

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011320.D
 Acq On : 05 Aug 2019 10:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:33 PM

Quant Time: Aug 06 03:09:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	238394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	85496	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	5.49	113	77953	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.71	98	300931	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.13	95	111051	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61076	46.535	ug/l	99
3) Chloromethane	1.32	50	66217	44.928	ug/l	100
4) Vinyl Chloride	1.40	62	74489	45.946	ug/l	99
5) Bromomethane	1.63	94	47185	40.809	ug/l	98
6) Chloroethane	1.71	64	49043	48.799	ug/l	100
7) Trichlorofluoromethane	1.92	101	137757	47.788	ug/l	98
8) Diethyl Ether	2.18	74	46836	45.502	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74308	47.641	ug/l	98
10) Methyl Iodide	2.50	142	83618	42.523	ug/l	100
11) Tert butyl alcohol	3.04	59	80367	235.508	ug/l	100
12) 1,1-Dichloroethene	2.36	96	70374	45.516	ug/l	91
13) Acrolein	2.29	56	49111	231.544	ug/l	98
14) Allyl chloride	2.72	41	105416	51.143	ug/l	99
15) Acrylonitrile	3.13	53	189981	233.294	ug/l	99
16) Acetone	2.43	43	213212	261.752	ug/l	99
17) Carbon Disulfide	2.56	76	179163	49.380	ug/l	99
18) Methyl Acetate	2.76	43	84590	45.442	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	218708	48.001	ug/l	98
20) Methylene Chloride	2.85	84	79669	44.659	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	77013	47.088	ug/l	94
22) Diisopropyl ether	3.85	45	217380	47.985	ug/l	97
23) Vinyl Acetate	3.81	43	965270	256.902	ug/l	99
24) 1,1-Dichloroethane	3.68	63	125323	46.915	ug/l	99
25) 2-Butanone	4.66	43	279224	240.979	ug/l	98
26) 2,2-Dichloropropane	4.57	77	109374	52.672	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	86870	46.113	ug/l	98
28) Bromochloromethane	5.00	49	60586	49.751	ug/l	97
29) Tetrahydrofuran	5.12	42	163602	230.276	ug/l	99
30) Chloroform	5.20	83	138991	47.874	ug/l	99
31) Cyclohexane	5.57	56	106090	48.139	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	123195	49.534	ug/l	99
36) 1,1-Dichloropropene	5.79	75	100510	48.290	ug/l	100
37) Ethyl Acetate	4.82	43	100804	48.282	ug/l	99
38) Carbon Tetrachloride	5.77	117	111283	53.143	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011320.D
 Acq On : 05 Aug 2019 10:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:33 PM

Quant Time: Aug 06 03:09:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	119786	48.552	ug/l	97
40) Benzene	6.13	78	304779	49.070	ug/l	98
41) Methacrylonitrile	5.03	41	55227	48.436	ug/l	98
42) 1,2-Dichloroethane	6.18	62	104499	49.755	ug/l	99
43) Isopropyl Acetate	6.43	43	163570	49.004	ug/l	100
44) Trichloroethene	7.21	130	89937	47.839	ug/l	100
45) 1,2-Dichloropropane	7.51	63	76755	47.717	ug/l	98
46) Dibromomethane	7.65	93	56226	47.882	ug/l	99
47) Bromodichloromethane	7.89	83	104835	52.730	ug/l	98
48) Methyl methacrylate	7.76	41	80604	51.312	ug/l	98
49) 1,4-Dioxane	7.73	88	39864	875.347	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	542857	252.004	ug/l	100
52) Toluene	8.78	92	206073	50.181	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	115771	50.001	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	126891	54.638	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	83634	49.533	ug/l	99
56) Ethyl methacrylate	9.17	69	123807	51.455	ug/l	98
57) 1,3-Dichloropropane	9.37	76	132212	49.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	275205	232.620	ug/l	100
59) 2-Hexanone	9.49	43	432142	258.994	ug/l	99
60) Dibromochloromethane	9.58	129	95034	54.976	ug/l	97
61) 1,2-Dibromoethane	9.67	107	91163	49.975	ug/l	98
64) Tetrachloroethene	9.33	164	90784	47.455	ug/l	97
65) Chlorobenzene	10.13	112	231800	47.992	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	85363	51.624	ug/l	99
67) Ethyl Benzene	10.25	91	401259	49.606	ug/l	100
68) m/p-Xylenes	10.35	106	316054	101.014	ug/l	99
69) o-Xylene	10.69	106	152047	49.459	ug/l	100
70) Styrene	10.71	104	263870	51.875	ug/l	99
71) Bromoform	10.85	173	73098	49.472	ug/l #	99
73) Isopropylbenzene	11.01	105	415880	48.416	ug/l	100
74) N-amyl acetate	10.90	43	157257	50.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	133881	46.771	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	113409m	49.584	ug/l	
77) Bromobenzene	11.25	156	111847	46.958	ug/l	97
78) n-propylbenzene	11.35	91	471784	49.390	ug/l	99
79) 2-Chlorotoluene	11.42	91	273300	48.003	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	353039	49.098	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	41560	48.655	ug/l	98
82) 4-Chlorotoluene	11.51	91	324980	48.978	ug/l	98
83) tert-Butylbenzene	11.77	119	347765	49.313	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	356712	49.827	ug/l	100
85) sec-Butylbenzene	11.94	105	416504	49.157	ug/l	99
86) p-Isopropyltoluene	12.06	119	393533	50.486	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	203191	48.281	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	204678	47.164	ug/l	99
89) n-Butylbenzene	12.38	91	344056	51.233	ug/l	99
90) Hexachloroethane	12.59	117	63578	55.169	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	196049	46.362	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27716	49.976	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
Data File : VX011320.D
Acq On : 05 Aug 2019 10:21
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

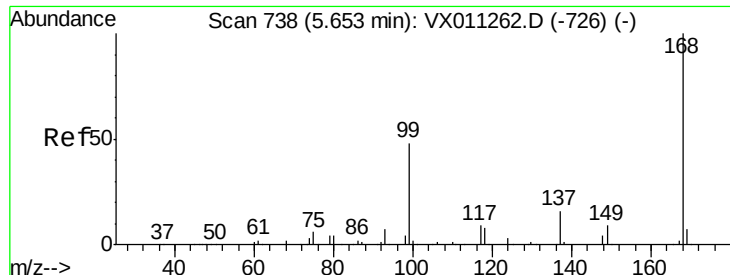
Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM

Quant Time: Aug 06 03:09:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138745	49.475	ug/l	100
94) Hexachlorobutadiene	13.78	225	72313	50.824	ug/l	98
95) Naphthalene	13.83	128	409908	49.983	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139992	49.103	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 169934

Ion Ratio Lower Upper

168 100

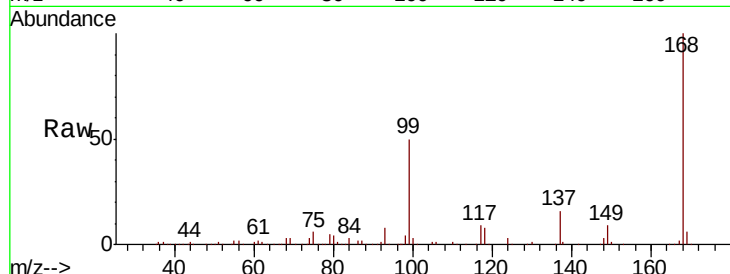
99 49.5 38.5 57.7

Manual Integrations

APPROVED

MMDadoda

8/6/2019 4:48:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

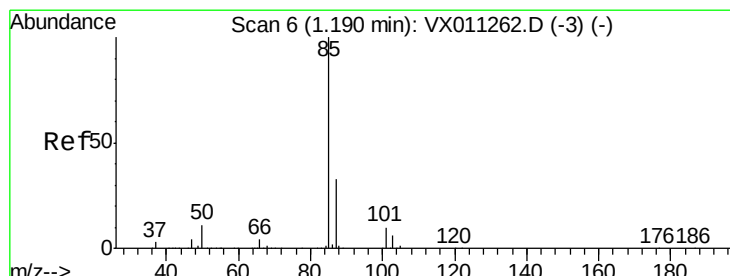
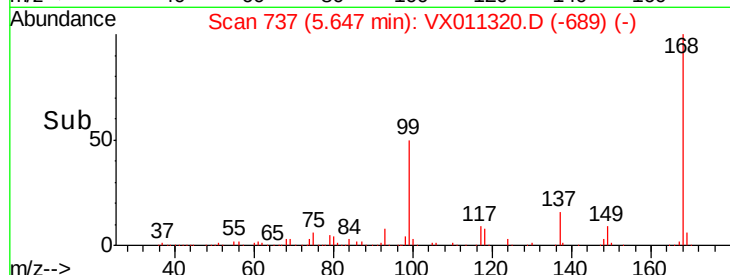
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.535 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011320.D

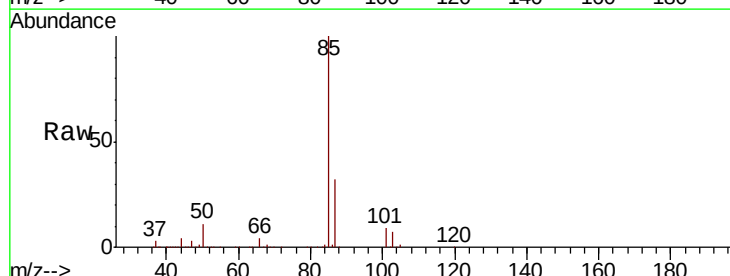
Acq: 05 Aug 2019 10:21

Tgt Ion: 85 Resp: 61076

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

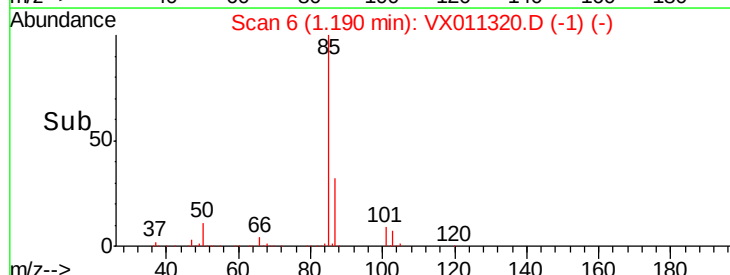
60000

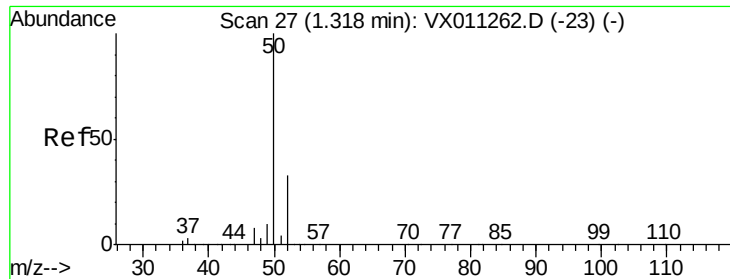
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.928 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 66217

Ion Ratio Lower Upper

50 100

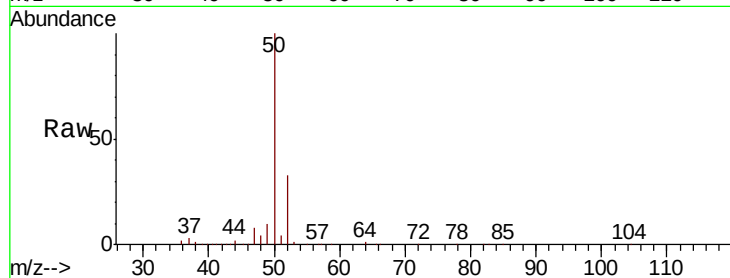
52 32.8 26.4 39.6

Manual Integrations

APPROVED

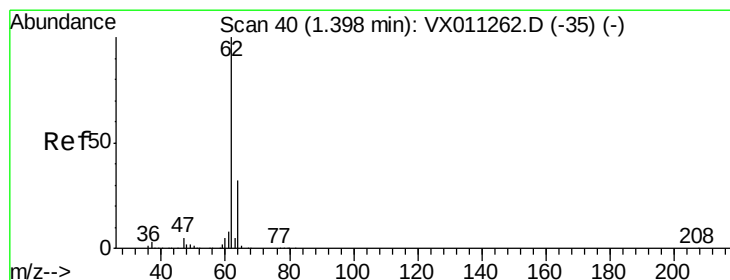
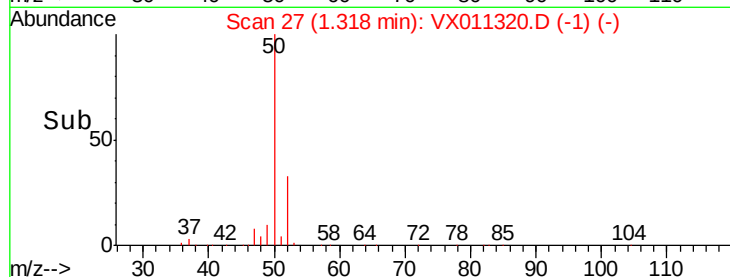
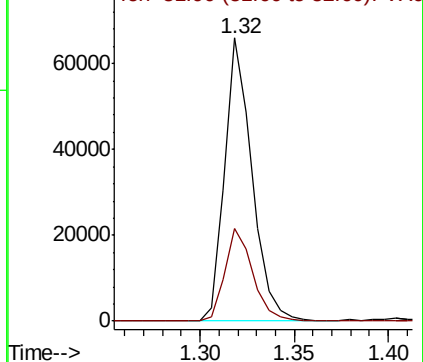
MMDadoda

8/6/2019 4:48:33 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.946 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011320.D

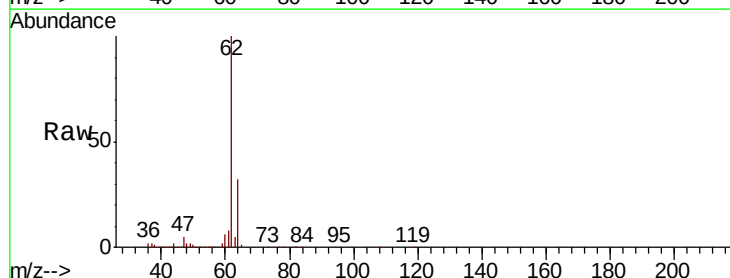
Acq: 05 Aug 2019 10:21

Tgt Ion: 62 Resp: 74489

Ion Ratio Lower Upper

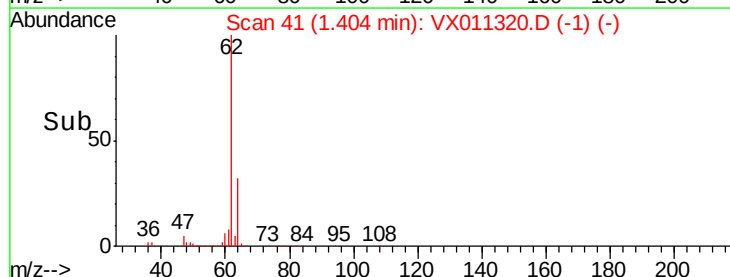
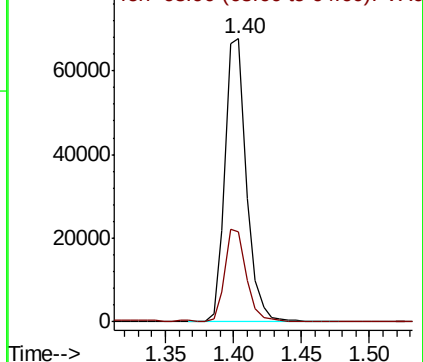
62 100

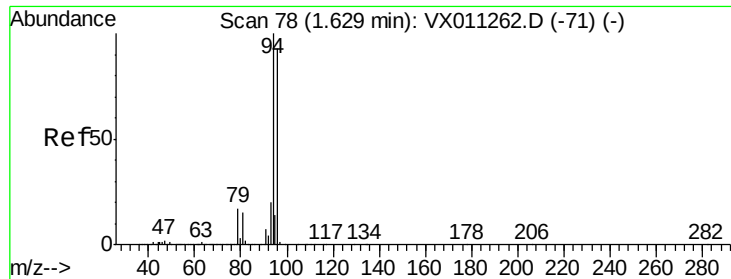
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.809 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47185

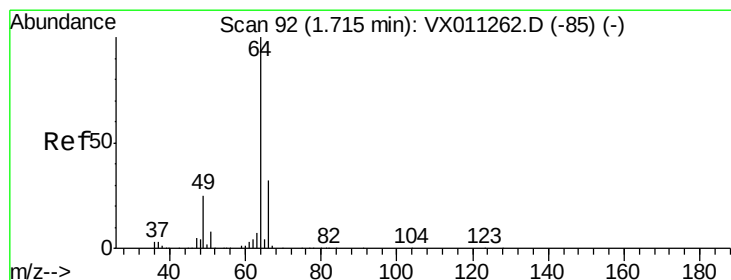
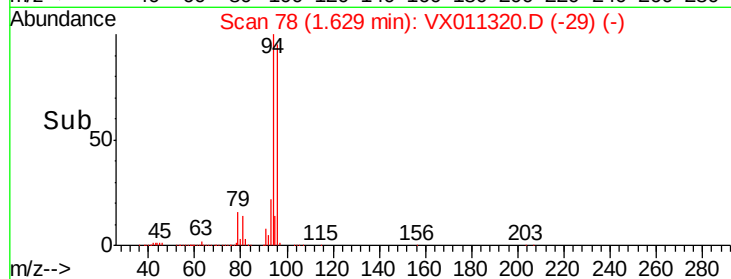
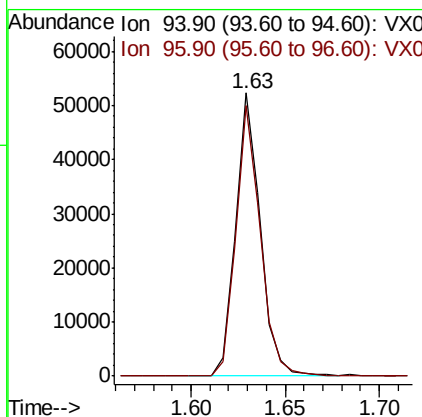
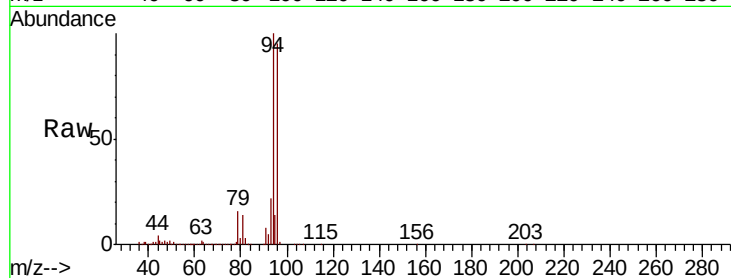
Ion Ratio Lower Upper

94 100

96 95.5 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#6

Chloroethane

Concen: 48.799 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011320.D

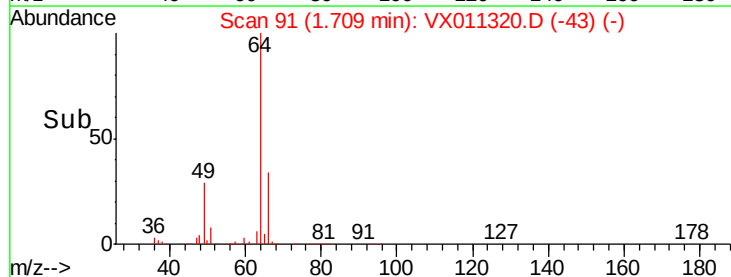
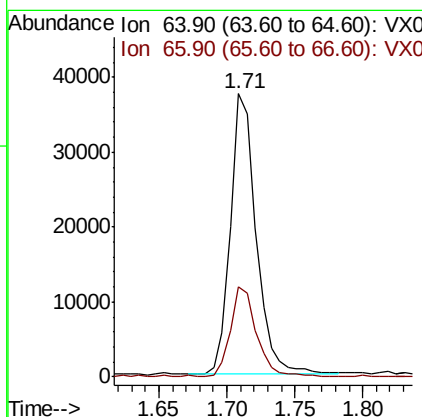
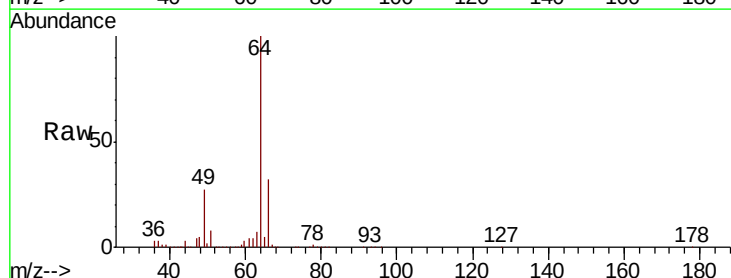
Acq: 05 Aug 2019 10:21

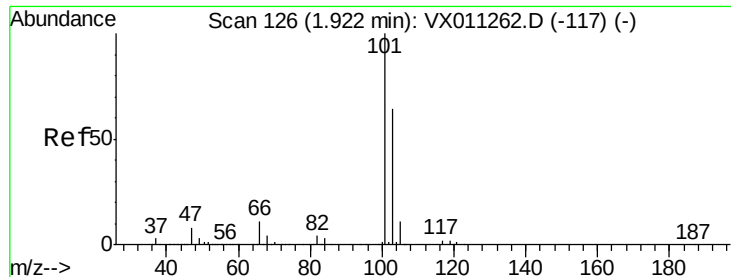
Tgt Ion: 64 Resp: 49043

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

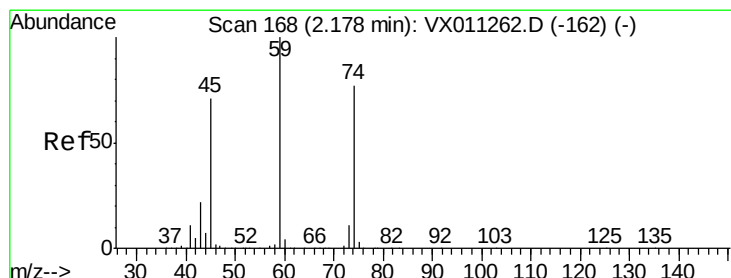
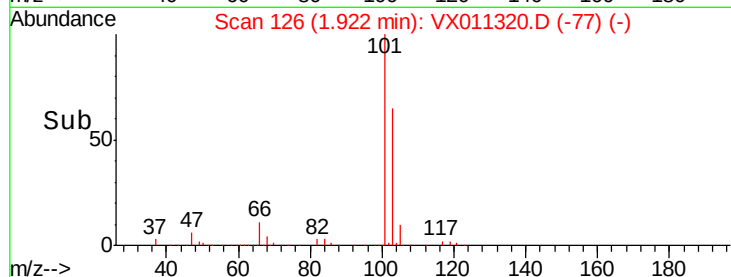
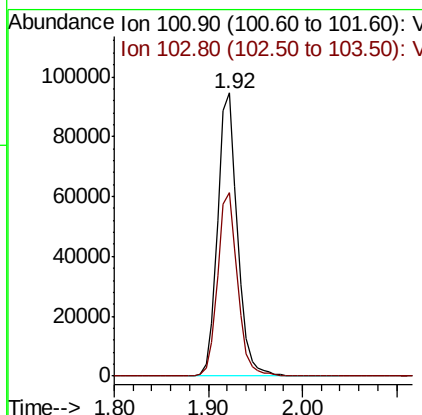
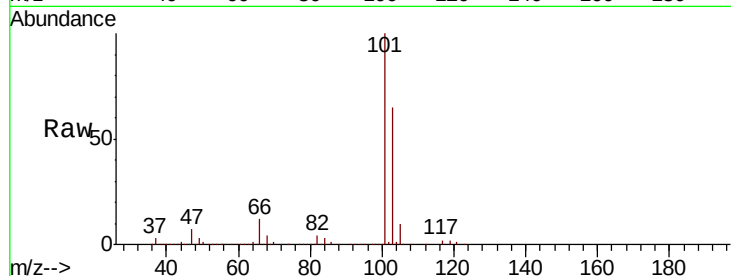
Trichlorofluoromethane
Concen: 47.788 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.9	76.3

Manual Integrations
APPROVED

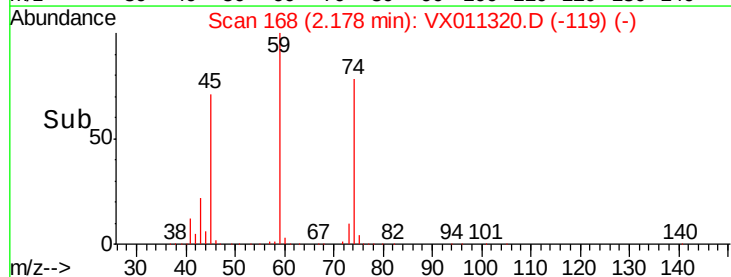
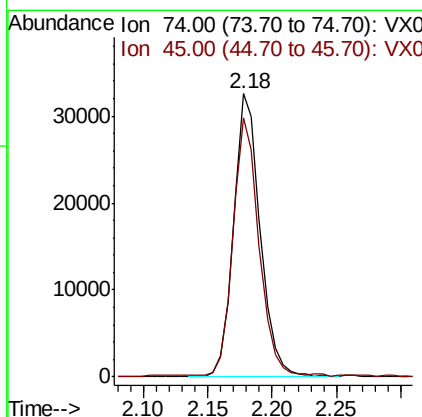
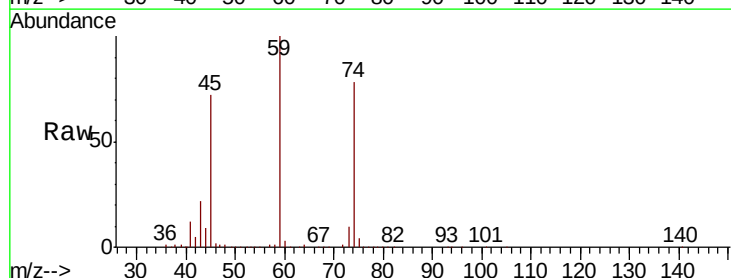
MMDadoda
8/6/2019 4:48:33 PM

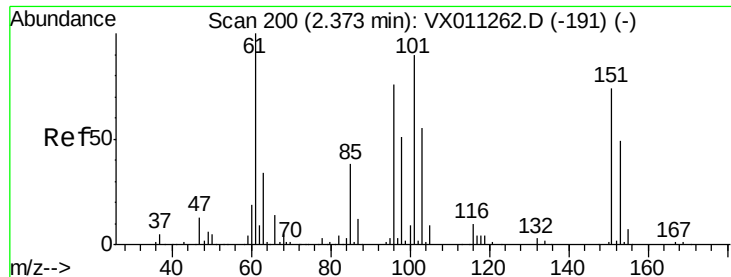


#8

Diethyl Ether
Concen: 45.502 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.641 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

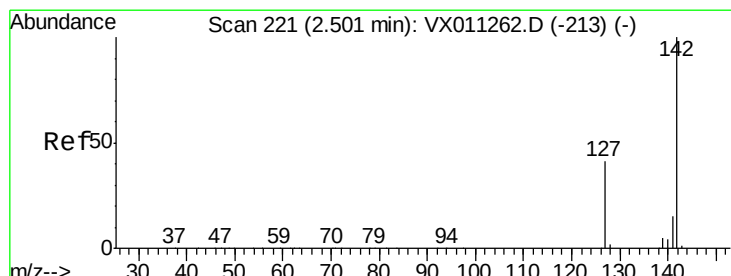
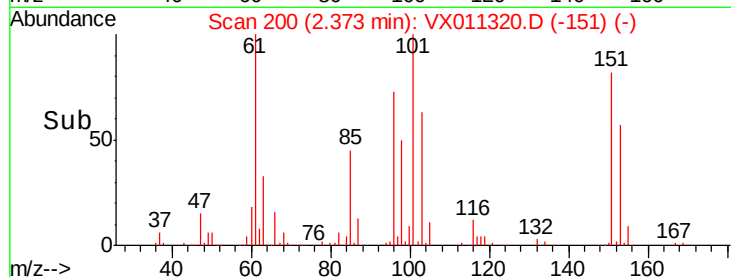
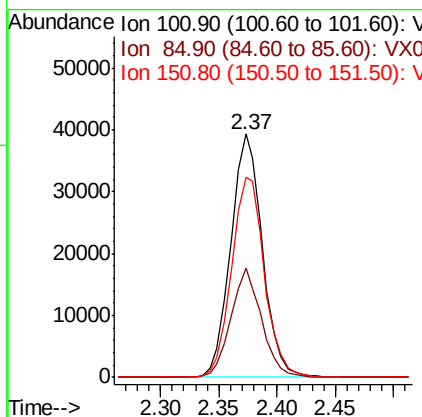
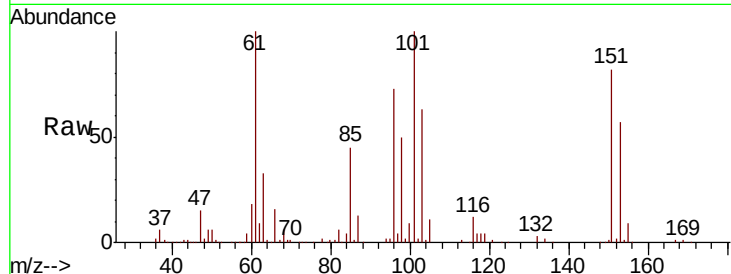
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	74308
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.8	50.6
151	85.5	69.5	104.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#10

Methyl Iodide

Concen: 42.523 ug/l

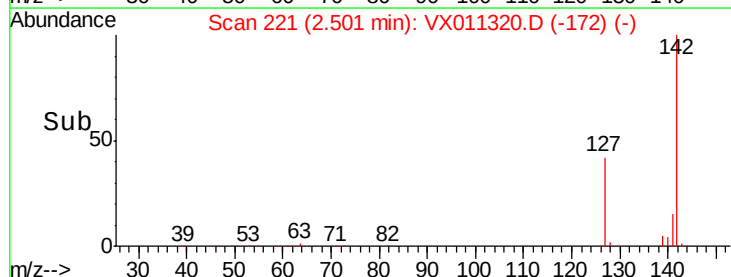
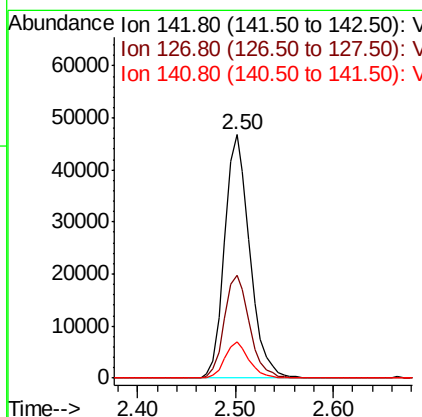
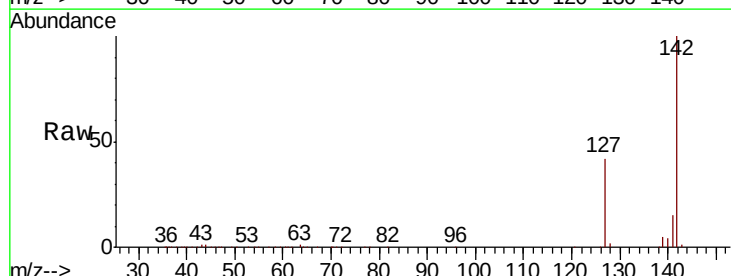
RT: 2.50 min Scan# 221

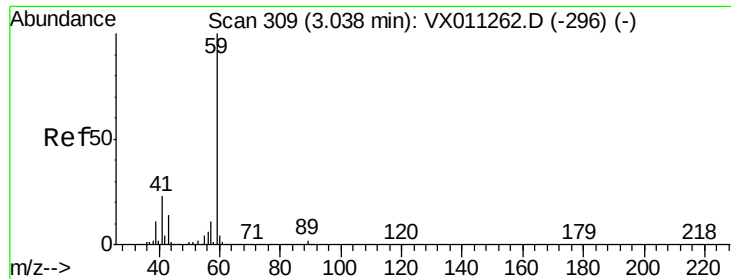
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	142	Resp:	83618
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.8
141	14.4	11.4	17.2





