

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
 Data File : VX011444.D
 Acq On : 11 Aug 2019 20:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:15 AM

Quant Time: Aug 12 09:35:09 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	158082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	236350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	120132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	97251	61.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.18%	
35) Dibromofluoromethane	5.49	113	85523	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
50) Toluene-d8	8.71	98	319158	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
62) 4-Bromofluorobenzene	11.13	95	120266	57.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	56736	46.469	ug/l	99
3) Chloromethane	1.32	50	61795	45.071	ug/l	98
4) Vinyl Chloride	1.40	62	66884	44.348	ug/l	97
5) Bromomethane	1.63	94	41645	38.718	ug/l	100
6) Chloroethane	1.71	64	45301	48.436	ug/l	99
7) Trichlorofluoromethane	1.92	101	125198	46.688	ug/l	99
8) Diethyl Ether	2.18	74	43661	45.598	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69963	48.219	ug/l	98
10) Methyl Iodide	2.50	142	90052	49.228	ug/l	97
11) Tert butyl alcohol	3.04	59	86214	271.580	ug/l	99
12) 1,1-Dichloroethene	2.37	96	68360	47.528	ug/l	90
13) Acrolein	2.29	56	31048	157.221	ug/l	100
14) Allyl chloride	2.72	41	103325	53.887	ug/l	96
15) Acrylonitrile	3.14	53	204507	269.960	ug/l	97
16) Acetone	2.43	43	178187	235.154	ug/l	97
17) Carbon Disulfide	2.56	76	152857	45.289	ug/l	99
18) Methyl Acetate	2.76	43	98746	57.024	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	232859	54.938	ug/l	96
20) Methylene Chloride	2.85	84	79577	47.952	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	73565	48.352	ug/l	92
22) Diisopropyl ether	3.85	45	228744	54.279	ug/l	98
23) Vinyl Acetate	3.81	43	989007	282.954	ug/l	98
24) 1,1-Dichloroethane	3.69	63	129238	52.008	ug/l	98
25) 2-Butanone	4.67	43	287071	266.325	ug/l	96
26) 2,2-Dichloropropane	4.57	77	85947	44.493	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	88510	50.506	ug/l	98
28) Bromochloromethane	5.01	49	62656	55.308	ug/l	97
29) Tetrahydrofuran	5.12	42	179458	271.531	ug/l	99
30) Chloroform	5.20	83	144974	53.678	ug/l	99
31) Cyclohexane	5.57	56	99727	48.644	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	128807	55.673	ug/l	98
36) 1,1-Dichloropropene	5.79	75	99594	48.263	ug/l	99
37) Ethyl Acetate	4.82	43	109496	52.899	ug/l	99
38) Carbon Tetrachloride	5.78	117	112621	54.247	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
 Data File : VX011444.D
 Acq On : 11 Aug 2019 20:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:15 AM

Quant Time: Aug 12 09:35:09 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	110471	45.164	ug/l	98
40) Benzene	6.13	78	308848	50.155	ug/l	96
41) Methacrylonitrile	5.03	41	59745	52.851	ug/l	97
42) 1,2-Dichloroethane	6.18	62	114933	55.196	ug/l	97
43) Isopropyl Acetate	6.44	43	179323	54.188	ug/l	99
44) Trichloroethene	7.21	130	88142	47.289	ug/l	97
45) 1,2-Dichloropropane	7.51	63	80263	50.329	ug/l	99
46) Dibromomethane	7.66	93	58815	50.520	ug/l	96
47) Bromodichloromethane	7.89	83	109989	55.801	ug/l	99
48) Methyl methacrylate	7.76	41	89089	57.204	ug/l	97
49) 1,4-Dioxane	7.73	88	42987	952.086	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	603326	282.497	ug/l	99
52) Toluene	8.78	92	206625	50.751	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	113506	49.478	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	122537	53.220	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	88756	53.022	ug/l	98
56) Ethyl methacrylate	9.18	69	133851	56.110	ug/l	97
57) 1,3-Dichloropropane	9.37	76	139409	52.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	309145	263.568	ug/l	99
59) 2-Hexanone	9.49	43	466080	281.750	ug/l	98
60) Dibromochloromethane	9.58	129	96376	56.235	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95615	52.868	ug/l	99
64) Tetrachloroethene	9.33	164	81554	42.602	ug/l	95
65) Chlorobenzene	10.13	112	234599	48.539	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	89850	54.301	ug/l	99
67) Ethyl Benzene	10.25	91	408980	50.527	ug/l	98
68) m/p-Xylenes	10.35	106	313615	100.168	ug/l	96
69) o-Xylene	10.69	106	154303	50.160	ug/l	98
70) Styrene	10.71	104	265397	52.141	ug/l	98
71) Bromoform	10.85	173	73274	49.554	ug/l #	99
73) Isopropylbenzene	11.02	105	421340	51.282	ug/l	99
74) N-amyl acetate	10.90	43	167424	56.395	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	142167	51.923	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	119802m	54.760	ug/l	
77) Bromobenzene	11.25	156	113065	49.627	ug/l	95
78) n-propylbenzene	11.36	91	465121	50.906	ug/l	99
79) 2-Chlorotoluene	11.41	91	277887	51.027	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	350741	50.996	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37991	46.699	ug/l	98
82) 4-Chlorotoluene	11.51	91	327038	51.528	ug/l	97
83) tert-Butylbenzene	11.77	119	356265	52.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	355941	51.979	ug/l	100
85) sec-Butylbenzene	11.94	105	411272	50.746	ug/l	100
86) p-Isopropyltoluene	12.06	119	382687	51.327	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	201480	50.050	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	198707	47.870	ug/l	98
89) n-Butylbenzene	12.38	91	322388	50.189	ug/l	100
90) Hexachloroethane	12.59	117	62739	56.916	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	200370	49.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31360	59.117	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
Data File : VX011444.D
Acq On : 11 Aug 2019 20:08
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

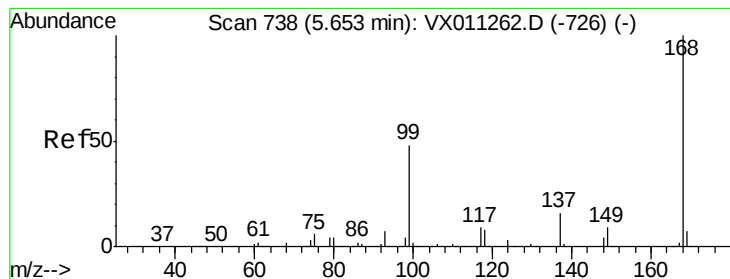
Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM

Quant Time: Aug 12 09:35:09 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	134491	50.138	ug/l	99
94) Hexachlorobutadiene	13.78	225	65886	48.412	ug/l	98
95) Naphthalene	13.83	128	424583	54.126	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	136402	50.018	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 158082

Ion Ratio Lower Upper

168 100

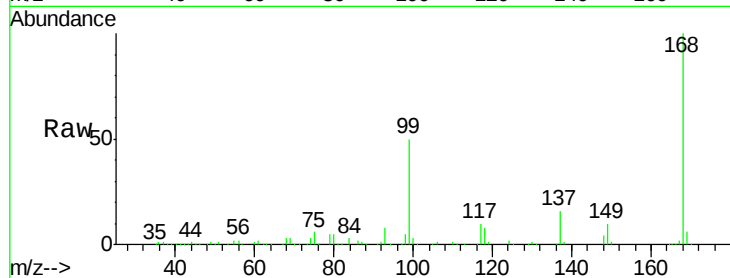
99 50.0 38.5 57.7

Manual Integrations

APPROVED

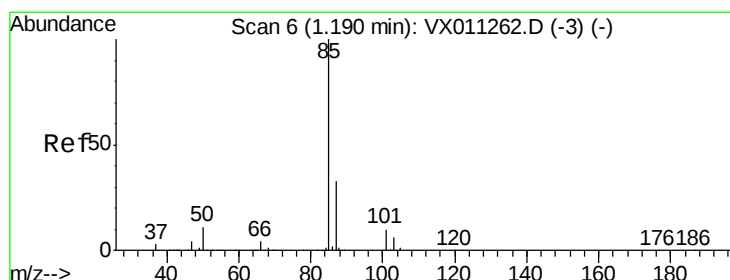
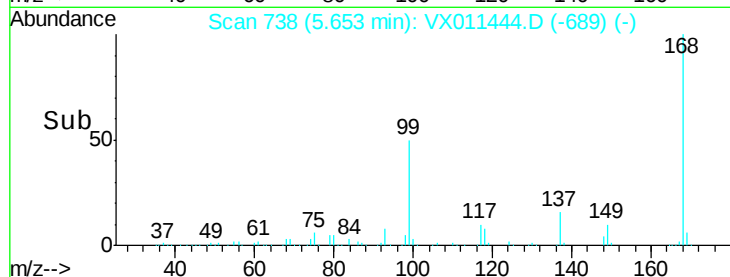
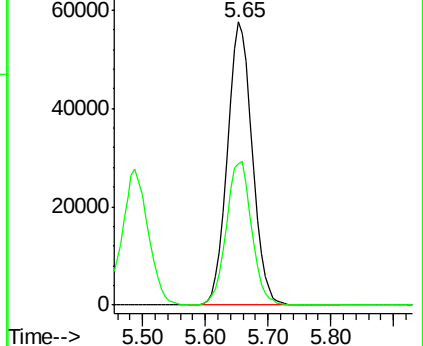
MMDadoda

8/12/2019 10:30:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.469 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011444.D

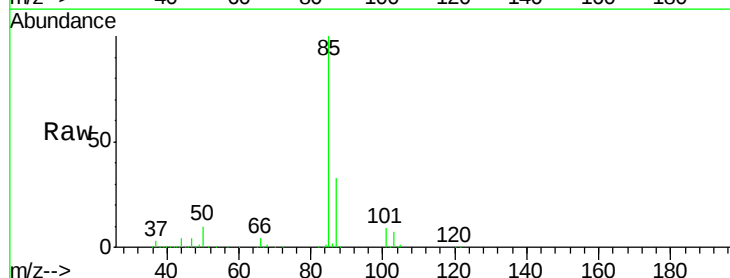
Acq: 11 Aug 2019 20:08

Tgt Ion: 85 Resp: 56736

Ion Ratio Lower Upper

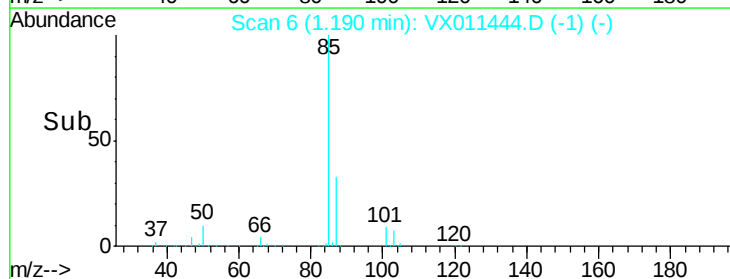
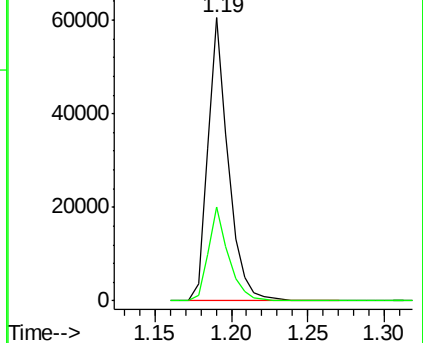
85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.071 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 61795

Ion Ratio Lower Upper

50 100

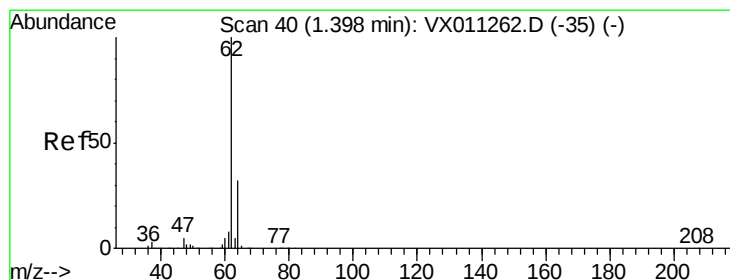
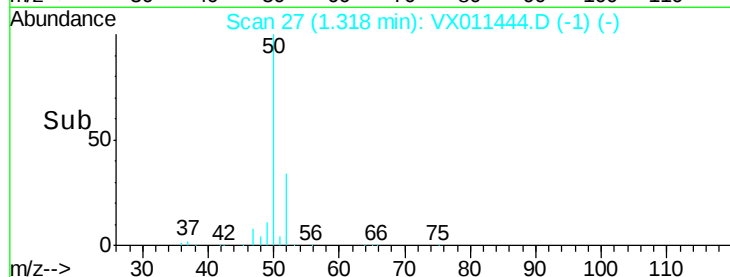
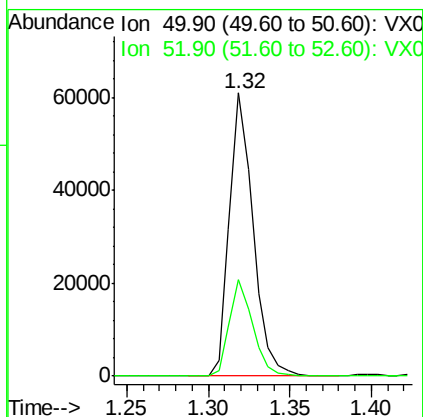
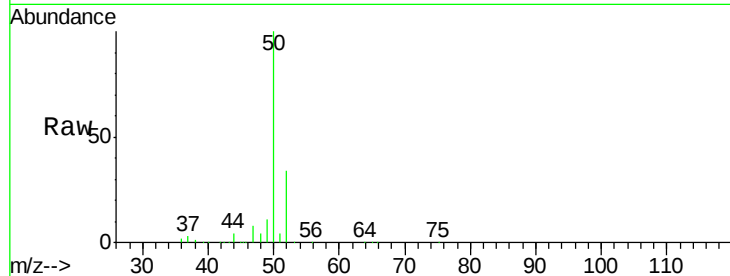
52 33.9 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:15 AM



#4

Vinyl Chloride

Concen: 44.348 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011444.D

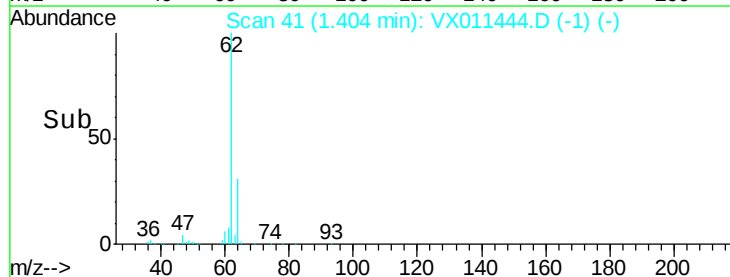
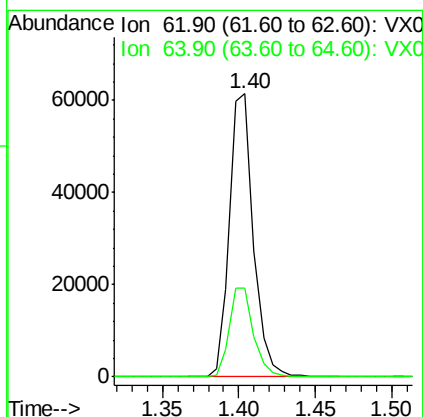
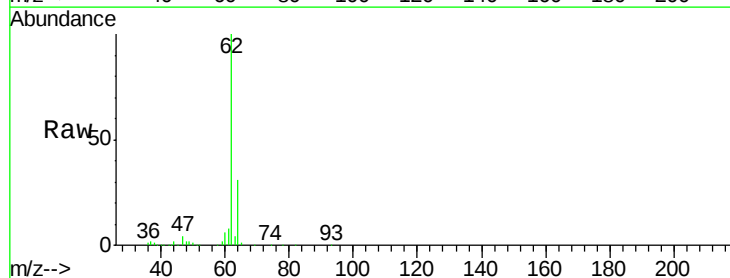
Acq: 11 Aug 2019 20:08

Tgt Ion: 62 Resp: 66884

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0





#5

Bromomethane

Concen: 38.718 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 41645

Ion Ratio Lower Upper

94 100

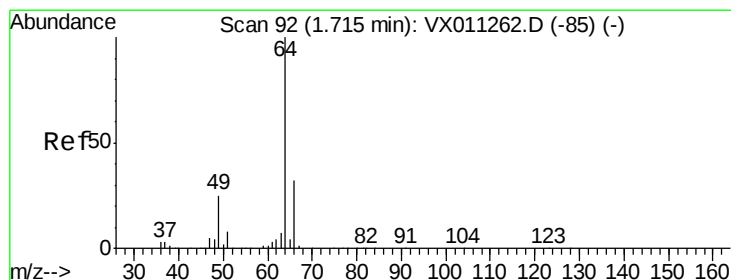
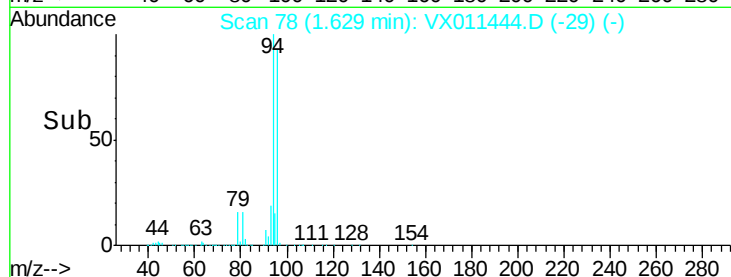
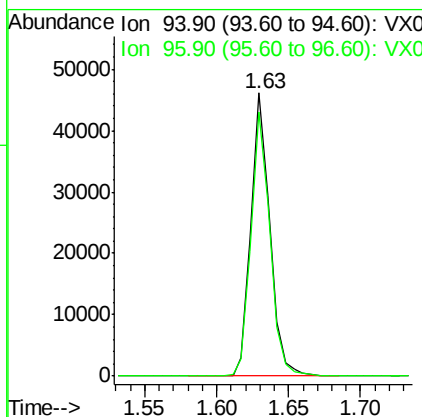
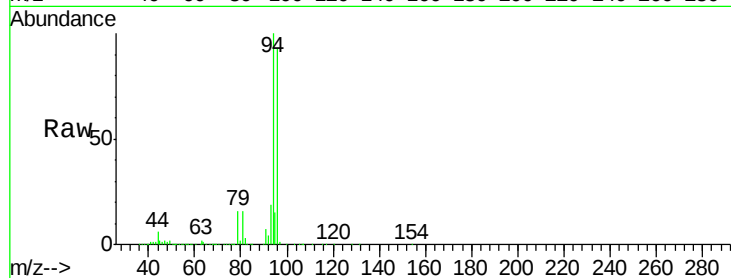
96 93.5 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:15 AM



#6

Chloroethane

Concen: 48.436 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011444.D

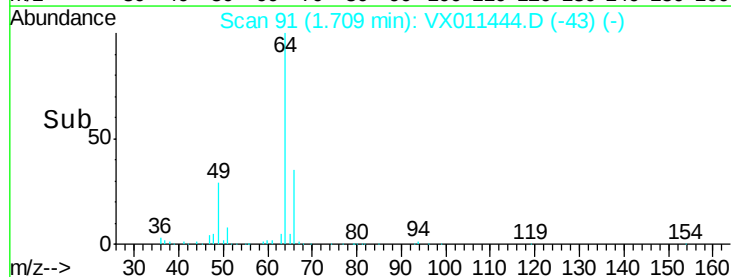
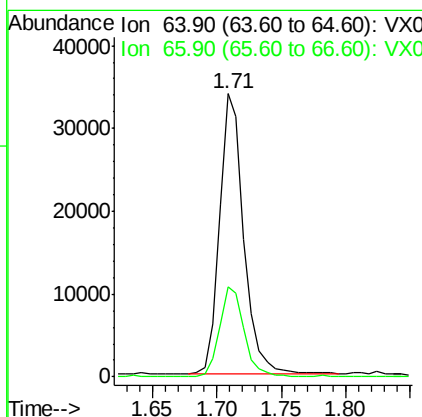
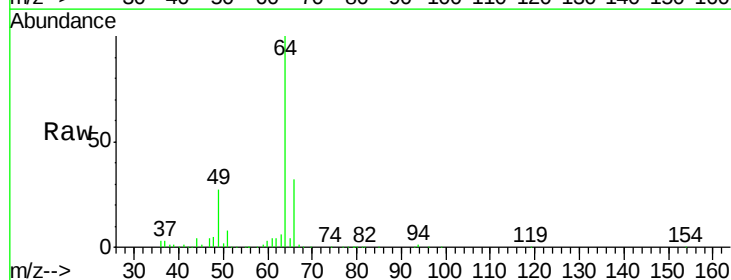
Acq: 11 Aug 2019 20:08

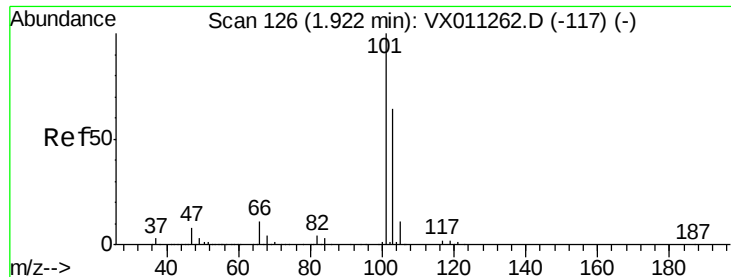
Tgt Ion: 64 Resp: 45301

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

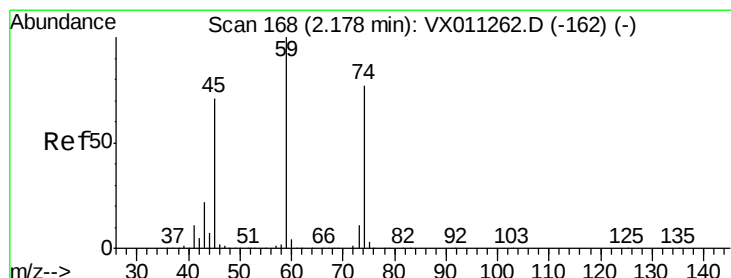
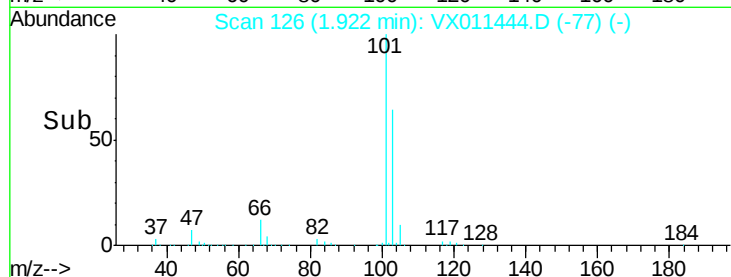
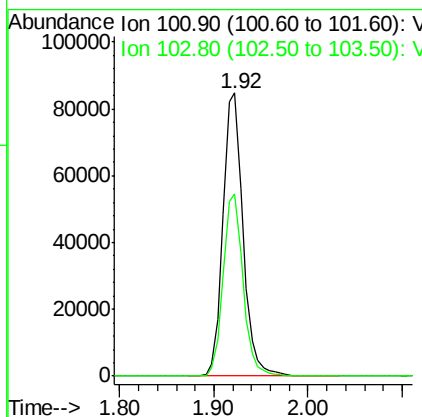
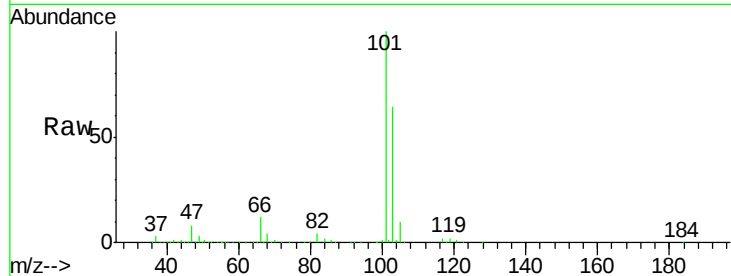
Trichlorofluoromethane
Concen: 46.688 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3

Manual Integrations
APPROVED

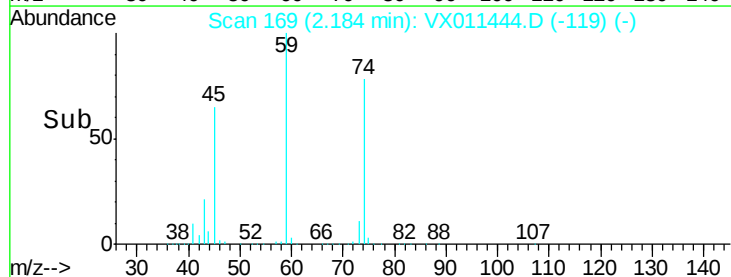
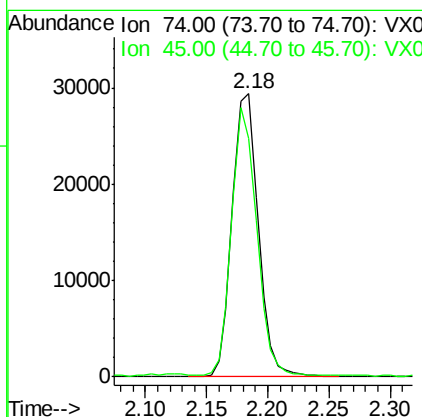
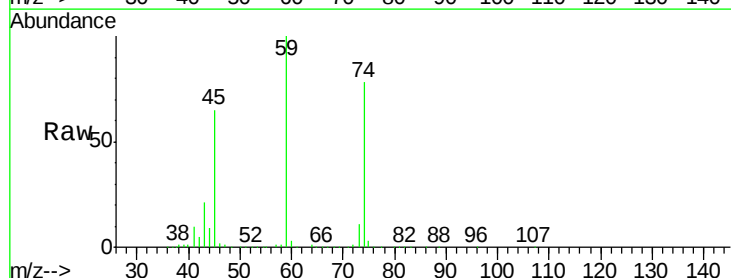
MMDadoda
8/12/2019 10:30:15 AM



#8

Diethyl Ether
Concen: 45.598 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	46.1	138.3





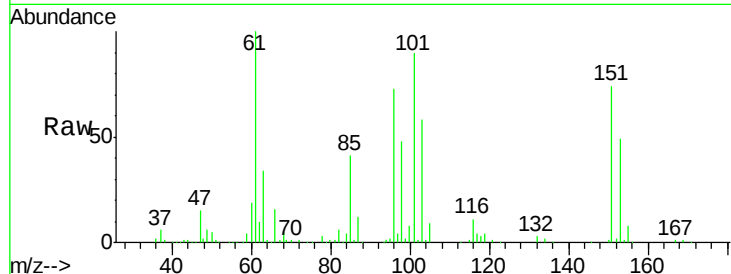
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.219 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

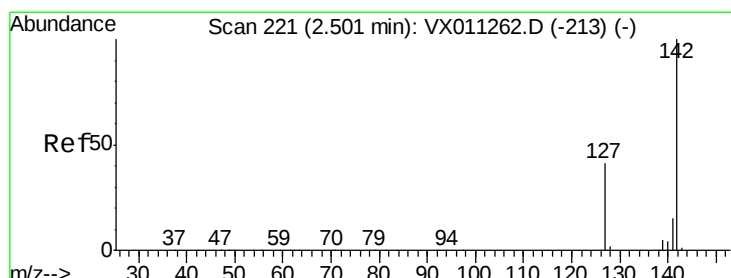
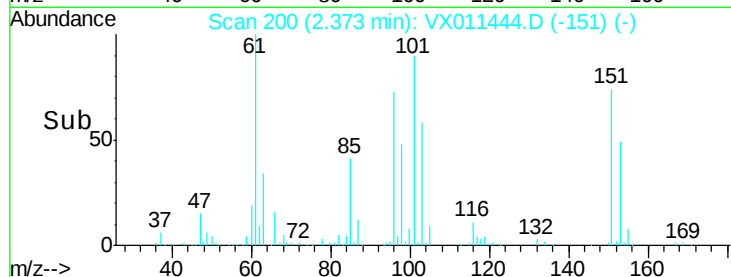
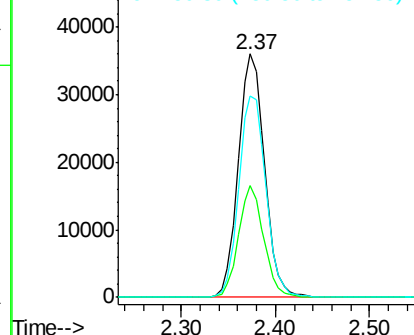
Tot Ion	Ratio	Resp	Lower	Upper
101	100	69963		
85	44.0	33.8	50.6	
151	85.2	69.5	104.3	

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM

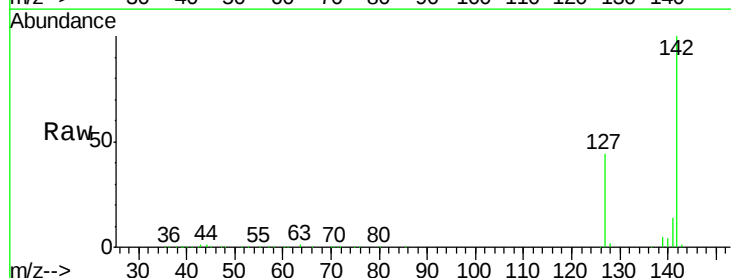


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V

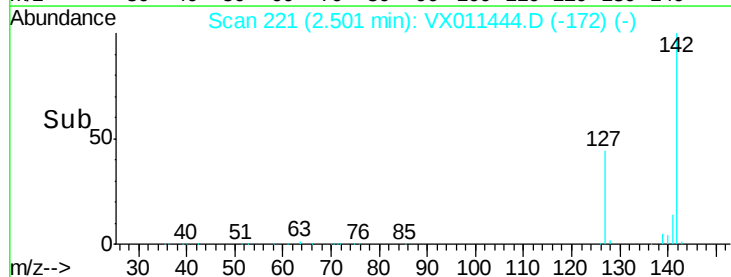
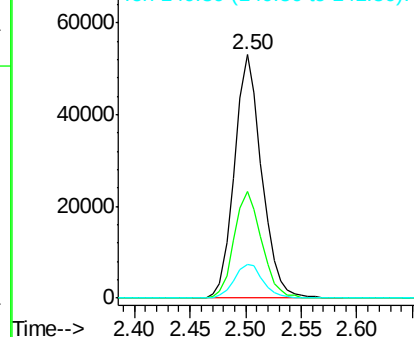


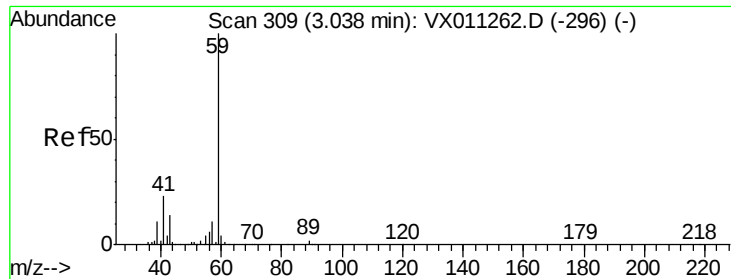
#10
Methyl Iodide
Concen: 49.228 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	90052		
127	44.3	33.8	50.8	
141	14.7	11.4	17.2	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





