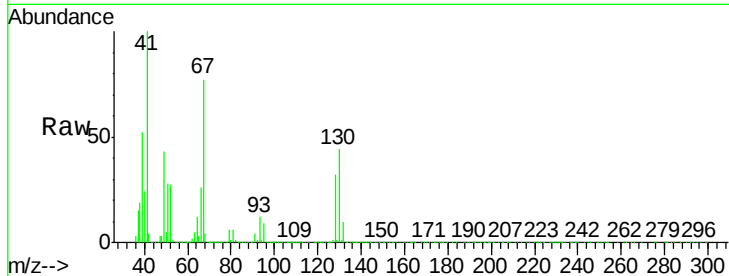
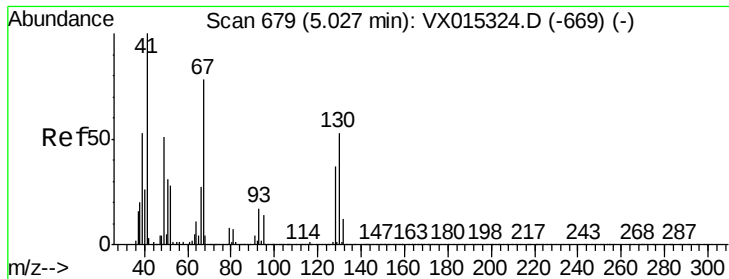
MMDadoda
3/19/2020 12:00:59 PM



#40
Benzene
Concen: 147.358 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

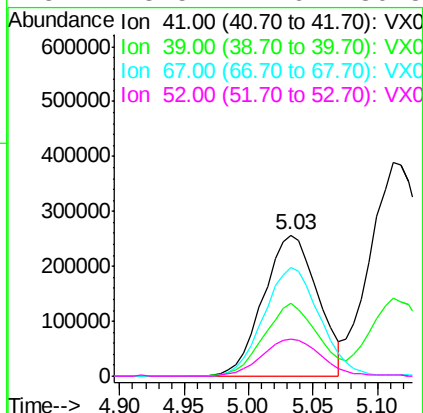
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.4





#41
Methacrylonitrile
Concen: 140.386 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	43.0	64.6	
67	79.3	66.0	99.0	
52	28.5	24.6	36.8	



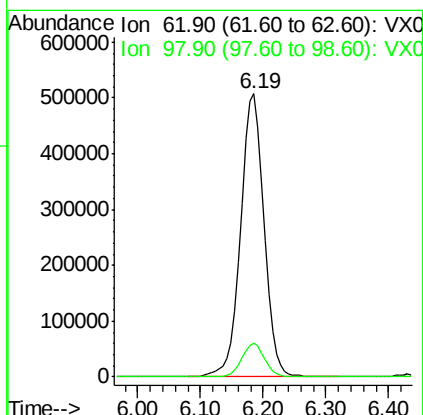
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

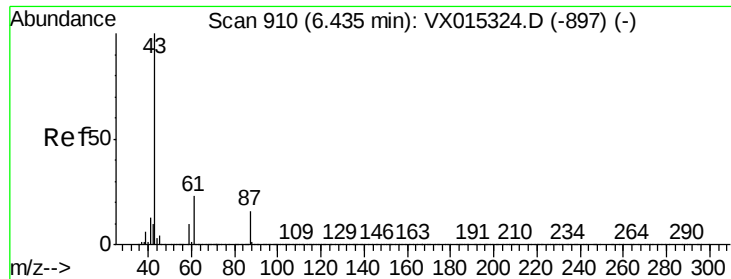
Manual Integrations
APPROVED

MMDadoda
3/19/2020 12:00:59 PM

#42
1,2-Dichloroethane
Concen: 132.854 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.4	0.0	22.6	





#43

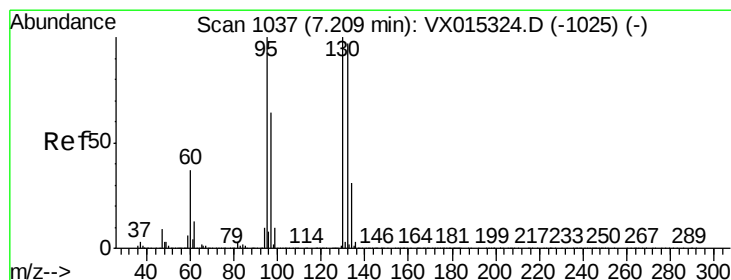
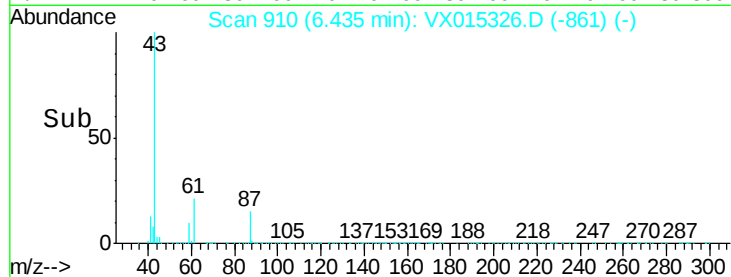
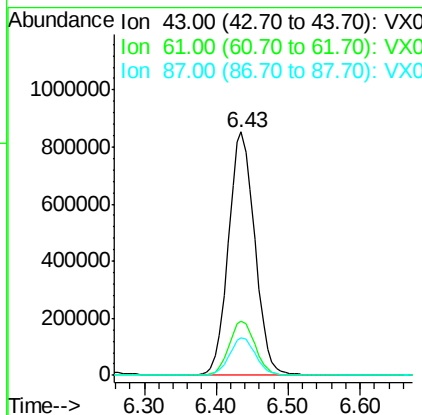
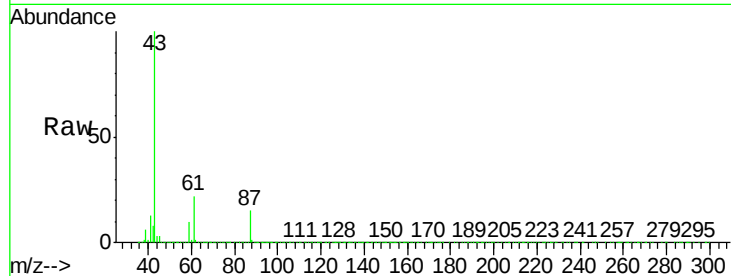
Isopropyl Acetate
 Concen: 137.692 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	18.2	27.2
87	15.5	12.3	18.5

Manual Integrations
 APPROVED

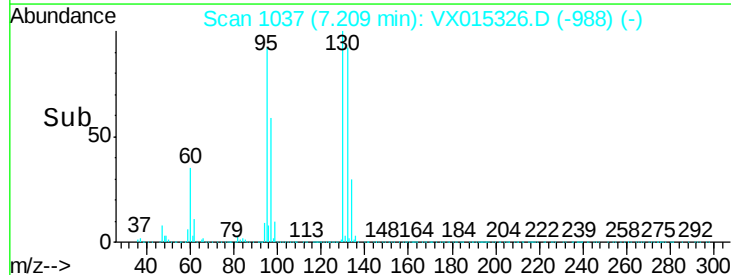
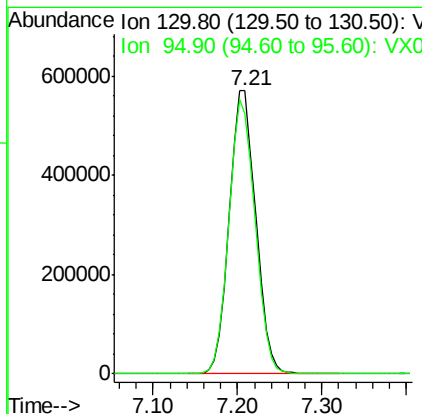
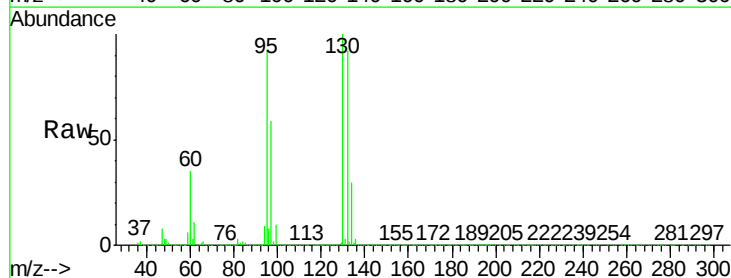
MMDadoda
 3/19/2020 12:00:59 PM

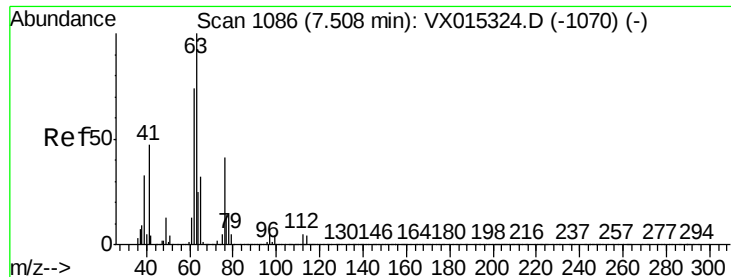


#44

Trichloroethene
 Concen: 150.788 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	200.4





#45

1,2-Dichloropropane

Concen: 142.799 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 1072771

Ion Ratio Lower Upper

63 100

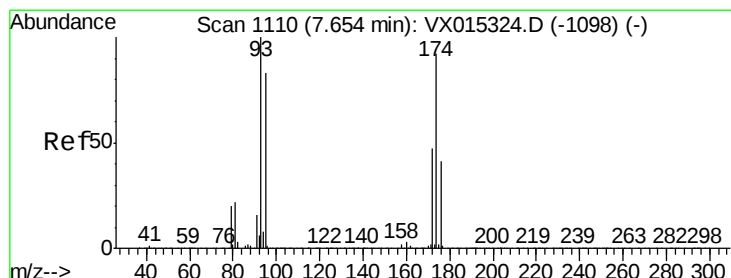
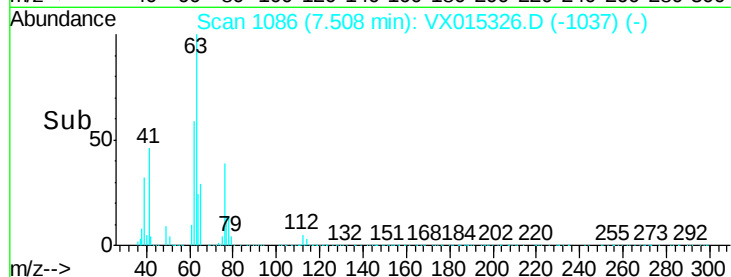
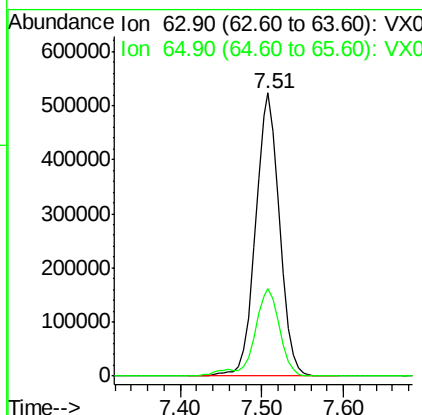
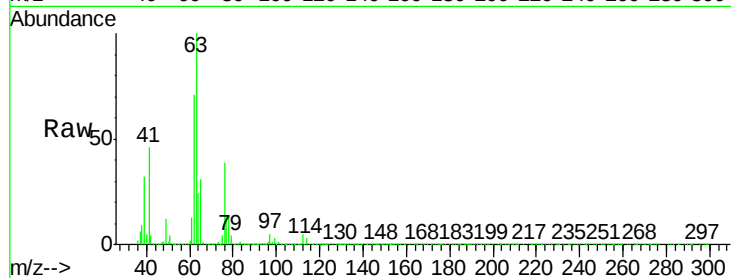
65 30.9 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#46

Dibromomethane

Concen: 148.991 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

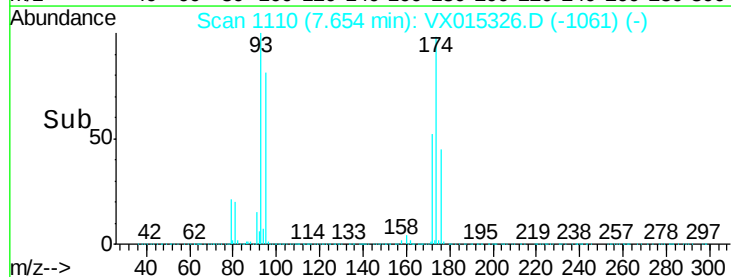
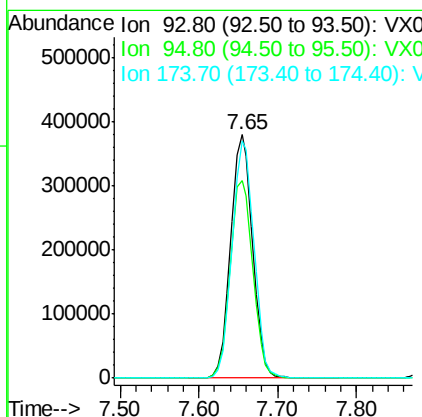
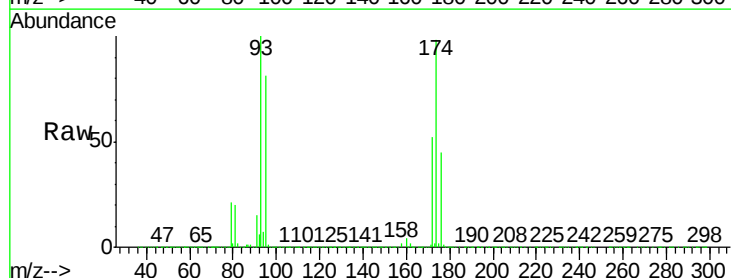
Tgt Ion: 93 Resp: 735338

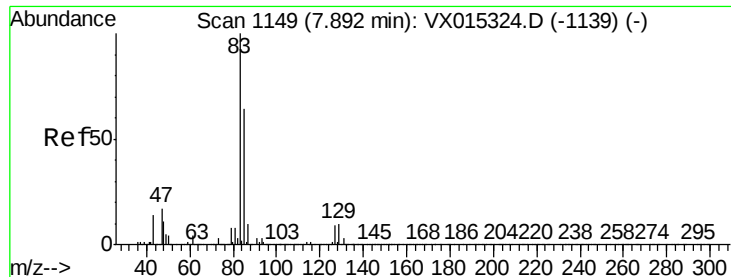
Ion Ratio Lower Upper

93 100

95 83.7 66.3 99.5

174 97.5 74.2 111.2





#47

Bromodichloromethane

Concen: 149.241 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 83 Resp: 1449625

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.6

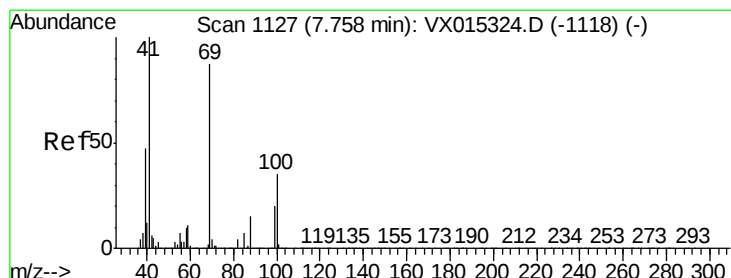
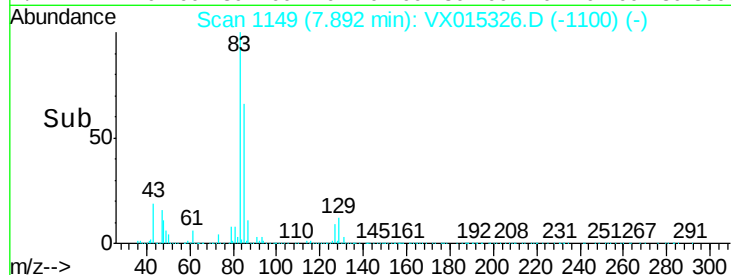
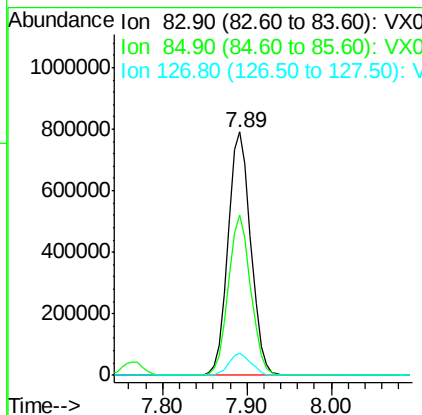
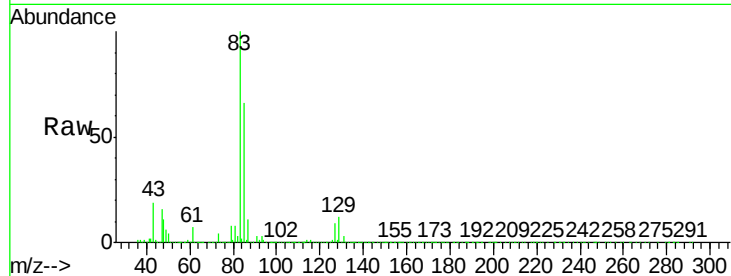
127 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#48

Methyl methacrylate

Concen: 136.523 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

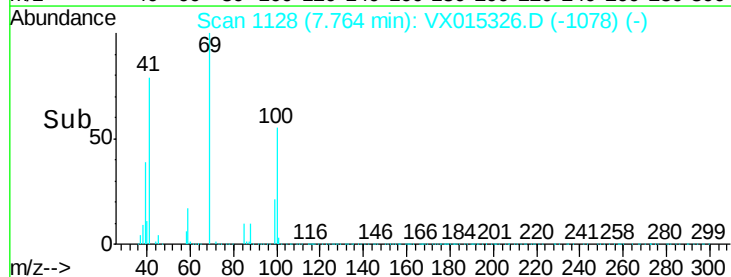
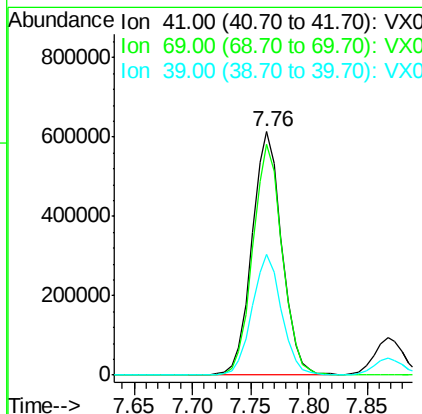
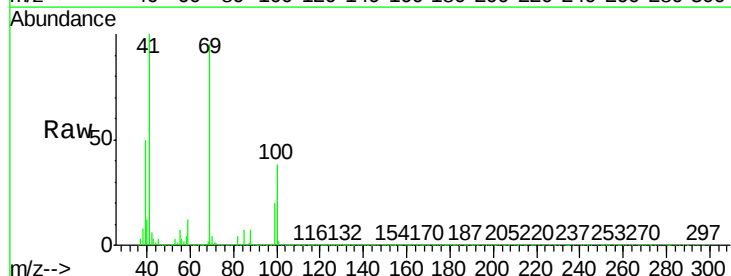
Tgt Ion: 41 Resp: 1089216