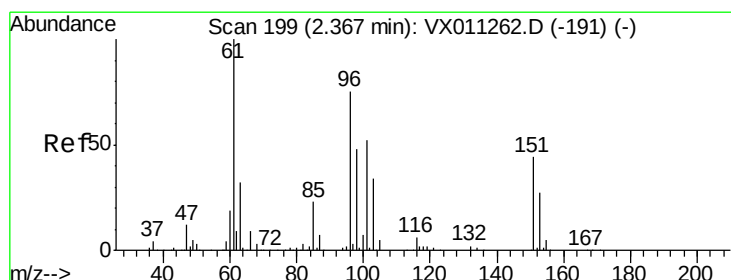
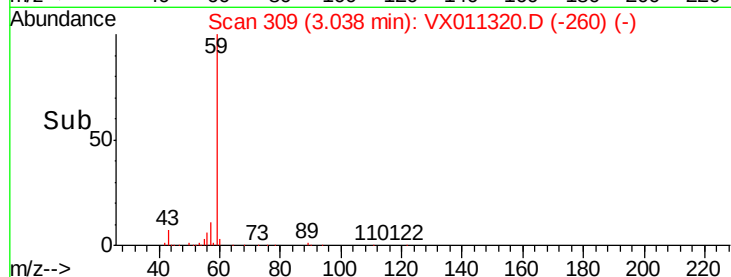
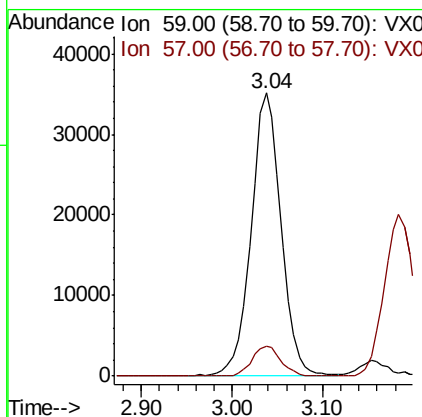
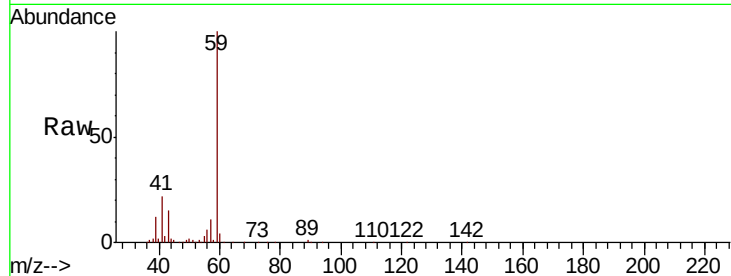
#11
Tert butyl alcohol
Concen: 235.508 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	80367
Ion Ratio	100	Lower	Upper
57	10.5	8.3	12.5

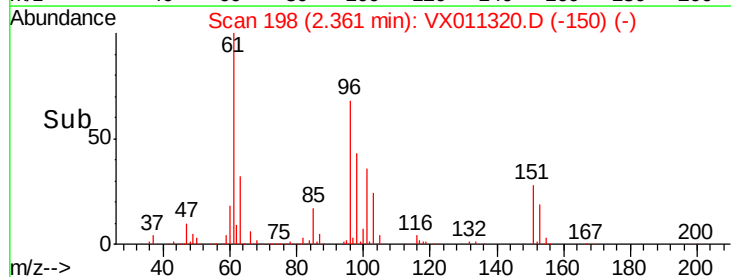
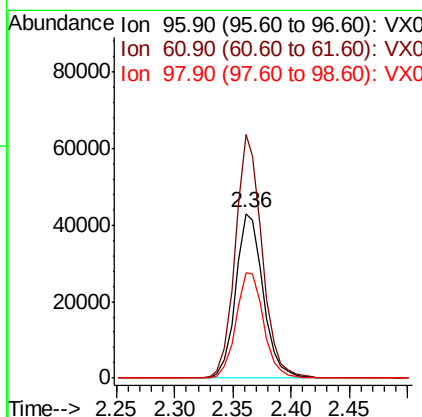
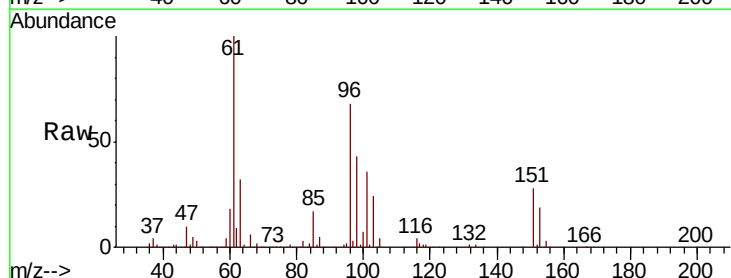
Manual Integrations
APPROVED

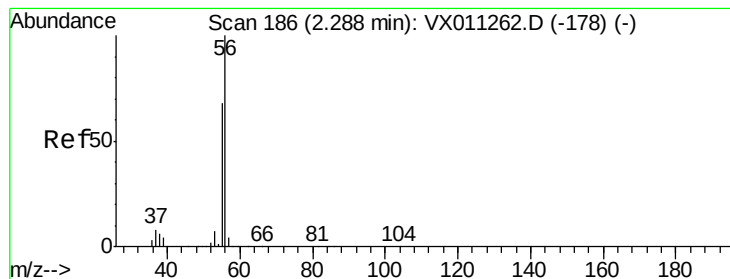
MMDadoda
8/6/2019 4:48:33 PM



#12
1,1-Dichloroethene
Concen: 45.516 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	96	Resp	70374
Ion Ratio	100	Lower	Upper
61	148.0	106.2	159.2
98	64.1	50.6	75.8





#13

Acrolein

Concen: 231.544 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49111

Ion Ratio Lower Upper

56 100

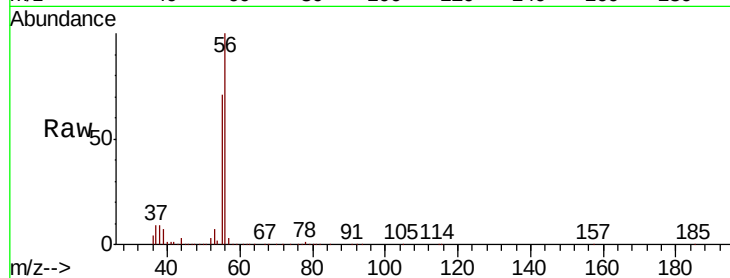
55 71.3 56.0 84.0

Manual Integrations

APPROVED

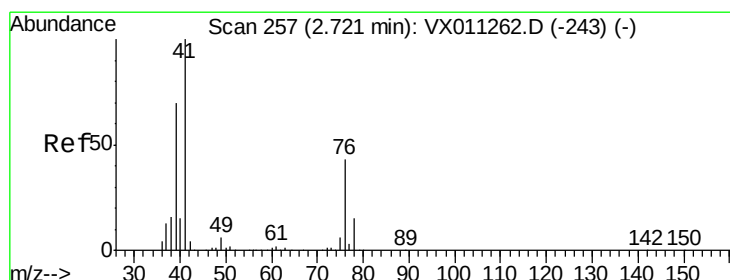
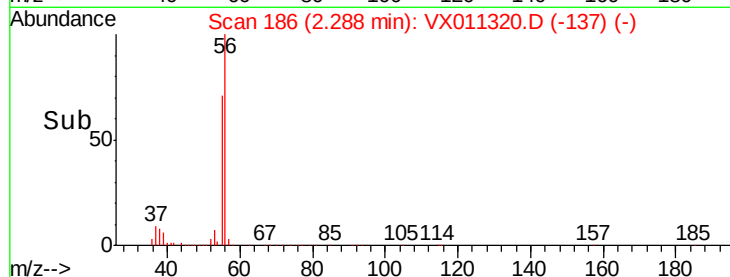
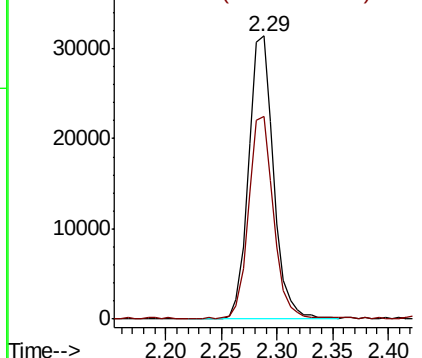
MMDadoda

8/6/2019 4:48:33 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.143 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

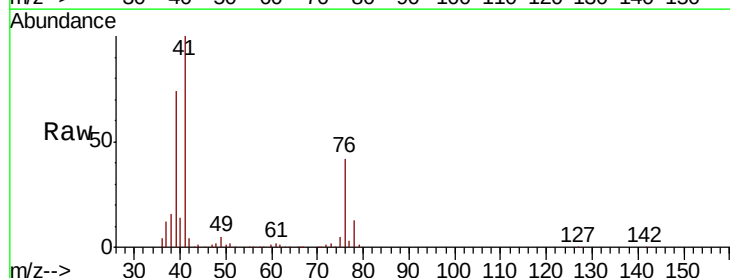
Tgt Ion: 41 Resp: 105416

Ion Ratio Lower Upper

41 100

39 66.9 52.8 79.2

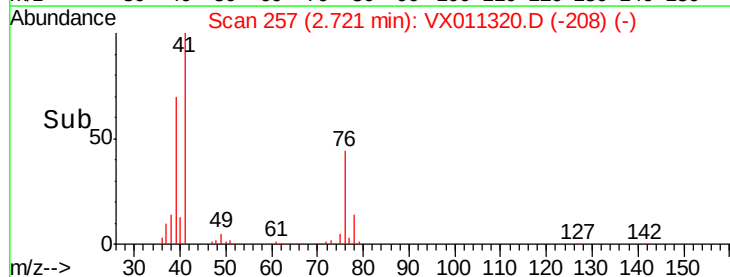
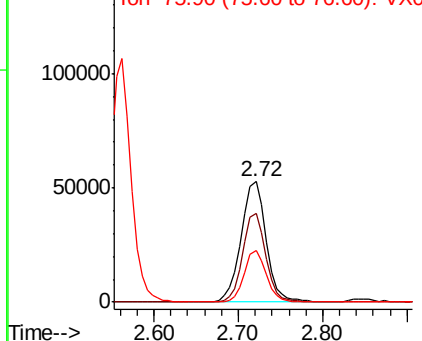
76 37.7 31.1 46.7

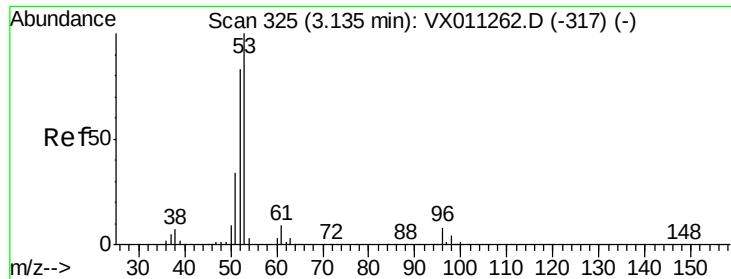


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 233.294 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

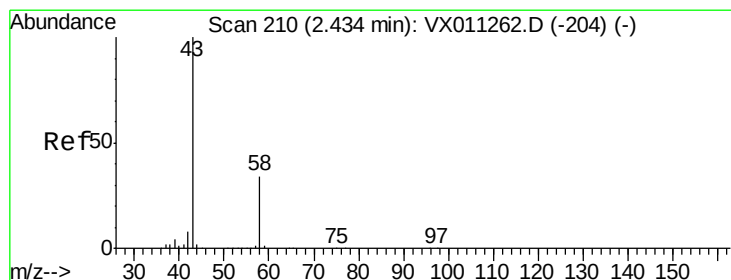
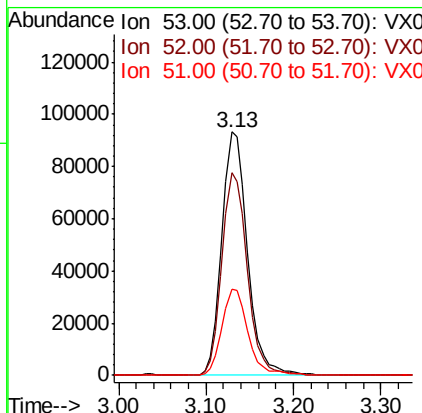
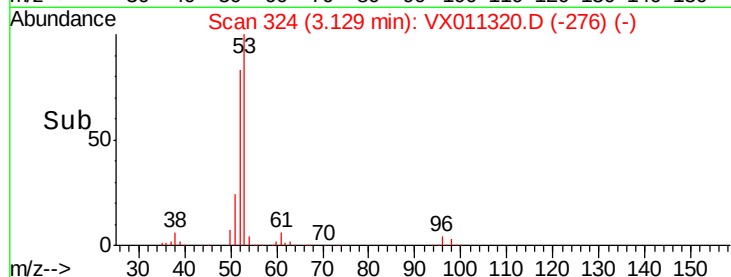
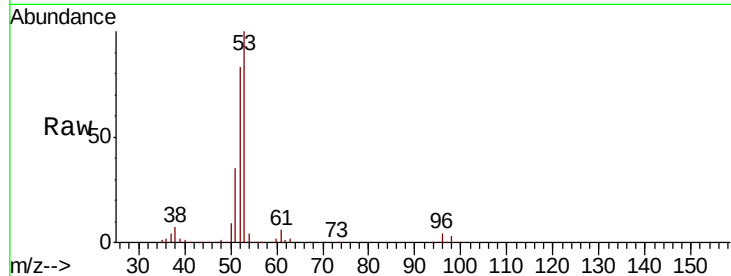
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	189981
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.5	98.3
51	36.2	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#16

Acetone

Concen: 261.752 ug/l

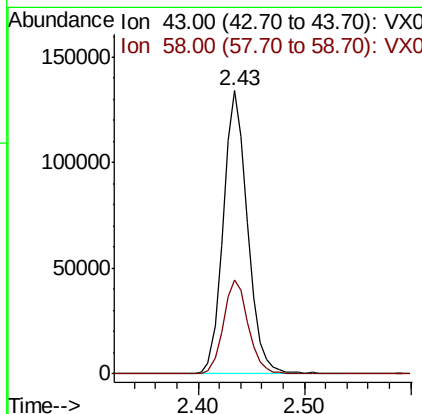
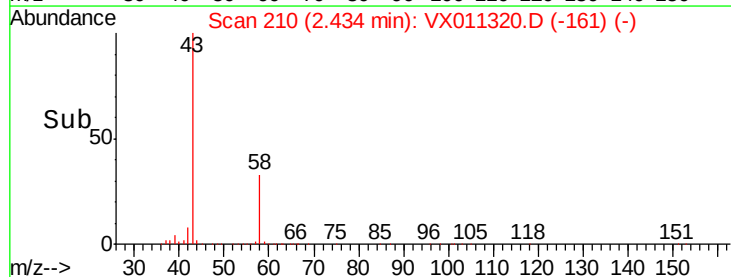
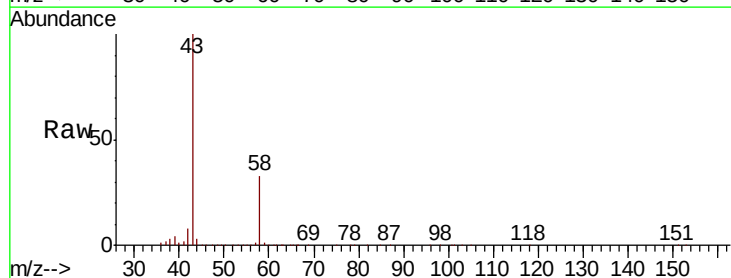
RT: 2.43 min Scan# 210

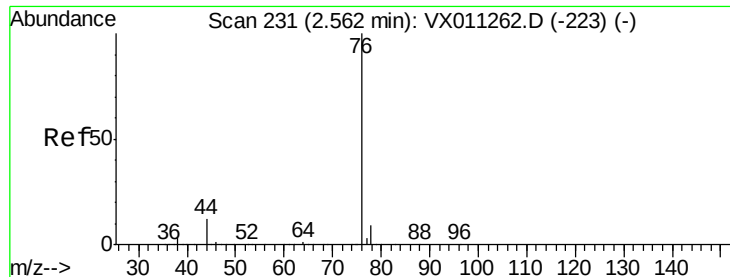
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	43	Resp:	213212
Ion Ratio	Lower	Upper	
43	100		
58	33.4	27.4	41.0





#17

Carbon Disulfide

Concen: 49.380 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 179163

Ion Ratio Lower Upper

76 100

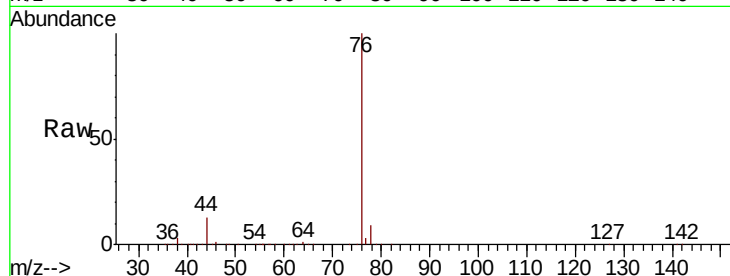
78 9.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

8/6/2019 4:48:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

120000

100000

80000

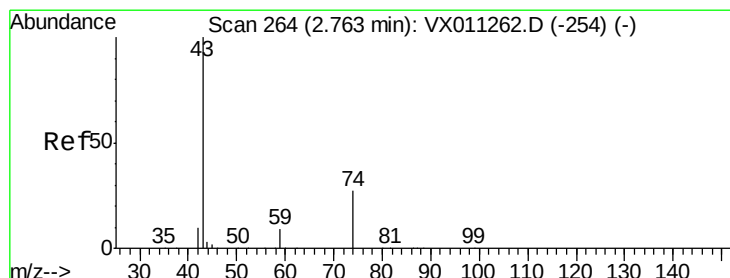
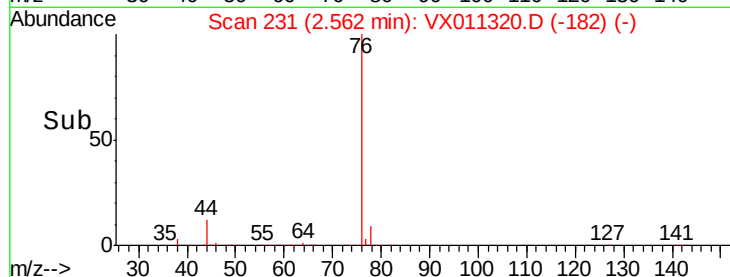
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.442 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011320.D

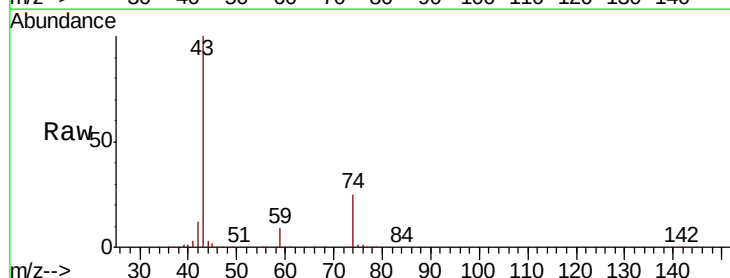
Acq: 05 Aug 2019 10:21

Tgt Ion: 43 Resp: 84590

Ion Ratio Lower Upper

43 100

74 27.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

50000

40000

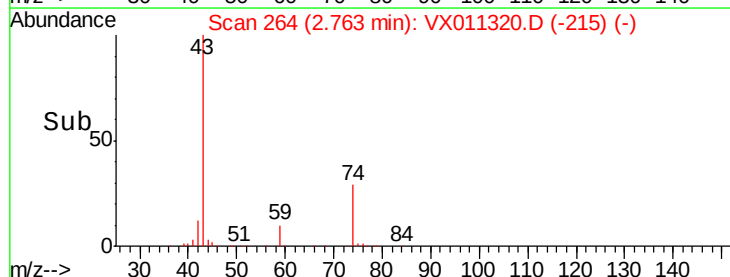
30000

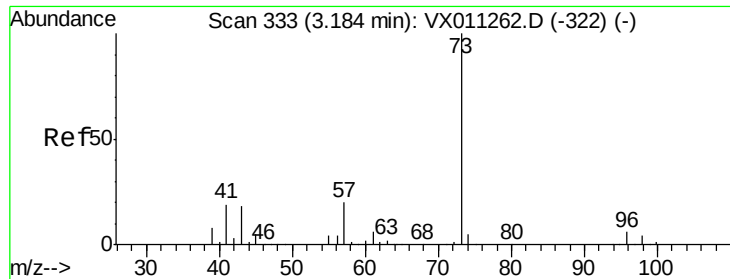
20000

10000

0

Time-->





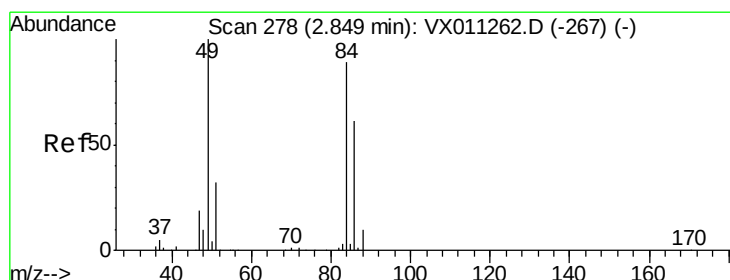
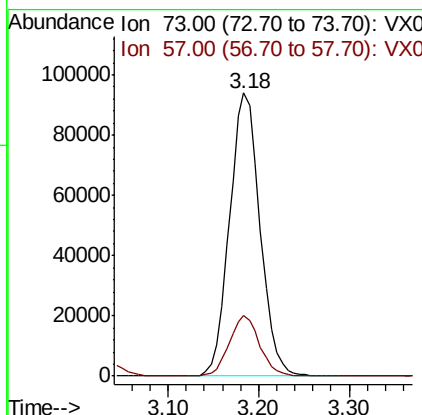
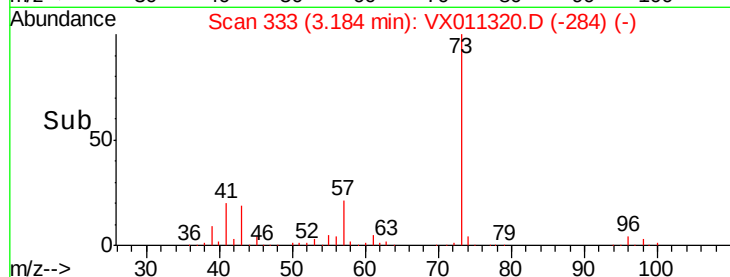
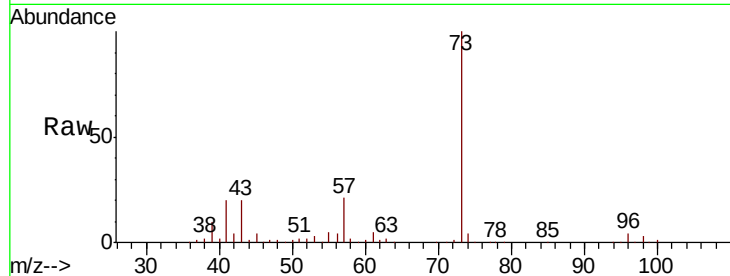
#19
Methyl tert-butyl Ether
Concen: 48.001 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.2	24.2

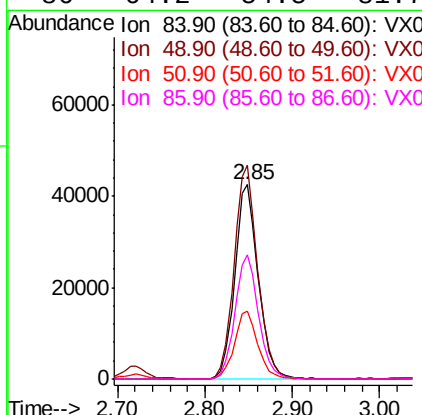
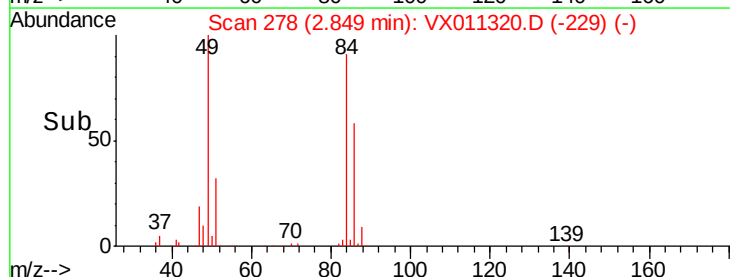
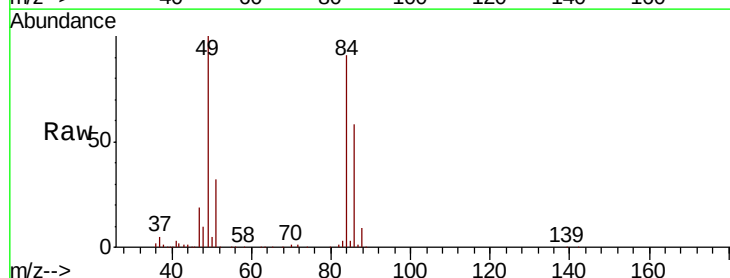
Manual Integrations
APPROVED

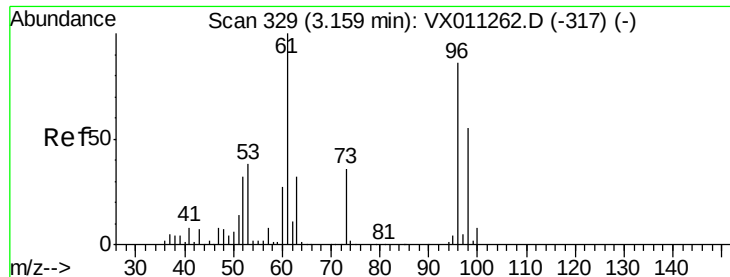
MMDadoda
8/6/2019 4:48:33 PM



#20
Methylene Chloride
Concen: 44.659 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.9	89.3	133.9
51	34.8	28.3	42.5
86	64.2	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 47.088 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

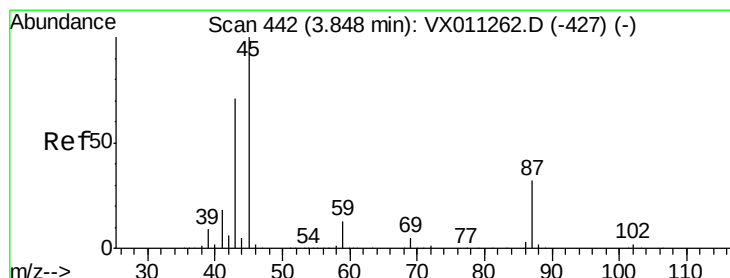
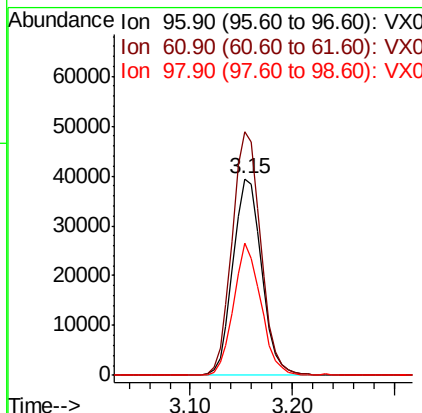
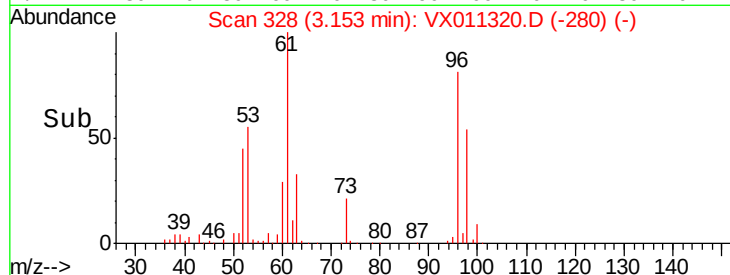
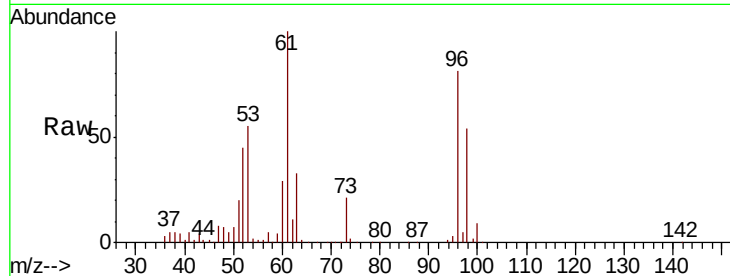
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	77013
Ion	Ratio	Lower	Upper
96	100		
61	124.0	92.8	139.2
98	67.2	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#22

Diisopropyl ether

Concen: 47.985 ug/l

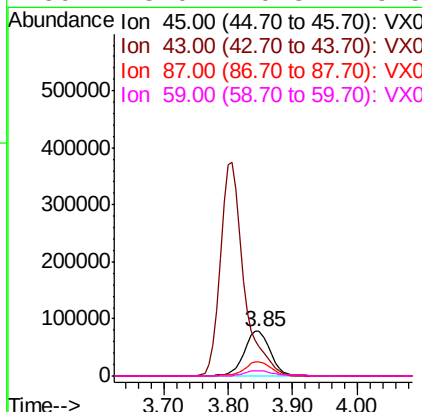
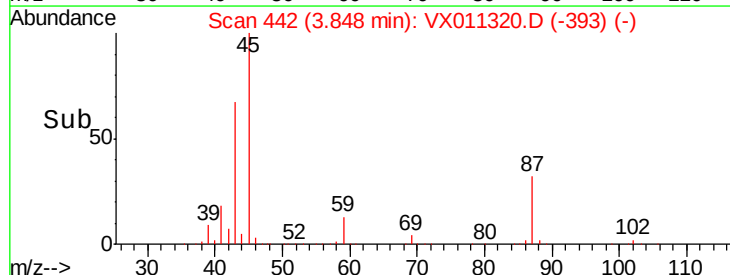
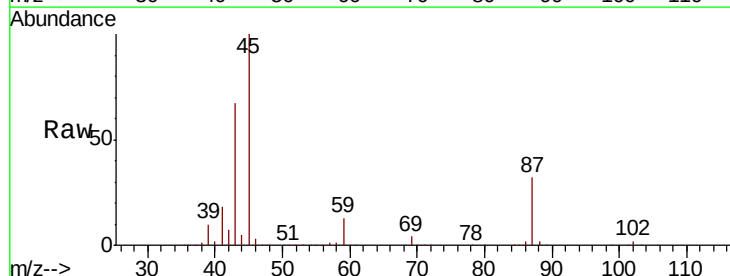
RT: 3.85 min Scan# 442

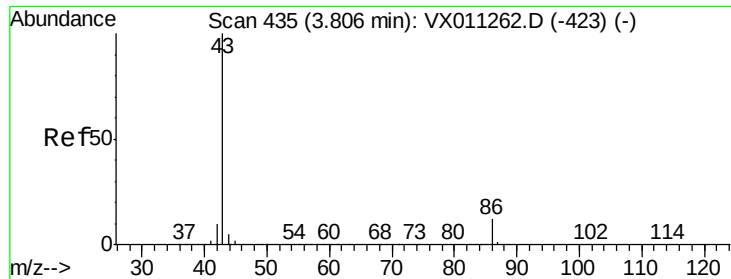
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	45	Resp:	217380
Ion	Ratio	Lower	Upper
45	100		
43	66.6	56.8	85.2
87	31.8	25.8	38.6
59	13.0	10.3	15.5





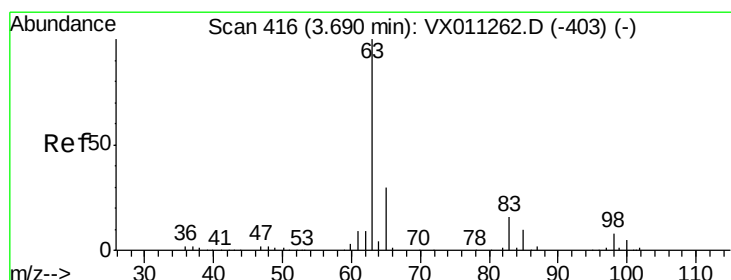
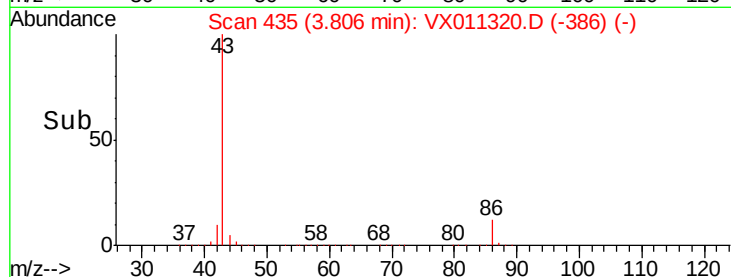
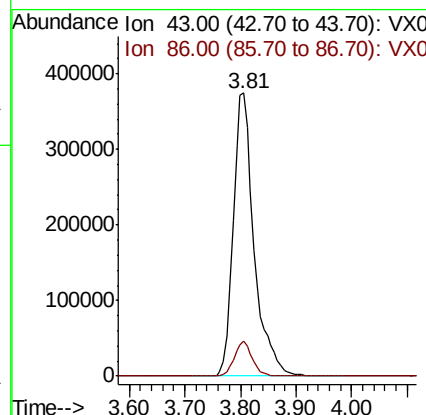
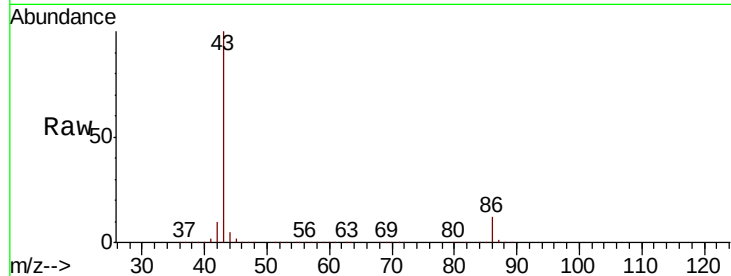
#23
 Vinyl Acetate
 Concen: 256.902 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.6	14.4

