

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011751.D
 Acq On : 22 Aug 2019 10:06
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:49 PM

Quant Time: Aug 23 01:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	397923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	543715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	476516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	196351	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	5.49	113	176572	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	8.71	98	647325	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
62) 4-Bromofluorobenzene	11.13	95	242026	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	204786	52.870	ug/l	100
3) Chloromethane	1.32	50	166990	42.026	ug/l	100
4) Vinyl Chloride	1.40	62	160343	44.682	ug/l	100
5) Bromomethane	1.63	94	85858	51.585	ug/l	100
6) Chloroethane	1.71	64	104699	58.580	ug/l	100
7) Trichlorofluoromethane	1.92	101	261849	51.225	ug/l	100
8) Diethyl Ether	2.18	74	84858	48.831	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	162590	46.718	ug/l	100
10) Methyl Iodide	2.50	142	214878	44.544	ug/l	100
11) Tert butyl alcohol	3.04	59	202144	228.501	ug/l	100
12) 1,1-Dichloroethene	2.37	96	153257	45.720	ug/l	100
13) Acrolein	2.29	56	68105	225.381	ug/l	100
14) Allyl chloride	2.72	41	260297	46.796	ug/l	100
15) Acrylonitrile	3.14	53	474041	232.955	ug/l	100
16) Acetone	2.43	43	443050	240.012	ug/l	100
17) Carbon Disulfide	2.56	76	405379	50.528	ug/l	100
18) Methyl Acetate	2.76	43	254417	45.313	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	515621	47.320	ug/l	100
20) Methylene Chloride	2.85	84	177748	45.941	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	173131	48.401	ug/l	100
22) Diisopropyl ether	3.85	45	488208	44.553	ug/l	100
23) Vinyl Acetate	3.81	43	2079918	237.874	ug/l	100
24) 1,1-Dichloroethane	3.69	63	286669	45.766	ug/l	100
25) 2-Butanone	4.66	43	633577	223.178	ug/l	100
26) 2,2-Dichloropropane	4.57	77	240340	50.212	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	192105	46.417	ug/l	100
28) Bromochloromethane	5.00	49	132042	47.790	ug/l	100
29) Tetrahydrofuran	5.12	42	422855	226.719	ug/l	100
30) Chloroform	5.20	83	303707	45.907	ug/l	100
31) Cyclohexane	5.57	56	259917	48.144	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	279313	48.870	ug/l	100
36) 1,1-Dichloropropene	5.79	75	213441	46.657	ug/l	100
37) Ethyl Acetate	4.82	43	240003	45.869	ug/l	100
38) Carbon Tetrachloride	5.78	117	241811	47.825	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082219\
 Data File : VX011751.D
 Acq On : 22 Aug 2019 10:06
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:49 PM

Quant Time: Aug 23 01:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	279237	48.966	ug/l	100
40) Benzene	6.13	78	648257	45.682	ug/l	100
41) Methacrylonitrile	5.03	41	129903	45.371	ug/l	100
42) 1,2-Dichloroethane	6.18	62	242926	48.966	ug/l	100
43) Isopropyl Acetate	6.44	43	377416	46.096	ug/l	100
44) Trichloroethene	7.21	130	203129	47.810	ug/l	100
45) 1,2-Dichloropropane	7.51	63	167533	47.314	ug/l	100
46) Dibromomethane	7.66	93	121278	46.733	ug/l	100
47) Bromodichloromethane	7.90	83	229977	48.428	ug/l	100
48) Methyl methacrylate	7.76	41	192413	47.501	ug/l	100
49) 1,4-Dioxane	7.73	88	99836	923.827	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1237826	232.026	ug/l	100
52) Toluene	8.78	92	434551	47.744	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	249064	50.563	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	269234	50.055	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	178616	46.277	ug/l	100
56) Ethyl methacrylate	9.18	69	277269	49.485	ug/l	100
57) 1,3-Dichloropropane	9.37	76	274823	45.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	723874	256.520	ug/l	100
59) 2-Hexanone	9.49	43	977922	237.366	ug/l	100
60) Dibromochloromethane	9.58	129	203959	50.834	ug/l	100
61) 1,2-Dibromoethane	9.67	107	197710	47.920	ug/l	100
64) Tetrachloroethene	9.34	164	203838	51.755	ug/l	100
65) Chlorobenzene	10.13	112	463670	46.348	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	182750	48.712	ug/l	100
67) Ethyl Benzene	10.25	91	827927	49.128	ug/l	100
68) m/p-Xylenes	10.35	106	651865	100.702	ug/l	100
69) o-Xylene	10.69	106	314234	49.518	ug/l	100
70) Styrene	10.71	104	531067	49.973	ug/l	100
71) Bromoform	10.85	173	162528	51.045	ug/l	100
73) Isopropylbenzene	11.02	105	852527	47.746	ug/l	100
74) N-amyl acetate	10.90	43	331356	44.239	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	268623	44.219	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	242146m	46.671	ug/l	
77) Bromobenzene	11.25	156	242055	45.820	ug/l	100
78) n-propylbenzene	11.36	91	941840	48.928	ug/l	100
79) 2-Chlorotoluene	11.42	91	567458	48.064	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	730563	48.705	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	86447	49.444	ug/l	100
82) 4-Chlorotoluene	11.51	91	657435	47.949	ug/l	100
83) tert-Butylbenzene	11.77	119	725421	47.658	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	736217	48.954	ug/l	100
85) sec-Butylbenzene	11.94	105	800151	46.769	ug/l	100
86) p-Isopropyltoluene	12.06	119	796099	49.196	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	430737	47.224	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	429869	46.522	ug/l	100
89) n-Butylbenzene	12.38	91	659850	49.530	ug/l	100
90) Hexachloroethane	12.59	117	124586	48.701	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	427902	46.783	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64998	46.361	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
Data File : VX011751.D
Acq On : 22 Aug 2019 10:06
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

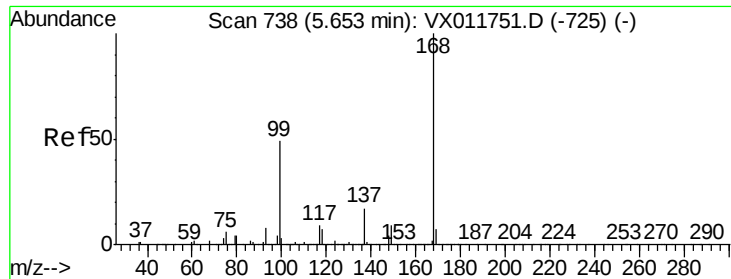
Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM

Quant Time: Aug 23 01:43:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:19:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	328333	48.176	ug/l	100
94) Hexachlorobutadiene	13.78	225	162699	44.376	ug/l	100
95) Naphthalene	13.83	128	911040	47.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	327284	47.719	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 397923

Ion Ratio Lower Upper

168 100

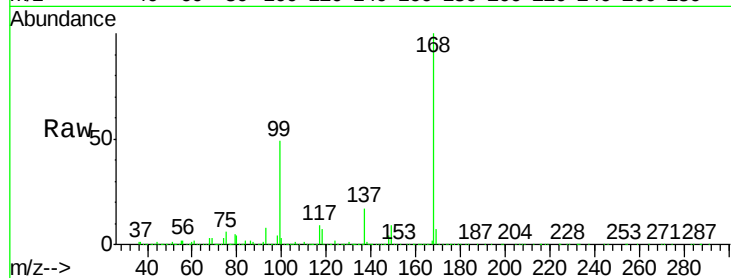
99 49.3 39.4 59.2

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

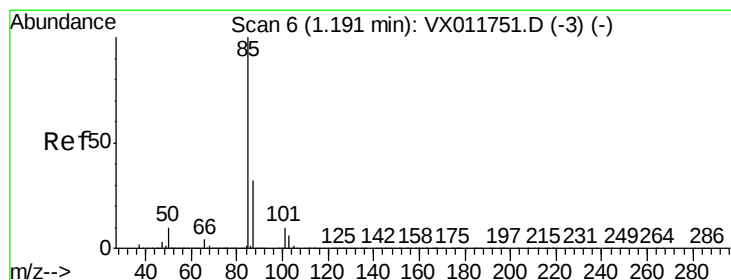
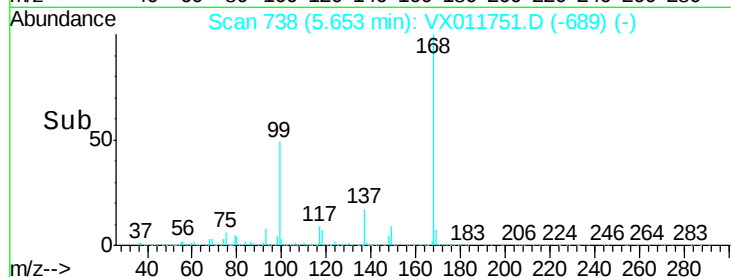
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.870 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011751.D

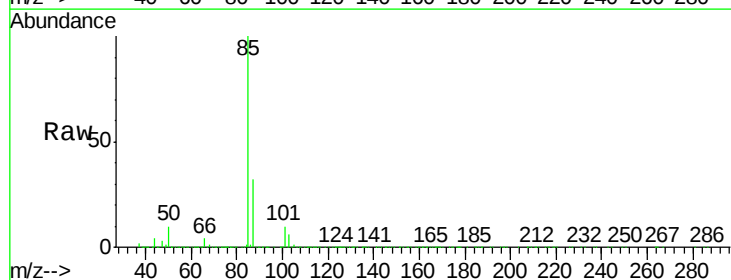
Acq: 22 Aug 2019 10:06

Tgt Ion: 85 Resp: 204786

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

250000

200000

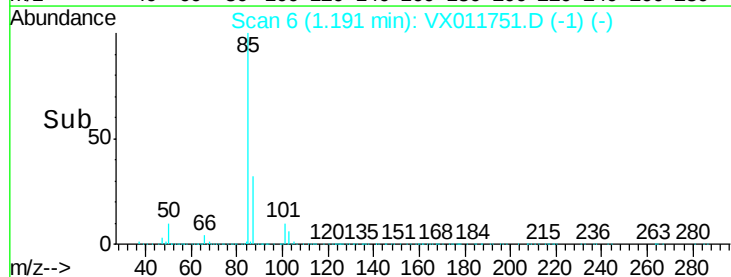
150000

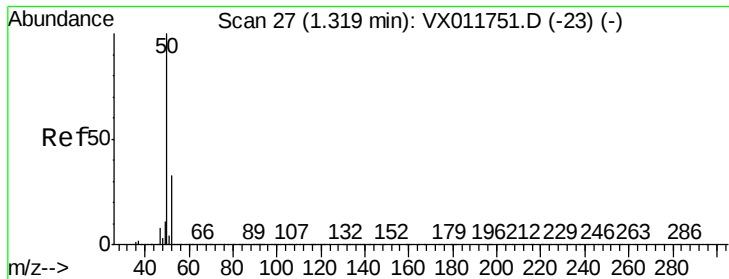
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.026 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 166990

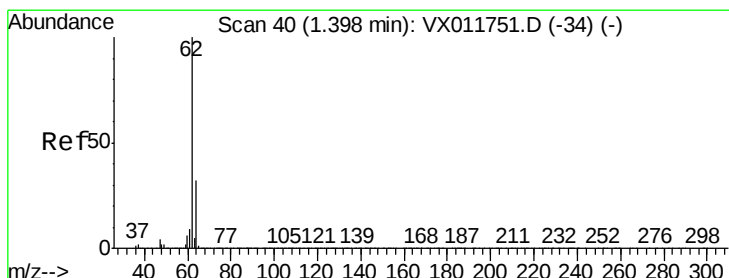
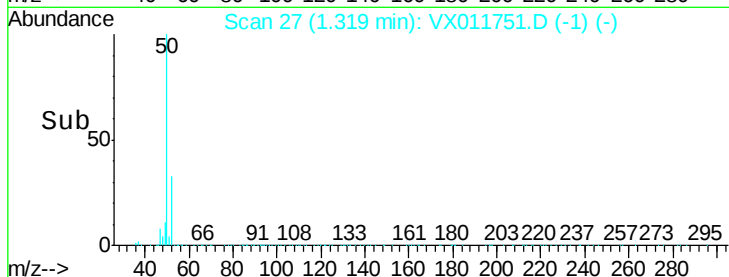
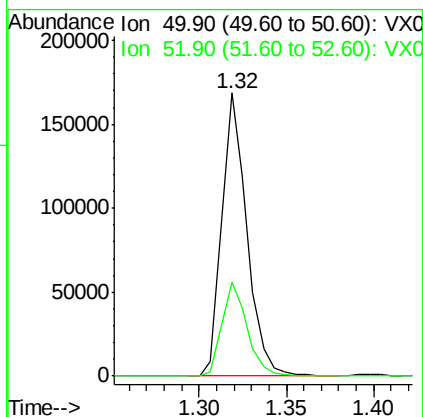
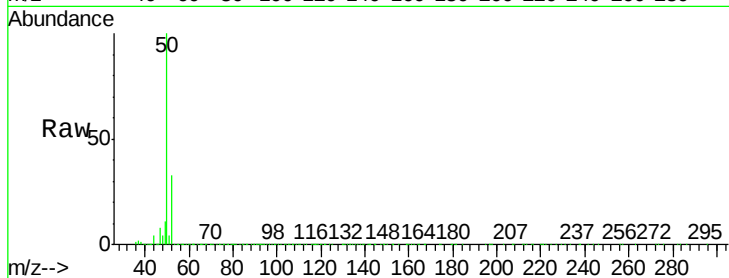
Ion Ratio Lower Upper

50 100

52 33.2 26.6 39.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#4

Vinyl Chloride

Concen: 44.682 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011751.D

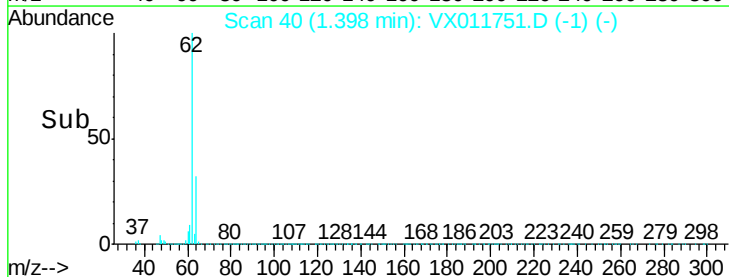
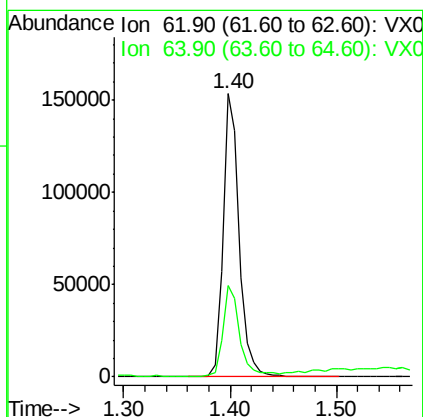
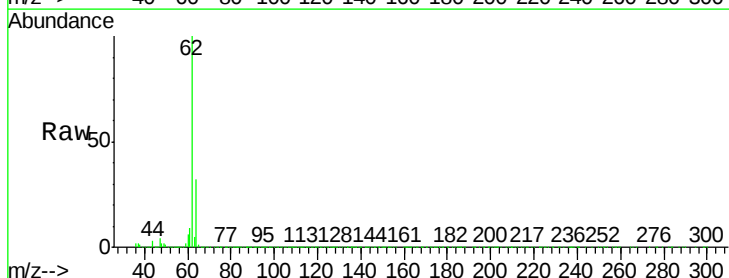
Acq: 22 Aug 2019 10:06

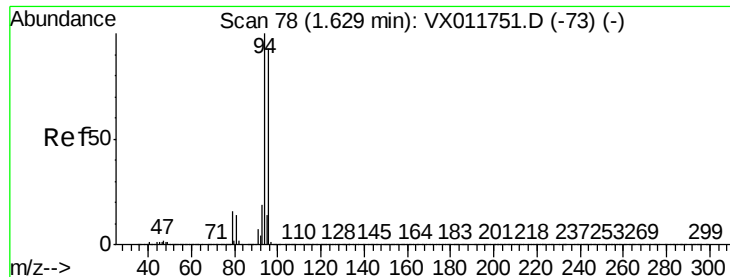
Tgt Ion: 62 Resp: 160343

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 51.585 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 85858

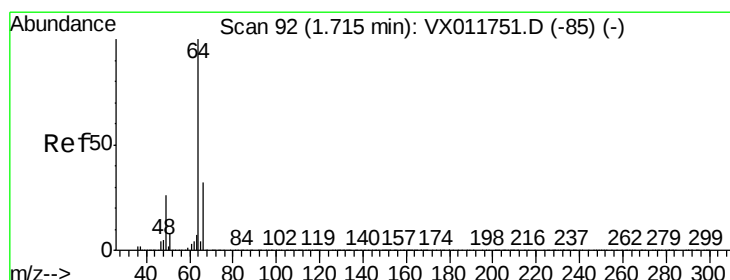
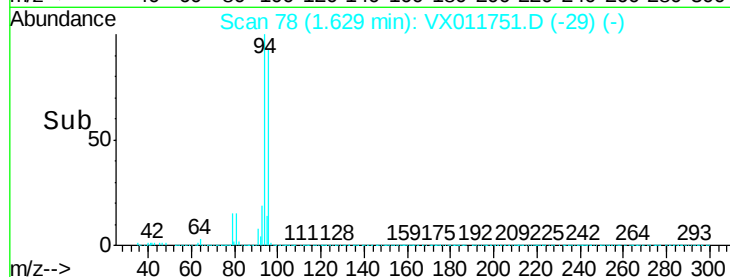
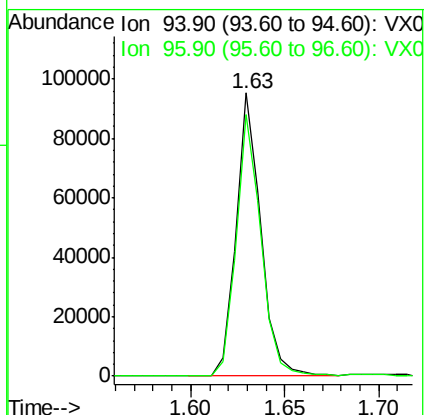
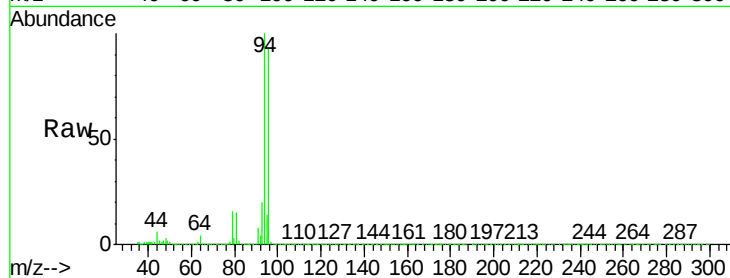
Ion Ratio Lower Upper

94 100

96 92.6 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#6

Chloroethane

Concen: 58.580 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011751.D

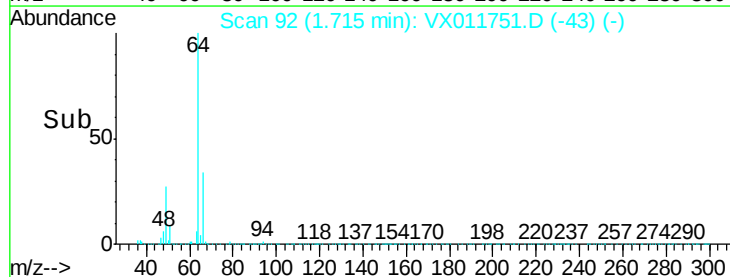
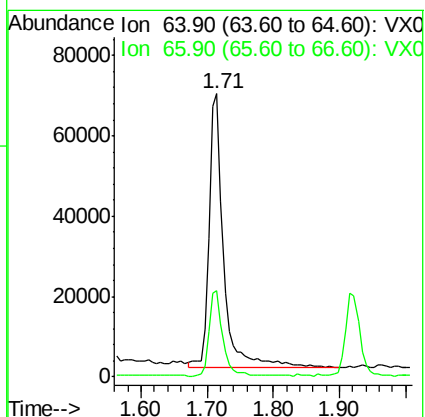
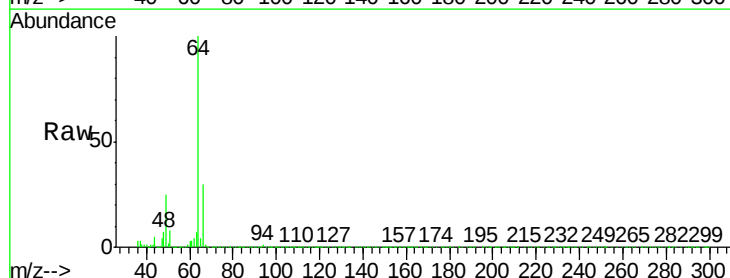
Acq: 22 Aug 2019 10:06

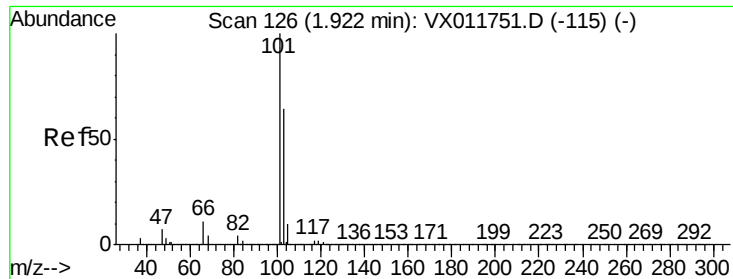
Tgt Ion: 64 Resp: 104699

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3





#7

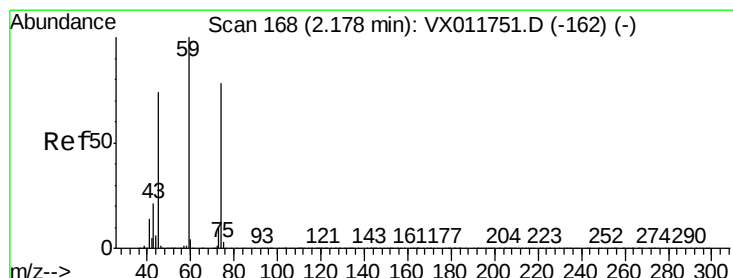
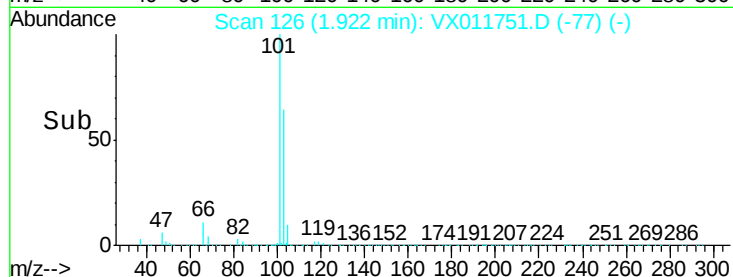
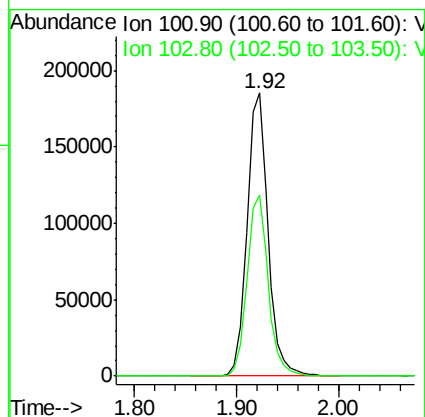
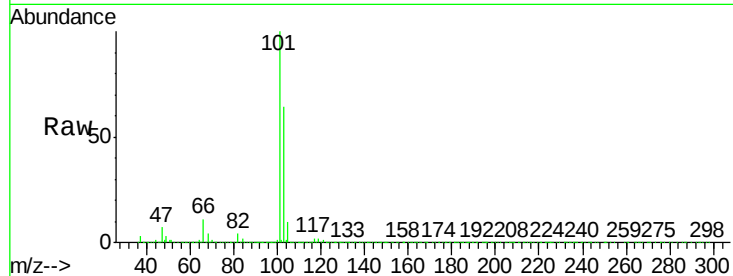
Trichlorofluoromethane
Concen: 51.225 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

Manual Integrations
APPROVED

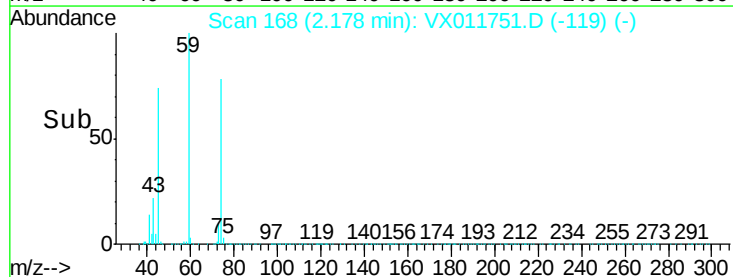
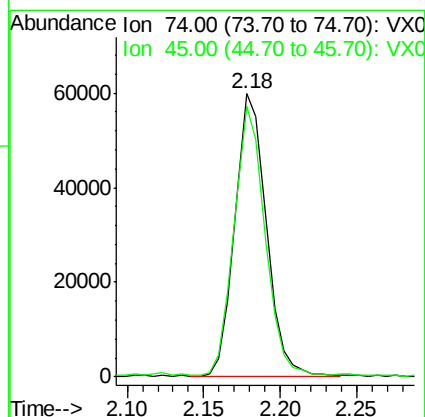
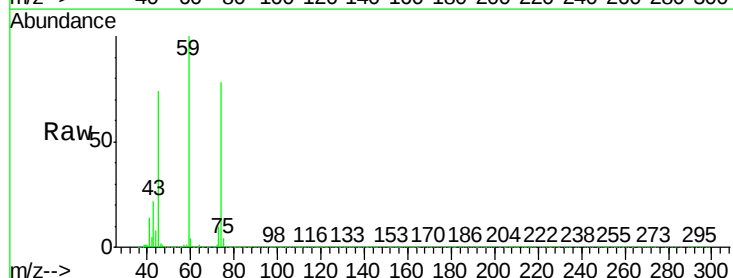
MMDadoda
8/23/2019 1:55:49 PM

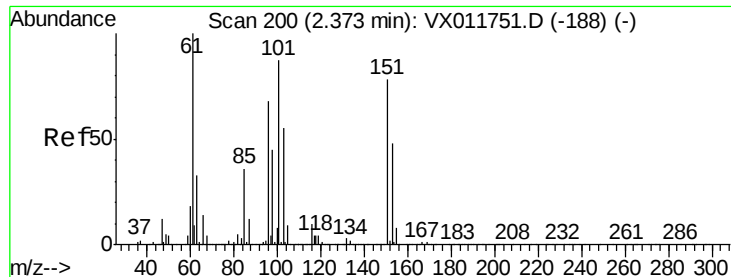


#8

Diethyl Ether
Concen: 48.831 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.718 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

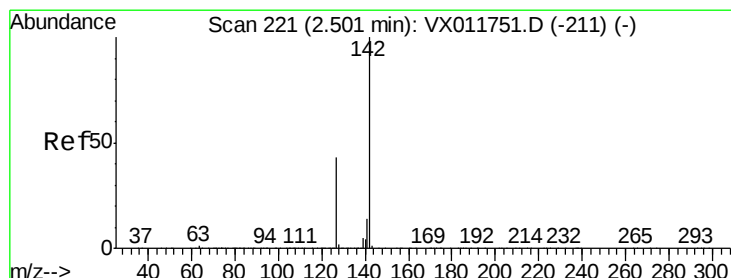
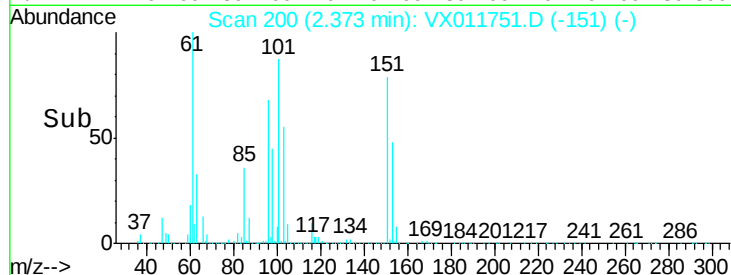
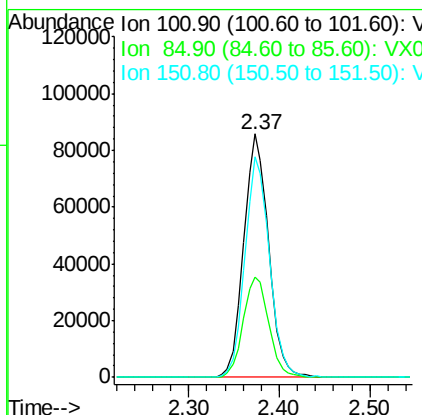
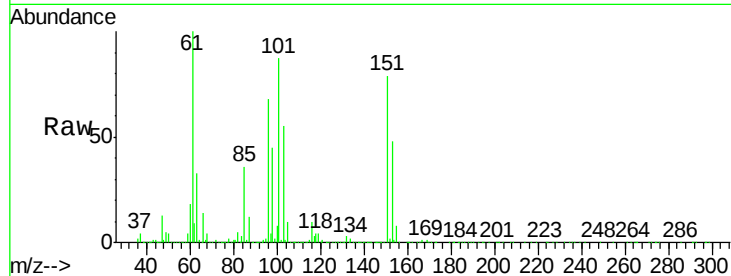
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	162590
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	89.3	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#10

Methyl Iodide

Concen: 44.544 ug/l

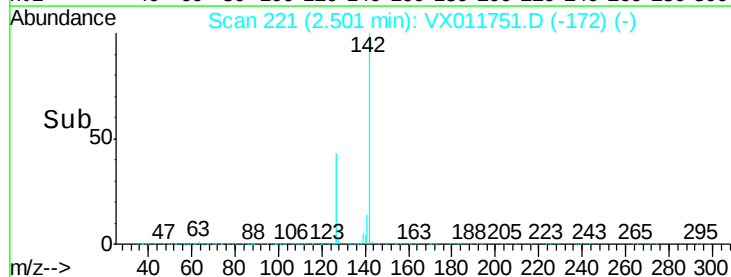
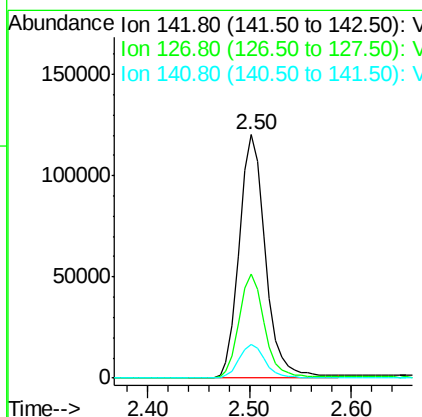
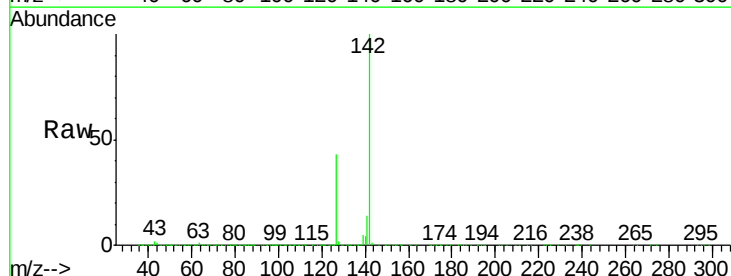
RT: 2.50 min Scan# 221

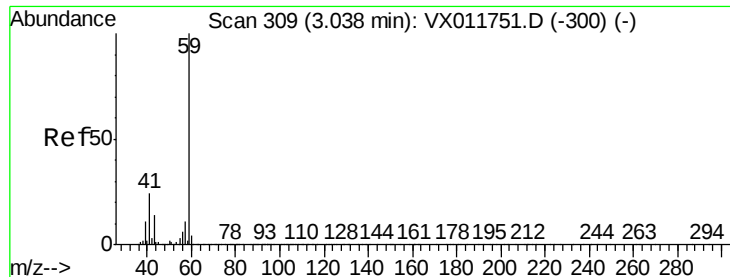
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	142	Resp:	214878
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.5	50.3
141	14.3	11.4	17.2





