

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
 Data File : VX011524.D
 Acq On : 13 Aug 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:12 AM

Quant Time: Aug 14 01:18:32 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	181323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	128542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	105005	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	5.49	113	90447	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	8.71	98	334903	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.13	95	126289	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	61658	44.028	ug/l 100
3) Chloromethane	1.32	50	62226	39.568	ug/l 98
4) Vinyl Chloride	1.40	62	69710	40.298	ug/l 98
5) Bromomethane	1.63	94	52743	42.750	ug/l 100
6) Chloroethane	1.71	64	46260	42.818	ug/l 99
7) Trichlorofluoromethane	1.92	101	131636	42.797	ug/l 98
8) Diethyl Ether	2.18	74	45314	41.258	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	79429	47.726	ug/l 98
10) Methyl Iodide	2.50	142	94246	44.917	ug/l 97
11) Tert butyl alcohol	3.04	59	82764	227.299	ug/l 100
12) 1,1-Dichloroethene	2.36	96	72406	43.889	ug/l 90
13) Acrolein	2.29	56	51822	228.974	ug/l 100
14) Allyl chloride	2.71	41	112352	51.085	ug/l 96
15) Acrylonitrile	3.13	53	206459	237.605	ug/l 98
16) Acetone	2.43	43	232027	266.959	ug/l 95
17) Carbon Disulfide	2.56	76	160290	41.404	ug/l 100
18) Methyl Acetate	2.76	43	98950	49.818	ug/l 96
19) Methyl tert-butyl Ether	3.18	73	250222	51.468	ug/l 99
20) Methylene Chloride	2.84	84	83773	44.010	ug/l 96
21) trans-1,2-Dichloroethene	3.15	96	78555	45.014	ug/l 90
22) Diisopropyl ether	3.84	45	242675	50.204	ug/l 95
23) Vinyl Acetate	3.81	43	1052306	262.475	ug/l 98
24) 1,1-Dichloroethane	3.68	63	138793	48.694	ug/l 98
25) 2-Butanone	4.66	43	306627	248.007	ug/l 97
26) 2,2-Dichloropropane	4.57	77	122090	55.103	ug/l 96
27) cis-1,2-Dichloroethene	4.59	96	93975	46.751	ug/l 96
28) Bromochloromethane	5.00	49	67381	51.855	ug/l 97
29) Tetrahydrofuran	5.12	42	178688	235.712	ug/l 99
30) Chloroform	5.20	83	157315	50.782	ug/l 99
31) Cyclohexane	5.56	56	109583	46.601	ug/l 92
32) 1,1,1-Trichloroethane	5.48	97	138330	52.126	ug/l 98
36) 1,1-Dichloropropene	5.79	75	109247	48.296	ug/l 98
37) Ethyl Acetate	4.82	43	110523	48.710	ug/l 98
38) Carbon Tetrachloride	5.77	117	123134	54.107	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
 Data File : VX011524.D
 Acq On : 13 Aug 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:12 AM

Quant Time: Aug 14 01:18:32 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	124021	46.255	ug/l	98
40) Benzene	6.13	78	328188	48.620	ug/l	98
41) Methacrylonitrile	5.03	41	61490	49.622	ug/l	97
42) 1,2-Dichloroethane	6.18	62	124051	54.348	ug/l	96
43) Isopropyl Acetate	6.43	43	183196	50.501	ug/l	100
44) Trichloroethene	7.20	130	96418	47.191	ug/l	94
45) 1,2-Dichloropropane	7.51	63	83906	47.997	ug/l	96
46) Dibromomethane	7.65	93	61582	48.255	ug/l	97
47) Bromodichloromethane	7.89	83	116554	53.944	ug/l	99
48) Methyl methacrylate	7.76	41	90412	52.960	ug/l	97
49) 1,4-Dioxane	7.73	88	41516	838.828	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	594035	253.742	ug/l	100
52) Toluene	8.78	92	219990	49.293	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	127357	50.578	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	137546	54.497	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	93458	50.932	ug/l	99
56) Ethyl methacrylate	9.17	69	137538	52.597	ug/l	97
57) 1,3-Dichloropropane	9.37	76	146525	50.491	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	335217	260.720	ug/l	99
59) 2-Hexanone	9.49	43	460658	254.039	ug/l	98
60) Dibromochloromethane	9.58	129	102459	54.538	ug/l	99
61) 1,2-Dibromoethane	9.66	107	99992	50.438	ug/l	97
64) Tetrachloroethene	9.33	164	98169	47.224	ug/l	94
65) Chlorobenzene	10.13	112	251295	47.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	96656	53.792	ug/l	98
67) Ethyl Benzene	10.25	91	440768	50.145	ug/l	97
68) m/p-Xylenes	10.35	106	335389	98.646	ug/l	97
69) o-Xylene	10.69	106	162179	48.548	ug/l	98
70) Styrene	10.71	104	278215	50.333	ug/l	98
71) Bromoform	10.85	173	75153	46.960	ug/l #	100
73) Isopropylbenzene	11.01	105	451420	51.348	ug/l	99
74) N-amyl acetate	10.90	43	163239	51.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	137919	47.076	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	122594m	52.370	ug/l	
77) Bromobenzene	11.25	156	118432	48.581	ug/l	96
78) n-propylbenzene	11.35	91	503954	51.547	ug/l	99
79) 2-Chlorotoluene	11.41	91	297195	51.002	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	376368	51.142	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	40816	46.871	ug/l	98
82) 4-Chlorotoluene	11.51	91	345393	50.860	ug/l	98
83) tert-Butylbenzene	11.77	119	372057	51.547	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	380291	51.902	ug/l	99
85) sec-Butylbenzene	11.94	105	443474	51.139	ug/l	100
86) p-Isopropyltoluene	12.06	119	412540	51.710	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	211747	49.159	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	212714	47.891	ug/l	99
89) n-Butylbenzene	12.38	91	357877	52.069	ug/l	99
90) Hexachloroethane	12.59	117	64677	54.835	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	208609	48.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29309	51.636	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
Data File : VX011524.D
Acq On : 13 Aug 2019 10:09
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

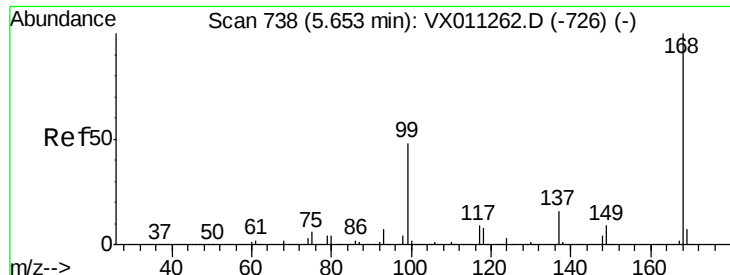
Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM

Quant Time: Aug 14 01:18:32 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	142220	49.550	ug/l	100
94) Hexachlorobutadiene	13.78	225	73001	50.131	ug/l	99
95) Naphthalene	13.83	128	422987	50.394	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	142452	48.819	ug/l	98

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



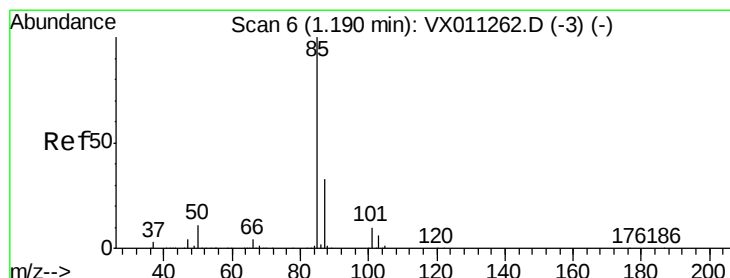
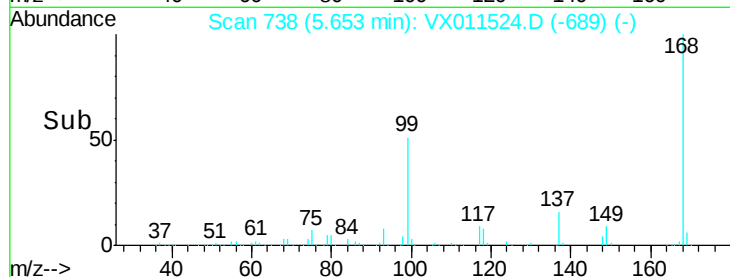
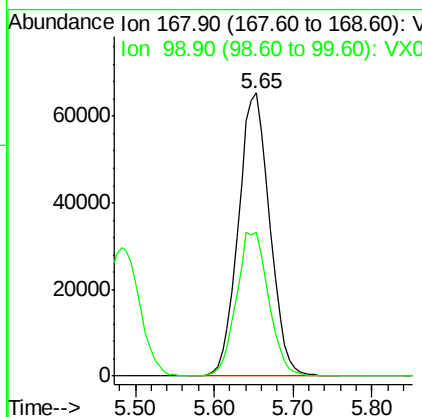
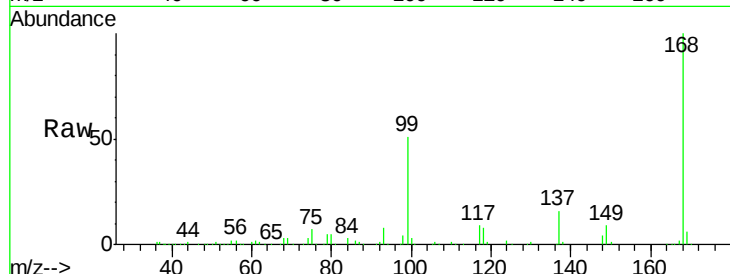
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.9	38.5	57.7

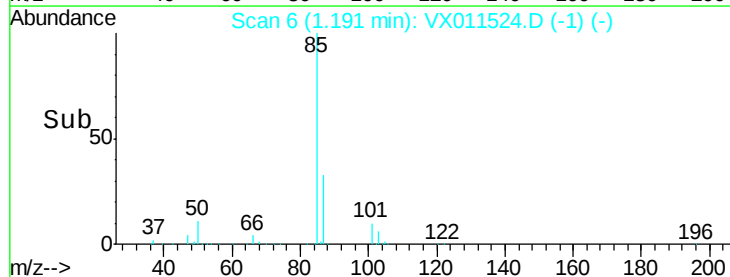
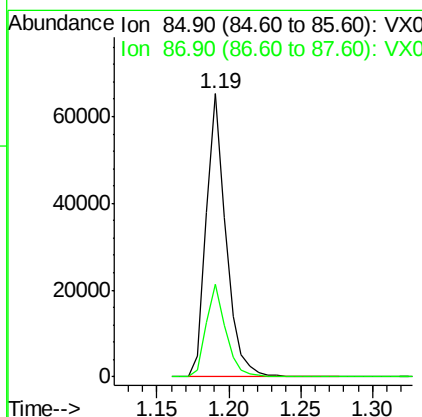
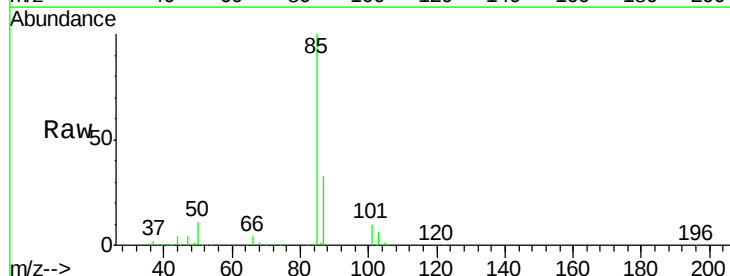
Manual Integrations
APPROVED

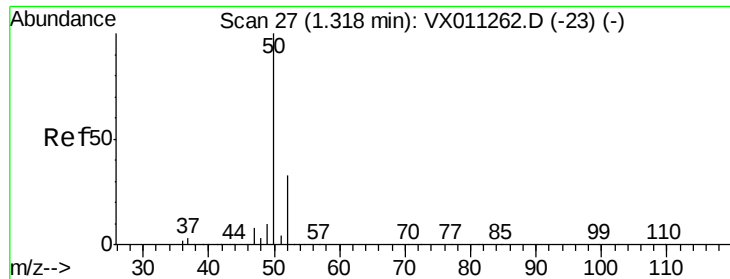
MMDadoda
8/14/2019 11:31:12 AM



#2
Dichlorodifluoromethane
Concen: 44.028 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.4	49.1





#3

Chloromethane

Concen: 39.568 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 62226

Ion Ratio Lower Upper

50 100

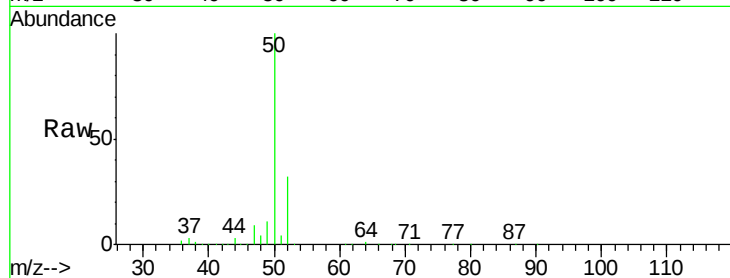
52 32.1 26.4 39.6

Manual Integrations

APPROVED

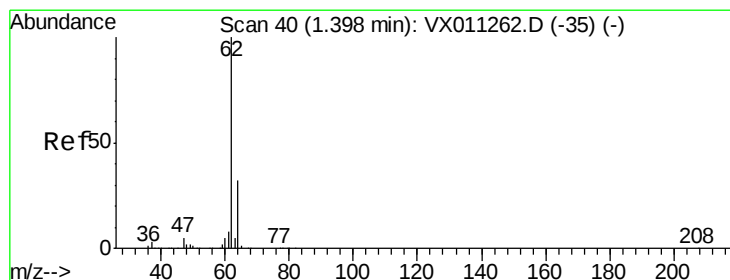
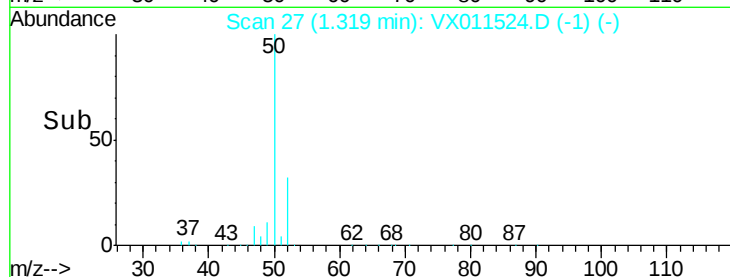
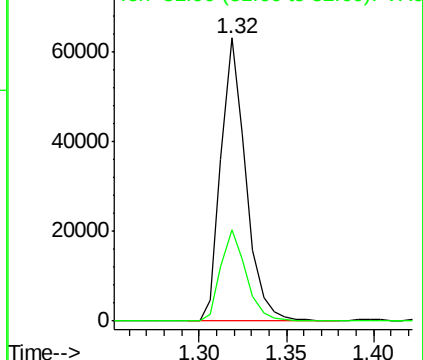
MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 40.298 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011524.D

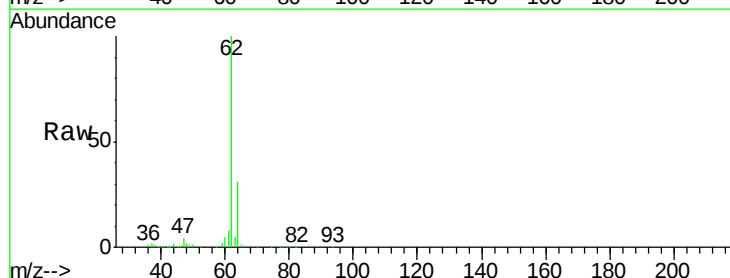
Acq: 13 Aug 2019 10:09

Tgt Ion: 62 Resp: 69710

Ion Ratio Lower Upper

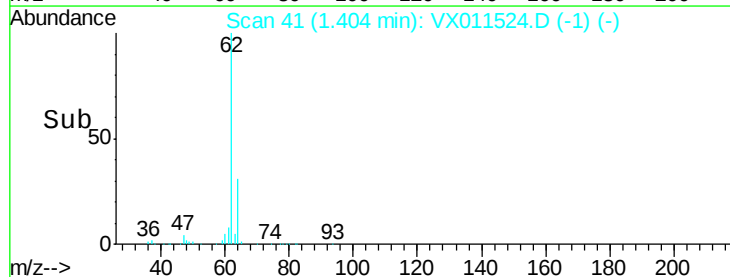
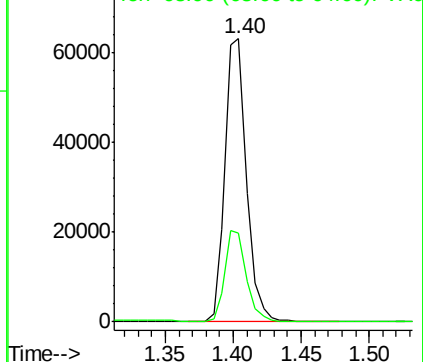
62 100

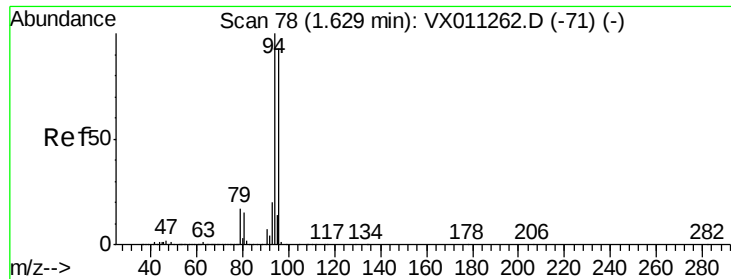
64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.750 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 52743

Ion Ratio Lower Upper

94 100

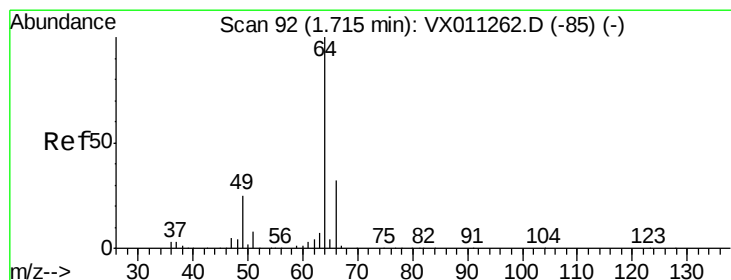
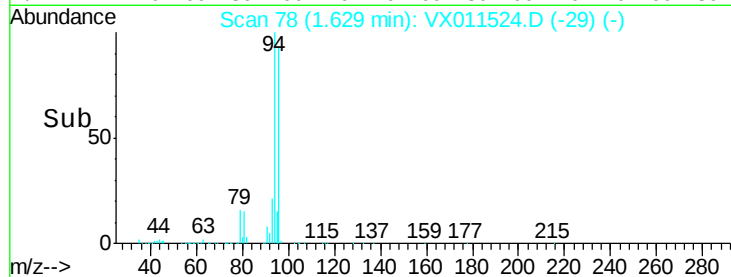
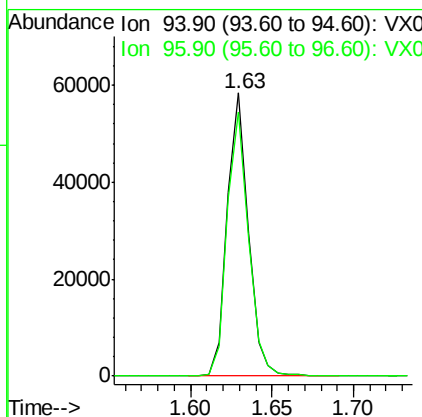
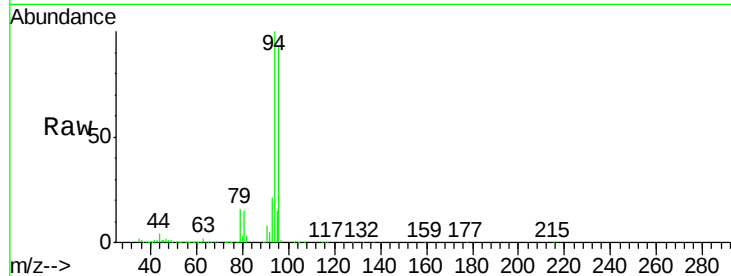
96 93.4 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:12 AM



#6

Chloroethane

Concen: 42.818 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011524.D

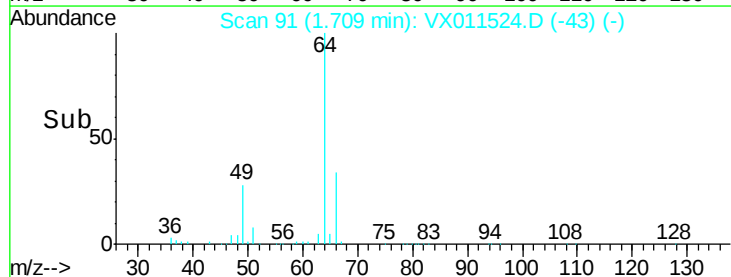
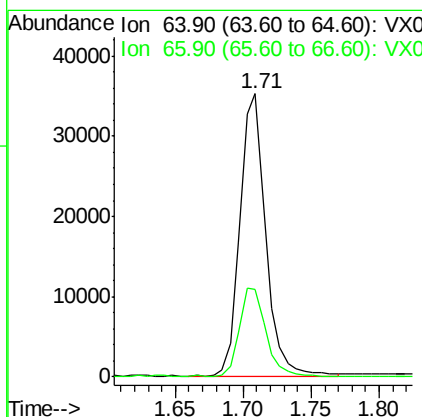
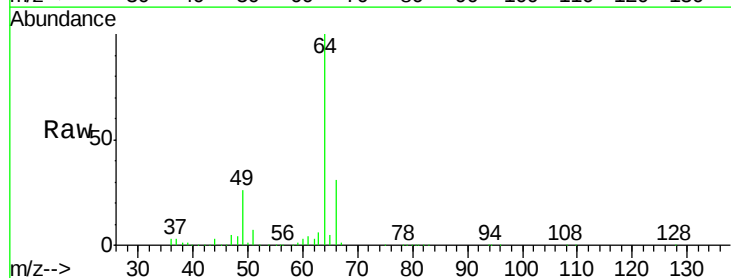
Acq: 13 Aug 2019 10:09

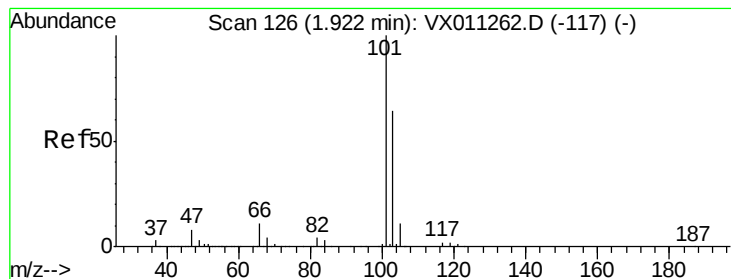
Tgt Ion: 64 Resp: 46260

Ion Ratio Lower Upper

64 100

66 30.7 25.1 37.7





#7

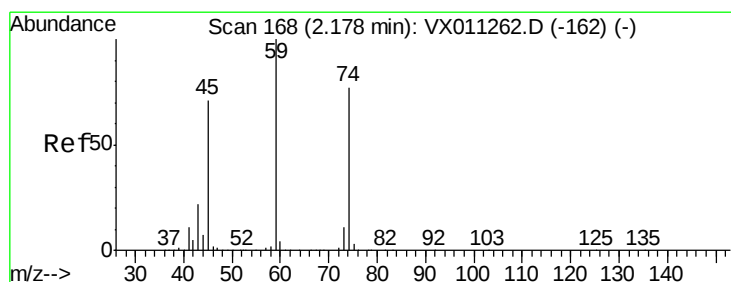
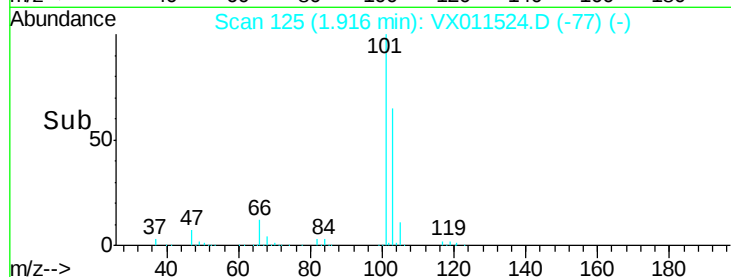
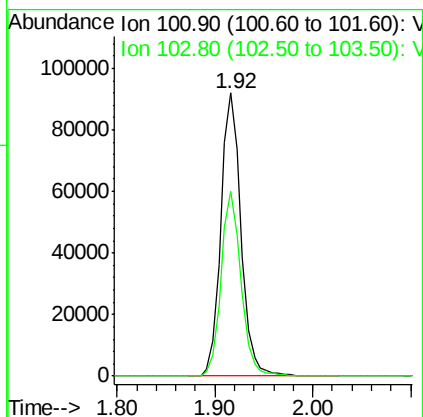
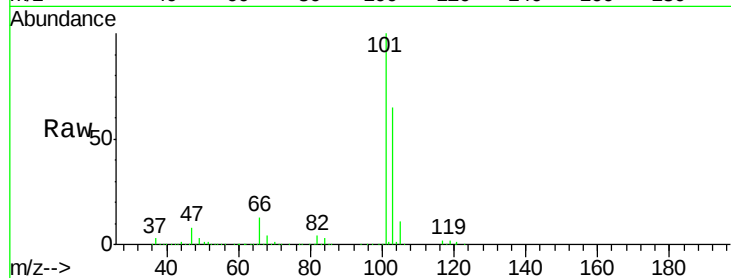
Trichlorofluoromethane
Concen: 42.797 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.9	76.3

Manual Integrations
APPROVED

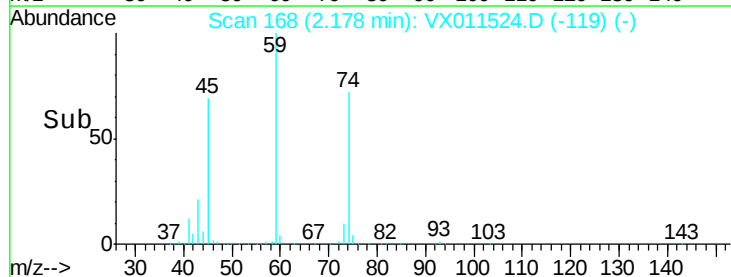
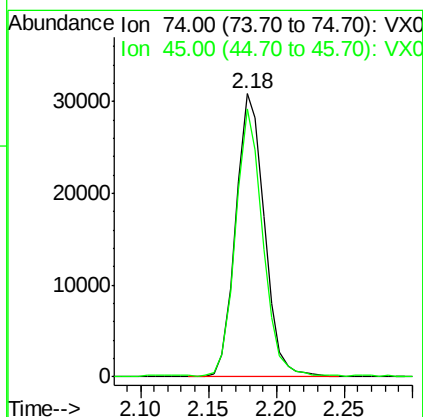
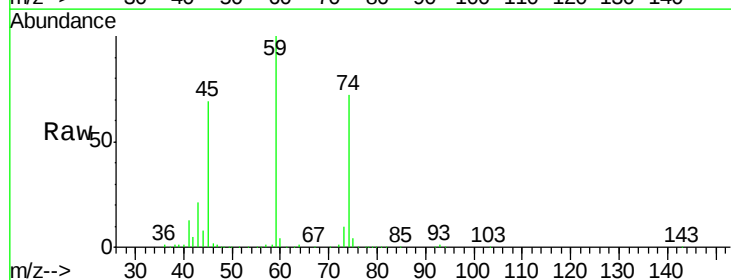
MMDadoda
8/14/2019 11:31:12 AM

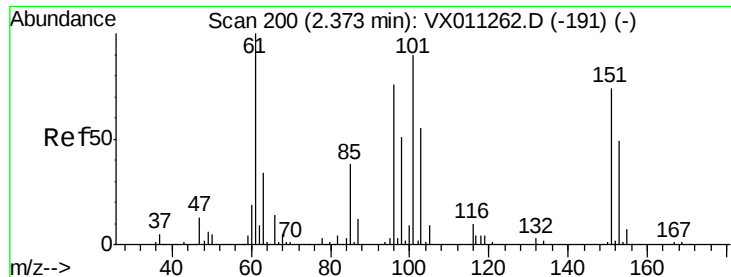


#8

Diethyl Ether
Concen: 41.258 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.6	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.726 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

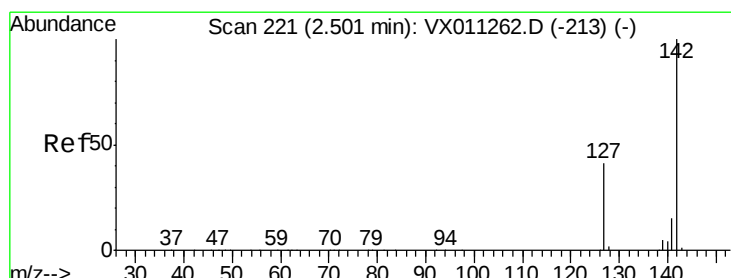
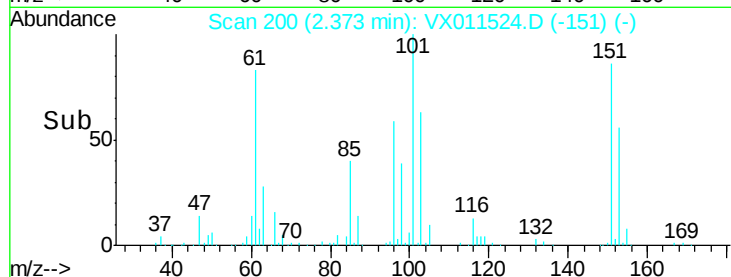
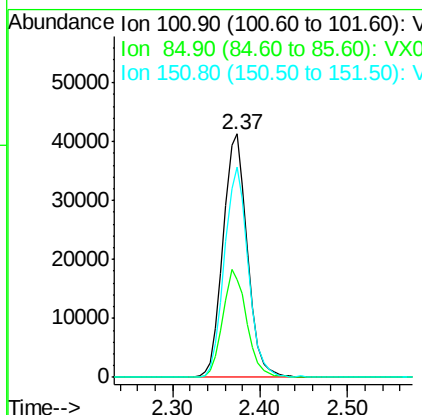
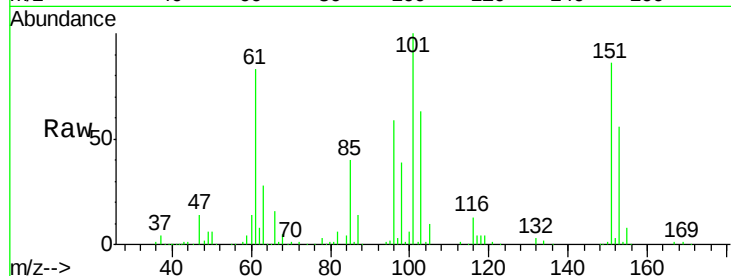
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79429
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.8	50.6
151	85.1	69.5	104.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#10