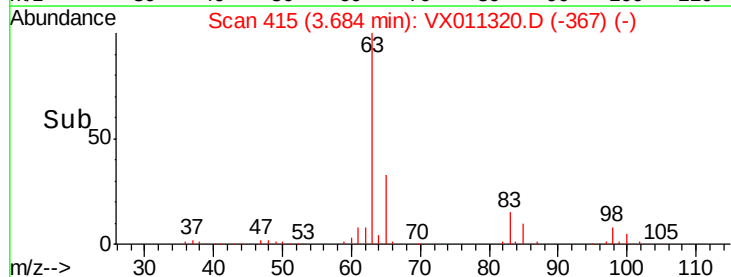
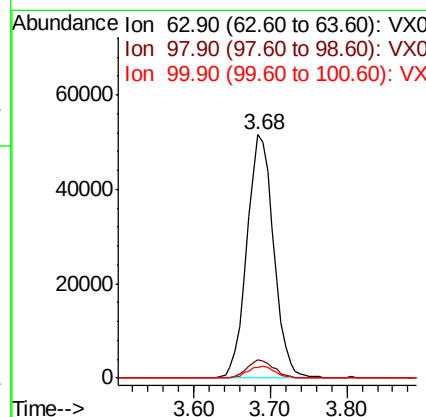
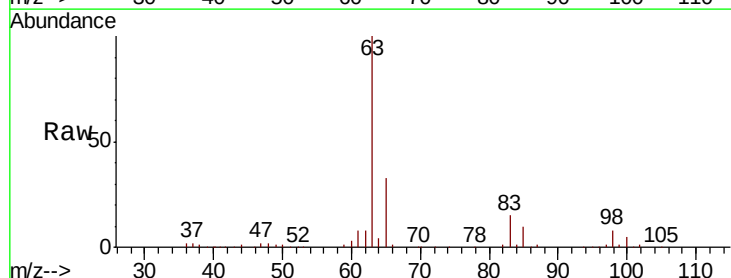
Manual Integrations
 APPROVED

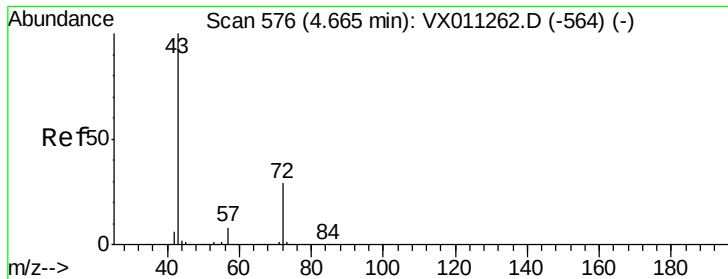
MMDadoda
 8/6/2019 4:48:33 PM



#24
 1,1-Dichloroethane
 Concen: 46.915 ug/l
 RT: 3.68 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.9	11.5
100	4.6	2.7	8.1





#25

2-Butanone

Concen: 240.979 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 279224

Ion Ratio Lower Upper

43 100

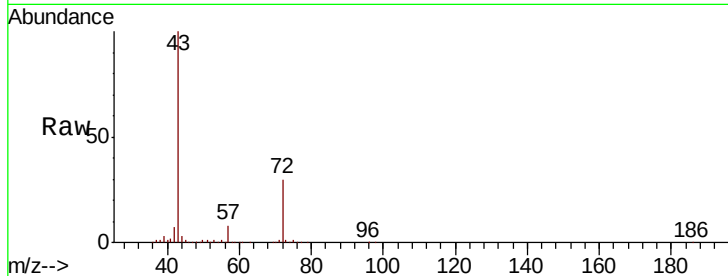
72 29.8 23.2 34.8

Manual Integrations

APPROVED

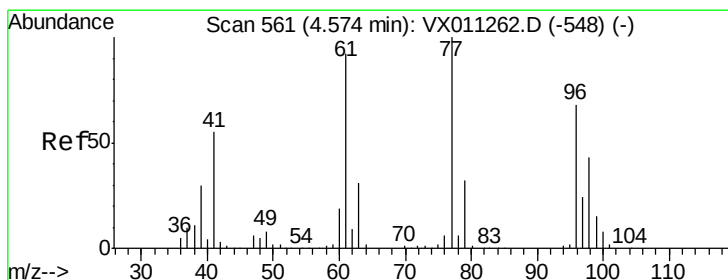
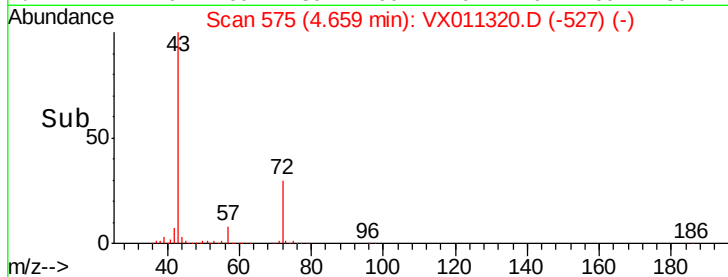
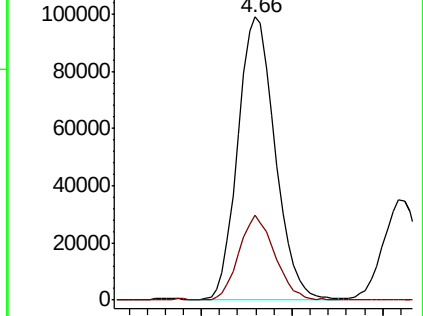
MMDadoda

8/6/2019 4:48:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.672 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011320.D

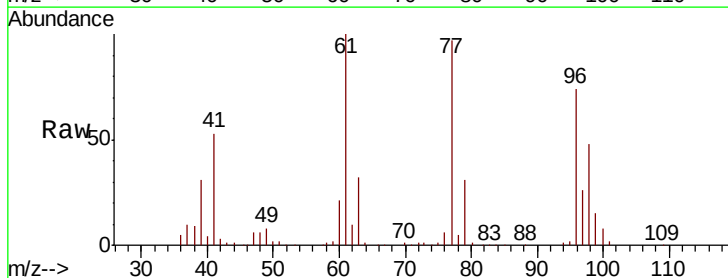
Acq: 05 Aug 2019 10:21

Tgt Ion: 77 Resp: 109374

Ion Ratio Lower Upper

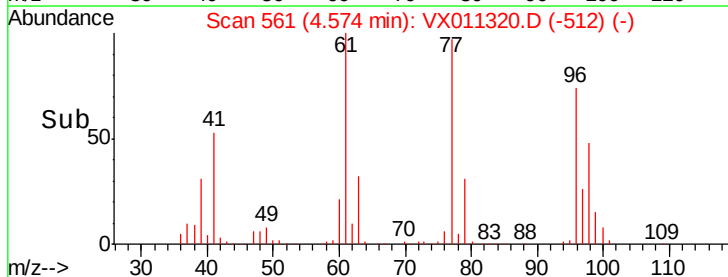
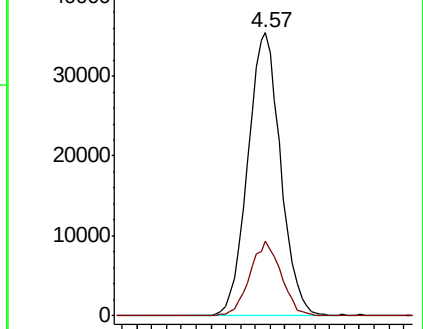
77 100

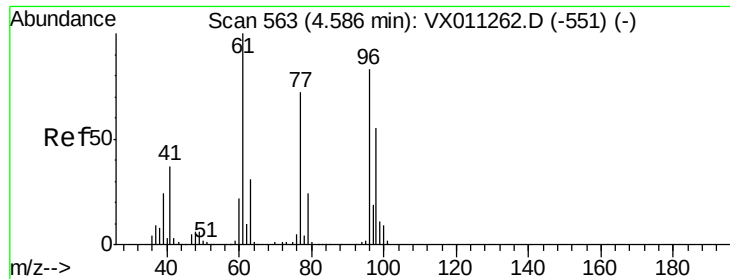
97 25.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

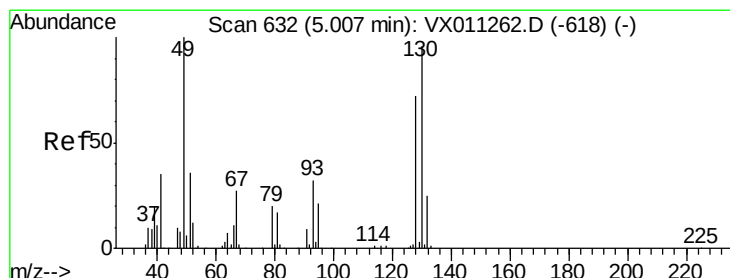
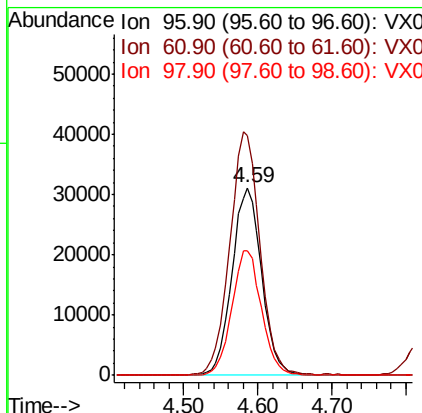
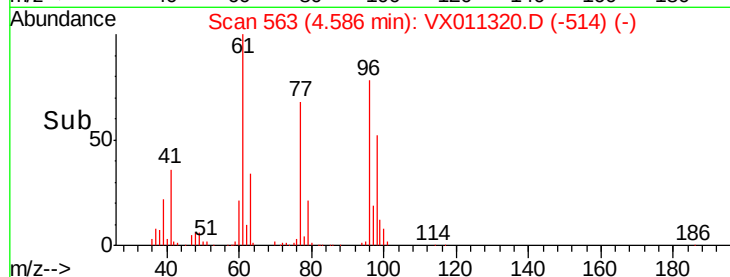
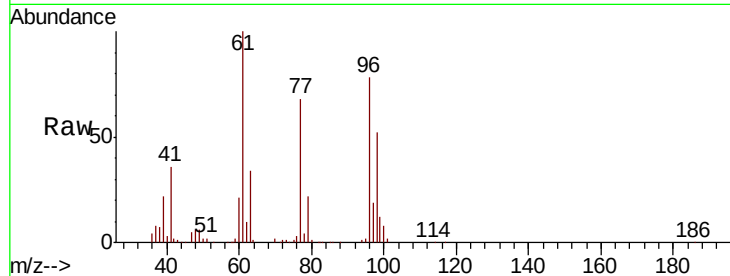
cis-1,2-Dichloroethene
Concen: 46.113 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.7	0.0	260.2	
98	66.4	0.0	133.2	

Manual Integrations
APPROVED

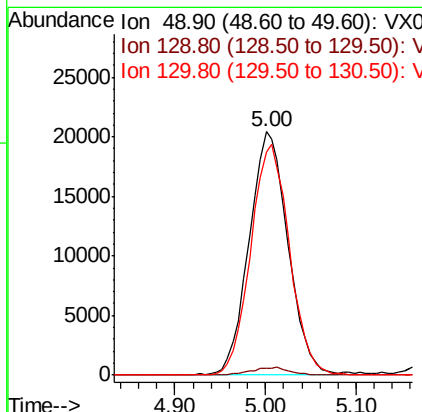
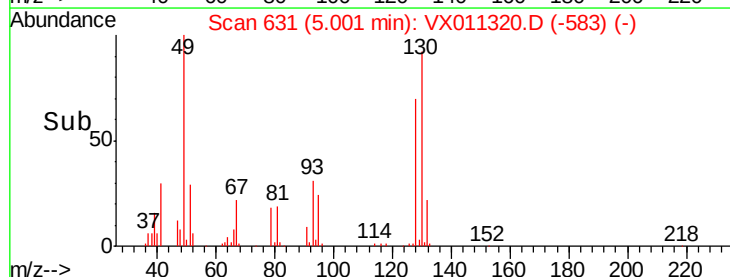
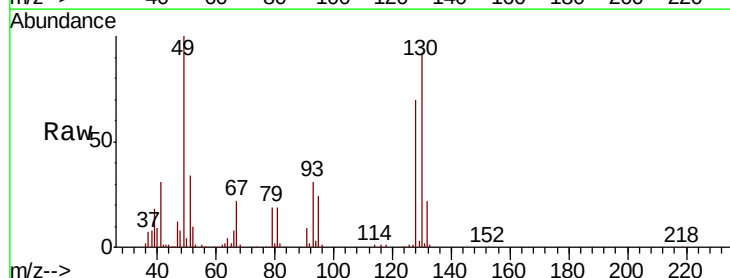
MMDadoda
8/6/2019 4:48:33 PM

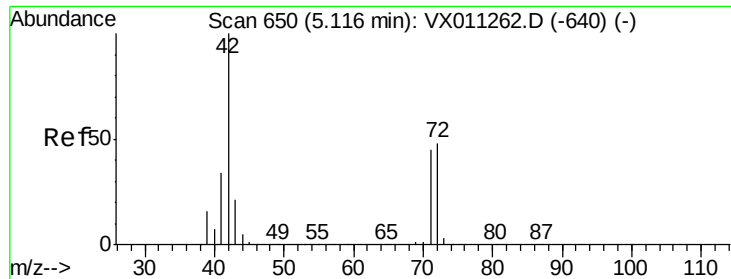


#28

Bromochloromethane
Concen: 49.751 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.0	0.0	5.8	
130	94.7	77.9	116.9	





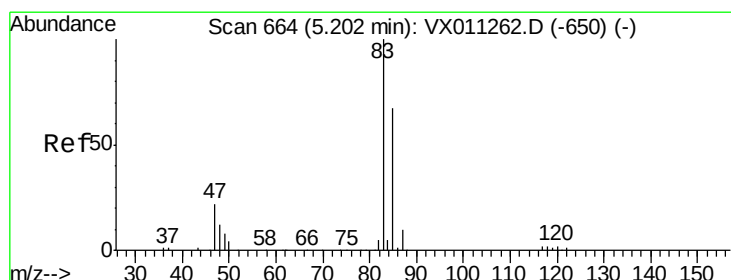
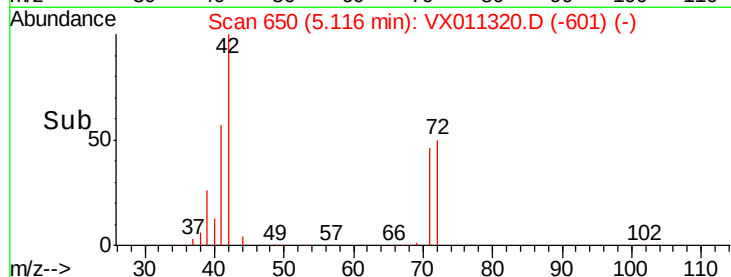
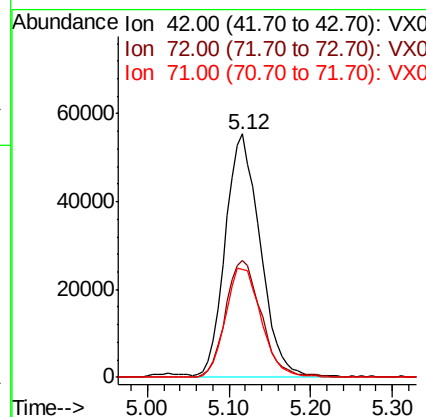
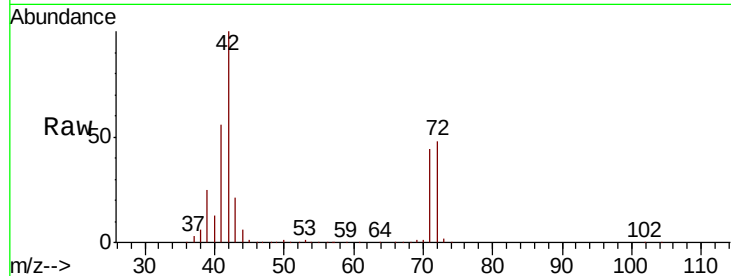
#29
Tetrahydrofuran
Concen: 230.276 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.9	59.9
71	46.3	36.9	55.3

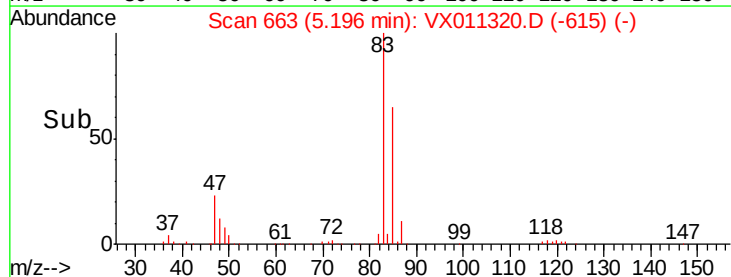
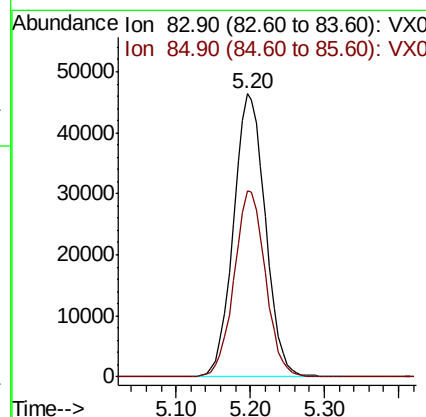
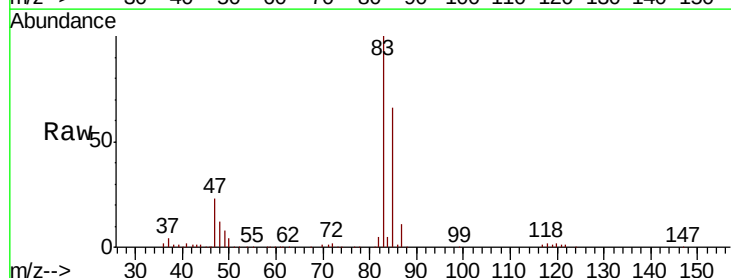
Manual Integrations
APPROVED

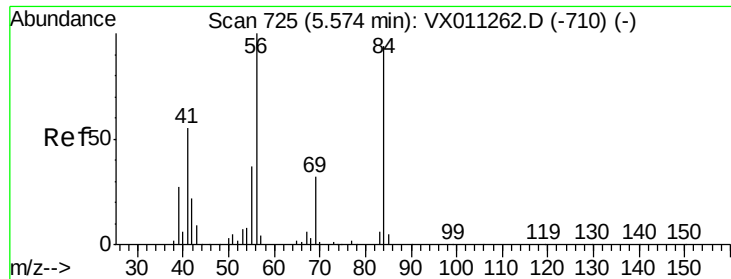
MMDadoda
8/6/2019 4:48:33 PM



#30
Chloroform
Concen: 47.874 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.4	80.0





#31

Cyclohexane

Concen: 48.139 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

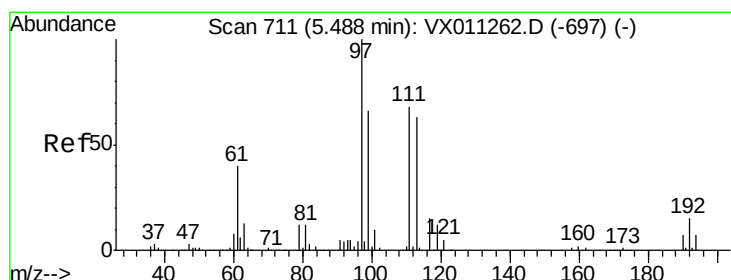
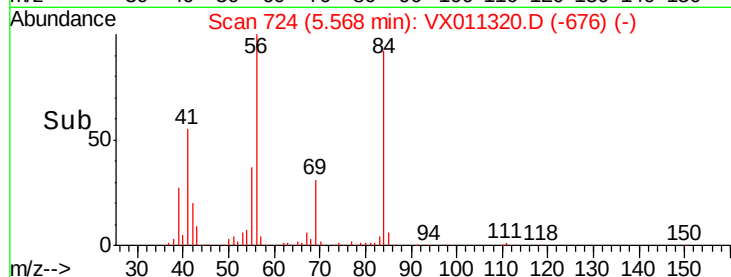
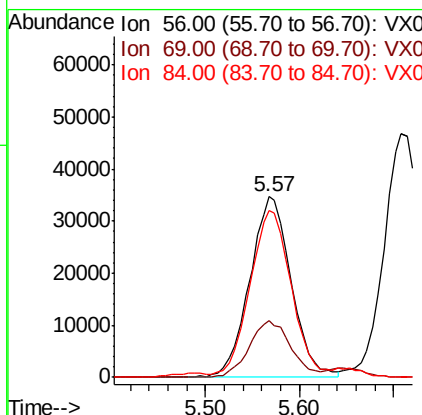
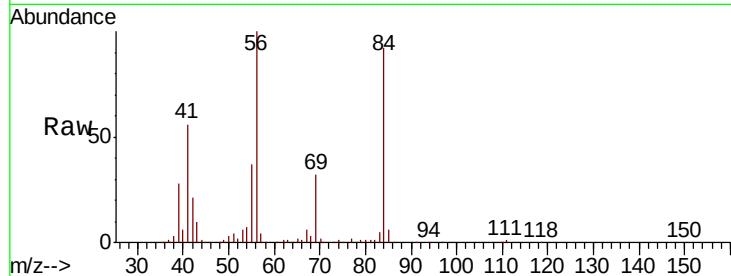
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	106090
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.5	38.3
84	90.4	75.0	112.4

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#32

1,1,1-Trichloroethane

Concen: 49.534 ug/l

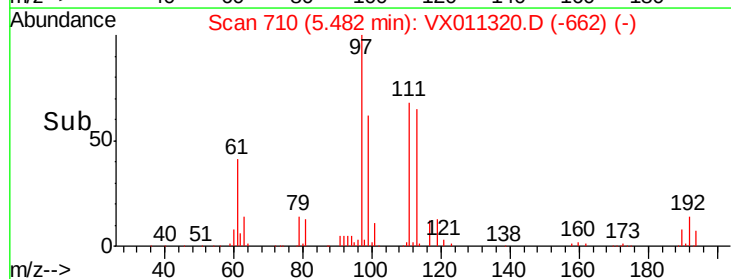
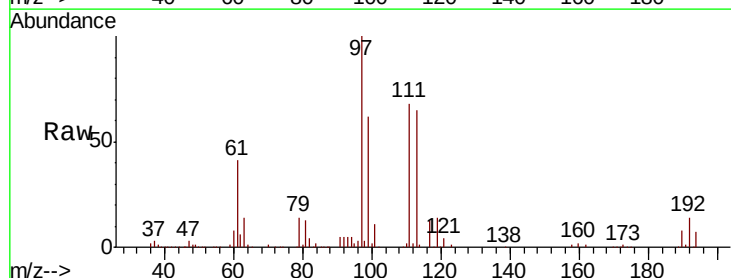
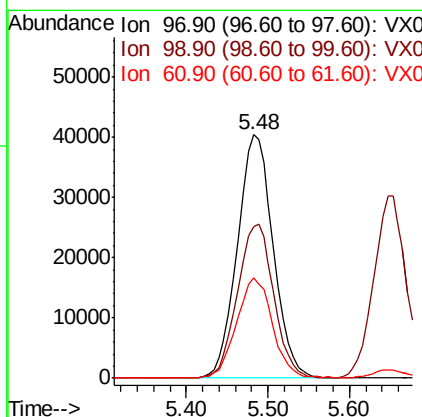
RT: 5.48 min Scan# 710

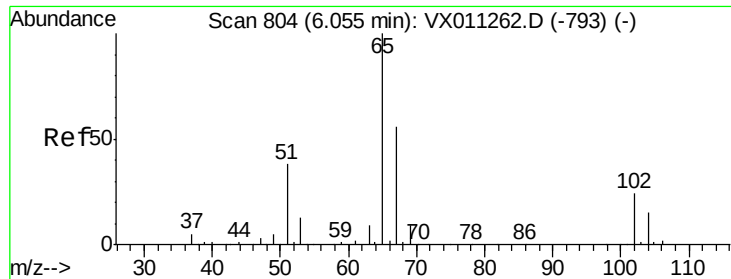
Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	97	Resp:	123195
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	41.3	32.3	48.5





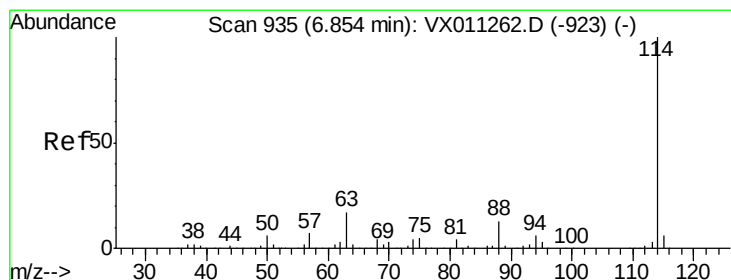
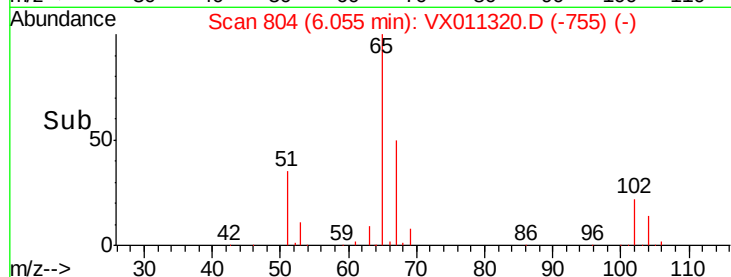
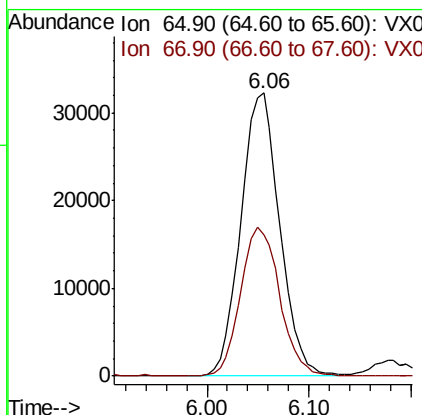
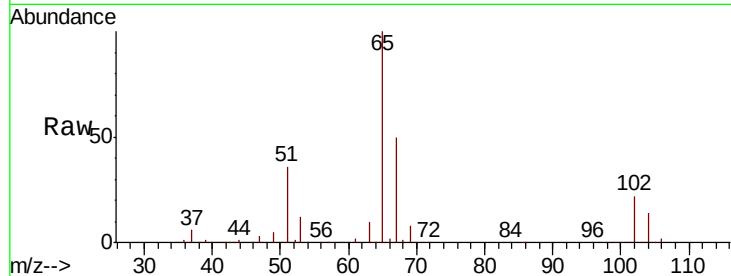
#33
 1,2-Dichloroethane-d4
 Concen: 49.959 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	110.6

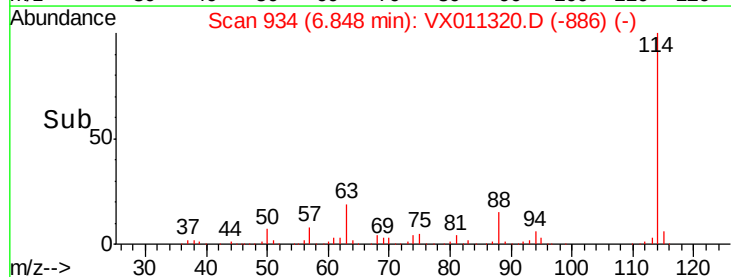
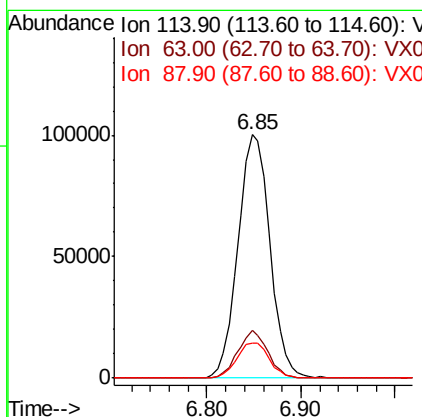
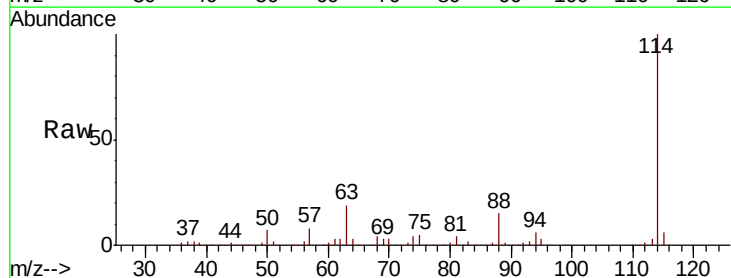
Manual Integrations
 APPROVED

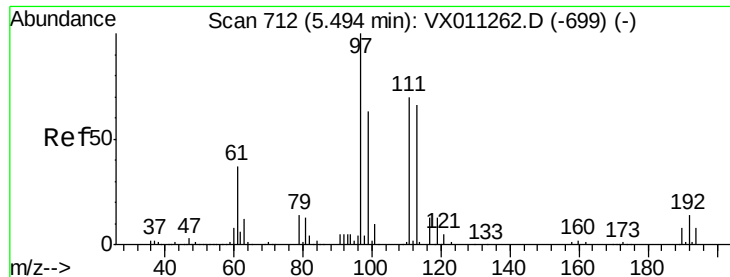
MMDadoda
 8/6/2019 4:48:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	34.0
88	14.5	0.0	26.4





#35

Dibromofluoromethane

Concen: 50.085 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

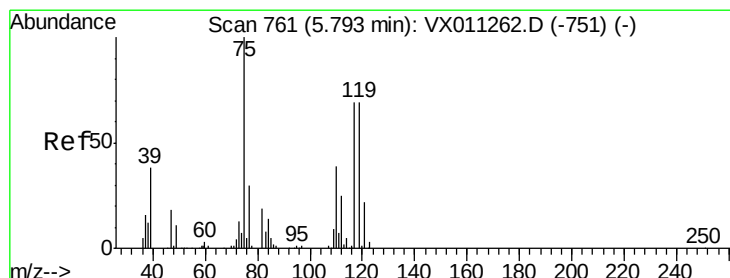
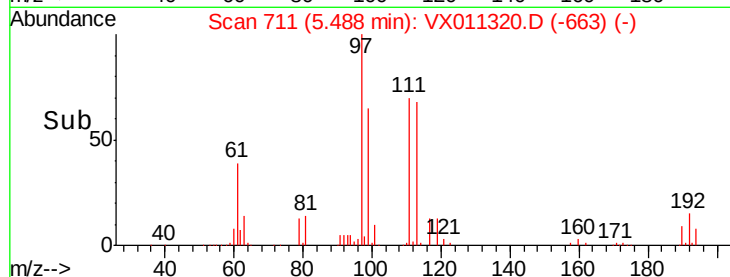
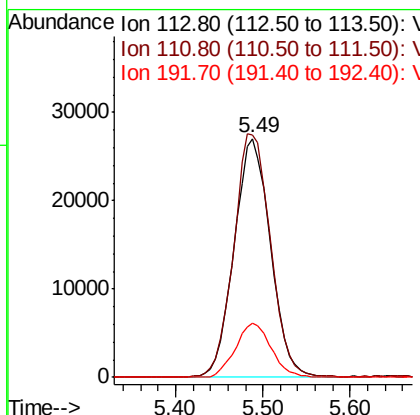
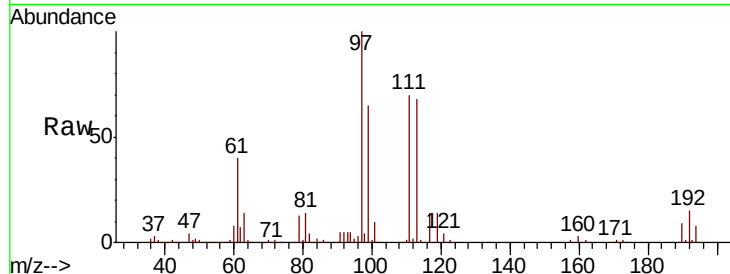
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	77953
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	22.3	17.8	26.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#36