#11

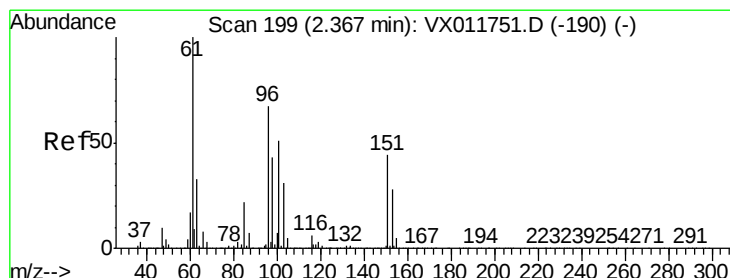
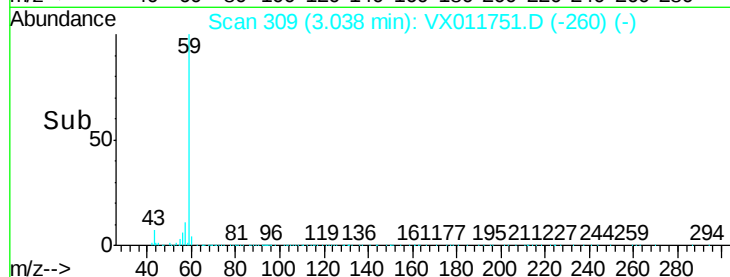
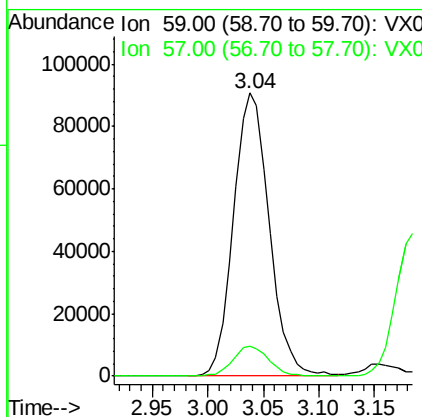
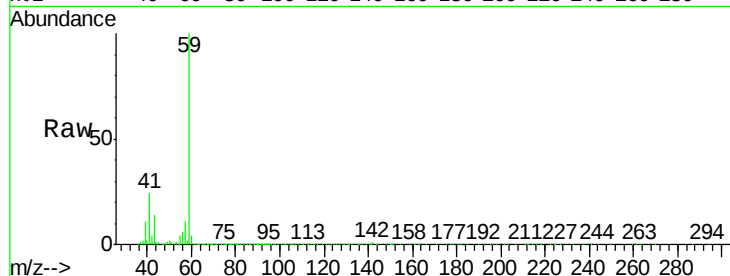
Tert butyl alcohol
Concen: 228.501 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

Manual Integrations
APPROVED

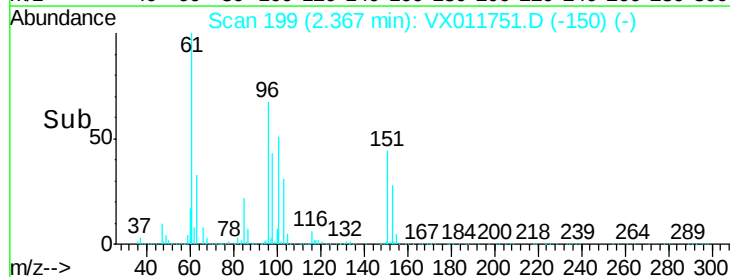
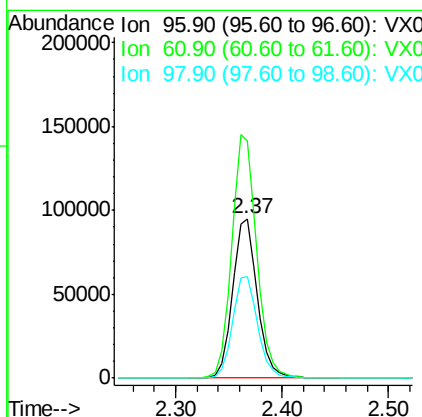
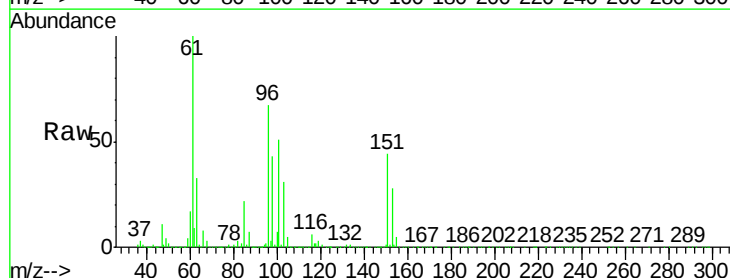
MMDadoda
8/23/2019 1:55:49 PM

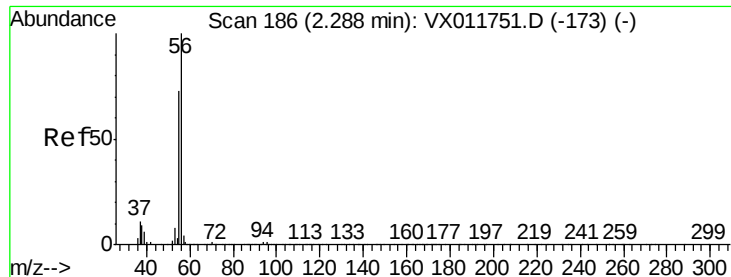


#12

1,1-Dichloroethene
Concen: 45.720 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.3	119.4	179.2
98	64.0	51.2	76.8





#13

Acrolein

Concen: 225.381 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 68105

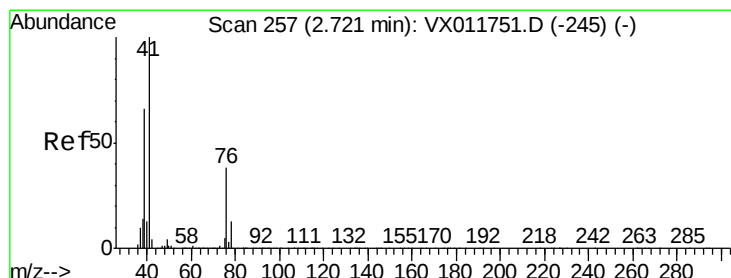
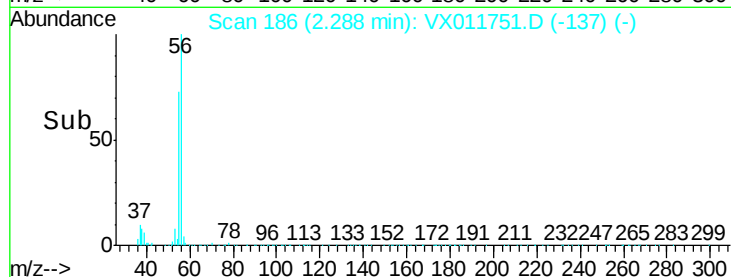
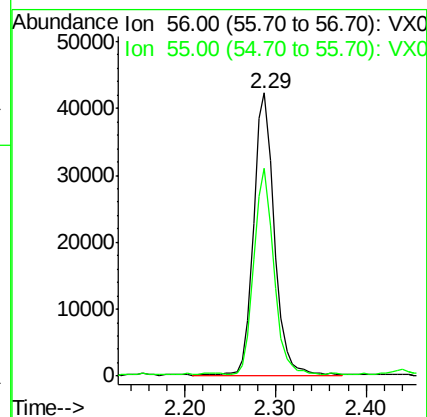
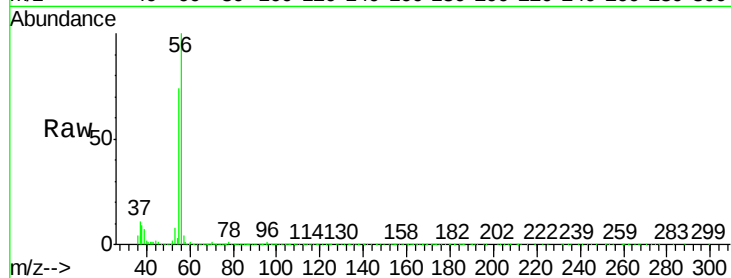
Ion Ratio Lower Upper

56 100

55 68.5 54.8 82.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#14

Allyl chloride

Concen: 46.796 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

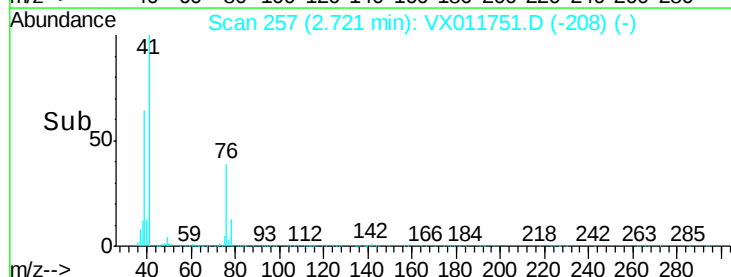
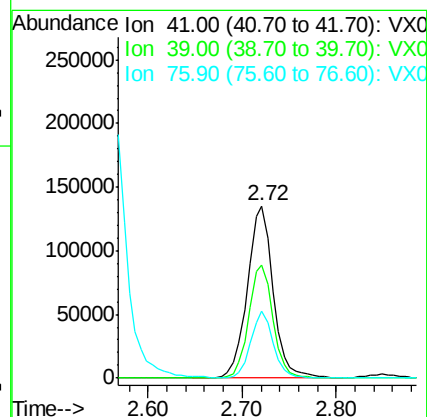
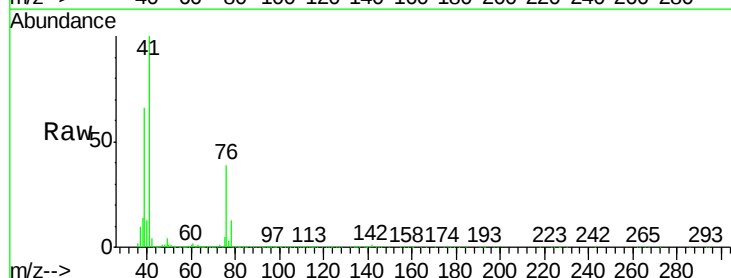
Tgt Ion: 41 Resp: 260297

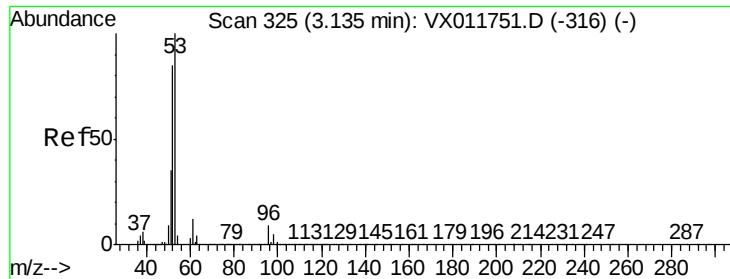
Ion Ratio Lower Upper

41 100

39 61.6 49.3 73.9

76 33.5 26.8 40.2





#15

Acrylonitrile

Concen: 232.955 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

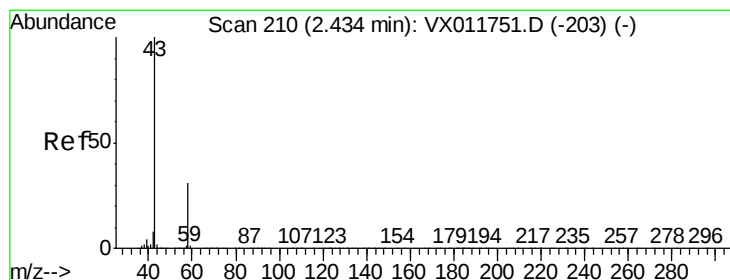
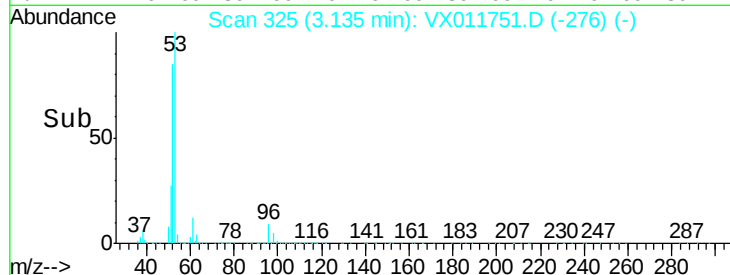
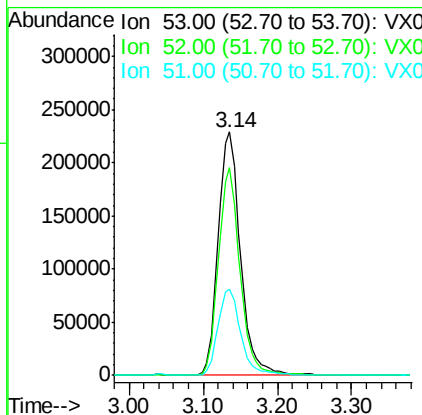
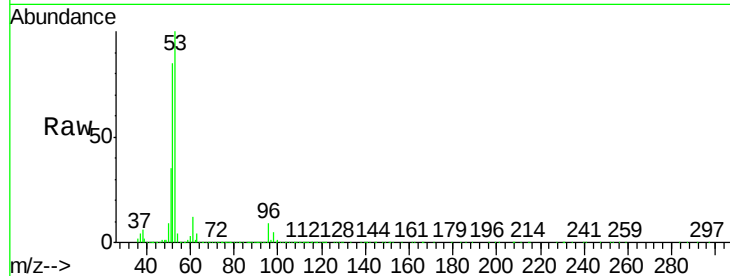
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	474041
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.8	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#16

Acetone

Concen: 240.012 ug/l

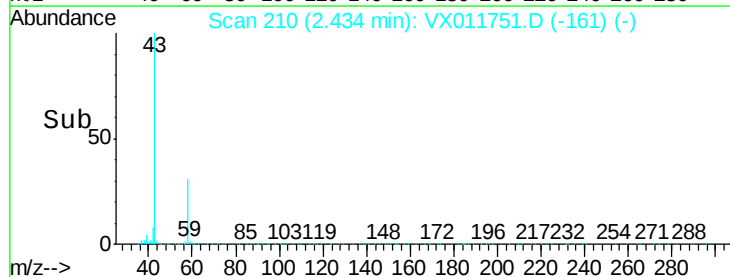
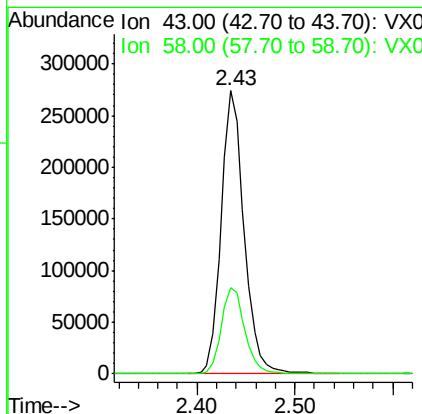
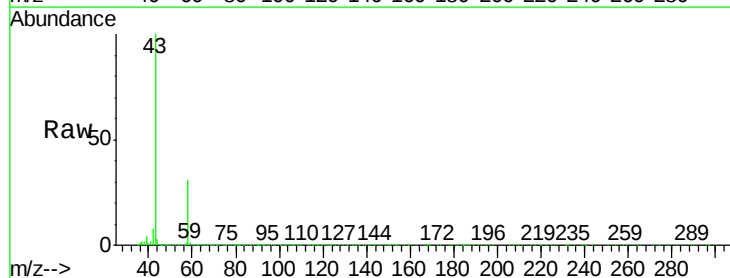
RT: 2.43 min Scan# 210

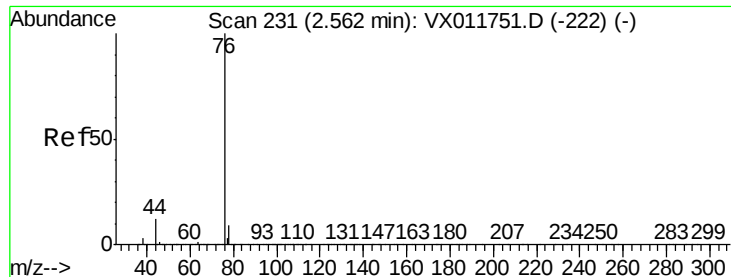
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	43	Resp:	443050
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.4	36.6





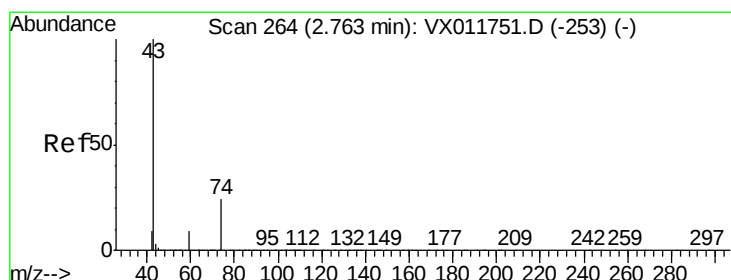
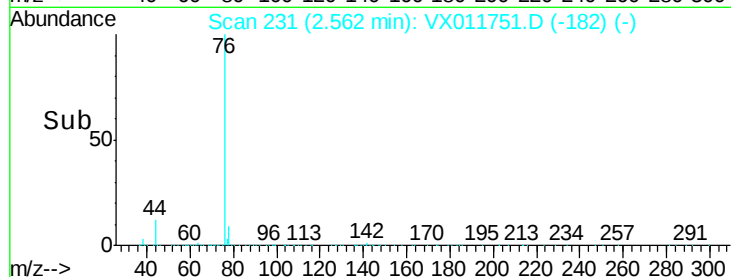
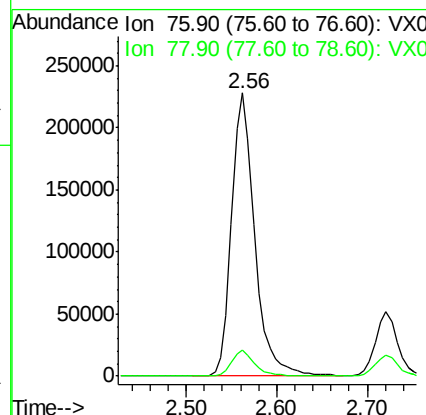
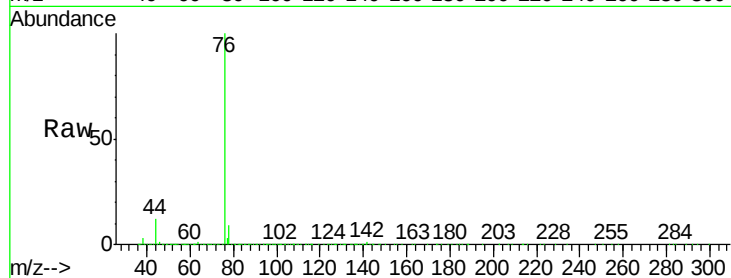
#17
Carbon Disulfide
Concen: 50.528 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

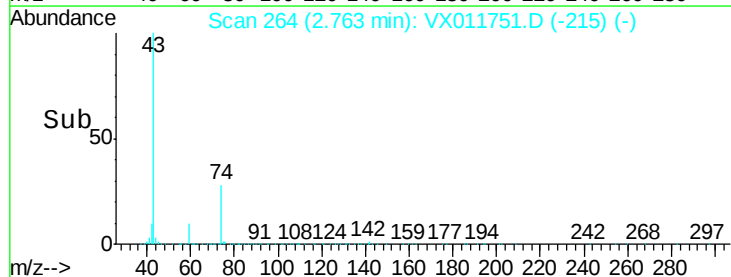
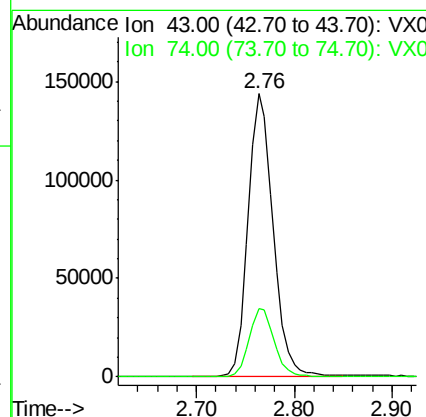
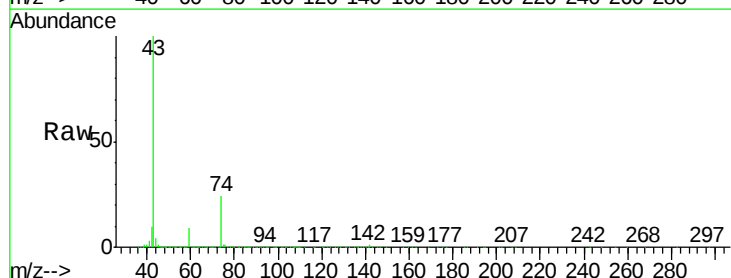
Manual Integrations
APPROVED

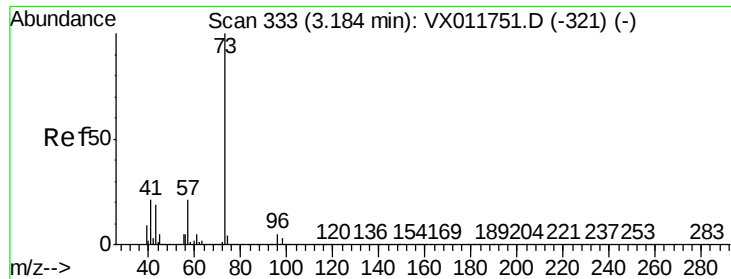
MMDadoda
8/23/2019 1:55:49 PM



#18
Methyl Acetate
Concen: 45.313 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.5	29.3





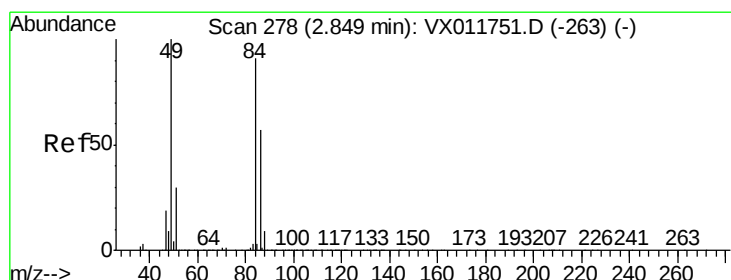
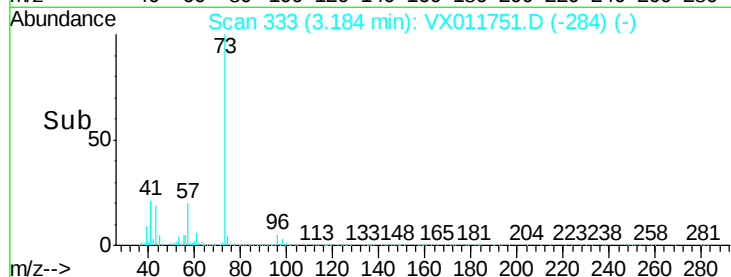
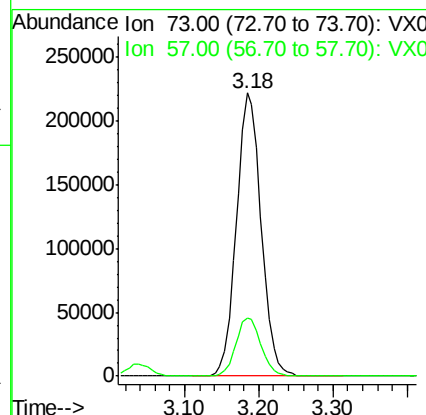
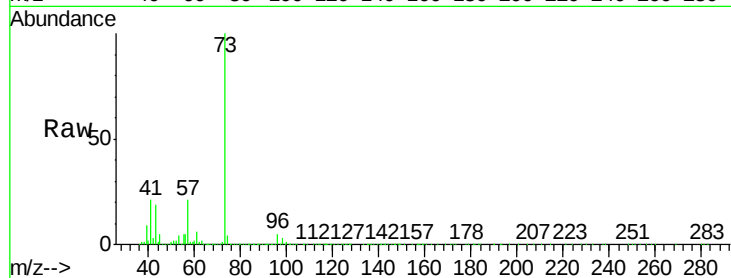
#19
Methvl tert-butvl Ether
Concen: 47.320 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.4	24.6

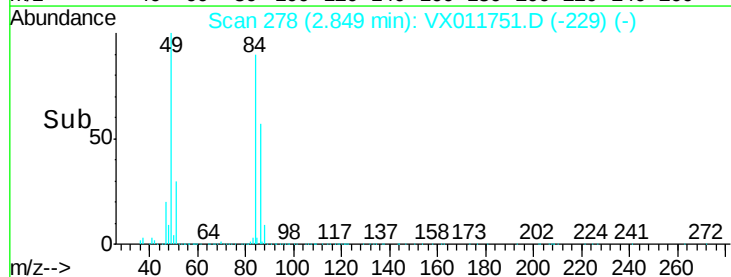
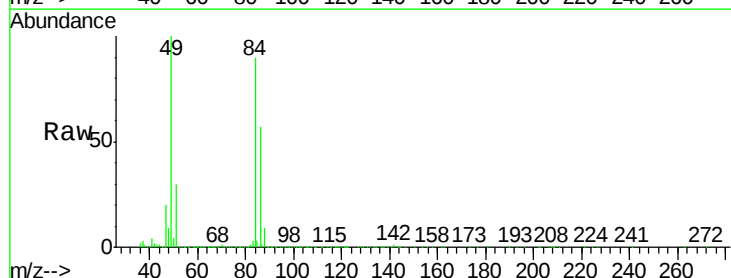
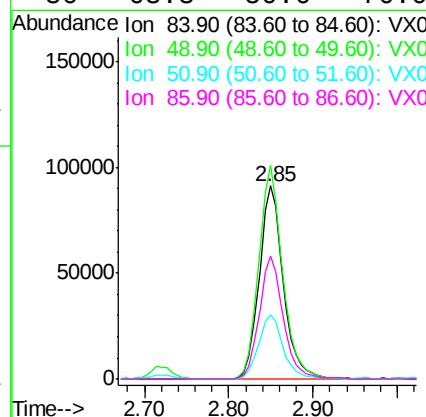
Manual Integrations
APPROVED

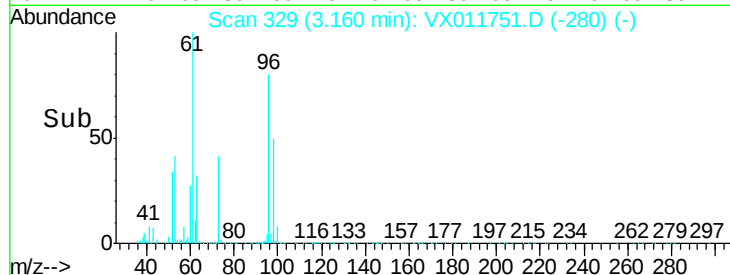
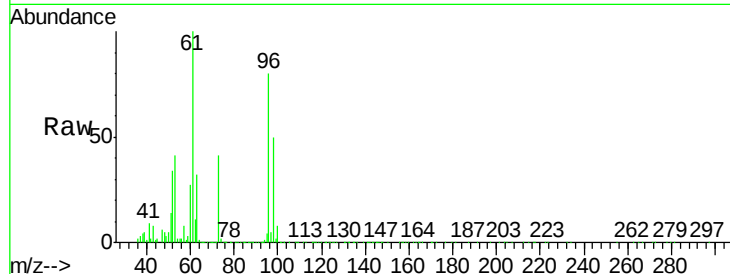
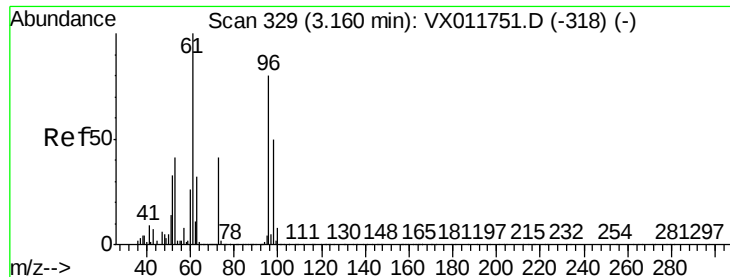
MMDadoda
8/23/2019 1:55:49 PM



#20
Methylene Chloride
Concen: 45.941 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.4	88.3	132.5
51	32.7	26.2	39.2
86	63.3	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 48.401 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011751.D

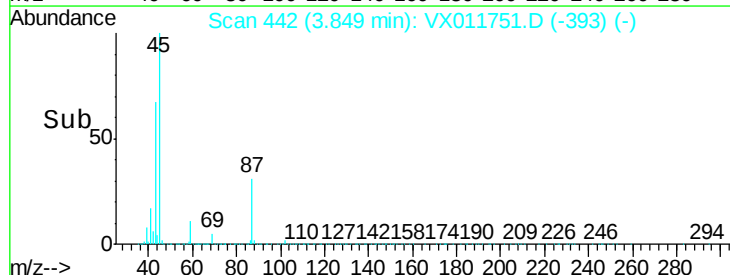
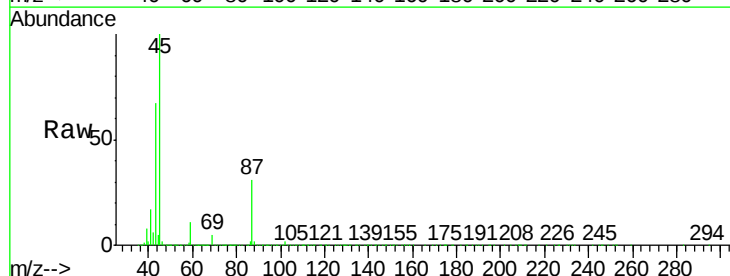
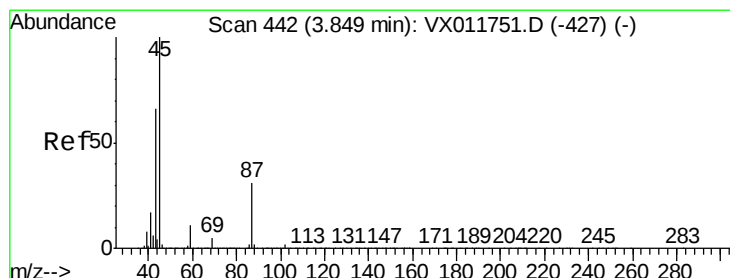
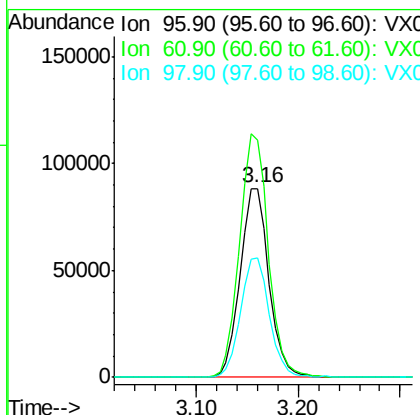
Acq: 22 Aug 2019 10:06

Tot Ion:	96	Resp:	173131
Ion Ratio	Lower	Upper	
96	100		
61	124.8	99.8	149.8
98	62.9	50.3	75.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#22

Diisopropyl ether

Concen: 44.553 ug/l

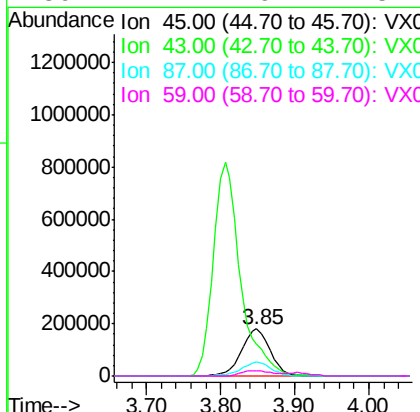
RT: 3.85 min Scan# 442

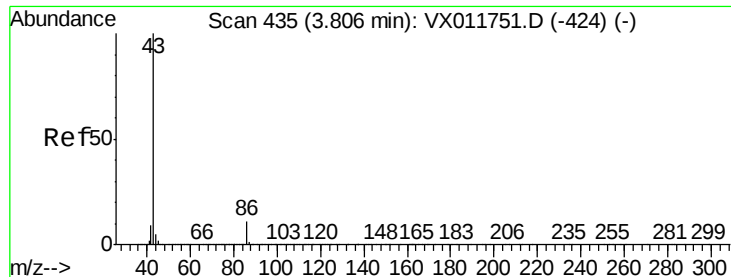
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	45	Resp:	488208
Ion Ratio	Lower	Upper	
45	100		
43	66.3	53.0	79.6
87	30.9	24.7	37.1
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 237.874 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2079918

