

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015991.D
 Acq On : 30 Apr 2020 12:02
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:16 PM

Quant Time: Apr 30 12:46:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	50627	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	278704	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	264040	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	113293	28.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.67%
60) 4-Bromofluorobenzene	11.12	95	136886	30.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.07%
63) Toluene-d8	8.70	98	332988	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	546046	182.725	ug/l 99
3) Chloromethane	1.31	50	516003	158.088	ug/l 100
4) Vinyl Chloride	1.39	62	571860	171.783	ug/l 99
5) Bromomethane	1.62	94	287225	153.385	ug/l 99
6) Chloroethane	1.70	64	378956	179.474	ug/l 98
7) Trichlorofluoromethane	1.90	101	827224	174.625	ug/l 99
8) Diethyl Ether	2.17	74	331735	181.447	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	419383	150.936	ug/l 99
10) 1,1-Dichloroethene	2.35	96	431852	153.426	ug/l 98
11) Methyl Iodide	2.49	142	649671	173.811	ug/l 98
12) Methyl Acetate	2.75	43	783738	174.566	ug/l 100
13) Acrolein	2.28	56	322165	683.502	ug/l 99
14) Acrylonitrile	3.12	53	1444289	816.123	ug/l 100
15) Acetone	2.42	58	375410	824.882	ug/l 98
16) Carbon Disulfide	2.54	76	1298674	155.567	ug/l 98
17) Allyl chloride	2.70	41	804523	136.037	ug/l 95
18) Methylene Chloride	2.83	84	483561	153.520	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	479514	157.230	ug/l 98
20) Diisopropyl ether	3.83	45	1570421	145.576	ug/l 97
21) 1,1-Dichloroethane	3.67	63	862828	150.803	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	542770	155.638	ug/l 98
23) tert-Butyl Alcohol	3.04	59	709703	818.570	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	1580138	153.982	ug/l 97
25) Chloroform	5.18	83	876322	153.116	ug/l 96
26) Cyclohexane	5.55	56	786873	145.346	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	671090	157.903	ug/l 99
30) 2-Butanone	4.64	43	2029234	801.584	ug/l 98
31) 2,2-Dichloropropane	4.55	77	783214	153.245	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	806676	156.220	ug/l 99
33) Carbon Tetrachloride	5.76	117	716177	153.050	ug/l 100
34) Benzene	6.12	78	1945324	158.176	ug/l 99
35) Methacrylonitrile	5.01	41	435888	155.492	ug/l 98
36) 1,2-Dichloroethane	6.17	62	732917	155.990	ug/l 100
37) Trichloroethene	7.19	130	632408	163.097	ug/l 99
38) Methylcyclohexane	7.44	83	814516	157.005	ug/l 99
39) 1,2-Dichloropropane	7.49	63	496819	153.175	ug/l 97
40) Dibromomethane	7.64	93	347247	157.725	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015991.D
 Acq On : 30 Apr 2020 12:02
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:16 PM

Quant Time: Apr 30 12:46:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	732265	157.076	ug/l	99
42) Vinyl Acetate	3.79	43	6630753	739.424	ug/l	99
43) Ethyl Acetate	4.80	43	794188	145.597	ug/l	100
44) Isopropyl Acetate	6.42	43	1297370	151.558	ug/l	99
45) 1,4-Dioxane	7.72	88	277412	3357.999	ug/l	98
46) Methyl methacrylate	7.75	41	628925	150.193	ug/l	96
47) n-amyl Acetate	10.88	43	1176490	158.143	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	866527	160.764	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	880080	157.978	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	505522	162.021	ug/l	99
51) Ethyl methacrylate	9.17	69	870273	165.169	ug/l	95
52) 1,3-Dichloropropane	9.35	76	851848	157.884	ug/l	100
53) Dibromochloromethane	9.57	129	599784	160.427	ug/l	100
54) 1,2-Dibromoethane	9.66	107	556962	164.666	ug/l	100
55) 2-Chloroethyl vinyl ether	8.30	63	2190337	850.594	ug/l	99
56) Bromoform	10.84	173	474479	159.594	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	4011749	798.766	ug/l	97
59) 2-Hexanone	9.48	43	3128296	813.142	ug/l	97
61) Tetrachloroethene	9.32	164	744311	180.587	ug/l	98
62) Toluene	8.77	91	2095437	155.054	ug/l	98
64) Chlorobenzene	10.12	112	1361005	156.669	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	530413	153.413	ug/l	98
66) Ethyl Benzene	10.24	91	2446837	159.115	ug/l	100
67) m/p-Xylenes	10.35	106	1885918	322.193	ug/l	96
68) o-Xylene	10.68	106	921408	162.334	ug/l	97
69) Styrene	10.70	104	1618383	164.937	ug/l	100
70) Isopropylbenzene	11.01	105	2450887	161.716	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	598339	149.316	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	724037m	157.040	ug/l	
73) Bromobenzene	11.24	156	624944	156.397	ug/l	99
74) n-propylbenzene	11.35	91	2823920	161.949	ug/l	99
75) 2-Chlorotoluene	11.41	91	1667340	159.095	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	2123235	164.300	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	338454	171.157	ug/l	96
78) 4-Chlorotoluene	11.49	91	2010390	164.676	ug/l	100
79) tert-butylbenzene	11.76	119	1808581	148.094	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	2098270	161.201	ug/l	99
81) sec-Butylbenzene	11.93	105	2438155	164.008	ug/l	100
82) p-Isopropyltoluene	12.05	119	2247237	161.089	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	1127401	157.054	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	1124514	157.460	ug/l	100
85) n-Butylbenzene	12.37	91	2092987	167.644	ug/l	100
86) Hexachloroethane	12.58	117	419105	161.349	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	1081439	154.947	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	201765	162.340	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	799852	145.946	ug/l	99
90) Hexachlorobutadiene	13.77	225	350032	127.015	ug/l	97
91) Naphthalene	13.82	128	2578040	159.225	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	784308	146.435	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
Data File : VX015991.D
Acq On : 30 Apr 2020 12:02
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM

Quant Time: Apr 30 12:46:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:23:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

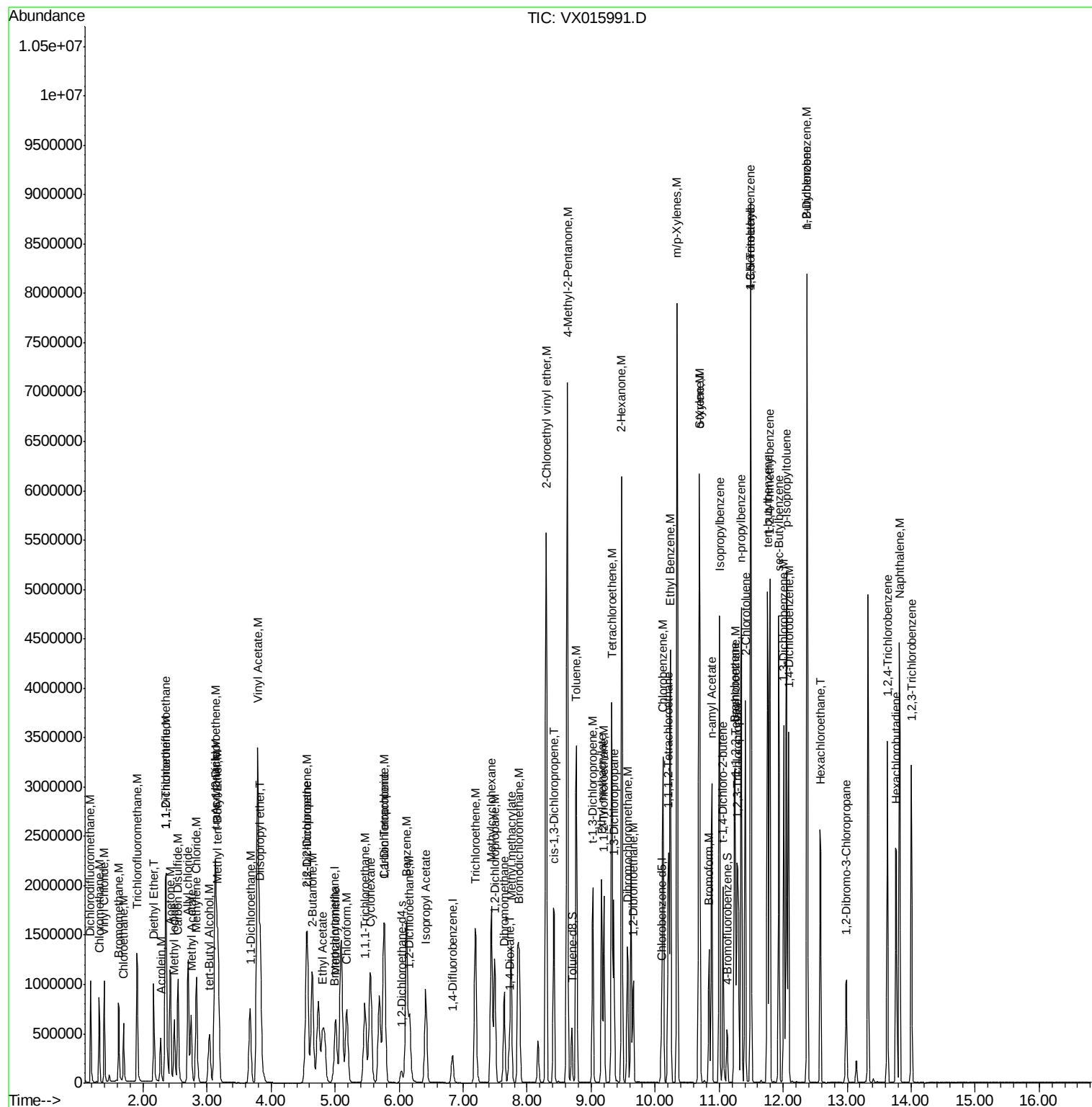
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015991.D
 Acq On : 30 Apr 2020 12:02
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

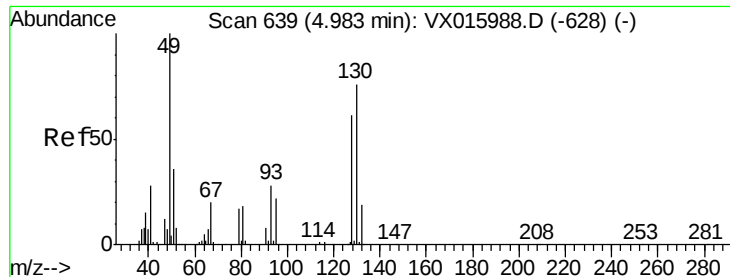
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:16 PM

Quant Time: Apr 30 12:46:54 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

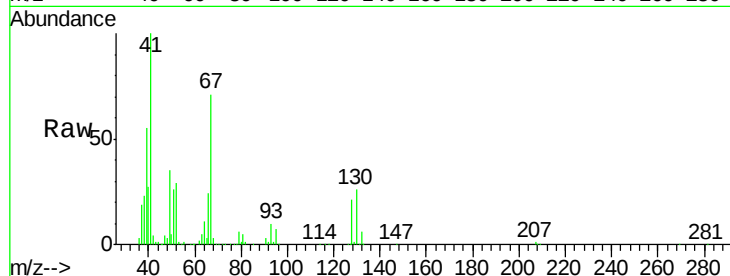
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	50627
Ion	Ratio	Lower	Upper
128	100		
49	170.5	0.0	418.5
130	125.8	0.0	326.3

Manual Integrations
APPROVED

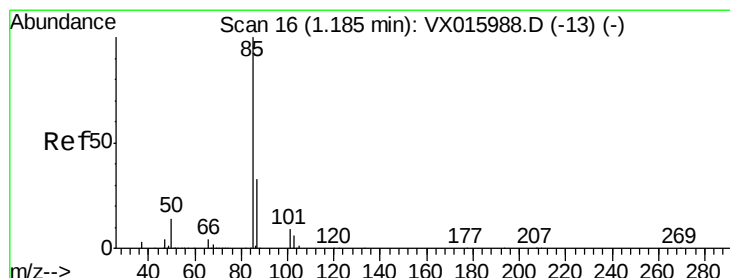
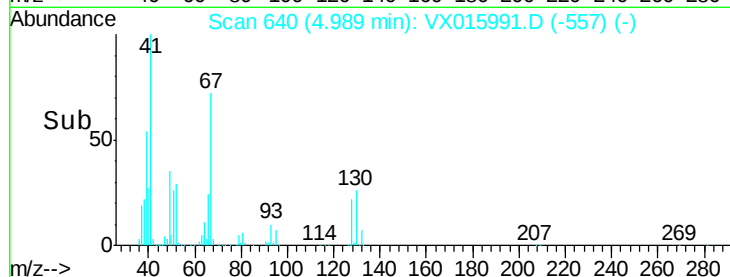
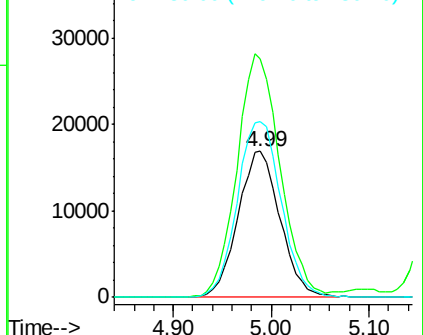
MMDadoda
5/4/2020 3:10:16 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 182.725 ug/l

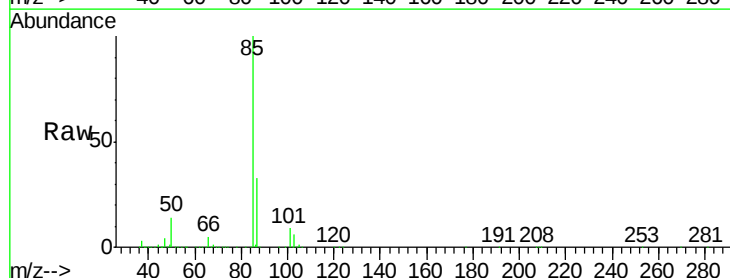
RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX015991.D

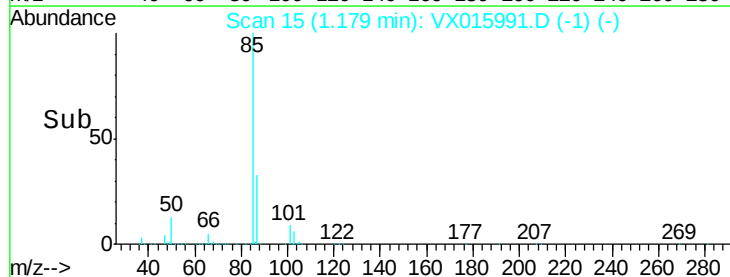
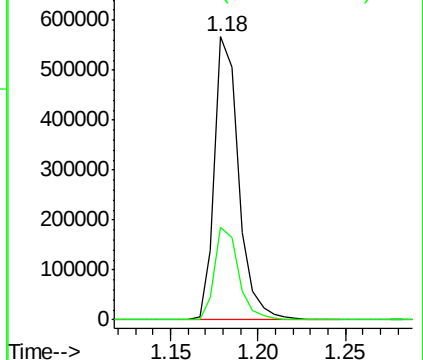
Acq: 30 Apr 2020 12:02

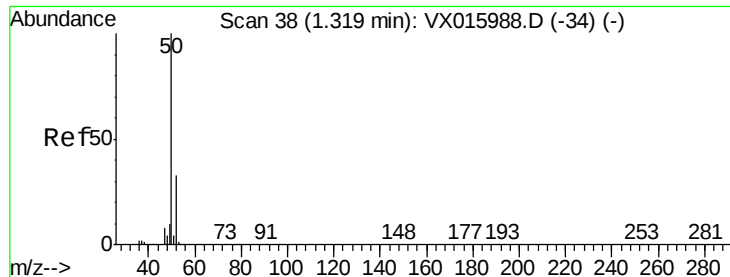
Tgt Ion:	85	Resp:	546046
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 158.088 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 516003

Ion Ratio Lower Upper

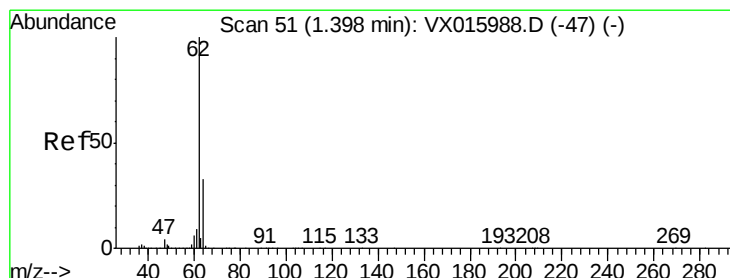
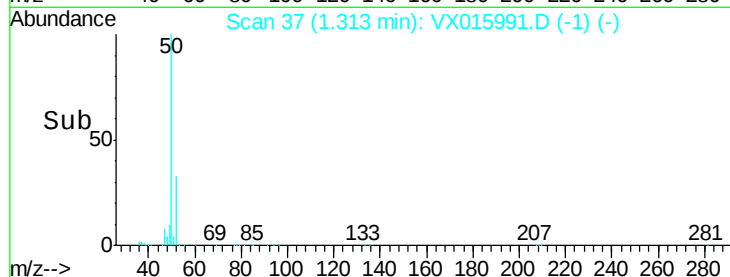
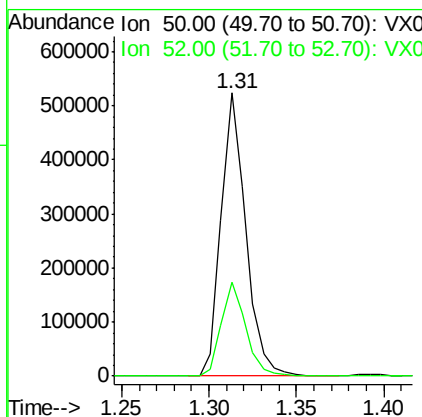
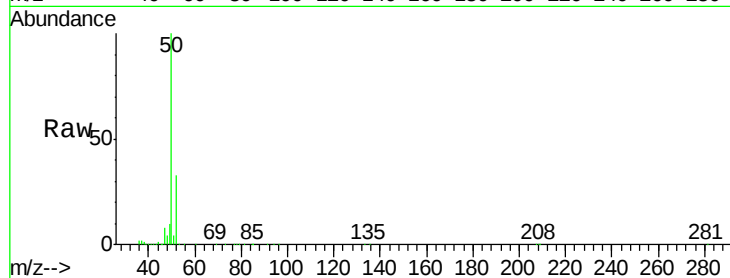
50 100

52 33.0 26.5 39.7

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#4

Vinyl Chloride

Concen: 171.783 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX015991.D

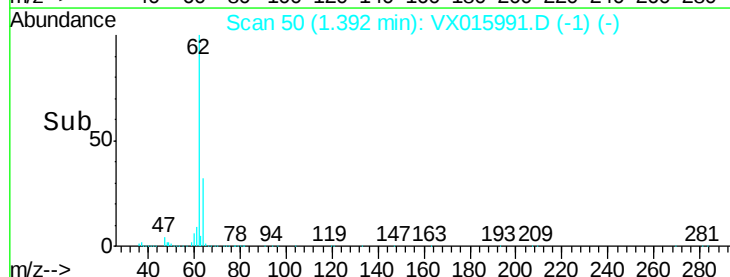
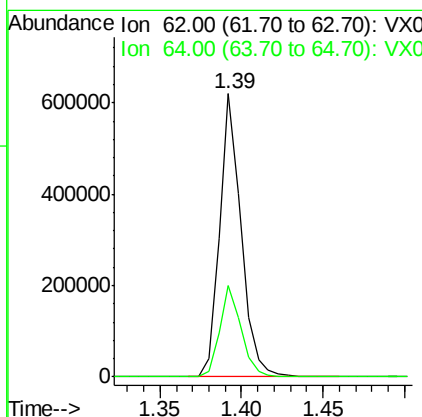
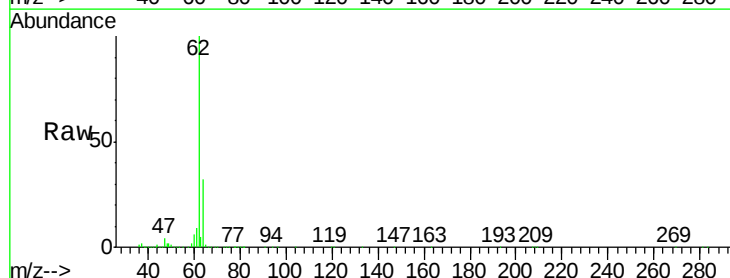
Acq: 30 Apr 2020 12:02

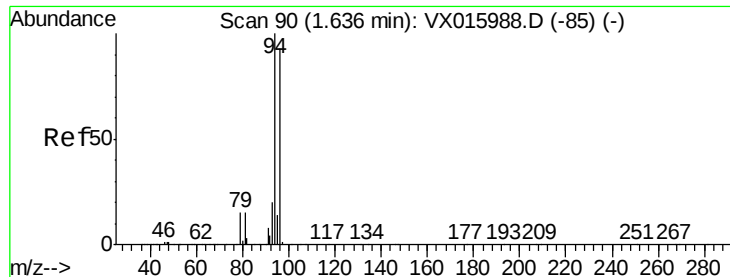
Tgt Ion: 62 Resp: 571860

Ion Ratio Lower Upper

62 100

64 32.4 26.3 39.5





#5

Bromomethane

Concen: 153.385 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.02 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 287225

Ion Ratio Lower Upper

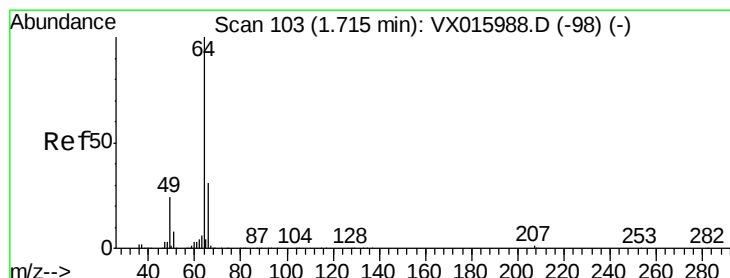
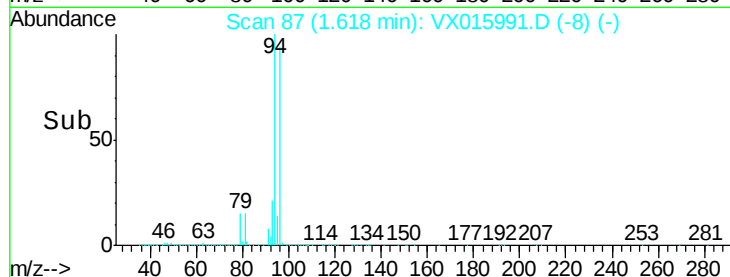
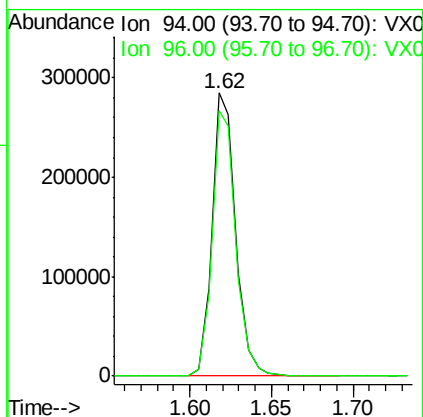
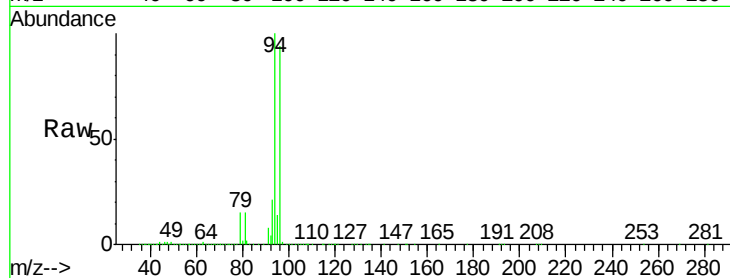
94 100

96 93.9 74.2 111.2

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#6

Chloroethane

Concen: 179.474 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.02 min

Lab File: VX015991.D

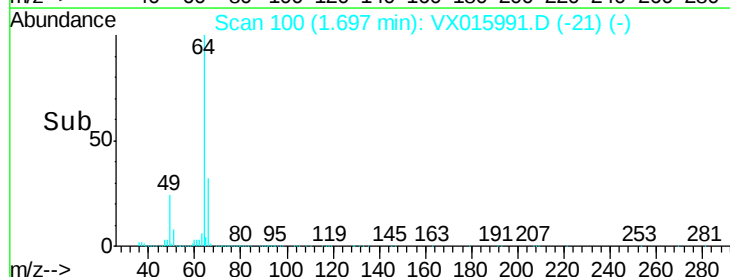
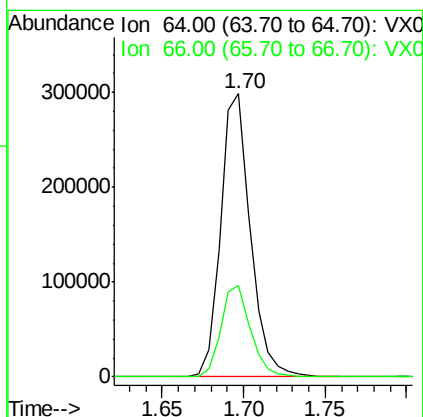
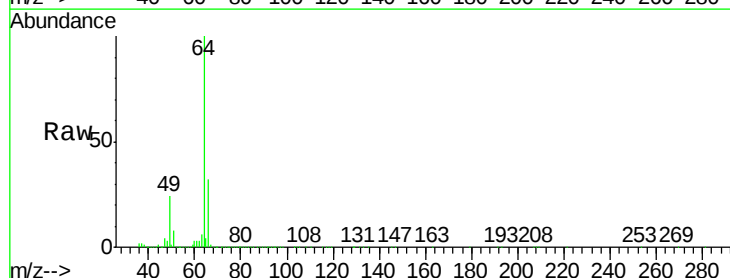
Acq: 30 Apr 2020 12:02

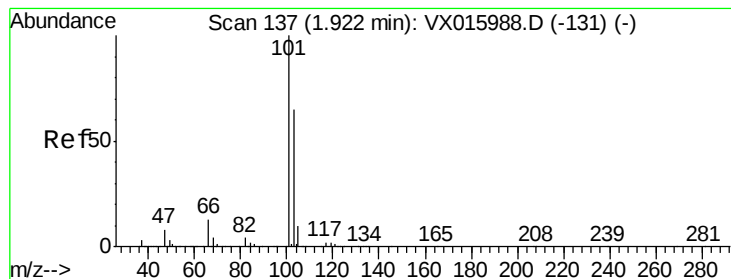
Tgt Ion: 64 Resp: 378956

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





#7

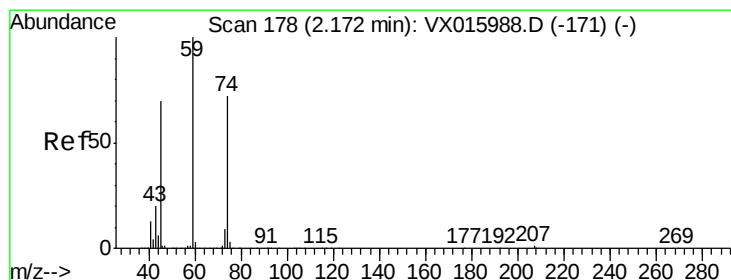
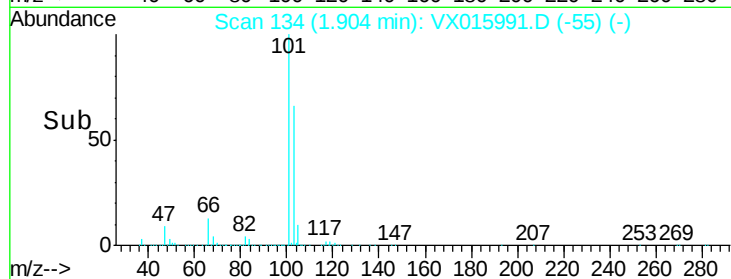
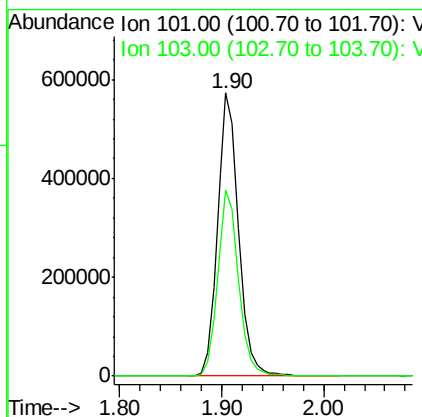
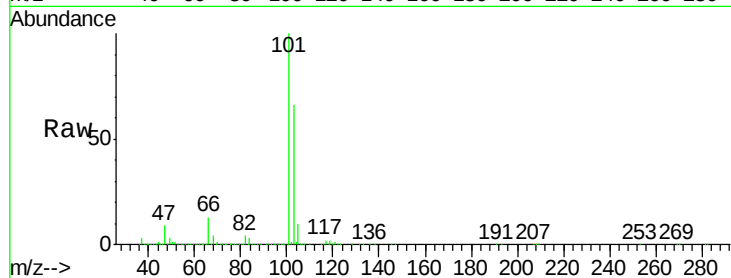
Trichlorofluoromethane
Concen: 174.625 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.02 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		827224		
103	65.8	51.8	77.8		

Manual Integrations
APPROVED

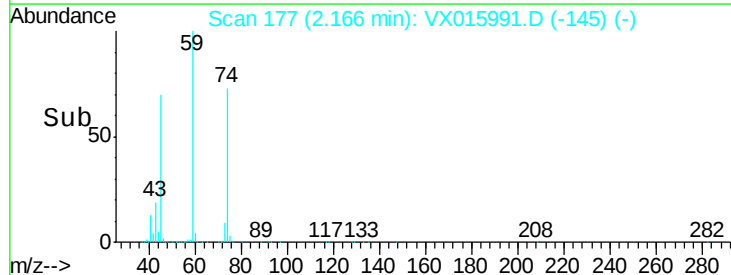
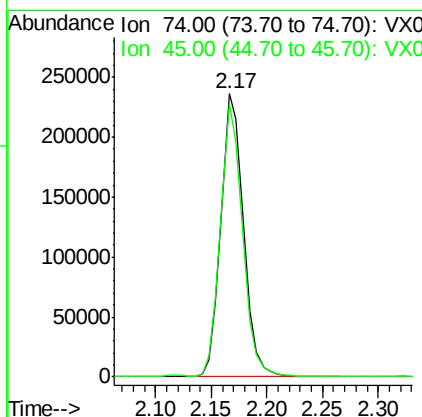
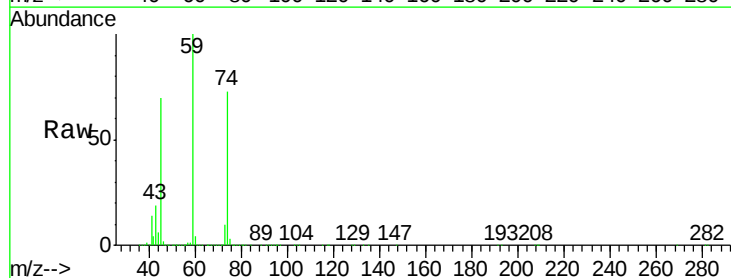
MMDadoda
5/4/2020 3:10:16 PM

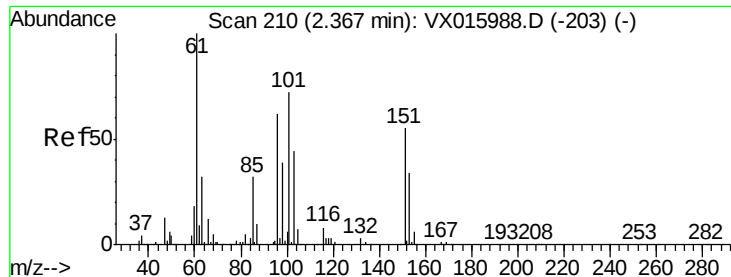


#8

Diethyl Ether
Concen: 181.447 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		331735		
45	95.1	19.4	174.8		