1,1-Dichloropropene

Concen: 48.290 ug/l

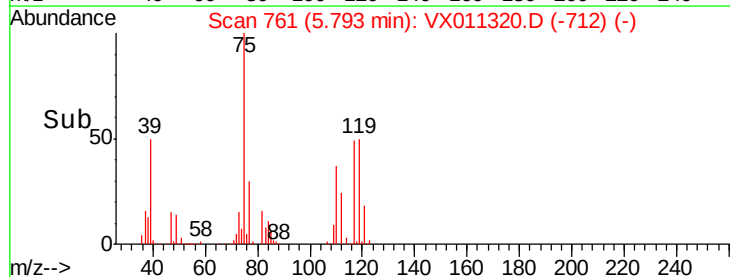
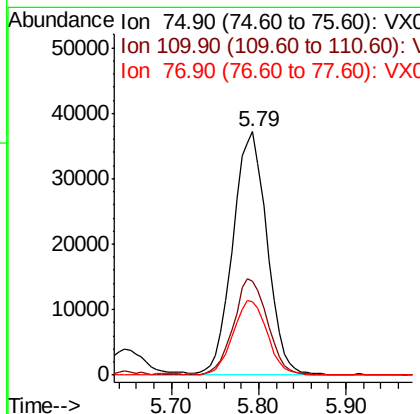
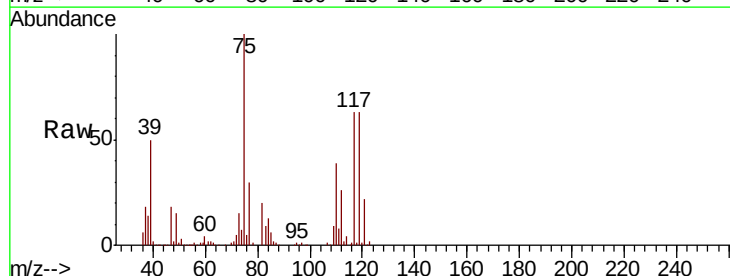
RT: 5.79 min Scan# 761

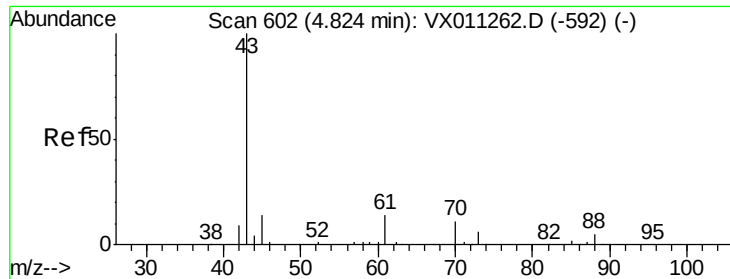
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	75	Resp:	100510
Ion	Ratio	Lower	Upper
75	100		
110	39.6	20.0	59.9
77	31.1	24.8	37.2





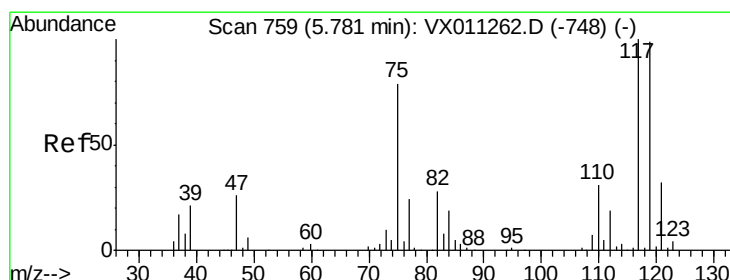
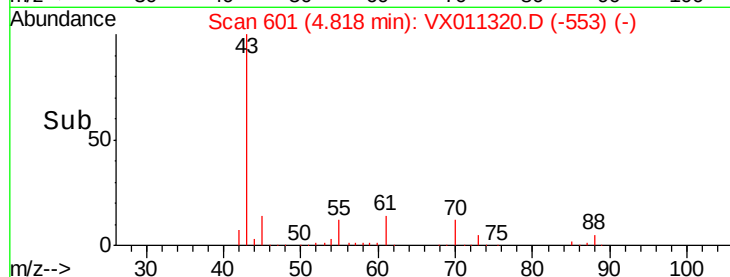
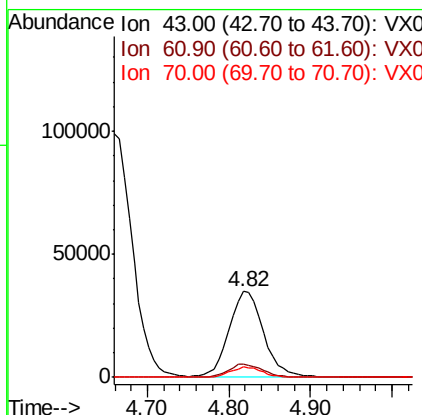
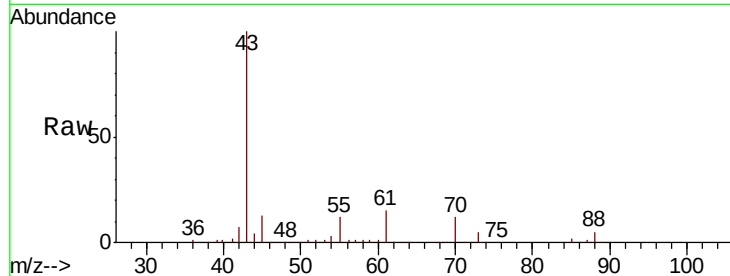
#37
Ethyl Acetate
Concen: 48.282 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	43	Resp:	100804
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.6	18.8
70	11.7	9.1	13.7

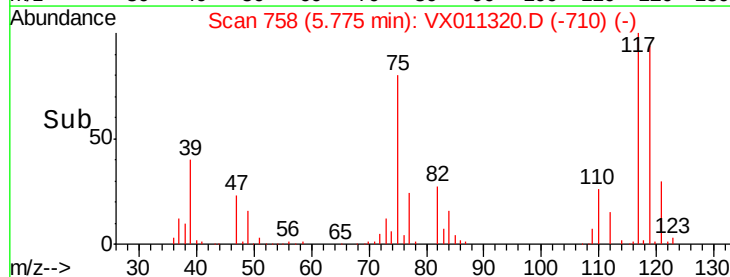
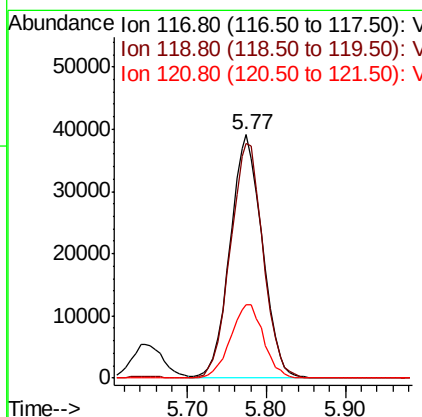
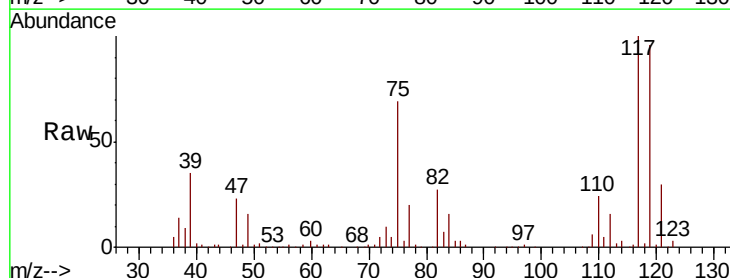
Manual Integrations
APPROVED

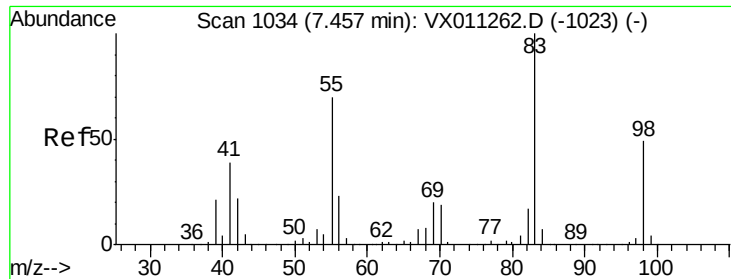
MMDadoda
8/6/2019 4:48:33 PM



#38
Carbon Tetrachloride
Concen: 53.143 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion:	117	Resp:	111283
Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.0	118.4
121	30.2	25.9	38.9





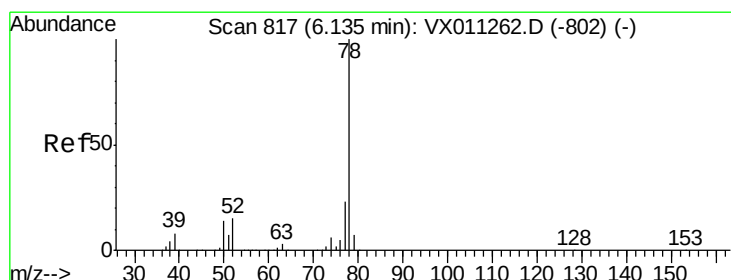
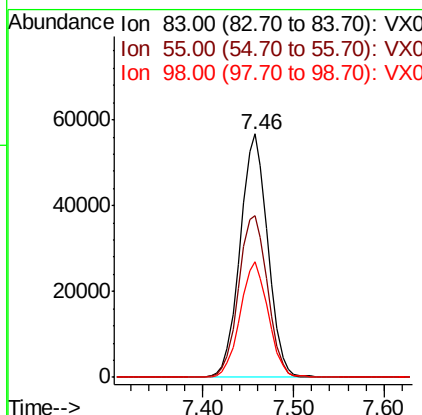
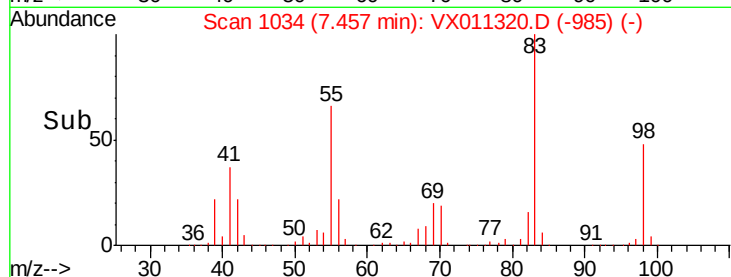
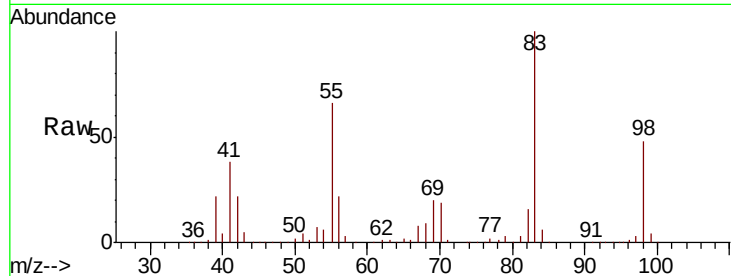
#39
Methylvlcyclohexane
Concen: 48.552 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.3	56.1	84.1	
98	47.5	39.0	58.4	

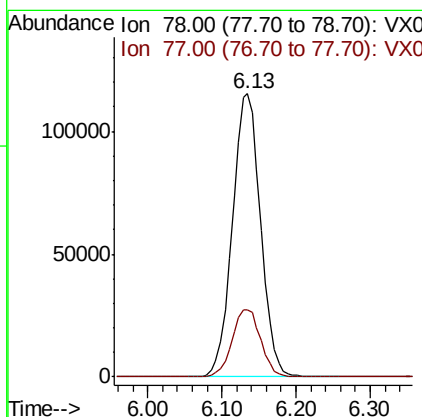
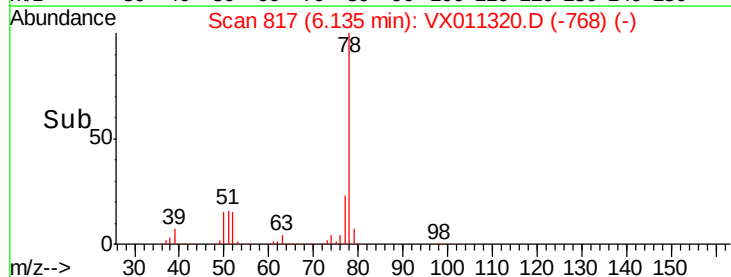
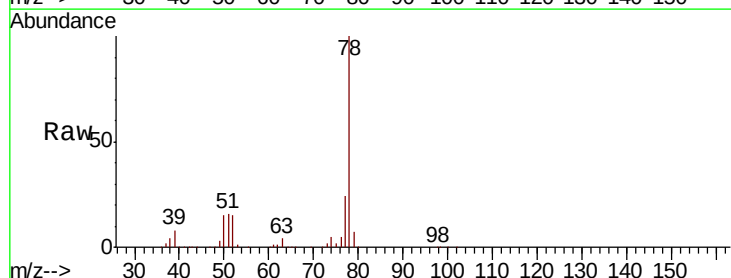
Manual Integrations
APPROVED

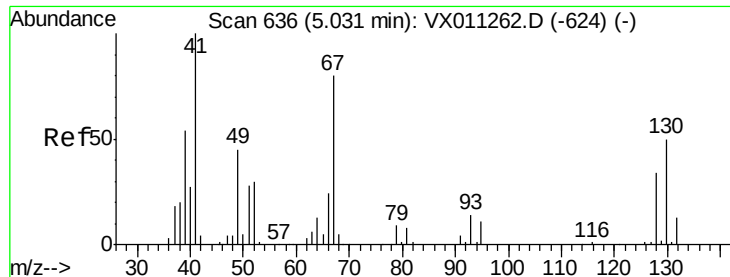
MMDadoda
8/6/2019 4:48:33 PM



#40
Benzene
Concen: 49.070 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.2	27.2	





#41

Methacrylonitrile

Concen: 48.436 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

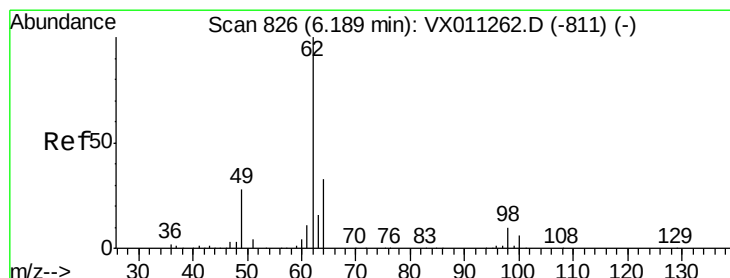
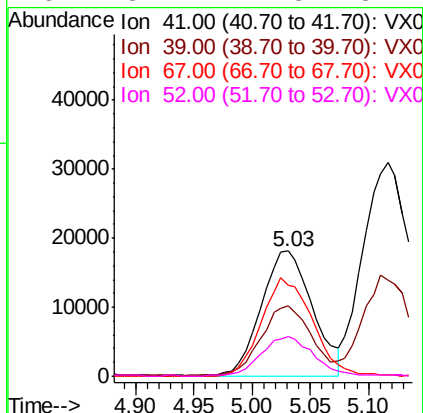
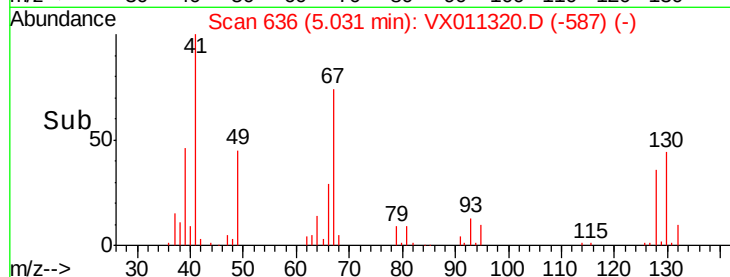
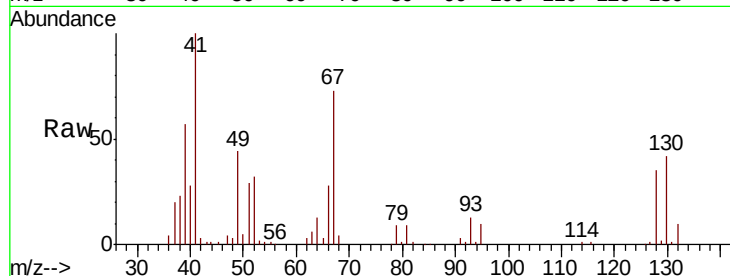
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	55227
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.0	64.6
67	78.9	65.1	97.7
52	32.1	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#42

1,2-Dichloroethane

Concen: 49.755 ug/l

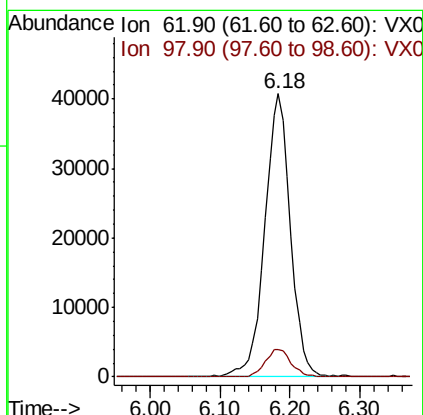
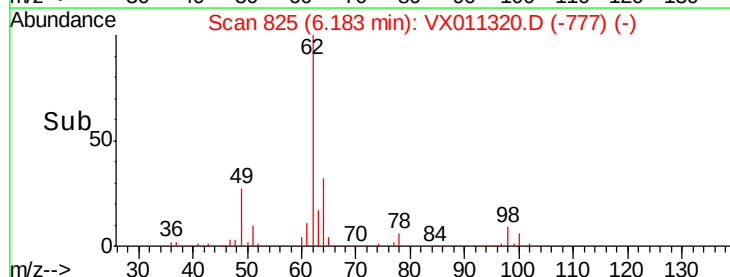
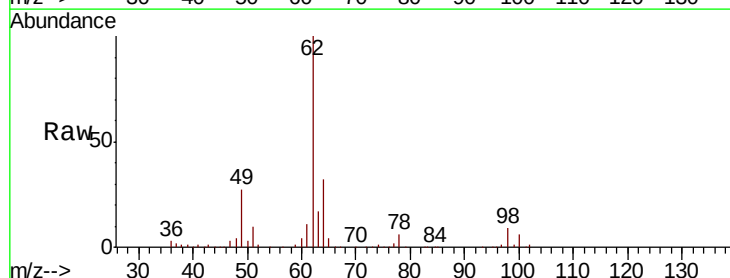
RT: 6.18 min Scan# 825

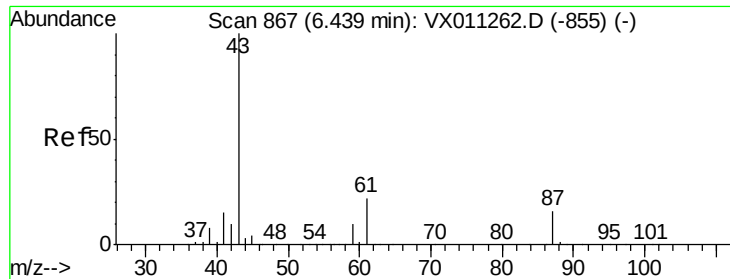
Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	62	Resp:	104499
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 49.004 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

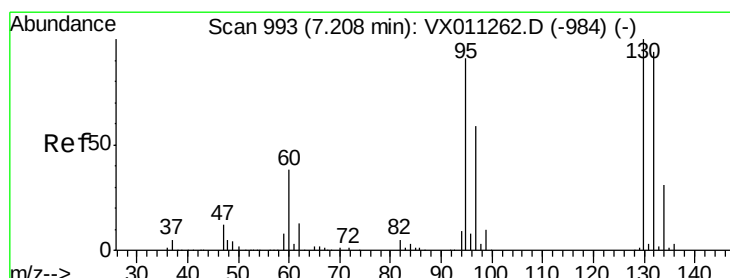
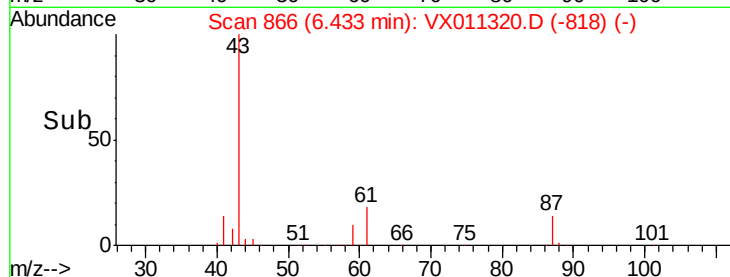
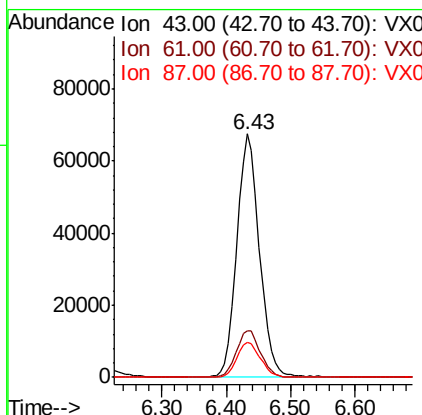
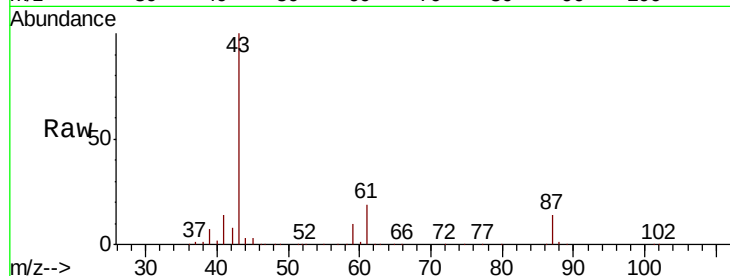
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	163570
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	14.9	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#44

Trichloroethene

Concen: 47.839 ug/l

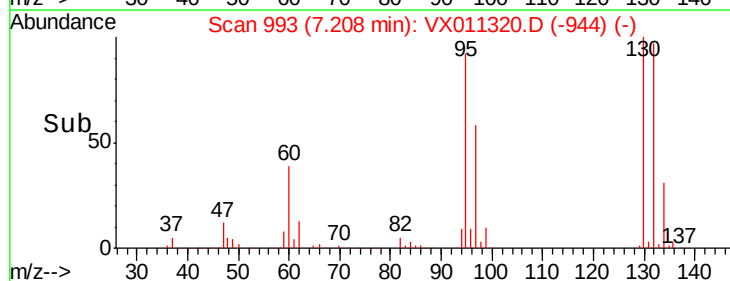
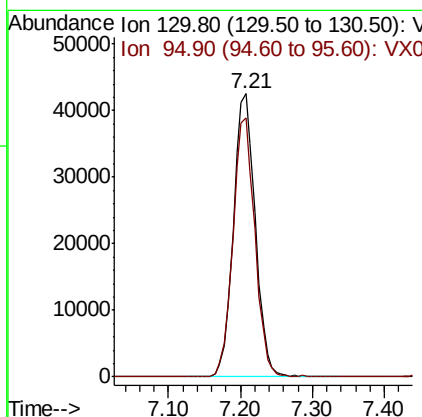
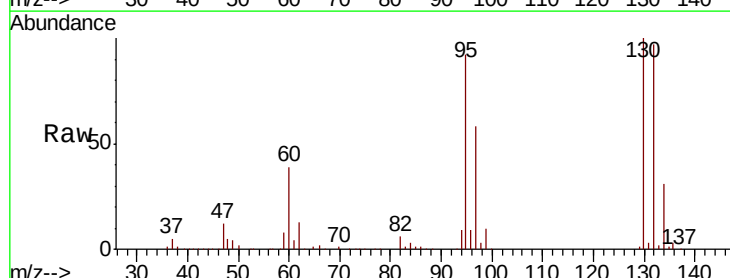
RT: 7.21 min Scan# 993

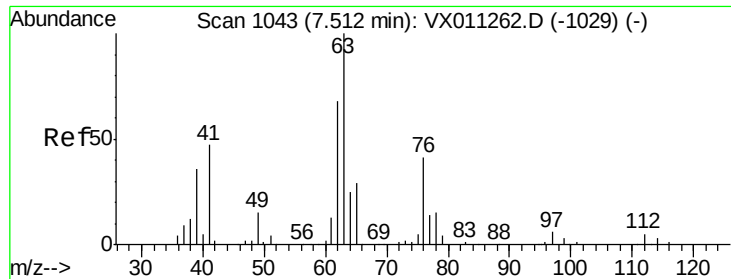
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	130	Resp:	89937
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	182.6





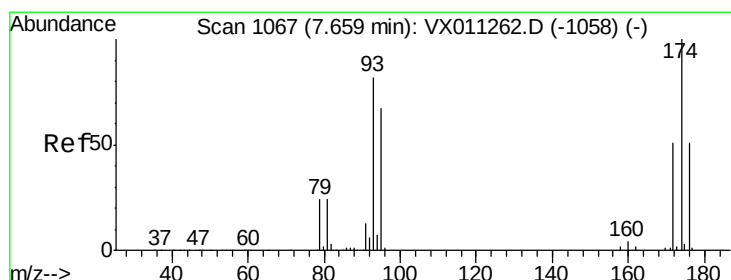
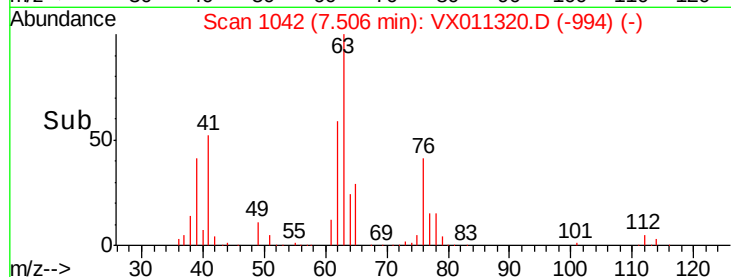
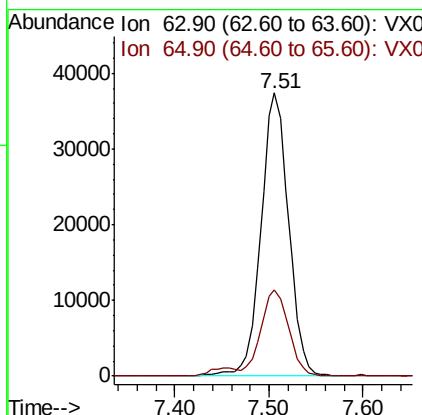
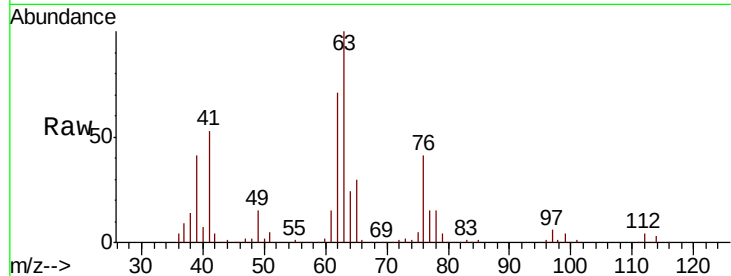
#45
 1,2-Dichloropropane
 Concen: 47.717 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 76755
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.3 34.9

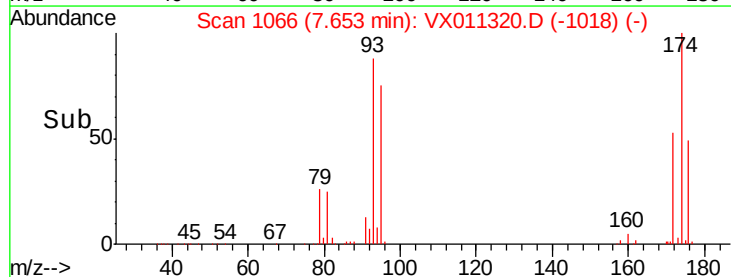
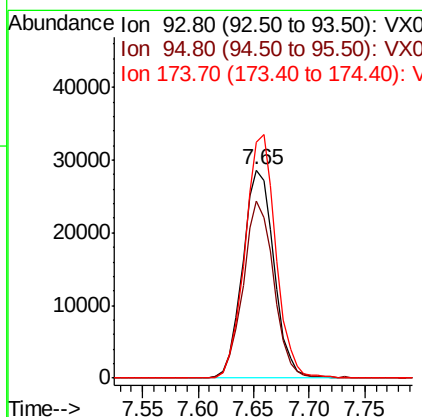
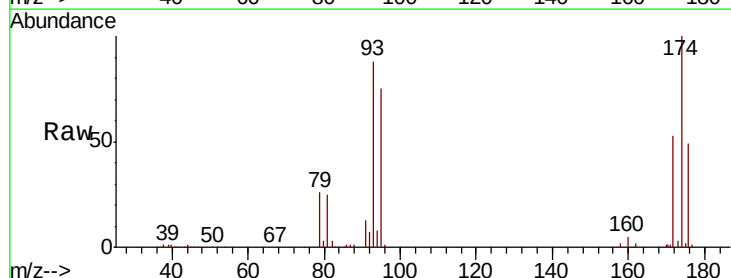
Manual Integrations
 APPROVED

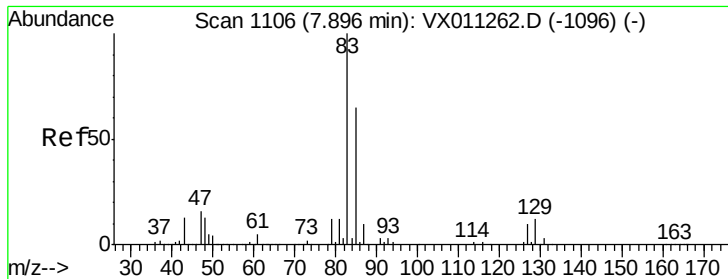
MMDadoda
 8/6/2019 4:48:33 PM



#46
 Dibromomethane
 Concen: 47.882 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion: 93 Resp: 56226
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 115.3 93.4 140.2





#47

Bromodichloromethane

Concen: 52.730 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

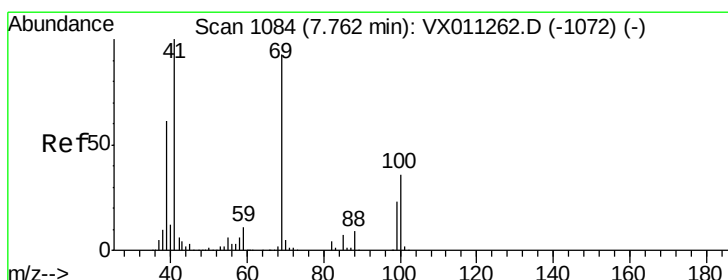
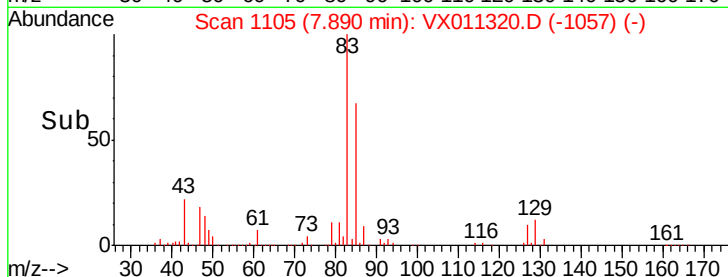
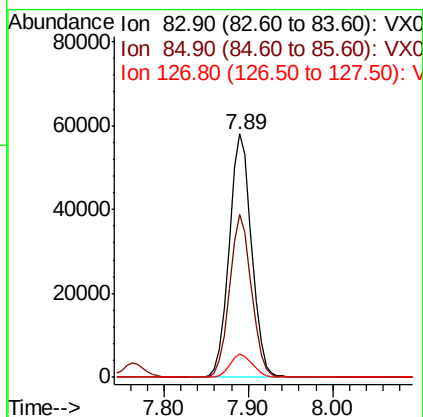
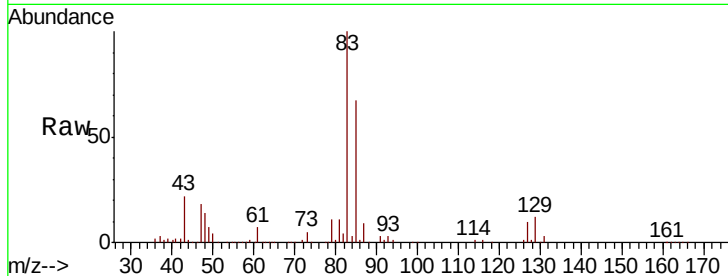
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	104835
Ion Ratio	Lower	Upper	
83	100		
85	67.1	52.2	78.2
127	9.8	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#48