Ion Ratio Lower Upper

43 100

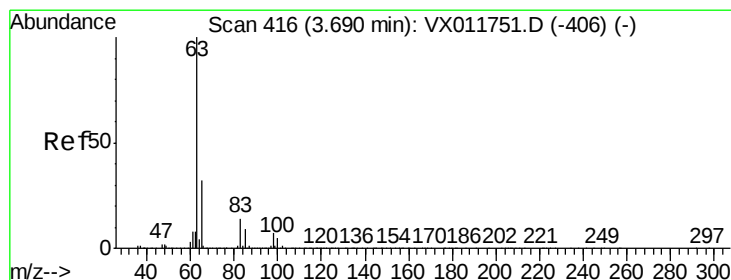
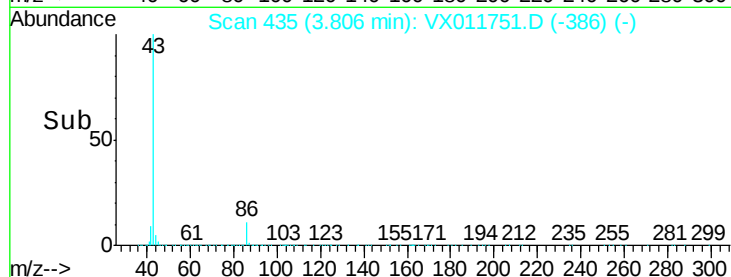
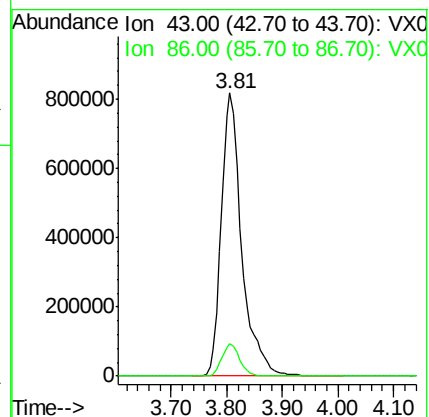
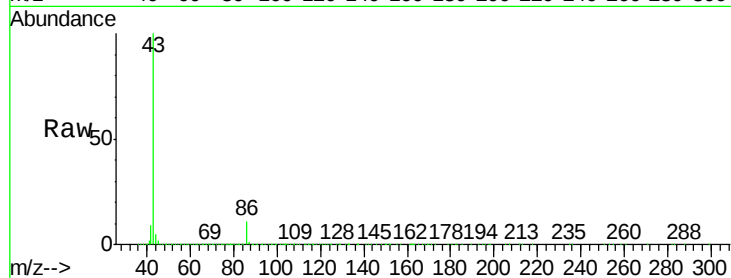
86 11.5 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:49 PM



#24

1,1-Dichloroethane

Concen: 45.766 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

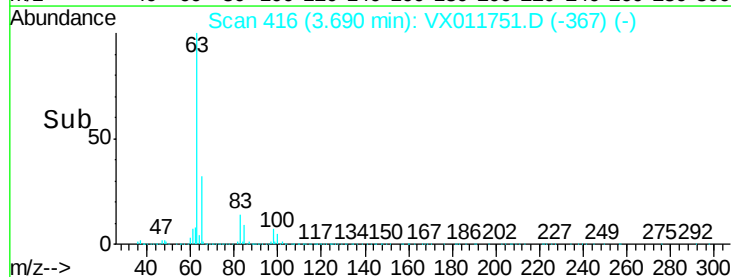
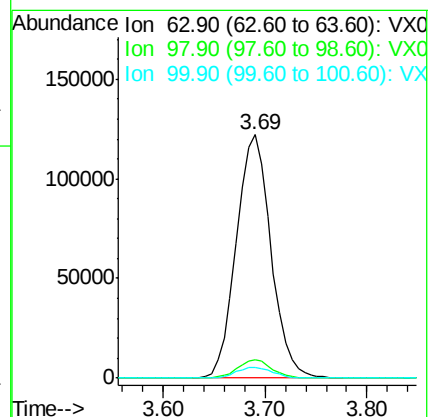
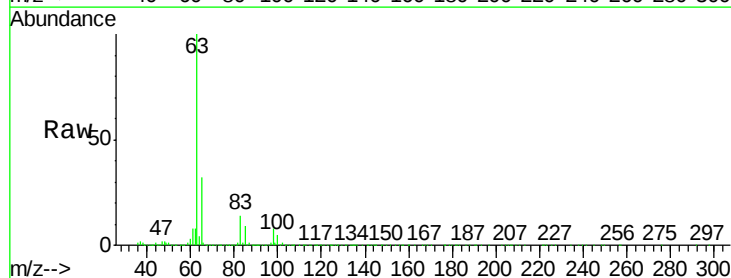
Tgt Ion: 63 Resp: 286669

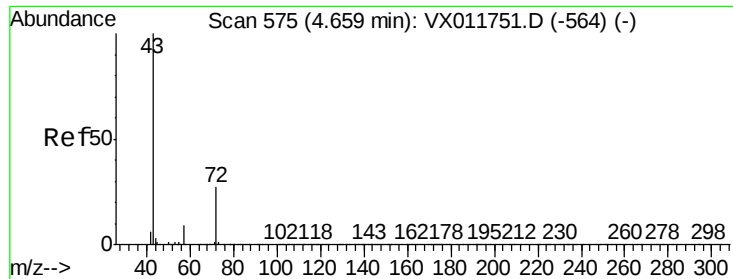
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 223.178 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 633577

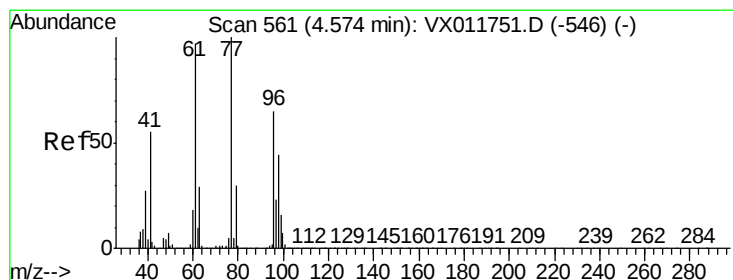
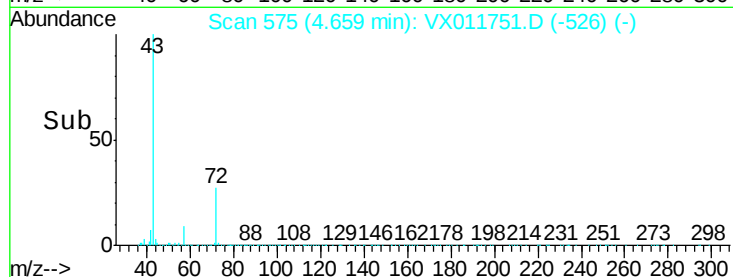
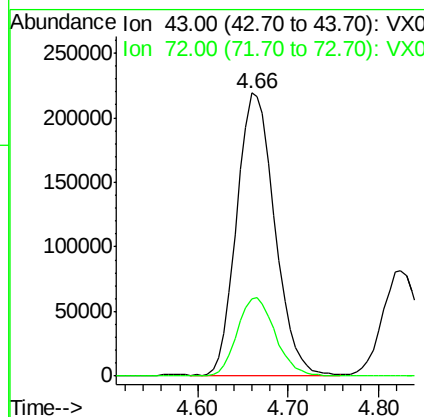
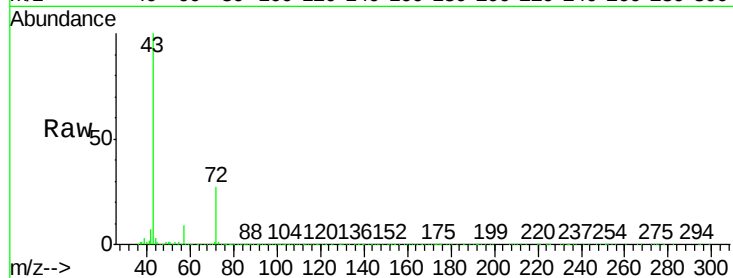
Ion Ratio Lower Upper

43 100

72 27.2 21.8 32.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#26

2,2-Dichloropropane

Concen: 50.212 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011751.D

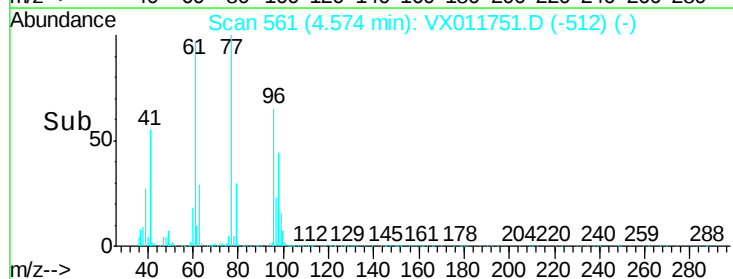
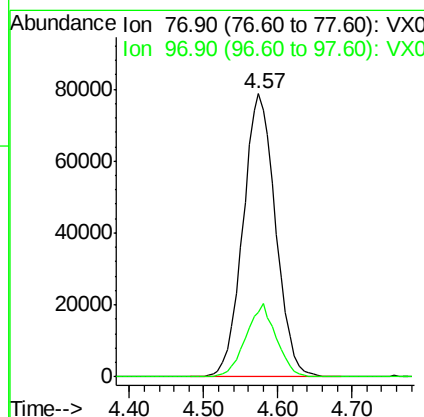
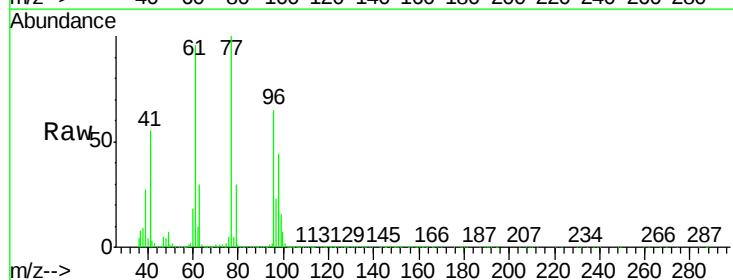
Acq: 22 Aug 2019 10:06

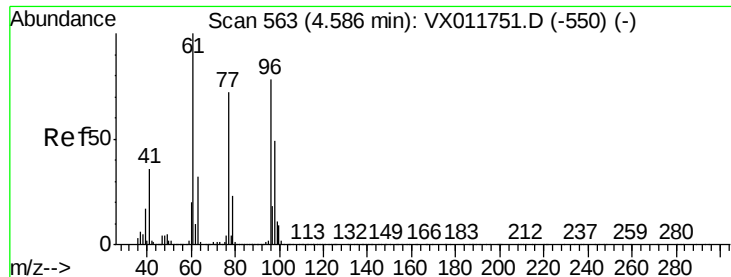
Tgt Ion: 77 Resp: 240340

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

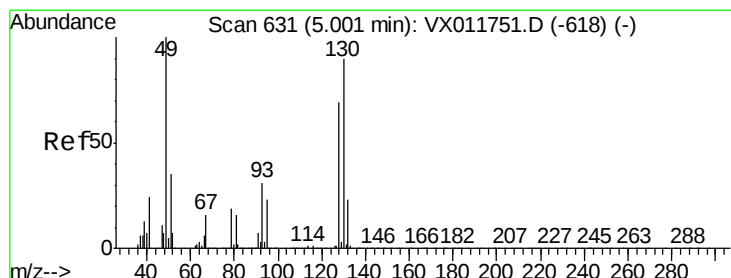
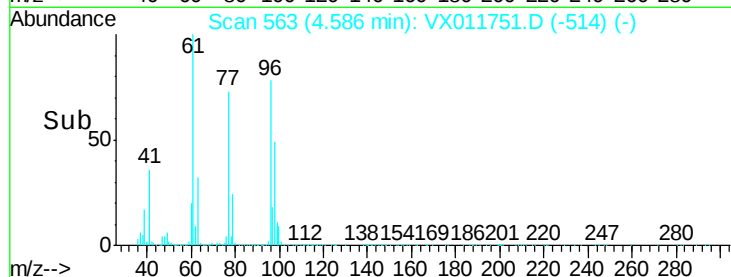
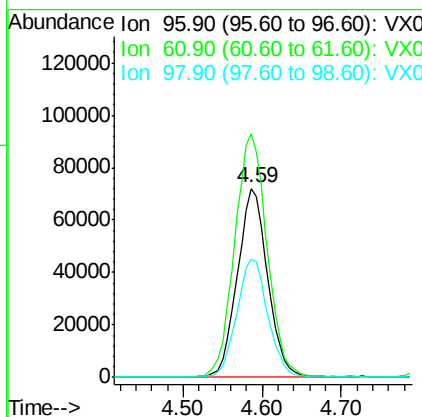
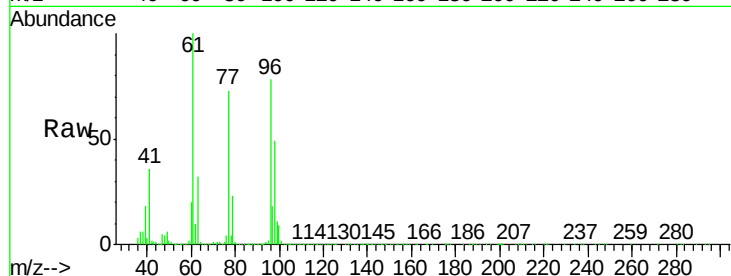
cis-1,2-Dichloroethene
Concen: 46.417 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	192105		
61	137.9	0.0	275.8	
98	64.1	0.0	128.2	

Manual Integrations
APPROVED

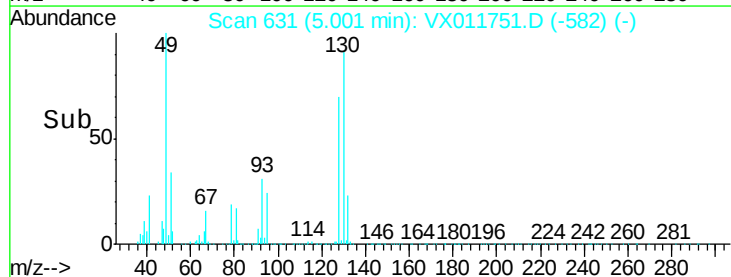
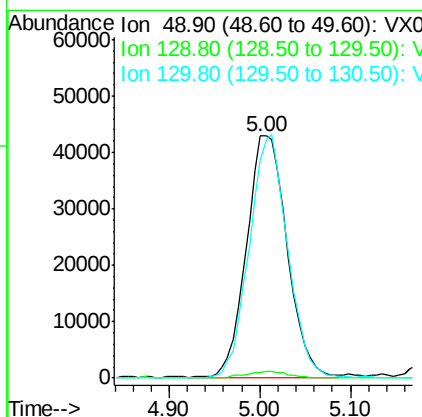
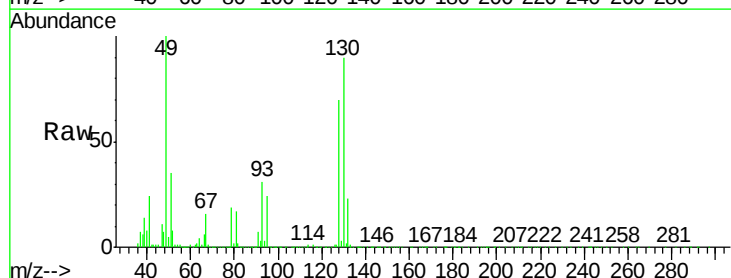
MMDadoda
8/23/2019 1:55:49 PM

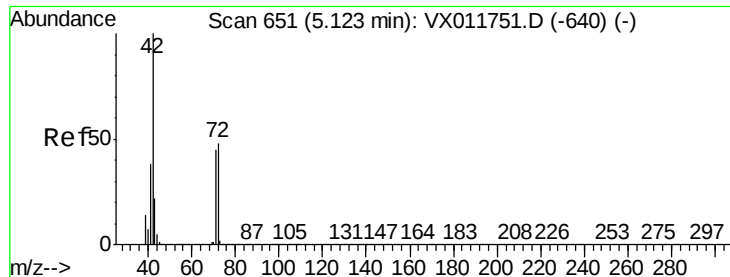


#28

Bromochloromethane
Concen: 47.790 ug/l
RT: 5.00 min Scan# 631
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132042		
129	2.9	0.0	5.8	
130	96.0	76.8	115.2	





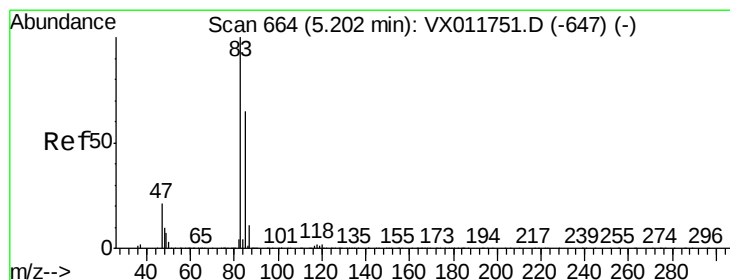
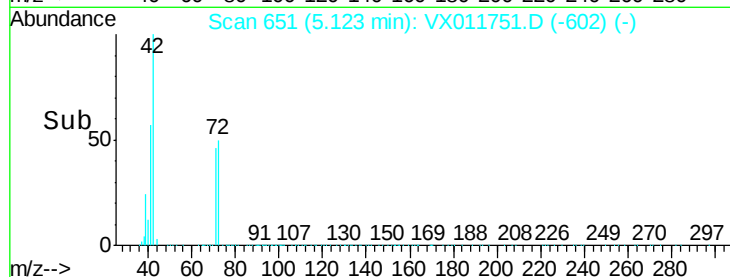
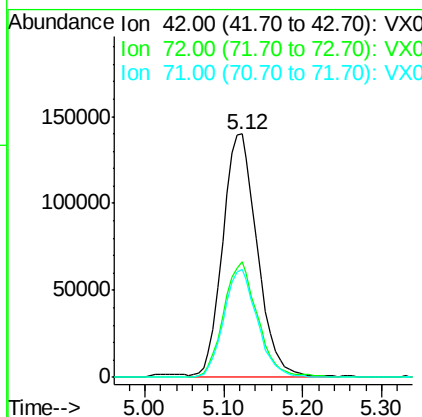
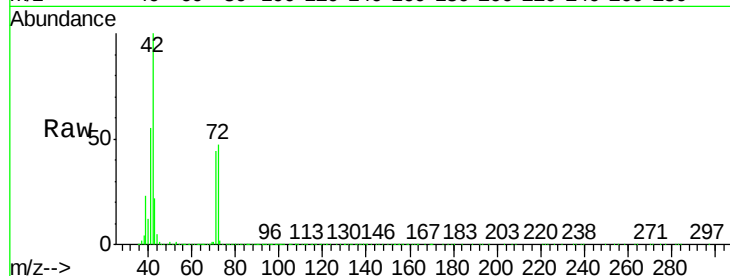
#29
Tetrahydrofuran
Concen: 226.719 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.6	56.4
71	43.2	34.6	51.8

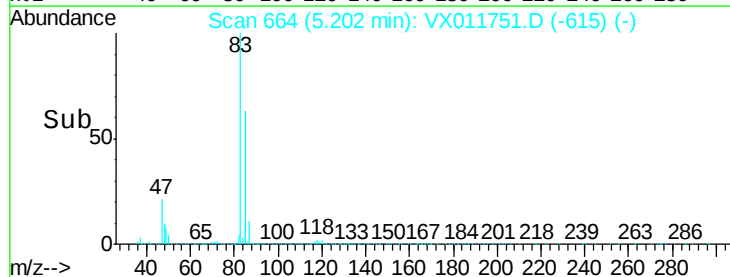
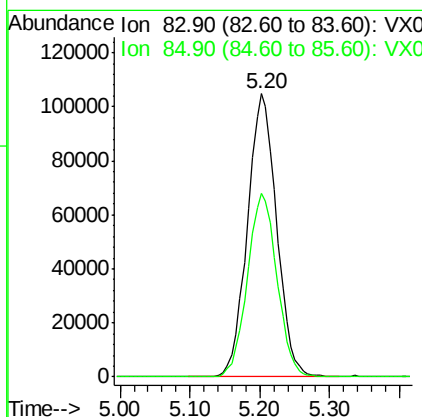
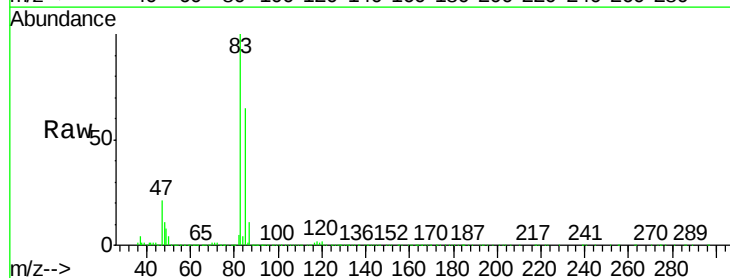
Manual Integrations
APPROVED

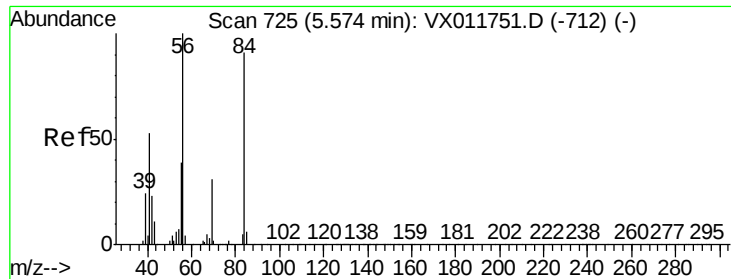
MMDadoda
8/23/2019 1:55:49 PM



#30
Chloroform
Concen: 45.907 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





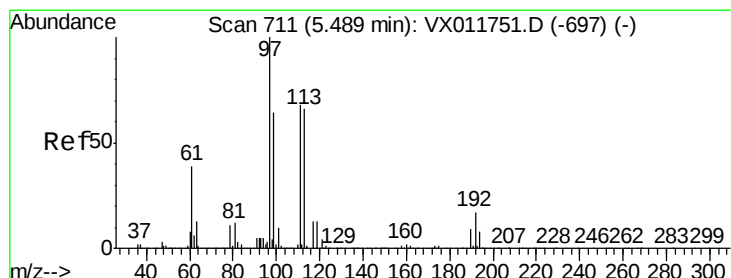
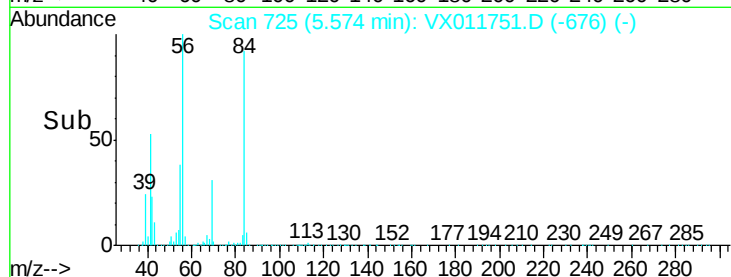
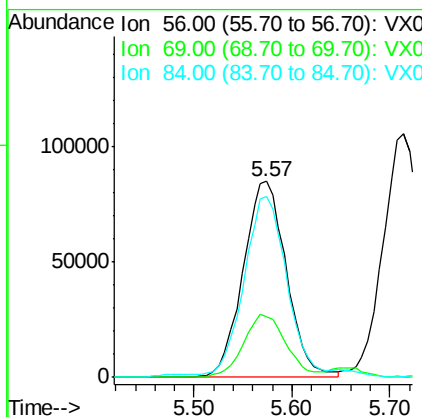
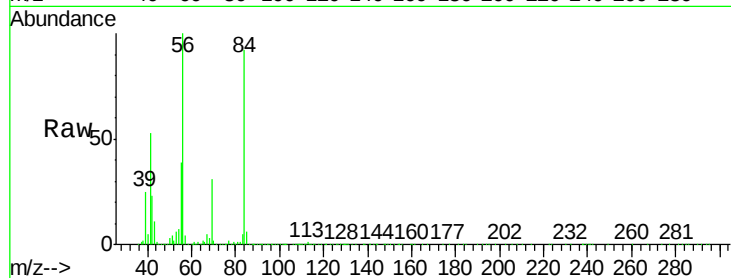
#31
Cvclohexane
Concen: 48.144 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.5	36.7
84	90.9	72.7	109.1

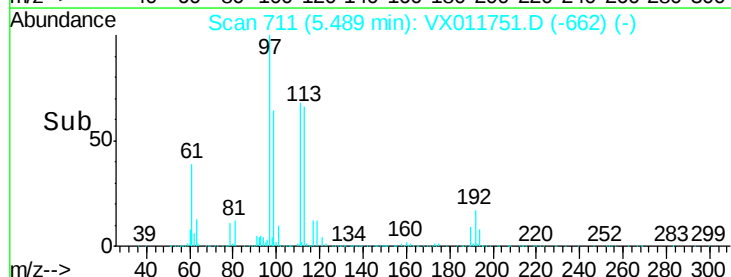
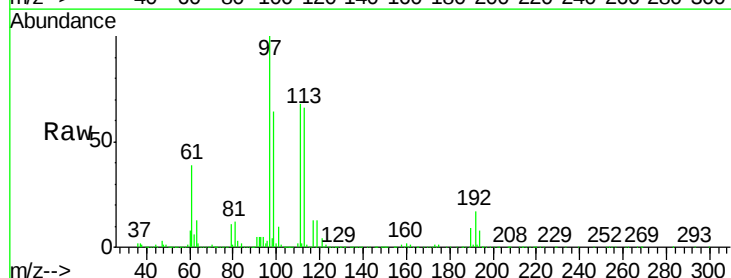
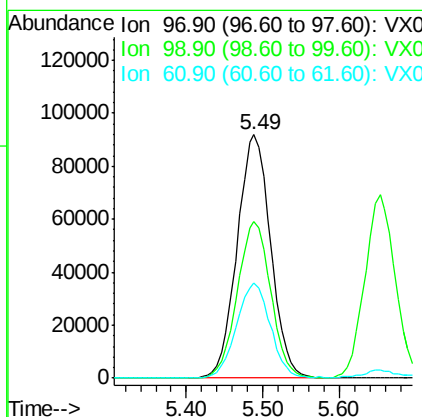
Manual Integrations
APPROVED

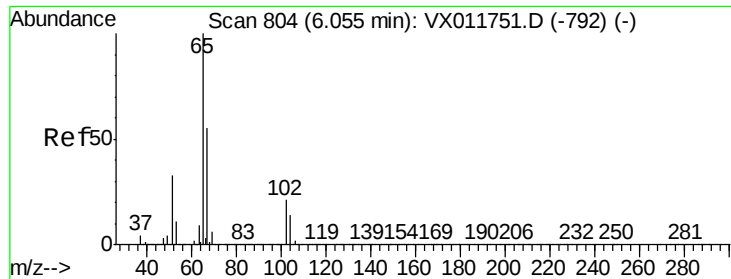
MMDadoda
8/23/2019 1:55:49 PM



#32
1,1,1-Trichloroethane
Concen: 48.870 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	39.5	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 51.757 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 196351

Ion Ratio Lower Upper

65 100

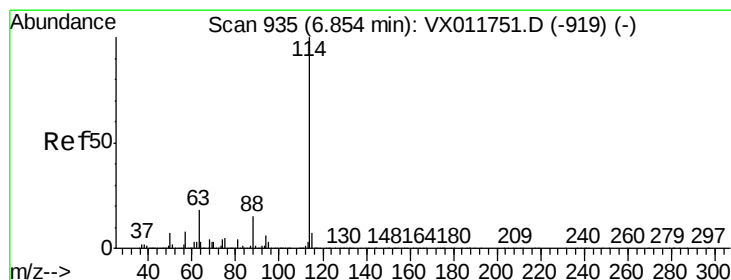
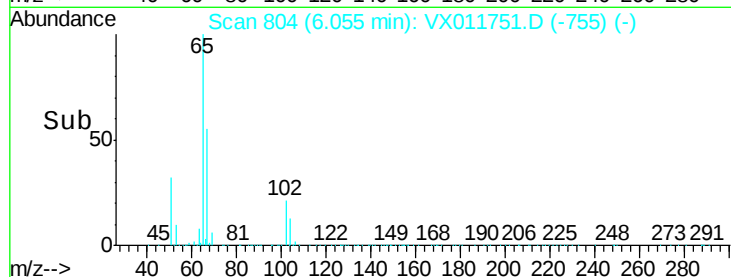
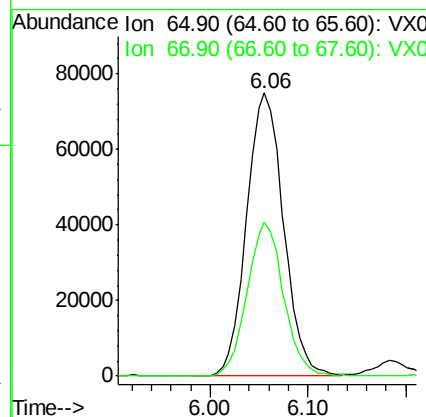
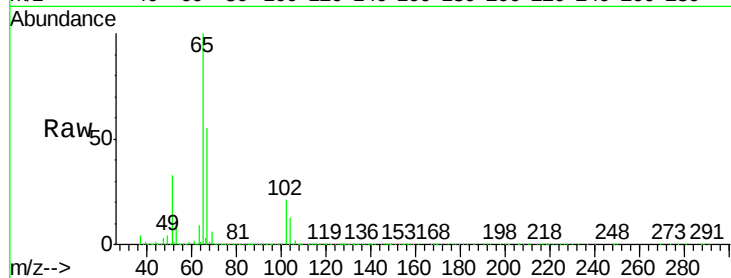
67 53.9 0.0 107.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:49 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

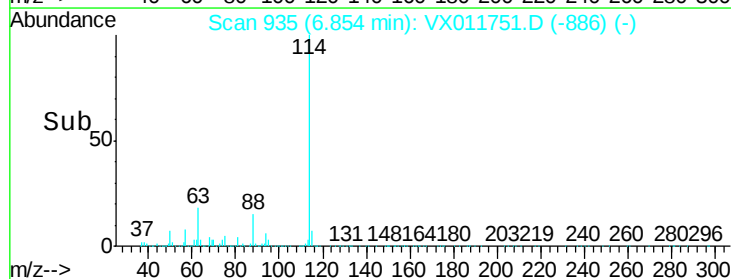
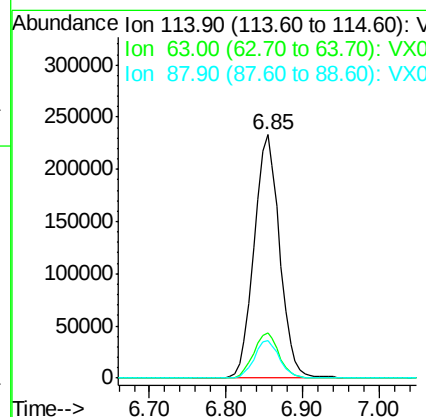
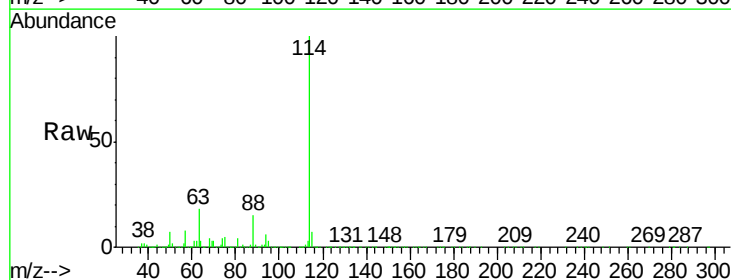
Tgt Ion: 114 Resp: 543715

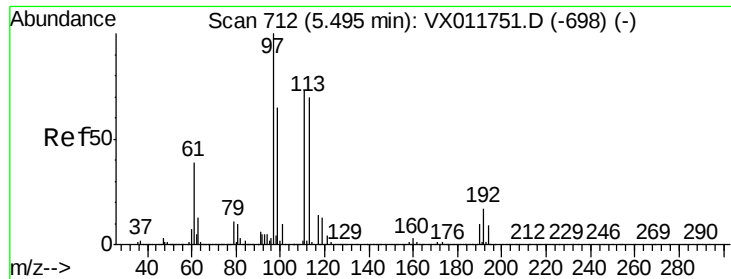
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