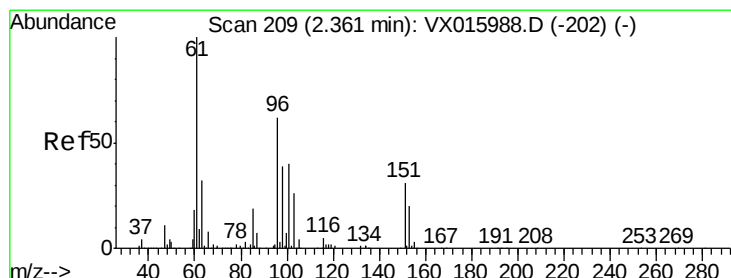
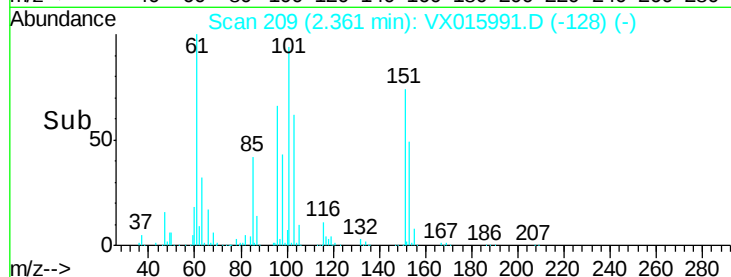
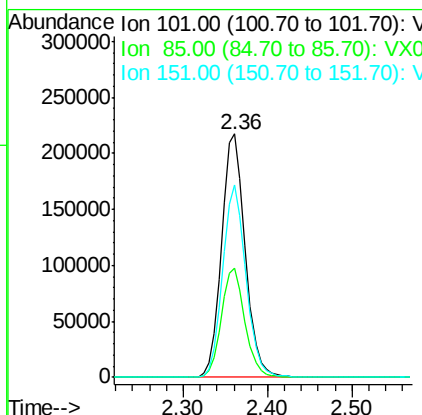
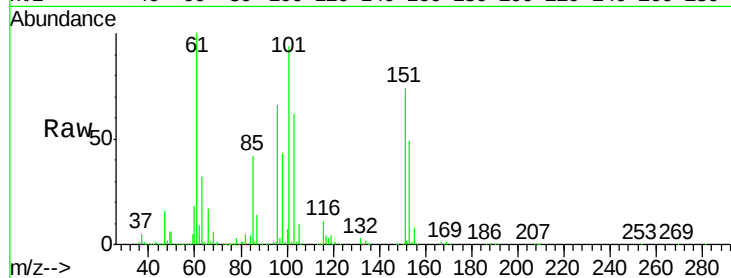
#9
1,1,2-Trichlorotrifluoroethane
Concen: 150.936 ug/l
RT: 2.36 min Scan# 209
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	419383		
85	44.5	0.0	90.6	
151	77.9	0.0	157.0	

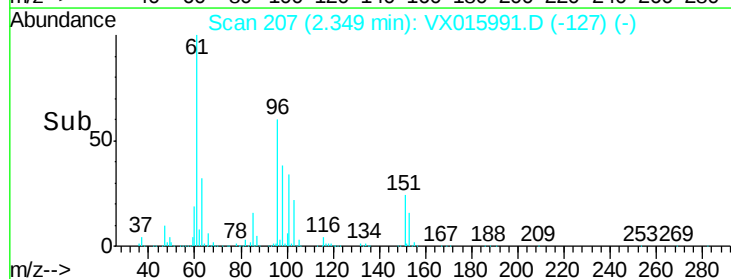
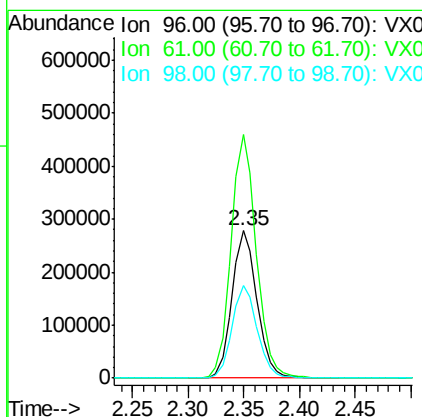
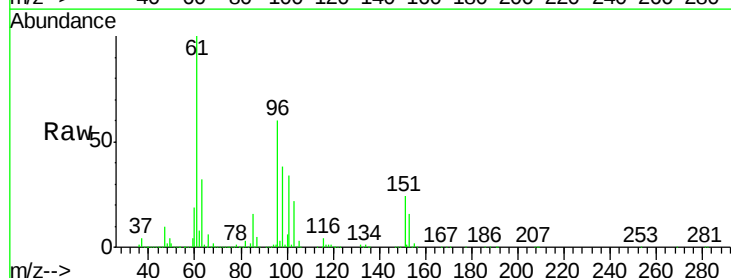
Manual Integrations
APPROVED

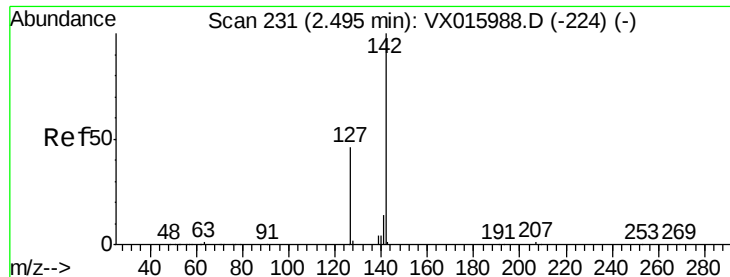
MMDadoda
5/4/2020 3:10:16 PM



#10
1,1-Dichloroethene
Concen: 153.426 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	431852		
61	165.4	129.8	194.8	
98	62.8	51.1	76.7	





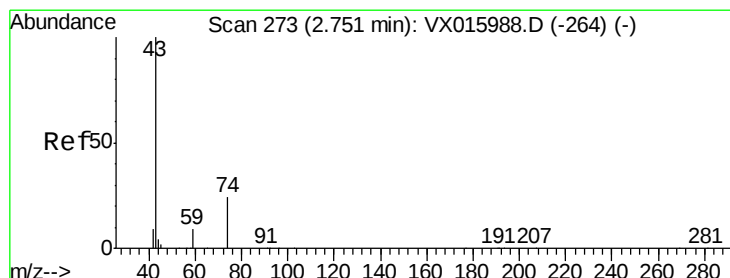
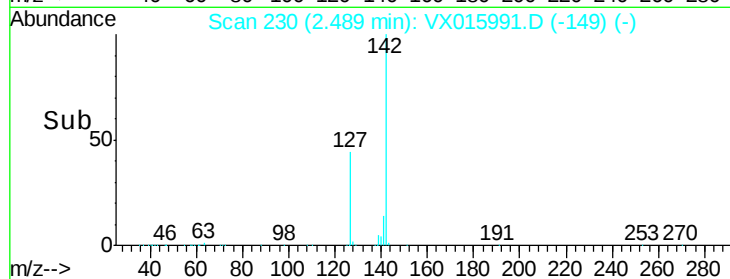
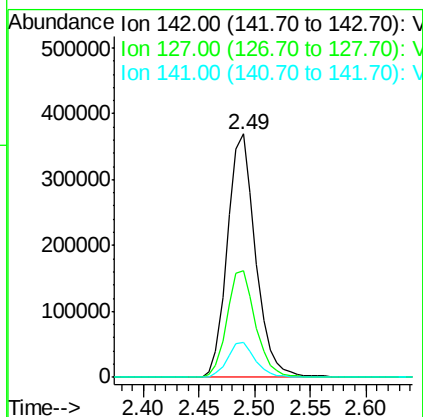
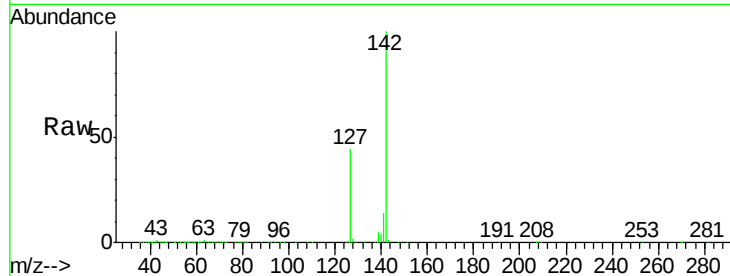
#11
Methvl Iodide
Concen: 173.811 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.9	22.8	68.4
141	14.1	7.0	21.1

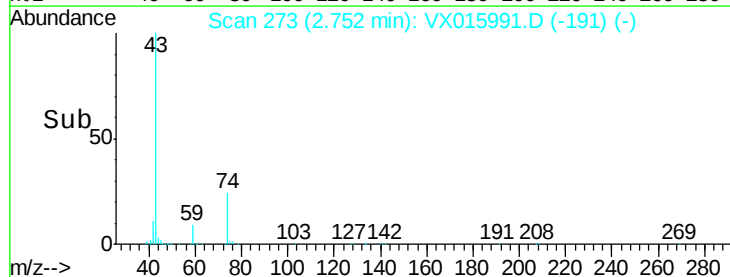
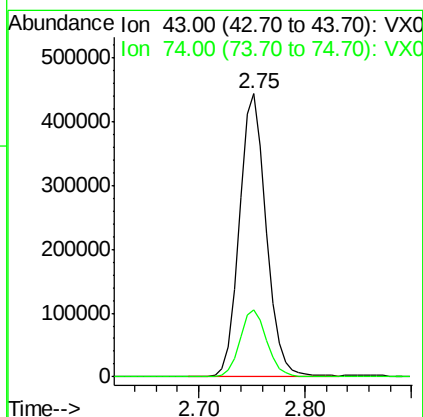
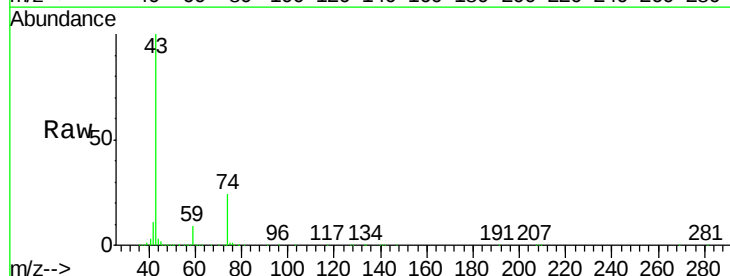
Manual Integrations
APPROVED

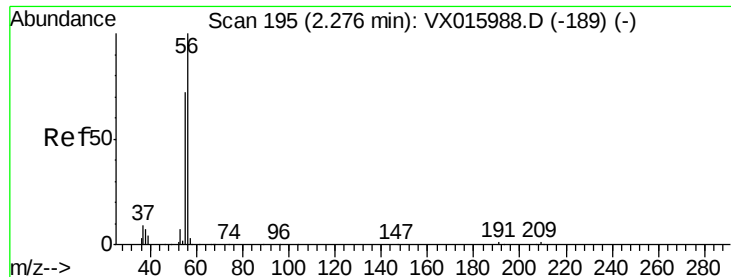
MMDadoda
5/4/2020 3:10:16 PM



#12
Methyl Acetate
Concen: 174.566 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.4





#13

Acrolein

Concen: 683.502 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 322165

Ion Ratio Lower Upper

56 100

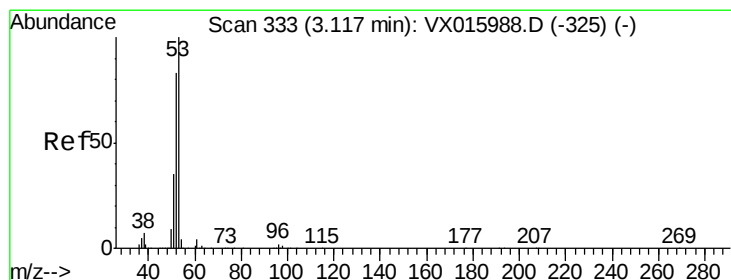
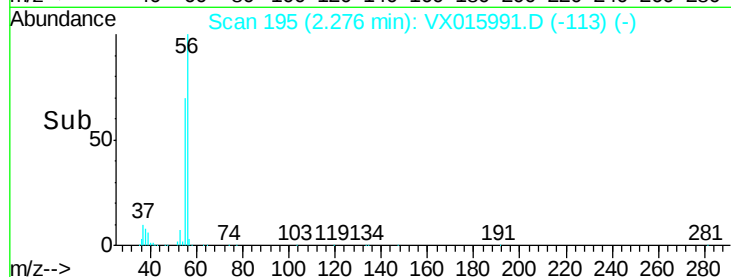
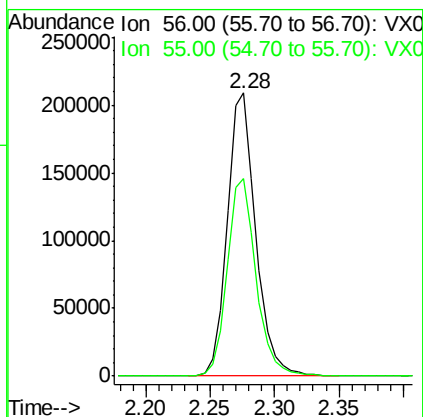
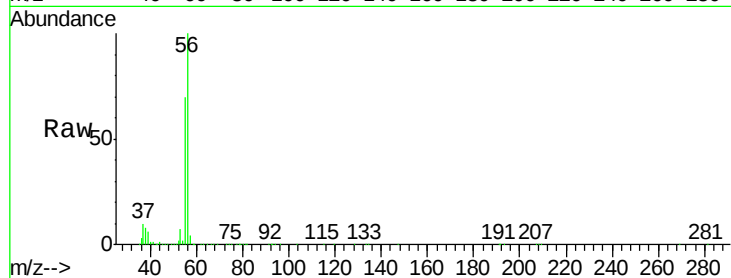
55 70.7 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#14

Acrylonitrile

Concen: 816.123 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

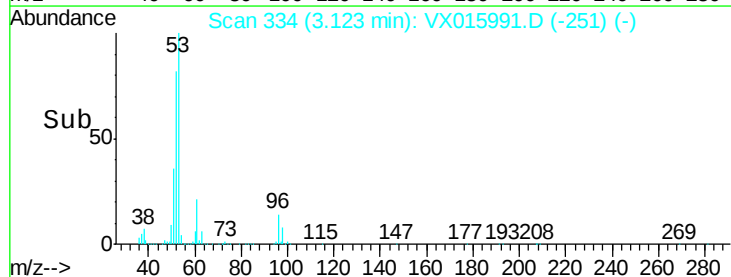
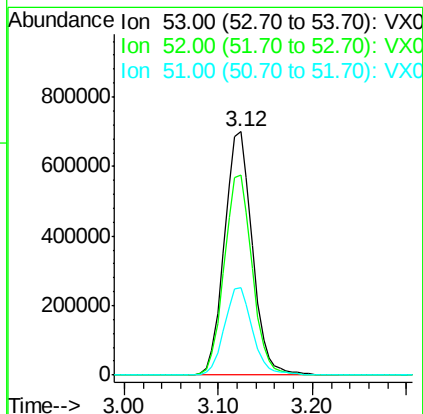
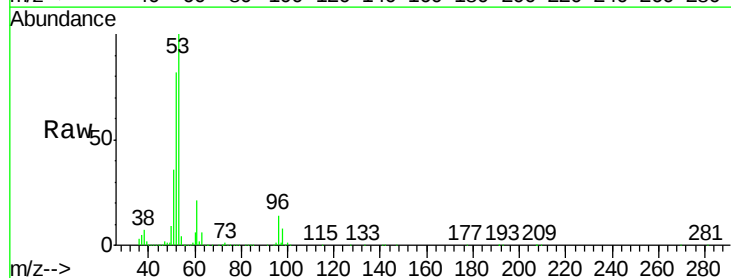
Tgt Ion: 53 Resp: 1444289

Ion Ratio Lower Upper

53 100

52 82.3 41.2 123.6

51 36.3 17.8 53.5





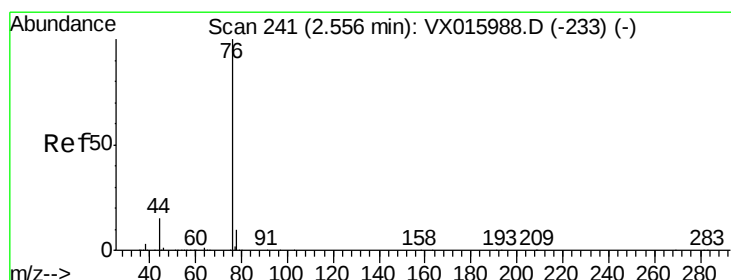
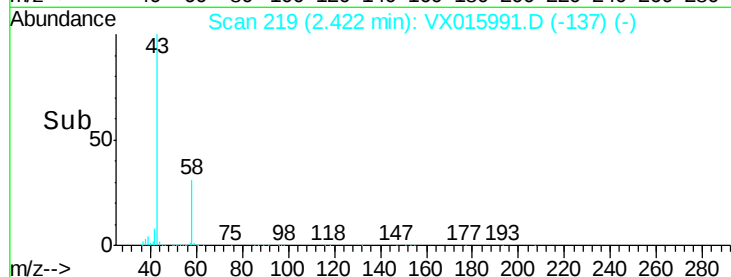
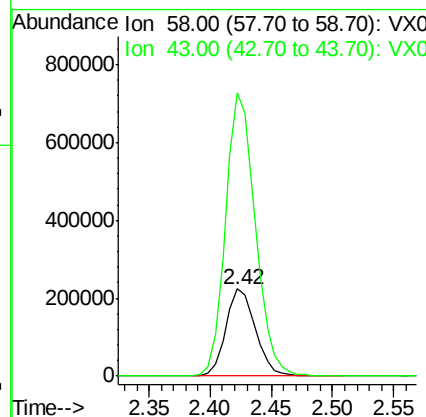
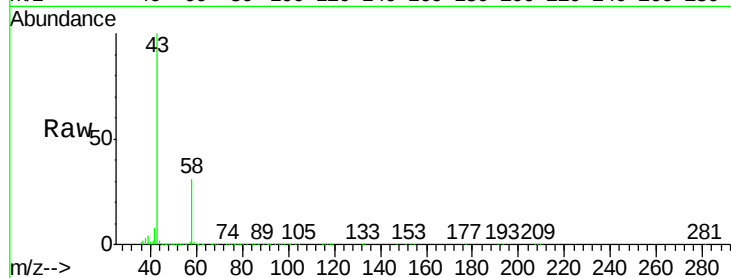
#15
Acetone
Concen: 824.882 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
58	100			
43	325.5	264.2	396.2	

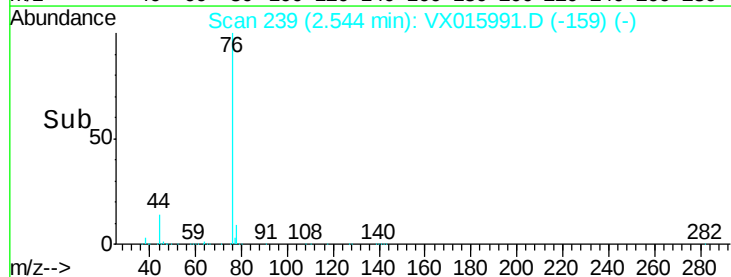
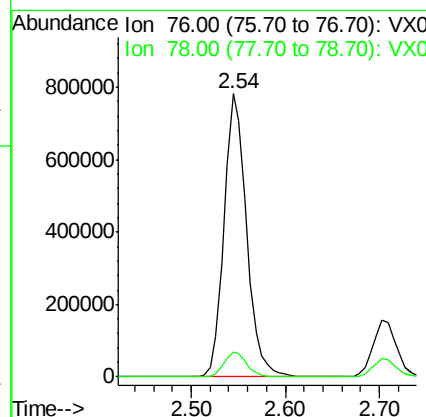
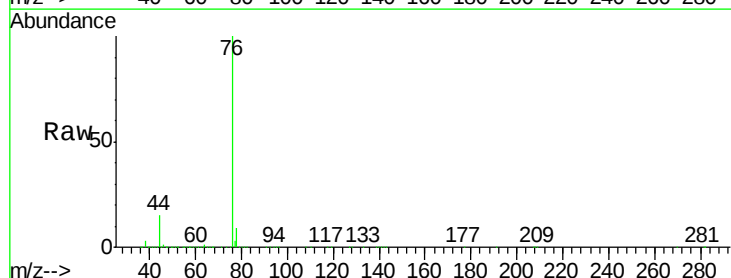
Manual Integrations
APPROVED

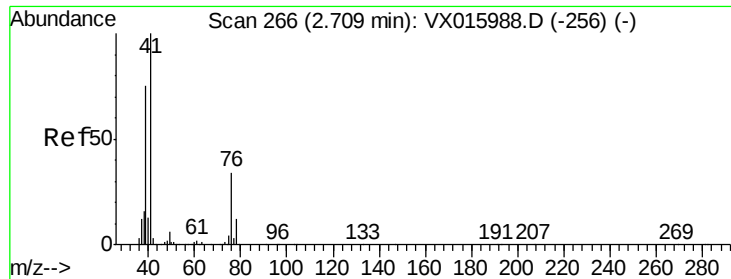
MMDadoda
5/4/2020 3:10:16 PM



#16
Carbon Disulfide
Concen: 155.567 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.0	7.7	11.5	





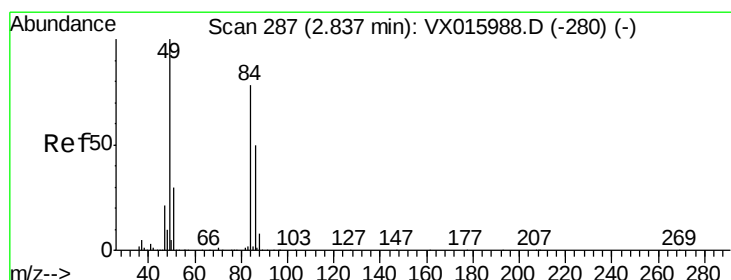
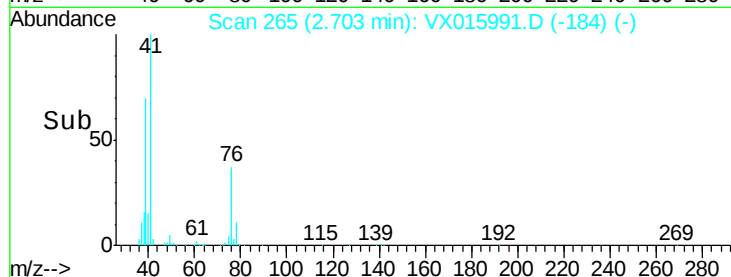
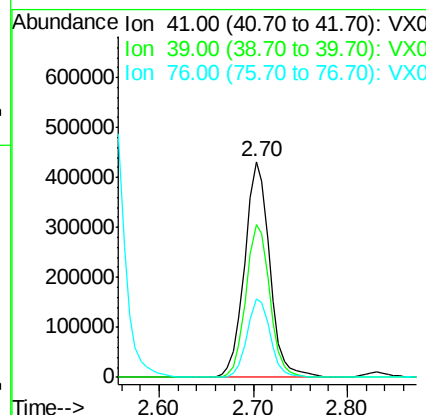
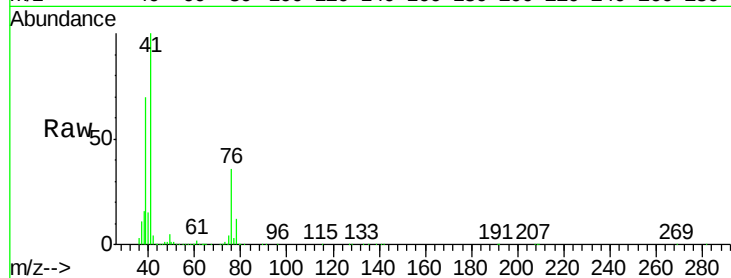
#17
Allvl chloride
Concen: 136.037 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	804523
Ion	Ratio	Lower	Upper
41	100		
39	70.4	37.6	112.8
76	36.4	17.2	51.5

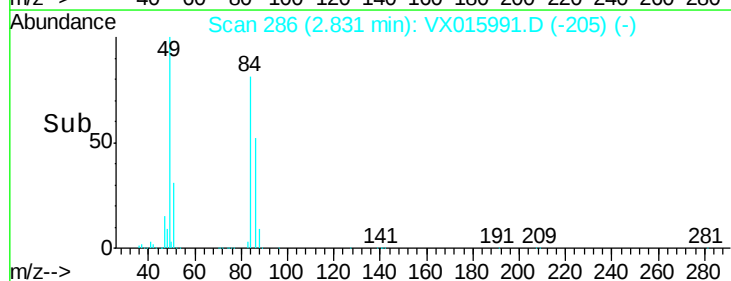
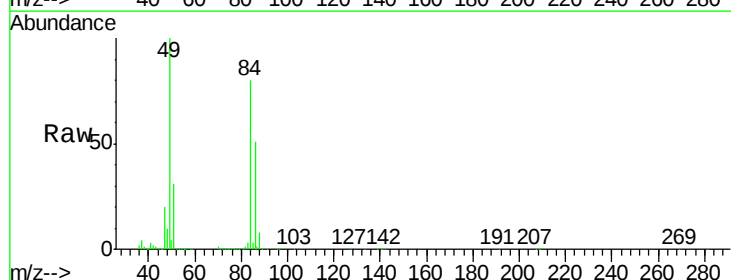
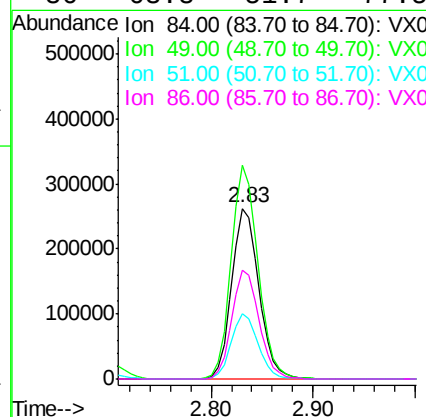
Manual Integrations
APPROVED

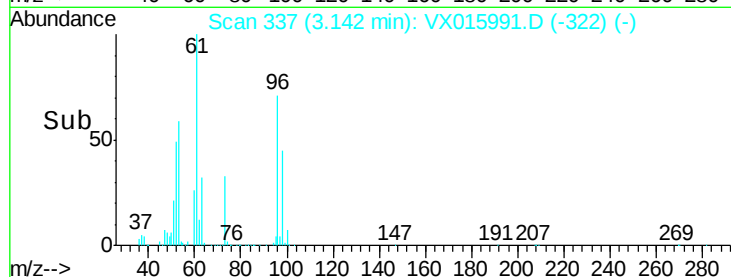
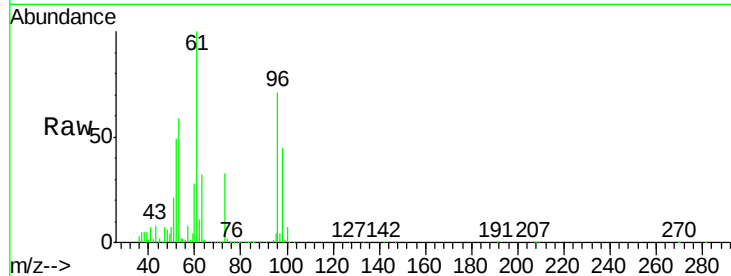
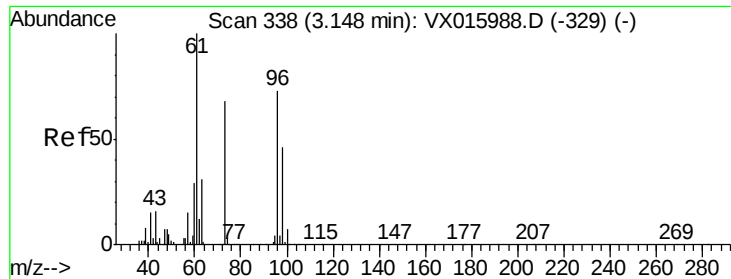
MMDadoda
5/4/2020 3:10:16 PM



#18
Methylene Chloride
Concen: 153.520 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion:	84	Resp:	483561
Ion	Ratio	Lower	Upper
84	100		
49	125.4	103.0	154.4
51	38.4	31.4	47.0
86	63.8	51.7	77.5





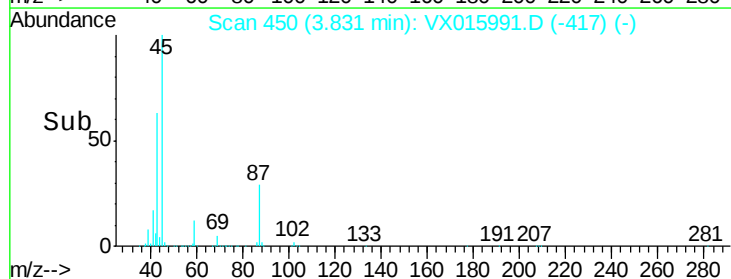
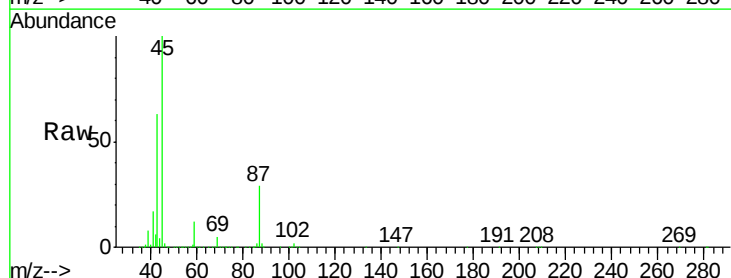
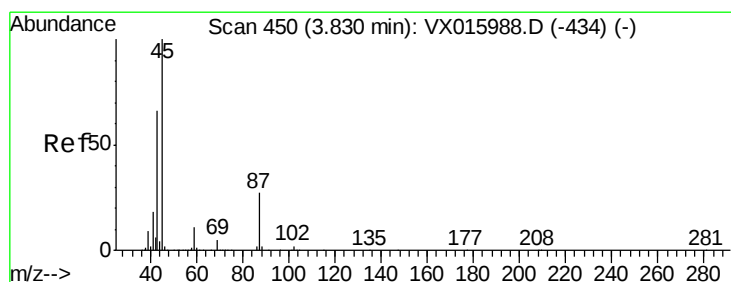
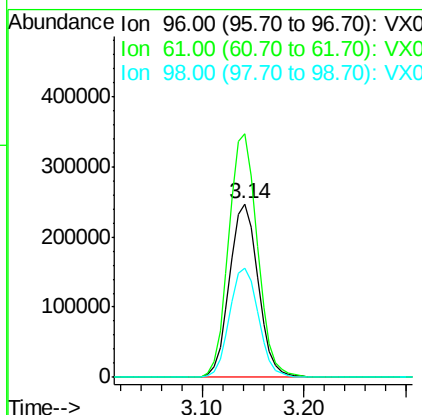
#19
trans-1,2-Dichloroethene
Concen: 157.230 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	140.1	109.0	163.4	
98	62.8	50.0	75.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

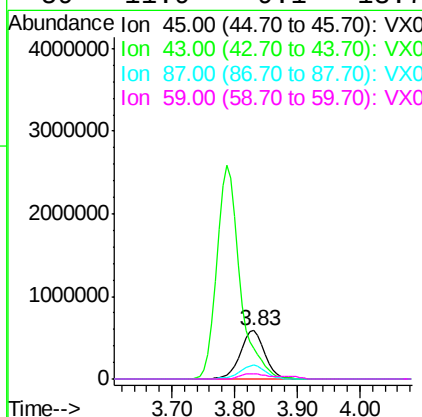
Manual Integrations
APPROVED

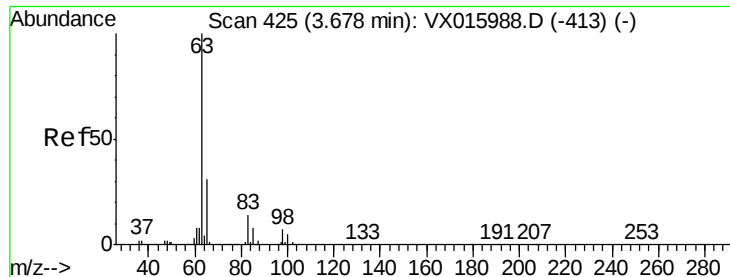
MMDadoda
5/4/2020 3:10:16 PM



#20
Diisopropyl ether
Concen: 145.576 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	62.9	53.0	79.4	
87	28.9	21.9	32.9	
59	11.9	9.1	13.7	