Methyl Iodide

Concen: 44.917 ug/l

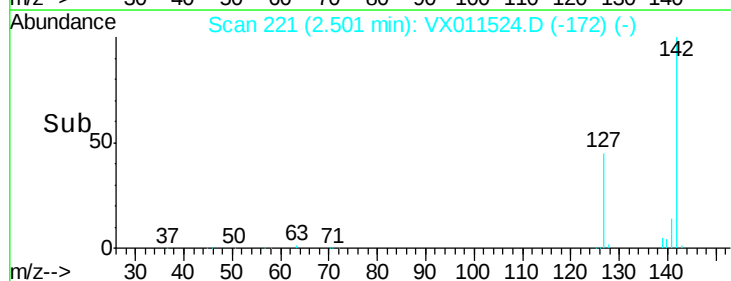
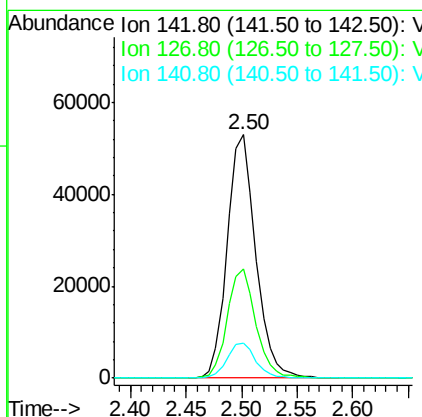
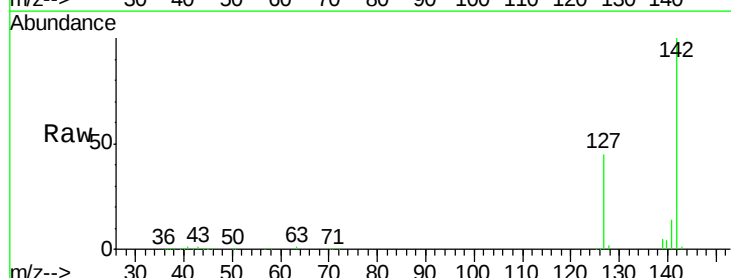
RT: 2.50 min Scan# 221

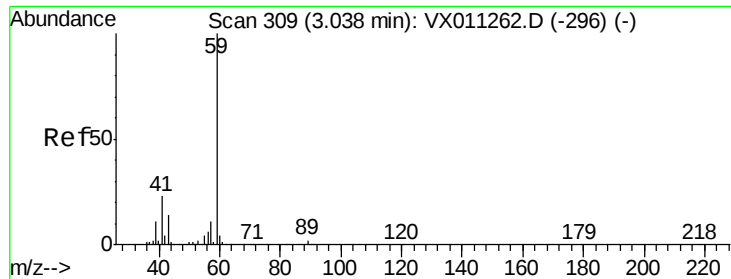
Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	142	Resp:	94246
Ion Ratio	Lower	Upper	
142	100		
127	44.8	33.8	50.8
141	14.4	11.4	17.2





#11

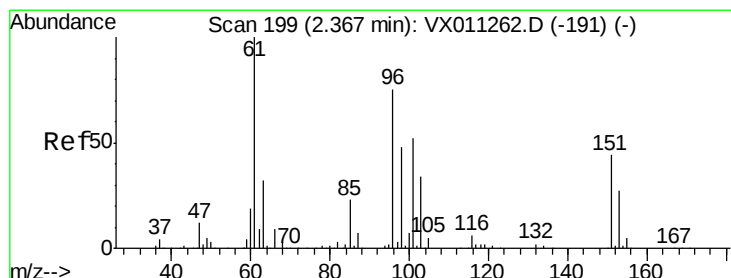
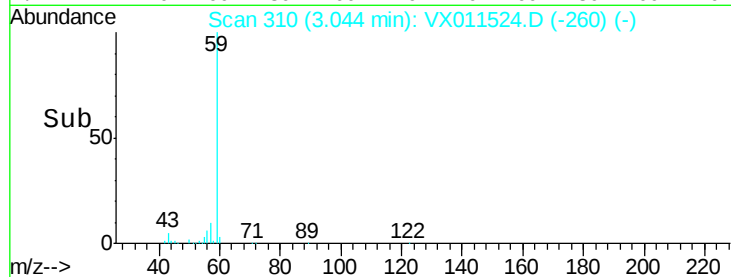
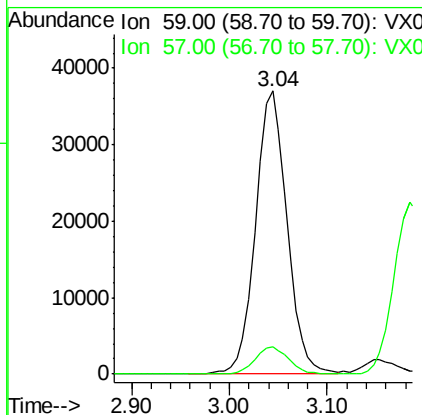
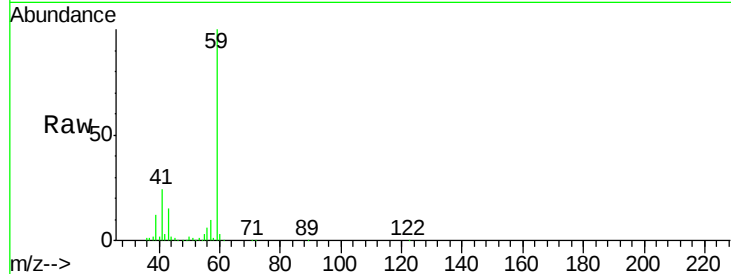
Tert butyl alcohol
Concen: 227.299 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
APPROVED

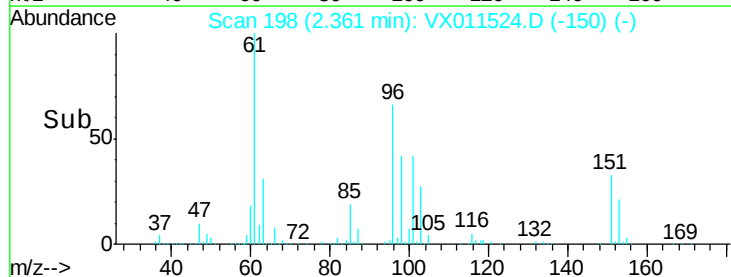
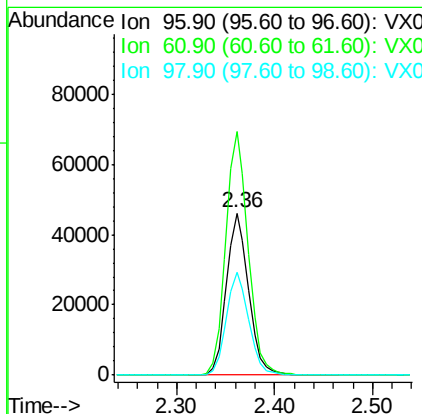
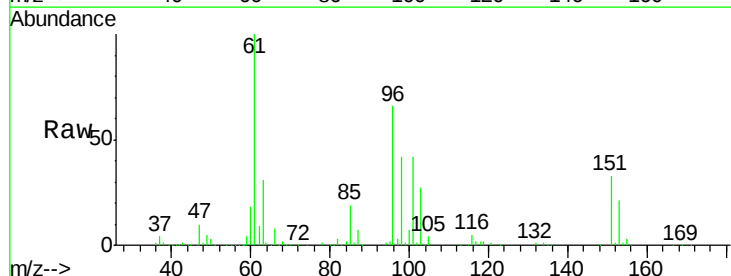
MMDadoda
8/14/2019 11:31:12 AM

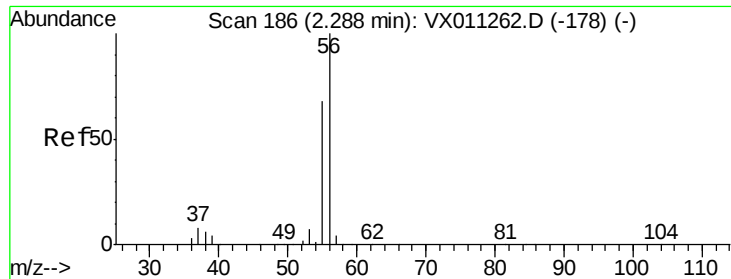


#12

1,1-Dichloroethene
Concen: 43.889 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	106.2	159.2
98	63.5	50.6	75.8





#13

Acrolein

Concen: 228.974 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51822

Ion Ratio Lower Upper

56 100

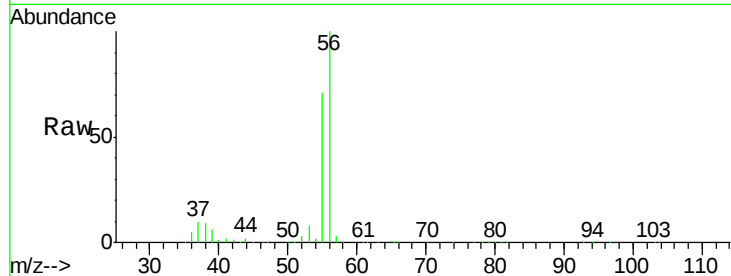
55 70.0 56.0 84.0

Manual Integrations

APPROVED

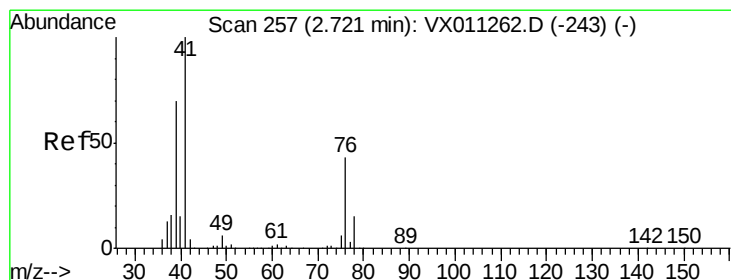
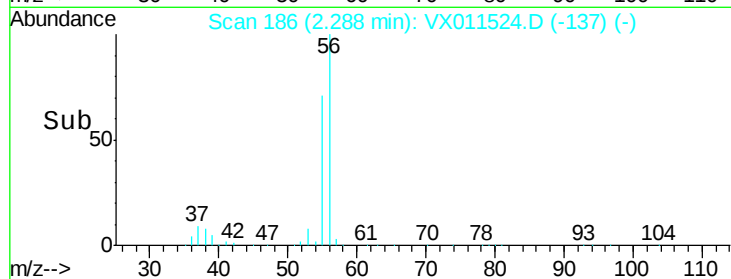
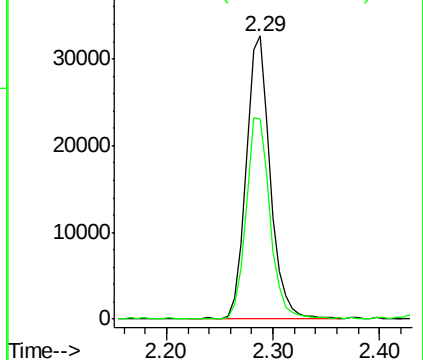
MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.085 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

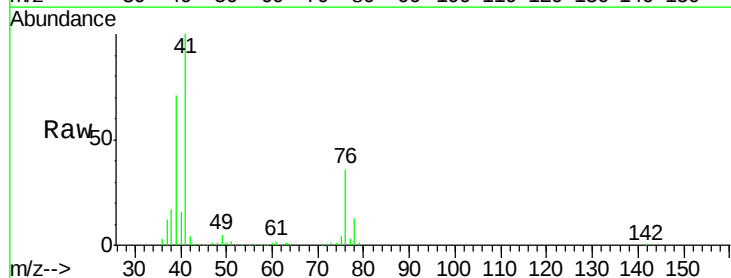
Tgt Ion: 41 Resp: 112352

Ion Ratio Lower Upper

41 100

39 67.9 52.8 79.2

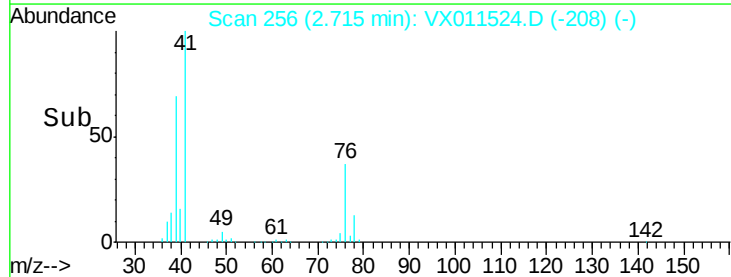
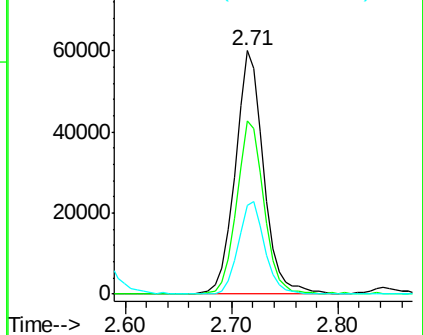
76 35.5 31.1 46.7



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: 237.605 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

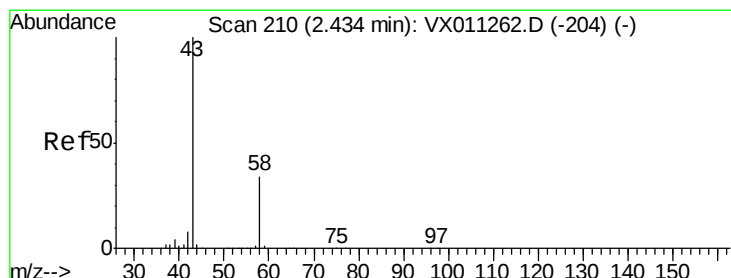
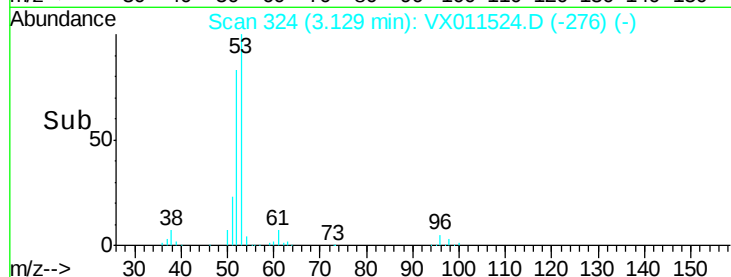
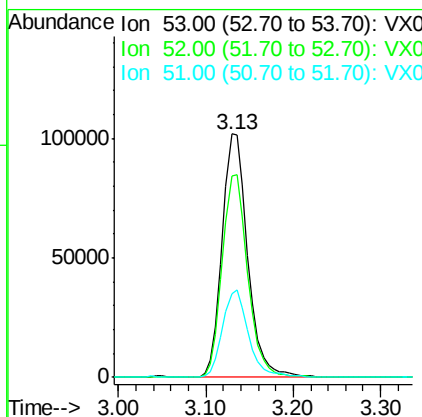
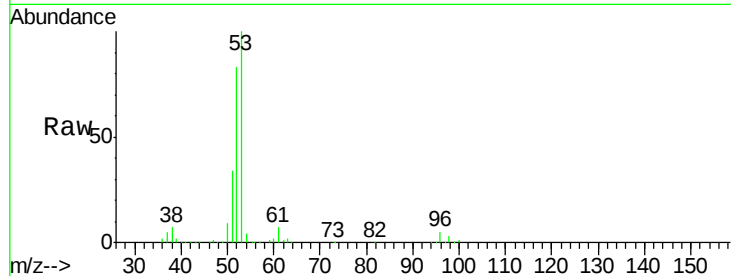
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	206459
Ion Ratio		Lower	Upper
53	100		
52	83.4	65.5	98.3
51	36.8	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#16

Acetone

Concen: 266.959 ug/l

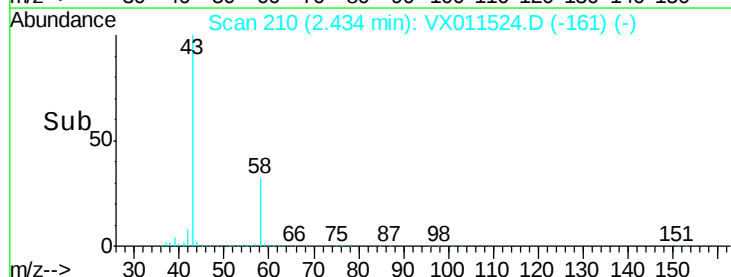
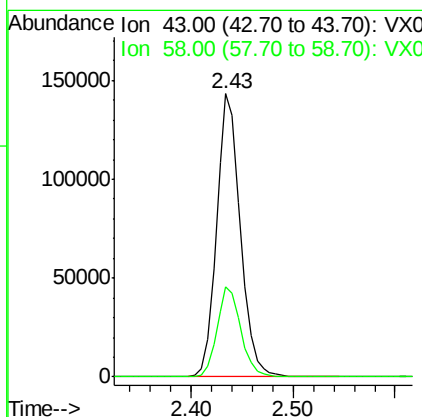
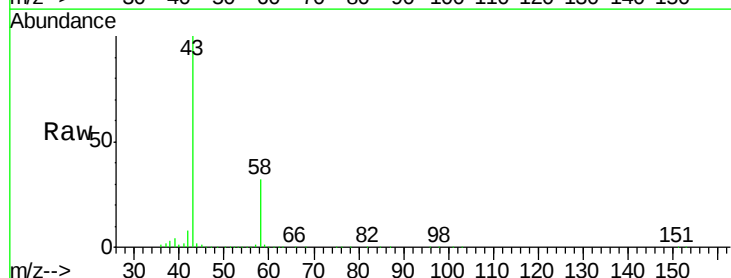
RT: 2.43 min Scan# 210

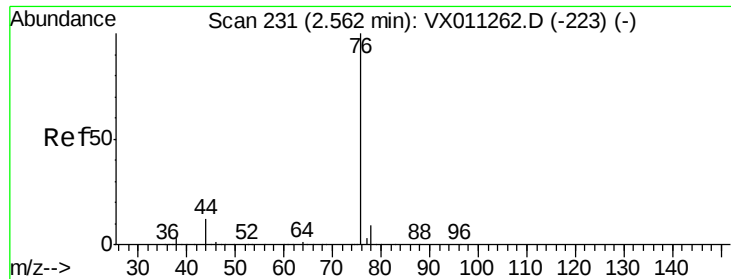
Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	43	Resp:	232027
Ion Ratio		Lower	Upper
43	100		
58	31.6	27.4	41.0





#17

Carbon Disulfide

Concen: 41.404 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 160290

Ion Ratio Lower Upper

76 100

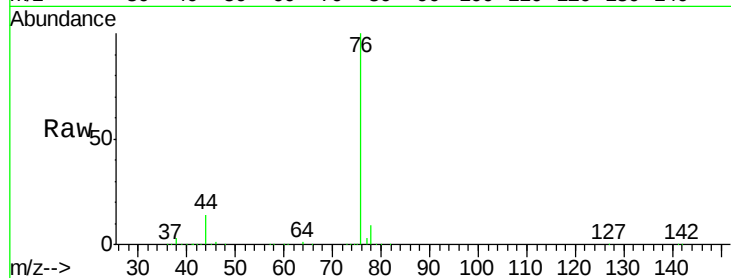
78 9.1 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

100000

80000

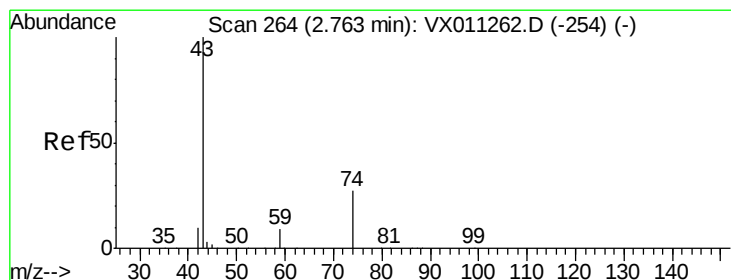
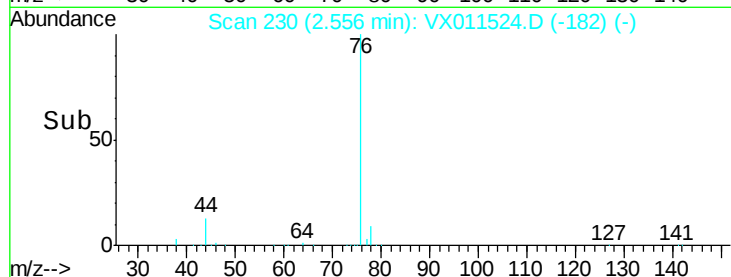
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.818 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011524.D

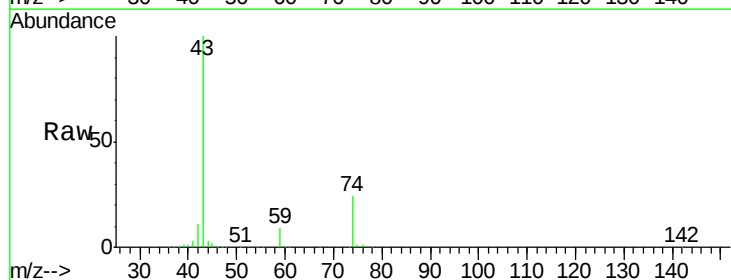
Acq: 13 Aug 2019 10:09

Tgt Ion: 43 Resp: 98950

Ion Ratio Lower Upper

43 100

74 24.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

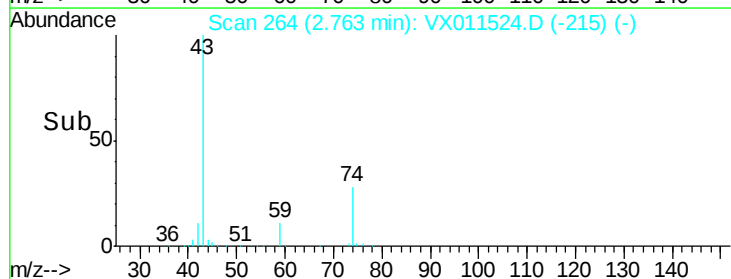
60000

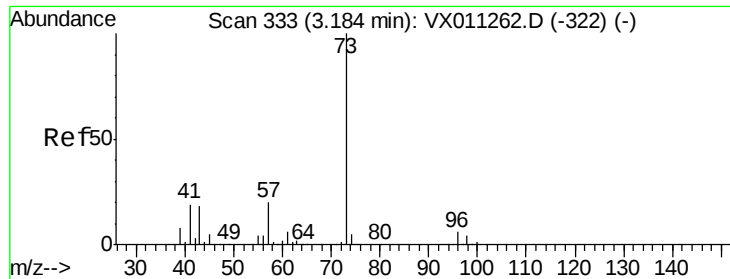
40000

20000

0

Time-->





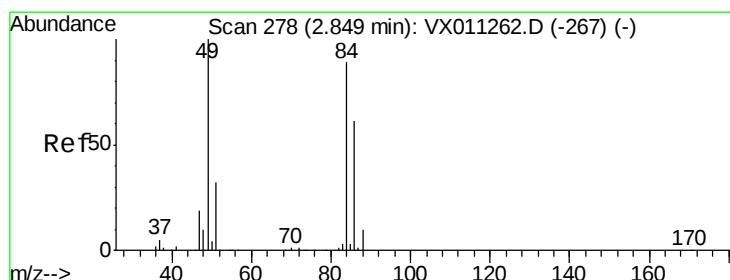
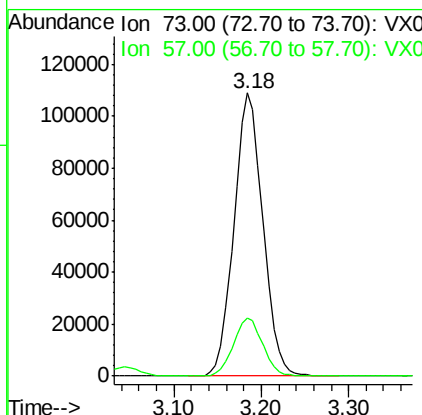
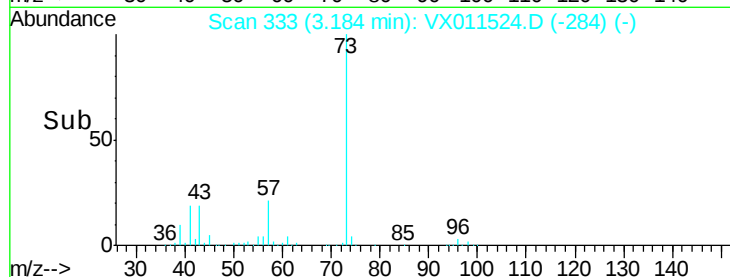
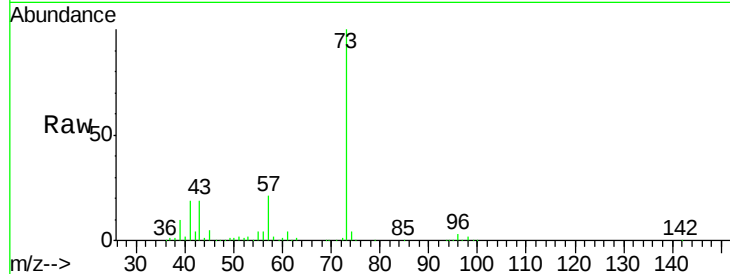
#19
Methvl tert-butvl Ether
Concen: 51.468 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.2	24.2

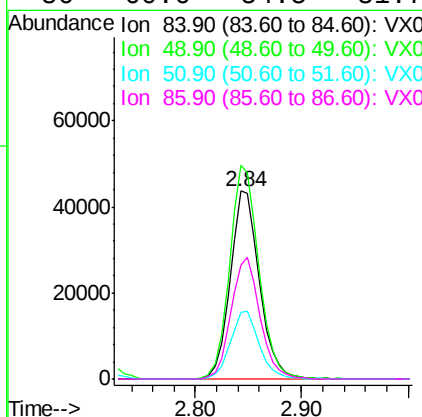
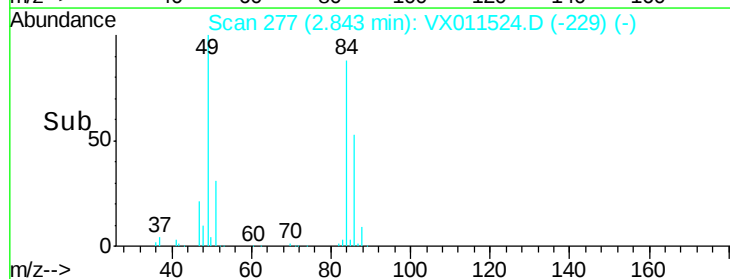
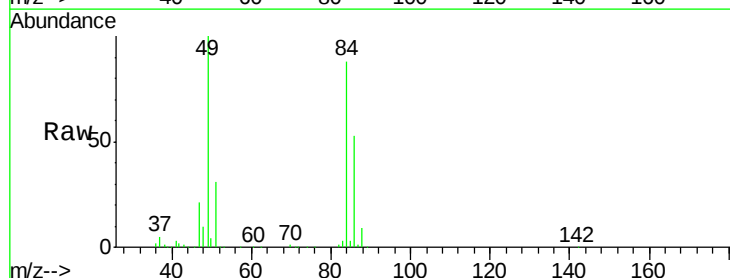
Manual Integrations
APPROVED

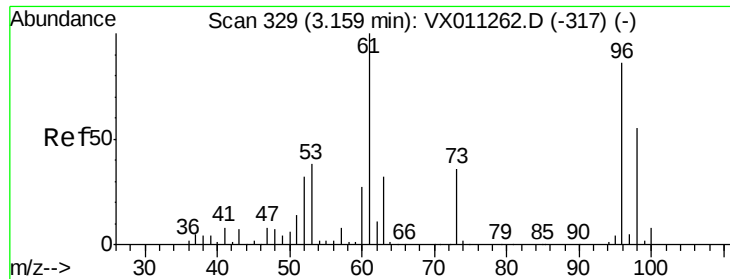
MMDadoda
8/14/2019 11:31:12 AM



#20
Methylene Chloride
Concen: 44.010 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.7	89.3	133.9
51	35.7	28.3	42.5
86	60.6	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 45.014 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 78555

Ion Ratio Lower Upper

96 100

61 132.4 92.8 139.2

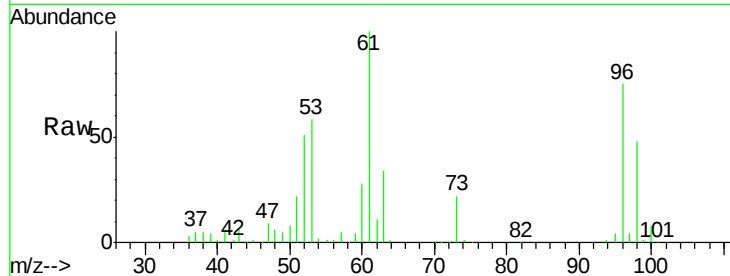
98 63.2 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

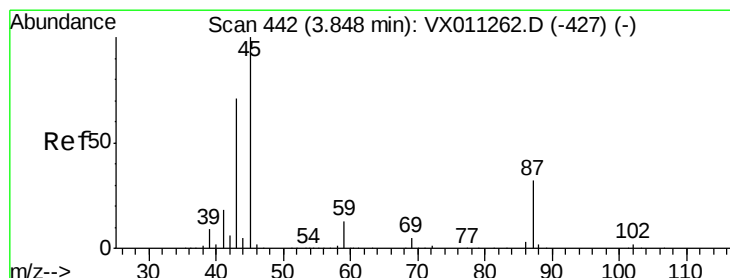
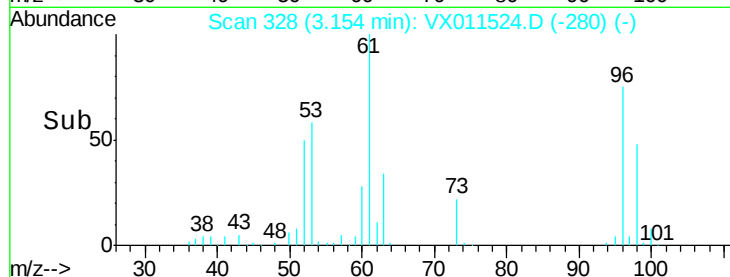
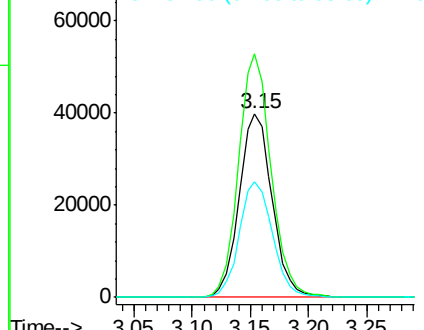
8/14/2019 11:31:12 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.204 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion: 45 Resp: 242675

Ion Ratio Lower Upper

45 100

43 74.7 56.8 85.2

87 28.9 25.8 38.6

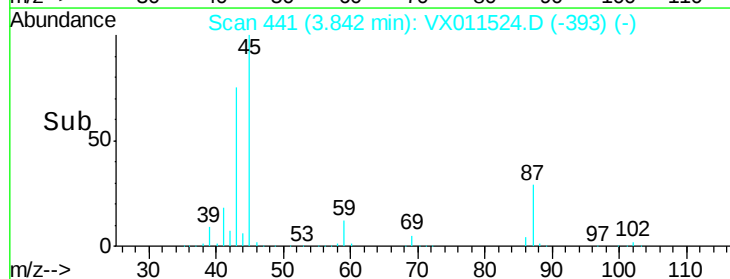
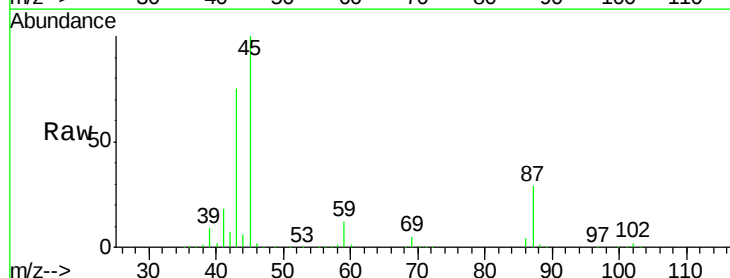
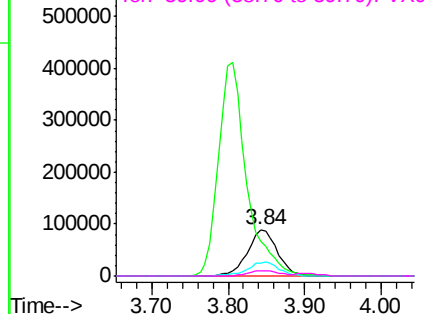
59 12.3 10.3 15.5