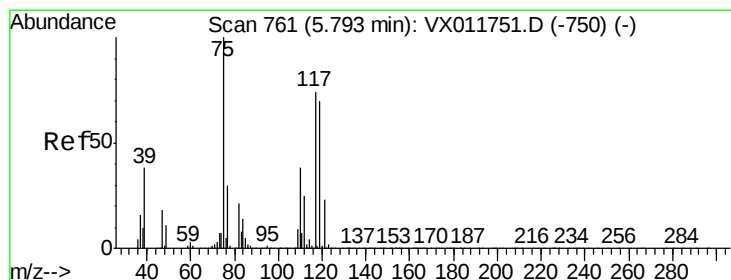
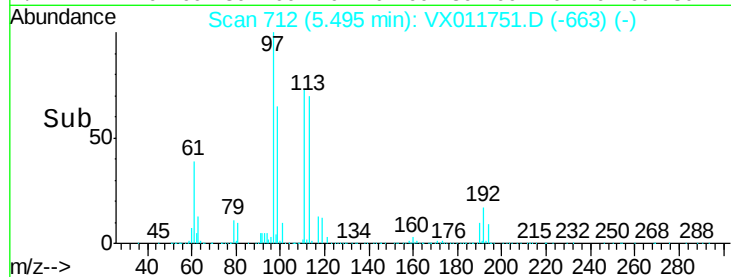
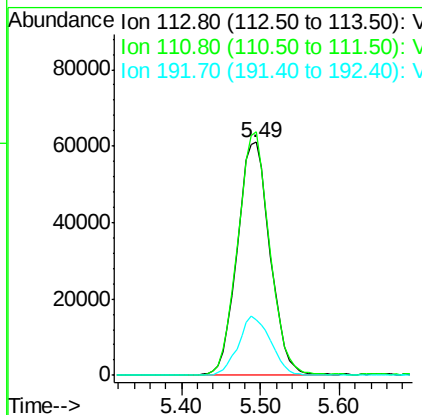
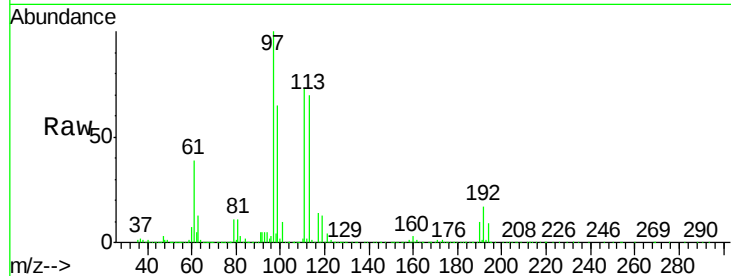
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	176572
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.0	121.4
192	24.9	19.9	29.9

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#36

1,1-Dichloropropene

Concen: 46.657 ug/l

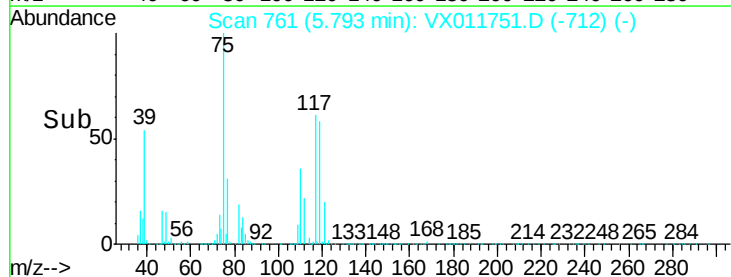
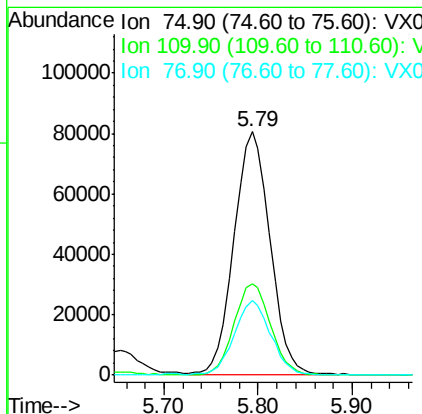
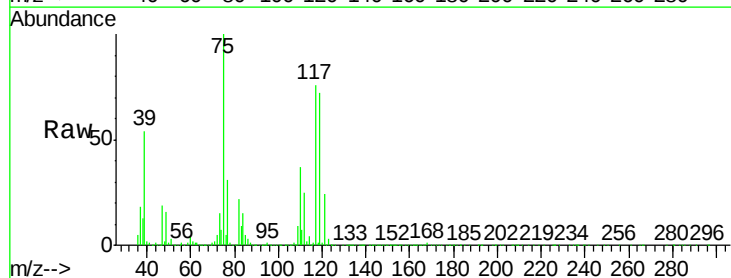
RT: 5.79 min Scan# 761

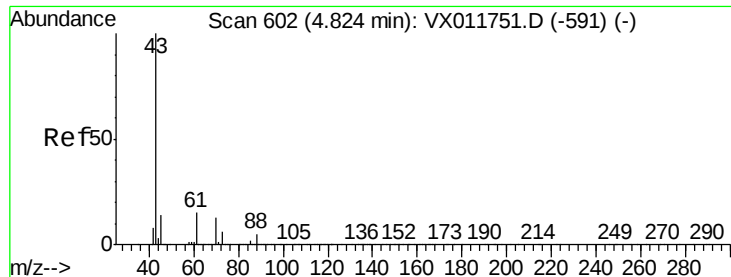
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	75	Resp:	213441
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.0	57.0
77	30.7	24.6	36.8





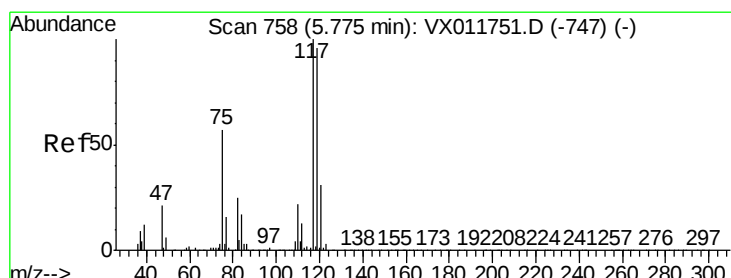
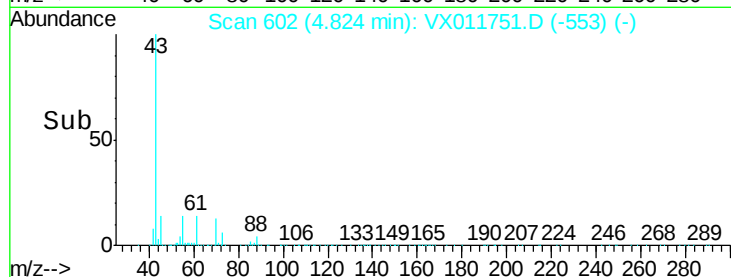
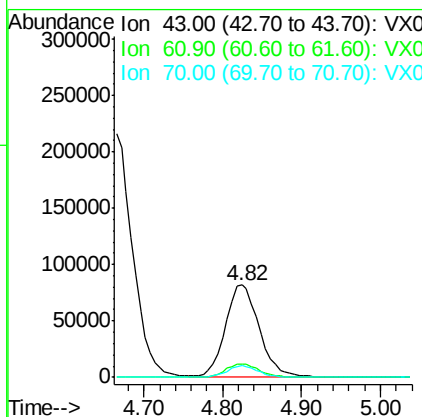
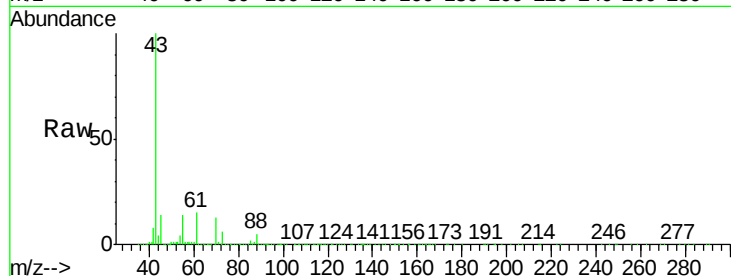
#37
Ethyl Acetate
Concen: 45.869 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	240003
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.5	17.3
70	11.9	9.5	14.3

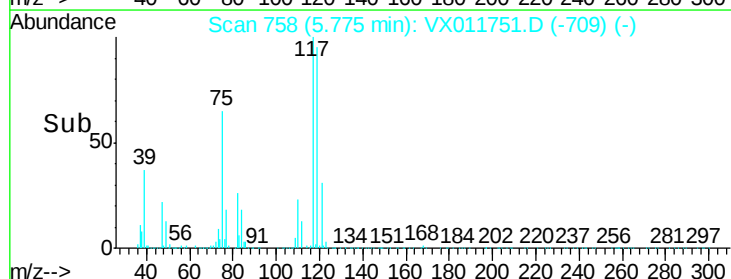
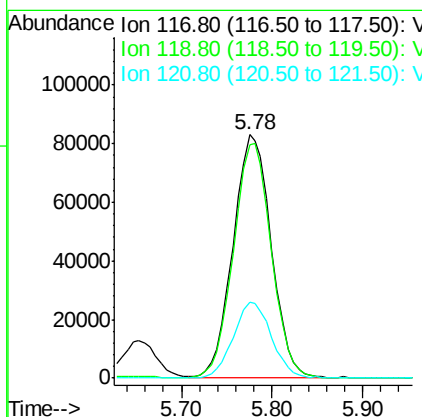
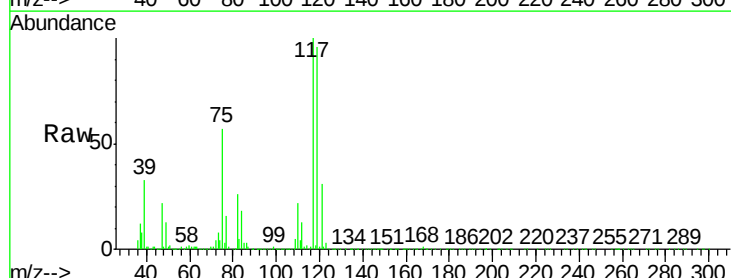
Manual Integrations
APPROVED

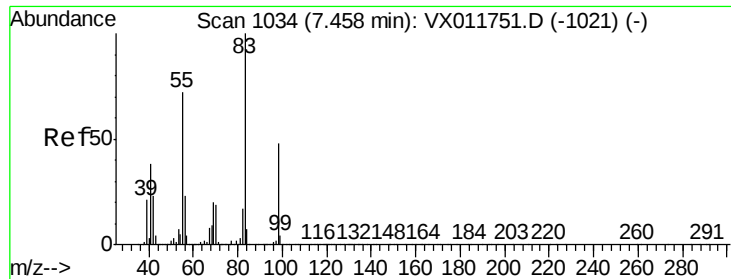
MMDadoda
8/23/2019 1:55:49 PM



#38
Carbon Tetrachloride
Concen: 47.825 ug/l
RT: 5.78 min Scan# 758
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	117	Resp	241811
Ion Ratio	Lower	Upper	
117	100		
119	95.7	76.6	114.8
121	31.5	25.2	37.8





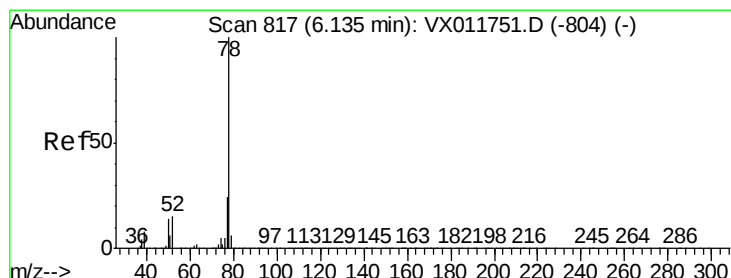
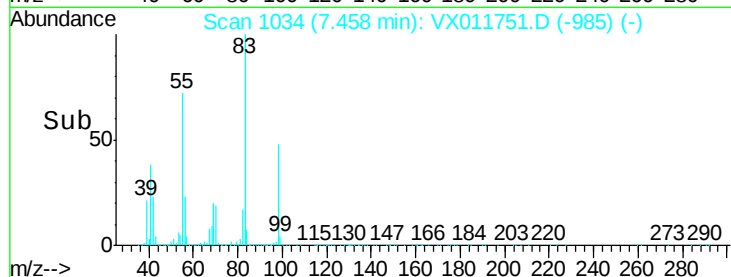
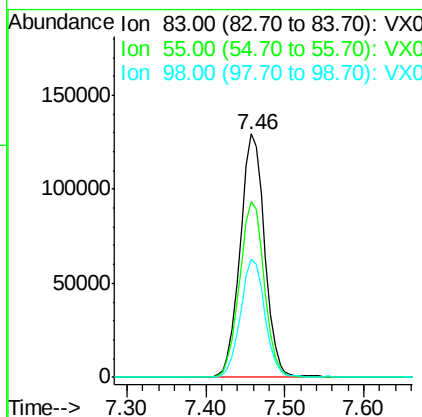
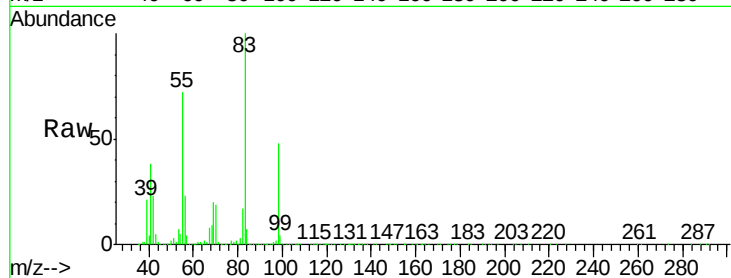
#39
Methvlcvclohexane
Concen: 48.966 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.8	86.6
98	48.3	38.6	58.0

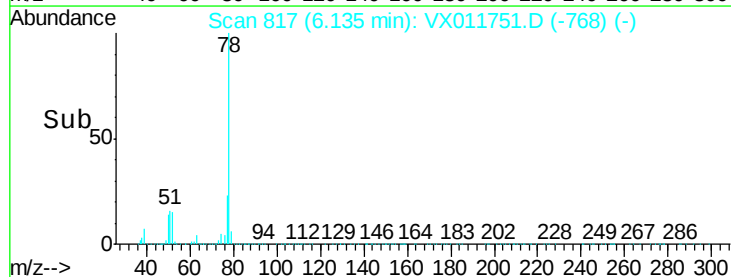
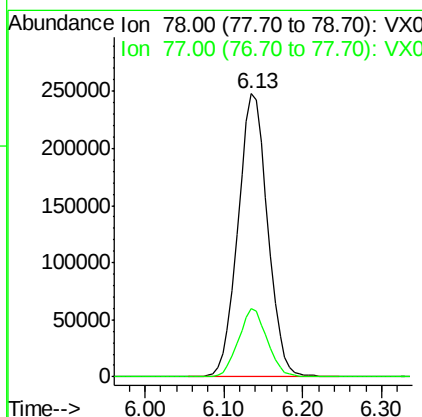
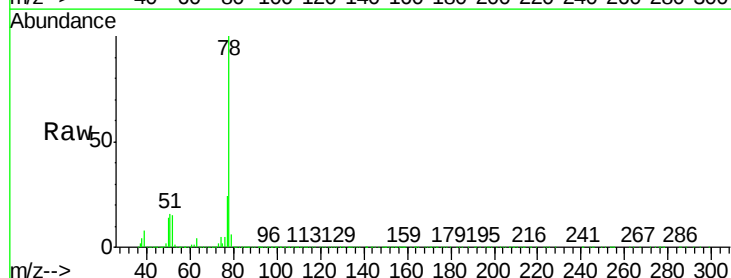
Manual Integrations
APPROVED

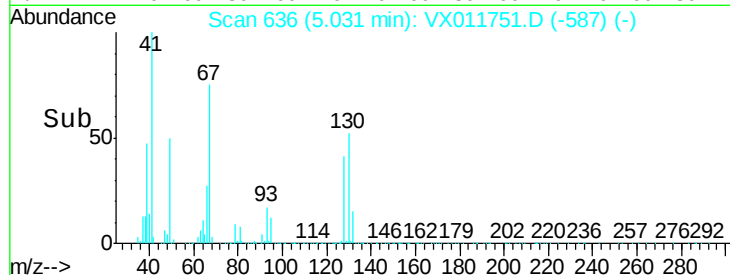
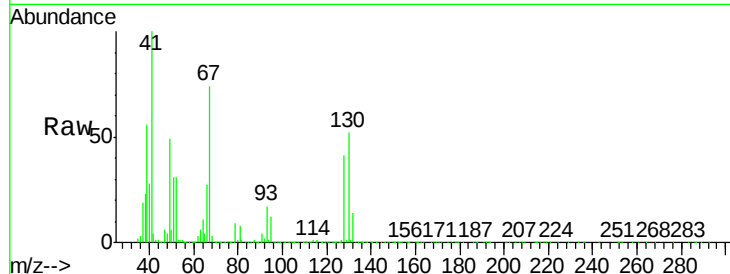
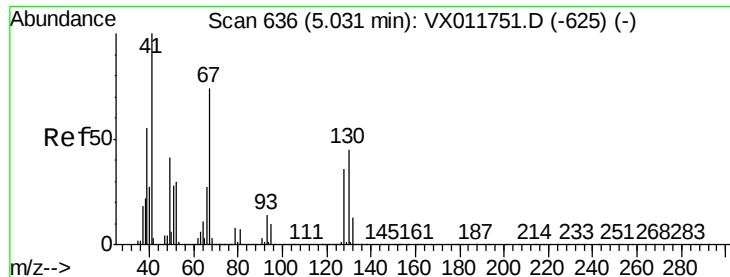
MMDadoda
8/23/2019 1:55:49 PM



#40
Benzene
Concen: 45.682 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

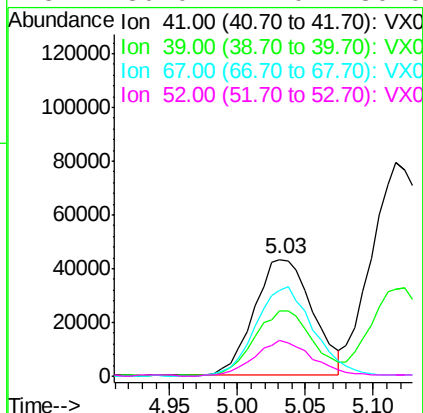
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41
Methacrylonitrile
Concen: 45.371 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

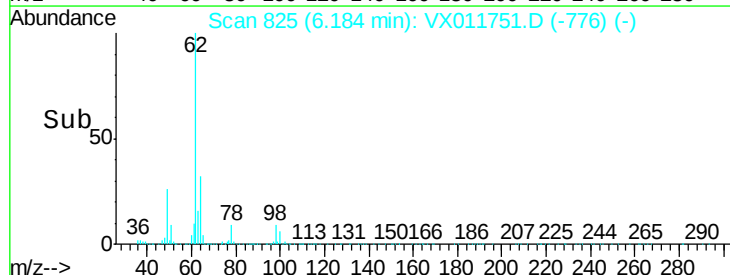
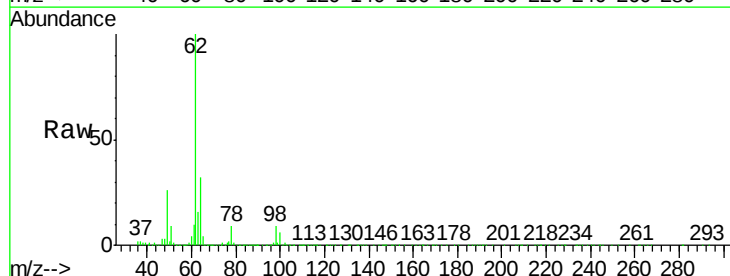
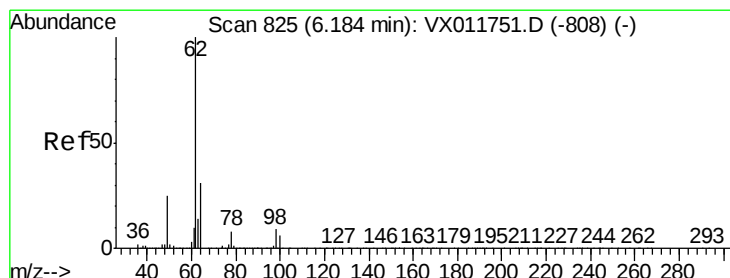
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		129903		
39	55.4	44.3	66.5		
67	75.4	60.3	90.5		
52	30.0	24.0	36.0		



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

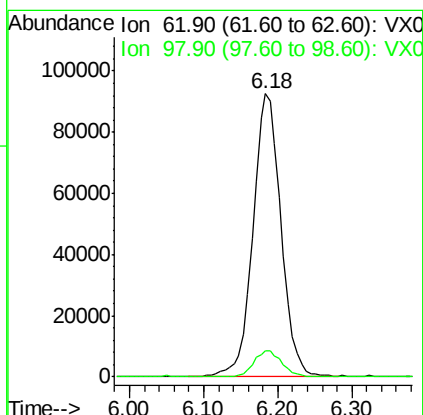
Manual Integrations
APPROVED

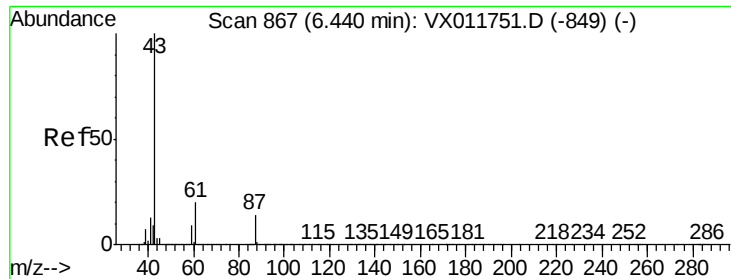
MMDadoda
8/23/2019 1:55:49 PM



#42
1,2-Dichloroethane
Concen: 48.966 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		242926		
98	9.4	0.0	18.8		





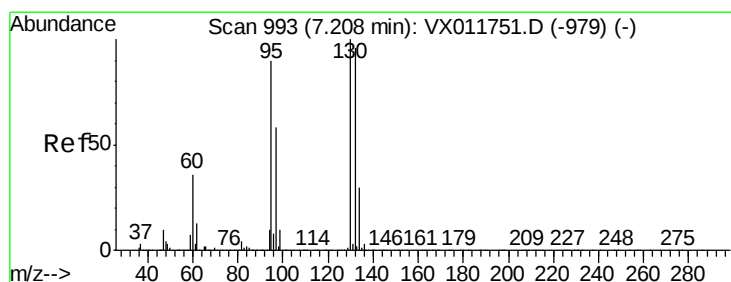
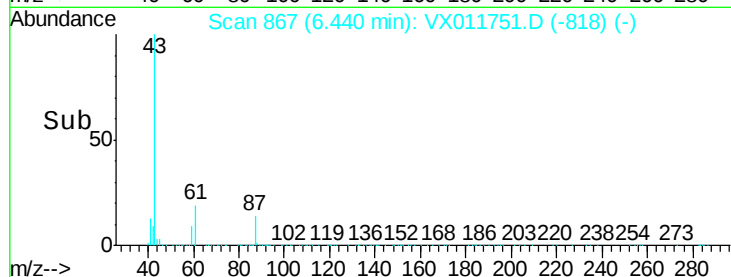
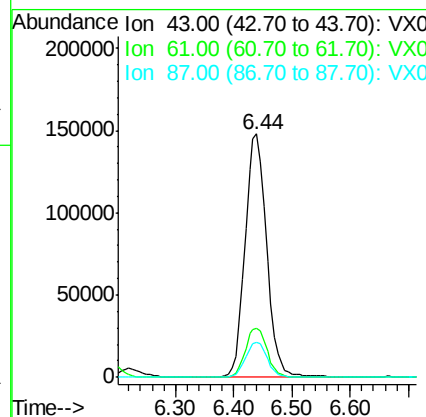
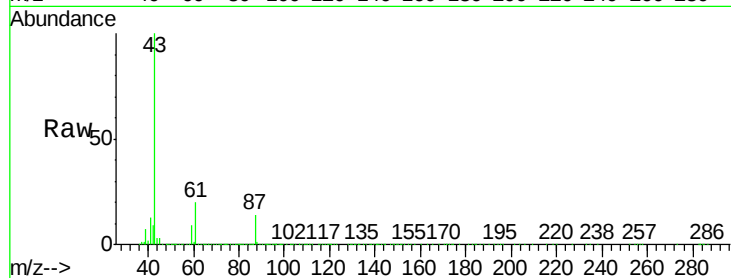
#43
Isopropyl Acetate
Concen: 46.096 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.2	24.2
87	14.5	11.6	17.4

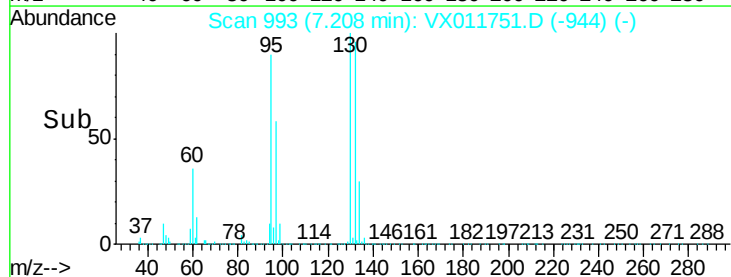
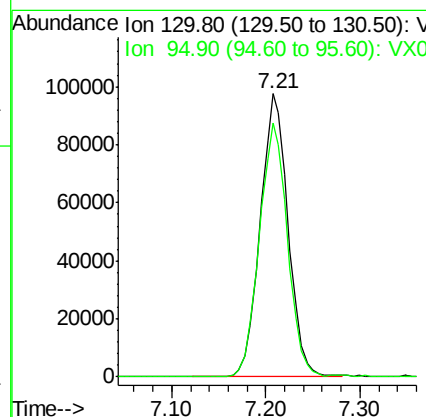
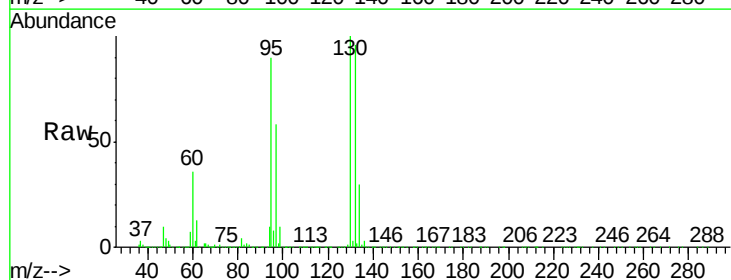
Manual Integrations
APPROVED

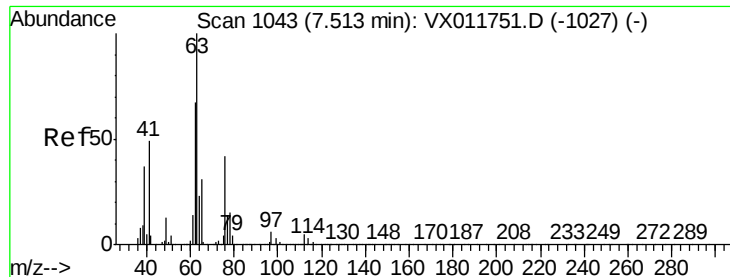
MMDadoda
8/23/2019 1:55:49 PM



#44
Trichloroethene
Concen: 47.810 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	179.0





#45

1,2-Dichloropropane

Concen: 47.314 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 167533

Ion Ratio Lower Upper

63 100

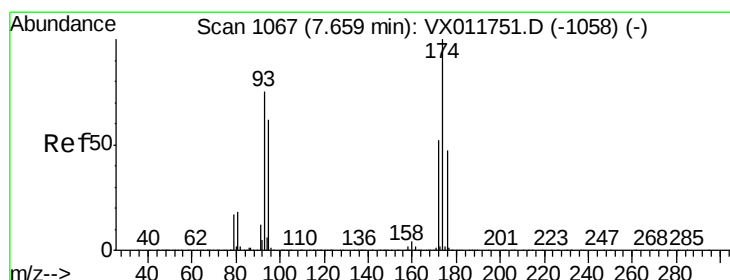
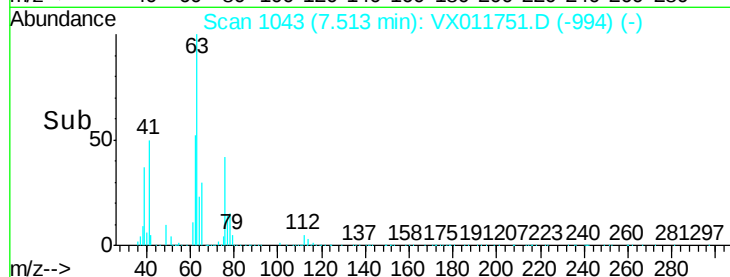
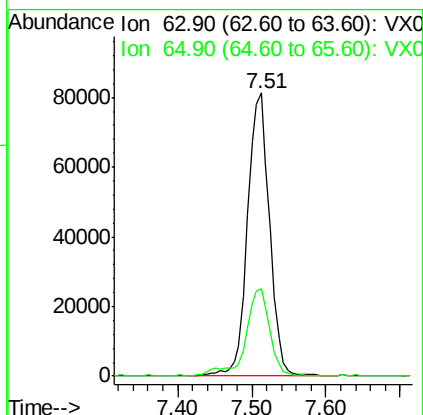
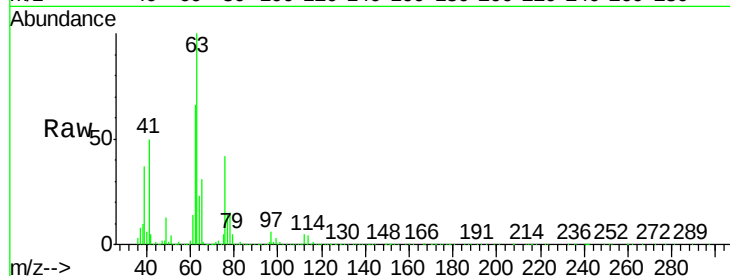
65 31.0 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:49 PM



#46

Dibromomethane

Concen: 46.733 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

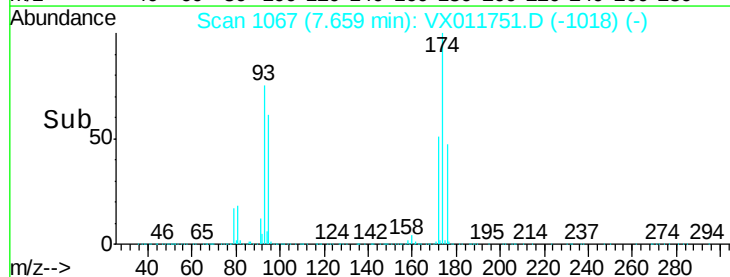
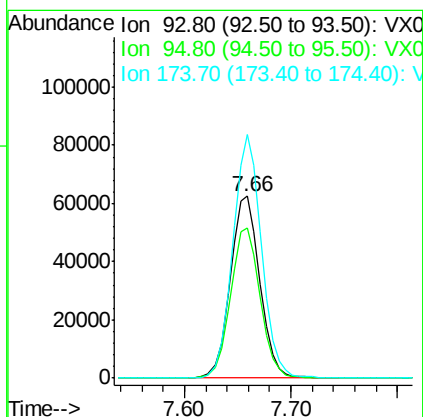
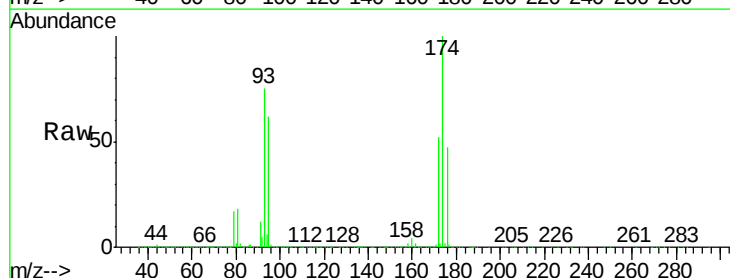
Tgt Ion: 93 Resp: 121278

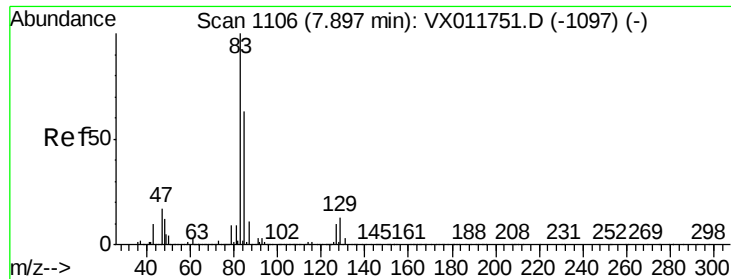
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.2