Methyl methacrylate

Concen: 51.312 ug/l

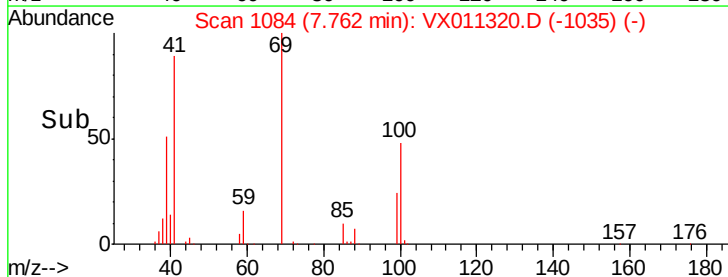
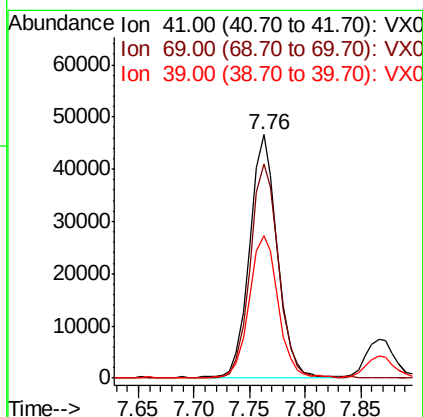
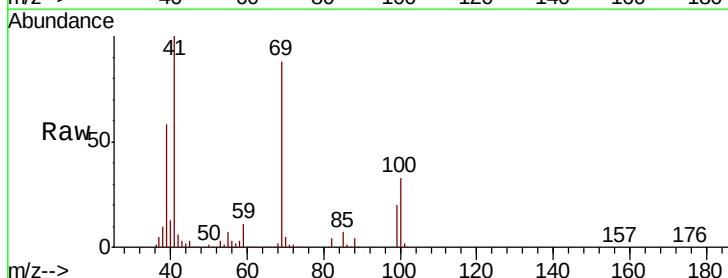
RT: 7.76 min Scan# 1084

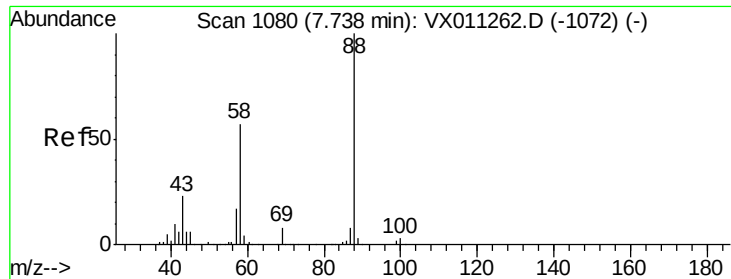
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	41	Resp:	80604
Ion Ratio	Lower	Upper	
41	100		
69	90.3	74.5	111.7
39	60.7	48.6	72.8





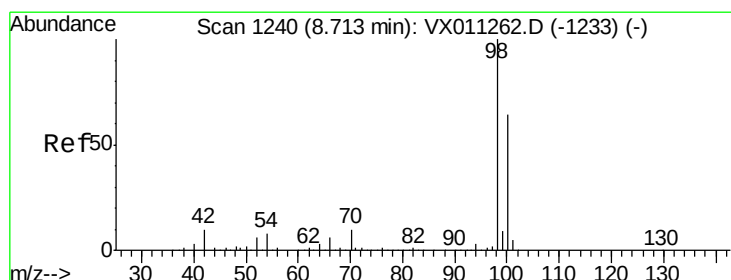
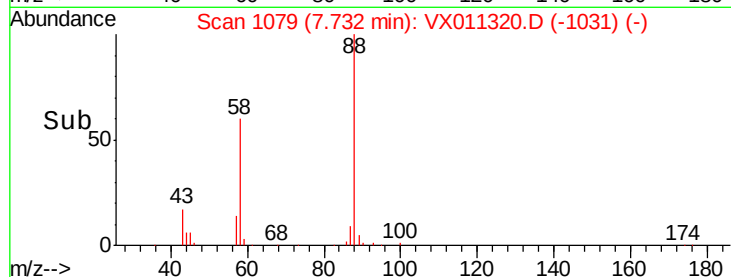
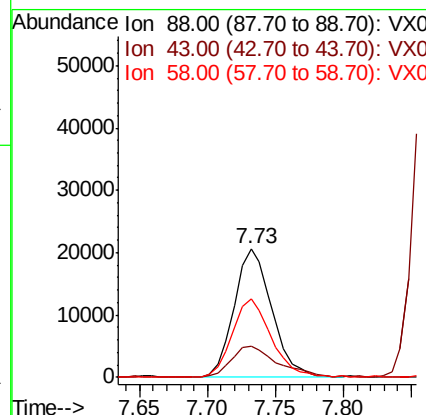
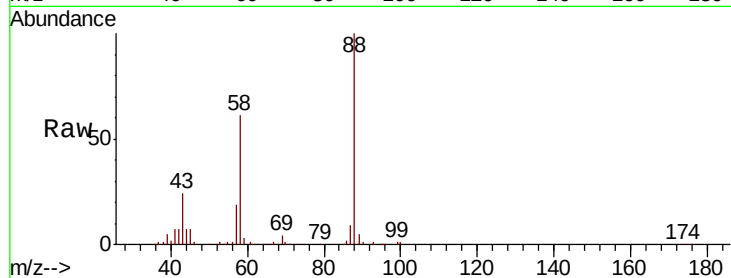
#49
1,4-Dioxane
Concen: 875.347 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.2	33.2
58	63.5	47.8	71.8

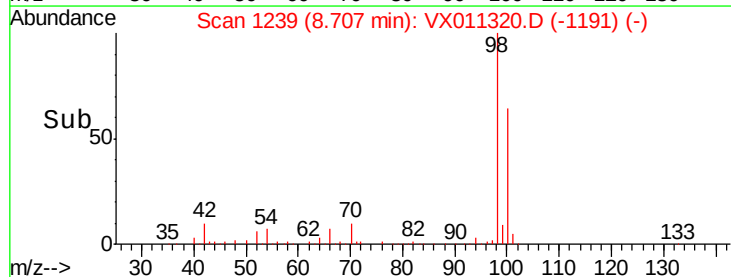
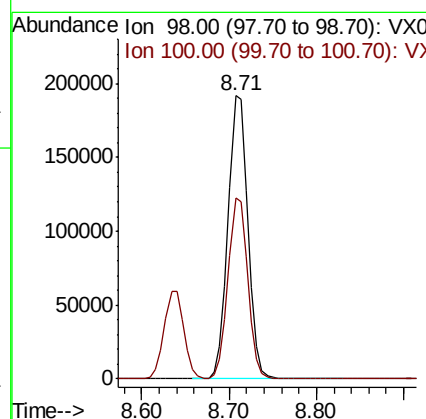
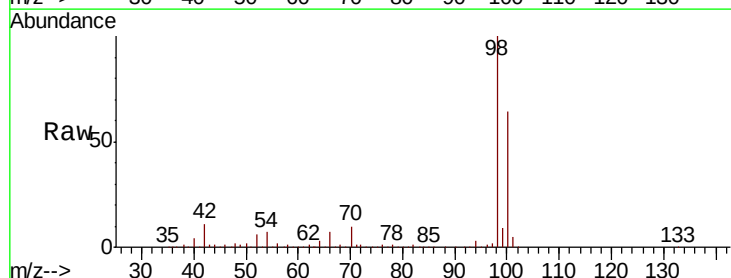
Manual Integrations
APPROVED

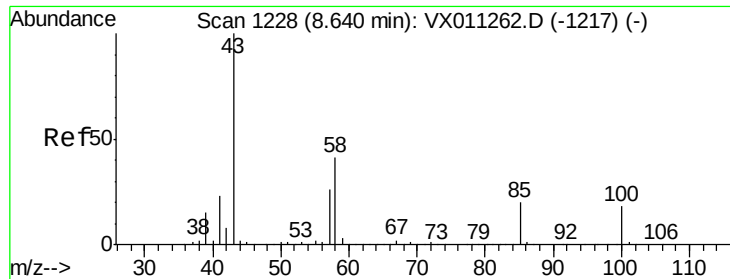
MMDadoda
8/6/2019 4:48:33 PM



#50
Toluene-d8
Concen: 51.222 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 252.004 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 542857

Ion Ratio Lower Upper

43 100

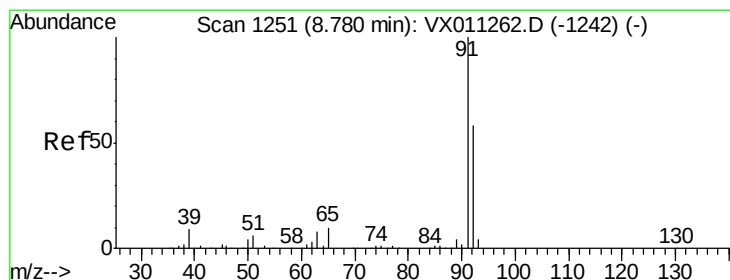
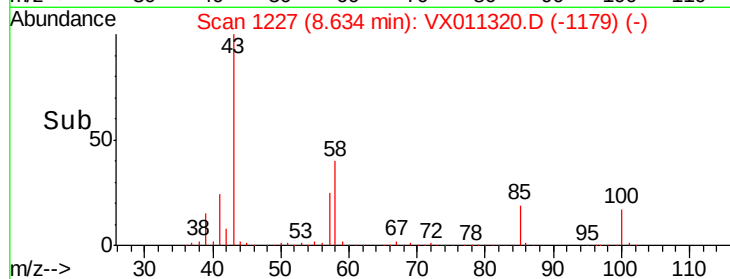
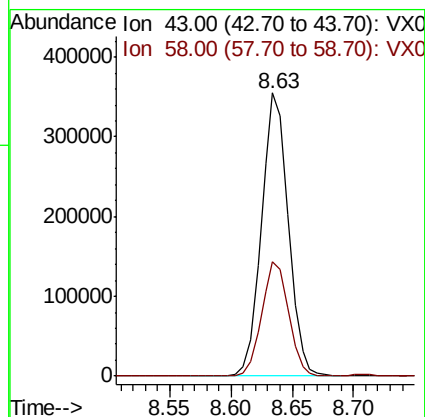
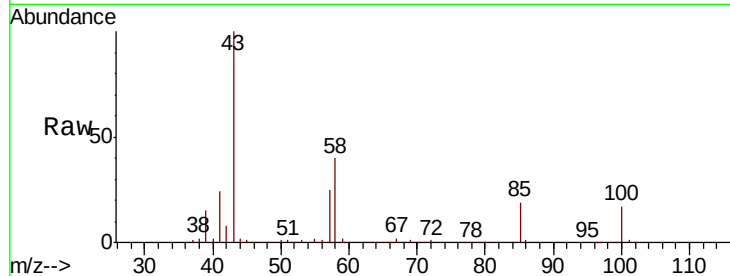
58 40.5 32.3 48.5

Manual Integrations

APPROVED

MMDadoda

8/6/2019 4:48:33 PM



#52

Toluene

Concen: 50.181 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011320.D

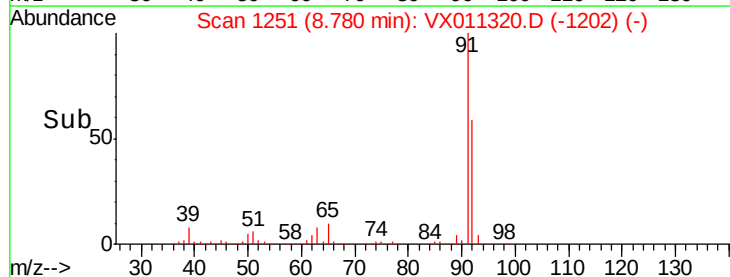
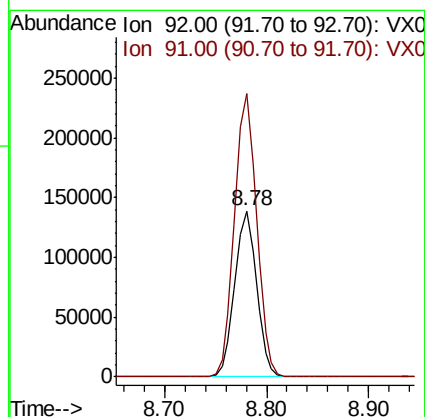
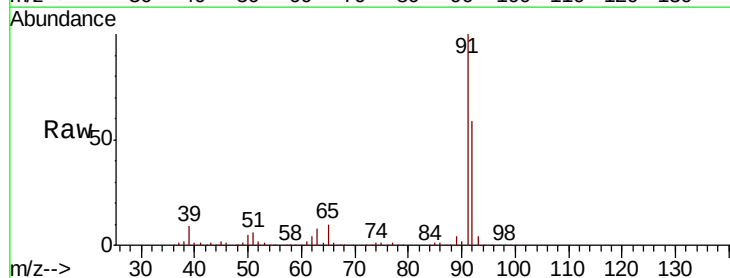
Acq: 05 Aug 2019 10:21

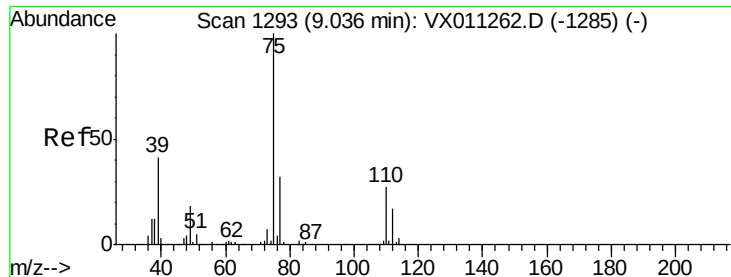
Tgt Ion: 92 Resp: 206073

Ion Ratio Lower Upper

92 100

91 172.8 139.4 209.0





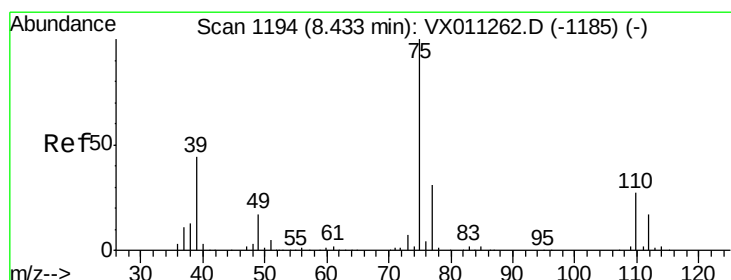
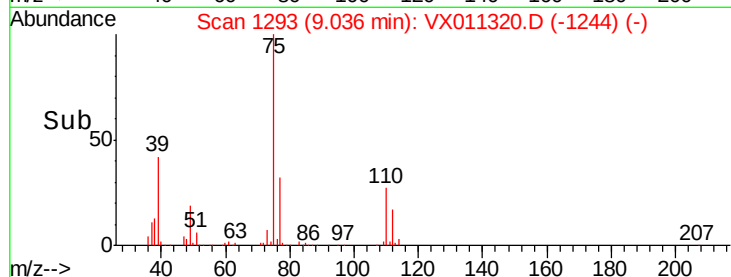
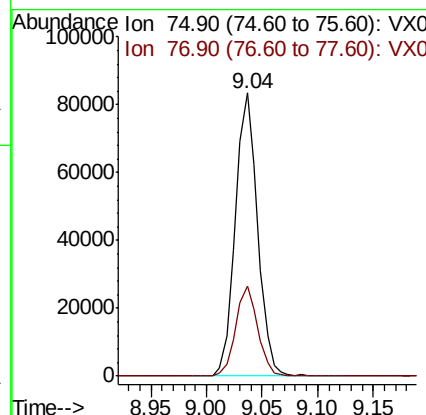
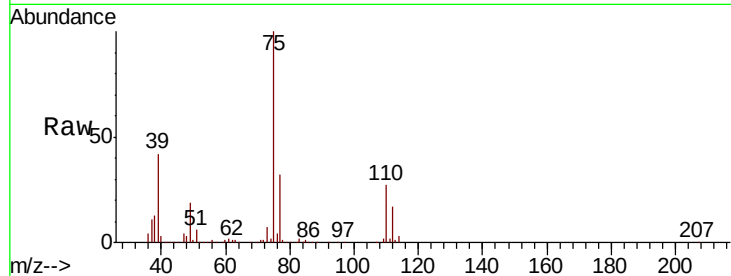
#53
t-1,3-Dichloropropene
Concen: 50.001 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

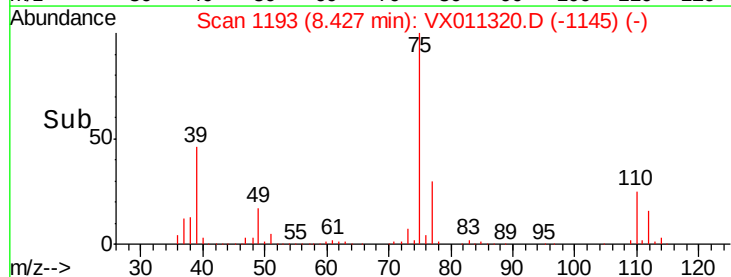
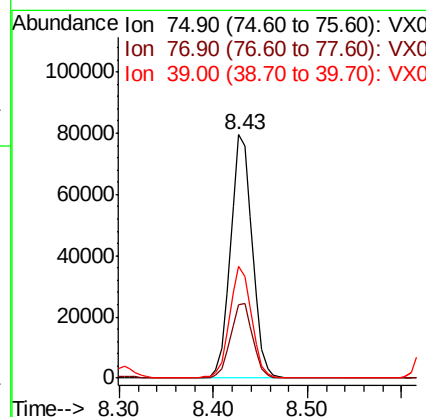
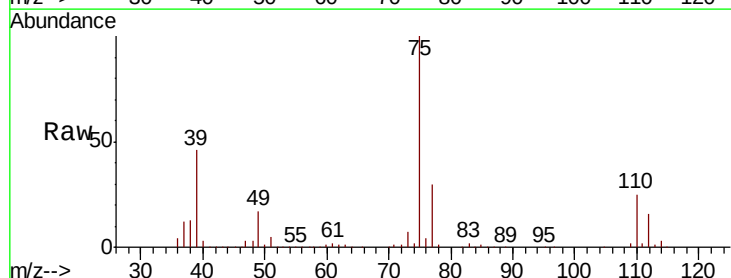
Manual Integrations
APPROVED

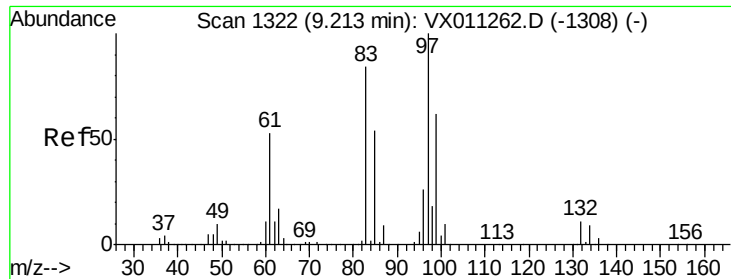
MMDadoda
8/6/2019 4:48:33 PM



#54
cis-1,3-Dichloropropene
Concen: 54.638 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.6
39	46.0	35.3	52.9





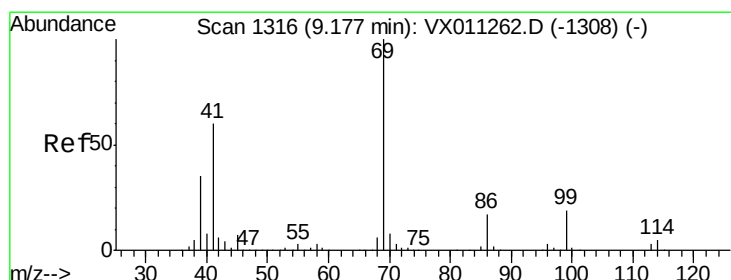
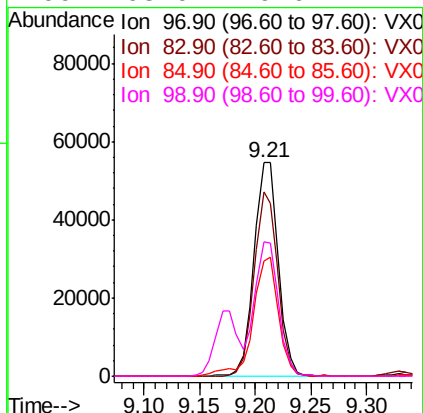
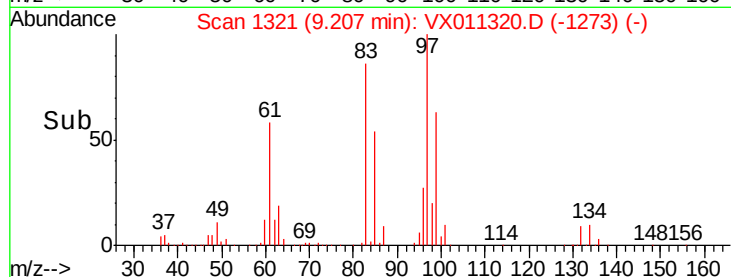
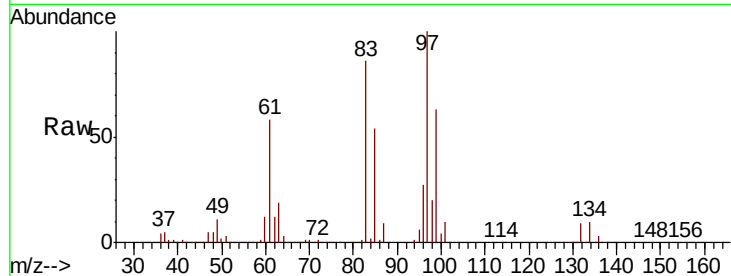
#55
 1,1,2-Trichloroethane
 Concen: 49.533 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	83634
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.6	101.4
85	53.9	43.4	65.0
99	63.0	49.6	74.4

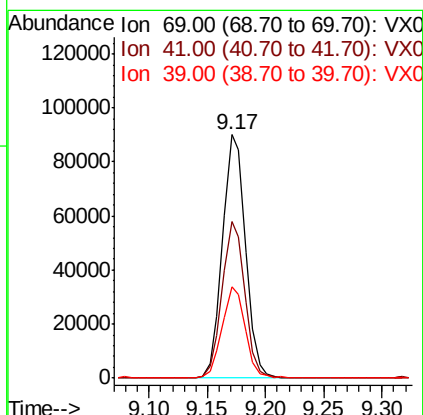
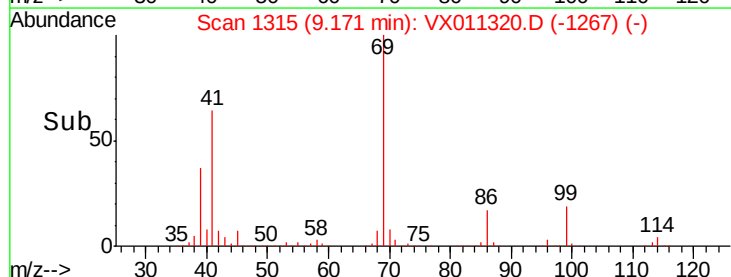
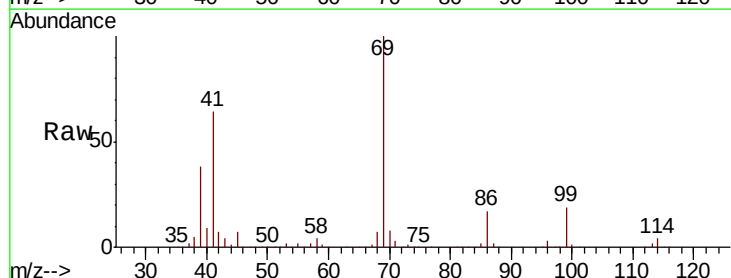
Manual Integrations
 APPROVED

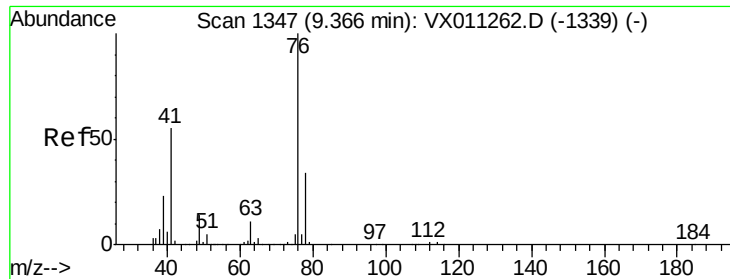
MMDadoda
 8/6/2019 4:48:33 PM



#56
 Ethyl methacrylate
 Concen: 51.455 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion:	69	Resp:	123807
Ion	Ratio	Lower	Upper
69	100		
41	62.8	48.6	73.0
39	36.9	29.4	44.2





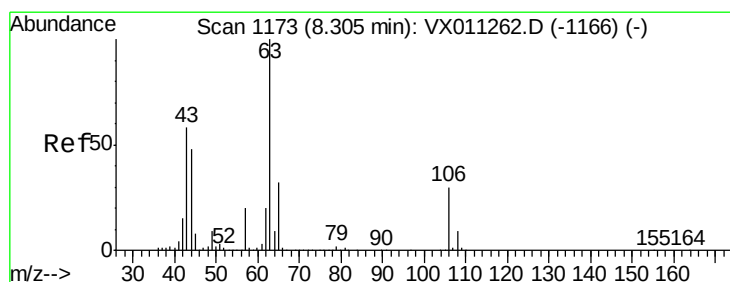
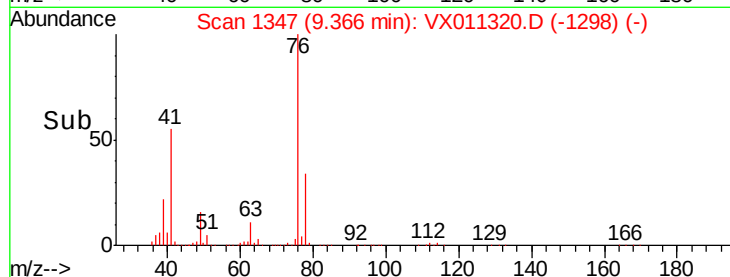
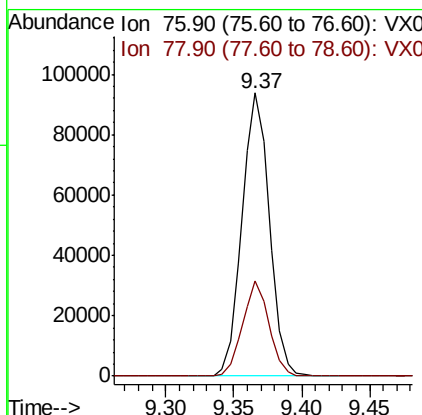
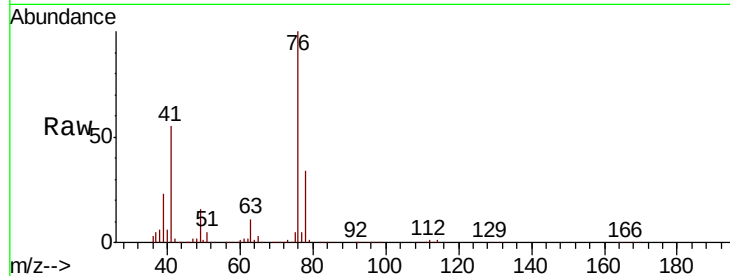
#57
 1,3-Dichloropropane
 Concen: 49.513 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.6	40.0

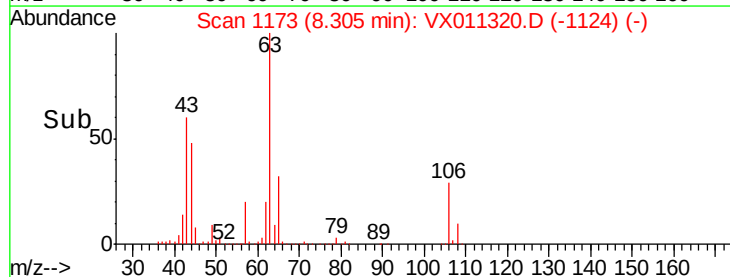
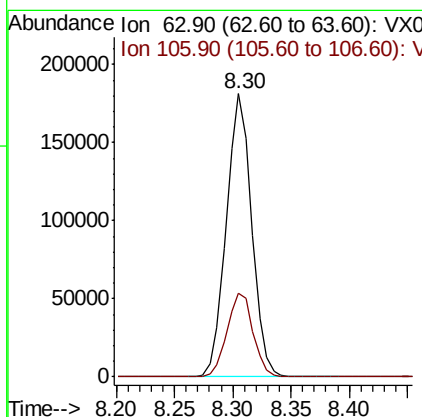
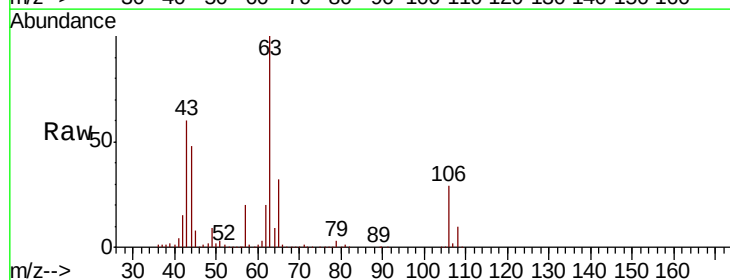
Manual Integrations
 APPROVED

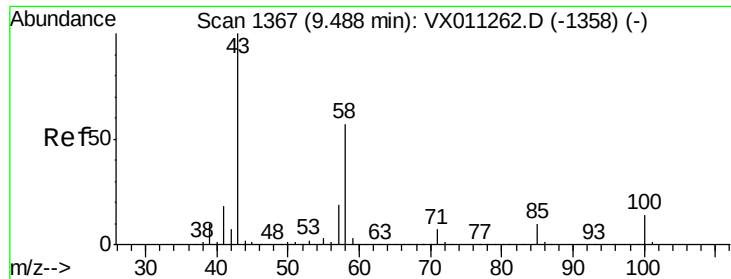
MMDadoda
 8/6/2019 4:48:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.620 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.4	36.6





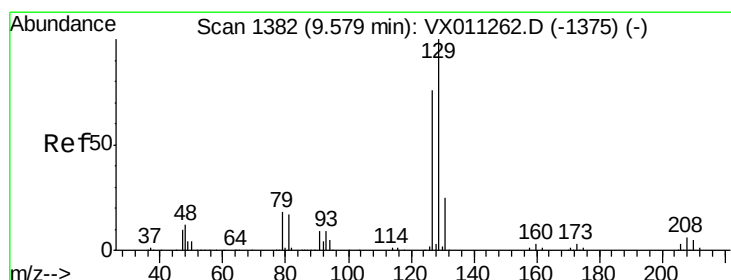
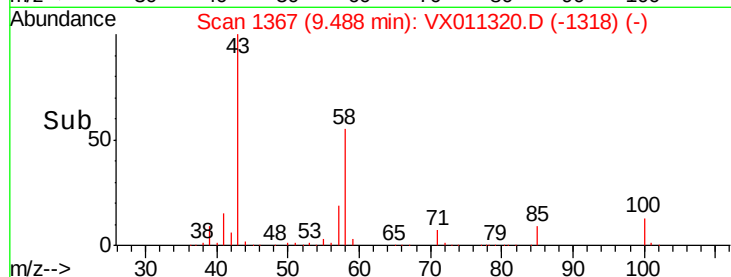
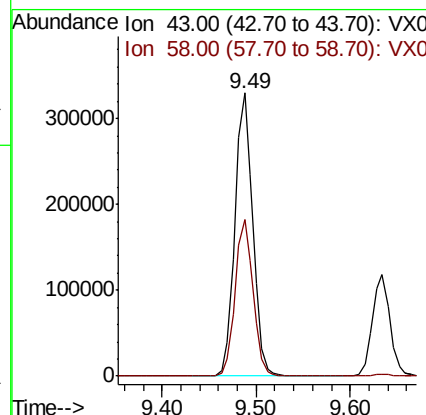
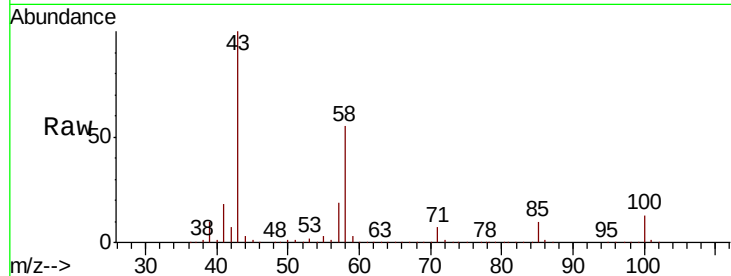
#59
2-Hexanone
Concen: 258.994 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.2	84.6

