

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011812.D
 Acq On : 23 Aug 2019 20:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:07 AM

Quant Time: Aug 26 03:49:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	573471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	518823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	288685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	194889	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	166302	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	8.71	98	628226	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.13	95	228395	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	179906	46.755	ug/l	100
3) Chloromethane	1.32	50	170266	50.457	ug/l	98
4) Vinyl Chloride	1.40	62	172391	51.104	ug/l	99
5) Bromomethane	1.63	94	89214	48.007	ug/l	95
6) Chloroethane	1.71	64	103682	52.569	ug/l	99
7) Trichlorofluoromethane	1.92	101	262515	48.880	ug/l	100
8) Diethyl Ether	2.18	74	94660	51.835	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	151388	45.553	ug/l	95
10) Methyl Iodide	2.50	142	212302	52.301	ug/l	97
11) Tert butyl alcohol	3.04	59	202056	246.885	ug/l	99
12) 1,1-Dichloroethene	2.37	96	158614	48.947	ug/l	97
13) Acrolein	2.29	56	91546	289.368	ug/l	97
14) Allyl chloride	2.72	41	246629	48.694	ug/l	99
15) Acrylonitrile	3.14	53	474828	253.654	ug/l	100
16) Acetone	2.43	43	381681	211.849	ug/l	96
17) Carbon Disulfide	2.56	76	347520	42.415	ug/l	100
18) Methyl Acetate	2.76	43	260402	53.265	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	528650	50.857	ug/l	98
20) Methylene Chloride	2.85	84	174676	47.422	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	170278	48.716	ug/l	97
22) Diisopropyl ether	3.85	45	502451	51.158	ug/l	97
23) Vinyl Acetate	3.81	43	1986678	244.308	ug/l	100
24) 1,1-Dichloroethane	3.69	63	282958	48.795	ug/l	100
25) 2-Butanone	4.67	43	643321	248.766	ug/l	99
26) 2,2-Dichloropropane	4.57	77	182342	37.027	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	195400	48.748	ug/l	96
28) Bromochloromethane	5.01	49	125667	47.740	ug/l	93
29) Tetrahydrofuran	5.12	42	416309	251.133	ug/l	99
30) Chloroform	5.20	83	290460	46.168	ug/l	99
31) Cyclohexane	5.57	56	252763	49.631	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	256350	46.874	ug/l	99
36) 1,1-Dichloropropene	5.79	75	222422	49.460	ug/l	97
37) Ethyl Acetate	4.82	43	235569	49.500	ug/l	99
38) Carbon Tetrachloride	5.78	117	235826	46.272	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011812.D
 Acq On : 23 Aug 2019 20:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:07 AM

Quant Time: Aug 26 03:49:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	261395	46.906	ug/l	99
40) Benzene	6.13	78	680225	48.897	ug/l	97
41) Methacrylonitrile	5.03	41	131617	47.554	ug/l	98
42) 1,2-Dichloroethane	6.18	62	236703	46.546	ug/l	99
43) Isopropyl Acetate	6.44	43	372212	48.323	ug/l	98
44) Trichloroethene	7.21	130	204880	47.776	ug/l	100
45) 1,2-Dichloropropane	7.51	63	165546	47.344	ug/l	99
46) Dibromomethane	7.66	93	116357	45.135	ug/l	95
47) Bromodichloromethane	7.89	83	205063	44.188	ug/l	98
48) Methyl methacrylate	7.76	41	184050	48.014	ug/l	97
49) 1,4-Dioxane	7.74	88	99423	936.109	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1218740	240.128	ug/l	98
52) Toluene	8.78	92	441434	49.035	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	222682	45.709	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	247270	46.526	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	182816	48.743	ug/l	98
56) Ethyl methacrylate	9.18	69	270141	50.645	ug/l	97
57) 1,3-Dichloropropane	9.37	76	283886	46.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	719710	256.501	ug/l	99
59) 2-Hexanone	9.49	43	929704	238.661	ug/l	98
60) Dibromochloromethane	9.58	129	185034	45.629	ug/l	99
61) 1,2-Dibromoethane	9.67	107	194522	48.336	ug/l	100
64) Tetrachloroethene	9.34	164	209267	50.559	ug/l	98
65) Chlorobenzene	10.13	112	498874	49.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	183671	48.397	ug/l	100
67) Ethyl Benzene	10.25	91	833764	49.256	ug/l	97
68) m/p-Xylenes	10.35	106	660297	101.167	ug/l	96
69) o-Xylene	10.69	106	319796	49.905	ug/l	97
70) Styrene	10.71	104	550765	51.378	ug/l	97
71) Bromoform	10.85	173	149143	45.555	ug/l #	98
73) Isopropylbenzene	11.02	105	854646	49.126	ug/l	100
74) N-amyl acetate	10.90	43	327059	48.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	266651	46.306	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	242100m	47.794	ug/l	
77) Bromobenzene	11.25	156	250766	48.894	ug/l	95
78) n-propylbenzene	11.36	91	941809	50.628	ug/l	100
79) 2-Chlorotoluene	11.42	91	571422	49.374	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	736937	50.769	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	70349	41.883	ug/l	100
82) 4-Chlorotoluene	11.51	91	656706	49.227	ug/l	99
83) tert-Butylbenzene	11.77	119	733051	51.186	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	737093	50.285	ug/l	100
85) sec-Butylbenzene	11.94	105	833190	50.860	ug/l	100
86) p-Isopropyltoluene	12.06	119	799453	50.720	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	429279	48.605	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	431911	48.335	ug/l	99
89) n-Butylbenzene	12.38	91	626230	47.994	ug/l	99
90) Hexachloroethane	12.59	117	115776	47.280	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	433116	48.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	58172	43.459	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
Data File : VX011812.D
Acq On : 23 Aug 2019 20:45
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

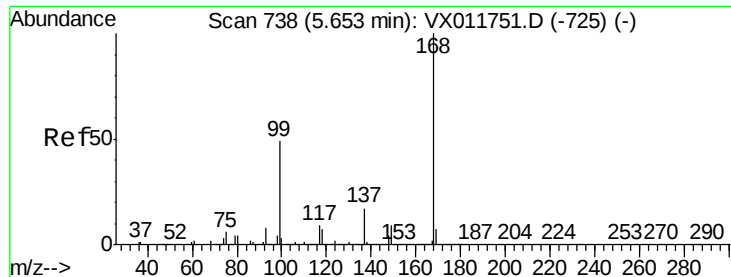
Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM

Quant Time: Aug 26 03:49:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	329885	50.344	ug/l	99
94) Hexachlorobutadiene	13.78	225	167215	46.570	ug/l	99
95) Naphthalene	13.83	128	962784	53.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	336500	51.145	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 412291

Ion Ratio Lower Upper

168 100

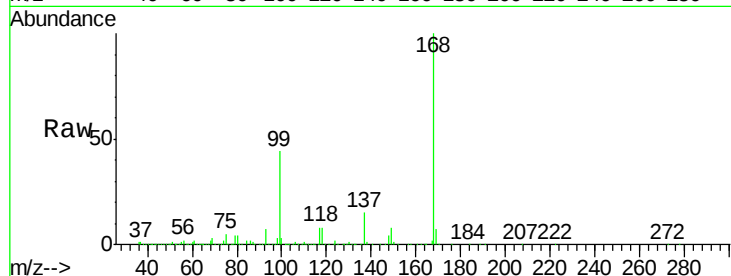
99 43.9 39.4 59.2

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

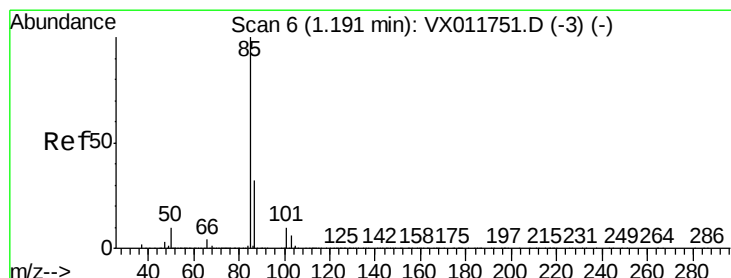
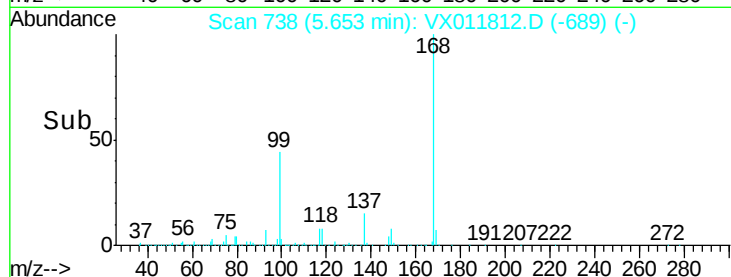
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.755 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011812.D

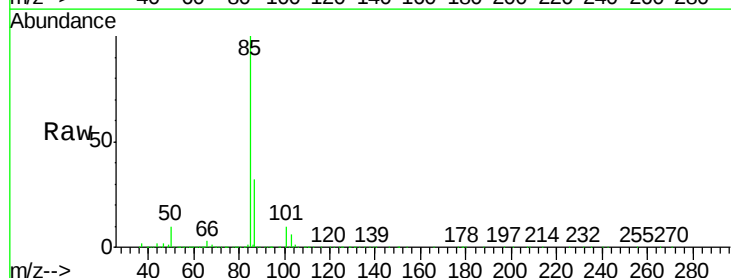
Acq: 23 Aug 2019 20:45

Tgt Ion: 85 Resp: 179906

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

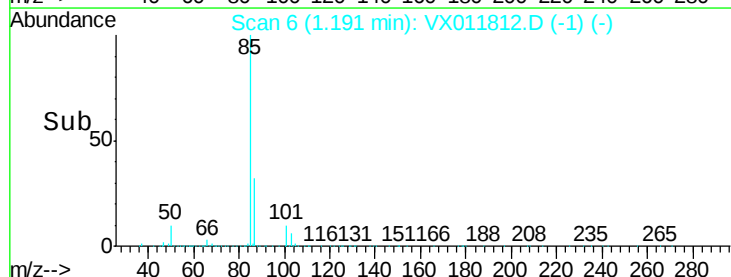
150000

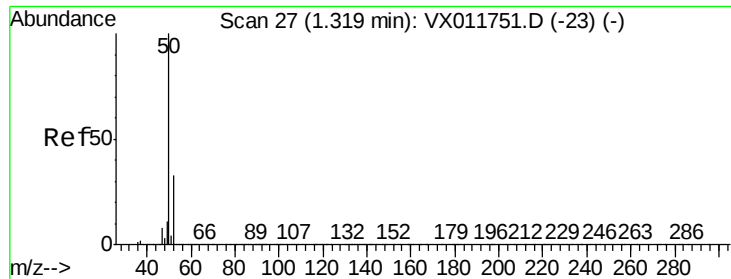
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.457 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 170266

Ion Ratio Lower Upper

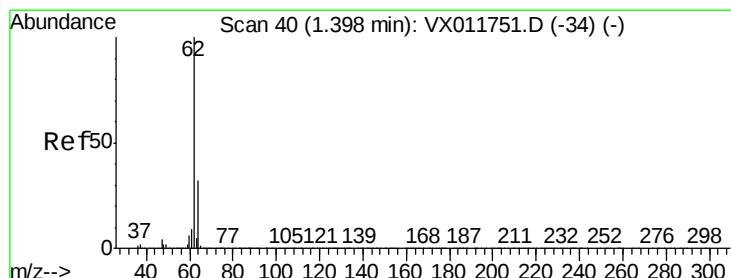
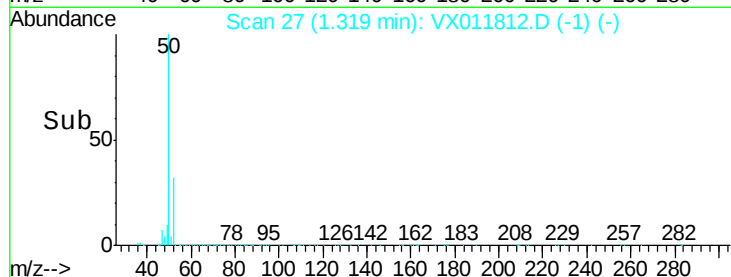
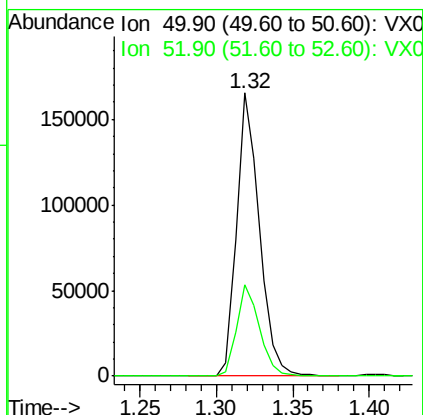
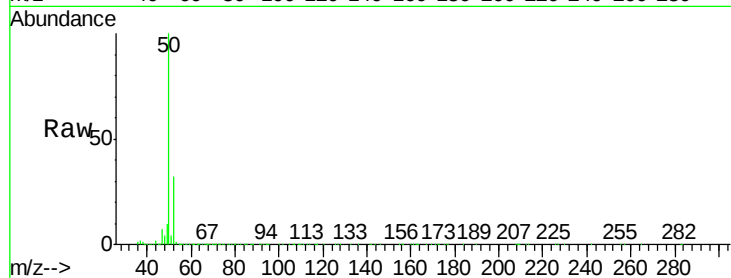
50 100

52 32.3 26.6 39.8

Manual Integrations
APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#4

Vinyl Chloride

Concen: 51.104 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011812.D

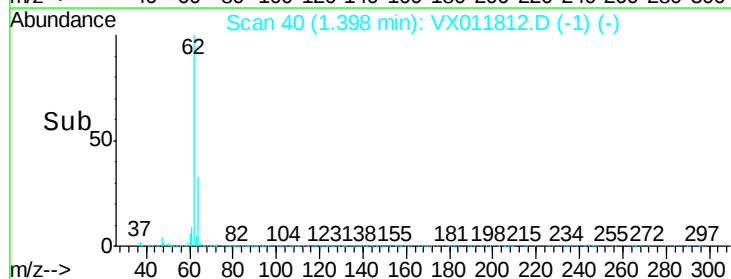
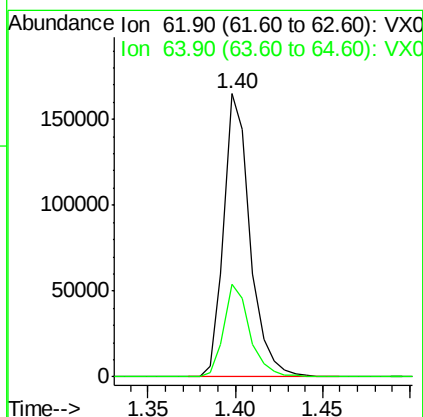
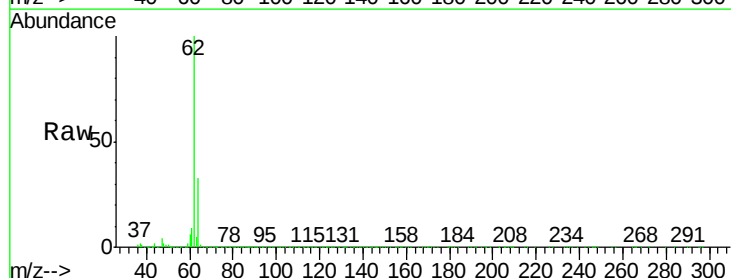
Acq: 23 Aug 2019 20:45

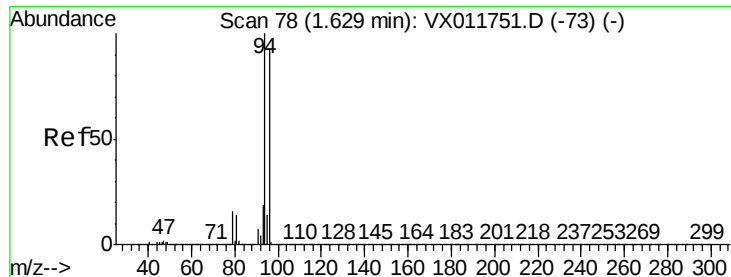
Tgt Ion: 62 Resp: 172391

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 48.007 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89214

Ion Ratio Lower Upper

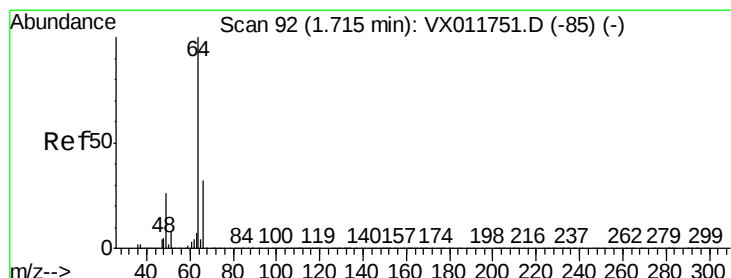
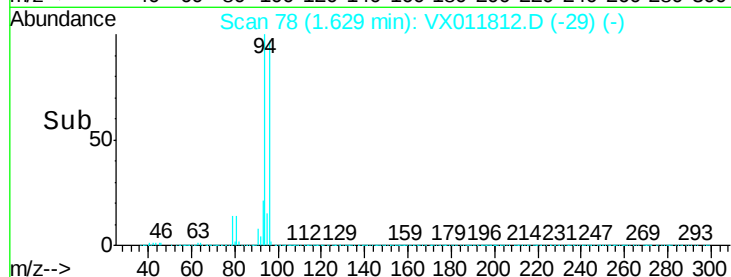
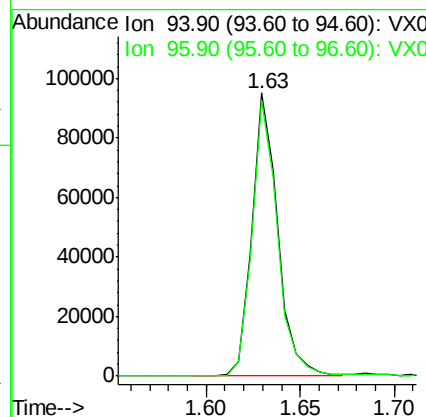
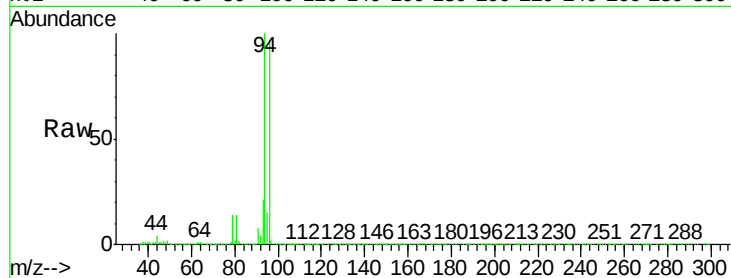
94 100

96 97.2 74.1 111.1

Manual Integrations
APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#6

Chloroethane

Concen: 52.569 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011812.D

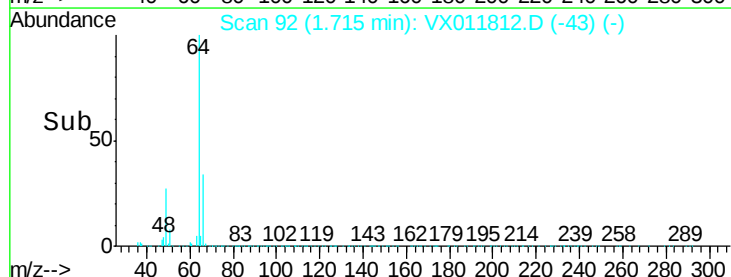
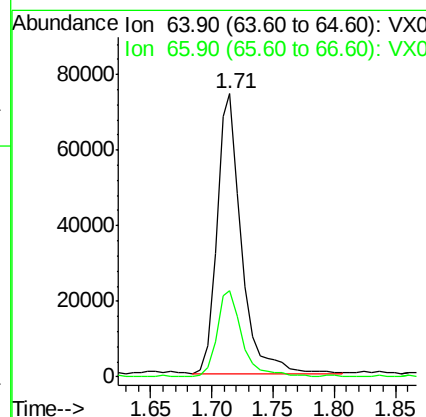
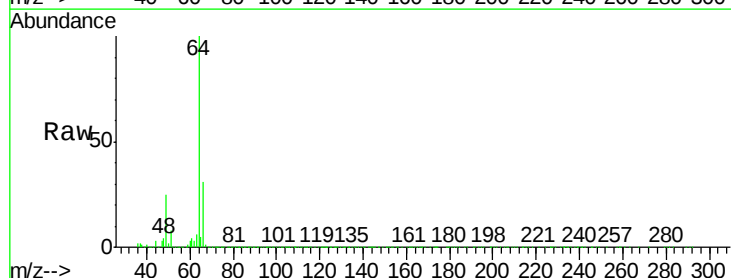
Acq: 23 Aug 2019 20:45

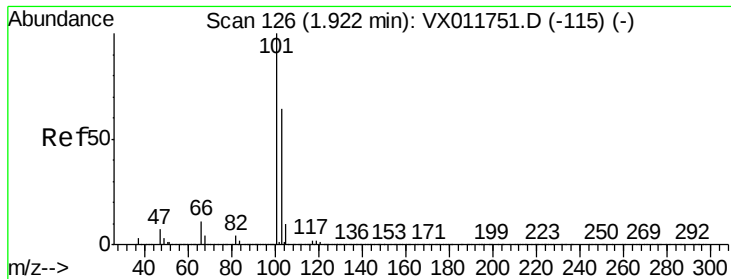
Tgt Ion: 64 Resp: 103682

Ion Ratio Lower Upper

64 100

66 30.7 24.9 37.3





#7

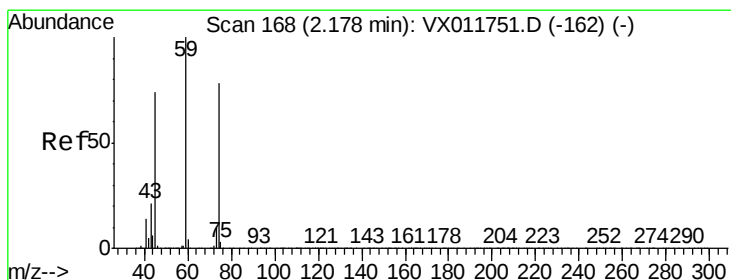
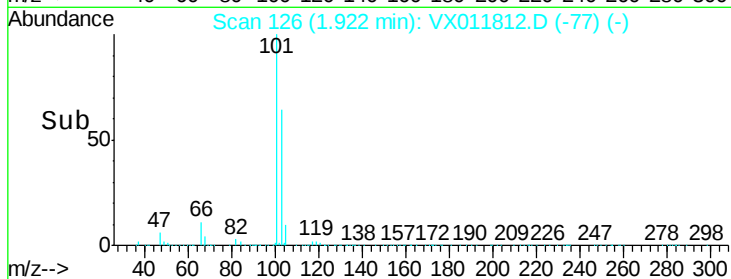
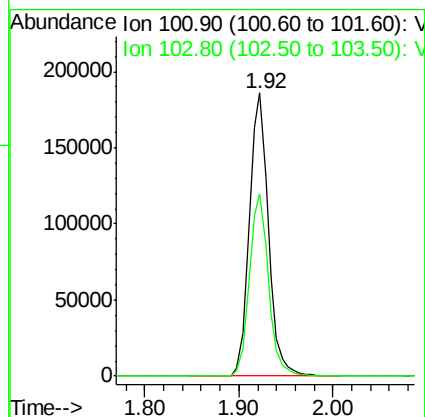
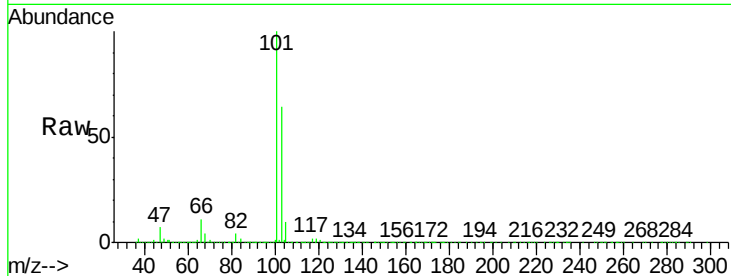
Trichlorofluoromethane
Concen: 48.880 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

Manual Integrations
APPROVED

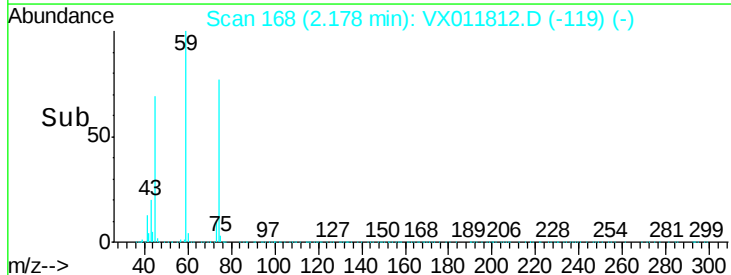
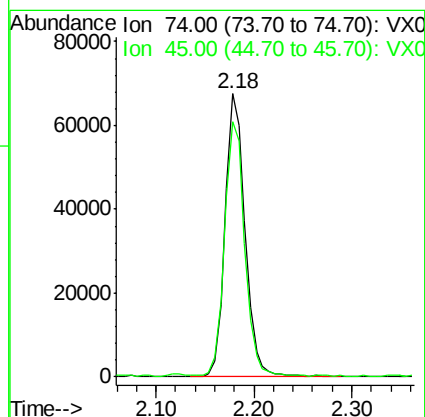
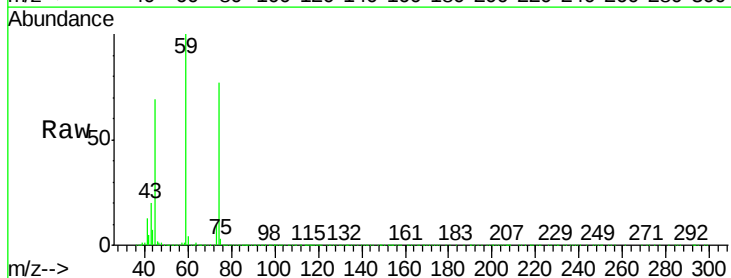
MMDadoda
8/26/2019 11:40:07 AM

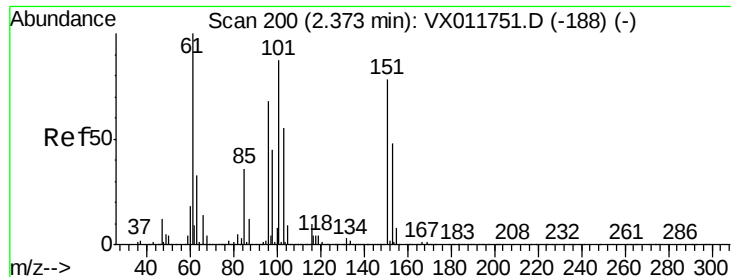


#8

Diethyl Ether
Concen: 51.835 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.553 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

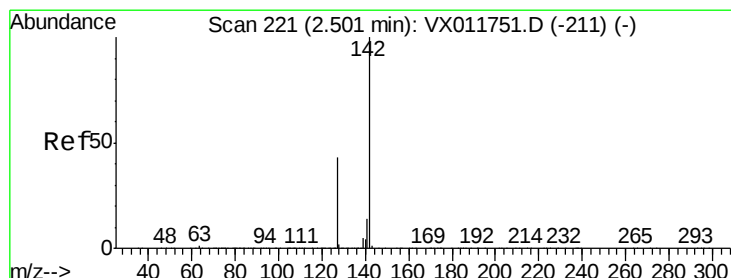
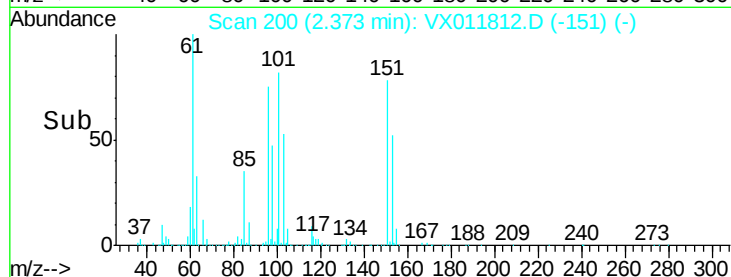
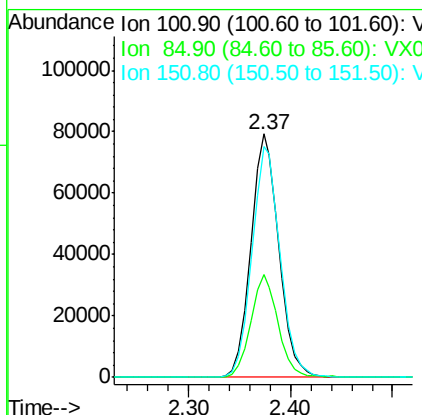
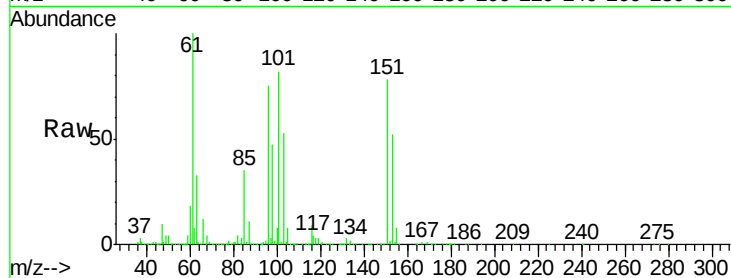
ClientSampled :

VSTDCCC050EC

Tot Ion:	101	Resp:	151388
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	95.7	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#10

Methyl Iodide

Concen: 52.301 ug/l

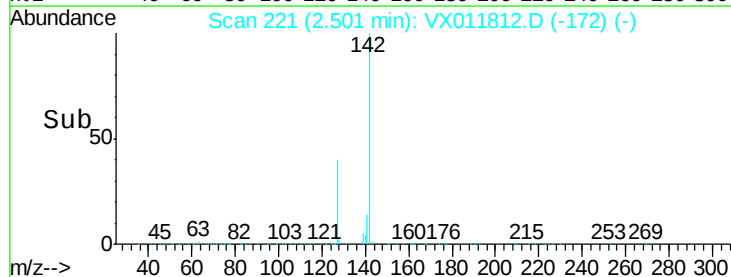
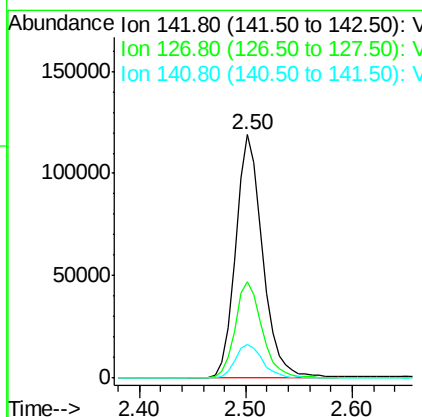
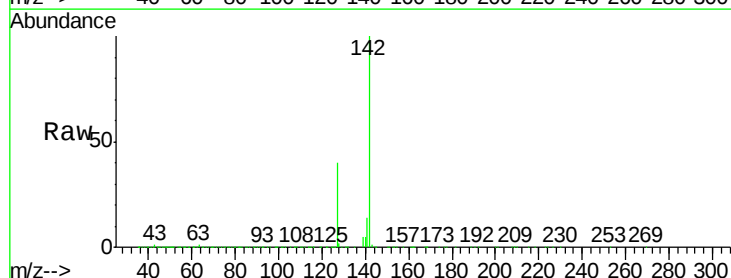
RT: 2.50 min Scan# 221

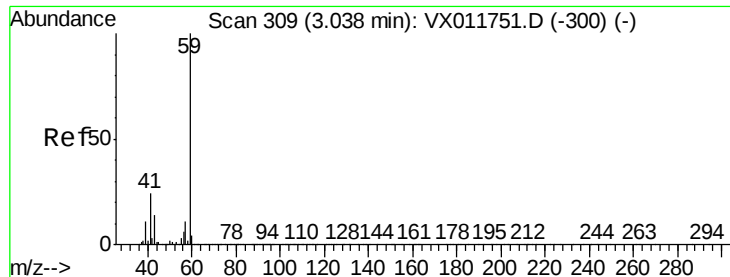
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	142	Resp:	212302
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.5	50.3
141	14.3	11.4	17.2





