

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011749.D
 Acq On : 22 Aug 2019 09:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:40 PM

Quant Time: Aug 23 01:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	357049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	481517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	266474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	21603	6.35	ug/l	0.00
Spiked Amount			Recovery	=	12.70%	
35) Dibromofluoromethane	5.49	113	18814	5.63	ug/l	0.00
Spiked Amount			Recovery	=	11.26%	
50) Toluene-d8	8.71	98	57268	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
62) 4-Bromofluorobenzene	11.13	95	26247	5.92	ug/l	0.00
Spiked Amount			Recovery	=	11.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	16247	4.675	ug/l	98
3) Chloromethane	1.32	50	17011	4.771	ug/l	95
4) Vinyl Chloride	1.40	62	16442	5.106	ug/l	94
5) Bromomethane	1.63	94	9672	6.476	ug/l	98
6) Chloroethane	1.71	64	9666	6.027	ug/l #	83
7) Trichlorofluoromethane	1.92	101	27183	5.927	ug/l	96
8) Diethyl Ether	2.18	74	9220	5.913	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	16768	5.370	ug/l	98
10) Methyl Iodide	2.50	142	16040	3.706	ug/l	94
11) Tert butyl alcohol	3.04	59	18249	22.990	ug/l #	83
12) 1,1-Dichloroethene	2.36	96	15195	5.052	ug/l	96
13) Acrolein	2.29	56	7770	28.657	ug/l	98
14) Allyl chloride	2.72	41	23545	4.718	ug/l	94
15) Acrylonitrile	3.14	53	45060	24.678	ug/l	99
16) Acetone	2.44	43	43814	26.452	ug/l	97
17) Carbon Disulfide	2.56	76	35643	4.951	ug/l	100
18) Methyl Acetate	2.77	43	21830	4.333	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	48620	4.973	ug/l	98
20) Methylene Chloride	2.85	84	18670	5.378	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	17442	5.434	ug/l	98
22) Diisopropyl ether	3.85	45	47749	4.856	ug/l	96
23) Vinyl Acetate	3.81	43	199433	25.420	ug/l	97
24) 1,1-Dichloroethane	3.69	63	28613	5.091	ug/l	99
25) 2-Butanone	4.67	43	63425	24.899	ug/l	98
26) 2,2-Dichloropropane	4.57	77	23504	5.473	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	19128	5.151	ug/l	95
28) Bromochloromethane	5.01	49	11791	4.756	ug/l	87
29) Tetrahydrofuran	5.12	42	38872	23.228	ug/l	97
30) Chloroform	5.20	83	31544	5.314	ug/l	98
31) Cyclohexane	5.57	56	22633	4.672	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	26549	5.177	ug/l	97
36) 1,1-Dichloropropene	5.79	75	22178	5.224	ug/l	99
37) Ethyl Acetate	4.82	43	24663	5.079	ug/l	99
38) Carbon Tetrachloride	5.78	117	22947	4.890	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011749.D
 Acq On : 22 Aug 2019 09:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:40 PM

Quant Time: Aug 23 01:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24250	4.582	ug/l	95
40) Benzene	6.13	78	68240	5.182	ug/l	93
41) Methacrylonitrile	5.03	41	12139	4.569	ug/l #	91
42) 1,2-Dichloroethane	6.18	62	24368	5.293	ug/l	98
43) Isopropyl Acetate	6.44	43	34780	4.577	ug/l	99
44) Trichloroethene	7.21	130	20703	5.251	ug/l	92
45) 1,2-Dichloropropane	7.51	63	16394	4.989	ug/l	89
46) Dibromomethane	7.66	93	12746	5.292	ug/l	94
47) Bromodichloromethane	7.90	83	20964	4.757	ug/l	95
48) Methyl methacrylate	7.77	41	17479	4.650	ug/l	95
49) 1,4-Dioxane	7.74	88	9318	92.911	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	120341	24.307	ug/l	99
52) Toluene	8.78	92	41439	4.906	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	20601	4.507	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	24282	4.865	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	17945	5.010	ug/l	97
56) Ethyl methacrylate	9.18	69	24092	4.633	ug/l	93
57) 1,3-Dichloropropane	9.37	76	28981	5.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	59202	22.607	ug/l	97
59) 2-Hexanone	9.49	43	94639	24.753	ug/l	95
60) Dibromochloromethane	9.58	129	17836	4.790	ug/l	98
61) 1,2-Dibromoethane	9.67	107	18884	4.932	ug/l	97
64) Tetrachloroethene	9.33	164	20051	5.038	ug/l	97
65) Chlorobenzene	10.13	112	52721	5.215	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	18734	4.942	ug/l	99
67) Ethyl Benzene	10.25	91	87177	5.119	ug/l	99
68) m/p-Xylenes	10.35	106	65680	10.041	ug/l	98
69) o-Xylene	10.69	106	32939	5.137	ug/l	99
70) Styrene	10.71	104	53806	5.011	ug/l	99
71) Bromoform	10.85	173	14486	4.502	ug/l #	99
73) Isopropylbenzene	11.02	105	87625	5.127	ug/l	98
74) N-amyl acetate	10.90	43	31728	4.425	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	28538	4.908	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	24363m	4.906	ug/l	
77) Bromobenzene	11.26	156	26540	5.249	ug/l	97
78) n-propylbenzene	11.36	91	93136	5.055	ug/l	98
79) 2-Chlorotoluene	11.42	91	59859	5.297	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	73527	5.121	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	6581	3.932	ug/l #	81
82) 4-Chlorotoluene	11.51	91	68121	5.190	ug/l	99
83) tert-Butylbenzene	11.77	119	73981	5.078	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	72624	5.045	ug/l	100
85) sec-Butylbenzene	11.94	105	83881	5.122	ug/l	99
86) p-Isopropyltoluene	12.06	119	79808	5.152	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	44706	5.121	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	45751	5.173	ug/l	95
89) n-Butylbenzene	12.38	91	62387	4.892	ug/l	99
90) Hexachloroethane	12.59	117	10546	4.307	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	46082	5.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6086	4.535	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
Data File : VX011749.D
Acq On : 22 Aug 2019 09:19
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

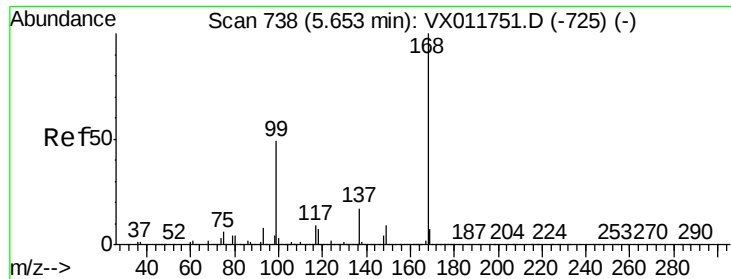
Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM

Quant Time: Aug 23 01:39:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:19:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	31926	4.894	ug/l	98
94) Hexachlorobutadiene	13.78	225	18491	5.269	ug/l	99
95) Naphthalene	13.83	128	85170	4.661	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	32893	5.010	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: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 357049

Ion Ratio Lower Upper

168 100

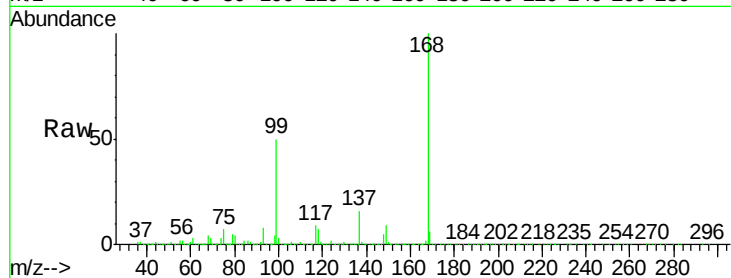
99 49.5 39.4 59.2

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

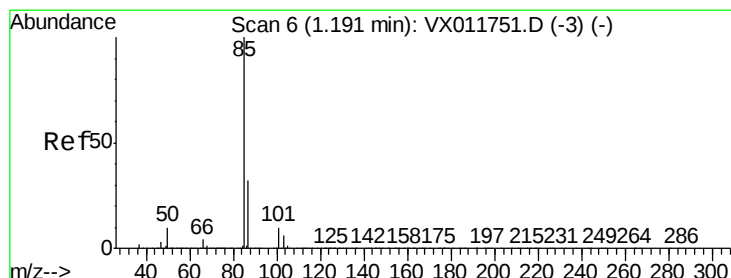
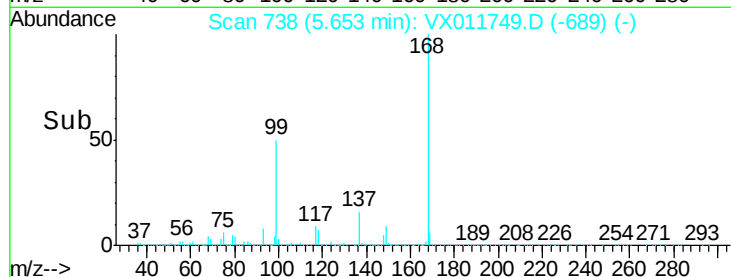
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.675 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011749.D

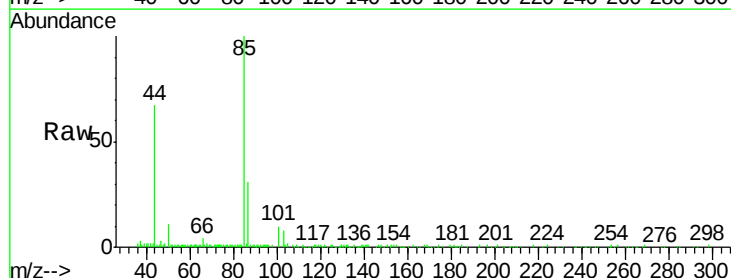
Acq: 22 Aug 2019 09:19

Tgt Ion: 85 Resp: 16247

Ion Ratio Lower Upper

85 100

87 30.8 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

20000

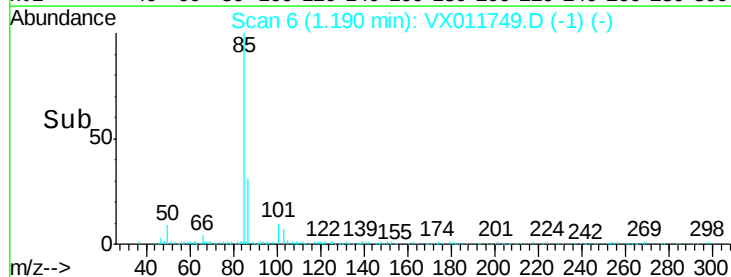
15000

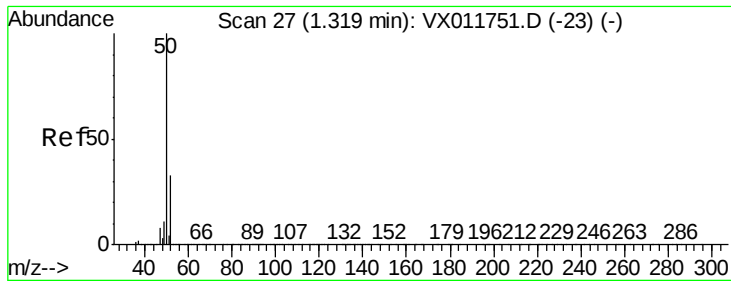
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.771 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17011

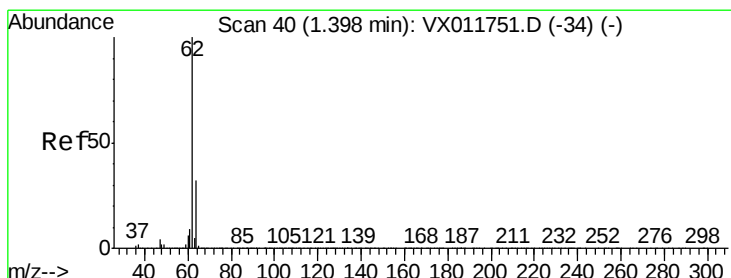
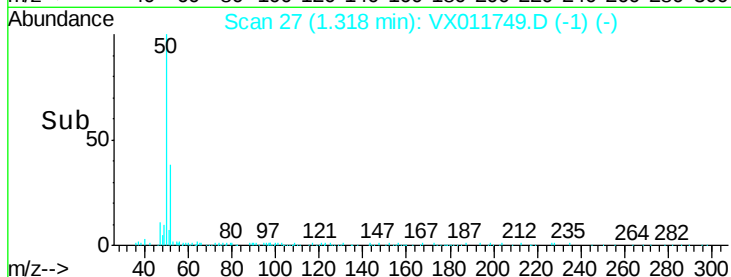
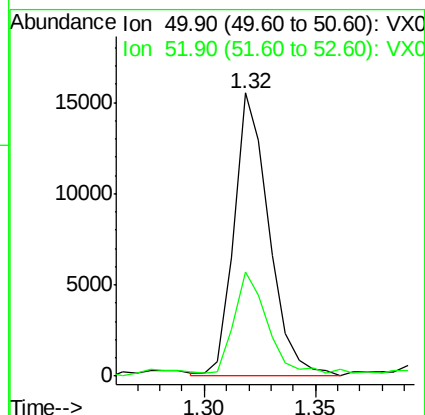
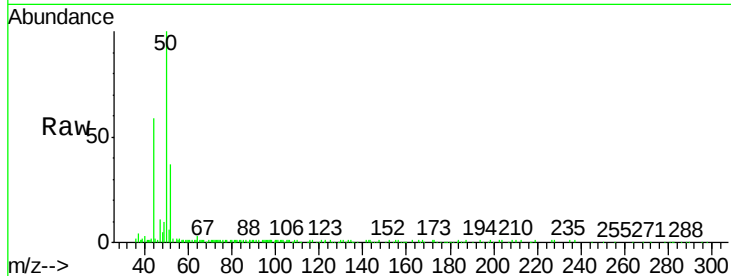
Ion Ratio Lower Upper