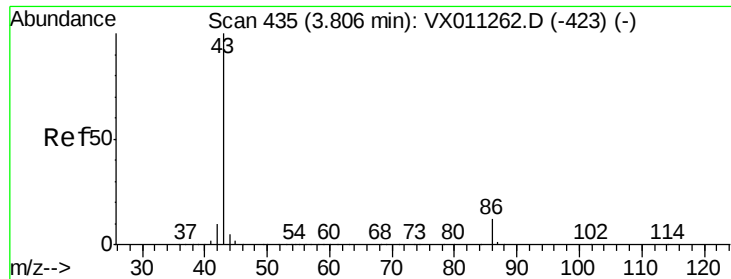
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 262.475 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1052306

Ion Ratio Lower Upper

43 100

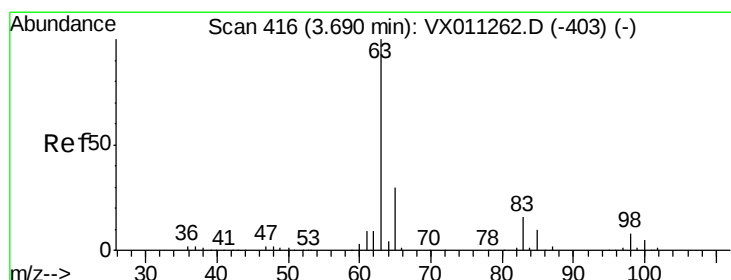
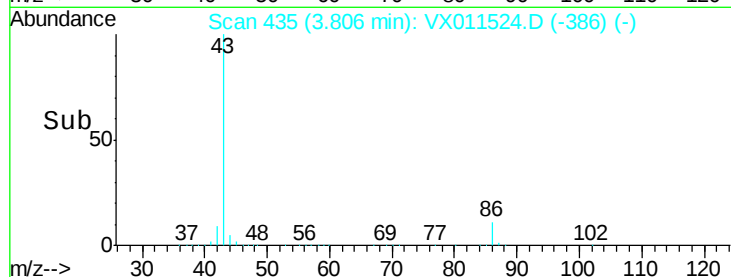
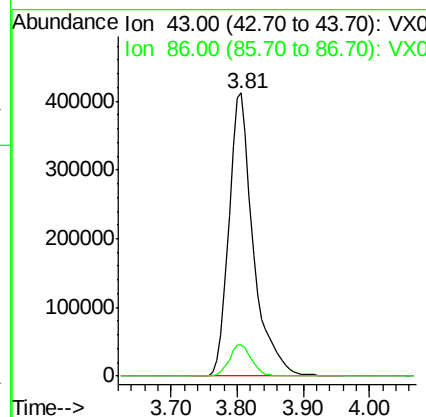
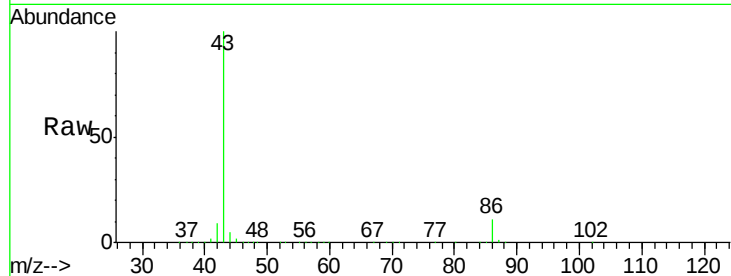
86 11.1 9.6 14.4

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:12 AM



#24

1,1-Dichloroethane

Concen: 48.694 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

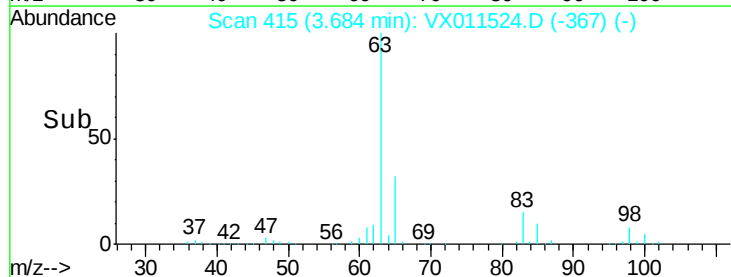
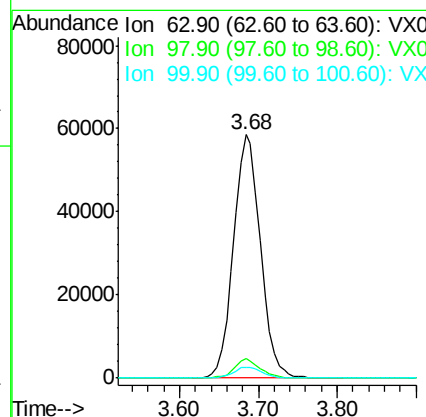
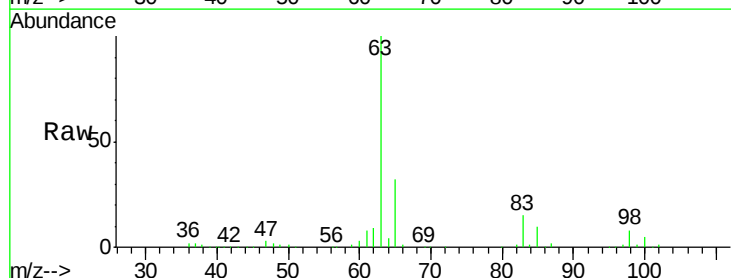
Tgt Ion: 63 Resp: 138793

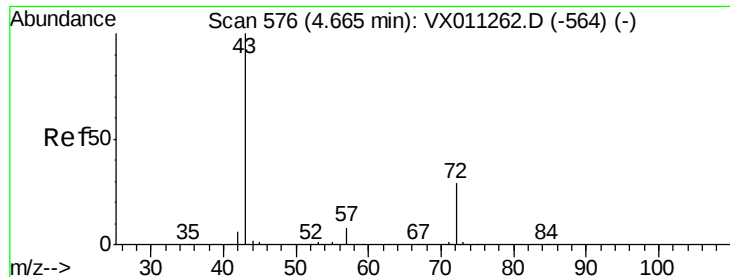
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 4.6 2.7 8.1





#25

2-Butanone

Concen: 248.007 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 306627

Ion Ratio Lower Upper

43 100

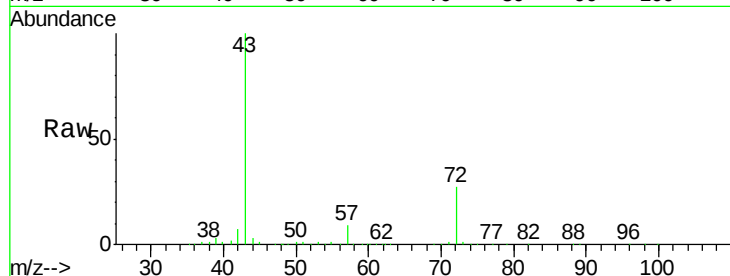
72 27.2 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

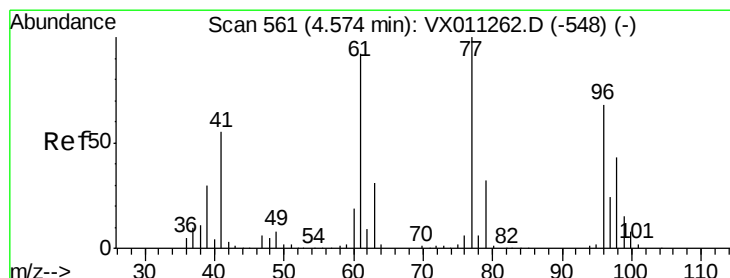
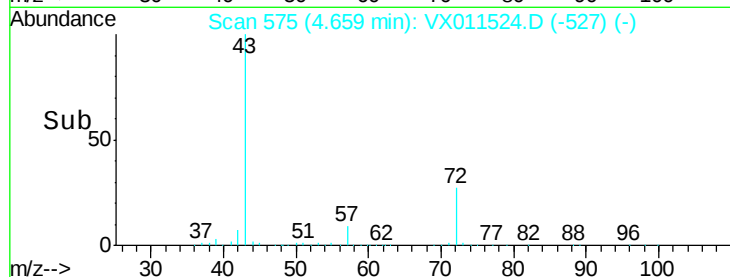
20000

0

4.66

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 55.103 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011524.D

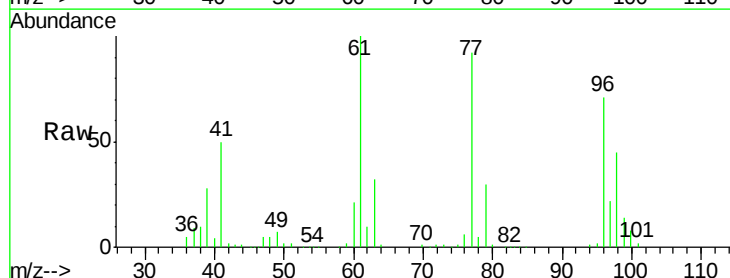
Acq: 13 Aug 2019 10:09

Tgt Ion: 77 Resp: 122090

Ion Ratio Lower Upper

77 100

97 23.7 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

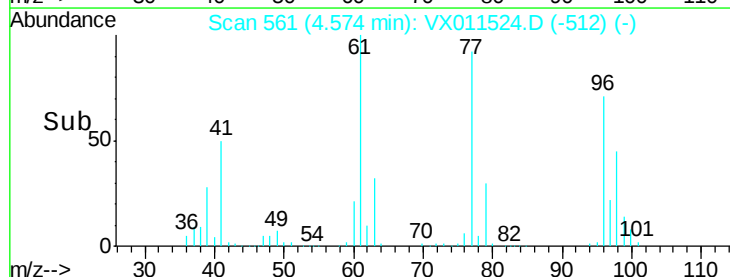
10000

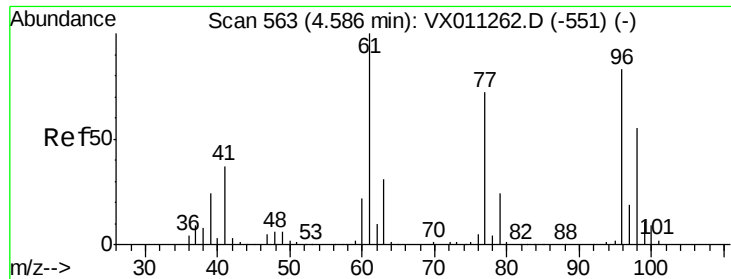
0

4.57

4.40 4.50 4.60 4.70

Time-->





#27

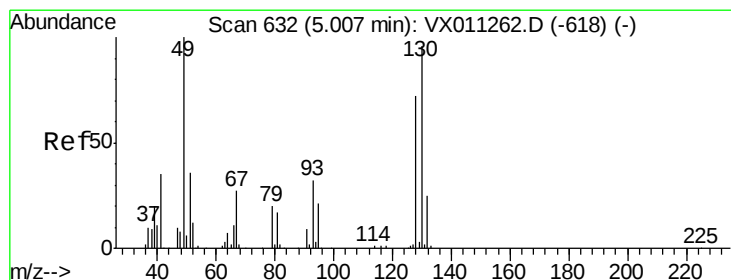
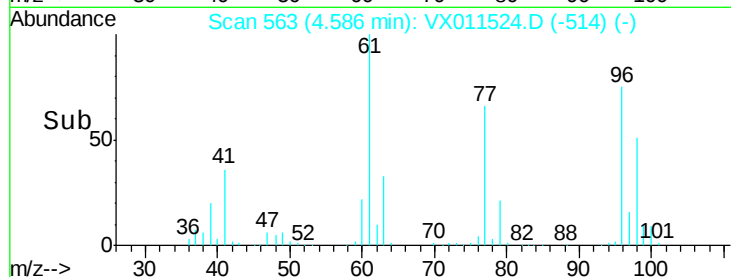
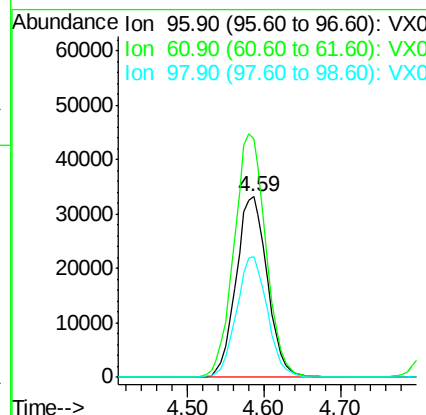
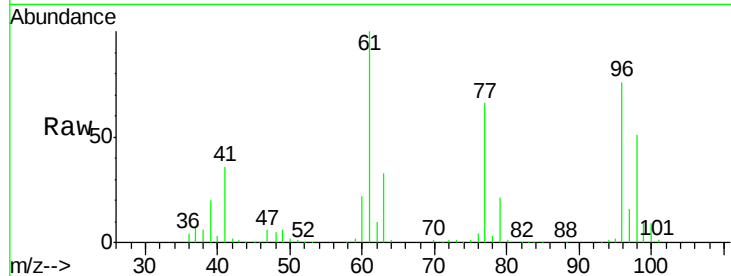
cis-1,2-Dichloroethene
Concen: 46.751 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.3	0.0	260.2	
98	65.6	0.0	133.2	

Manual Integrations
APPROVED

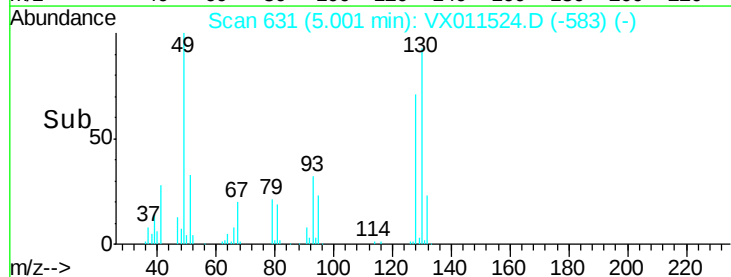
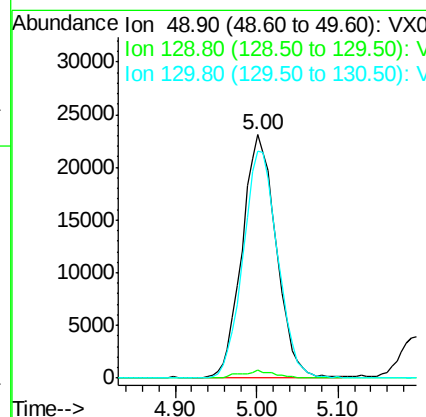
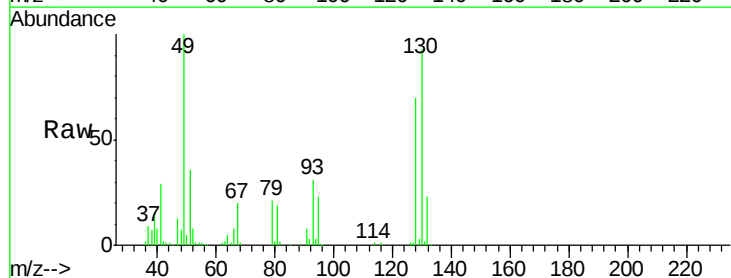
MMDadoda
8/14/2019 11:31:12 AM

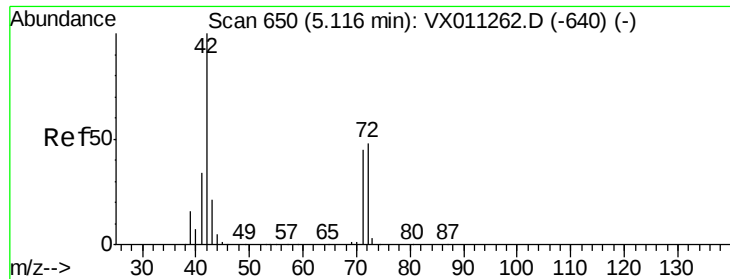


#28

Bromochloromethane
Concen: 51.855 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.0	0.0	5.8	
130	94.3	77.9	116.9	





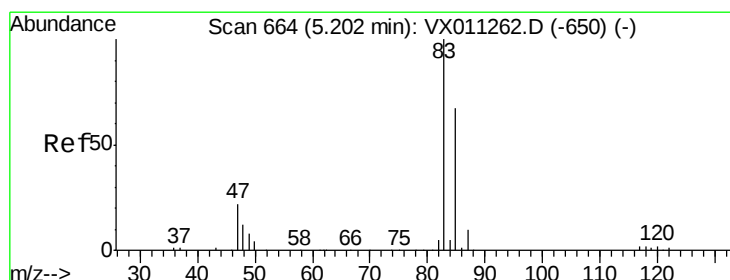
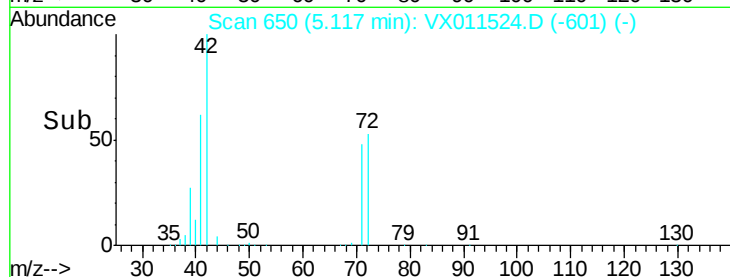
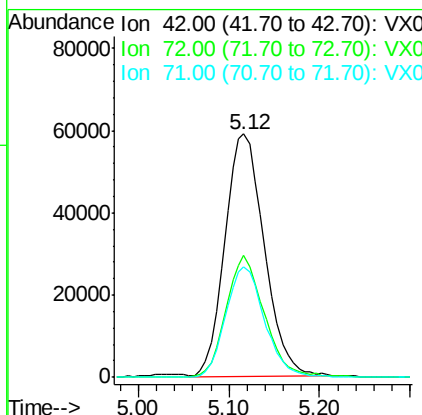
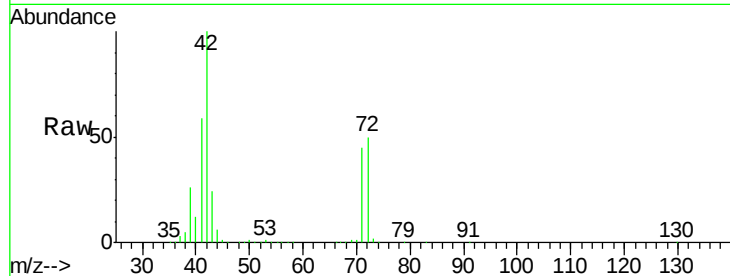
#29
Tetrahydrofuran
Concen: 235.712 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.9	59.9
71	45.0	36.9	55.3

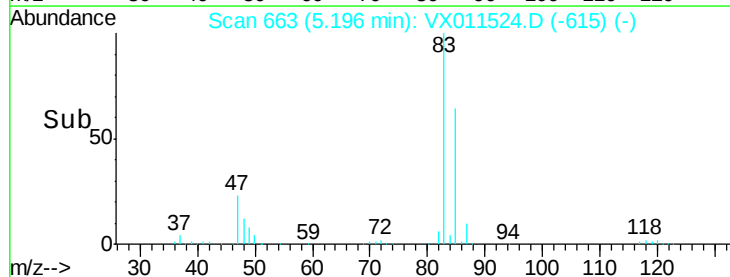
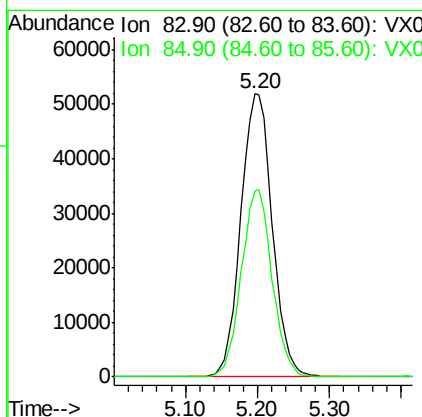
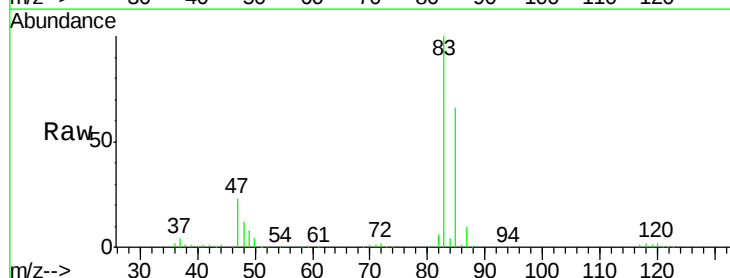
Manual Integrations
APPROVED

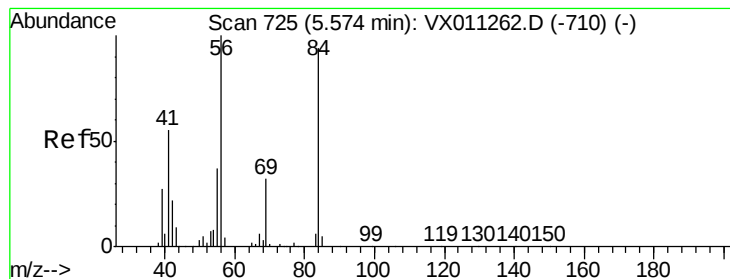
MMDadoda
8/14/2019 11:31:12 AM



#30
Chloroform
Concen: 50.782 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.4	80.0





#31

Cyclohexane

Concen: 46.601 ug/l

RT: 5.56 min Scan# 723

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

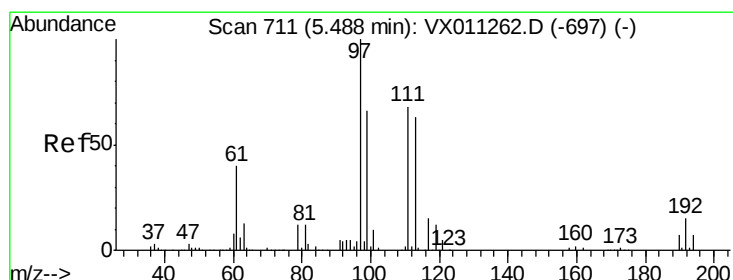
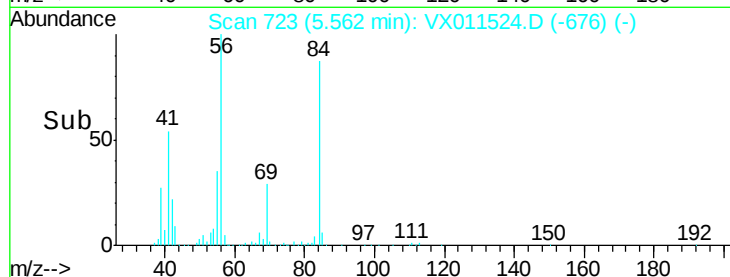
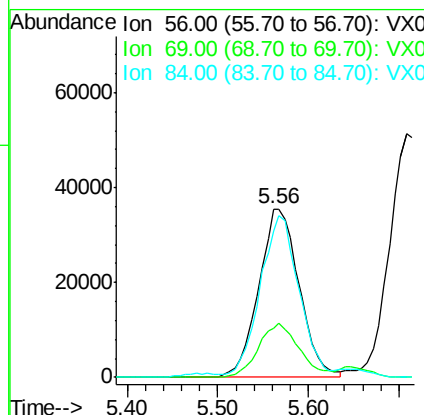
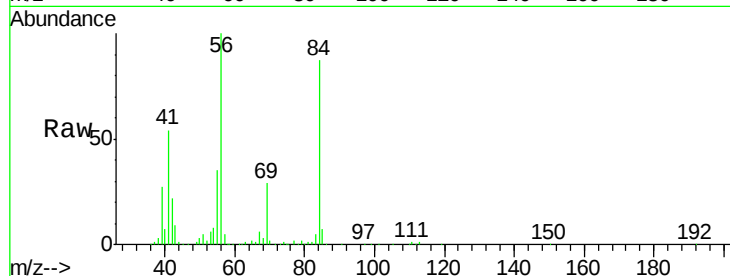
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	109583
Ion	Ratio	Lower	Upper
56	100		
69	29.2	25.5	38.3
84	84.8	75.0	112.4

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#32

1,1,1-Trichloroethane

Concen: 52.126 ug/l

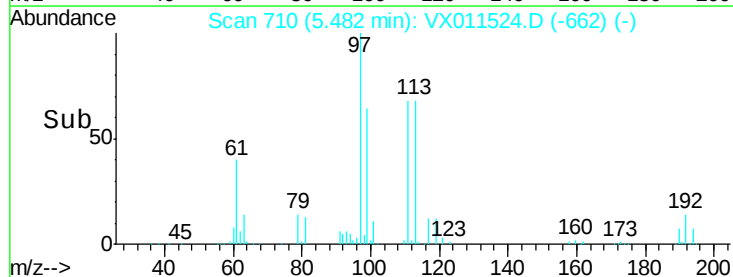
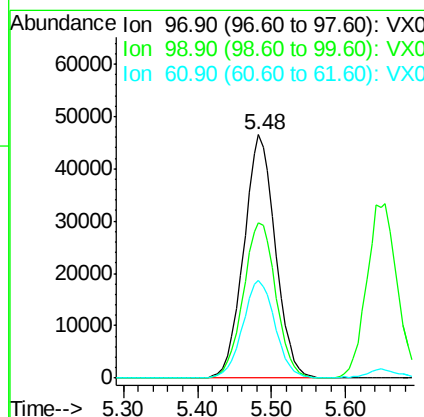
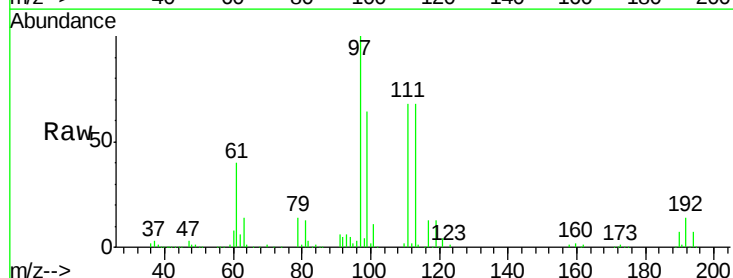
RT: 5.48 min Scan# 710

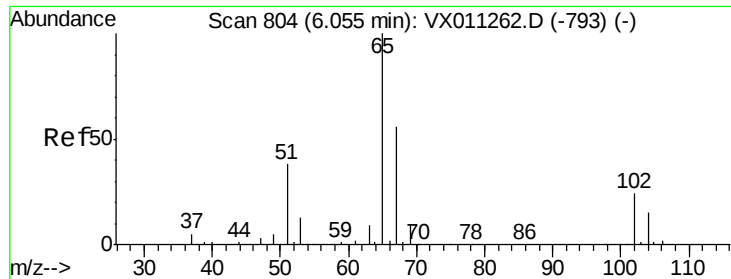
Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion	97	Resp	138330
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.6	77.4
61	41.3	32.3	48.5





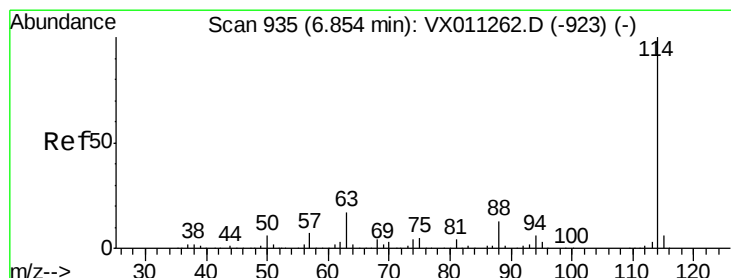
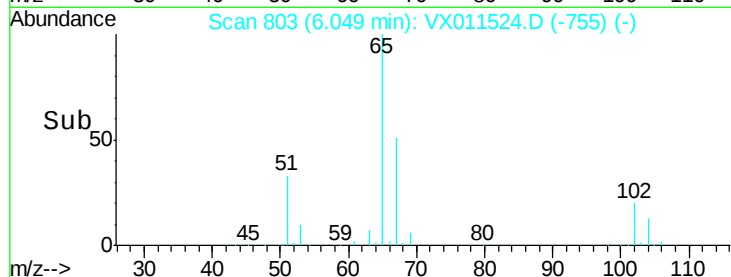
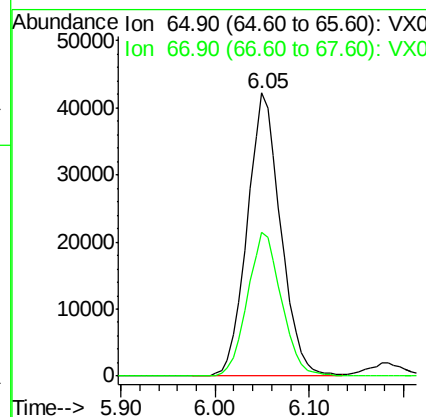
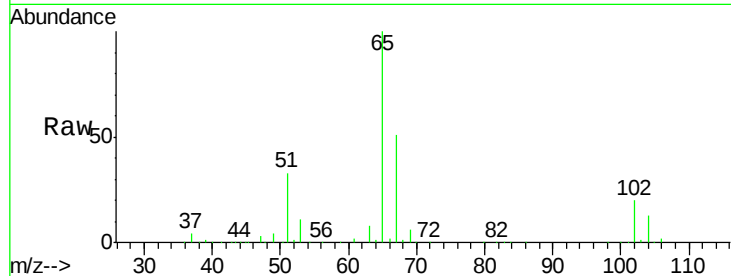
#33
 1,2-Dichloroethane-d4
 Concen: 57.505 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105005		
67	51.7	0.0	110.6	

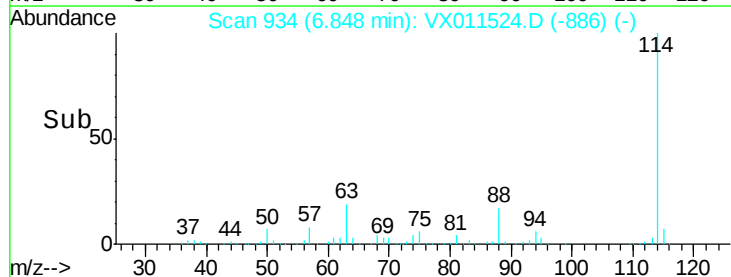
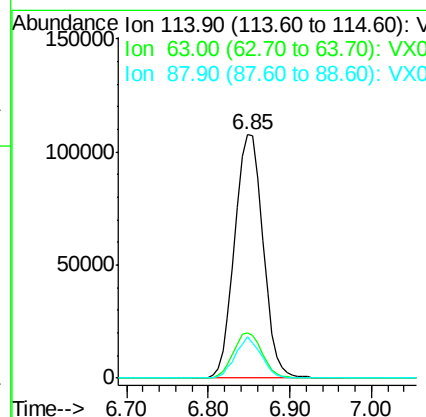
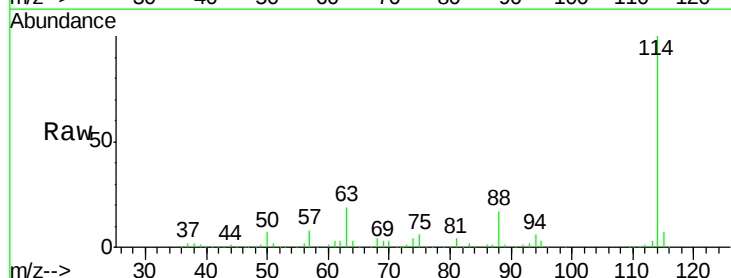
Manual Integrations
 APPROVED