#11

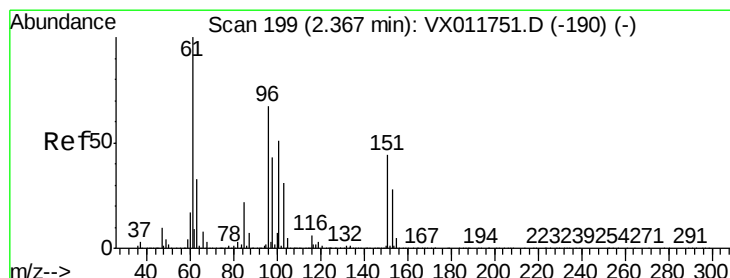
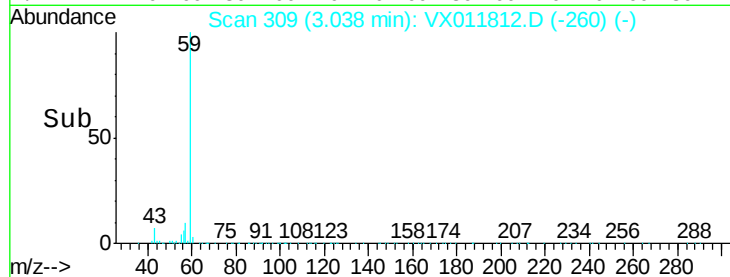
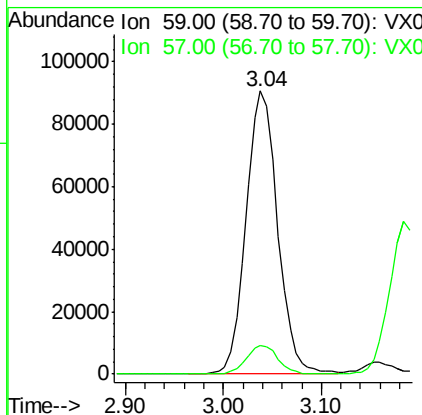
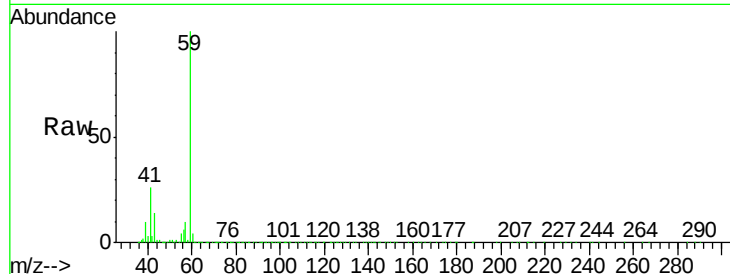
Tert butyl alcohol
 Concen: 246.885 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.4	12.6

Manual Integrations
 APPROVED

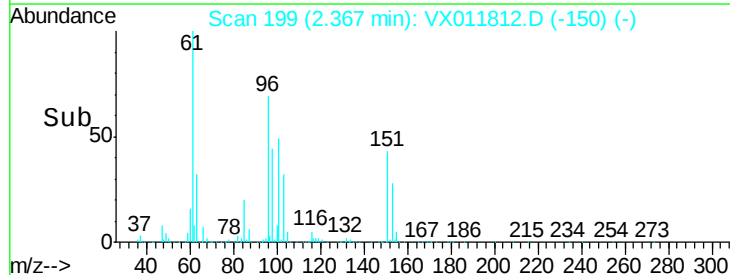
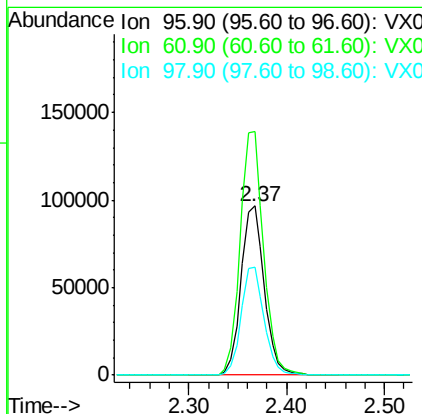
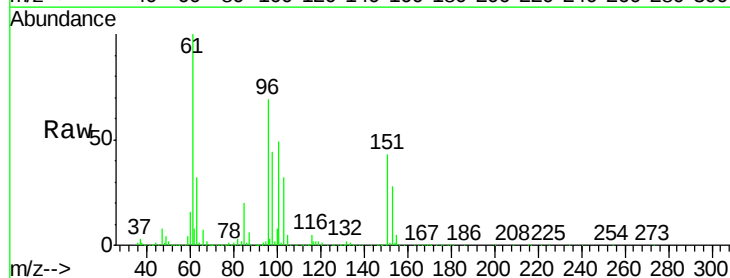
MMDadoda
 8/26/2019 11:40:07 AM

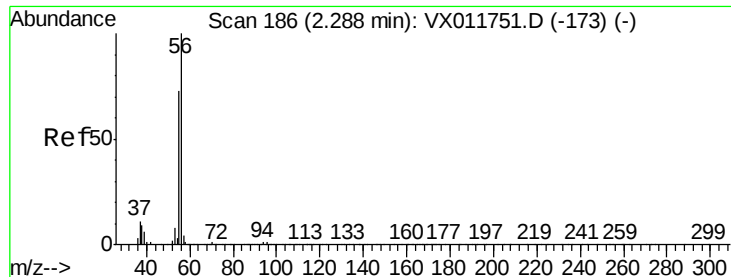


#12

1,1-Dichloroethene
 Concen: 48.947 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	119.4	179.2
98	63.6	51.2	76.8





#13

Acrolein

Concen: 289.368 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 91546

Ion Ratio Lower Upper

56 100

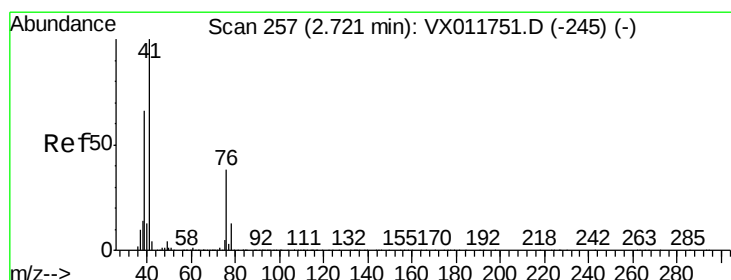
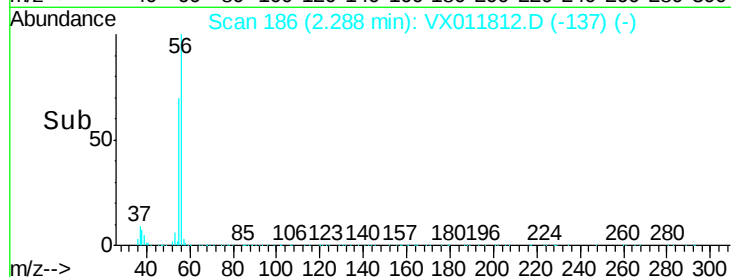
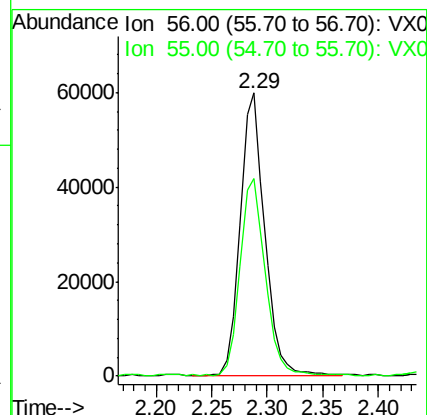
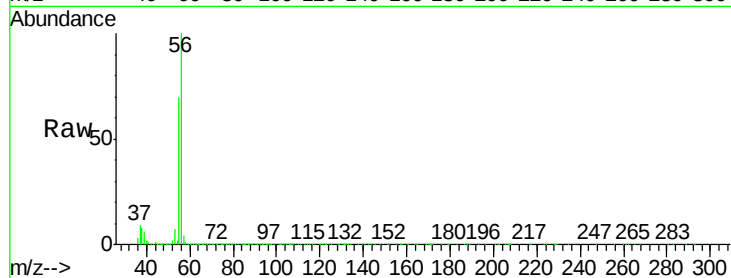
55 70.9 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#14

Allyl chloride

Concen: 48.694 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

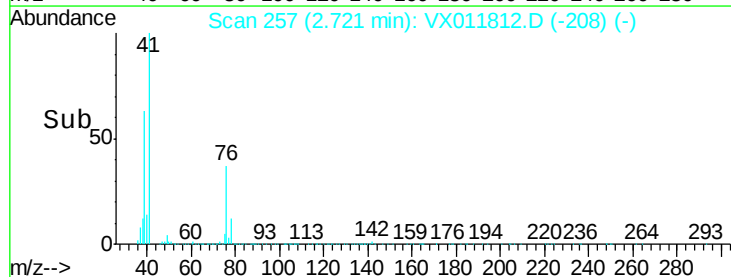
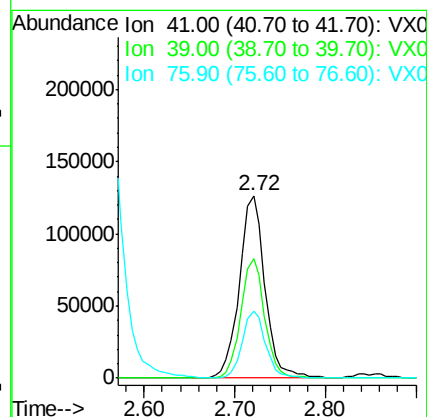
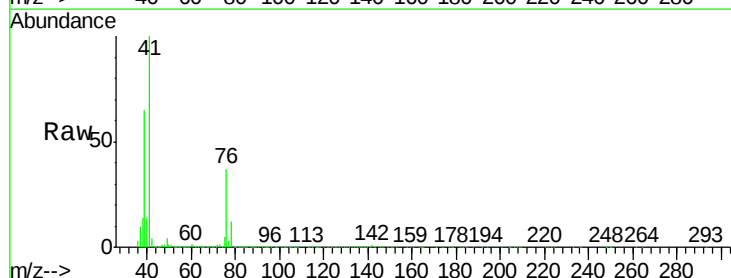
Tgt Ion: 41 Resp: 246629

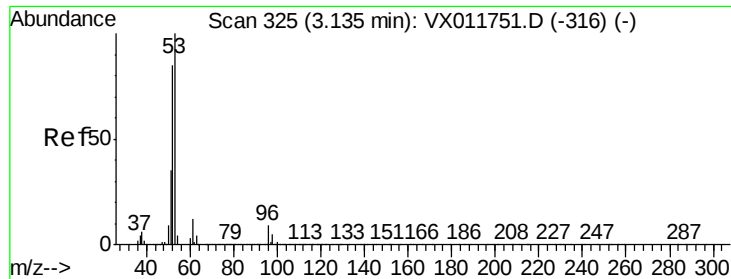
Ion Ratio Lower Upper

41 100

39 61.0 49.3 73.9

76 33.3 26.8 40.2





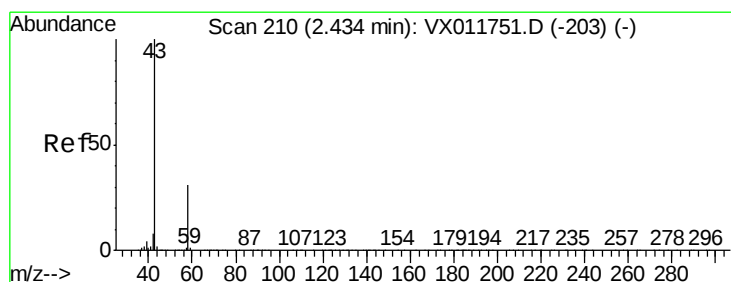
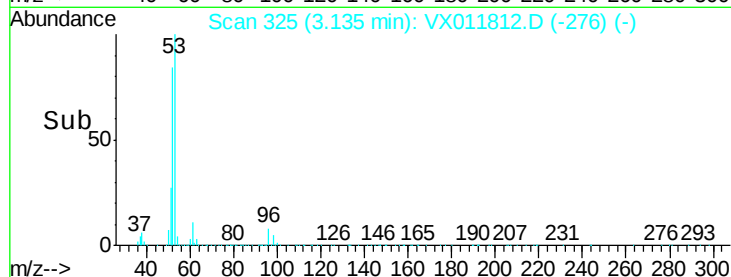
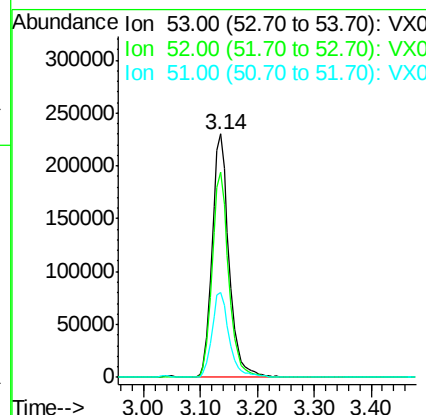
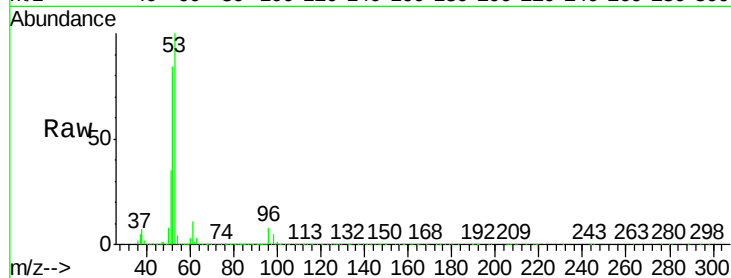
#15
 Acrylonitrile
 Concen: 253.654 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	474828
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.7	98.5
51	35.6	28.6	43.0

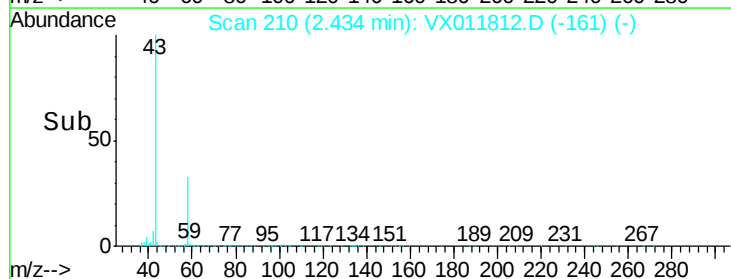
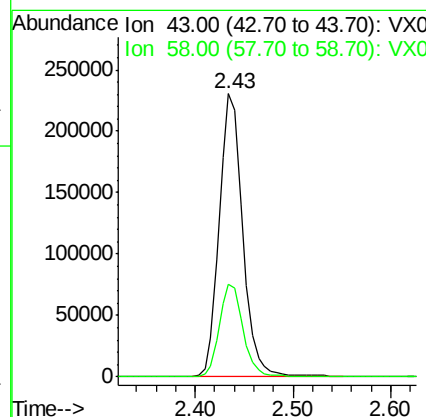
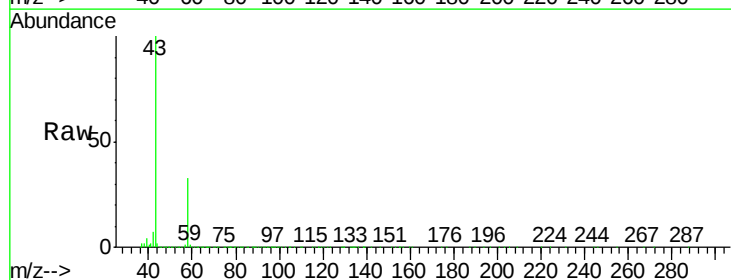
Manual Integrations
 APPROVED

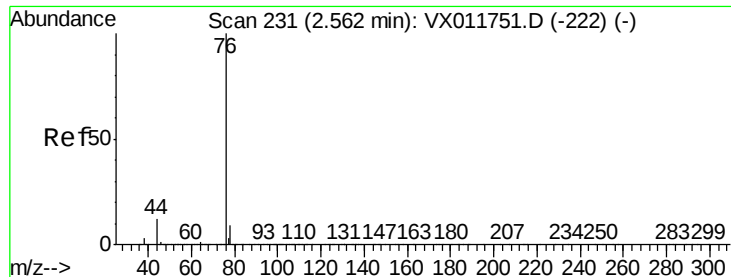
MMDadoda
 8/26/2019 11:40:07 AM



#16
 Acetone
 Concen: 211.849 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion:	43	Resp:	381681
Ion Ratio	Lower	Upper	
43	100		
58	32.5	24.4	36.6





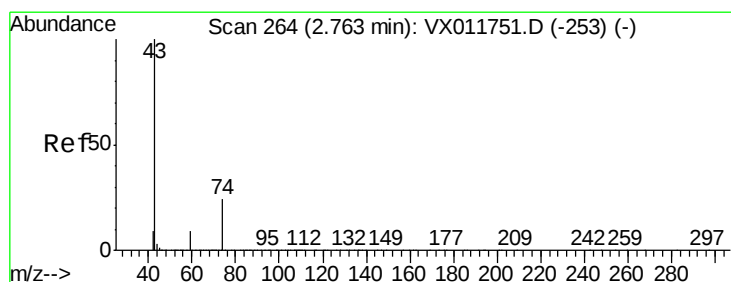
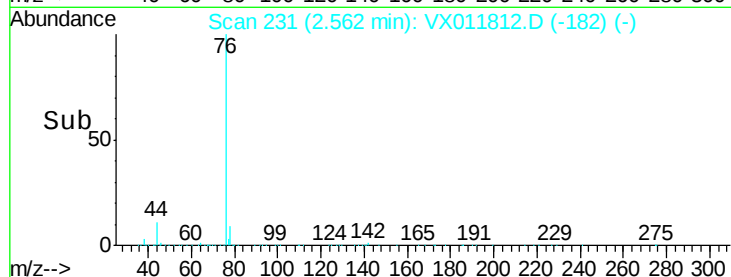
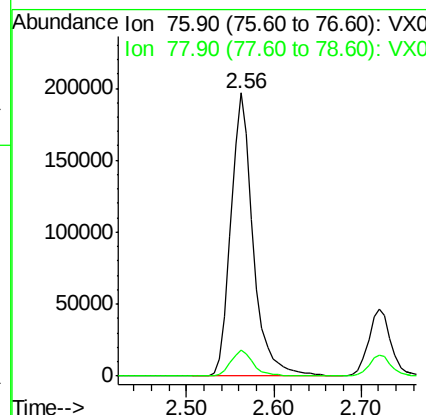
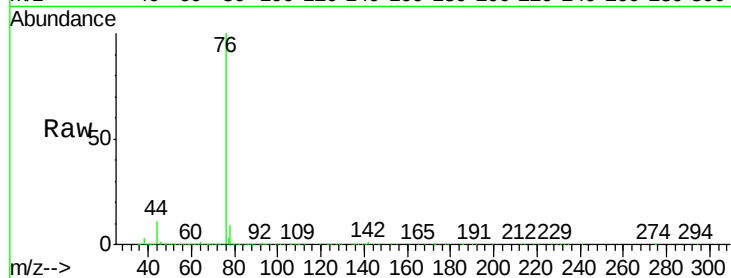
#17
Carbon Disulfide
Concen: 42.415 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

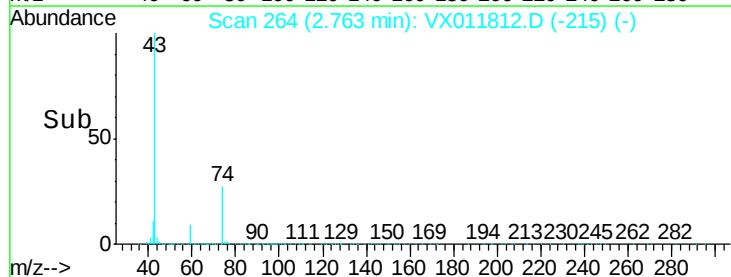
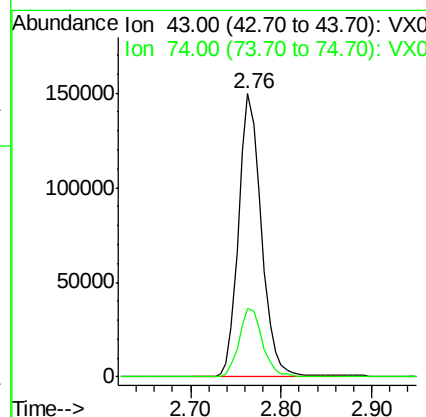
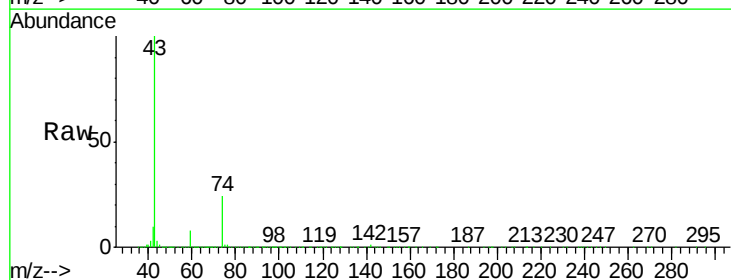
Manual Integrations
APPROVED

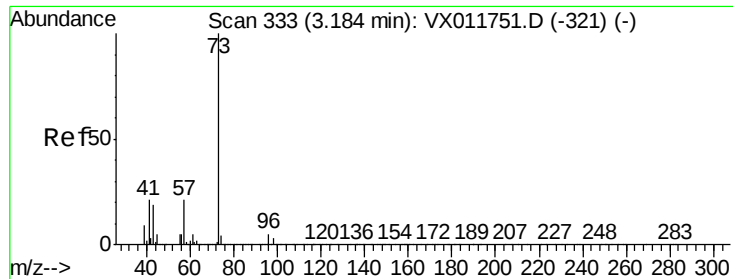
MMDadoda
8/26/2019 11:40:07 AM



#18
Methyl Acetate
Concen: 53.265 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.5	29.3





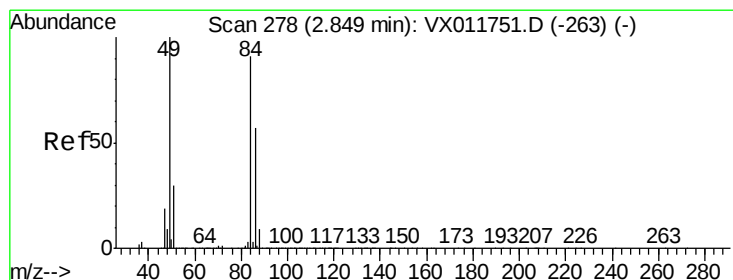
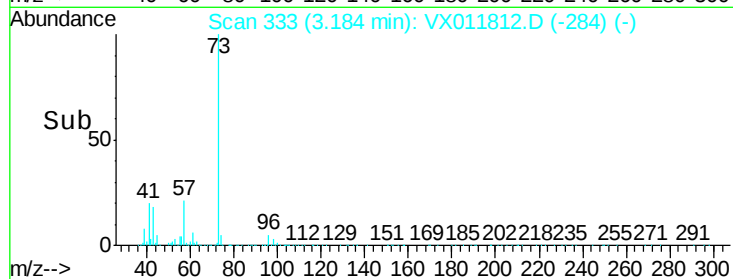
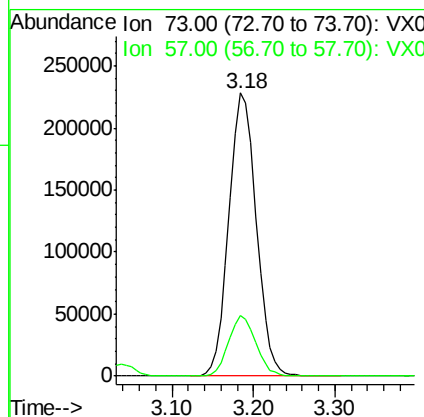
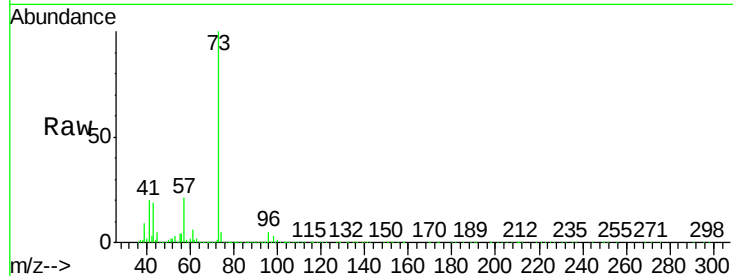
#19
Methvl tert-butvl Ether
Concen: 50.857 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.4	24.6

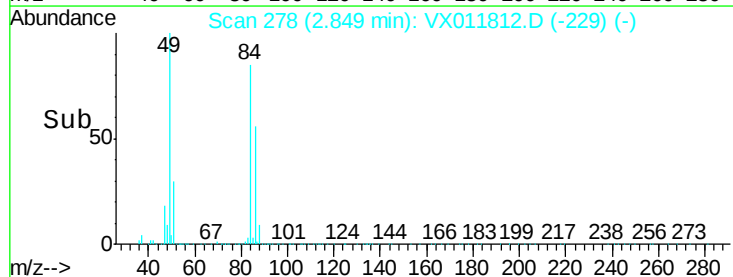
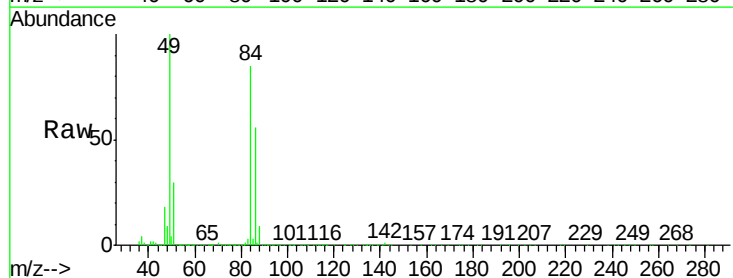
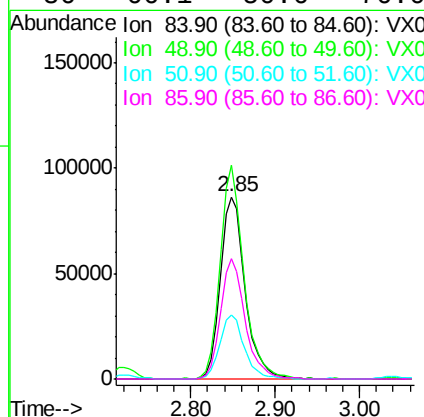
Manual Integrations
APPROVED

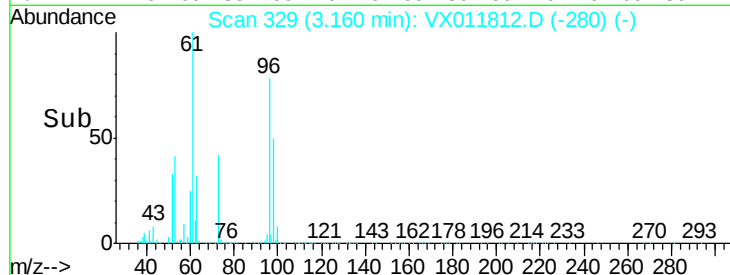
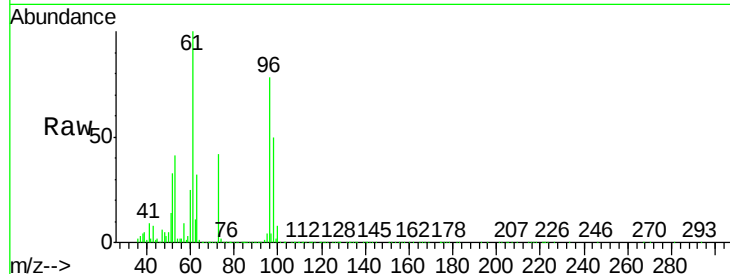
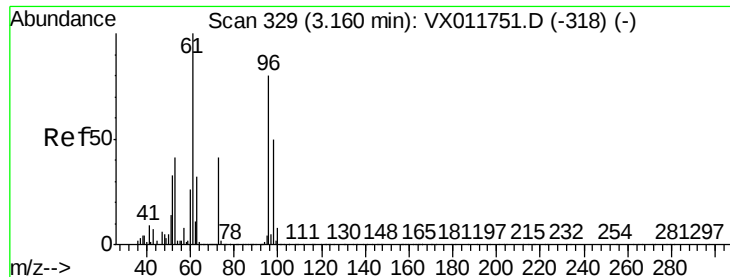
MMDadoda
8/26/2019 11:40:07 AM



#20
Methylene Chloride
Concen: 47.422 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	88.3	132.5
51	35.1	26.2	39.2
86	66.1	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 48.716 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011812.D

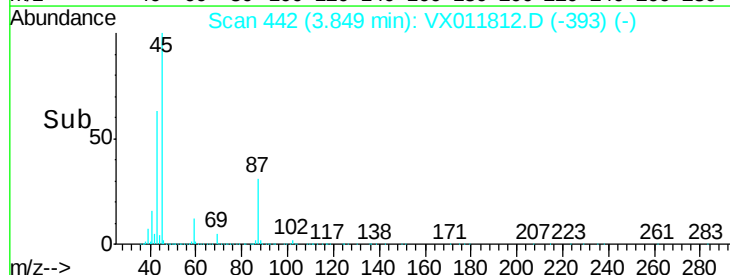
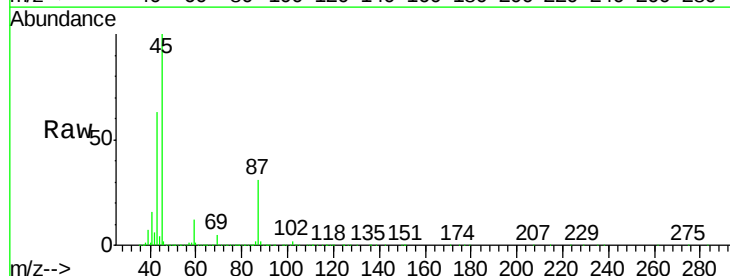
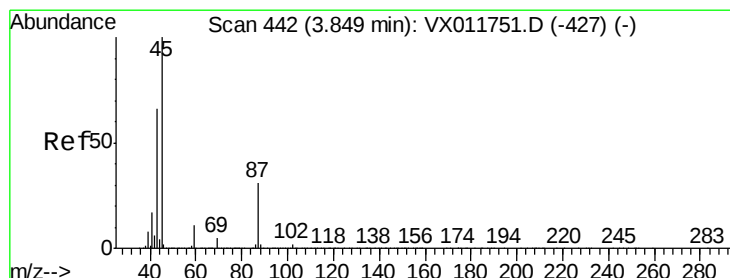
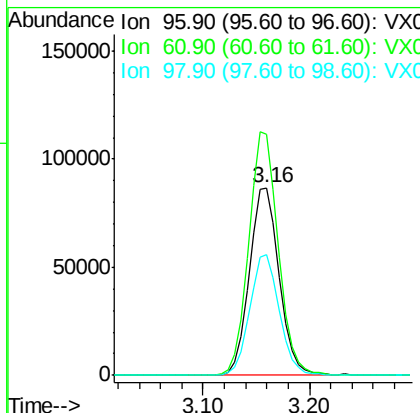
Acq: 23 Aug 2019 20:45

Tot Ion:	96	Resp:	170278
Ion Ratio	Lower	Upper	
96	100		
61	128.8	99.8	149.8
98	64.2	50.3	75.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#22

Diisopropyl ether

Concen: 51.158 ug/l

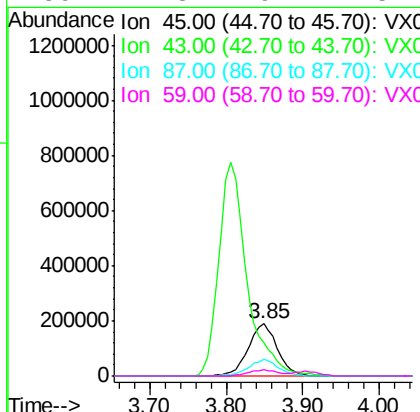
RT: 3.85 min Scan# 442

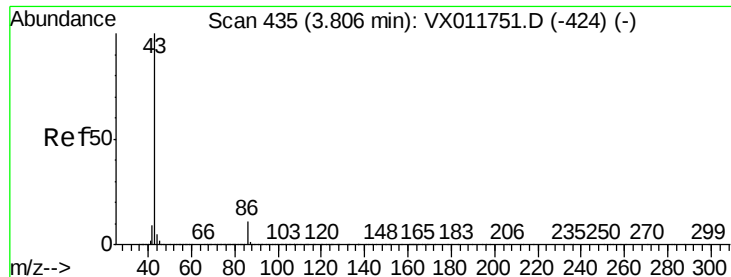
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	45	Resp:	502451
Ion Ratio	Lower	Upper	
45	100		
43	63.0	53.0	79.6
87	30.8	24.7	37.1
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 244.308 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tot Ion: 43 Resp: 1986678

Ion Ratio Lower Upper

43 100

86 11.5 9.2 13.8

Instrument :

MSVOA_X

ClientSampleId :