#21

1,1-Dichloroethane

Concen: 150.803 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

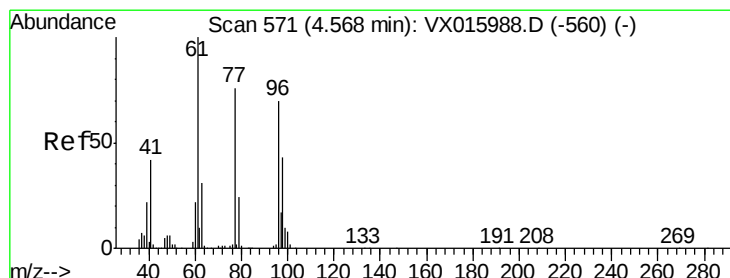
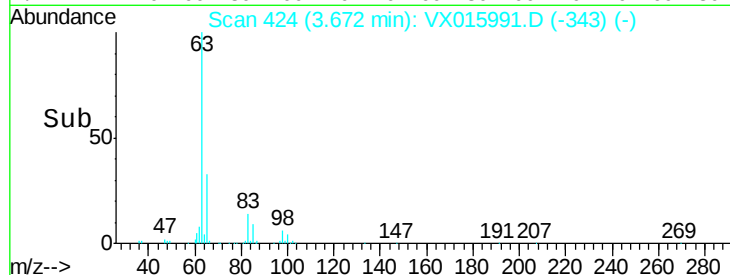
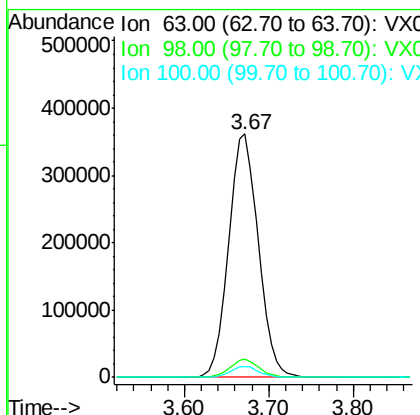
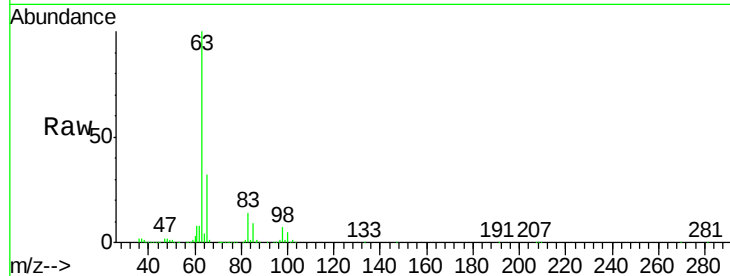
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	862828
Ion Ratio		Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.6	2.3	6.9

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#22

cis-1,2-Dichloroethene

Concen: 155.638 ug/l

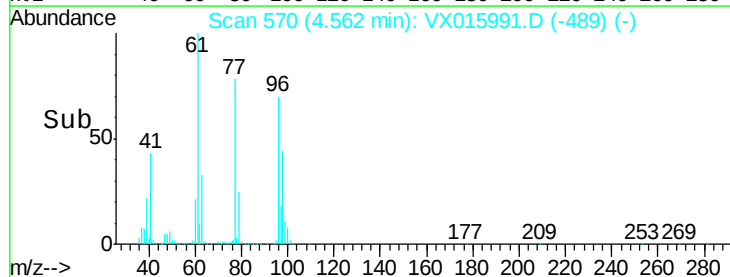
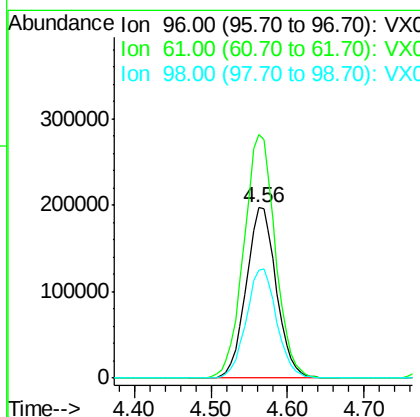
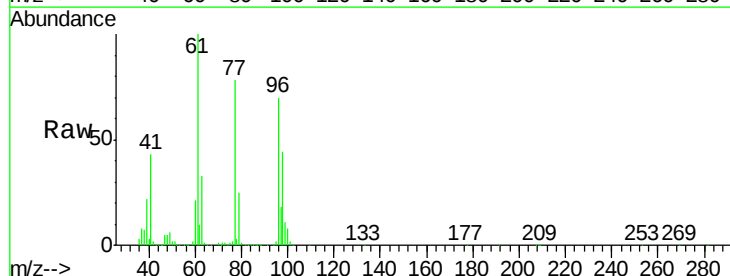
RT: 4.56 min Scan# 570

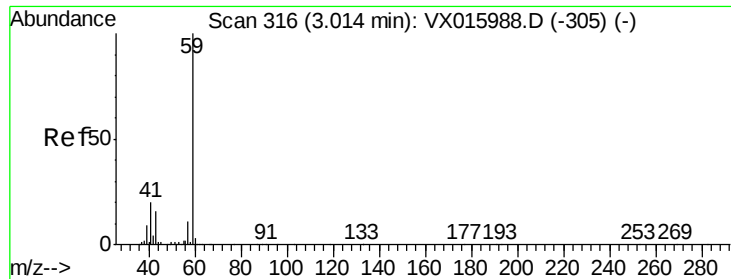
Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	96	Resp:	542770
Ion Ratio		Lower	Upper
96	100		
61	148.9	121.6	182.4
98	64.8	51.9	77.9





#23

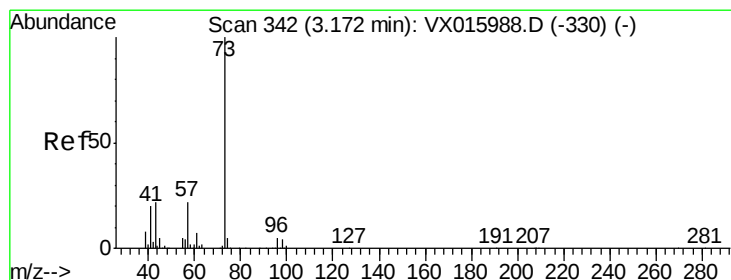
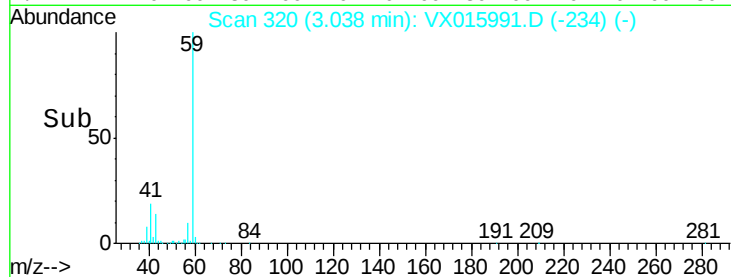
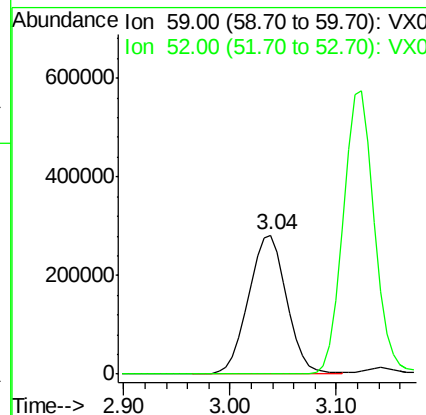
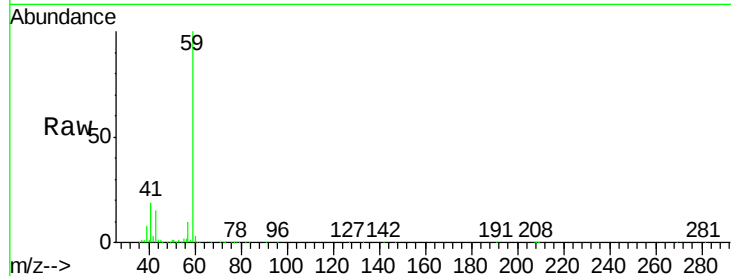
tert-Butyl Alcohol
 Concen: 818.570 ug/l
 RT: 3.04 min Scan# 320
 Delta R.T. 0.02 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.2	0.1	0.1#

Manual Integrations
 APPROVED

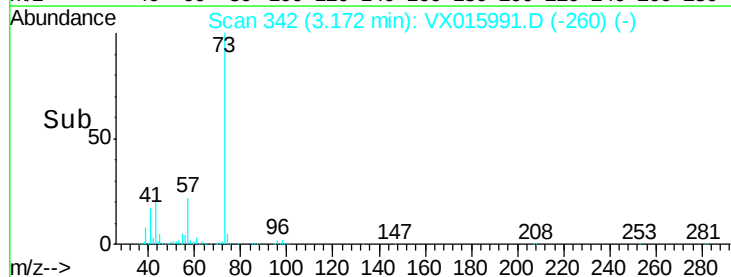
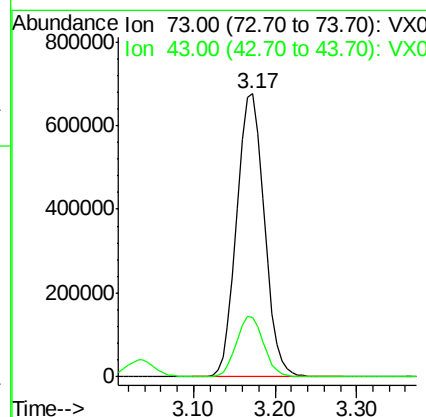
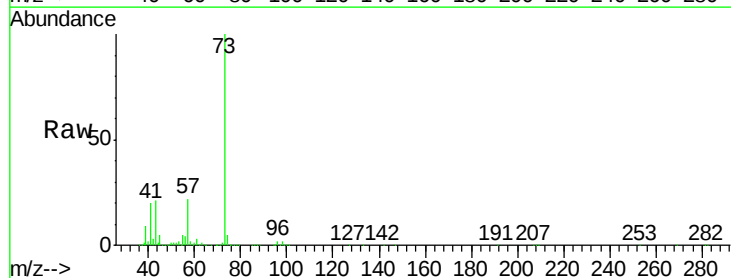
MMDadoda
 5/4/2020 3:10:16 PM

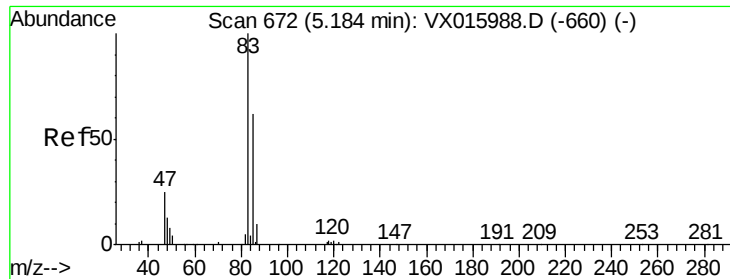


#24

Methyl tert-Butyl Ether
 Concen: 153.982 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	20.9	17.8	26.6





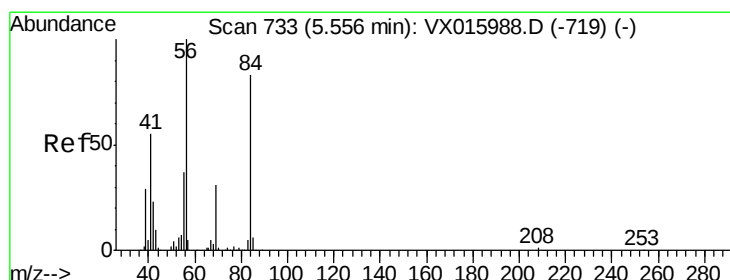
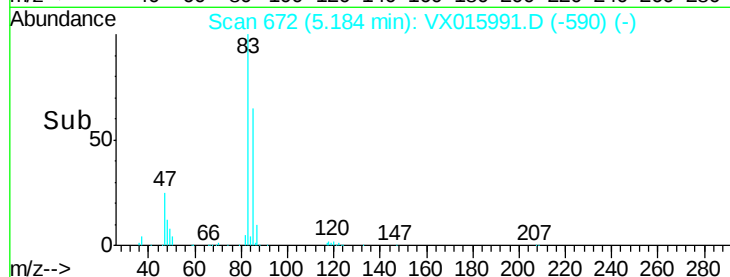
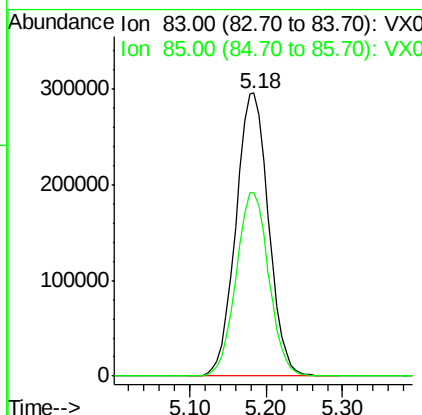
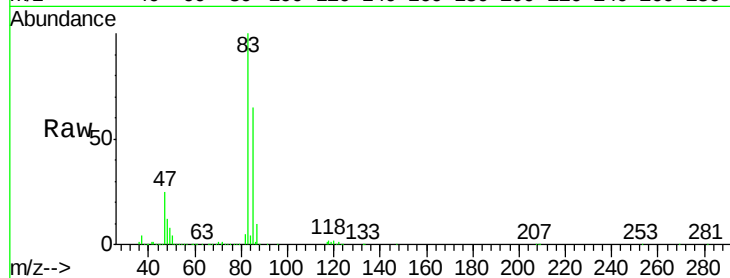
#25
Chloroform
Concen: 153.116 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.6	74.4

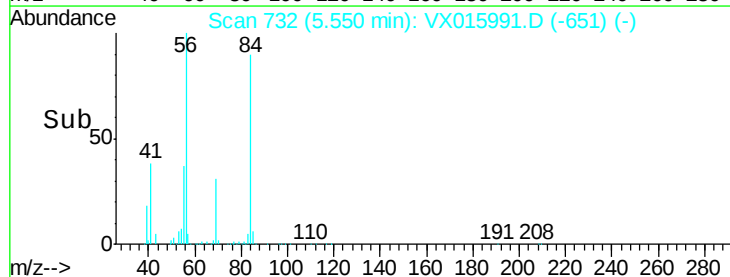
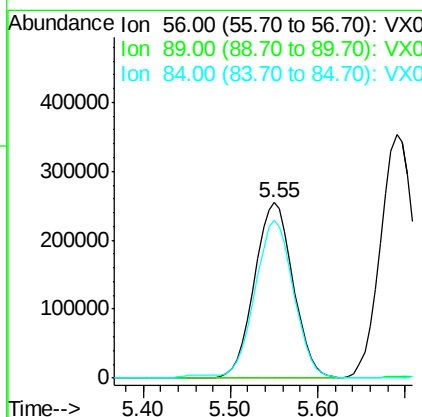
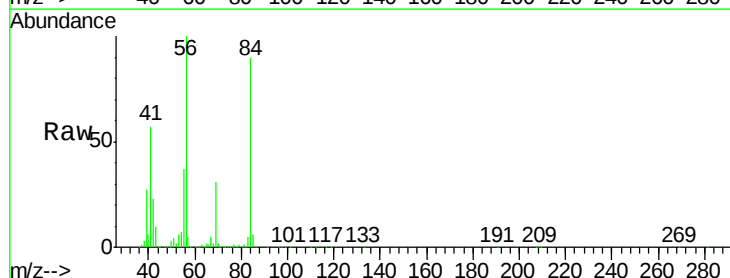
Manual Integrations
APPROVED

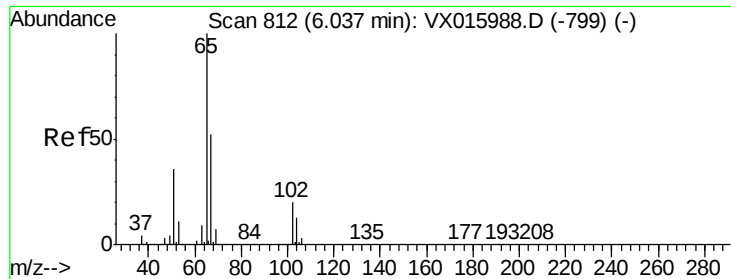
MMDadoda
5/4/2020 3:10:16 PM



#26
Cyclohexane
Concen: 145.346 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	89.4	70.1	105.1





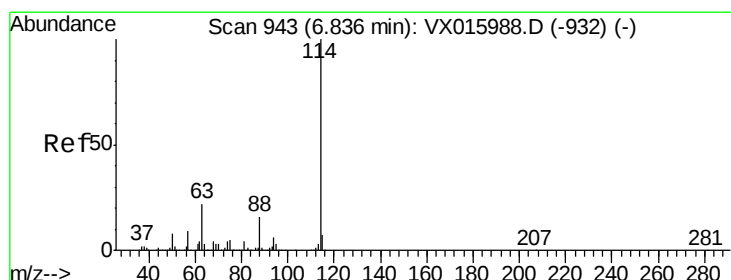
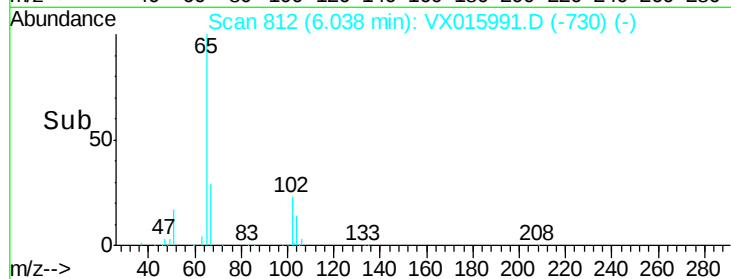
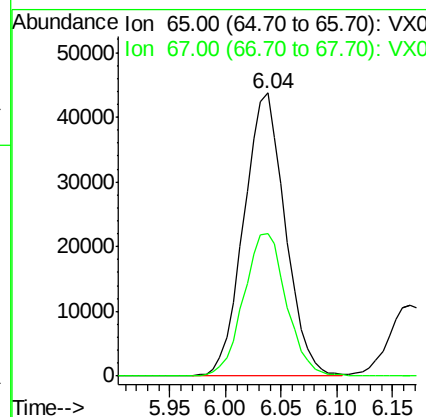
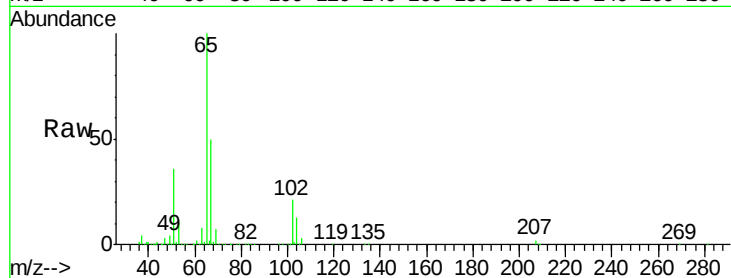
#27
 1,2-Dichloroethane-d4
 Concen: 28.703 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.0	61.4

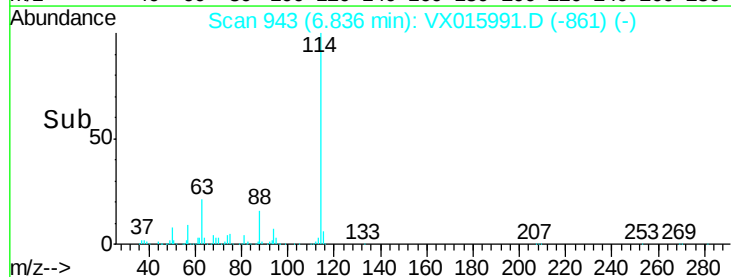
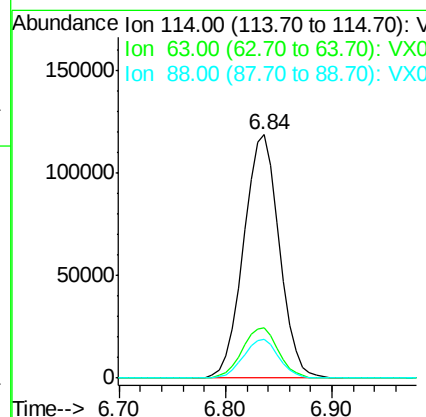
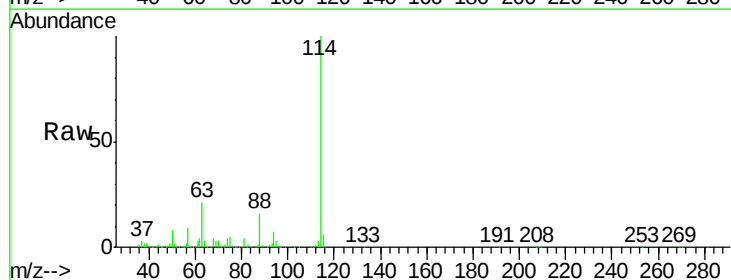
Manual Integrations
 APPROVED

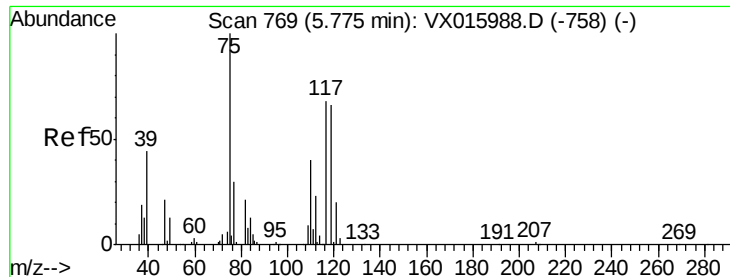
MMDadoda
 5/4/2020 3:10:16 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.1	25.7
88	16.0	13.0	19.4





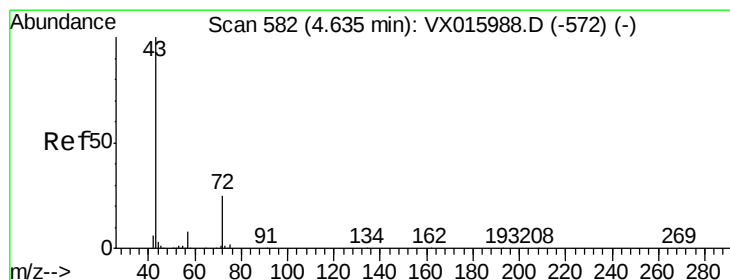
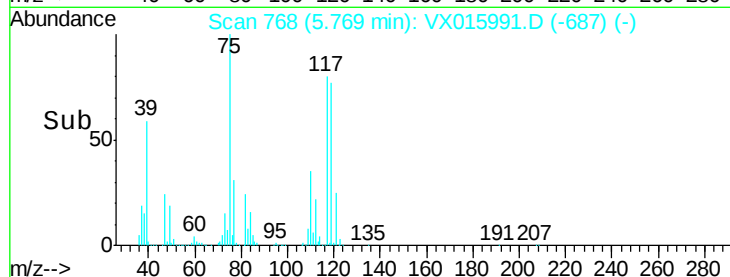
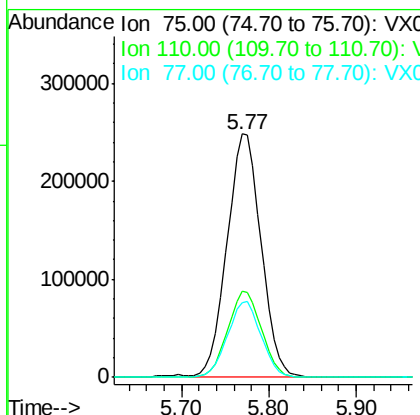
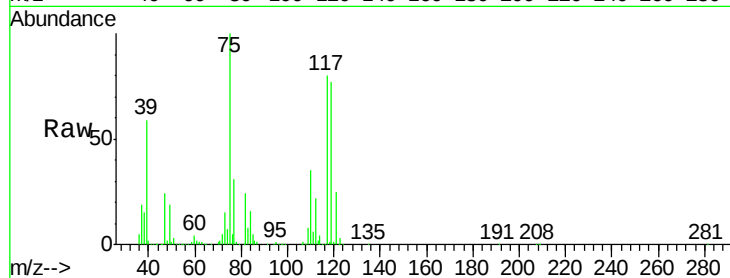
#29
 1,1-Dichloropropene
 Concen: 157.903 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	75	Resp:	671090
Ion Ratio	Lower	Upper	
75	100		
110	35.1	0.0	71.0
77	30.8	0.0	64.2

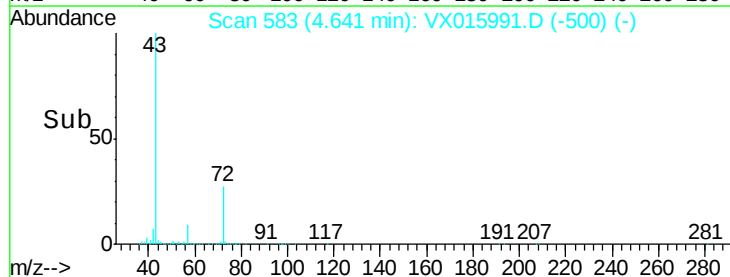
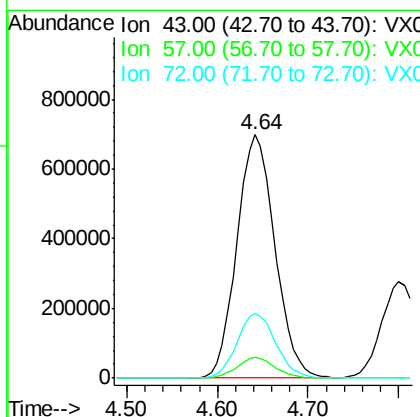
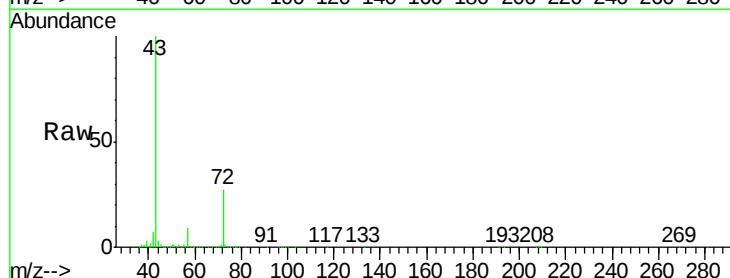
Manual Integrations
 APPROVED

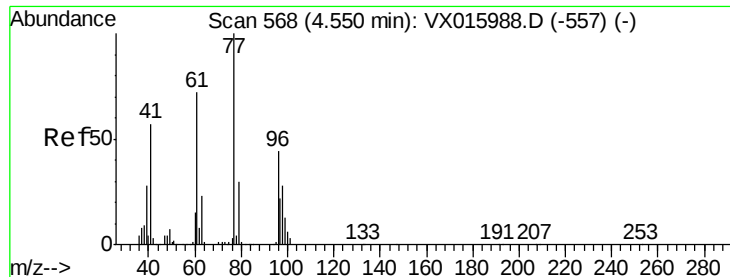
MMDadoda
 5/4/2020 3:10:16 PM



#30
 2-Butanone
 Concen: 801.584 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion:	43	Resp:	2029234
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.3	9.5
72	27.0	20.8	31.2





#31

2,2-Dichloropropane

Concen: 153.245 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 783214

Ion Ratio Lower Upper

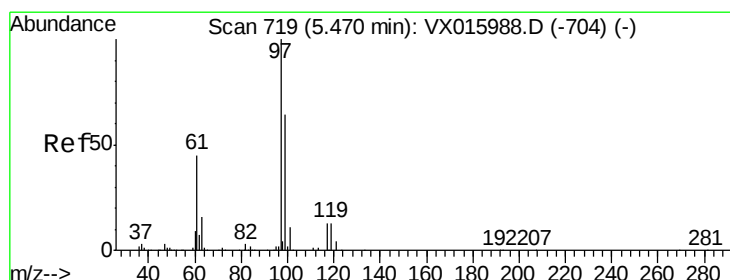
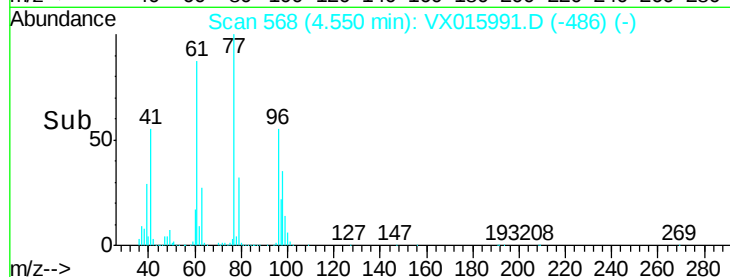
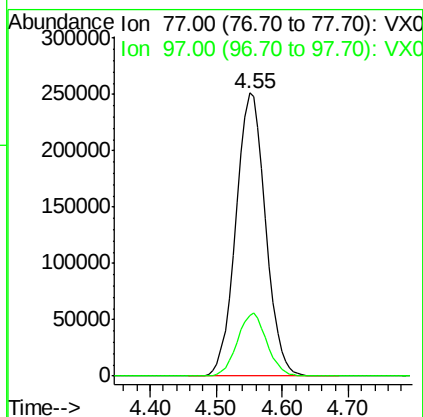
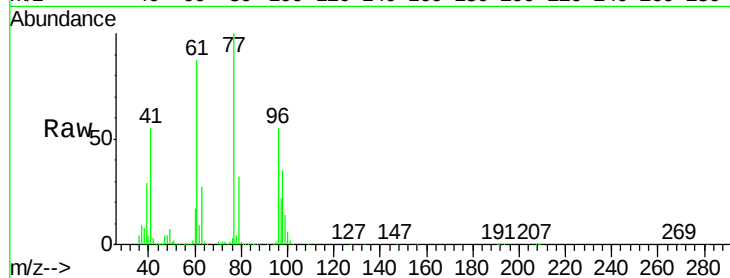
77 100

97 22.2 17.8 26.8

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#32

1,1,1-Trichloroethane

Concen: 156.220 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

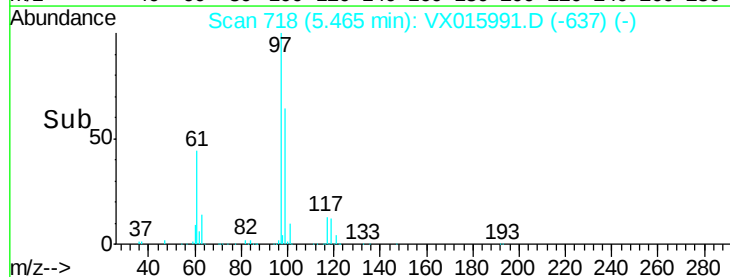
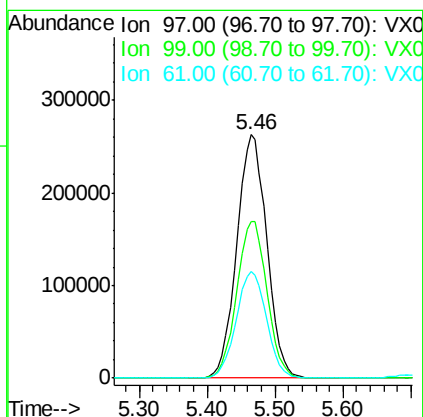
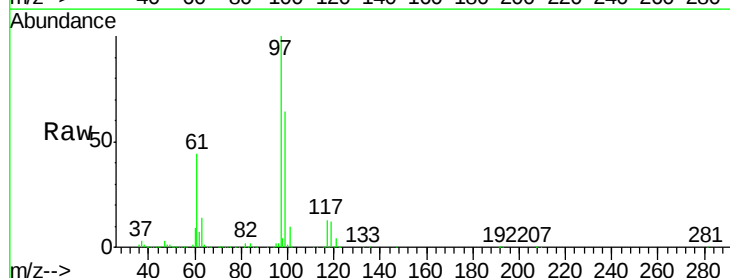
Tgt Ion: 97 Resp: 806676