50 100

52 36.0 26.6 39.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#4

Vinyl Chloride

Concen: 5.106 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011749.D

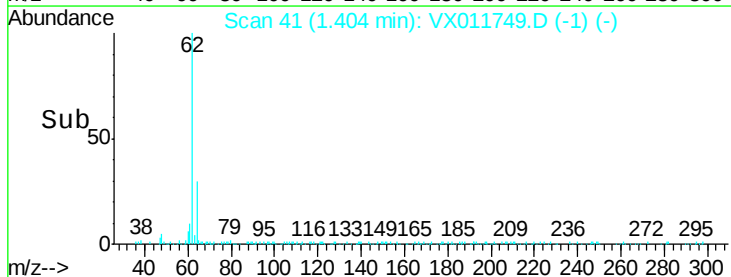
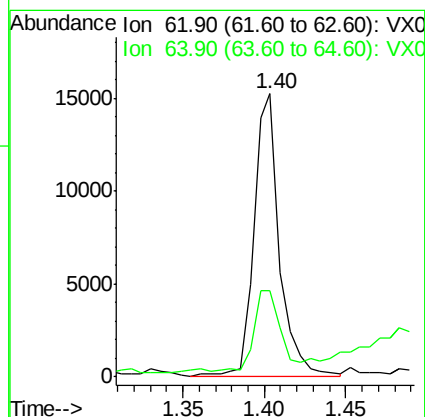
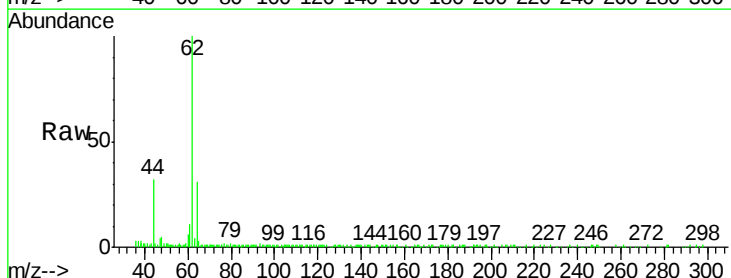
Acq: 22 Aug 2019 09:19

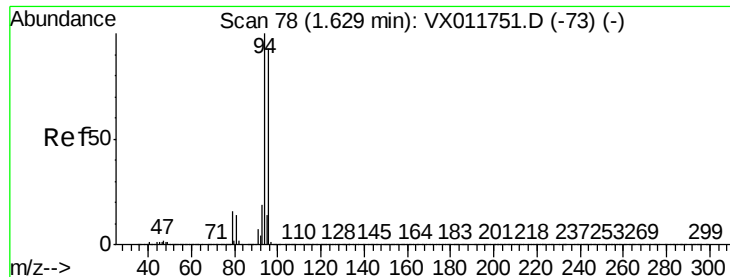
Tgt Ion: 62 Resp: 16442

Ion Ratio Lower Upper

62 100

64 28.7 25.5 38.3





#5

Bromomethane

Concen: 6.476 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9672

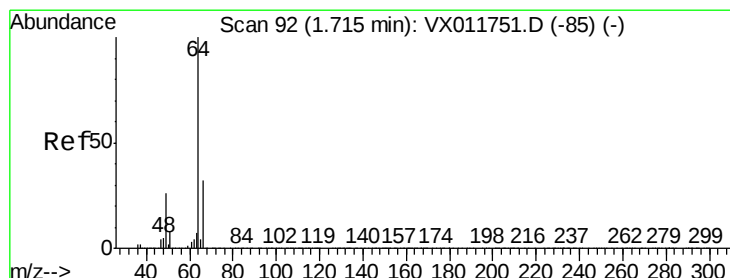
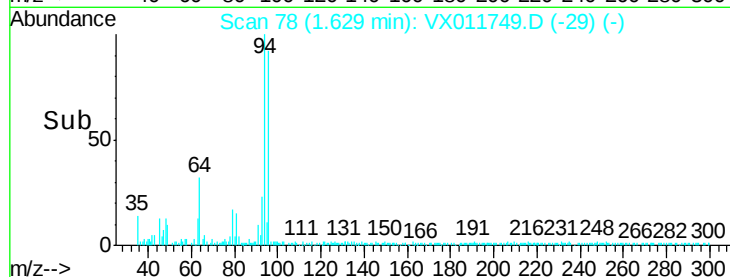
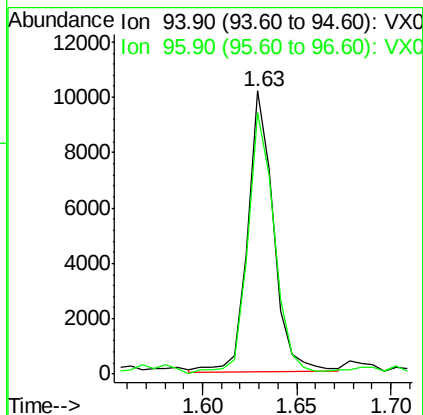
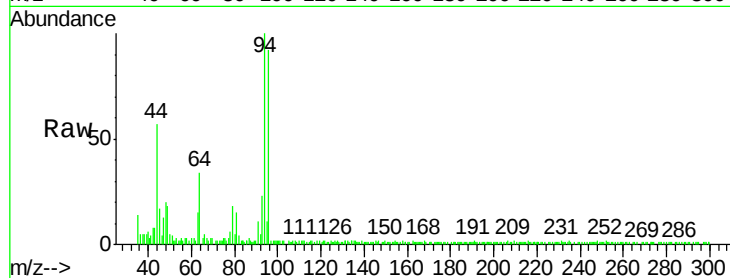
Ion Ratio Lower Upper

94 100

96 94.2 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#6

Chloroethane

Concen: 6.027 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011749.D

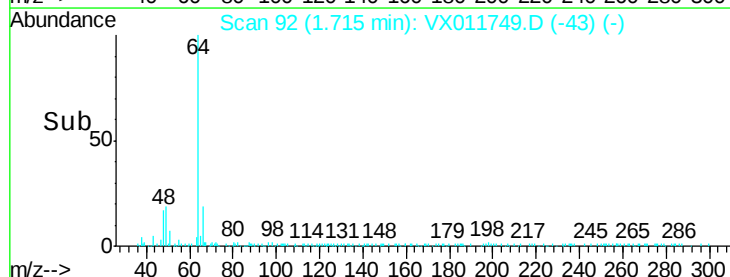
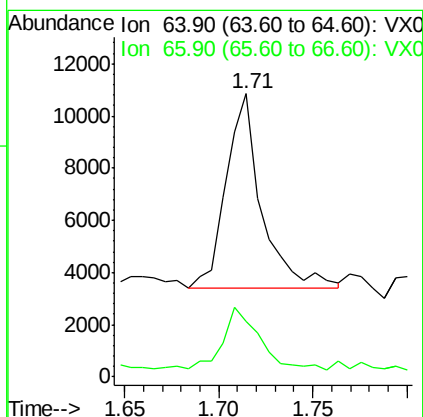
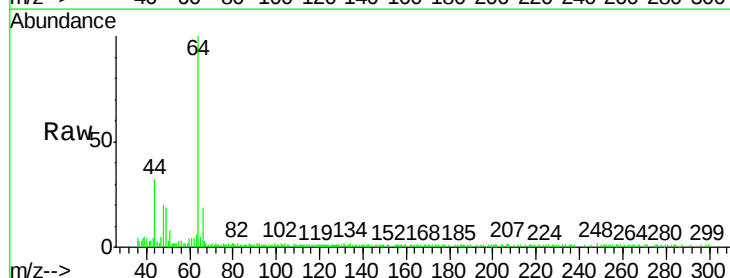
Acq: 22 Aug 2019 09:19

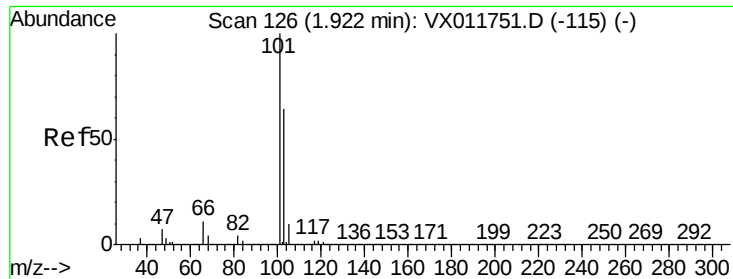
Tgt Ion: 64 Resp: 9666

Ion Ratio Lower Upper

64 100

66 21.9 24.9 37.3#





#7

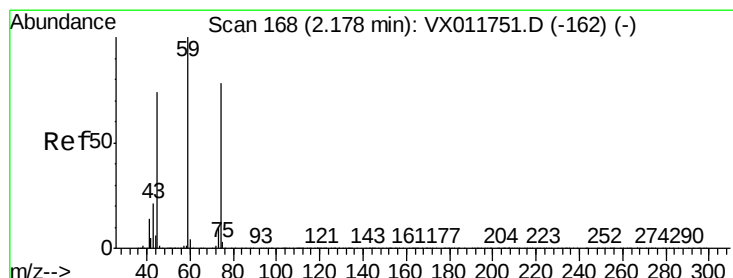
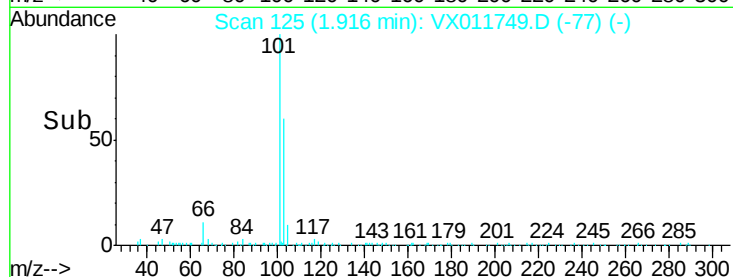
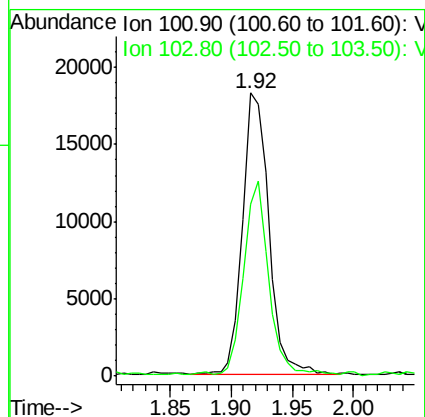
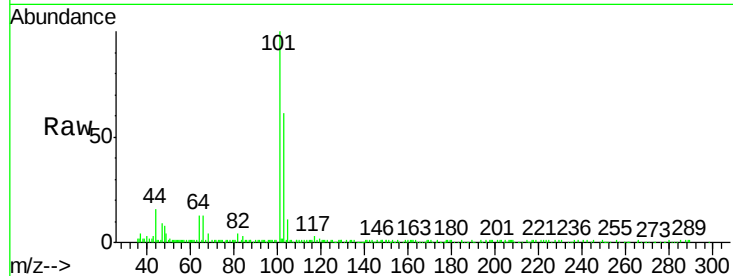
Trichlorofluoromethane
Concen: 5.927 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.2	76.8

Manual Integrations
APPROVED

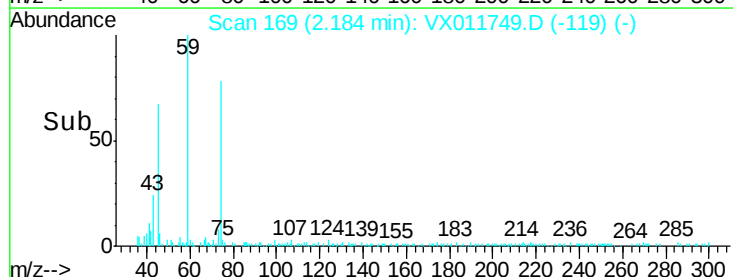
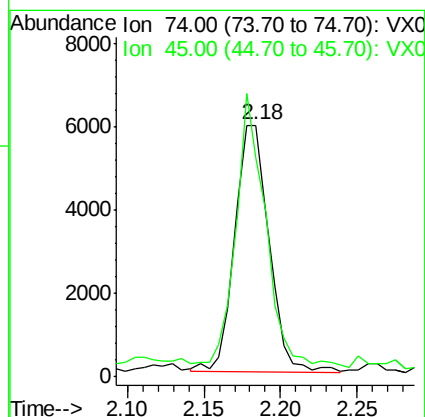
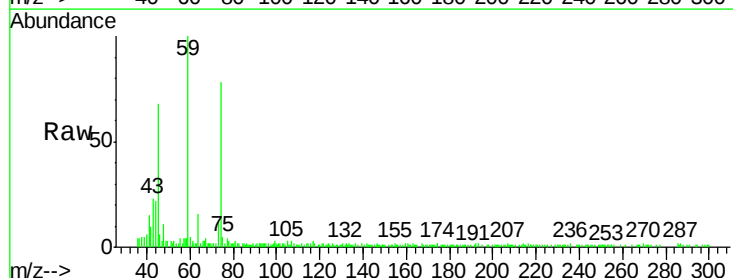
MMDadoda
8/23/2019 1:55:40 PM