174 130.3 104.2 156.4





#47

Bromodichloromethane

Concen: 48.428 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

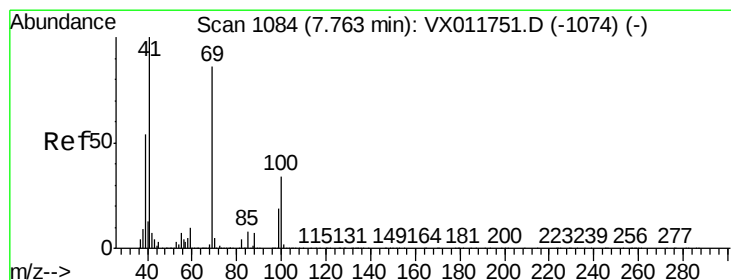
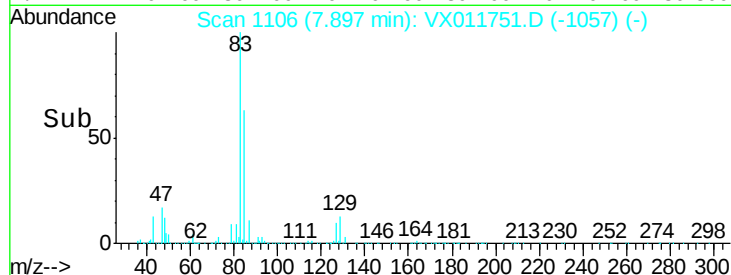
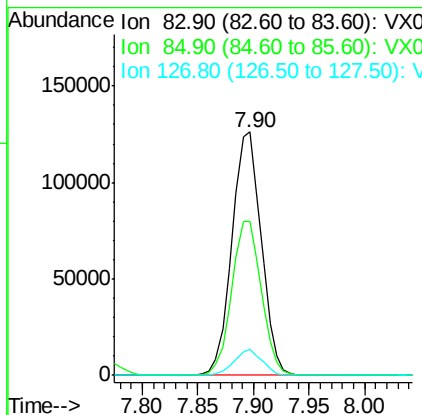
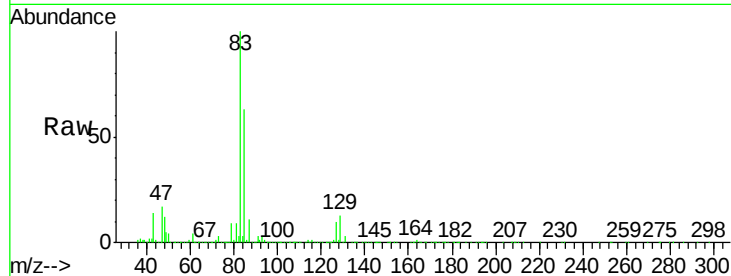
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	229977
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#48

Methyl methacrylate

Concen: 47.501 ug/l

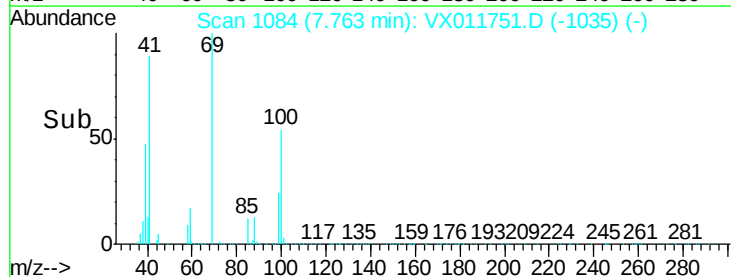
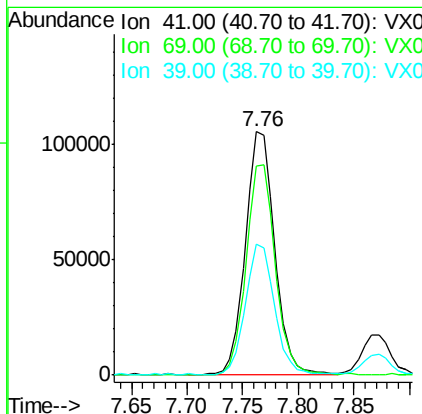
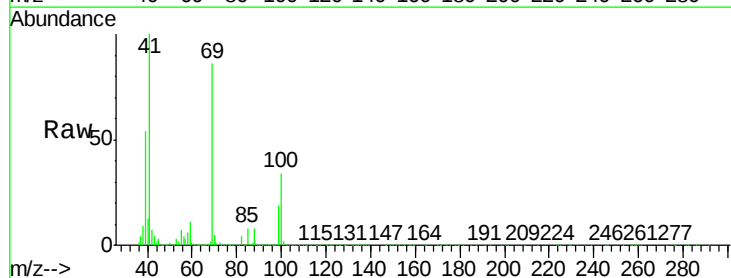
RT: 7.76 min Scan# 1084

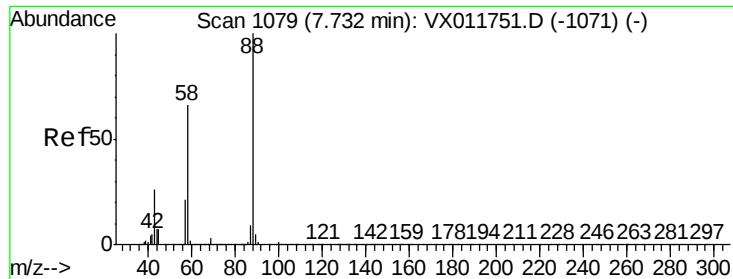
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	41	Resp:	192413
Ion	Ratio	Lower	Upper
41	100		
69	86.8	69.4	104.2
39	54.5	43.6	65.4





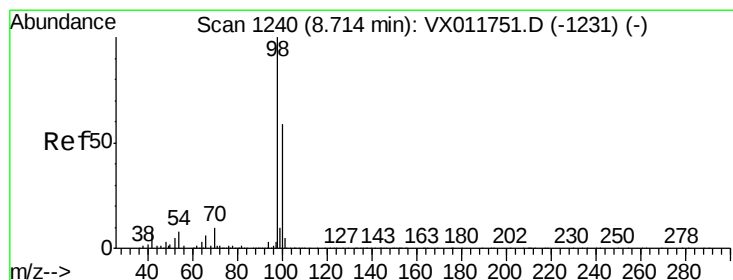
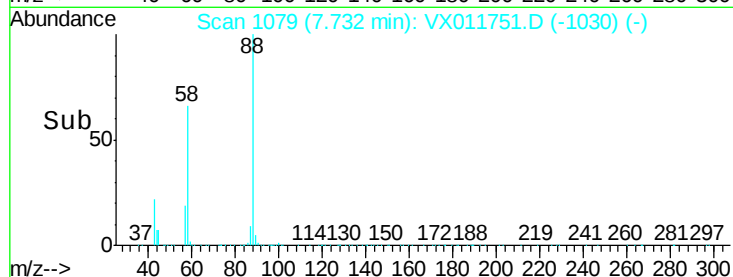
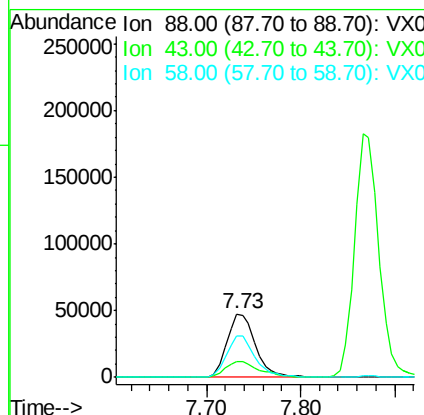
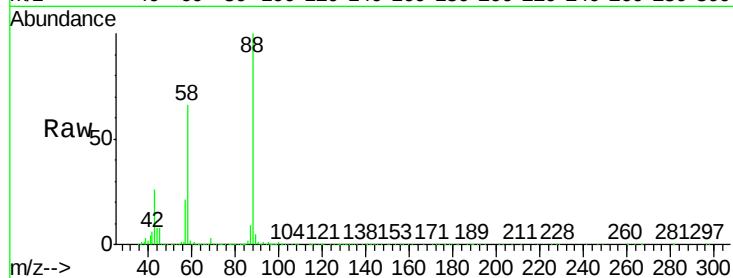
#49
1,4-Dioxane
Concen: 923.827 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.6	37.0
58	64.3	51.4	77.2

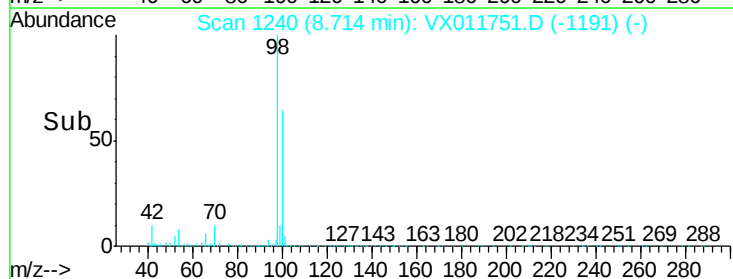
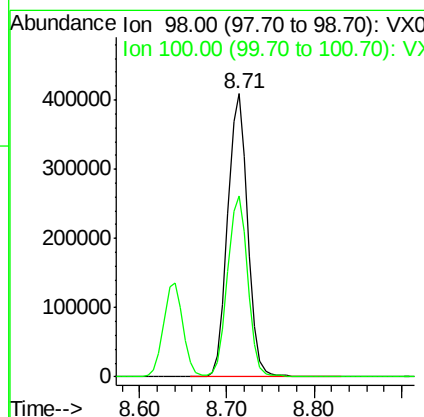
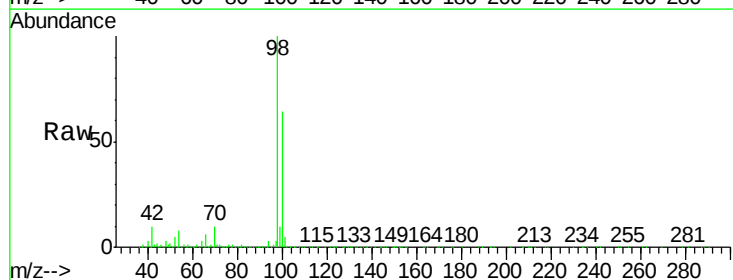
Manual Integrations
APPROVED

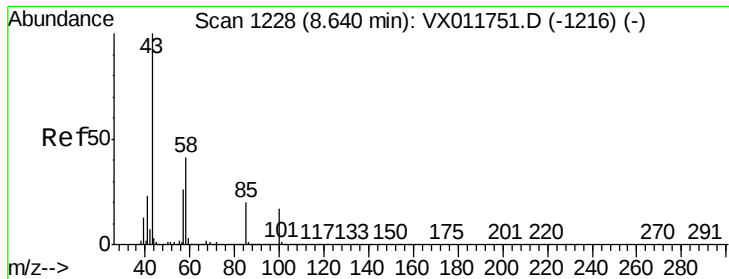
MMDadoda
8/23/2019 1:55:49 PM



#50
Toluene-d8
Concen: 56.008 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





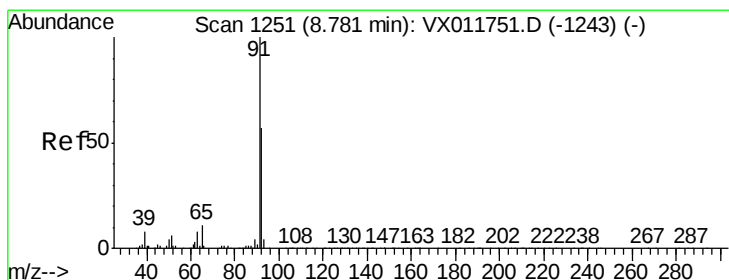
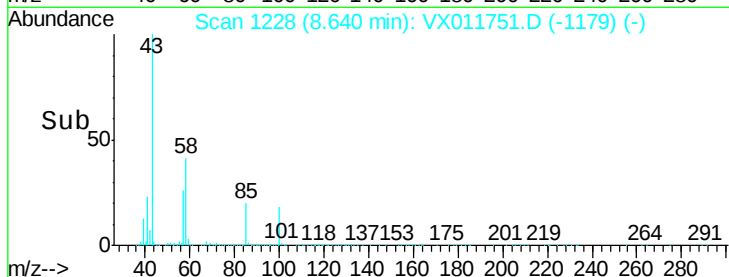
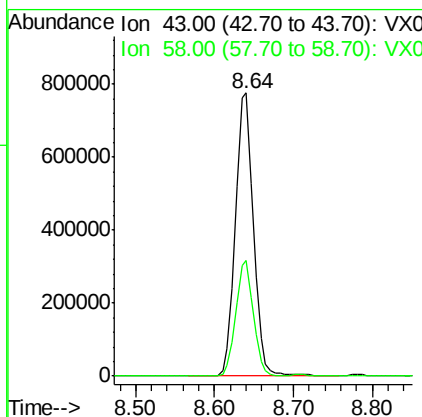
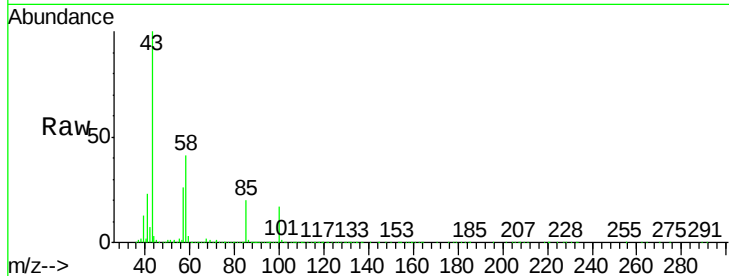
#51
4-Methyl-2-Pentanone
Concen: 232.026 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1237826
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6

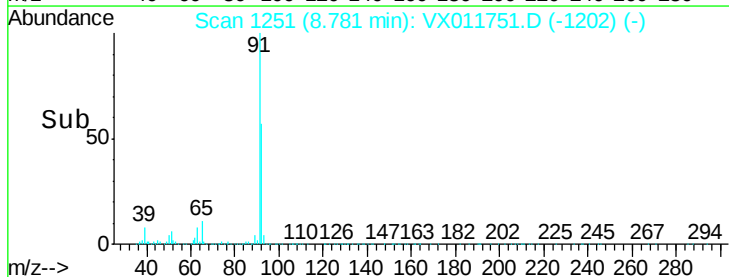
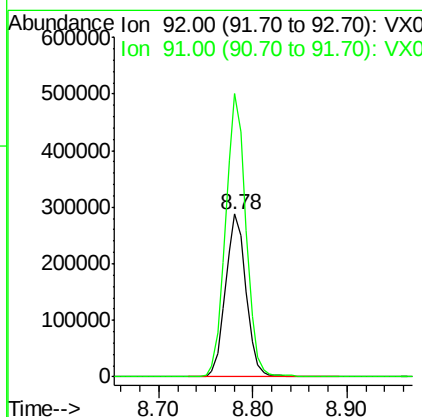
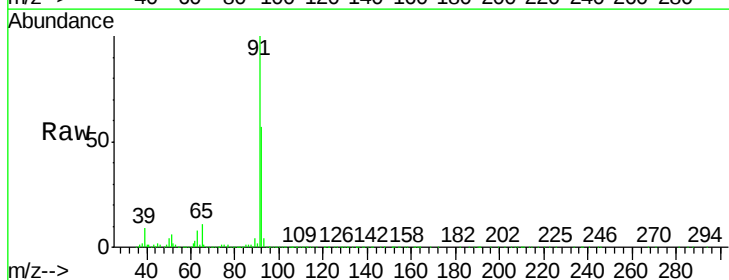
Manual Integrations
APPROVED

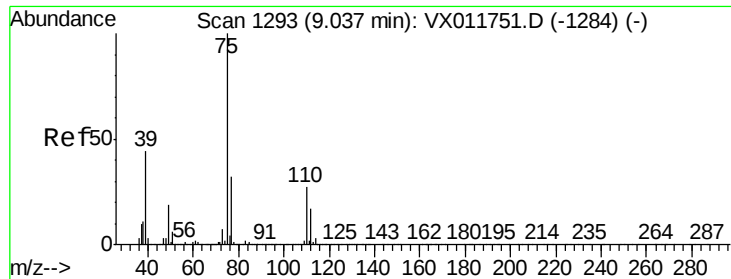
MMDadoda
8/23/2019 1:55:49 PM



#52
Toluene
Concen: 47.744 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion: 92 Resp: 434551
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





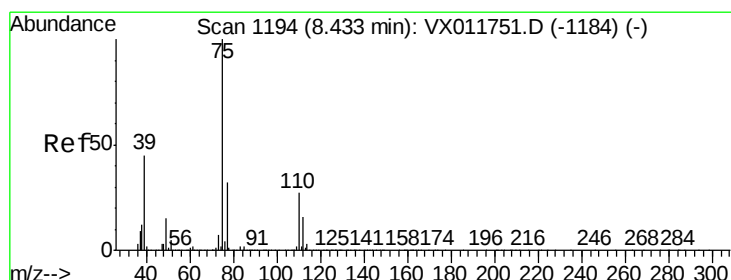
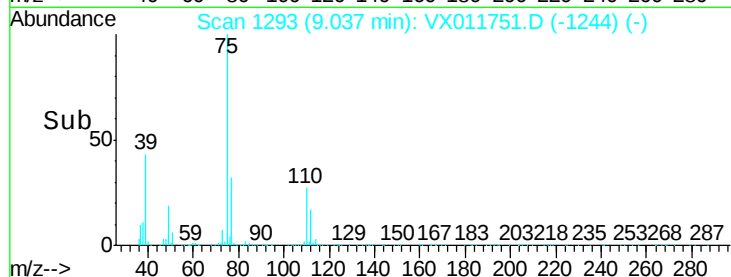
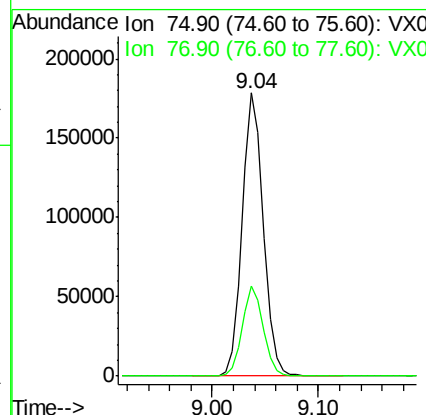
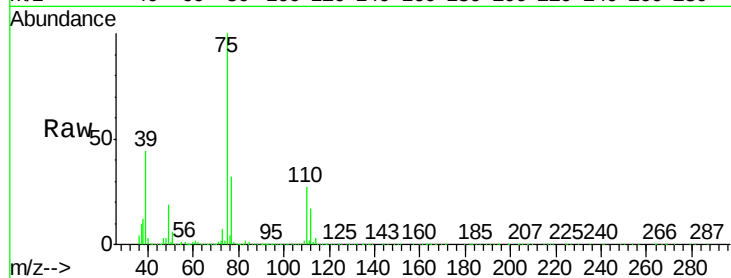
#53
t-1,3-Dichloropropene
Concen: 50.563 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

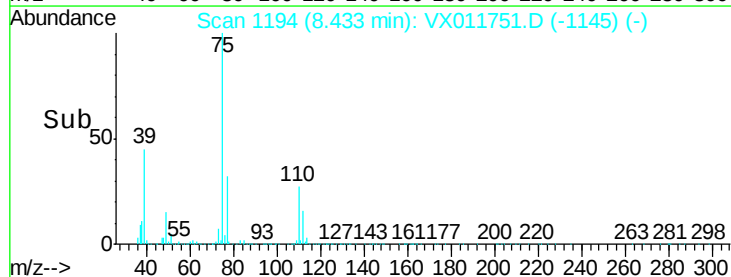
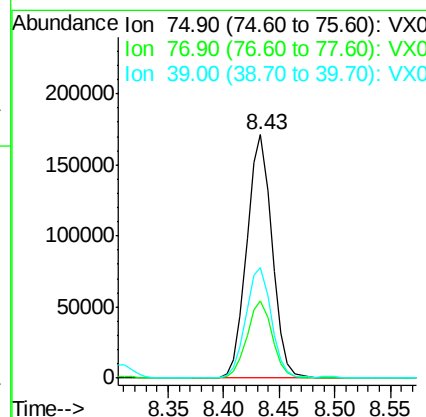
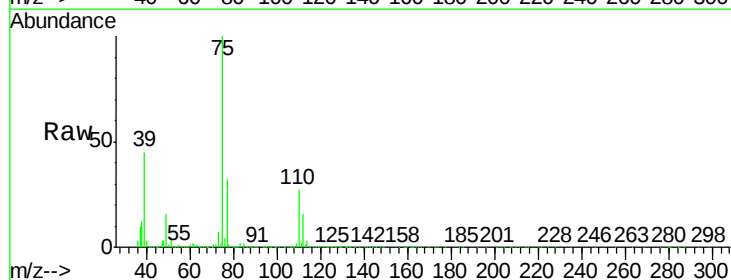
Manual Integrations
APPROVED

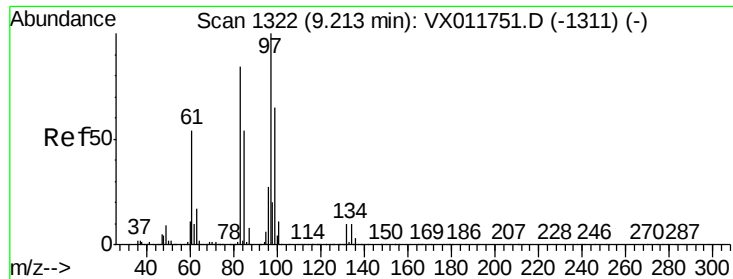
MMDadoda
8/23/2019 1:55:49 PM



#54
cis-1,3-Dichloropropene
Concen: 50.055 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	45.3	36.2	54.4





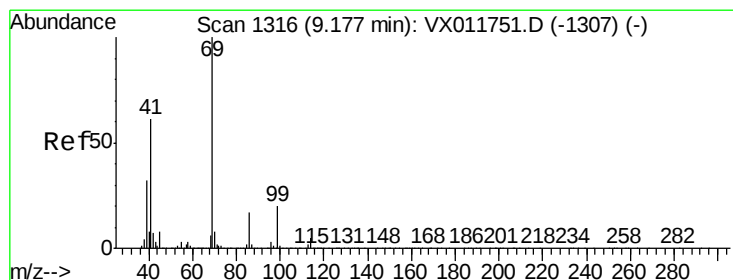
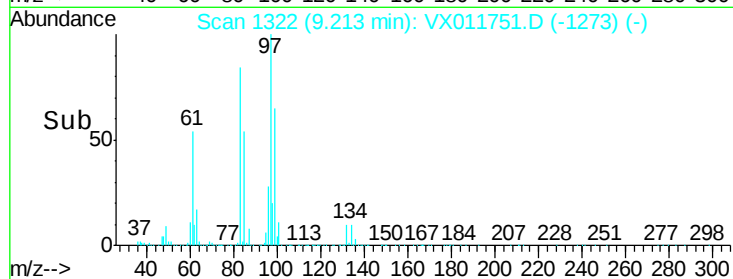
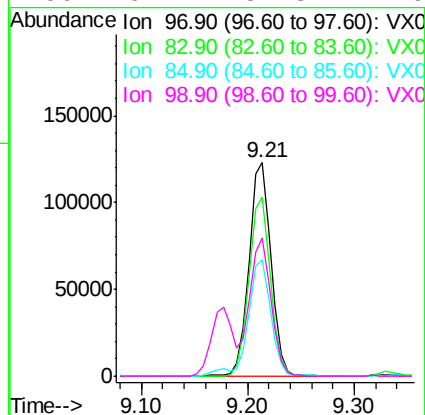
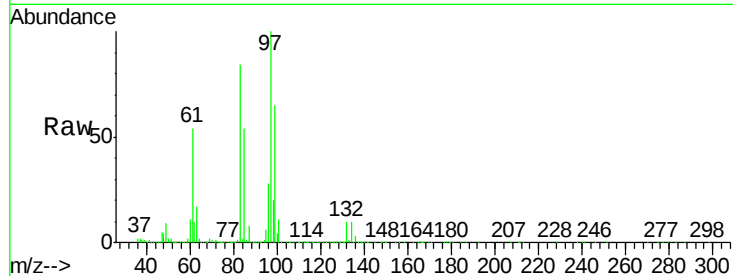
#55
 1,1,2-Trichloroethane
 Concen: 46.277 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		178616		
83	84.1	67.3	100.9		
85	54.3	43.4	65.2		
99	64.7	51.8	77.6		

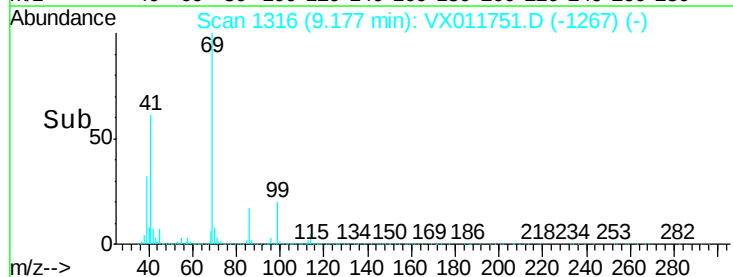
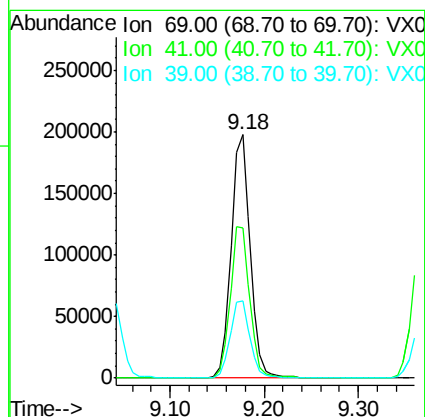
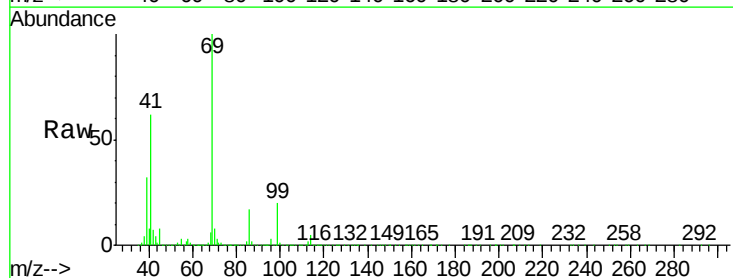
Manual Integrations
 APPROVED

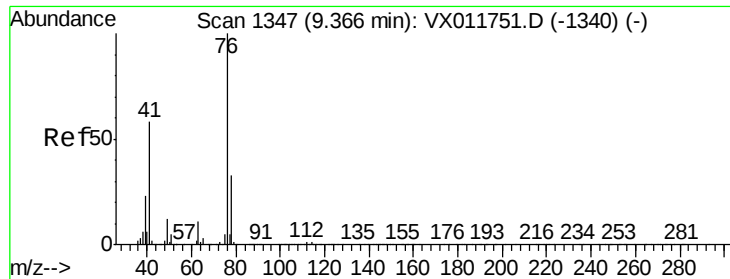
MMDadoda
 8/23/2019 1:55:49 PM



#56
 Ethyl methacrylate
 Concen: 49.485 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		277269		
41	63.4	50.7	76.1		
39	33.0	26.4	39.6		





#57

1,3-Dichloropropane

Concen: 45.111 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 274823

Ion Ratio Lower Upper

76 100

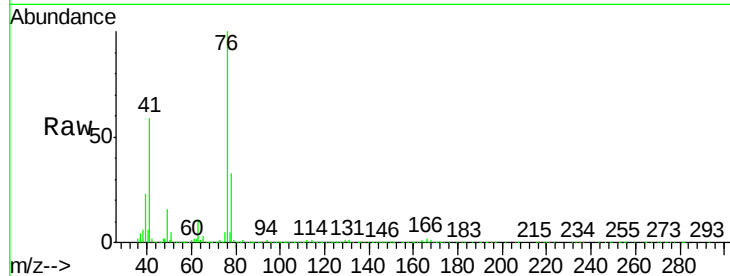
78 33.2 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

150000

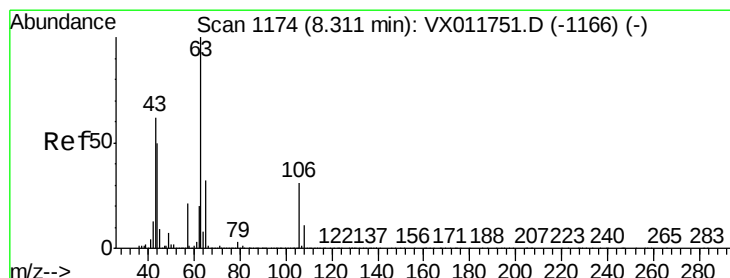
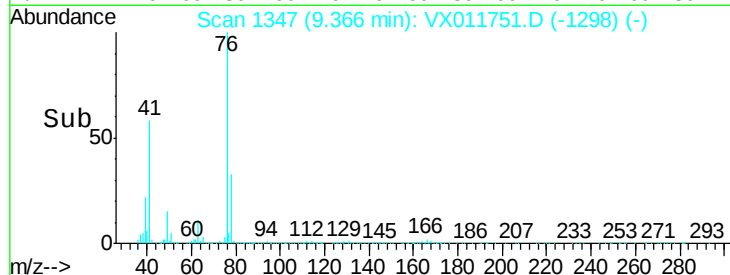
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.520 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX011751.D

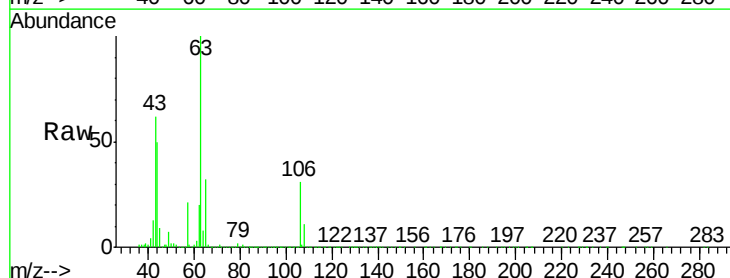
Acq: 22 Aug 2019 10:06

Tgt Ion: 63 Resp: 723874

Ion Ratio Lower Upper

63 100

106 31.1 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

500000

400000

300000

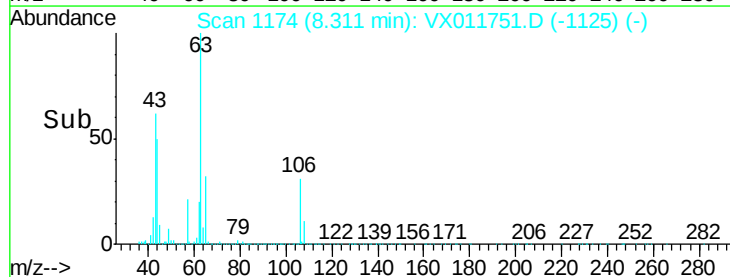
200000

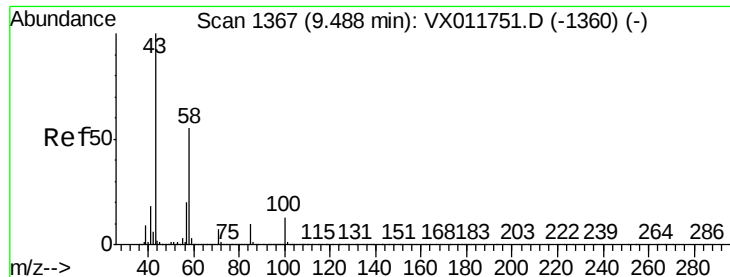
100000

0

8.20 8.25 8.30 8.35 8.40

Time-->





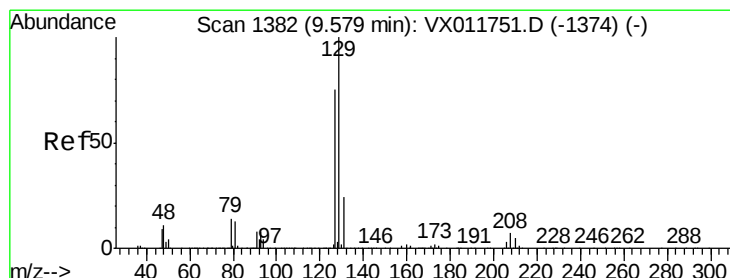
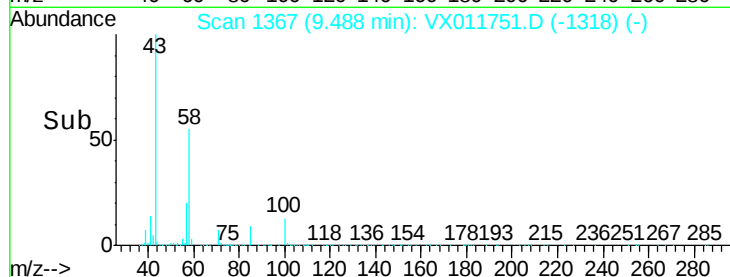
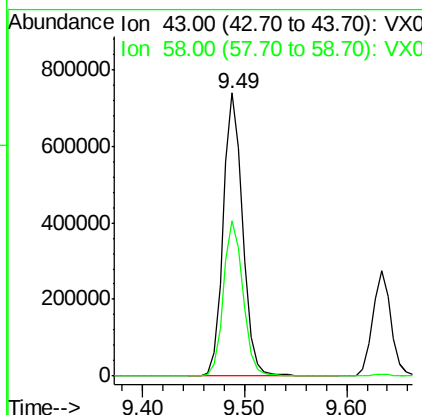
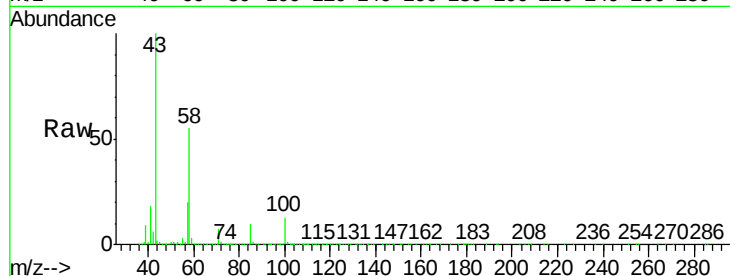
#59
2-Hexanone
Concen: 237.366 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 977922
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1