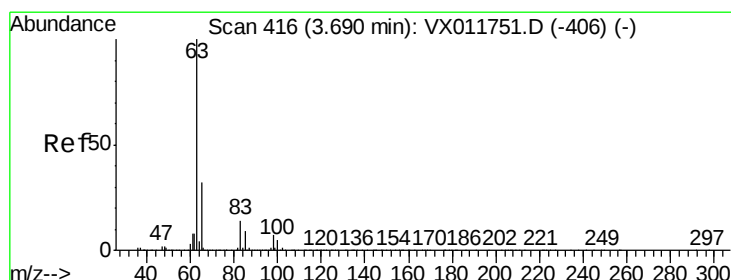
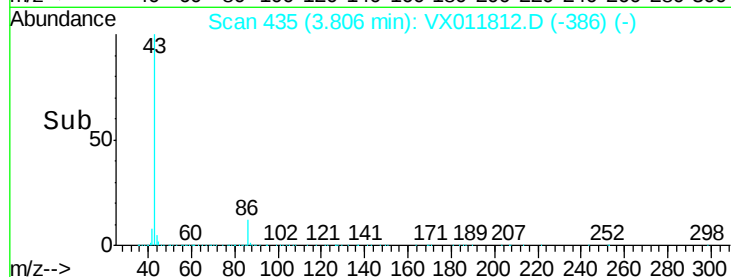
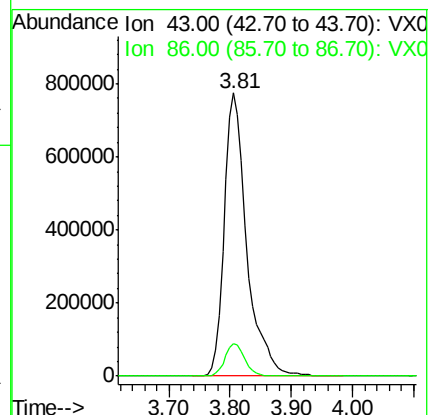
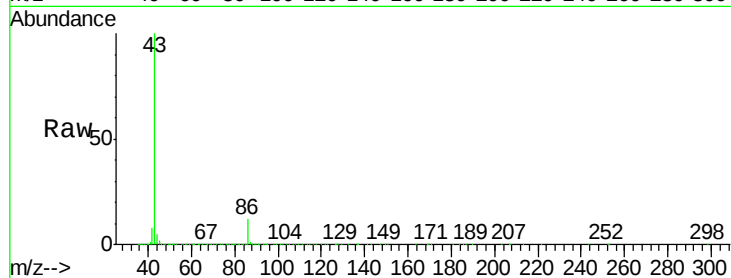
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#24

1,1-Dichloroethane

Concen: 48.795 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

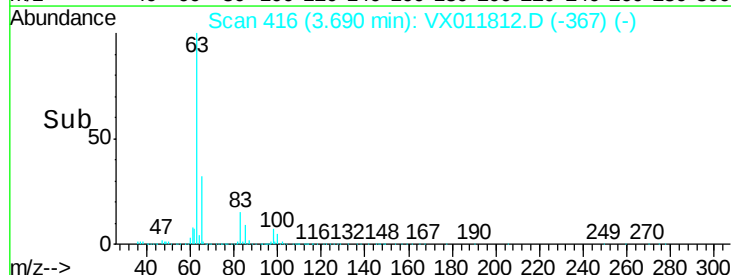
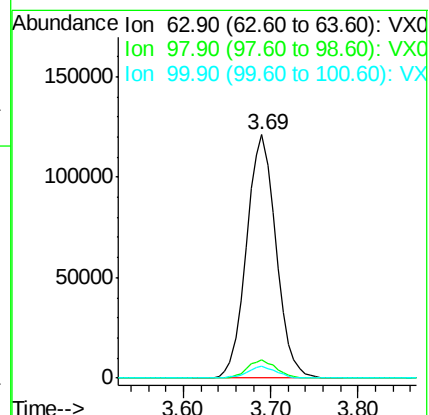
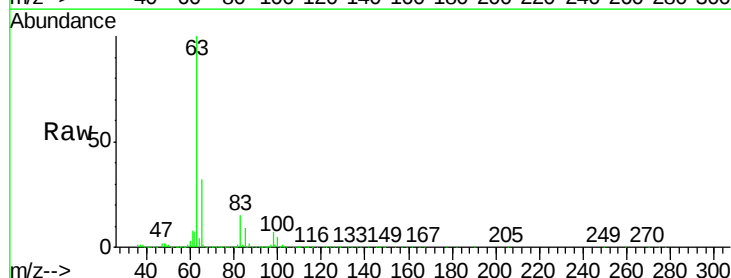
Tgt Ion: 63 Resp: 282958

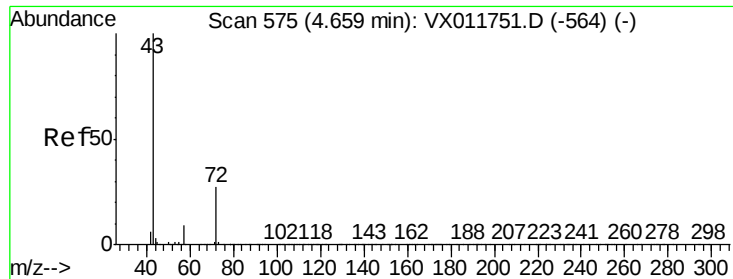
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 5.0 2.3 6.9





#25

2-Butanone

Concen: 248.766 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 643321

Ion Ratio Lower Upper

43 100

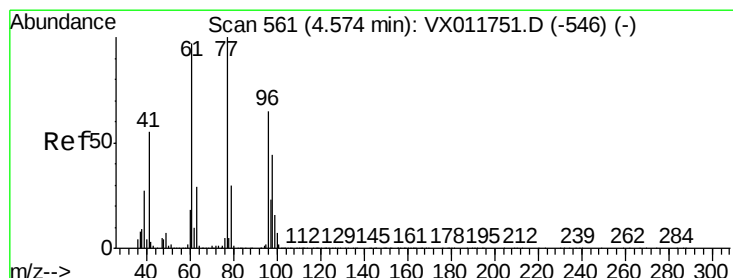
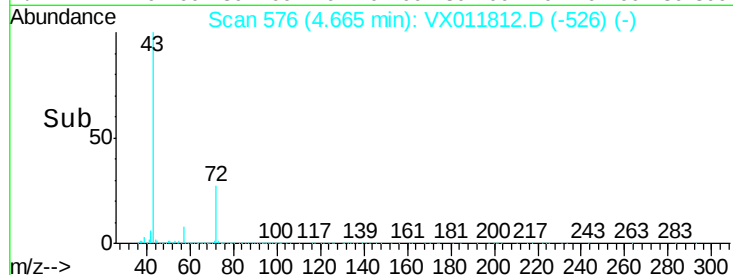
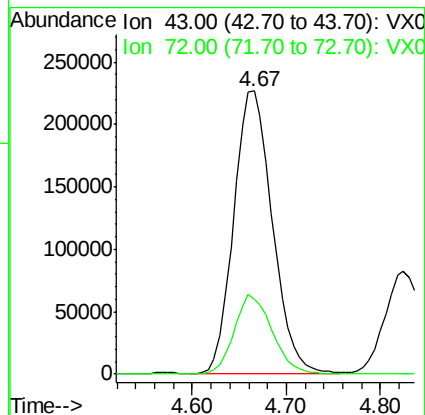
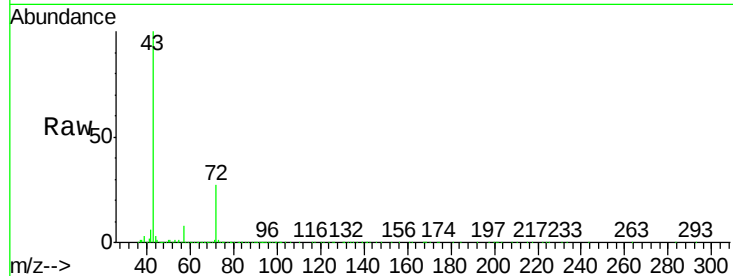
72 26.5 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#26

2,2-Dichloropropane

Concen: 37.027 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011812.D

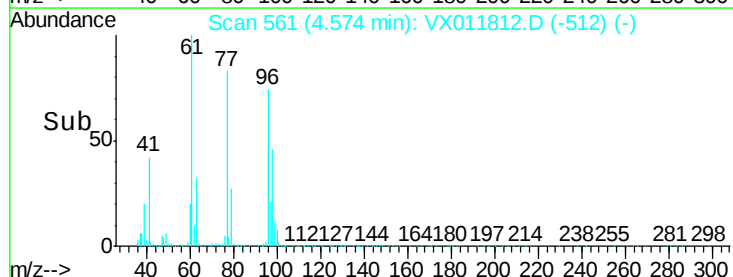
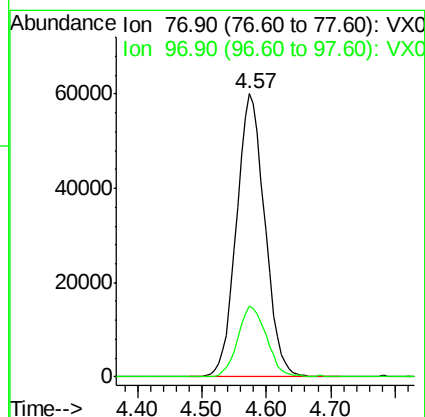
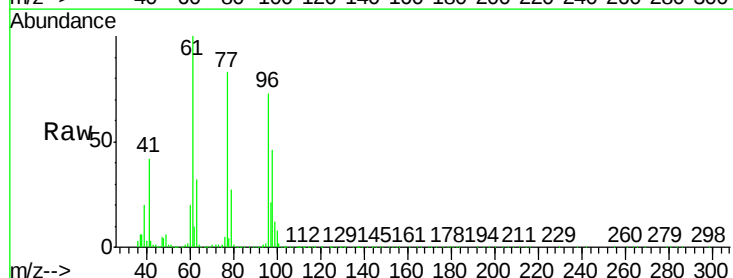
Acq: 23 Aug 2019 20:45

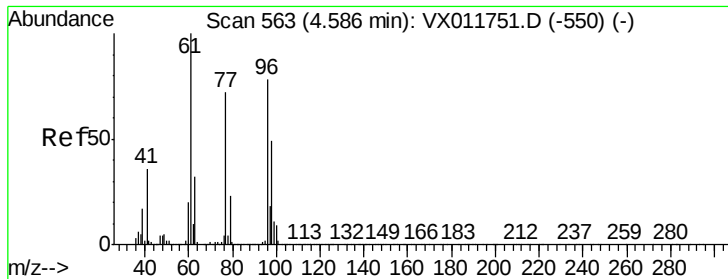
Tgt Ion: 77 Resp: 182342

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

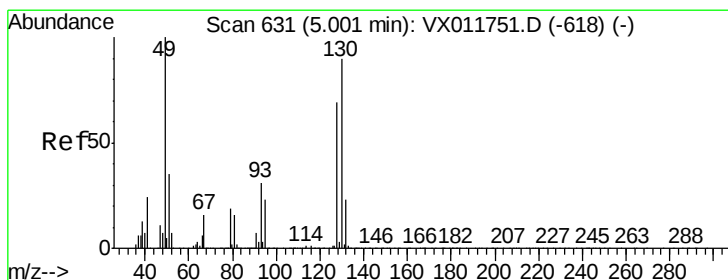
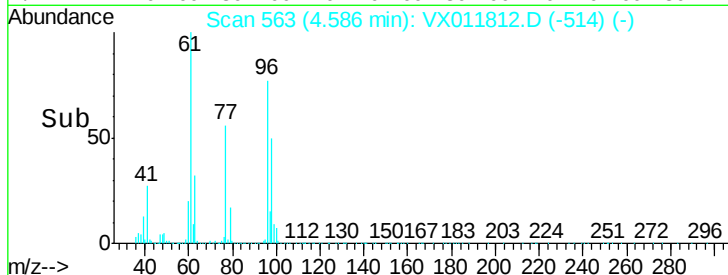
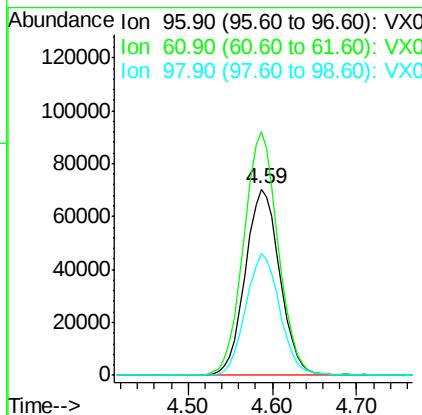
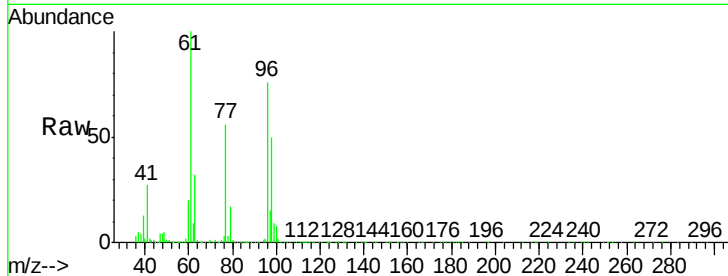
cis-1,2-Dichloroethene
Concen: 48.748 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	195400		
61	130.4	0.0	275.8	
98	64.6	0.0	128.2	

Manual Integrations
APPROVED

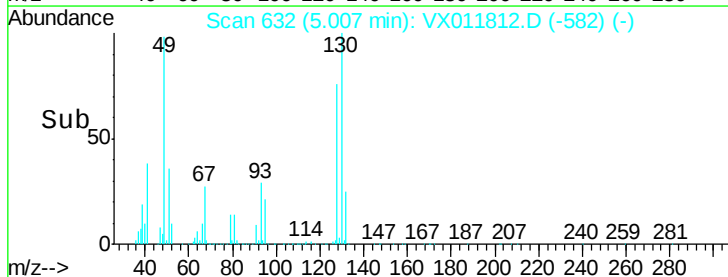
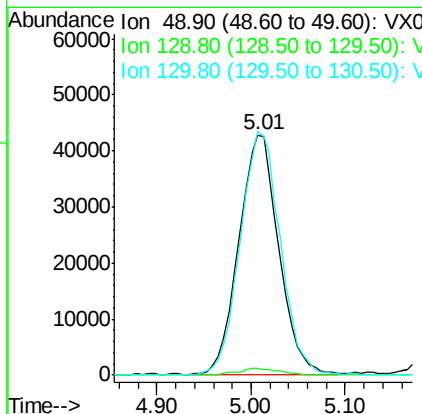
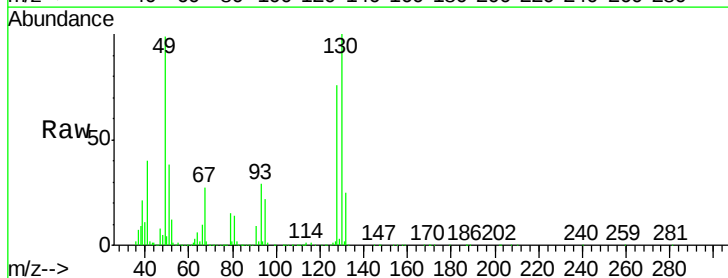
MMDadoda
8/26/2019 11:40:07 AM

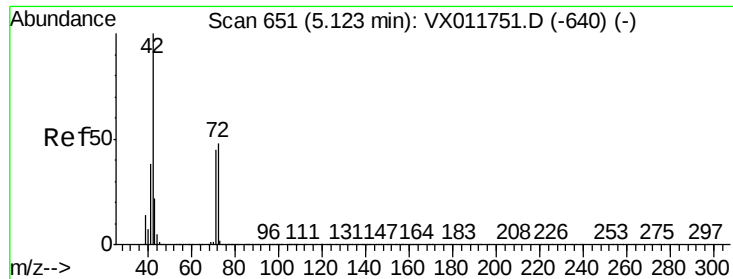


#28

Bromochloromethane
Concen: 47.740 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125667		
129	3.1	0.0	5.8	
130	103.3	76.8	115.2	





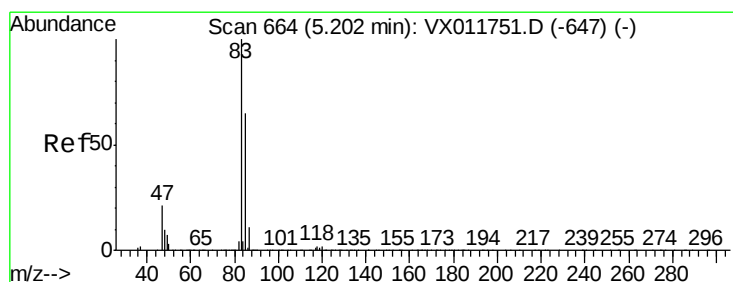
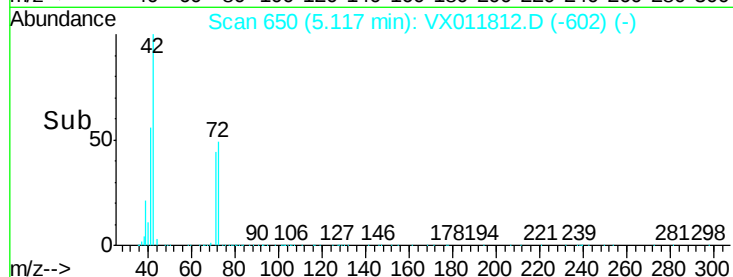
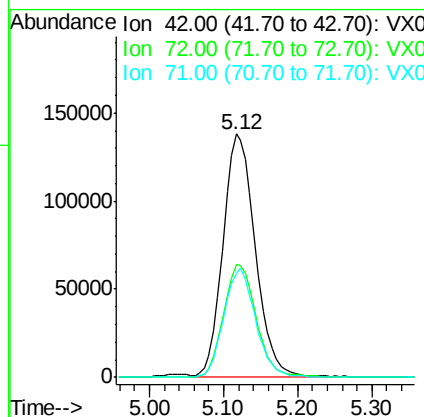
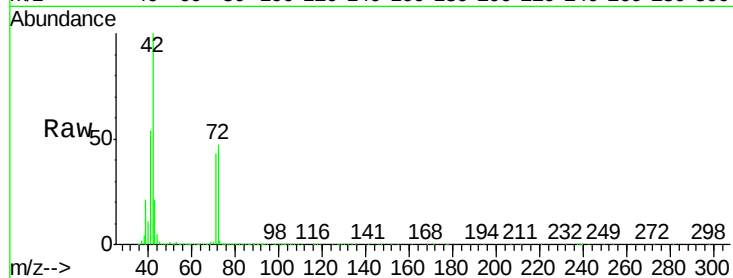
#29
Tetrahydrofuran
Concen: 251.133 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.6	56.4
71	44.3	34.6	51.8

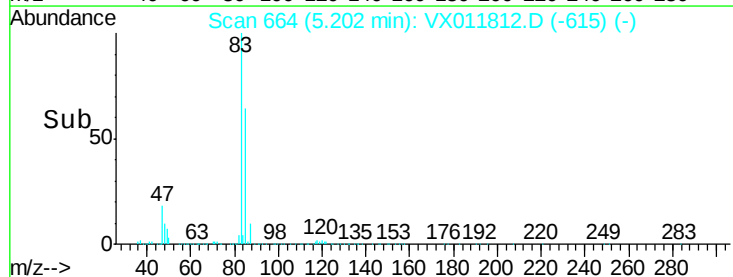
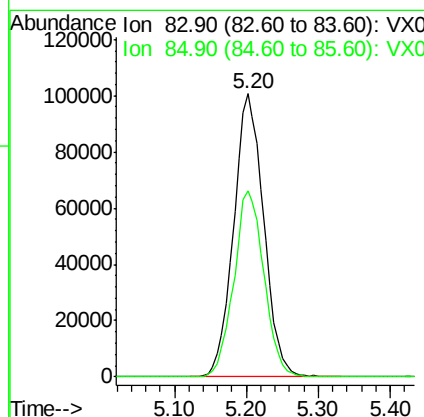
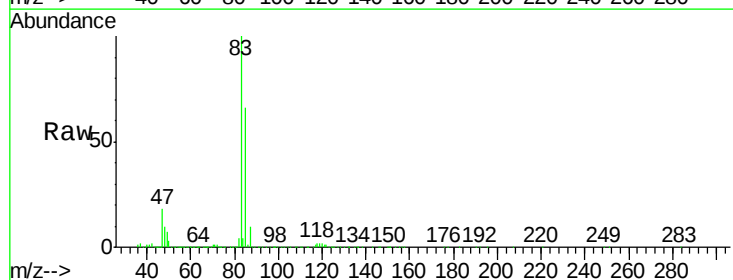
Manual Integrations
APPROVED

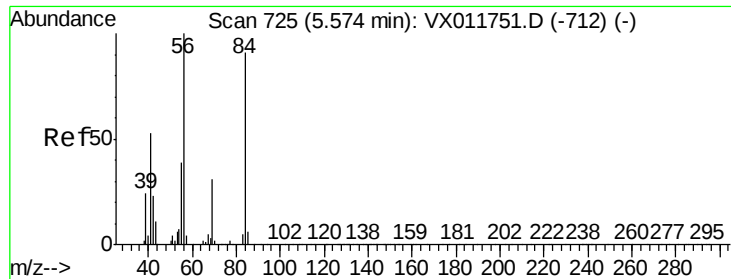
MMDadoda
8/26/2019 11:40:07 AM



#30
Chloroform
Concen: 46.168 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.8





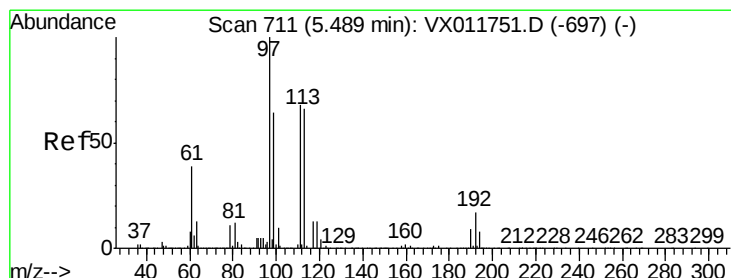
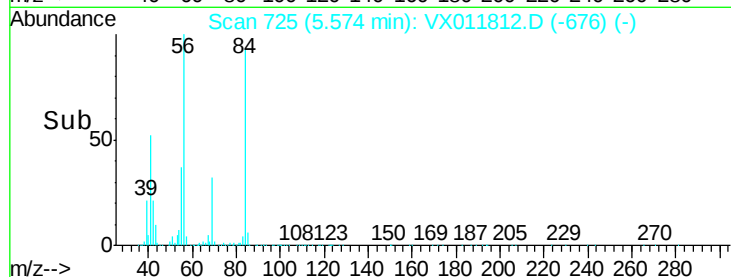
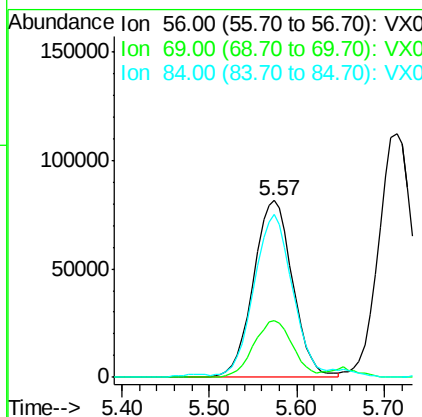
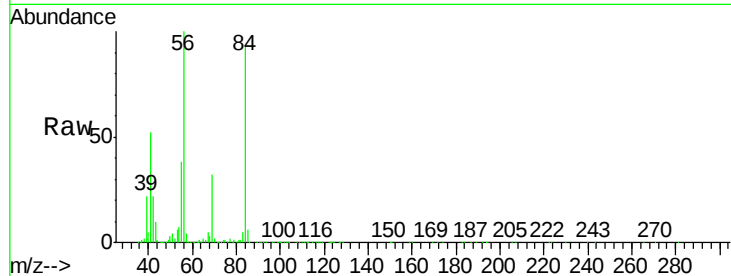
#31
Cyclohexane
Concen: 49.631 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.5	36.7
84	90.7	72.7	109.1

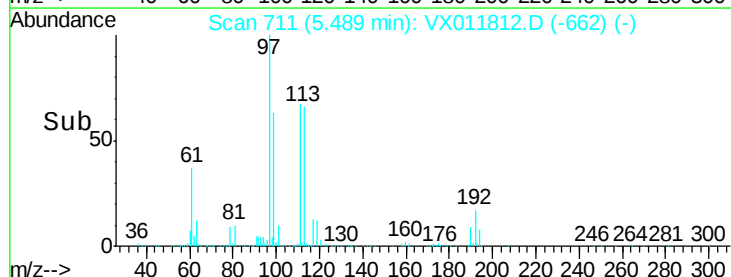
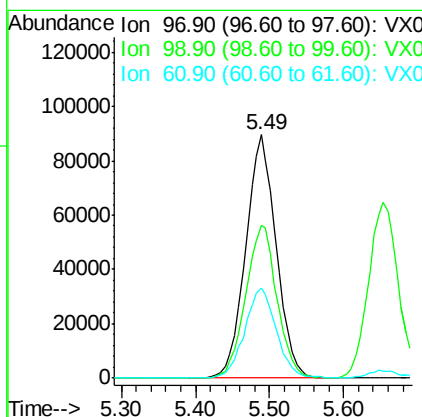
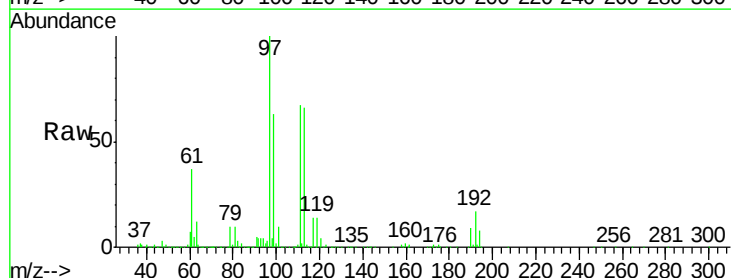
Manual Integrations
APPROVED

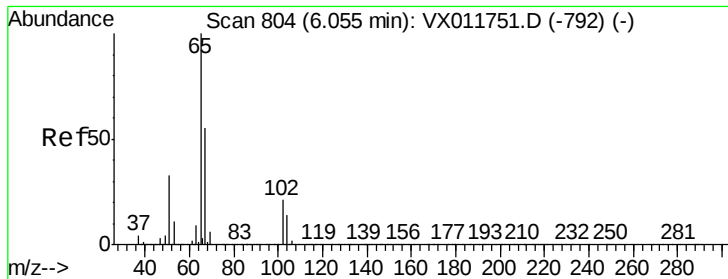
MMDadoda
8/26/2019 11:40:07 AM



#32
1,1,1-Trichloroethane
Concen: 46.874 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	38.6	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 47.055 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 194889

Ion Ratio Lower Upper

65 100

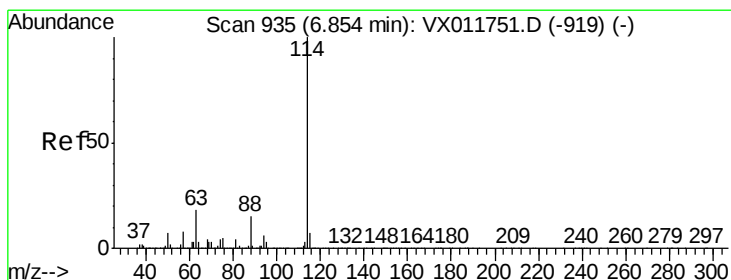
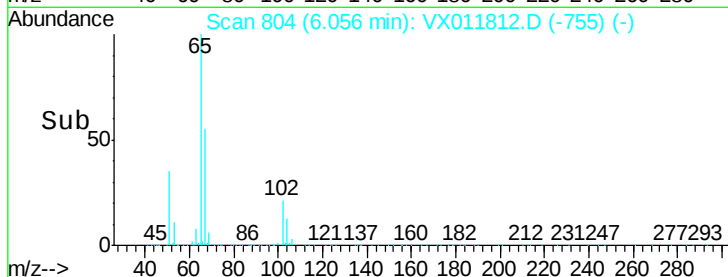
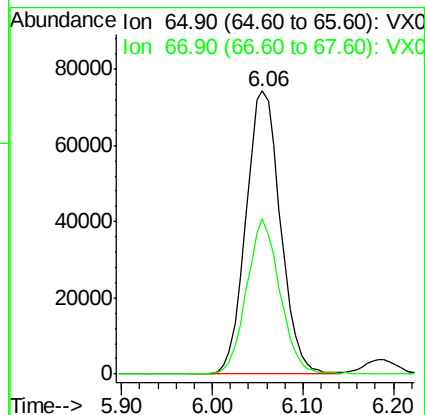
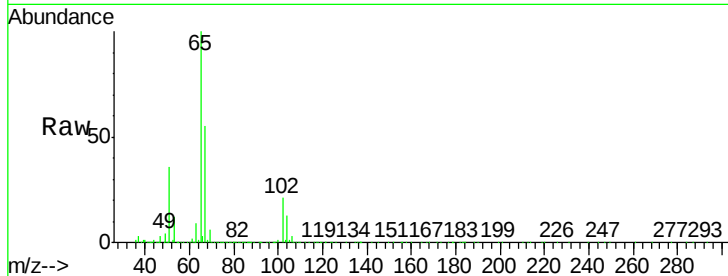
67 52.5 0.0 107.8

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

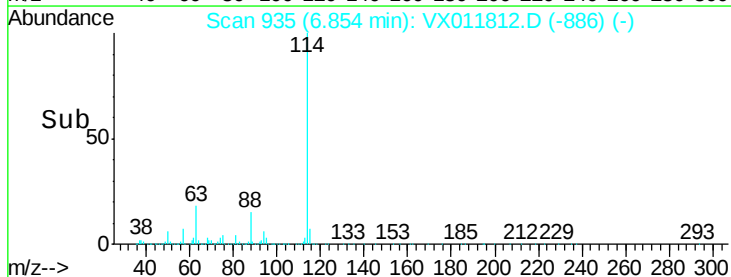
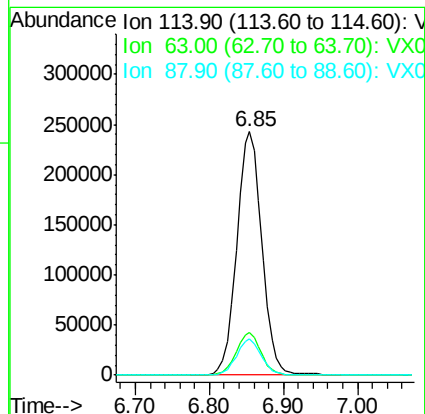
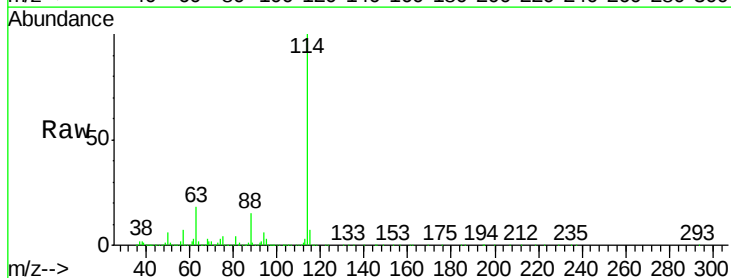
Tgt Ion: 114 Resp: 573471

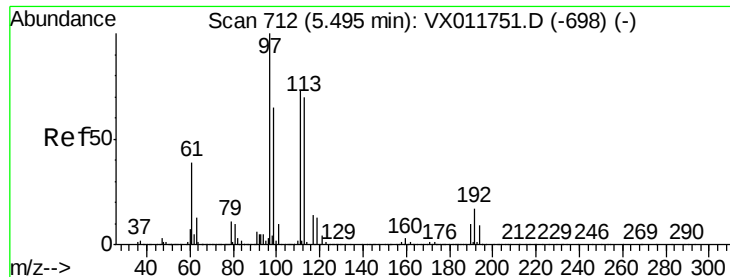
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 14.7 0.0 30.2