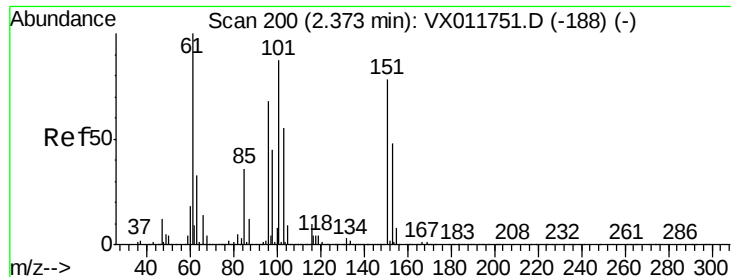


#8

Diethyl Ether
Concen: 5.913 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.370 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

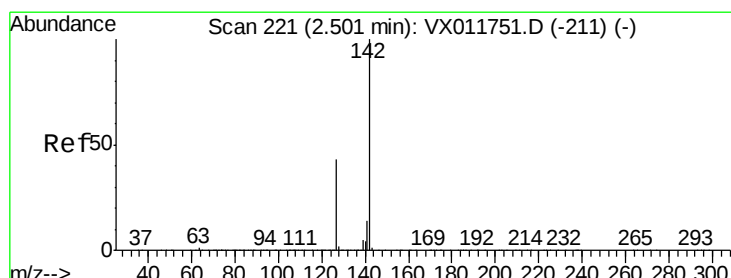
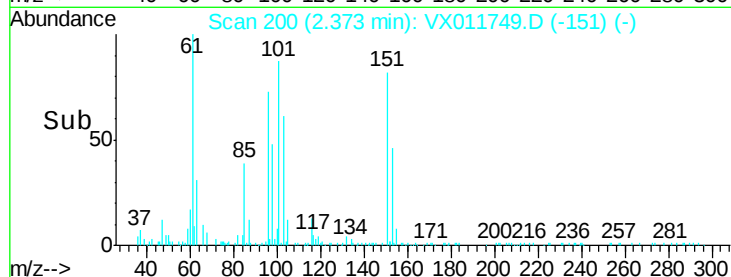
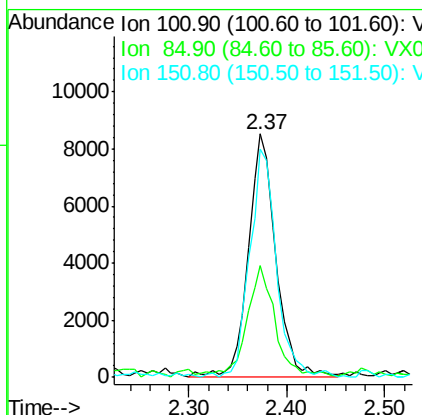
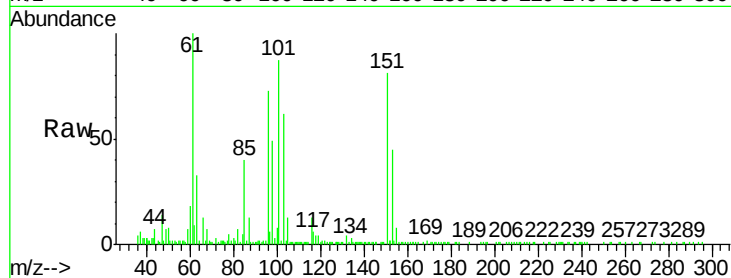
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16768
Ion Ratio	Lower	Upper	
101	100		
85	45.7	33.7	50.5
151	89.6	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#10

Methyl Iodide

Concen: 3.706 ug/l

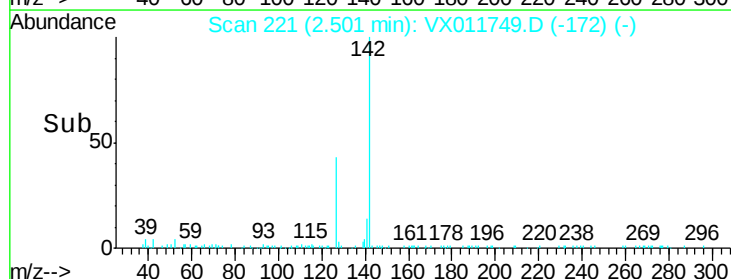
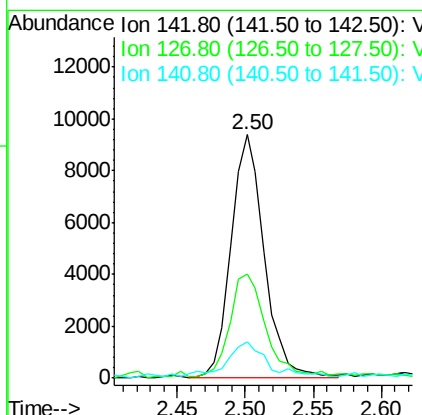
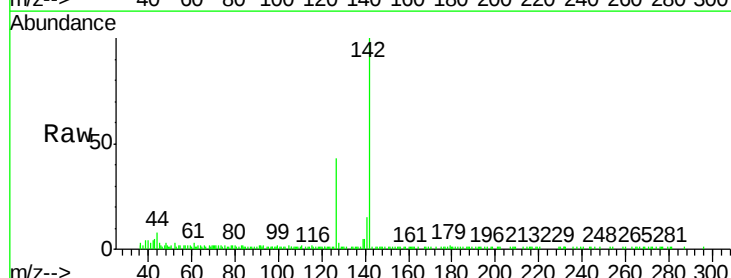
RT: 2.50 min Scan# 221

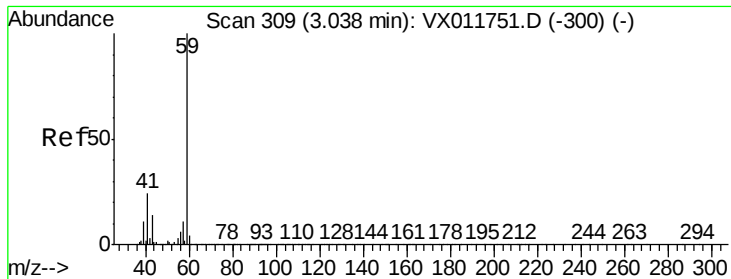
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	142	Resp:	16040
Ion Ratio	Lower	Upper	
142	100		
127	45.6	33.5	50.3
141	16.7	11.4	17.2





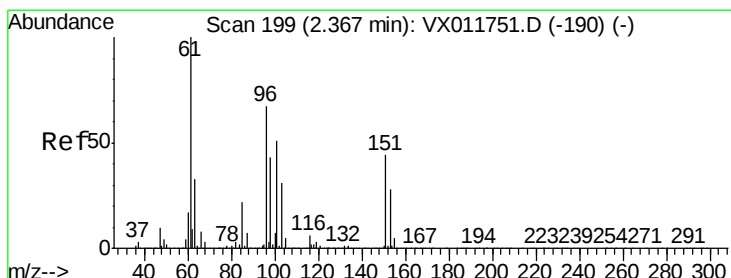
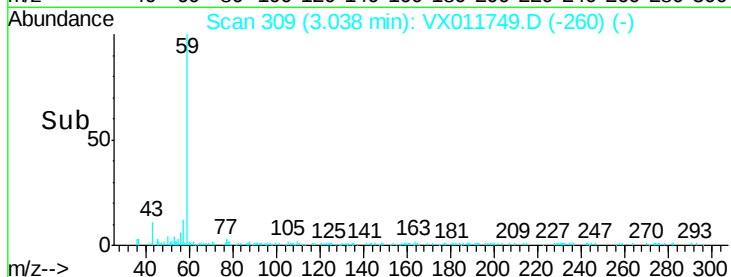
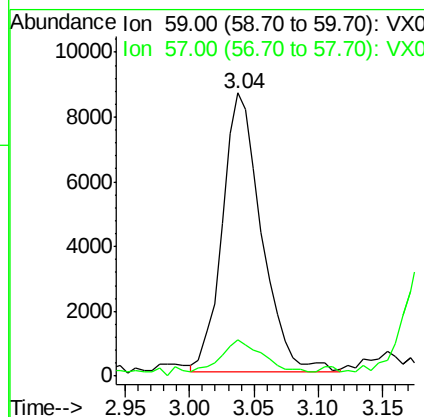
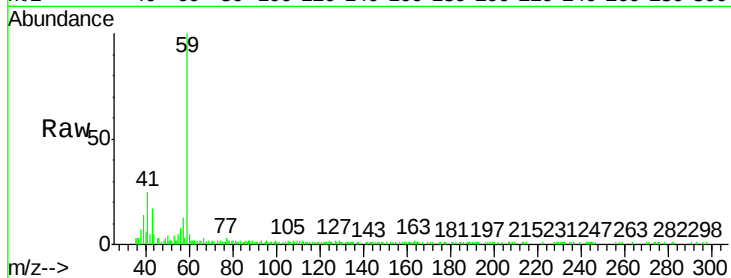
#11
Tert butyl alcohol
Concen: 22.990 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.9	8.4	12.6#

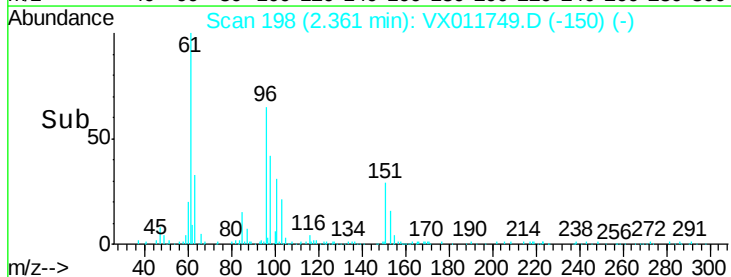
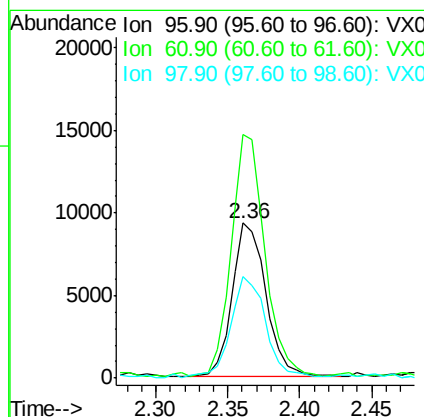
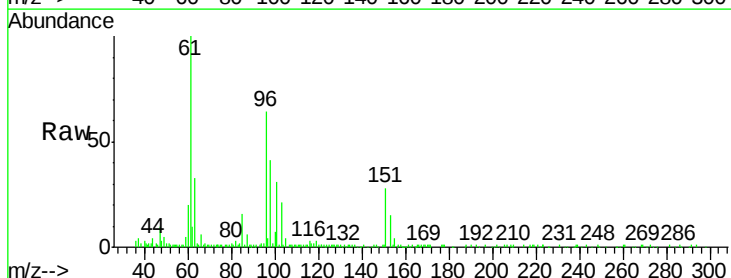
Manual Integrations
APPROVED

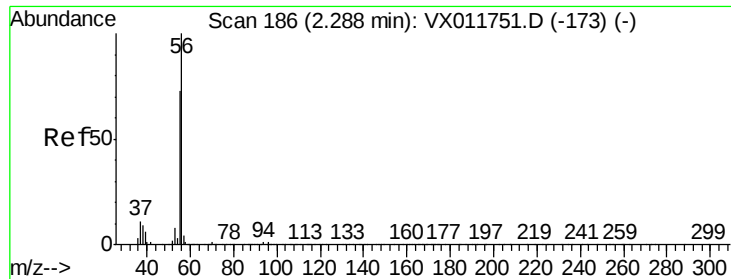
MMDadoda
8/23/2019 1:55:40 PM



#12
1,1-Dichloroethene
Concen: 5.052 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	119.4	179.2
98	64.3	51.2	76.8