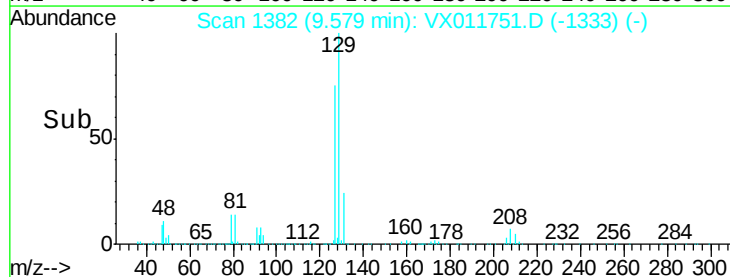
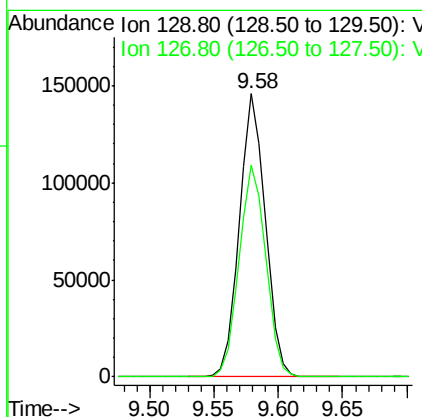
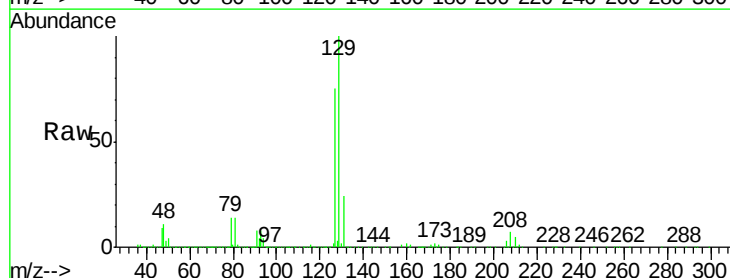
Manual Integrations
APPROVED

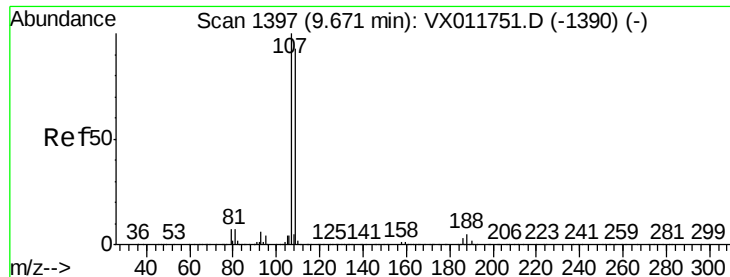
MMDadoda
8/23/2019 1:55:49 PM



#60
Dibromochloromethane
Concen: 50.834 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion: 129 Resp: 203959
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 47.920 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 197710

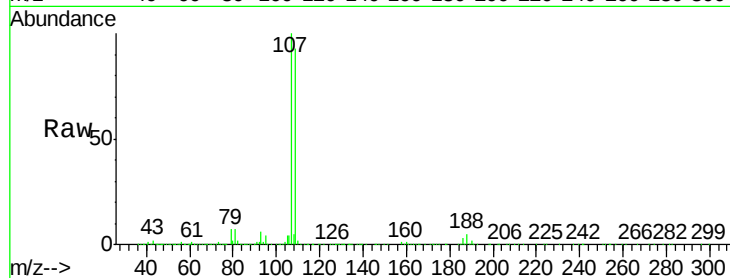
Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

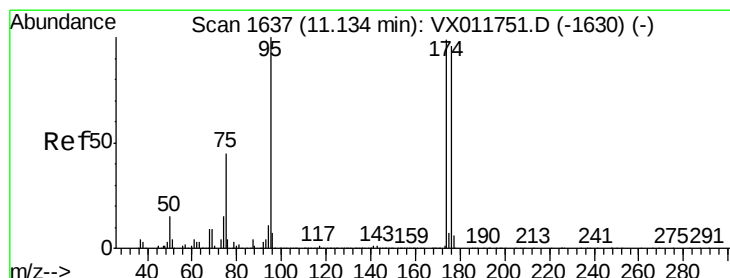
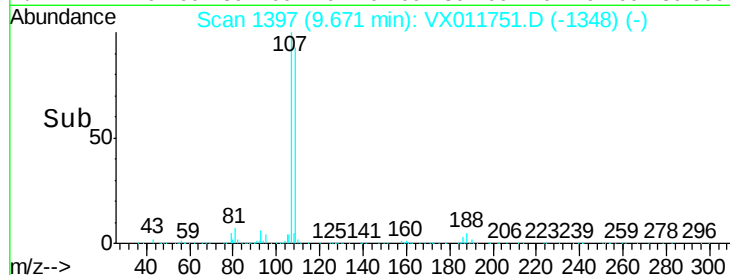
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.667 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

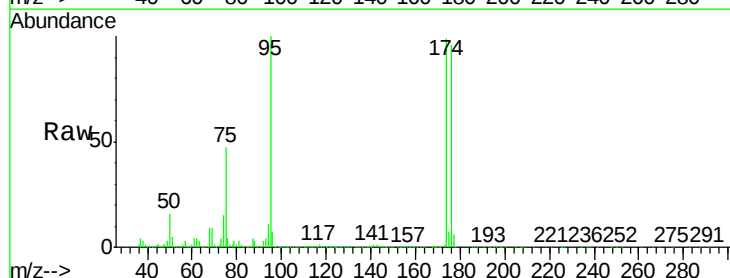
Tgt Ion: 95 Resp: 242026

Ion Ratio Lower Upper

95 100

174 98.7 0.0 197.4

176 97.2 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

250000

200000

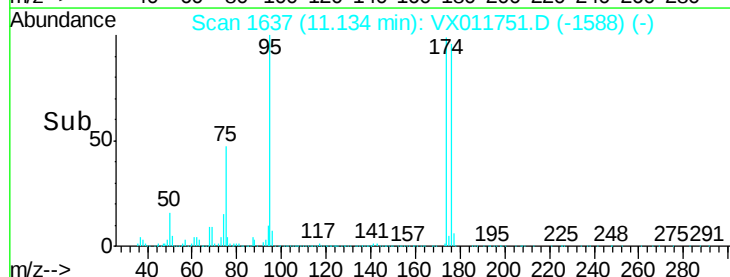
150000

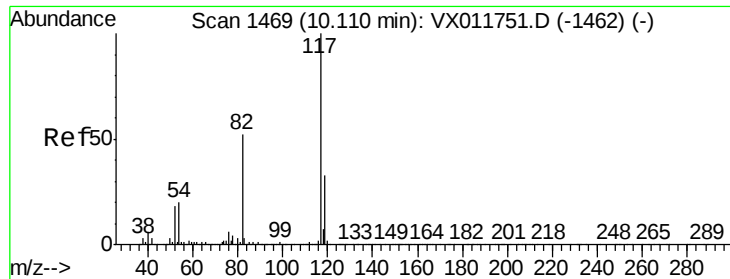
100000

50000

0

Time-->





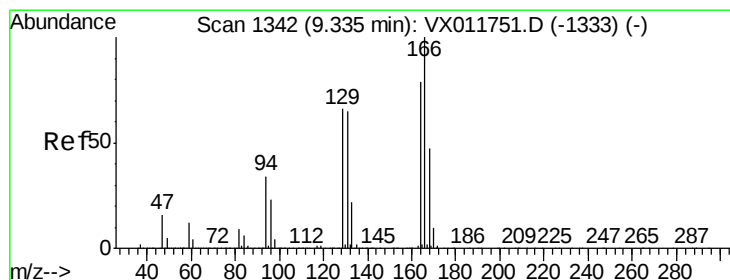
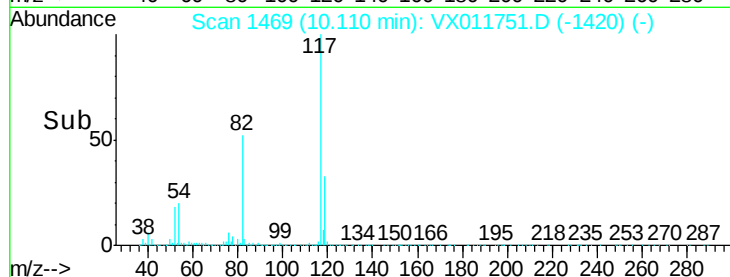
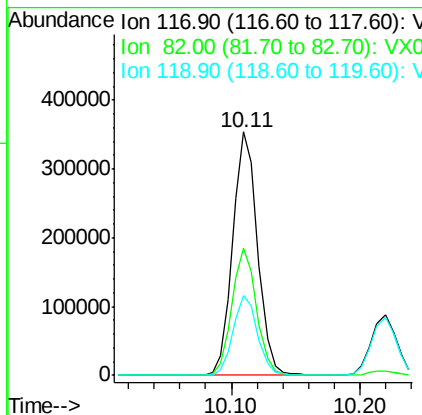
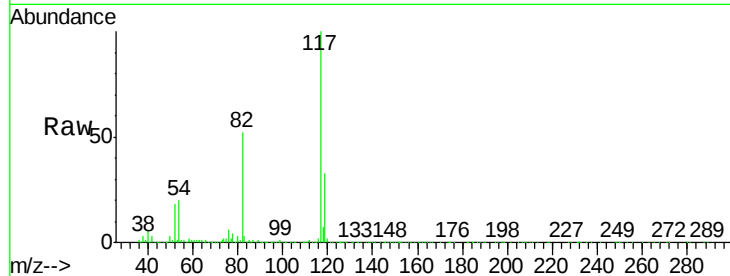
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	476516		
82	52.1		41.7	62.5
119	32.7		26.2	39.2

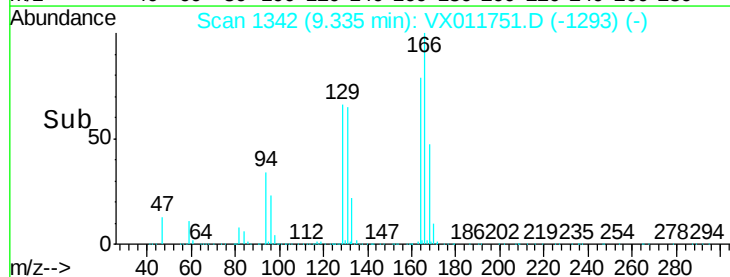
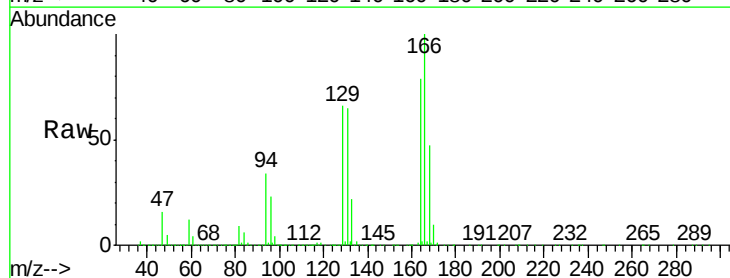
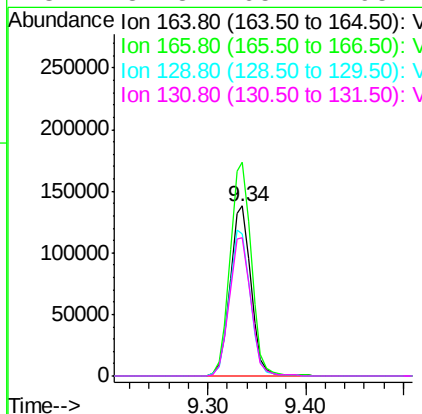
Manual Integrations
APPROVED

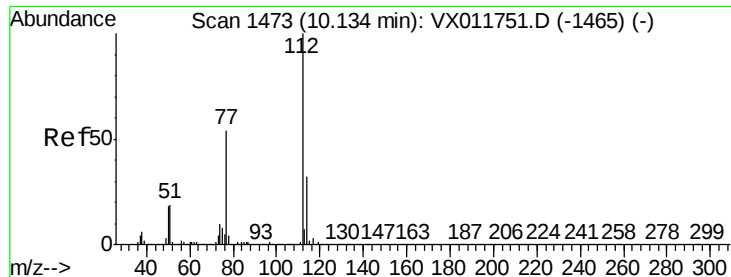
MMDadoda
8/23/2019 1:55:49 PM



#64
Tetrachloroethene
Concen: 51.755 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	203838		
166	125.9		100.7	151.1
129	83.5		66.8	100.2
131	81.8		65.4	98.2





#65

Chlorobenzene

Concen: 46.348 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 463670

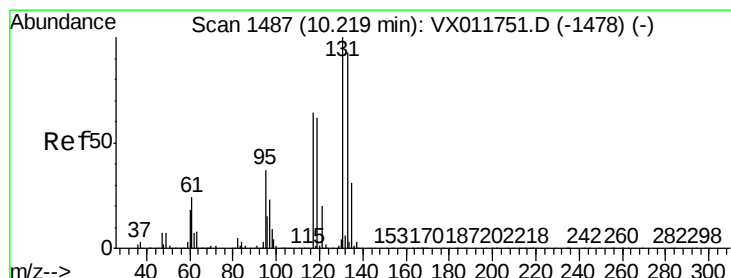
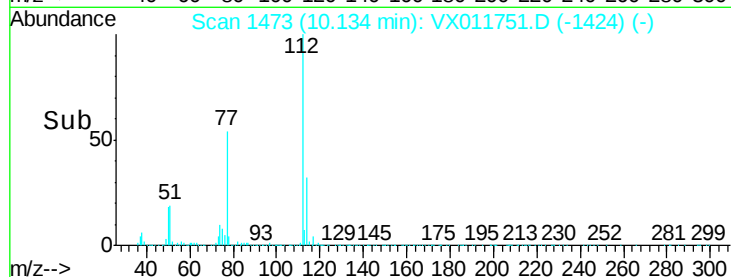
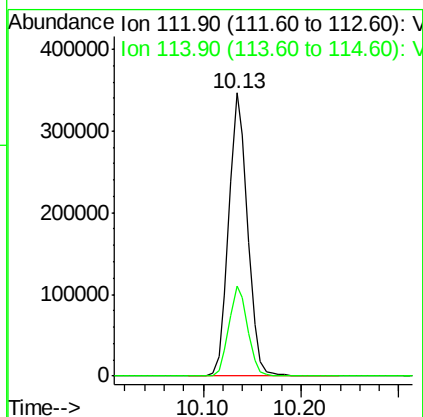
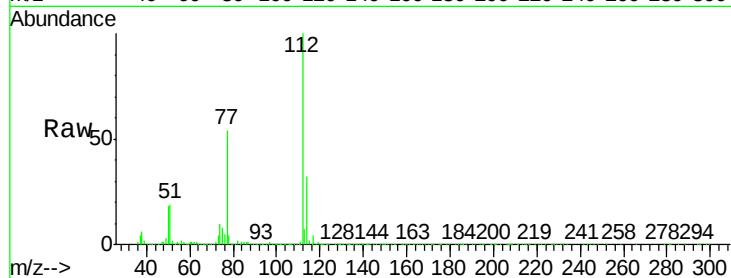
Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.712 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

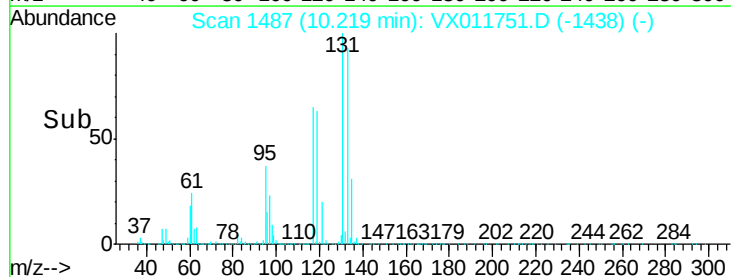
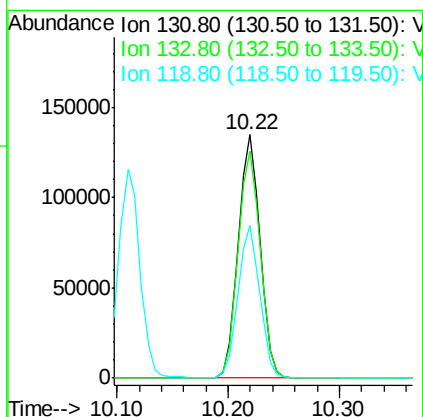
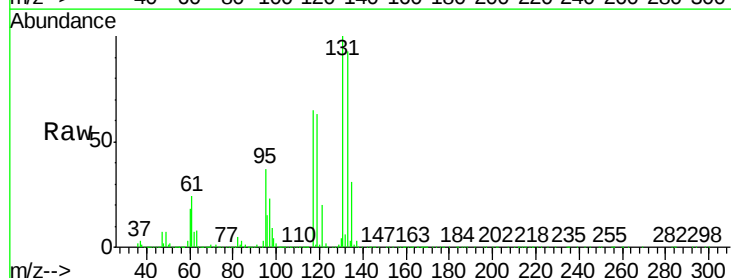
Tgt Ion:131 Resp: 182750

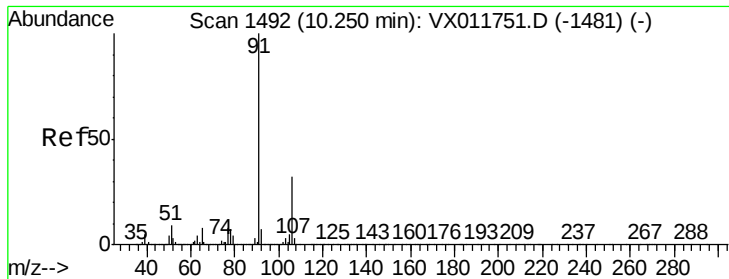
Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.4

119 62.5 31.3 93.8





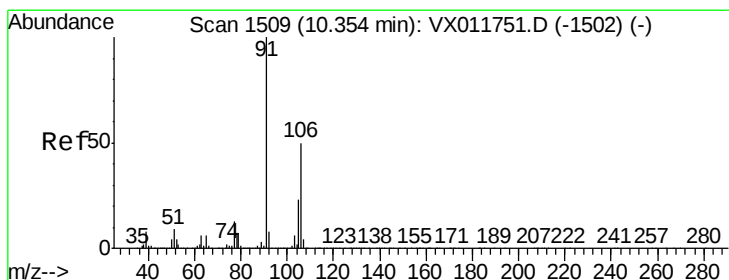
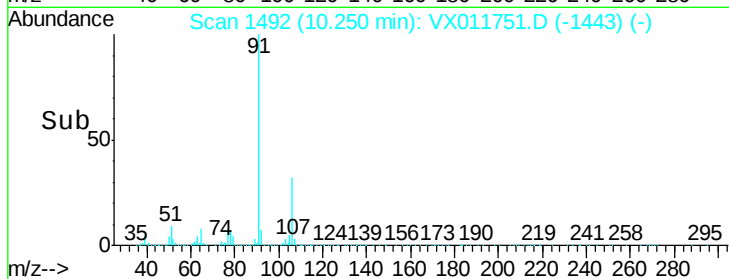
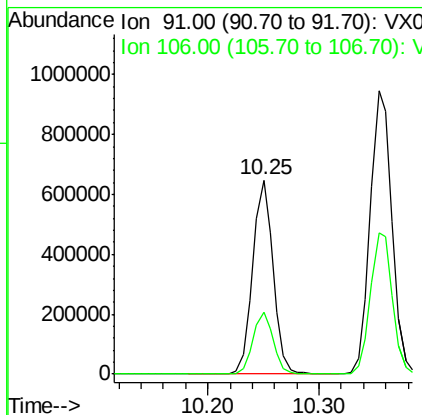
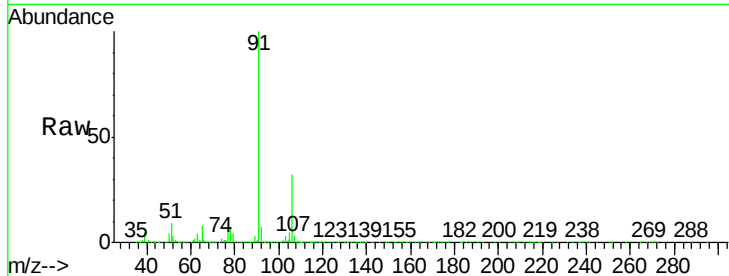
#67
Ethyl Benzene
Concen: 49.128 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.5	38.3

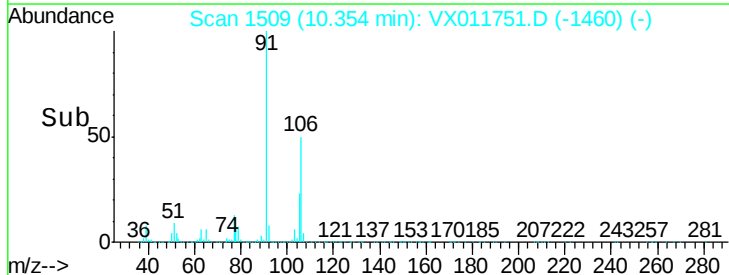
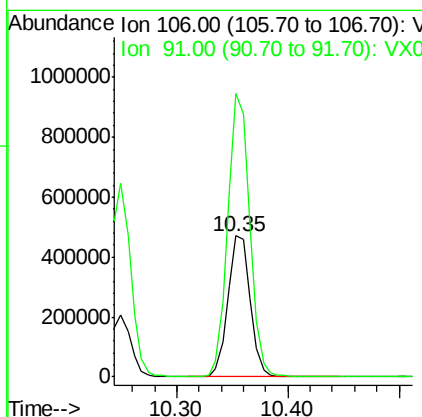
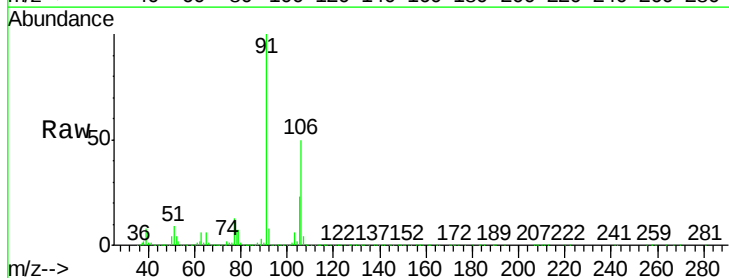
Manual Integrations
APPROVED

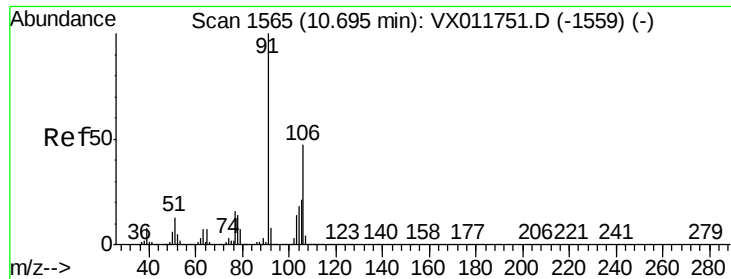
MMDadoda
8/23/2019 1:55:49 PM



#68
m/p-Xylenes
Concen: 100.702 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.9	158.3	237.5





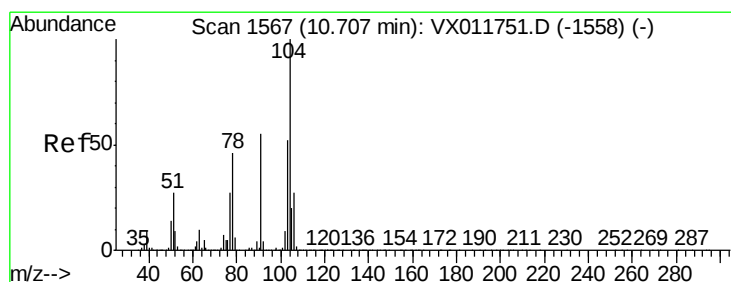
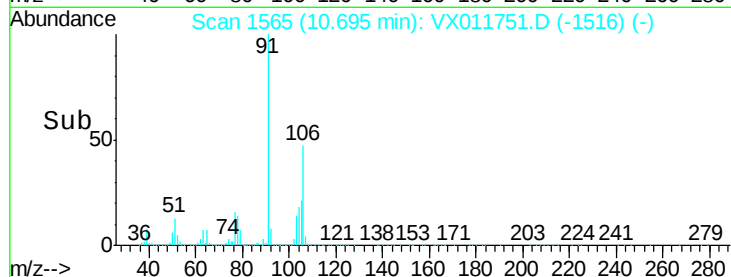
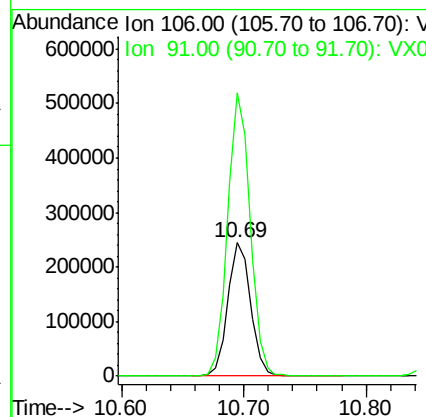
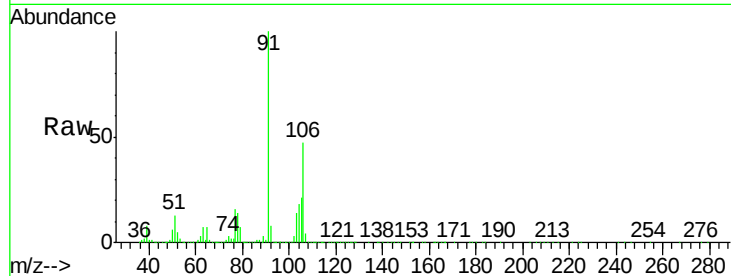
#69
o-Xylene
Concen: 49.518 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	105.0	314.9

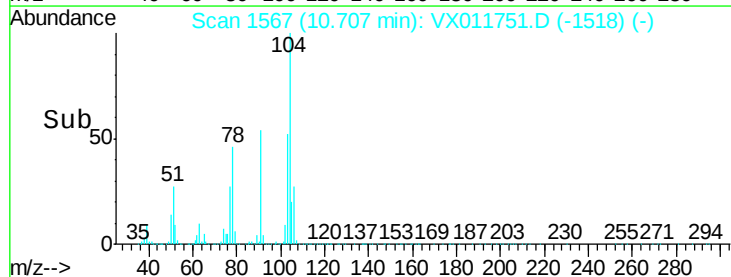
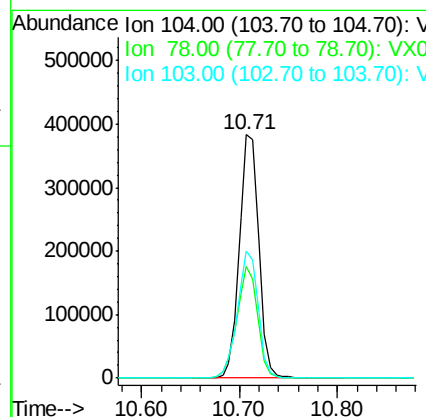
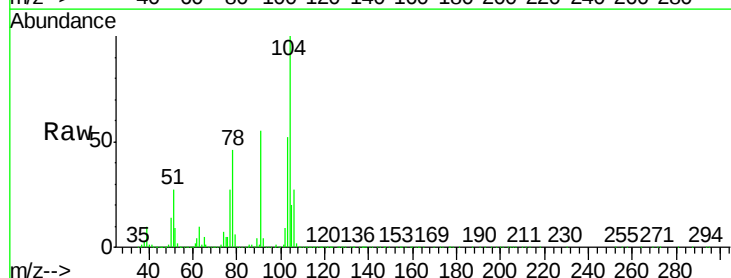
Manual Integrations
APPROVED

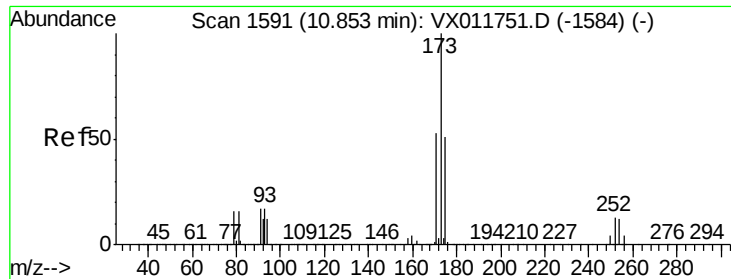
MMDadoda
8/23/2019 1:55:49 PM



#70
Styrene
Concen: 49.973 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.2	58.8
103	55.6	44.5	66.7





#71

Bromoform

Concen: 51.045 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

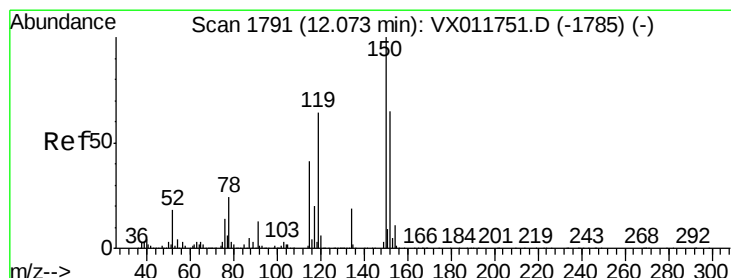
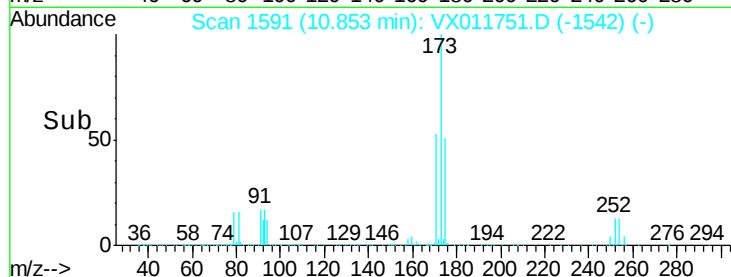
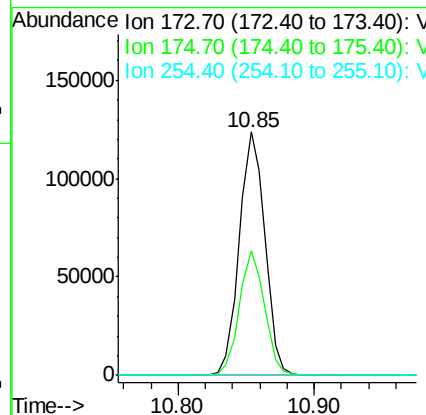
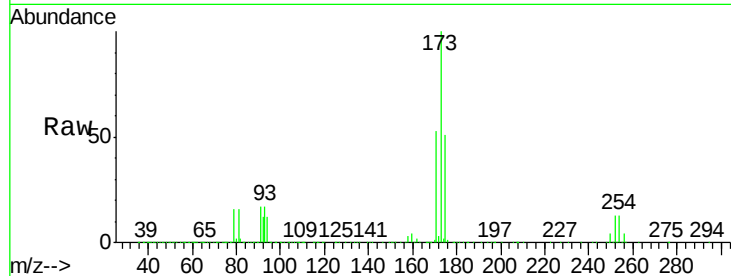
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	25.1	75.3
254	0.3	0.2	0.4