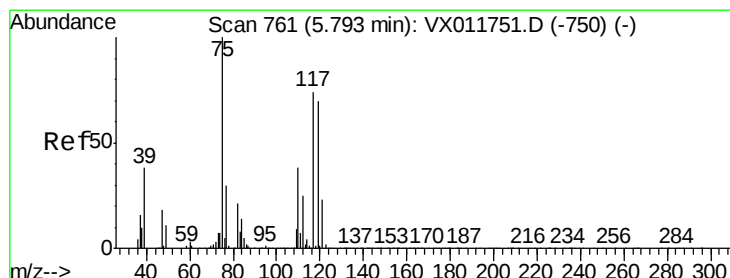
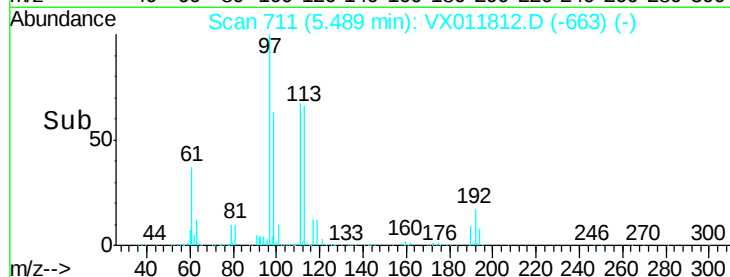
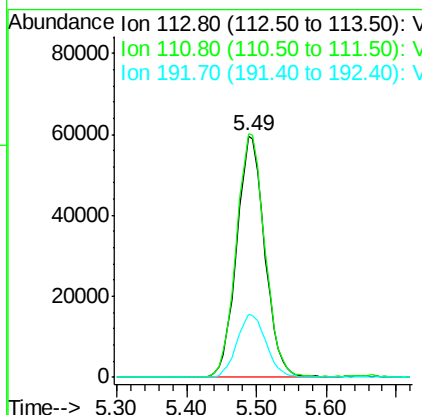
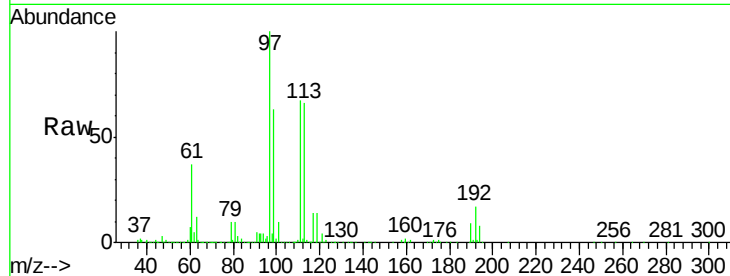
#35
 Dibromofluoromethane
 Concen: 44.846 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166302		
111	102.6	81.0	121.4	
192	27.2	19.9	29.9	

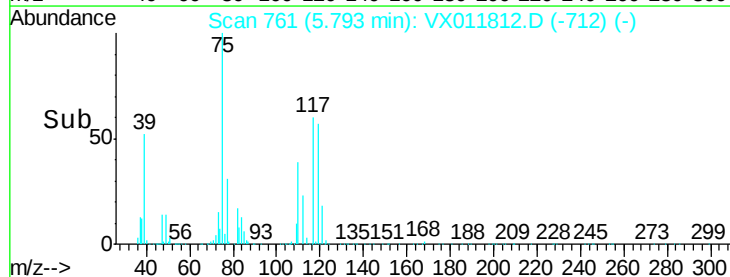
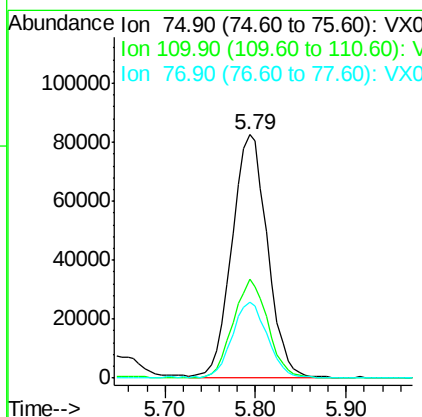
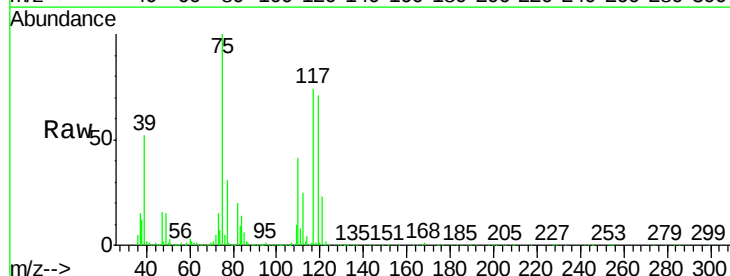
Manual Integrations
 APPROVED

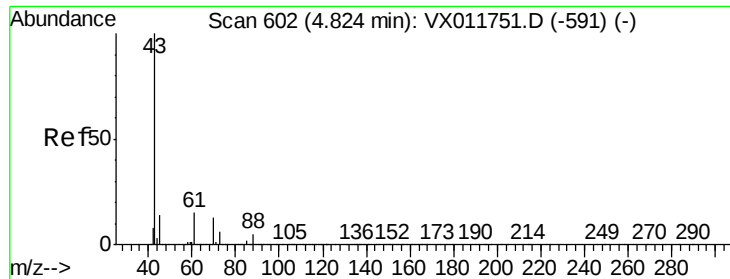
MMDadoda
 8/26/2019 11:40:07 AM



#36
 1,1-Dichloropropene
 Concen: 49.460 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222422		
110	40.5	19.0	57.0	
77	31.1	24.6	36.8	





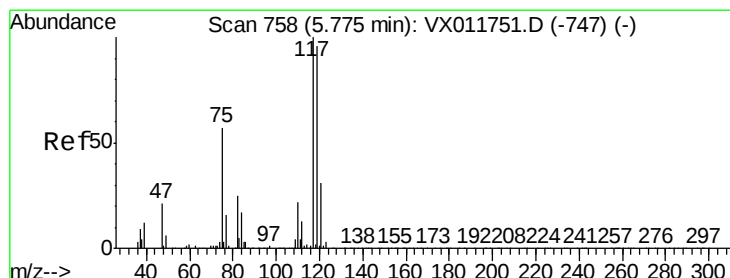
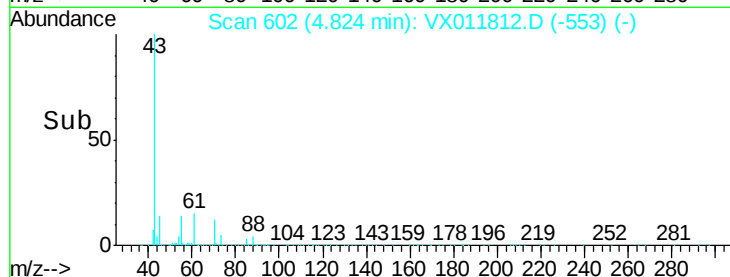
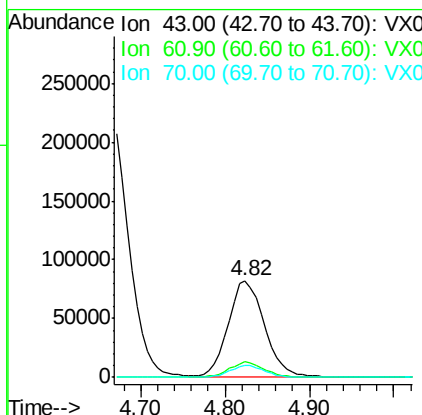
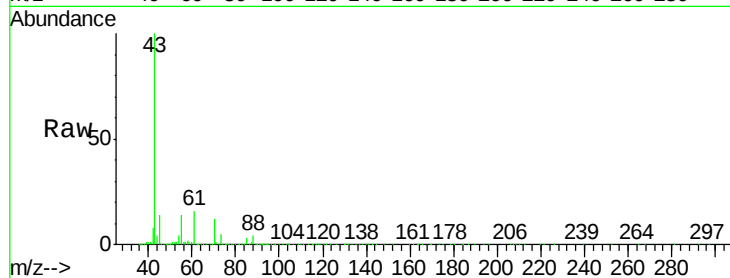
#37
Ethyl Acetate
Concen: 49.500 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.1	9.5	14.3

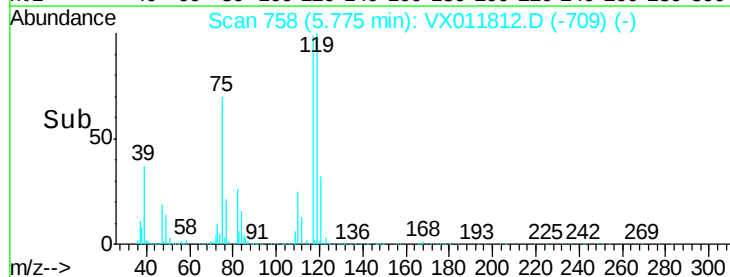
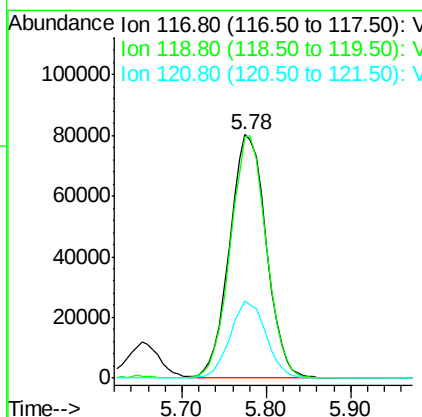
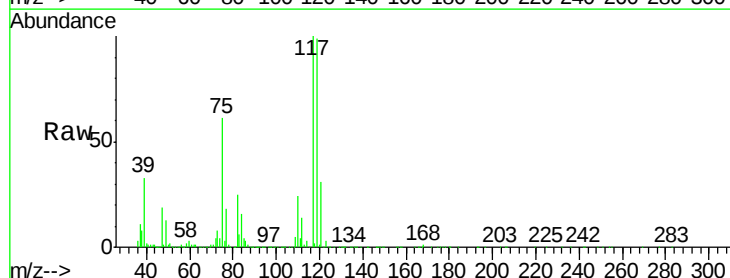
Manual Integrations
APPROVED

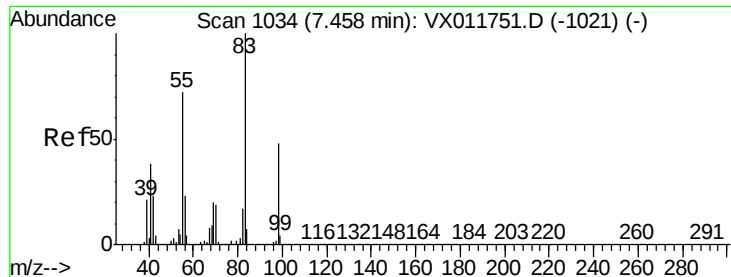
MMDadoda
8/26/2019 11:40:07 AM



#38
Carbon Tetrachloride
Concen: 46.272 ug/l
RT: 5.78 min Scan# 758
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.6	114.8
121	31.4	25.2	37.8





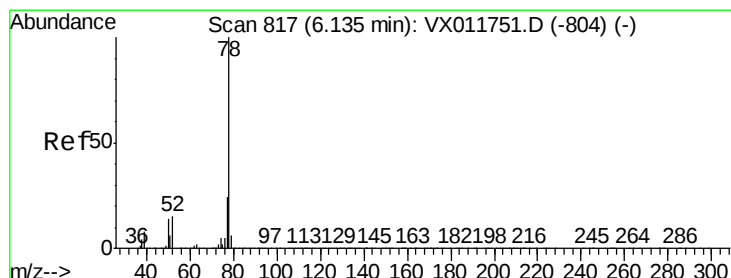
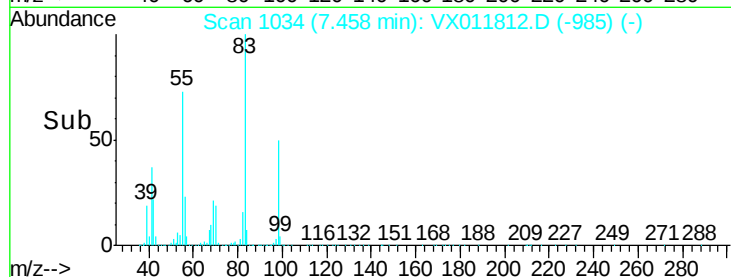
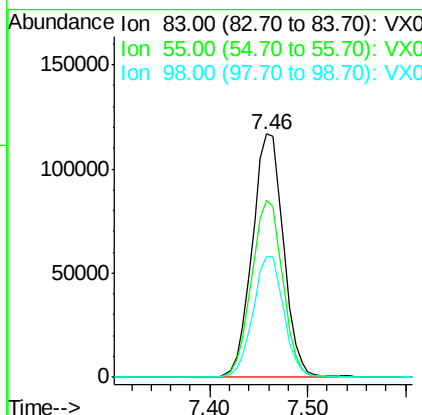
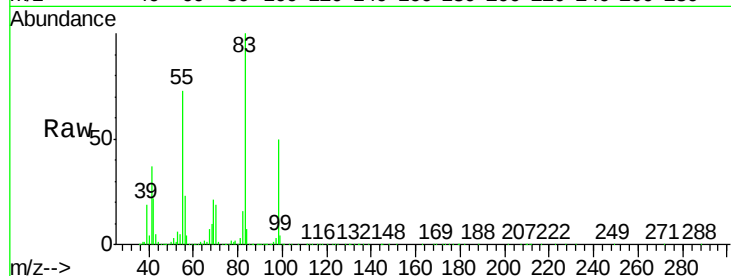
#39
Methvlcvclohexane
Concen: 46.906 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	261395		
55	72.8		57.8	86.6
98	49.5		38.6	58.0

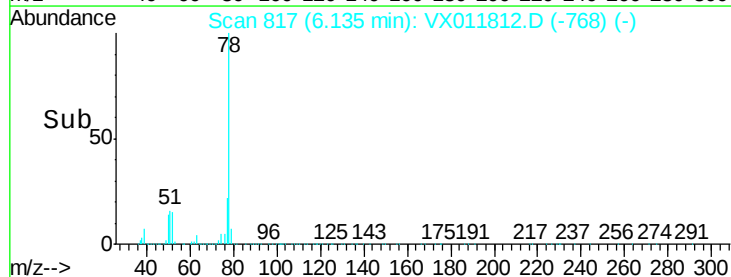
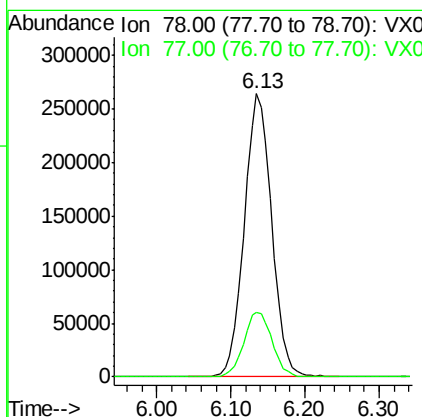
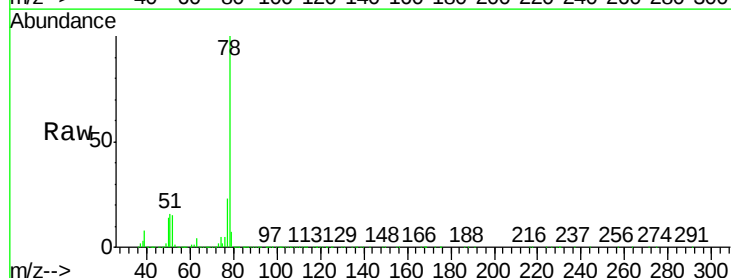
Manual Integrations
APPROVED

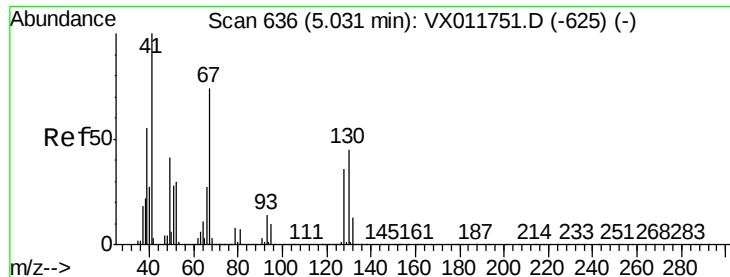
MMDadoda
8/26/2019 11:40:07 AM



#40
Benzene
Concen: 48.897 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	680225		
77	22.6		19.1	28.7





#41

Methacrylonitrile

Concen: 47.554 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

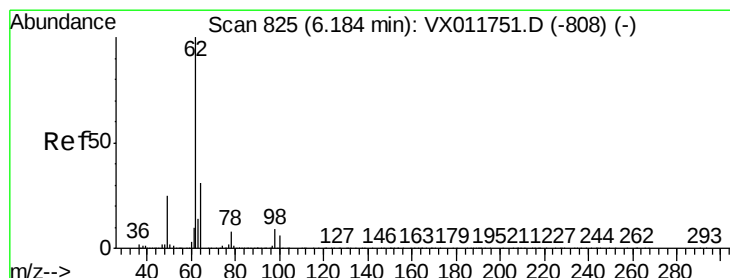
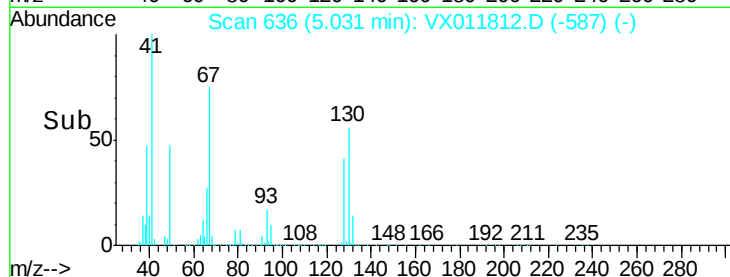
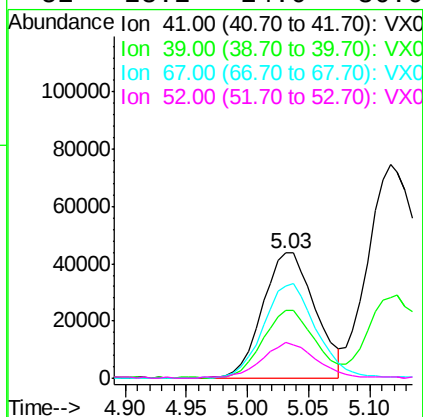
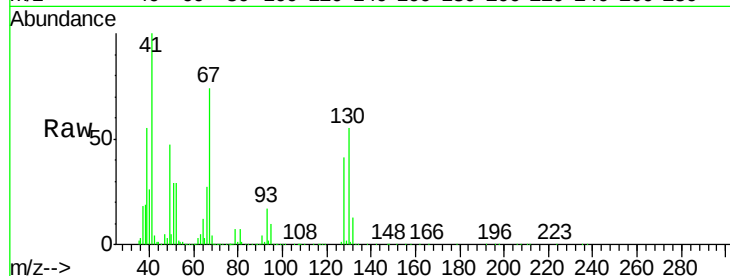
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	44.3	66.5	
67	75.3	60.3	90.5	
52	28.2	24.0	36.0	

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#42

1,2-Dichloroethane

Concen: 46.546 ug/l

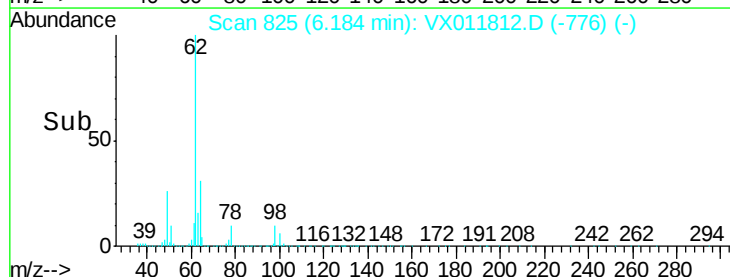
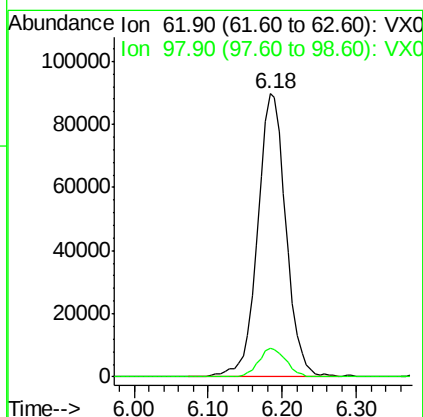
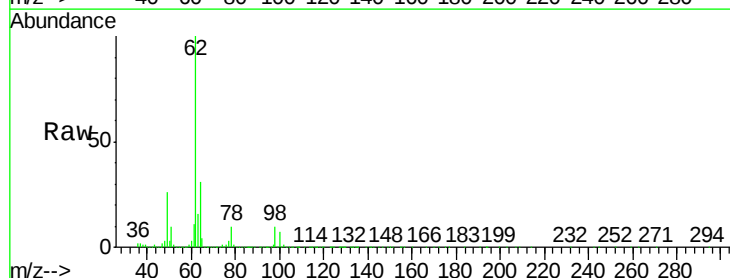
RT: 6.18 min Scan# 825

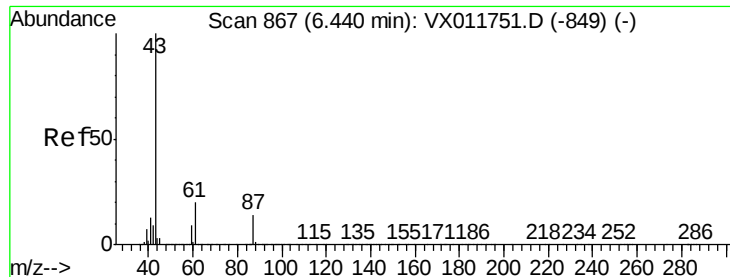
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	18.8	





#43

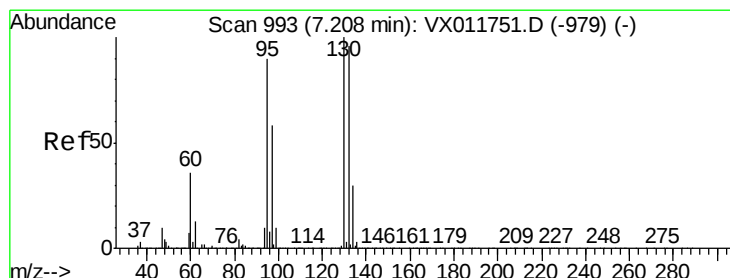
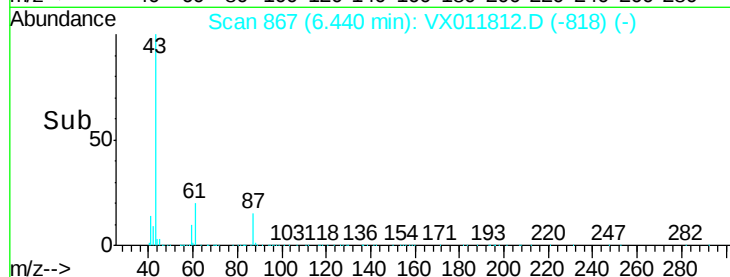
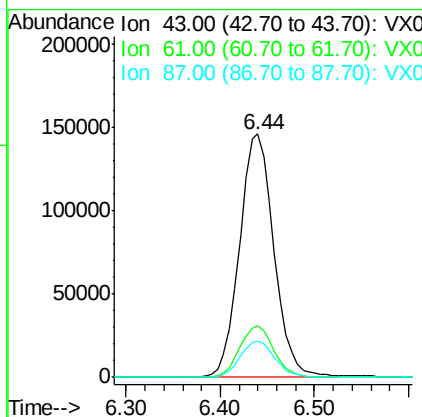
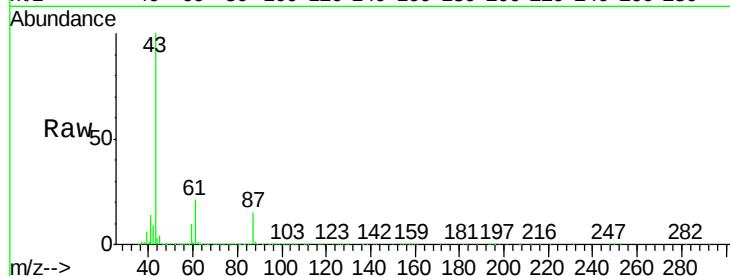
Isopropyl Acetate
 Concen: 48.323 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	372212
Ion Ratio		Lower	Upper
43	100		
61	21.1	16.2	24.2
87	15.1	11.6	17.4

Manual Integrations
 APPROVED

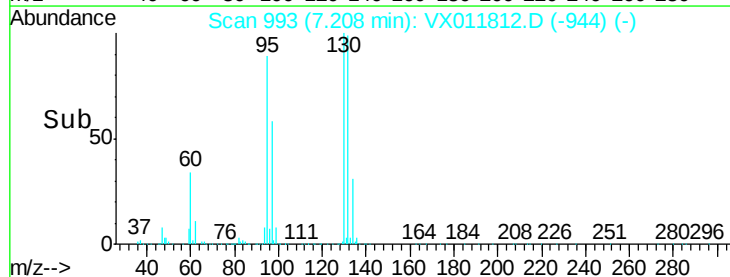
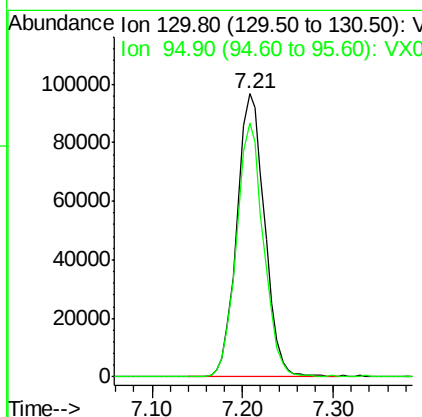
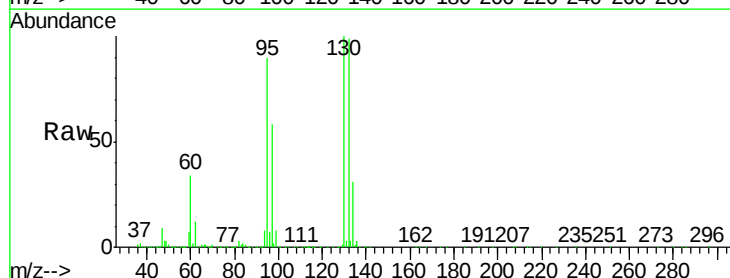
MMDadoda
 8/26/2019 11:40:07 AM

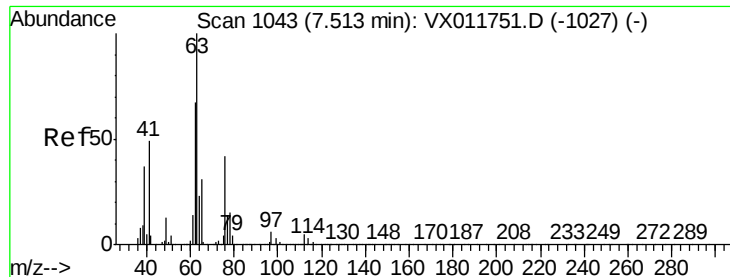


#44

Trichloroethene
 Concen: 47.776 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion:	130	Resp:	204880
Ion Ratio		Lower	Upper
130	100		
95	89.6	0.0	179.0





#45

1,2-Dichloropropane

Concen: 47.344 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 165546

Ion Ratio Lower Upper

63 100

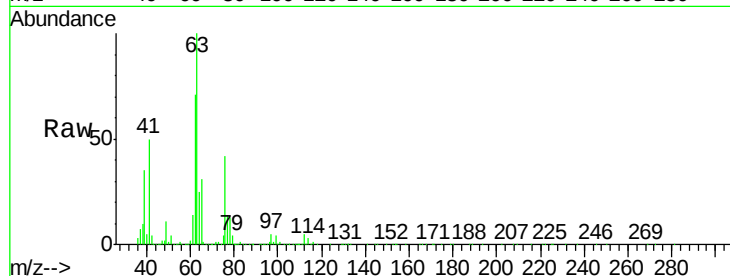
65 30.6 24.8 37.2

Manual Integrations

APPROVED

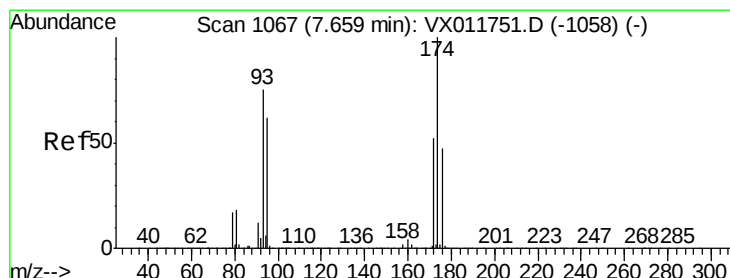
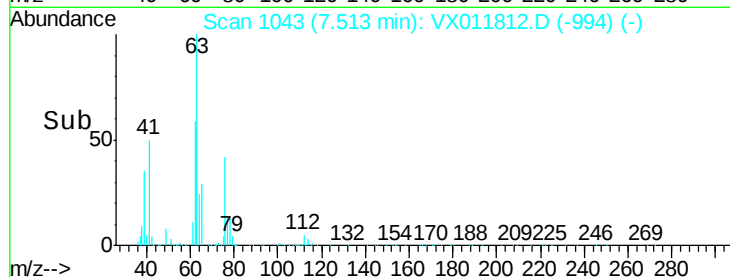
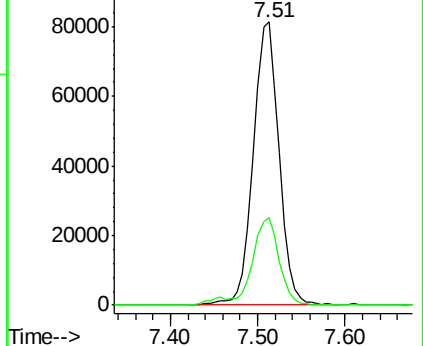
MMDadoda

8/26/2019 11:40:07 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.135 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

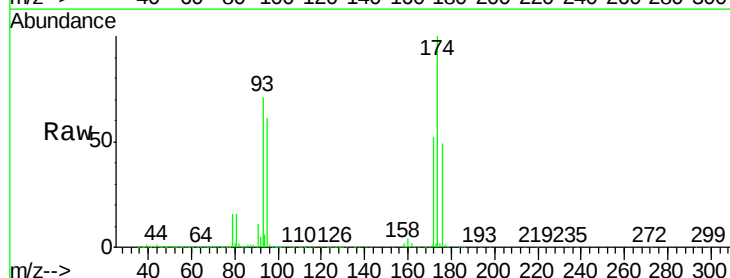
Tgt Ion: 93 Resp: 116357

Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.2

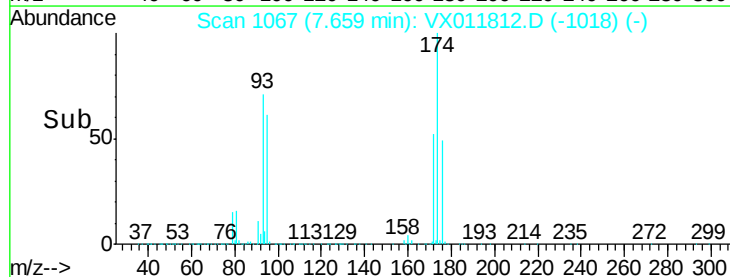
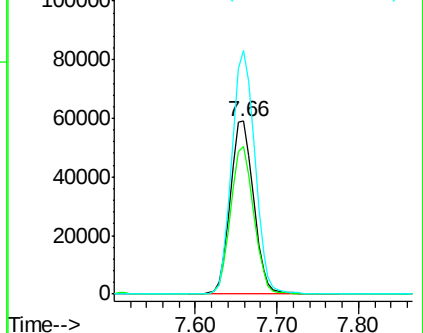
174 139.2 104.2 156.4

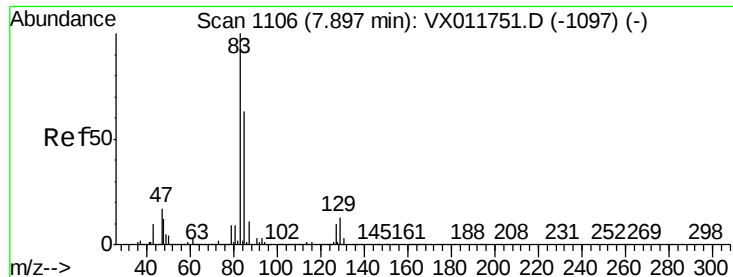


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 44.188 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