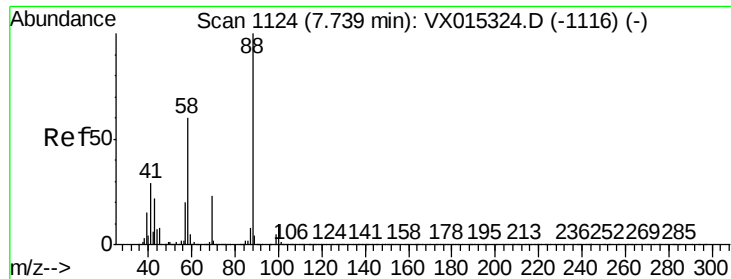
Ion Ratio Lower Upper

41 100

69 94.0 74.4 111.6

39 48.8 39.2 58.8





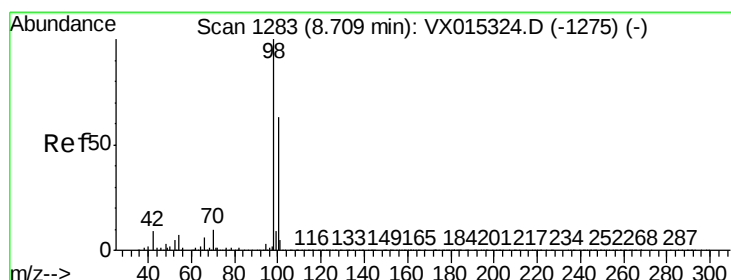
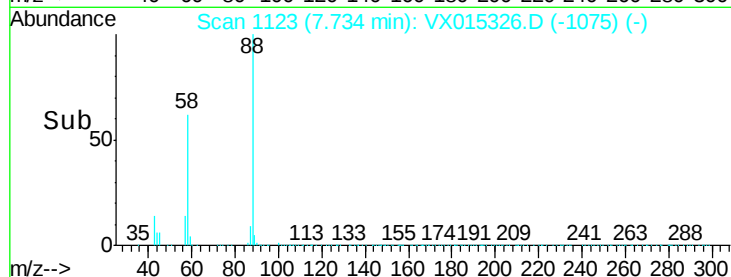
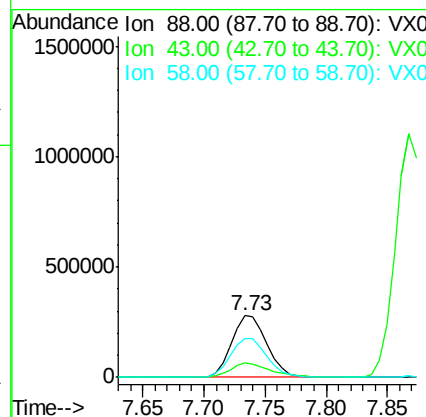
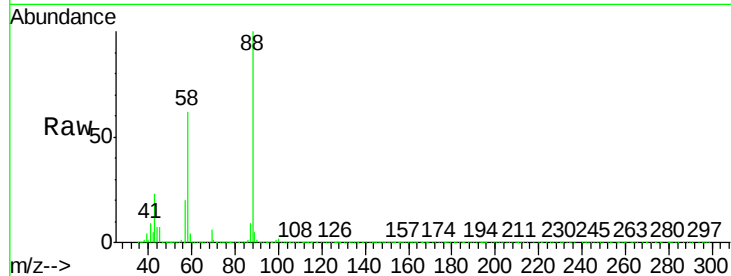
#49
1,4-Dioxane
Concen: 3090.650 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.7	31.1
58	65.3	53.9	80.9

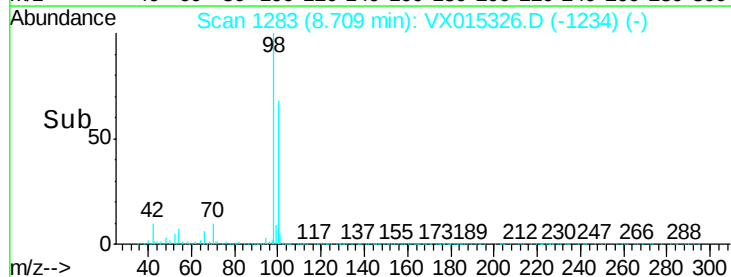
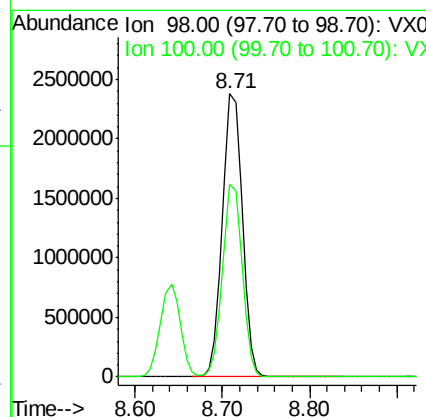
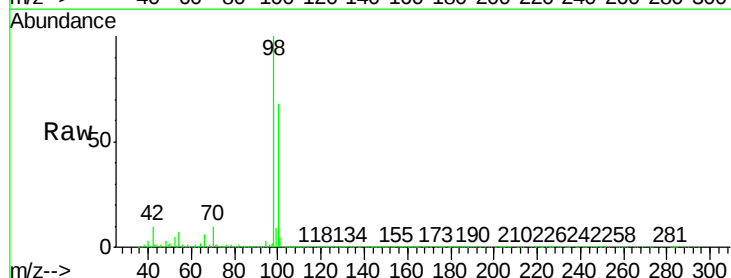
Manual Integrations
APPROVED

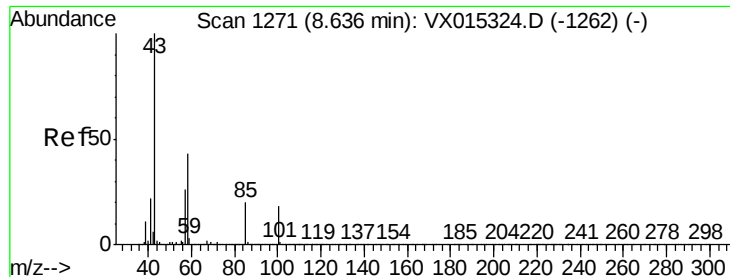
MMDadoda
3/19/2020 12:00:59 PM



#50
Toluene-d8
Concen: 148.121 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 711.329 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6616184

Ion Ratio Lower Upper

43 100

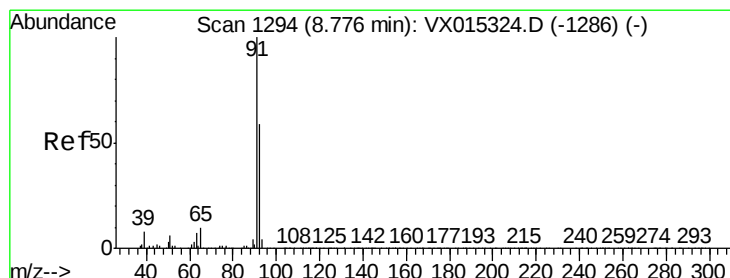
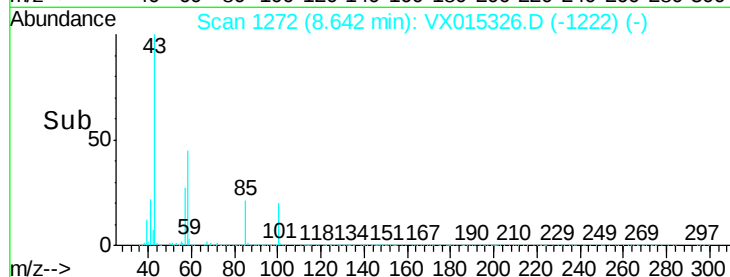
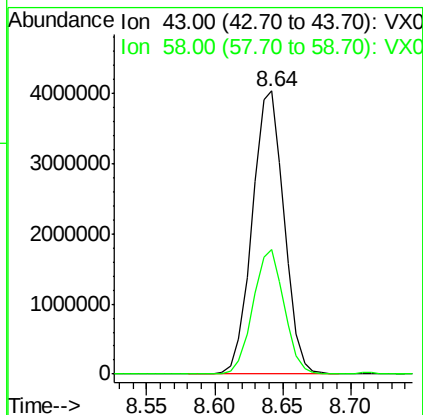
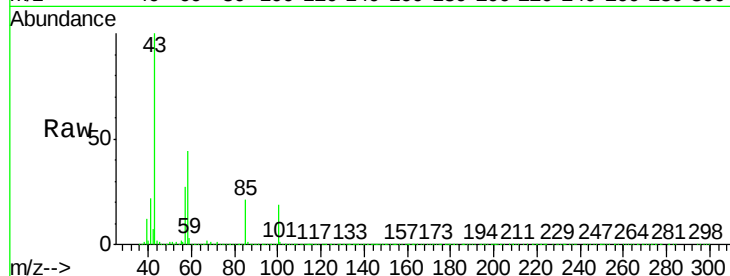
58 43.2 34.6 51.8

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#52

Toluene

Concen: 153.361 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX015326.D

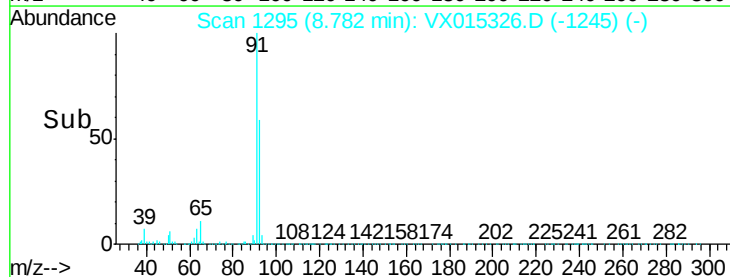
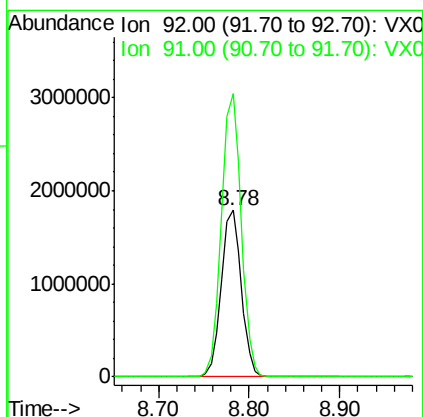
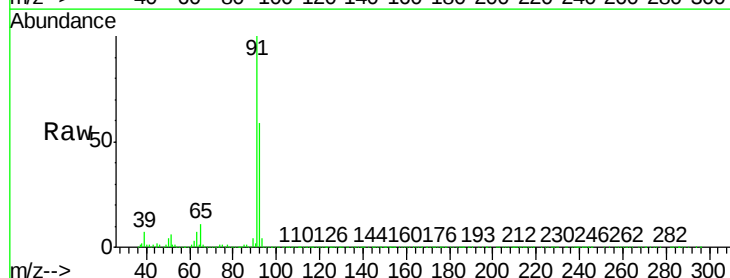
Acq: 18 Mar 2020 14:32

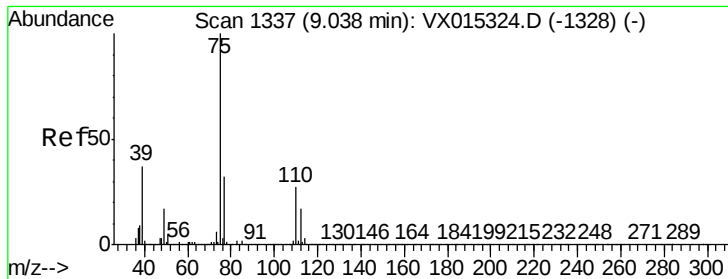
Tgt Ion: 92 Resp: 2749492

Ion Ratio Lower Upper

92 100

91 169.3 136.4 204.6





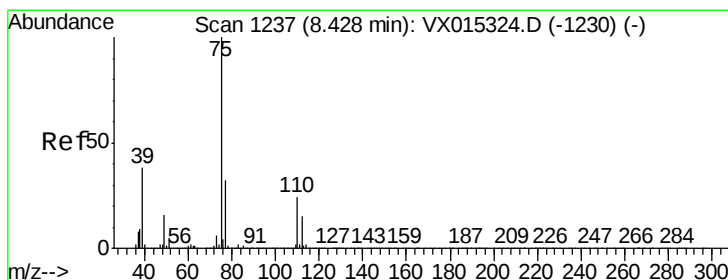
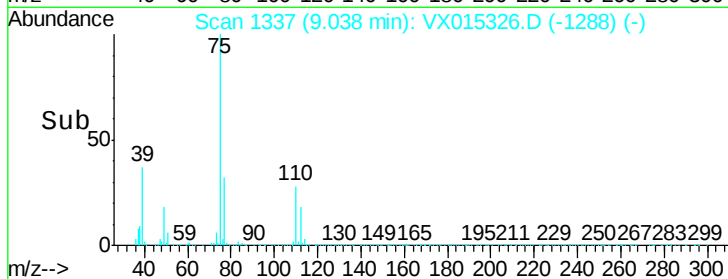
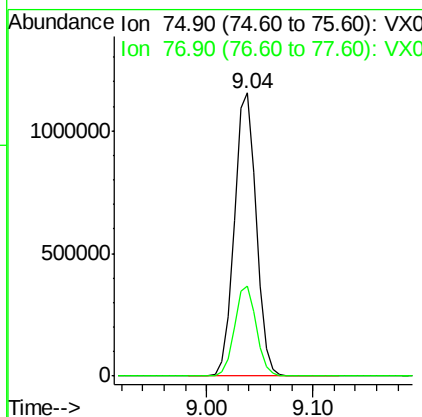
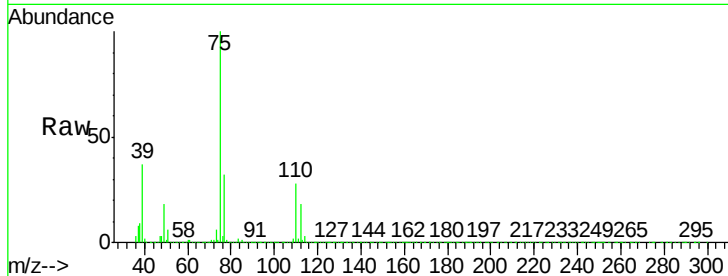
#53
t-1,3-Dichloropropene
Concen: 162.094 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 1665529
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8

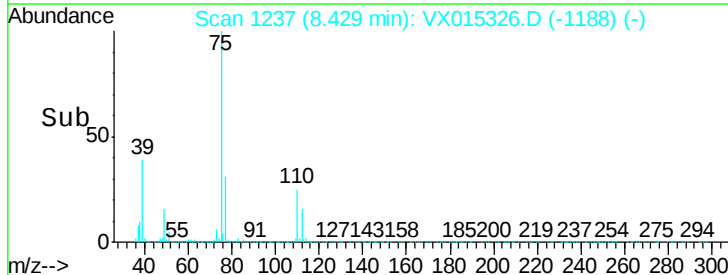
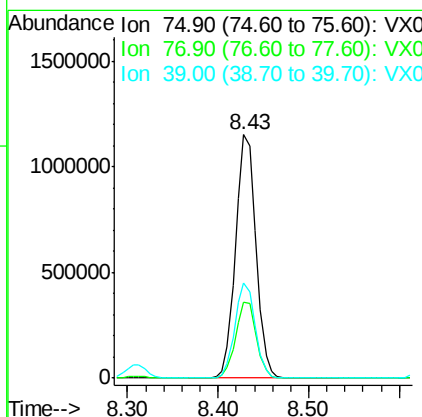
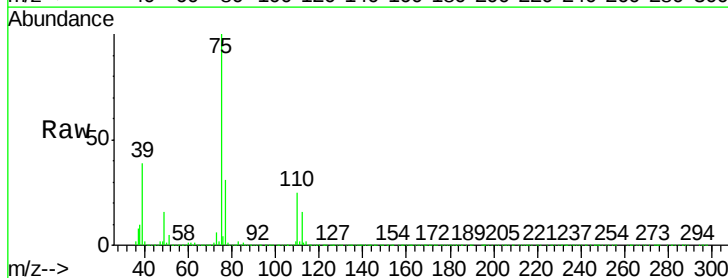
Manual Integrations
APPROVED

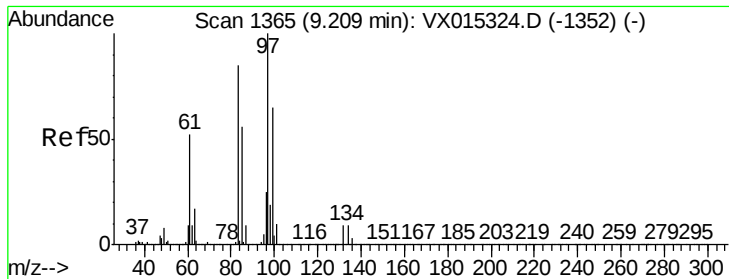
MMDadoda
3/19/2020 12:00:59 PM



#54
cis-1,3-Dichloropropene
Concen: 153.948 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 75 Resp: 1800436
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 38.9 30.2 45.2