#13

Acrolein

Concen: 28.657 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7770

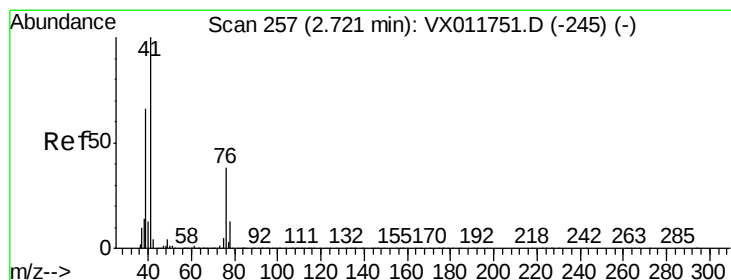
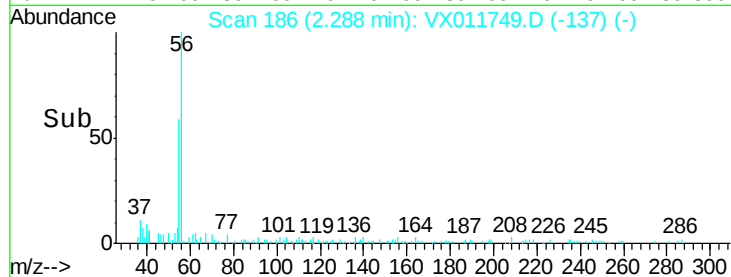
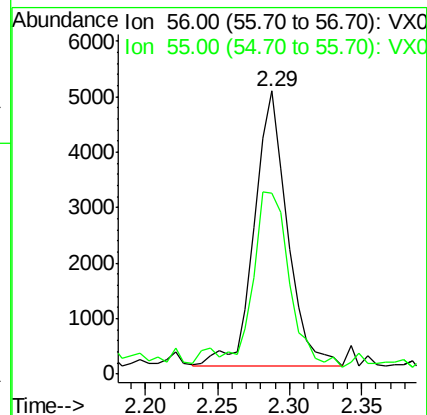
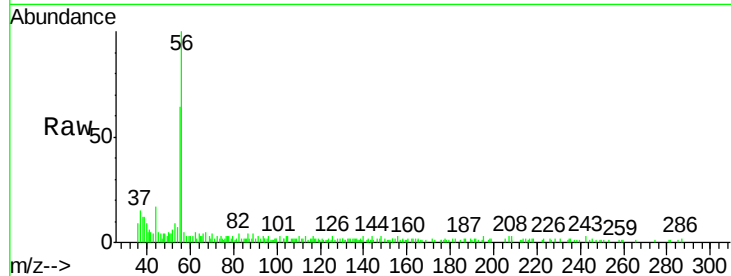
Ion Ratio Lower Upper

56 100

55 70.2 54.8 82.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#14

Allyl chloride

Concen: 4.718 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

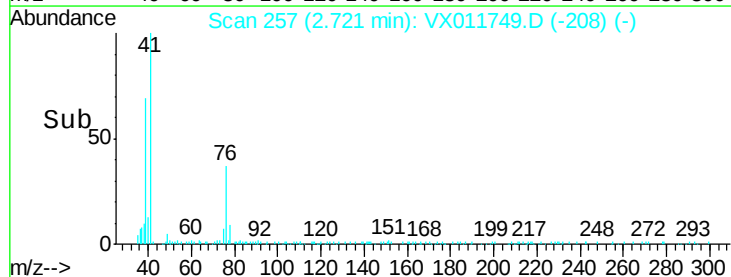
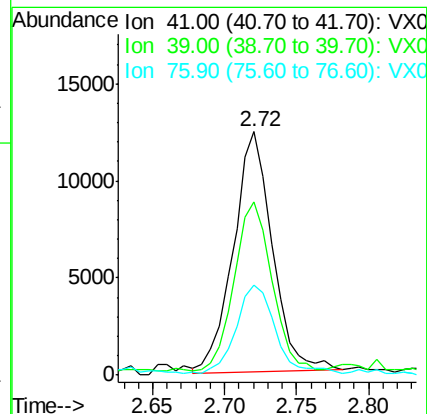
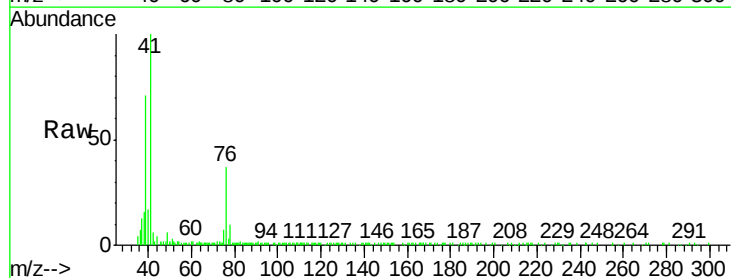
Tgt Ion: 41 Resp: 23545

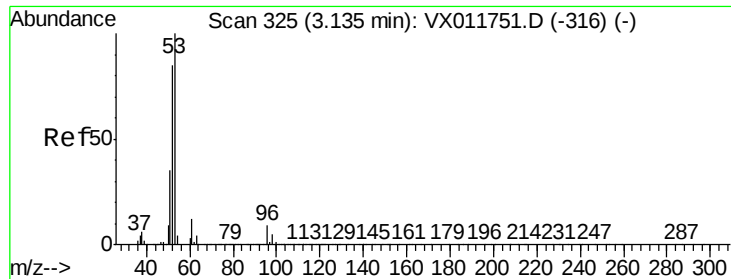
Ion Ratio Lower Upper

41 100

39 67.2 49.3 73.9

76 36.0 26.8 40.2





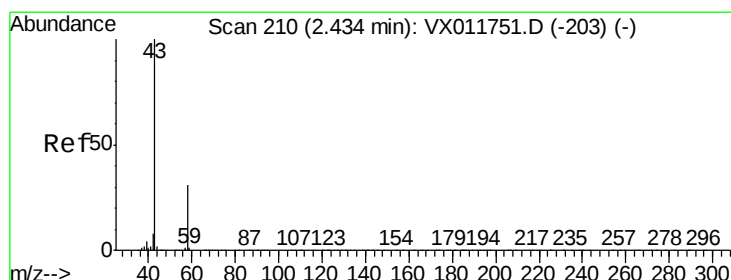
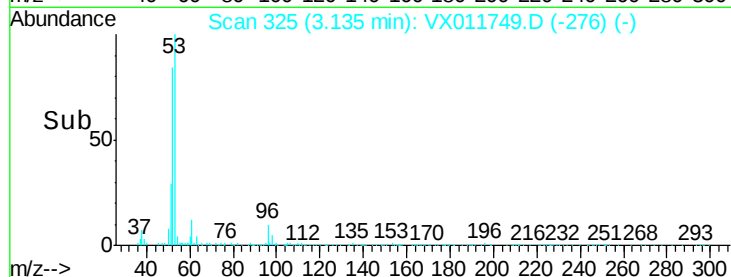
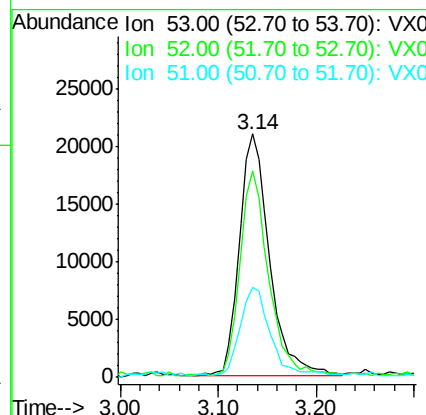
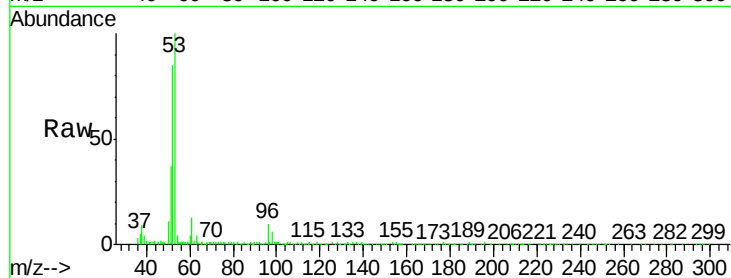
#15
 Acrylonitrile
 Concen: 24.678 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	45060
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.7	98.5
51	35.8	28.6	43.0

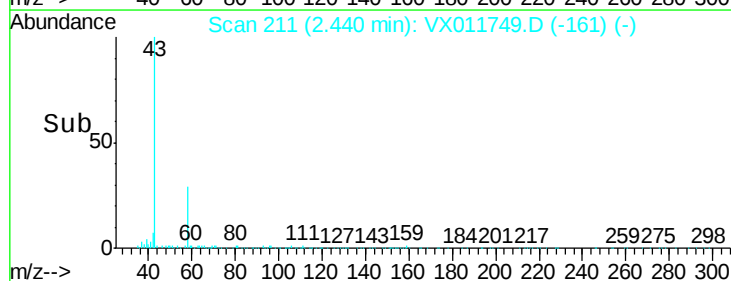
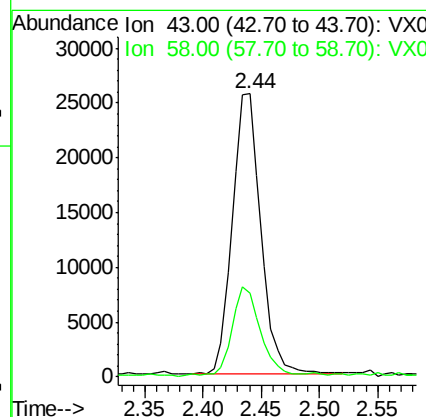
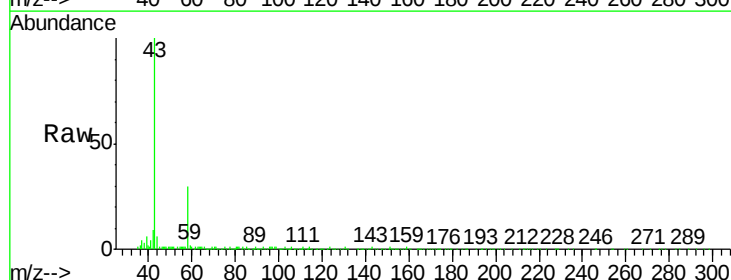
Manual Integrations
 APPROVED

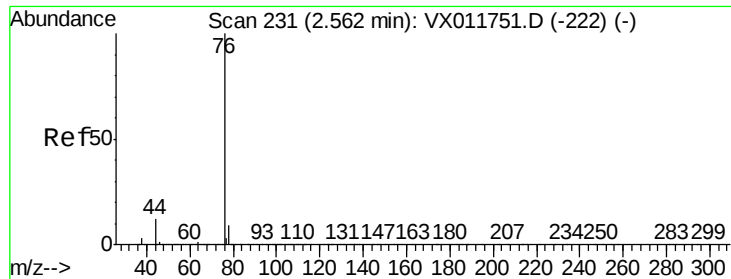
MMDadoda
 8/23/2019 1:55:40 PM



#16
 Acetone
 Concen: 26.452 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. 0.01 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Tgt Ion:	43	Resp:	43814
Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.4	36.6





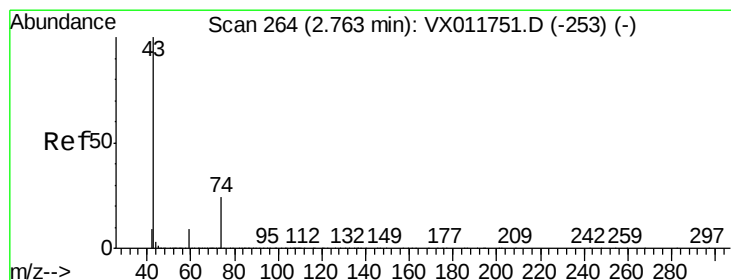
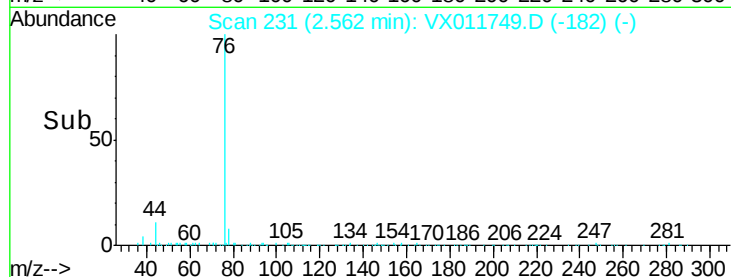
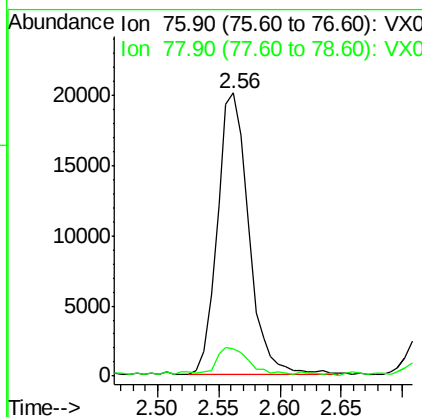
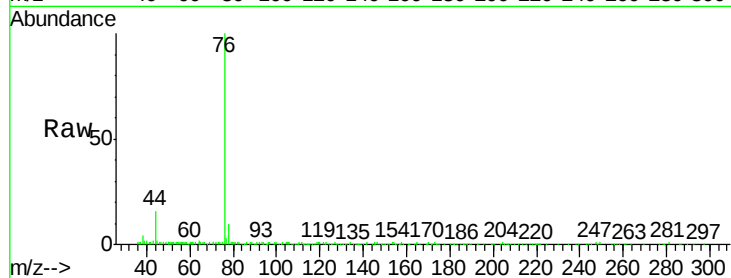
#17
Carbon Disulfide
Concen: 4.951 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