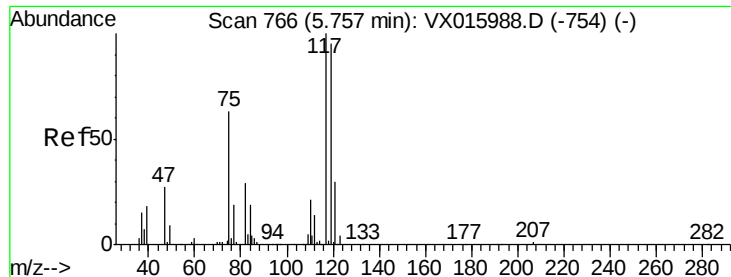
Ion Ratio Lower Upper

97 100

99 64.7 50.7 76.1

61 44.2 35.9 53.9





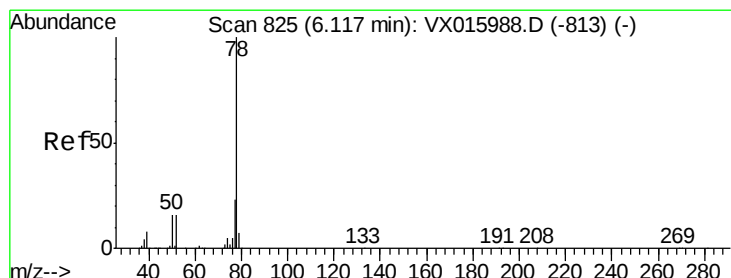
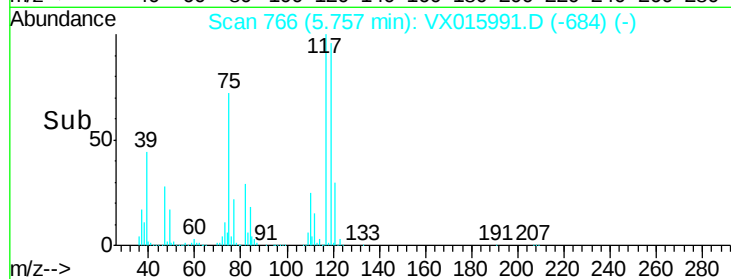
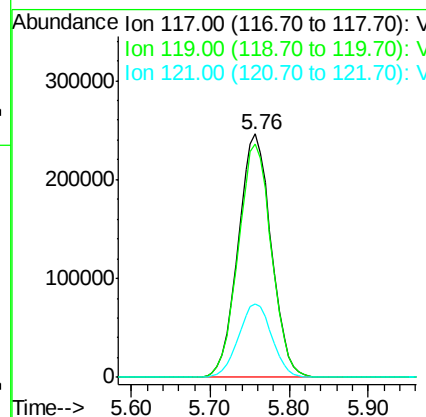
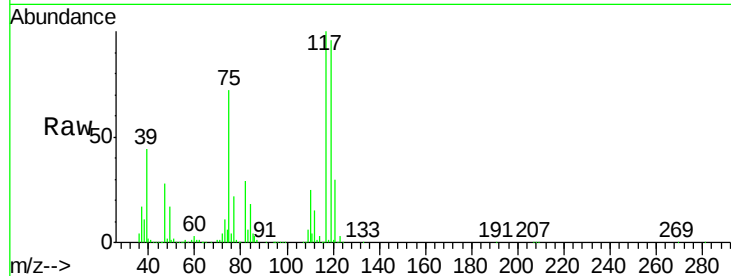
#33
Carbon Tetrachloride
Concen: 153.050 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	30.1	24.2	36.4

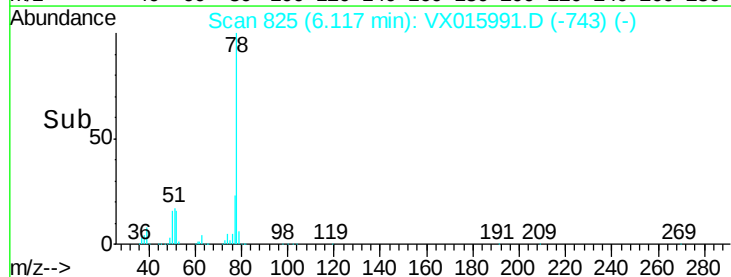
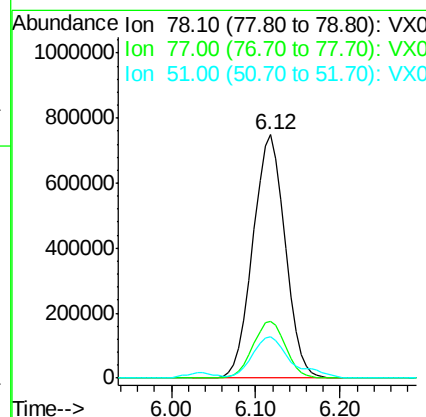
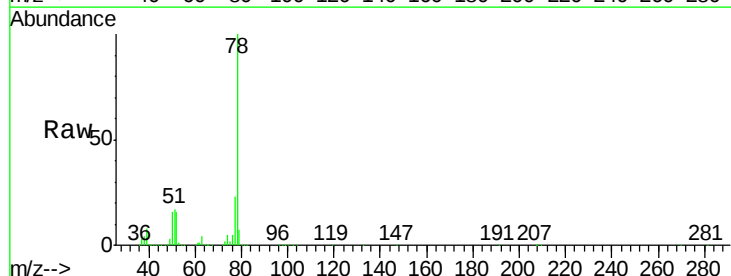
Manual Integrations
APPROVED

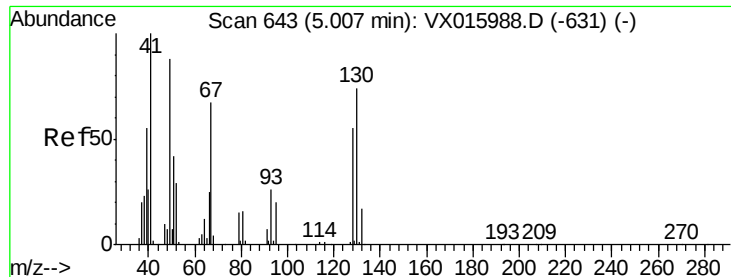
MMDadoda
5/4/2020 3:10:16 PM



#34
Benzene
Concen: 158.176 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1
51	16.6	12.7	19.1





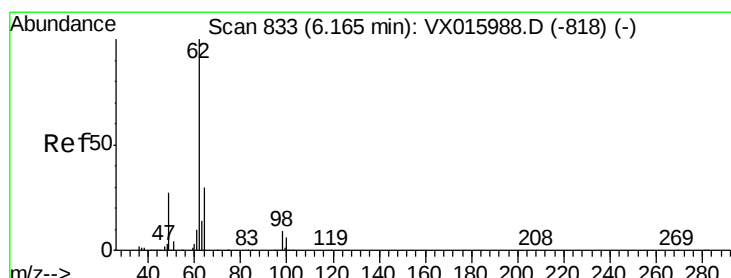
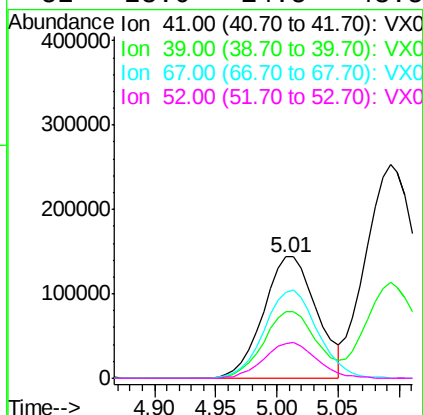
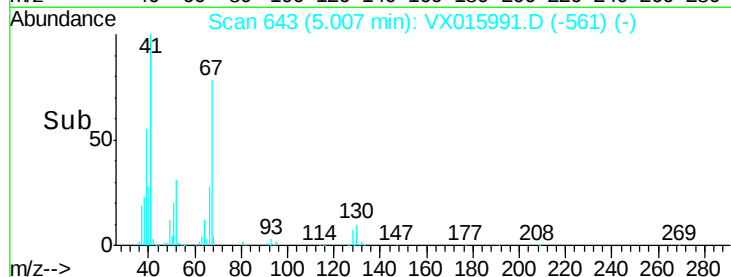
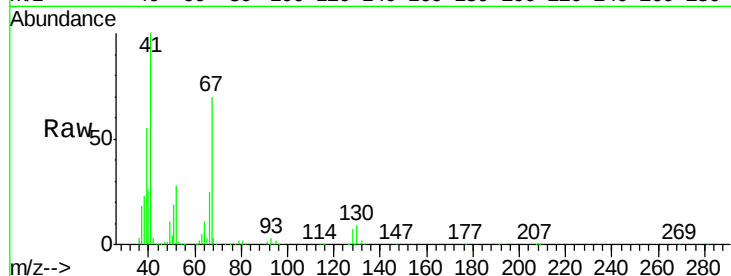
#35
Methacrylonitrile
Concen: 155.492 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	27.5	82.4
67	70.5	33.6	100.6
52	28.0	14.5	43.5

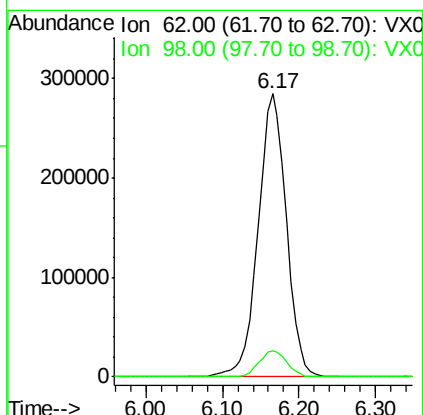
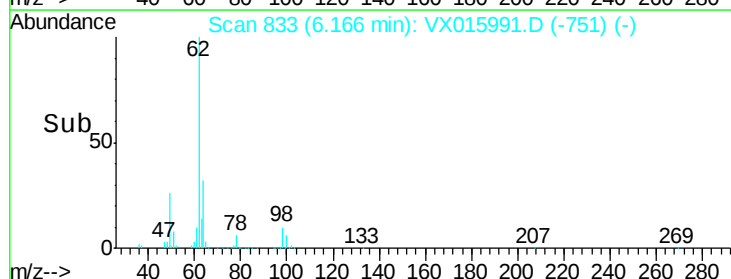
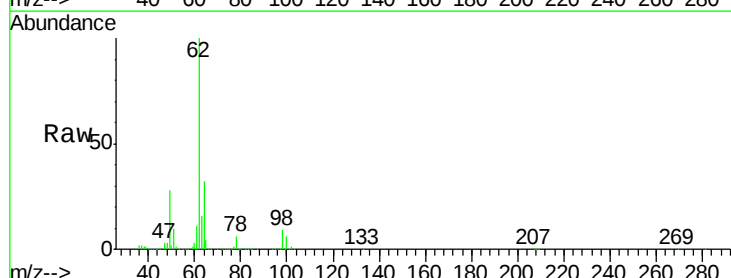
Manual Integrations
APPROVED

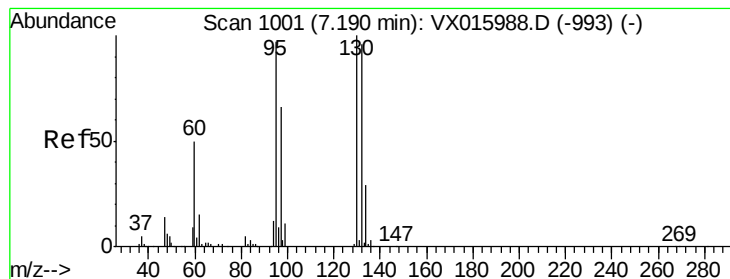
MMDadoda
5/4/2020 3:10:16 PM



#36
1,2-Dichloroethane
Concen: 155.990 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2





#37

Trichloroethene

Concen: 163.097 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 632408

Ion Ratio Lower Upper

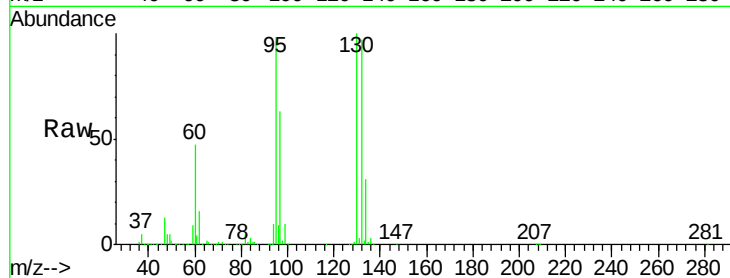
130 100

95 98.0 77.8 116.8

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

300000

250000

200000

150000

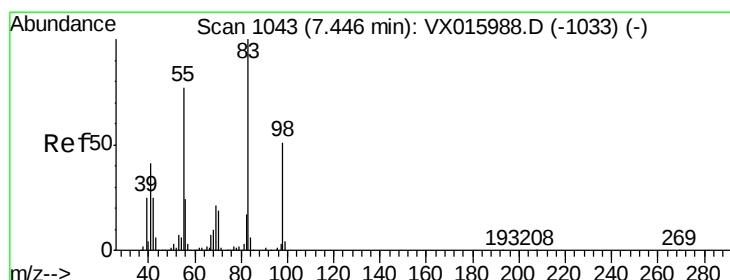
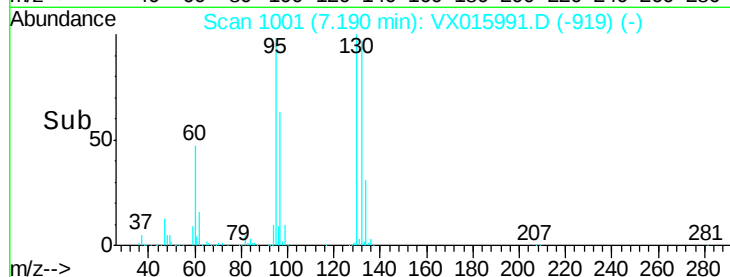
100000

50000

0

Time-->

7.10 7.20 7.30



#38

Methylcyclohexane

Concen: 157.005 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

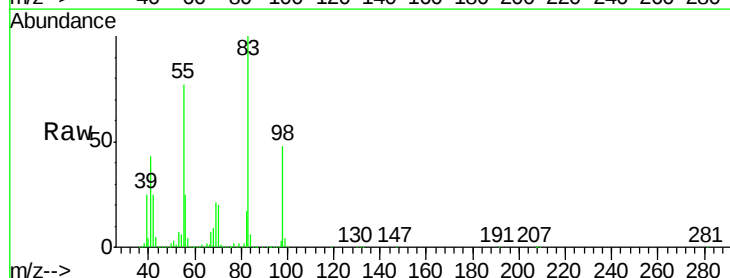
Tgt Ion: 83 Resp: 814516

Ion Ratio Lower Upper

83 100

55 76.7 38.8 116.4

98 49.0 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.44

500000

400000

300000

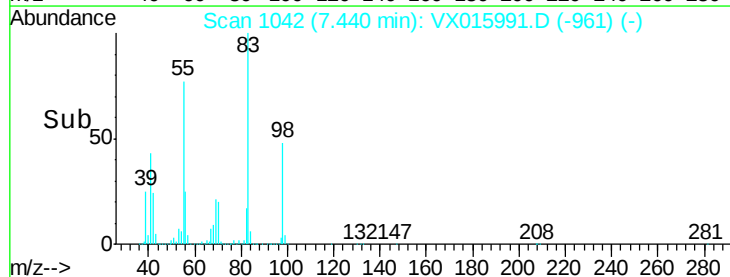
200000

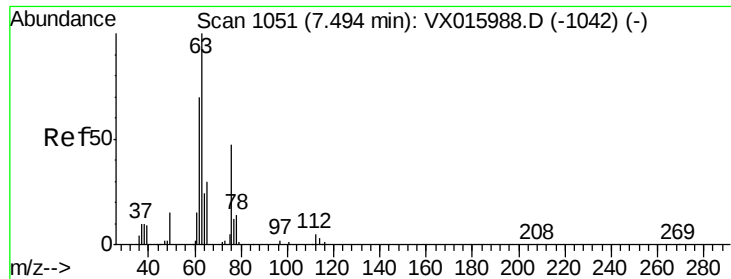
100000

0

Time-->

7.30 7.40 7.50





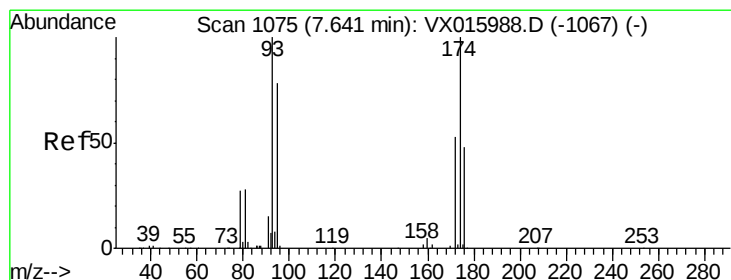
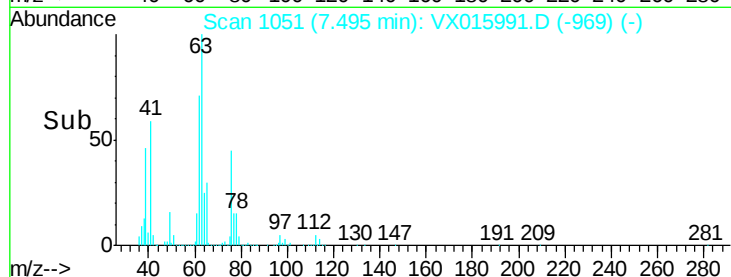
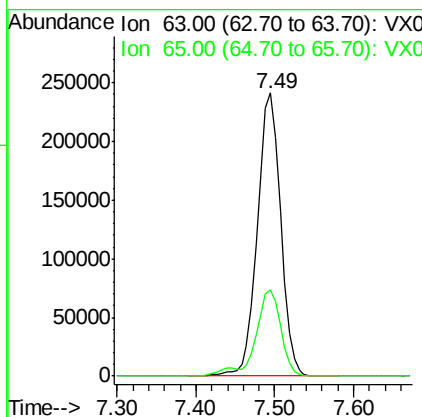
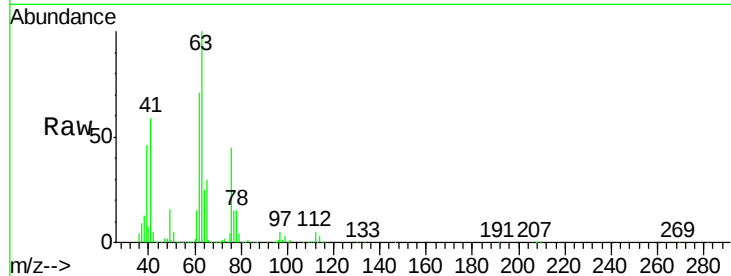
#39
 1,2-Dichloropropane
 Concen: 153.175 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.9	38.9

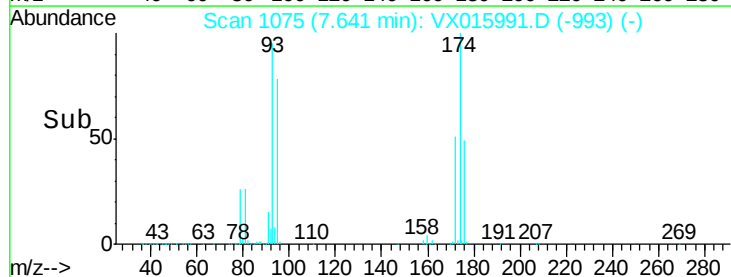
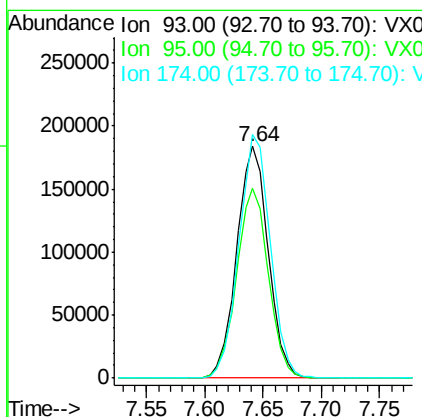
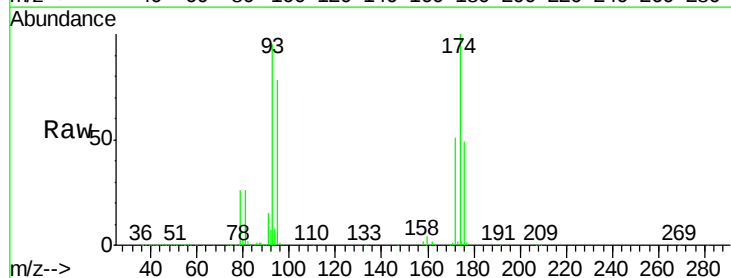
Manual Integrations
 APPROVED

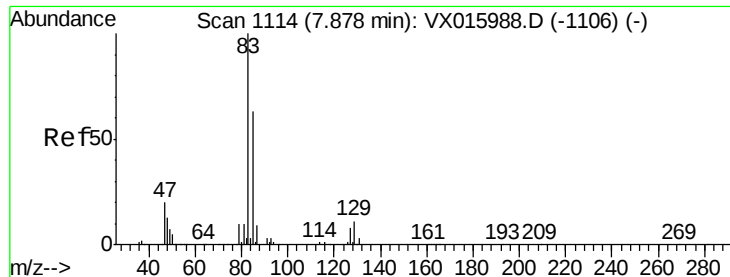
MMDadoda
 5/4/2020 3:10:16 PM



#40
 Dibromomethane
 Concen: 157.725 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	162.8
174	104.9	0.0	204.0





#41

Bromodichloromethane

Concen: 157.076 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

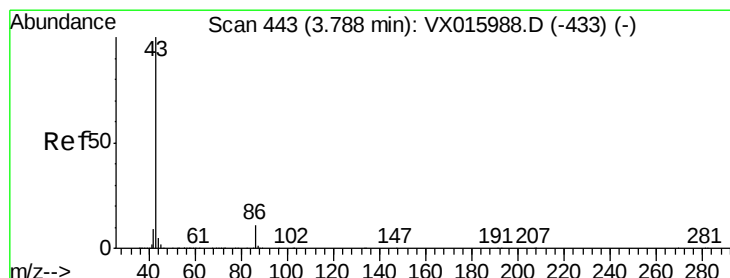
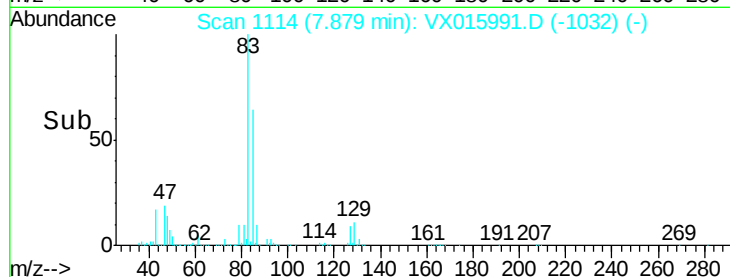
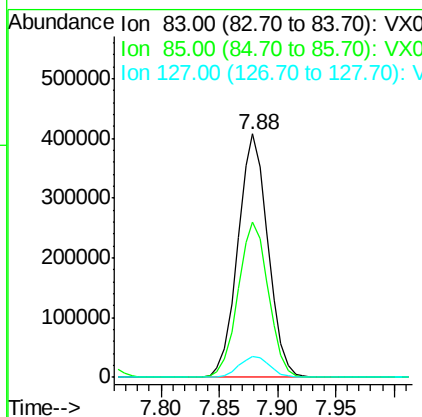
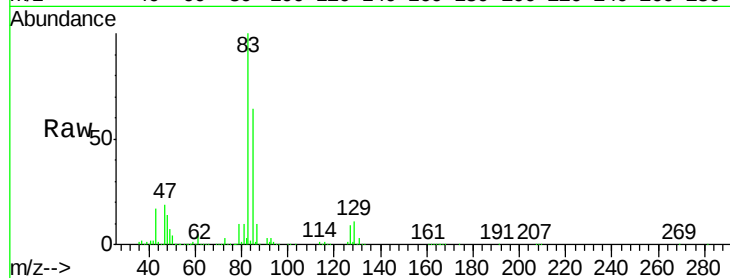
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	732265
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.4	75.6
127	8.8	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#42

Vinyl Acetate

Concen: 739.424 ug/l

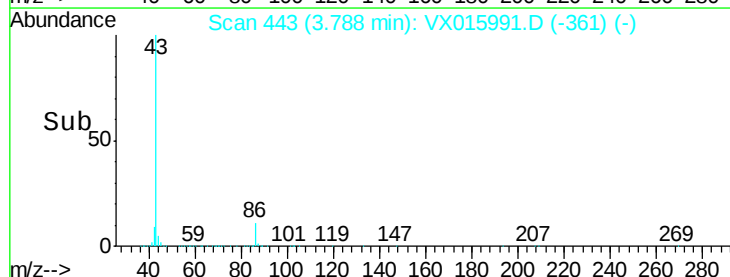
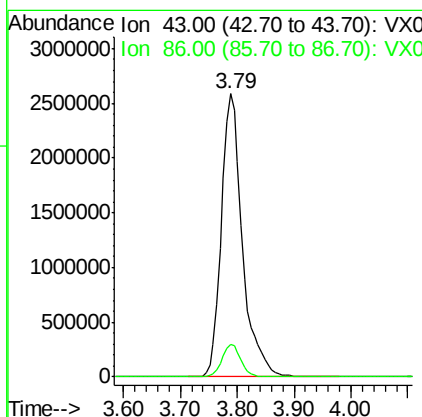
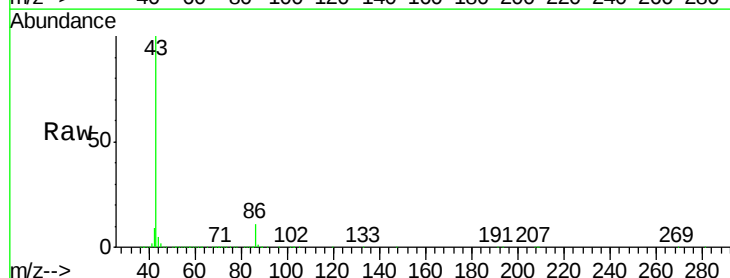
RT: 3.79 min Scan# 443

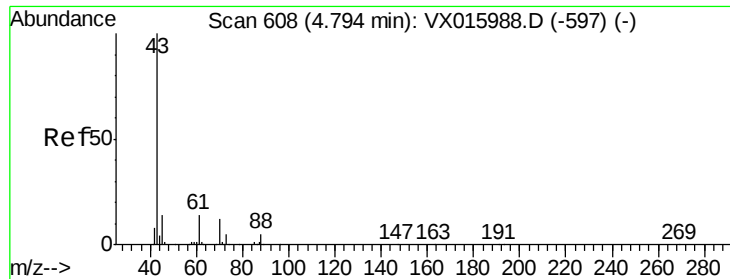
Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	43	Resp:	6630753
Ion Ratio	Lower	Upper	
43	100		
86	10.1	7.7	11.5





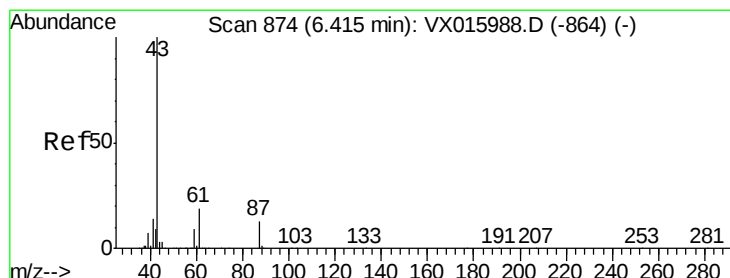
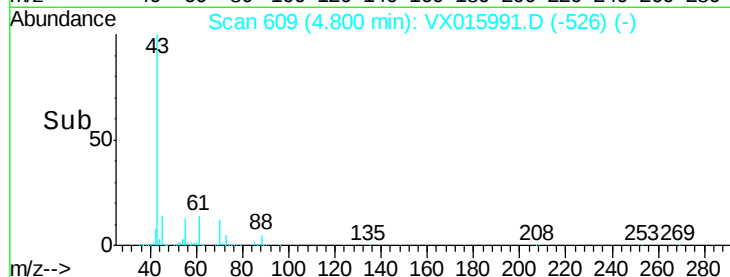
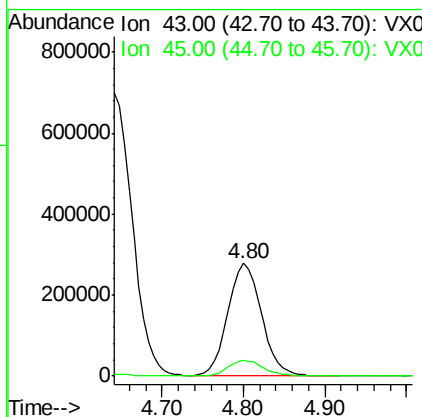
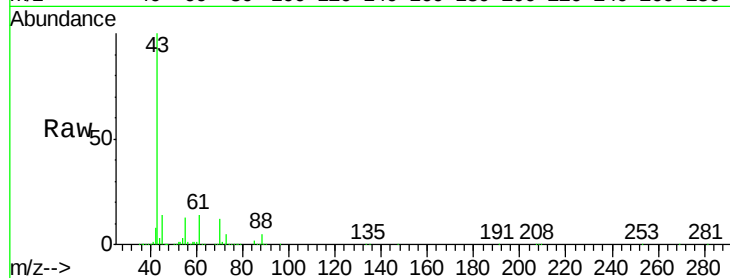
#43
Ethyl Acetate
Concen: 145.597 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	14.8	11.9	17.9	

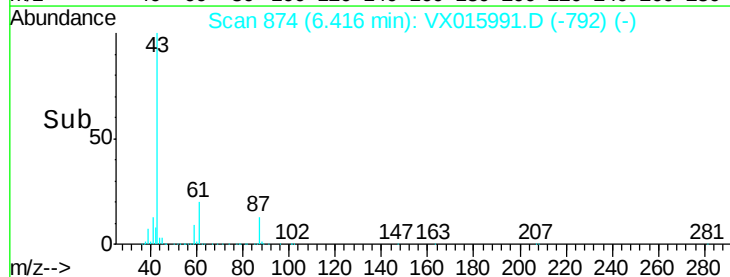
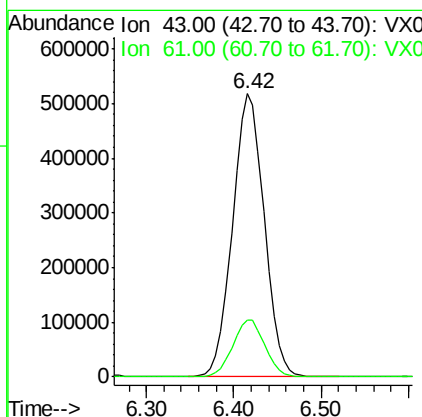
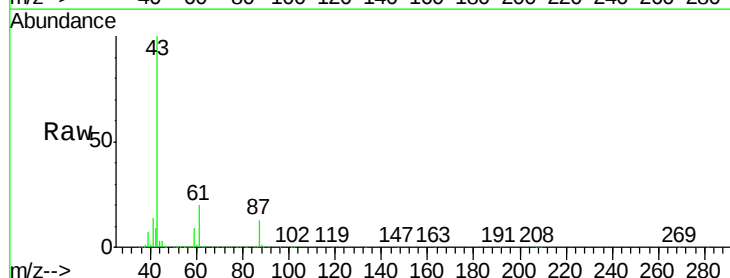
Manual Integrations
APPROVED