#55

1,1,2-Trichloroethane

Concen: 149.507 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 1105912

Ion Ratio Lower Upper

97 100

83 83.8 67.7 101.5

85 54.4 44.5 66.7

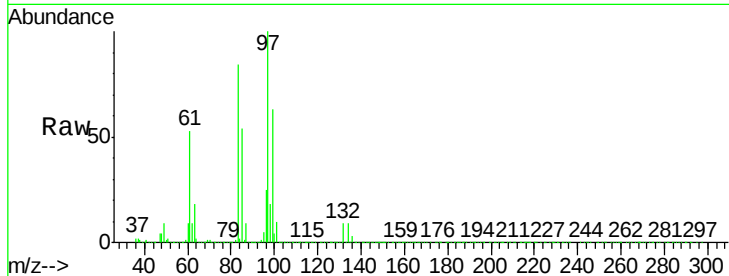
99 62.8 51.8 77.8

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM

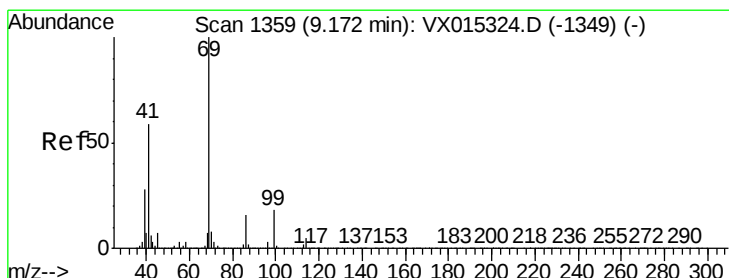
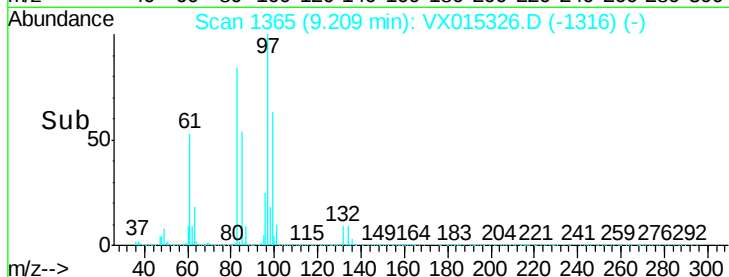
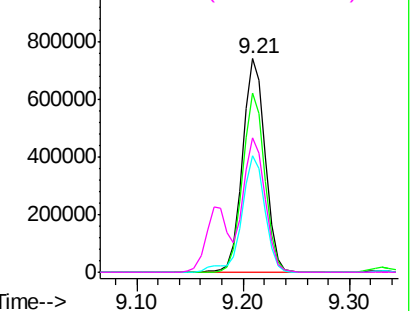


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 165.308 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

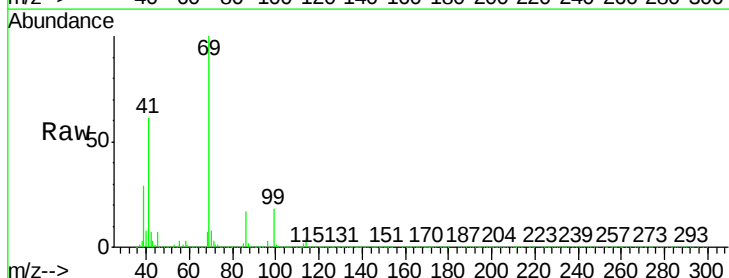
Tgt Ion: 69 Resp: 1723710

Ion Ratio Lower Upper

69 100

41 60.2 47.5 71.3

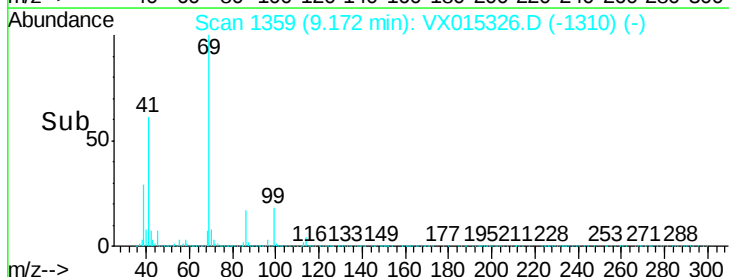
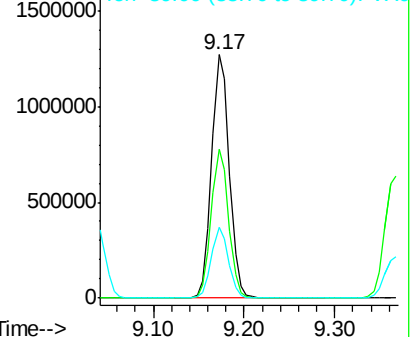
39 28.3 23.0 34.4

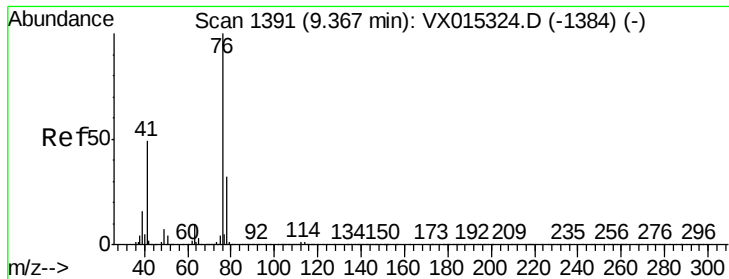


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 146.594 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1815424

Ion Ratio Lower Upper

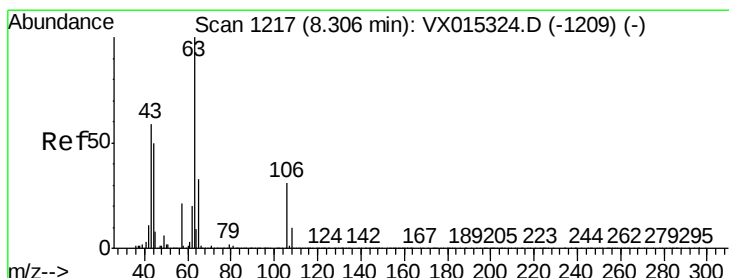
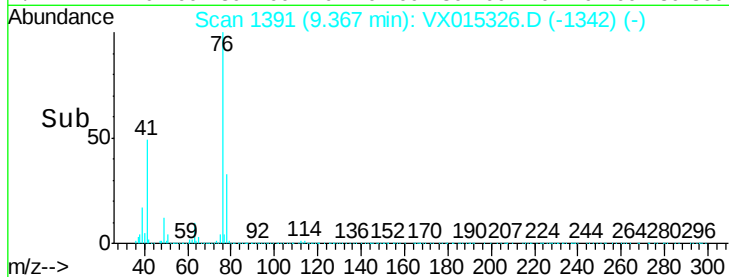
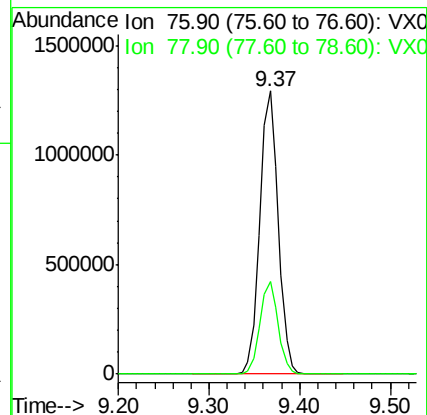
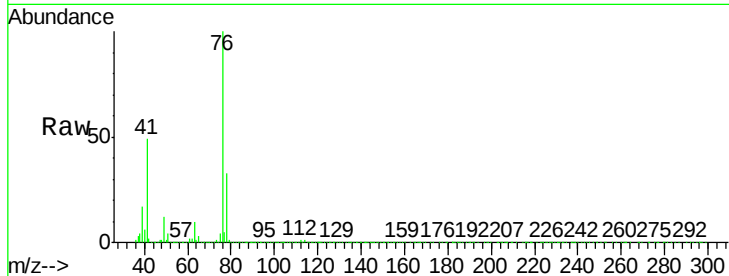
76 100

78 32.4 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 1105.638 ug/l

RT: 8.31 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VX015326.D

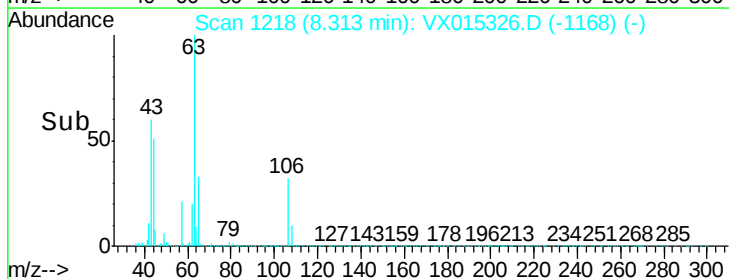
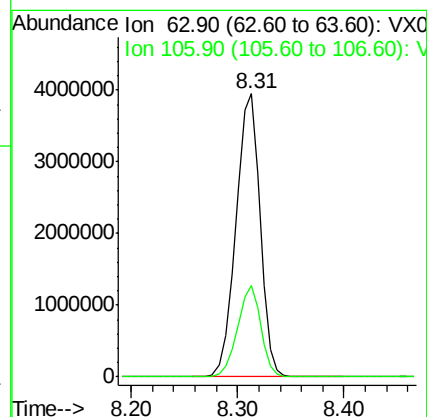
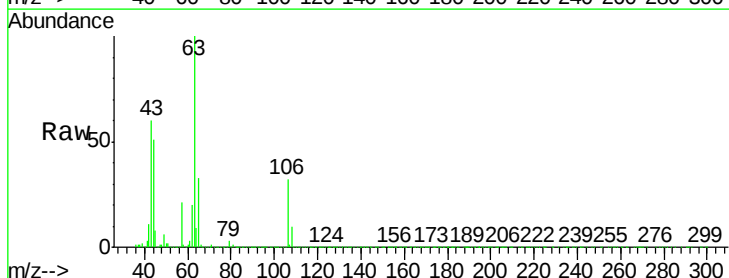
Acq: 18 Mar 2020 14:32

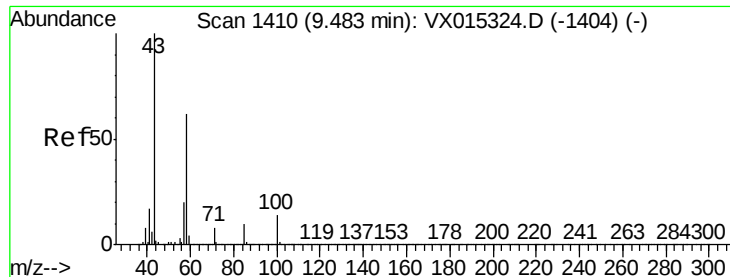
Tgt Ion: 63 Resp: 6265708

Ion Ratio Lower Upper

63 100

106 31.2 24.3 36.5





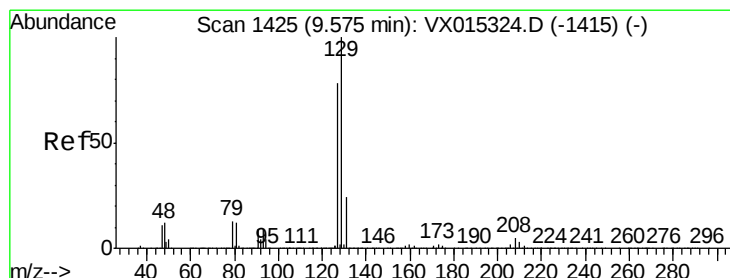
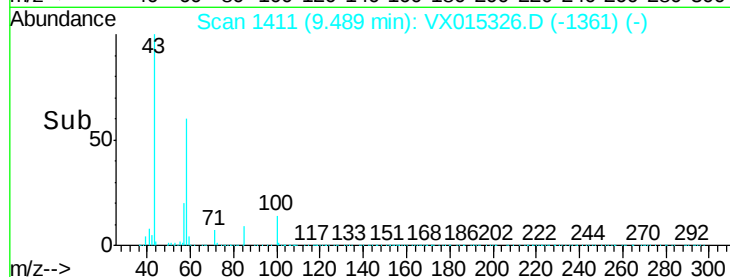
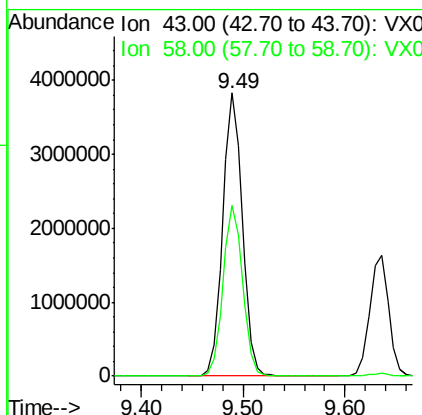
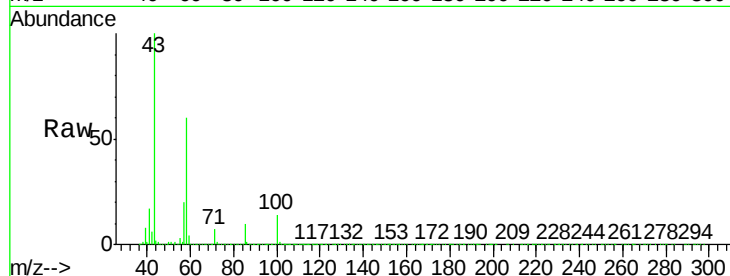
#59
2-Hexanone
Concen: 744.349 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5122460
Ion Ratio Lower Upper
43 100
58 60.4 30.3 90.8

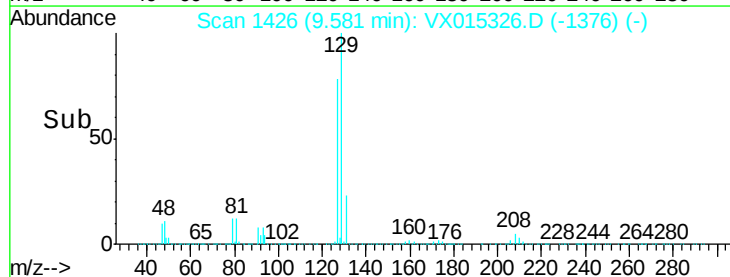
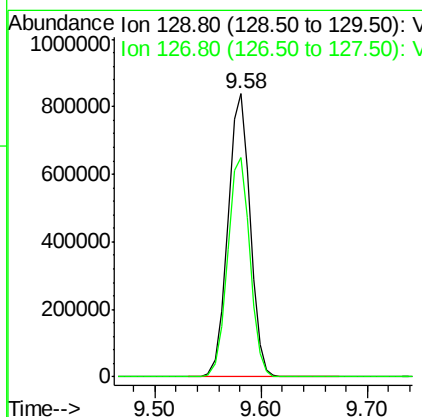
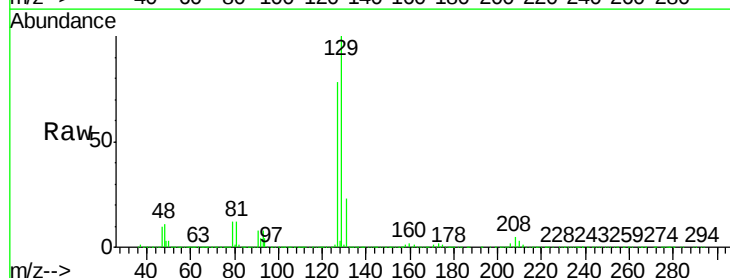
Manual Integrations
APPROVED

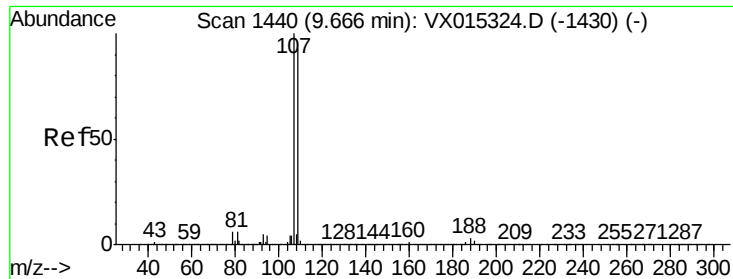
MMDadoda
3/19/2020 12:00:59 PM



#60
Dibromochloromethane
Concen: 159.199 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 129 Resp: 1228812
Ion Ratio Lower Upper
129 100
127 77.7 39.3 117.9





#61

1,2-Dibromoethane

Concen: 155.480 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 1213866

Ion Ratio Lower Upper

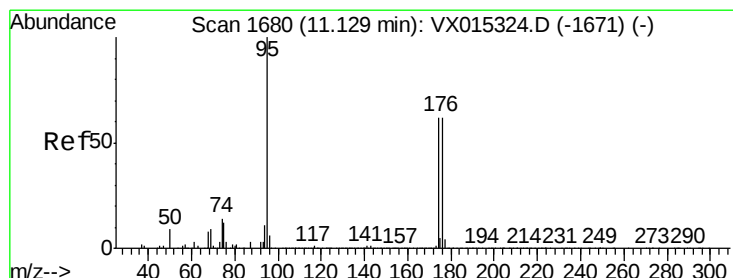
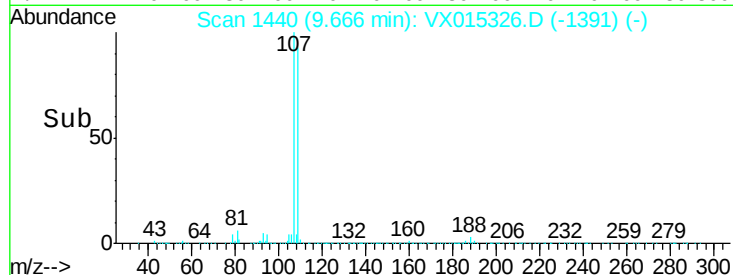
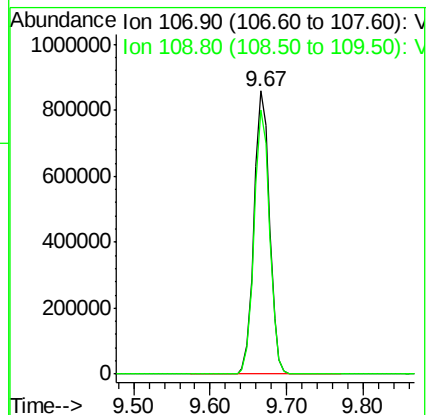
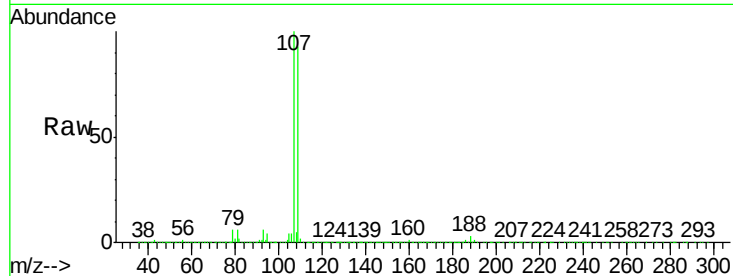
107 100