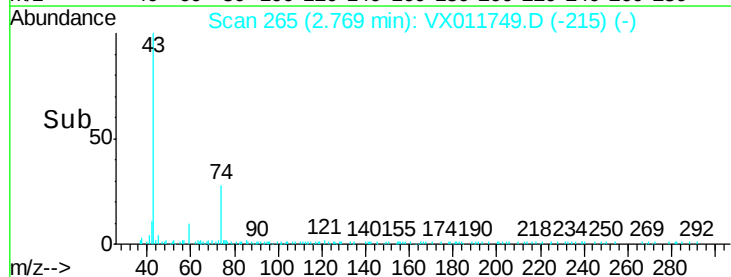
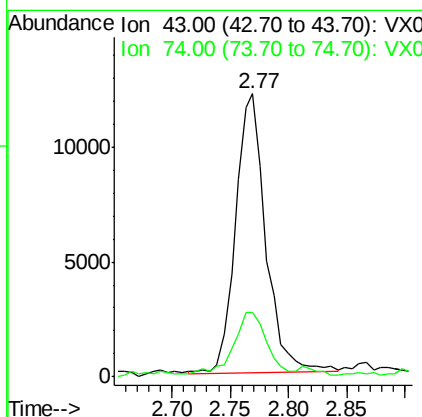
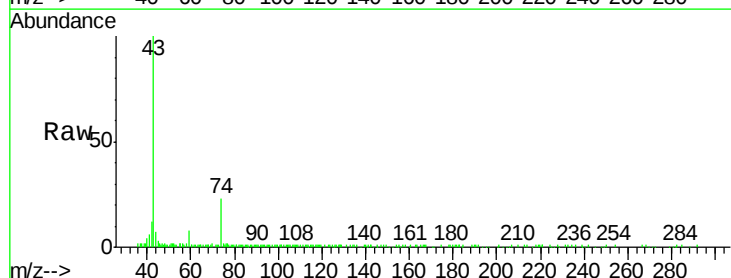
Manual Integrations
APPROVED

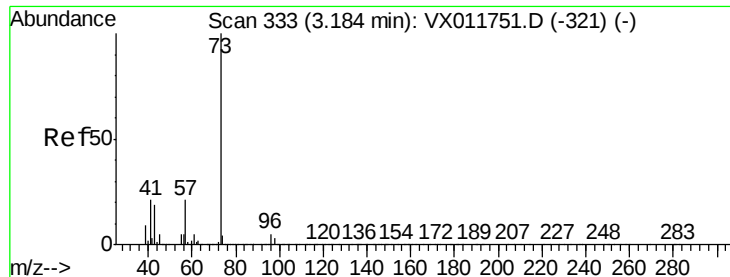
MMDadoda
8/23/2019 1:55:40 PM



#18
Methyl Acetate
Concen: 4.333 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.5	29.3





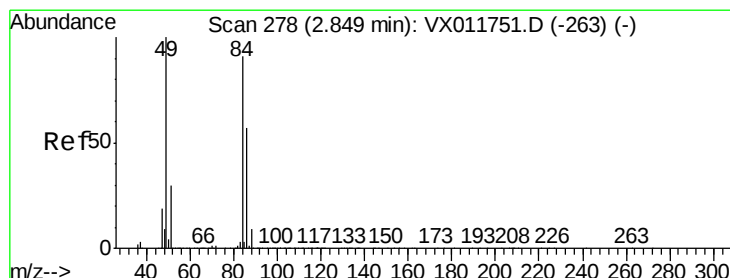
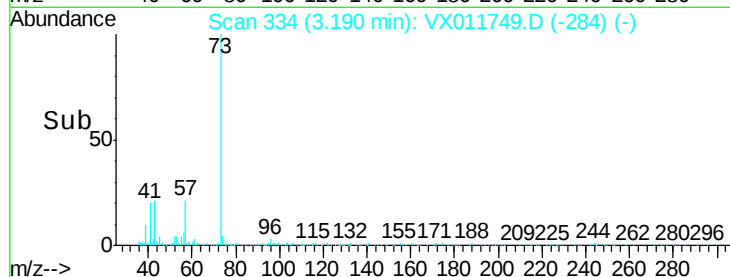
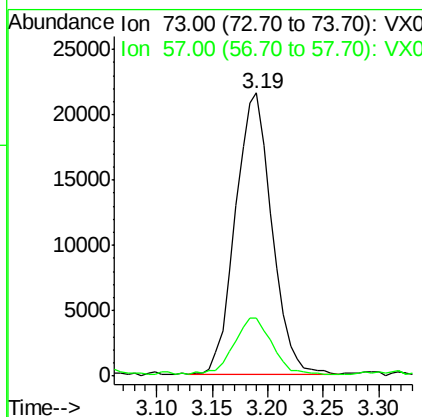
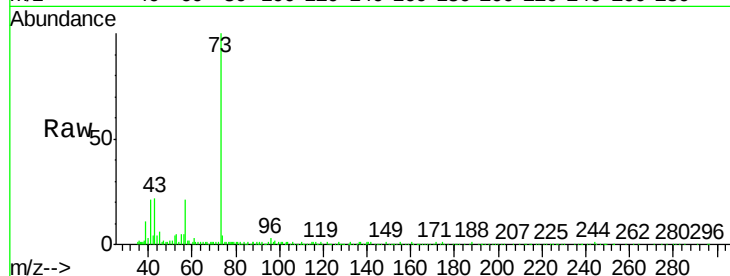
#19
Methvl tert-butvl Ether
Concen: 4.973 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	16.4	24.6

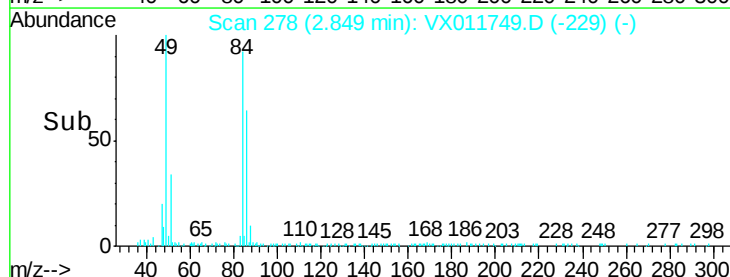
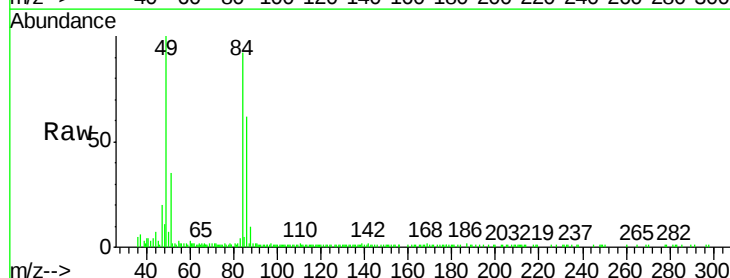
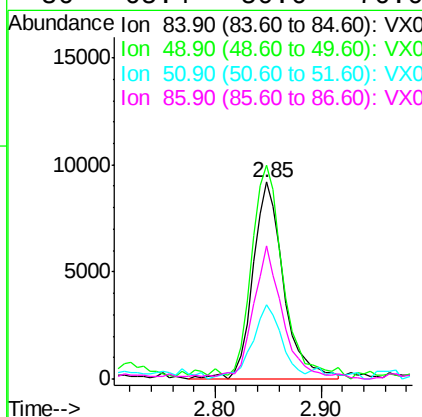
Manual Integrations
APPROVED

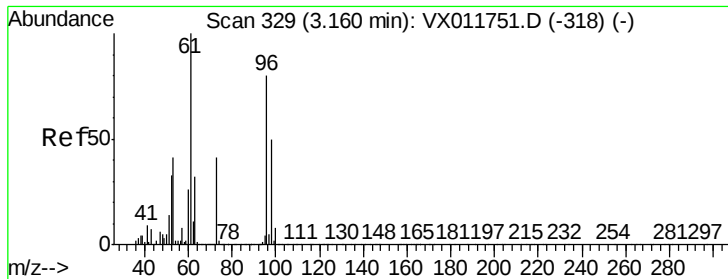
MMDadoda
8/23/2019 1:55:40 PM



#20
Methylene Chloride
Concen: 5.378 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.4	88.3	132.5
51	35.6	26.2	39.2
86	65.4	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 5.434 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

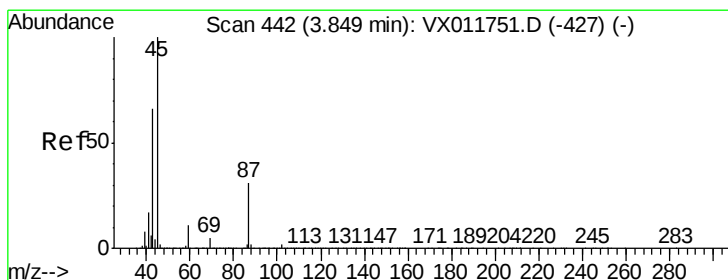
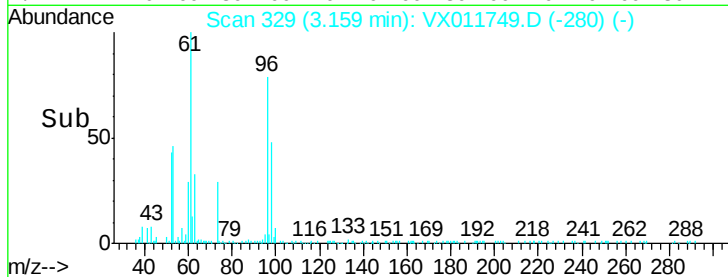
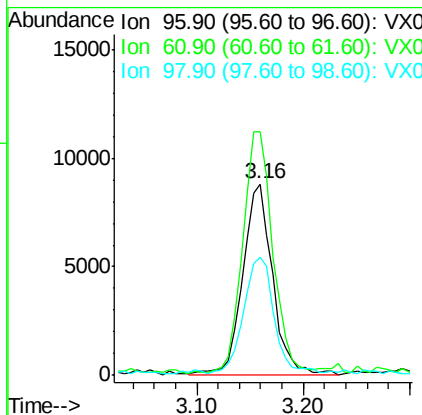
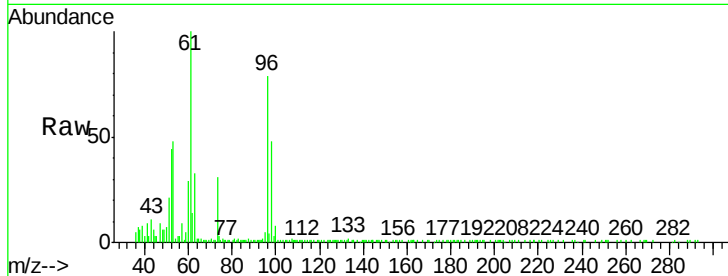
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	17442
Ion	Ratio	Lower	Upper
96	100		
61	124.2	99.8	149.8
98	59.8	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#22

Diisopropyl ether

Concen: 4.856 ug/l

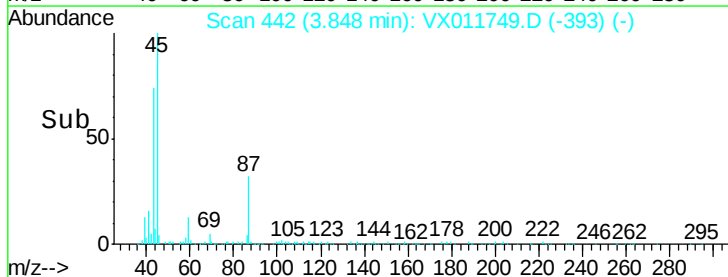
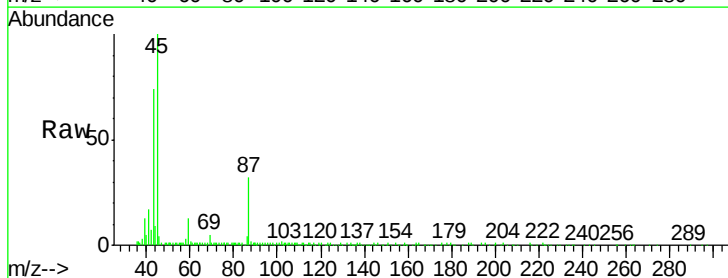
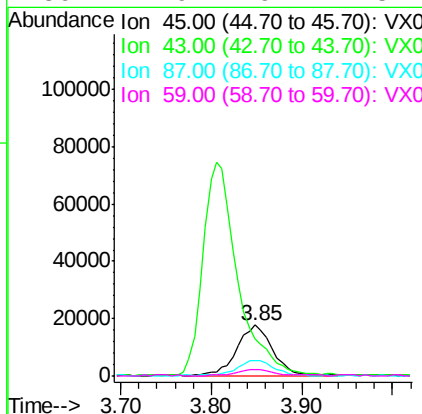
RT: 3.85 min Scan# 442

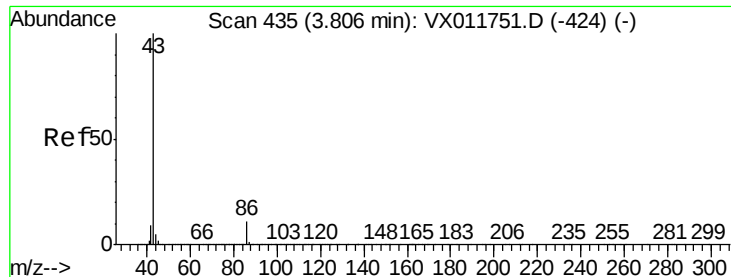
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	45	Resp:	47749
Ion	Ratio	Lower	Upper
45	100		
43	71.3	53.0	79.6
87	30.7	24.7	37.1
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 25.420 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 199433