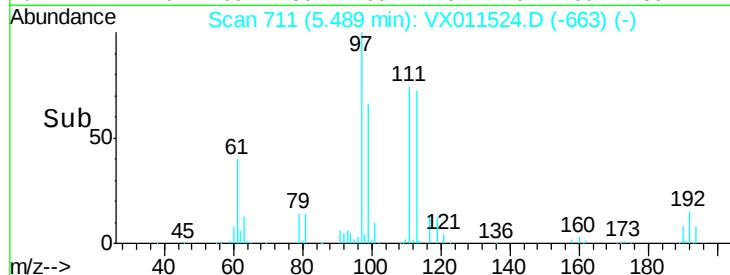
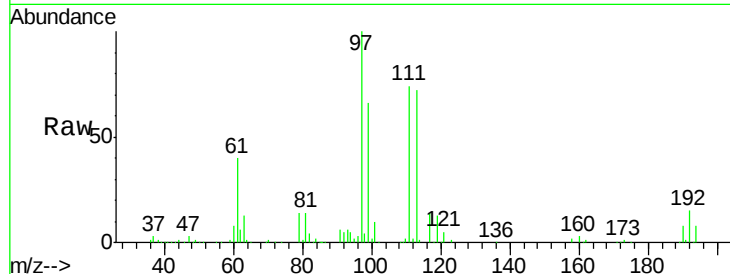
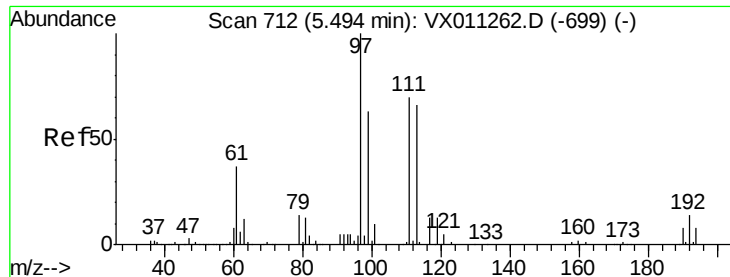
MMDadoda
 8/14/2019 11:31:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	259082		
63	18.6	0.0	34.0	
88	16.8	0.0	26.4	





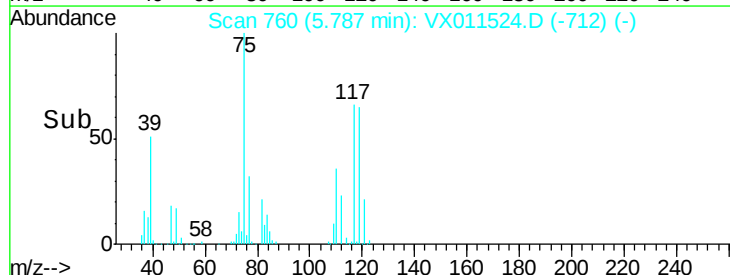
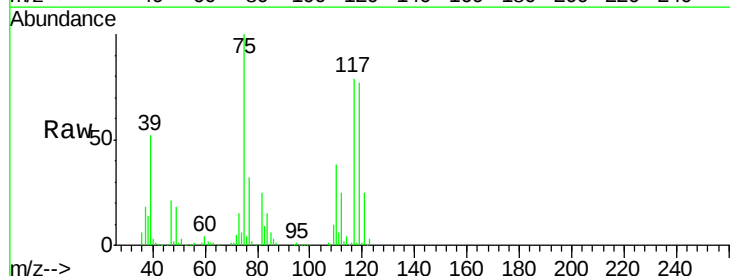
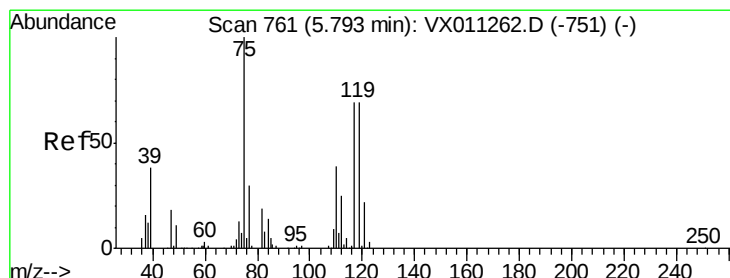
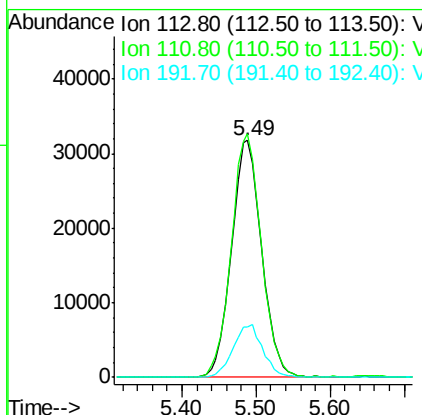
#35
Dibromofluoromethane
Concen: 53.472 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tot Ion:	113	Resp:	90447
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.9	122.9
192	21.8	17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

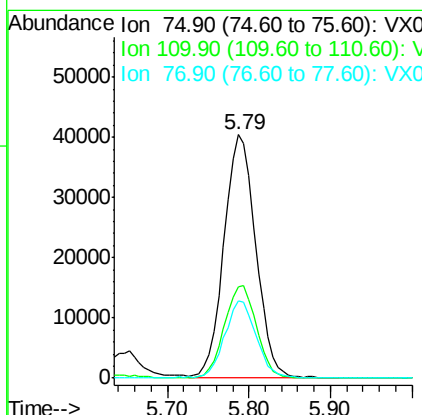
Manual Integrations
APPROVED

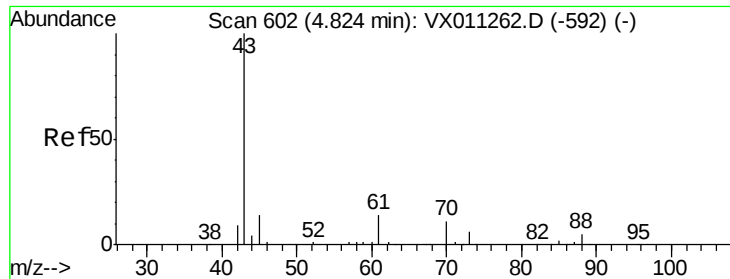
MMDadoda
8/14/2019 11:31:12 AM



#36
1,1-Dichloropropene
Concen: 48.296 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion:	75	Resp:	109247
Ion Ratio	Lower	Upper	
75	100		
110	38.3	20.0	59.9
77	31.3	24.8	37.2





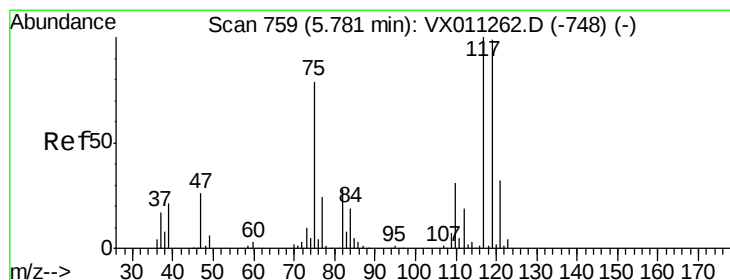
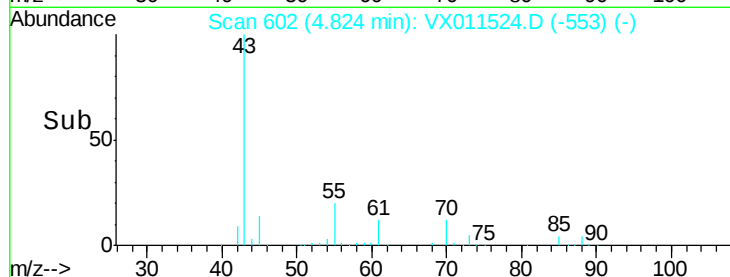
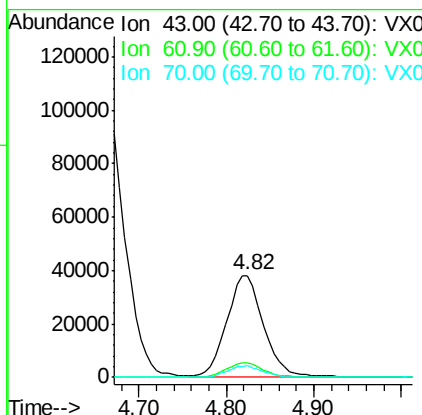
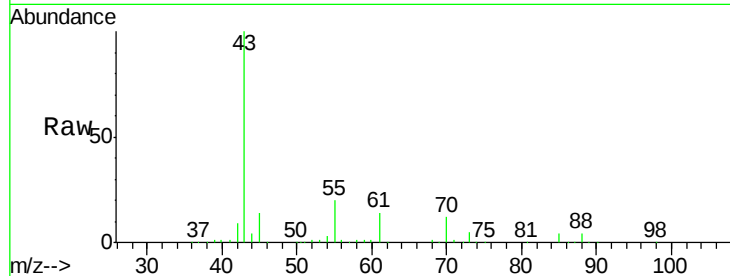
#37
Ethyl Acetate
Concen: 48.710 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.6	18.8
70	11.4	9.1	13.7

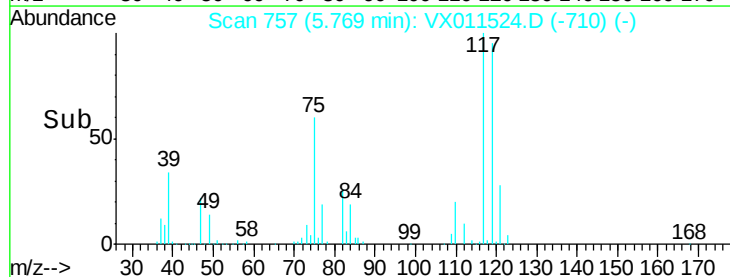
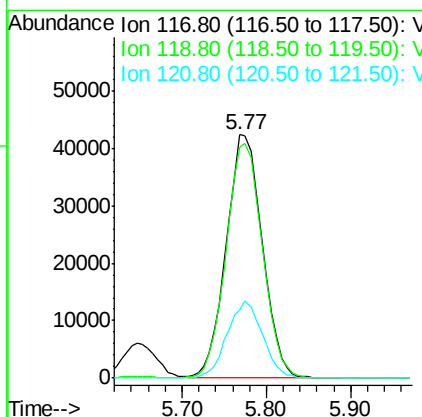
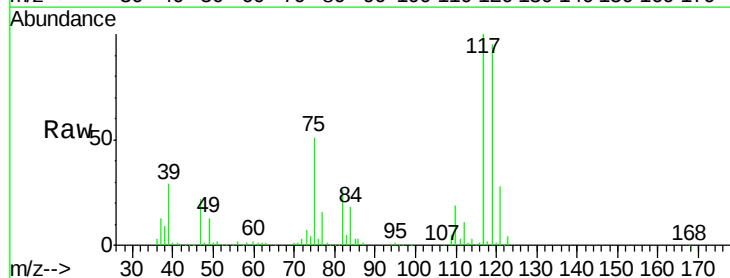
Manual Integrations
APPROVED

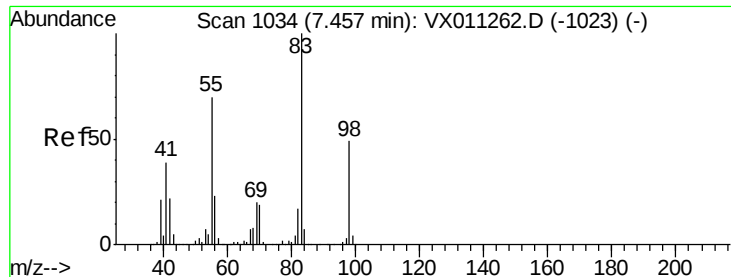
MMDadoda
8/14/2019 11:31:12 AM



#38
Carbon Tetrachloride
Concen: 54.107 ug/l
RT: 5.77 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	79.0	118.4
121	28.1	25.9	38.9





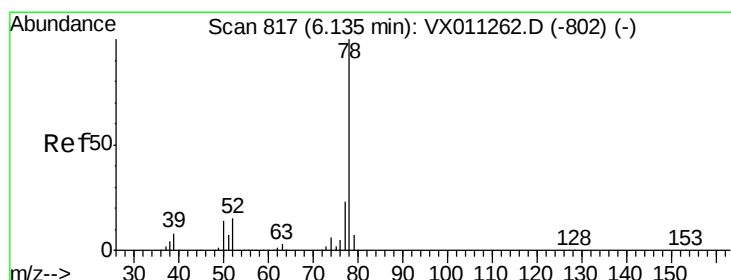
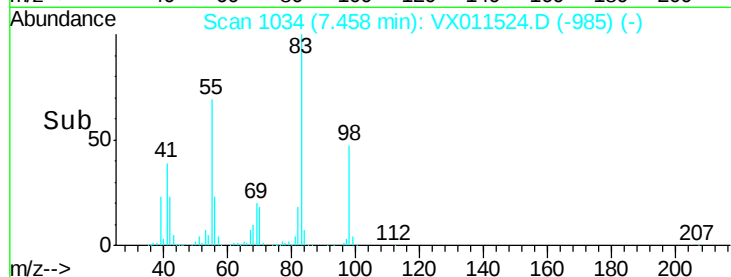
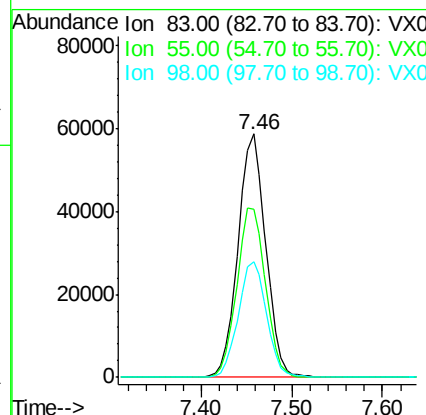
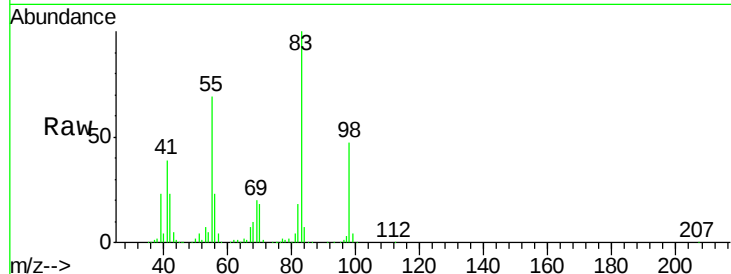
#39
Methvlcvclohexane
Concen: 46.255 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	124021		
55	69.0		56.1	84.1
98	47.5		39.0	58.4

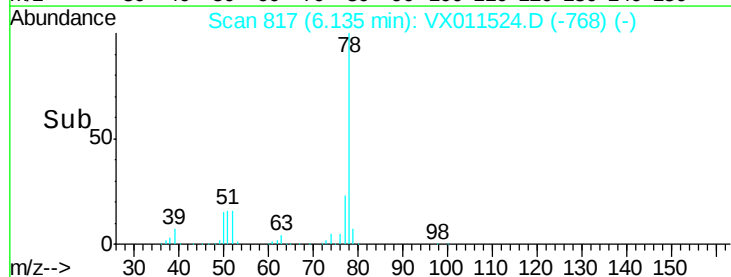
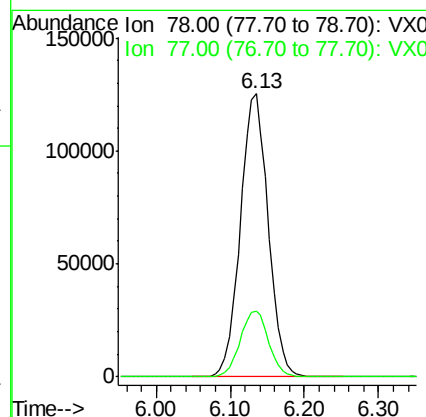
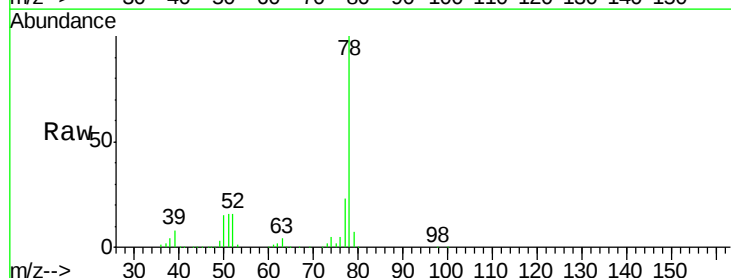
Manual Integrations
APPROVED

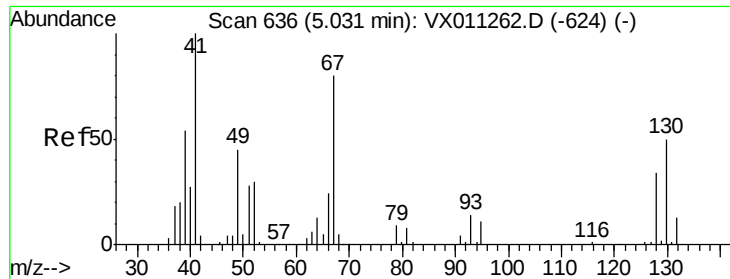
MMDadoda
8/14/2019 11:31:12 AM



#40
Benzene
Concen: 48.620 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	328188		
77	23.4		18.2	27.2





#41

Methacrylonitrile

Concen: 49.622 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

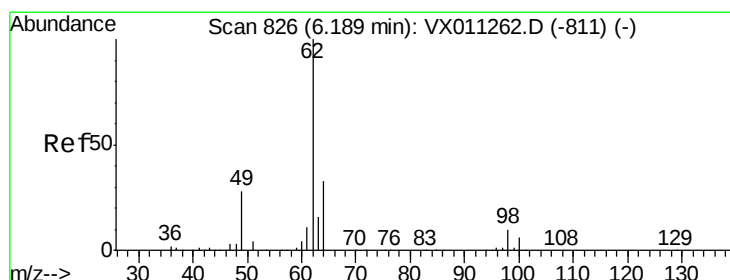
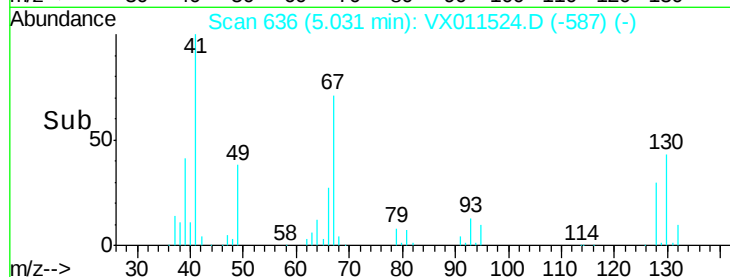
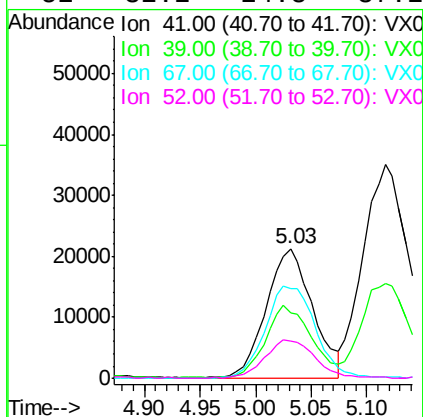
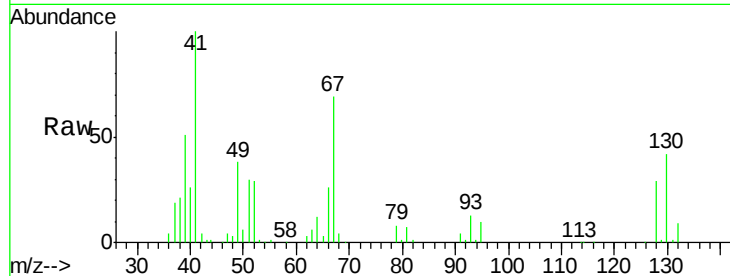
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	61490
Ion	Ratio	Lower	Upper
41	100		
39	55.4	43.0	64.6
67	77.5	65.1	97.7
52	32.2	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#42

1,2-Dichloroethane

Concen: 54.348 ug/l

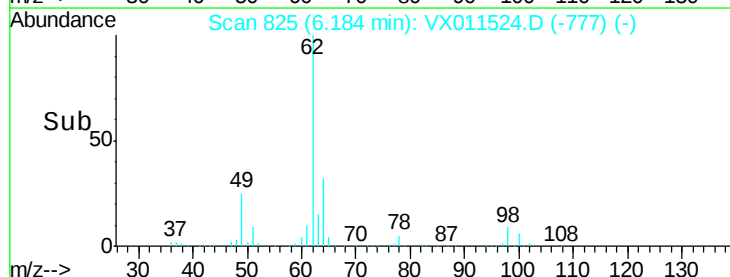
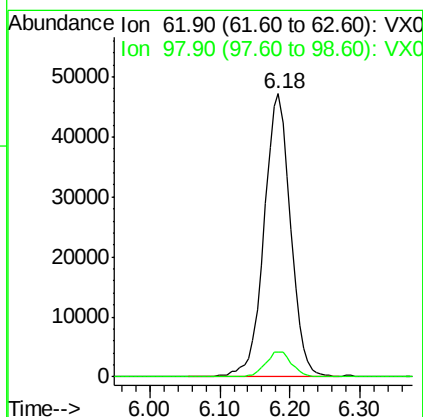
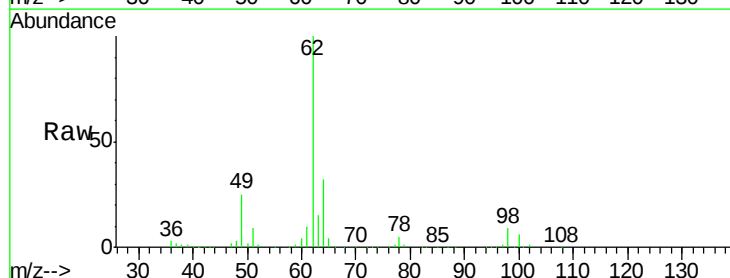
RT: 6.18 min Scan# 825

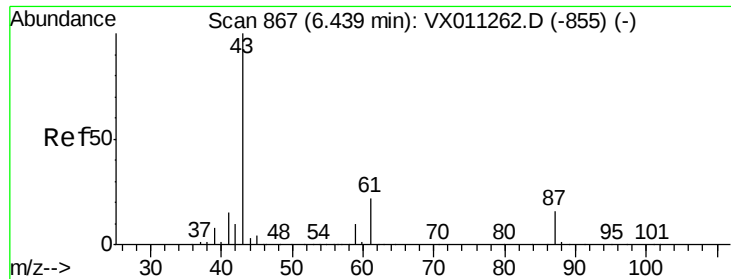
Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	62	Resp:	124051
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.6





#43

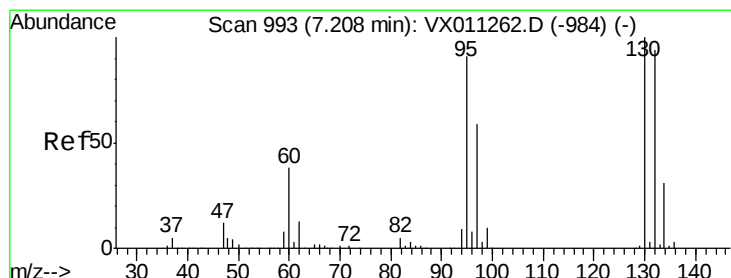
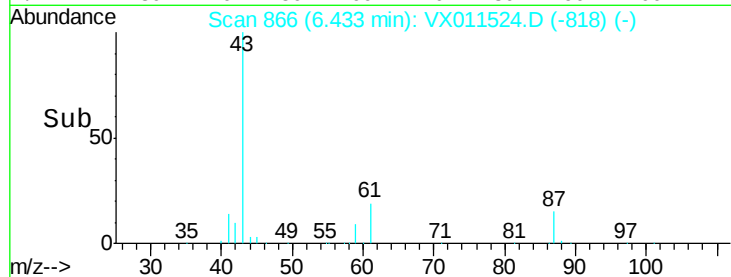
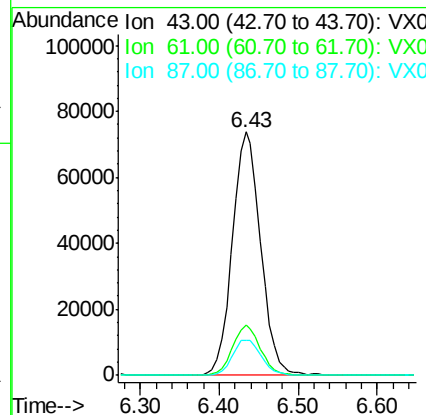
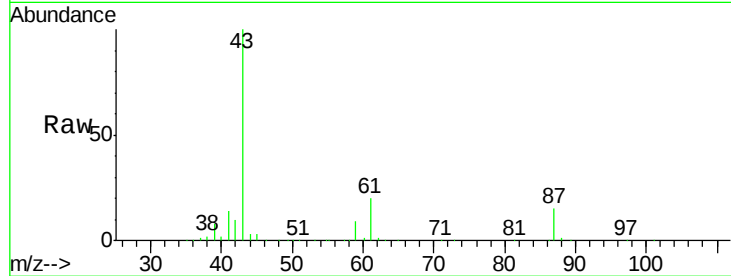
Isopropyl Acetate
 Concen: 50.501 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.5	24.7
87	14.9	12.1	18.1

Manual Integrations
 APPROVED

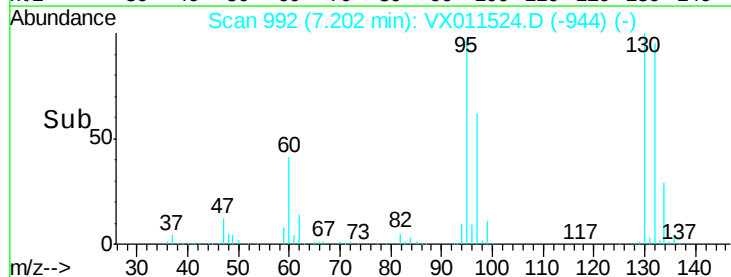
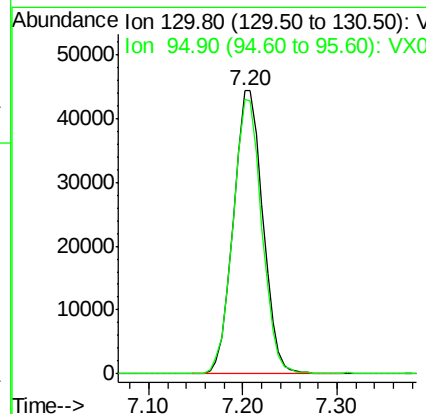
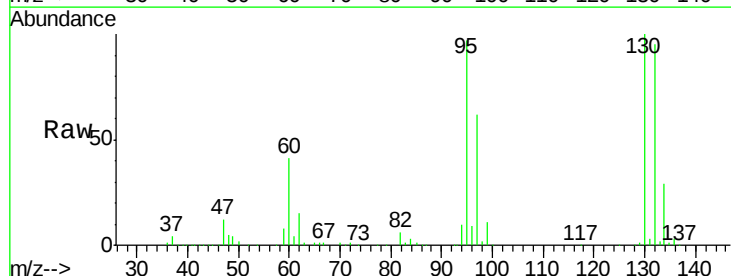
MMDadoda
 8/14/2019 11:31:12 AM

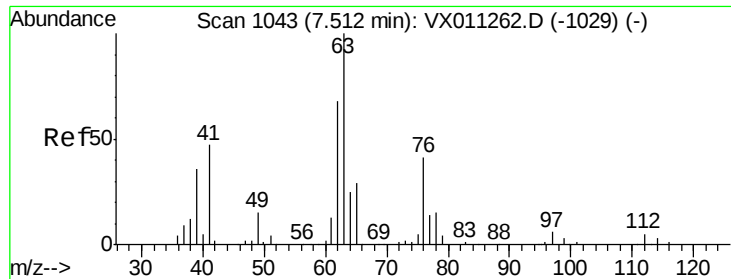


#44

Trichloroethene
 Concen: 47.191 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	182.6





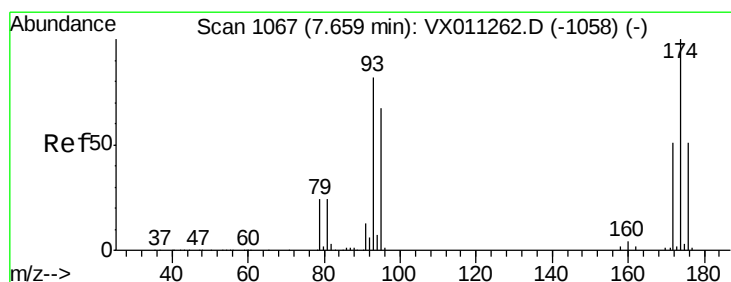
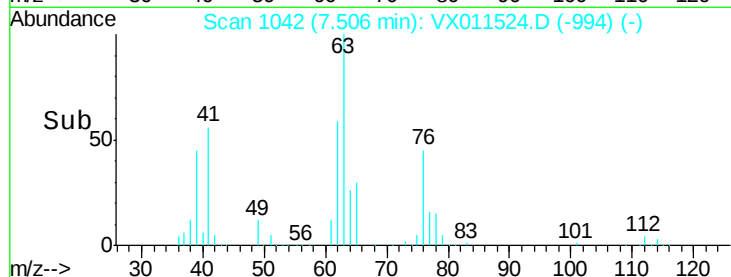
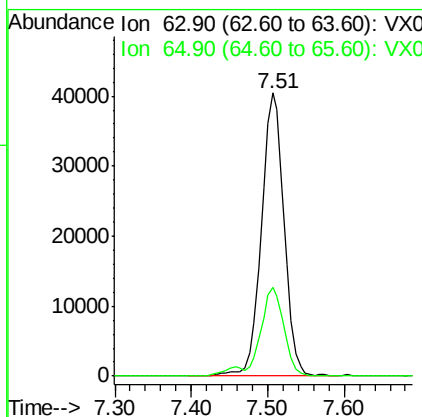
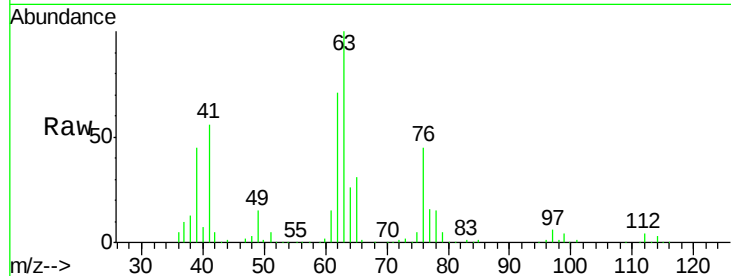
#45
 1,2-Dichloropropane
 Concen: 47.997 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 83906
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.3 34.9

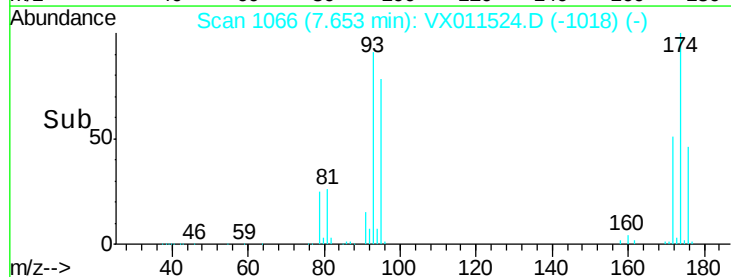
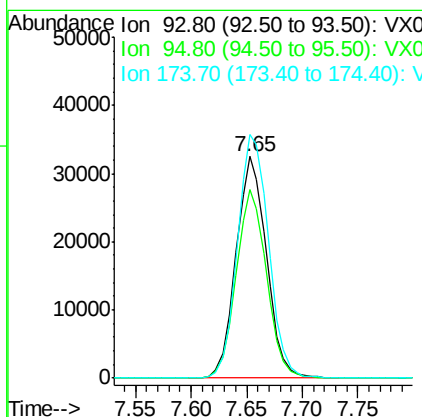
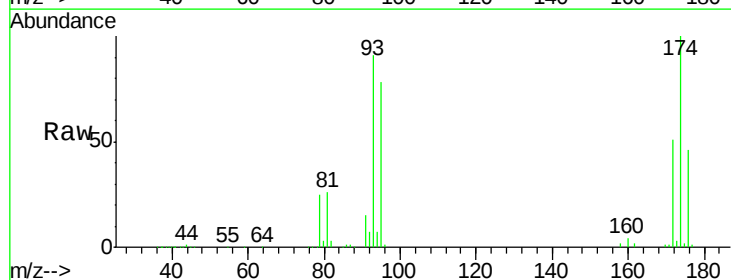
Manual Integrations
 APPROVED