109 93.0 75.1 112.7

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#62

4-Bromofluorobenzene

Concen: 160.319 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

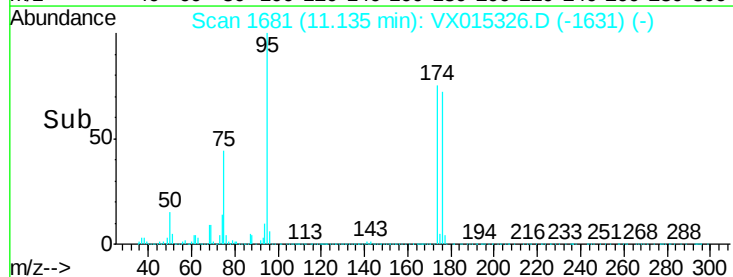
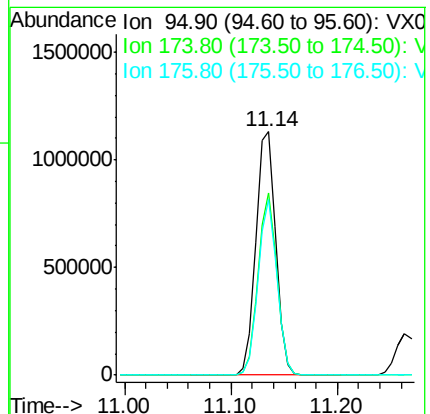
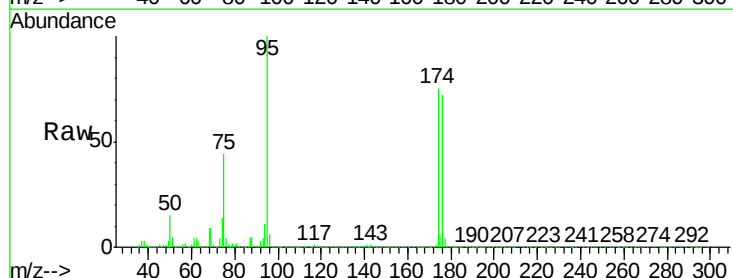
Tgt Ion: 95 Resp: 1480747

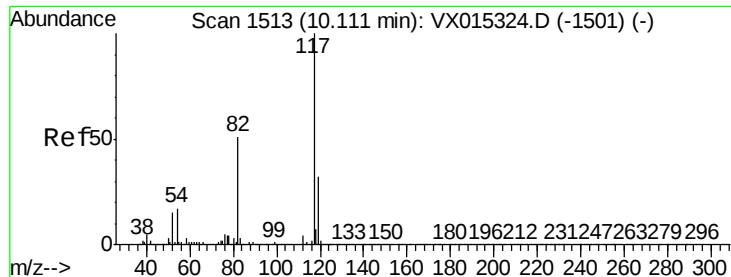
Ion Ratio Lower Upper

95 100

174 71.2 0.0 145.6

176 68.5 0.0 141.6





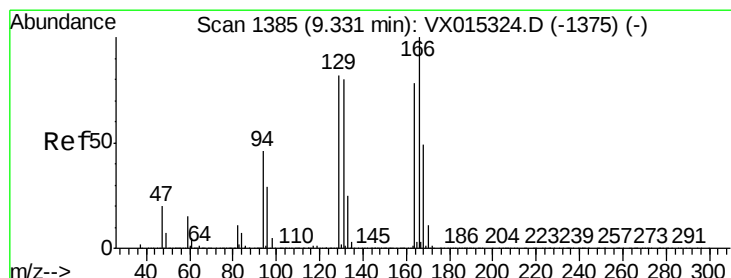
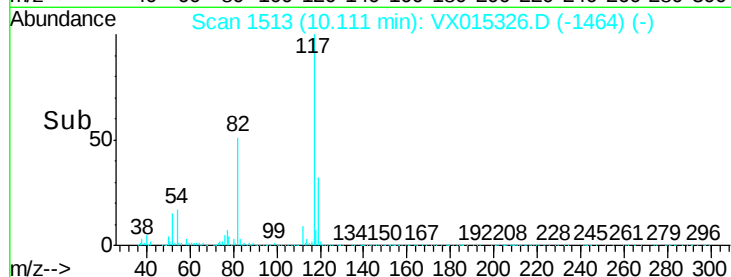
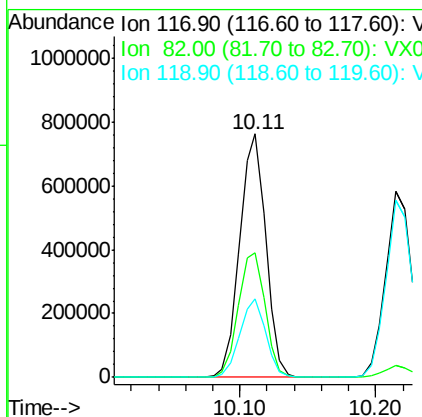
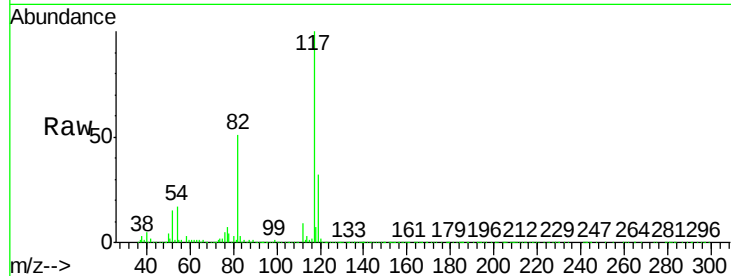
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.6	60.8
119	32.4	25.4	38.2

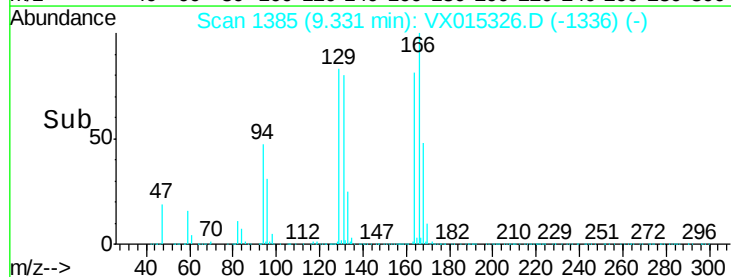
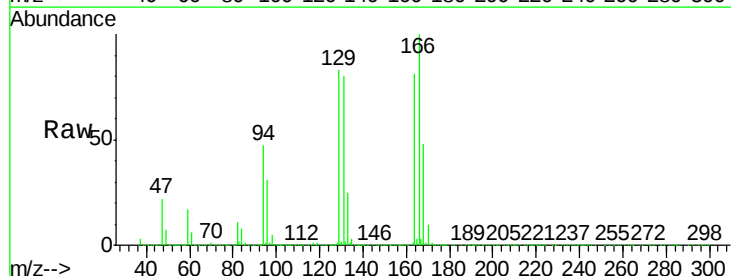
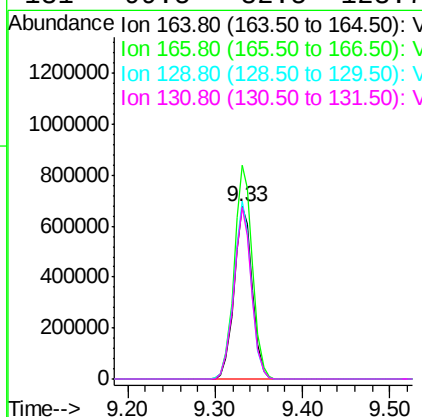
Manual Integrations
APPROVED

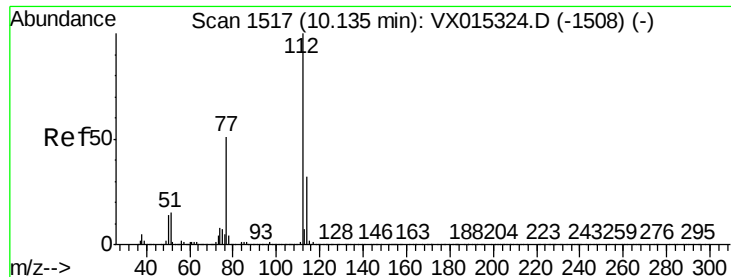
MMDadoda
3/19/2020 12:00:59 PM



#64
Tetrachloroethene
Concen: 117.914 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	102.6	153.8
129	103.2	84.5	126.7
131	99.5	82.5	123.7





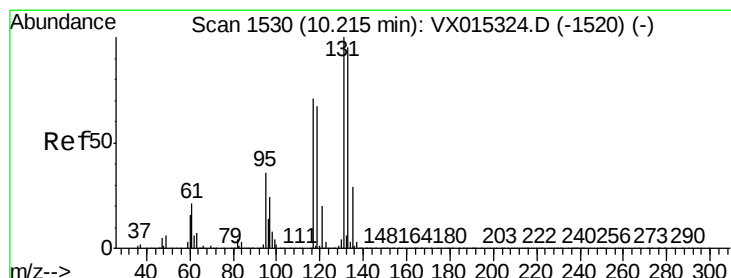
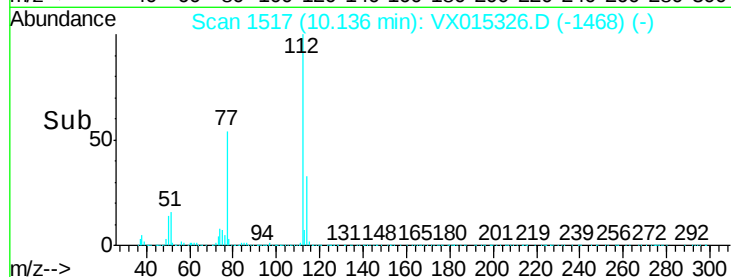
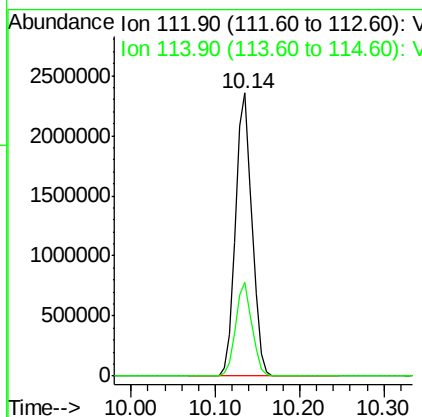
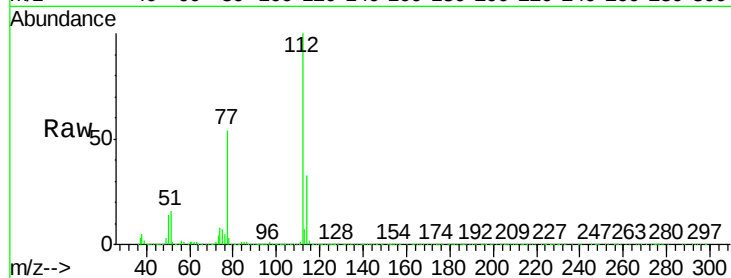
#65
Chlorobenzene
Concen: 149.650 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3102103
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4

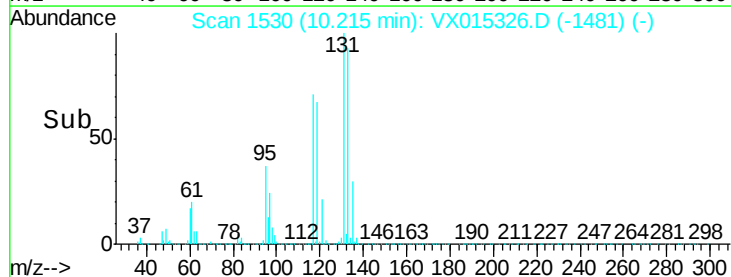
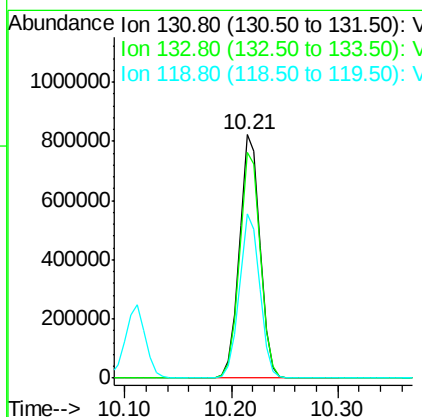
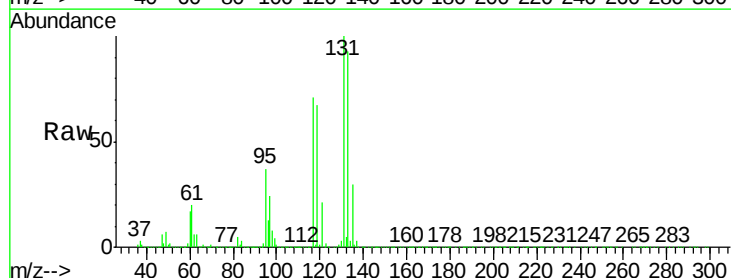
Manual Integrations
APPROVED

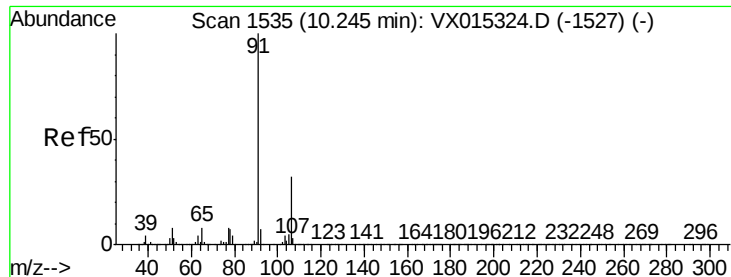
MMDadoda
3/19/2020 12:00:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 143.475 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion:131 Resp: 1111035
Ion Ratio Lower Upper
131 100
133 94.1 48.1 144.4
119 67.0 33.8 101.3





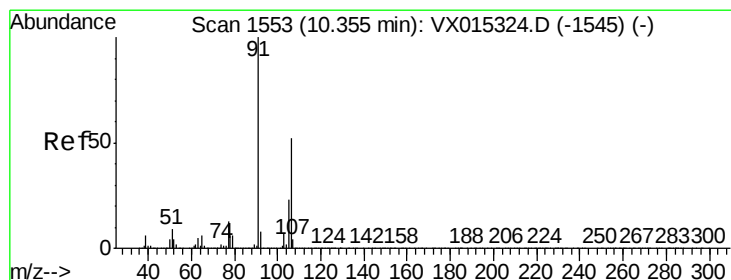
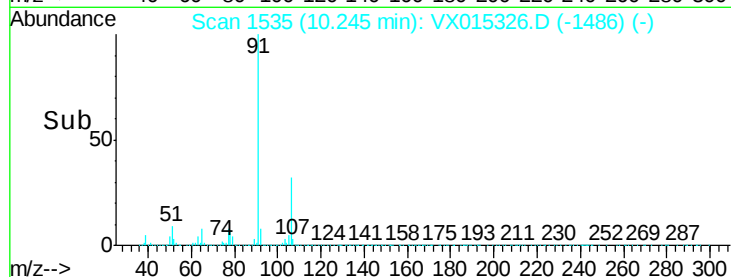
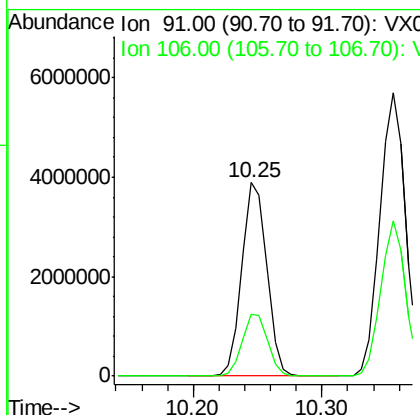
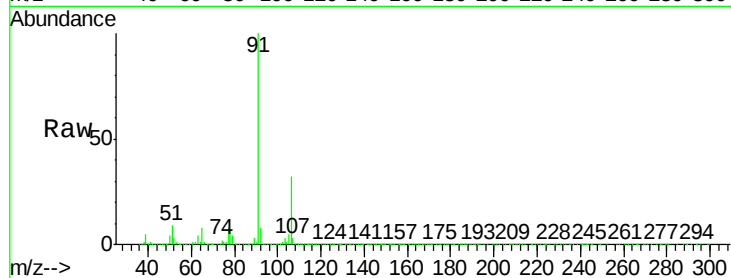
#67
Ethyl Benzene
Concen: 147.653 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5188055
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.6

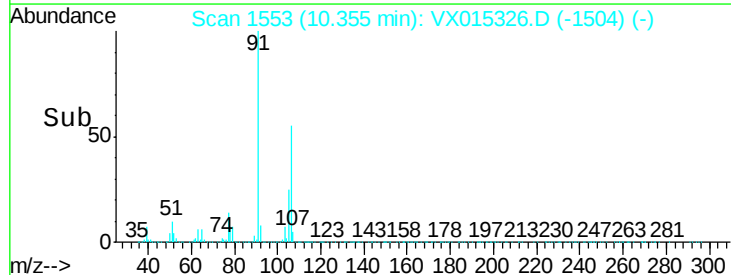
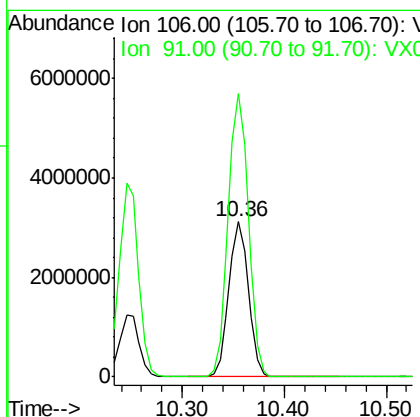
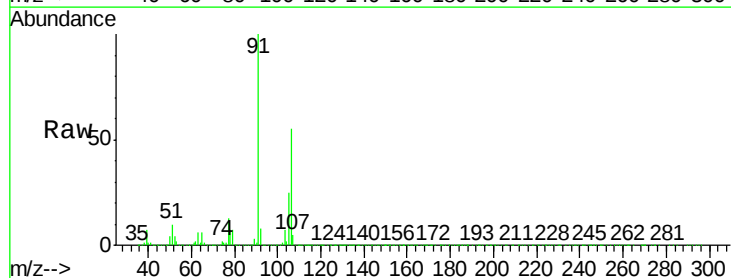
Manual Integrations
APPROVED

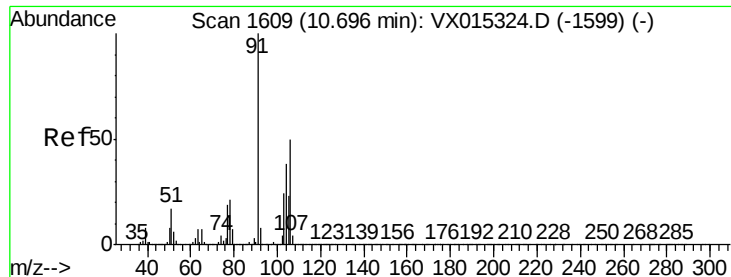
MMDadoda
3/19/2020 12:00:59 PM



#68
m/p-Xylenes
Concen: 309.153 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 106 Resp: 4142521
Ion Ratio Lower Upper
106 100
91 188.8 155.1 232.7