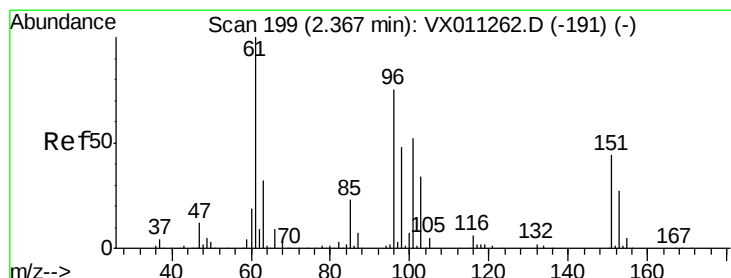
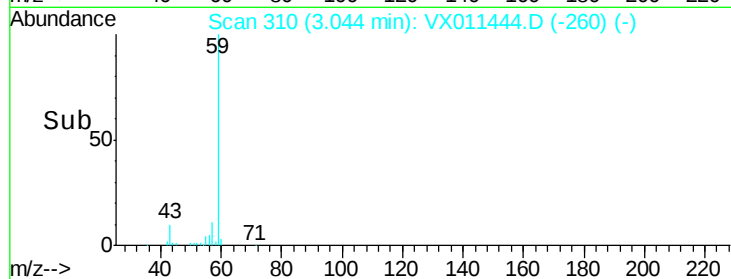
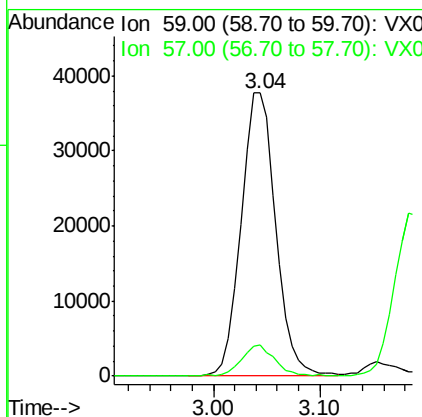
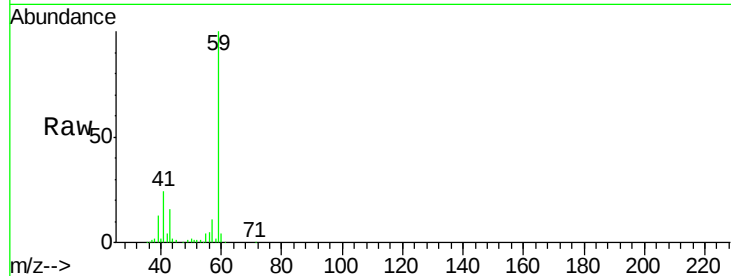
#11
Tert butyl alcohol
Concen: 271.580 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	86214
Ion Ratio	100	Lower	Upper
57	10.9	8.3	12.5

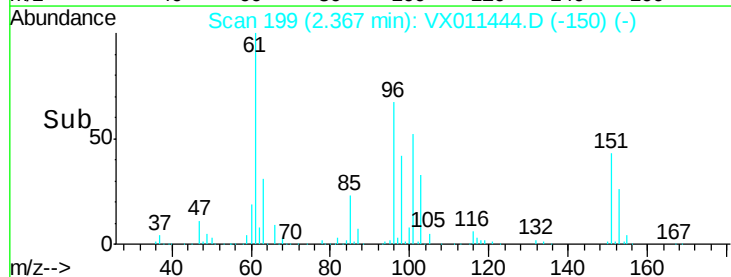
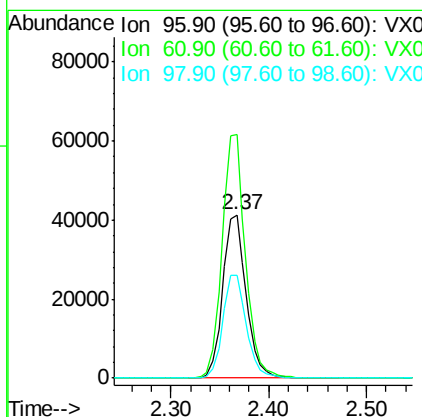
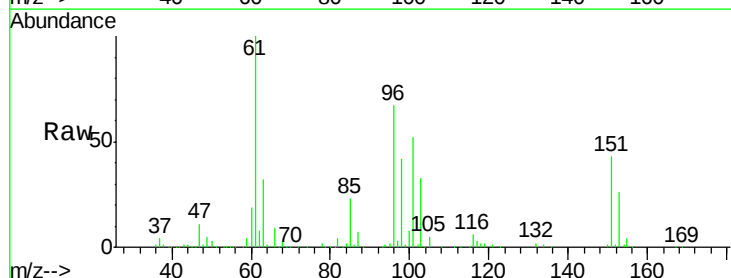
Manual Integrations
APPROVED

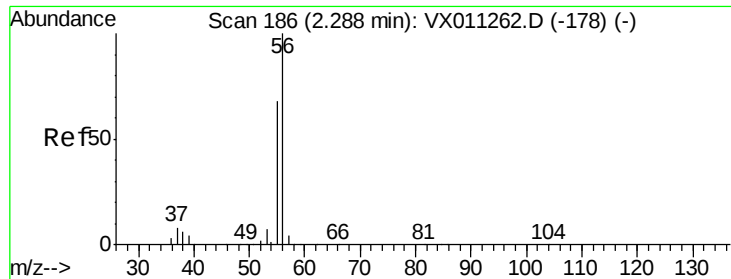
MMDadoda
8/12/2019 10:30:15 AM



#12
1,1-Dichloroethene
Concen: 47.528 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	96	Resp	68360
Ion Ratio	100	Lower	Upper
61	149.4	106.2	159.2
98	62.9	50.6	75.8





#13

Acrolein

Concen: 157.221 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 31048

Ion Ratio Lower Upper

56 100

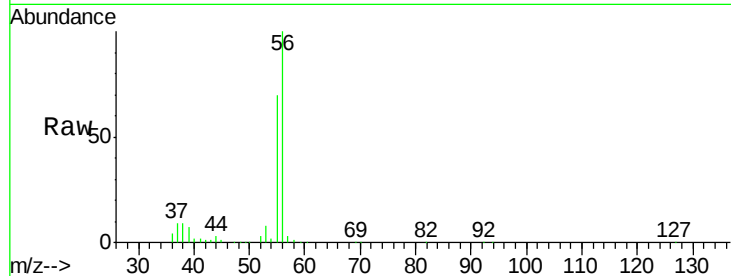
55 70.1 56.0 84.0

Manual Integrations

APPROVED

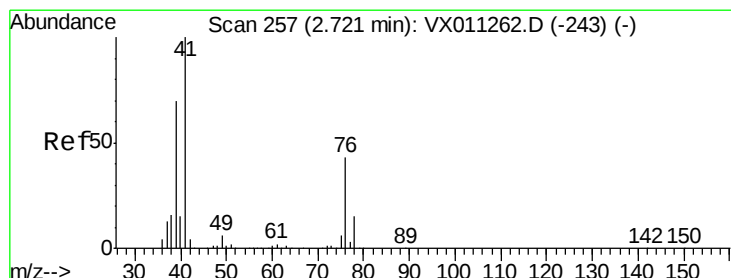
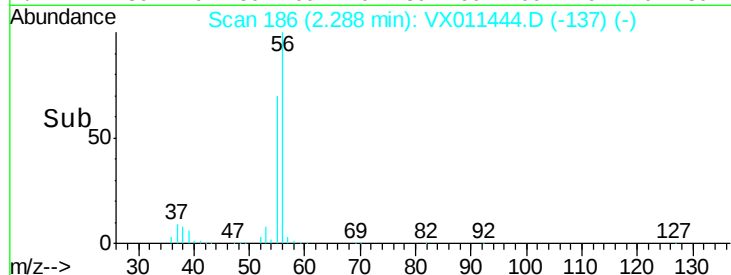
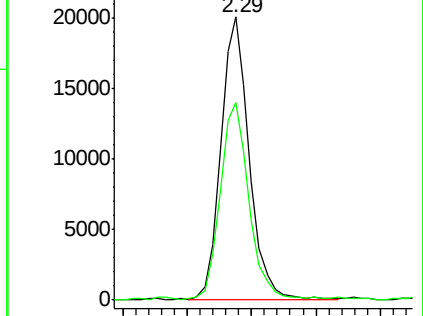
MMDadoda

8/12/2019 10:30:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.887 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

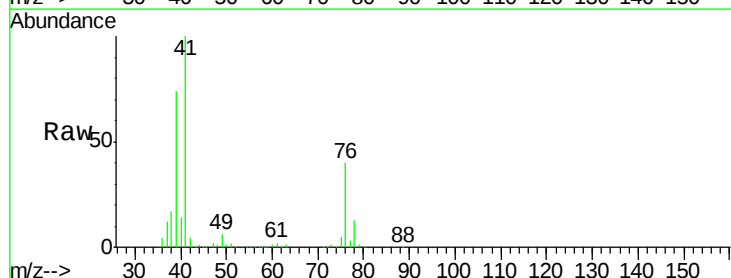
Tgt Ion: 41 Resp: 103325

Ion Ratio Lower Upper

41 100

39 68.3 52.8 79.2

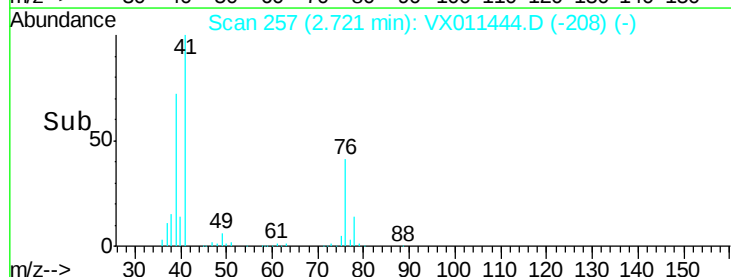
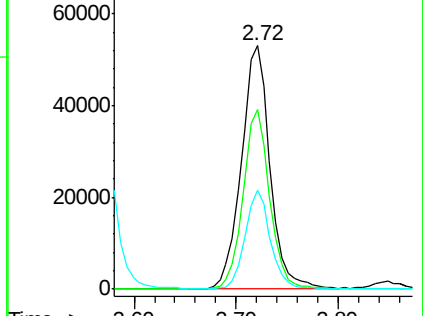
76 35.6 31.1 46.7



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: 269.960 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

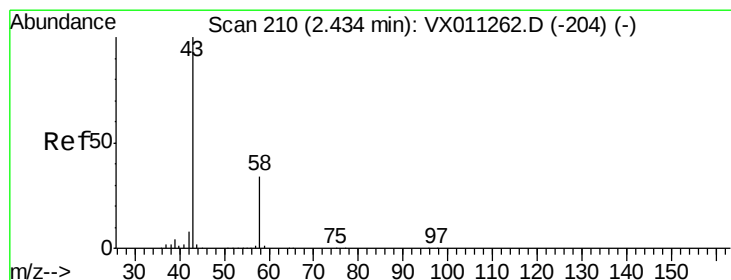
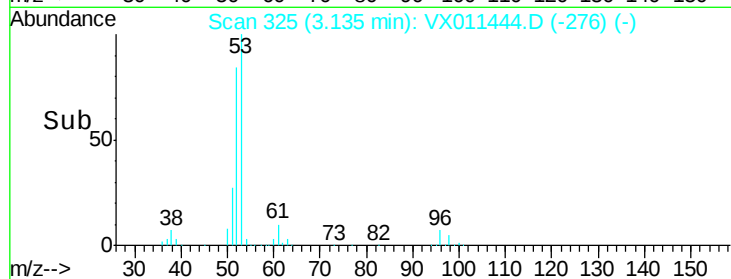
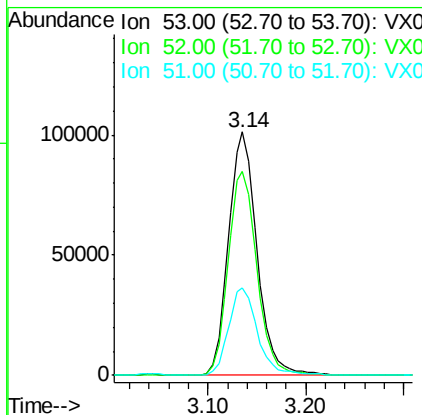
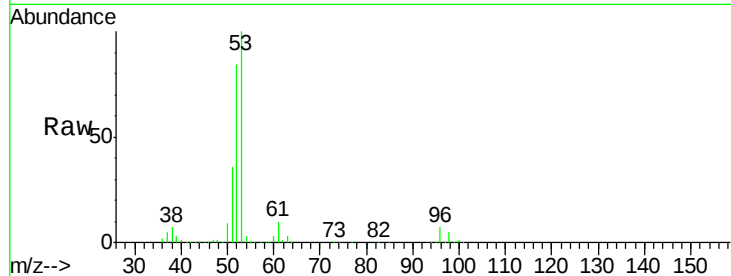
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	204507
Ion Ratio		Lower	Upper
53	100		
52	84.6	65.5	98.3
51	36.7	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#16

Acetone

Concen: 235.154 ug/l

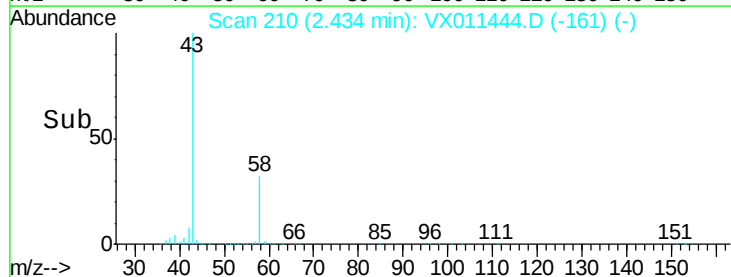
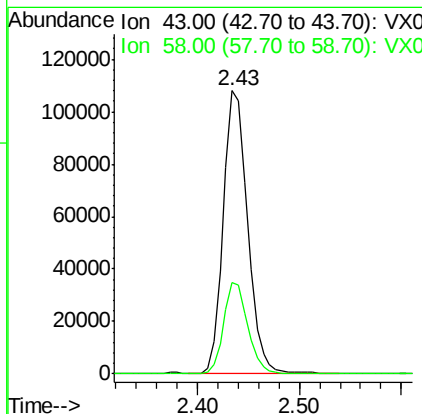
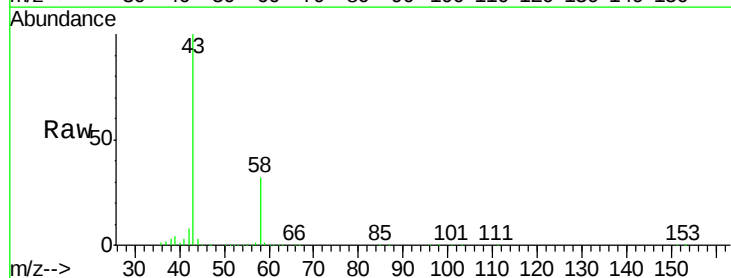
RT: 2.43 min Scan# 210

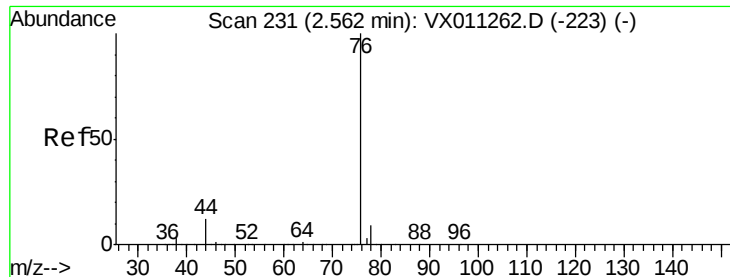
Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	43	Resp:	178187
Ion Ratio		Lower	Upper
43	100		
58	32.4	27.4	41.0





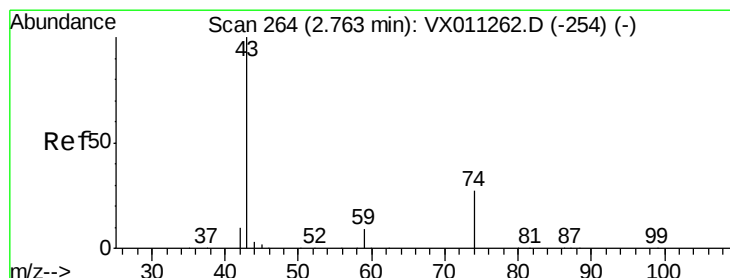
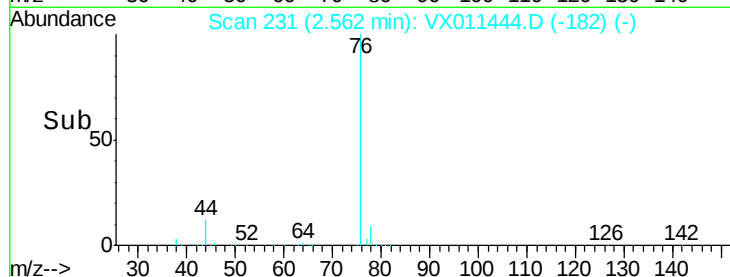
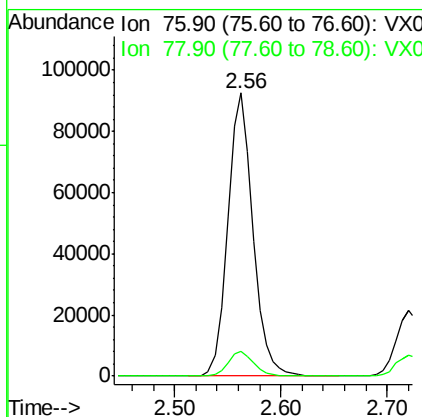
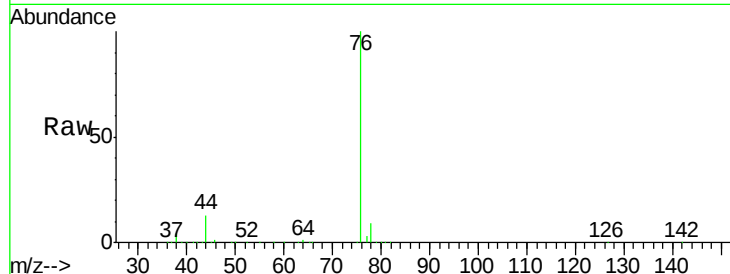
#17
Carbon Disulfide
Concen: 45.289 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

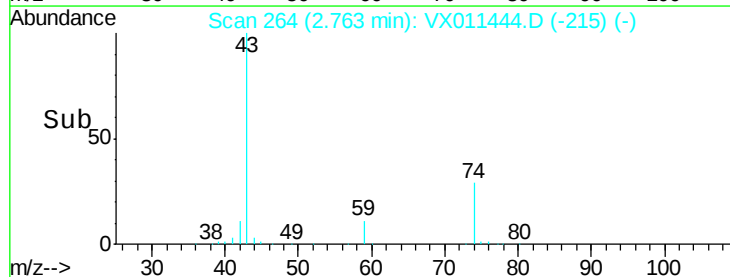
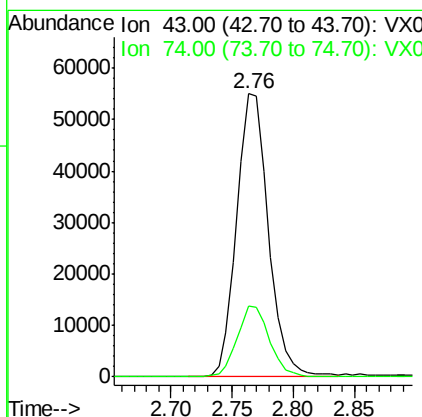
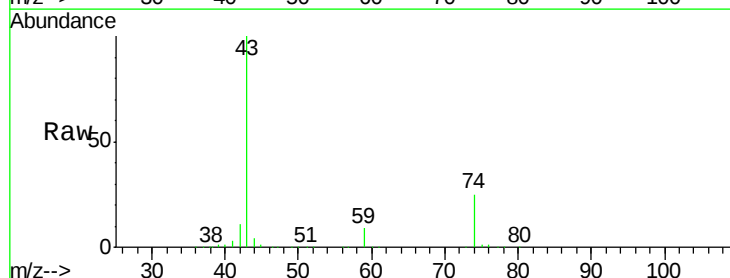
Manual Integrations
APPROVED

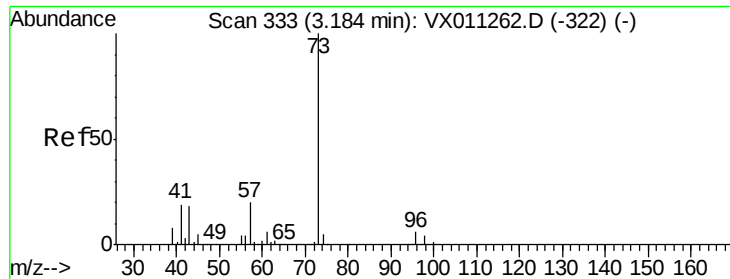
MMDadoda
8/12/2019 10:30:15 AM



#18
Methyl Acetate
Concen: 57.024 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	21.0	31.6





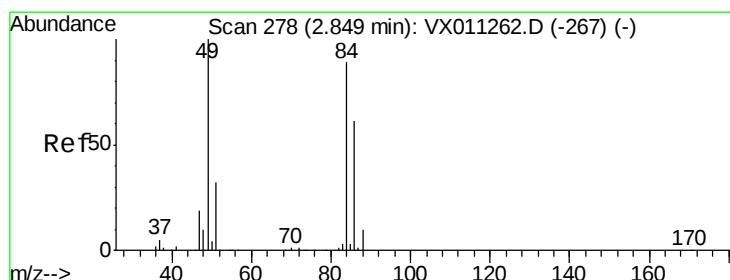
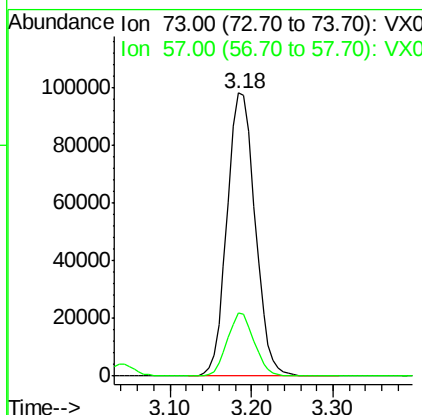
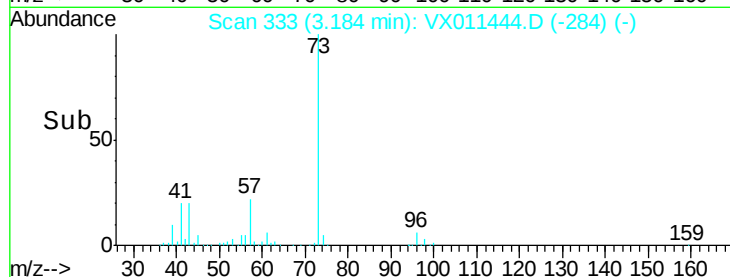
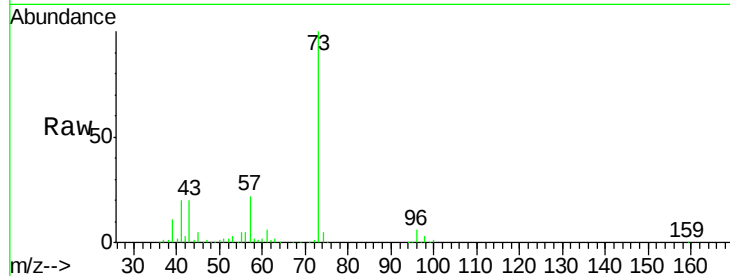
#19
Methvl tert-butvl Ether
Concen: 54.938 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 232859
Ion Ratio Lower Upper
73 100
57 22.2 16.2 24.2

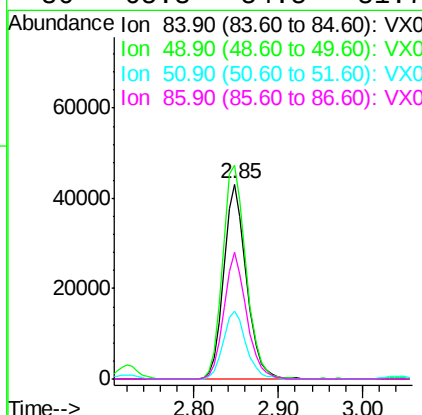
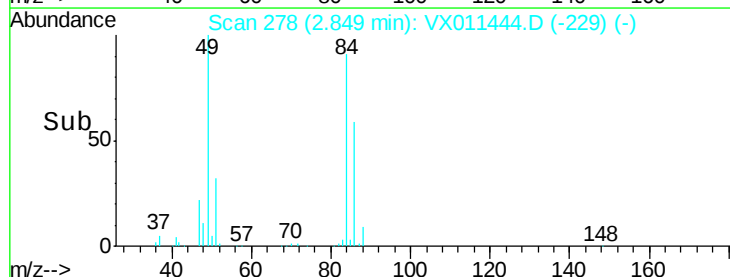
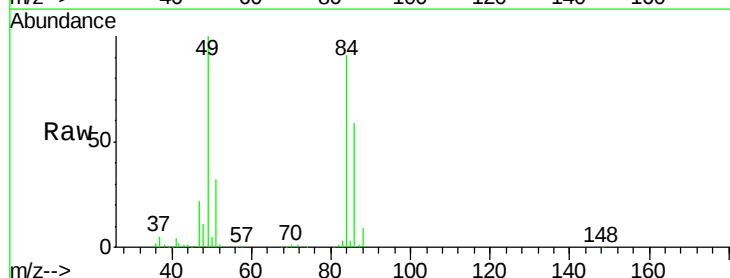
Manual Integrations
APPROVED

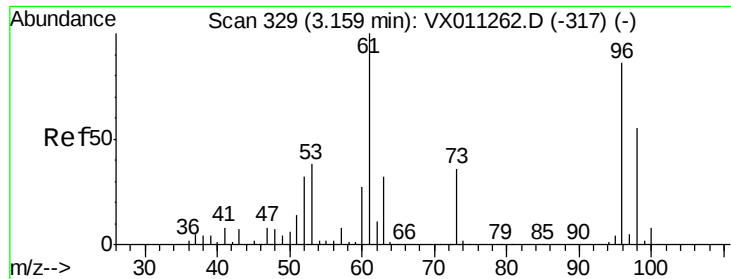
MMDadoda
8/12/2019 10:30:15 AM



#20
Methylene Chloride
Concen: 47.952 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion: 84 Resp: 79577
Ion Ratio Lower Upper
84 100
49 109.8 89.3 133.9
51 34.7 28.3 42.5
86 65.3 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 48.352 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 73565

Ion Ratio Lower Upper

96 100

61 127.8 92.8 139.2

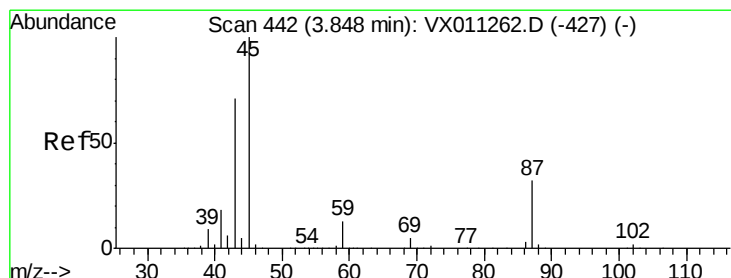
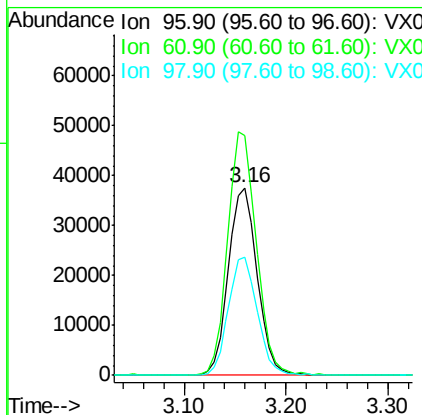
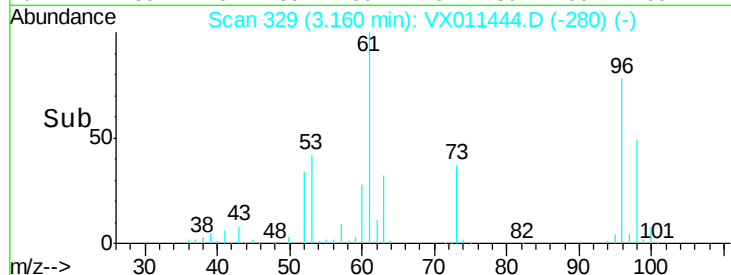
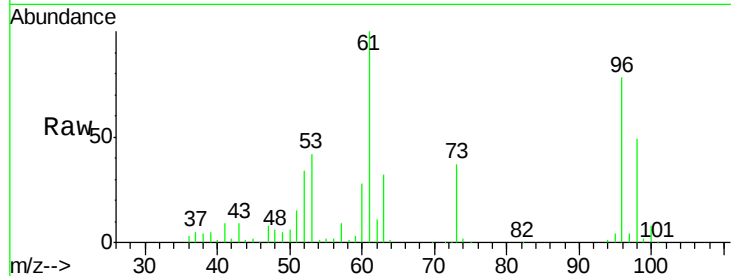
98 62.7 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:15 AM



#22

Diisopropyl ether

Concen: 54.279 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion: 45 Resp: 228744

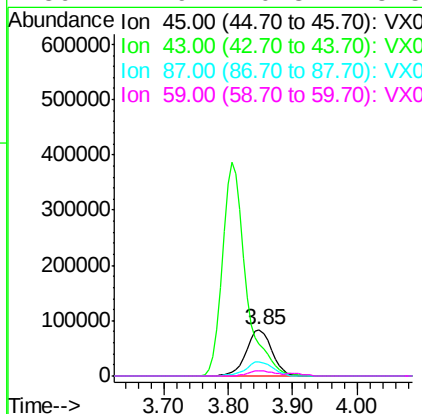
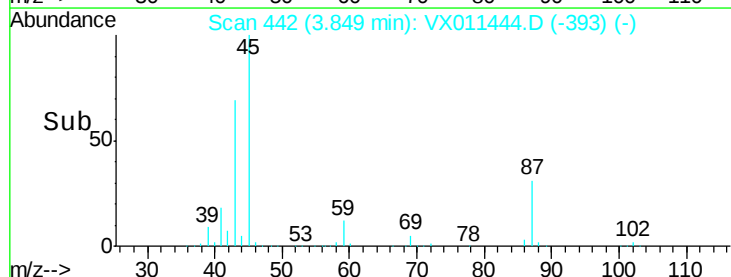
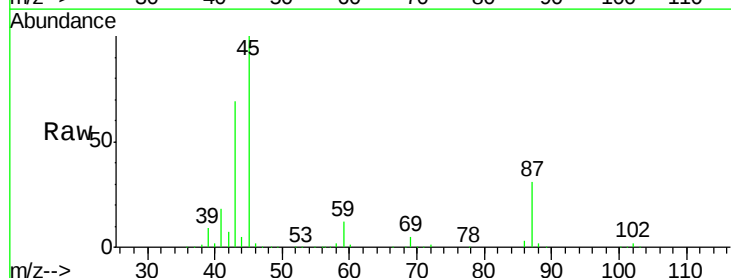
Ion Ratio Lower Upper