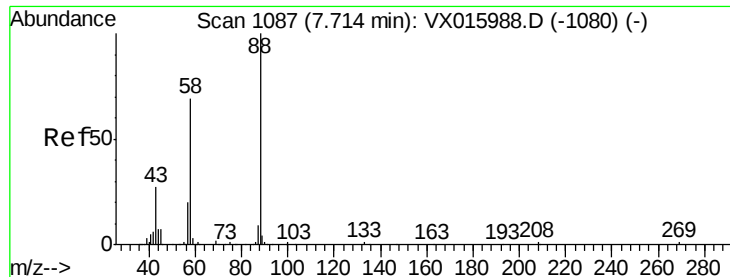
MMDadoda
5/4/2020 3:10:16 PM



#44
Isopropyl Acetate
Concen: 151.558 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	20.4	16.1	24.1	





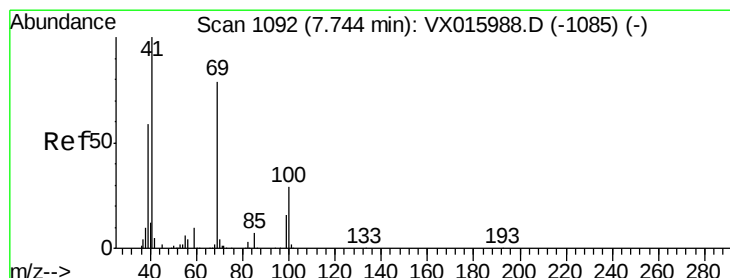
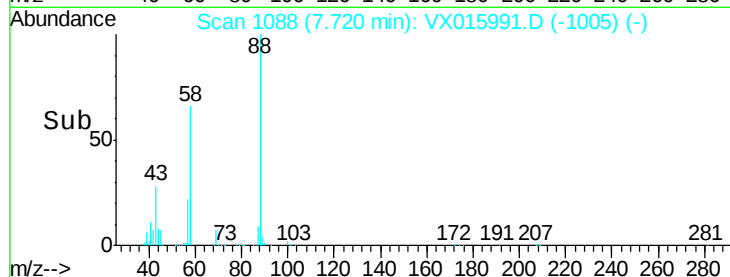
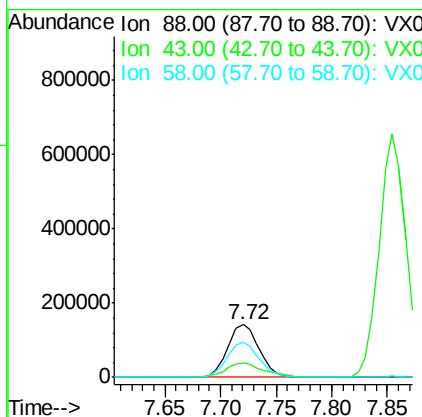
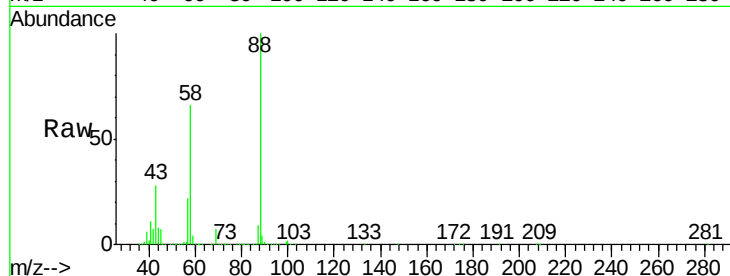
#45
 1,4-Dioxane
 Concen: 3357.999 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.3	39.5
58	68.8	57.0	85.6

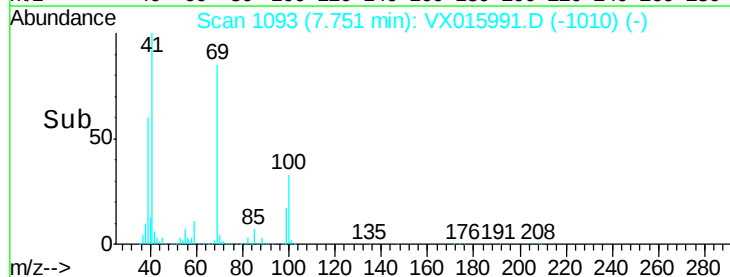
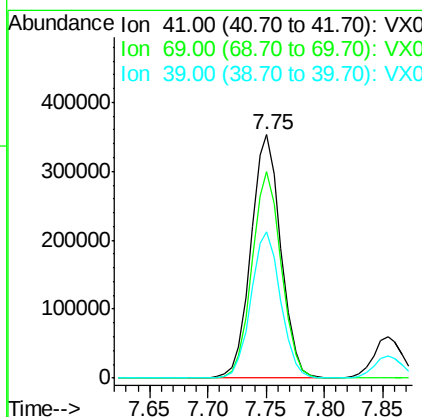
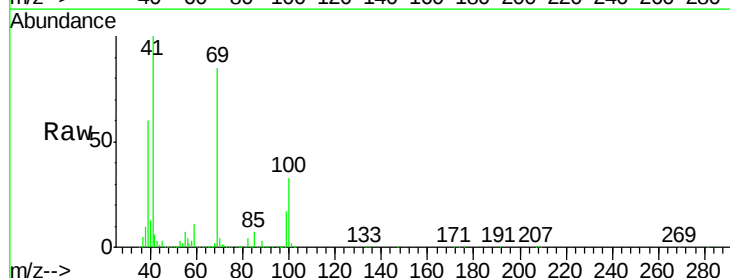
Manual Integrations
 APPROVED

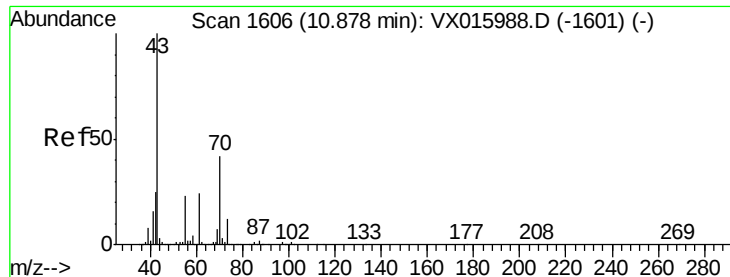
MMDadoda
 5/4/2020 3:10:16 PM



#46
 Methyl methacrylate
 Concen: 150.193 ug/l
 RT: 7.75 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.8	39.5	118.5
39	60.2	29.6	88.9





#47

n-amvl Acetate

Concen: 158.143 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1176490

Ion Ratio Lower Upper

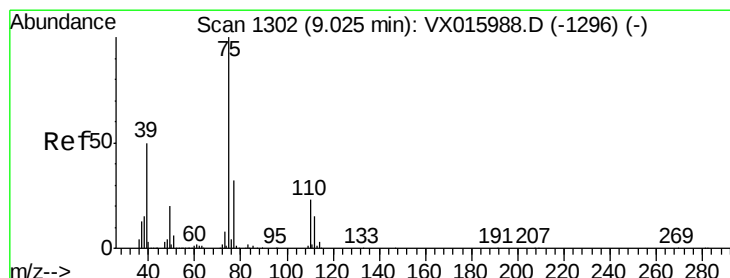
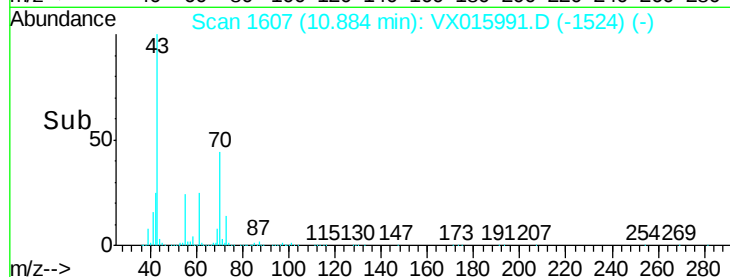
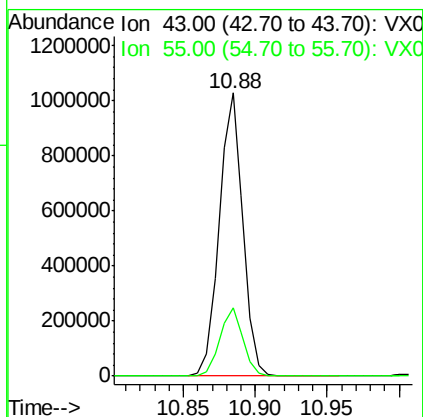
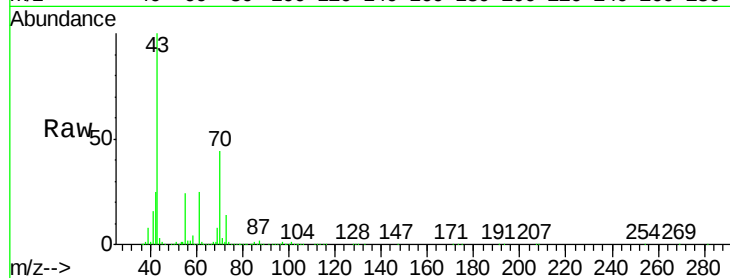
43 100

55 23.9 19.0 28.4

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#48

t-1,3-Dichloropropene

Concen: 160.764 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015991.D

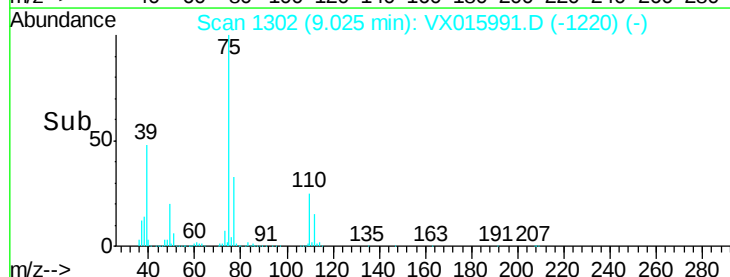
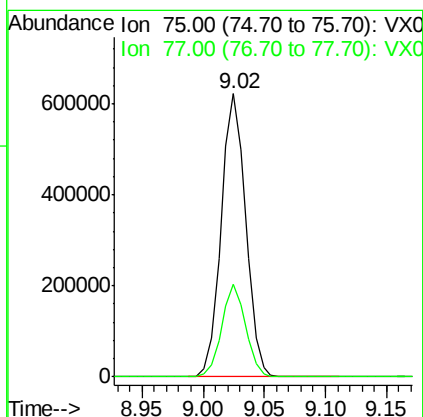
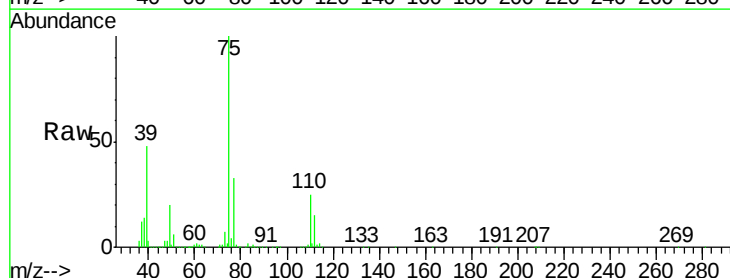
Acq: 30 Apr 2020 12:02

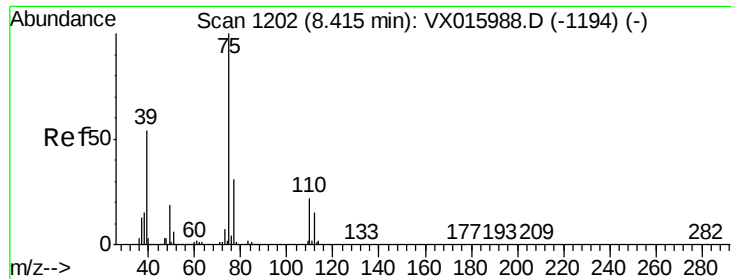
Tgt Ion: 75 Resp: 866527

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8





#49

cis-1,3-Dichloropropene

Concen: 157.978 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

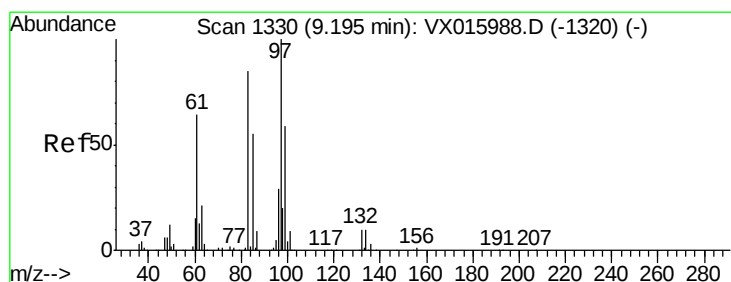
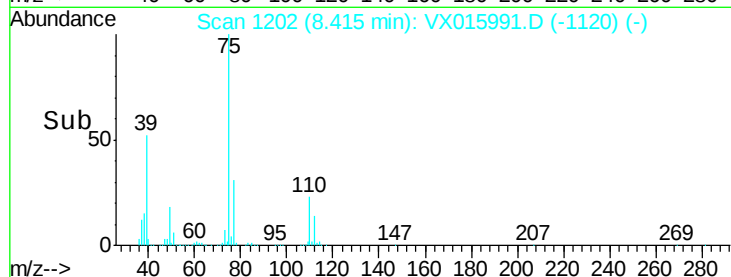
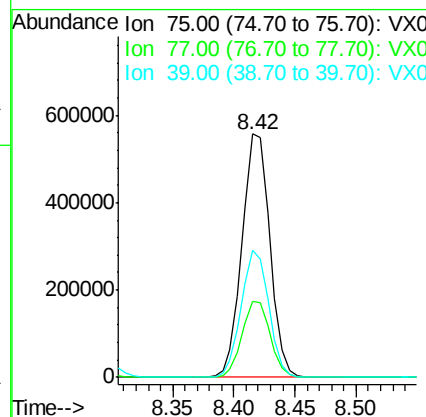
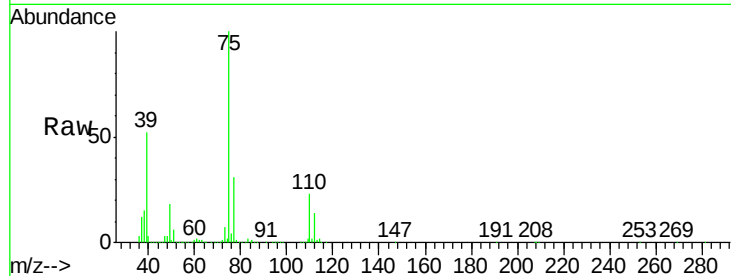
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	880080
Ion Ratio		Lower	Upper
75	100		
77	31.4	25.0	37.6
39	52.4	43.2	64.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#50

1,1,2-Trichloroethane

Concen: 162.021 ug/l

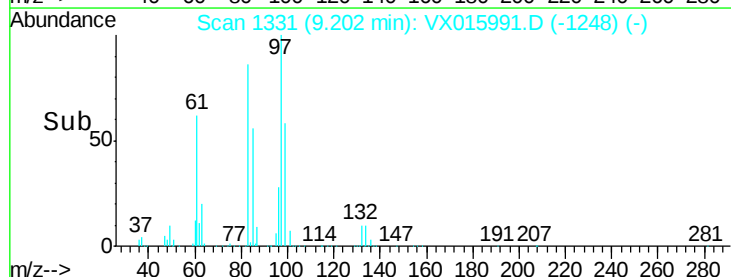
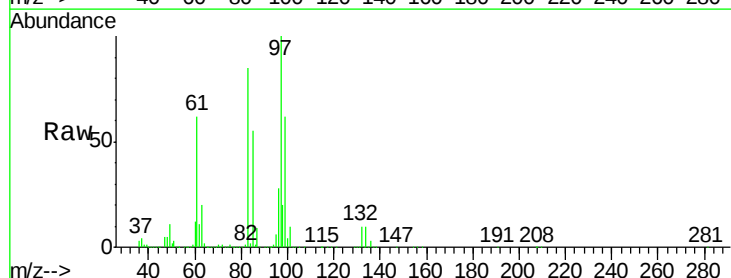
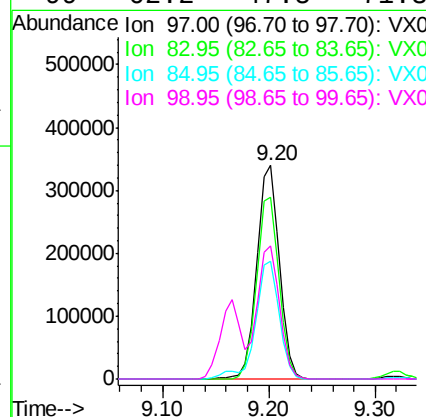
RT: 9.20 min Scan# 1331

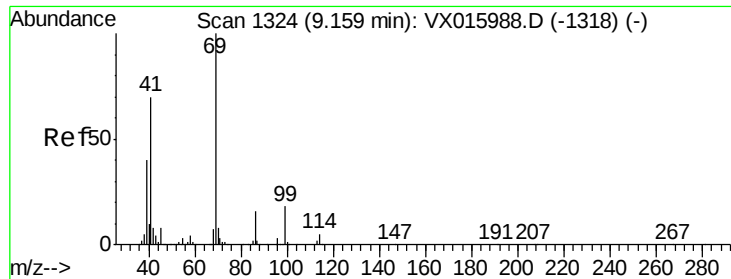
Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	97	Resp:	505522
Ion Ratio		Lower	Upper
97	100		
83	84.9	67.7	101.5
85	54.9	43.7	65.5
99	62.2	47.5	71.3





#51

Ethyl methacrylate

Concen: 165.169 ug/l

RT: 9.17 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

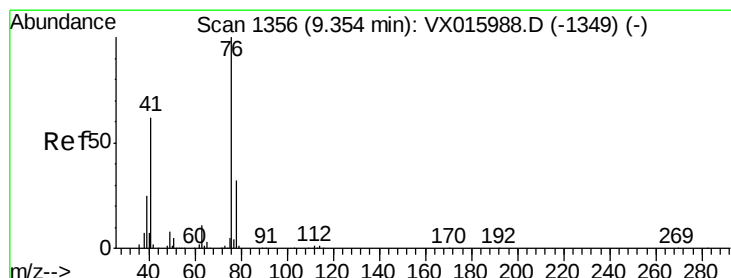
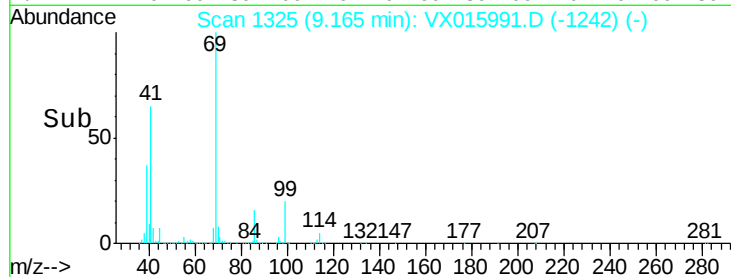
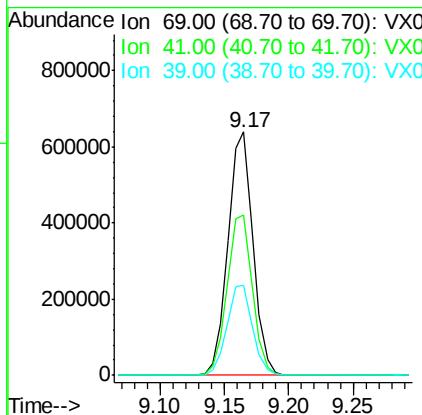
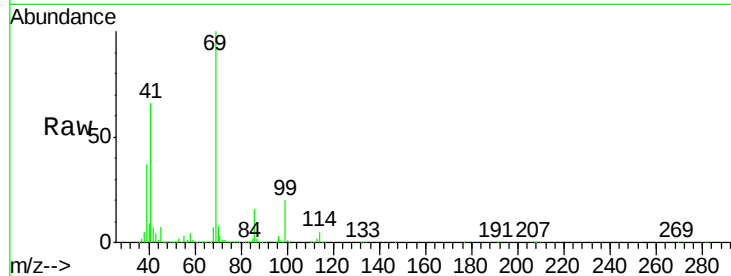
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	870273
Ion	Ratio	Lower	Upper
69	100		
41	65.6	34.8	104.4
39	37.0	19.8	59.4

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#52

1,3-Dichloropropane

Concen: 157.884 ug/l

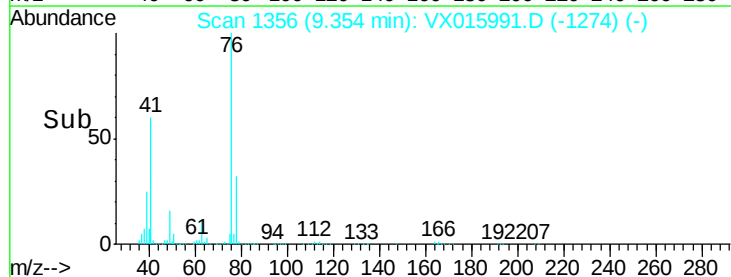
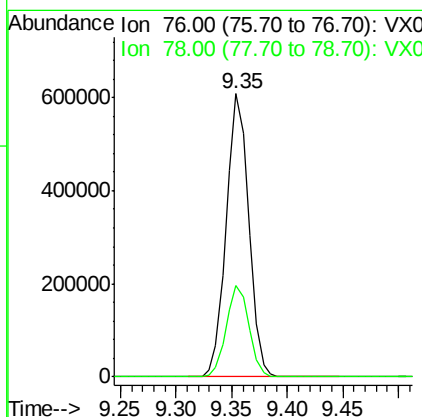
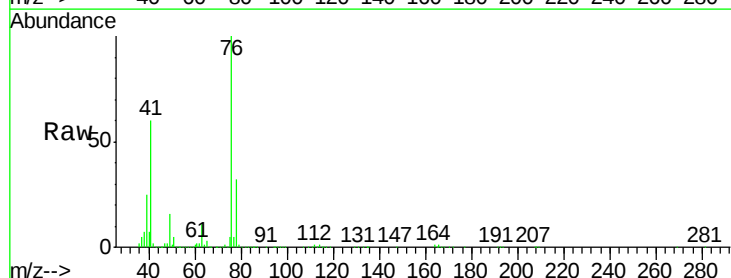
RT: 9.35 min Scan# 1356

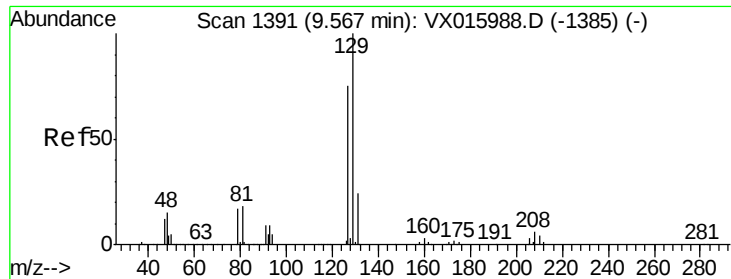
Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	76	Resp:	851848
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.2





#53

Dibromochloromethane

Concen: 160.427 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 599784

Ion Ratio Lower Upper

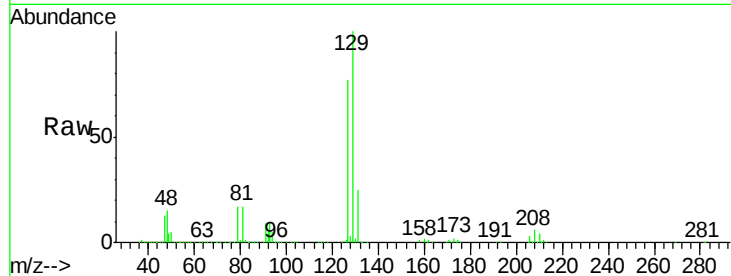
129 100

127 76.8 38.3 114.9

Manual Integrations
APPROVED

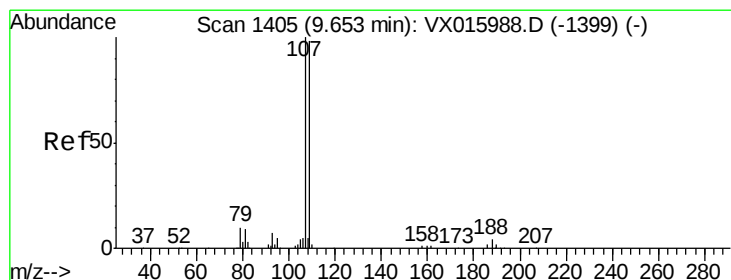
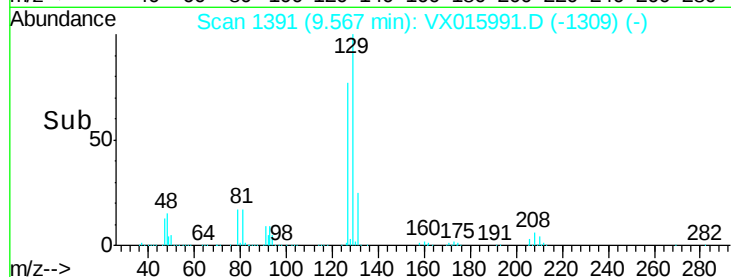
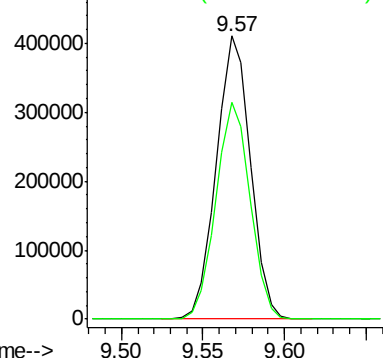
MMDadoda

5/4/2020 3:10:16 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 164.666 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX015991.D

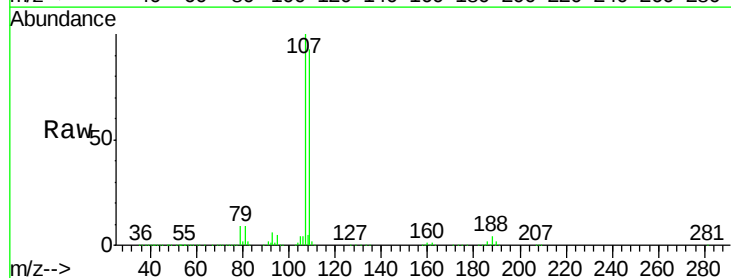
Acq: 30 Apr 2020 12:02

Tgt Ion:107 Resp: 556962

Ion Ratio Lower Upper

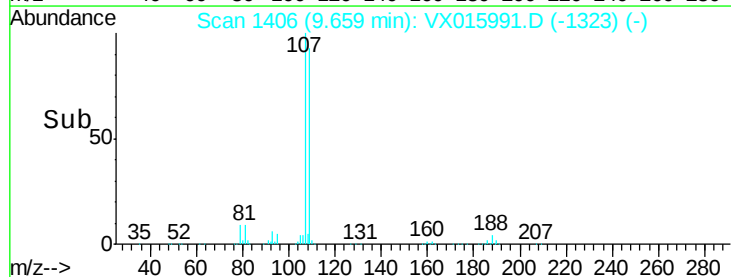
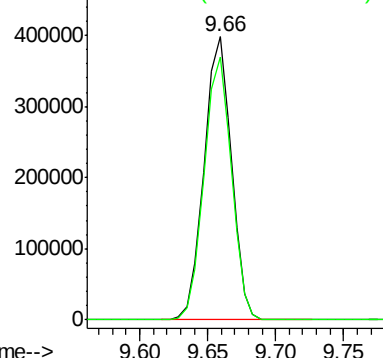
107 100

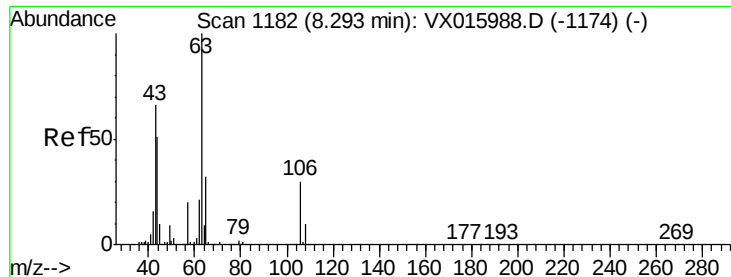
109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 850.594 ug/l

RT: 8.30 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 2190337

Ion Ratio Lower Upper

63 100

65 32.6 25.6 38.4

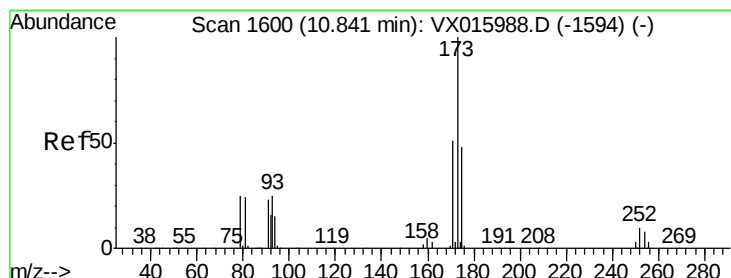
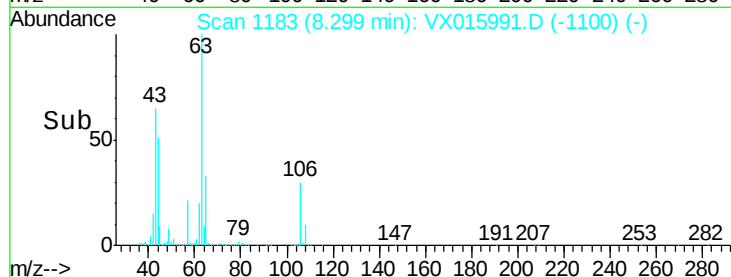
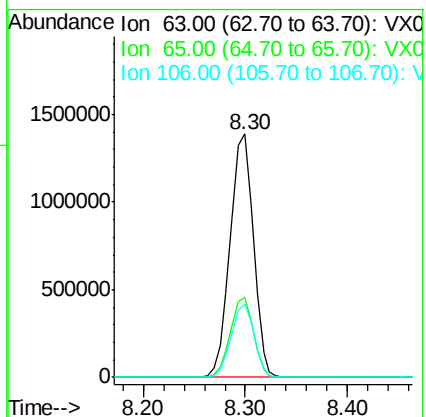
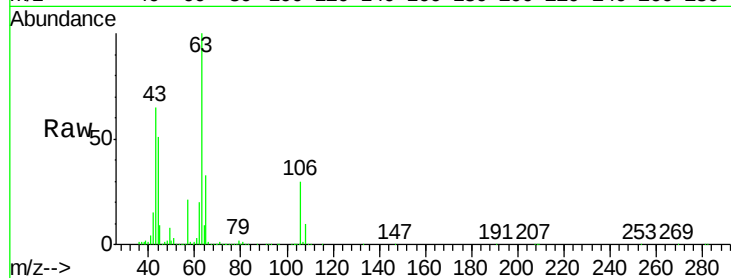
106 29.6 23.4 35.0

Manual Integrations

APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#56

Bromoform

Concen: 159.594 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

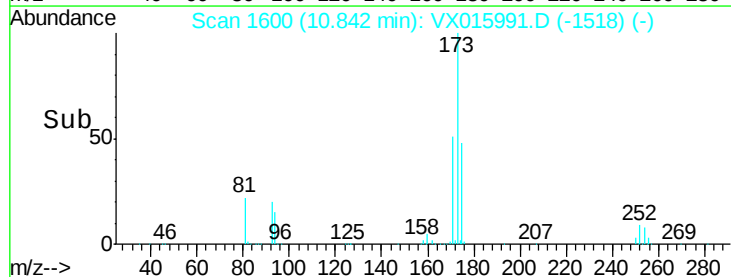
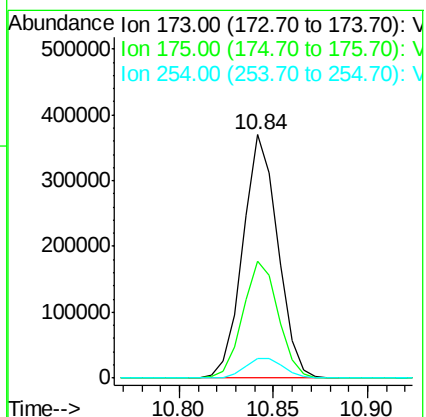
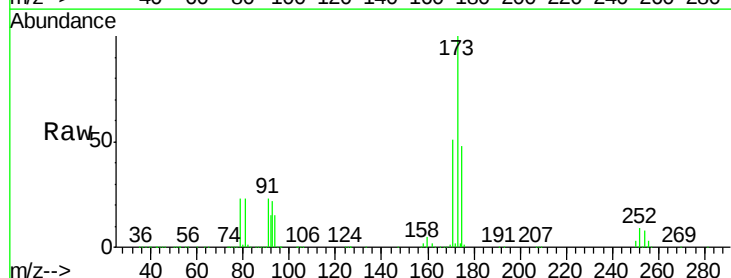
Tgt Ion: 173 Resp: 474479