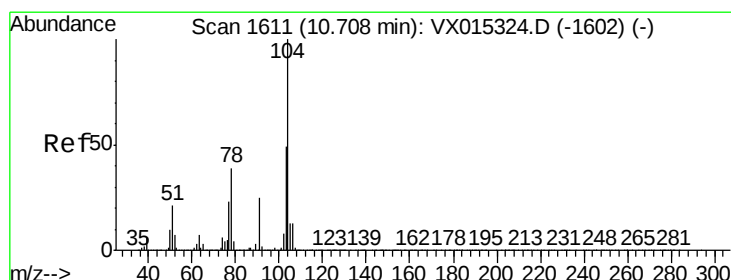
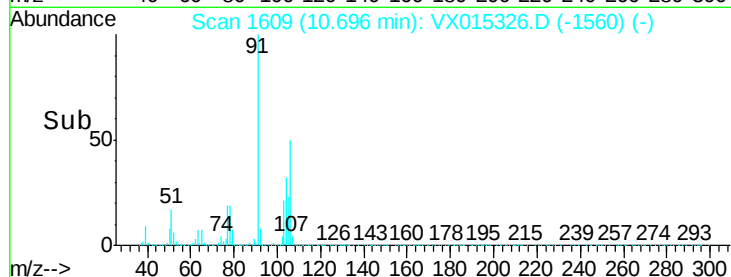
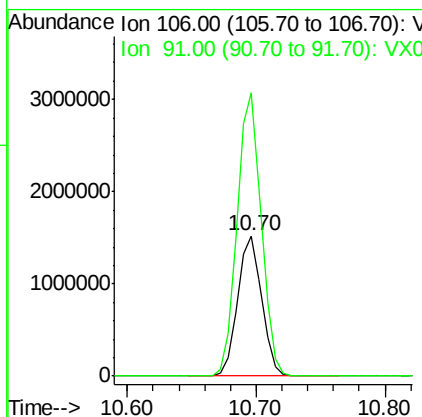
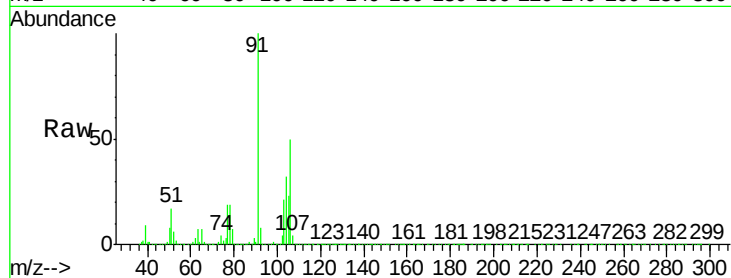
#69
o-Xylene
Concen: 152.915 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1962349
Ion Ratio Lower Upper
106 100
91 203.3 102.3 306.9

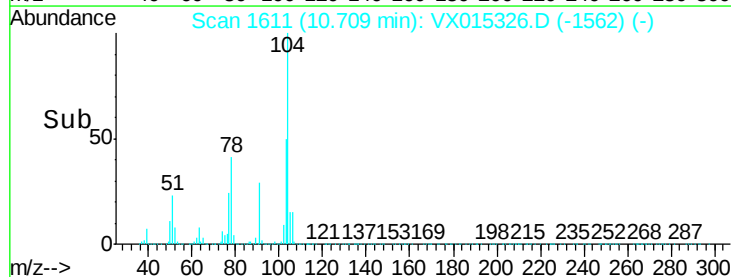
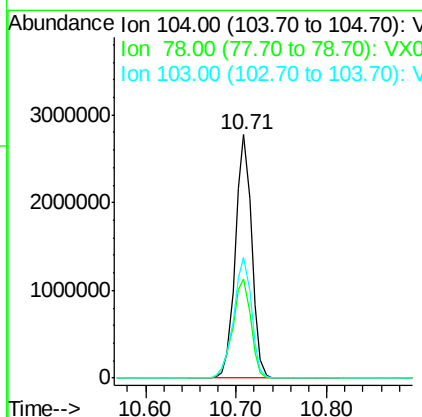
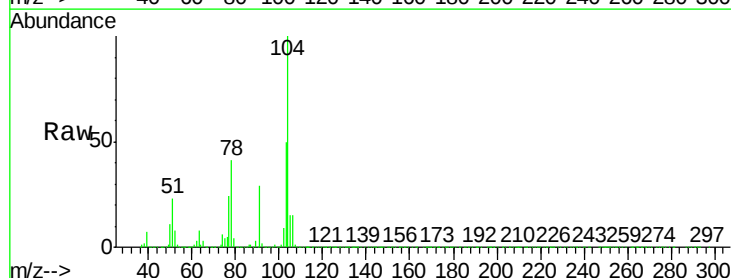
Manual Integrations
APPROVED

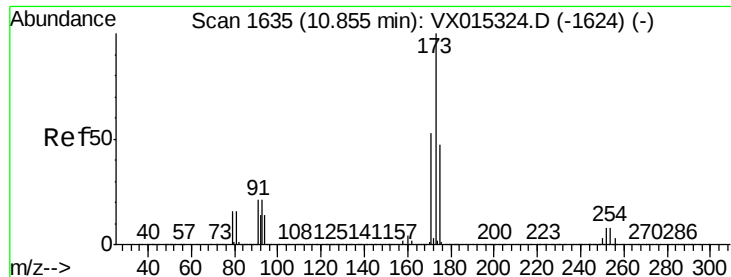
MMDadoda
3/19/2020 12:00:59 PM



#70
Styrene
Concen: 156.657 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion:104 Resp: 3446481
Ion Ratio Lower Upper
104 100
78 45.5 36.0 54.0
103 54.0 43.4 65.0





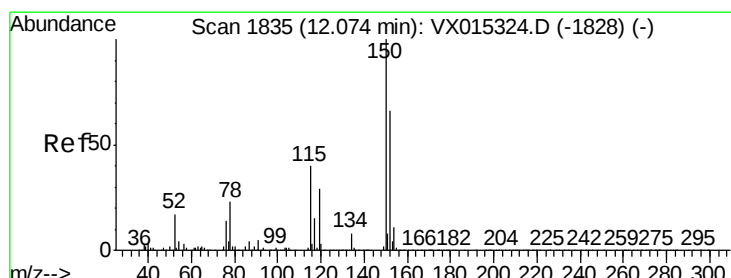
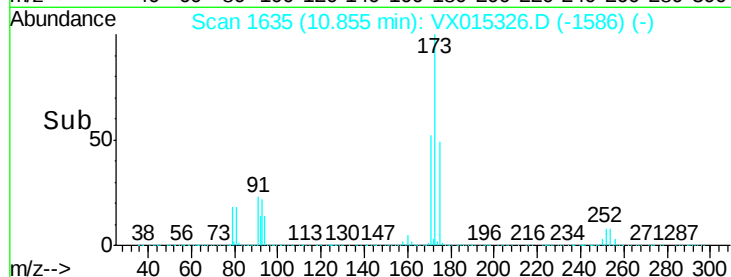
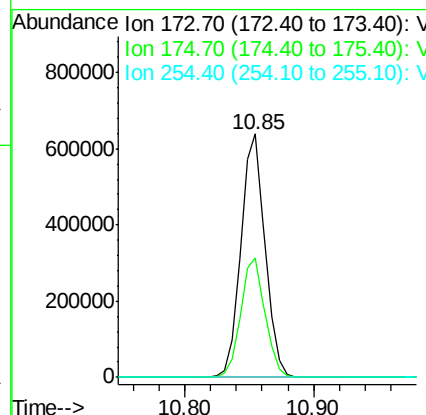
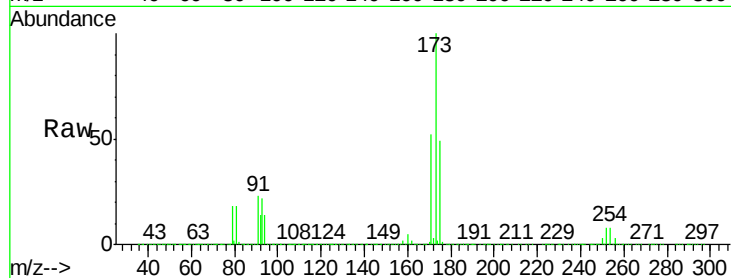
#71
Bromoform
Concen: 140.652 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.4	70.2
254	0.2	0.2	0.2

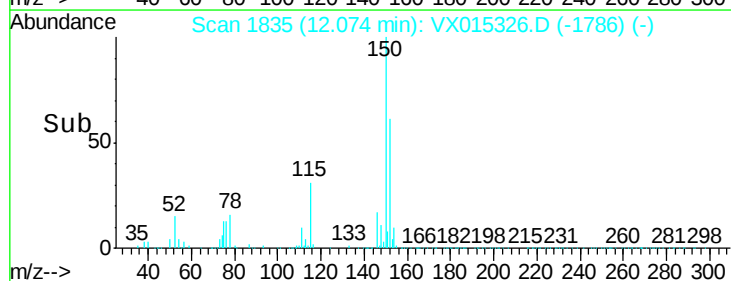
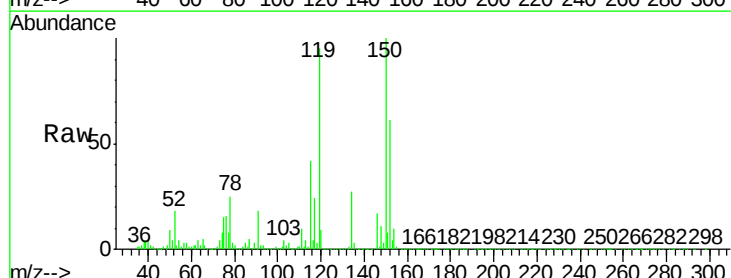
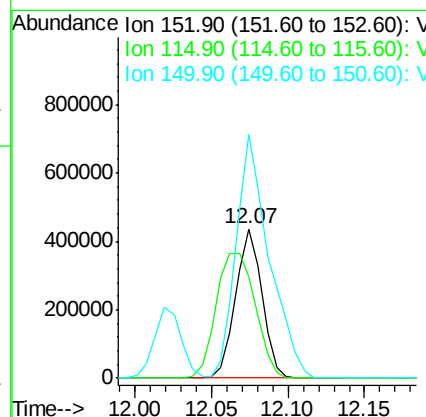
Manual Integrations
APPROVED

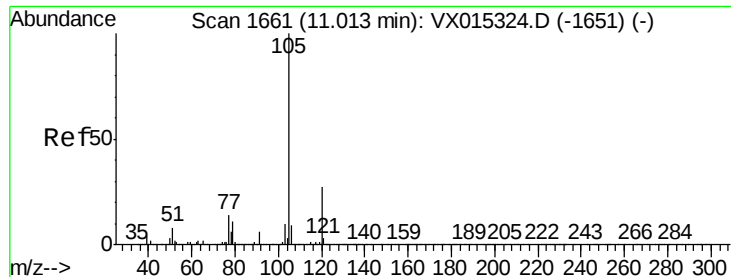
MMDadoda
3/19/2020 12:00:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	125.6	41.9	125.8
150	206.7	0.0	347.6





#73

Isopropylbenzene

Concen: 154.608 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 5230475

Ion Ratio Lower Upper

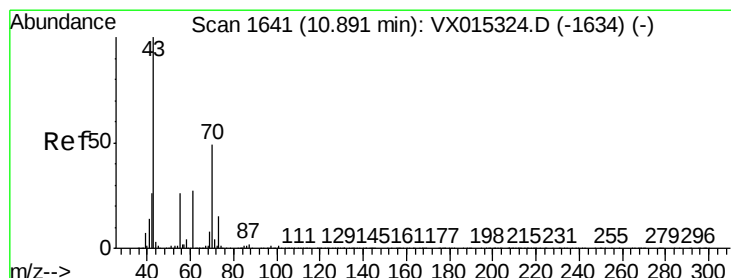
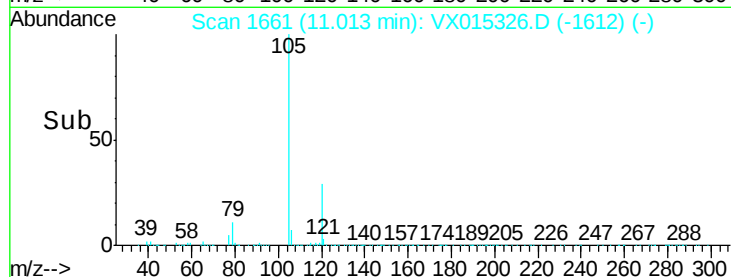
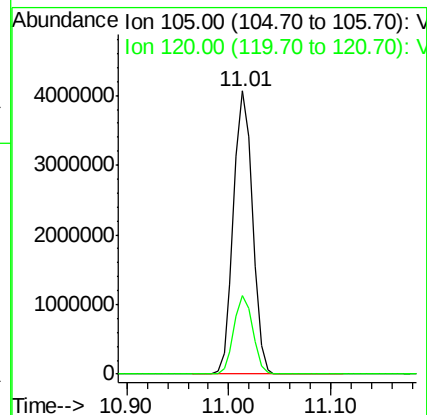
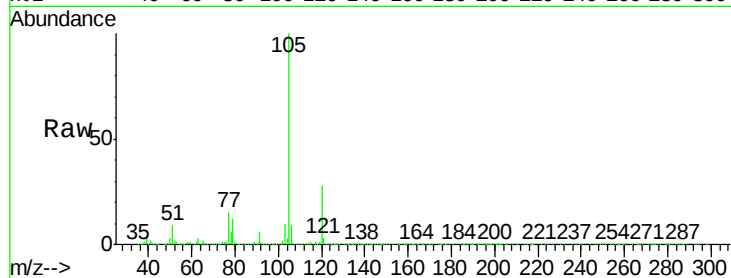
105 100

120 27.5 13.9 41.6

Manual Integrations
APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#74

N-ethyl acetate

Concen: 157.598 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Tgt Ion: 43 Resp: 2175821

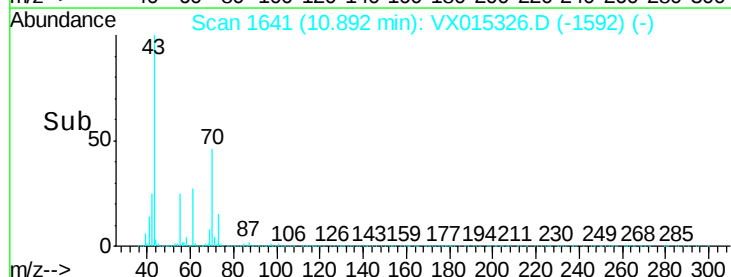
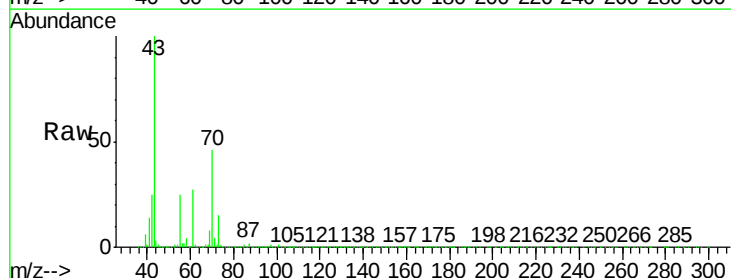
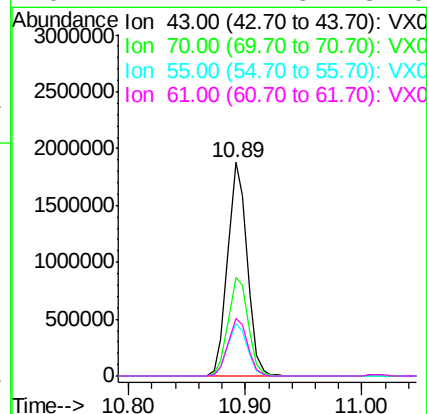
Ion Ratio Lower Upper

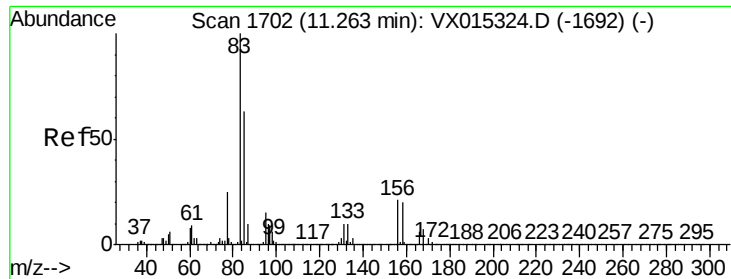
43 100

70 47.5 38.6 58.0

55 24.9 21.2 31.8

61 27.2 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 150.033 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1684300

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

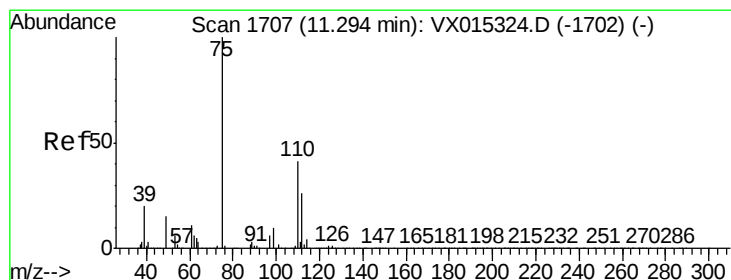
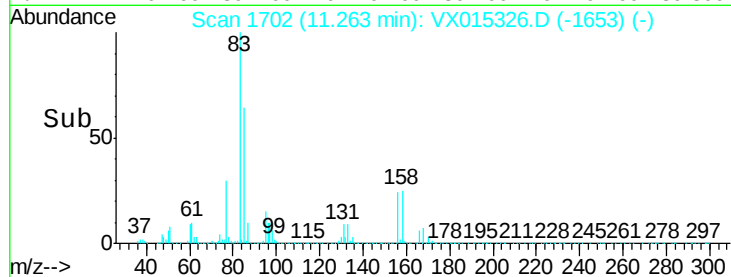
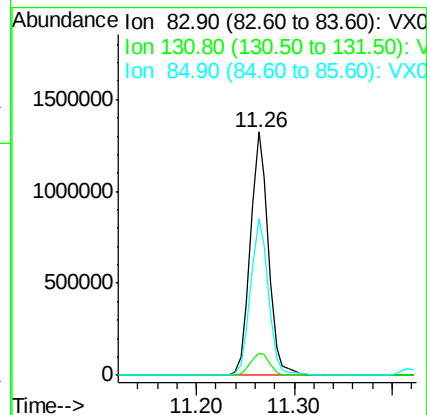
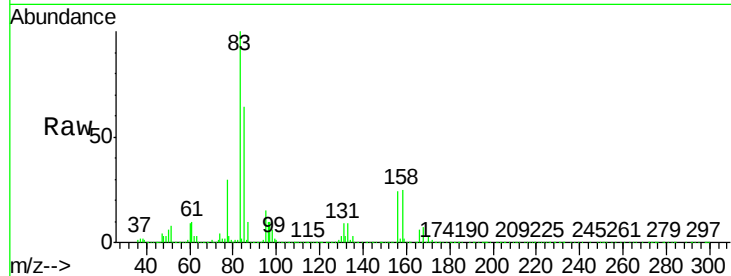
85 64.7 32.0 96.0