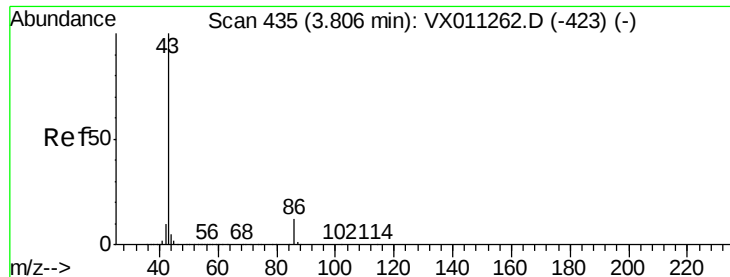
45 100

43 69.3 56.8 85.2

87 30.8 25.8 38.6

59 11.9 10.3 15.5





#23

Vinyl Acetate

Concen: 282.954 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 989007

Ion Ratio Lower Upper

43 100

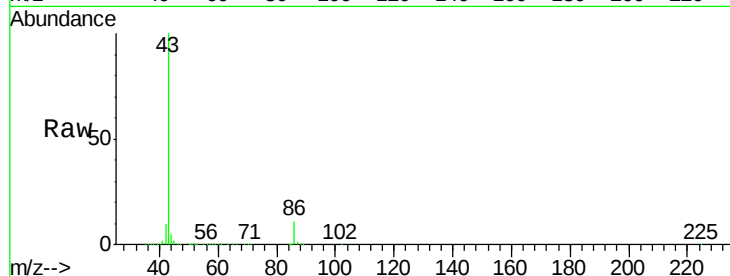
86 11.3 9.6 14.4

Manual Integrations

APPROVED

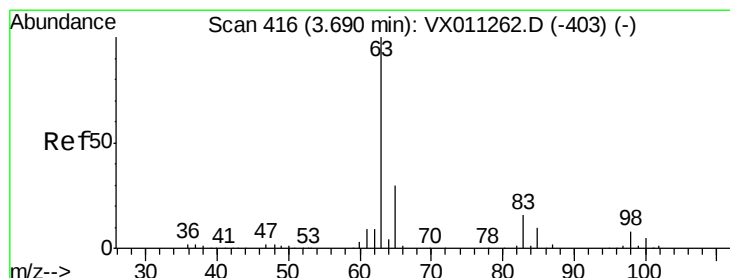
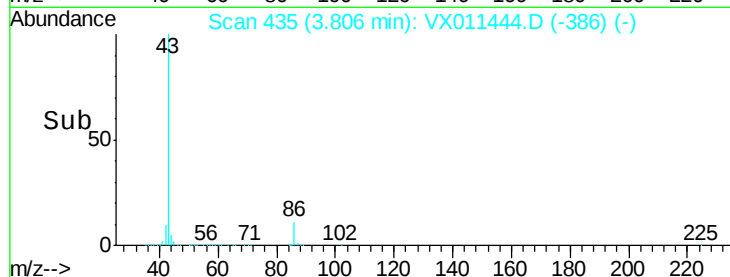
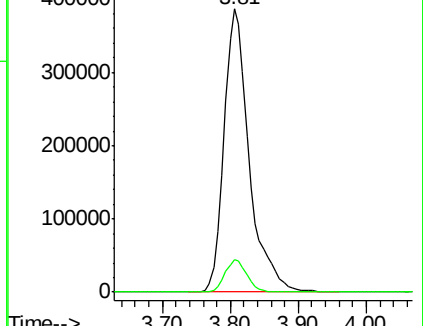
MMDadoda

8/12/2019 10:30:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.008 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

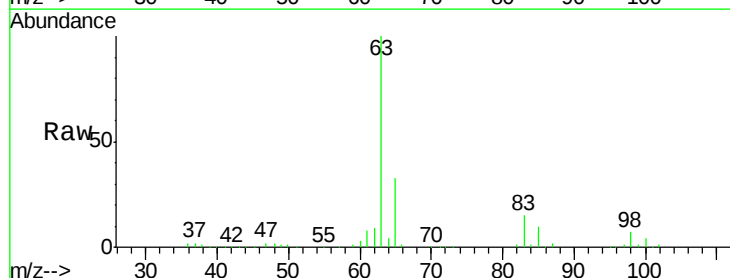
Tgt Ion: 63 Resp: 129238

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

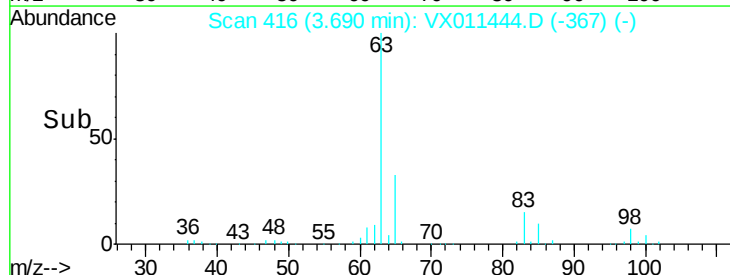
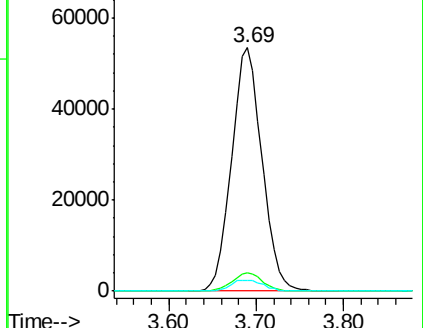
100 4.5 2.7 8.1

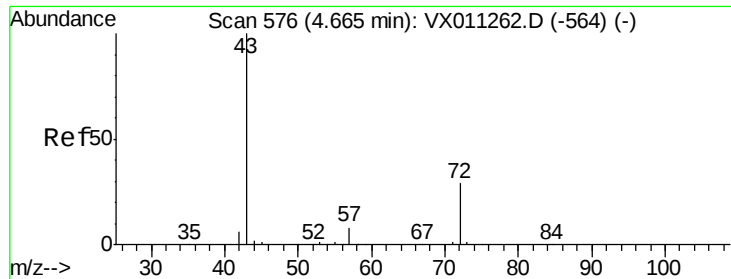


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 266.325 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 287071

Ion Ratio Lower Upper

43 100

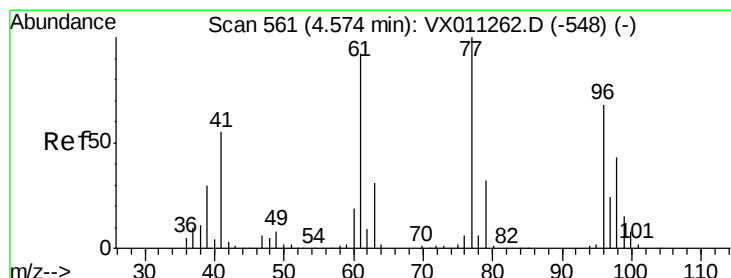
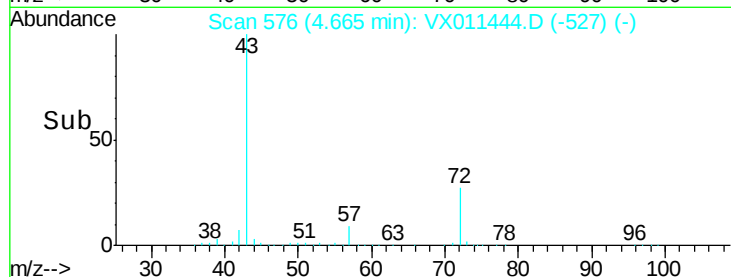
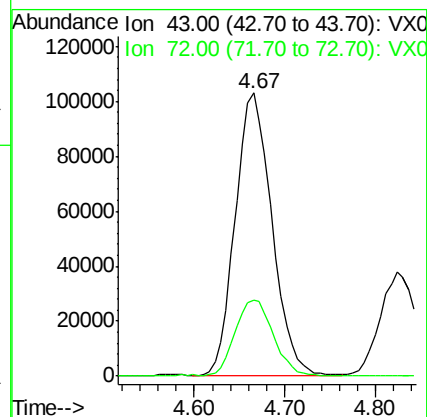
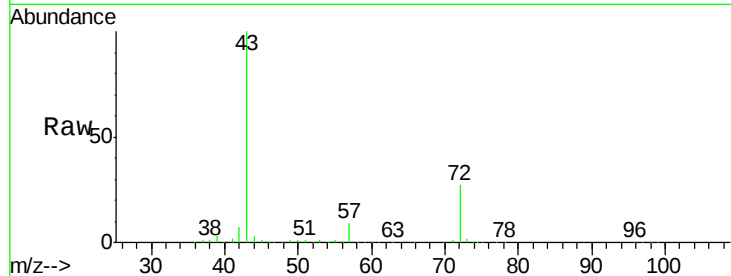
72 26.9 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:15 AM



#26

2,2-Dichloropropane

Concen: 44.493 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011444.D

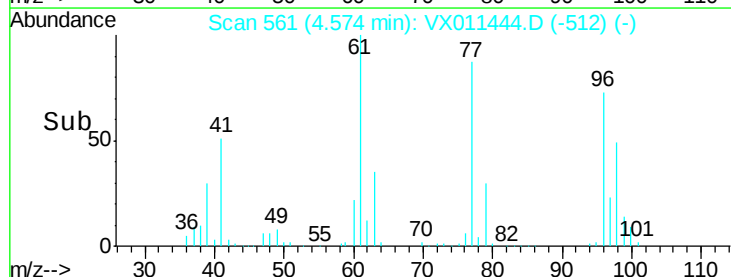
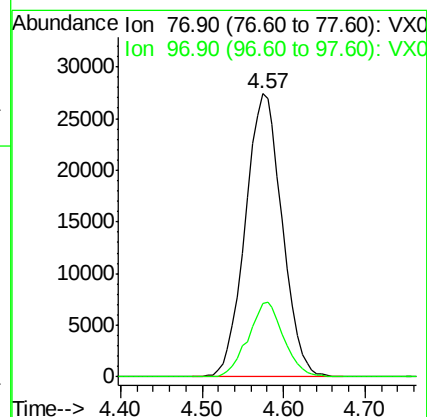
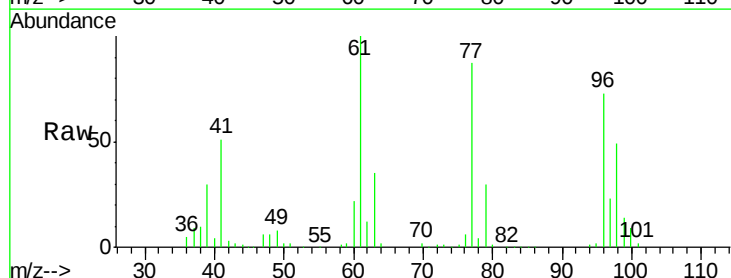
Acq: 11 Aug 2019 20:08

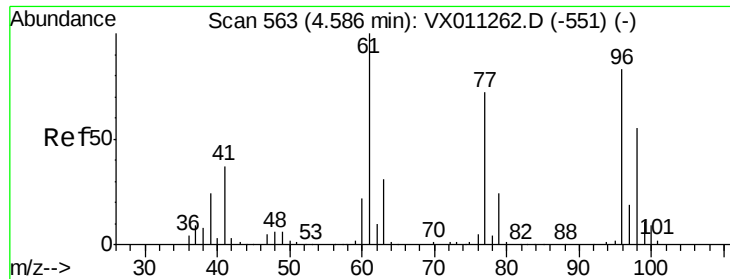
Tgt Ion: 77 Resp: 85947

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4





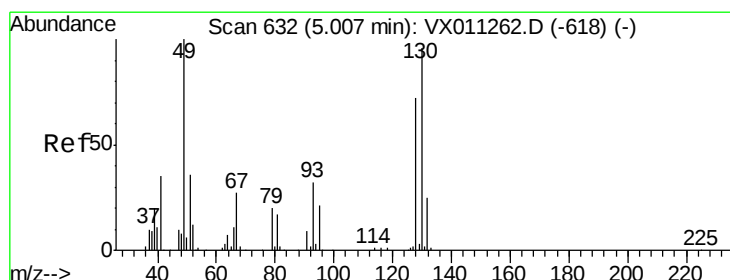
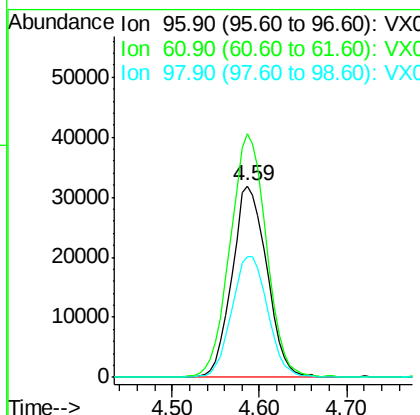
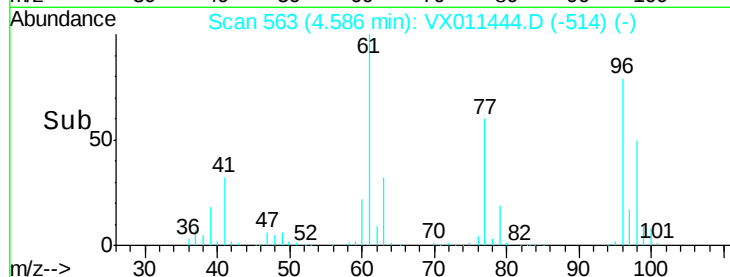
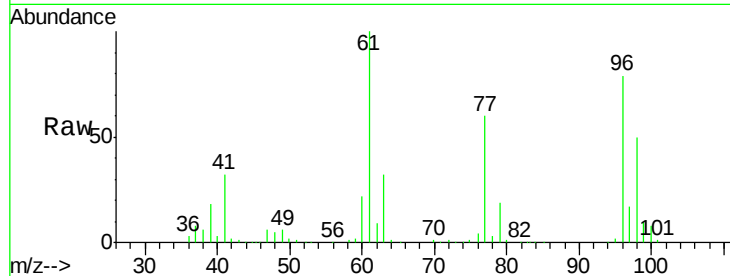
#27
 cis-1,2-Dichloroethene
 Concen: 50.506 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	88510		
61	132.7	0.0	260.2	
98	65.0	0.0	133.2	

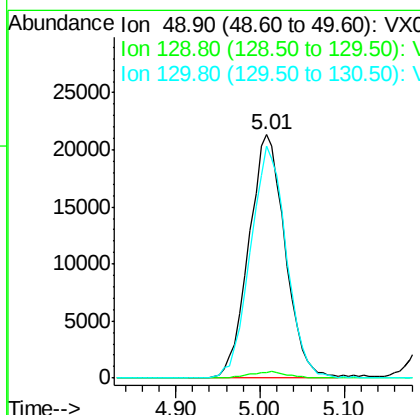
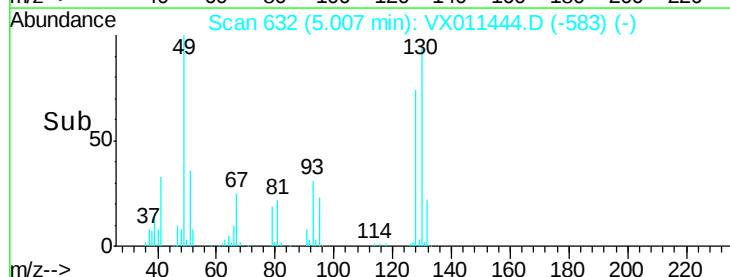
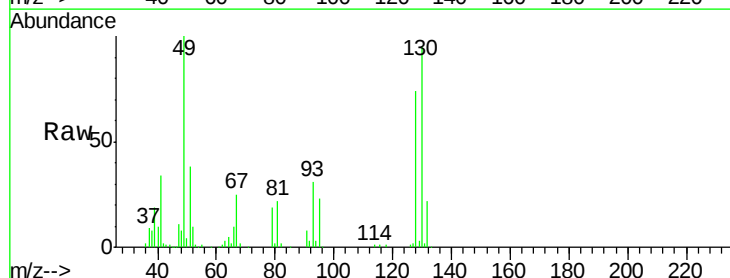
Manual Integrations
 APPROVED

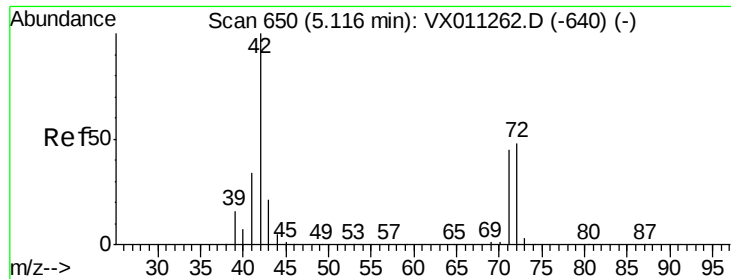
MMDadoda
 8/12/2019 10:30:15 AM



#28
 Bromochloromethane
 Concen: 55.308 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62656		
129	2.7	0.0	5.8	
130	94.5	77.9	116.9	





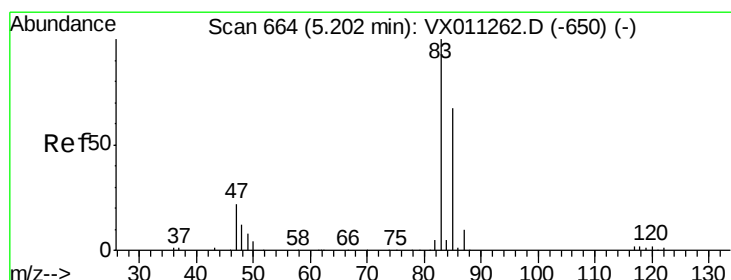
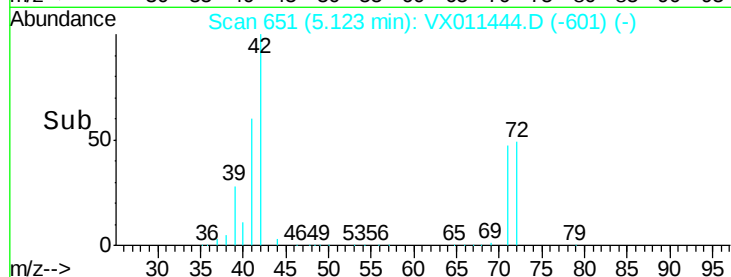
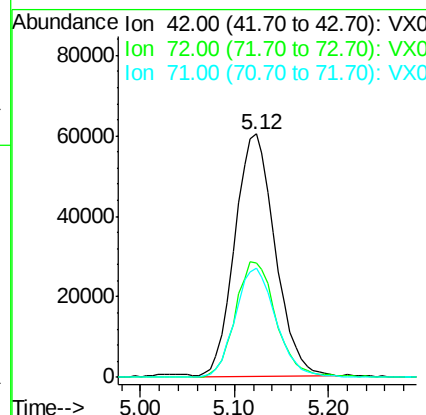
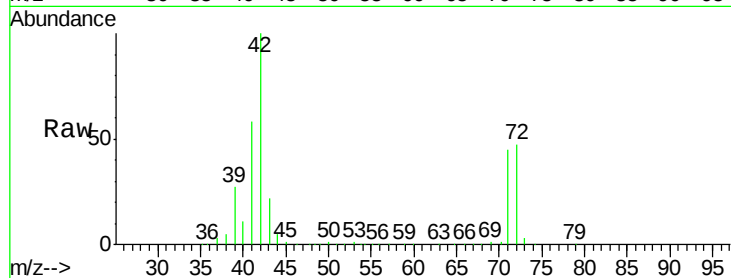
#29
Tetrahydrofuran
Concen: 271.531 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.9	59.9
71	45.8	36.9	55.3

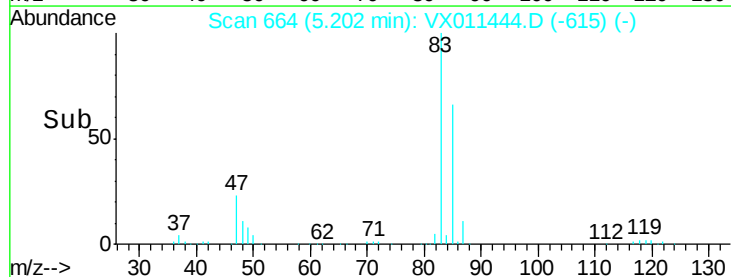
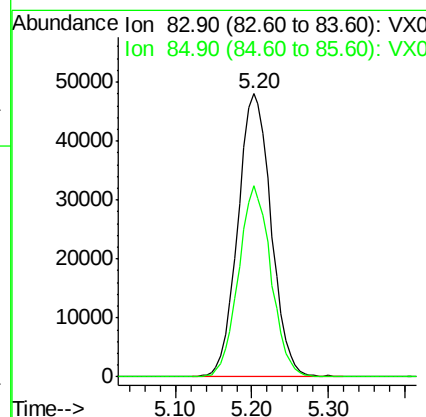
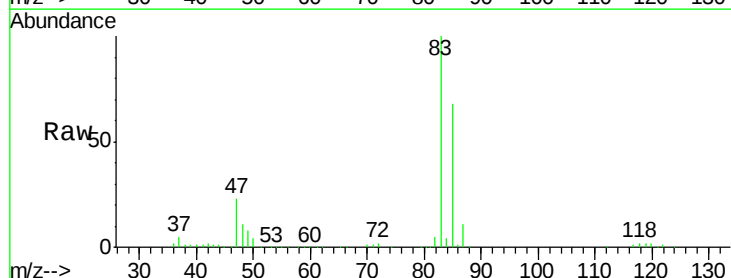
Manual Integrations
APPROVED

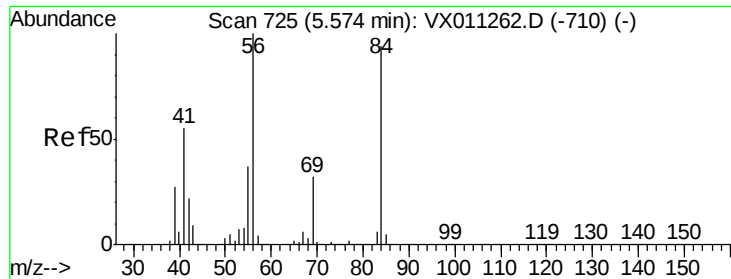
MMDadoda
8/12/2019 10:30:15 AM



#30
Chloroform
Concen: 53.678 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.4	80.0





#31

Cyclohexane

Concen: 48.644 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

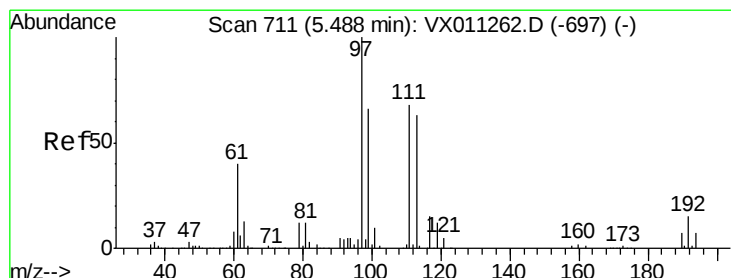
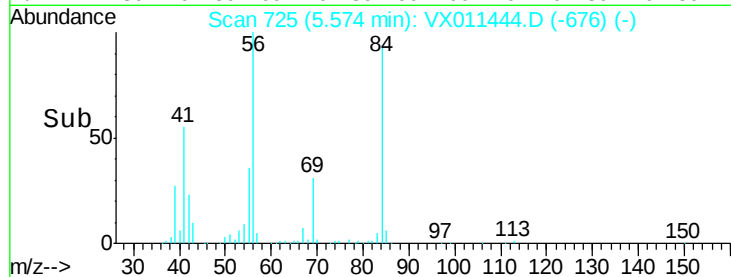
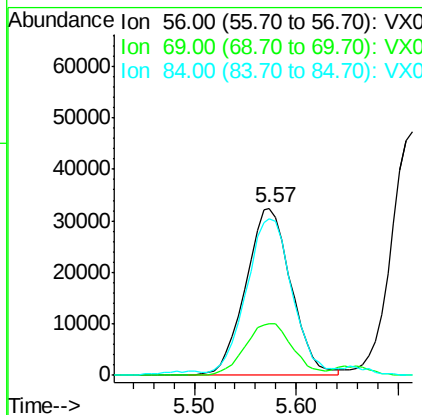
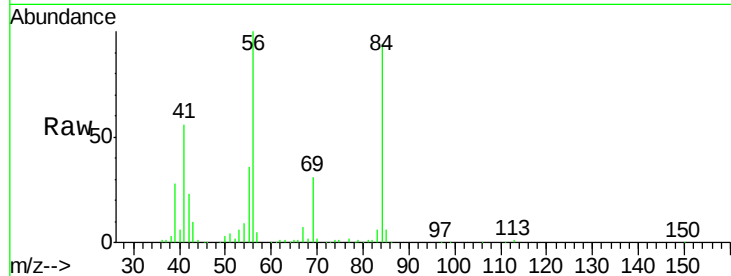
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	99727
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.5	38.3
84	91.5	75.0	112.4

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#32

1,1,1-Trichloroethane

Concen: 55.673 ug/l

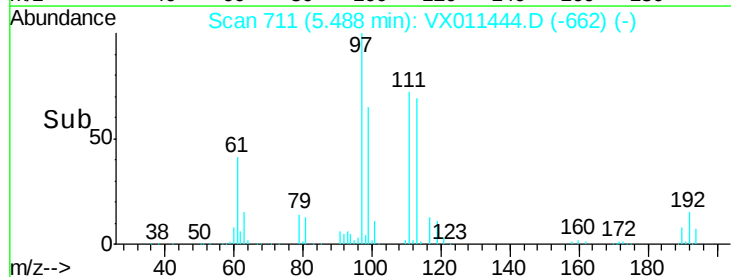
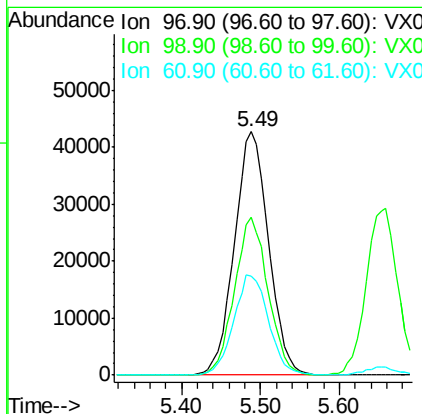
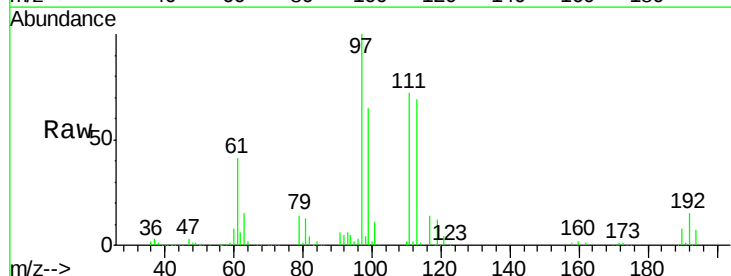
RT: 5.49 min Scan# 711

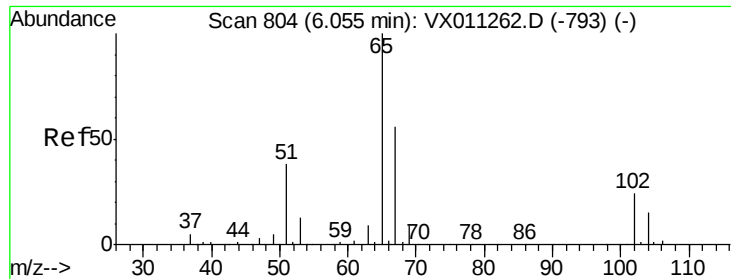
Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	97	Resp:	128807
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	42.0	32.3	48.5





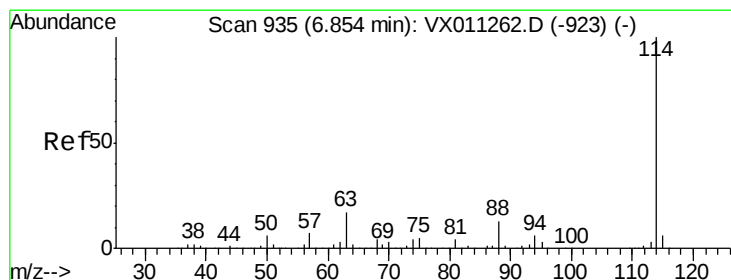
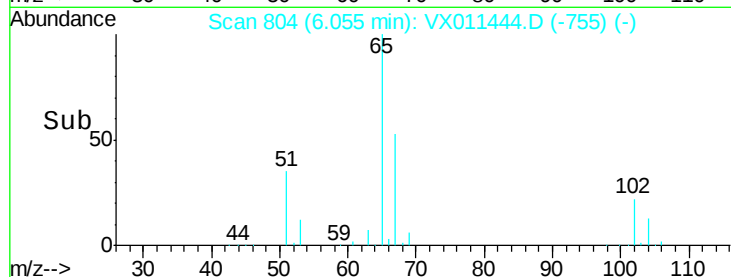
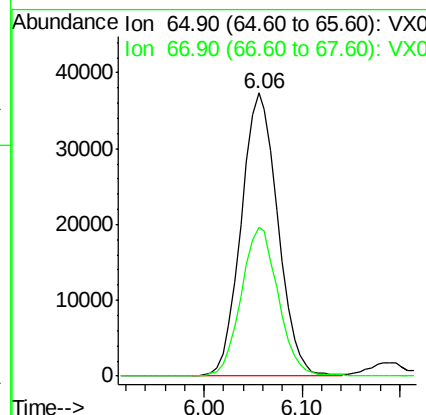
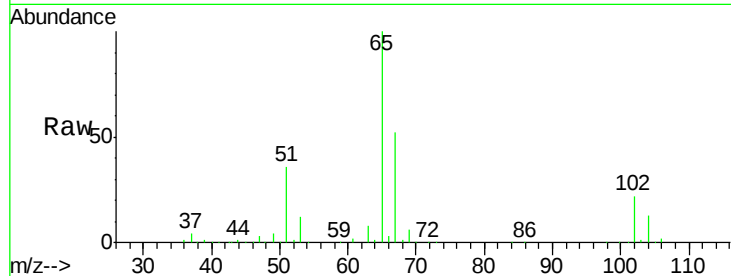
#33
 1,2-Dichloroethane-d4
 Concen: 61.088 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	110.6

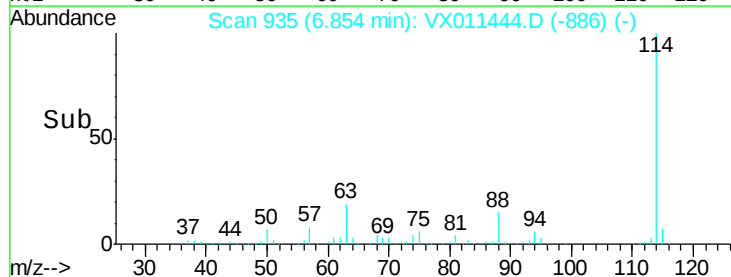
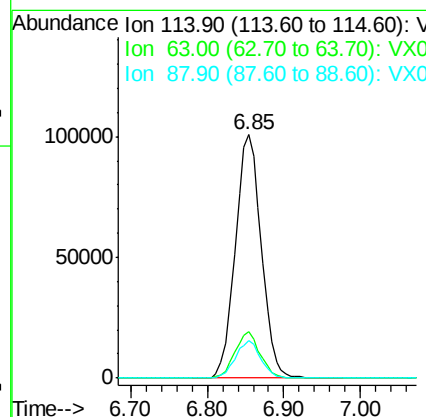
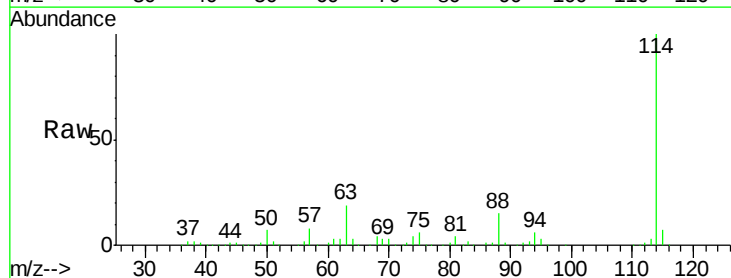
Manual Integrations
 APPROVED