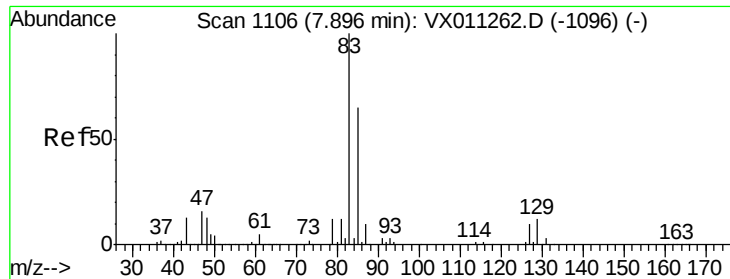
MMDadoda
 8/14/2019 11:31:12 AM



#46
 Dibromomethane
 Concen: 48.255 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Tgt Ion: 93 Resp: 61582
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.4 99.6
 174 112.4 93.4 140.2





#47

Bromodichloromethane

Concen: 53.944 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

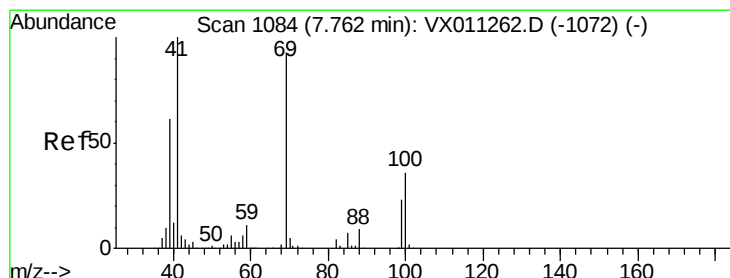
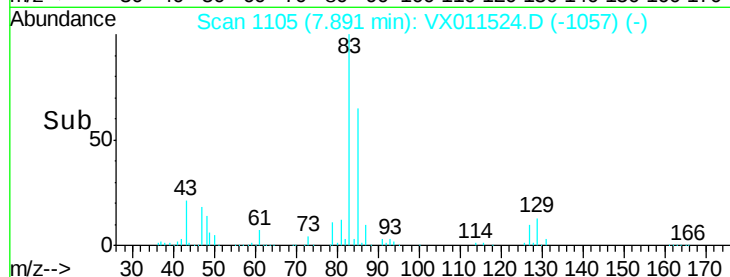
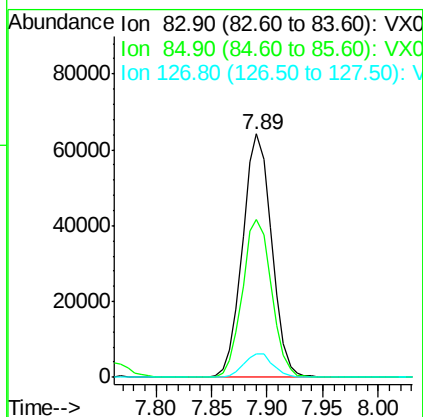
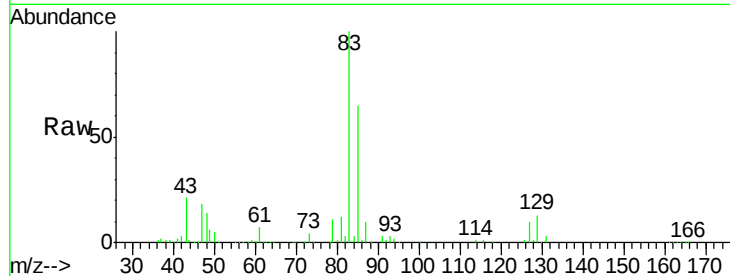
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	116554
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.2	78.2
127	9.5	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#48

Methyl methacrylate

Concen: 52.960 ug/l

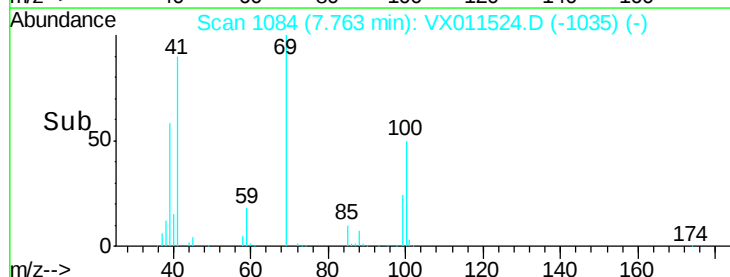
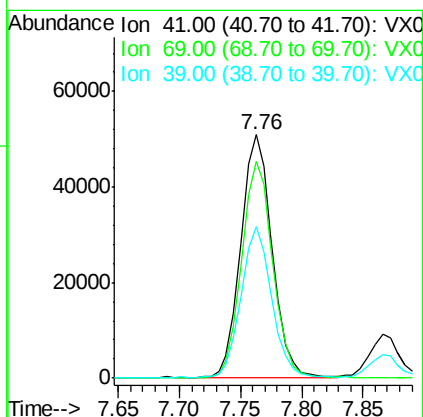
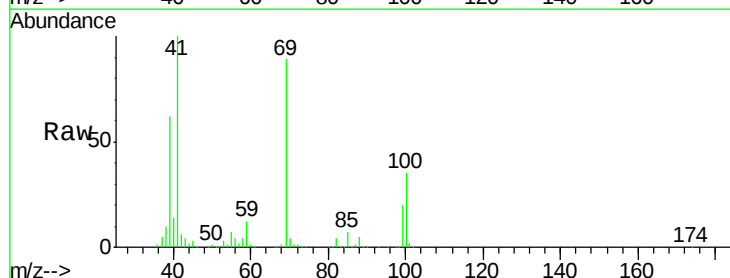
RT: 7.76 min Scan# 1084

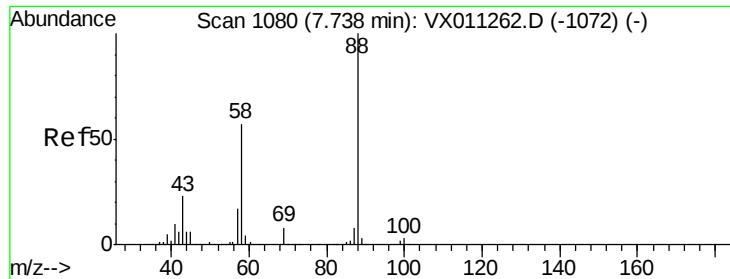
Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	41	Resp:	90412
Ion Ratio	Lower	Upper	
41	100		
69	88.7	74.5	111.7
39	60.4	48.6	72.8





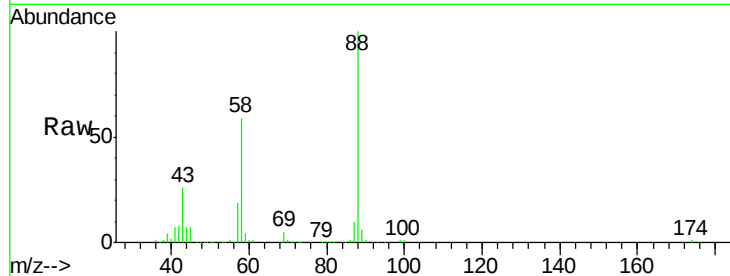
#49
 1,4-Dioxane
 Concen: 838.828 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	22.2	33.2
58	63.8	47.8	71.8

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:12 AM

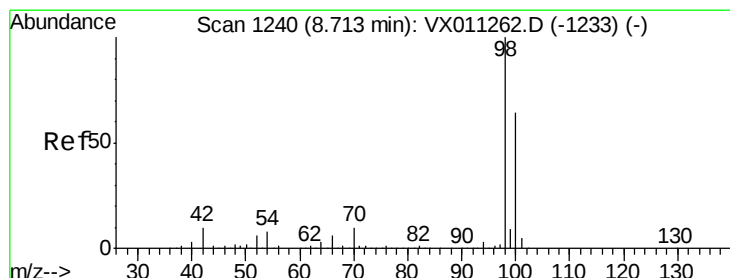
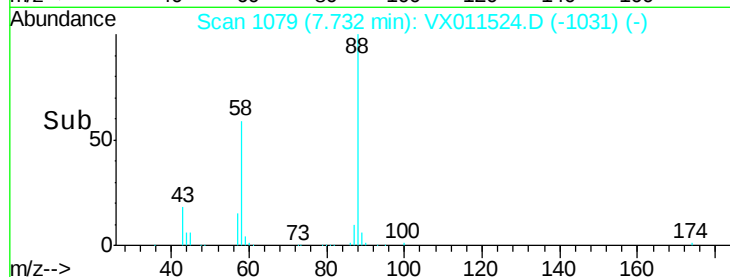
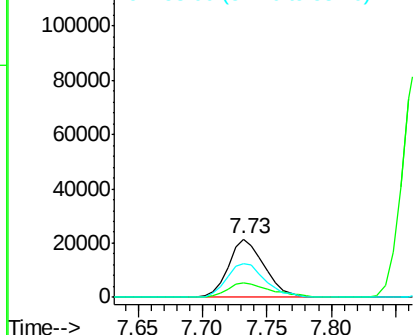


Abundance

Ion 88.00 (87.70 to 88.70): VX0

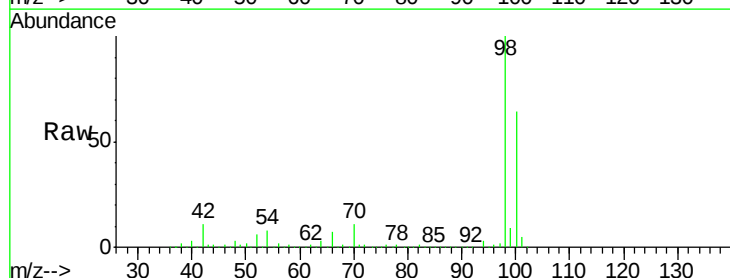
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 52.453 ug/l
 RT: 8.71 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

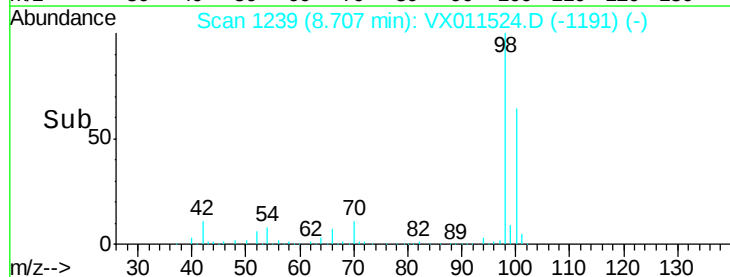
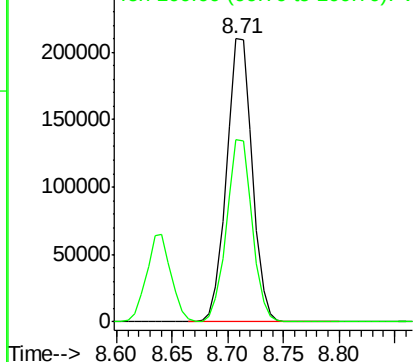
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5

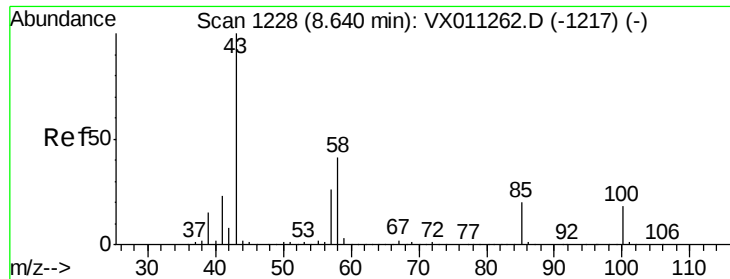


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 253.742 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 594035

Ion Ratio Lower Upper

43 100

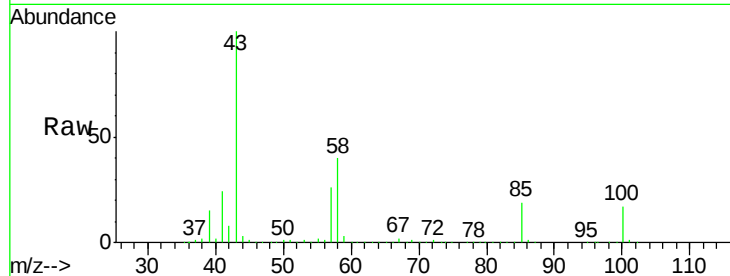
58 40.1 32.3 48.5

Manual Integrations

APPROVED

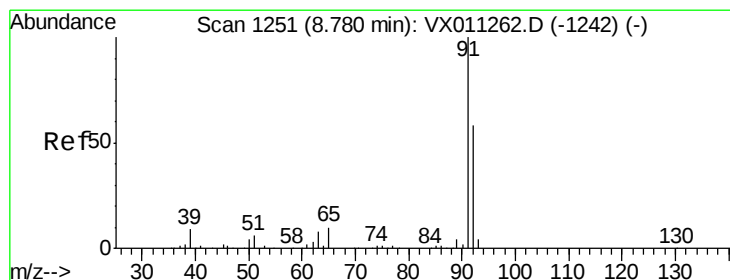
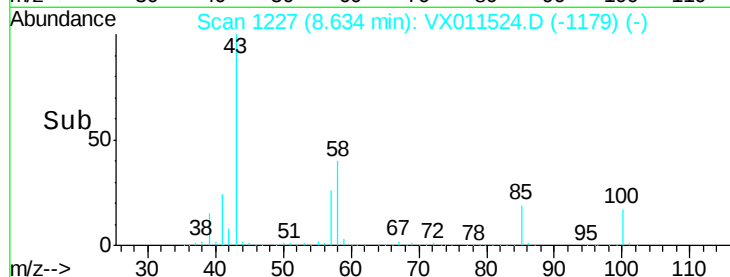
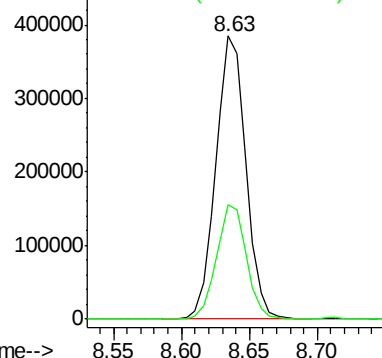
MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.293 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011524.D

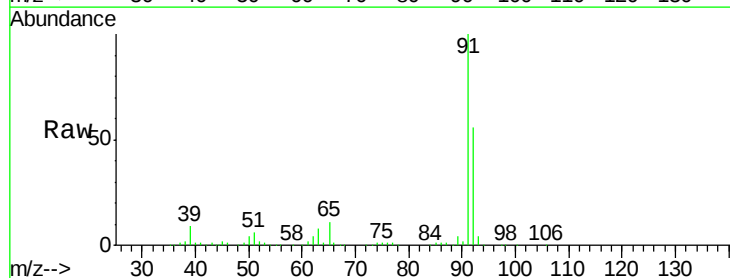
Acq: 13 Aug 2019 10:09

Tgt Ion: 92 Resp: 219990

Ion Ratio Lower Upper

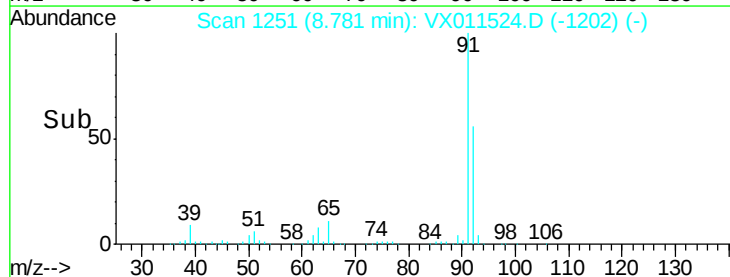
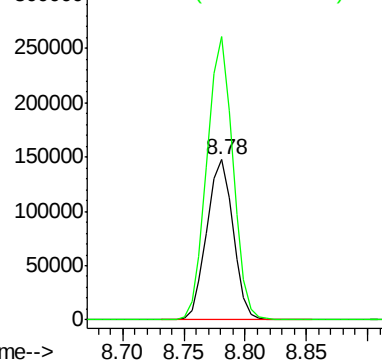
92 100

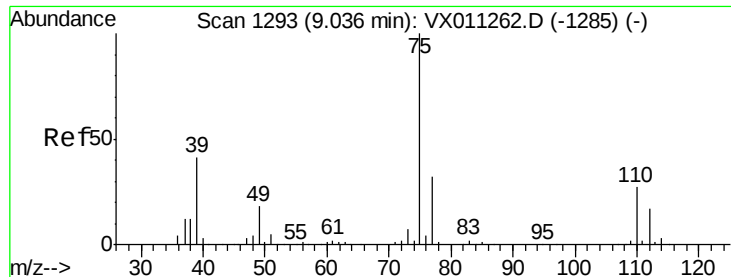
91 174.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





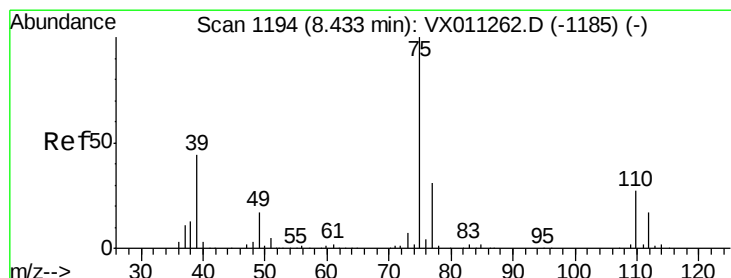
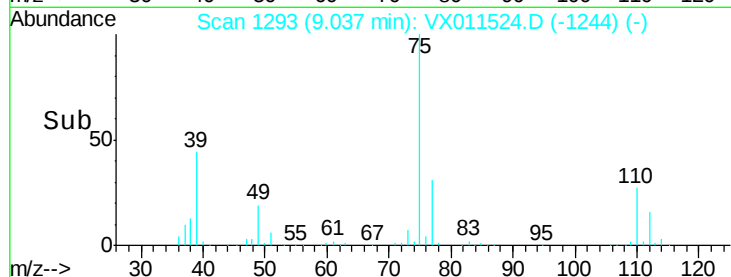
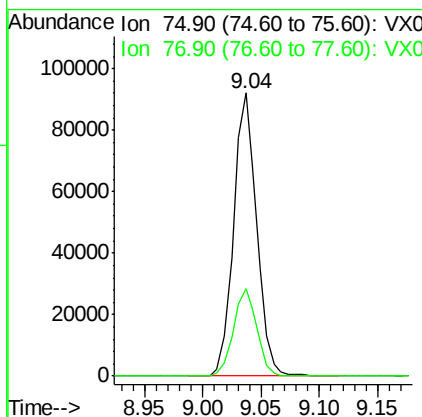
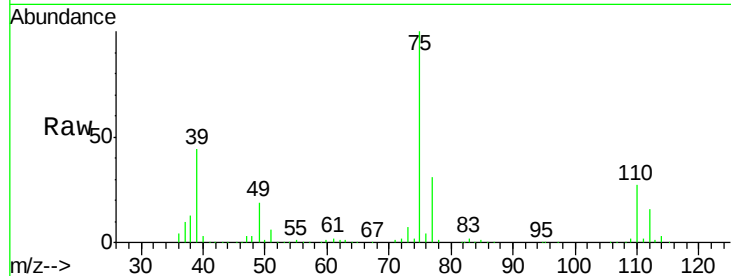
#53
t-1,3-Dichloropropene
Concen: 50.578 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 127357
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

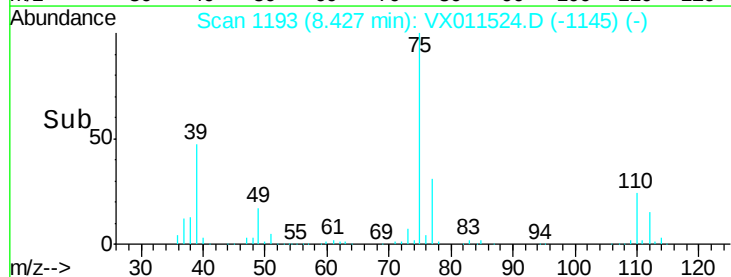
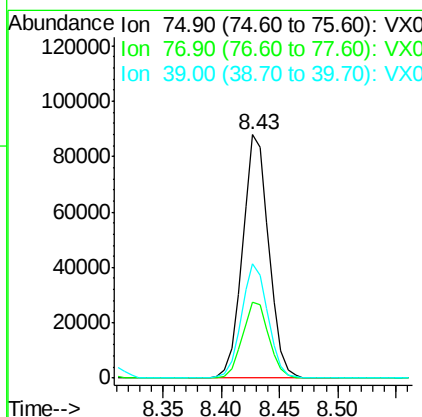
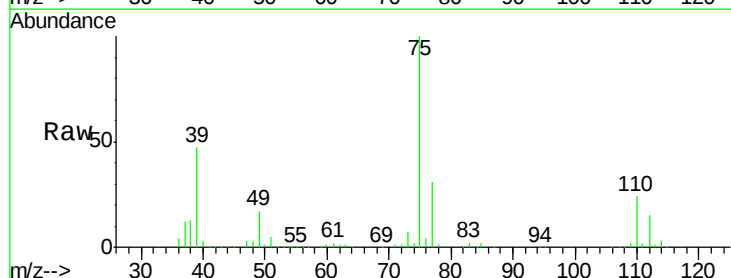
Manual Integrations
APPROVED

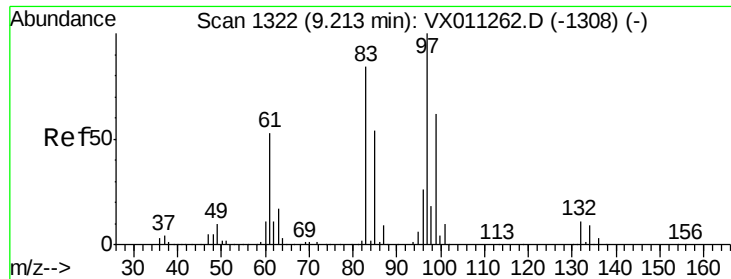
MMDadoda
8/14/2019 11:31:12 AM



#54
cis-1,3-Dichloropropene
Concen: 54.497 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion: 75 Resp: 137546
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 46.7 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 50.932 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

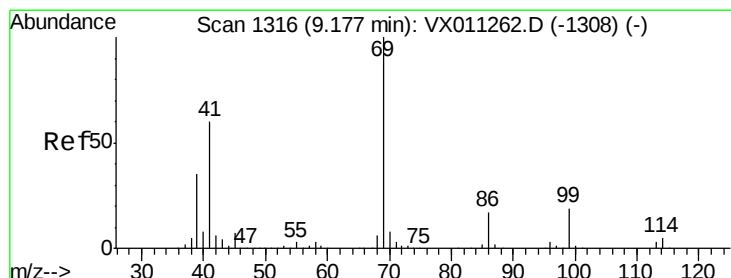
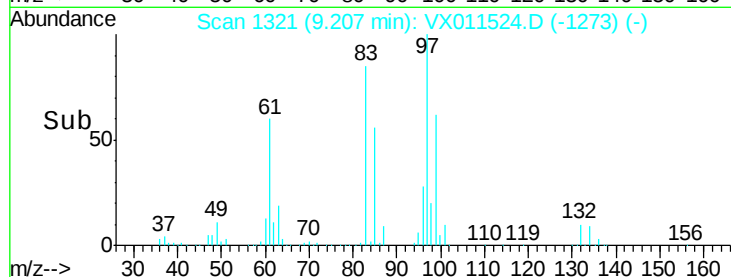
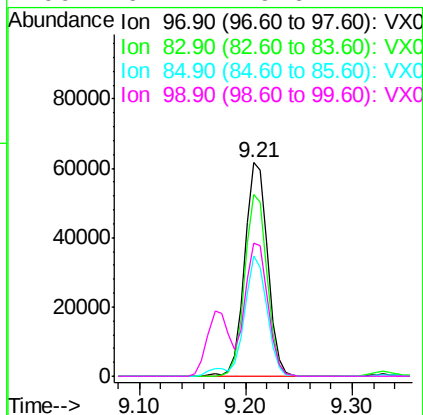
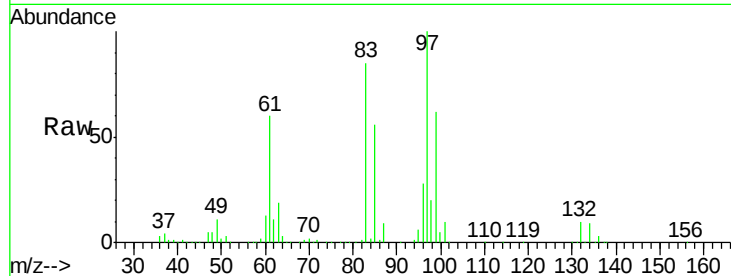
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93458
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.6	101.4
85	56.2	43.4	65.0
99	62.1	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#56

Ethyl methacrylate

Concen: 52.597 ug/l

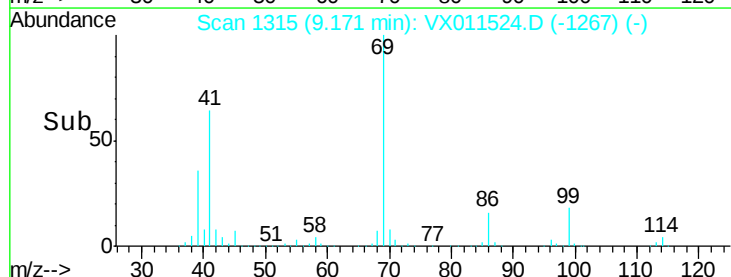
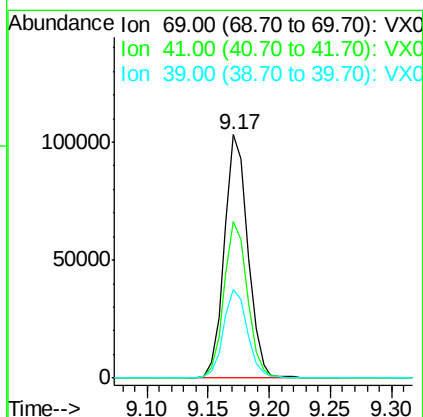
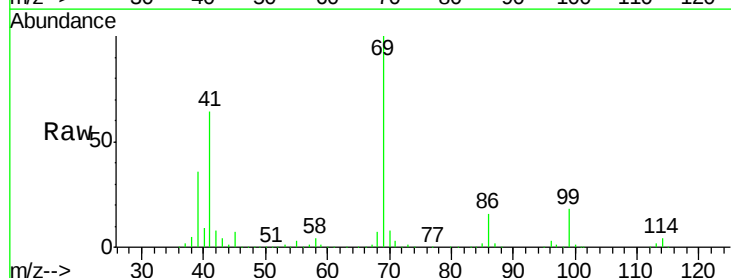
RT: 9.17 min Scan# 1315

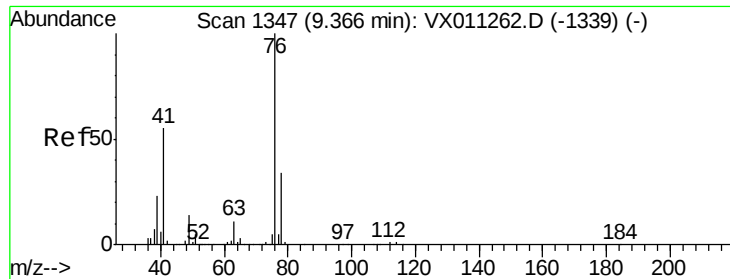
Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	69	Resp:	137538
Ion	Ratio	Lower	Upper
69	100		
41	63.9	48.6	73.0
39	37.1	29.4	44.2





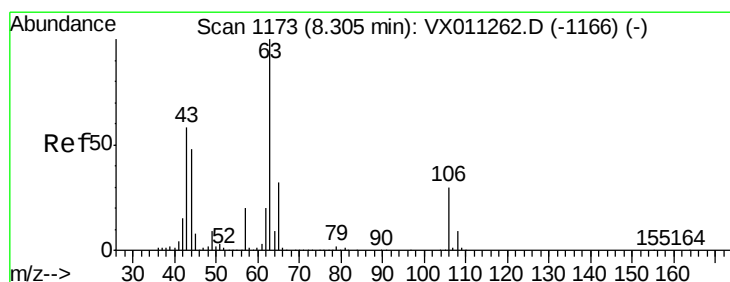
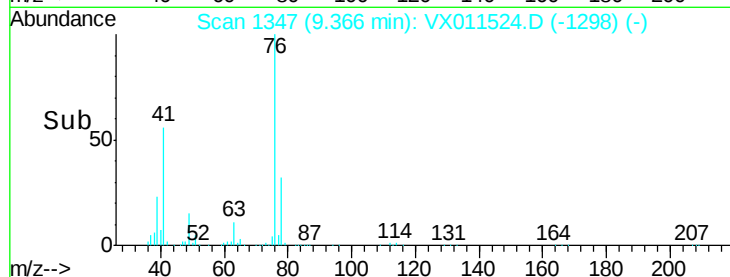
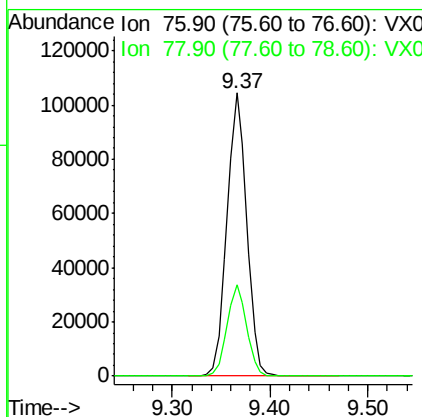
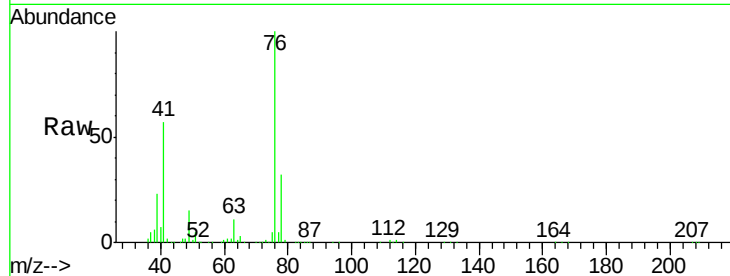
#57
 1,3-Dichloropropane
 Concen: 50.491 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.6	40.0

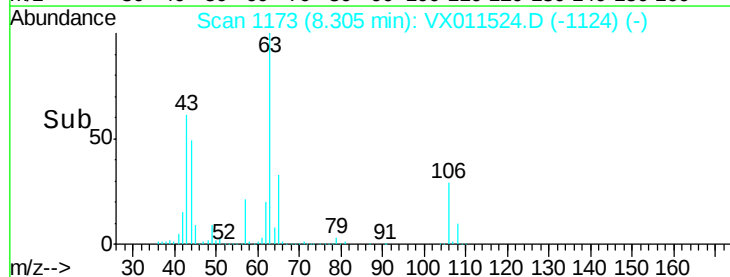
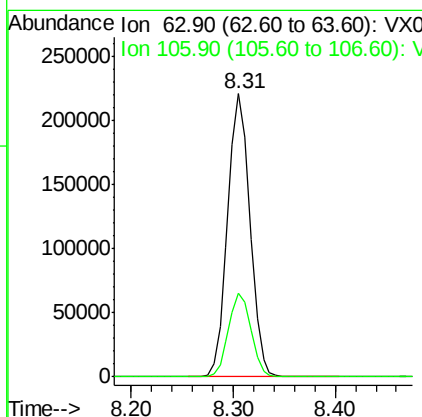
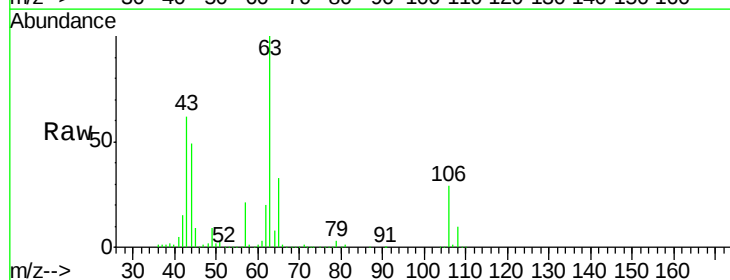
Manual Integrations
 APPROVED