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

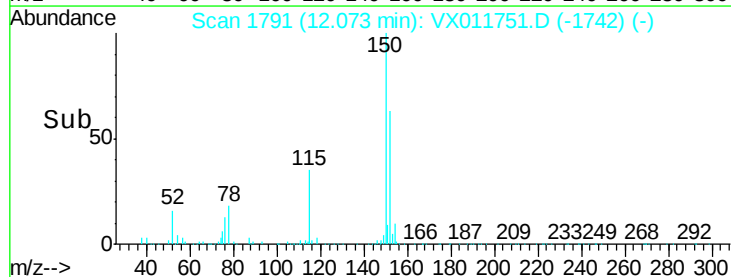
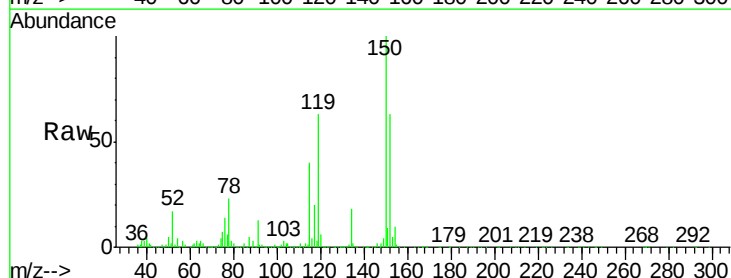
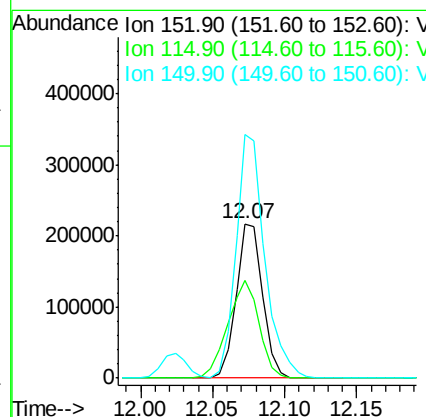
RT: 12.07 min Scan# 1791

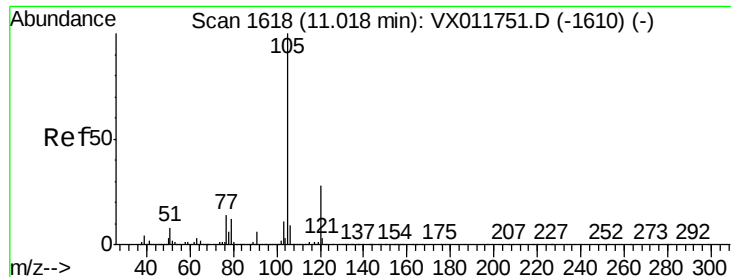
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.5	37.3	111.8
150	171.5	0.0	343.0





#73

Isopropylbenzene

Concen: 47.746 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 852527

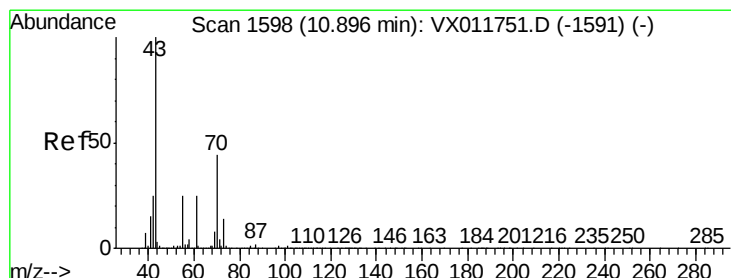
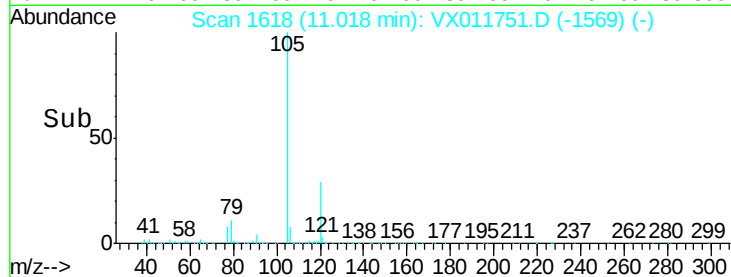
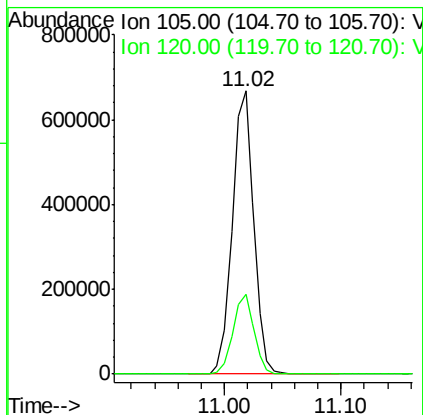
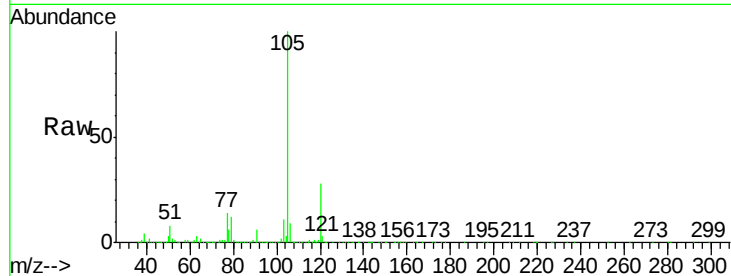
Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#74

N-ethyl acetate

Concen: 44.239 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion: 43 Resp: 331356

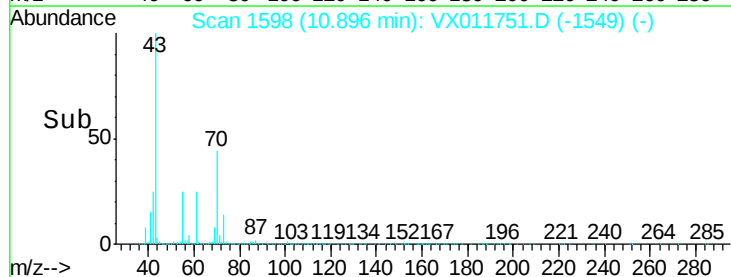
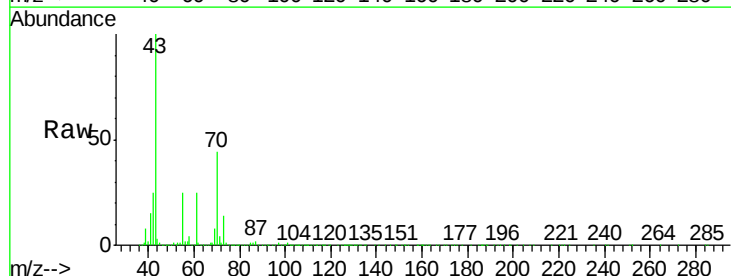
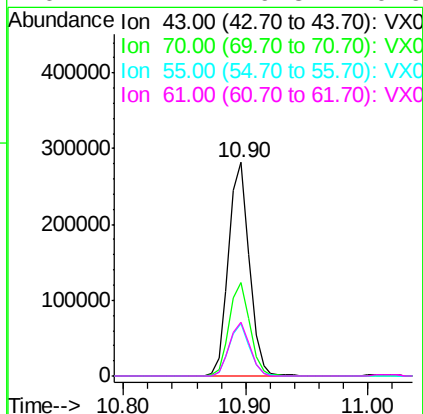
Ion Ratio Lower Upper

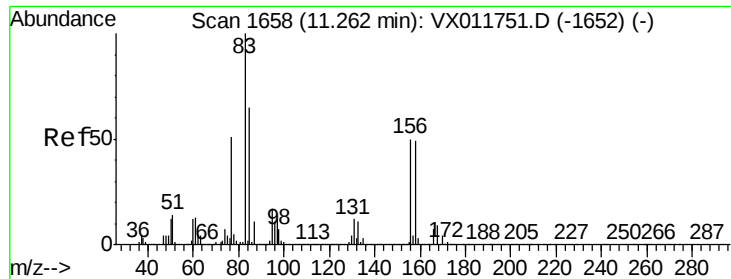
43 100

70 43.5 34.8 52.2

55 24.4 19.5 29.3

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.219 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

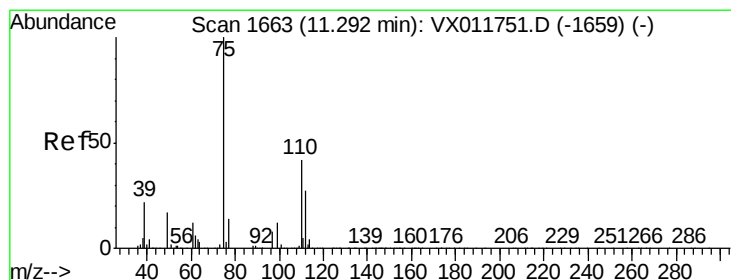
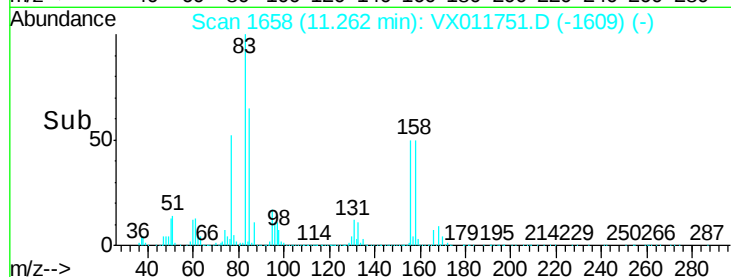
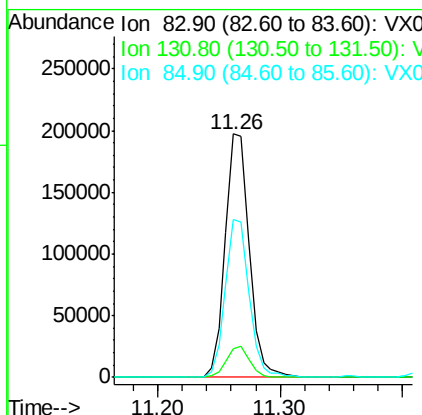
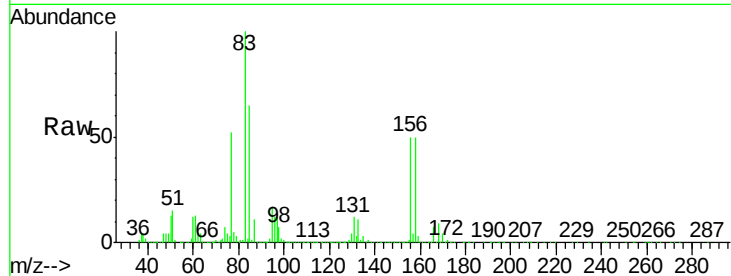
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	268623
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.1	18.3
85	64.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#76

1,2,3-Trichloropropane

Concen: 46.671 ug/l m

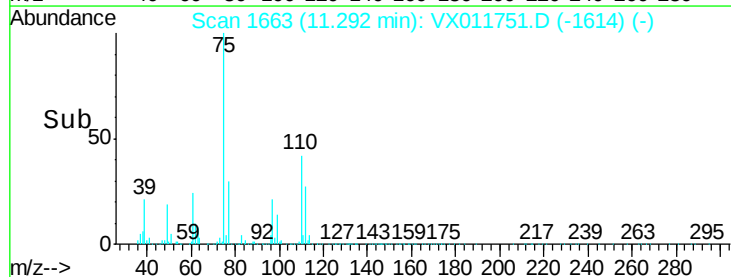
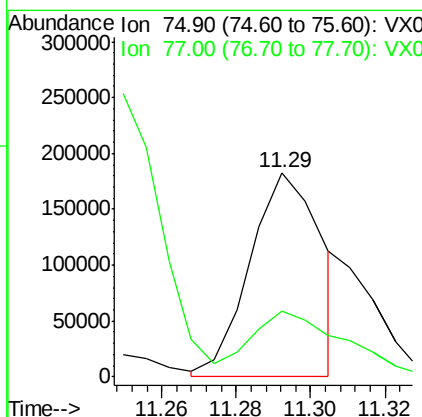
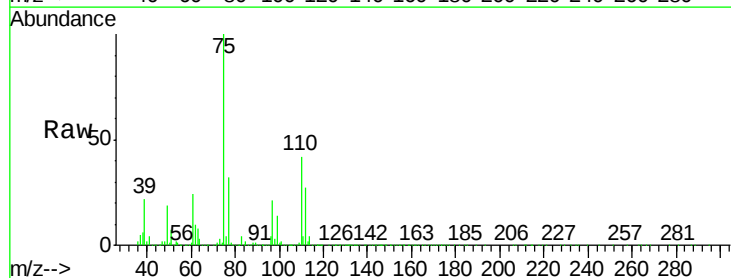
RT: 11.29 min Scan# 1663

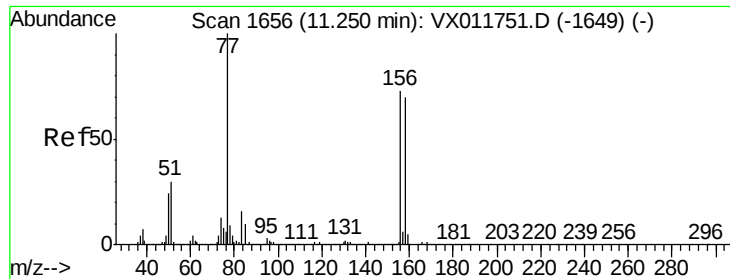
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	75	Resp:	242146
Ion Ratio	Lower	Upper	
75	100		
77	42.2	21.1	63.3





#77

Bromobenzene

Concen: 45.820 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

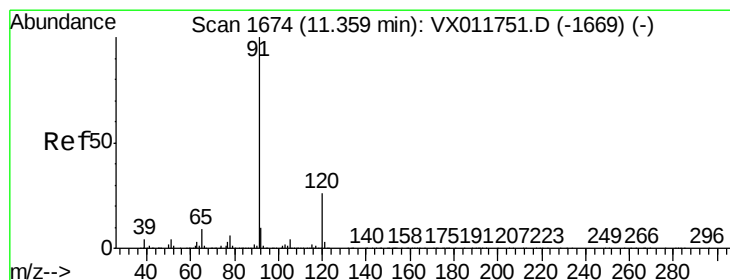
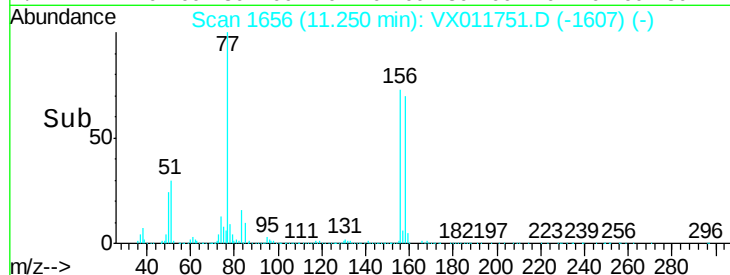
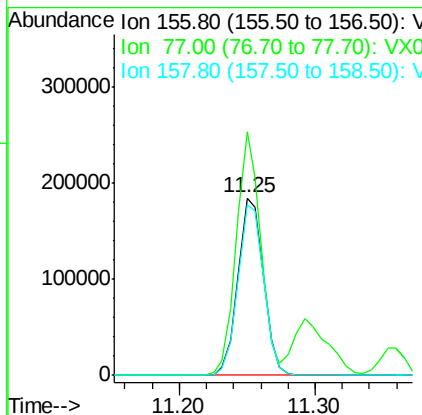
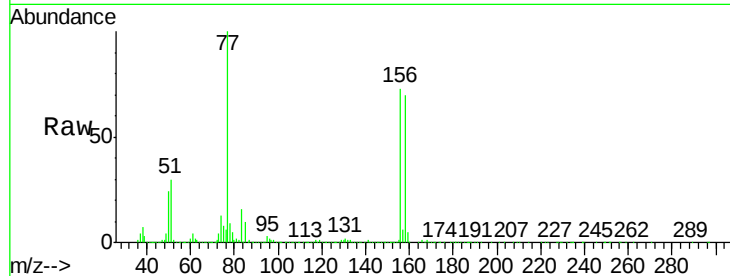
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.7	65.3	196.0
158	96.7	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#78

n-propylbenzene

Concen: 48.928 ug/l

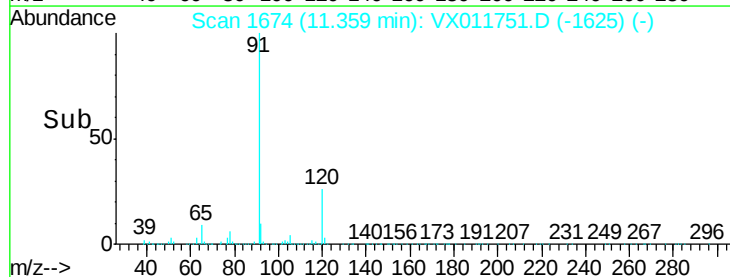
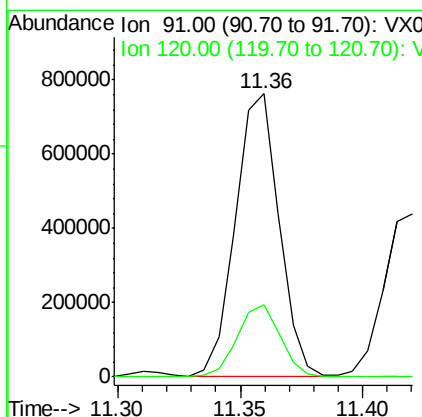
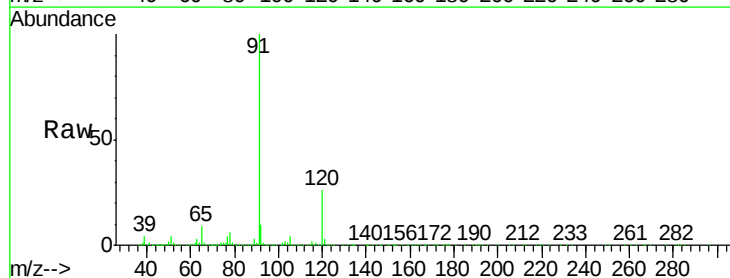
RT: 11.36 min Scan# 1674

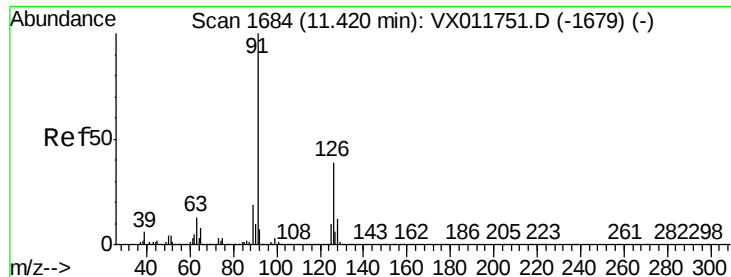
Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.7	38.1





#79

2-Chlorotoluene

Concen: 48.064 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 567458

Ion Ratio Lower Upper

91 100

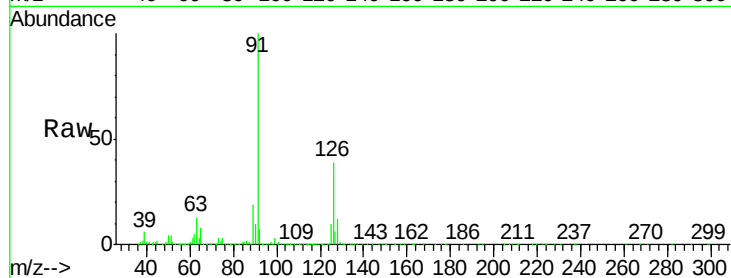
126 37.1 18.6 55.6

Manual Integrations

APPROVED

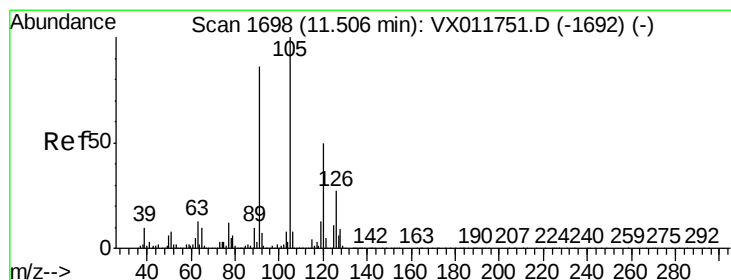
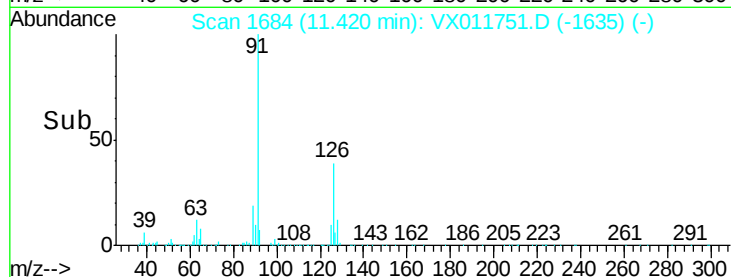
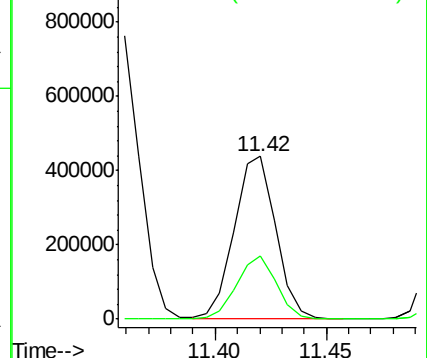
MMDadoda

8/23/2019 1:55:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.705 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011751.D

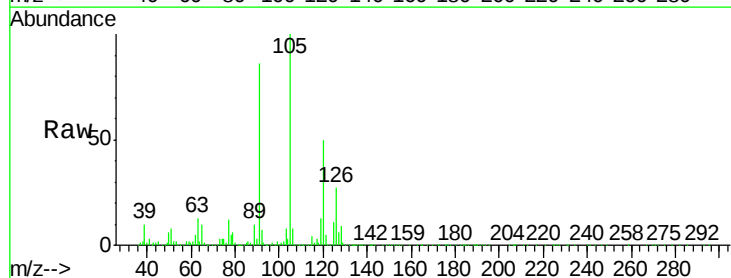
Acq: 22 Aug 2019 10:06

Tgt Ion: 105 Resp: 730563

Ion Ratio Lower Upper

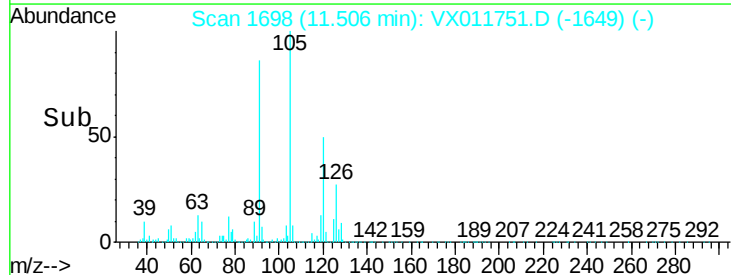
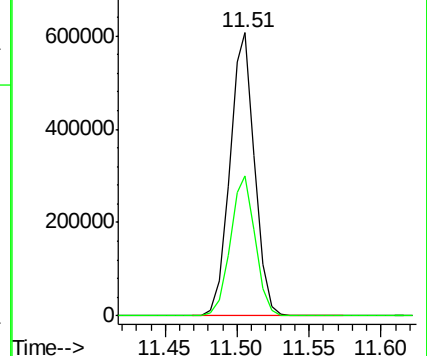
105 100

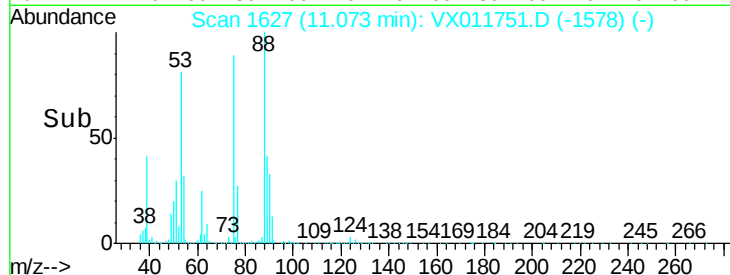
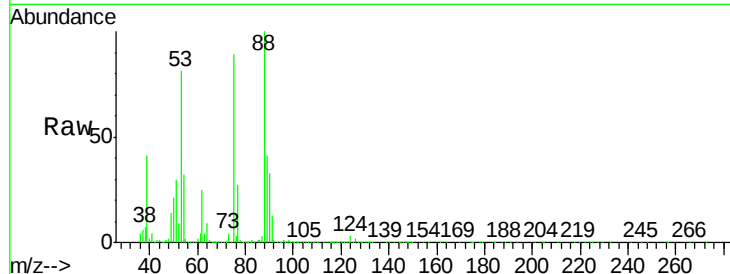
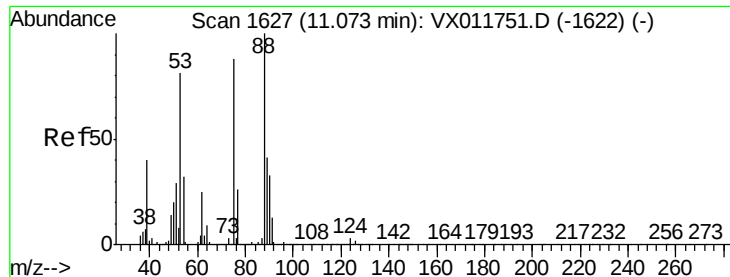
120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





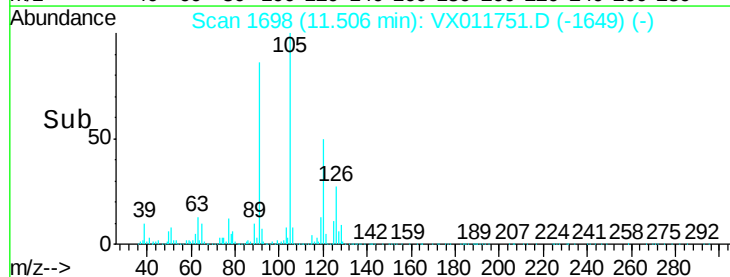
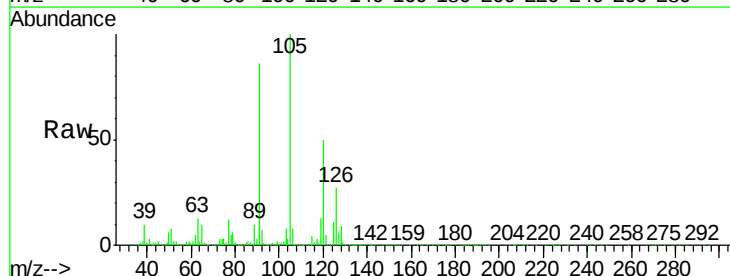
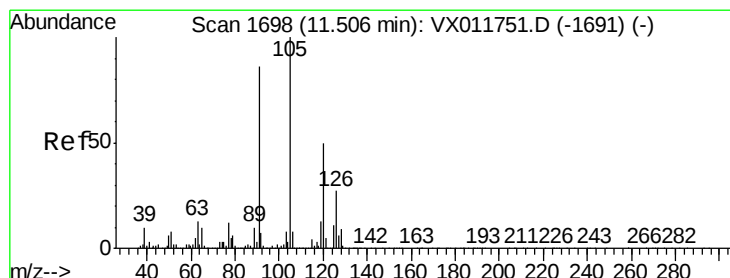
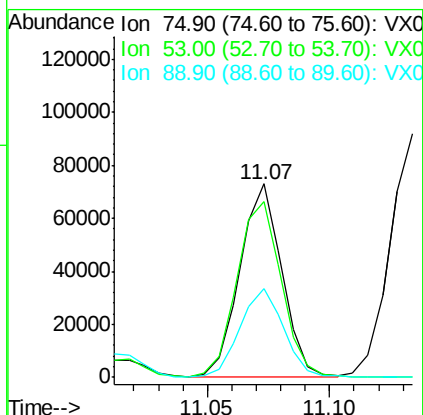
#81
trans-1,4-Dichloro-2-butene
Concen: 49.444 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	77.1	115.7
89	48.1	38.5	57.7

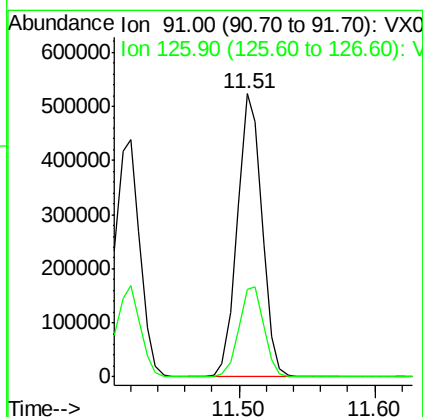
Manual Integrations
APPROVED

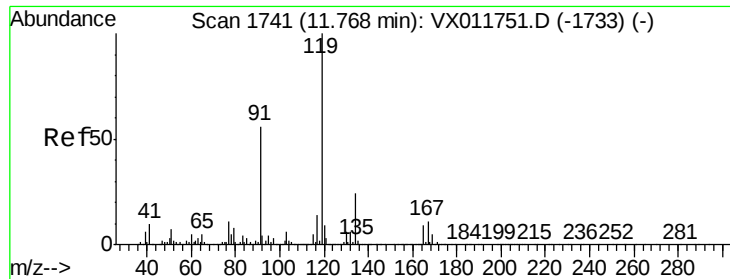
MMDadoda
8/23/2019 1:55:49 PM



#82
4-Chlorotoluene
Concen: 47.949 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6





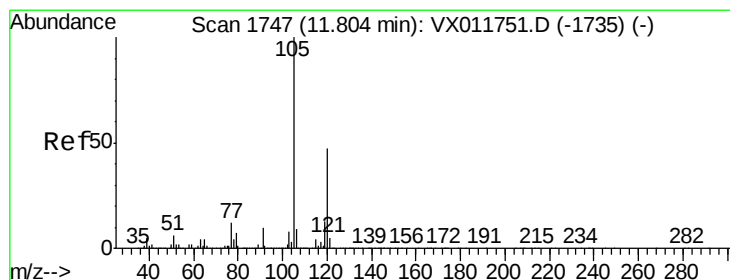
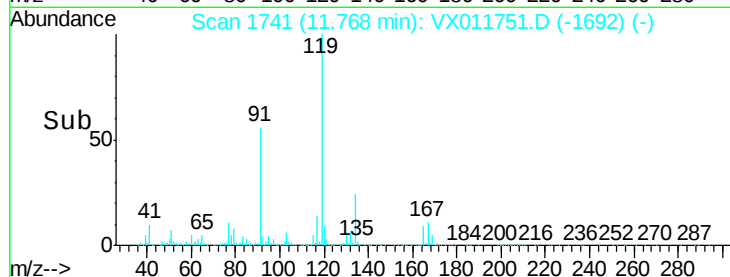
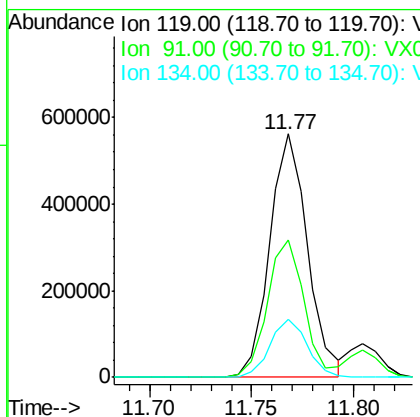
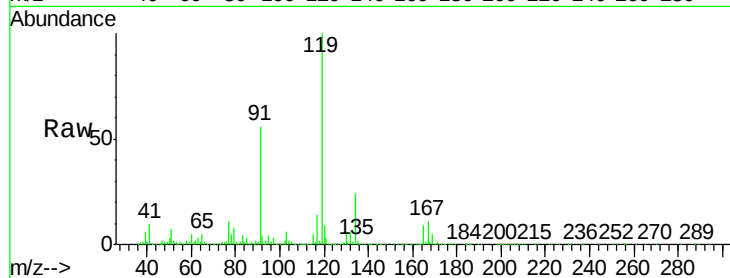
#83
tert-Butylbenzene
Concen: 47.658 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.7	83.1
134	23.5	11.8	35.3