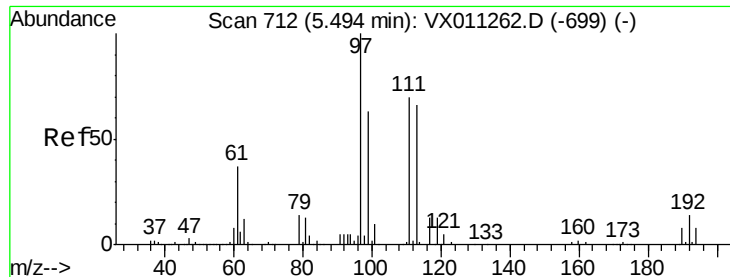
MMDadoda
 8/12/2019 10:30:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	34.0
88	15.3	0.0	26.4





#35

Dibromofluoromethane

Concen: 55.424 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

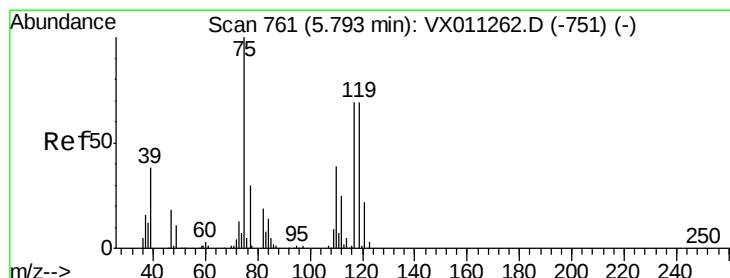
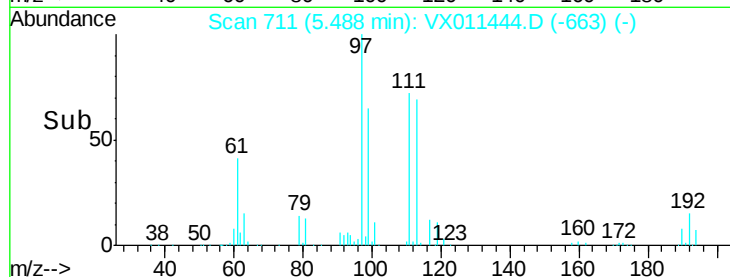
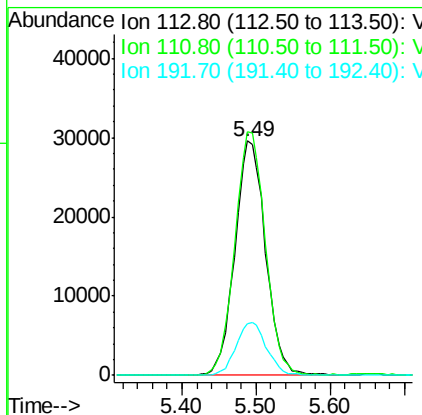
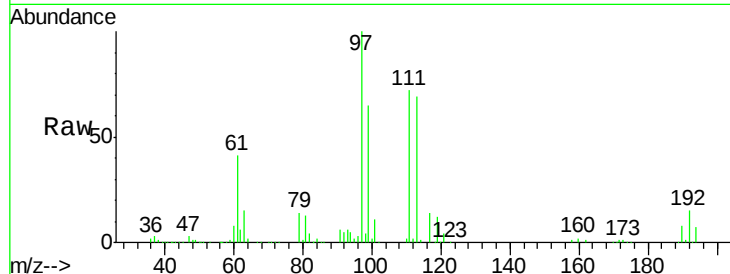
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	85523
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	22.3	17.8	26.8

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#36

1,1-Dichloropropene

Concen: 48.263 ug/l

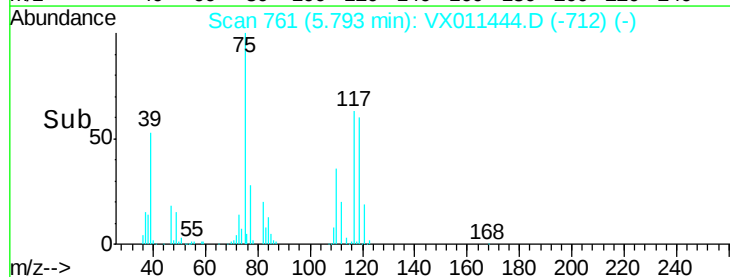
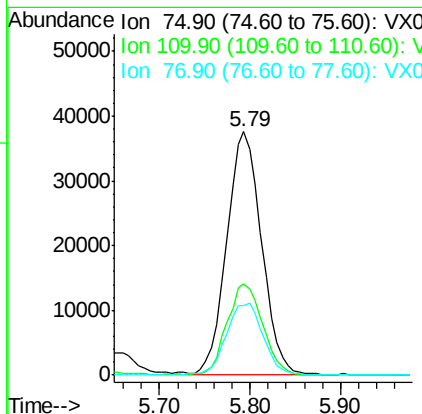
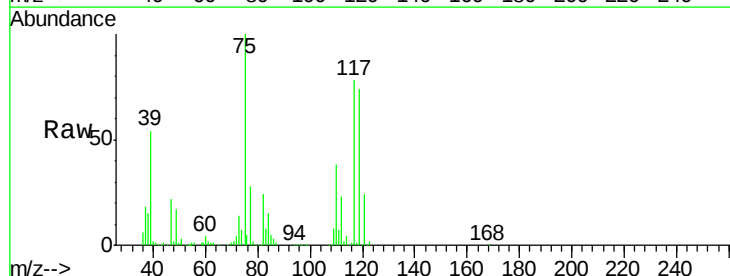
RT: 5.79 min Scan# 761

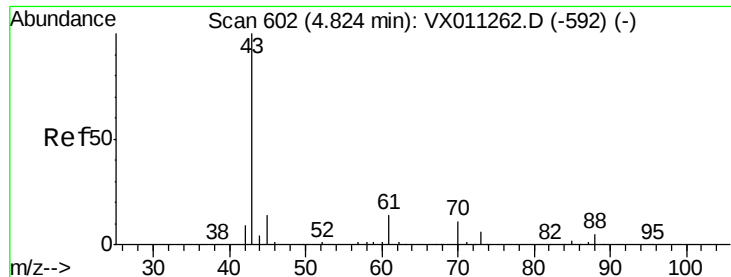
Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	75	Resp:	99594
Ion	Ratio	Lower	Upper
75	100		
110	39.0	20.0	59.9
77	31.2	24.8	37.2





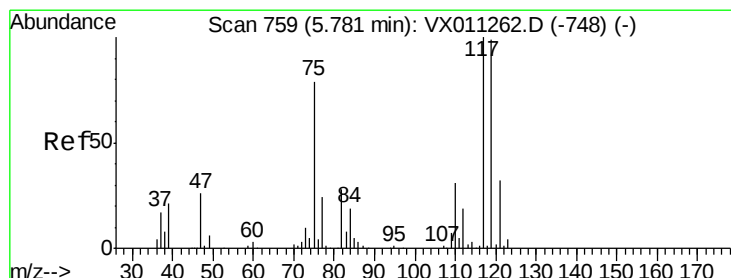
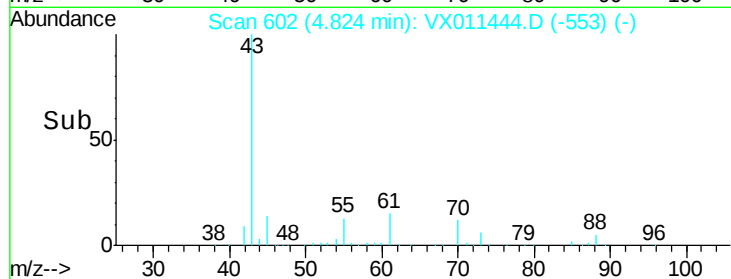
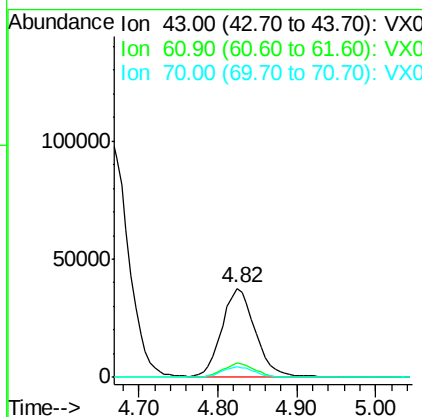
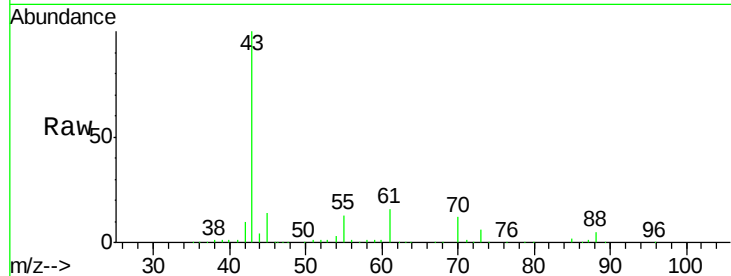
#37
Ethyl Acetate
Concen: 52.899 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.6	18.8
70	11.8	9.1	13.7

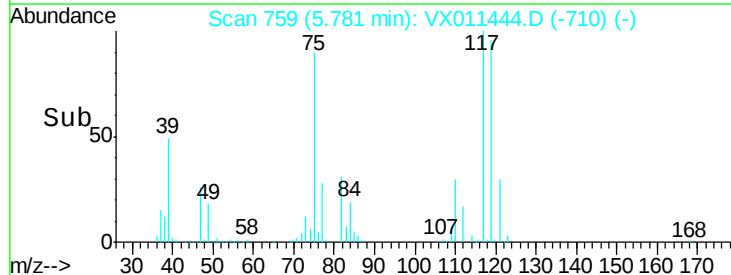
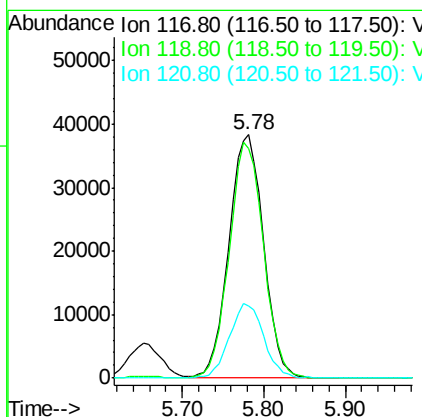
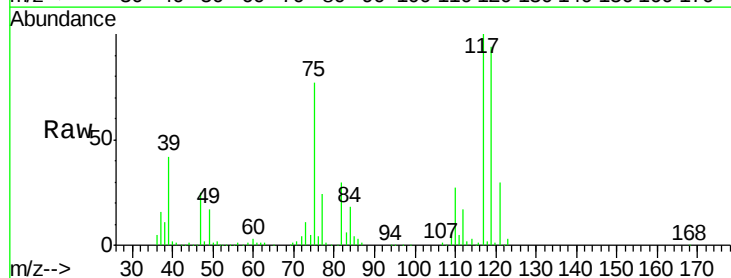
Manual Integrations
APPROVED

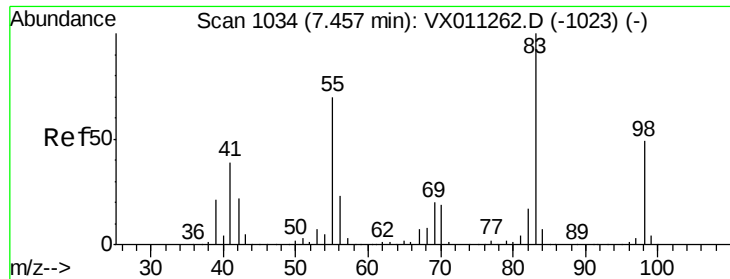
MMDadoda
8/12/2019 10:30:15 AM



#38
Carbon Tetrachloride
Concen: 54.247 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	79.0	118.4
121	29.8	25.9	38.9





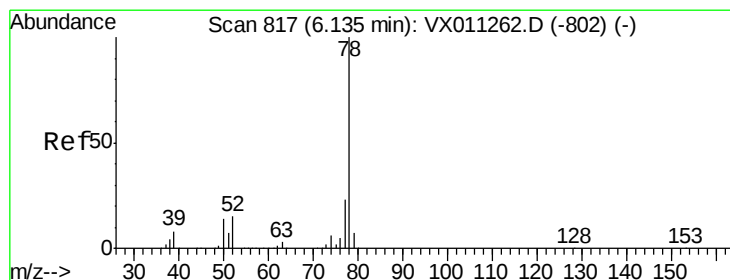
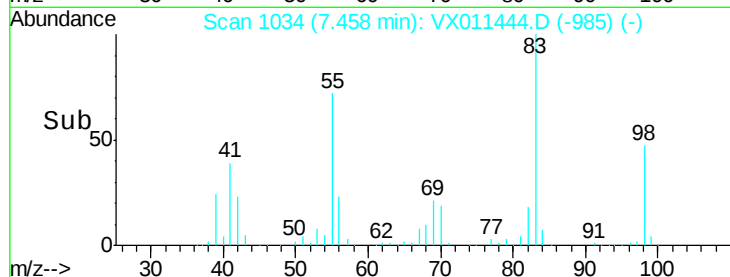
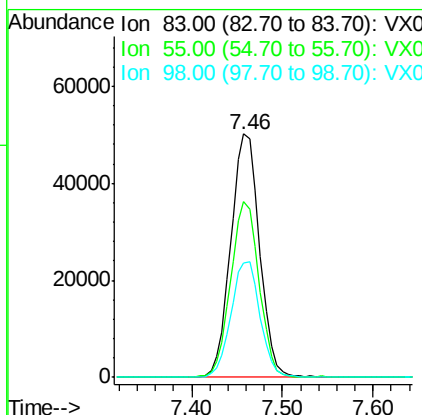
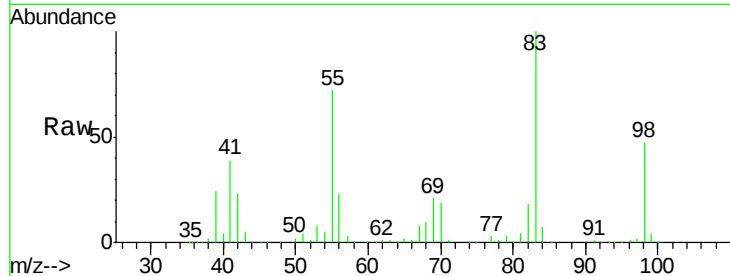
#39
Methvlcvclohexane
Concen: 45.164 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	56.1	84.1
98	47.1	39.0	58.4

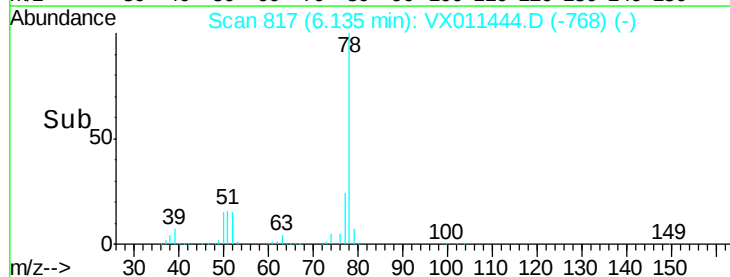
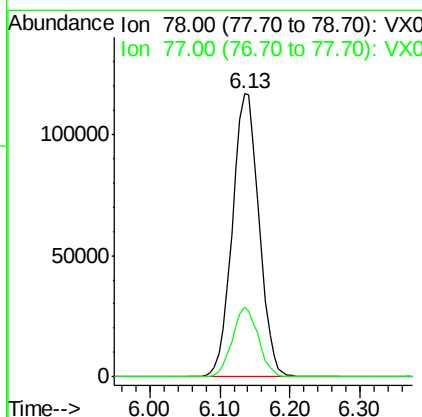
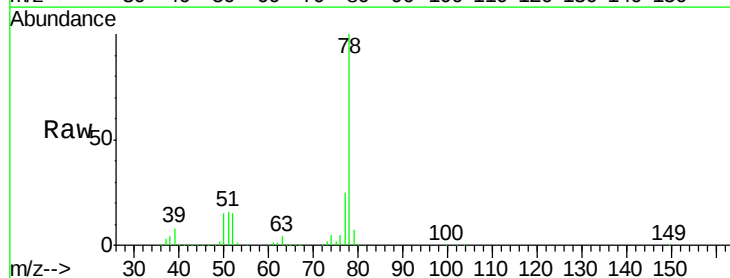
Manual Integrations
APPROVED

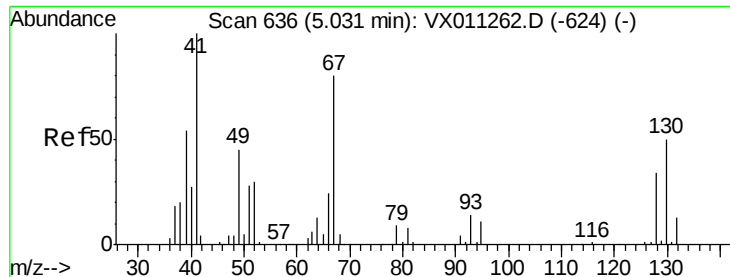
MMDadoda
8/12/2019 10:30:15 AM



#40
Benzene
Concen: 50.155 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.2	27.2





#41

Methacrylonitrile

Concen: 52.851 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

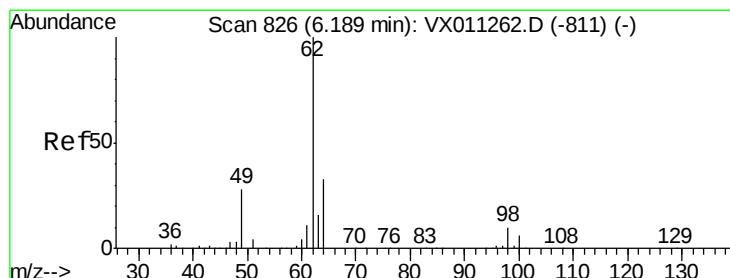
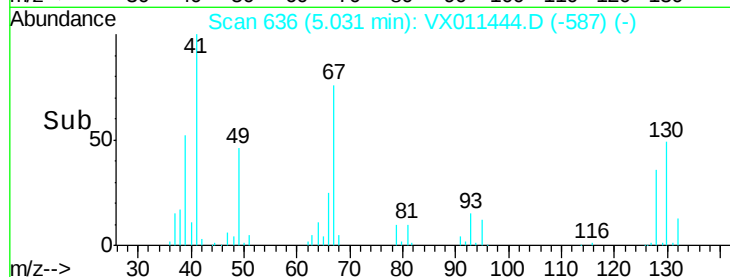
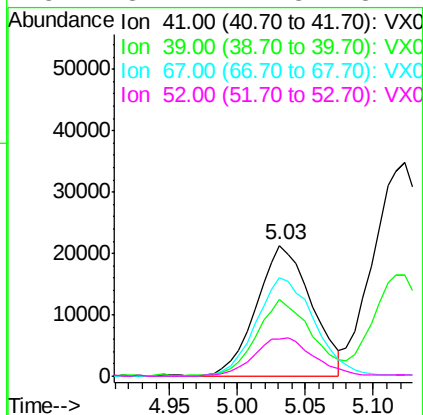
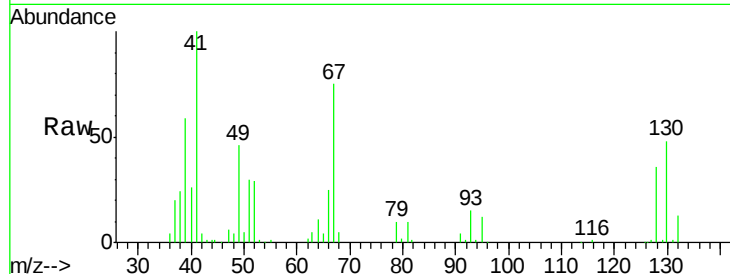
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	59745
Ion	Ratio	Lower	Upper
41	100		
39	59.0	43.0	64.6
67	81.0	65.1	97.7
52	32.7	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#42

1,2-Dichloroethane

Concen: 55.196 ug/l

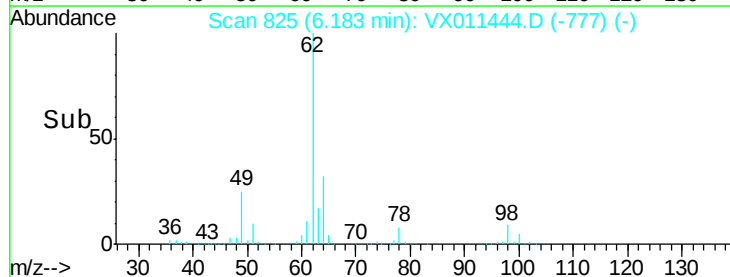
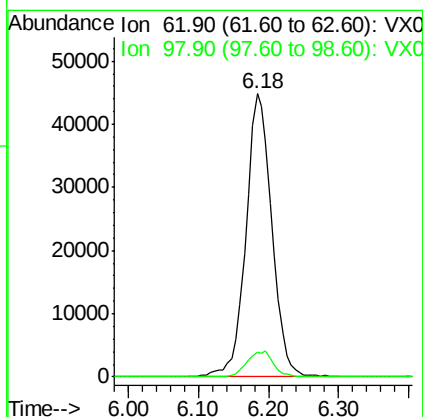
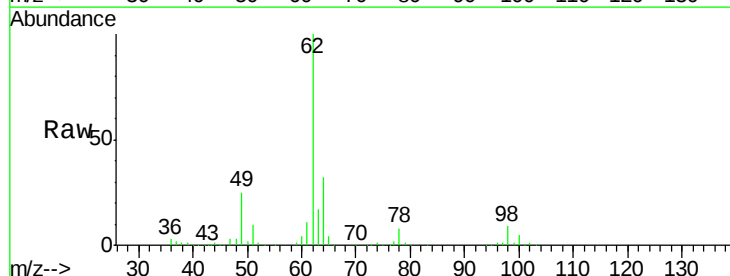
RT: 6.18 min Scan# 825

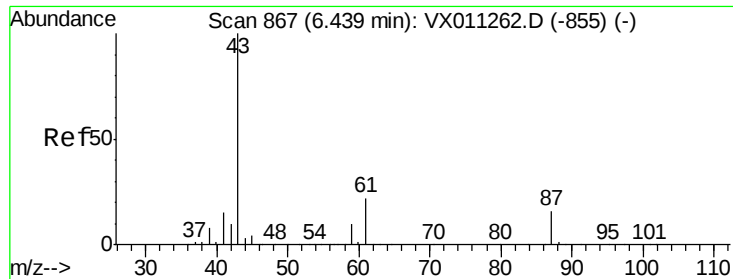
Delta R.T. -0.01 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	62	Resp:	114933
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 54.188 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

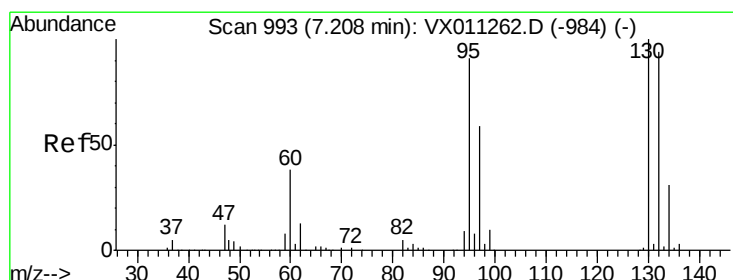
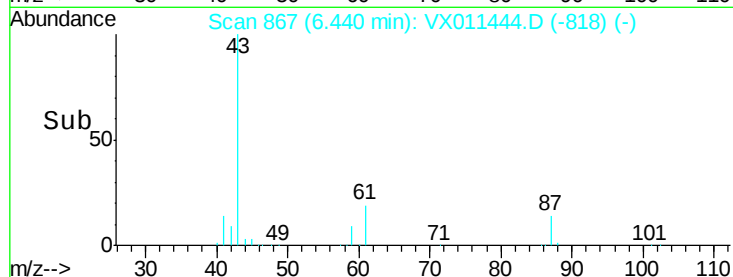
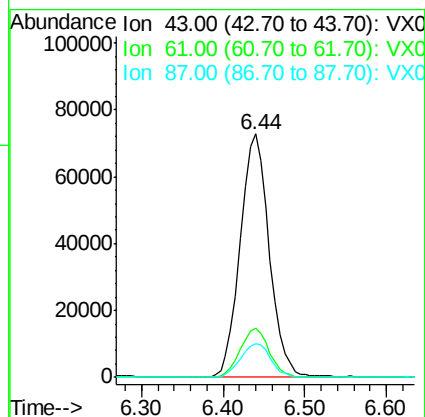
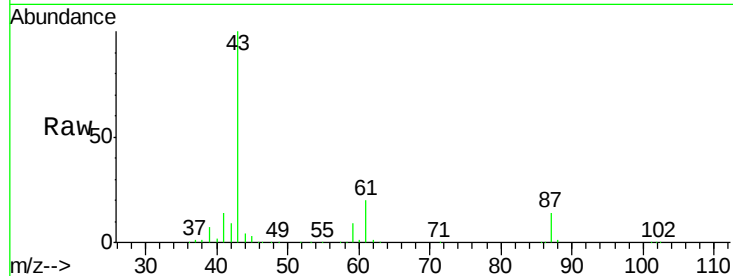
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179323
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.5	24.7
87	14.4	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#44

Trichloroethene

Concen: 47.289 ug/l

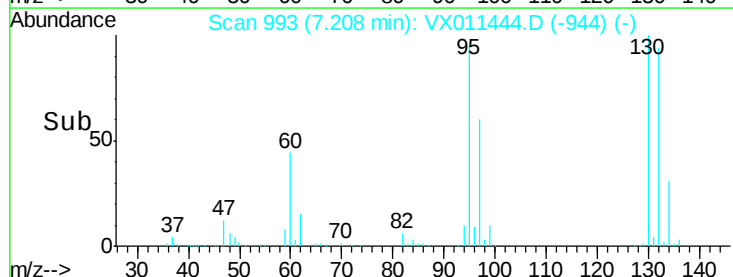
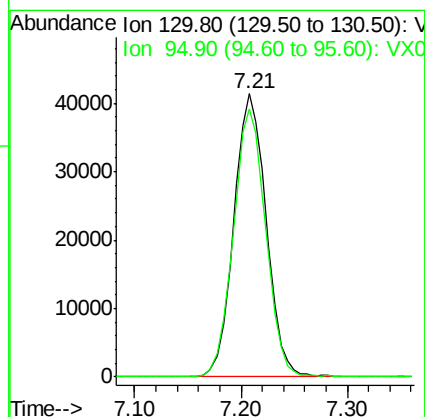
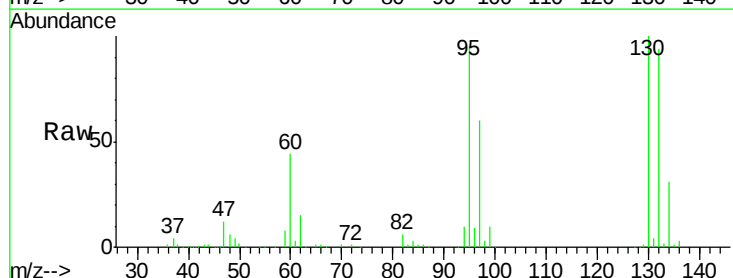
RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	130	Resp:	88142
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	182.6





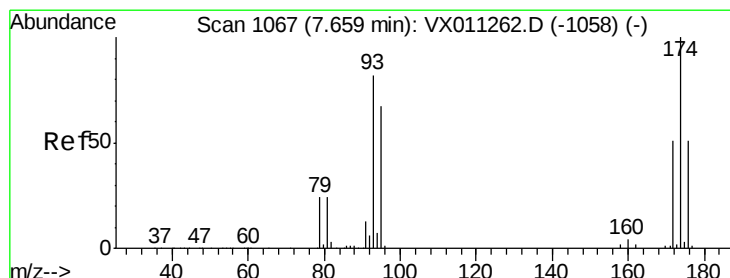
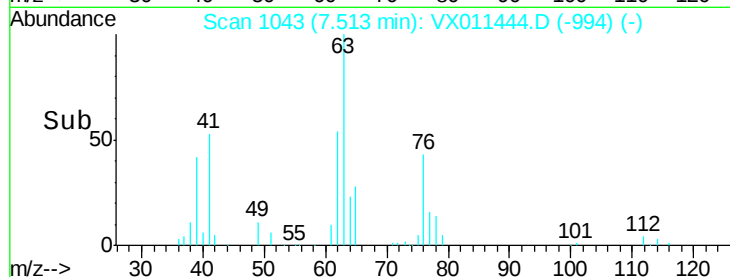
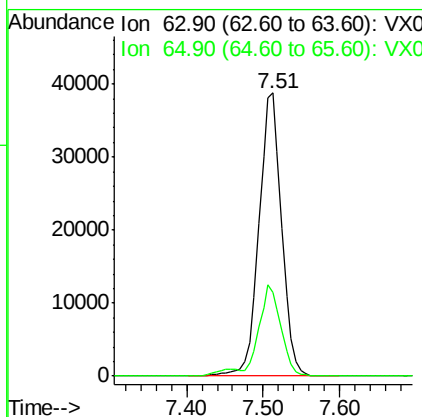
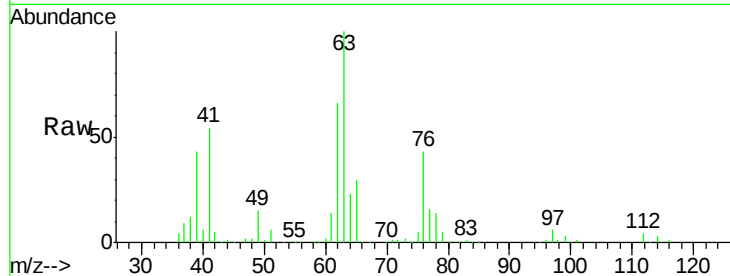
#45
 1,2-Dichloropropane
 Concen: 50.329 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 80263
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.3 34.9

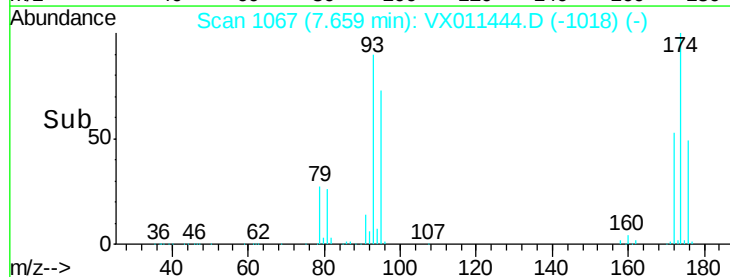
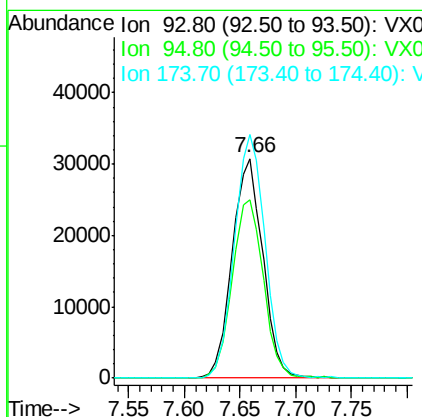
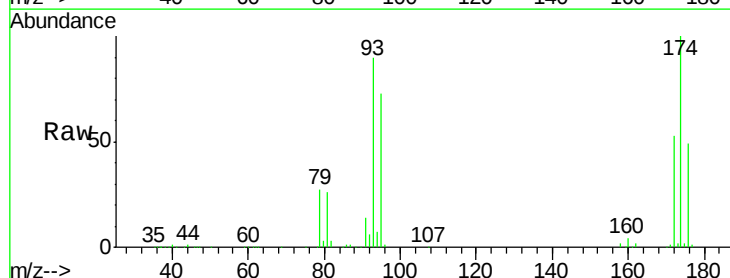
Manual Integrations
 APPROVED