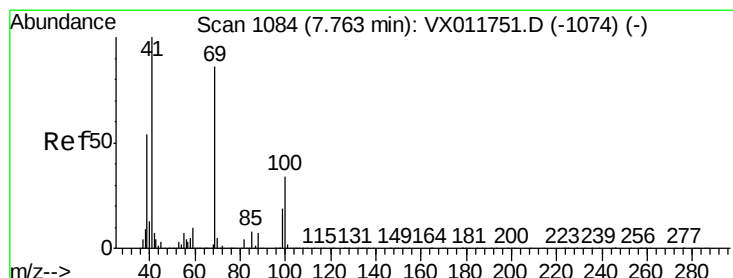
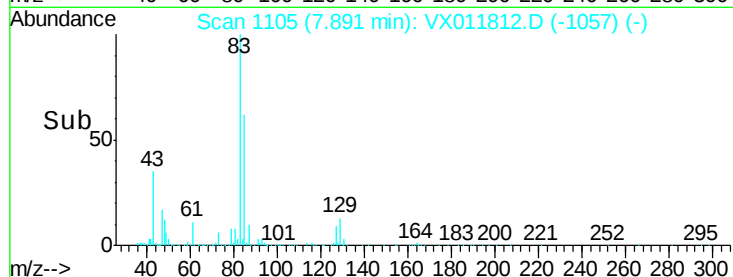
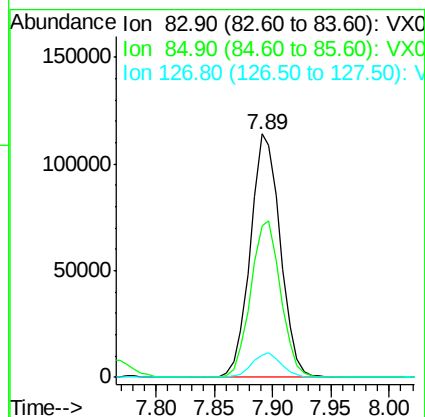
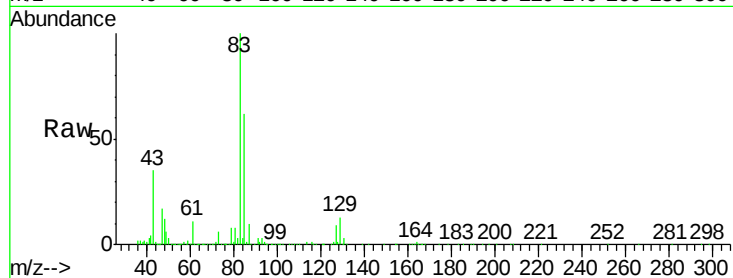
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	205063
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.6	76.0
127	9.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#48

Methyl methacrylate

Concen: 48.014 ug/l

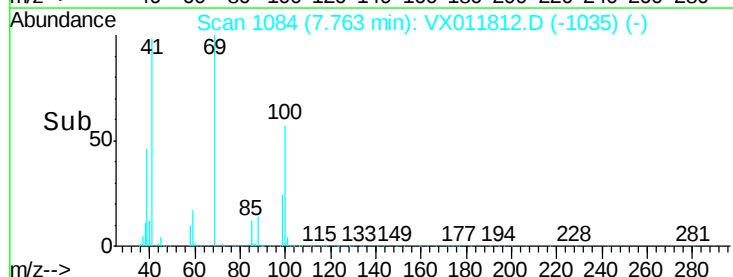
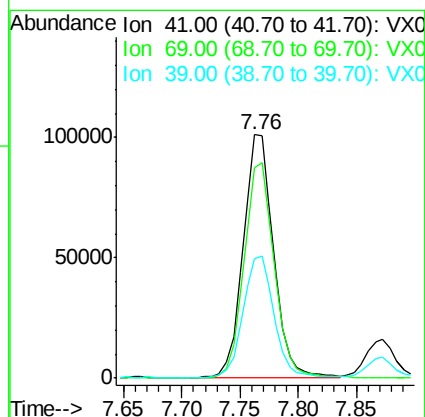
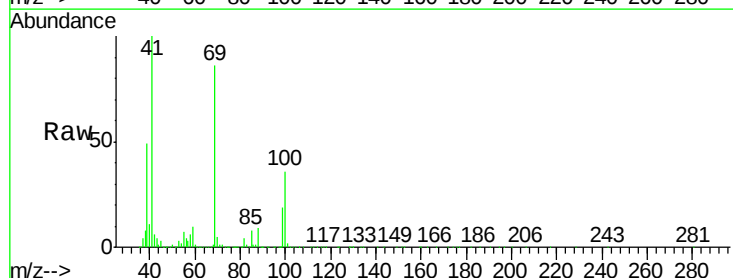
RT: 7.76 min Scan# 1084

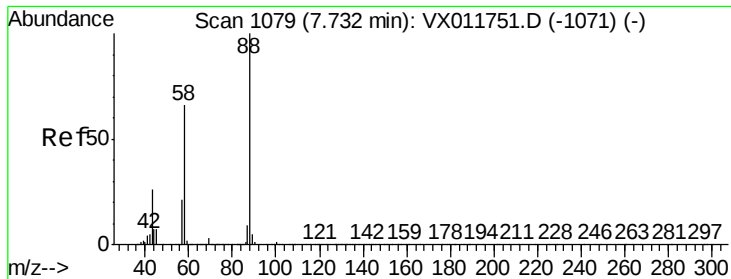
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	41	Resp:	184050
Ion Ratio	Lower	Upper	
41	100		
69	87.8	69.4	104.2
39	50.7	43.6	65.4





#49

1,4-Dioxane

Concen: 936.109 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

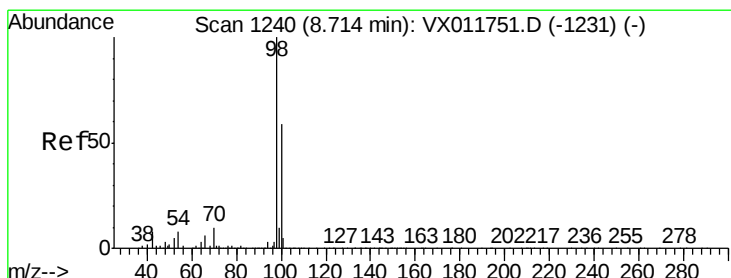
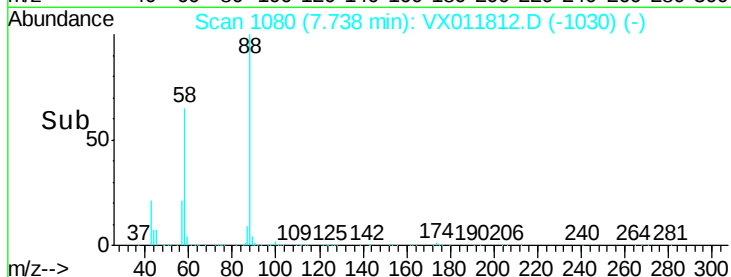
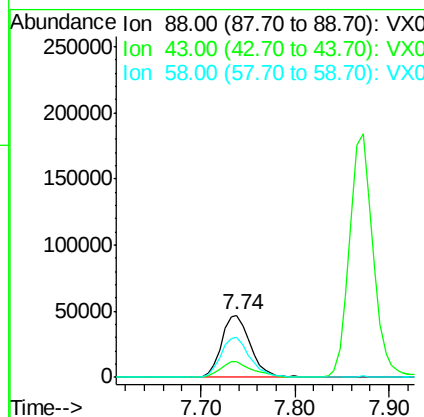
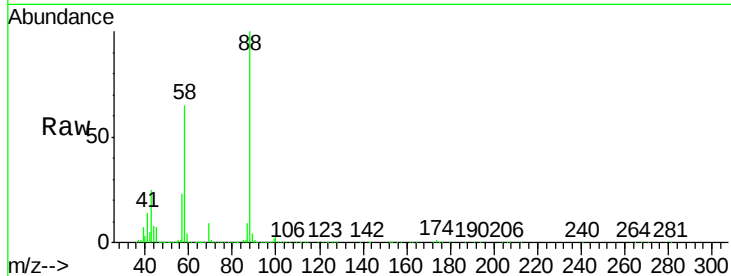
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	99423
Ion Ratio	Lower	Upper	
88	100		
43	28.9	24.6	37.0
58	64.9	51.4	77.2

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#50

Toluene-d8

Concen: 48.570 ug/l

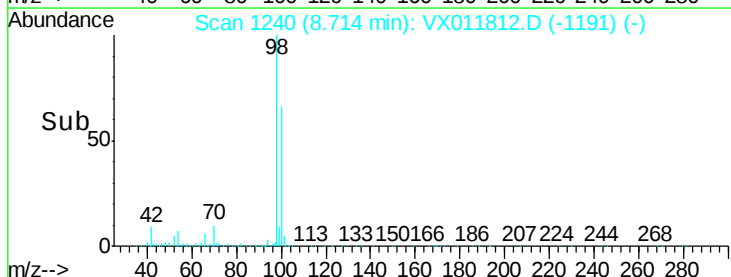
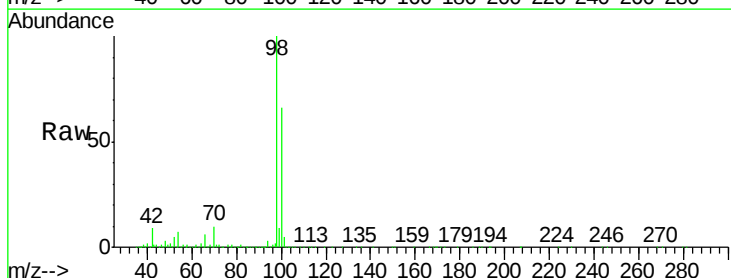
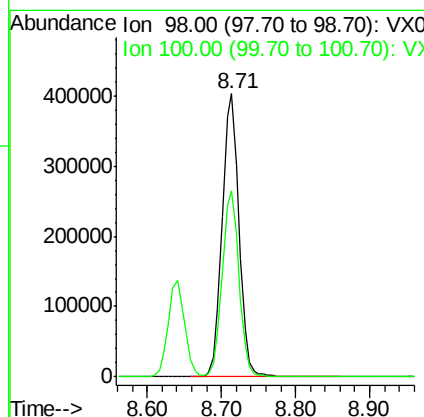
RT: 8.71 min Scan# 1240

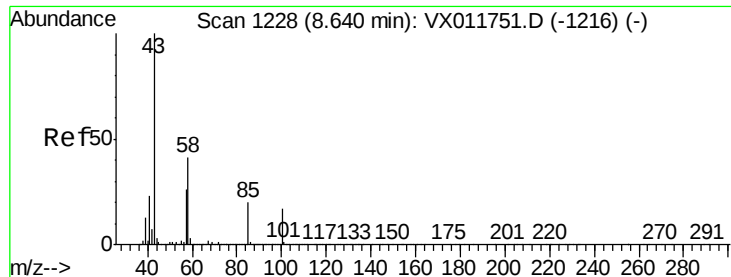
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	98	Resp:	628226
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.1	78.1





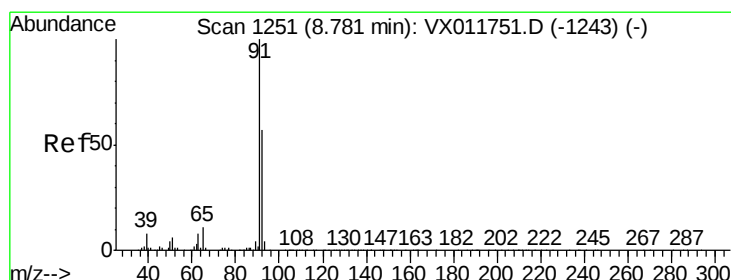
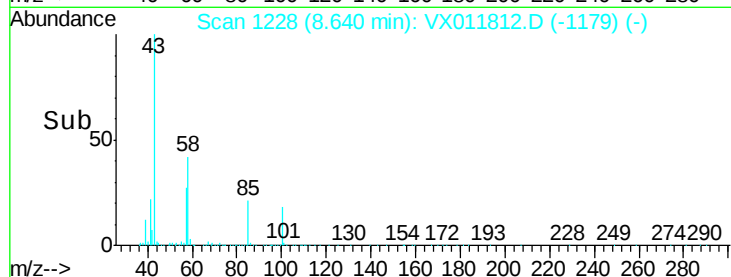
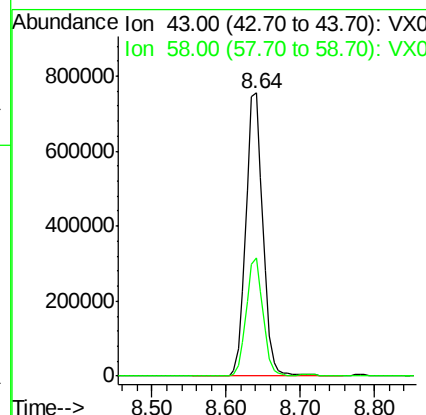
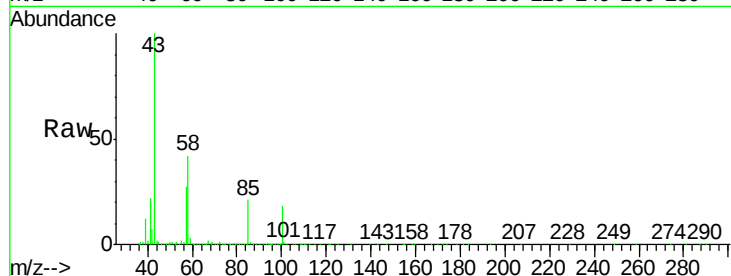
#51
4-Methyl-2-Pentanone
Concen: 240.128 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1218740
Ion Ratio Lower Upper
43 100
58 40.7 31.8 47.6

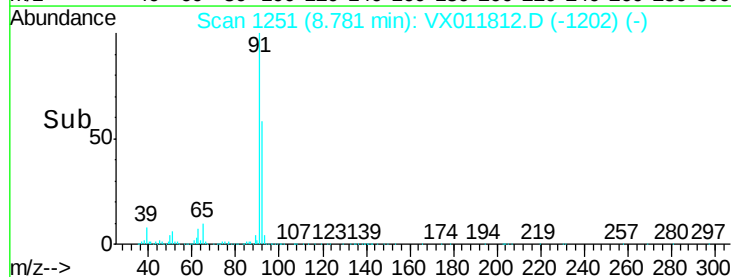
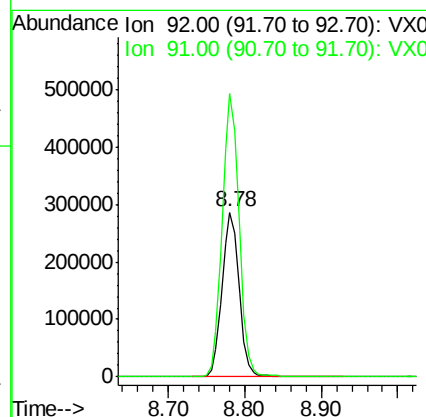
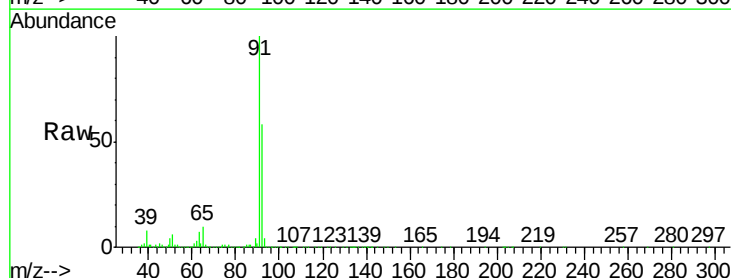
Manual Integrations
APPROVED

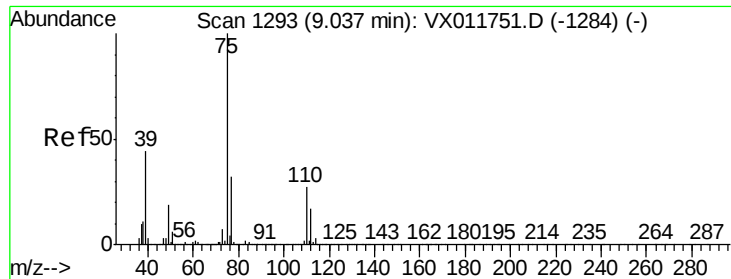
MMDadoda
8/26/2019 11:40:07 AM



#52
Toluene
Concen: 49.035 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 92 Resp: 441434
Ion Ratio Lower Upper
92 100
91 171.5 138.6 207.8





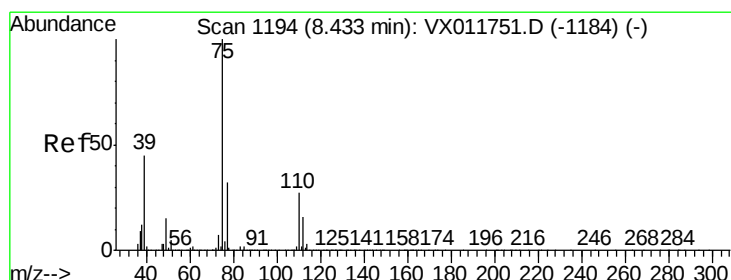
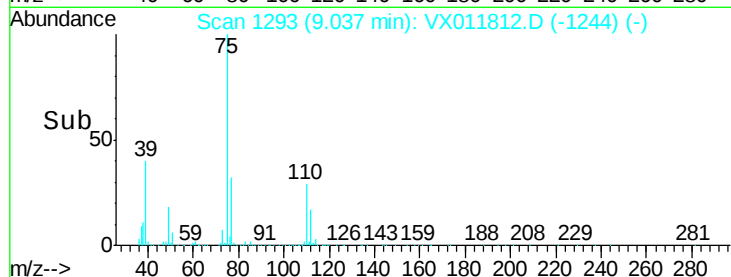
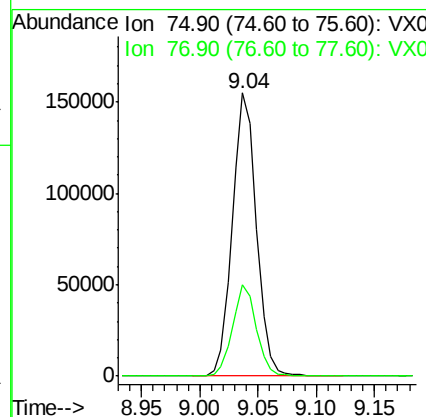
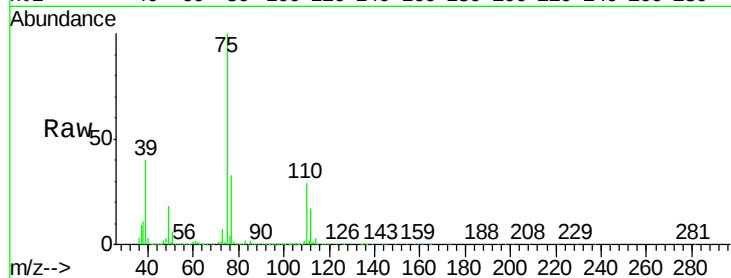
#53
t-1,3-Dichloropropene
Concen: 45.709 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0

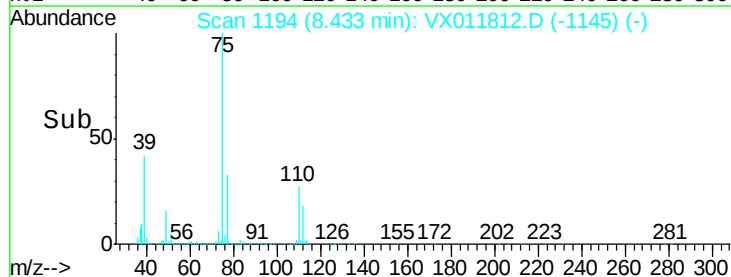
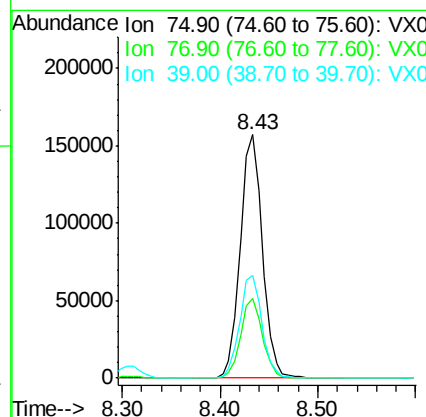
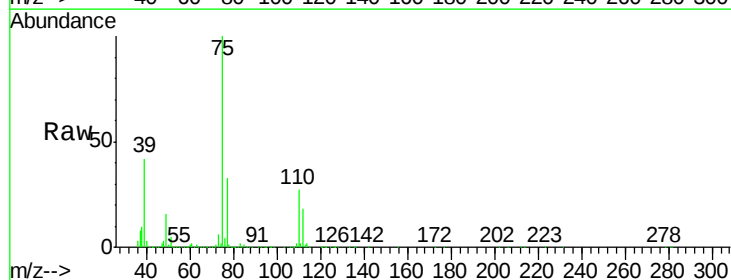
Manual Integrations
APPROVED

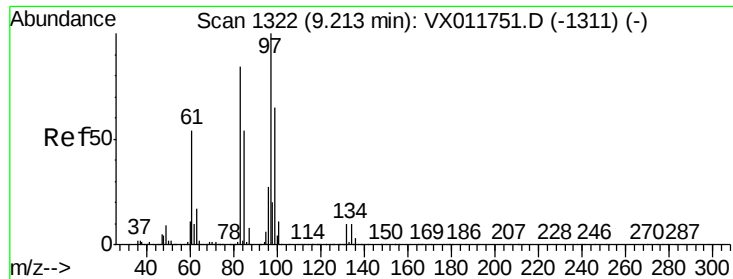
MMDadoda
8/26/2019 11:40:07 AM



#54
cis-1,3-Dichloropropene
Concen: 46.526 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2
39	42.1	36.2	54.4





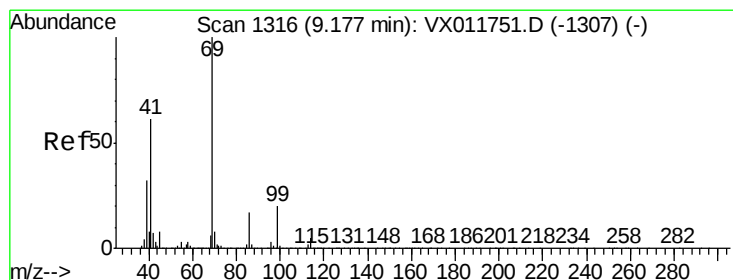
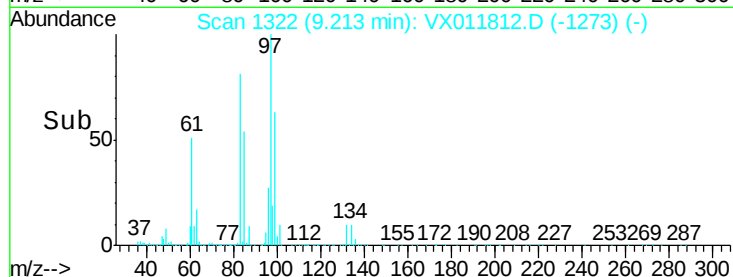
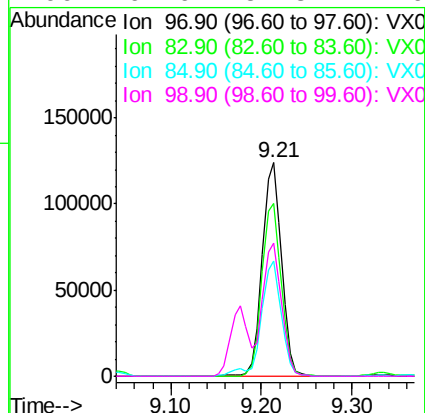
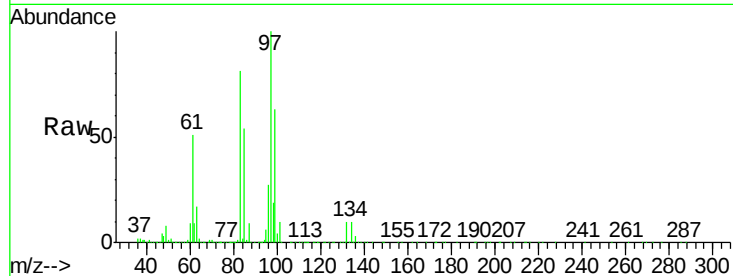
#55
 1,1,2-Trichloroethane
 Concen: 48.743 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		182816		
83	80.8	67.3	100.9		
85	54.1	43.4	65.2		
99	62.6	51.8	77.6		

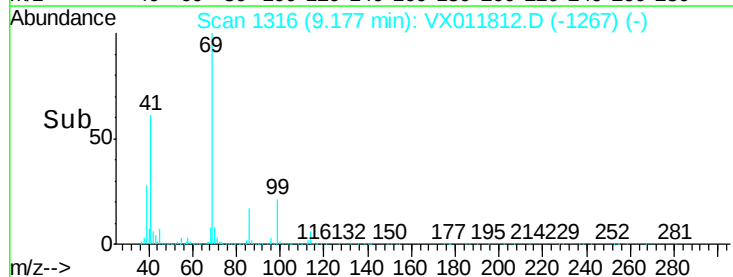
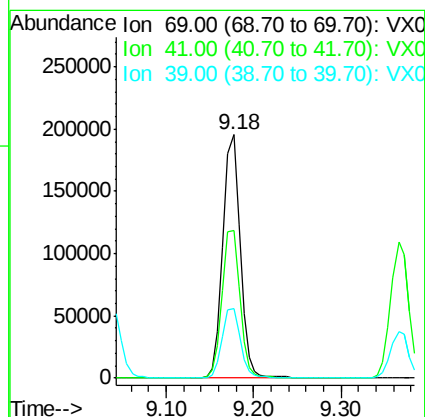
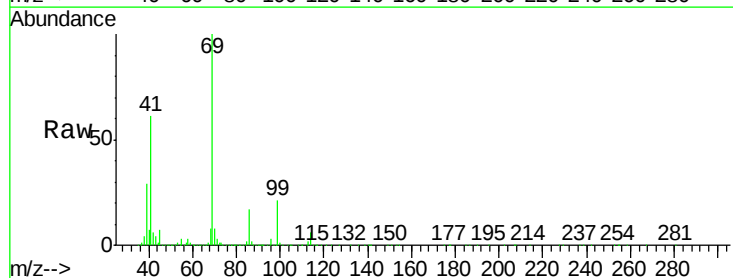
Manual Integrations
 APPROVED

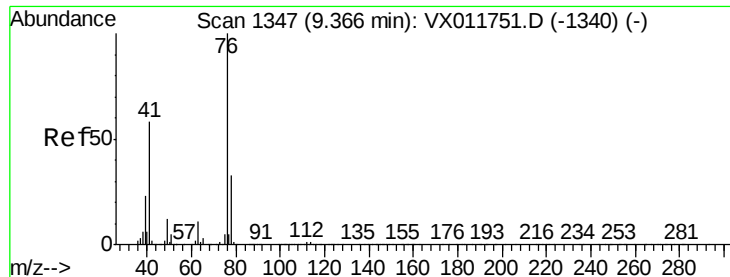
MMDadoda
 8/26/2019 11:40:07 AM



#56
 Ethyl methacrylate
 Concen: 50.645 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		270141		
41	62.4	50.7	76.1		
39	29.6	26.4	39.6		





#57

1,3-Dichloropropane

Concen: 46.876 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 283886

Ion Ratio Lower Upper

76 100

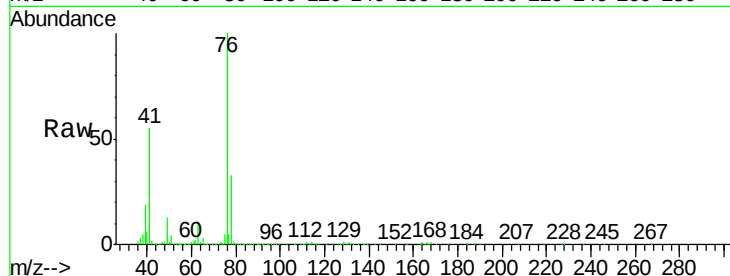
78 32.9 26.6 39.8

Manual Integrations

APPROVED

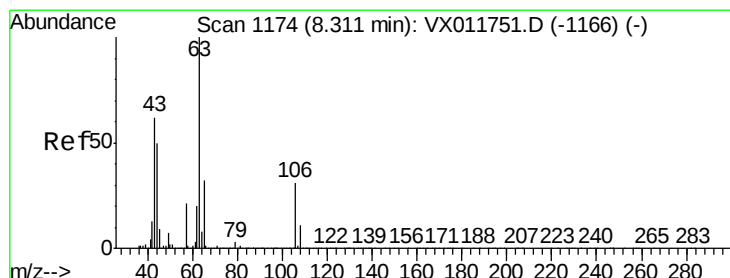
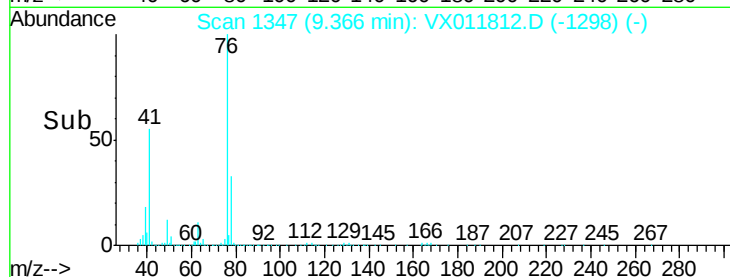
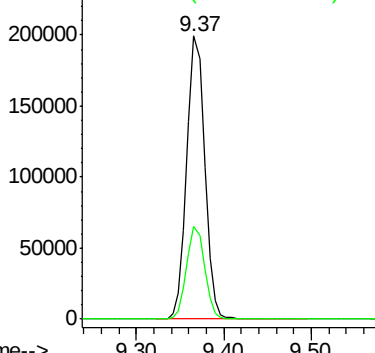
MMDadoda

8/26/2019 11:40:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 256.501 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011812.D

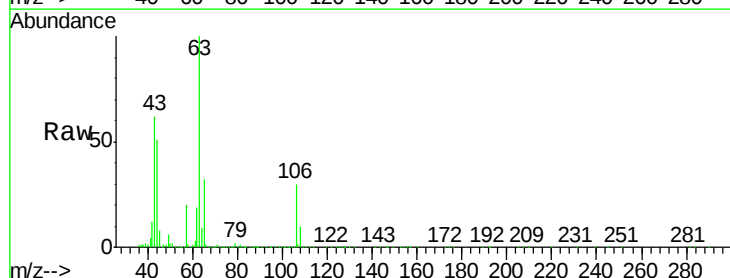
Acq: 23 Aug 2019 20:45

Tgt Ion: 63 Resp: 719710

Ion Ratio Lower Upper

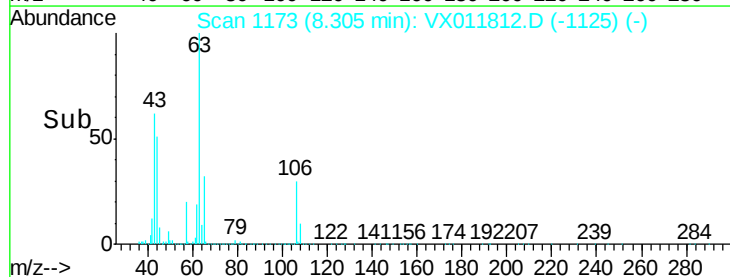
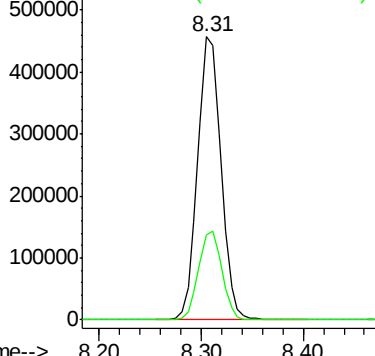
63 100

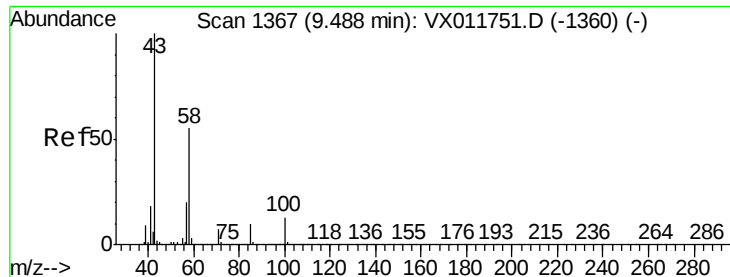
106 31.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