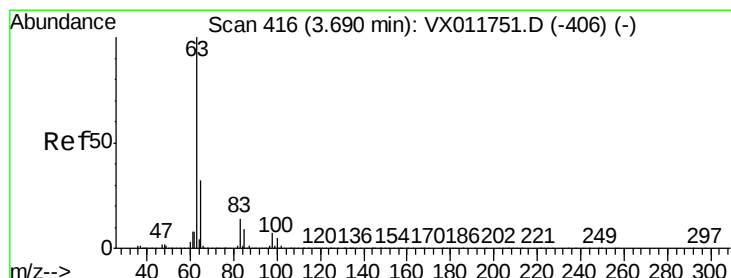
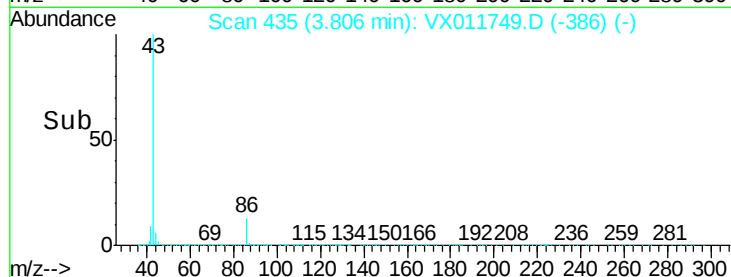
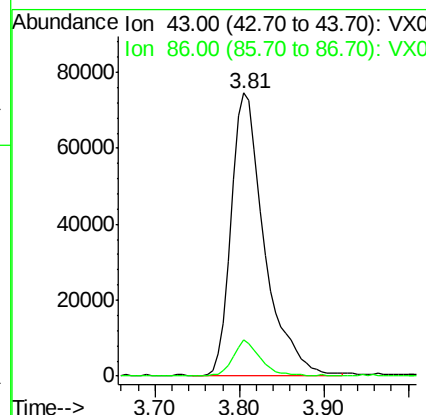
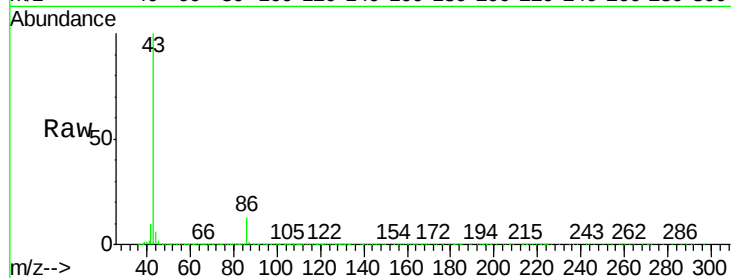
Ion Ratio Lower Upper

43 100

86 12.7 9.2 13.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#24

1,1-Dichloroethane

Concen: 5.091 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

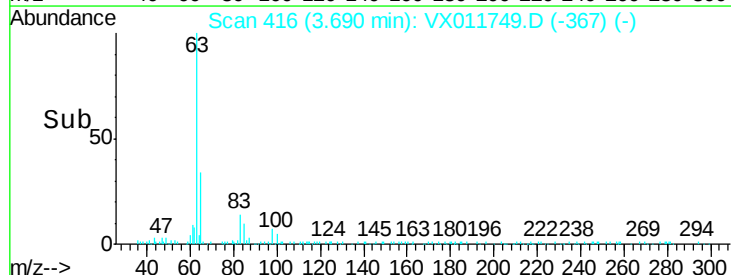
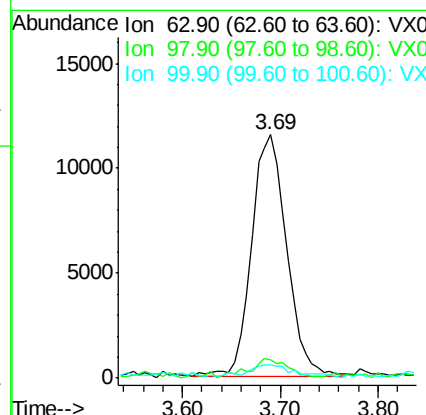
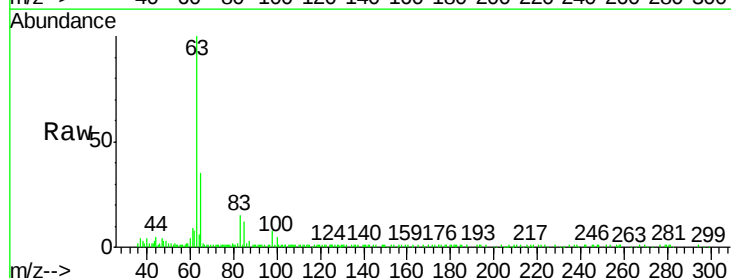
Tgt Ion: 63 Resp: 28613

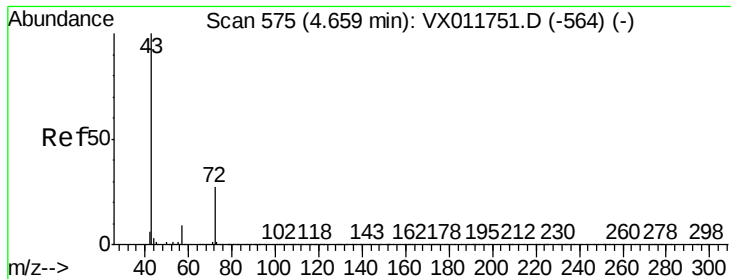
Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 5.2 2.3 6.9





#25

2-Butanone

Concen: 24.899 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

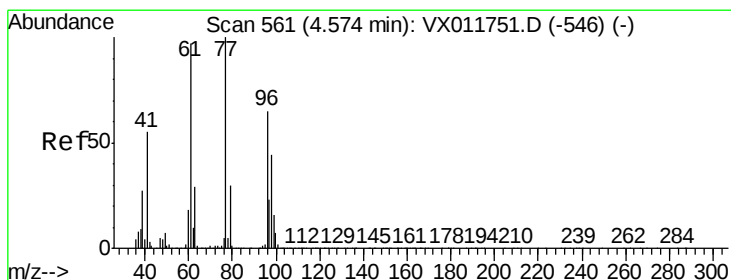
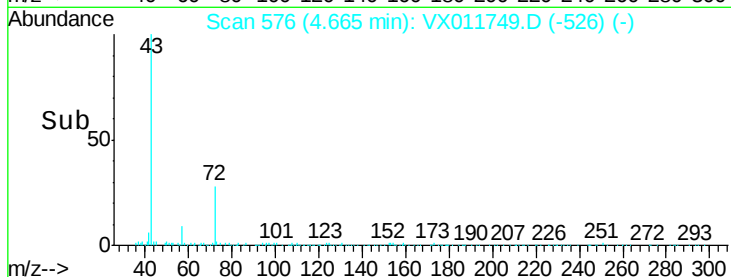
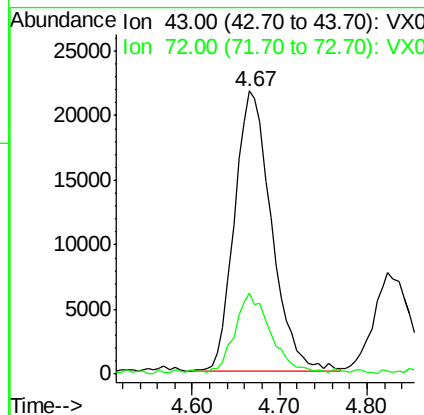
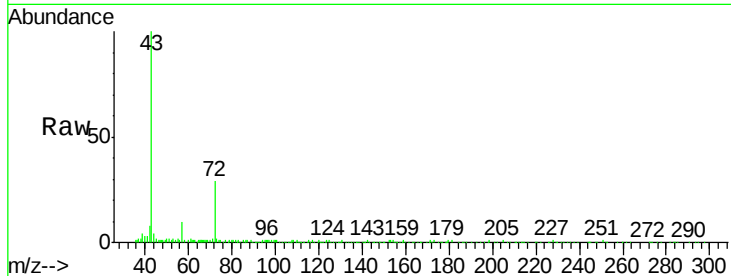
ClientSampleId :

VSTDIC005

Tot Ion	43	Resp	63425
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.8	32.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#26

2,2-Dichloropropane

Concen: 5.473 ug/l

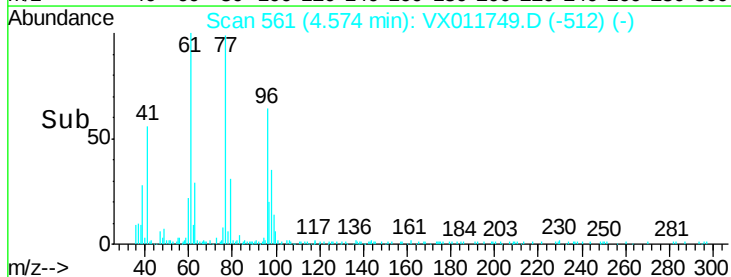
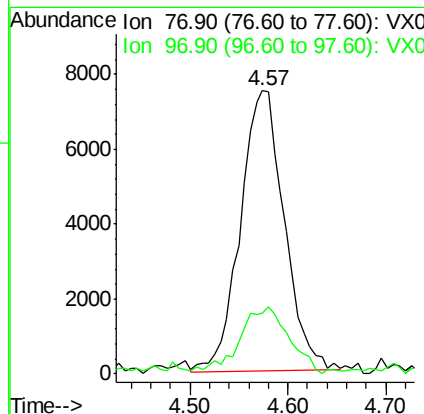
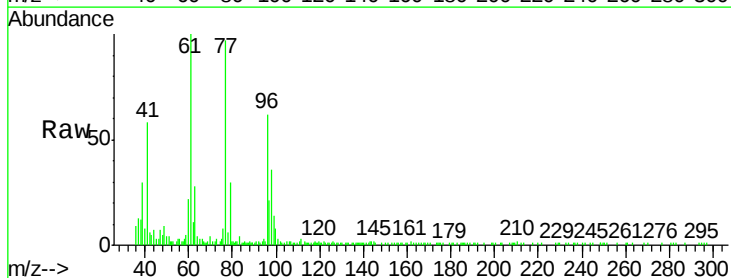
RT: 4.57 min Scan# 561

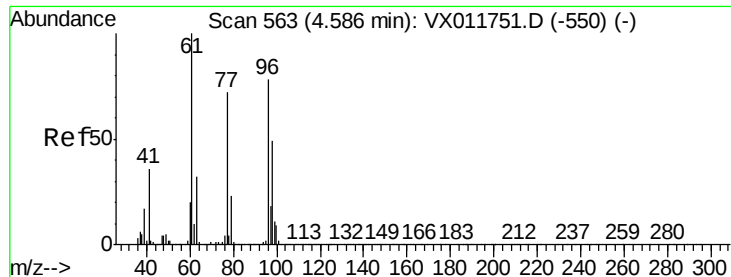
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion	77	Resp	23504
Ion	Ratio	Lower	Upper
77	100		
97	27.0	12.2	36.6





#27

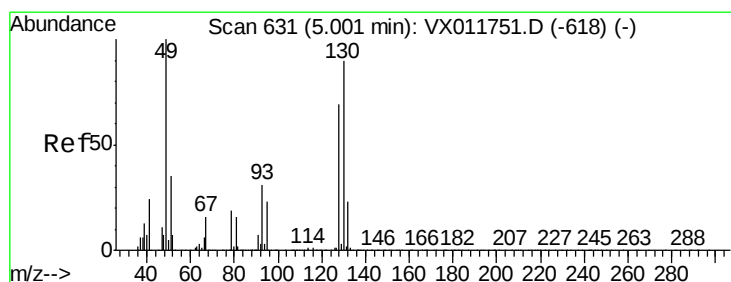
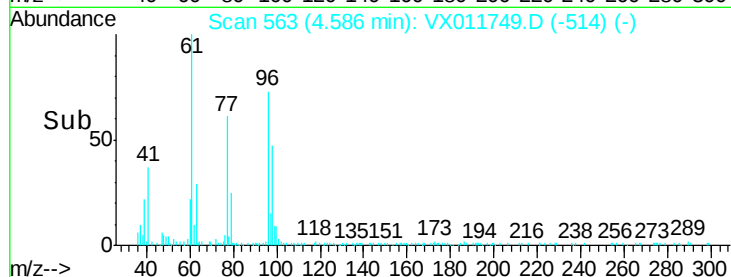
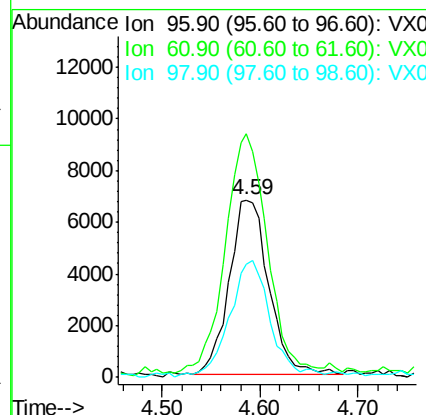
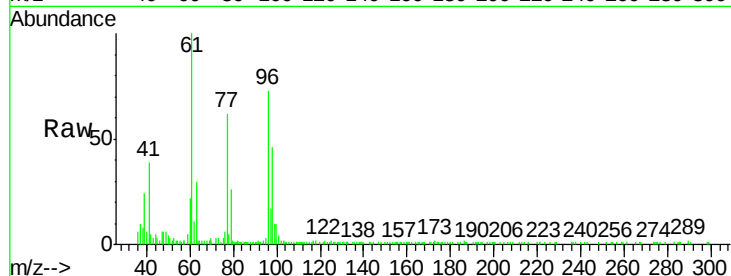
cis-1,2-Dichloroethene
Concen: 5.151 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	275.8
98	67.1	0.0	128.2