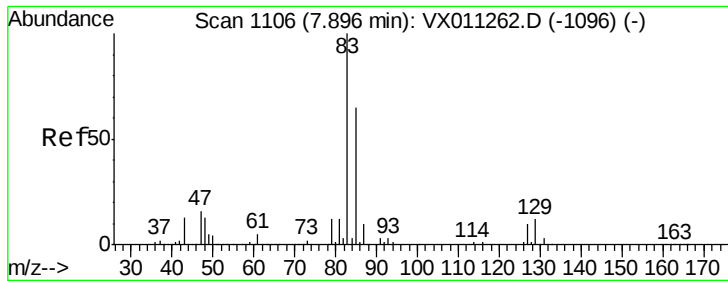
MMDadoda
 8/12/2019 10:30:15 AM



#46
 Dibromomethane
 Concen: 50.520 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion: 93 Resp: 58815
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.4 99.6
 174 110.4 93.4 140.2





#47

Bromodichloromethane

Concen: 55.801 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

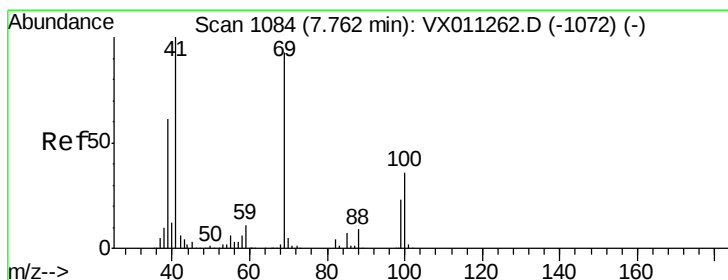
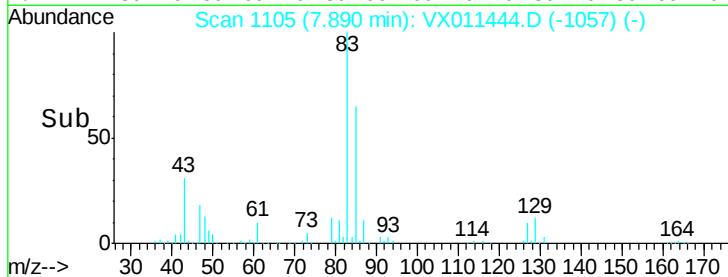
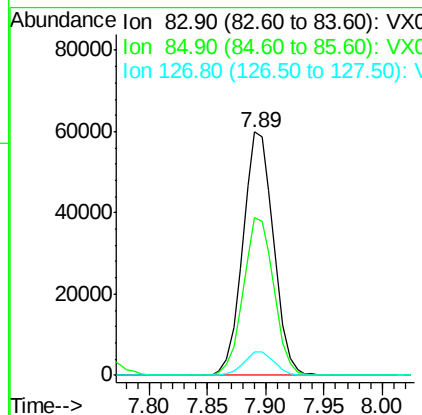
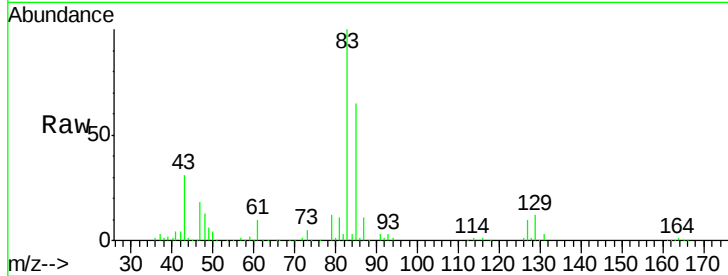
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	109989
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2
127	9.7	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#48

Methyl methacrylate

Concen: 57.204 ug/l

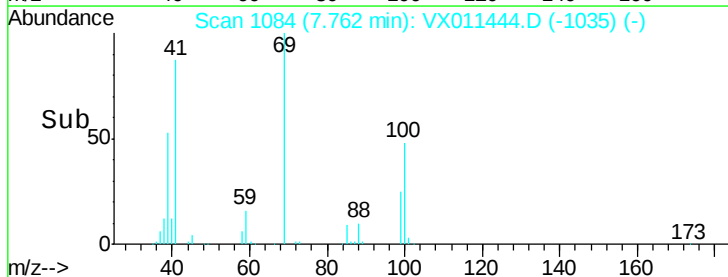
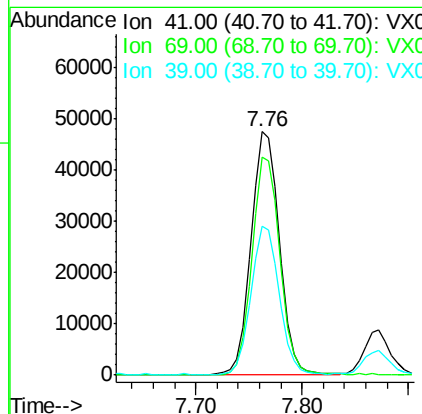
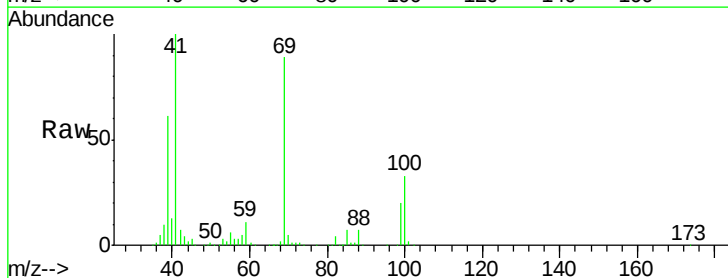
RT: 7.76 min Scan# 1084

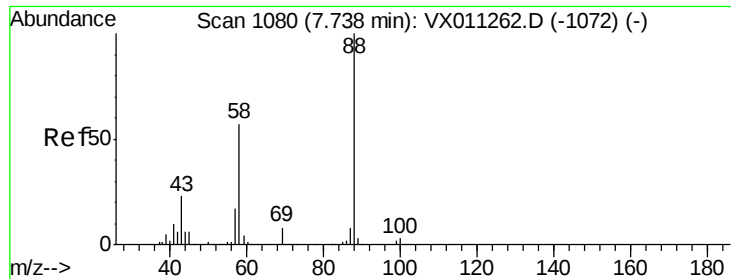
Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	41	Resp:	89089
Ion	Ratio	Lower	Upper
41	100		
69	88.4	74.5	111.7
39	60.3	48.6	72.8





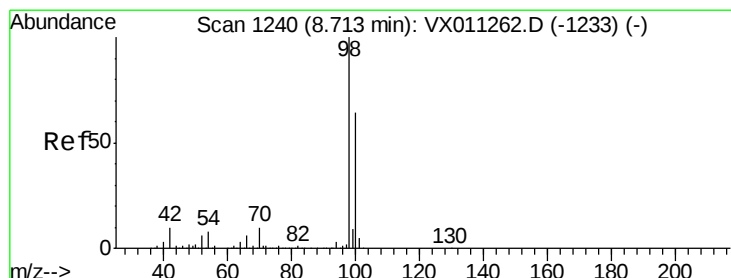
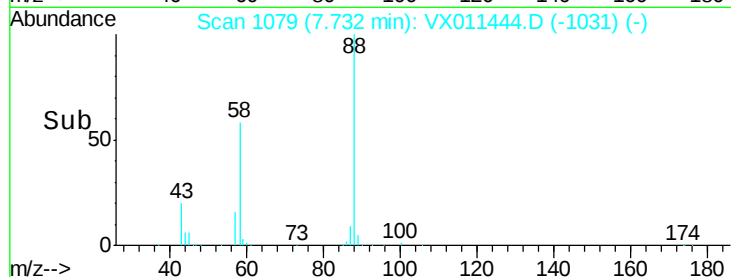
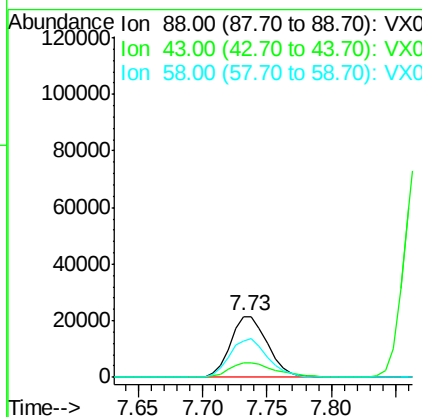
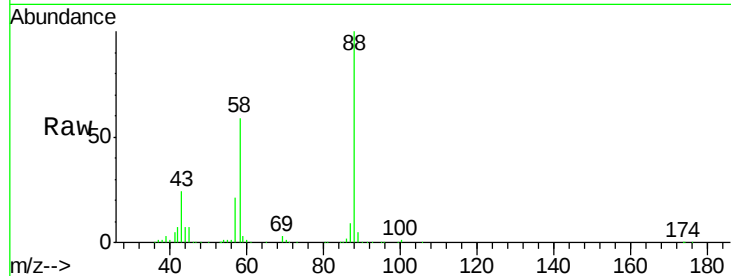
#49
1,4-Dioxane
Concen: 952.086 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
88	88	100	42987		
43	43	29.6		22.2	33.2
58	58	66.0		47.8	71.8

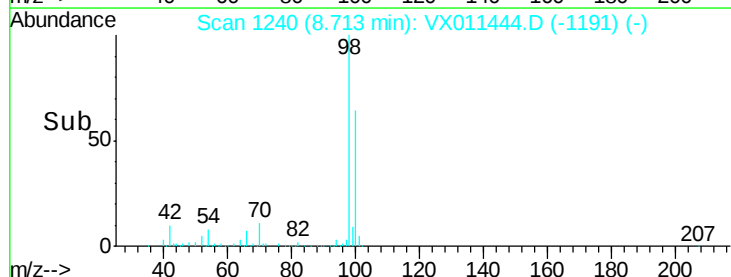
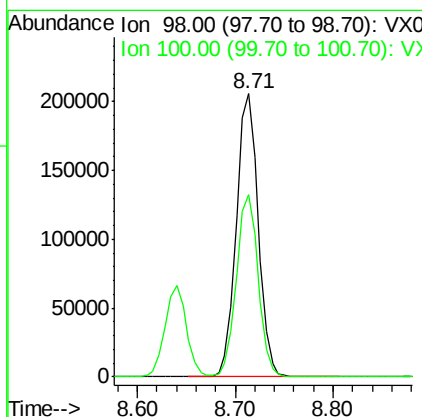
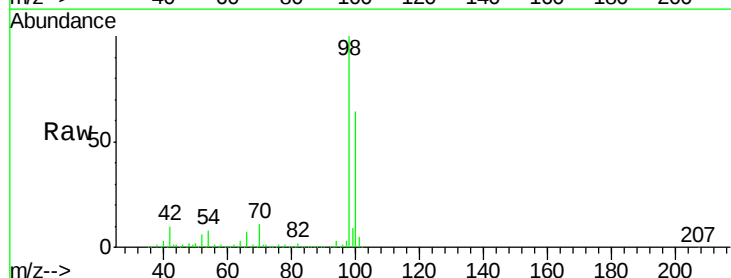
Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#50
Toluene-d8
Concen: 54.794 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	98	100	319158		
100	100	64.4		51.7	77.5





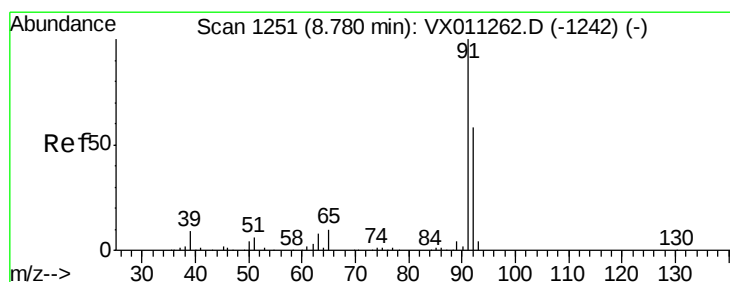
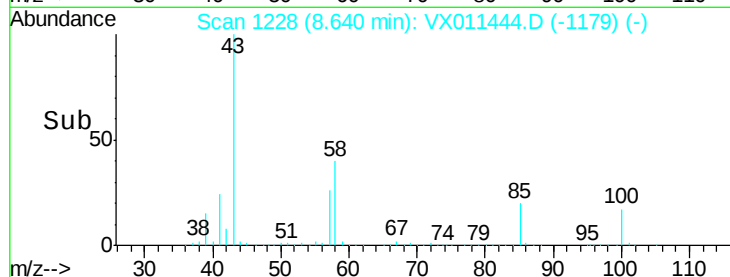
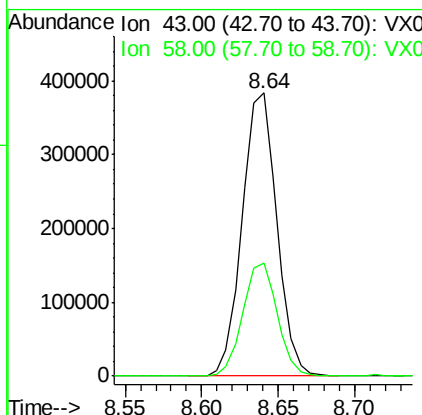
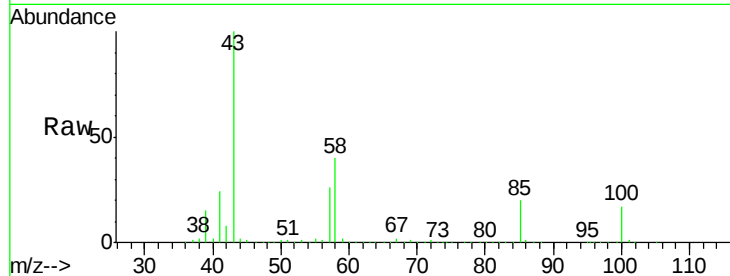
#51
4-Methyl-2-Pentanone
Concen: 282.497 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 603326
Ion Ratio Lower Upper
43 100
58 39.7 32.3 48.5

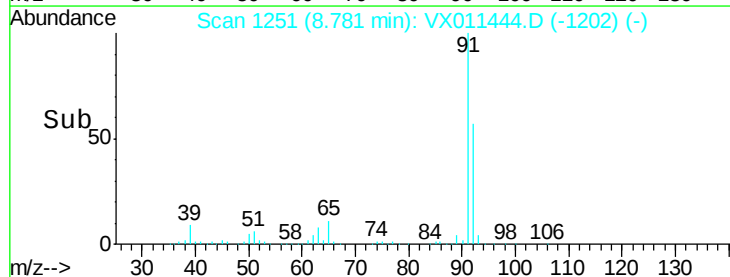
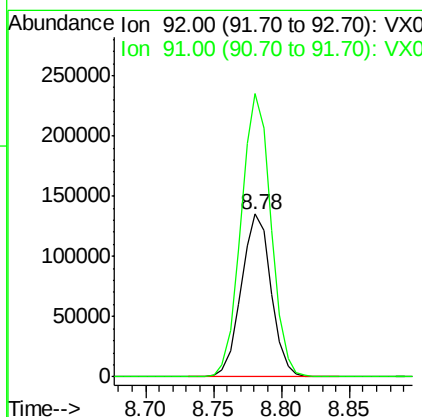
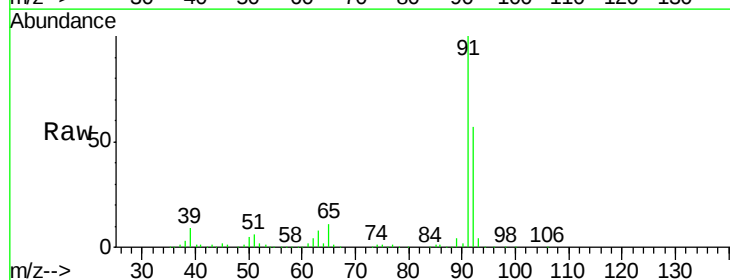
Manual Integrations
APPROVED

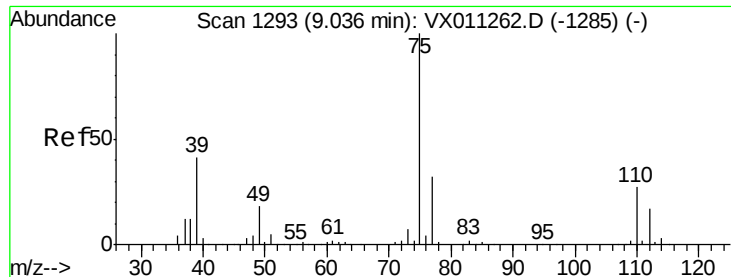
MMDadoda
8/12/2019 10:30:15 AM



#52
Toluene
Concen: 50.751 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion: 92 Resp: 206625
Ion Ratio Lower Upper
92 100
91 174.8 139.4 209.0





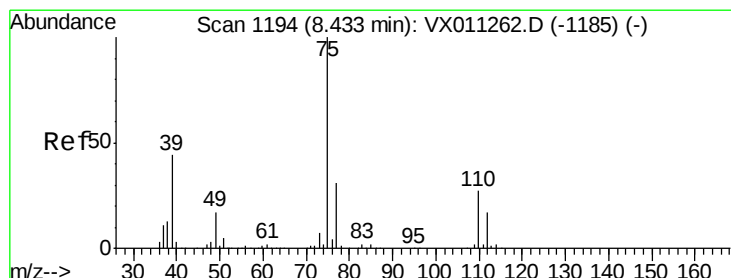
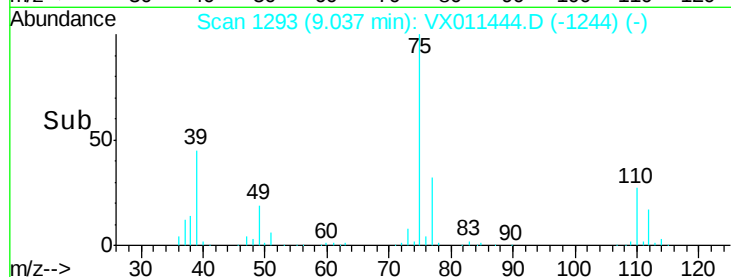
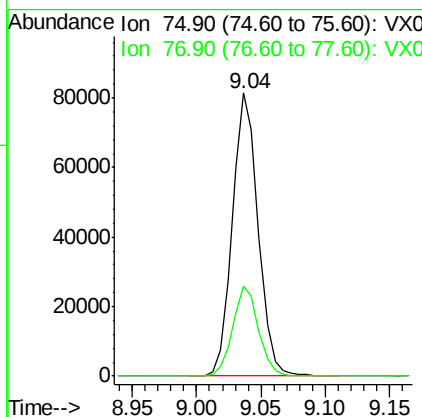
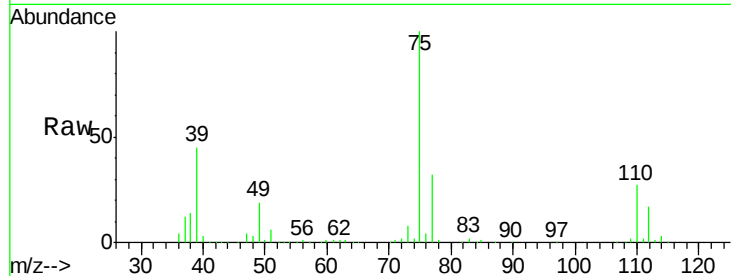
#53
 t-1,3-Dichloropropene
 Concen: 49.478 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 113506
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0

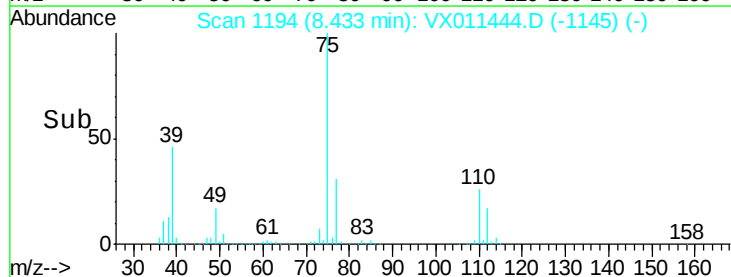
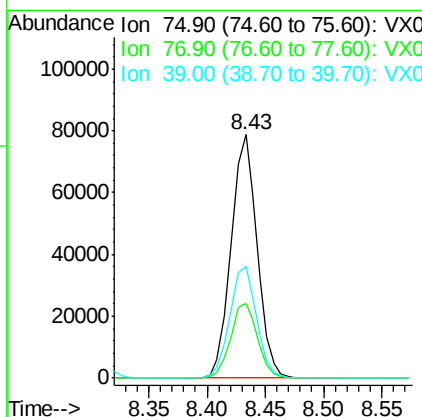
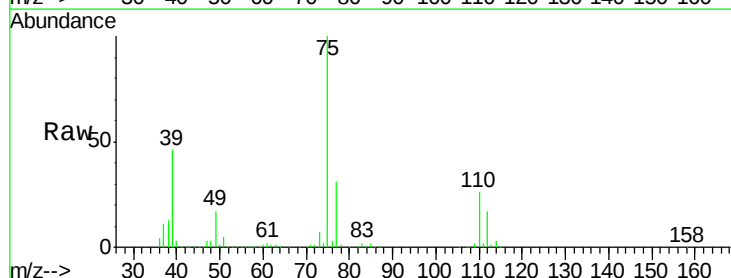
Manual Integrations
 APPROVED

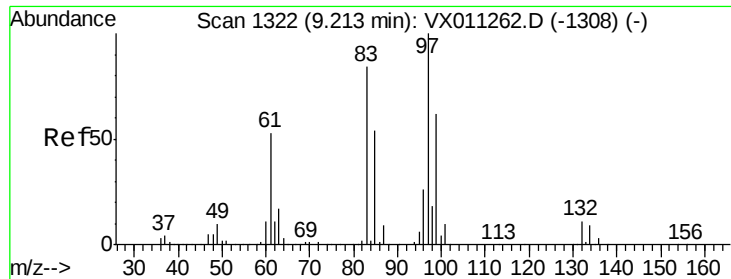
MMDadoda
 8/12/2019 10:30:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.220 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion: 75 Resp: 122537
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.6
 39 45.8 35.3 52.9





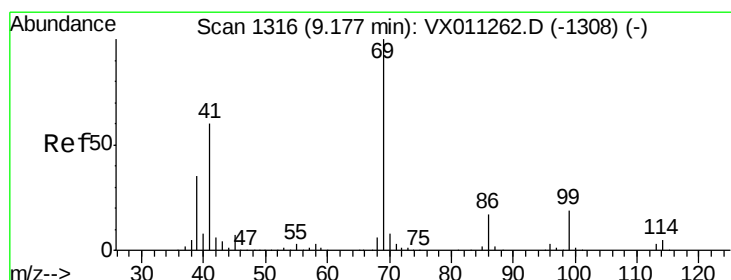
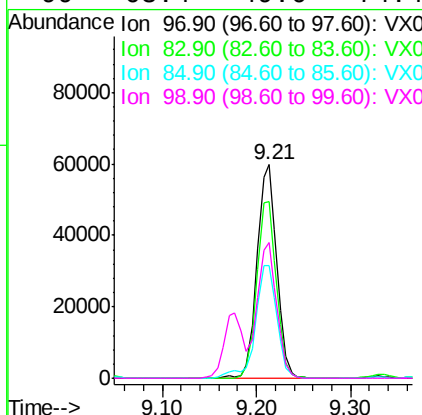
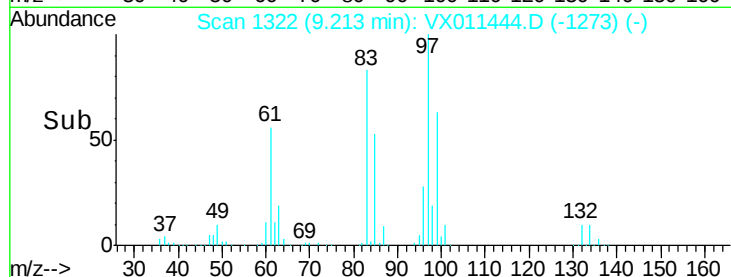
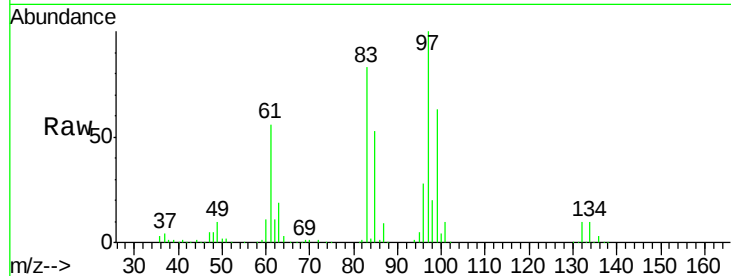
#55
 1,1,2-Trichloroethane
 Concen: 53.022 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88756
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.6	101.4
85	52.9	43.4	65.0
99	63.4	49.6	74.4

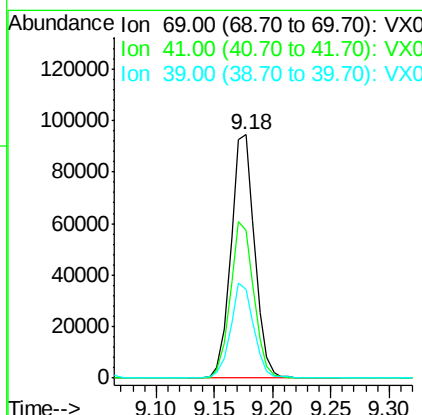
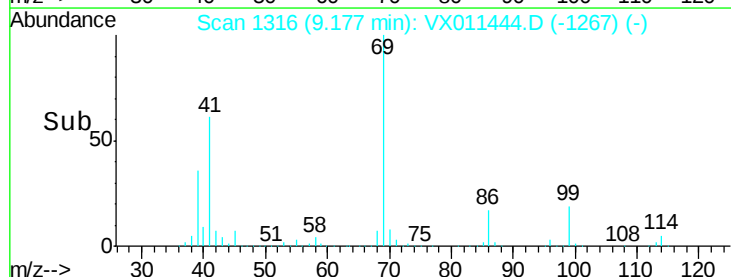
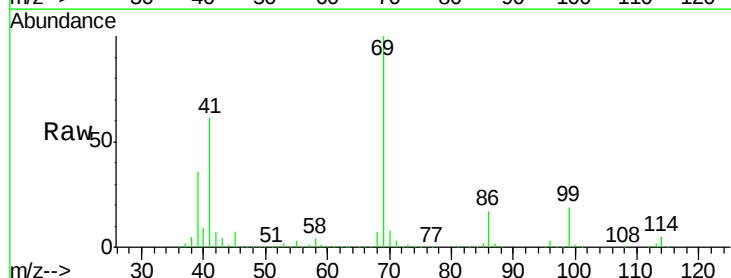
Manual Integrations
 APPROVED

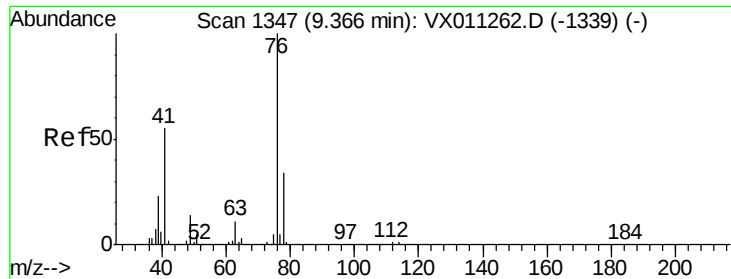
MMDadoda
 8/12/2019 10:30:15 AM



#56
 Ethyl methacrylate
 Concen: 56.110 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion:	69	Resp:	133851
Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.6	73.0
39	37.7	29.4	44.2





#57

1,3-Dichloropropane

Concen: 52.660 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 139409

Ion Ratio Lower Upper

76 100

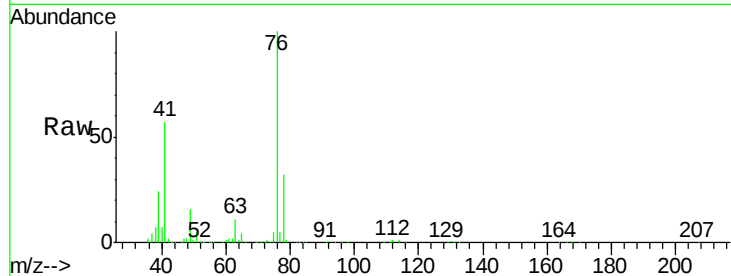
78 31.9 26.6 40.0

Manual Integrations

APPROVED

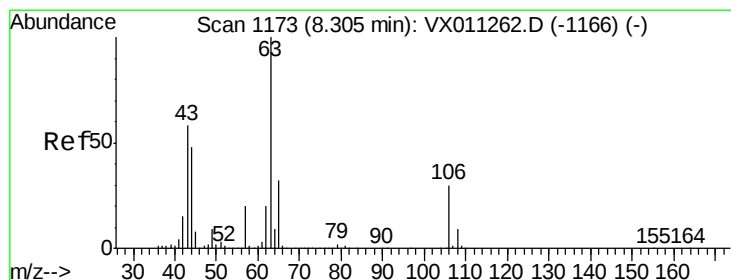
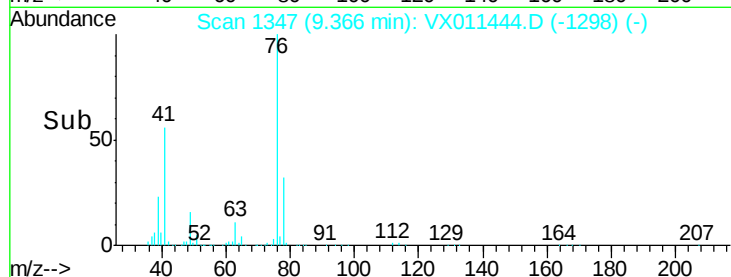
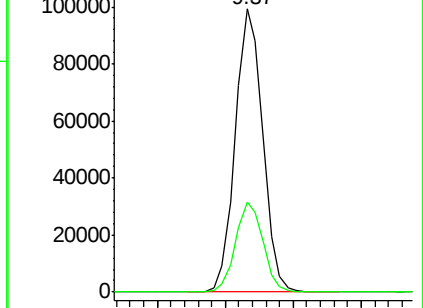
MMDadoda

8/12/2019 10:30:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 263.568 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011444.D

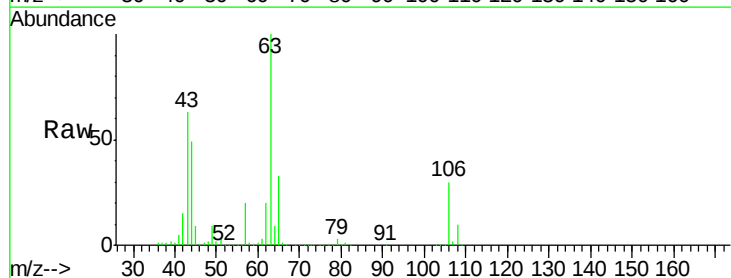
Acq: 11 Aug 2019 20:08

Tgt Ion: 63 Resp: 309145

Ion Ratio Lower Upper

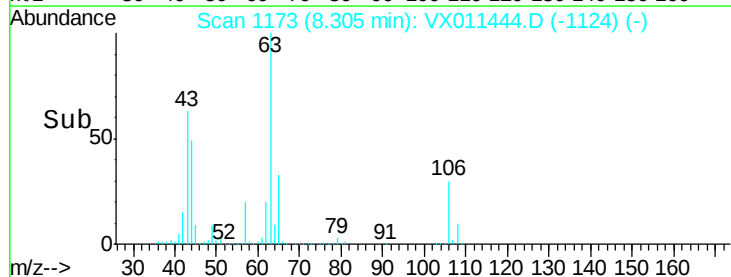
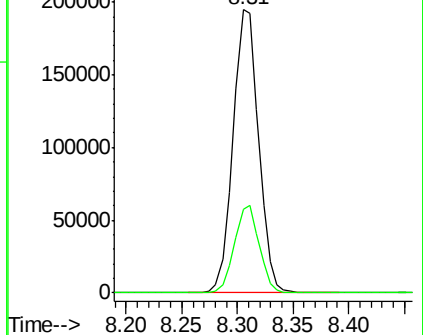
63 100