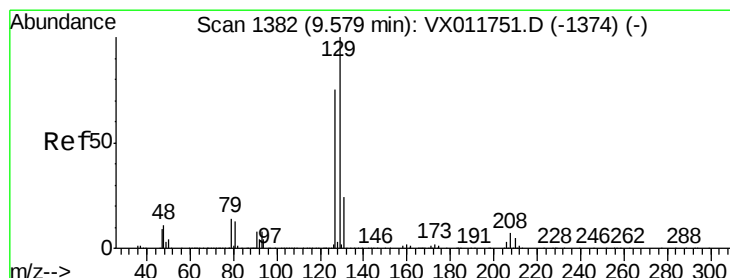
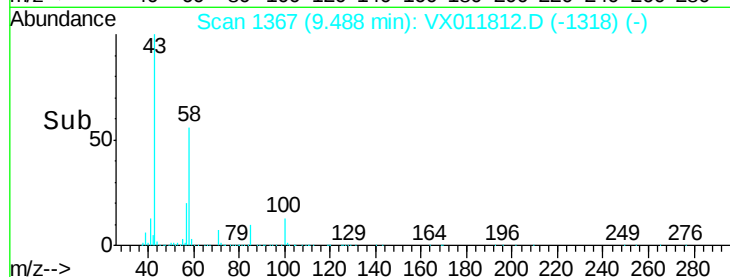
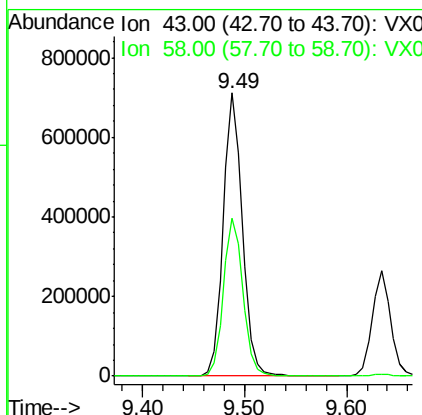
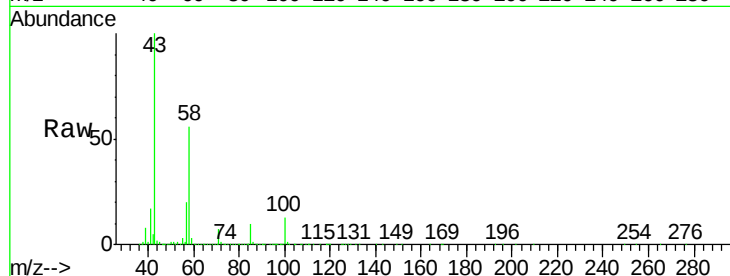
#59
2-Hexanone
Concen: 238.661 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.7	83.1

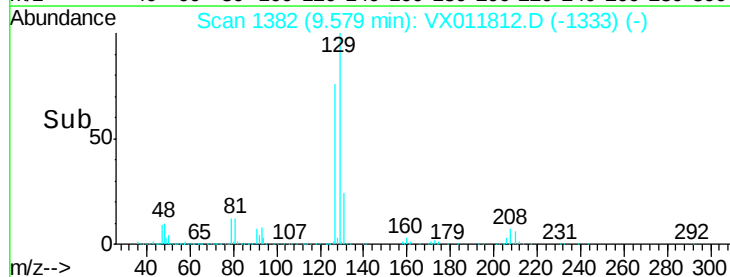
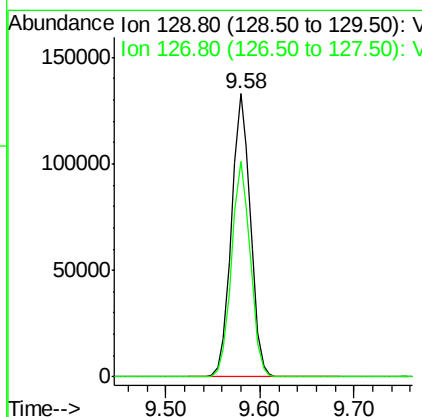
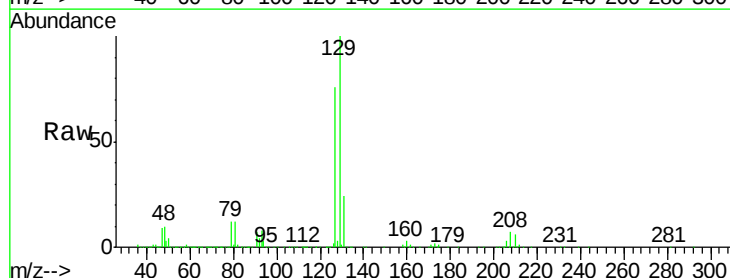
Manual Integrations
APPROVED

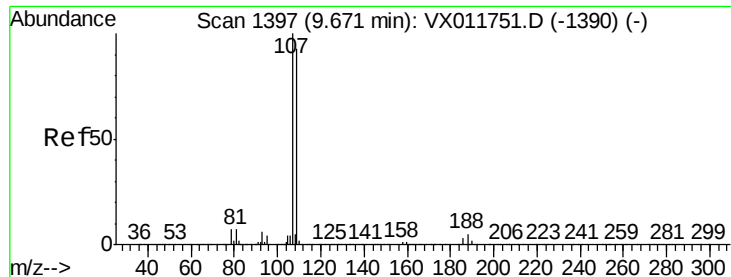
MMDadoda
8/26/2019 11:40:07 AM



#60
Dibromochloromethane
Concen: 45.629 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.3	114.8





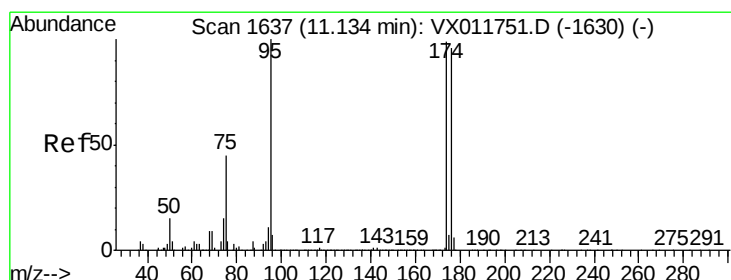
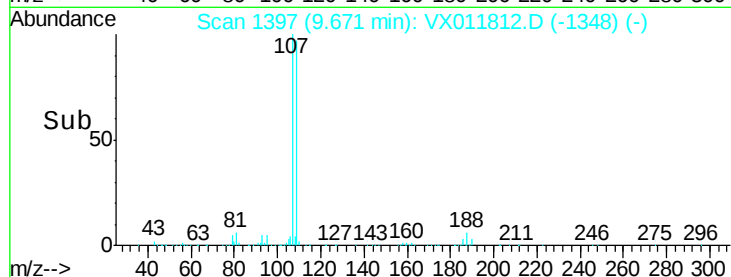
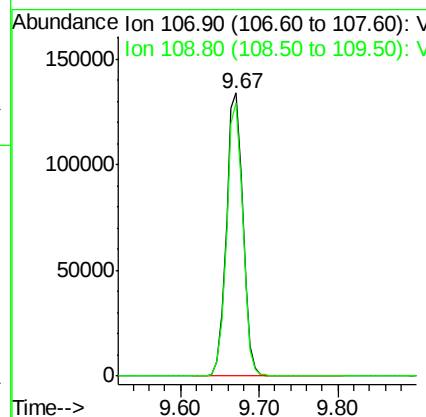
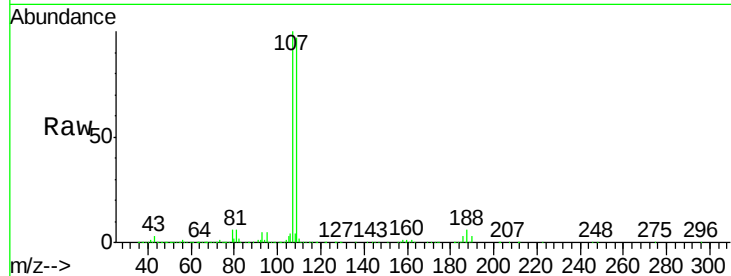
#61
 1,2-Dibromoethane
 Concen: 48.336 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

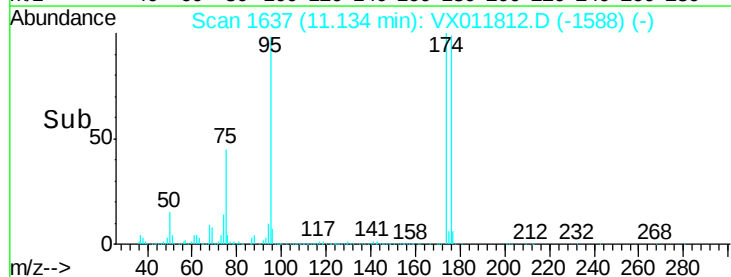
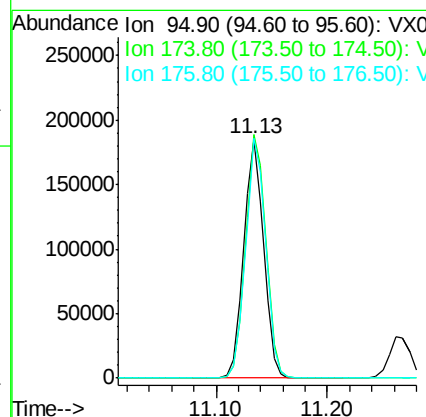
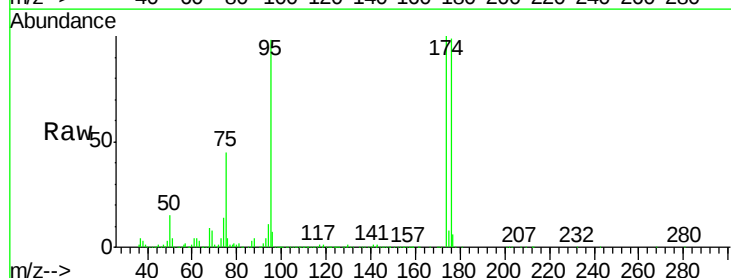
Manual Integrations
 APPROVED

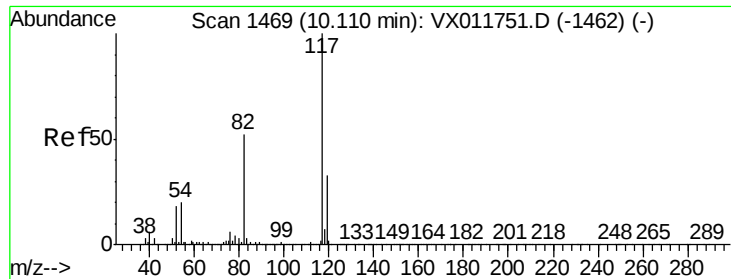
MMDadoda
 8/26/2019 11:40:07 AM



#62
 4-Bromofluorobenzene
 Concen: 44.674 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	105.0	0.0	197.4
176	101.7	0.0	194.4





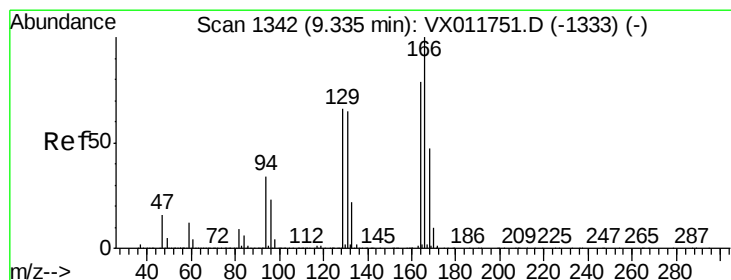
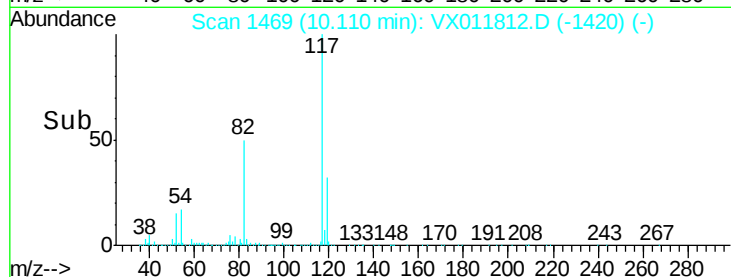
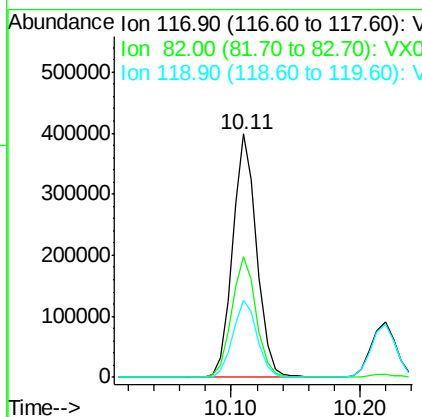
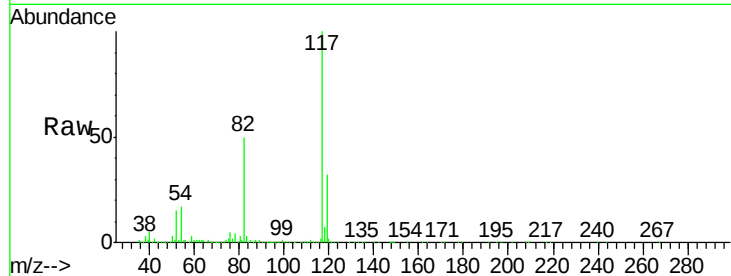
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	518823		
82	49.5		41.7	62.5
119	31.8		26.2	39.2

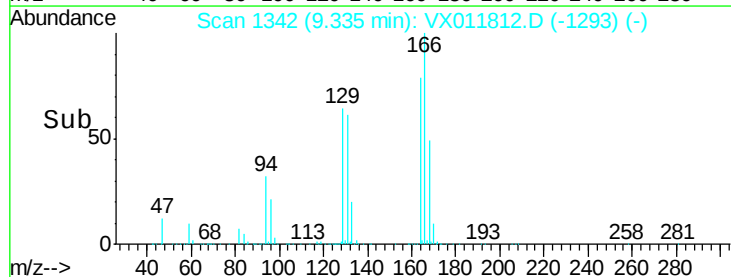
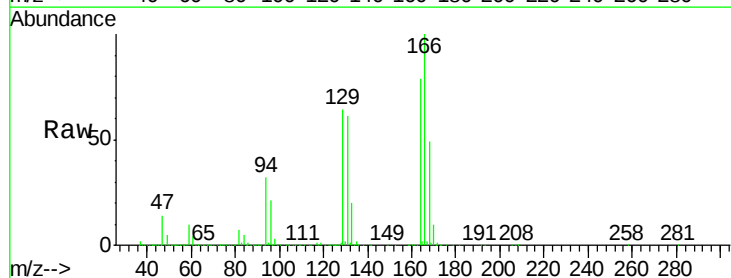
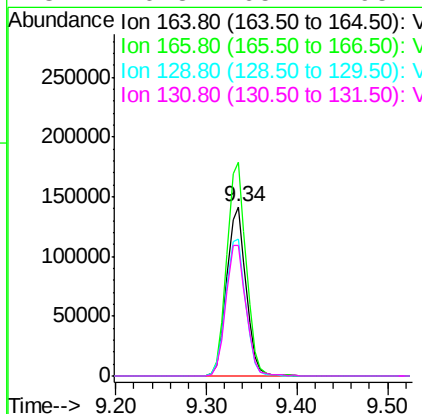
Manual Integrations
APPROVED

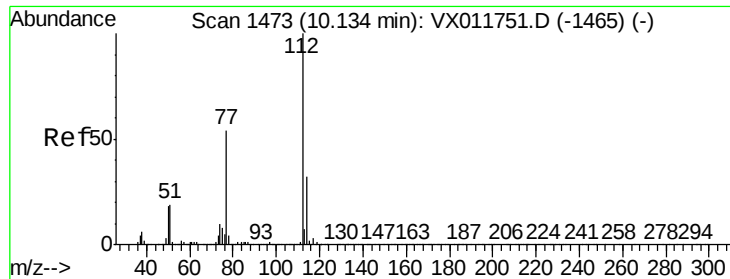
MMDadoda
8/26/2019 11:40:07 AM



#64
Tetrachloroethene
Concen: 50.559 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209267		
166	126.2		100.7	151.1
129	81.2		66.8	100.2
131	76.8		65.4	98.2





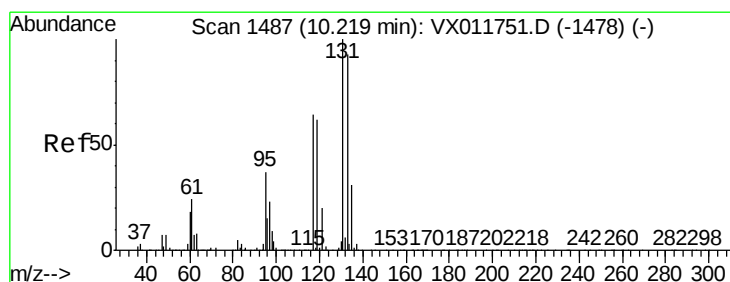
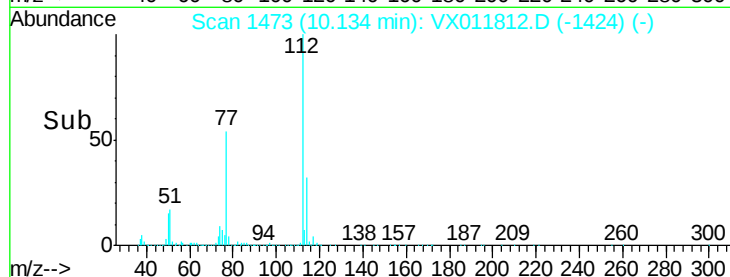
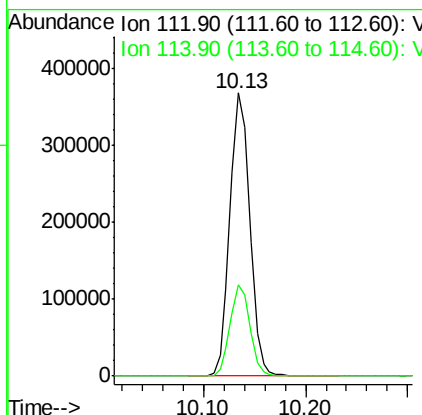
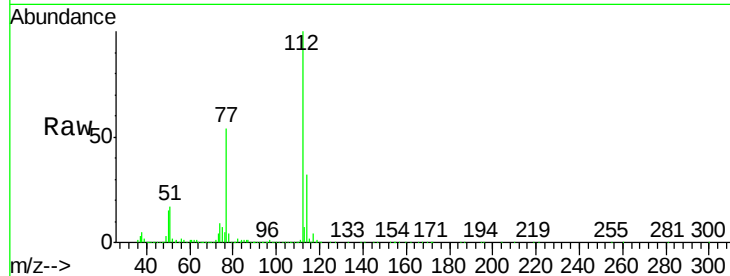
#65
Chlorobenzene
Concen: 49.251 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

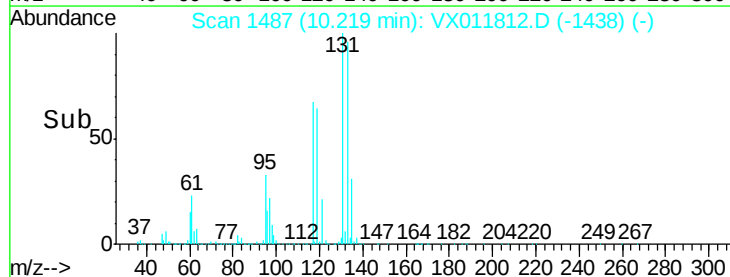
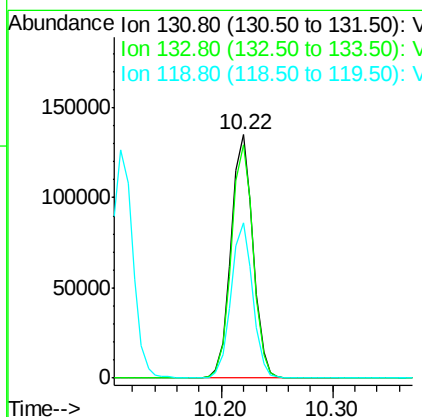
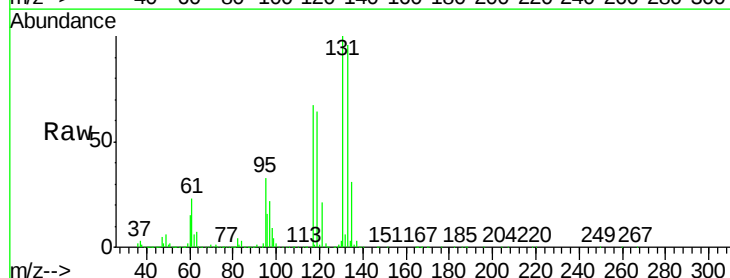
Manual Integrations
APPROVED

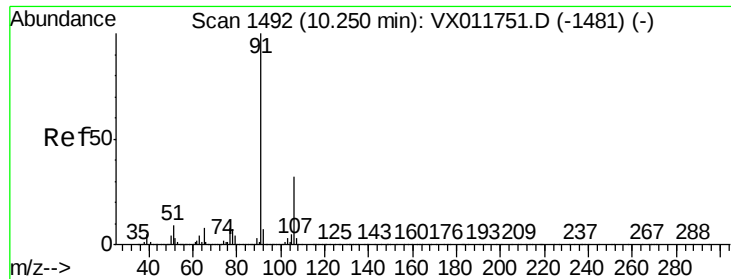
MMDadoda
8/26/2019 11:40:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.397 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.4
119	62.5	31.3	93.8





#67

Ethyl Benzene

Concen: 49.256 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 833764

Ion Ratio Lower Upper

91 100

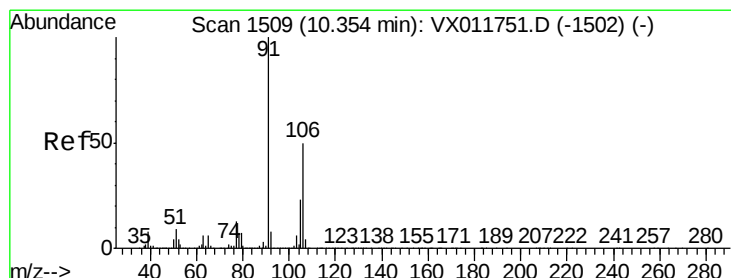
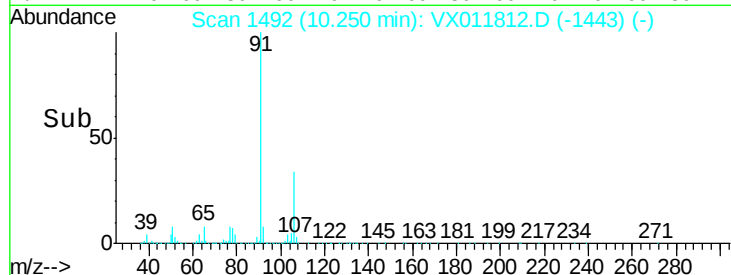
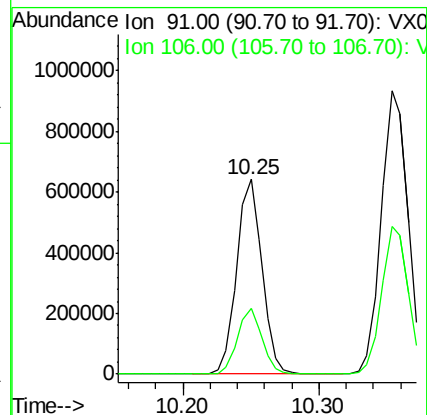
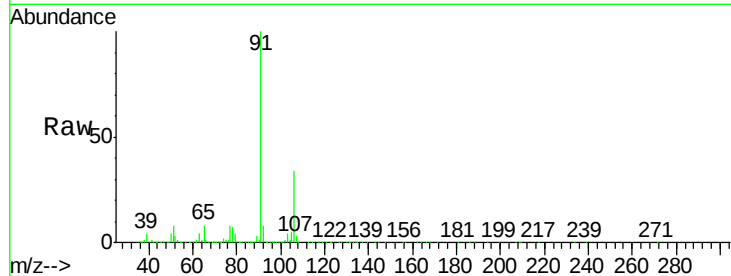
106 33.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/26/2019 11:40:07 AM



#68

m/p-Xylenes

Concen: 101.167 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011812.D

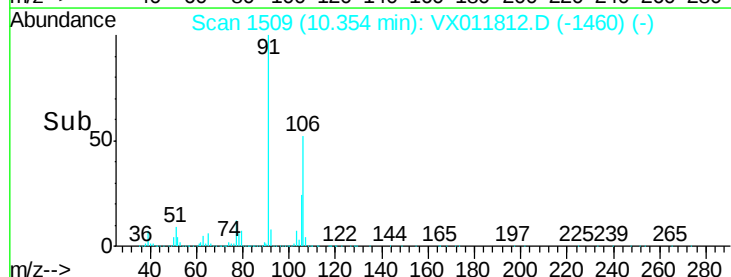
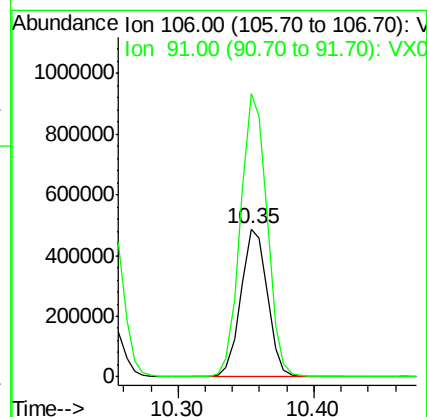
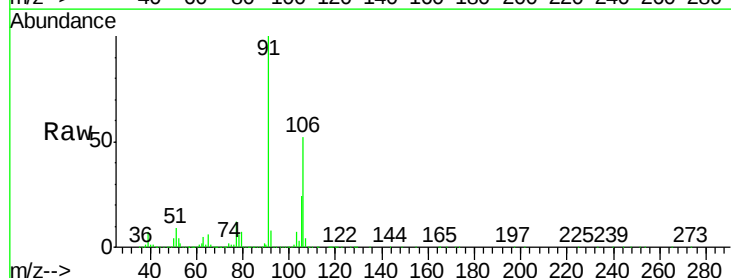
Acq: 23 Aug 2019 20:45

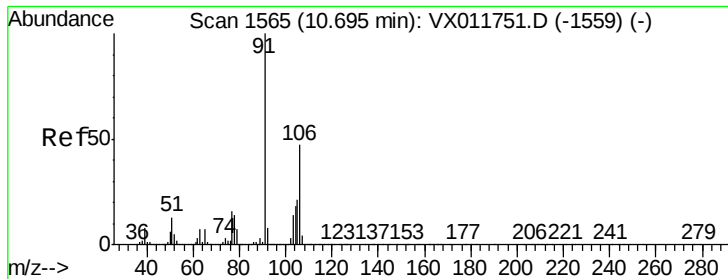
Tgt Ion: 106 Resp: 660297

Ion Ratio Lower Upper

106 100

91 192.4 158.3 237.5





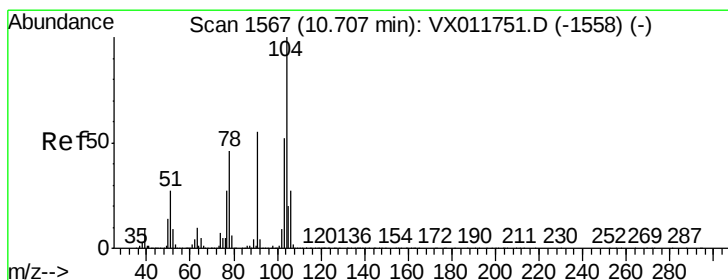
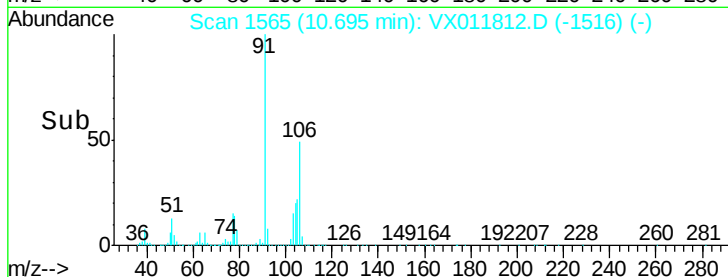
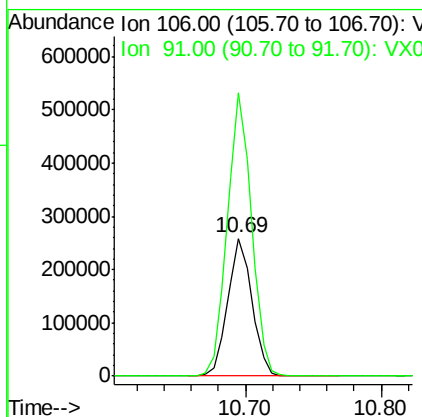
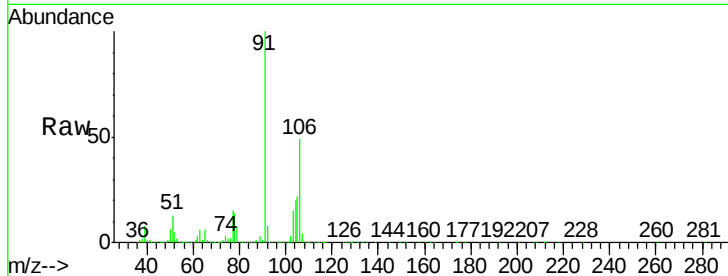
#69
o-Xylene
Concen: 49.905 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.0	105.0	314.9

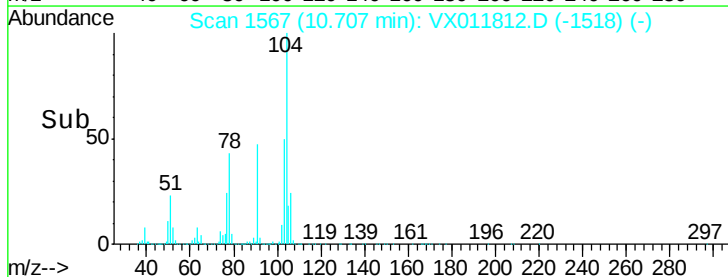
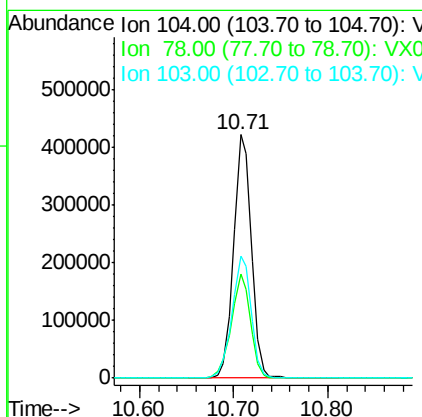
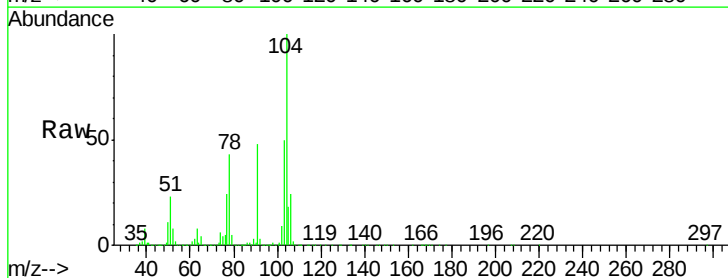
Manual Integrations
APPROVED

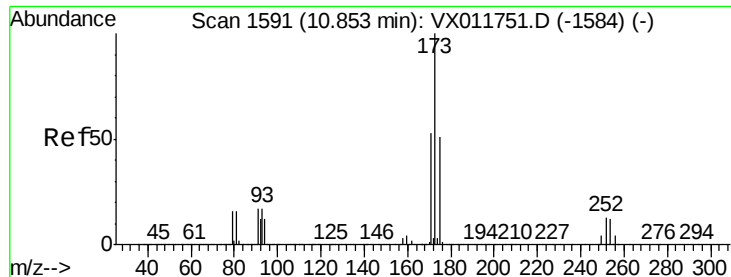
MMDadoda
8/26/2019 11:40:07 AM



#70
Styrene
Concen: 51.378 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.0	39.2	58.8
103	54.5	44.5	66.7





#71

Bromoform

Concen: 45.555 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

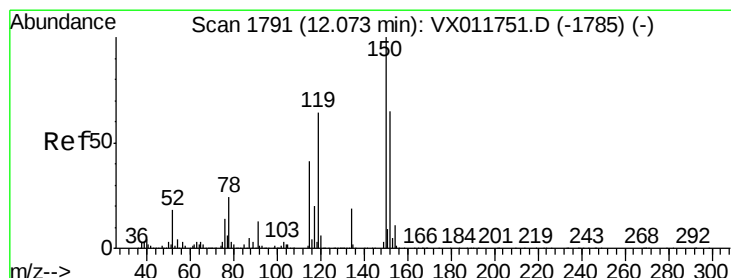
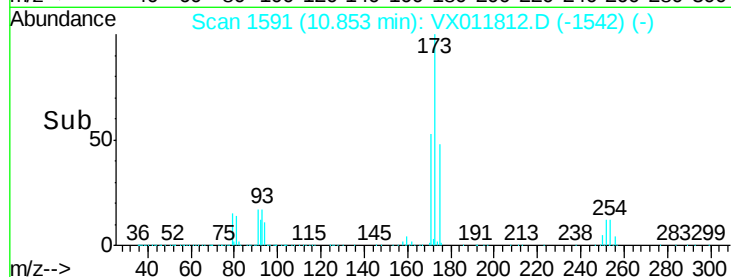
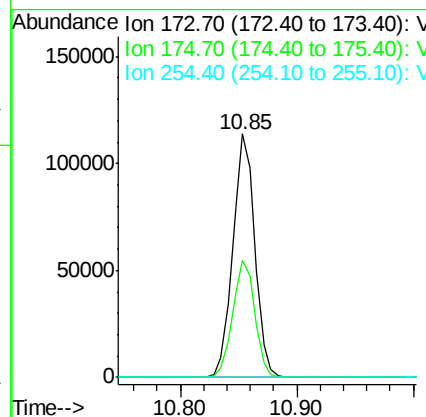
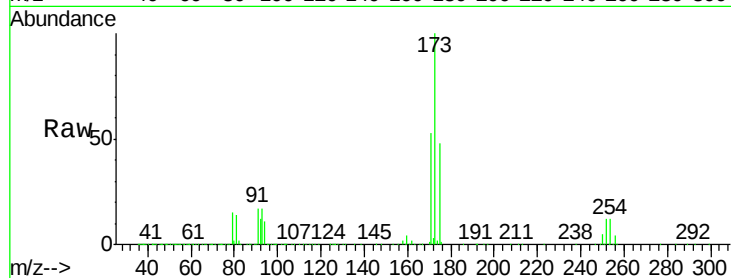
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
173	100	149143		
175	48.5	25.1	75.3	
254	0.2	0.2	0.4	