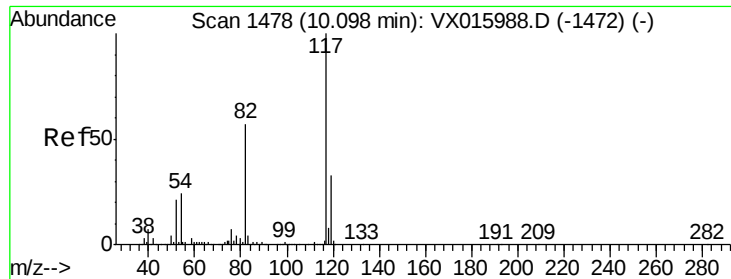
Ion Ratio Lower Upper

173 100

175 48.8 38.0 57.0

254 9.1 6.8 10.2





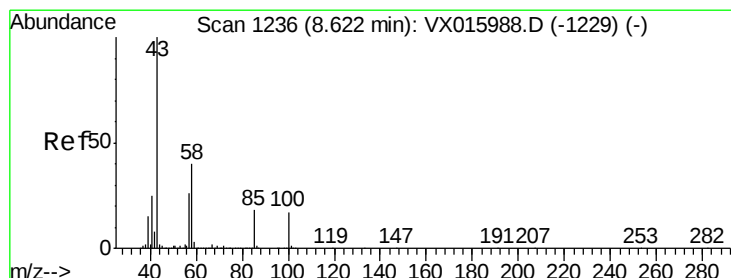
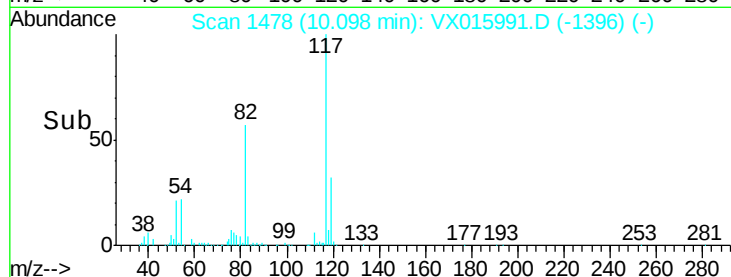
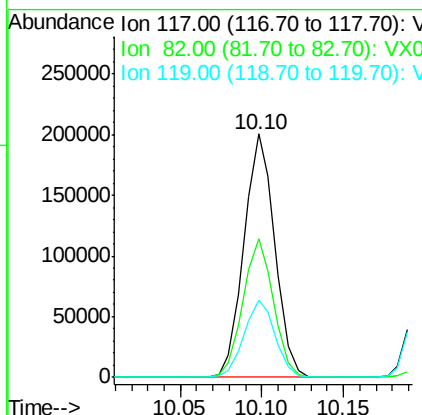
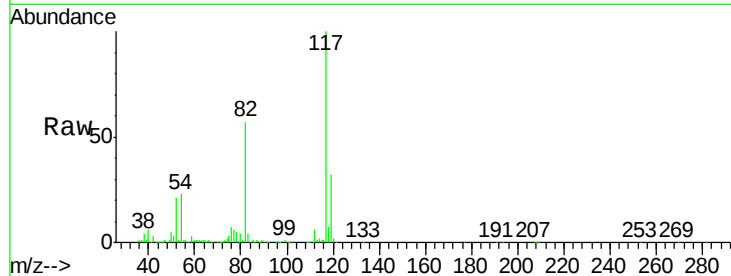
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.1	67.7
119	32.1	25.6	38.4

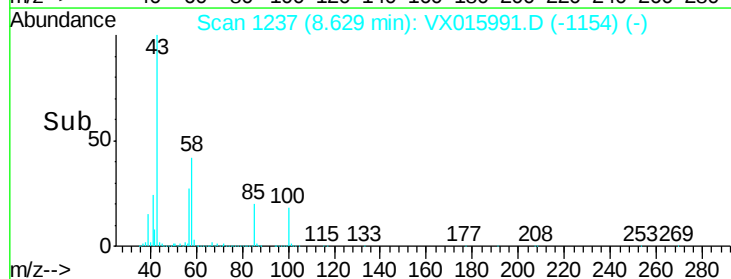
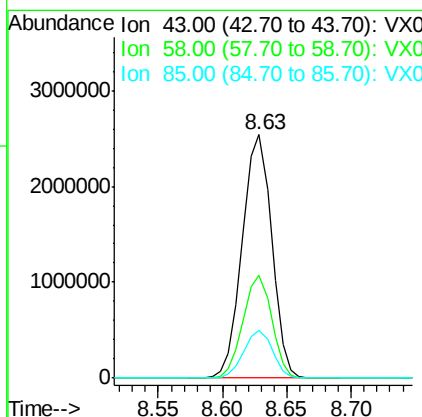
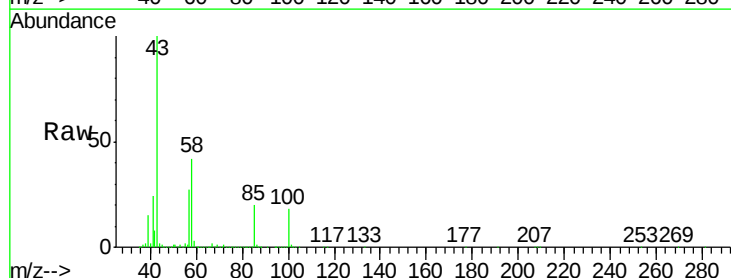
Manual Integrations
APPROVED

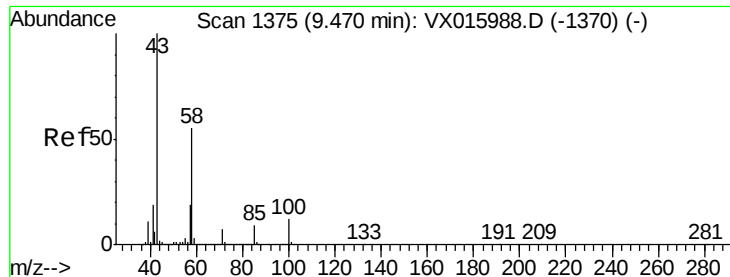
MMDadoda
5/4/2020 3:10:16 PM



#58
4-Methyl-2-Pentanone
Concen: 798.766 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.8	47.6
85	19.2	14.5	21.7





#59

2-Hexanone

Concen: 813.142 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3128296

Ion Ratio Lower Upper

43 100

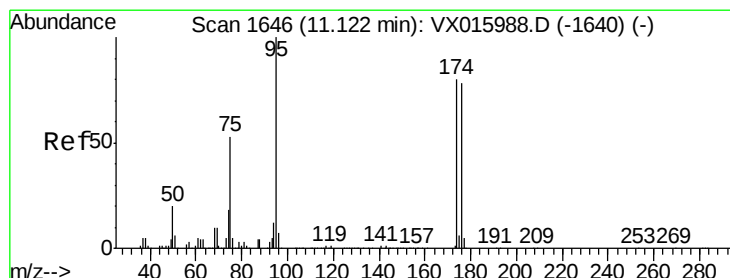
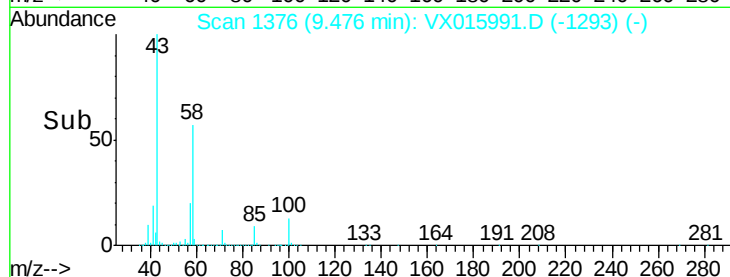
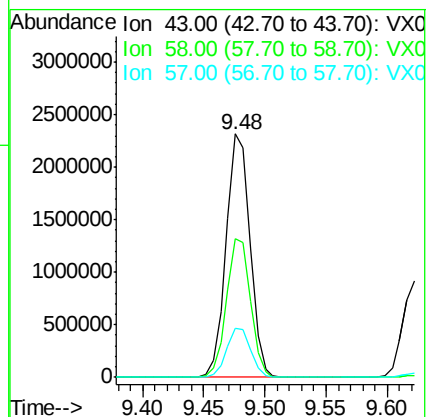
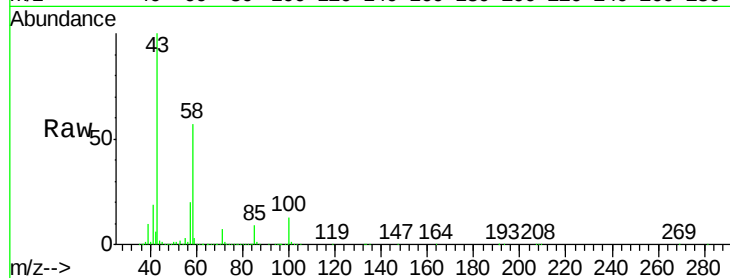
58 57.2 44.0 66.0

57 20.3 15.5 23.3

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#60

4-Bromofluorobenzene

Concen: 30.617 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

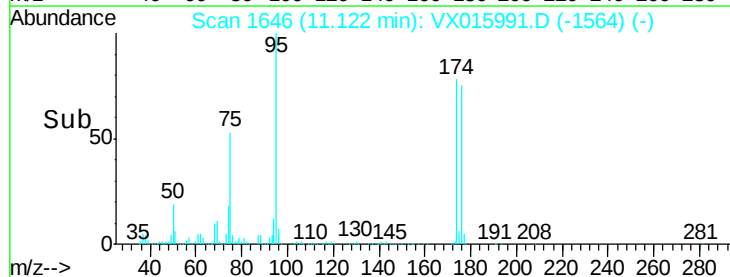
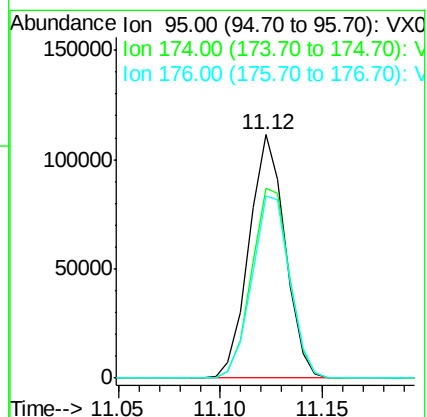
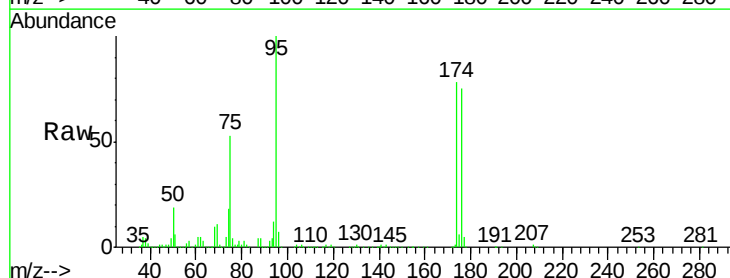
Tgt Ion: 95 Resp: 136886

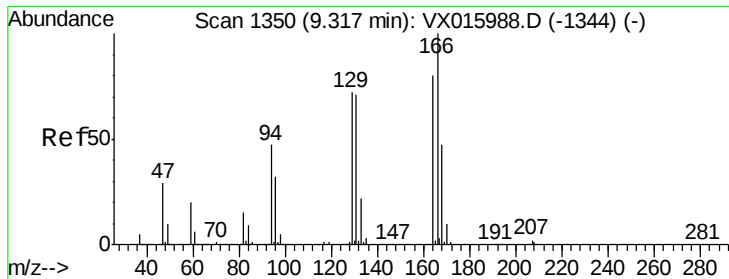
Ion Ratio Lower Upper

95 100

174 81.9 64.8 97.2

176 78.6 62.4 93.6





#61

Tetrachloroethene

Concen: 180.587 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 744311

Ion Ratio Lower Upper

164 100

166 123.0 100.1 150.1

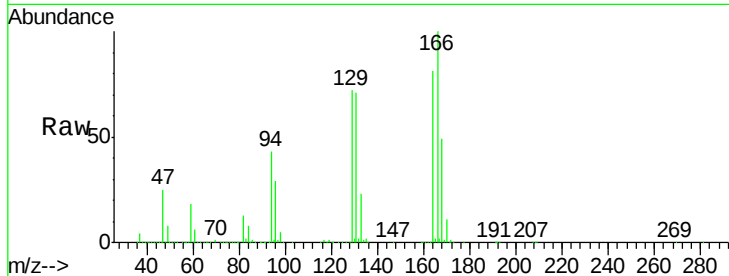
129 89.0 72.2 108.4

131 86.8 71.3 106.9

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM

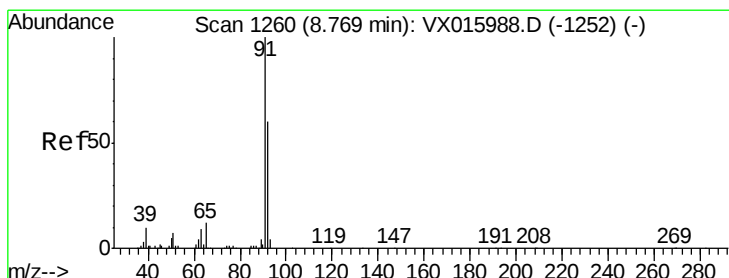
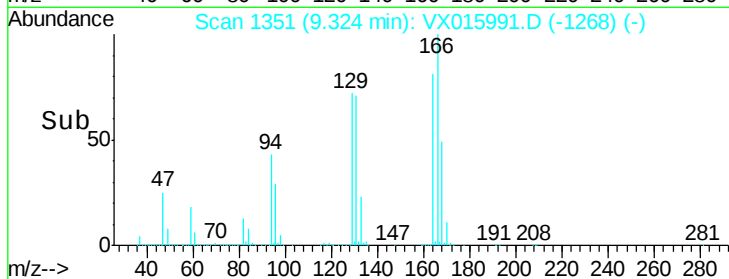
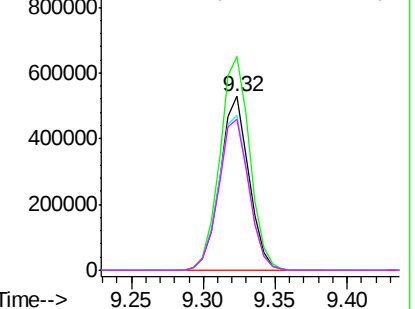


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 155.054 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015991.D

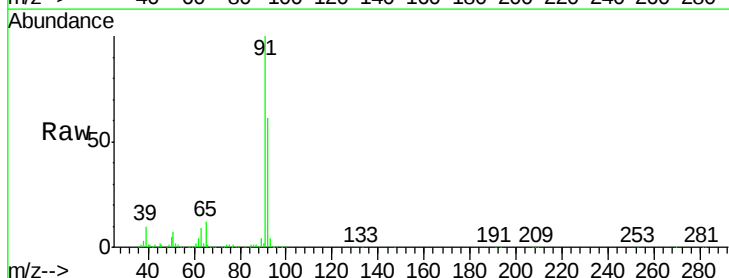
Acq: 30 Apr 2020 12:02

Tgt Ion: 91 Resp: 2095437

Ion Ratio Lower Upper

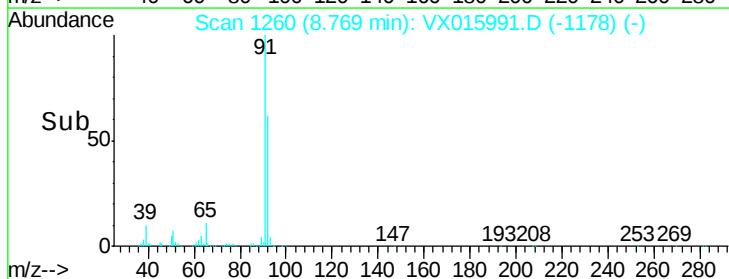
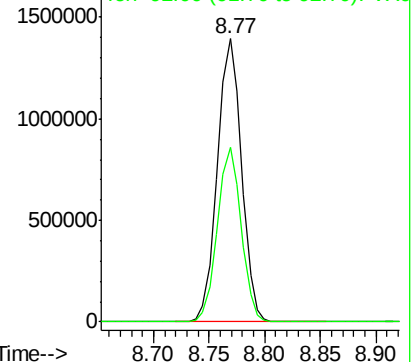
91 100

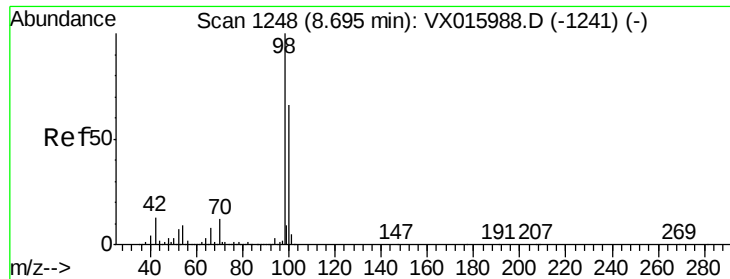
92 60.6 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.644 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 332988

Ion Ratio Lower Upper

98 100

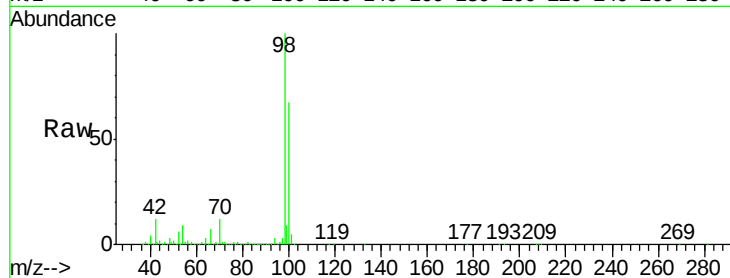
100 66.3 52.5 78.7

Manual Integrations

APPROVED

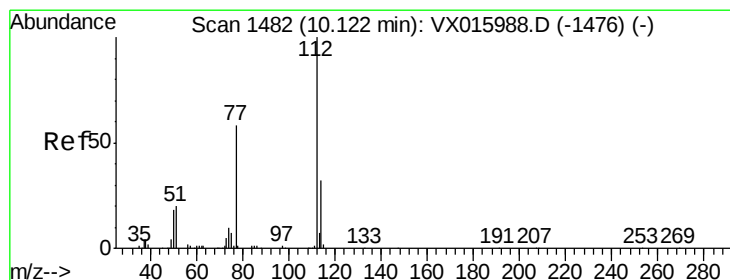
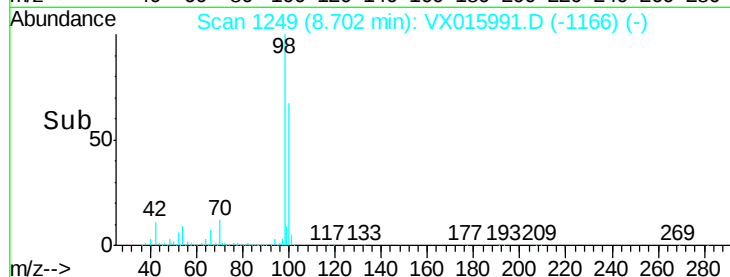
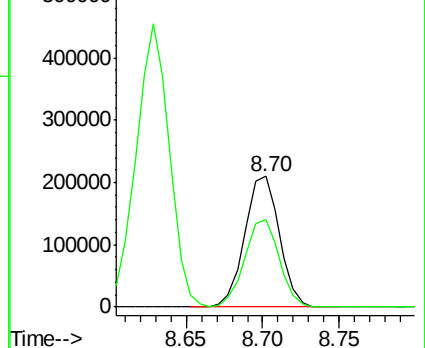
MMDadoda

5/4/2020 3:10:16 PM



Abundance Ion 98.00 (97.70 to 98.70): VX015988.D (-1241) (-)

Ion 100.00 (99.70 to 100.70): VX015988.D (-1241) (-)



#64

Chlorobenzene

Concen: 156.669 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015991.D

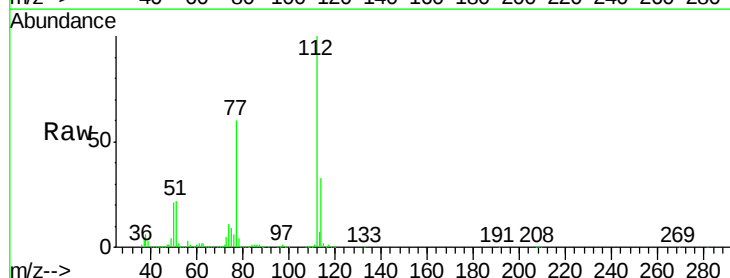
Acq: 30 Apr 2020 12:02

Tgt Ion: 112 Resp: 1361005

Ion Ratio Lower Upper

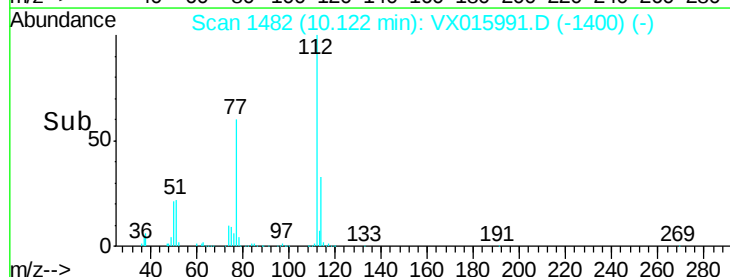
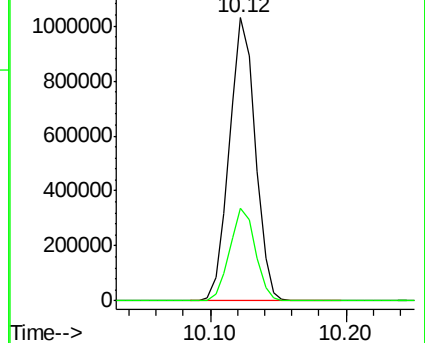
112 100

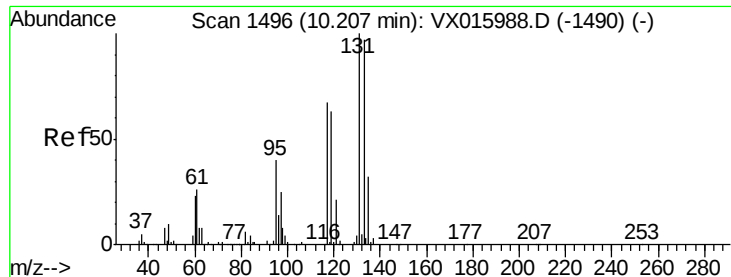
114 32.6 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): VX015988.D (-1476) (-)

Ion 114.00 (113.70 to 114.70): VX015988.D (-1476) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 153.413 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

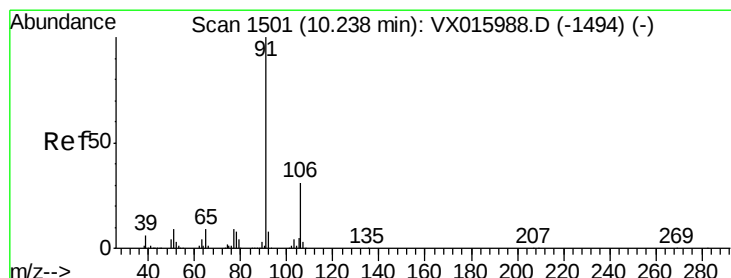
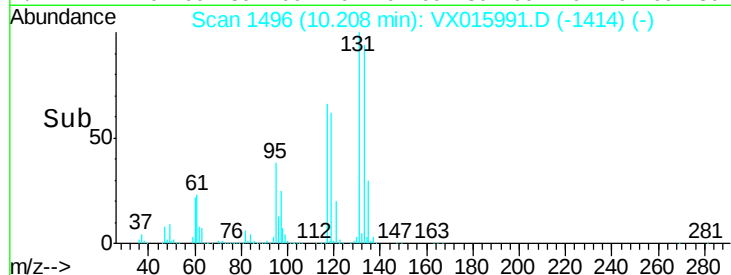
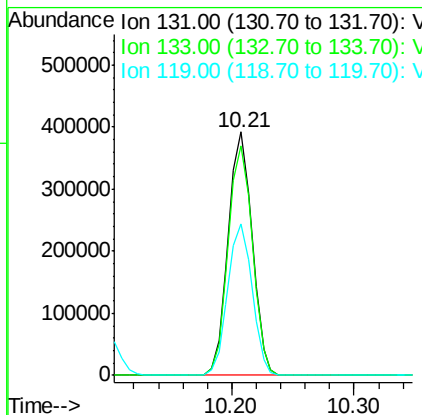
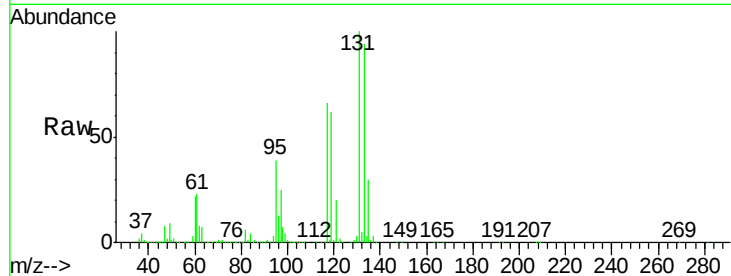
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	530413
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	187.0
119	63.4	0.0	129.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#66

Ethyl Benzene

Concen: 159.115 ug/l

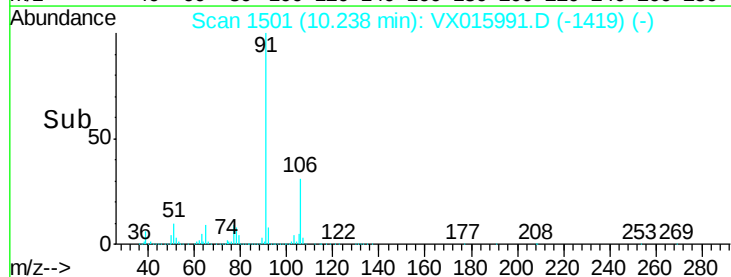
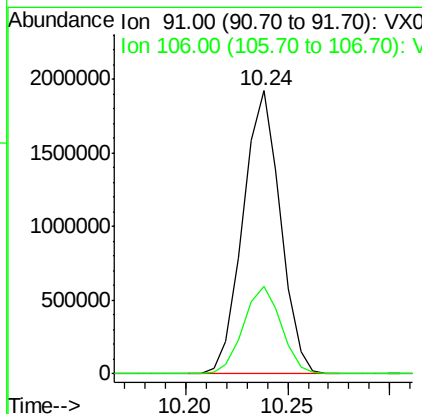
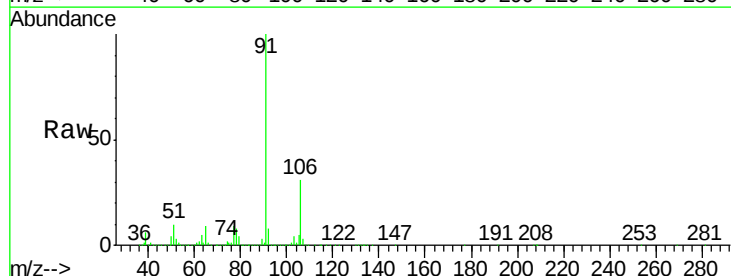
RT: 10.24 min Scan# 1501

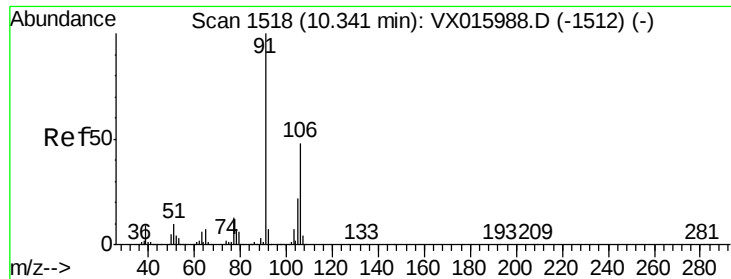
Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	91	Resp:	2446837
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.8	37.2





#67

m/p-Xvlenes

Concen: 322.193 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1885918

Ion Ratio Lower Upper

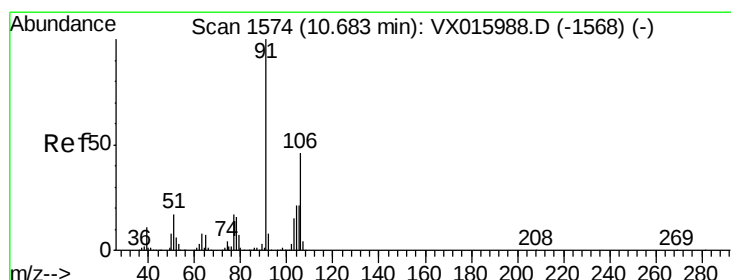
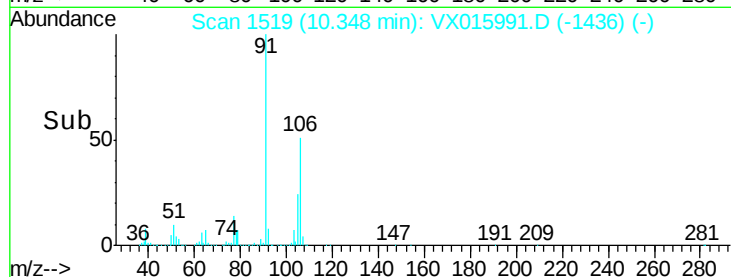
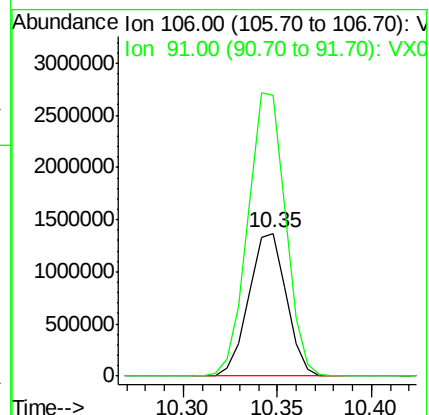
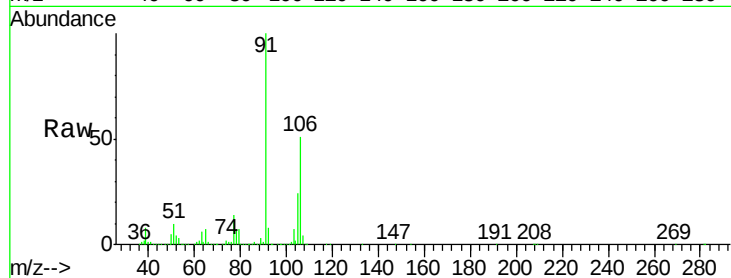
106 100