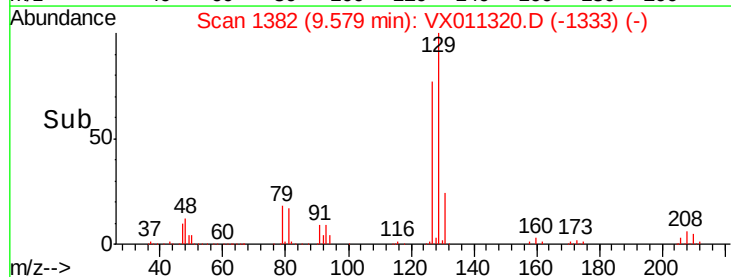
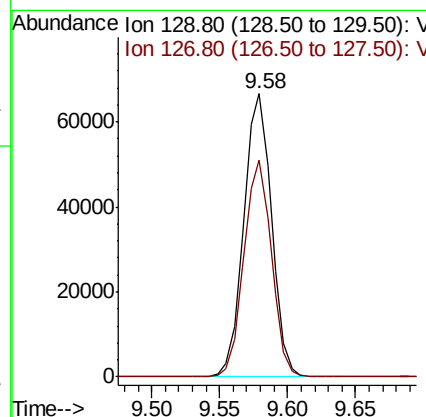
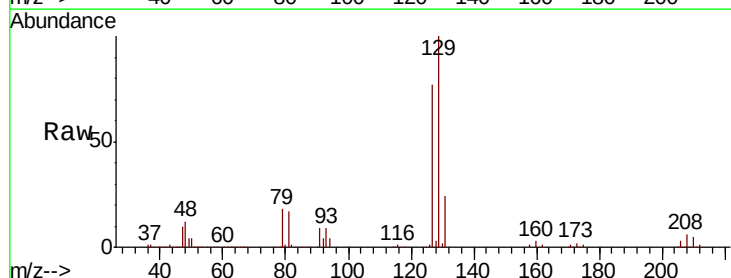
Manual Integrations
APPROVED

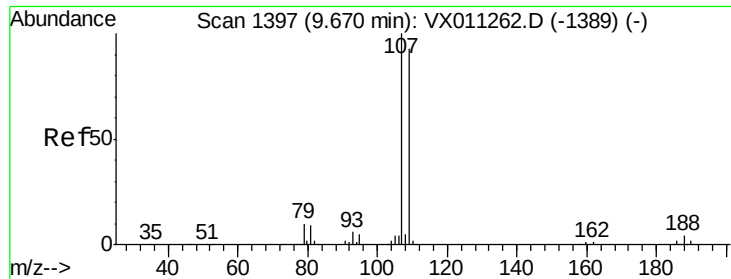
MMDadoda
8/6/2019 4:48:33 PM



#60
Dibromochloromethane
Concen: 54.976 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.2	117.6





#61

1,2-Dibromoethane

Concen: 49.975 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 91163

Ion Ratio Lower Upper

107 100

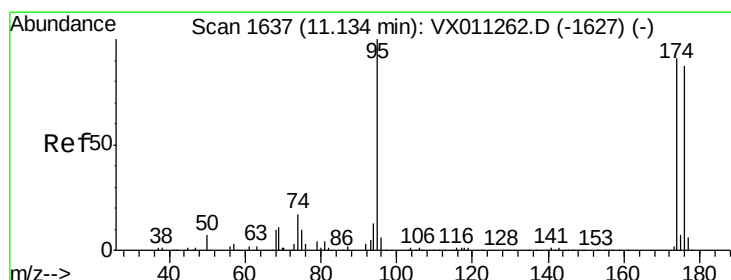
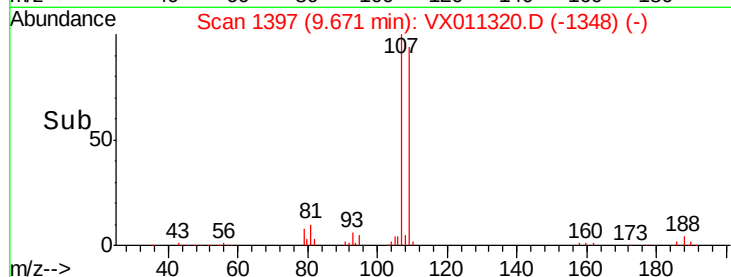
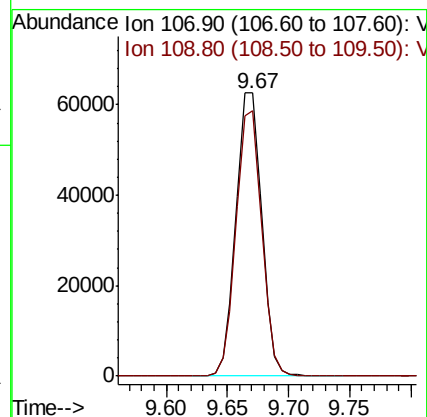
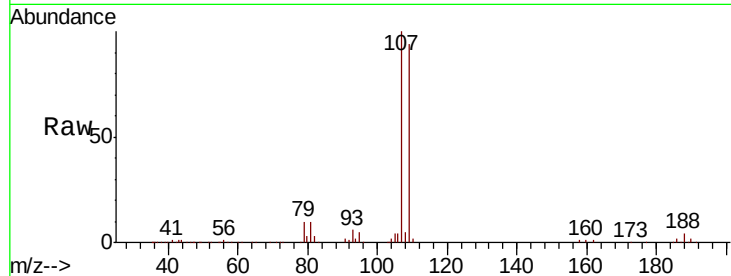
109 93.3 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

8/6/2019 4:48:33 PM



#62

4-Bromofluorobenzene

Concen: 52.943 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

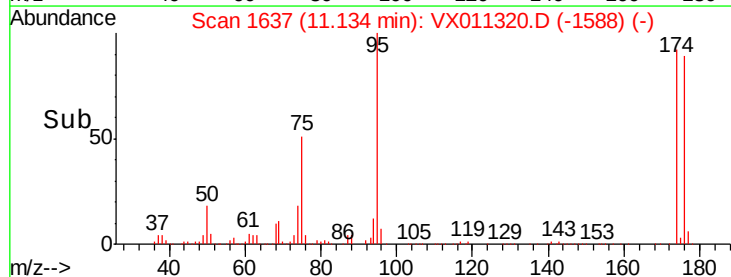
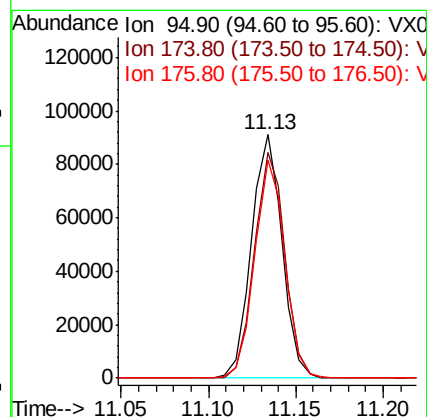
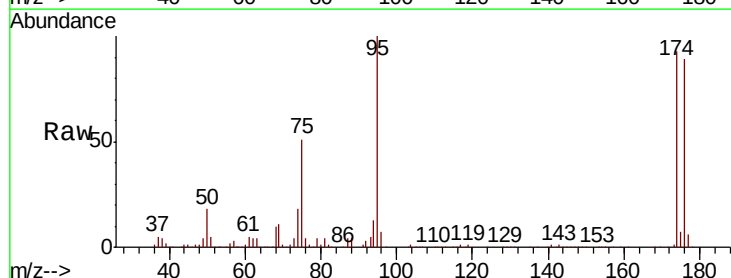
Tgt Ion: 95 Resp: 111051

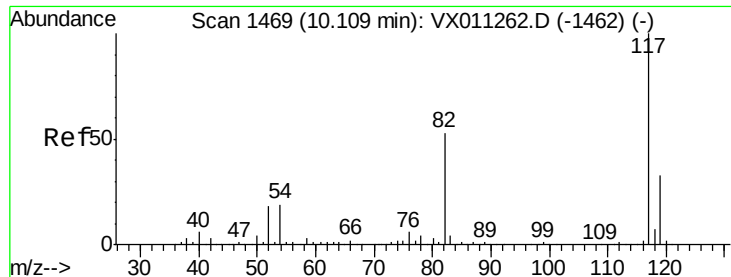
Ion Ratio Lower Upper

95 100

174 92.9 0.0 191.2

176 88.6 0.0 184.8





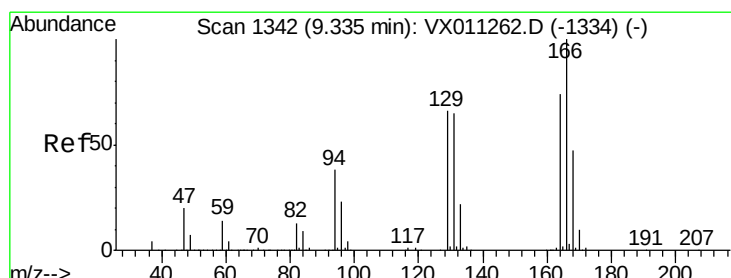
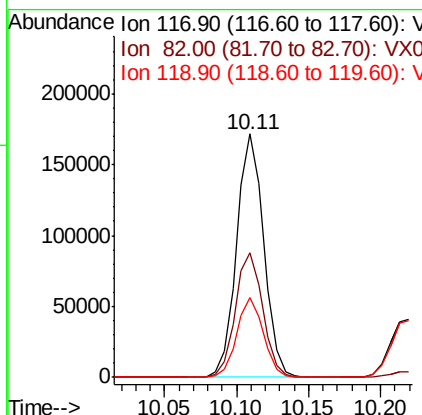
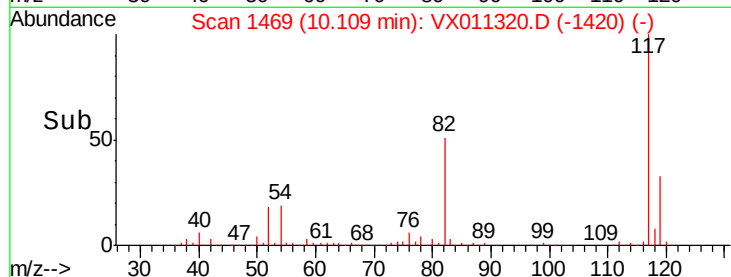
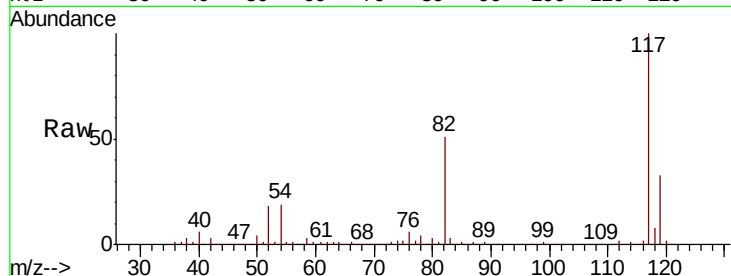
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.2	63.2
119	32.7	26.6	39.8

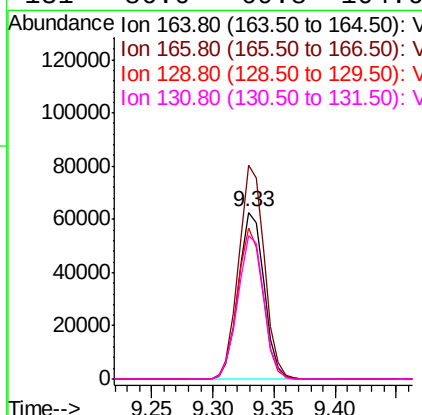
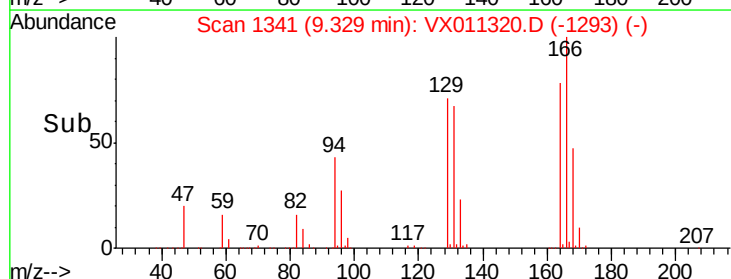
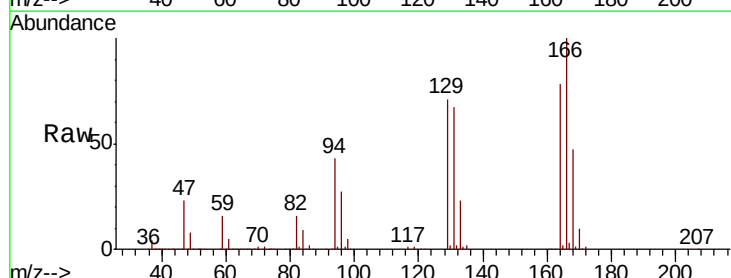
Manual Integrations
APPROVED

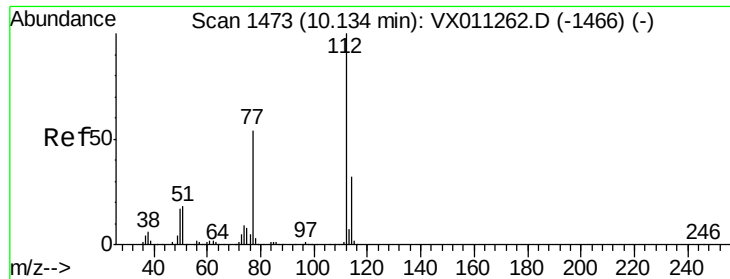
MMDadoda
8/6/2019 4:48:33 PM



#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	107.5	161.3
129	90.5	71.0	106.4
131	86.0	69.8	104.6





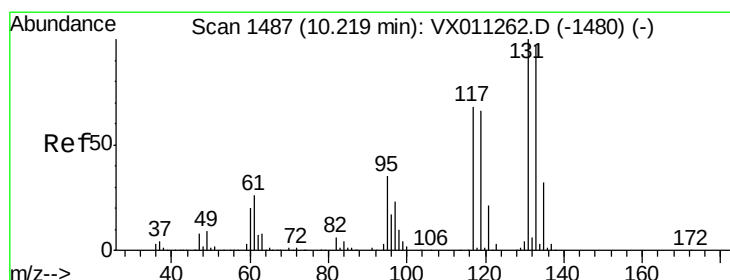
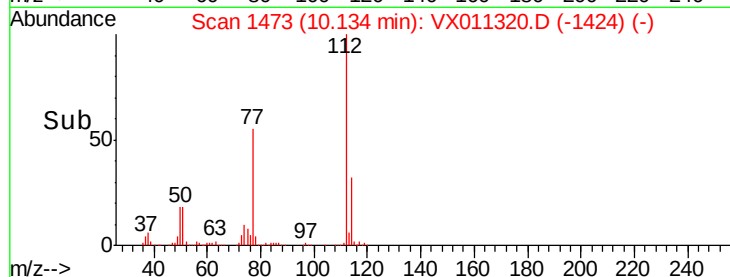
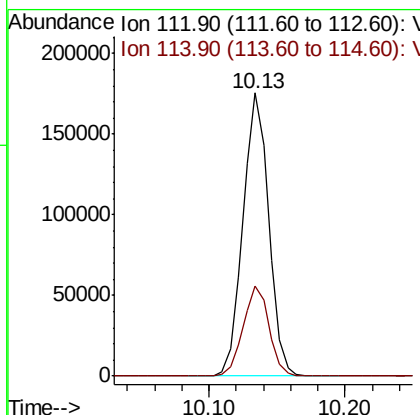
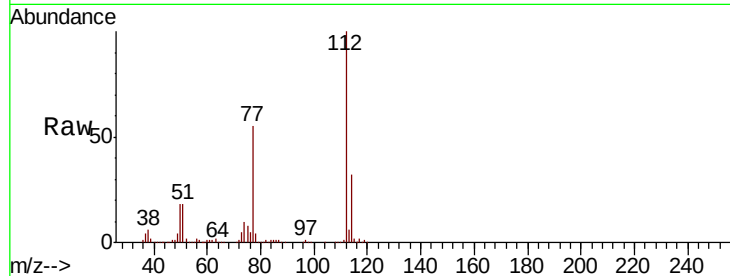
#65
Chlorobenzene
Concen: 47.992 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9

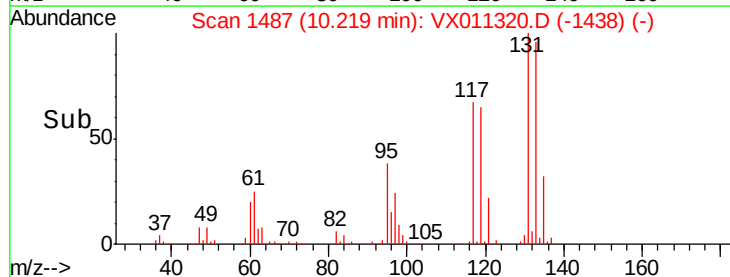
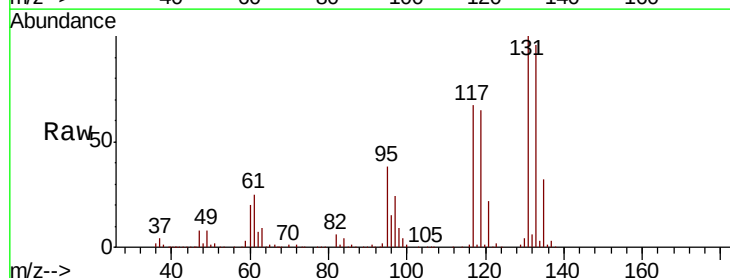
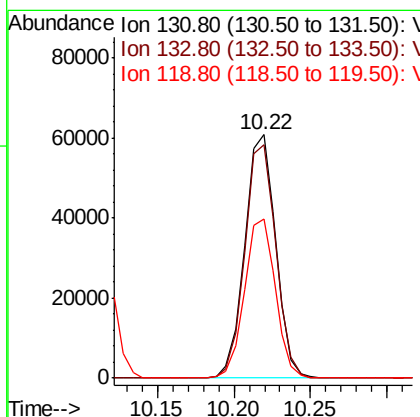
Manual Integrations
APPROVED

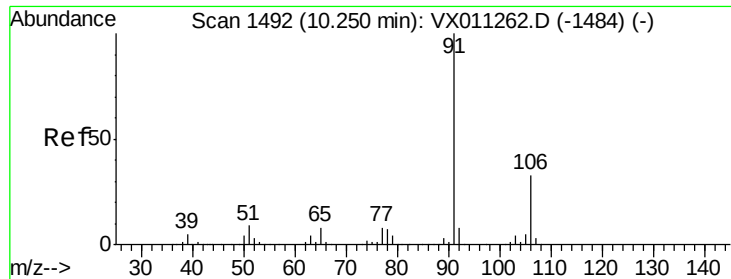
MMDadoda
8/6/2019 4:48:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.624 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.7	143.1
119	65.3	32.8	98.3





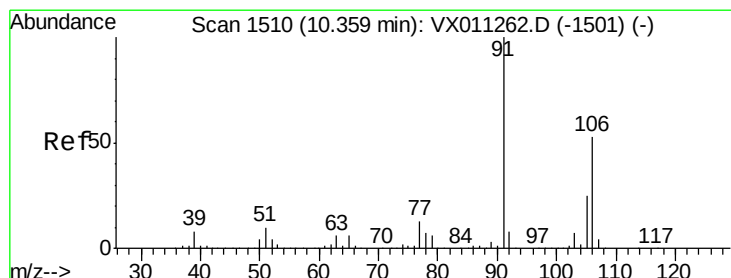
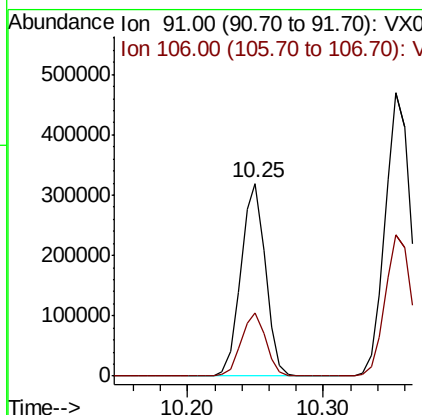
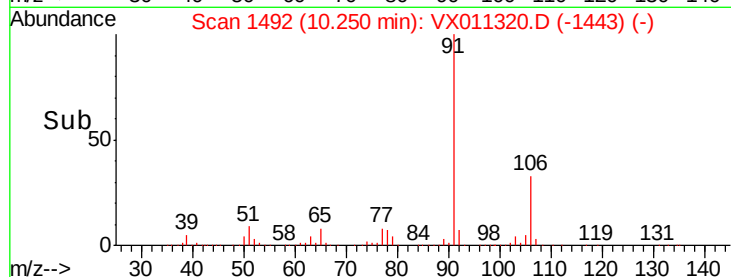
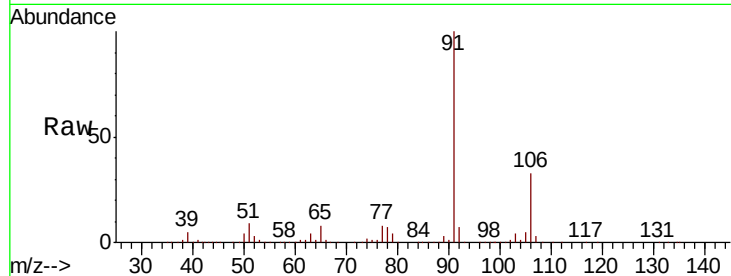
#67
Ethyl Benzene
Concen: 49.606 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 401259
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.4

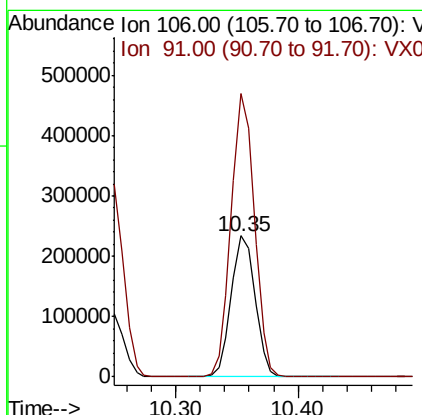
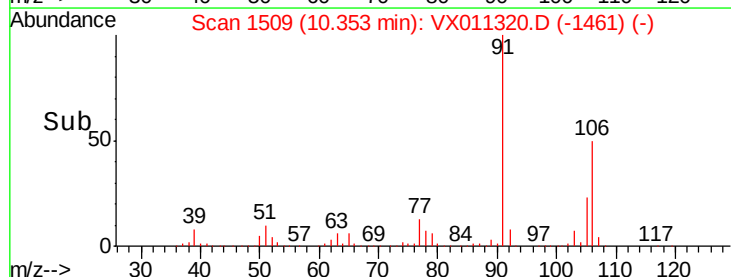
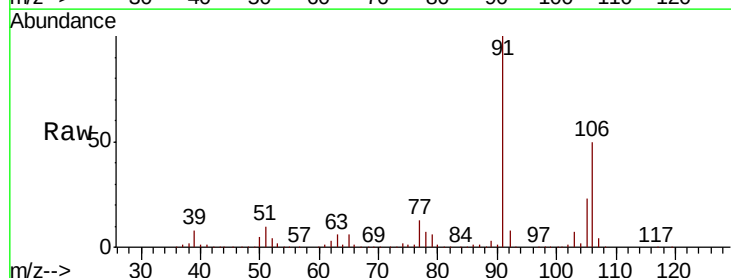
Manual Integrations
APPROVED

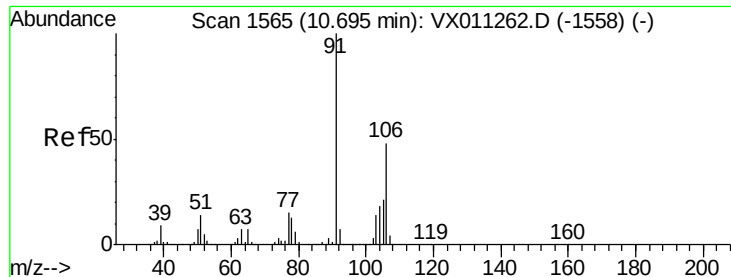
MMDadoda
8/6/2019 4:48:33 PM



#68
m/p-Xylenes
Concen: 101.014 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion: 106 Resp: 316054
Ion Ratio Lower Upper
106 100
91 196.7 155.9 233.9





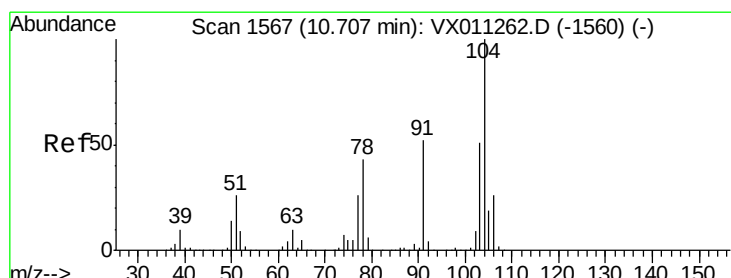
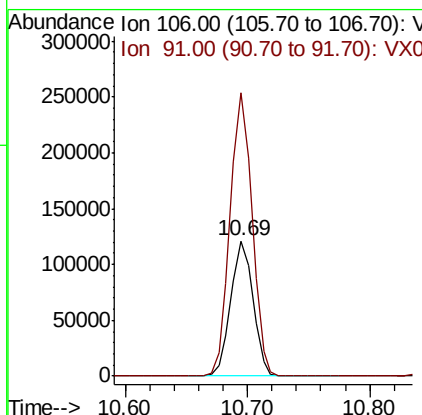
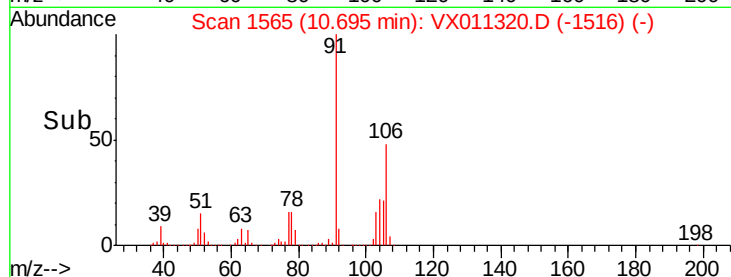
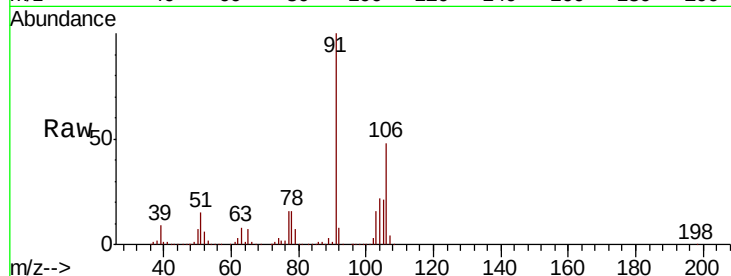
#69
o-Xylene
Concen: 49.459 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		152047		
91	207.9	103.8	311.3		

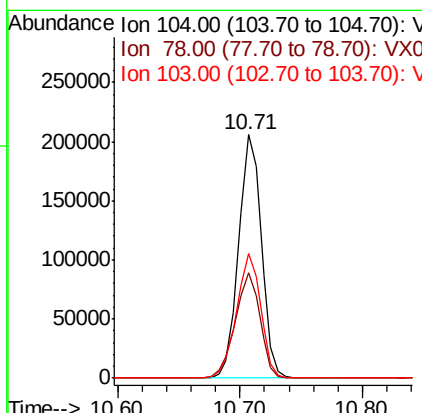
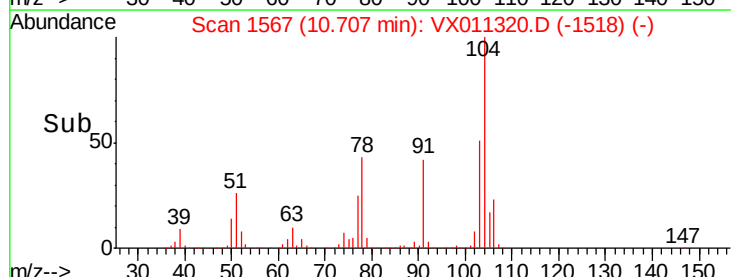
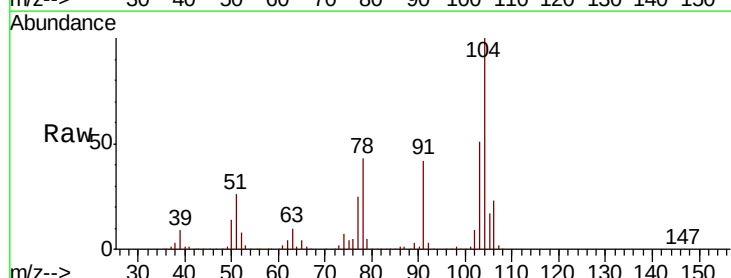
Manual Integrations
APPROVED

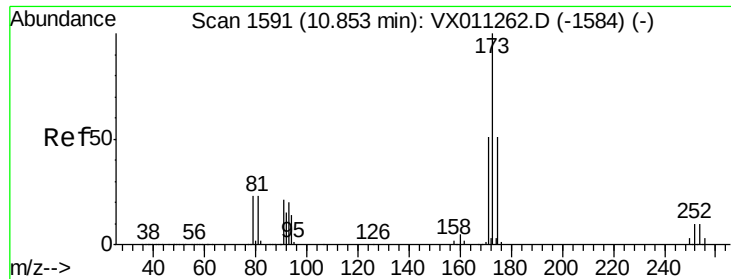
MMDadoda
8/6/2019 4:48:33 PM



#70
Styrene
Concen: 51.875 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		263870		
78	47.2	36.9	55.3		
103	54.8	44.4	66.6		





#71

Bromoform

Concen: 49.472 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 73098

Ion Ratio Lower Upper

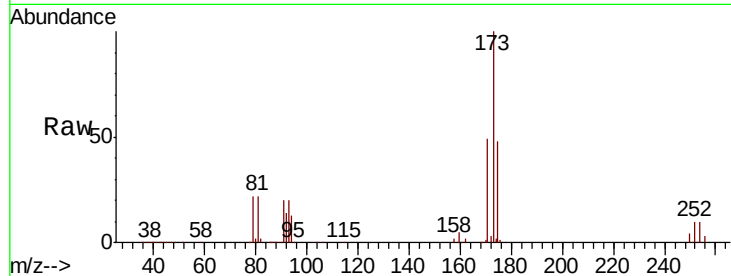
173 100

175 48.0 24.4 73.4

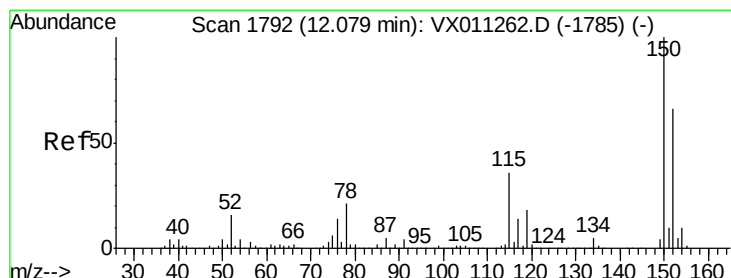
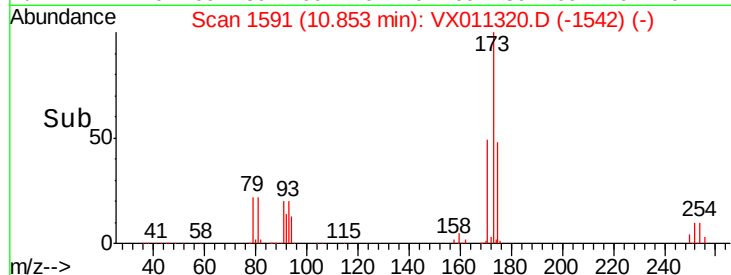
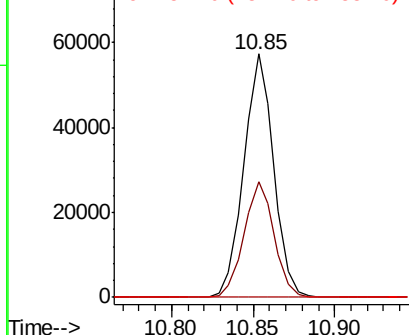
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