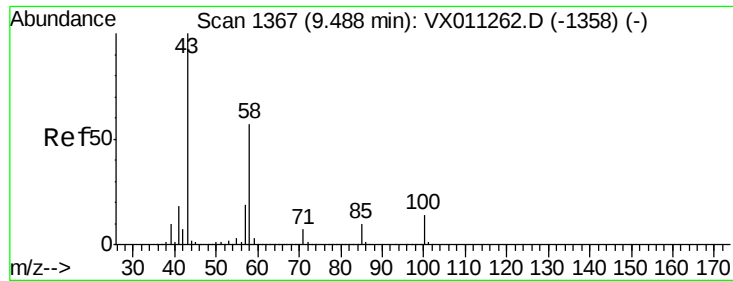
MMDadoda
 8/14/2019 11:31:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.720 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.4	36.6





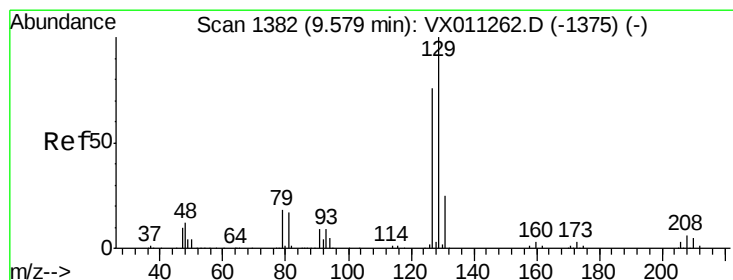
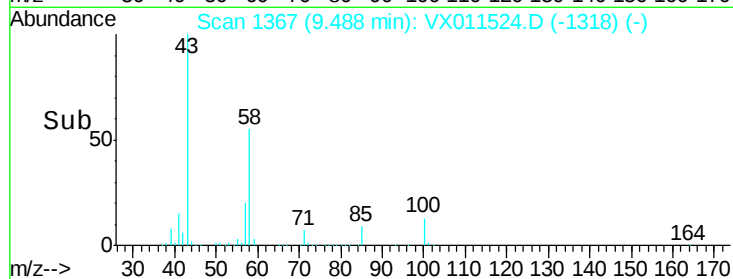
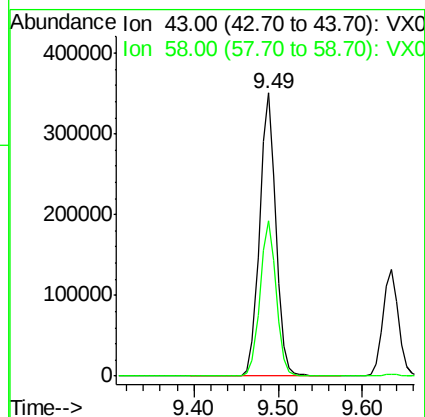
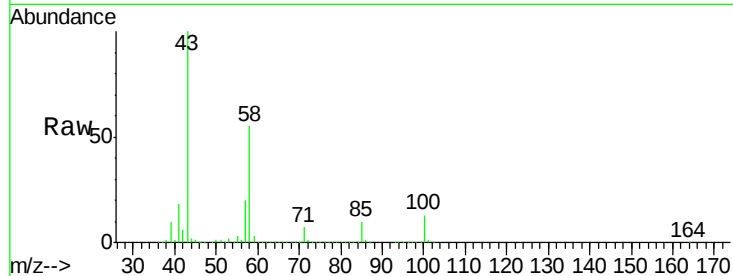
#59
2-Hexanone
Concen: 254.039 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 460658
Ion Ratio Lower Upper
43 100
58 54.8 28.2 84.6

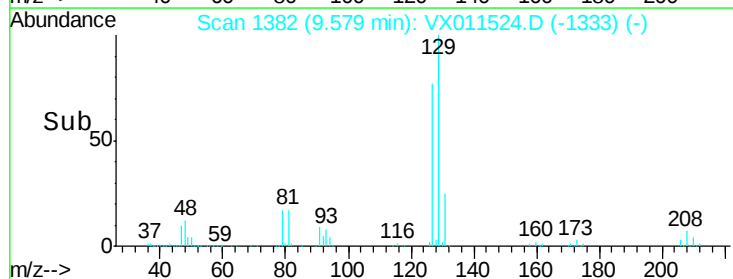
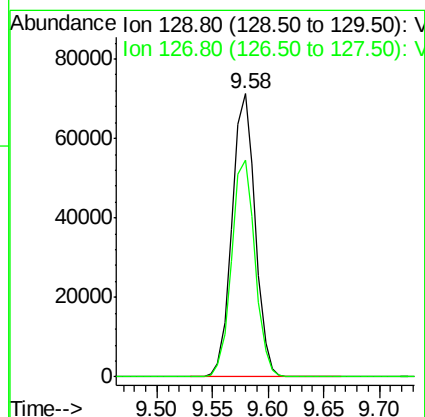
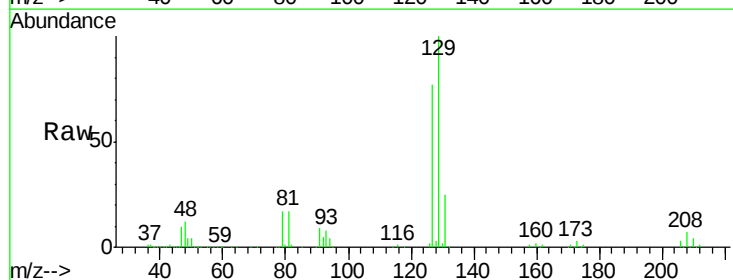
Manual Integrations
APPROVED

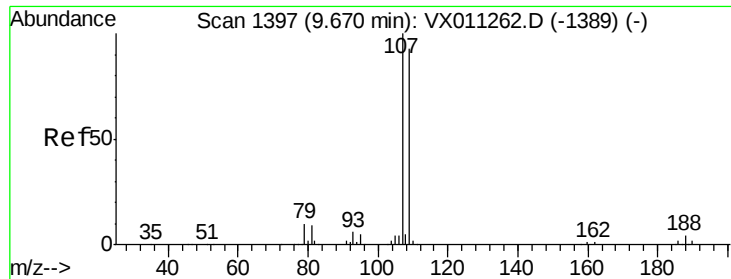
MMDadoda
8/14/2019 11:31:12 AM



#60
Dibromochloromethane
Concen: 54.538 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion: 129 Resp: 102459
Ion Ratio Lower Upper
129 100
127 77.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 50.438 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 99992

Ion Ratio Lower Upper

107 100

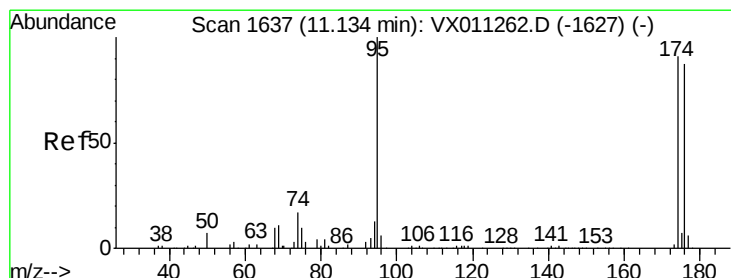
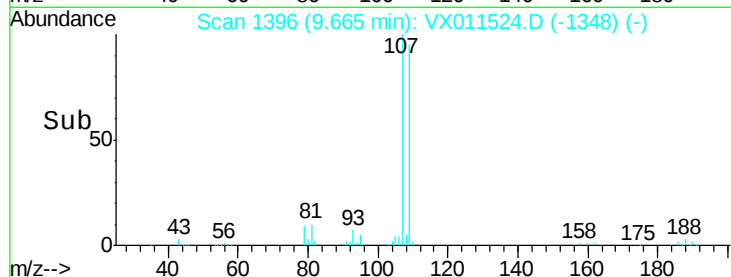
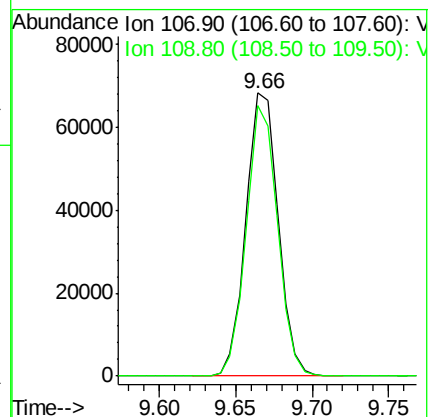
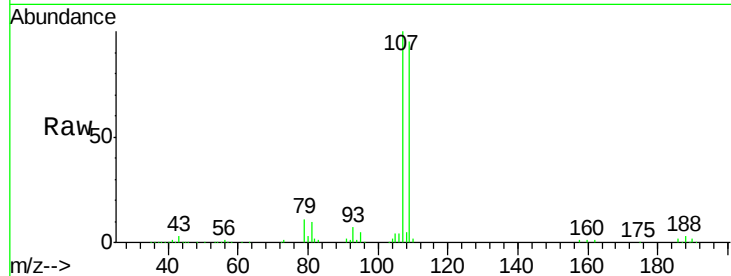
109 92.9 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:12 AM



#62

4-Bromofluorobenzene

Concen: 55.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

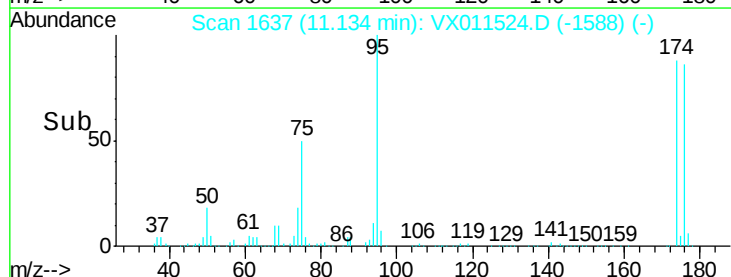
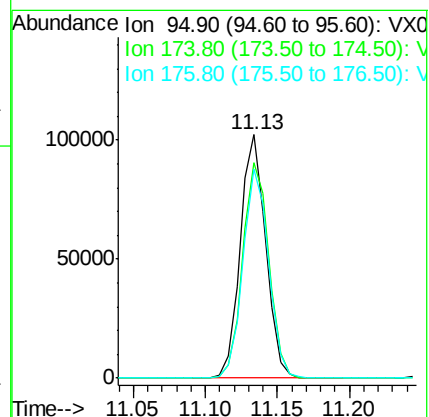
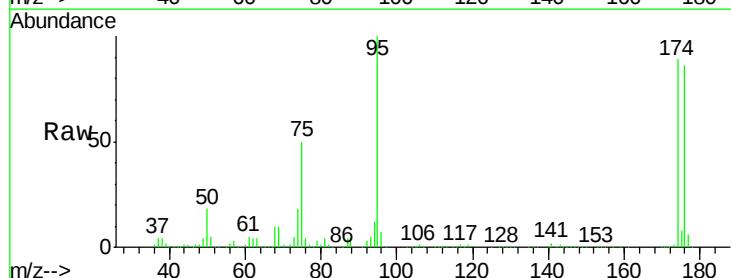
Tgt Ion: 95 Resp: 126289

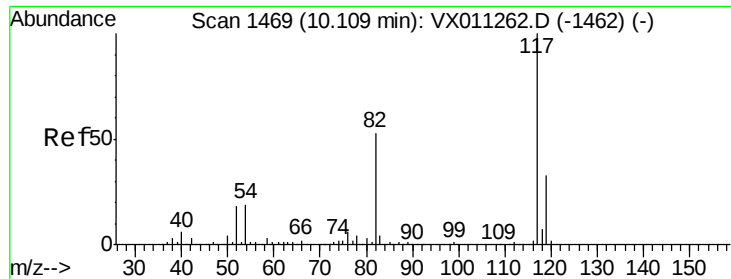
Ion Ratio Lower Upper

95 100

174 90.1 0.0 191.2

176 86.3 0.0 184.8





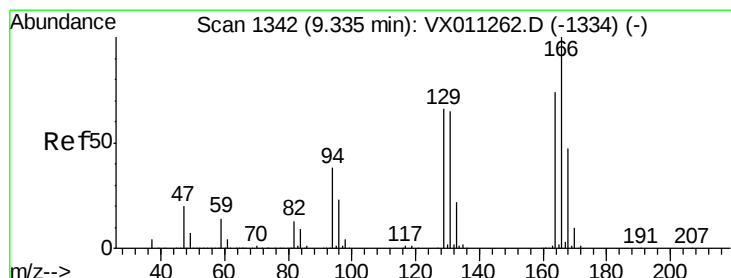
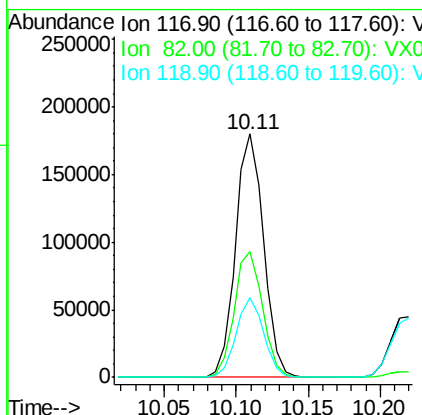
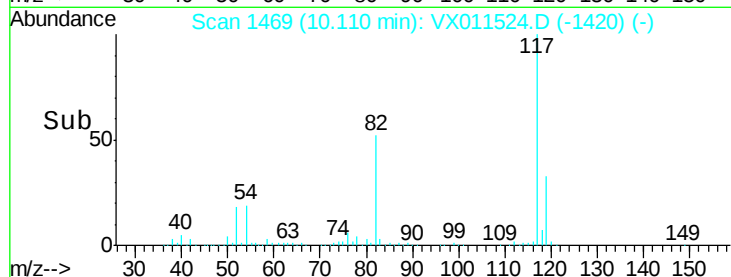
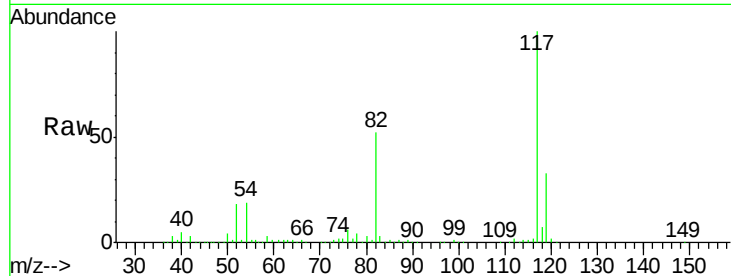
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.2	63.2
119	32.7	26.6	39.8

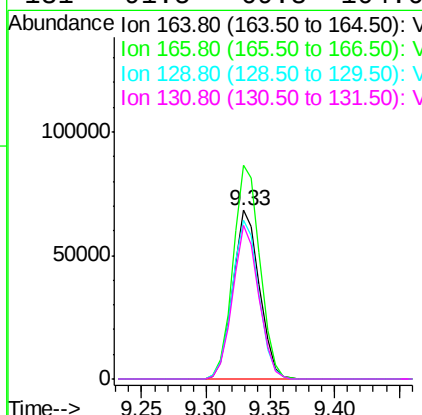
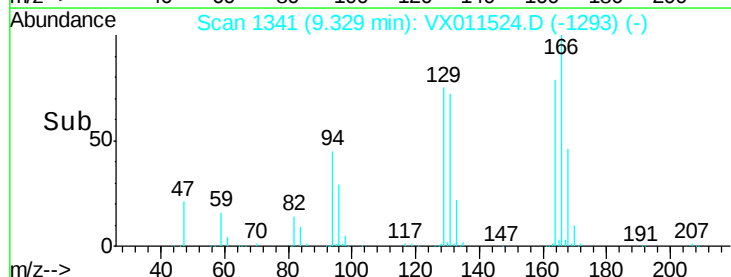
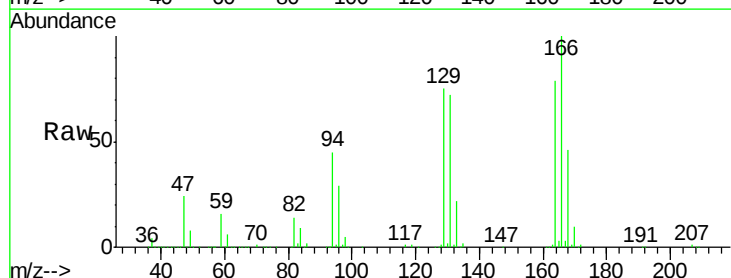
Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#64
Tetrachloroethene
Concen: 47.224 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	107.5	161.3
129	94.6	71.0	106.4
131	91.5	69.8	104.6





#65

Chlorobenzene

Concen: 47.879 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 251295

Ion Ratio Lower Upper

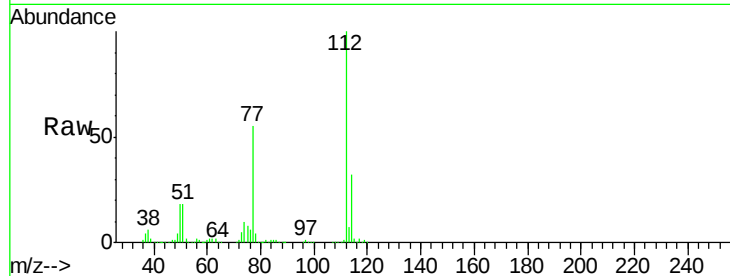
112 100

114 32.0 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

200000

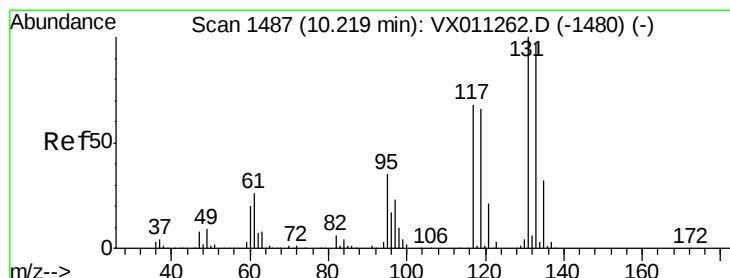
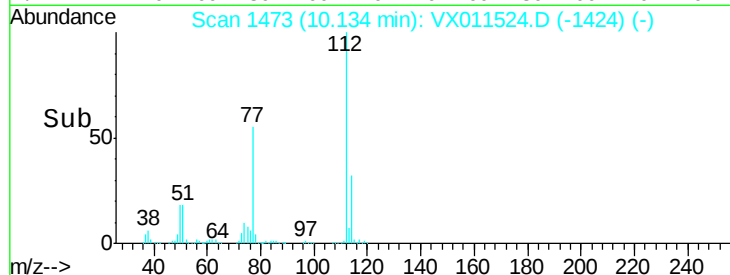
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.792 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

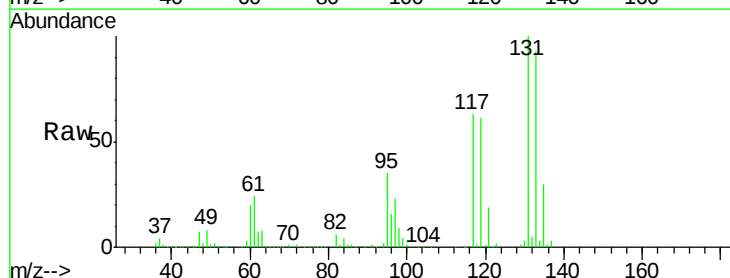
Tgt Ion:131 Resp: 96656

Ion Ratio Lower Upper

131 100

133 95.0 47.7 143.1

119 63.0 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

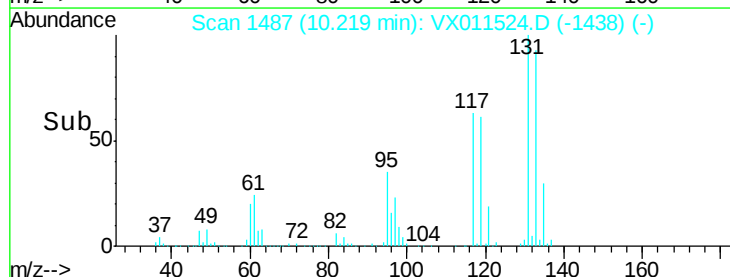
60000

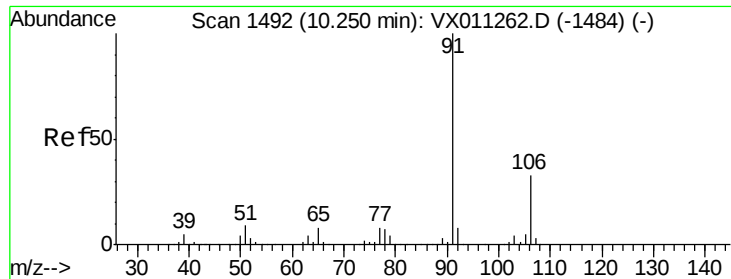
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 50.145 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 440768

Ion Ratio Lower Upper

91 100

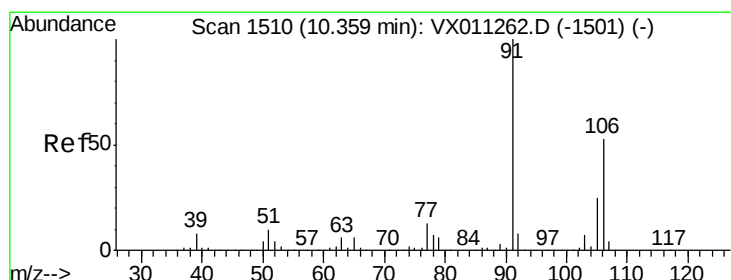
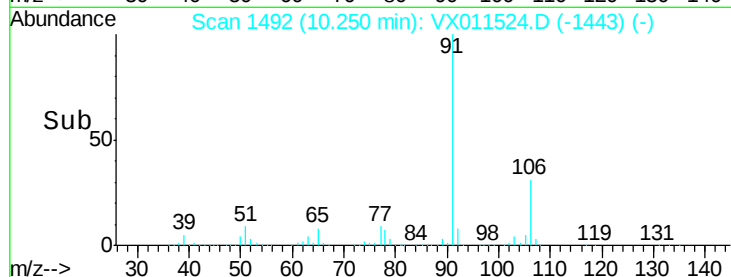
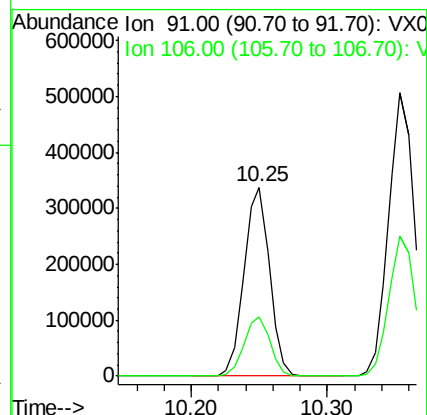
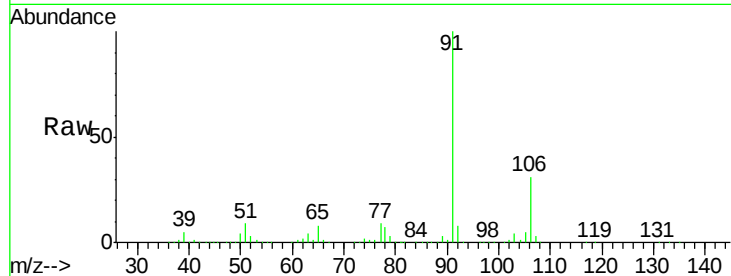
106 31.2 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:12 AM



#68

m/p-Xylenes

Concen: 98.646 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011524.D

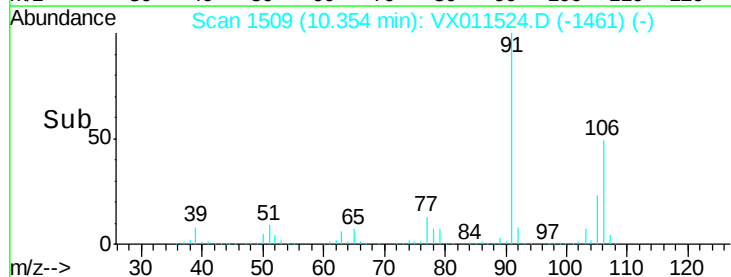
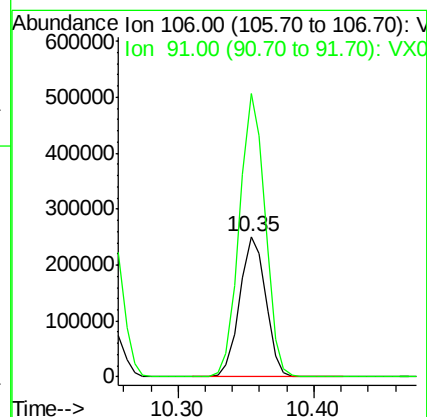
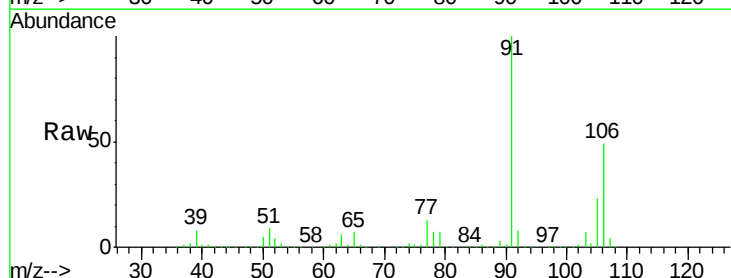
Acq: 13 Aug 2019 10:09

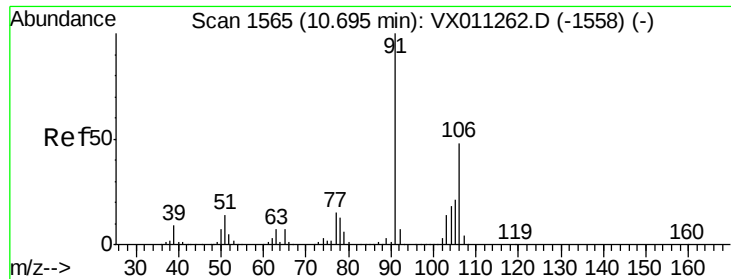
Tgt Ion: 106 Resp: 335389

Ion Ratio Lower Upper

106 100

91 199.3 155.9 233.9





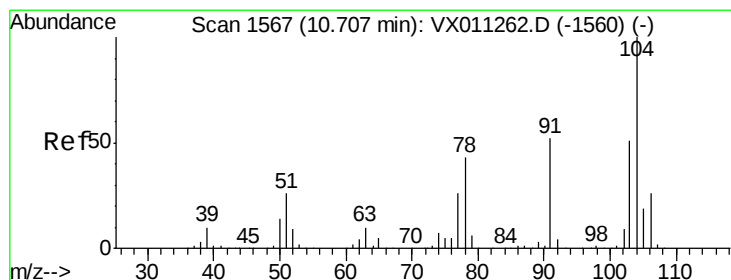
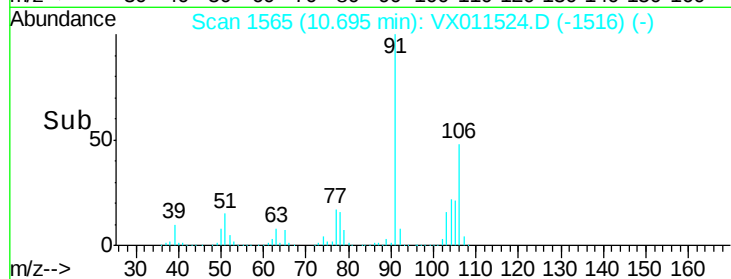
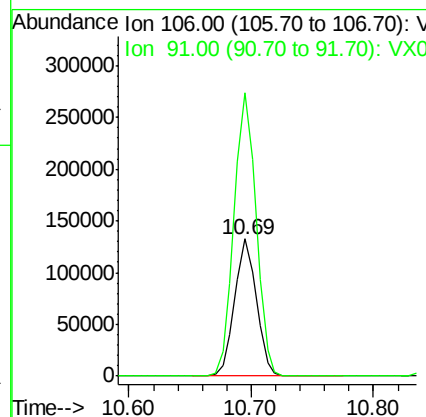
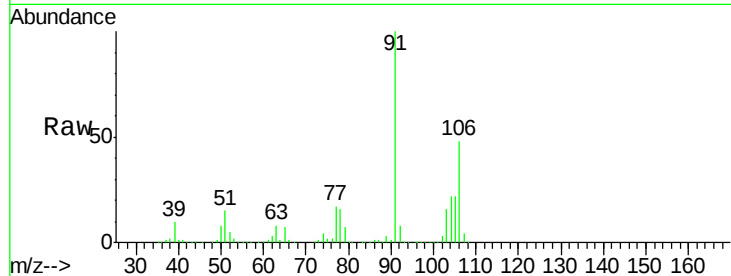
#69
o-Xylene
Concen: 48.548 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.6	103.8	162179	311.3	

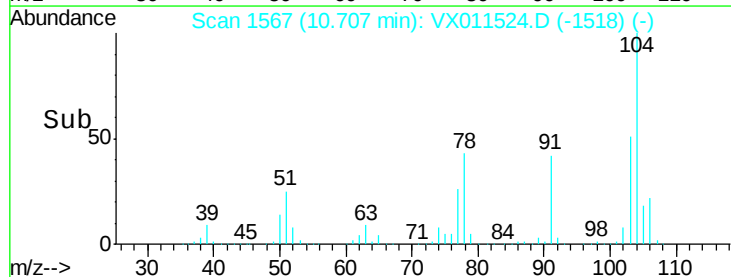
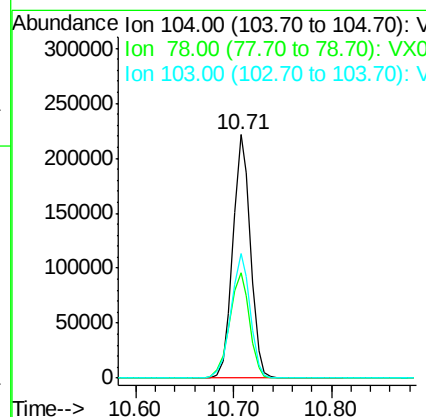
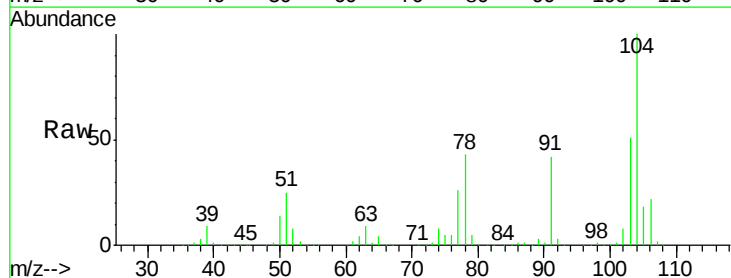
Manual Integrations
APPROVED