91 199.6 164.2 246.4

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



#68

o-Xylene

Concen: 162.334 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX015991.D

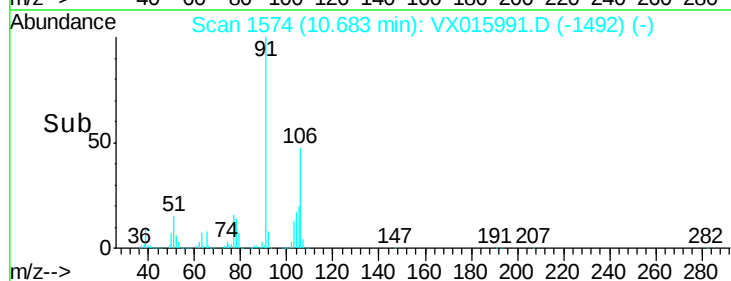
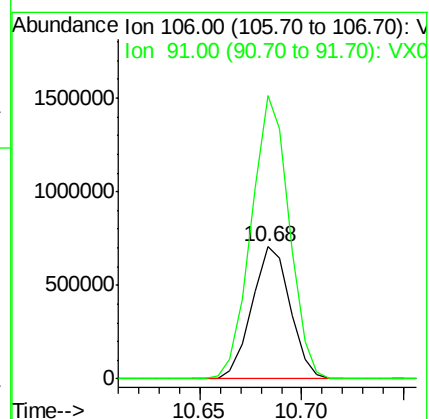
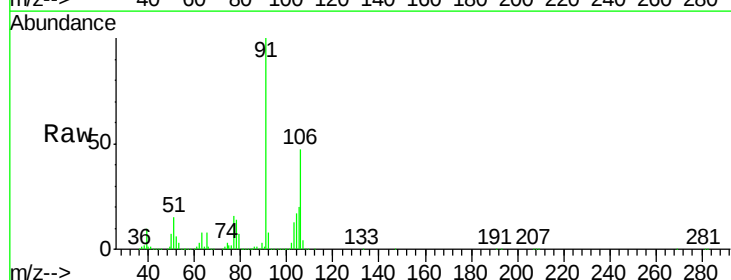
Acq: 30 Apr 2020 12:02

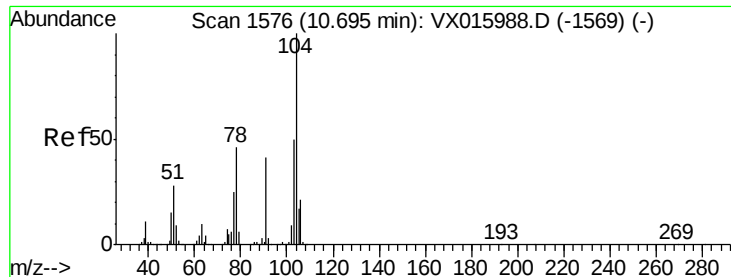
Tgt Ion:106 Resp: 921408

Ion Ratio Lower Upper

106 100

91 211.9 108.3 325.0





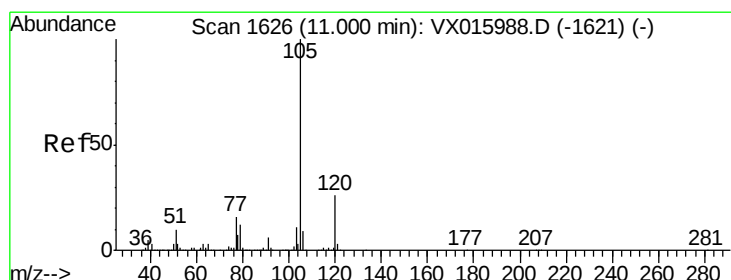
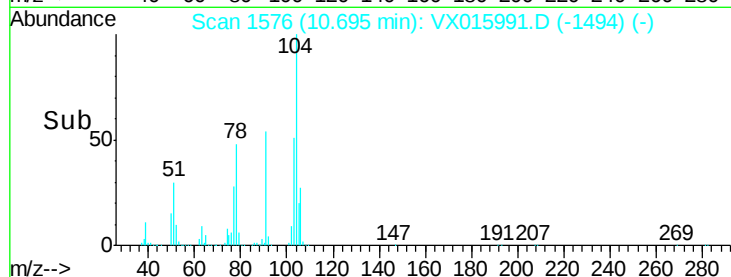
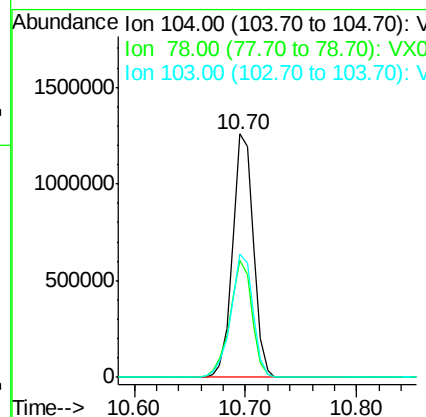
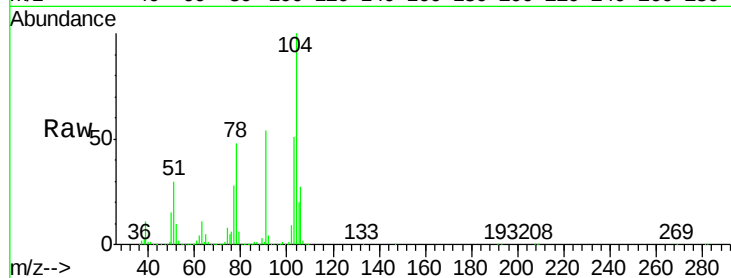
#69
Stvrene
Concen: 164.937 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.7	61.1
103	54.0	43.0	64.4

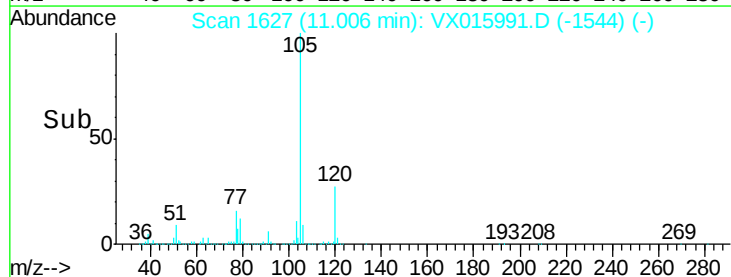
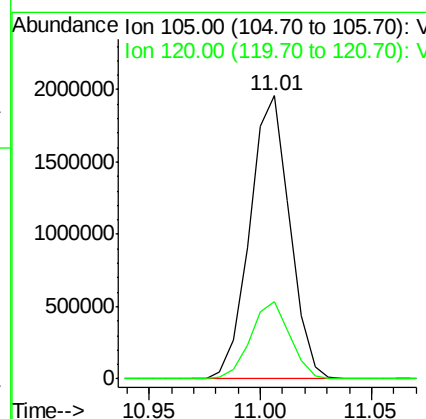
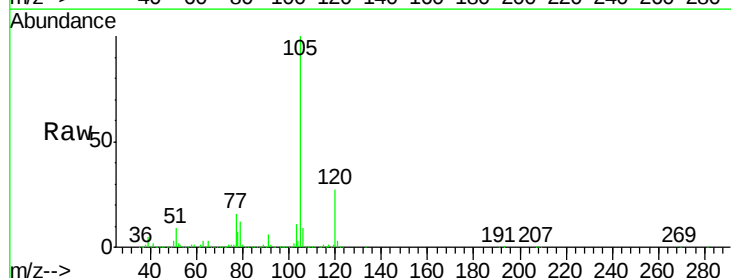
Manual Integrations
APPROVED

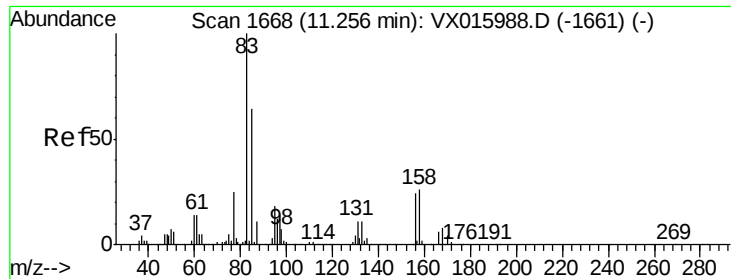
MMDadoda
5/4/2020 3:10:16 PM



#70
Isopropylbenzene
Concen: 161.716 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.5





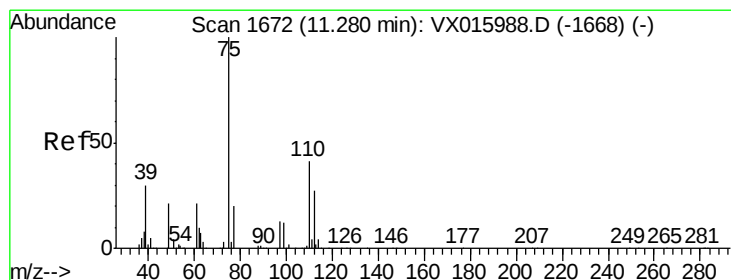
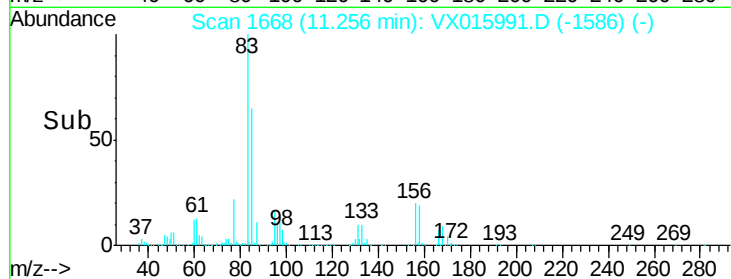
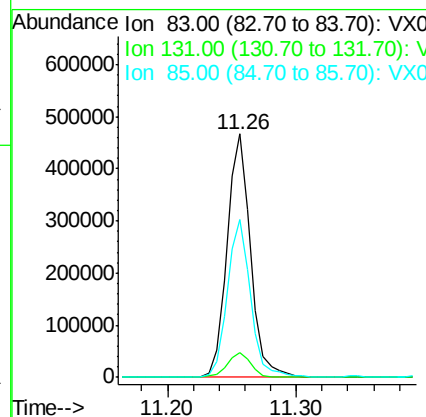
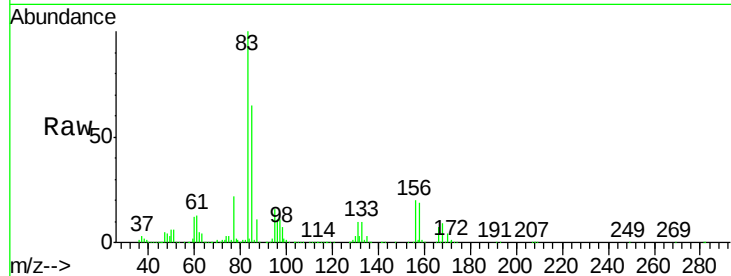
#71
 1,1,2,2-Tetrachloroethane
 Concen: 149.316 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	598339		
131	10.3	5.2	15.6	
85	64.4	33.0	98.9	

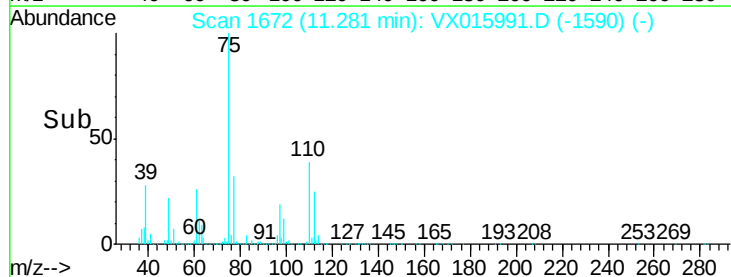
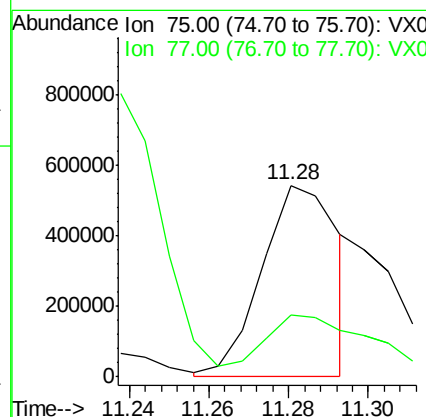
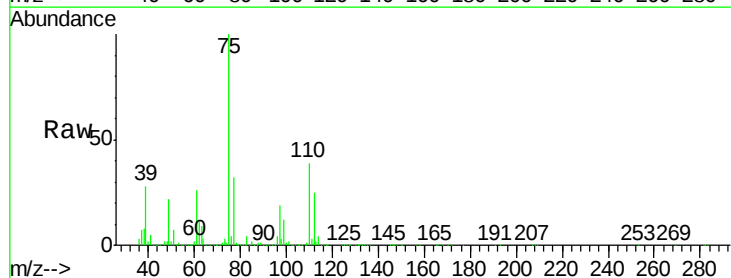
Manual Integrations
 APPROVED

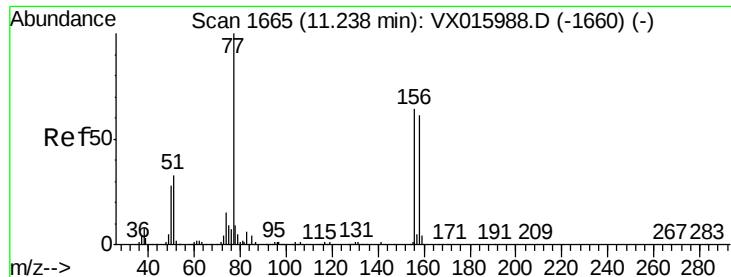
MMDadoda
 5/4/2020 3:10:16 PM



#72
 1,2,3-Trichloropropane
 Concen: 157.040 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	724037		
77	46.0	0.0	86.0	





#73

Bromobenzene

Concen: 156.397 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

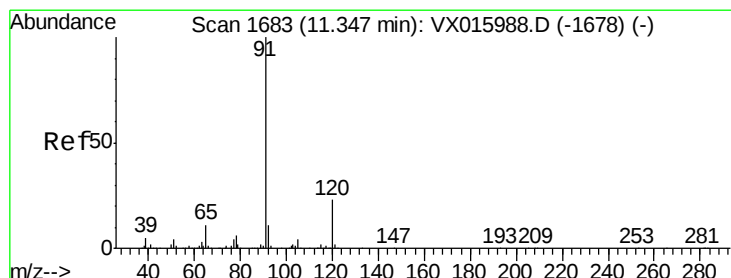
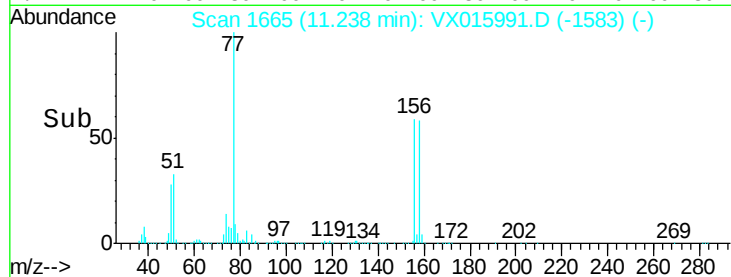
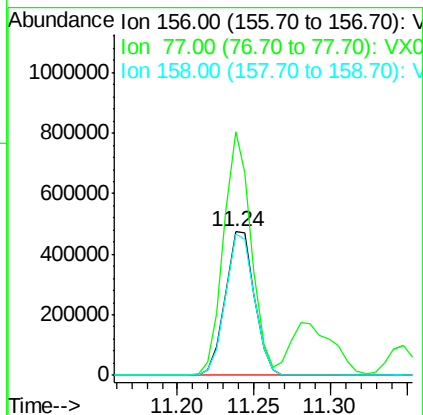
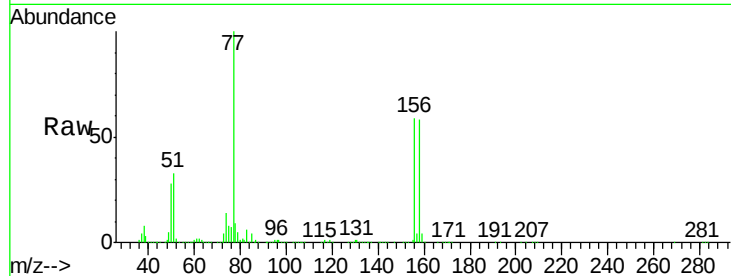
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	624944
Ion Ratio	Lower	Upper	
156	100		
77	160.6	0.0	318.0
158	97.5	0.0	193.2

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#74

n-propylbenzene

Concen: 161.949 ug/l

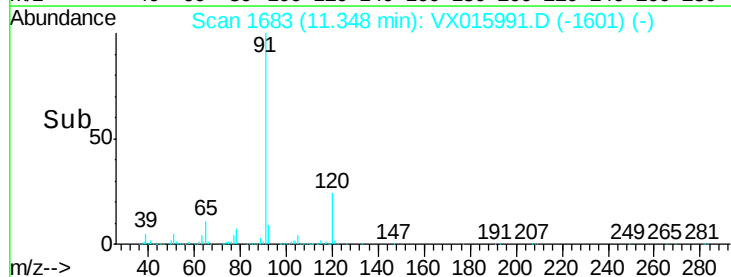
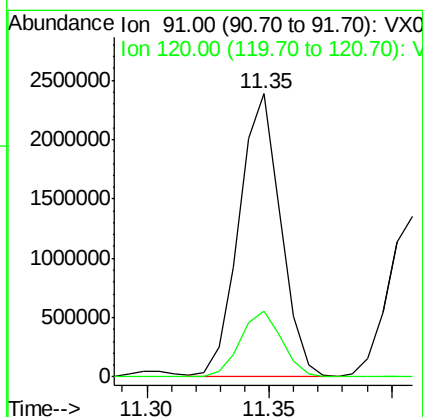
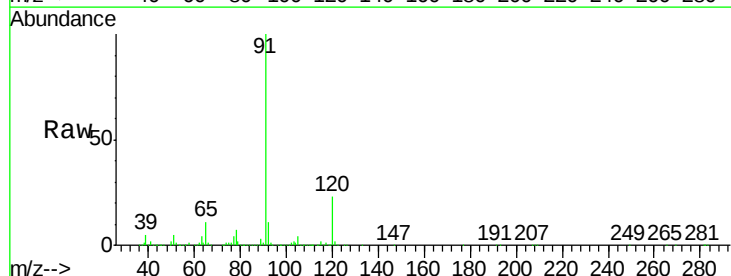
RT: 11.35 min Scan# 1683

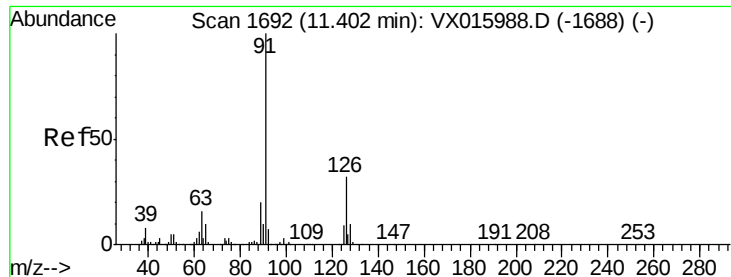
Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	91	Resp:	2823920
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	45.4





#75

2-Chlorotoluene

Concen: 159.095 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1667340

Ion Ratio Lower Upper

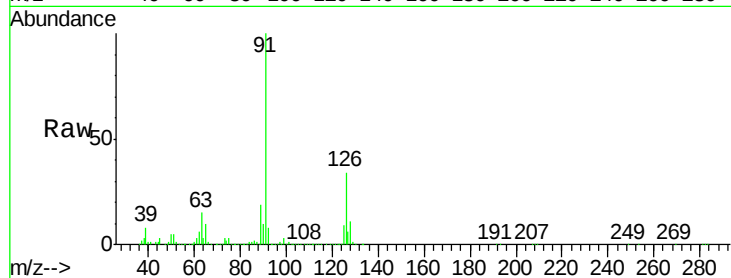
91 100

126 33.7 0.0 66.2

Manual Integrations
APPROVED

MMDadoda

5/4/2020 3:10:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX015988.D (-1688) (-)

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

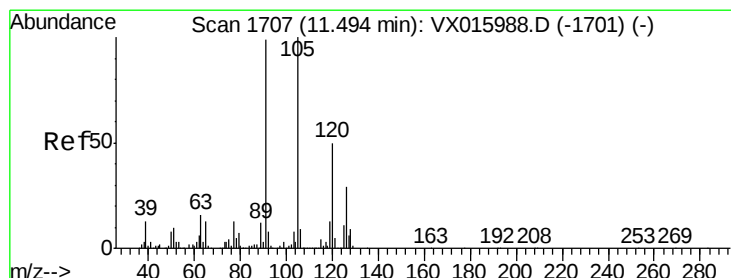
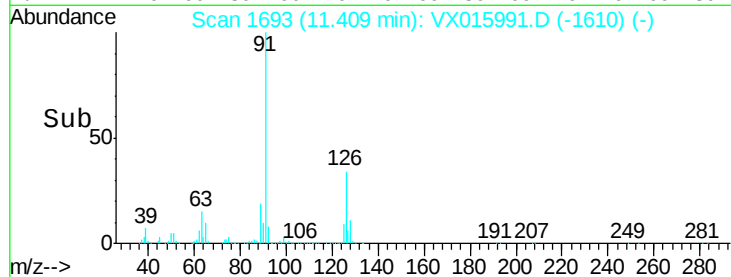
Time-->

Time-->

Time-->

Time-->

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 164.300 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015991.D

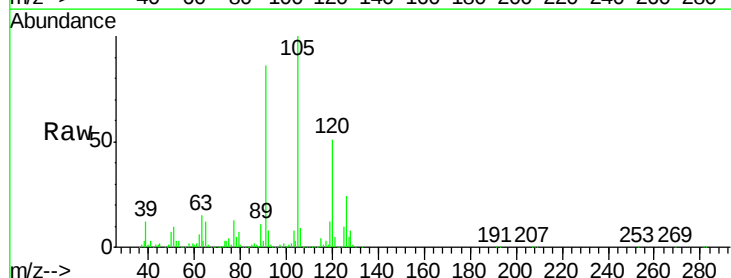
Acq: 30 Apr 2020 12:02

Tgt Ion:105 Resp: 2123235

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015988.D (-1701) (-)

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

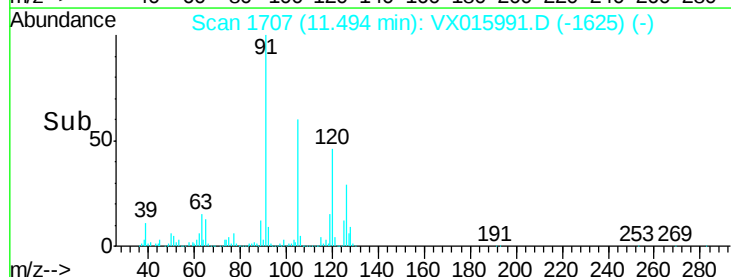
Time-->

Time-->

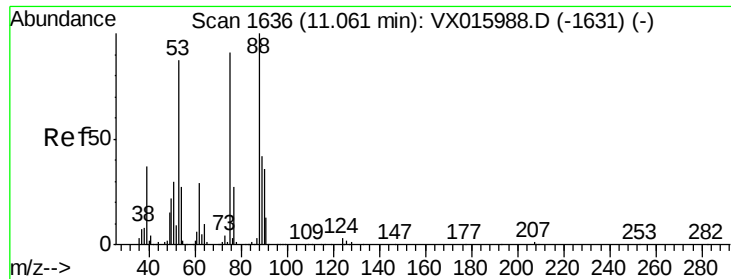
Time-->

Time-->

Time-->



Time-->



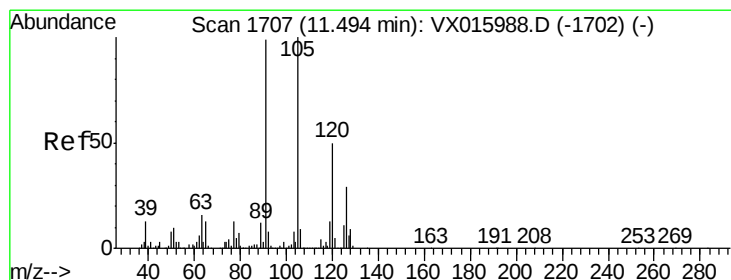
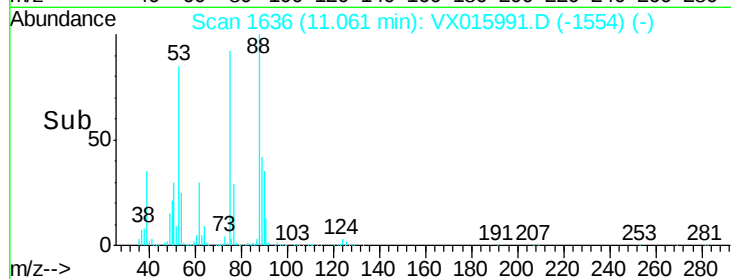
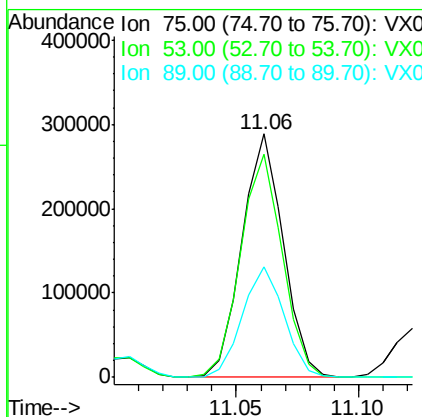
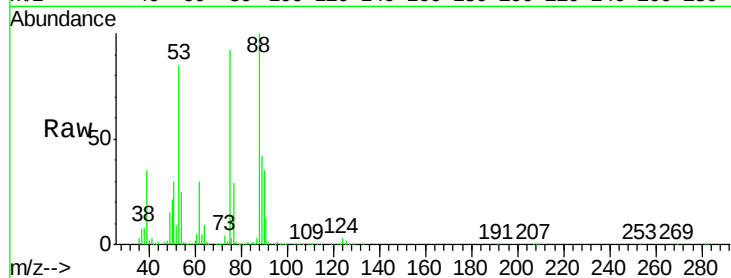
#77
t-1,4-Dichloro-2-butene
Concen: 171.157 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	48.0	144.2
89	45.0	23.4	70.3

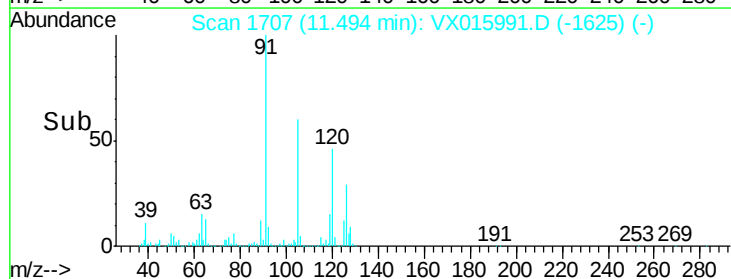
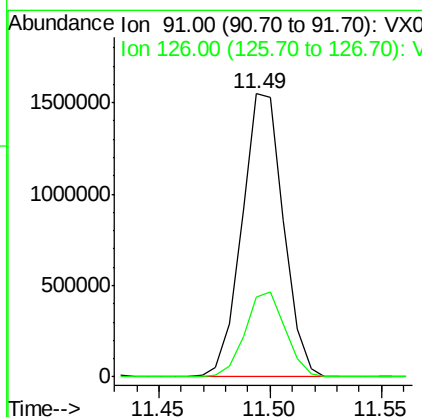
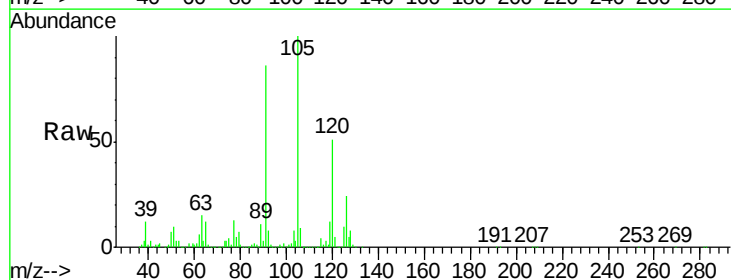
Manual Integrations
APPROVED

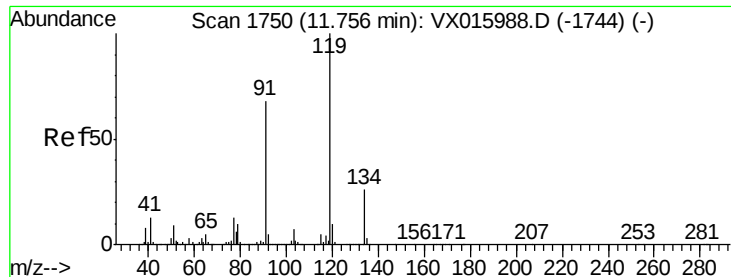
MMDadoda
5/4/2020 3:10:16 PM



#78
4-Chlorotoluene
Concen: 164.676 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	0.0	58.4





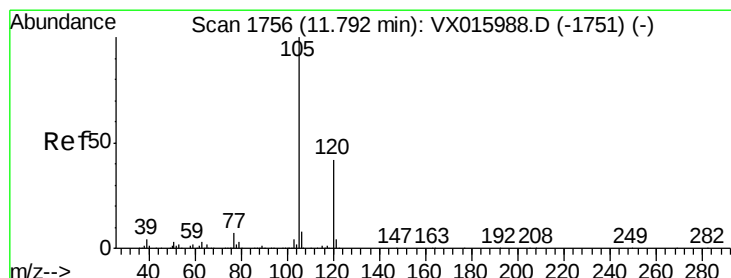
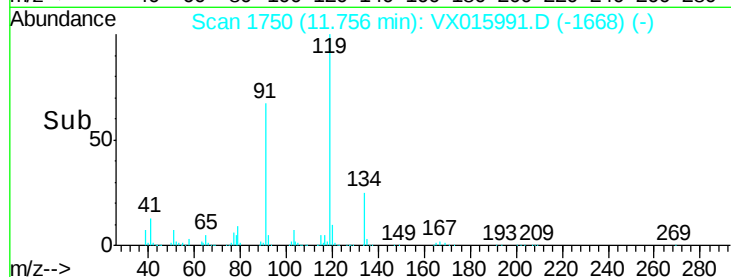
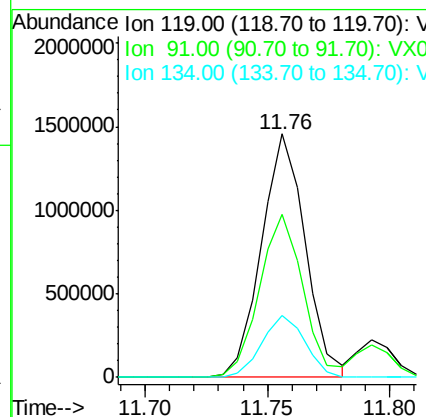
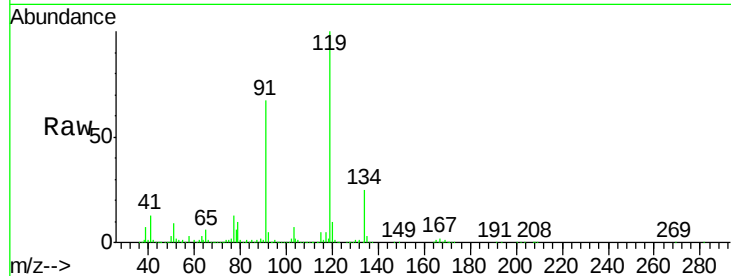
#79
tert-butylbenzene
Concen: 148.094 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	0.0	135.6
134	25.3	0.0	51.0