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

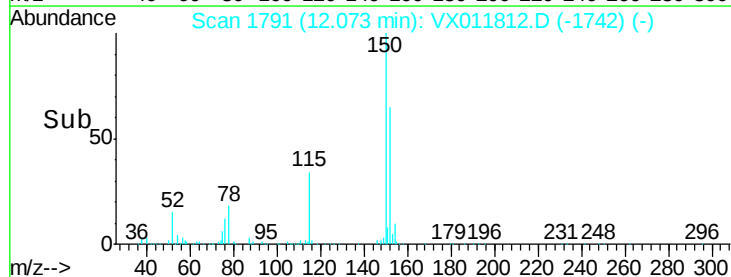
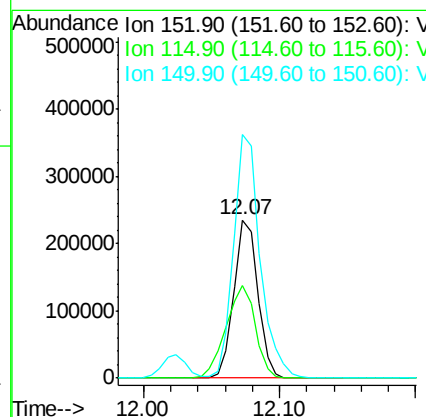
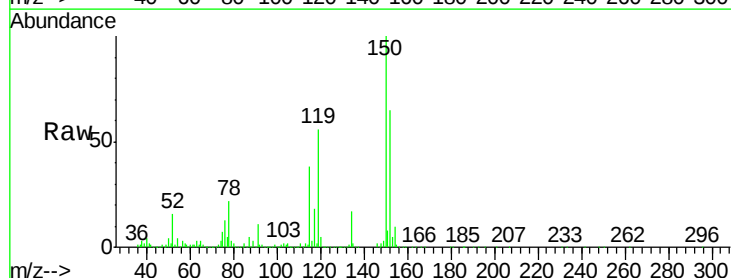
RT: 12.07 min Scan# 1791

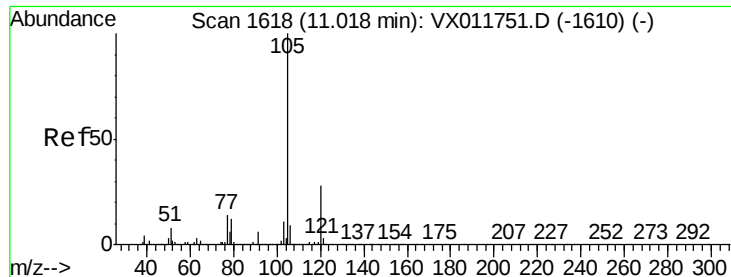
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	288685		
115	71.1	37.3	111.8	
150	170.1	0.0	343.0	





#73

Isopropylbenzene

Concen: 49.126 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 854646

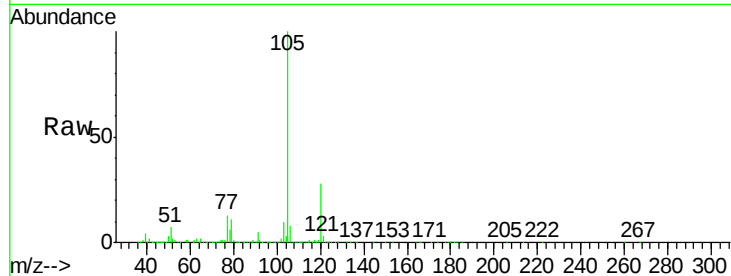
Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7

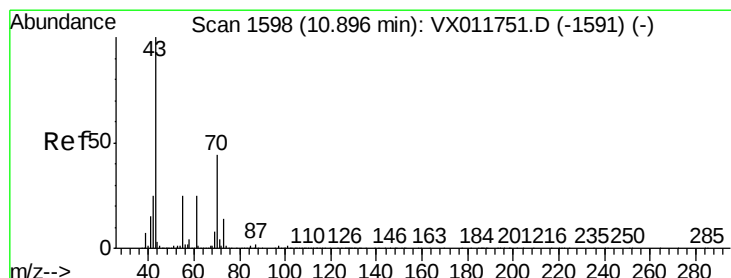
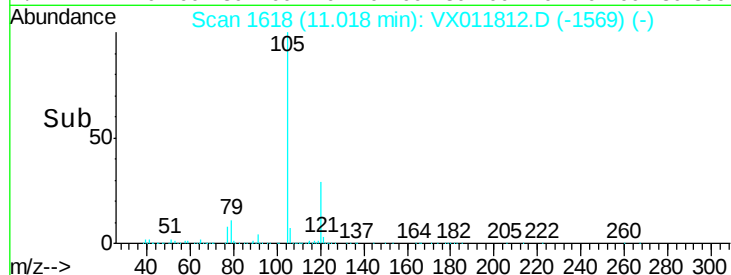
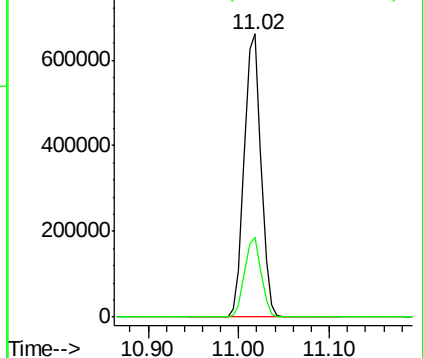
Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.559 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion: 43 Resp: 327059

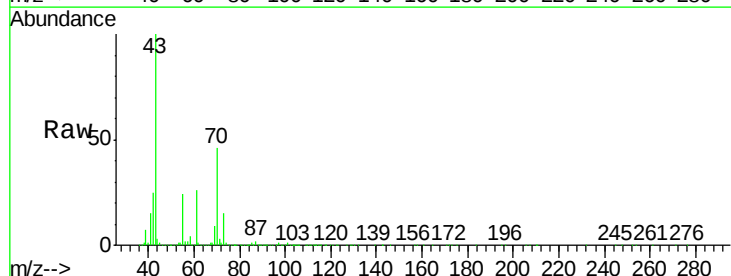
Ion Ratio Lower Upper

43 100

70 44.8 34.8 52.2

55 24.4 19.5 29.3

61 25.4 19.8 29.6

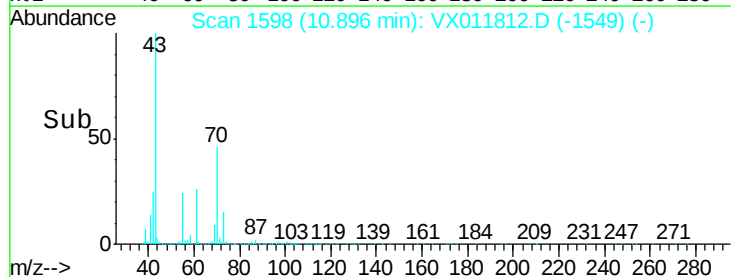
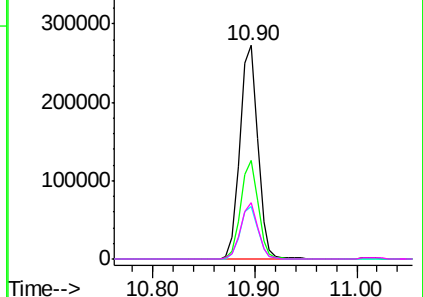


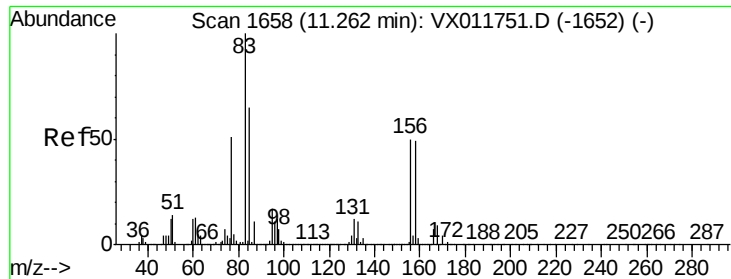
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 46.306 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

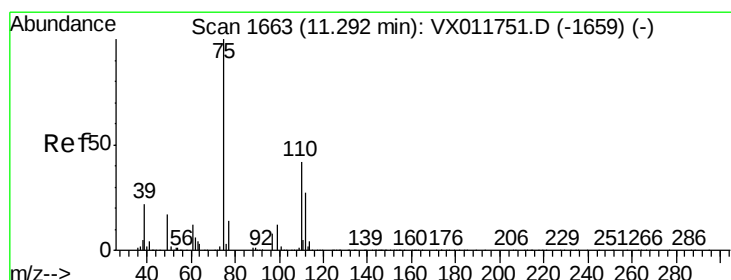
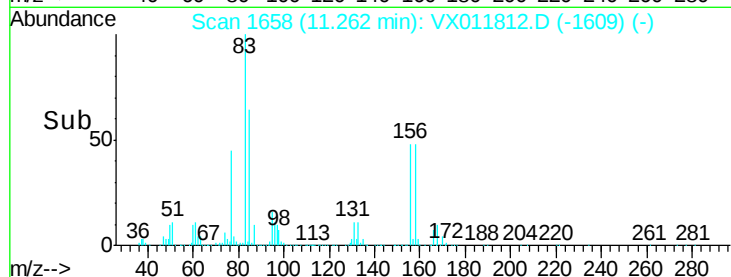
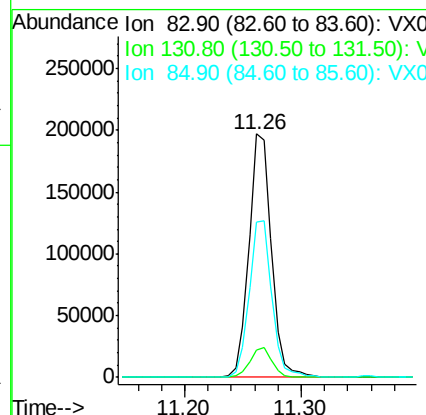
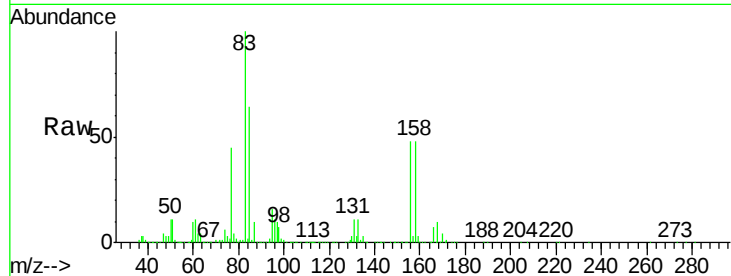
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	266651
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.1	18.3
85	64.8	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#76

1,2,3-Trichloropropane

Concen: 47.794 ug/l m

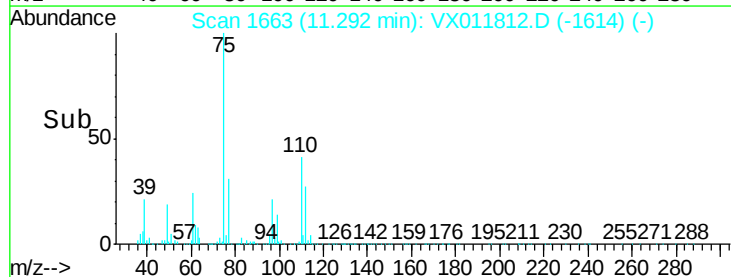
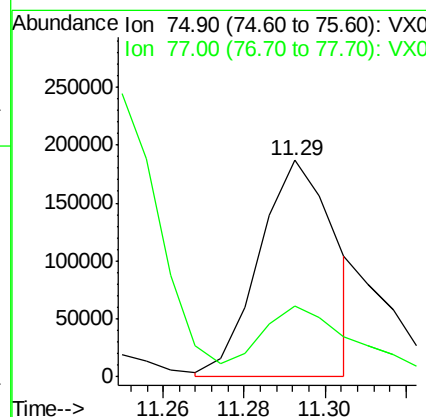
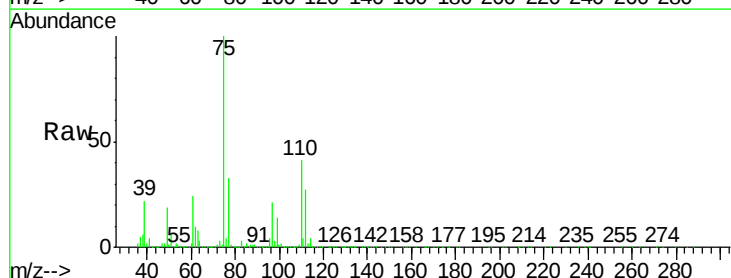
RT: 11.29 min Scan# 1663

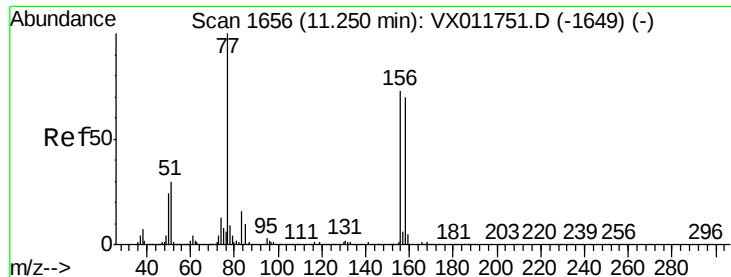
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	75	Resp:	242100
Ion Ratio	Lower	Upper	
75	100		
77	40.7	21.1	63.3





#77

Bromobenzene

Concen: 48.894 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

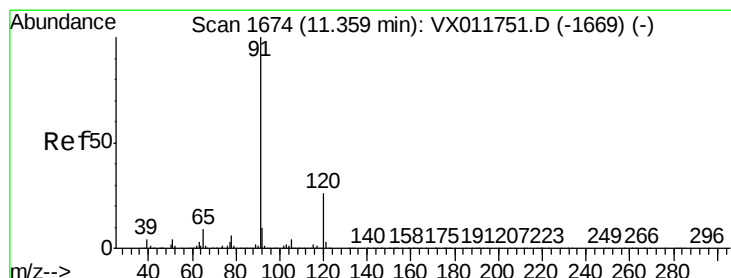
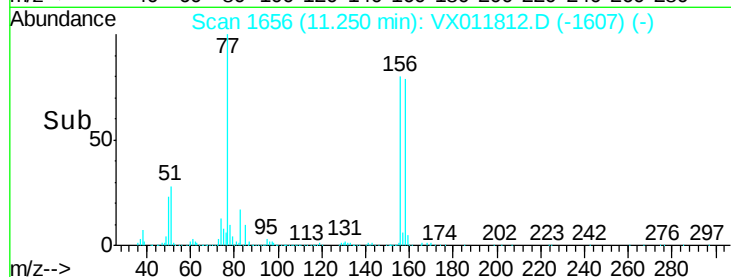
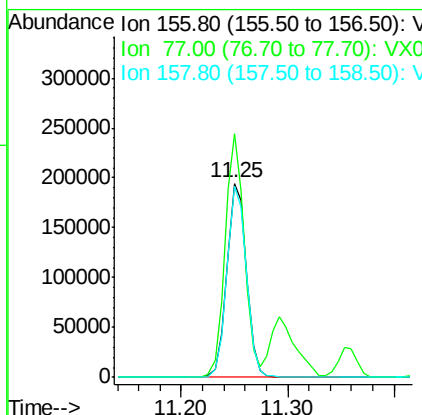
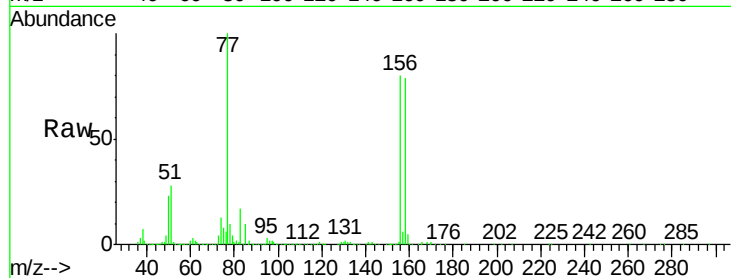
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	250766
Ion Ratio	Lower	Upper	
156	100		
77	123.2	65.3	196.0
158	98.6	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#78

n-propylbenzene

Concen: 50.628 ug/l

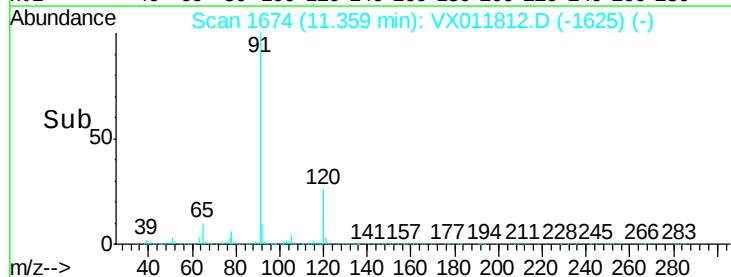
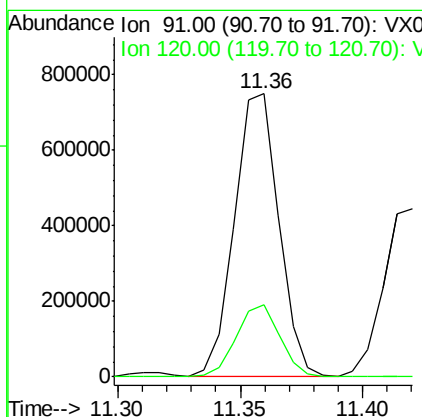
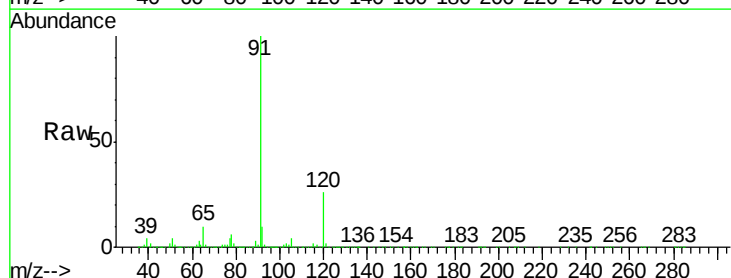
RT: 11.36 min Scan# 1674

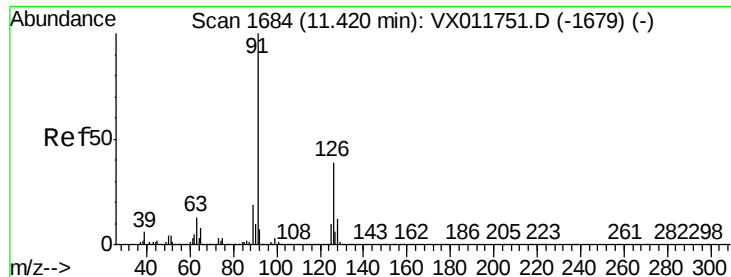
Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	91	Resp:	941809
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.7	38.1





#79

2-Chlorotoluene

Concen: 49.374 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 571422

Ion Ratio Lower Upper

91 100

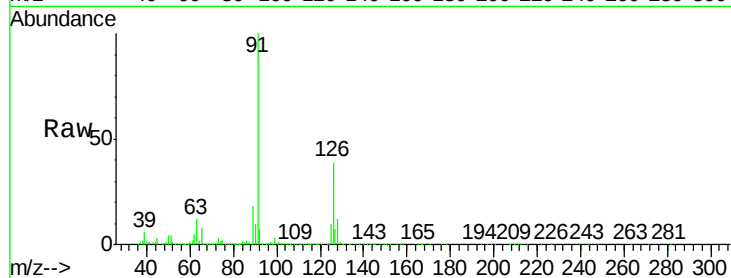
126 37.6 18.6 55.6

Manual Integrations

APPROVED

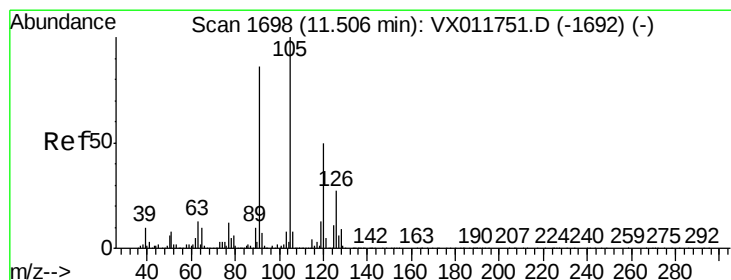
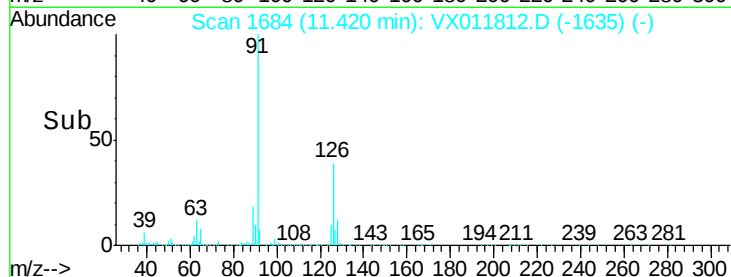
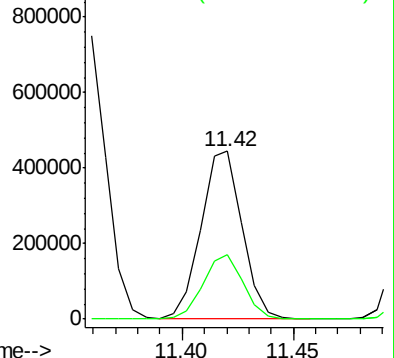
MMDadoda

8/26/2019 11:40:07 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: 50.769 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011812.D

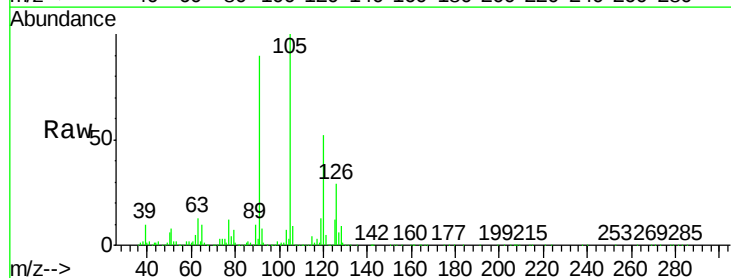
Acq: 23 Aug 2019 20:45

Tgt Ion:105 Resp: 736937

Ion Ratio Lower Upper

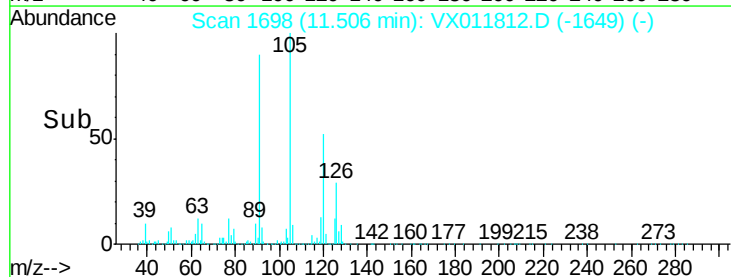
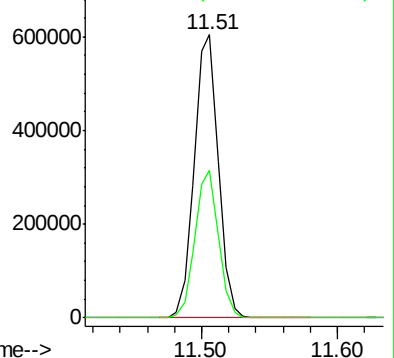
105 100

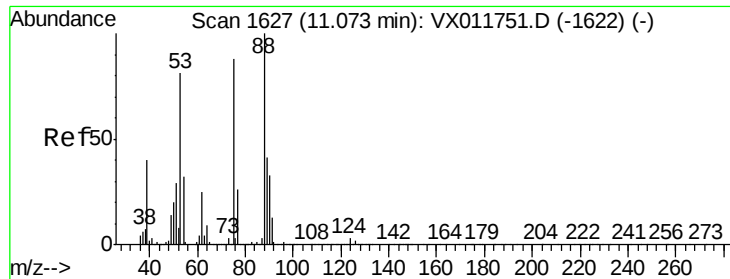
120 51.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.883 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 70349

Ion Ratio Lower Upper

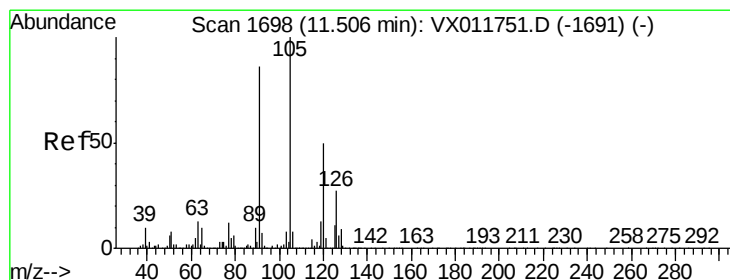
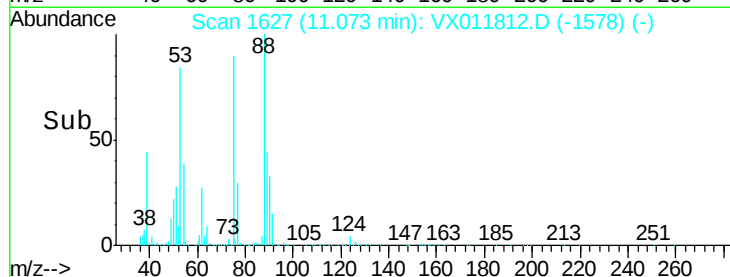
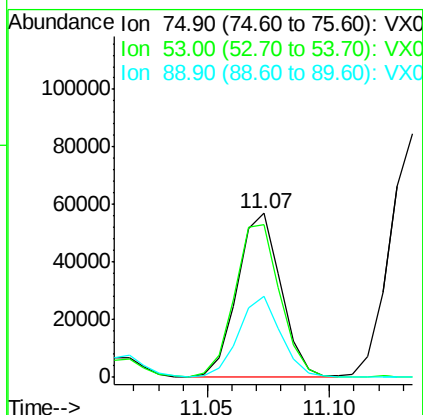
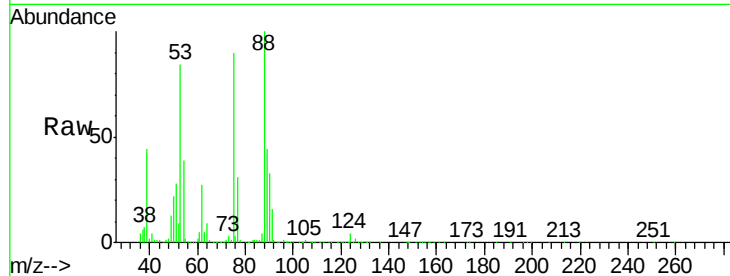
75 100

53 96.6 77.1 115.7

89 48.2 38.5 57.7

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#82

4-Chlorotoluene

Concen: 49.227 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011812.D

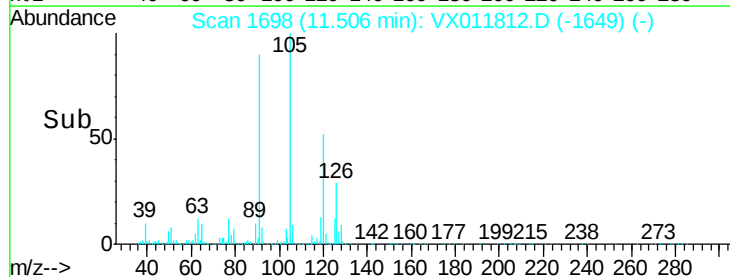
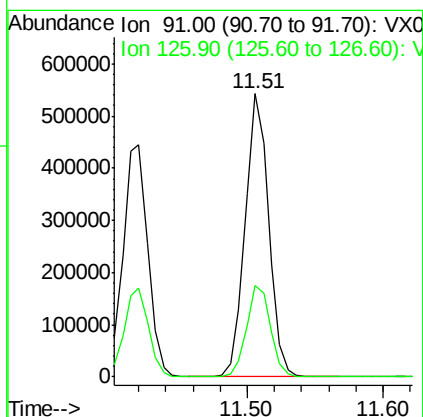
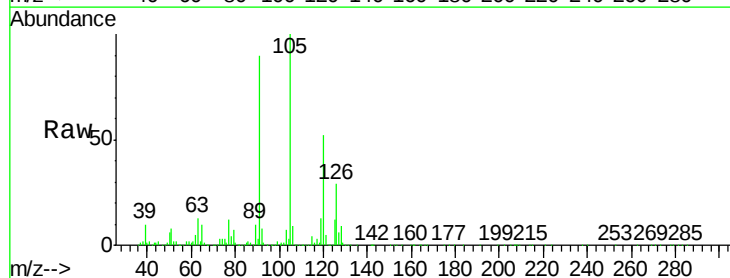
Acq: 23 Aug 2019 20:45

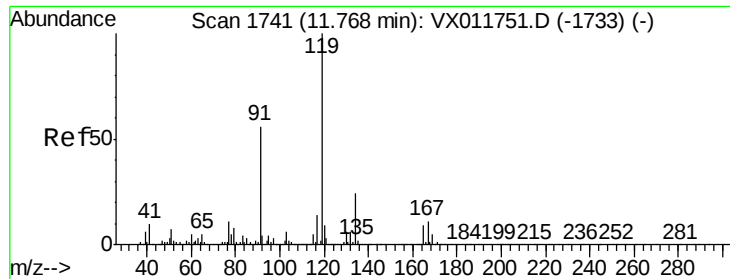
Tgt Ion: 91 Resp: 656706

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.6





#83

tert-Butylbenzene

Concen: 51.186 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

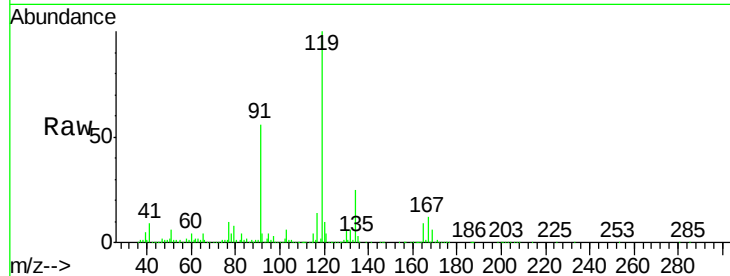
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	733051
Ion Ratio	Lower	Upper	
119	100		
91	55.5	27.7	83.1
134	24.4	11.8	35.3

Manual Integrations
APPROVED

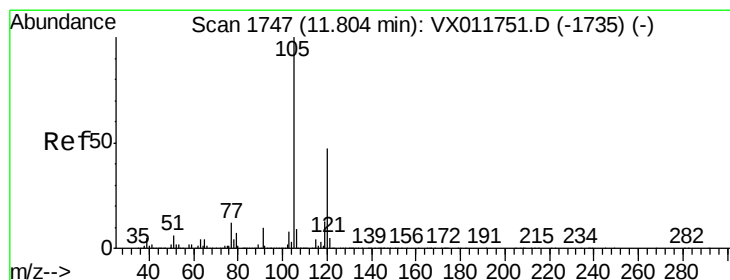
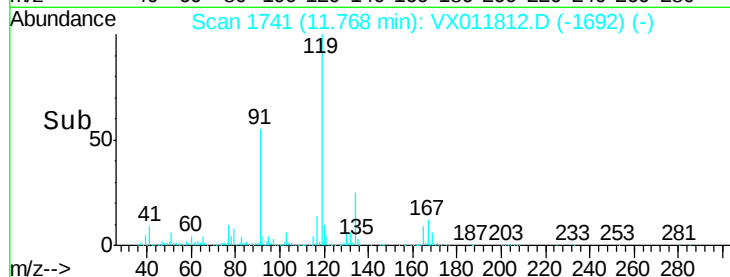
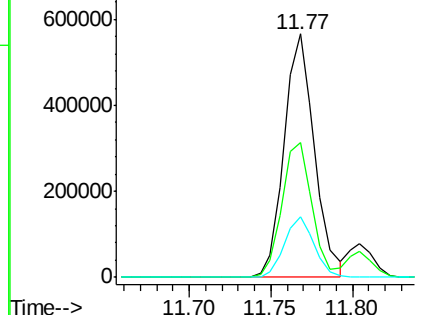
MMDadoda
8/26/2019 11:40:07 AM