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:59 PM



#76

1,2,3-Trichloropropane

Concen: 153.423 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015326.D

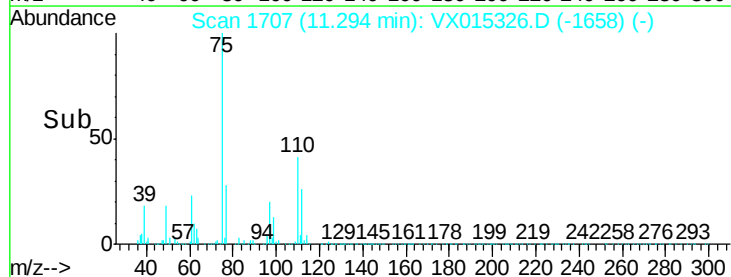
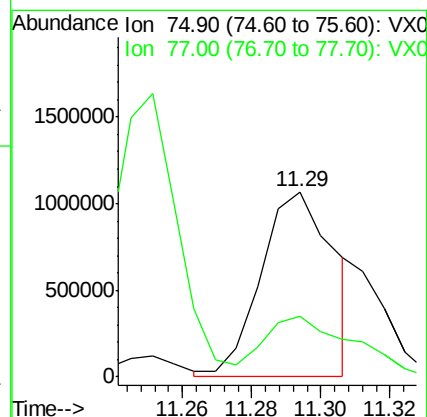
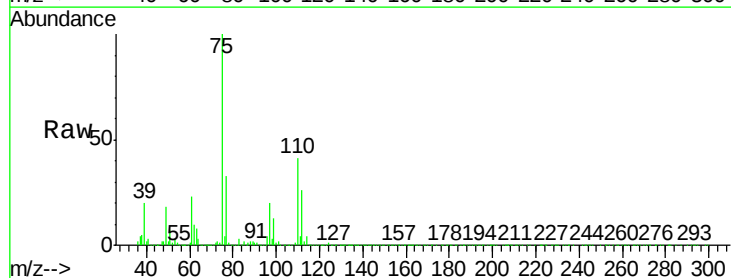
Acq: 18 Mar 2020 14:32

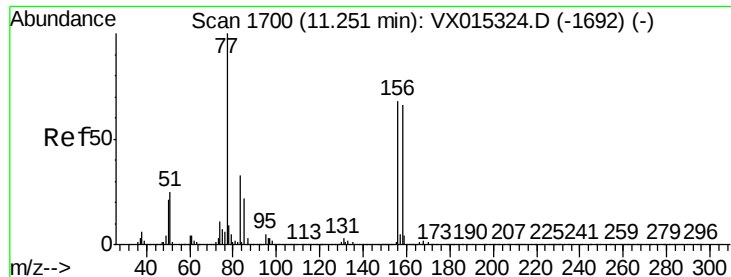
Tgt Ion: 75 Resp: 1561982

Ion Ratio Lower Upper

75 100

77 39.9 21.2 63.6





#77

Bromobenzene

Concen: 137.774 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1277968

Ion Ratio Lower Upper

156 100

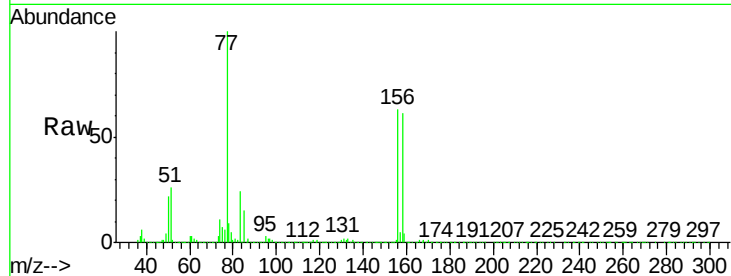
77 164.6 81.4 244.2

158 97.1 48.6 145.9

Manual Integrations
APPROVED

MMDadoda

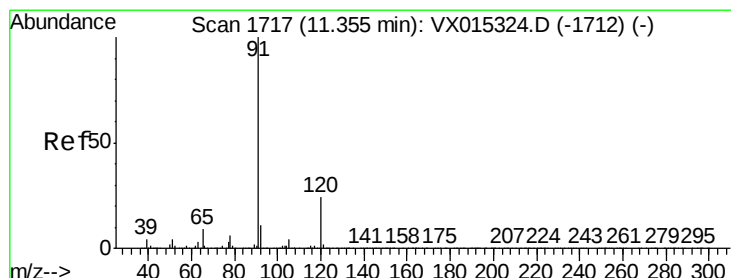
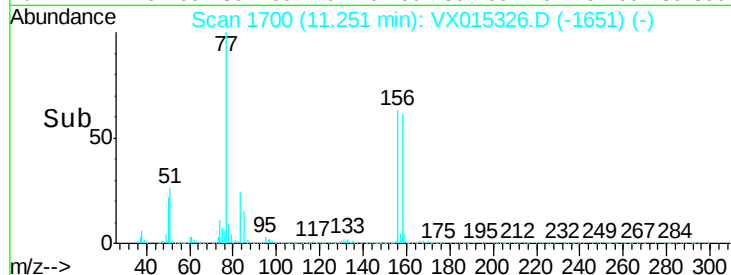
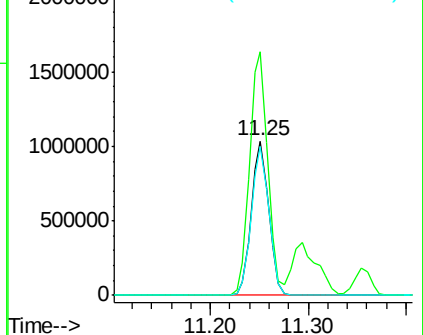
3/19/2020 12:00:59 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 153.418 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015326.D

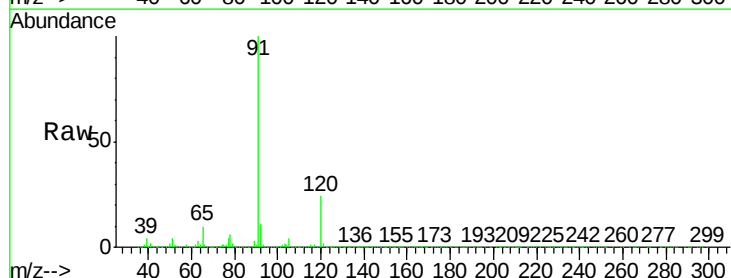
Acq: 18 Mar 2020 14:32

Tgt Ion: 91 Resp: 5885391

Ion Ratio Lower Upper

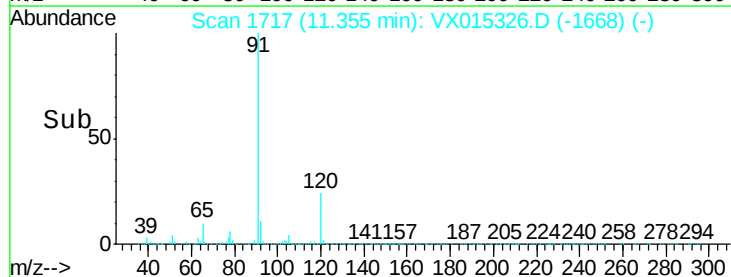
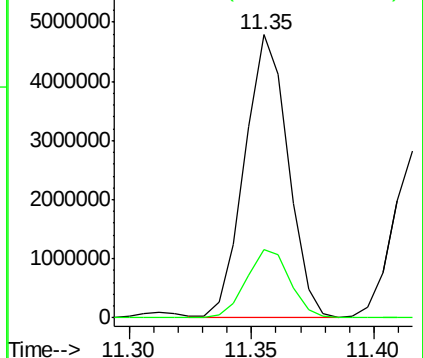
91 100

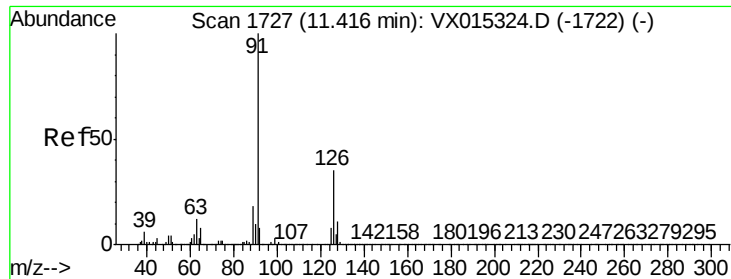
120 24.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





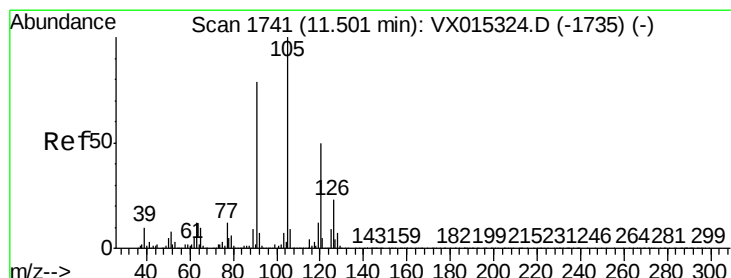
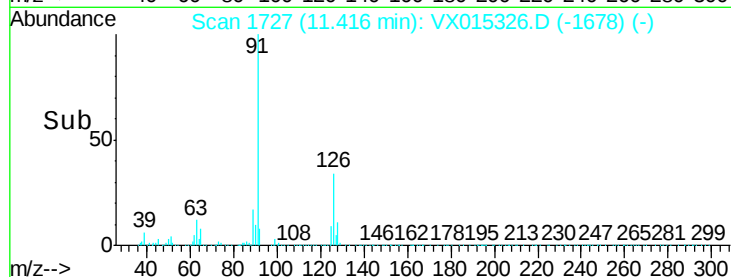
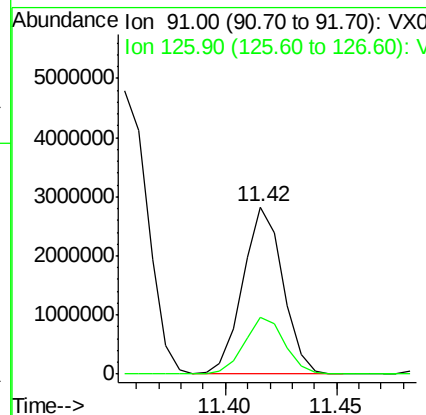
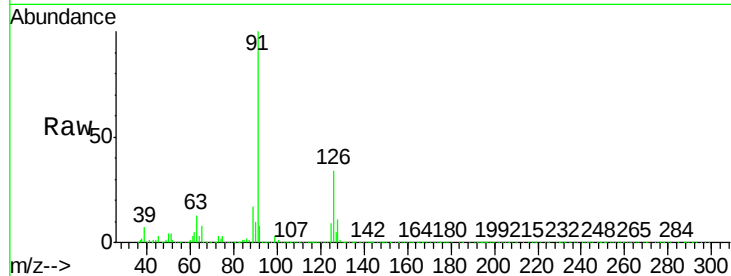
#79
2-Chlorotoluene
Concen: 153.895 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3537015
Ion Ratio Lower Upper
91 100
126 34.3 17.2 51.6

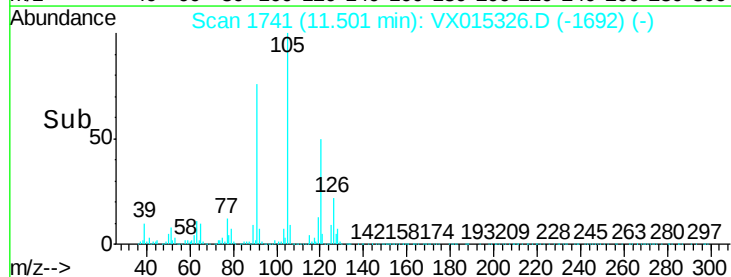
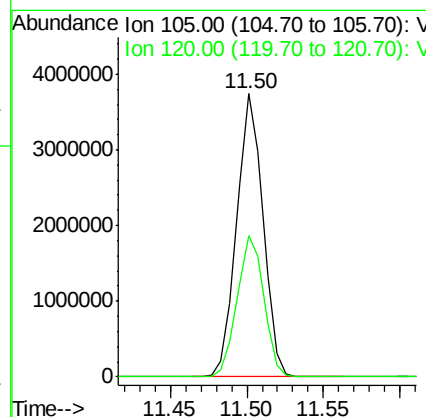
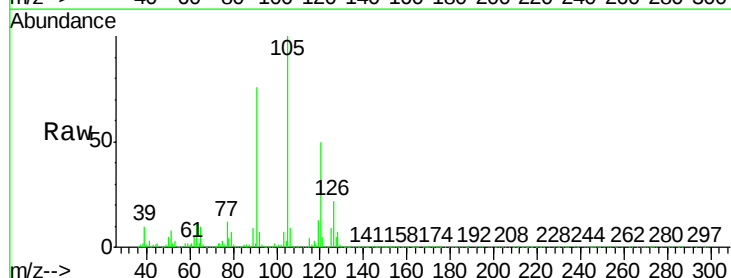
Manual Integrations
APPROVED

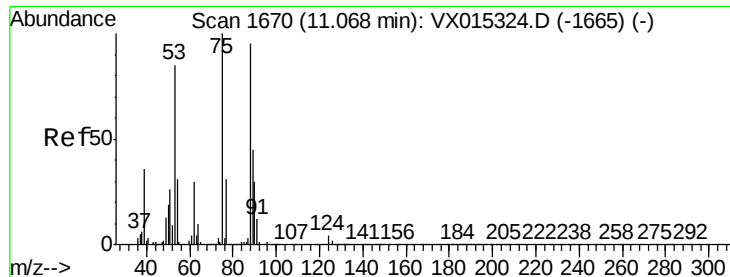
MMDadoda
3/19/2020 12:00:59 PM



#80
1,3,5-Trimethylbenzene
Concen: 159.142 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 105 Resp: 4455931
Ion Ratio Lower Upper
105 100
120 50.6 24.9 74.6





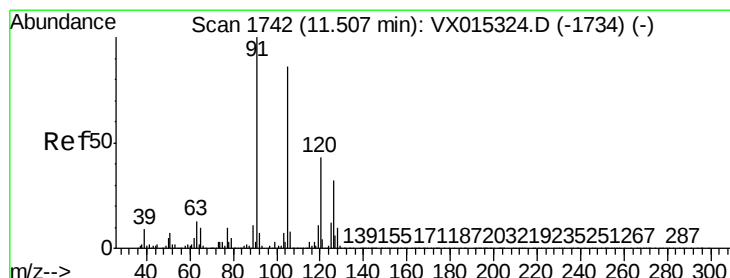
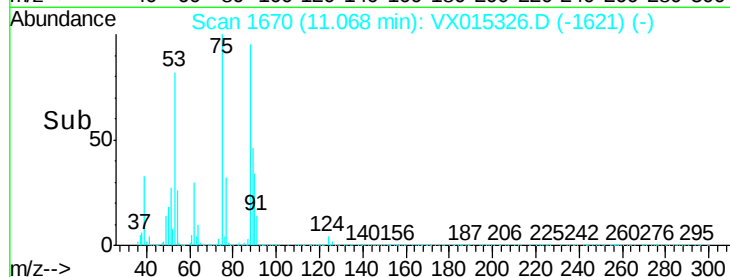
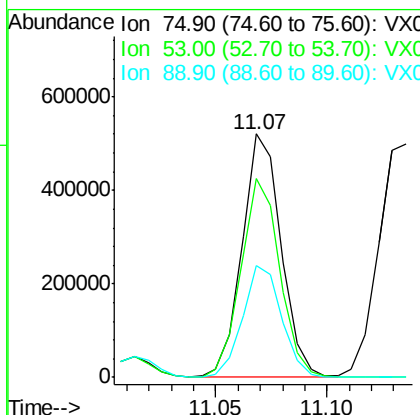
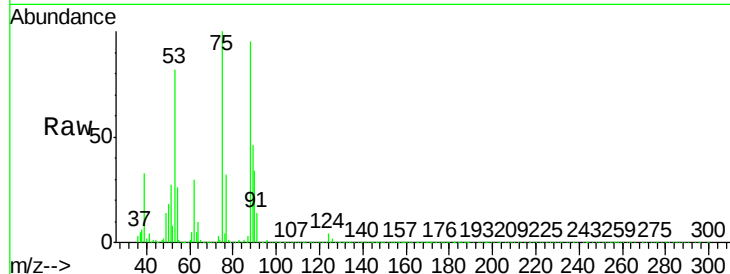
#81
trans-1,4-Dichloro-2-butene
Concen: 171.010 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.3	68.0	102.0
89	46.3	37.1	55.7

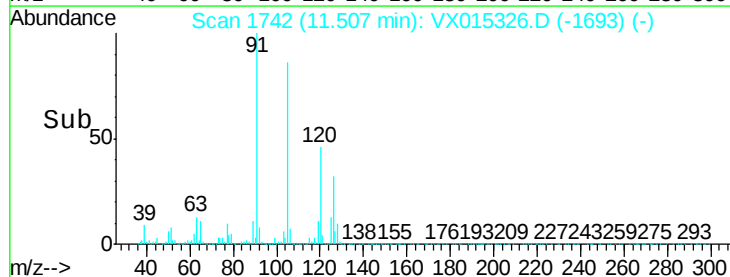
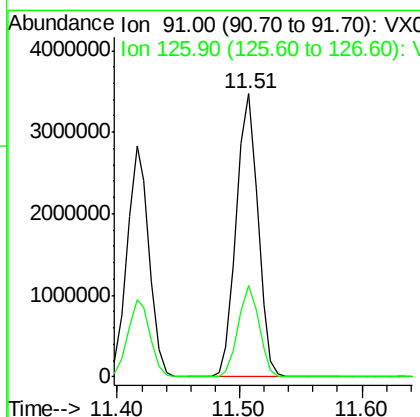
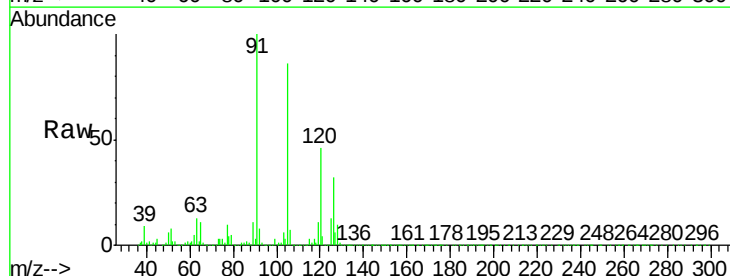
Manual Integrations
APPROVED