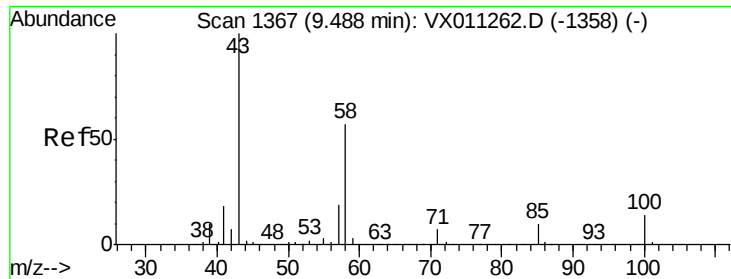
106 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





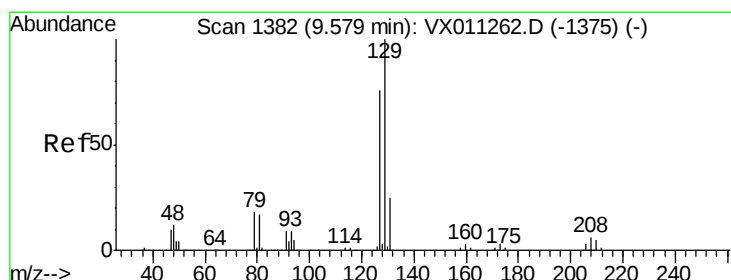
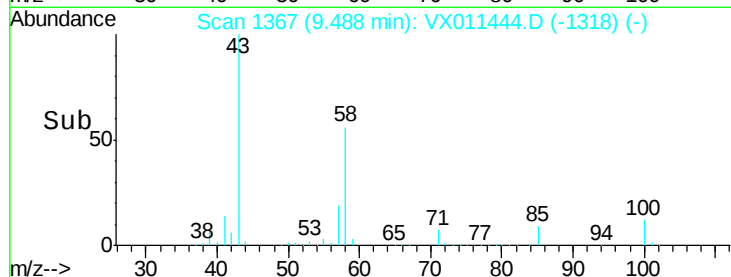
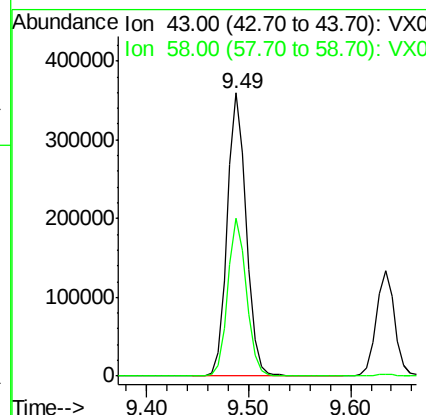
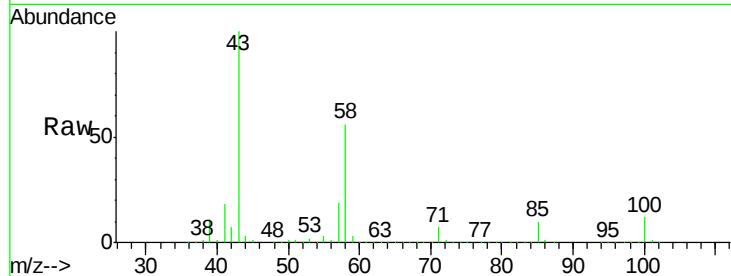
#59
2-Hexanone
Concen: 281.750 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	28.2	84.6

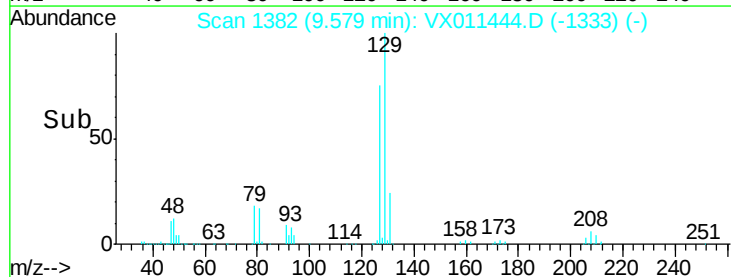
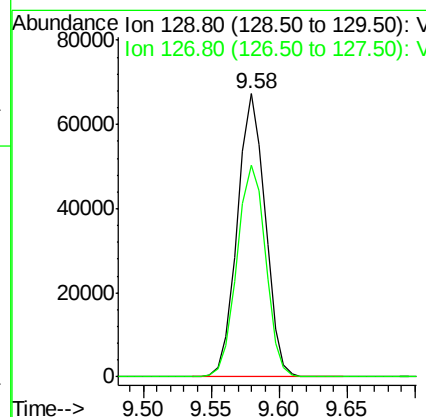
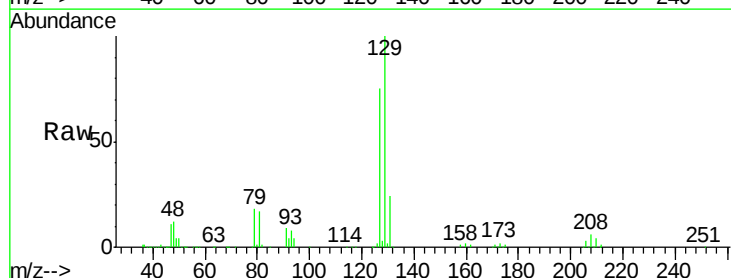
Manual Integrations
APPROVED

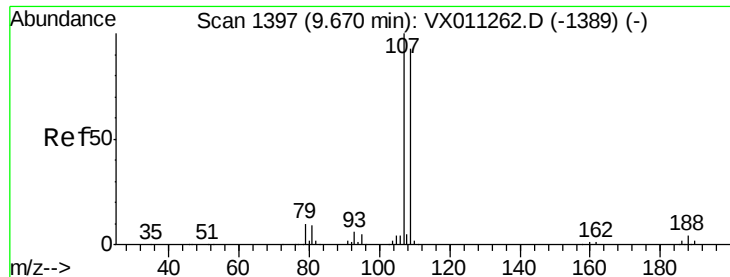
MMDadoda
8/12/2019 10:30:15 AM



#60
Dibromochloromethane
Concen: 56.235 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.2	117.6





#61

1,2-Dibromoethane

Concen: 52.868 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 95615

Ion Ratio Lower Upper

107 100

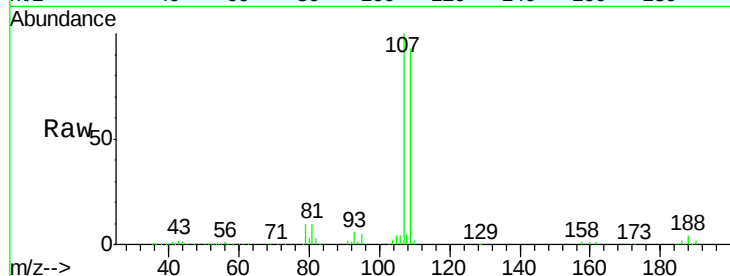
109 94.5 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:15 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

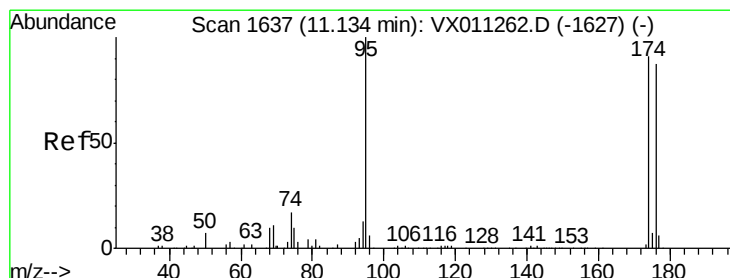
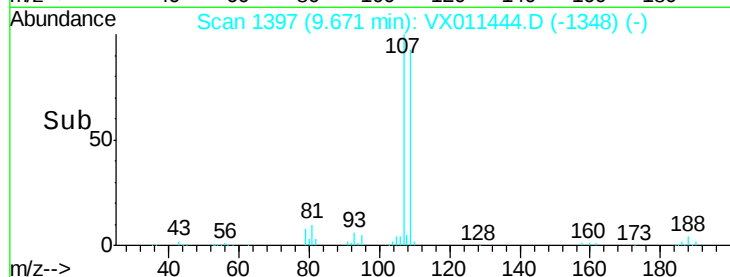
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 57.832 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

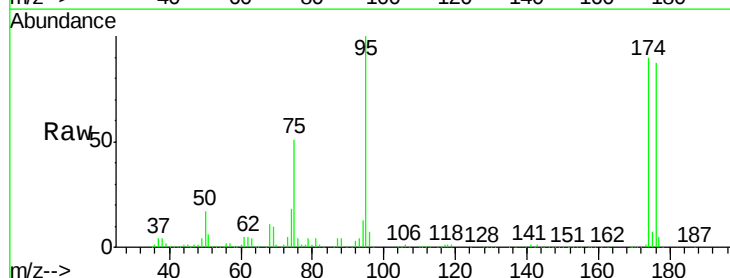
Tgt Ion: 95 Resp: 120266

Ion Ratio Lower Upper

95 100

174 90.1 0.0 191.2

176 88.2 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

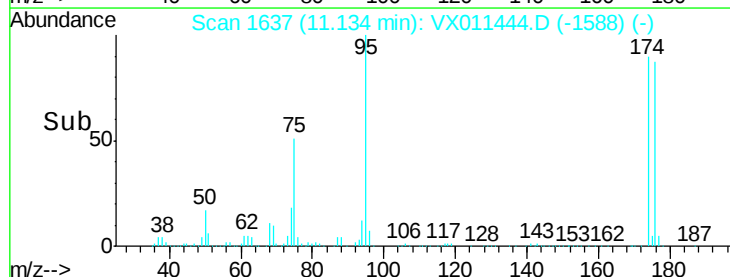
40000

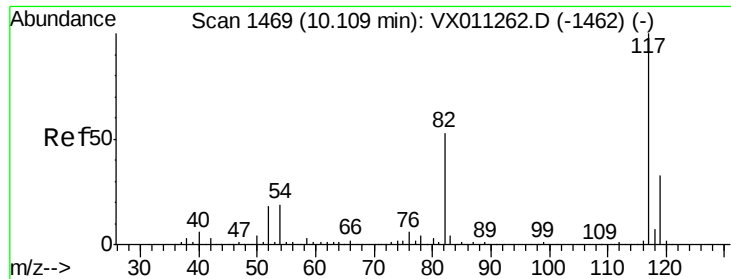
20000

0

Time-->

11.05 11.10 11.15 11.20





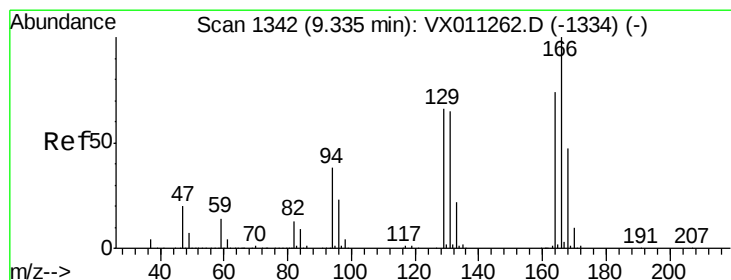
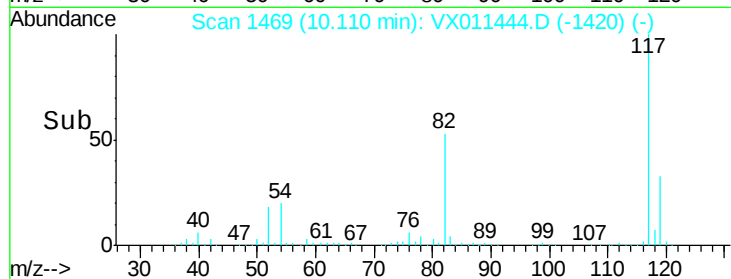
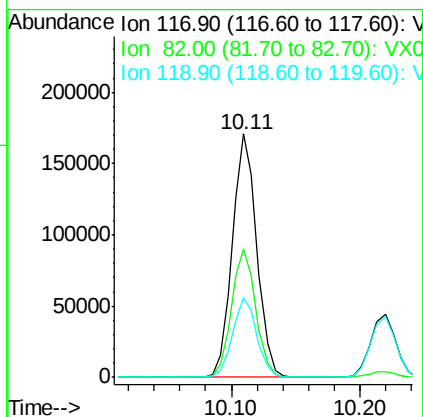
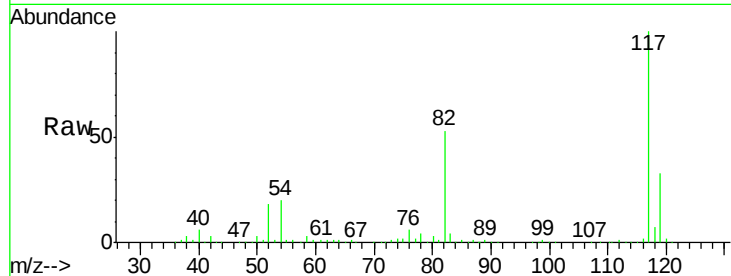
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.2
119	32.6	26.6	39.8

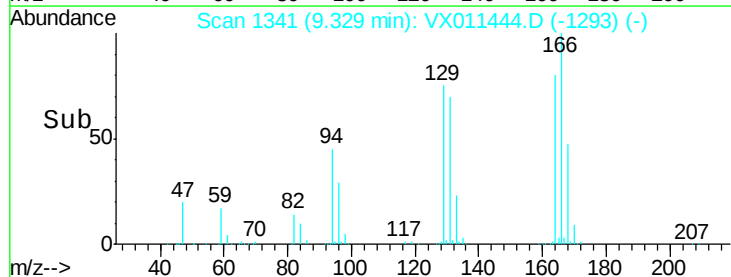
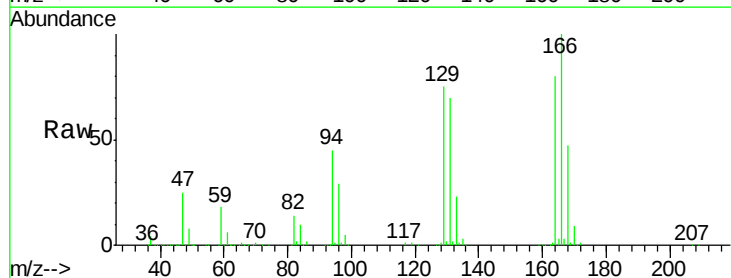
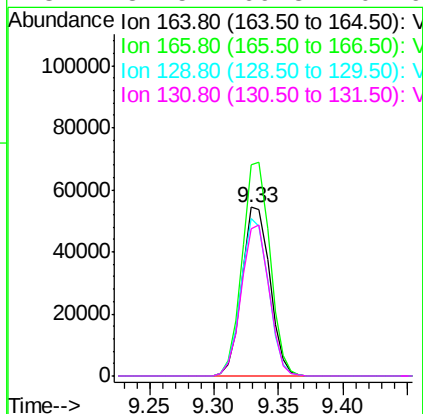
Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#64
Tetrachloroethene
Concen: 42.602 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	107.5	161.3
129	93.6	71.0	106.4
131	87.5	69.8	104.6





#65

Chlorobenzene

Concen: 48.539 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 234599

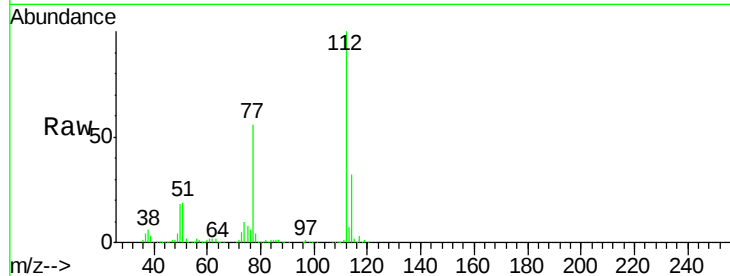
Ion Ratio Lower Upper

112 100

114 32.2 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

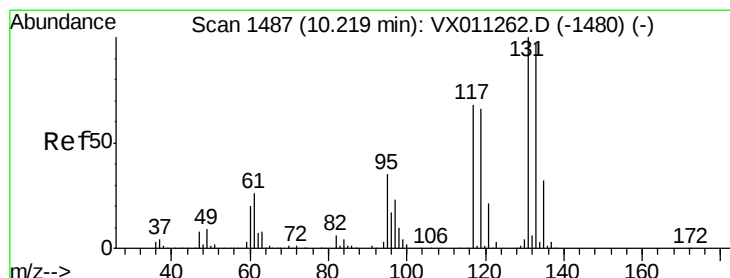
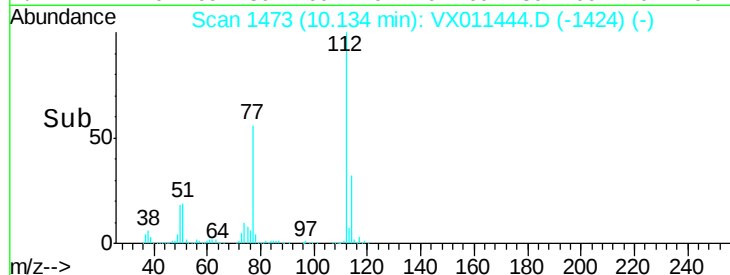
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.301 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

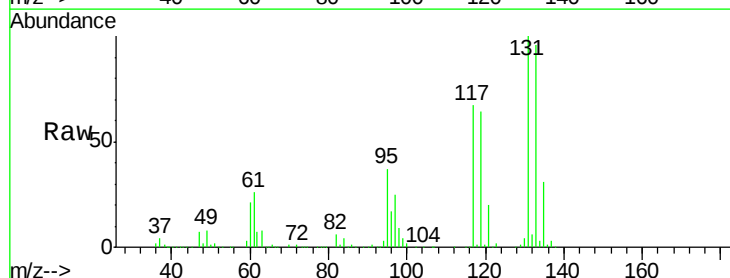
Tgt Ion:131 Resp: 89850

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 63.8 32.8 98.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

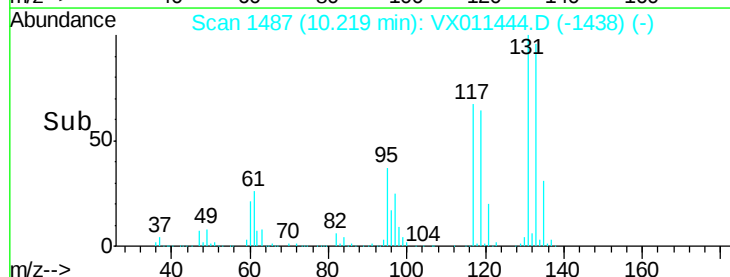
60000

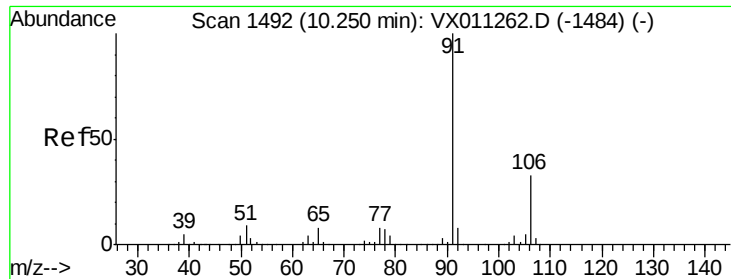
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 50.527 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 408980

Ion Ratio Lower Upper

91 100

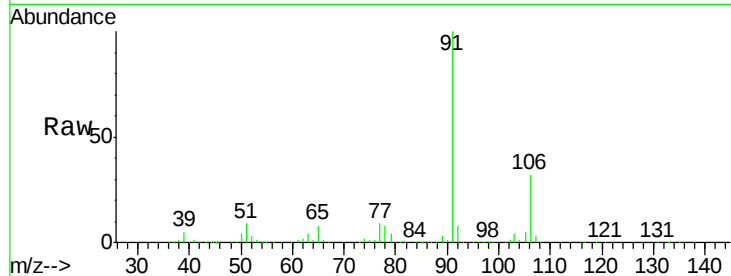
106 31.9 26.2 39.4

Manual Integrations

APPROVED

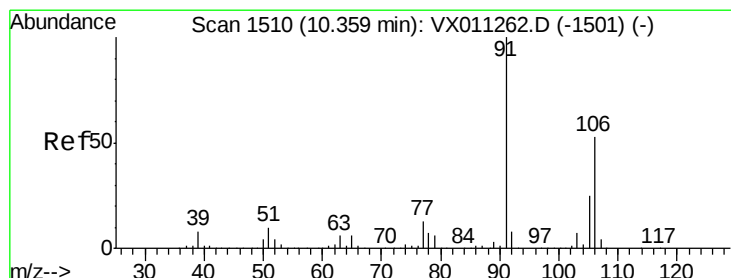
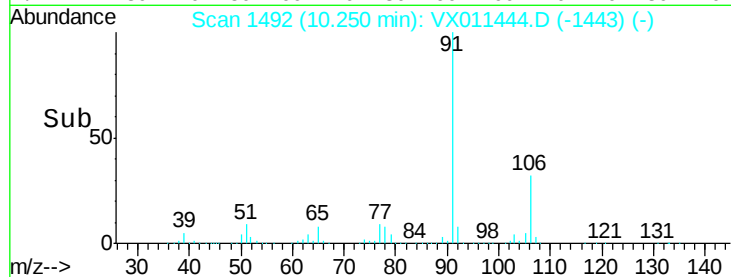
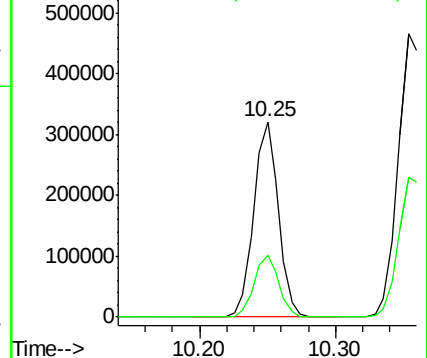
MMDadoda

8/12/2019 10:30:15 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.168 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011444.D

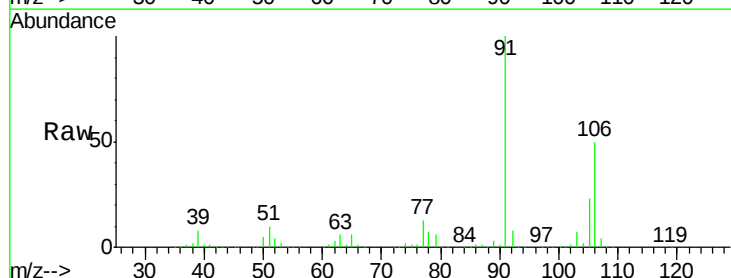
Acq: 11 Aug 2019 20:08

Tgt Ion: 106 Resp: 313615

Ion Ratio Lower Upper

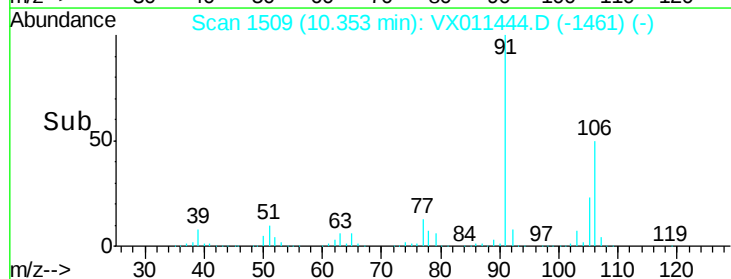
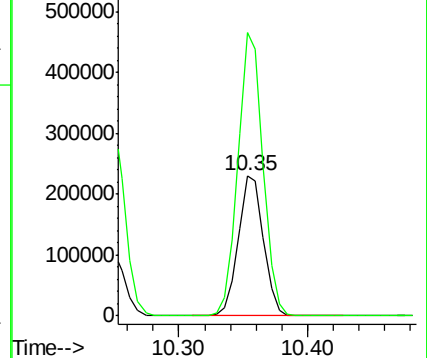
106 100

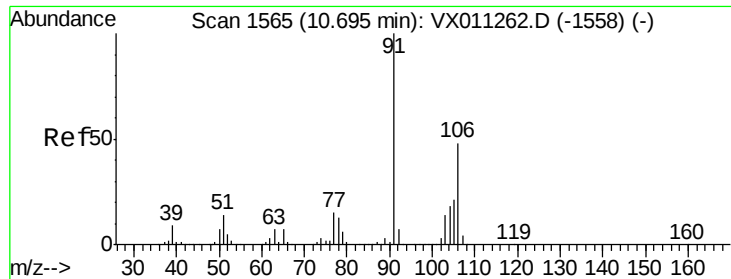
91 200.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





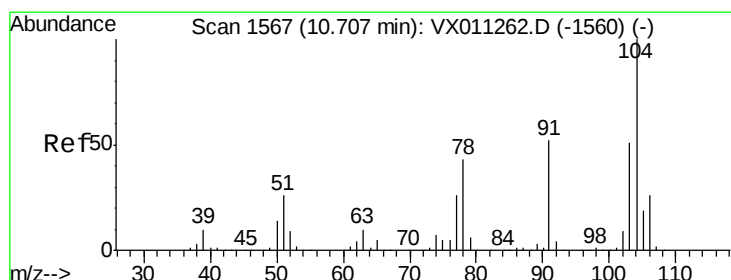
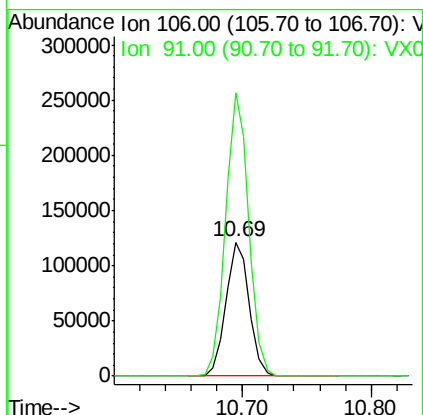
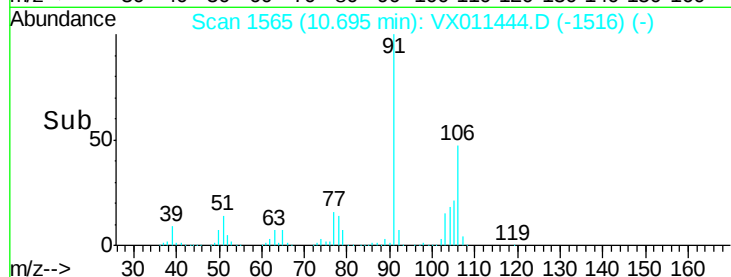
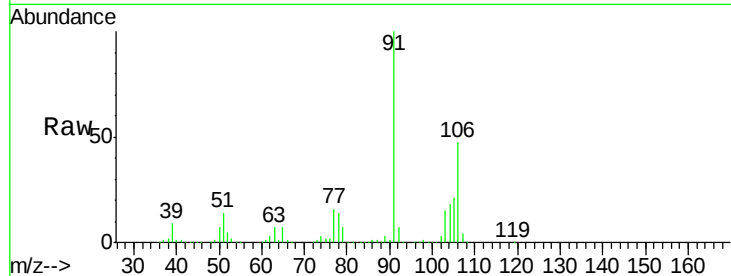
#69
o-Xylene
Concen: 50.160 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.7	103.8	311.3

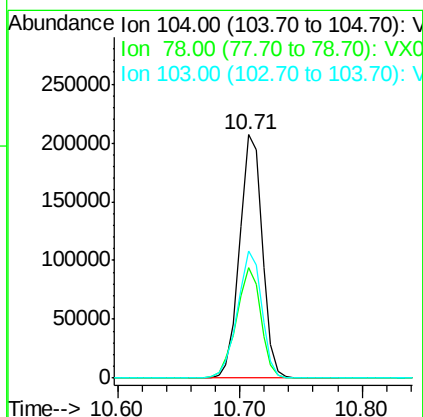
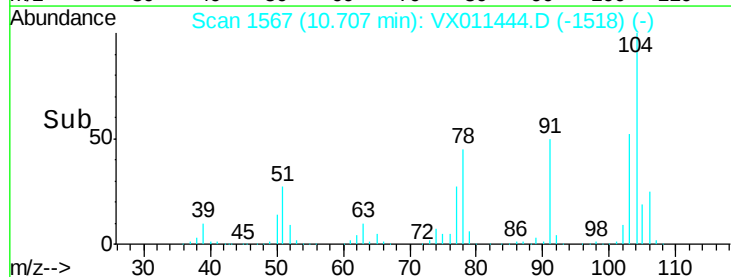
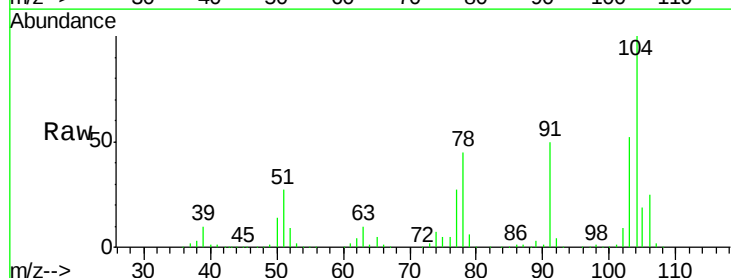
Manual Integrations
APPROVED

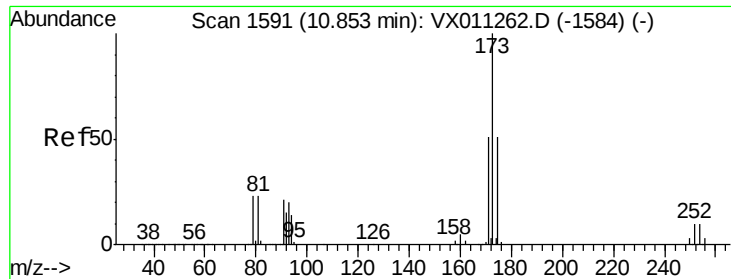
MMDadoda
8/12/2019 10:30:15 AM



#70
Styrene
Concen: 52.141 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	36.9	55.3
103	56.0	44.4	66.6