Manual Integrations
APPROVED

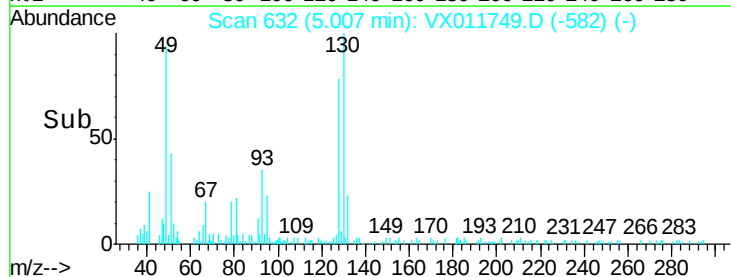
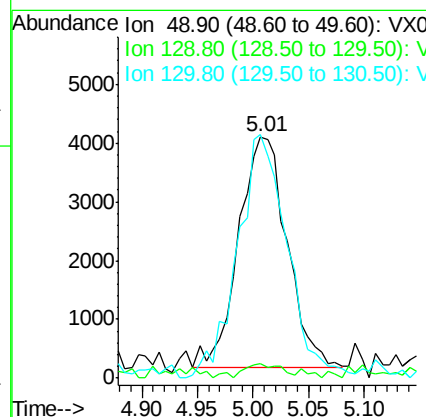
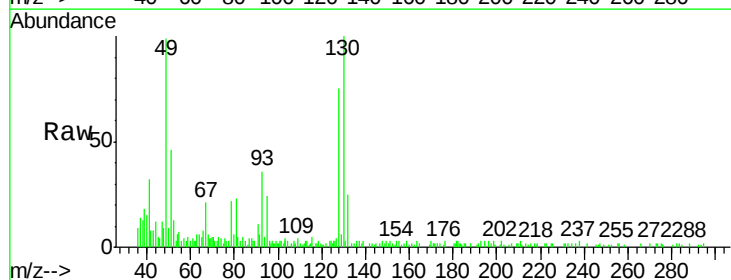
MMDadoda
8/23/2019 1:55:40 PM

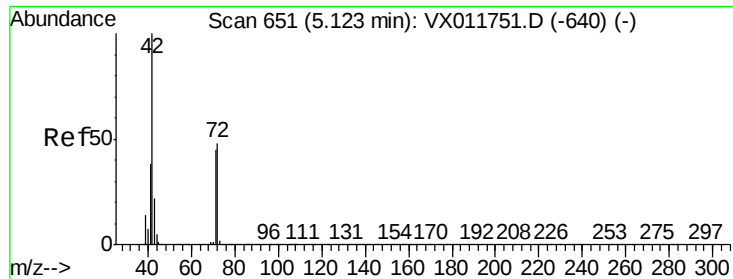


#28

Bromochloromethane
Concen: 4.756 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.7	0.0	5.8
130	109.4	76.8	115.2





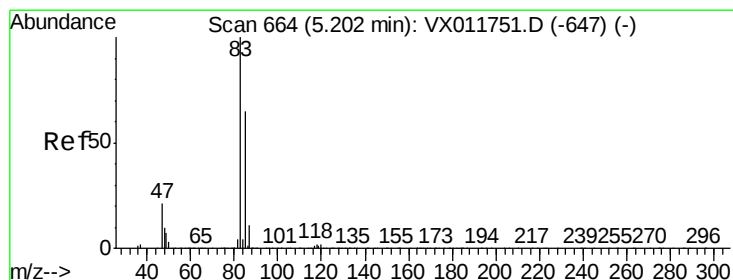
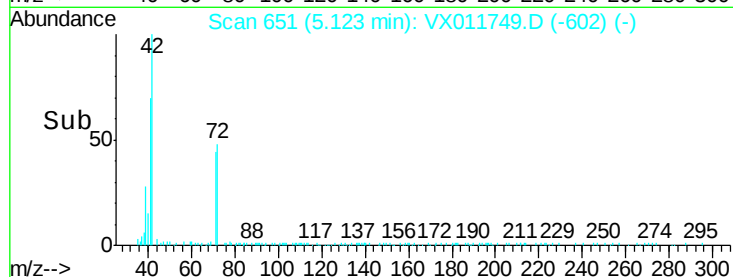
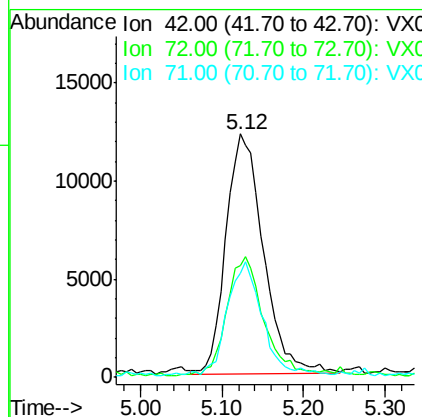
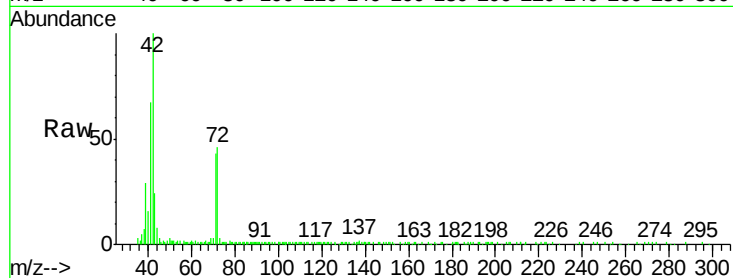
#29
Tetrahydrofuran
Concen: 23.228 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	38872
Ion Ratio	Lower	Upper	
42	100		
72	48.3	37.6	56.4
71	45.8	34.6	51.8

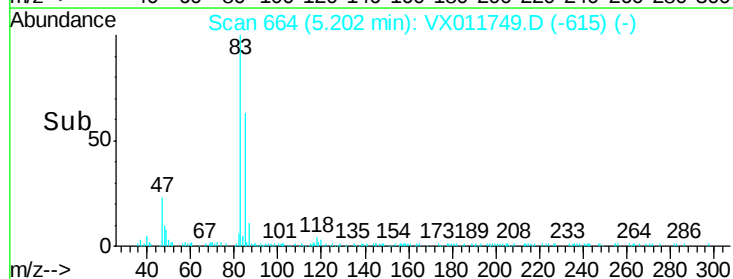
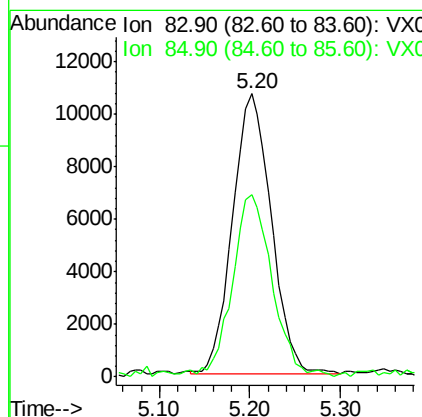
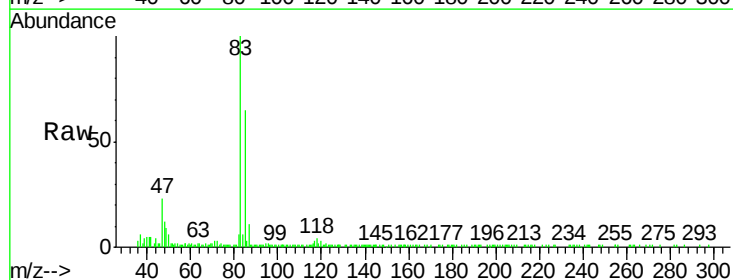
Manual Integrations
APPROVED

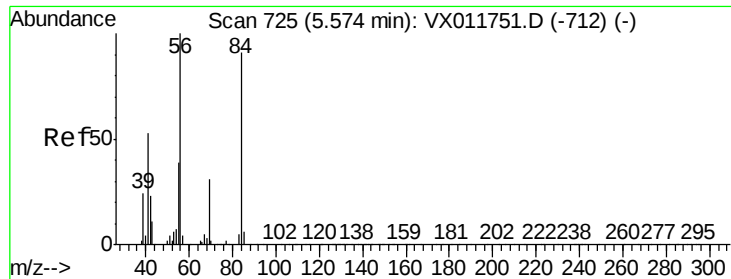
MMDadoda
8/23/2019 1:55:40 PM



#30
Chloroform
Concen: 5.314 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion:	83	Resp:	31544
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.8	77.8





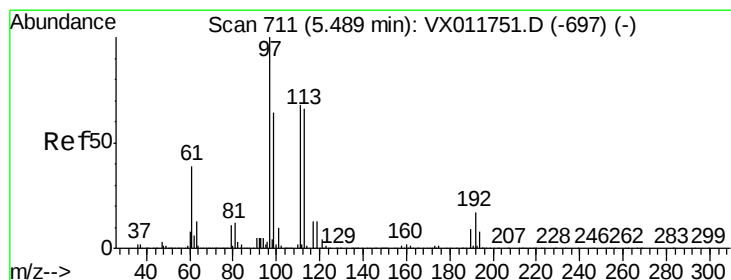
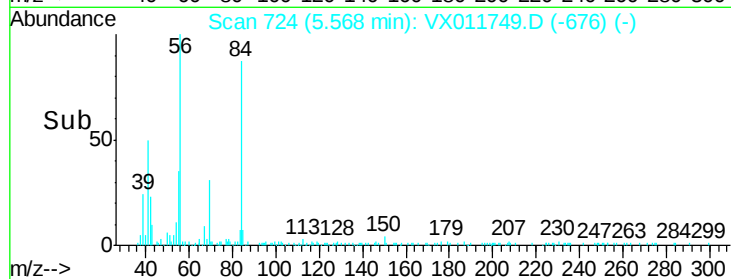
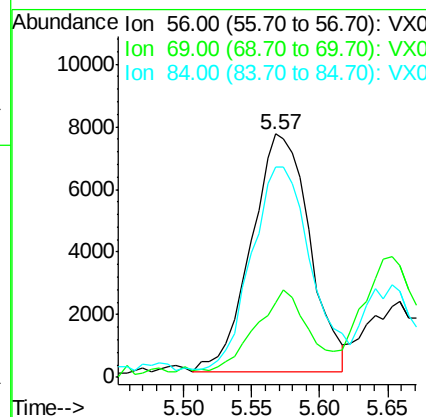
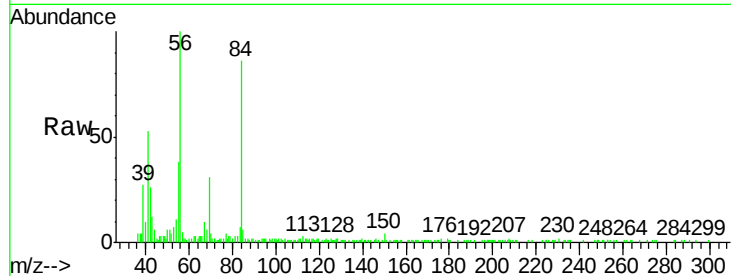
#31
Cyclohexane
Concen: 4.672 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.5	36.7
84	85.5	72.7	109.1

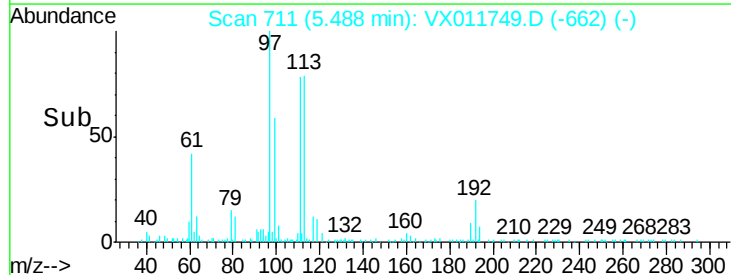
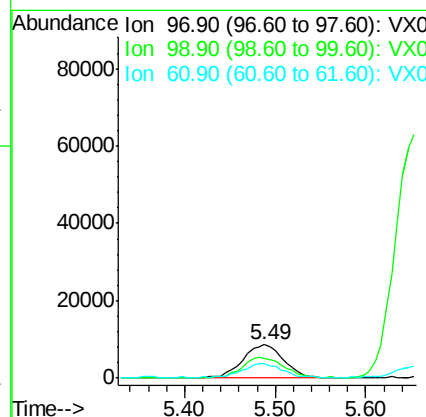
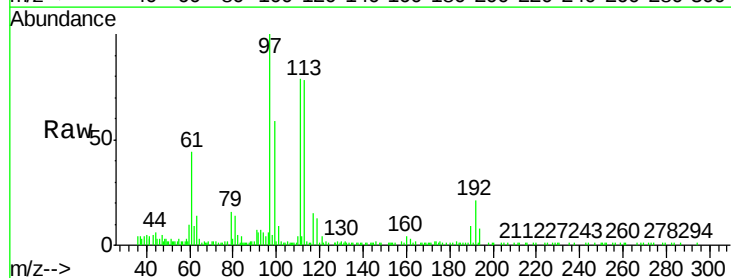
Manual Integrations
APPROVED