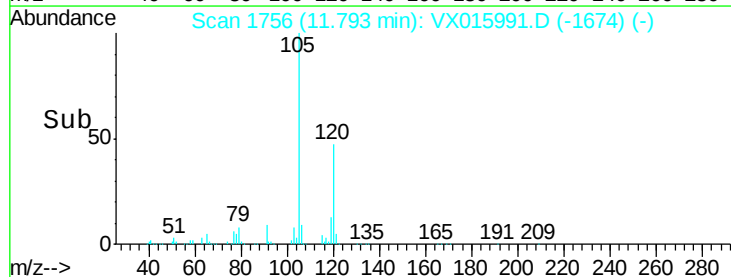
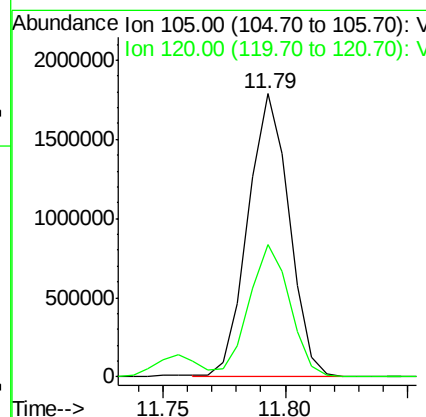
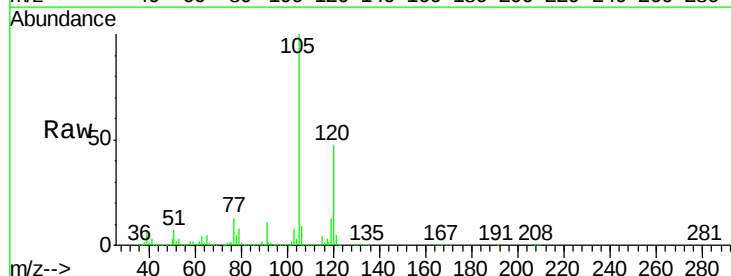
Manual Integrations
APPROVED

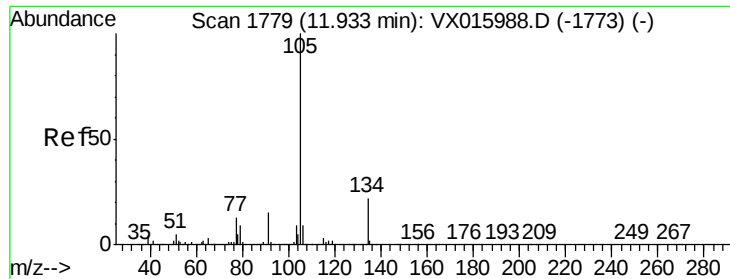
MMDadoda
5/4/2020 3:10:16 PM



#80
1,2,4-Trimethylbenzene
Concen: 161.201 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	91.0





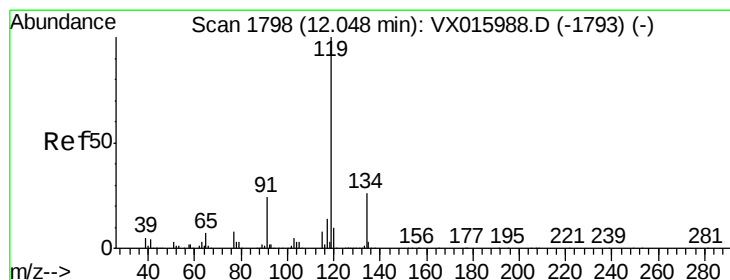
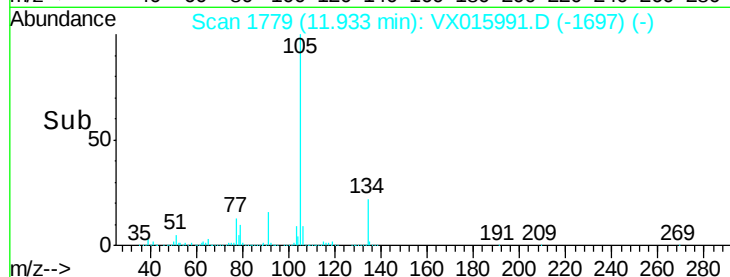
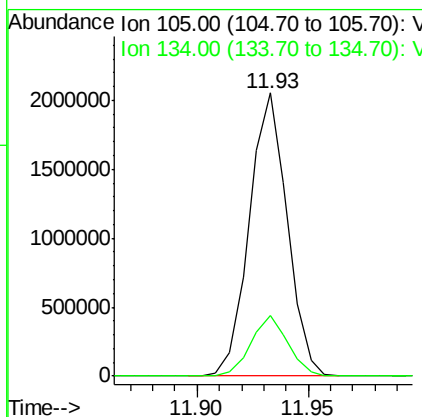
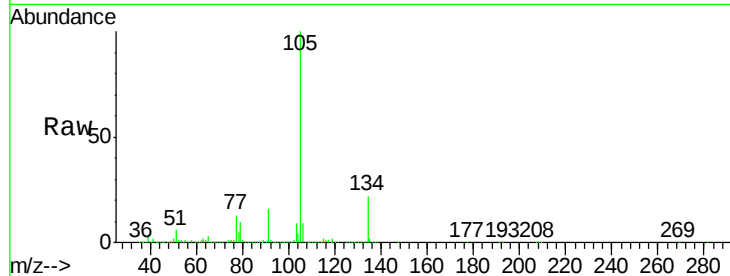
#81
 sec-Butylbenzene
 Concen: 164.008 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2438155
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.2

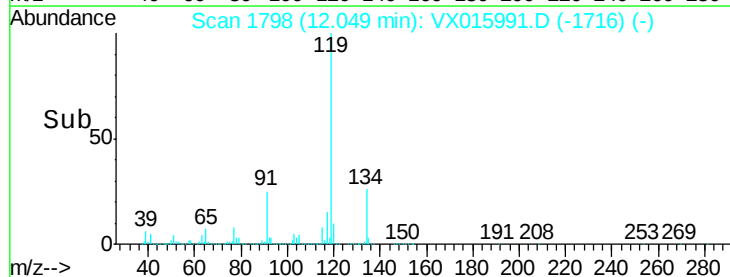
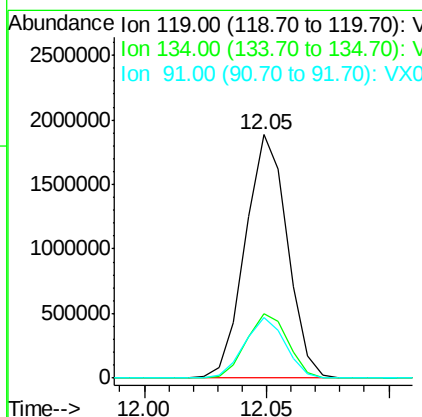
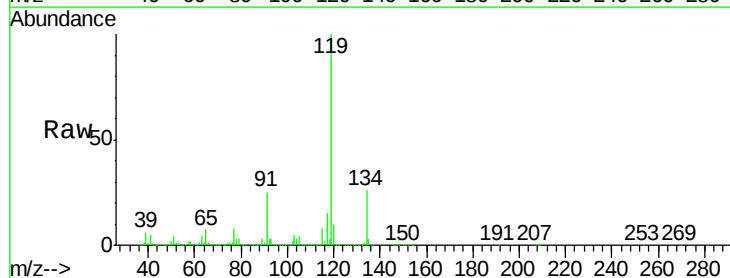
Manual Integrations
 APPROVED

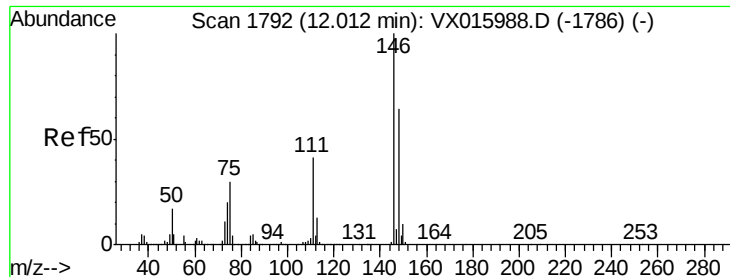
MMDadoda
 5/4/2020 3:10:16 PM



#82
 p-Isopropyltoluene
 Concen: 161.089 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion:119 Resp: 2247237
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 24.3 0.0 47.6





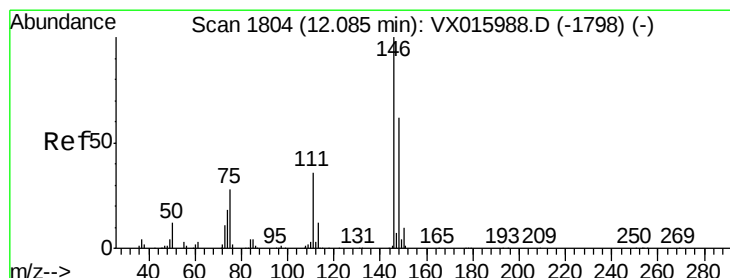
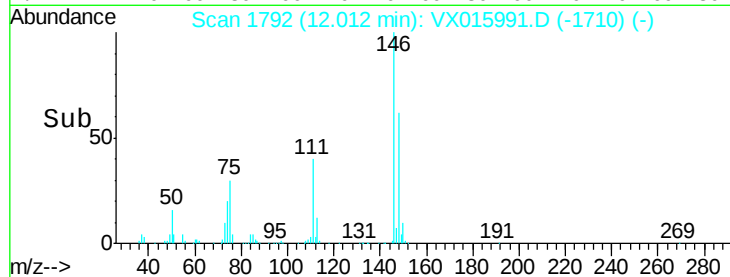
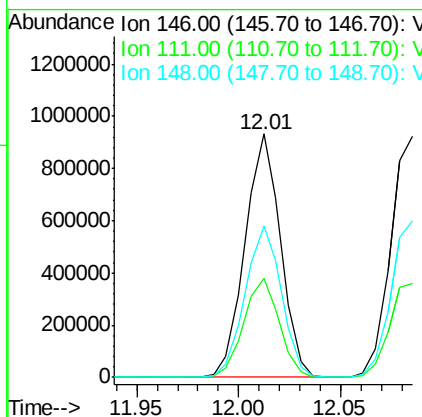
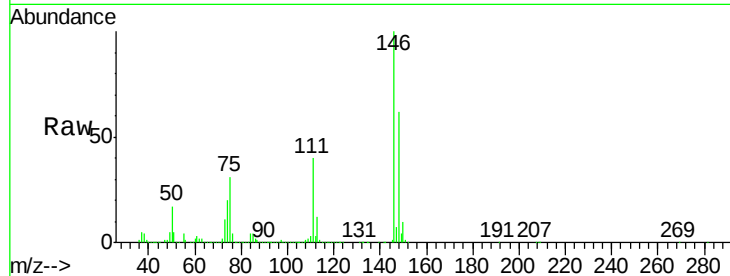
#83
 1,3-Dichlorobenzene
 Concen: 157.054 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	63.1	31.9	95.9

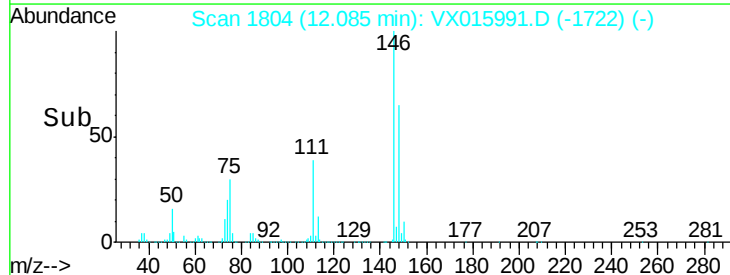
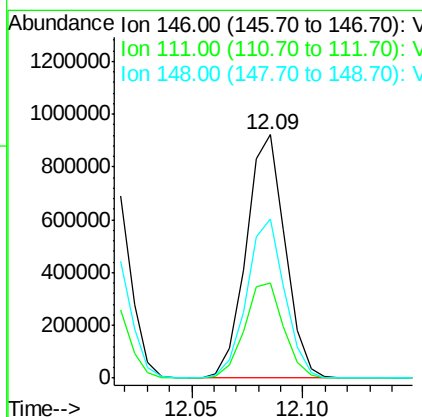
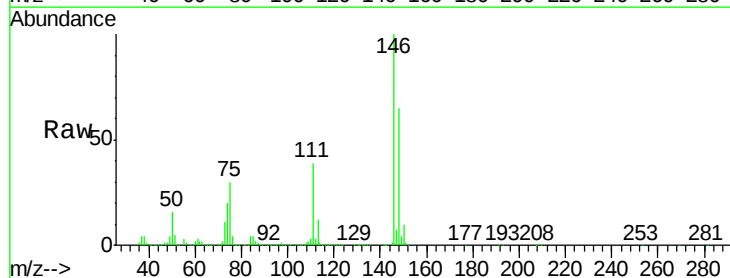
Manual Integrations
 APPROVED

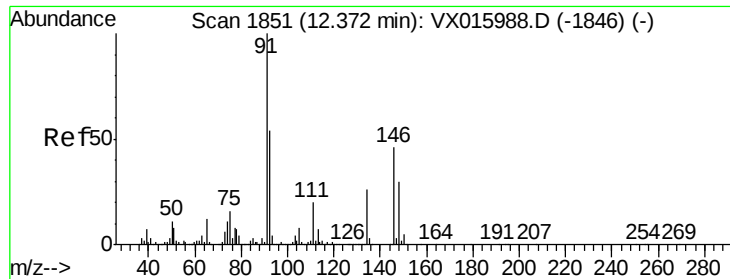
MMDadoda
 5/4/2020 3:10:16 PM



#84
 1,4-Dichlorobenzene
 Concen: 157.460 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	63.8	32.0	96.0





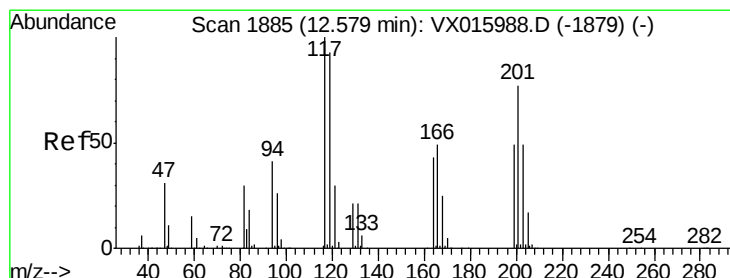
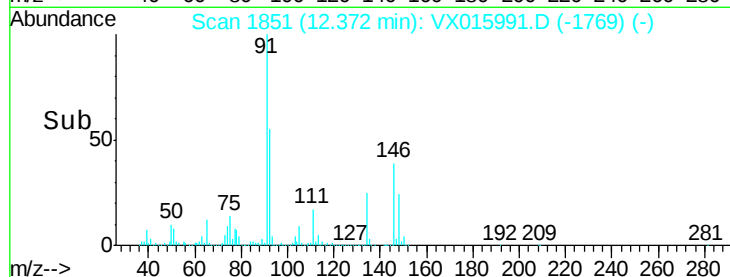
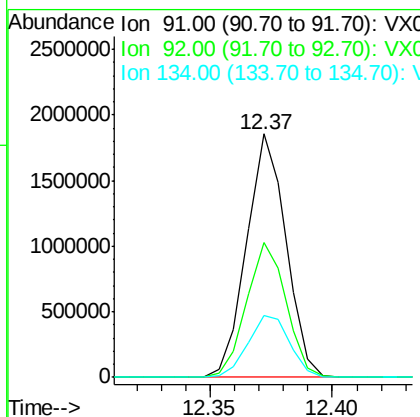
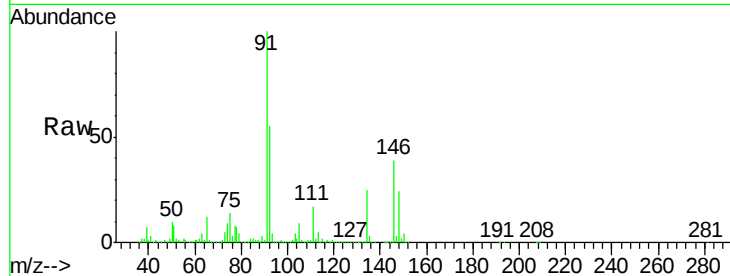
#85
n-Butylbenzene
Concen: 167.644 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	0.0	110.2
134	26.8	0.0	53.4

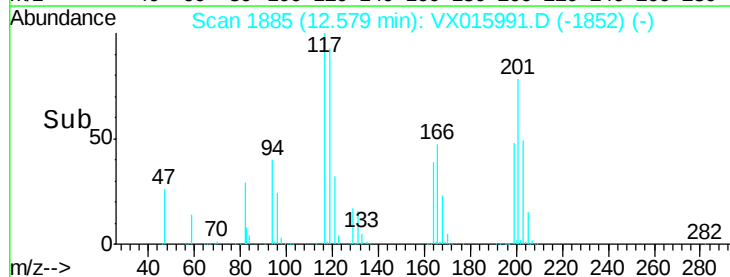
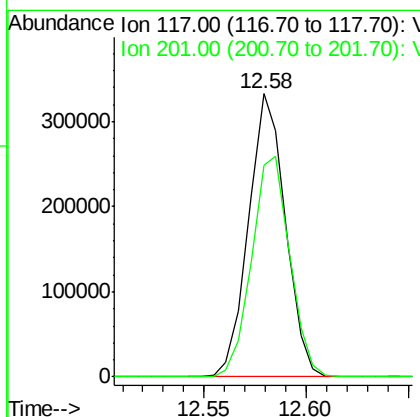
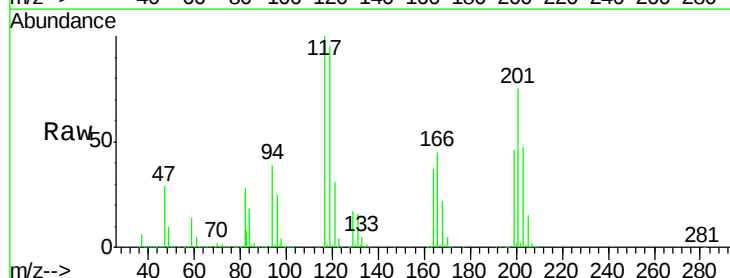
Manual Integrations
APPROVED

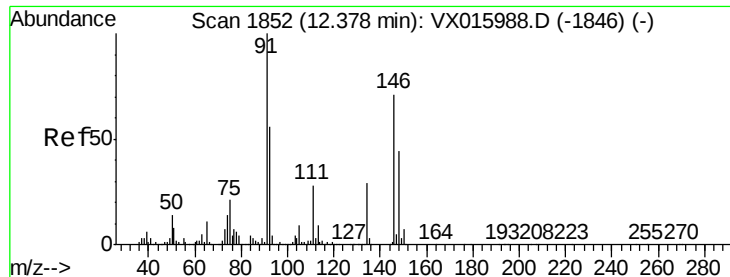
MMDadoda
5/4/2020 3:10:16 PM



#86
Hexachloroethane
Concen: 161.349 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	40.1	120.2





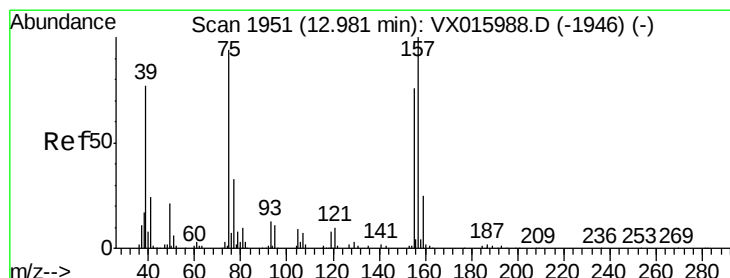
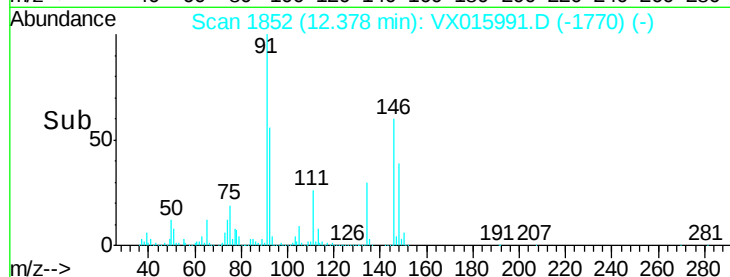
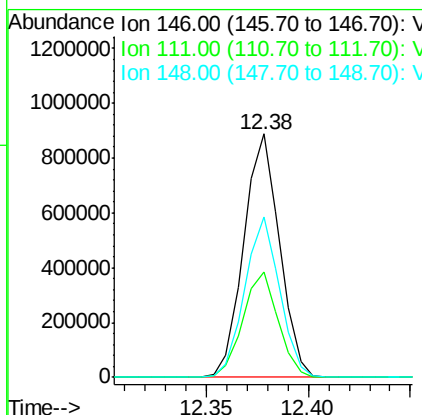
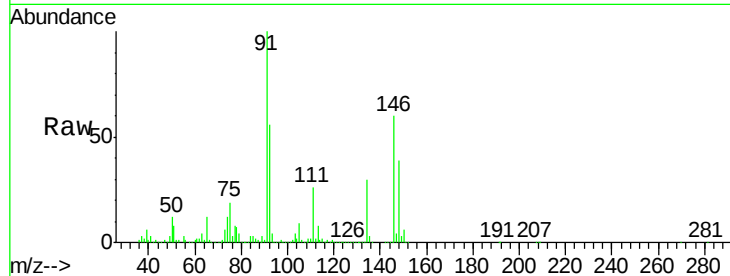
#87
 1,2-Dichlorobenzene
 Concen: 154.947 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.7	62.1
148	64.2	32.0	96.2

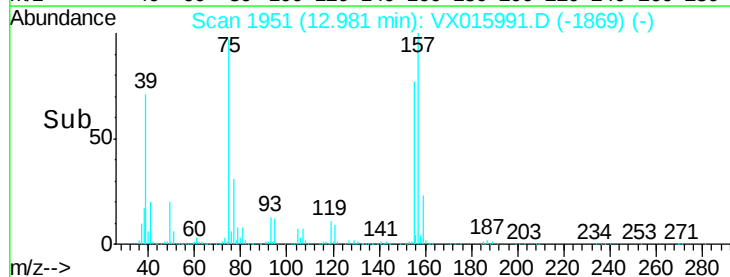
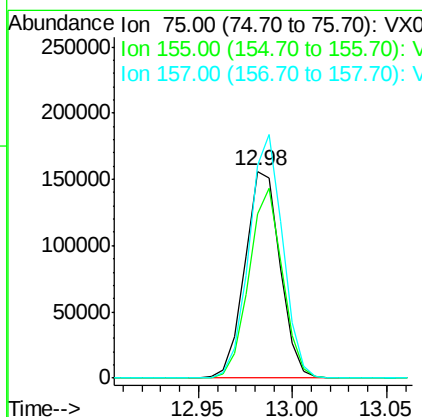
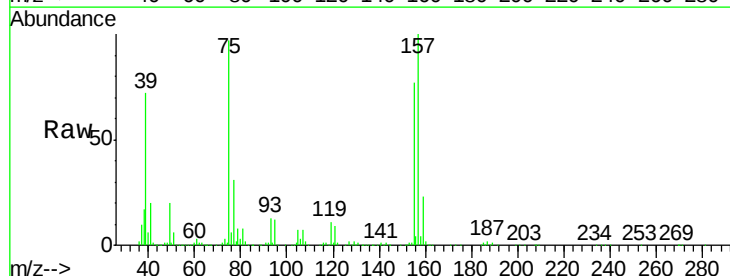
Manual Integrations
 APPROVED

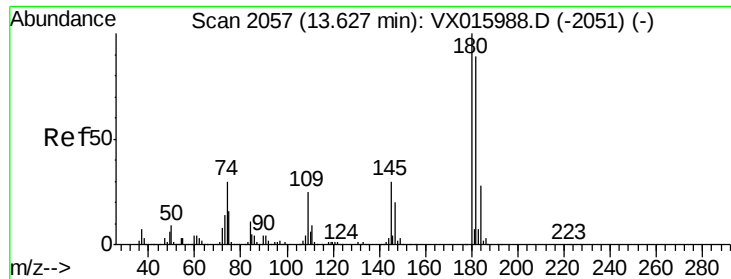
MMDadoda
 5/4/2020 3:10:16 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 162.340 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	66.9	100.3
157	112.3	88.2	132.2





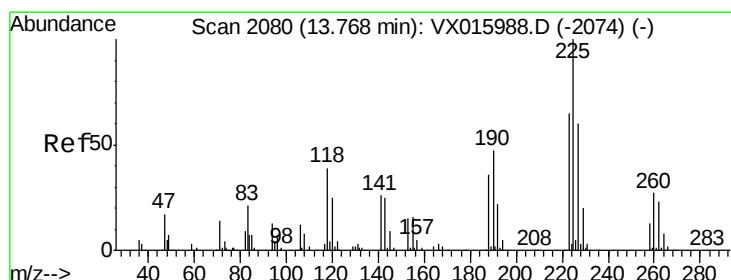
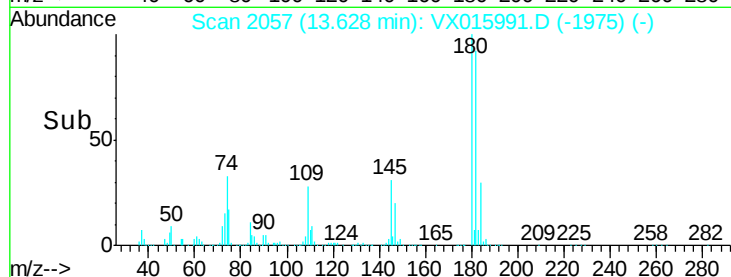
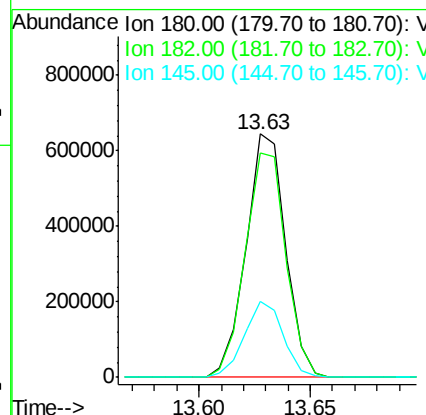
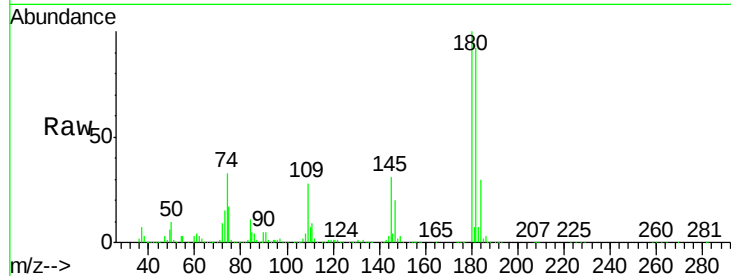
#89
 1,2,4-Trichlorobenzene
 Concen: 145.946 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.0	112.6
145	30.5	23.9	35.9

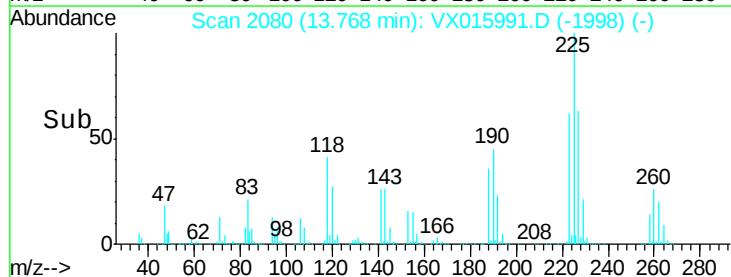
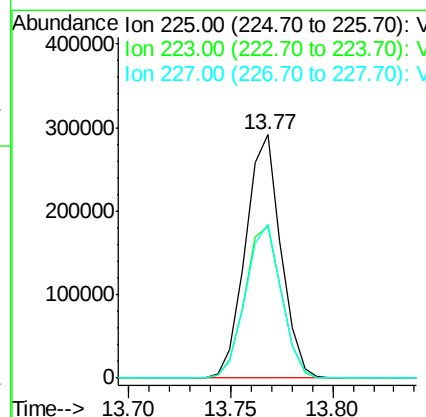
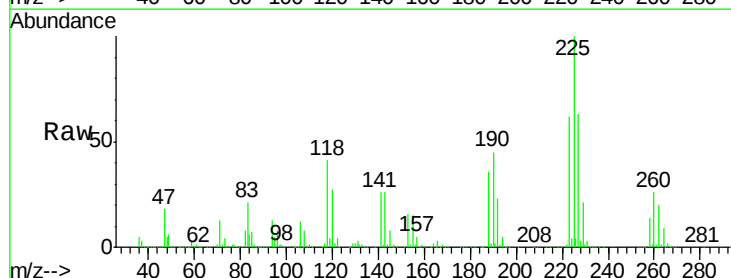
Manual Integrations
 APPROVED

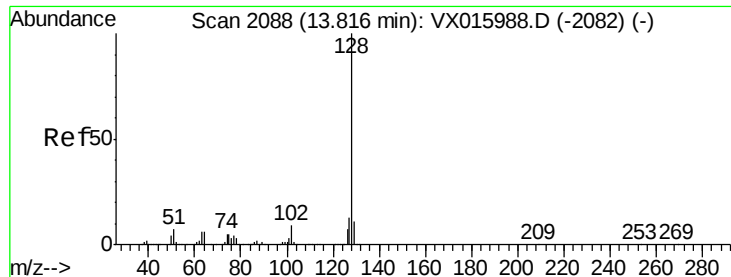
MMDadoda
 5/4/2020 3:10:16 PM



#90
 Hexachlorobutadiene
 Concen: 127.015 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	123.6
227	63.9	0.0	123.6





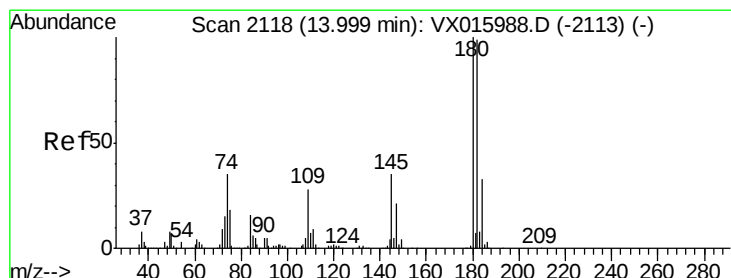
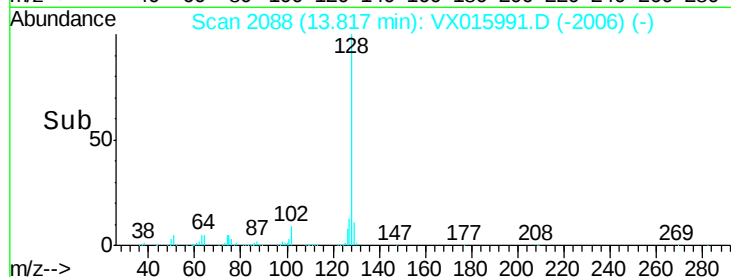
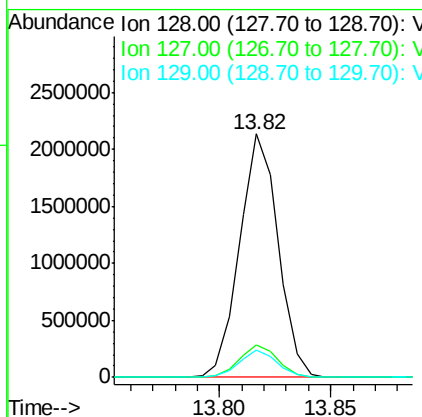
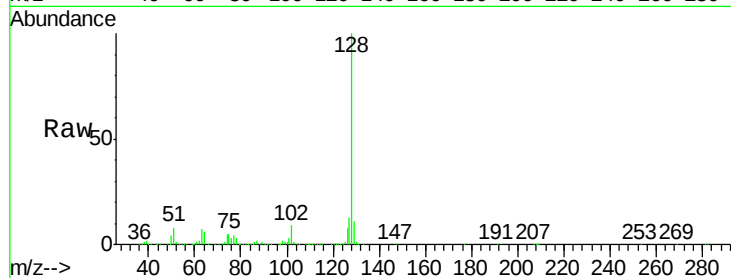
#91
Naphthalene
Concen: 159.225 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:16 PM



#92
1,2,3-Trichlorobenzene
Concen: 146.435 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	197.2
145	32.1	0.0	66.0