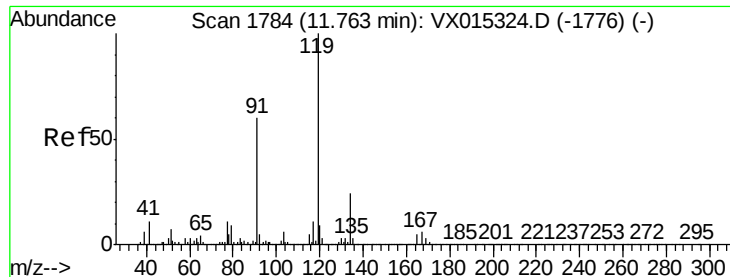
MMDadoda
3/19/2020 12:00:59 PM



#82
4-Chlorotoluene
Concen: 156.032 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.2





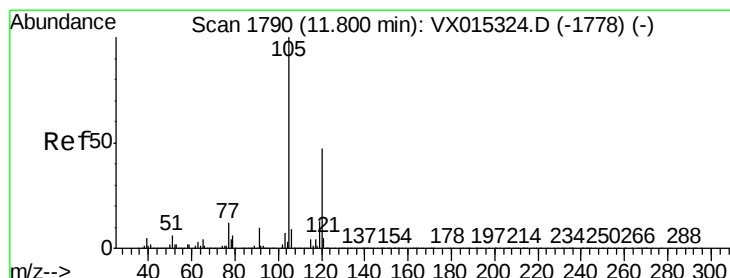
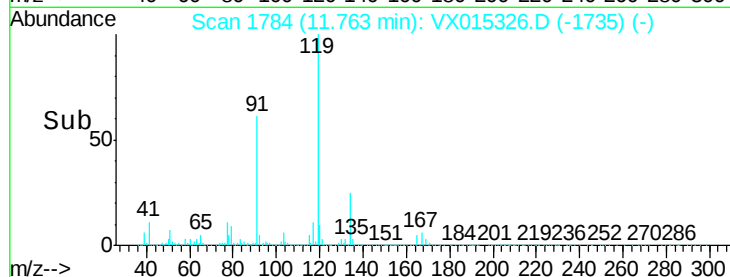
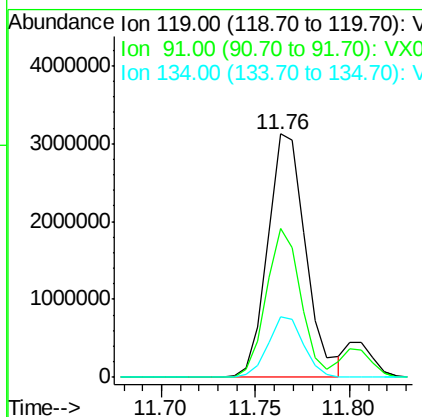
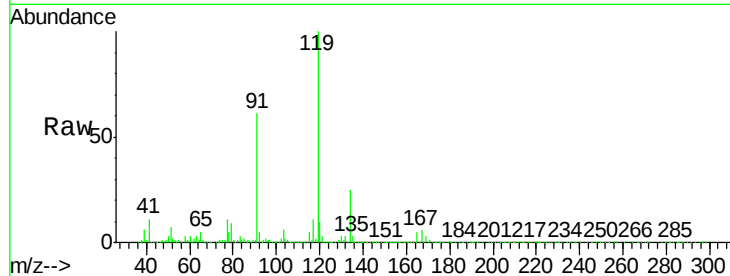
#83
tert-Butylbenzene
Concen: 160.906 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:119 Resp: 4366514
Ion Ratio Lower Upper
119 100
91 55.6 28.1 84.4
134 23.2 11.6 34.8

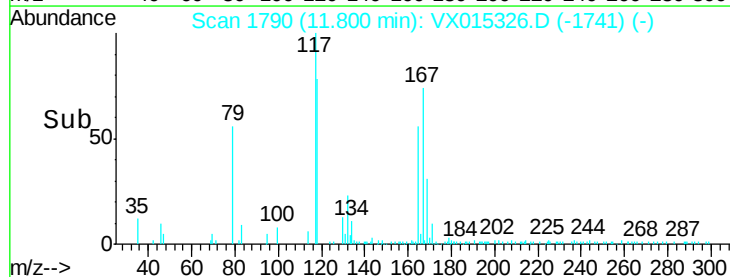
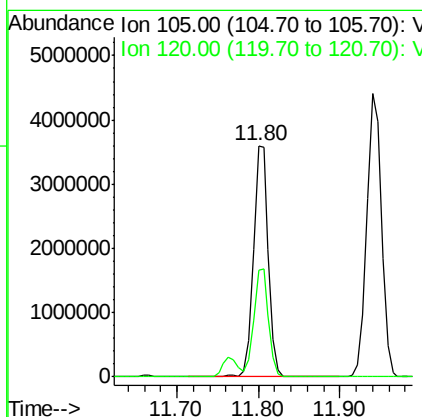
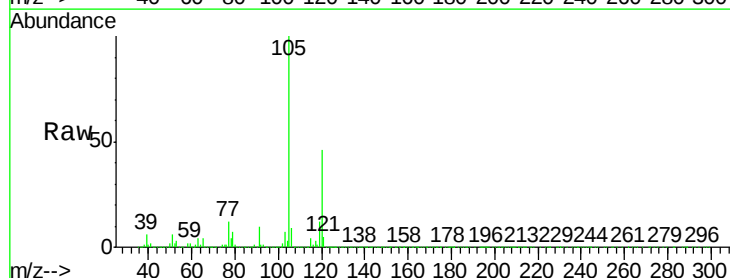
Manual Integrations
APPROVED

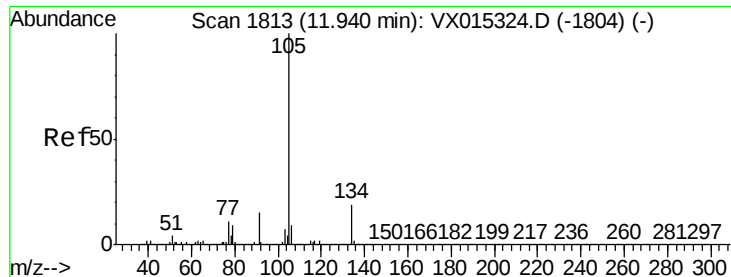
MMDadoda
3/19/2020 12:00:59 PM



#84
1,2,4-Trimethylbenzene
Concen: 162.470 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion:105 Resp: 4609176
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 163.178 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5390473

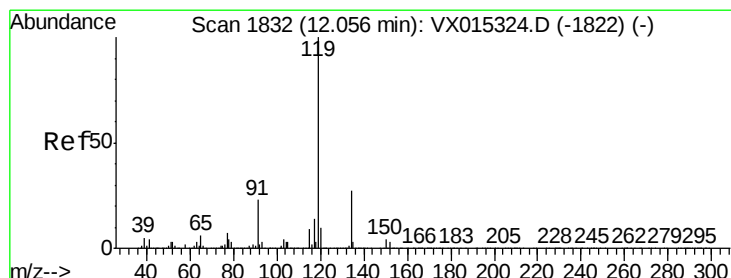
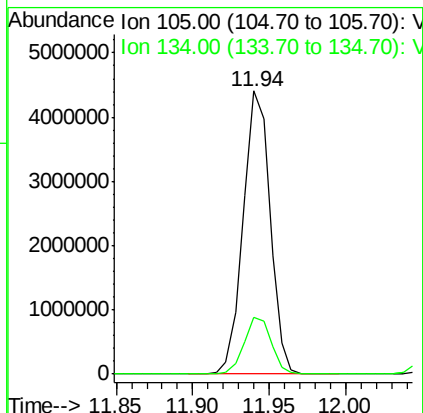
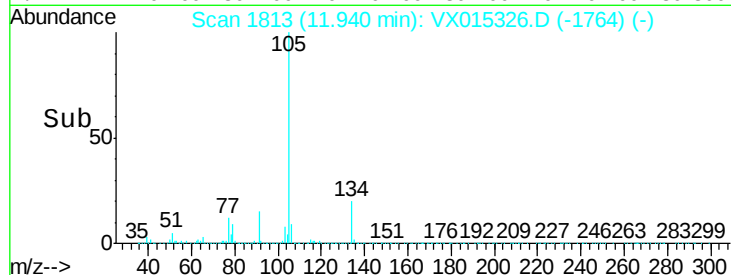
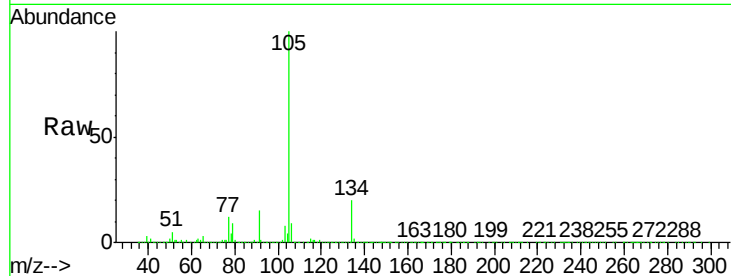
Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.5

Manual Integrations
APPROVED

MMDadoda
3/19/2020 12:00:59 PM



#86

p-Isopropyltoluene

Concen: 158.444 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

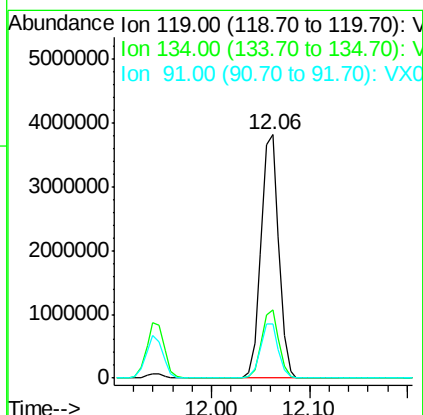
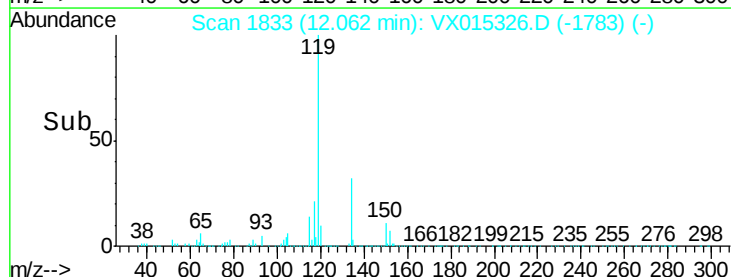
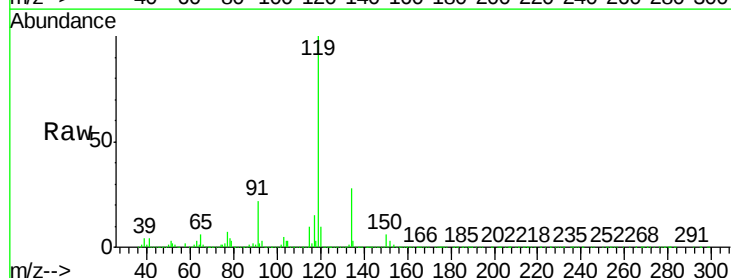
Tgt Ion:119 Resp: 4793682

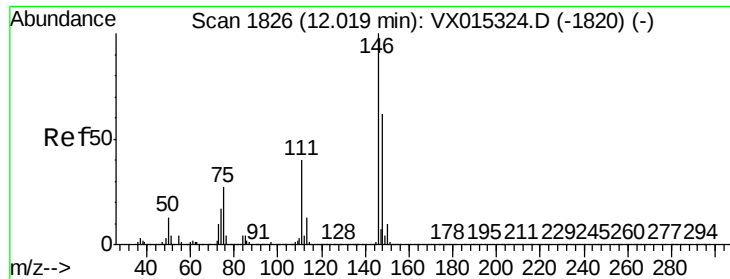
Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.6

91 22.2 11.0 33.0





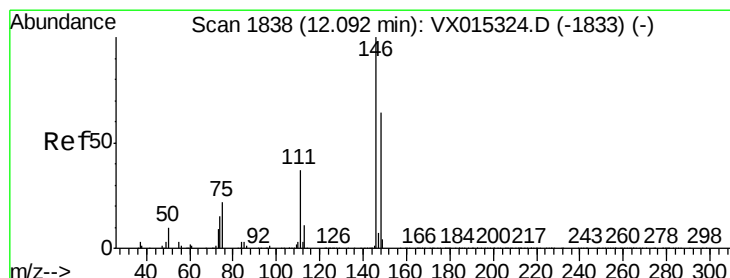
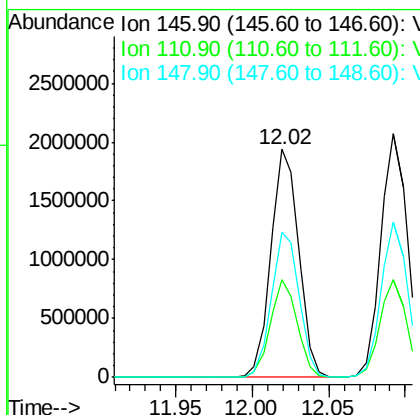
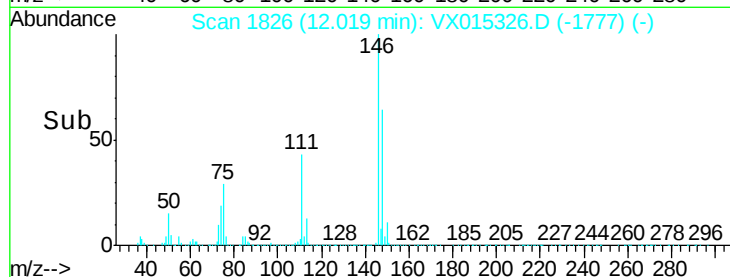
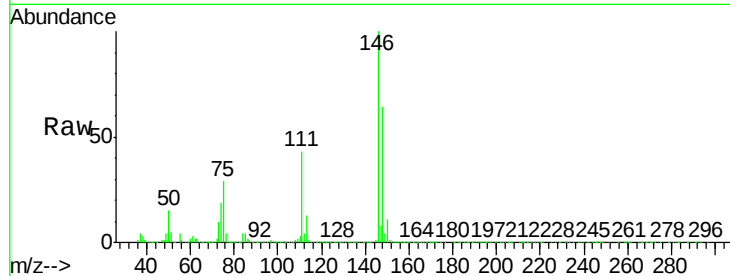
#87
 1,3-Dichlorobenzene
 Concen: 148.948 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2453585
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 61.0
 148 63.7 31.4 94.3

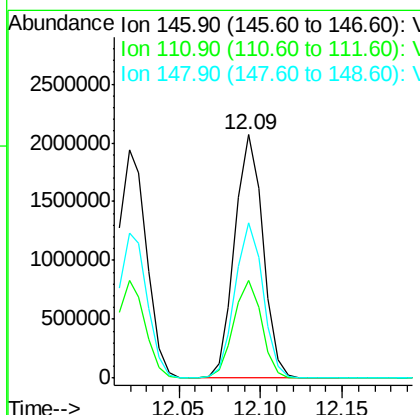
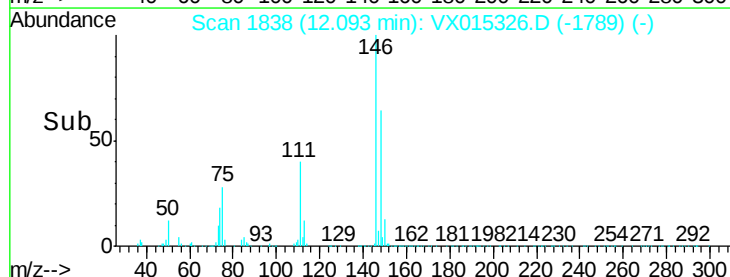
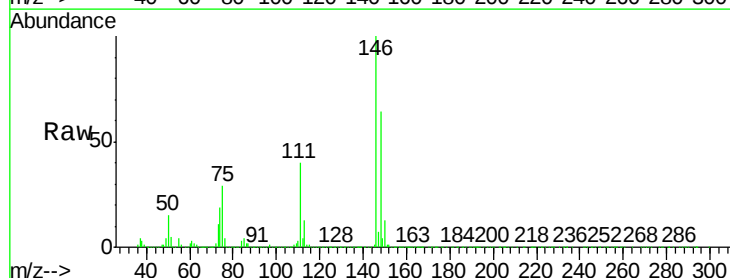
Manual Integrations
 APPROVED

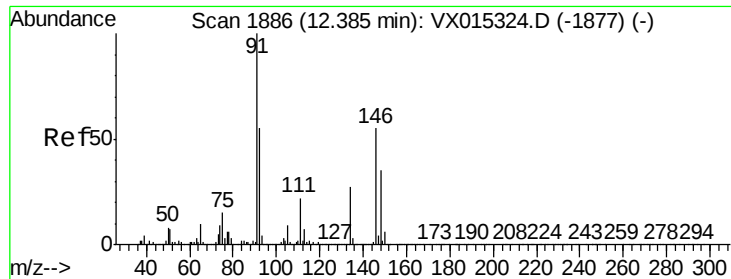
MMDadoda
 3/19/2020 12:00:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 146.988 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion:146 Resp: 2493363
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.1
 148 63.3 32.0 96.0





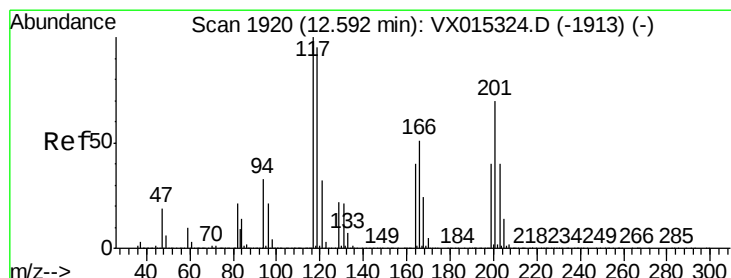
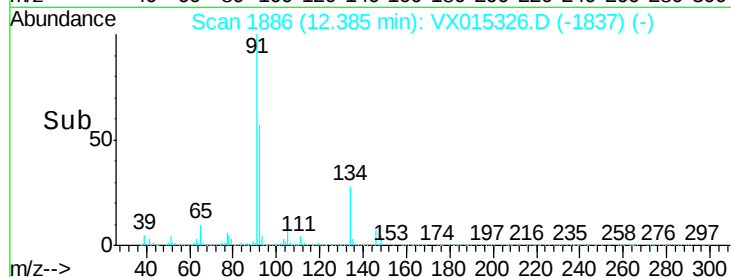
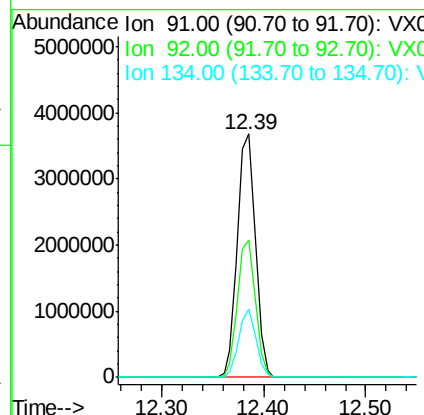
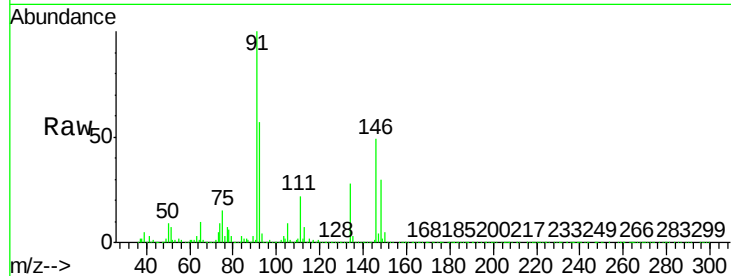
#89
n-Butylbenzene
Concen: 165.943 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 91 Resp: 4479421
Ion Ratio Lower Upper
91 100
92 56.1 27.5 82.4
134 26.5 13.2 39.6