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: 50.285 ug/l

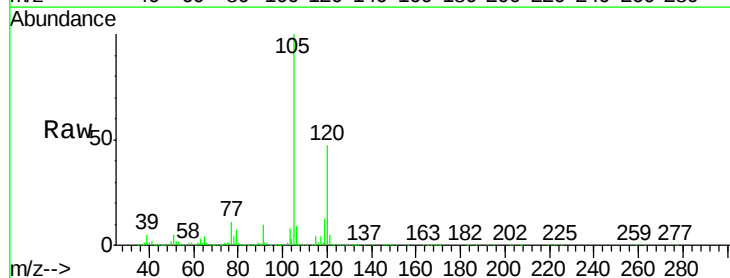
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011812.D

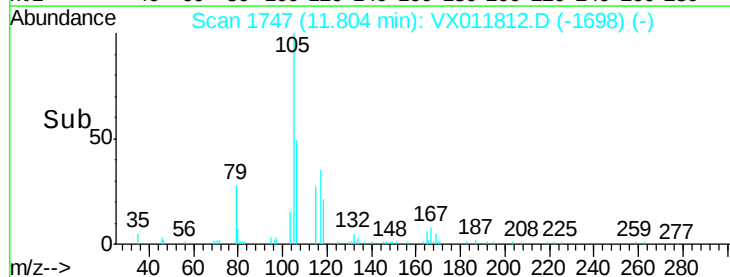
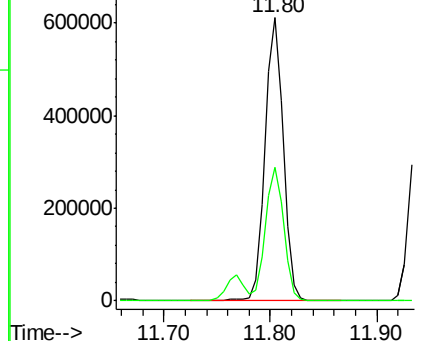
Acq: 23 Aug 2019 20:45

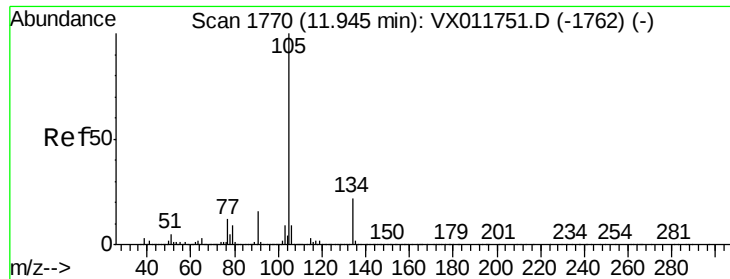
Tgt Ion:	105	Resp:	737093
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.7	71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.860 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 833190

Ion Ratio Lower Upper

105 100

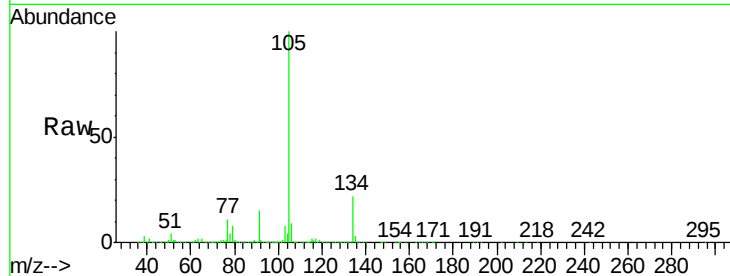
134 21.7 10.8 32.3

Manual Integrations

APPROVED

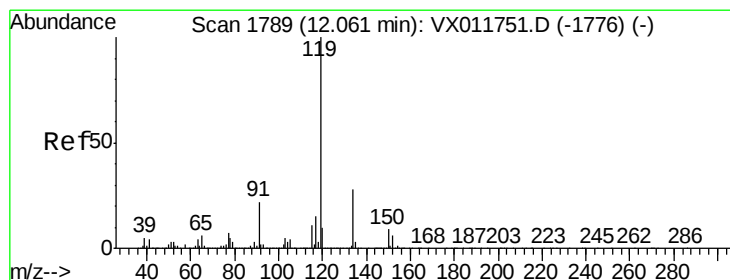
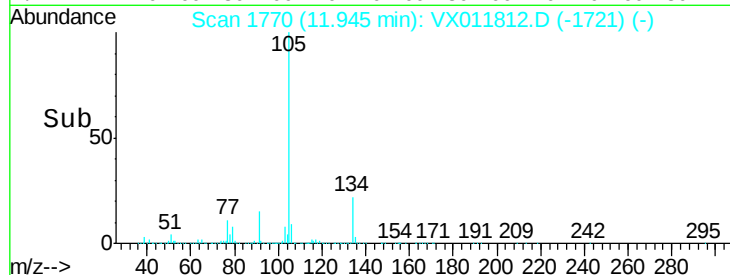
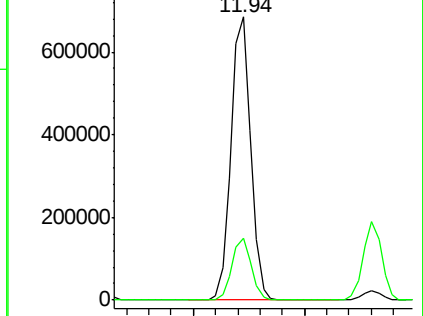
MMDadoda

8/26/2019 11:40:07 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.720 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

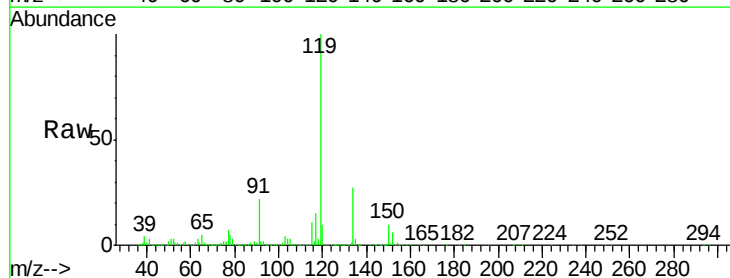
Tgt Ion:119 Resp: 799453

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

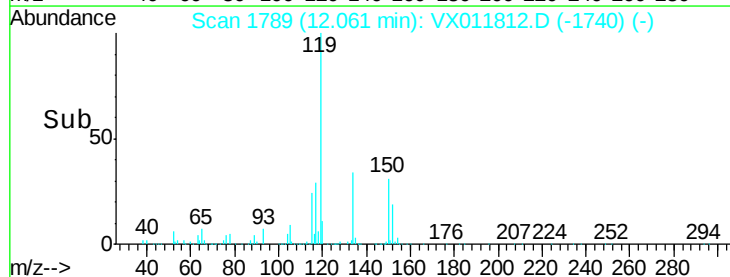
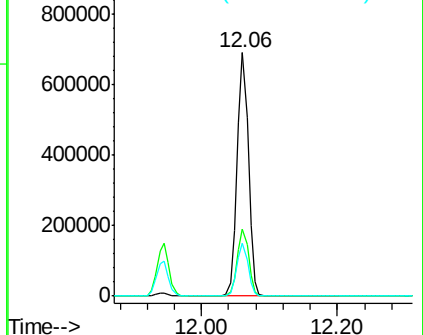
91 21.6 11.1 33.3

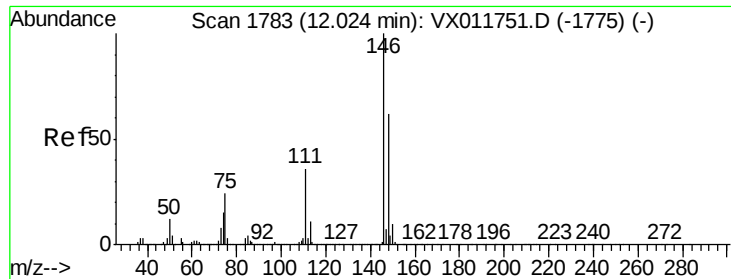


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





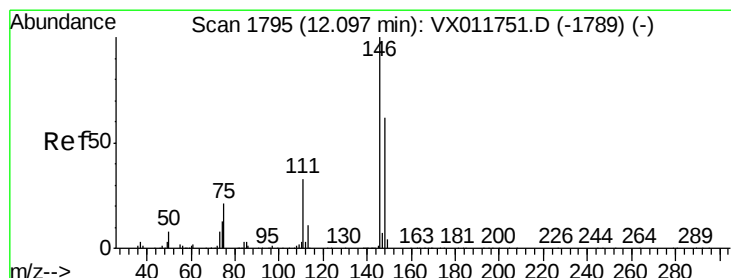
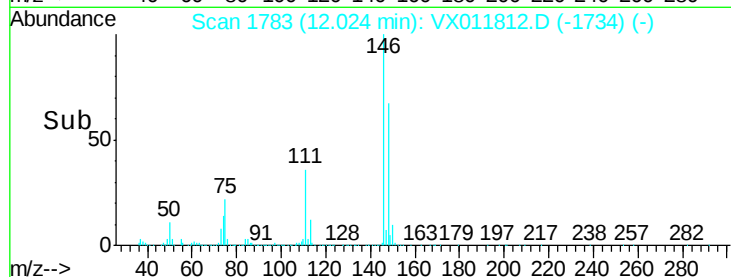
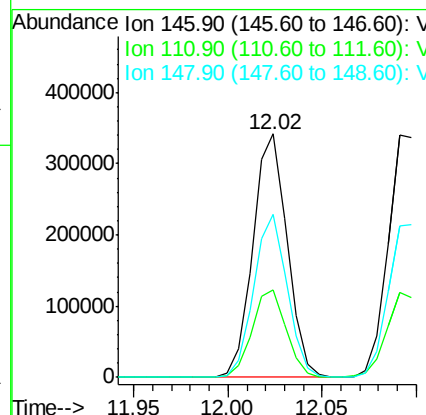
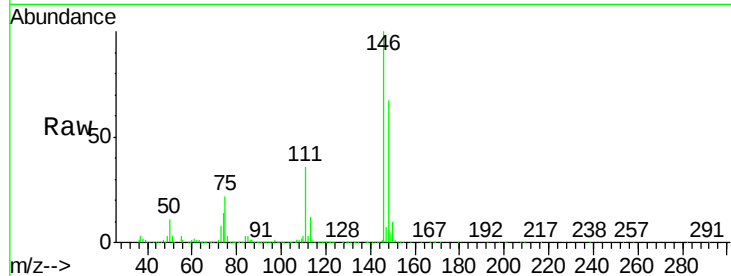
#87
 1,3-Dichlorobenzene
 Concen: 48.605 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	65.1	31.6	94.7

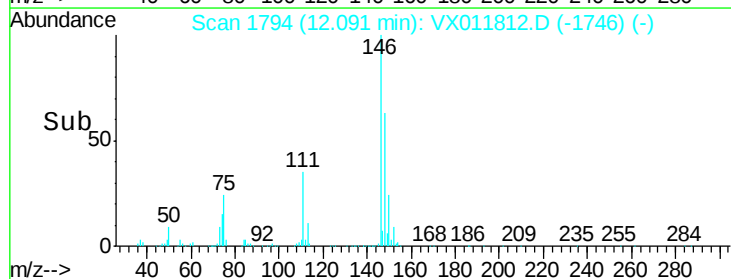
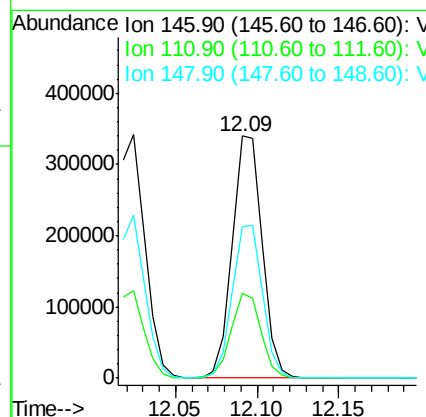
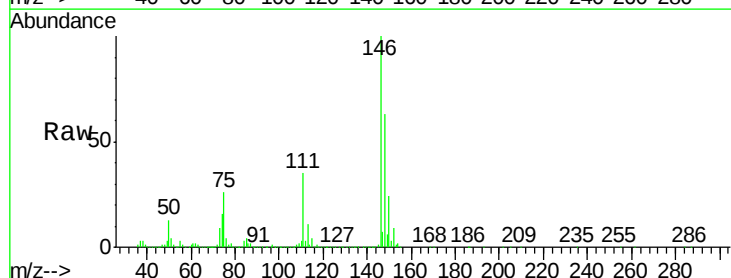
Manual Integrations
 APPROVED

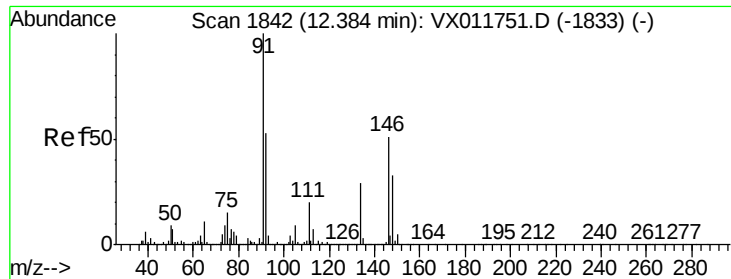
MMDadoda
 8/26/2019 11:40:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.335 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.8	53.4
148	64.1	31.9	95.7





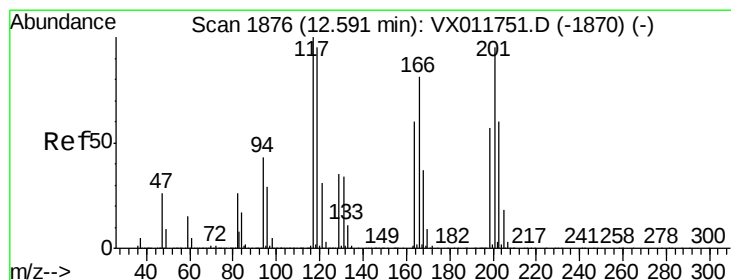
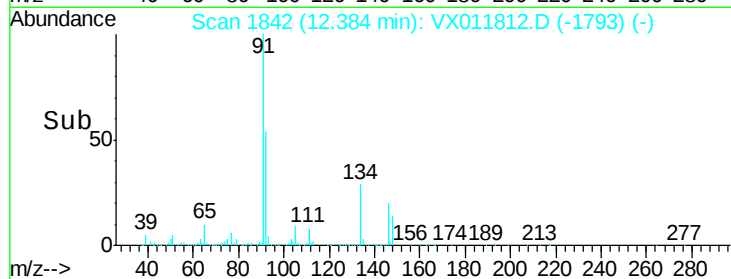
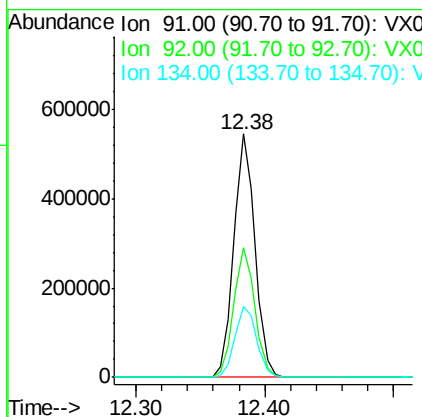
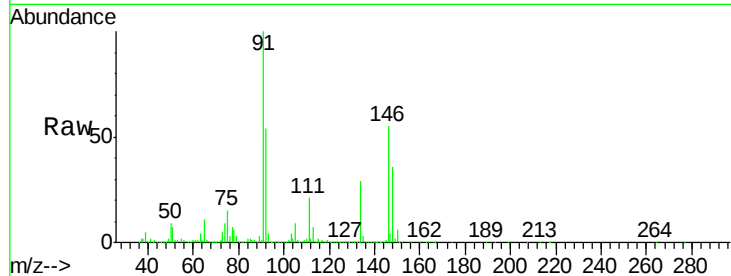
#89
n-Butylbenzene
Concen: 47.994 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	626230		
92	53.2		26.7	80.0
134	30.0		14.6	43.8

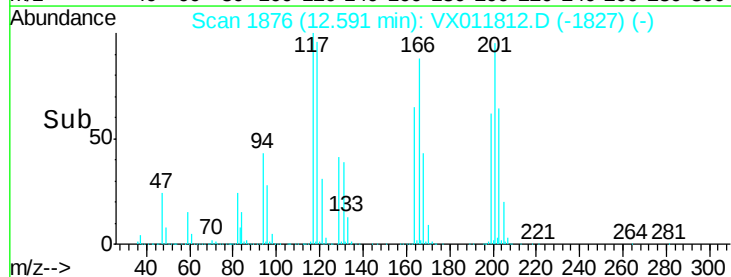
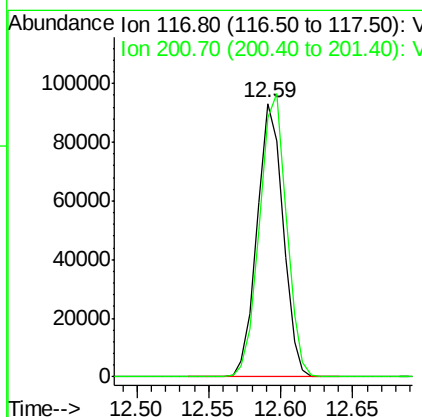
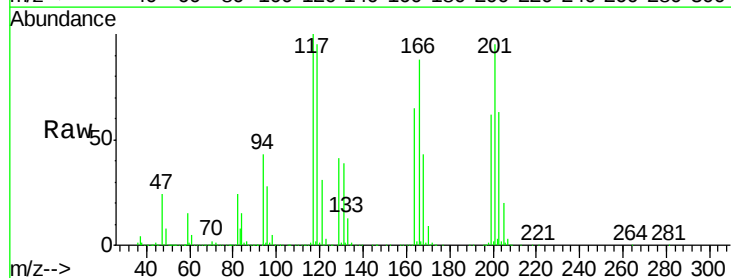
Manual Integrations
APPROVED

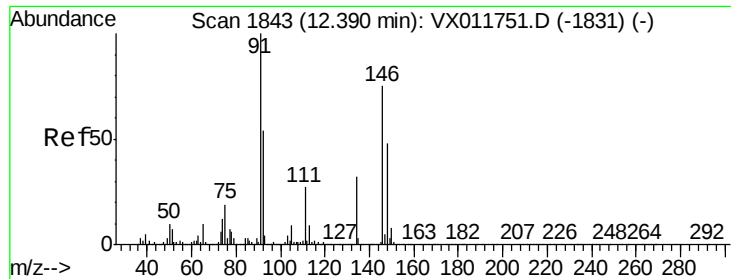
MMDadoda
8/26/2019 11:40:07 AM



#90
Hexachloroethane
Concen: 47.280 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	115776		
201	107.1		49.6	149.0





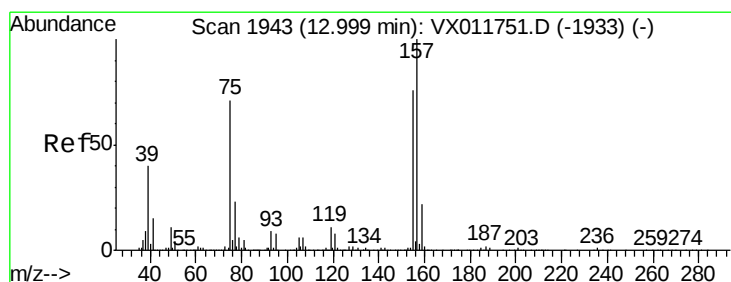
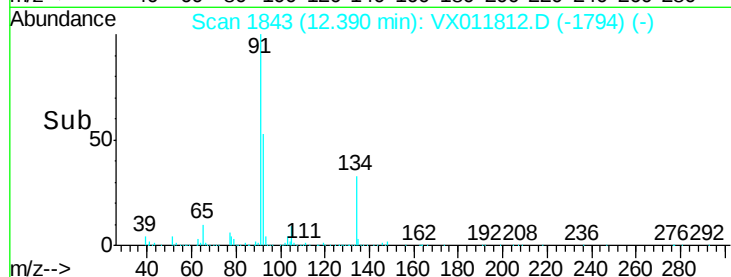
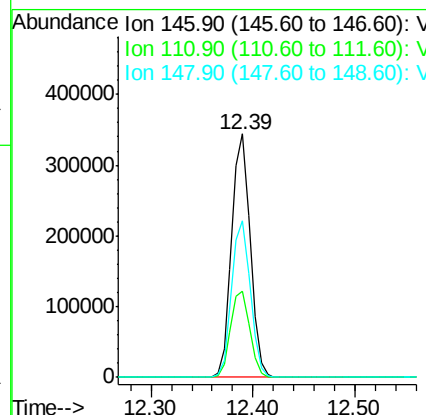
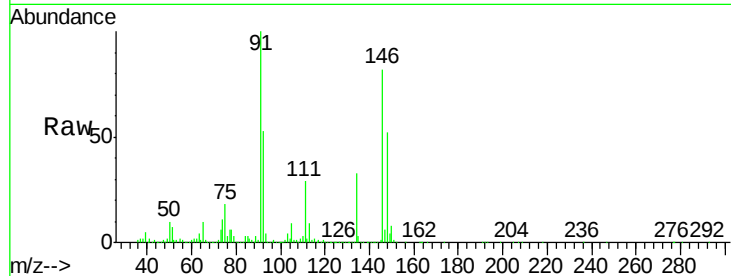
#91
 1,2-Dichlorobenzene
 Concen: 48.620 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	433116		
111	36.8		18.8	56.4
148	64.4		31.6	95.0

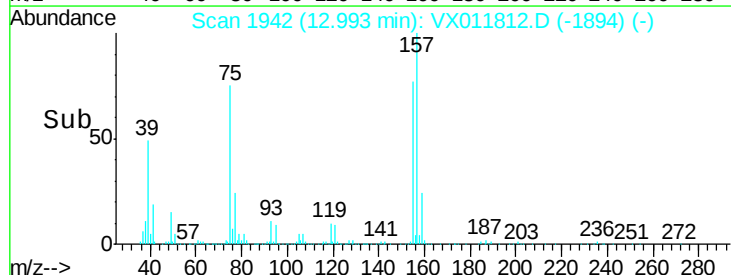
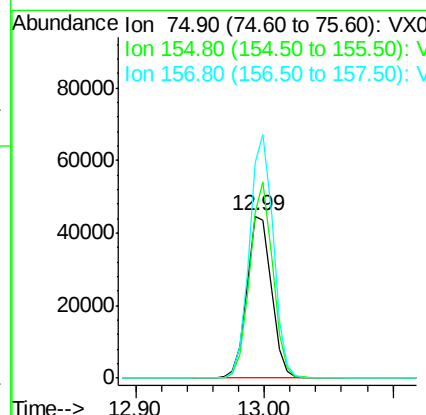
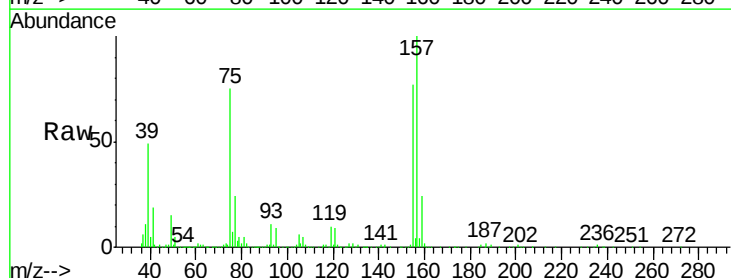
Manual Integrations
 APPROVED

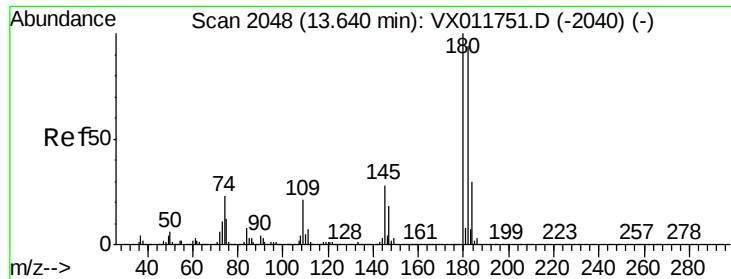
MMDadoda
 8/26/2019 11:40:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.459 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58172		
155	113.2		52.6	157.9
157	146.0		68.3	204.9





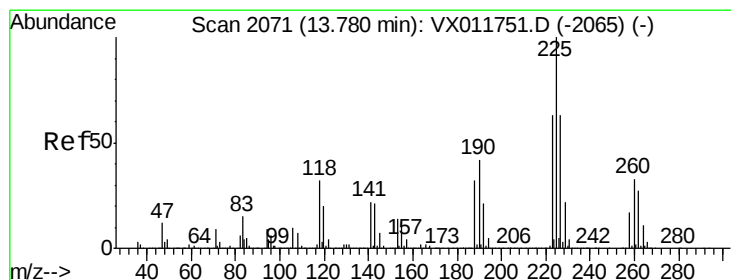
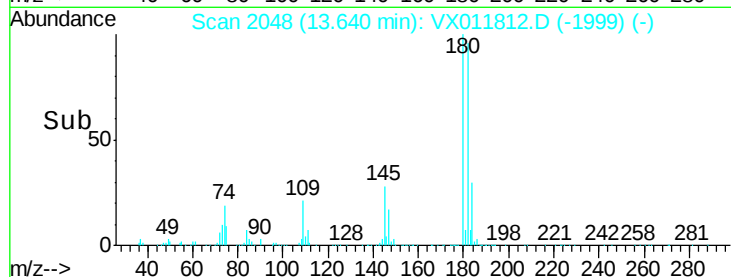
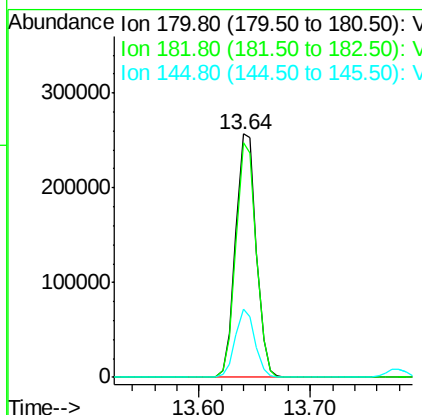
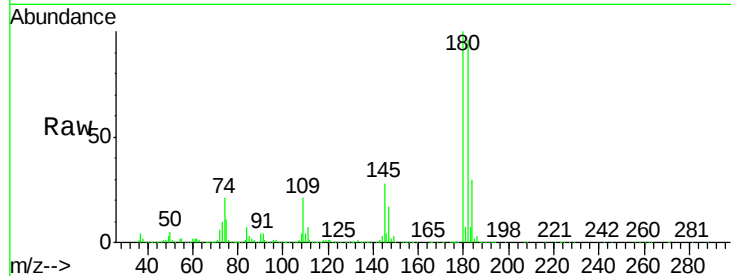
#93
 1,2,4-Trichlorobenzene
 Concen: 50.344 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	329885		
182	95.2	47.8	143.4	
145	26.9	14.1	42.3	

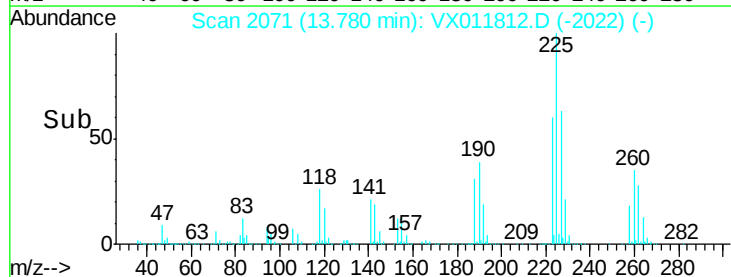
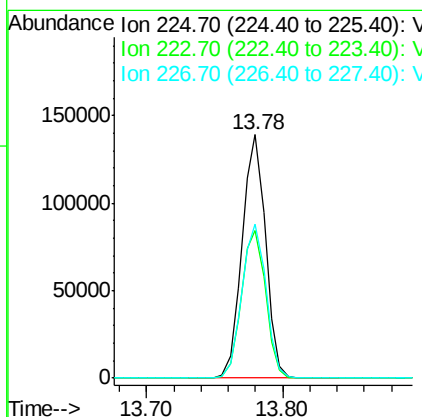
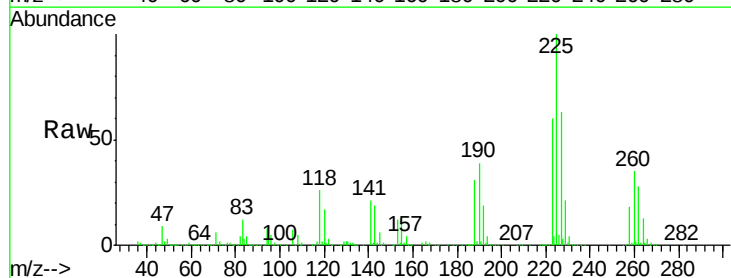
Manual Integrations
 APPROVED

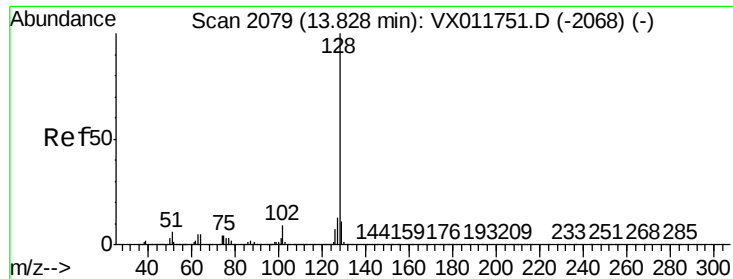
MMDadoda
 8/26/2019 11:40:07 AM



#94
 Hexachlorobutadiene
 Concen: 46.570 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167215		
223	62.3	31.0	93.0	
227	65.0	31.8	95.3	





#95

Naphthalene

Concen: 53.349 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

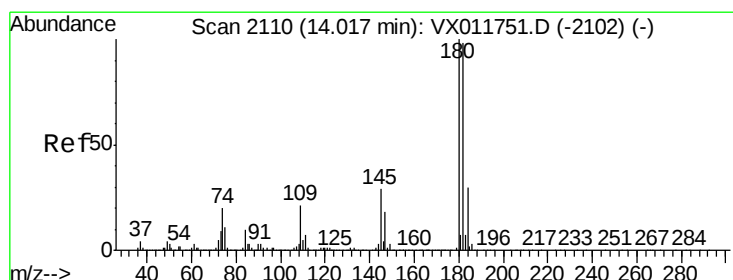
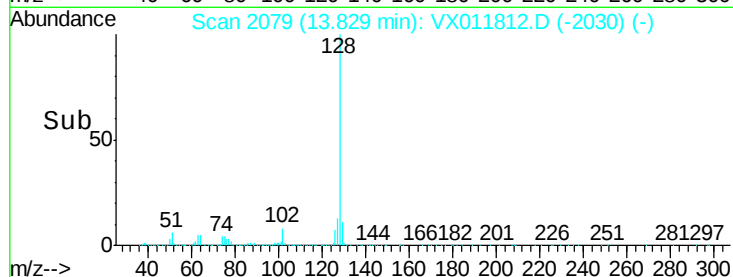
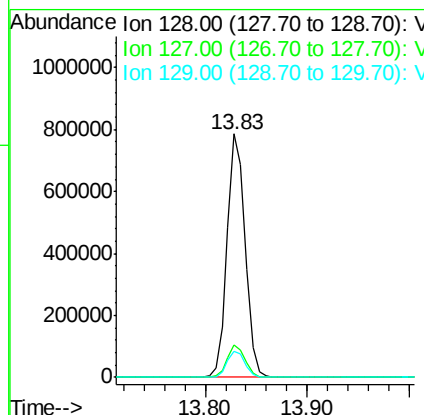
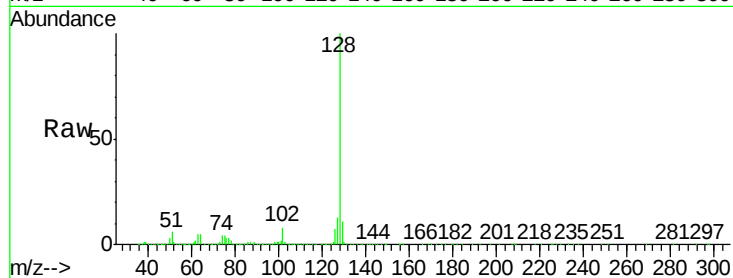
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	962784
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.145 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:	180	Resp:	336500
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.5
145	28.7	14.6	43.8