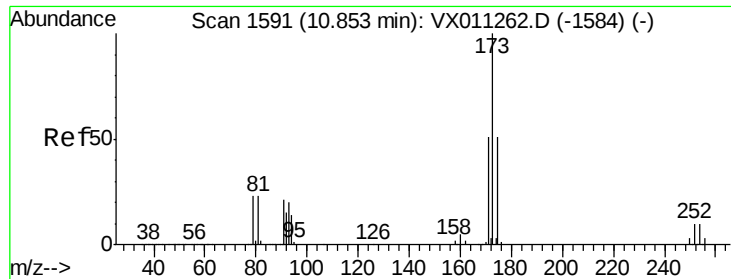
MMDadoda
8/14/2019 11:31:12 AM



#70
Styrene
Concen: 50.333 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.8	36.9	278215	55.3	
103	55.4	44.4		66.6	





#71

Bromoform

Concen: 46.960 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

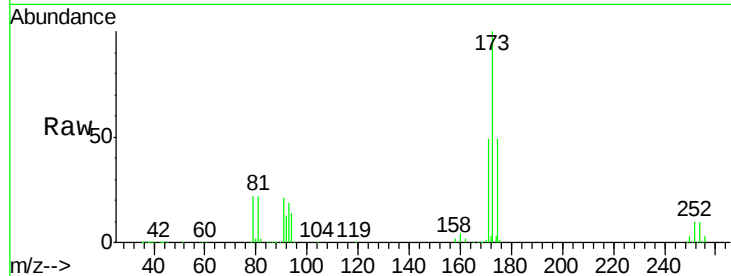
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM

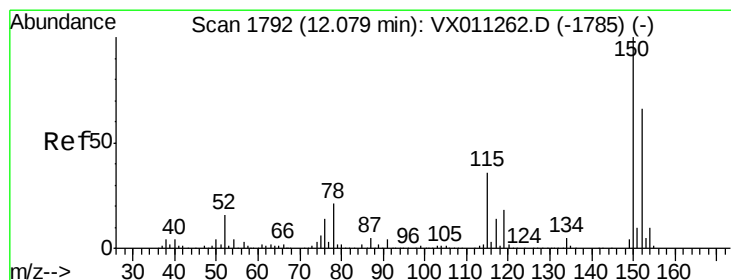
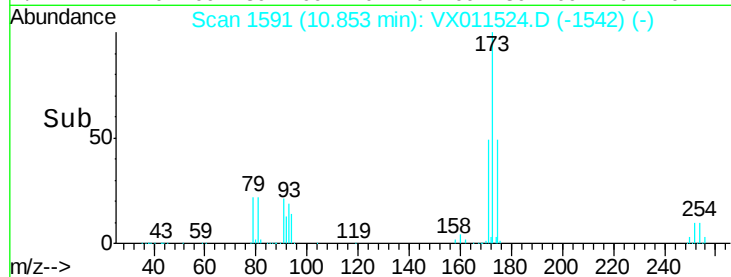
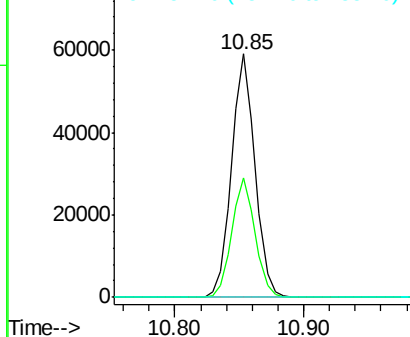


Abundance

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

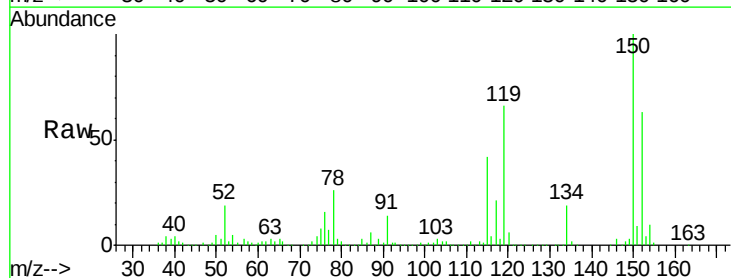
RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.8	40.0	119.9
150	173.1	0.0	350.4

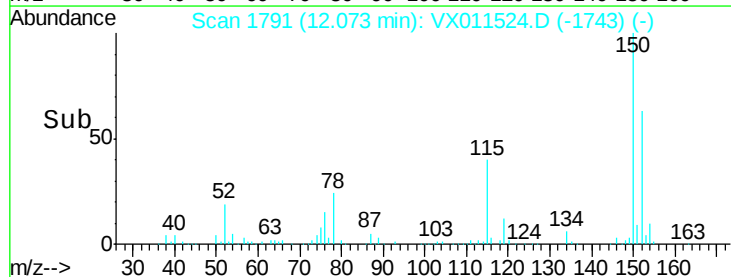
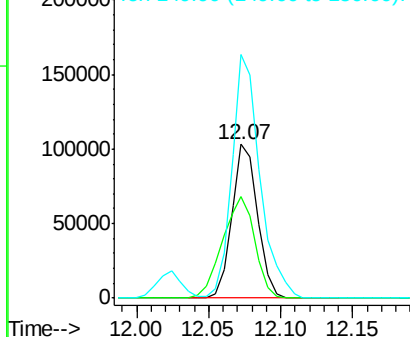


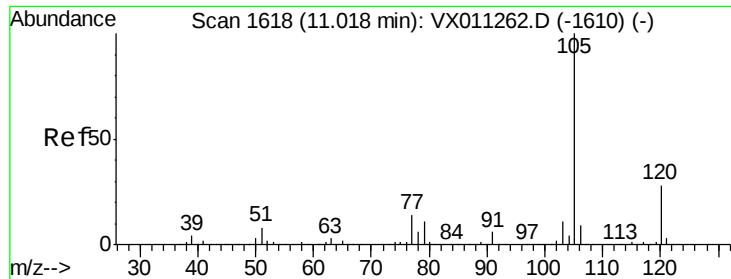
Abundance

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: 51.348 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 451420

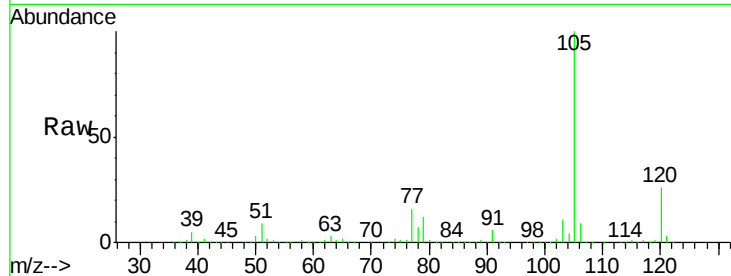
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.1

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

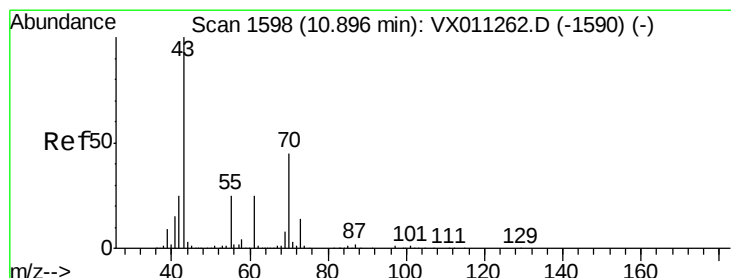
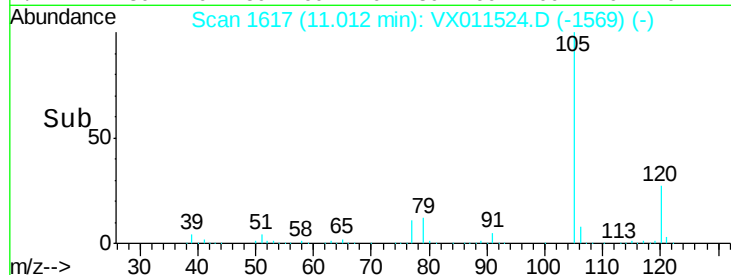
100000

0

11.01

11.00

Time-->



#74

N-ethyl acetate

Concen: 51.388 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion: 43 Resp: 163239

Ion Ratio Lower Upper

43 100

70 43.9 35.9 53.9

55 24.2 19.8 29.6

61 24.7 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

50000

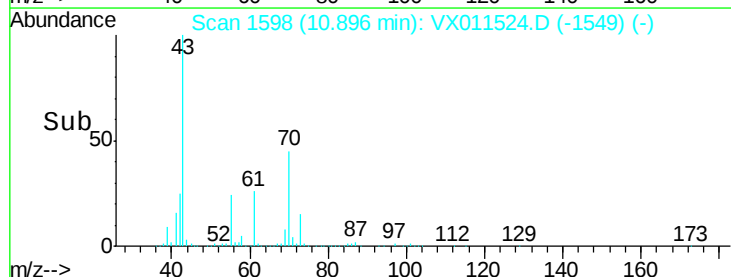
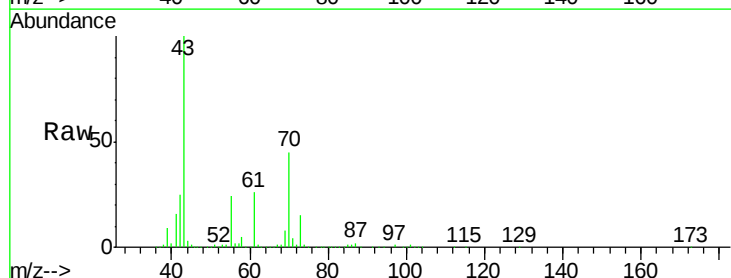
0

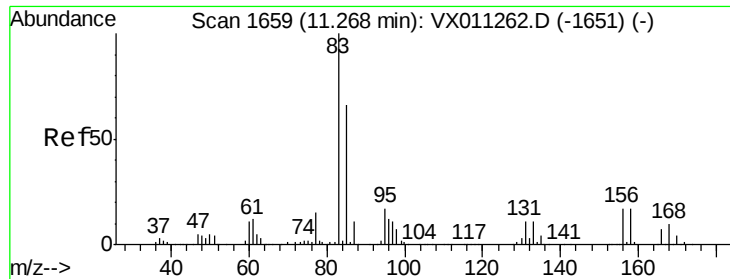
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.076 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

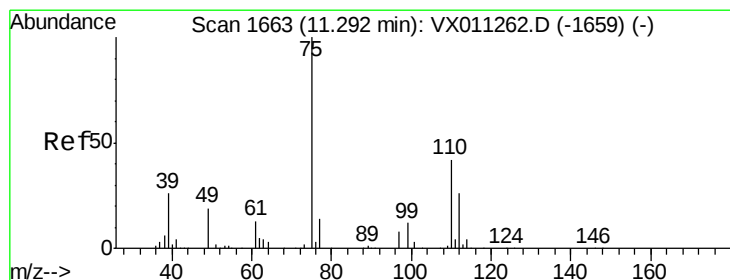
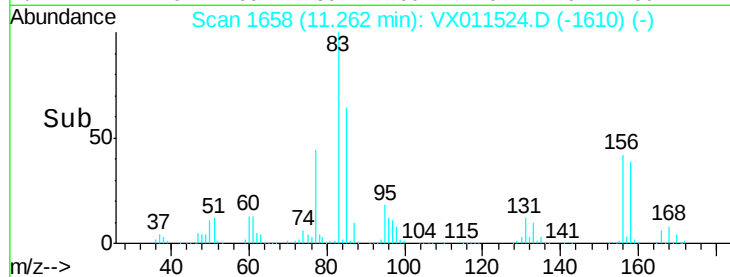
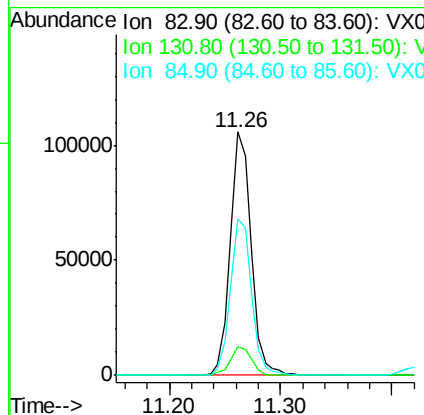
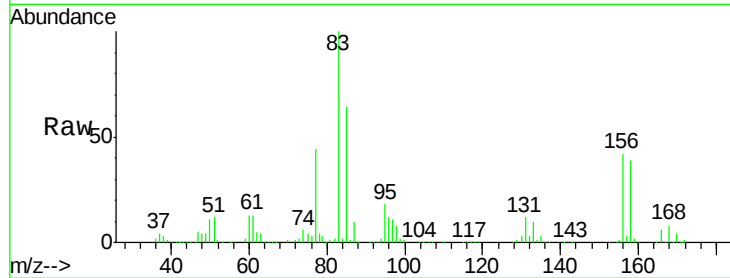
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	137919
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.6	16.8
85	65.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#76

1,2,3-Trichloropropane

Concen: 52.370 ug/l m

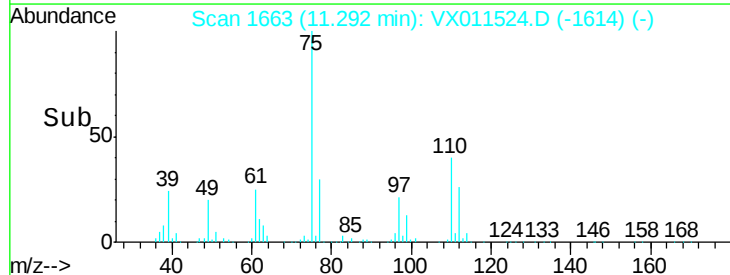
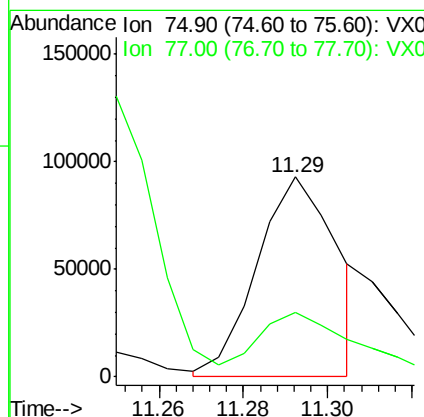
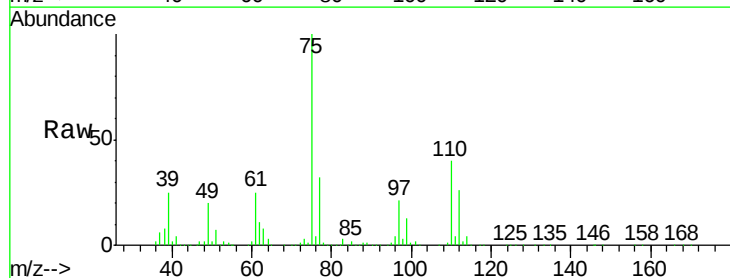
RT: 11.29 min Scan# 1663

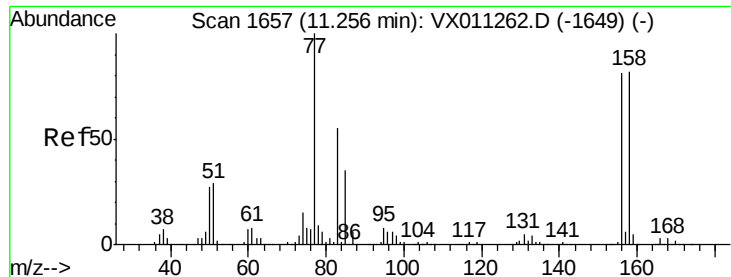
Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	75	Resp:	122594
Ion Ratio	Lower	Upper	
75	100		
77	40.4	21.1	63.4





#77

Bromobenzene

Concen: 48.581 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

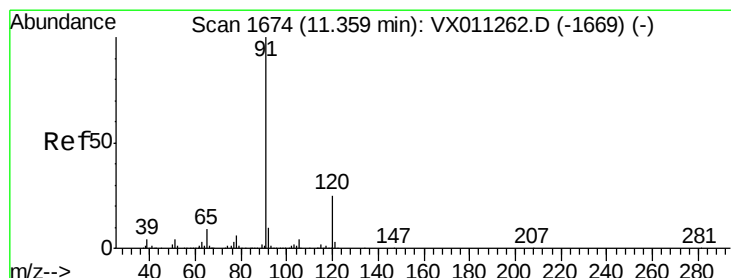
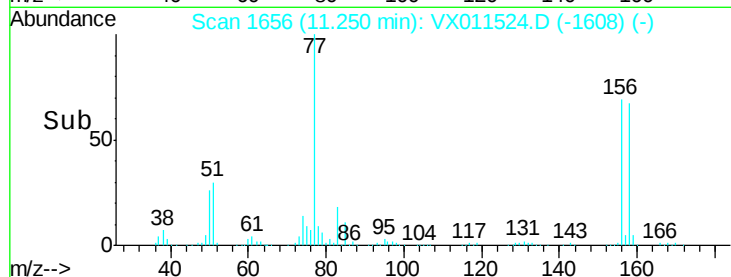
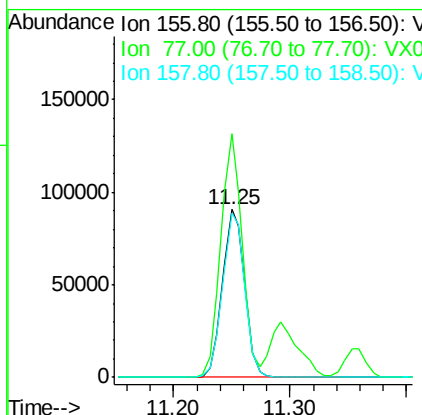
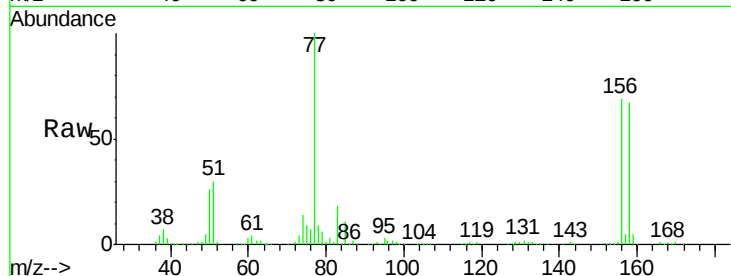
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	118432
Ion Ratio	Lower	Upper	
156	100		
77	140.5	66.2	198.6
158	97.8	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#78

n-propylbenzene

Concen: 51.547 ug/l

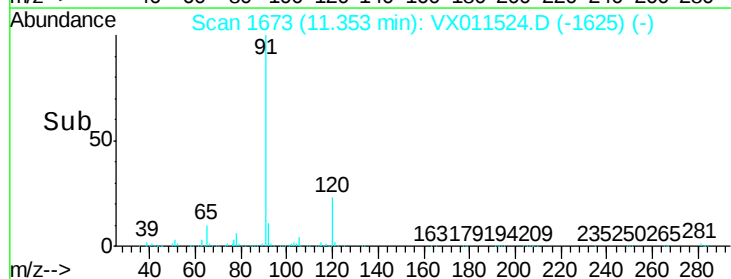
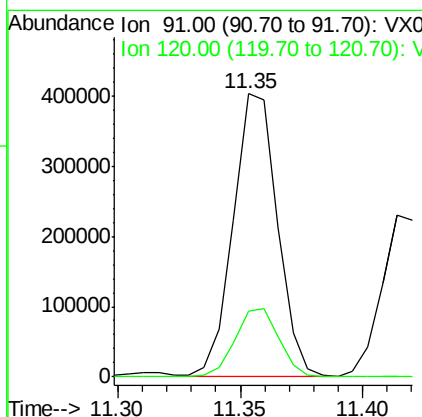
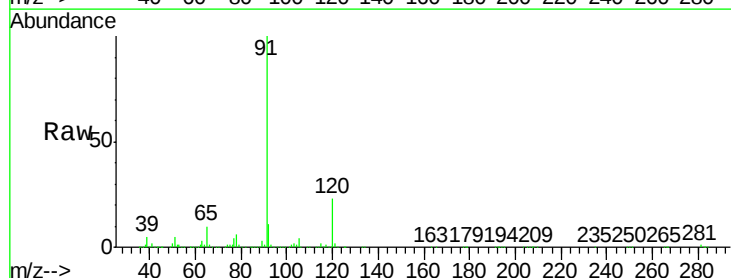
RT: 11.35 min Scan# 1673

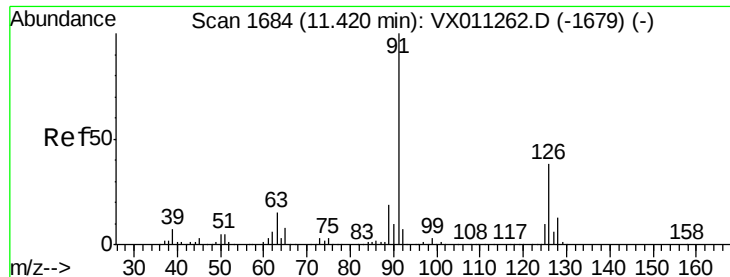
Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	91	Resp:	503954
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.0





#79

2-Chlorotoluene

Concen: 51.002 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 297195

Ion Ratio Lower Upper

91 100

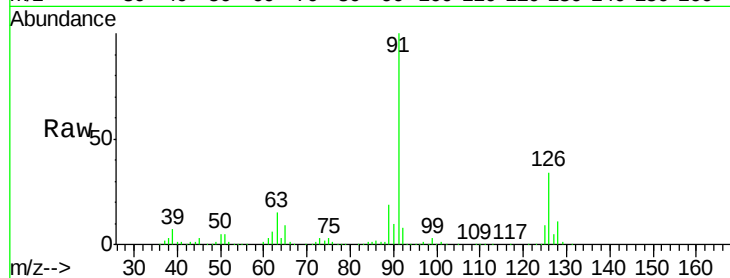
126 36.1 18.5 55.5

Manual Integrations

APPROVED

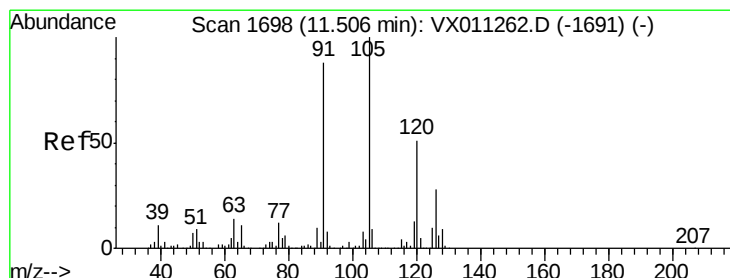
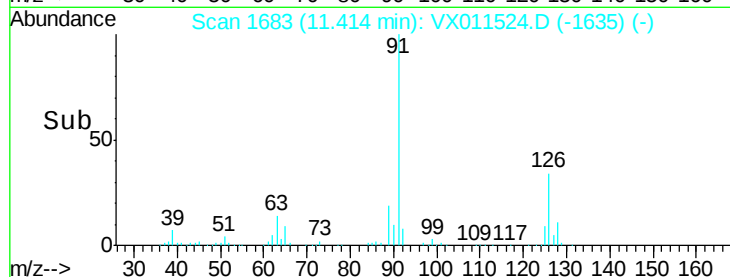
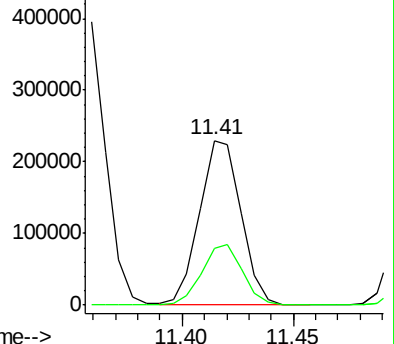
MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.142 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011524.D

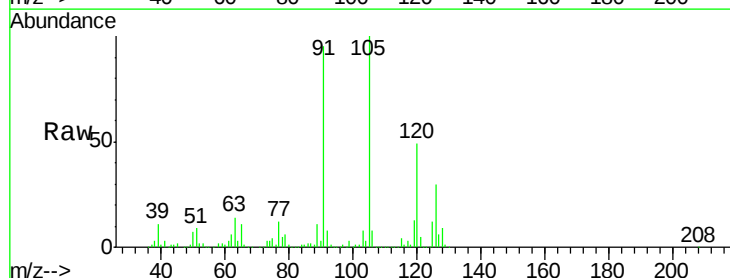
Acq: 13 Aug 2019 10:09

Tgt Ion:105 Resp: 376368

Ion Ratio Lower Upper

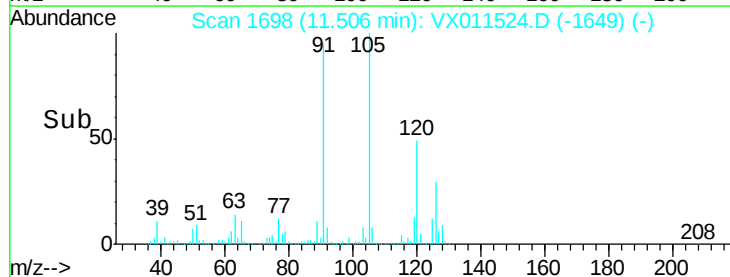
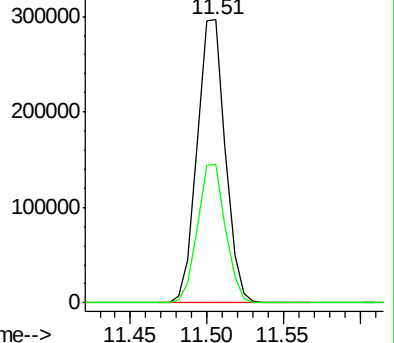
105 100

120 48.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





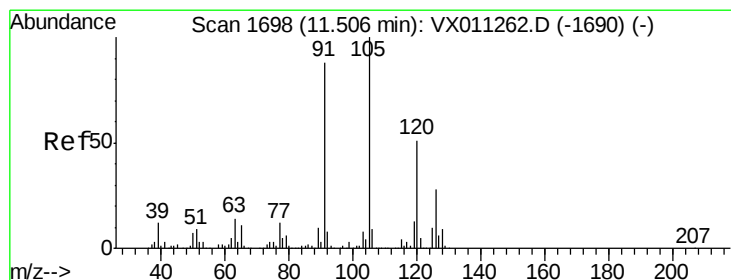
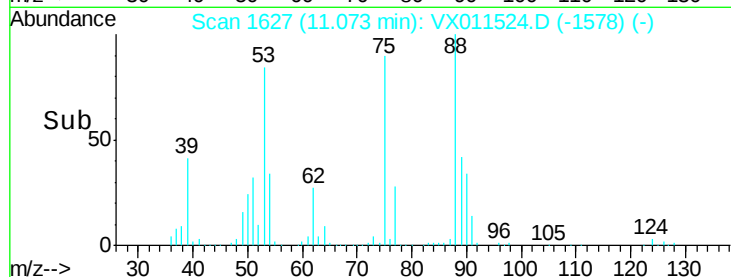
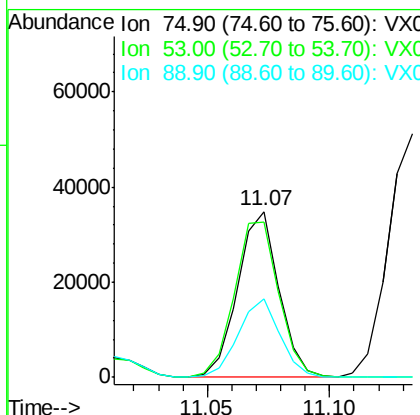
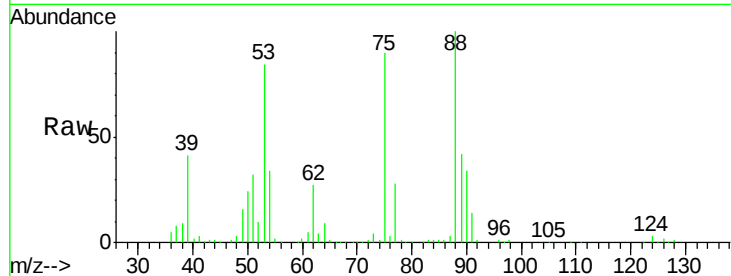
#81
trans-1,4-Dichloro-2-butene
Concen: 46.871 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	78.2	117.4
89	47.5	37.9	56.9

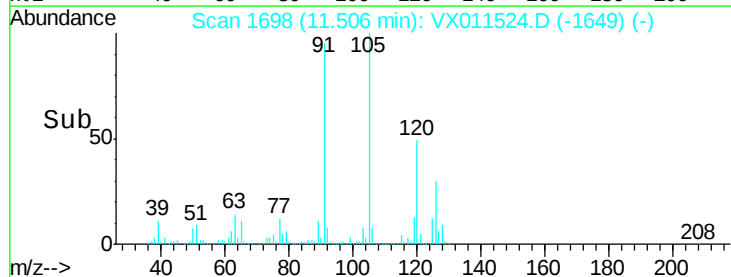
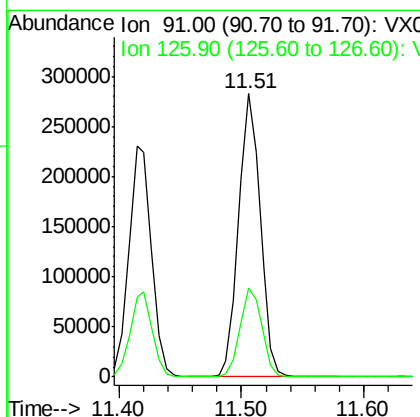
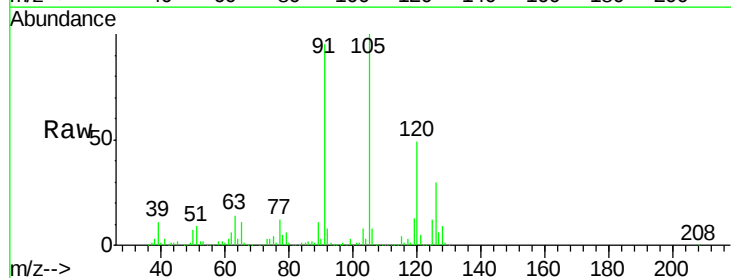
Manual Integrations
APPROVED

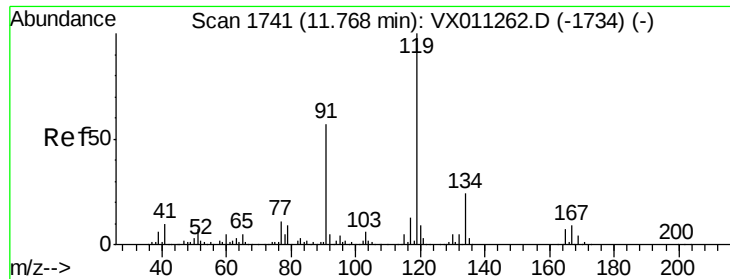
MMDadoda
8/14/2019 11:31:12 AM



#82
4-Chlorotoluene
Concen: 50.860 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.4	49.2





#83

tert-Butylbenzene

Concen: 51.547 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

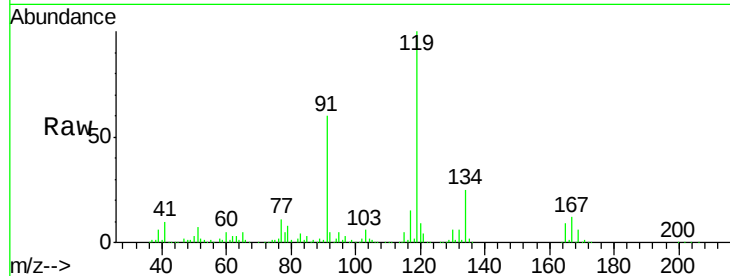
ClientSampleId :