#71

Bromoform

Concen: 49.554 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73274

Ion Ratio Lower Upper

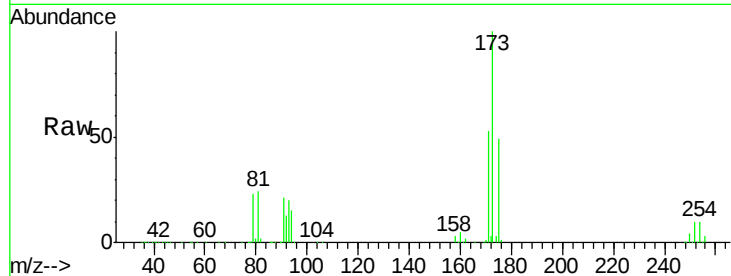
173 100

175 48.5 24.4 73.4

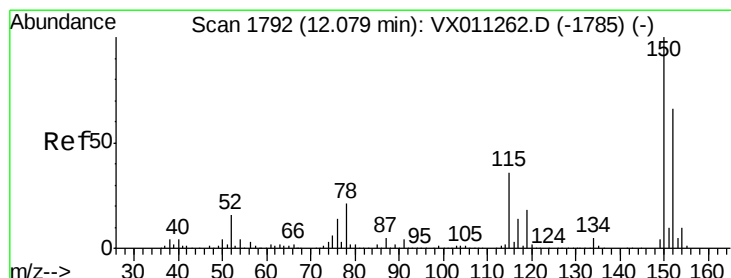
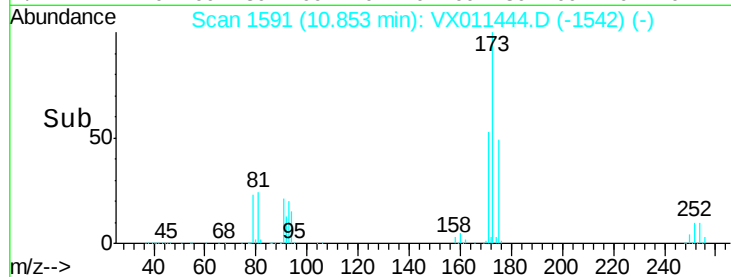
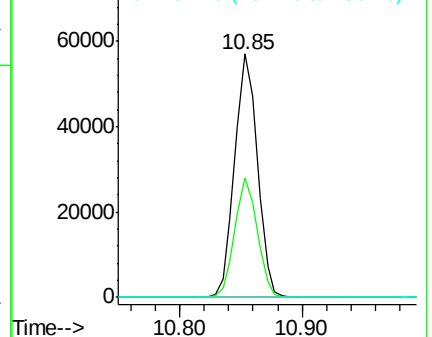
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

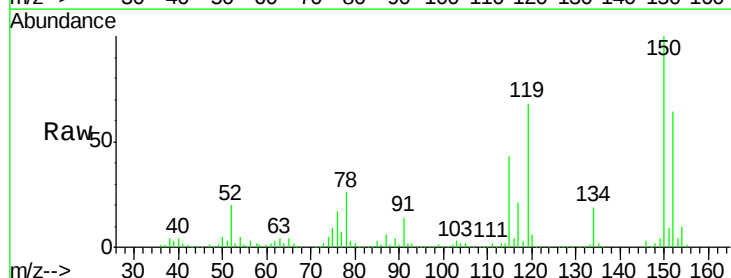
Tgt Ion:152 Resp: 120132

Ion Ratio Lower Upper

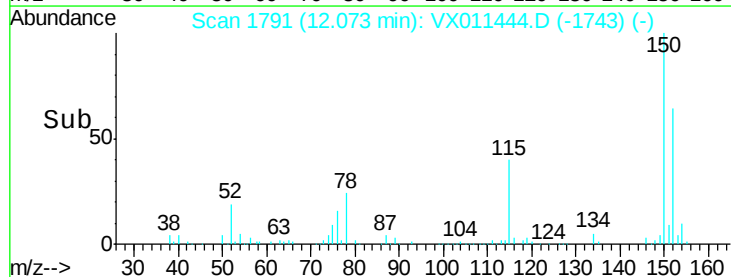
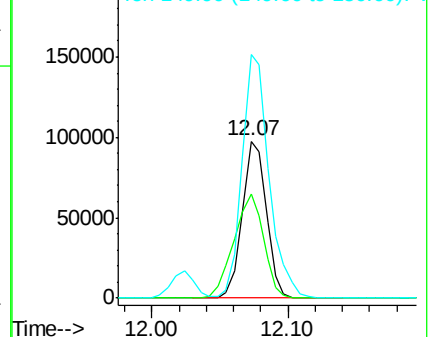
152 100

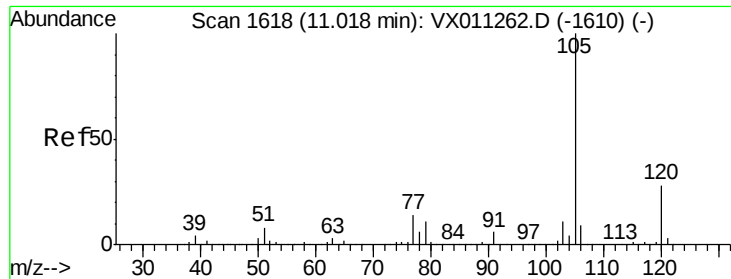
115 81.7 40.0 119.9

150 173.6 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: 51.282 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 421340

Ion Ratio Lower Upper

105 100

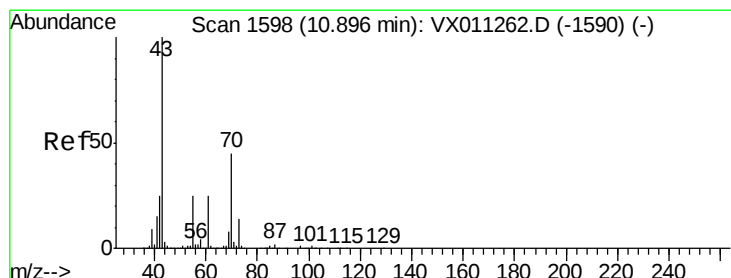
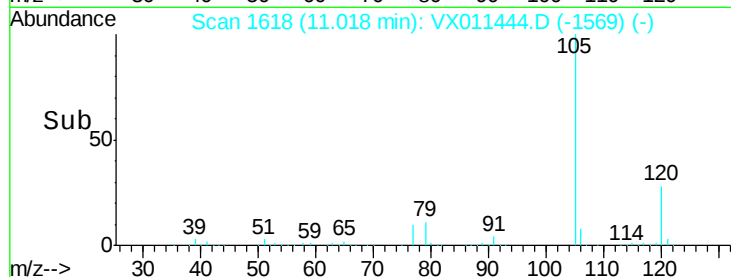
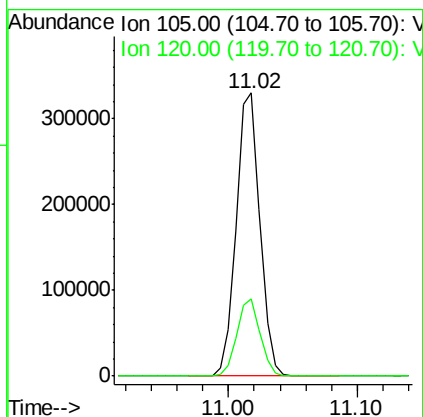
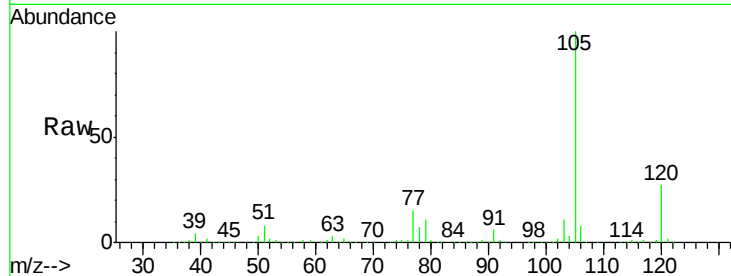
120 26.9 13.7 41.1

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:15 AM



#74

N-ethyl acetate

Concen: 56.395 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion: 43 Resp: 167424

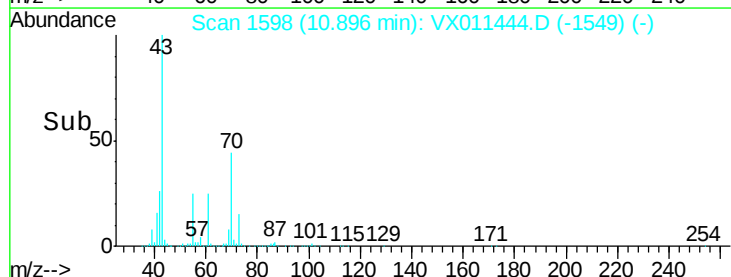
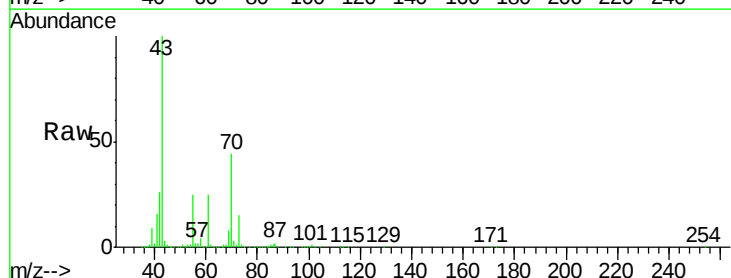
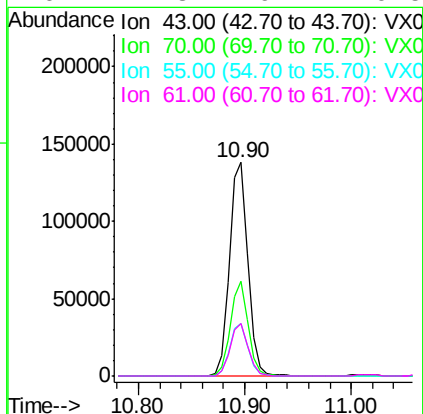
Ion Ratio Lower Upper

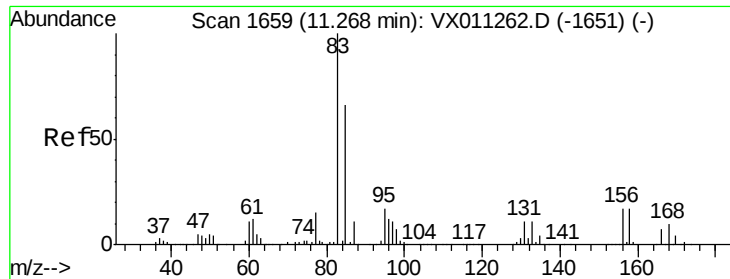
43 100

70 42.7 35.9 53.9

55 24.7 19.8 29.6

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.923 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

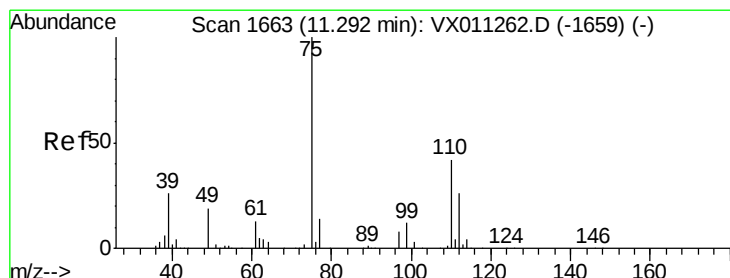
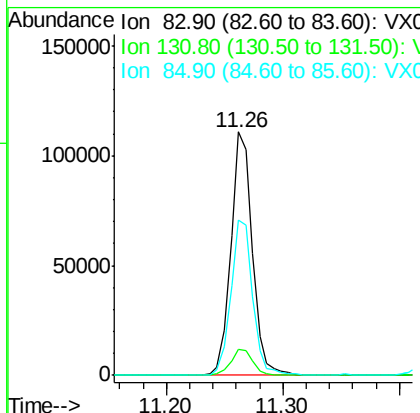
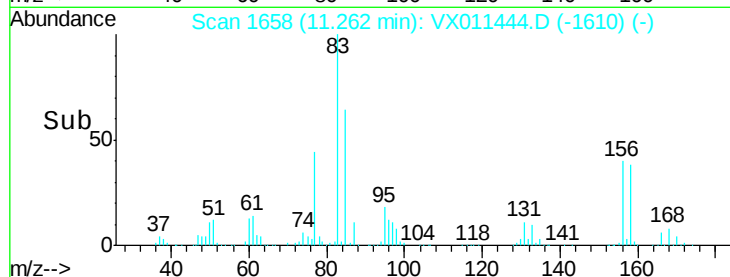
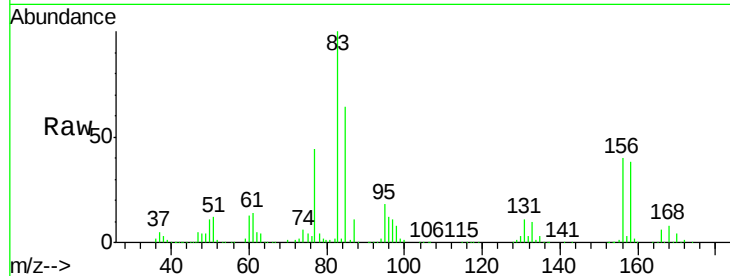
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	142167
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.9	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#76

1,2,3-Trichloropropane

Concen: 54.760 ug/l m

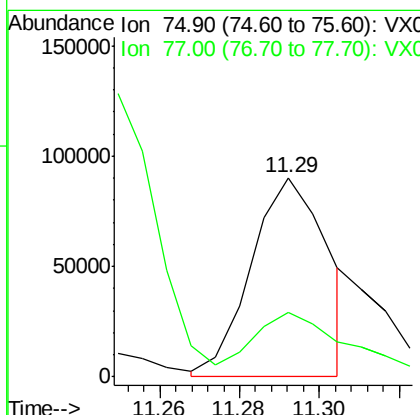
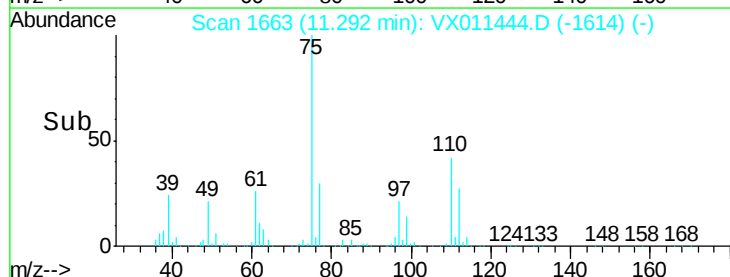
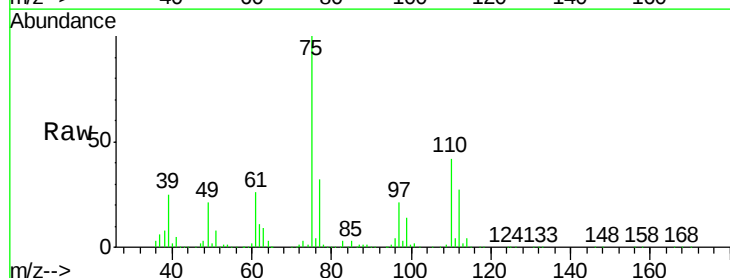
RT: 11.29 min Scan# 1663

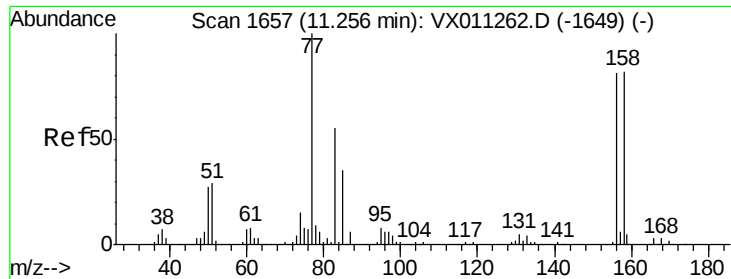
Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	75	Resp:	119802
Ion Ratio	Lower	Upper	
75	100		
77	40.5	21.1	63.4





#77

Bromobenzene

Concen: 49.627 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 113065

Ion Ratio Lower Upper

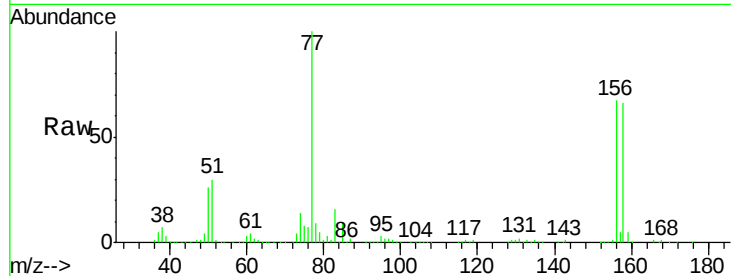
156 100

77 141.8 66.2 198.6

158 97.0 49.1 147.3

Manual Integrations
APPROVED

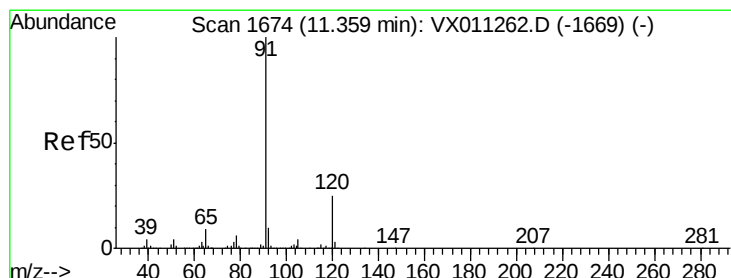
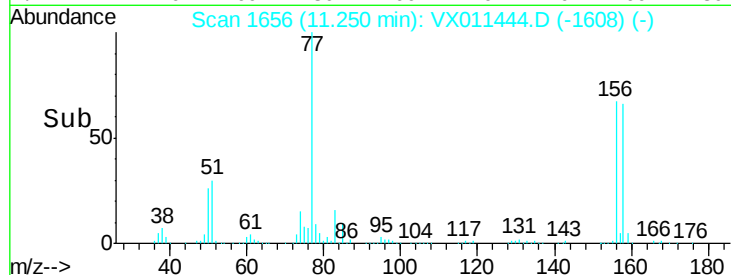
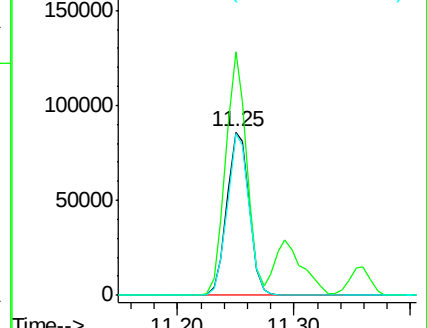
MMDadoda
8/12/2019 10:30:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.906 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011444.D

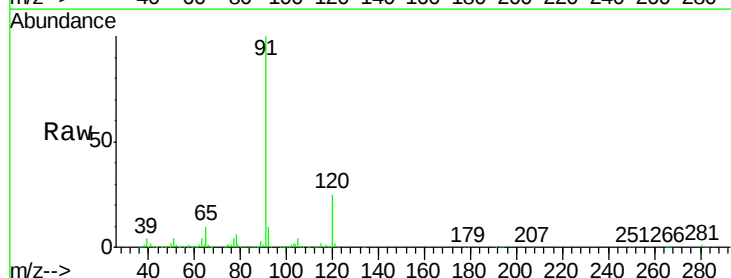
Acq: 11 Aug 2019 20:08

Tgt Ion: 91 Resp: 465121

Ion Ratio Lower Upper

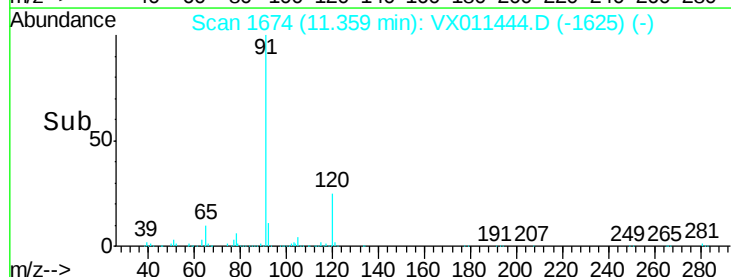
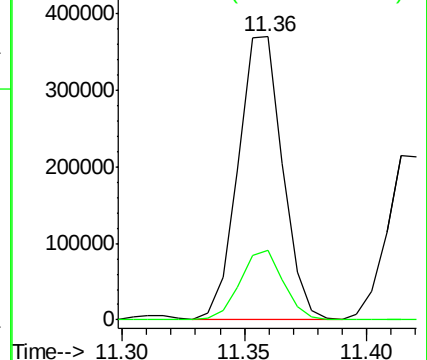
91 100

120 24.3 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





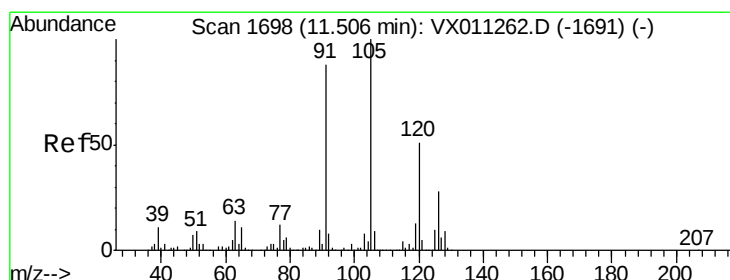
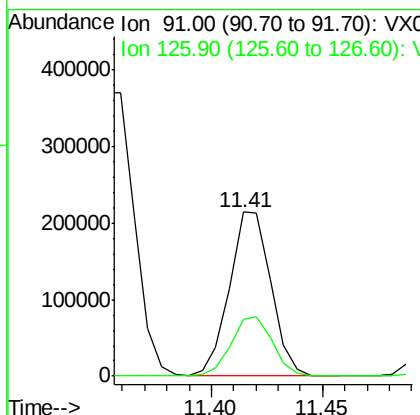
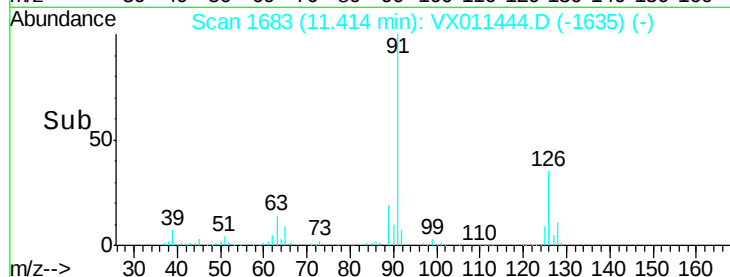
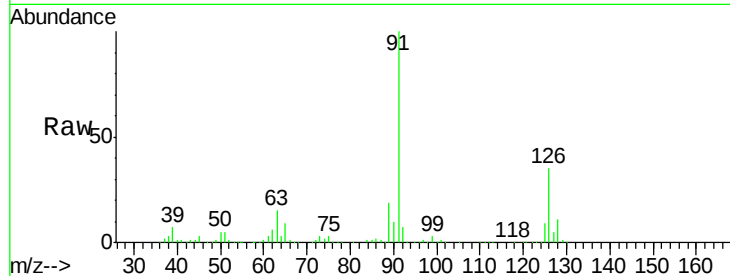
#79
2-Chlorotoluene
Concen: 51.027 ug/l
RT: 11.41 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 277887
Ion Ratio Lower Upper
91 100
126 36.4 18.5 55.5

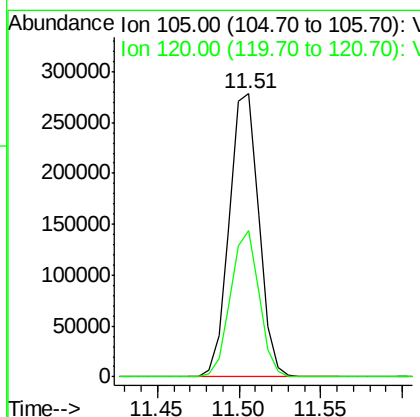
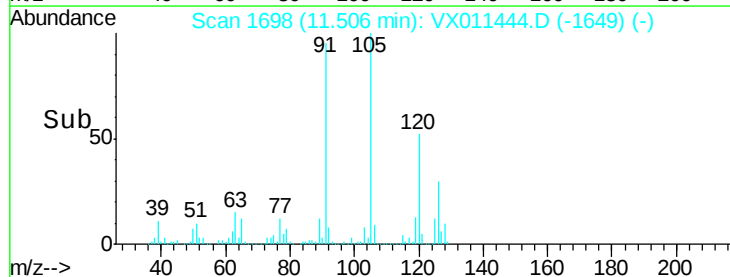
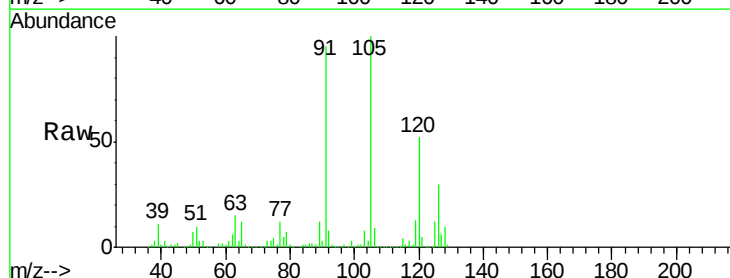
Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#80
1,3,5-Trimethylbenzene
Concen: 50.996 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion: 105 Resp: 350741
Ion Ratio Lower Upper
105 100
120 50.0 25.1 75.2





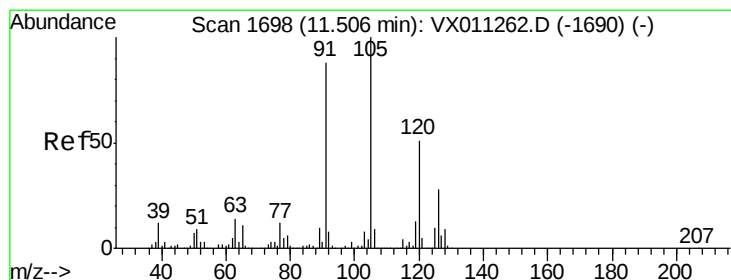
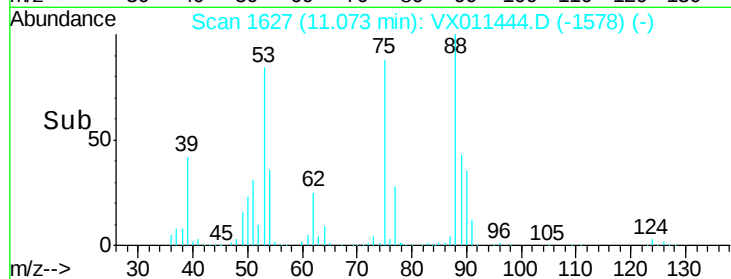
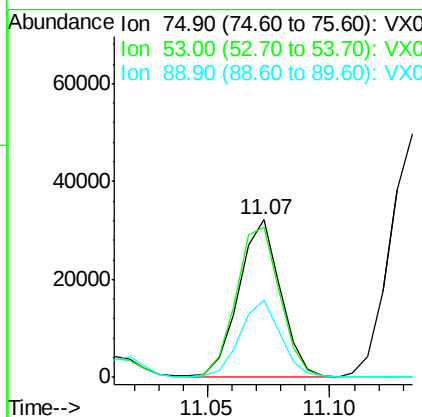
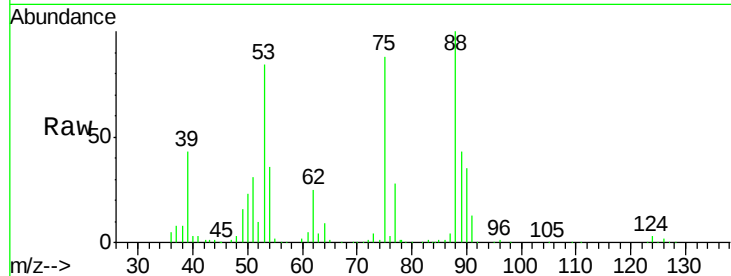
#81
trans-1,4-Dichloro-2-butene
Concen: 46.699 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.7	78.2	117.4
89	48.2	37.9	56.9

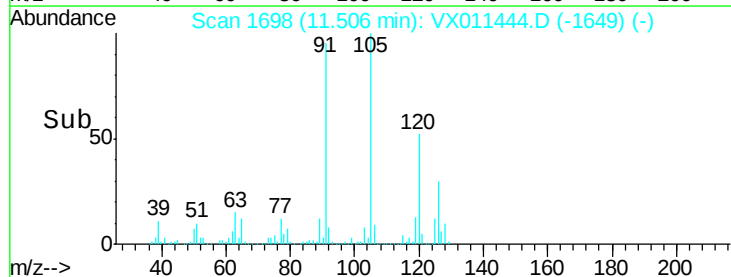
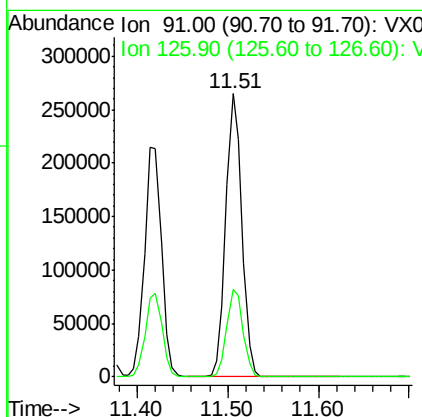
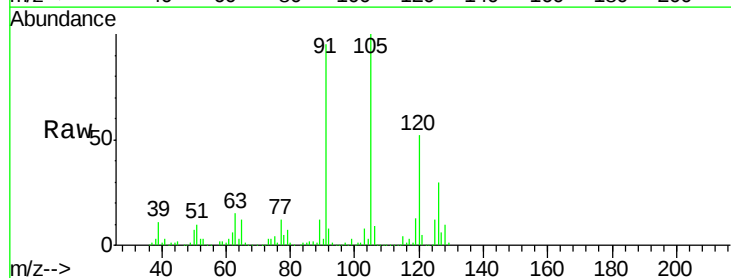
Manual Integrations
APPROVED

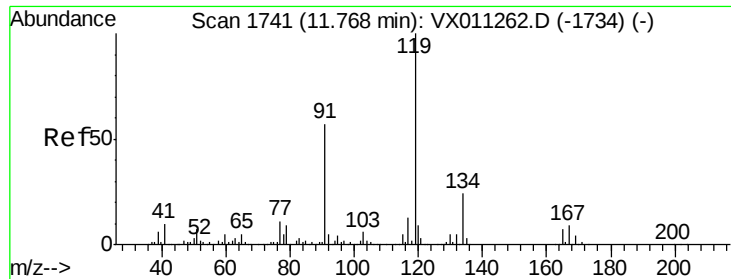
MMDadoda
8/12/2019 10:30:15 AM



#82
4-Chlorotoluene
Concen: 51.528 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.4	49.2





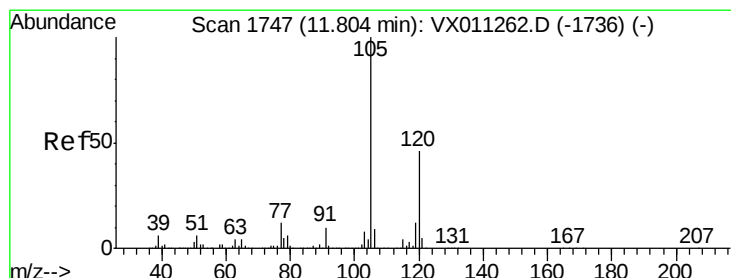
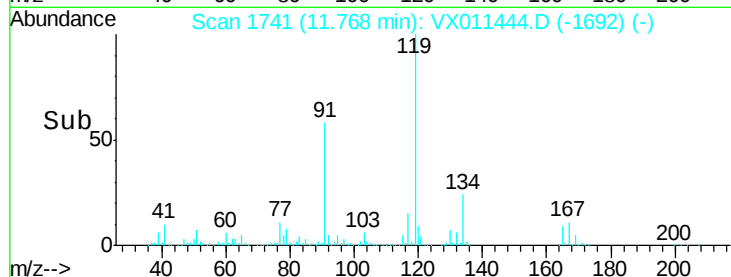
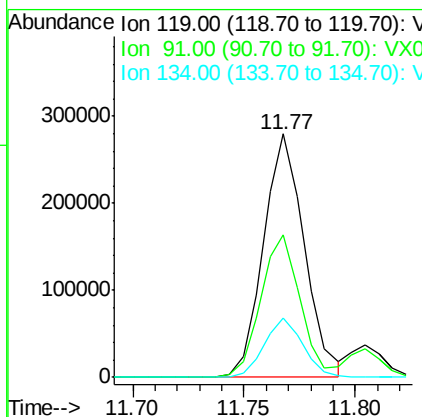
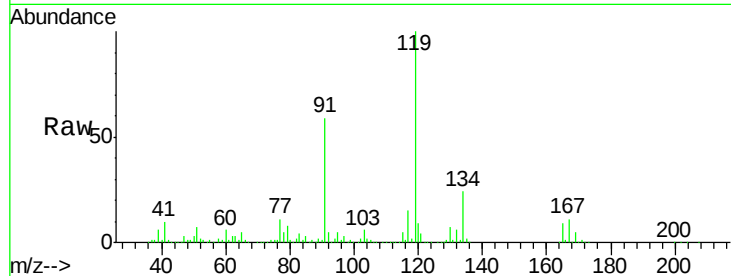
#83
 tert-Butylbenzene
 Concen: 52.814 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	356265		
91	57.1	28.0	84.0	
134	23.2	11.9	35.5	