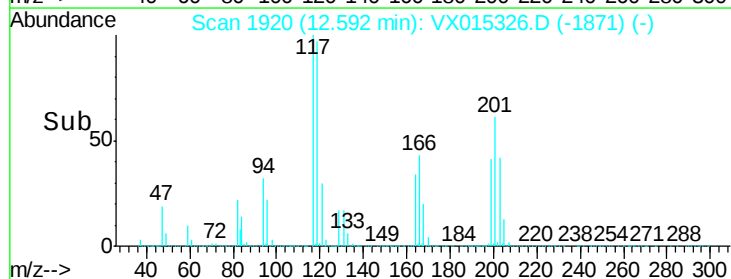
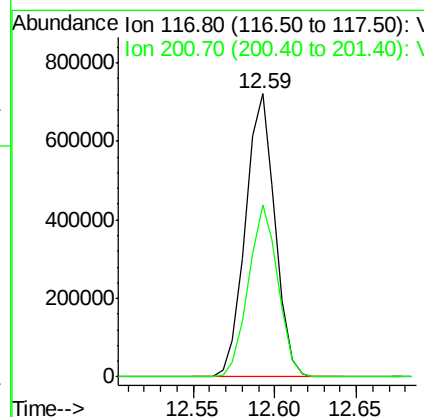
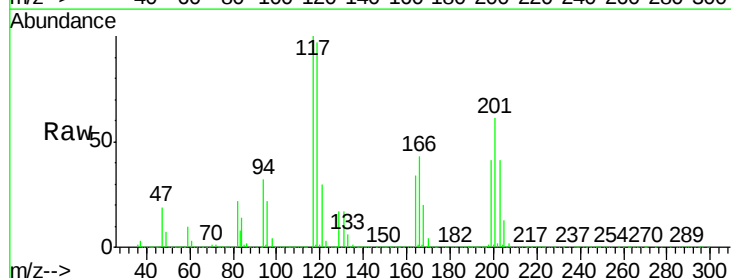
Manual Integrations
APPROVED

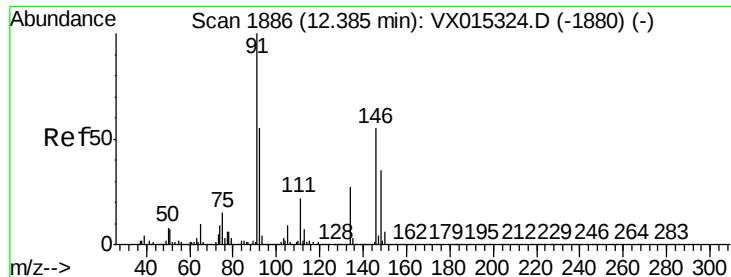
MMDadoda
3/19/2020 12:00:59 PM



#90
Hexachloroethane
Concen: 158.988 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015326.D
Acq: 18 Mar 2020 14:32

Tgt Ion: 117 Resp: 909392
Ion Ratio Lower Upper
117 100
201 60.9 32.7 98.1





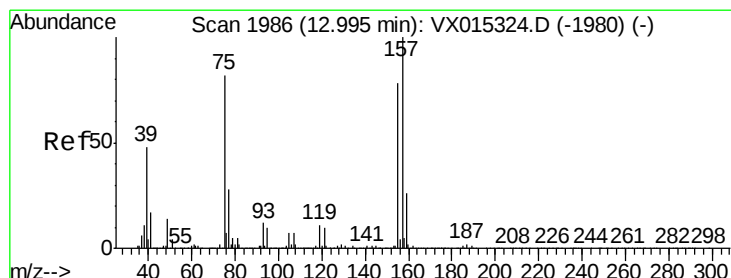
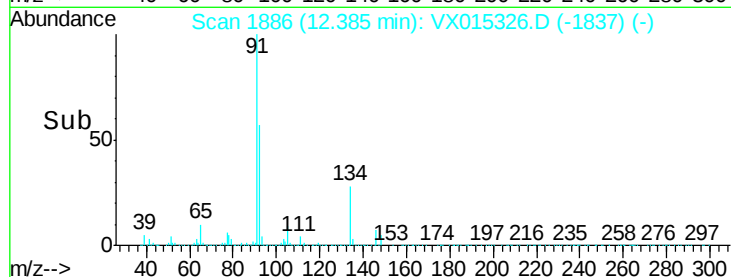
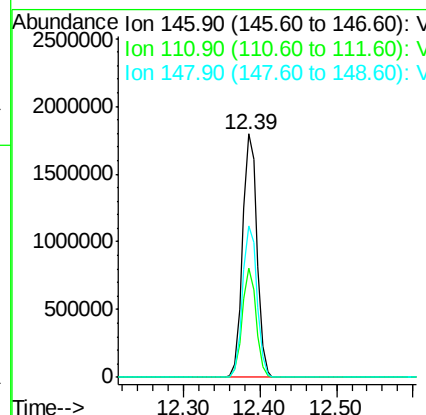
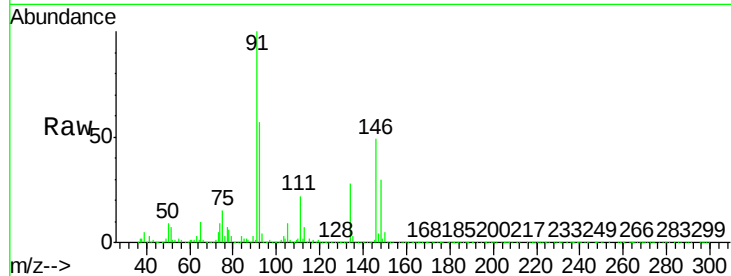
#91
 1,2-Dichlorobenzene
 Concen: 141.389 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.6	61.8
148	62.6	31.6	94.8

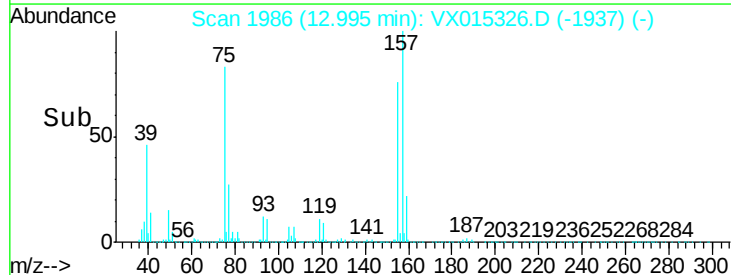
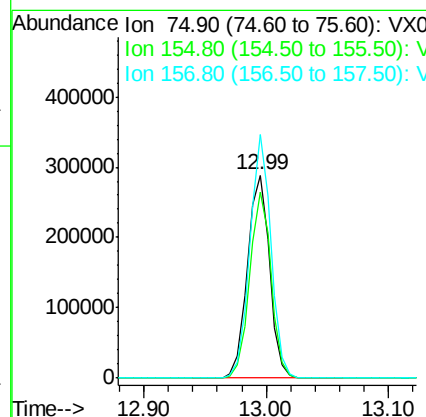
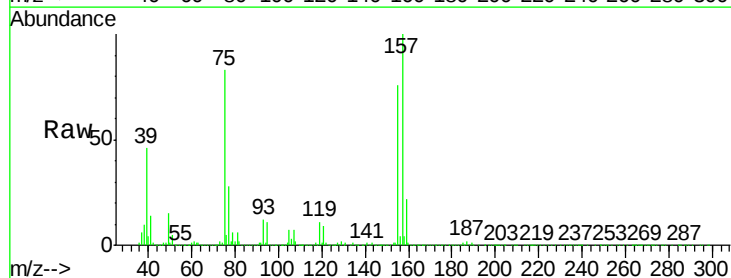
Manual Integrations
 APPROVED

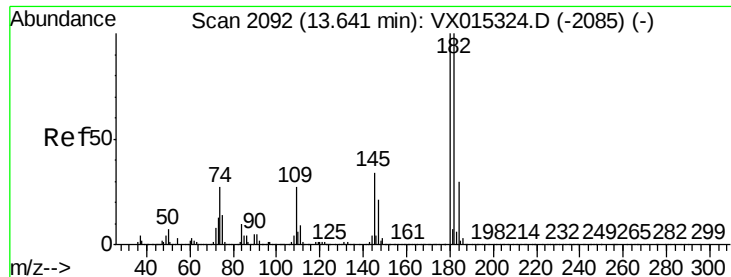
MMDadoda
 3/19/2020 12:00:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 161.624 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	48.9	146.7
157	114.8	61.1	183.3





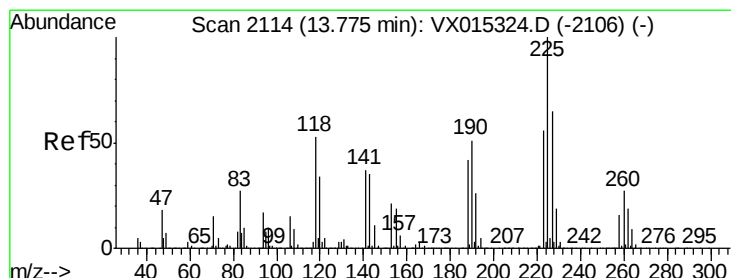
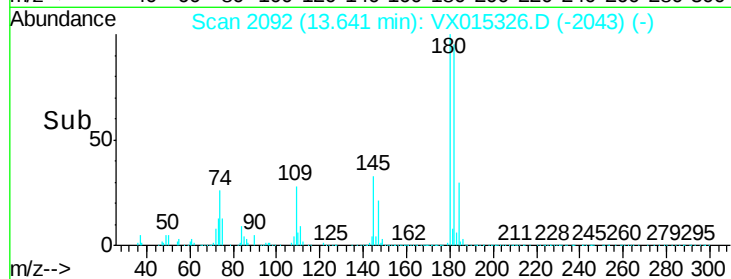
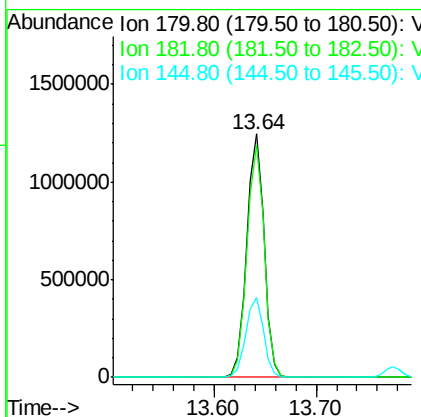
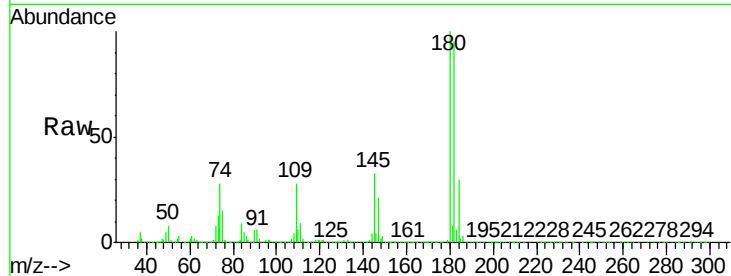
#93
 1,2,4-Trichlorobenzene
 Concen: 133.186 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.9
145	33.3	16.7	50.1

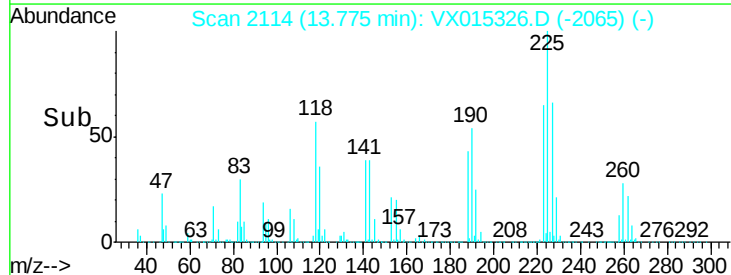
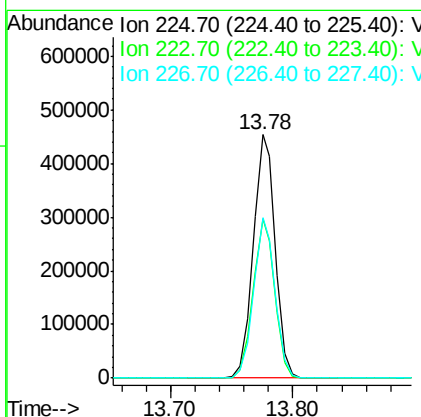
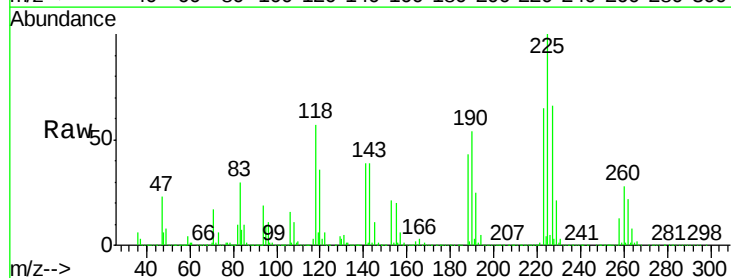
Manual Integrations
 APPROVED

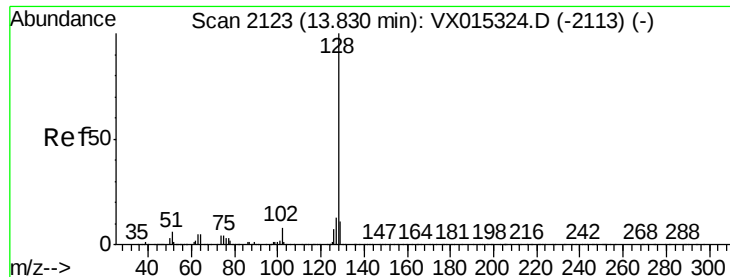
MMDadoda
 3/19/2020 12:00:59 PM



#94
 Hexachlorobutadiene
 Concen: 103.188 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015326.D
 Acq: 18 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.6	91.6
227	64.4	32.3	96.8





#95

Naphthalene

Concen: 166.072 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 5217769

Ion Ratio Lower Upper

128 100

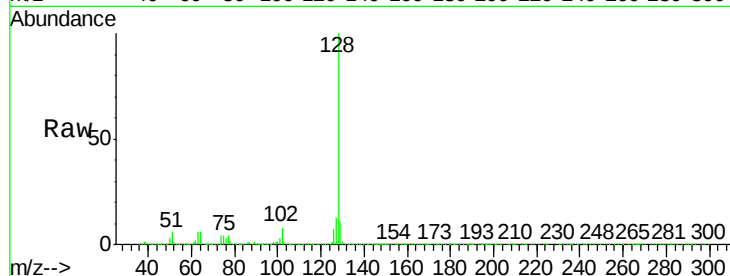
127 13.0 10.2 15.4

129 11.2 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

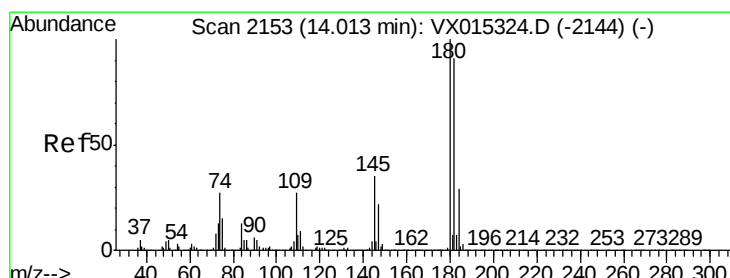
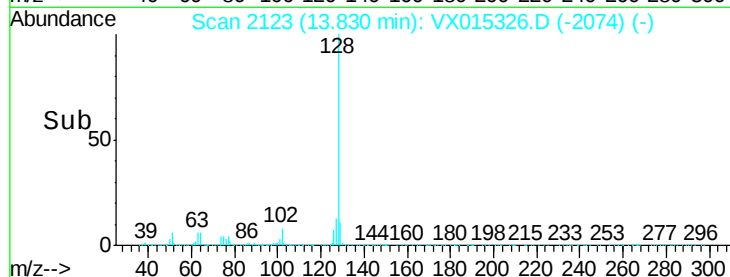
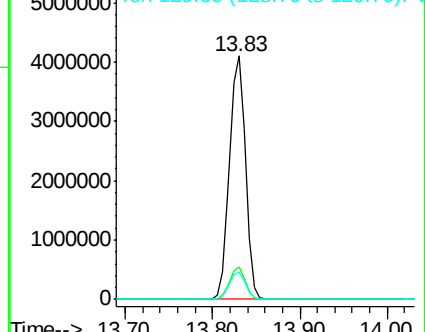
3/19/2020 12:00:59 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 132.589 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX015326.D

Acq: 18 Mar 2020 14:32

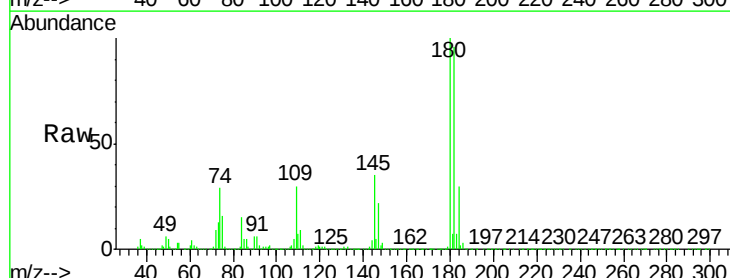
Tgt Ion:180 Resp: 1460592

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.0

145 34.5 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