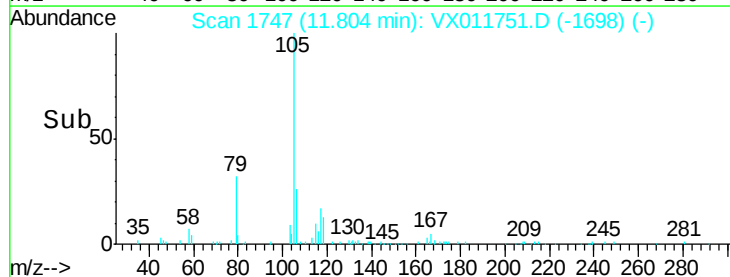
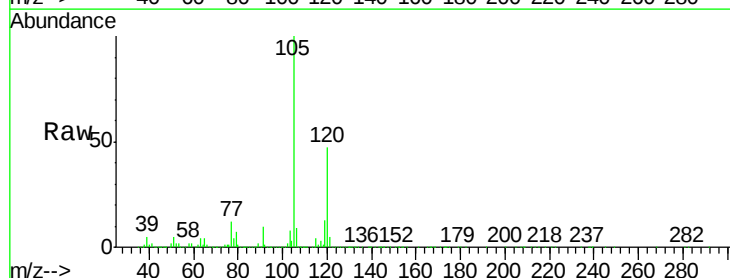
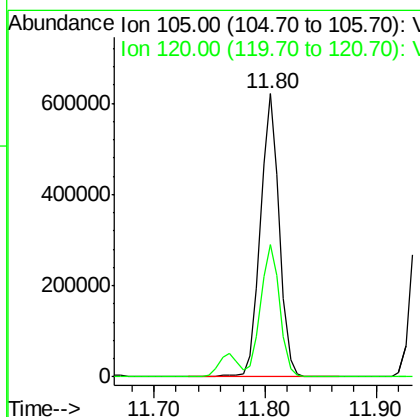
Manual Integrations
APPROVED

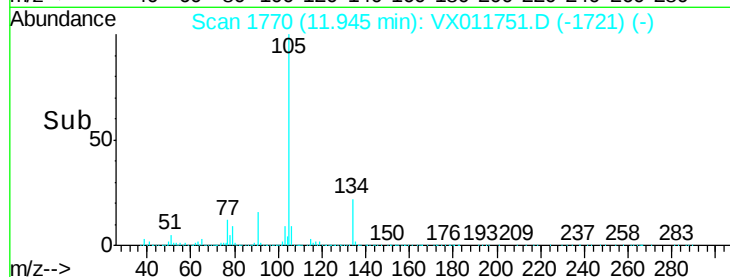
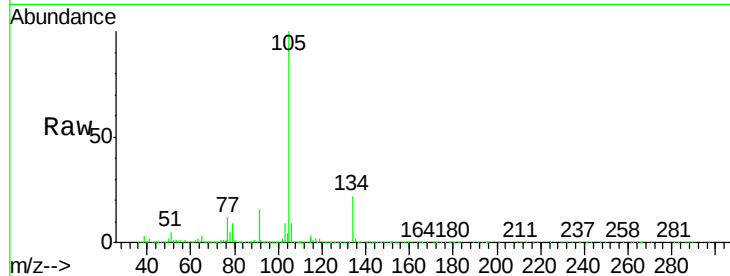
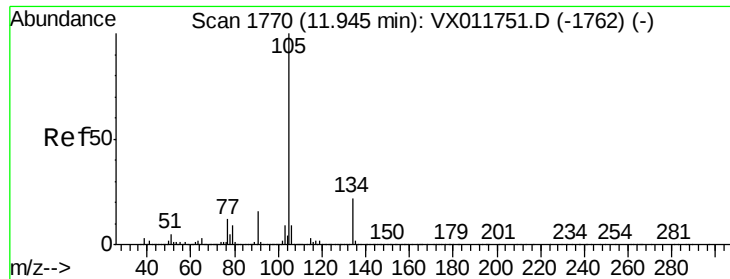
MMDadoda
8/23/2019 1:55:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.954 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1





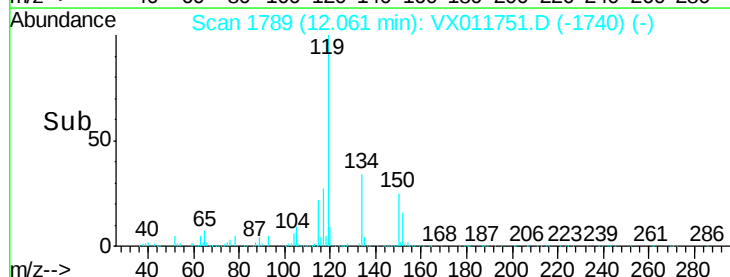
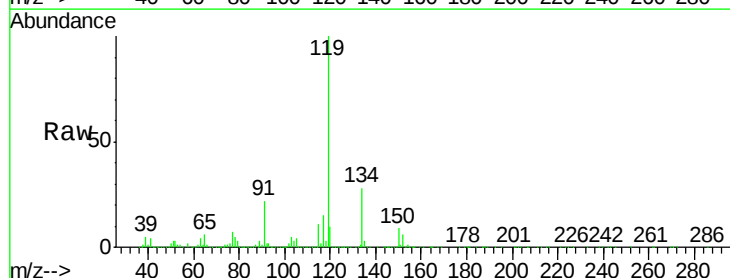
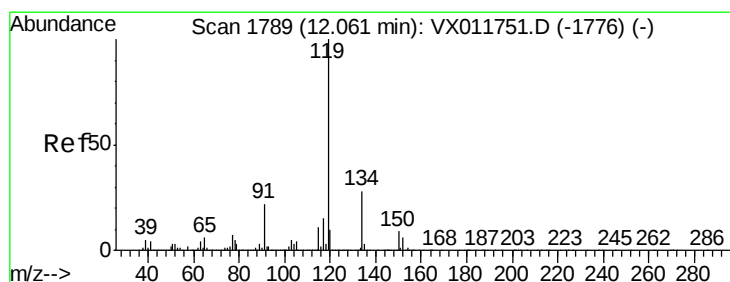
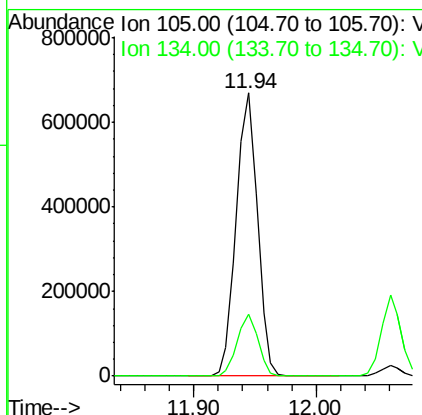
#85
 sec-Butylbenzene
 Concen: 46.769 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Tot Ion	Ratio	Resp	Lower	Upper
105	100	800151		
134	21.5	10.8	32.3	

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

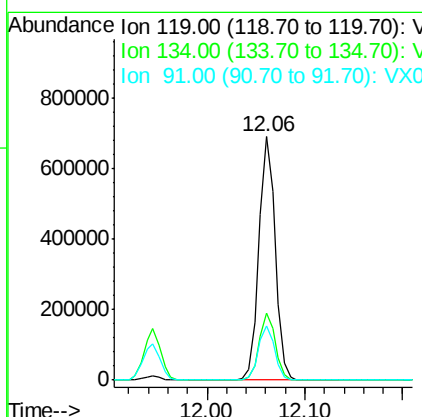
Manual Integrations
 APPROVED

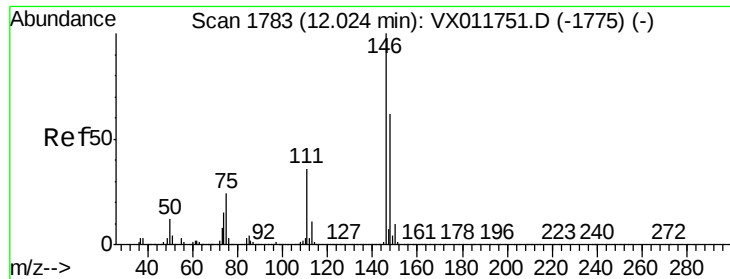
MMDadoda
 8/23/2019 1:55:49 PM



#86
 p-Isopropyltoluene
 Concen: 49.196 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	796099		
134	27.3	13.7	41.0	
91	22.2	11.1	33.3	





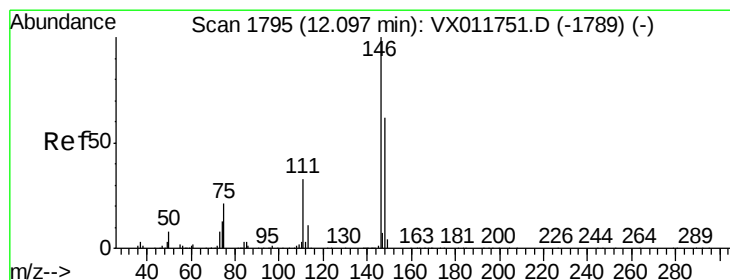
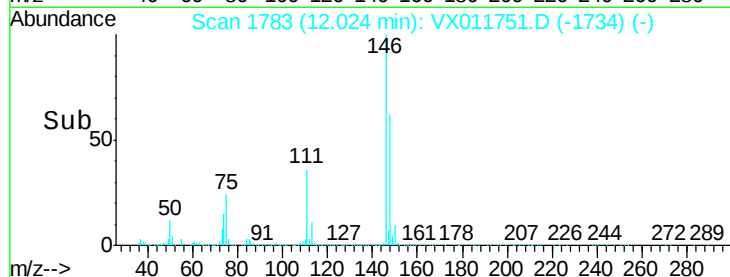
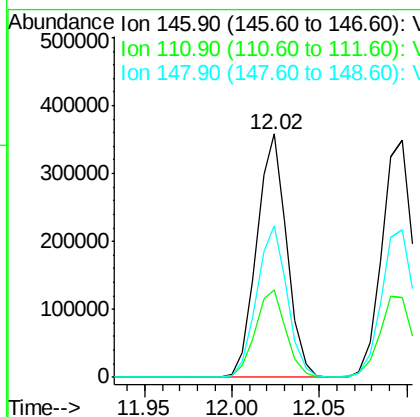
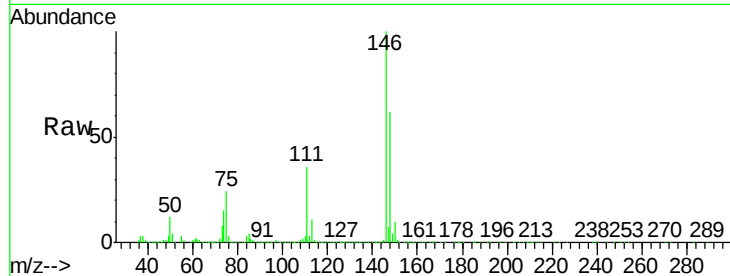
#87
 1,3-Dichlorobenzene
 Concen: 47.224 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	430737		
111	36.3	18.1	54.4	
148	63.1	31.6	94.7	

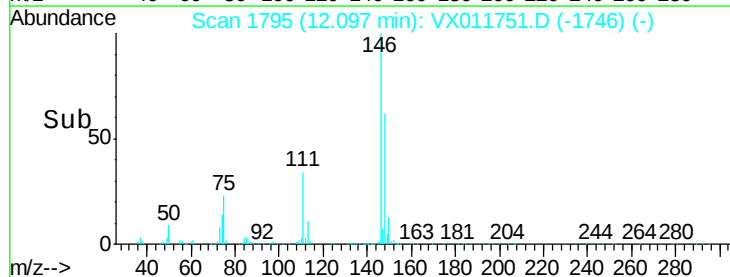
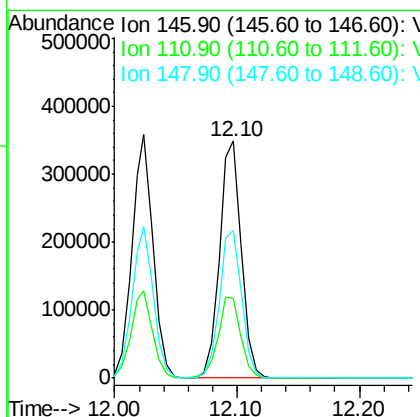
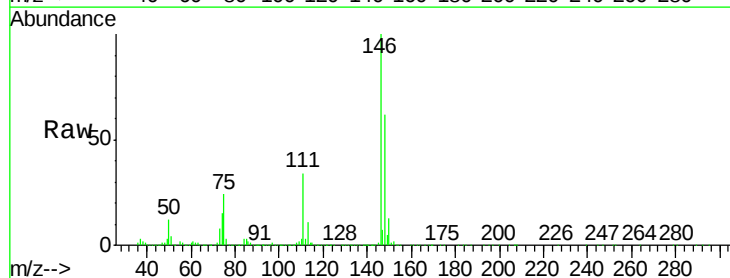
Manual Integrations
 APPROVED

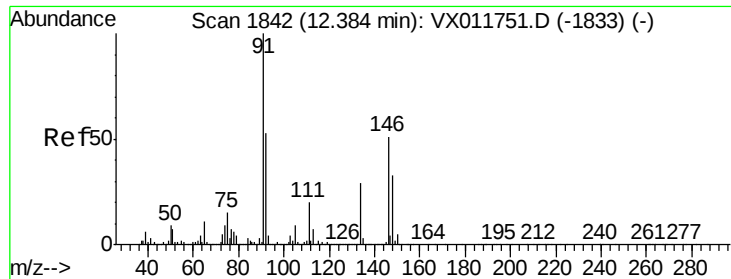
MMDadoda
 8/23/2019 1:55:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.522 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	429869		
111	35.6	17.8	53.4	
148	63.8	31.9	95.7	





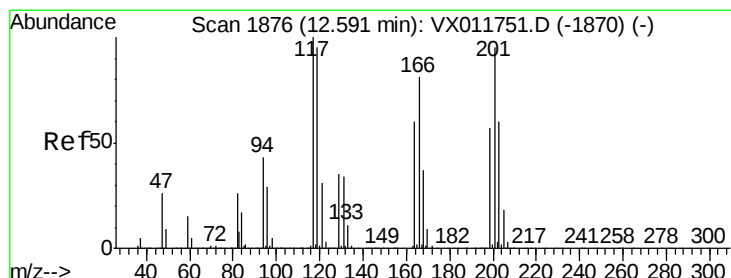
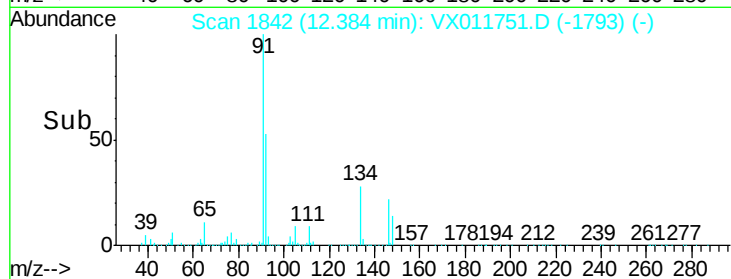
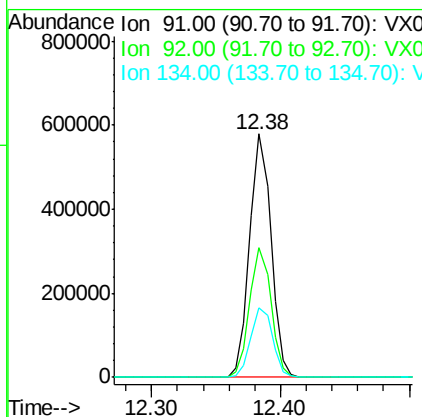
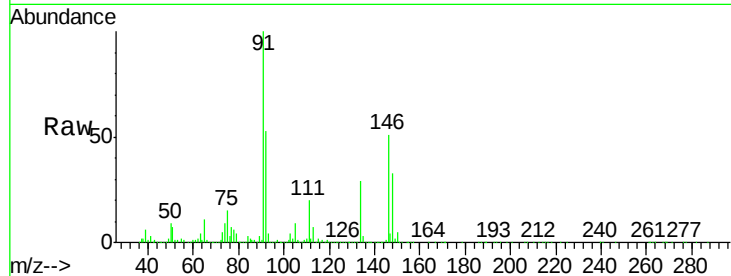
#89
n-Butylbenzene
Concen: 49.530 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	29.2	14.6	43.8

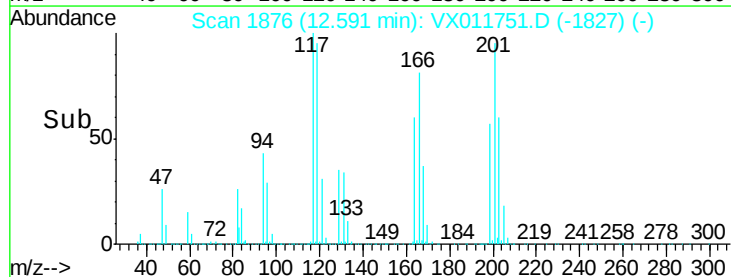
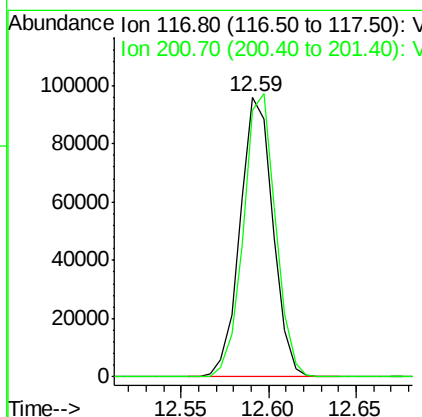
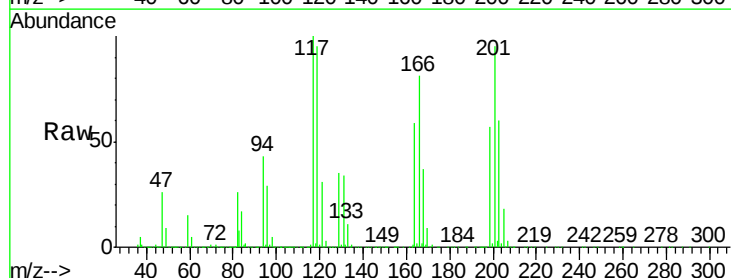
Manual Integrations
APPROVED

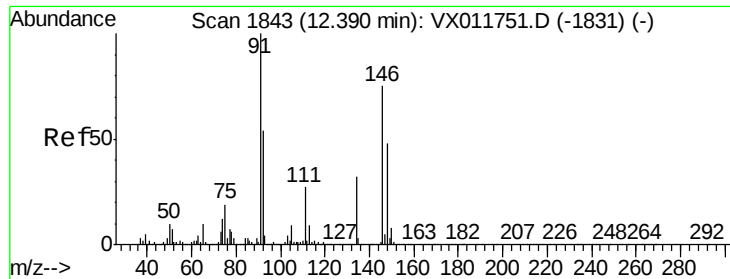
MMDadoda
8/23/2019 1:55:49 PM



#90
Hexachloroethane
Concen: 48.701 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011751.D
Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.3	49.6	149.0





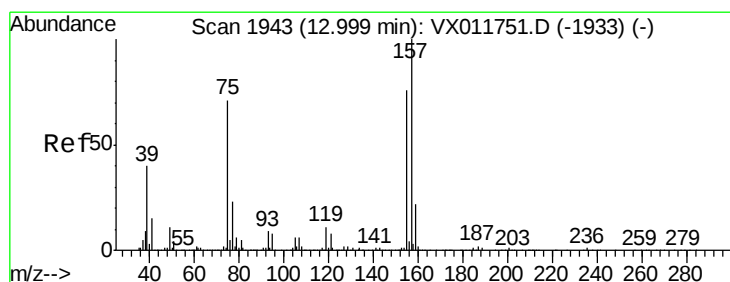
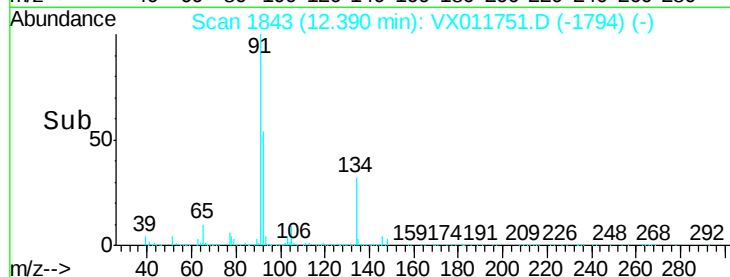
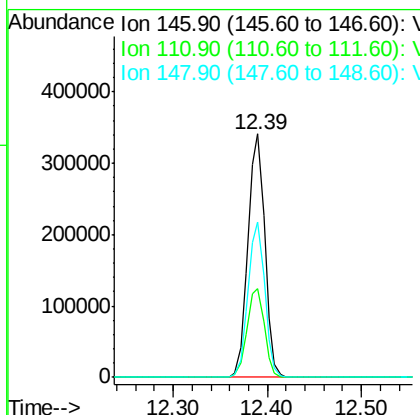
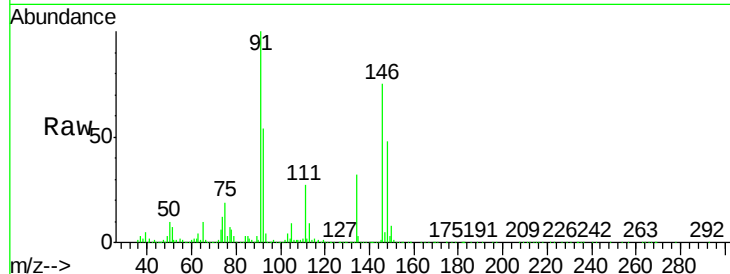
#91
 1,2-Dichlorobenzene
 Concen: 46.783 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	427902		
111	37.6	18.8	56.4	
148	63.3	31.6	95.0	

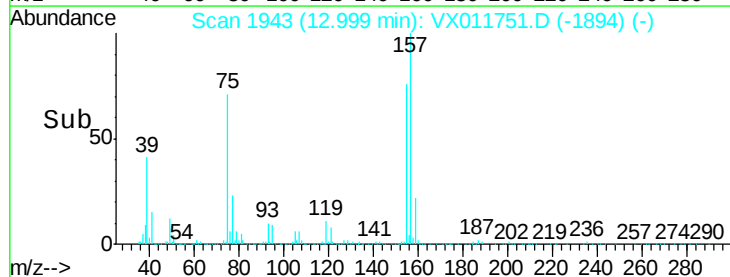
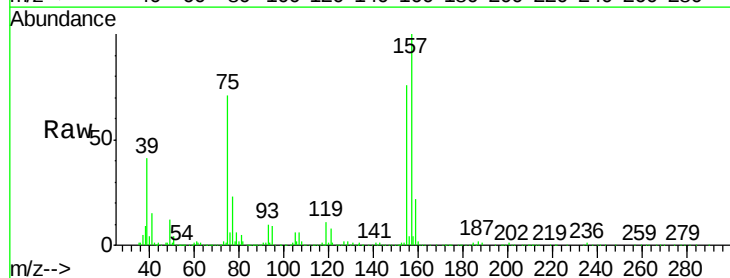
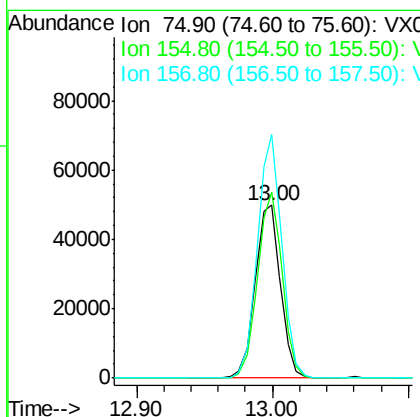
Manual Integrations
 APPROVED

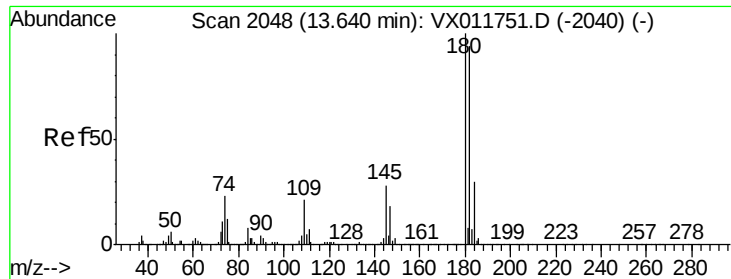
MMDadoda
 8/23/2019 1:55:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.361 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64998		
155	105.3	52.6	157.9	
157	136.6	68.3	204.9	





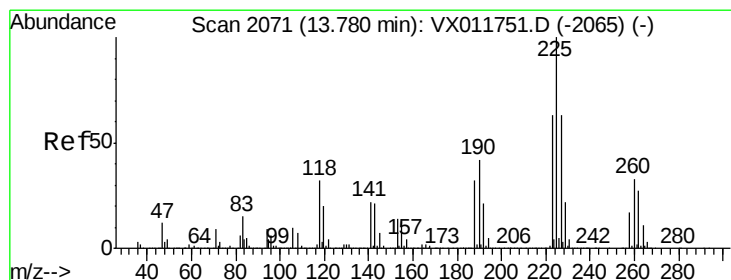
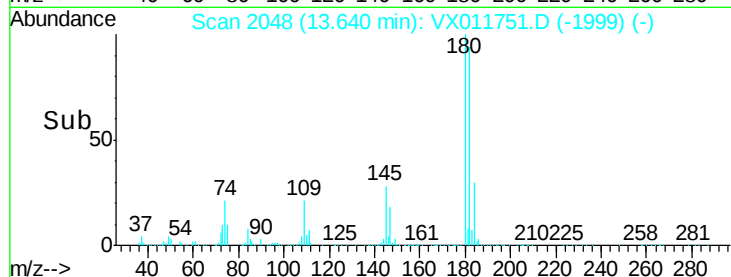
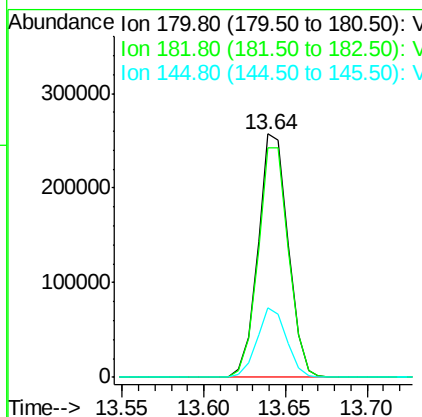
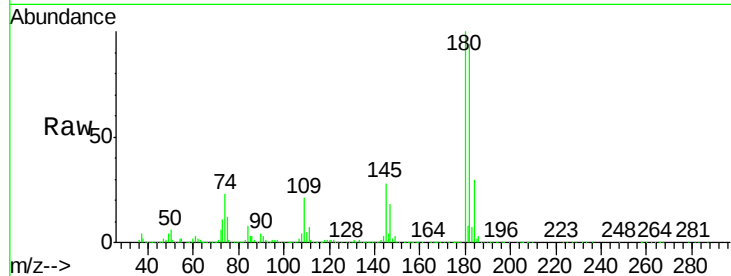
#93
 1,2,4-Trichlorobenzene
 Concen: 48.176 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	328333		
182	95.6	47.8	143.4	
145	28.2	14.1	42.3	

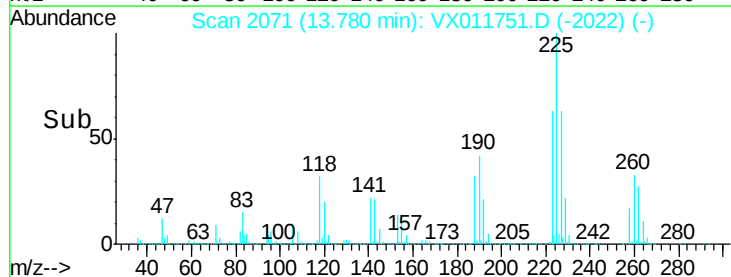
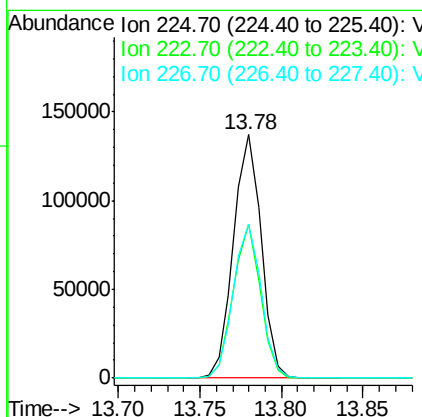
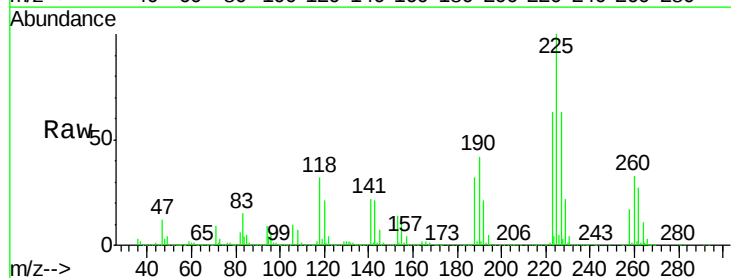
Manual Integrations
 APPROVED

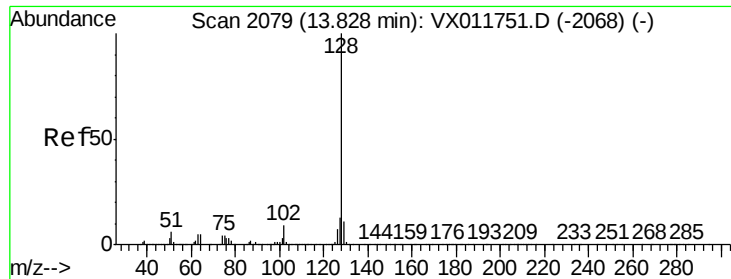
MMDadoda
 8/23/2019 1:55:49 PM



#94
 Hexachlorobutadiene
 Concen: 44.376 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011751.D
 Acq: 22 Aug 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162699		
223	62.0	31.0	93.0	
227	63.5	31.8	95.3	





#95

Naphthalene

Concen: 47.724 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Instrument :

MSVOA_X

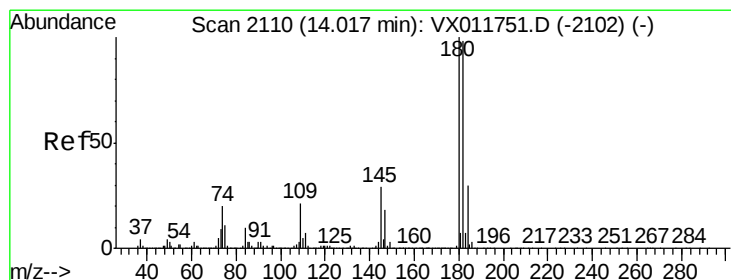
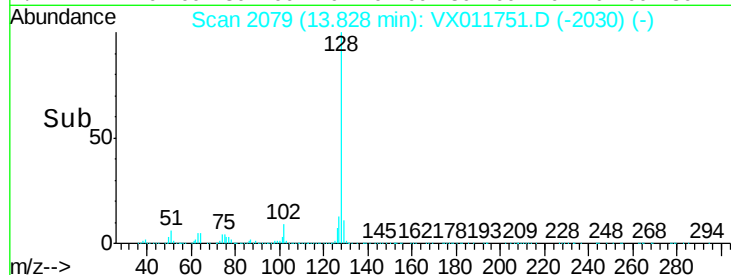
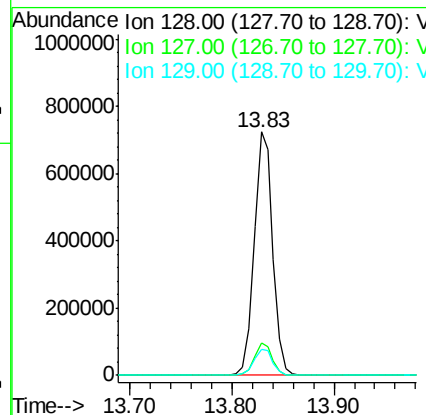
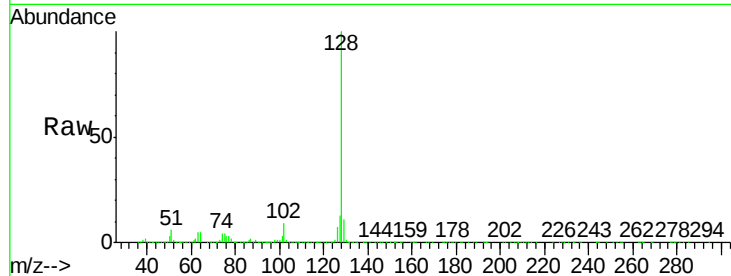
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	911040
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.719 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011751.D

Acq: 22 Aug 2019 10:06

Tgt Ion:	180	Resp:	327284
Ion Ratio		Lower	Upper
180	100		
182	97.0	48.5	145.5
145	29.2	14.6	43.8