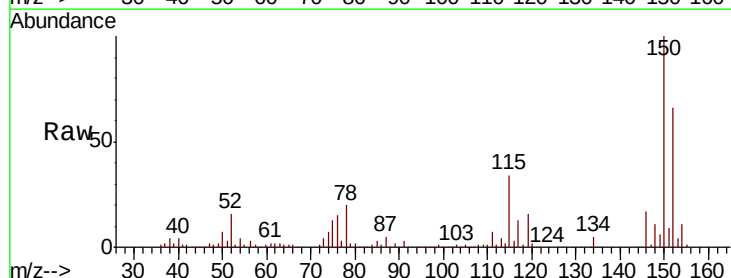
Tgt Ion:152 Resp: 125593

Ion Ratio Lower Upper

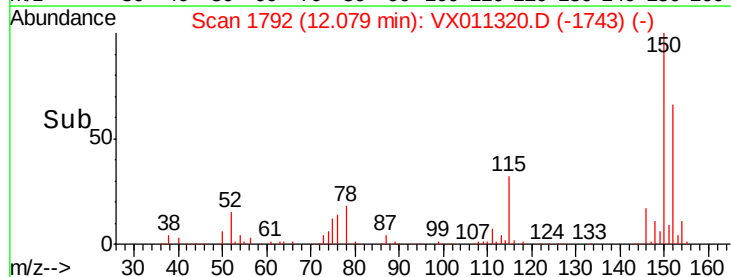
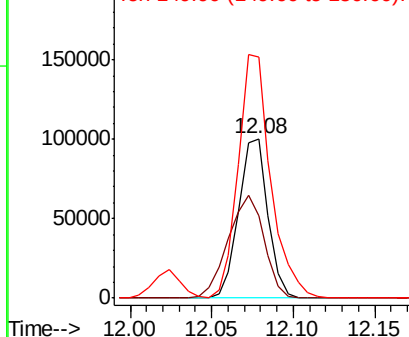
152 100

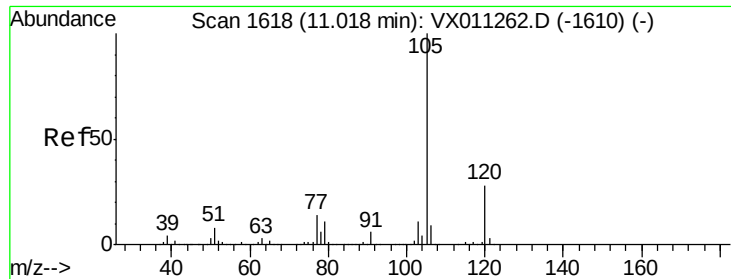
115 79.6 40.0 119.9

150 170.5 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.416 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 415880

Ion Ratio Lower Upper

105 100

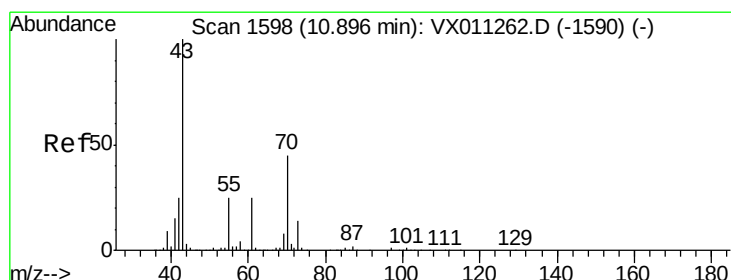
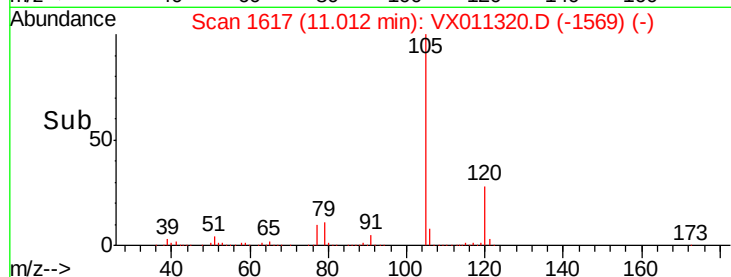
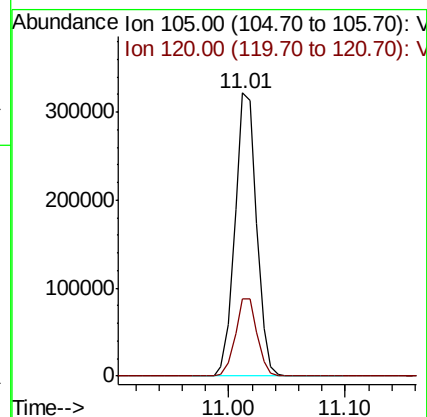
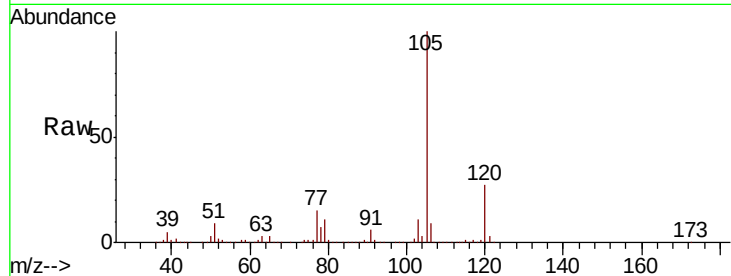
120 27.6 13.7 41.1

Manual Integrations

APPROVED

MMDadoda

8/6/2019 4:48:33 PM



#74

N-ethyl acetate

Concen: 50.667 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion: 43 Resp: 157257

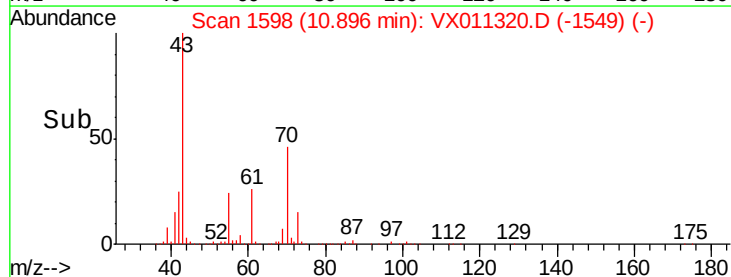
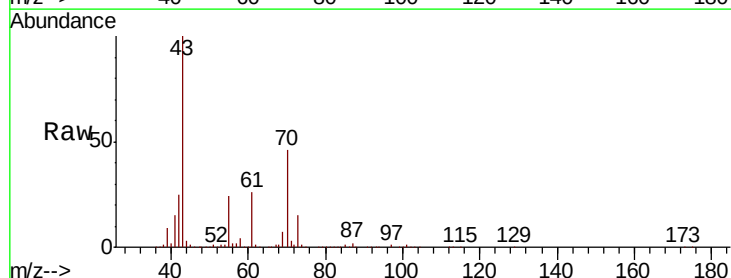
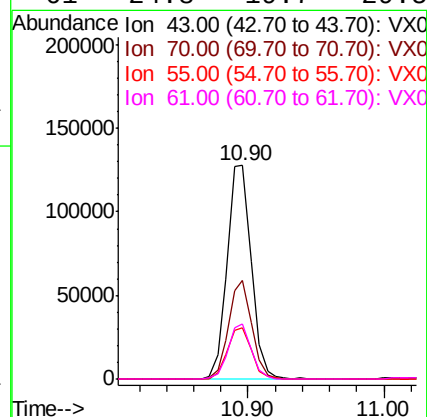
Ion Ratio Lower Upper

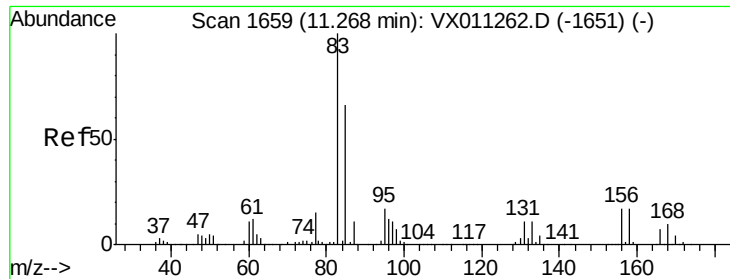
43 100

70 44.2 35.9 53.9

55 24.4 19.8 29.6

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.771 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

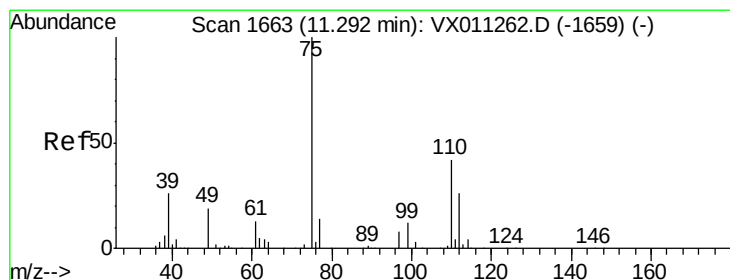
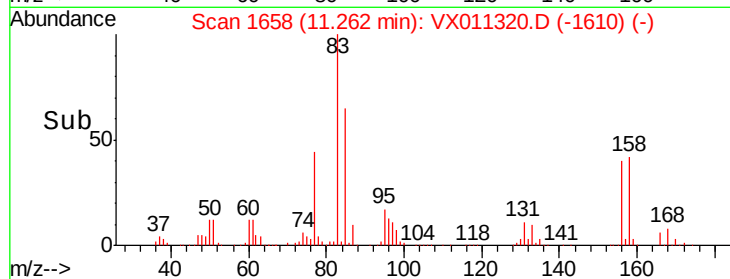
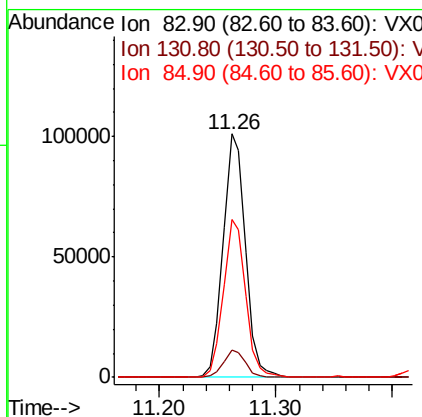
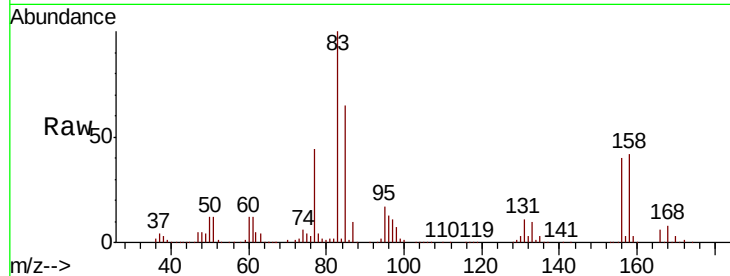
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	133881
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.6	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#76

1,2,3-Trichloropropane

Concen: 49.584 ug/l m

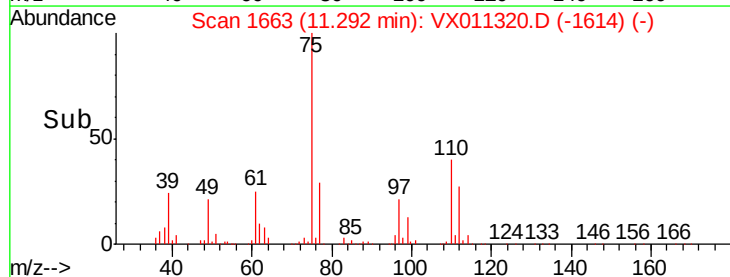
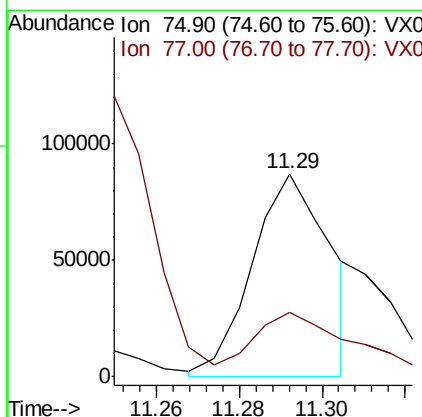
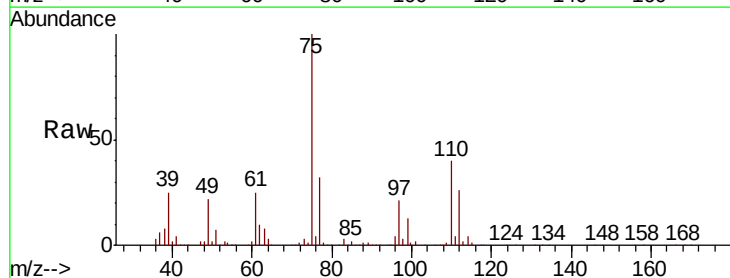
RT: 11.29 min Scan# 1663

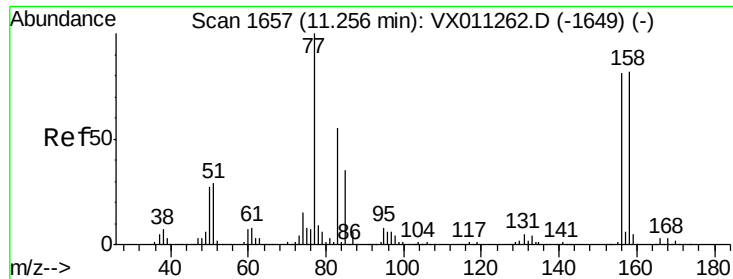
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	75	Resp:	113409
Ion Ratio	Lower	Upper	
75	100		
77	41.4	21.1	63.4





#77

Bromobenzene

Concen: 46.958 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

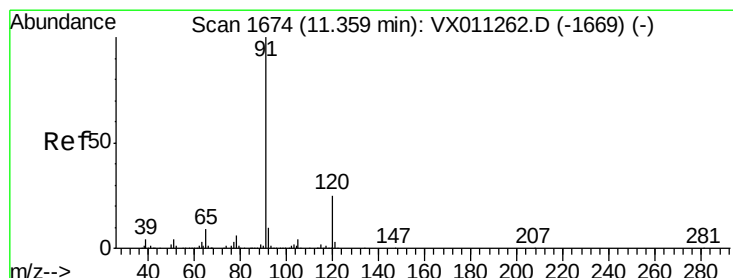
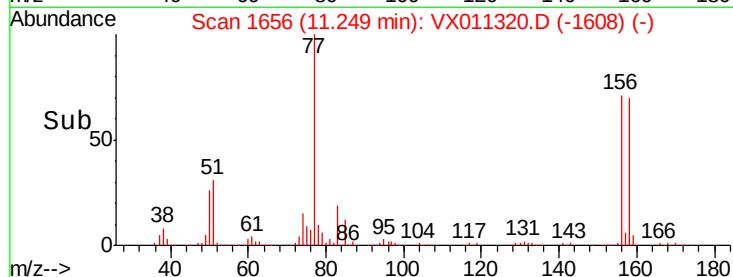
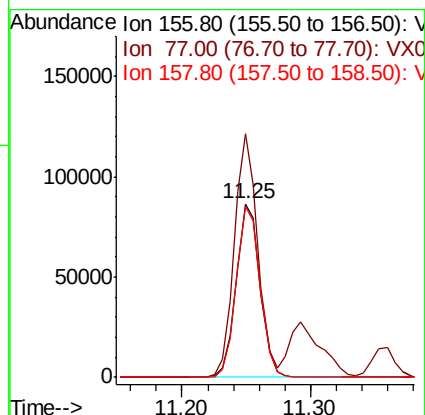
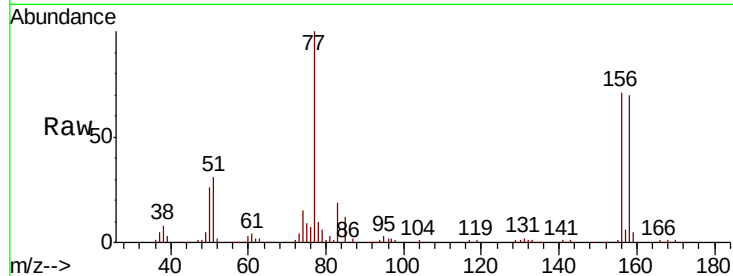
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	111847
Ion Ratio	Lower	Upper	
156	100		
77	137.7	66.2	198.6
158	98.9	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#78

n-propylbenzene

Concen: 49.390 ug/l

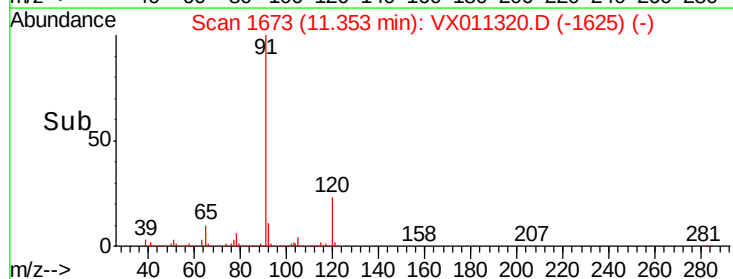
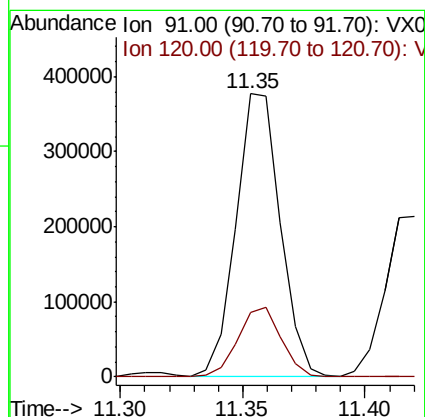
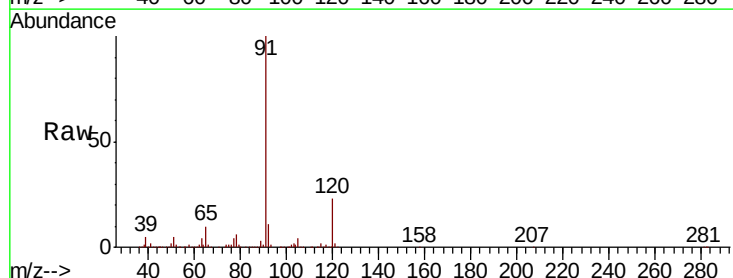
RT: 11.35 min Scan# 1673

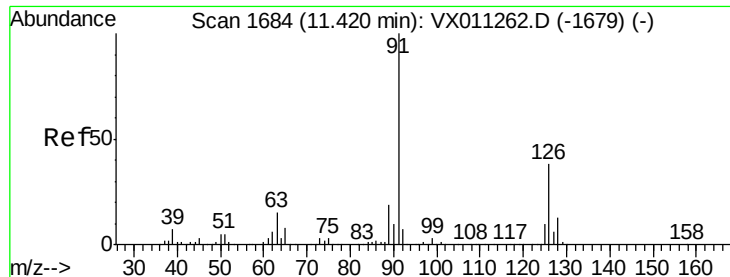
Delta R.T. -0.01 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	91	Resp:	471784
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.0





#79

2-Chlorotoluene

Concen: 48.003 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 273300

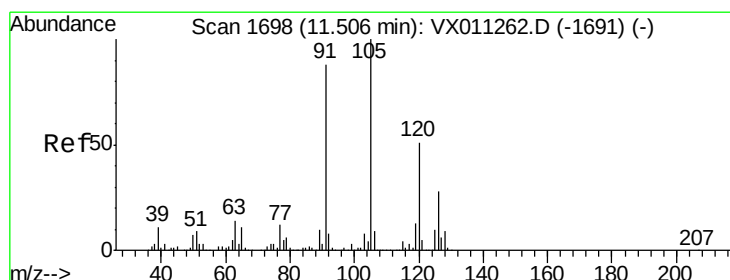
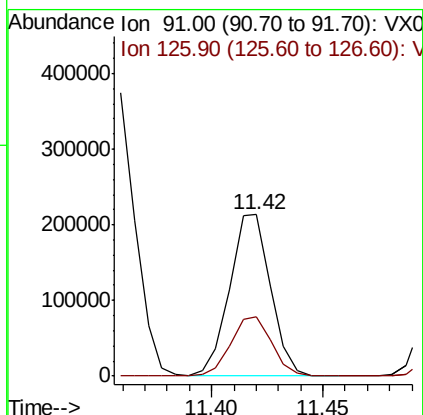
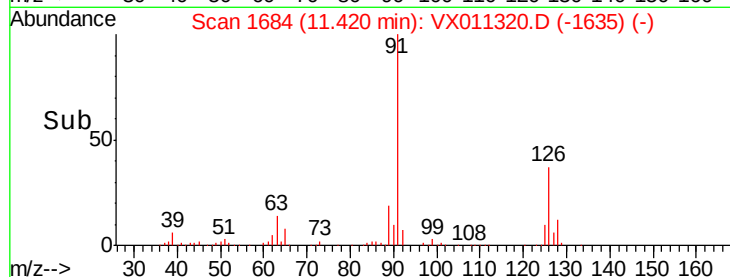
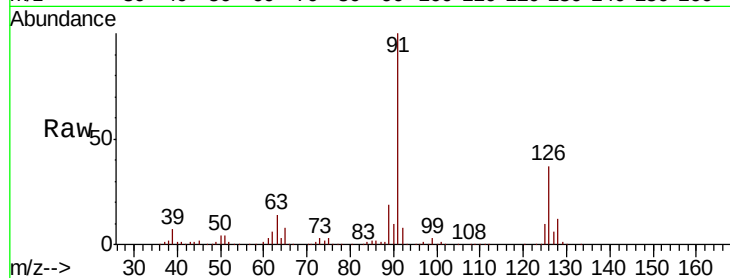
Ion Ratio Lower Upper

91 100

126 36.9 18.5 55.5

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#80

1,3,5-Trimethylbenzene

Concen: 49.098 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011320.D

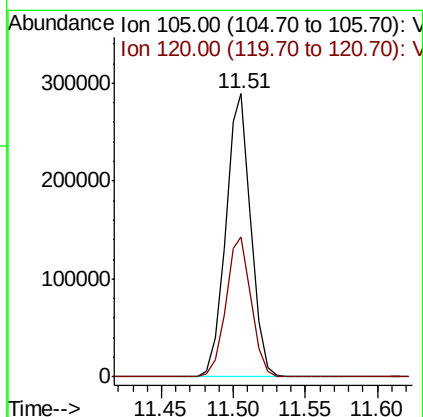
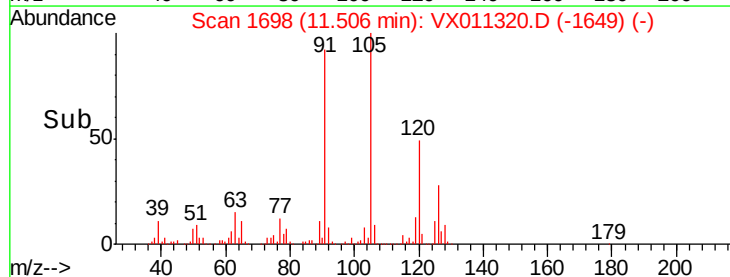
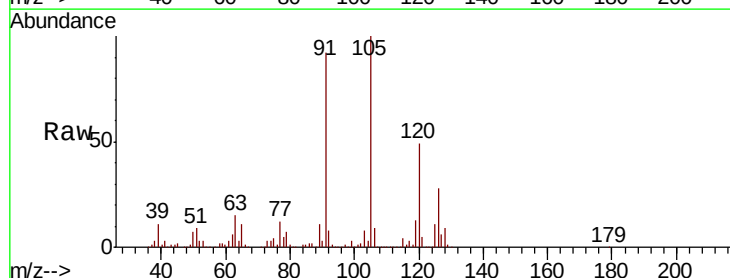
Acq: 05 Aug 2019 10:21

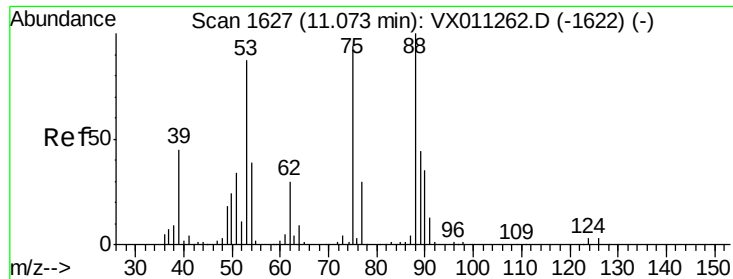
Tgt Ion: 105 Resp: 353039

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2





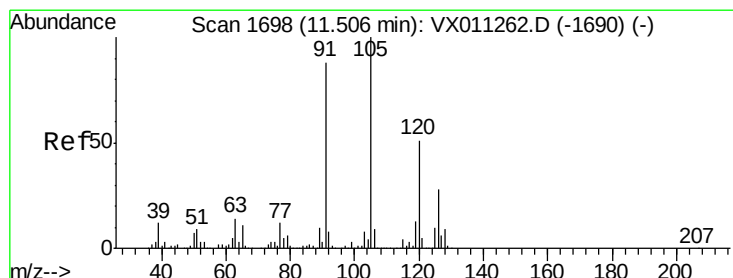
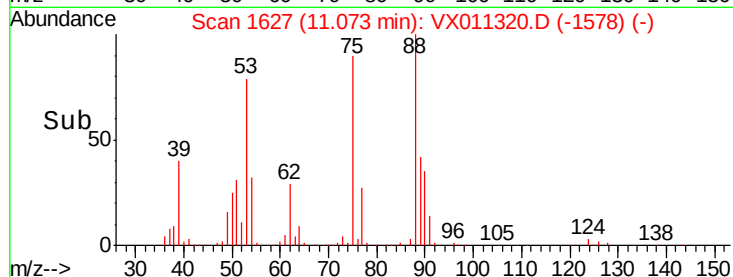
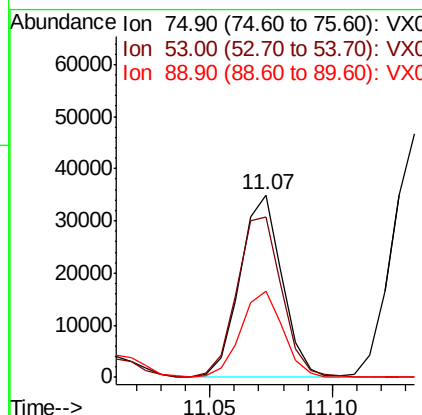
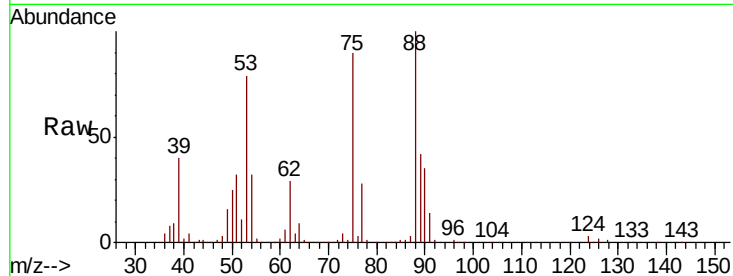
#81
trans-1,4-Dichloro-2-butene
Concen: 48.655 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	78.2	117.4
89	47.8	37.9	56.9

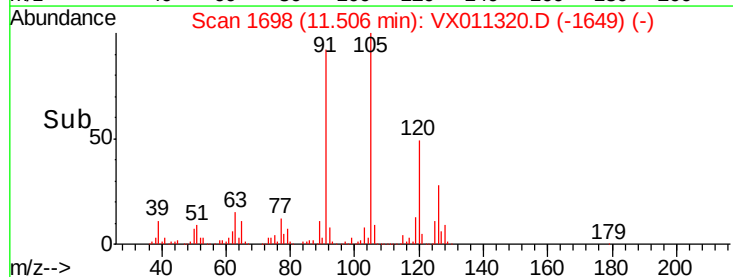
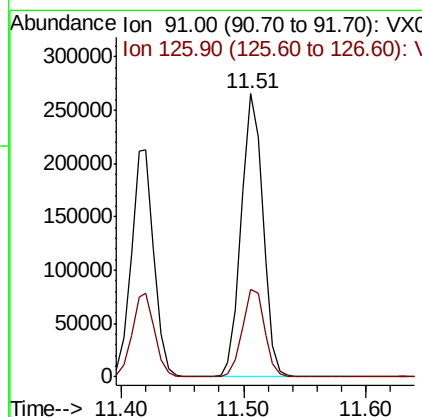
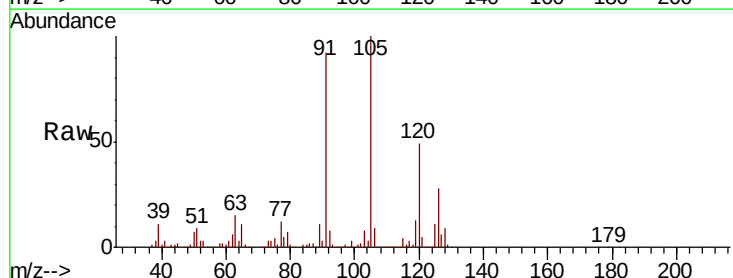
Manual Integrations
APPROVED

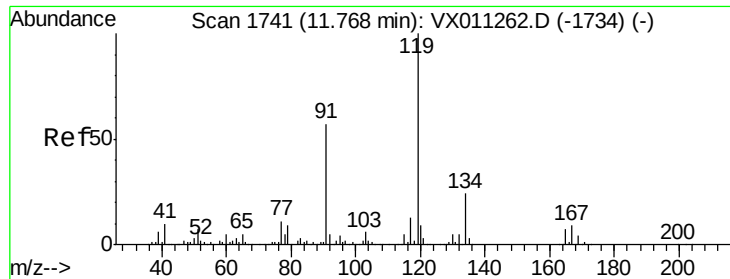
MMDadoda
8/6/2019 4:48:33 PM



#82
4-Chlorotoluene
Concen: 48.978 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.2





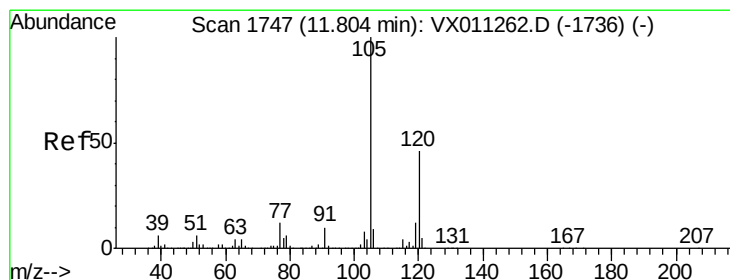
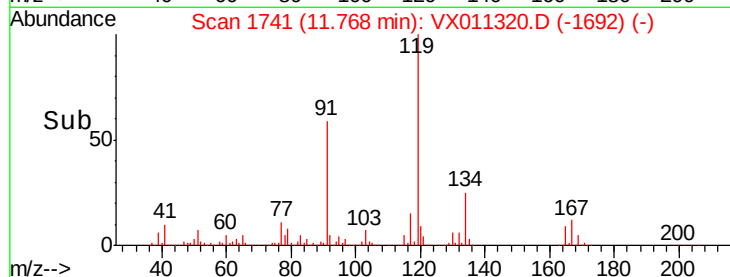
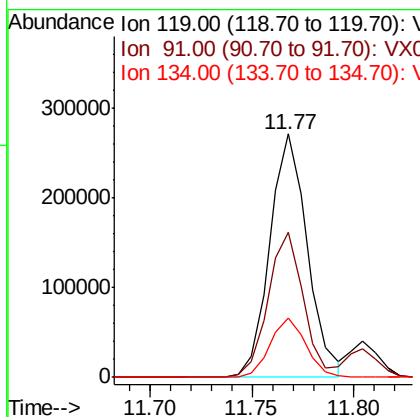
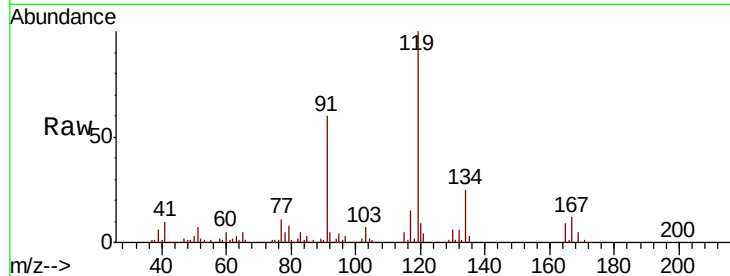
#83
 tert-Butylbenzene
 Concen: 49.313 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	347765		
91	56.7	28.0	84.0	
134	23.4	11.9	35.5	