VSTDCCC050

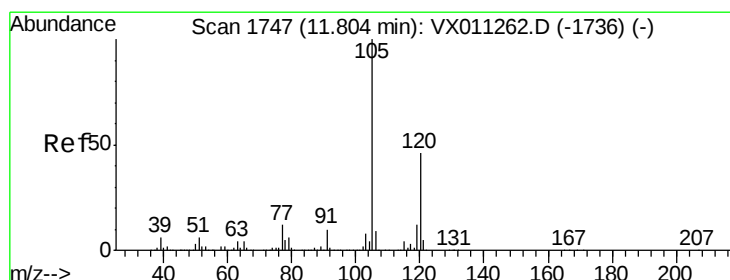
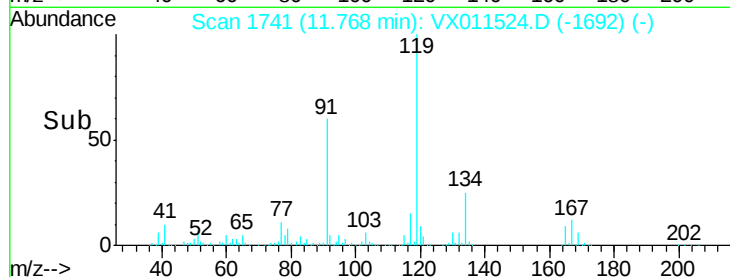
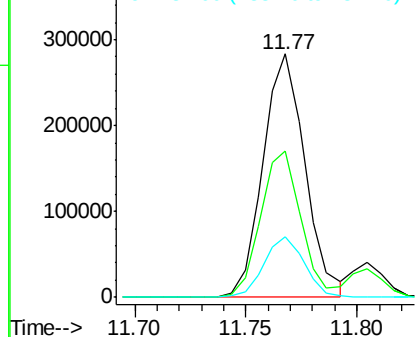
Tot Ion:	119	Resp:	372057
Ion Ratio	Lower	Upper	
119	100		
91	57.0	28.0	84.0
134	23.7	11.9	35.5

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.902 ug/l

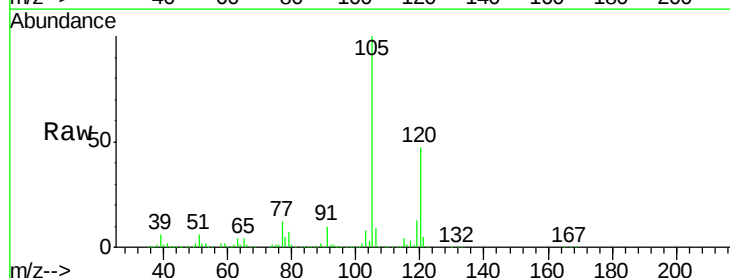
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

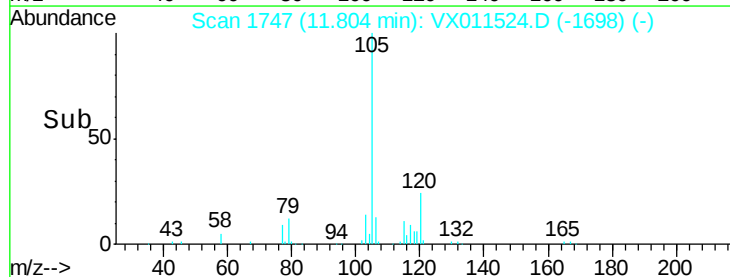
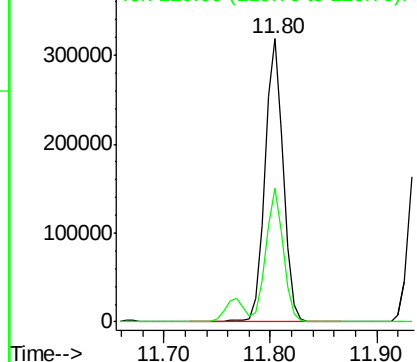
Lab File: VX011524.D

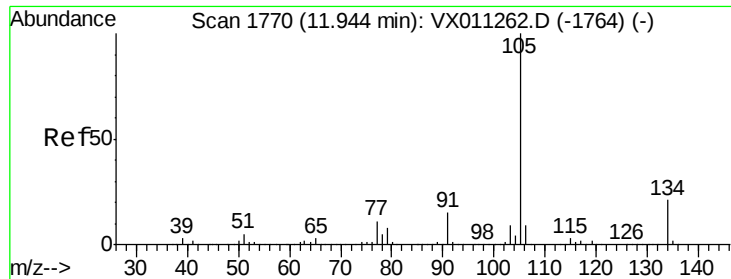
Acq: 13 Aug 2019 10:09

Tgt Ion:	105	Resp:	380291
Ion Ratio	Lower	Upper	
105	100		
120	45.2	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.139 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 443474

Ion Ratio Lower Upper

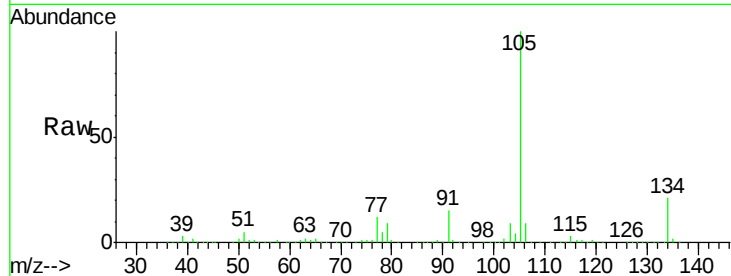
105 100

134 21.0 10.4 31.4

Manual Integrations
APPROVED

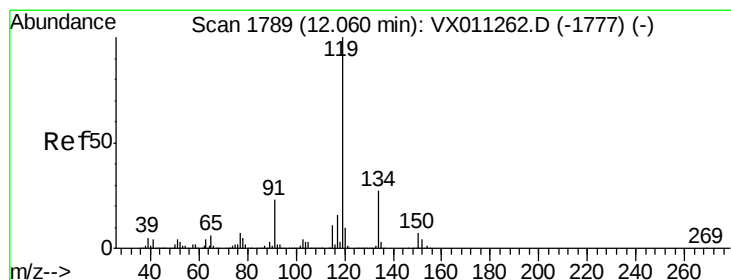
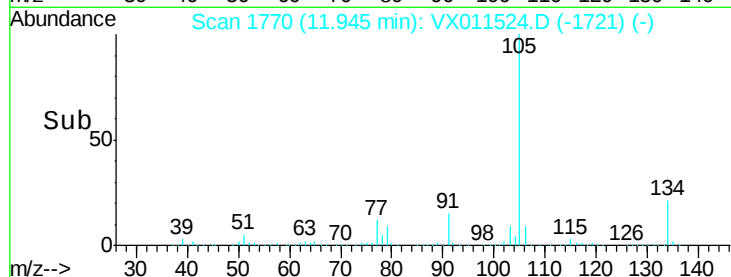
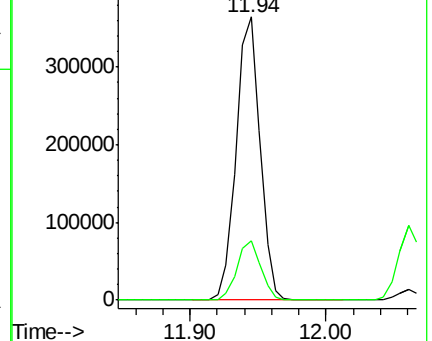
MMDadoda

8/14/2019 11:31:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.710 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

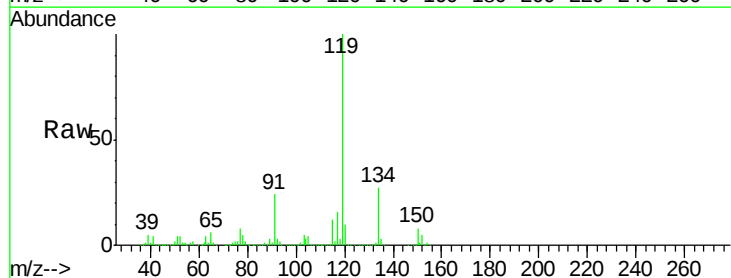
Tgt Ion:119 Resp: 412540

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

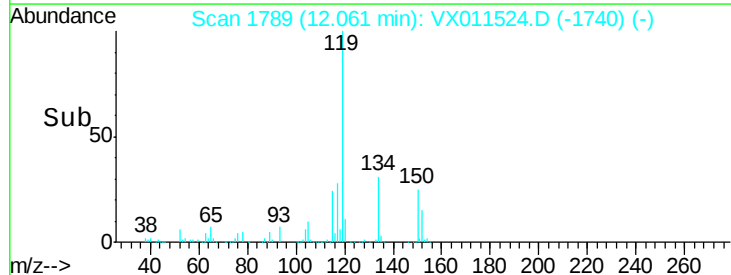
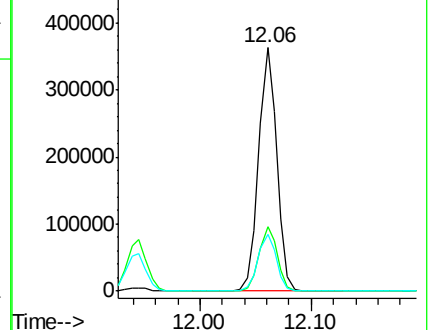
91 23.8 11.4 34.2

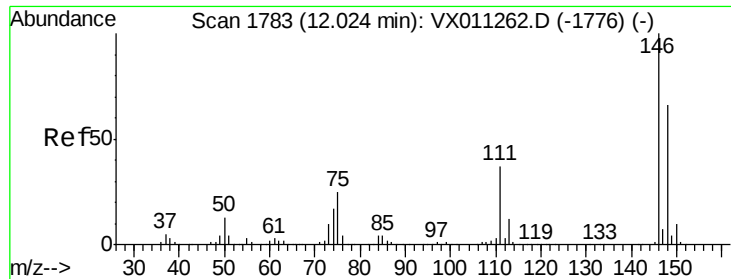


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.159 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Instrument :

MSVOA_X

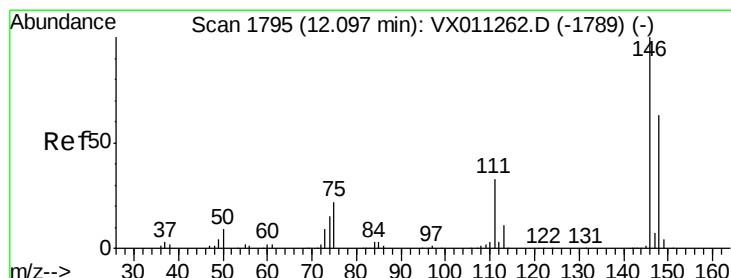
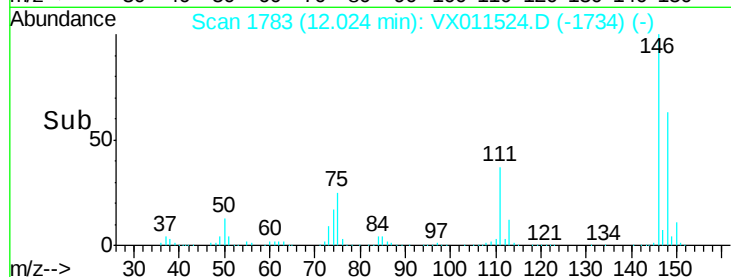
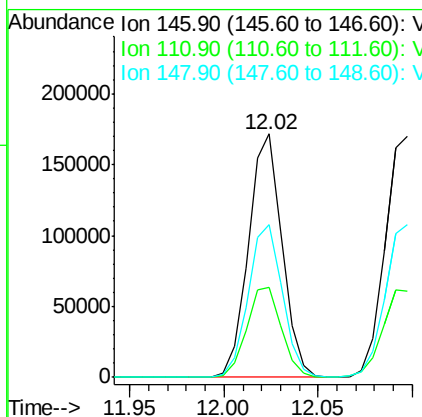
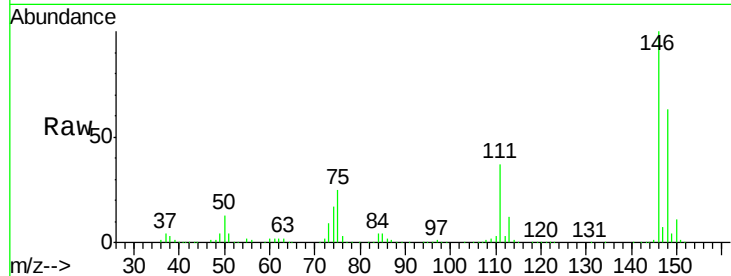
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	211747
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.8
148	63.9	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#88

1,4-Dichlorobenzene

Concen: 47.891 ug/l

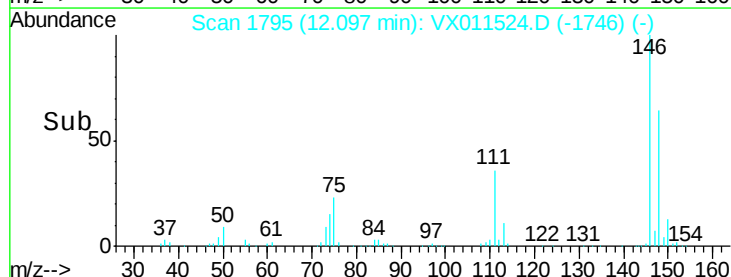
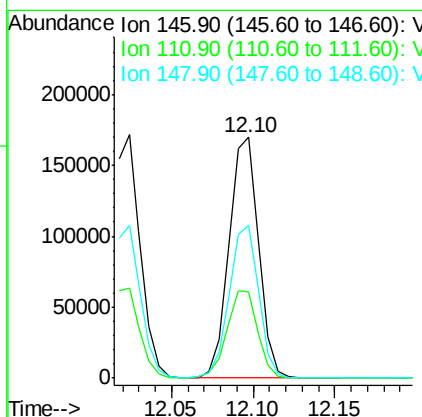
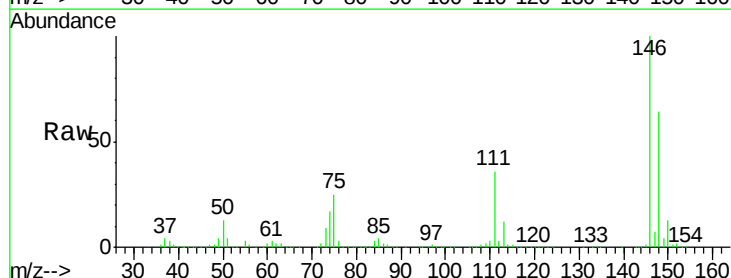
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011524.D

Acq: 13 Aug 2019 10:09

Tgt Ion:	146	Resp:	212714
Ion Ratio	Lower	Upper	
146	100		
111	37.7	17.8	53.4
148	63.5	31.8	95.3





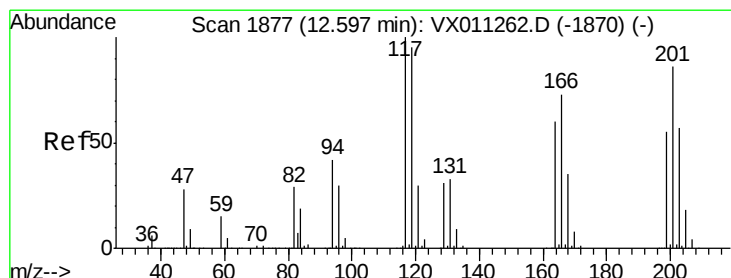
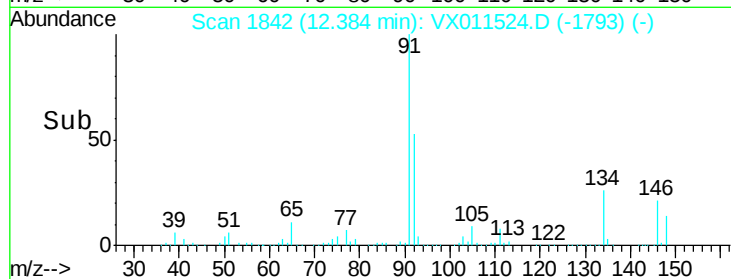
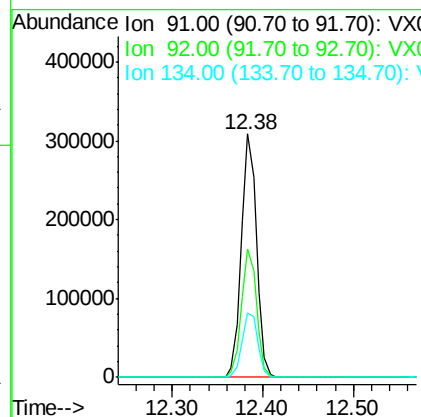
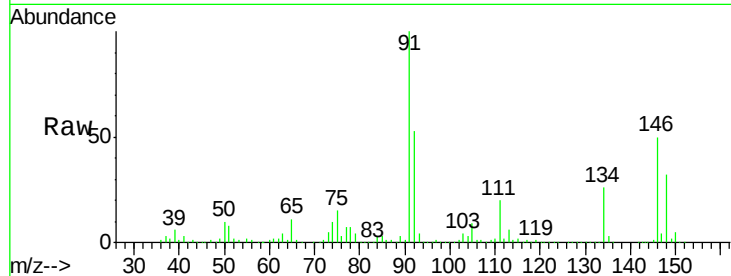
#89
n-Butylbenzene
Concen: 52.069 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.8	77.3
134	27.4	13.7	41.0

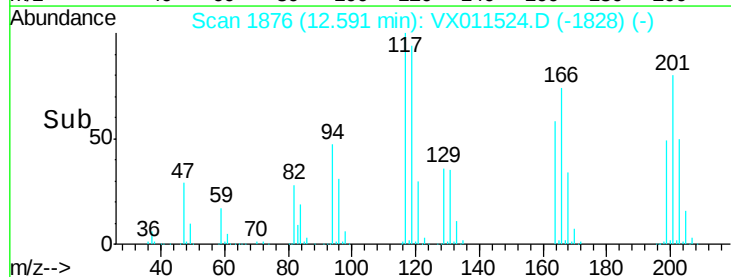
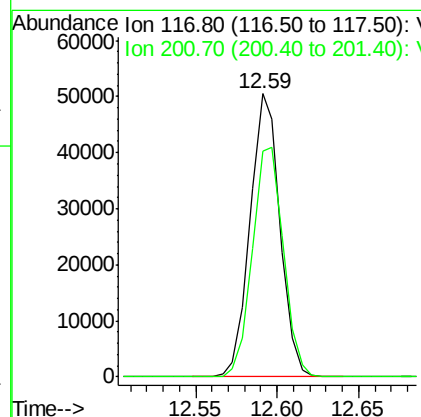
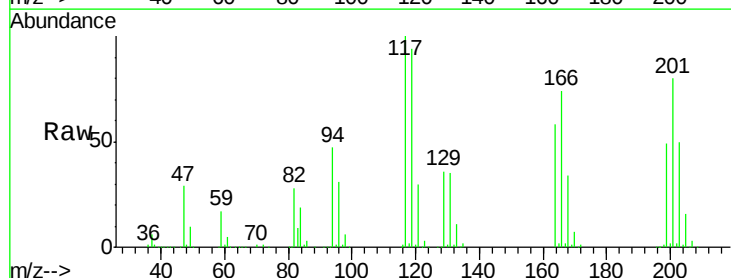
Manual Integrations
APPROVED

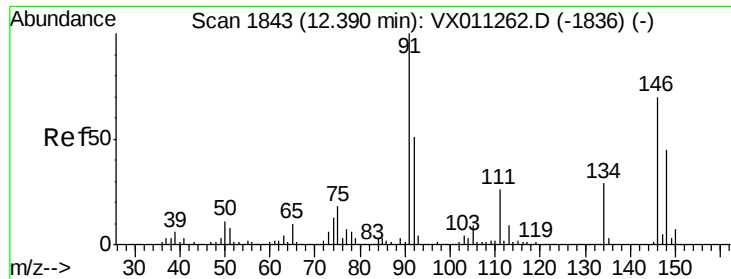
MMDadoda
8/14/2019 11:31:12 AM



#90
Hexachloroethane
Concen: 54.835 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.8	125.4





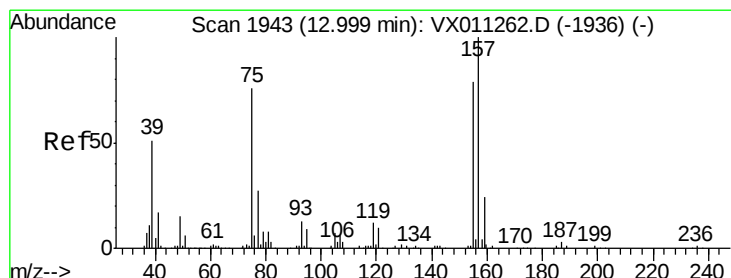
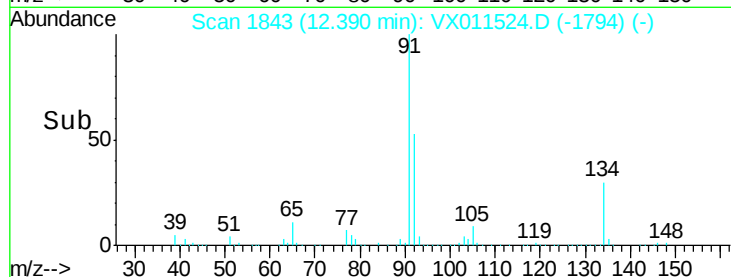
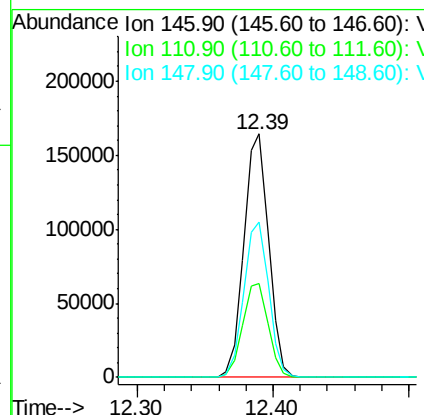
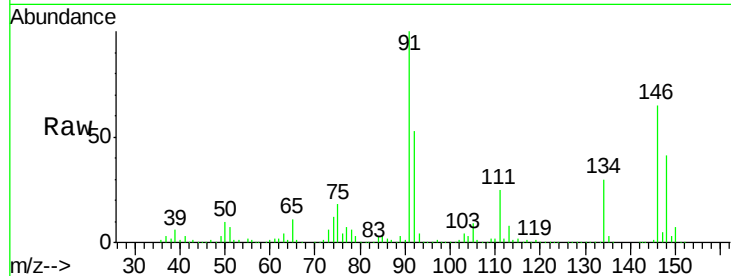
#91
 1,2-Dichlorobenzene
 Concen: 48.201 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208609		
111	40.0	19.1	57.1	
148	64.2	32.3	96.8	

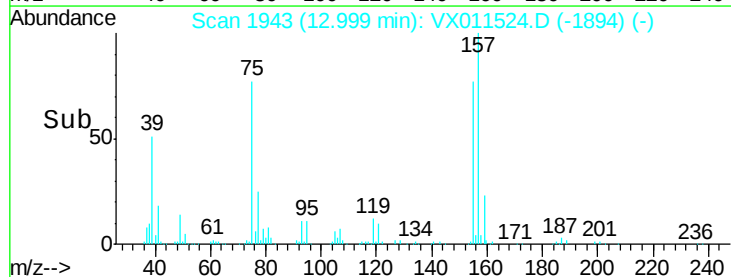
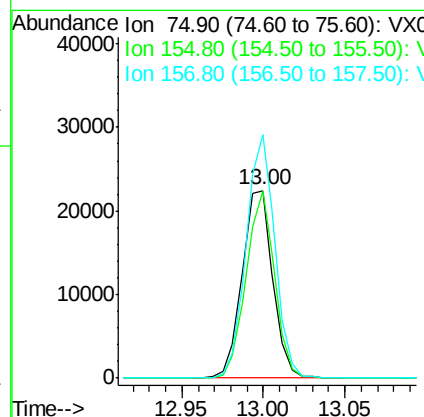
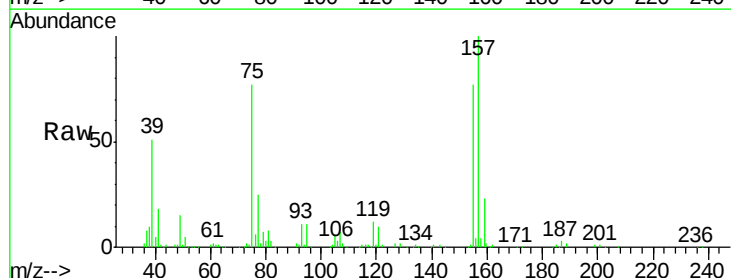
Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.636 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29309		
155	93.1	51.9	155.8	
157	121.9	64.3	192.7	





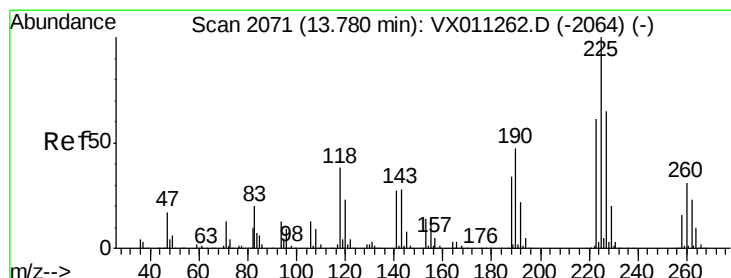
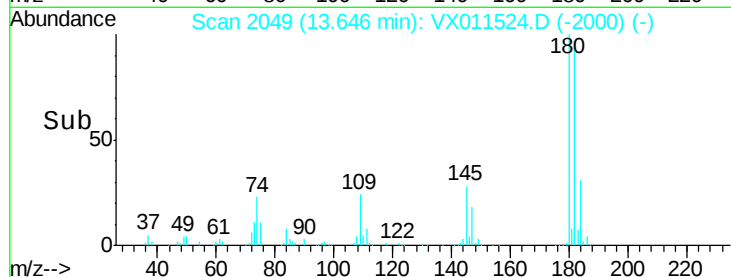
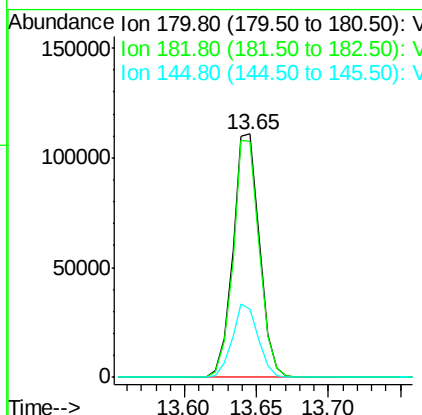
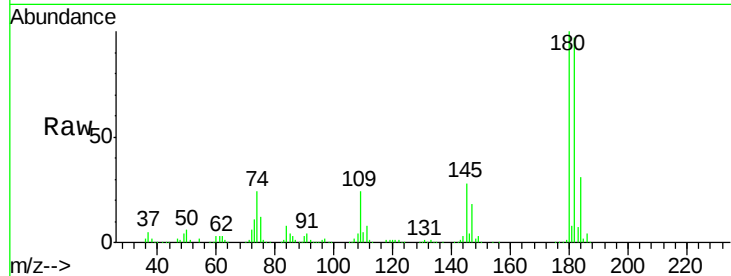
#93
 1,2,4-Trichlorobenzene
 Concen: 49.550 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142220		
182	96.1	47.8	143.4	
145	29.4	14.8	44.3	

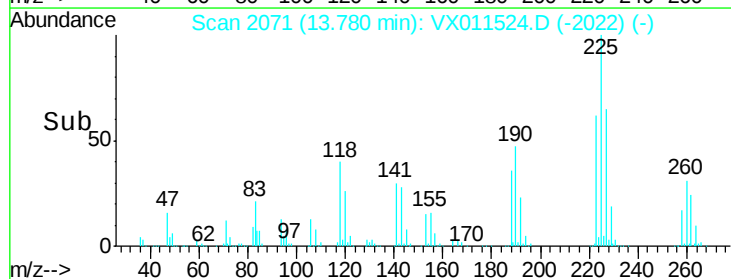
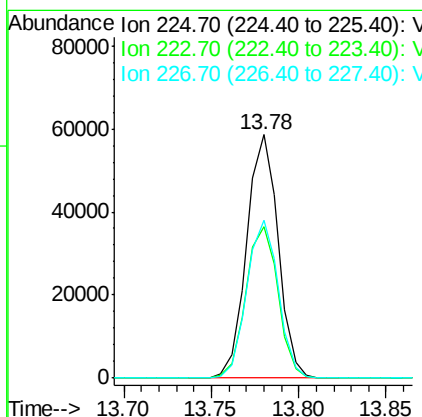
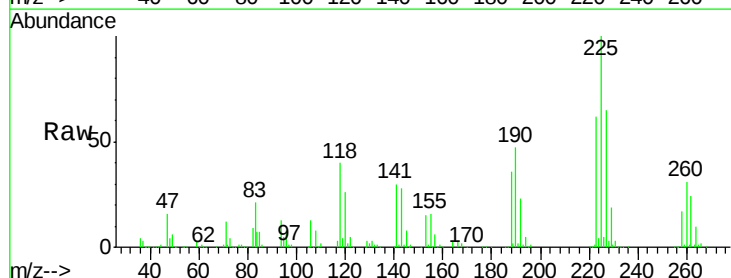
Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:12 AM



#94
 Hexachlorobutadiene
 Concen: 50.131 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011524.D
 Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73001		
223	63.5	31.0	93.0	
227	64.9	32.2	96.6	





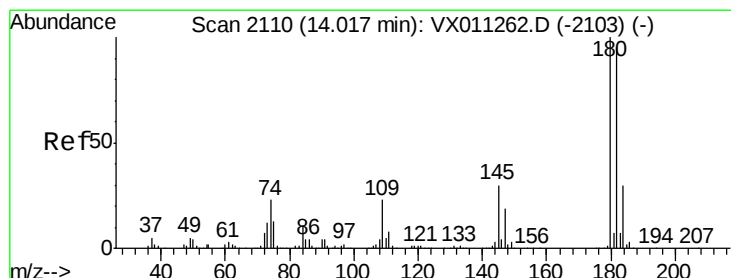
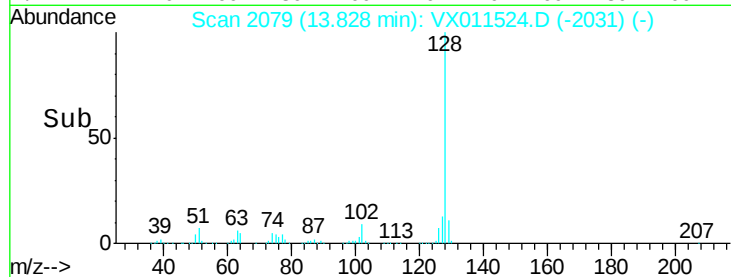
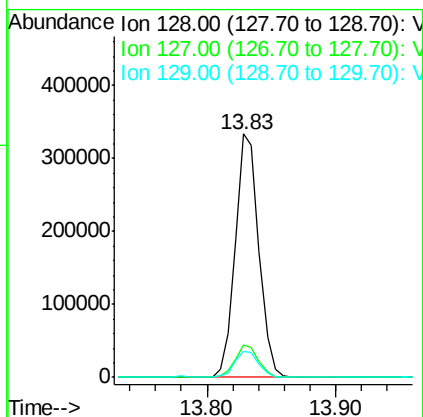
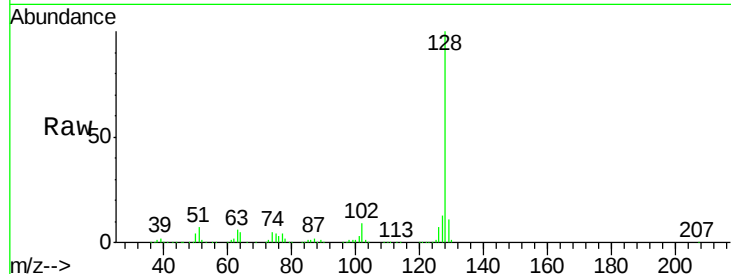
#95
Naphthalene
Concen: 50.394 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.819 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011524.D
Acq: 13 Aug 2019 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.4	142.3
145	31.8	15.2	45.6