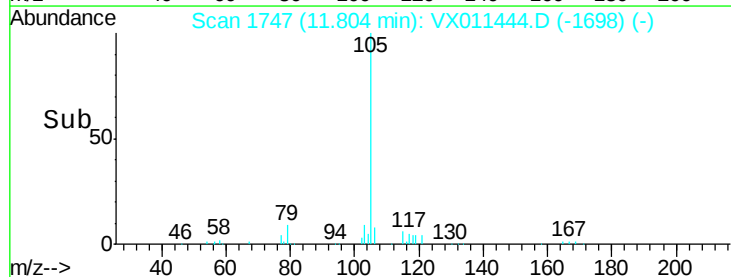
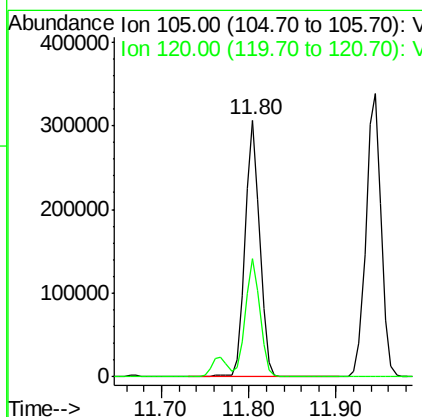
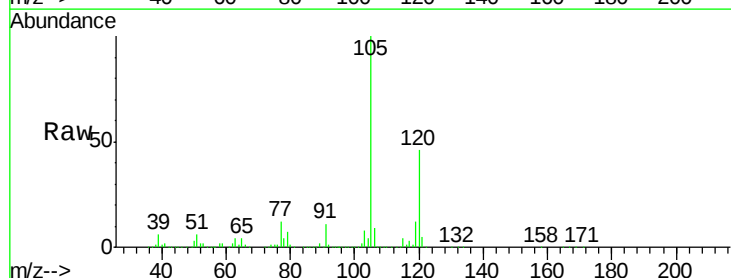
Manual Integrations
 APPROVED

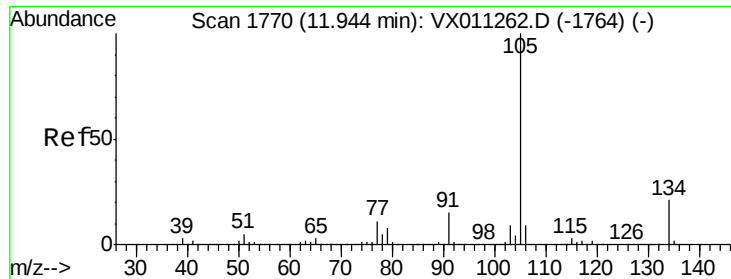
MMDadoda
 8/12/2019 10:30:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.979 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355941		
120	46.0	23.0	69.0	





#85

sec-Butylbenzene

Concen: 50.746 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 411272

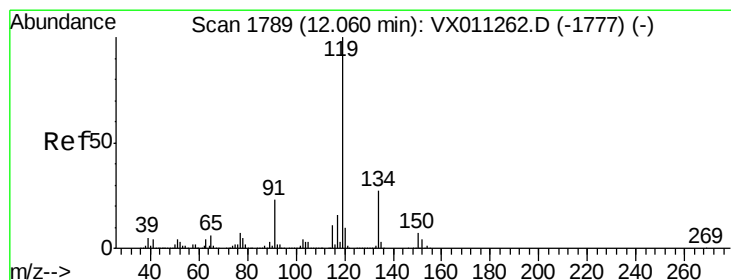
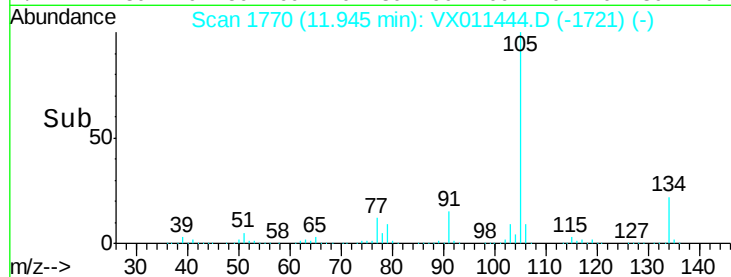
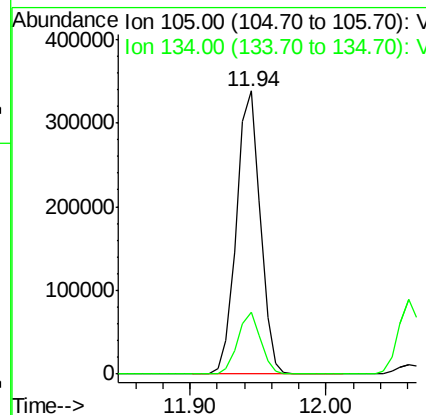
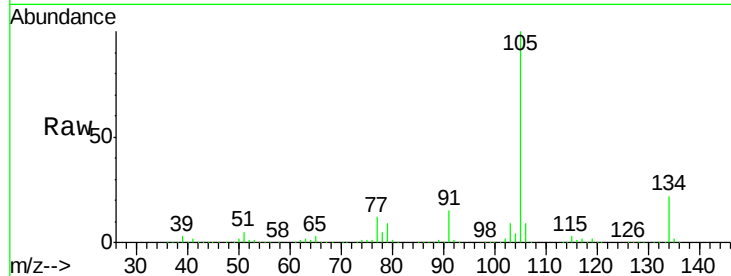
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#86

p-Isopropyltoluene

Concen: 51.327 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

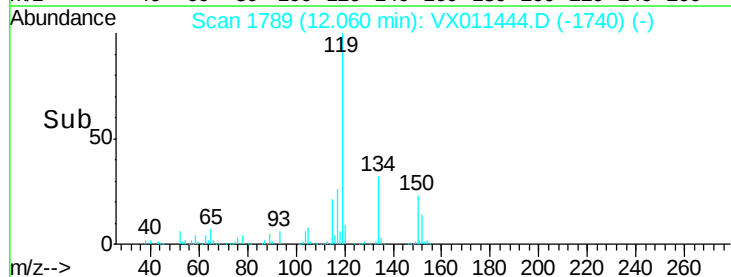
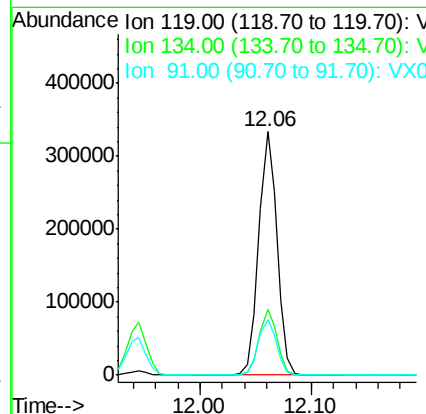
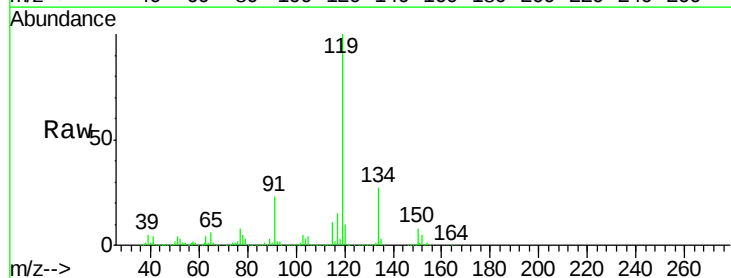
Tgt Ion:119 Resp: 382687

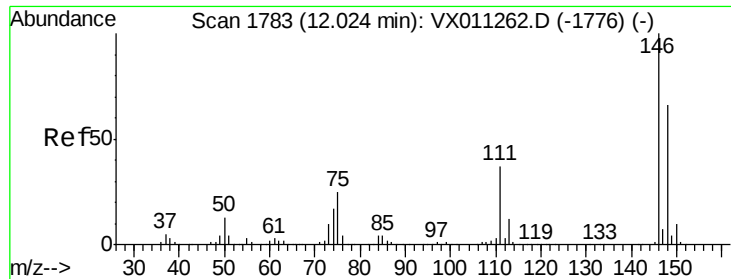
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 23.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.050 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Instrument :

MSVOA_X

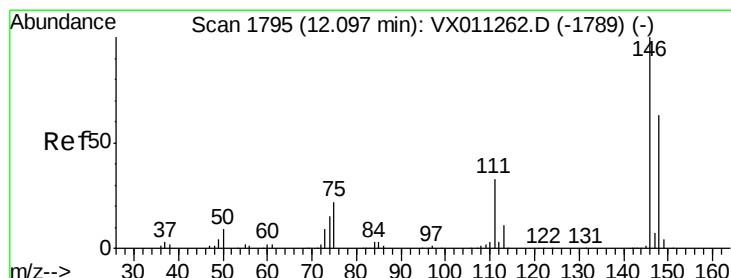
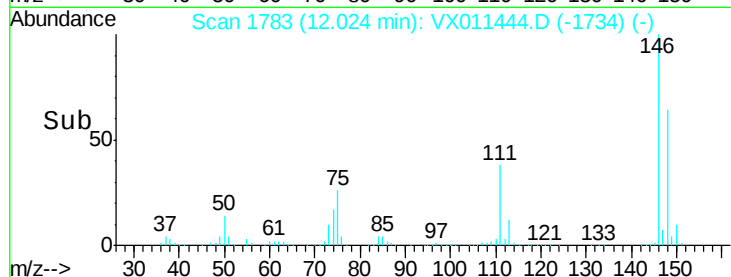
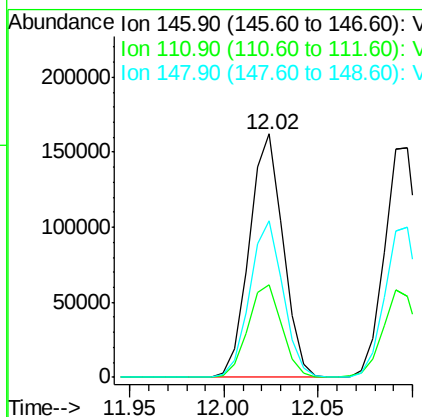
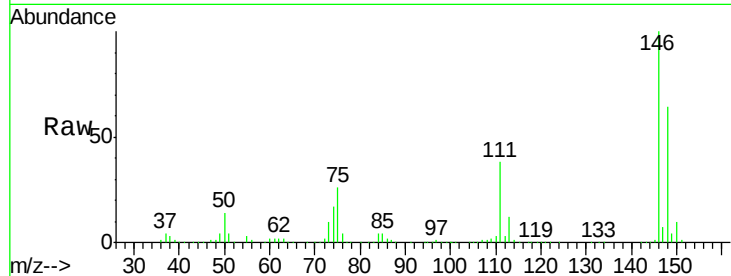
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	201480
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.6	55.8
148	63.4	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#88

1,4-Dichlorobenzene

Concen: 47.870 ug/l

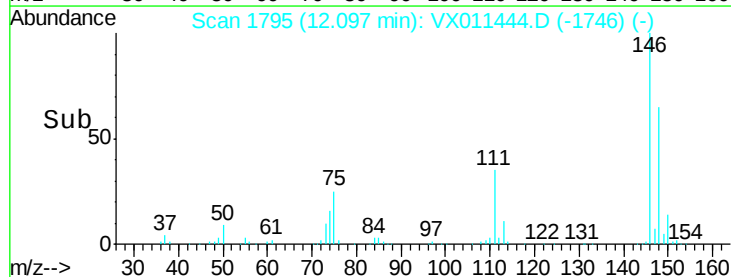
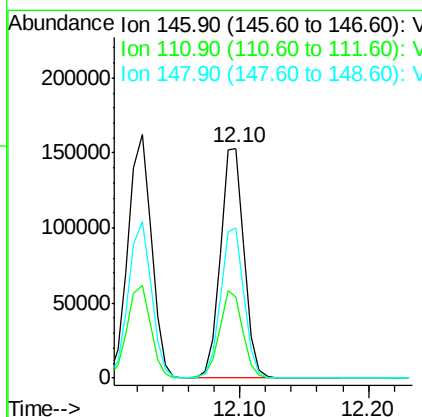
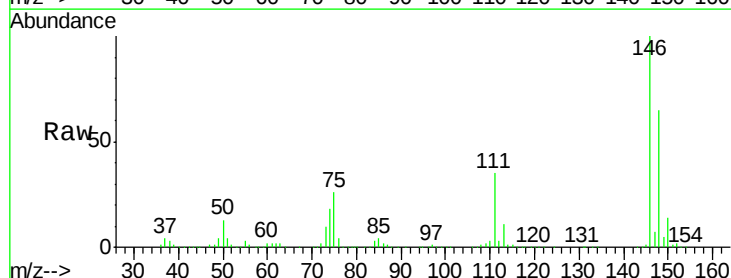
RT: 12.10 min Scan# 1795

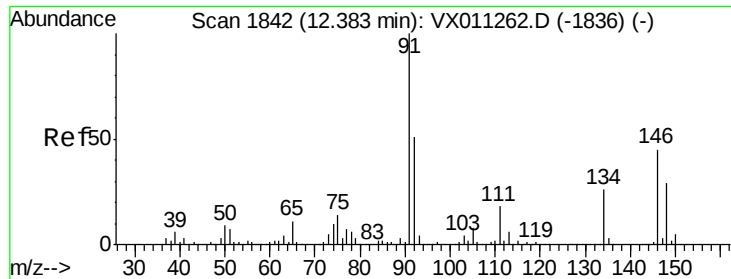
Delta R.T. 0.00 min

Lab File: VX011444.D

Acq: 11 Aug 2019 20:08

Tgt Ion:	146	Resp:	198707
Ion Ratio	Lower	Upper	
146	100		
111	37.2	17.8	53.4
148	64.9	31.8	95.3





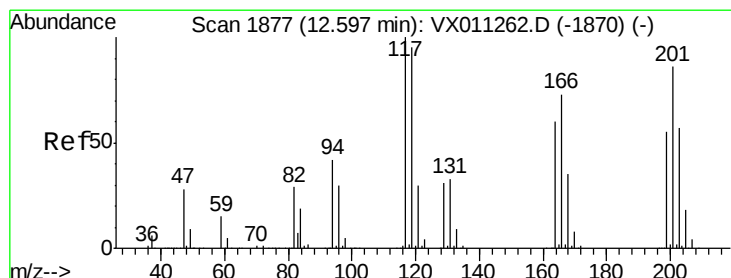
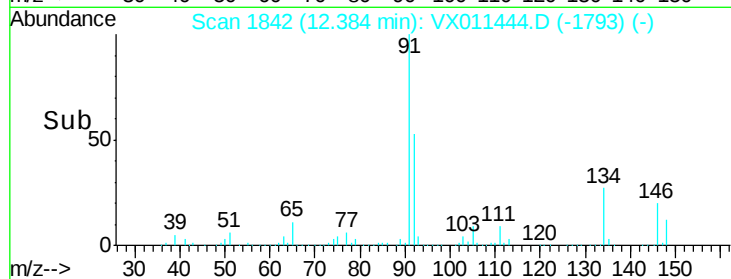
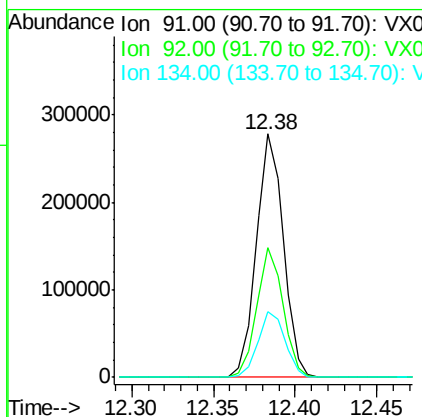
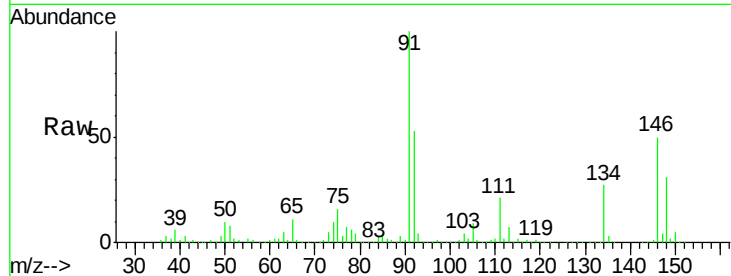
#89
n-Butylbenzene
Concen: 50.189 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.3
134	27.1	13.7	41.0

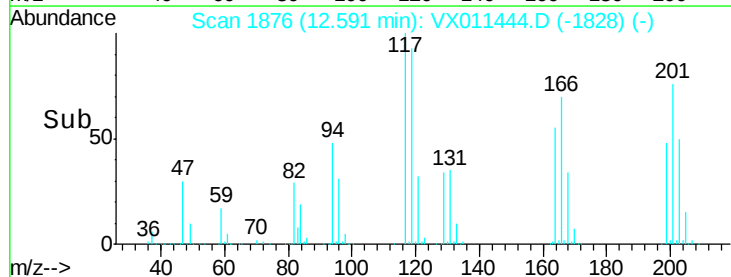
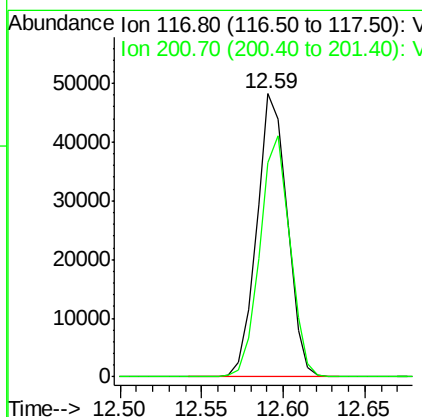
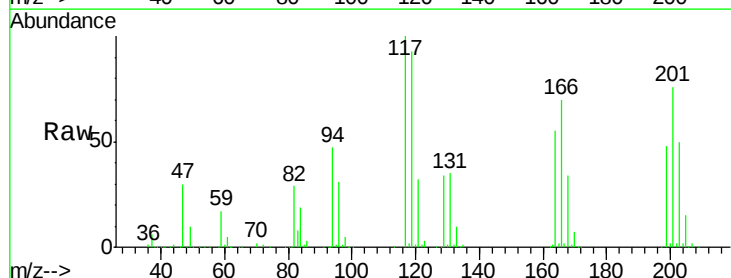
Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#90
Hexachloroethane
Concen: 56.916 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	41.8	125.4





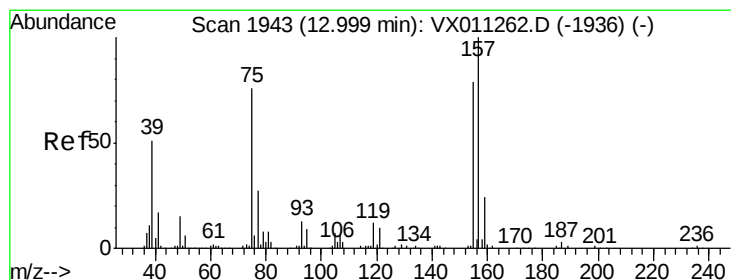
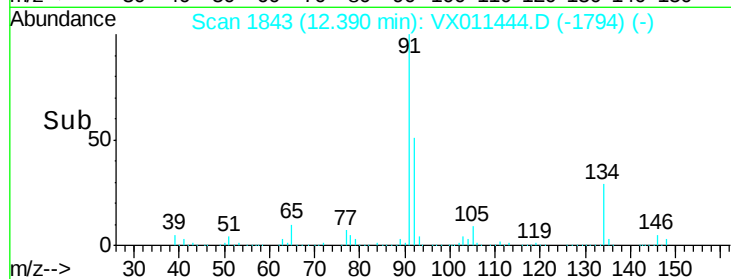
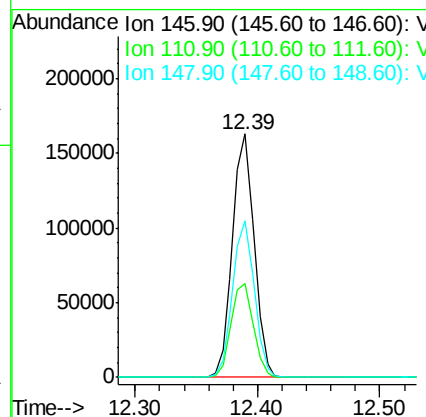
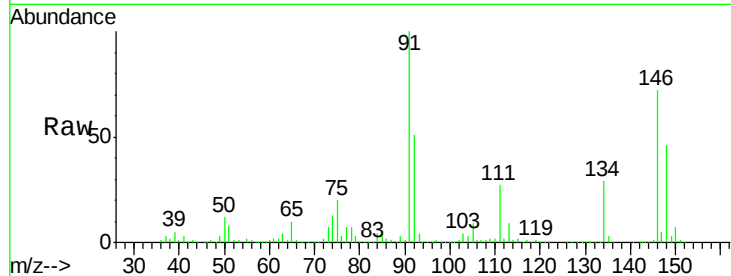
#91
 1,2-Dichlorobenzene
 Concen: 49.538 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	64.0	32.3	96.8

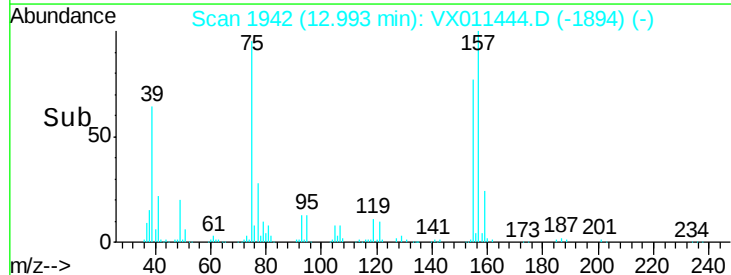
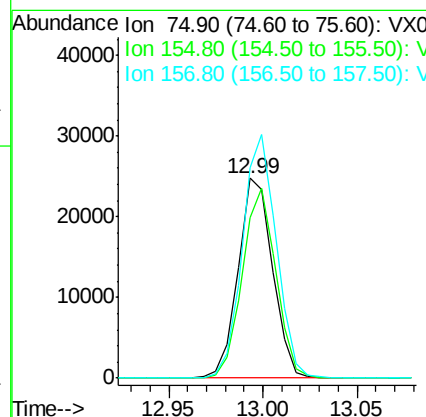
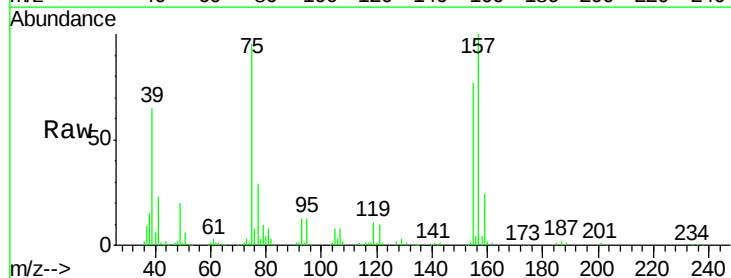
Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.117 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	51.9	155.8
157	119.7	64.3	192.7





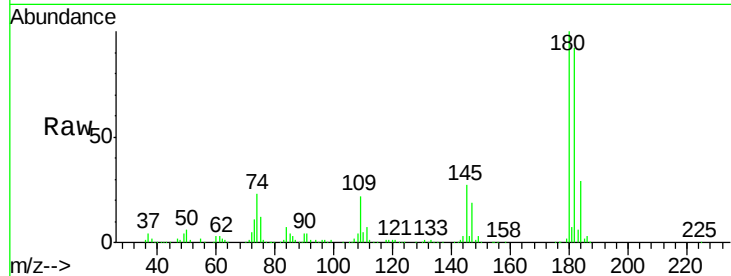
#93
 1,2,4-Trichlorobenzene
 Concen: 50.138 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134491		
182	94.0	47.8	143.4	
145	30.1	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:15 AM

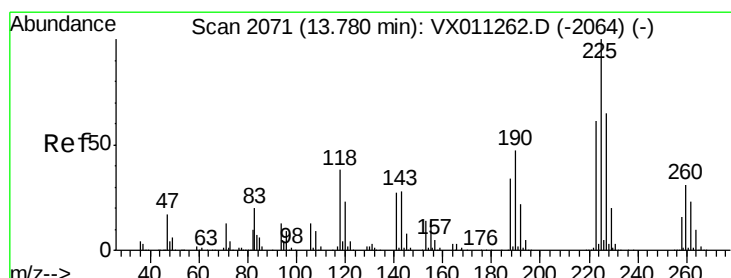
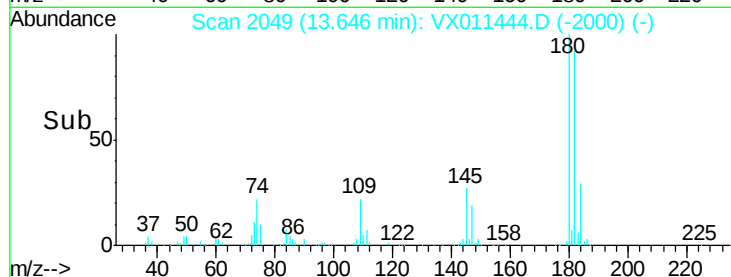
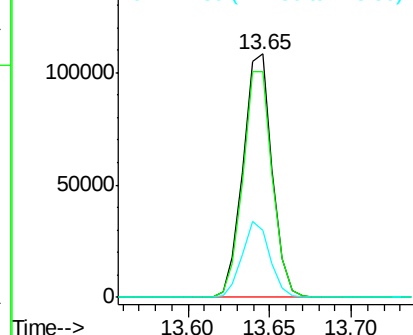


Abundance

Ion 179.80 (179.50 to 180.50): V

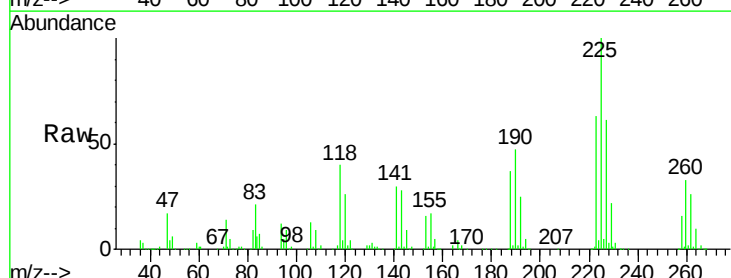
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.412 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011444.D
 Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65886		
223	63.7	31.0	93.0	
227	63.7	32.2	96.6	

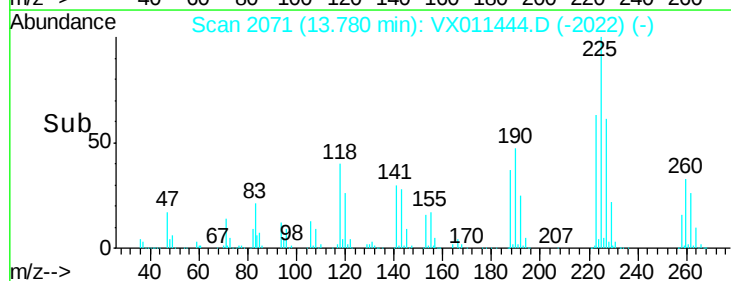
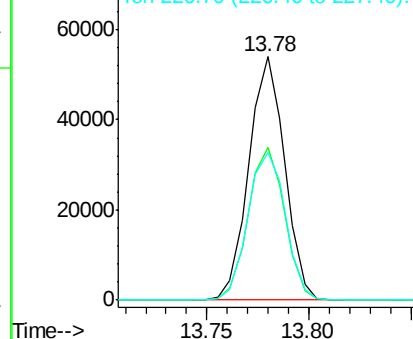


Abundance

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





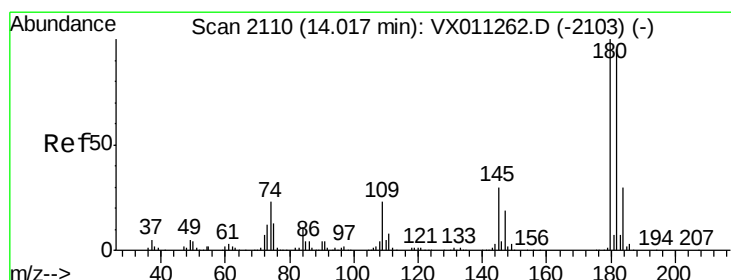
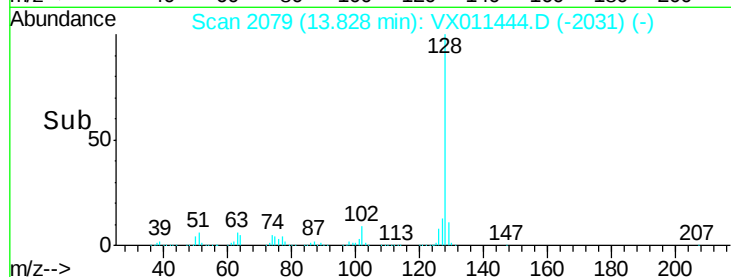
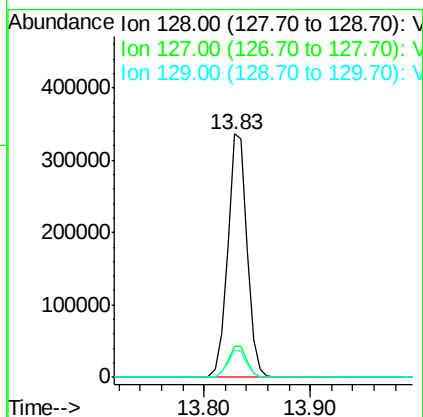
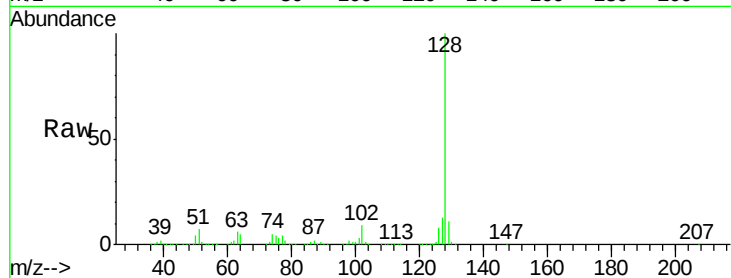
#95
Naphthalene
Concen: 54.126 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.018 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011444.D
Acq: 11 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.3
145	31.3	15.2	45.6