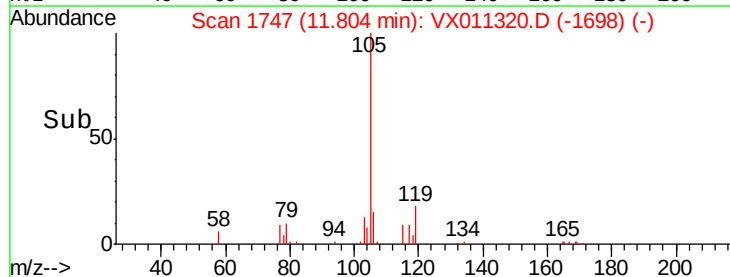
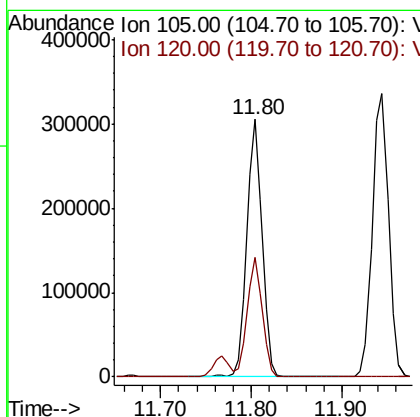
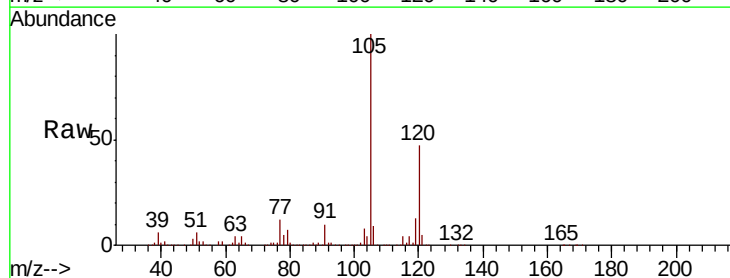
Manual Integrations
 APPROVED

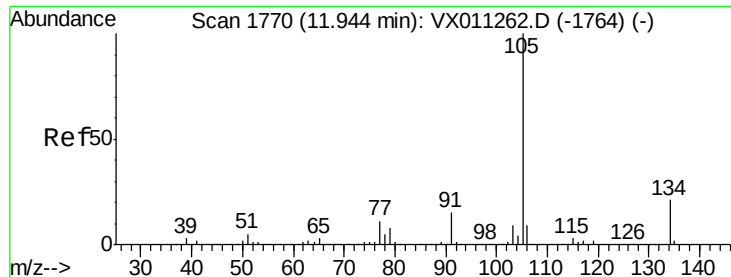
MMDadoda
 8/6/2019 4:48:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.827 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	356712		
120	45.9	23.0	69.0	





#85

sec-Butylbenzene

Concen: 49.157 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 416504

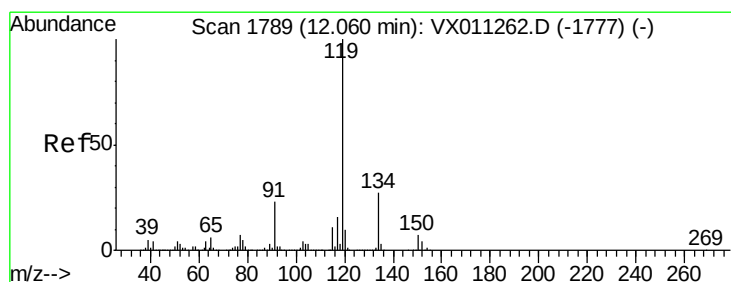
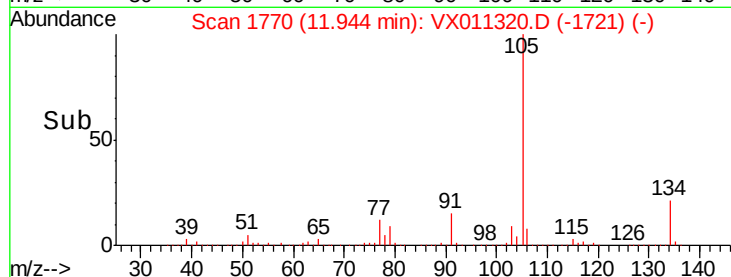
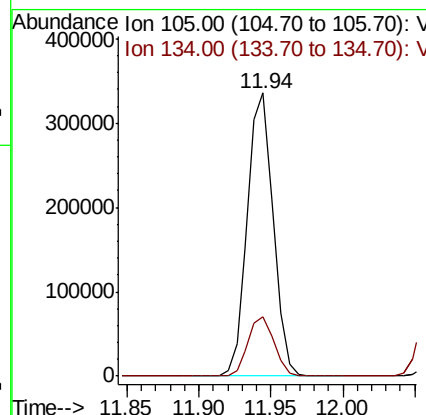
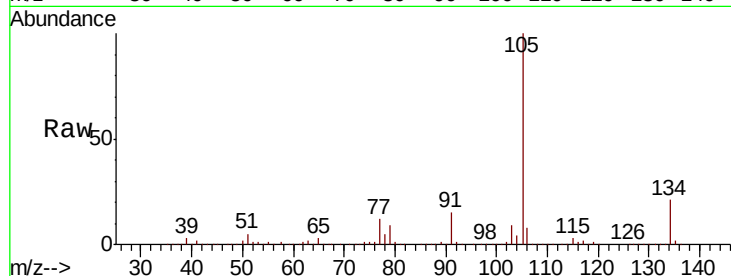
Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#86

p-Isopropyltoluene

Concen: 50.486 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

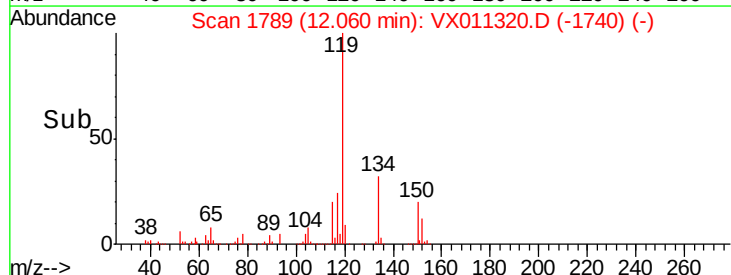
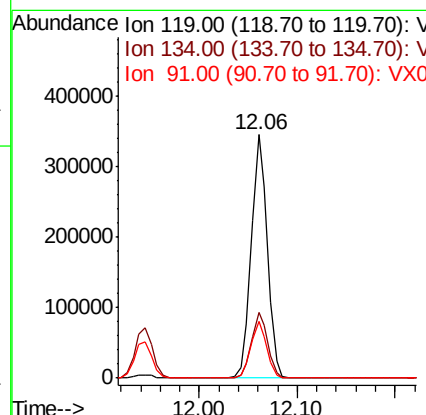
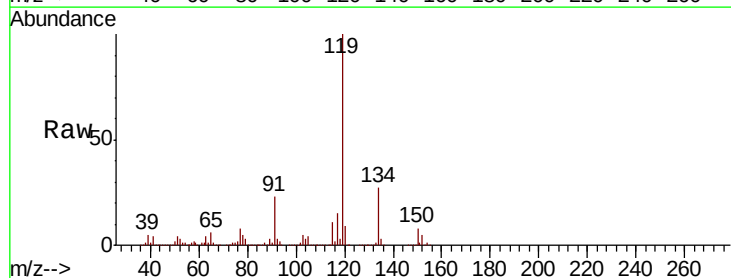
Tgt Ion:119 Resp: 393533

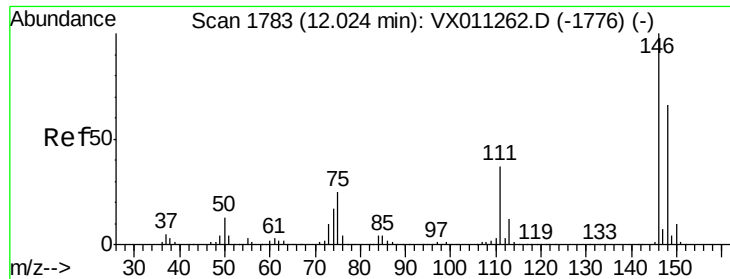
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 23.1 11.4 34.2





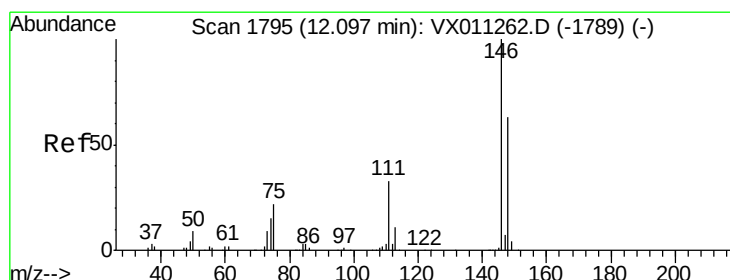
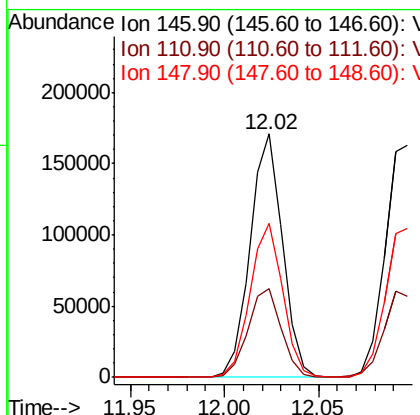
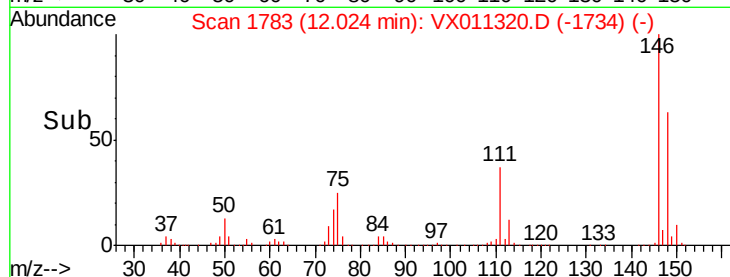
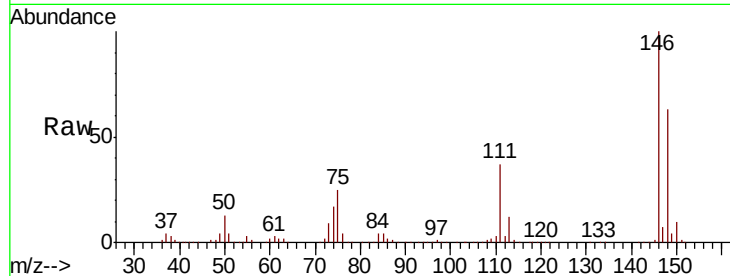
#87
 1,3-Dichlorobenzene
 Concen: 48.281 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.0	32.5	97.5

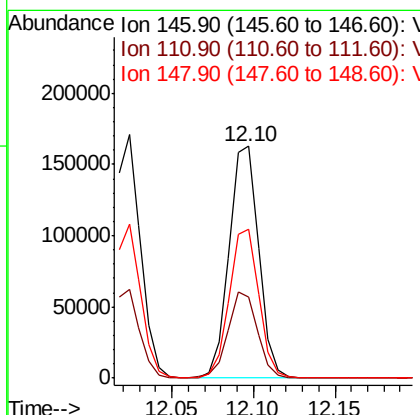
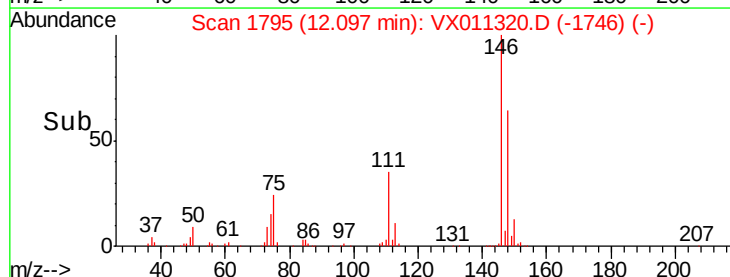
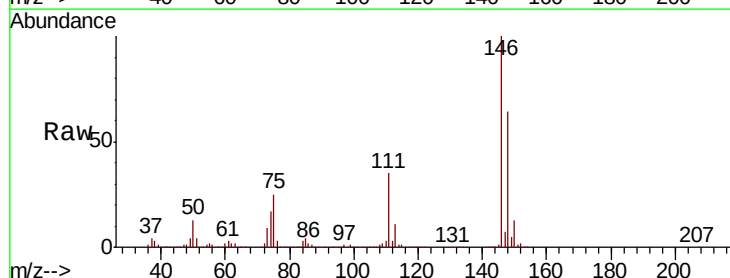
Manual Integrations
 APPROVED

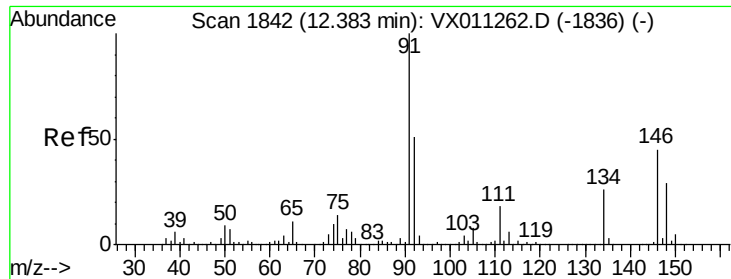
MMDadoda
 8/6/2019 4:48:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.164 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011320.D
 Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.8	53.4
148	64.1	31.8	95.3





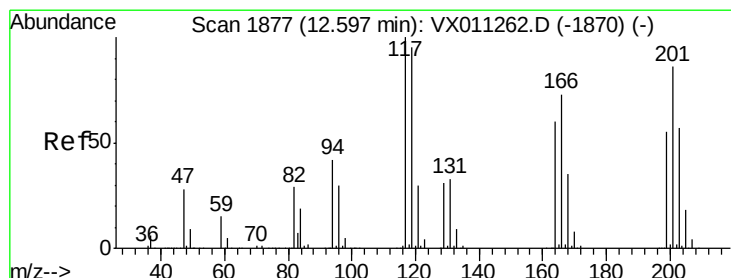
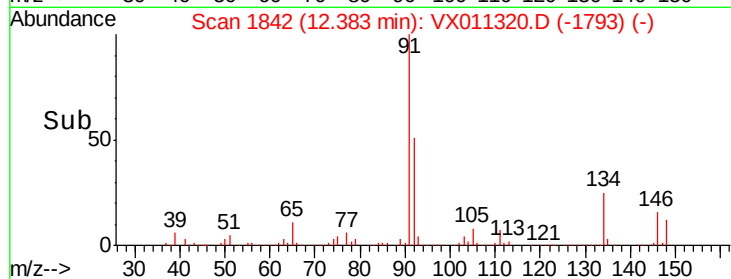
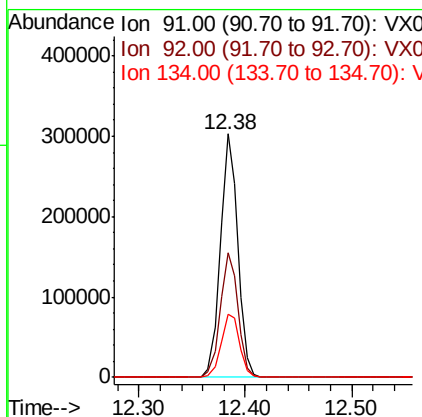
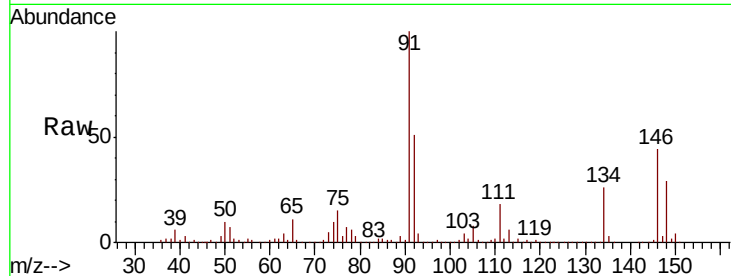
#89
n-Butylbenzene
Concen: 51.233 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.3
134	27.3	13.7	41.0

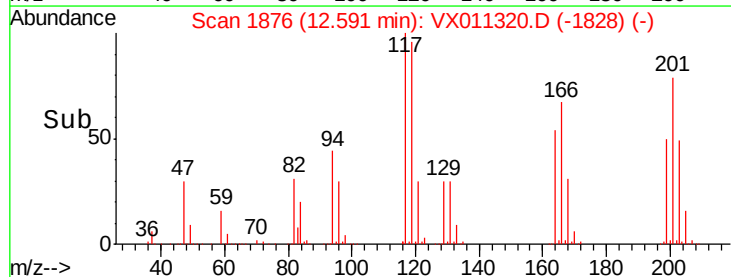
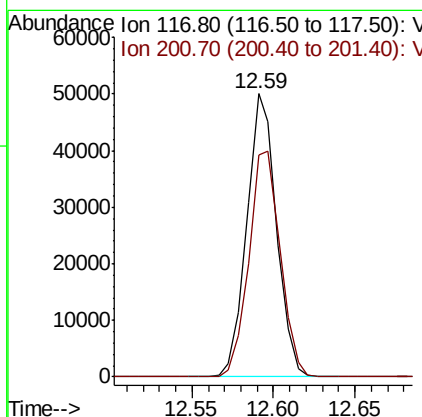
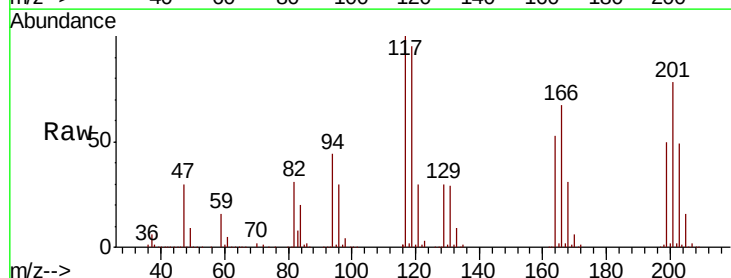
Manual Integrations
APPROVED

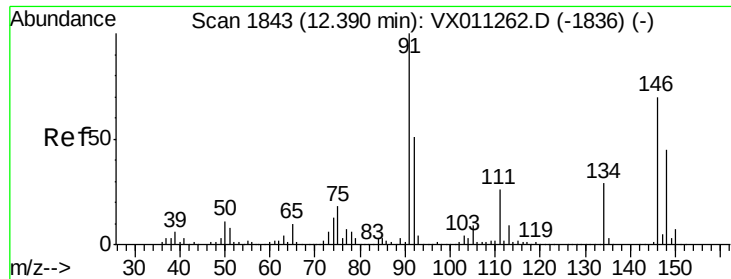
MMDadoda
8/6/2019 4:48:33 PM



#90
Hexachloroethane
Concen: 55.169 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.8	125.4





#91

1,2-Dichlorobenzene

Concen: 46.362 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

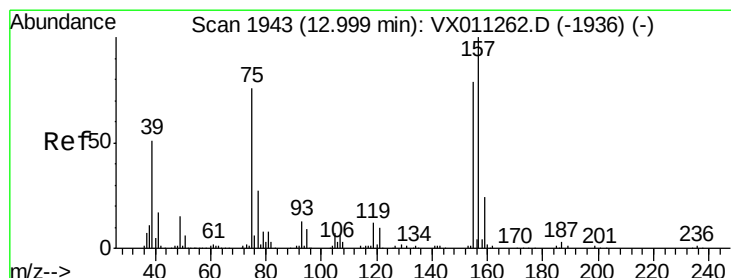
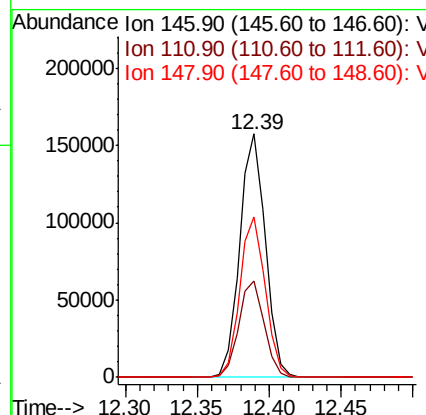
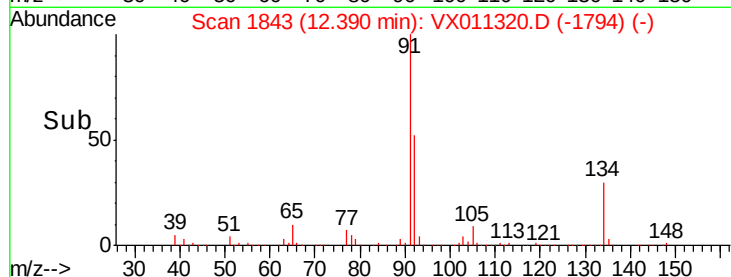
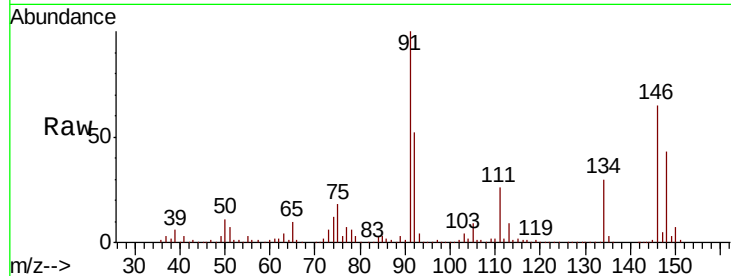
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	196049
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.1	57.1
148	65.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.976 ug/l

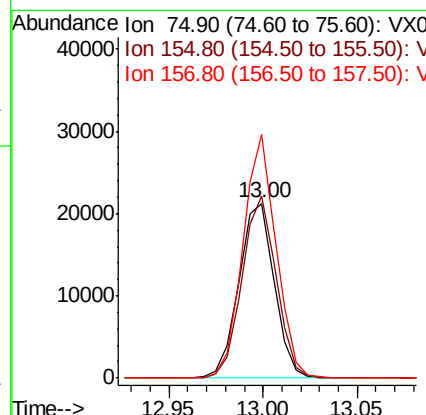
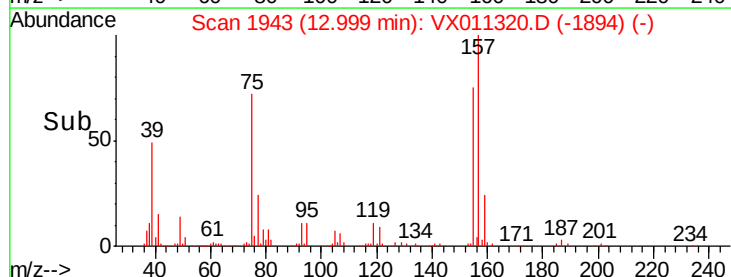
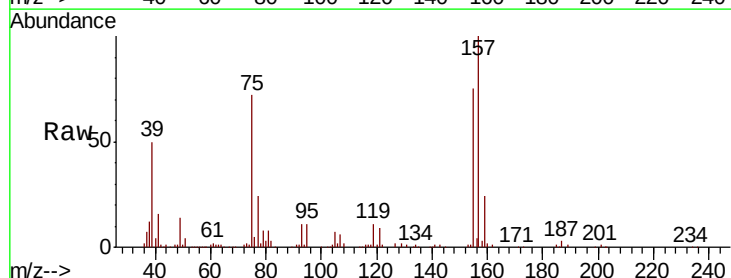
RT: 13.00 min Scan# 1943

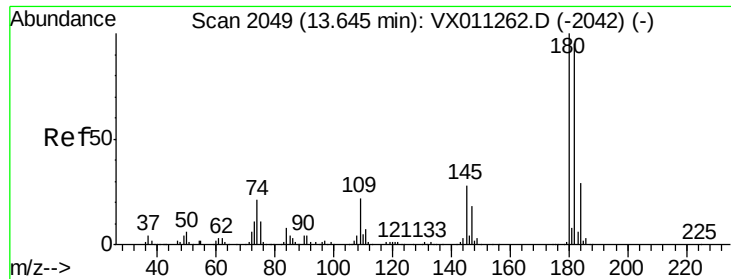
Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	75	Resp:	27716
Ion Ratio	Lower	Upper	
75	100		
155	100.1	51.9	155.8
157	129.9	64.3	192.7





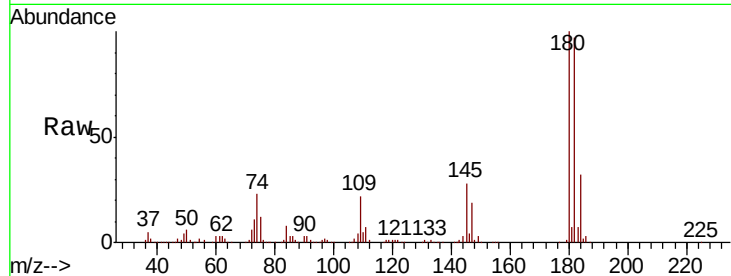
#93
1,2,4-Trichlorobenzene
Concen: 49.475 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138745		
182	95.4	47.8	143.4	
145	29.7	14.8	44.3	

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM

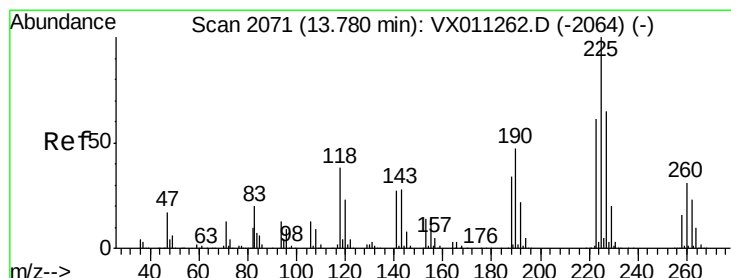
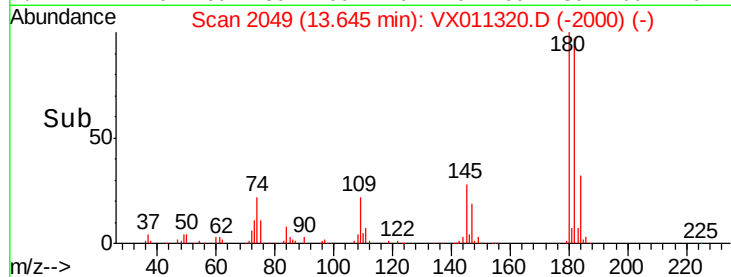
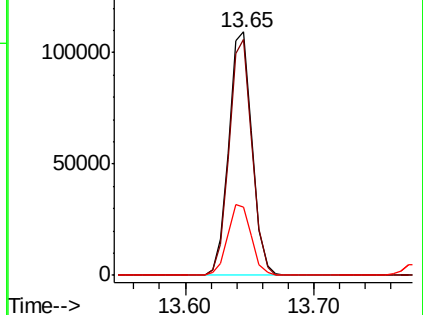


Abundance

Ion 179.80 (179.50 to 180.50): V

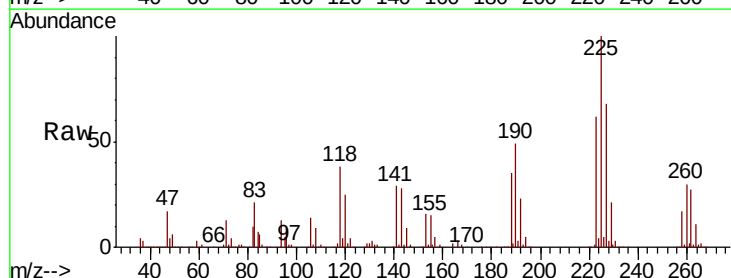
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 50.824 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011320.D
Acq: 05 Aug 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72313		
223	63.4	31.0	93.0	
227	66.6	32.2	96.6	

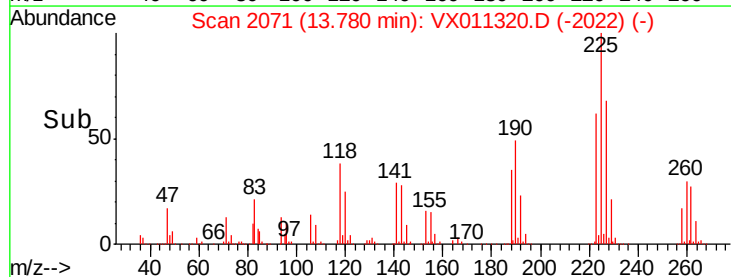
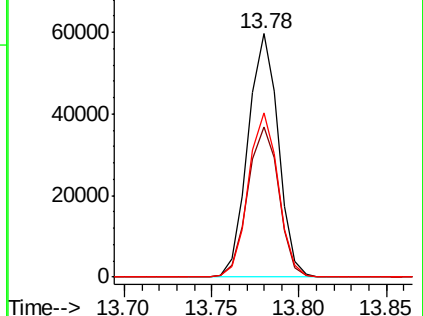


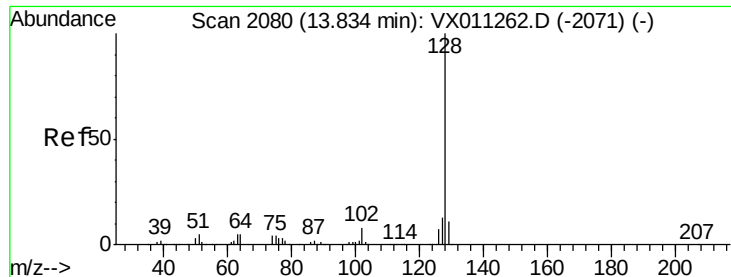
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.983 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Instrument :

MSVOA_X

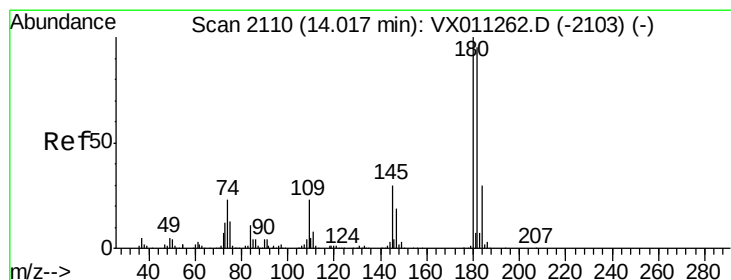
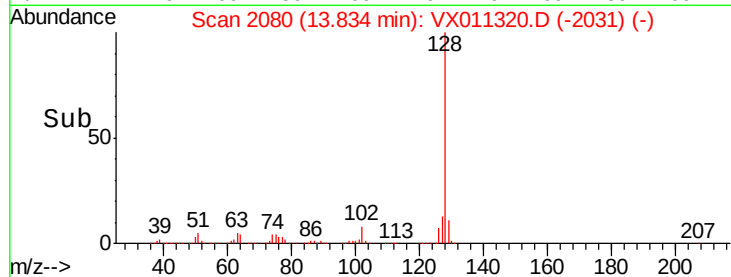
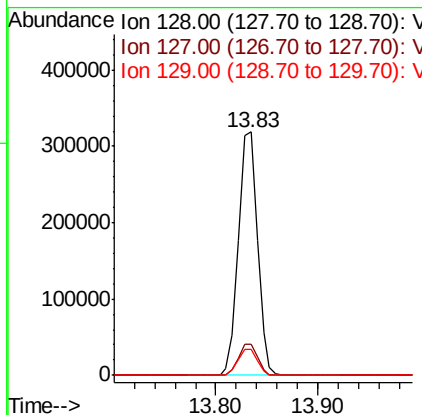
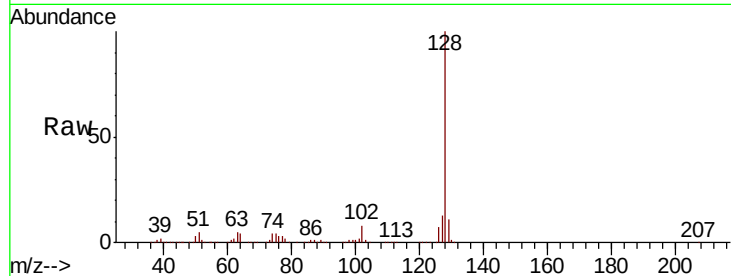
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	409908
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.103 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011320.D

Acq: 05 Aug 2019 10:21

Tgt Ion:	180	Resp:	139992
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	30.1	15.2	45.6