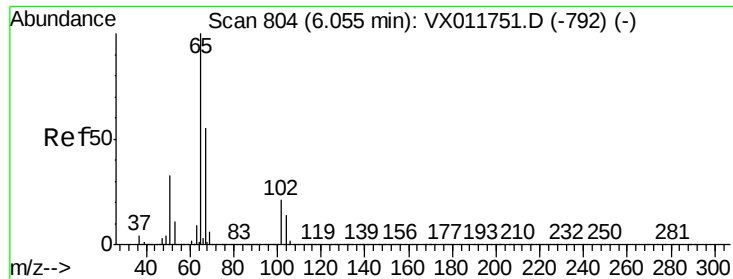
MMDadoda
8/23/2019 1:55:40 PM



#32
1,1,1-Trichloroethane
Concen: 5.177 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	42.8	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 6.346 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 21603

Ion Ratio Lower Upper

65 100

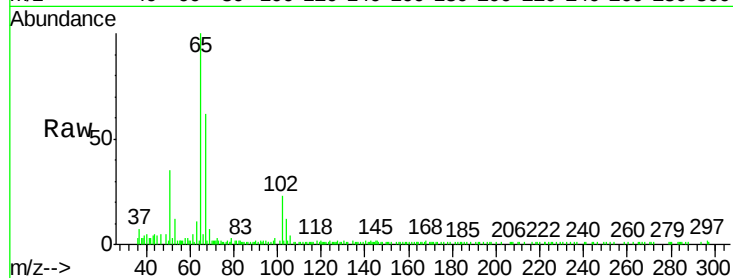
67 52.7 0.0 107.8

Manual Integrations

APPROVED

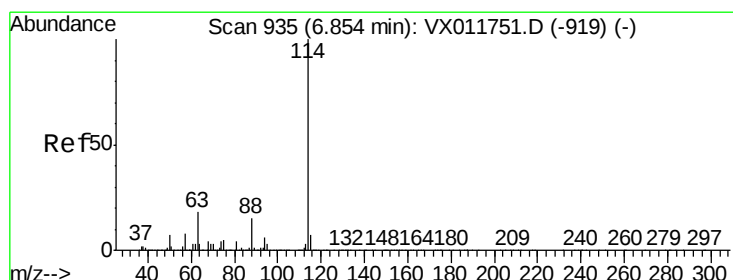
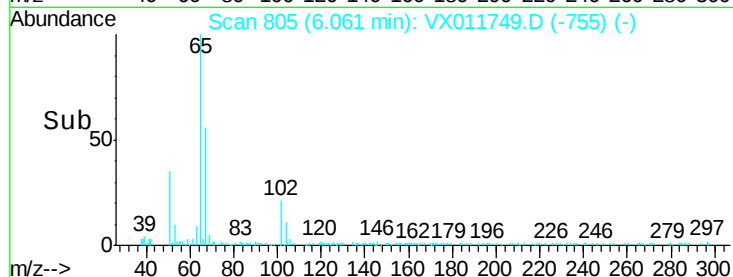
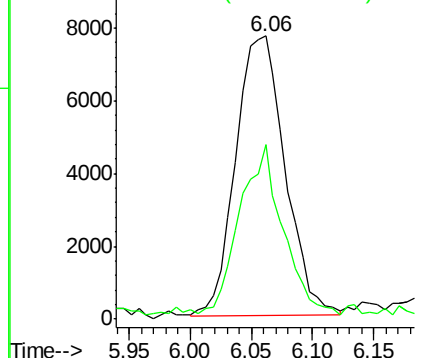
MMDadoda

8/23/2019 1:55:40 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

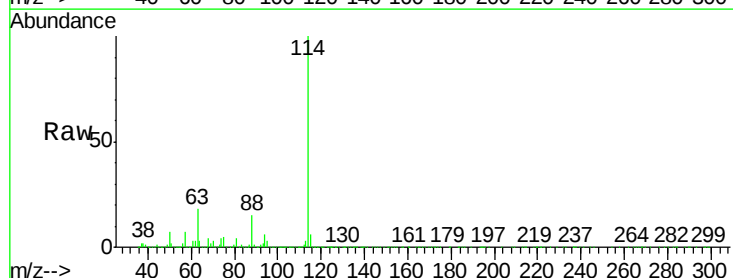
Tgt Ion: 114 Resp: 504581

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

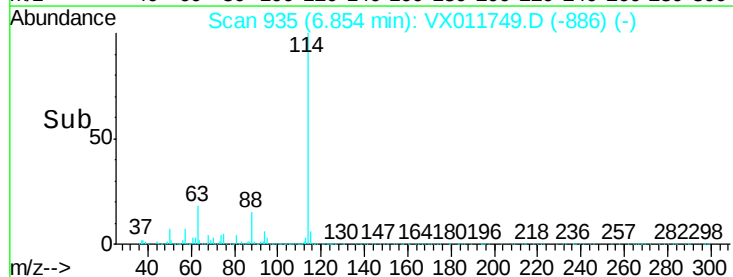
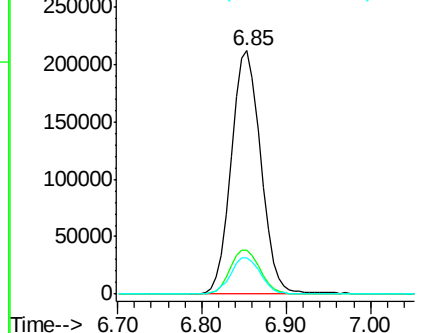
88 14.9 0.0 30.2

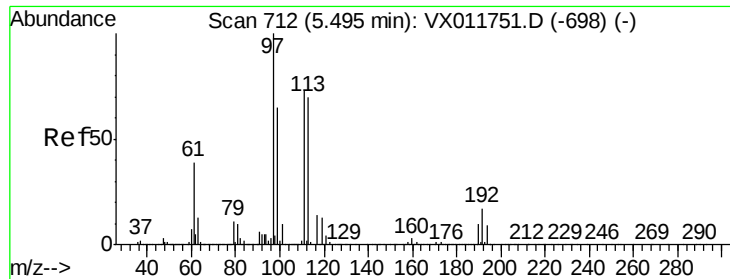


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 5.627 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

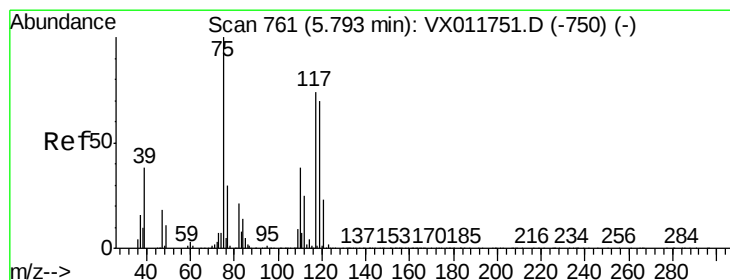
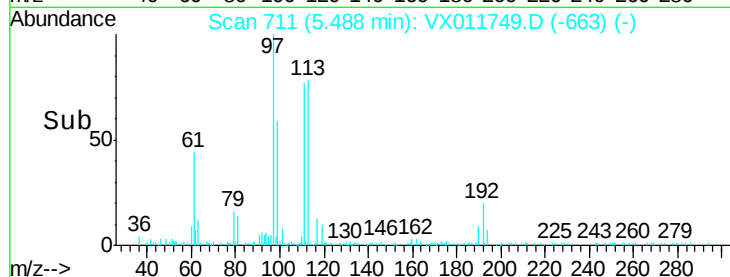
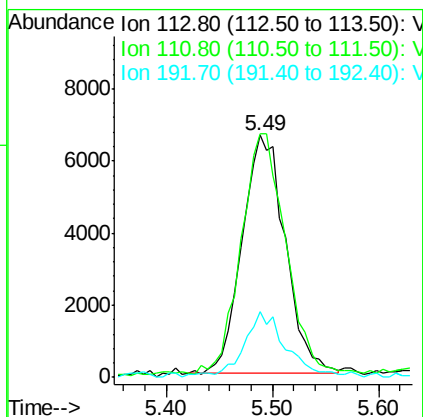
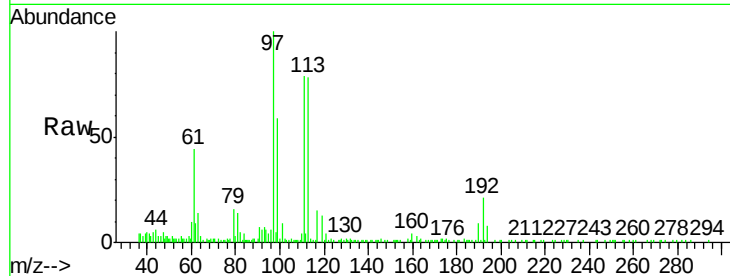
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	18814
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.0	121.4
192	27.5	19.9	29.9

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#36

1,1-Dichloropropene

Concen: 5.224 ug/l

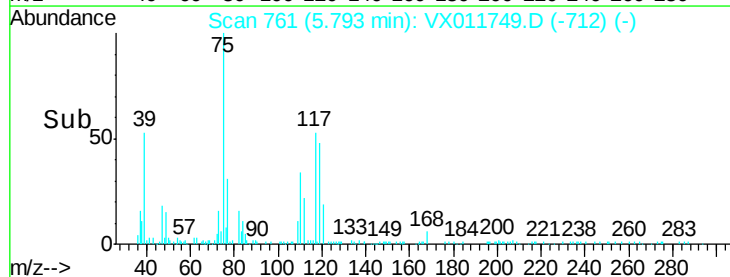
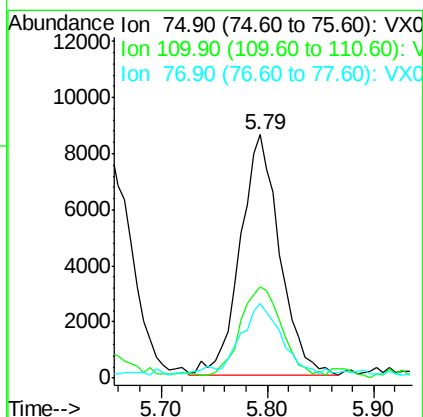
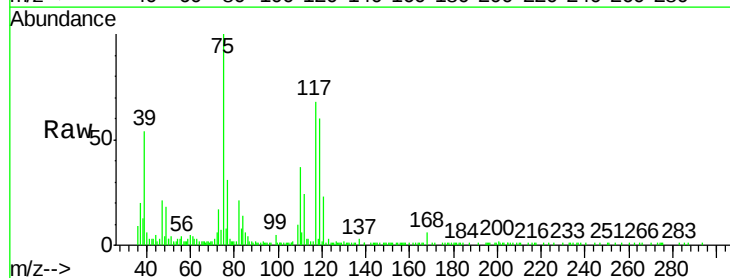
RT: 5.79 min Scan# 761

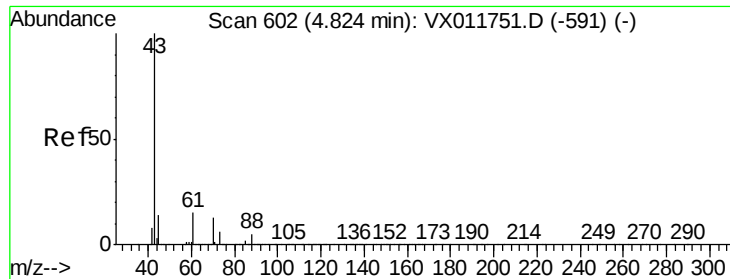
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	75	Resp:	22178
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.0	57.0
77	31.7	24.6	36.8





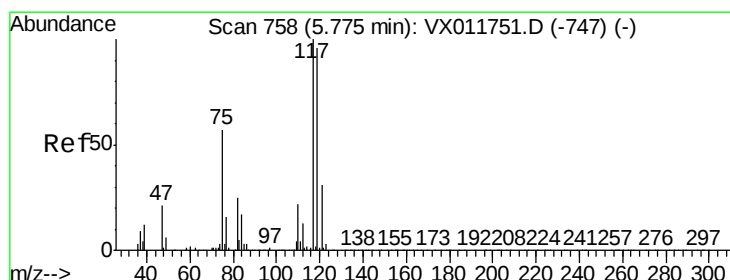
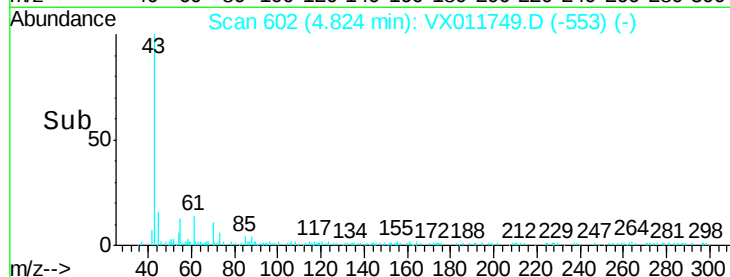
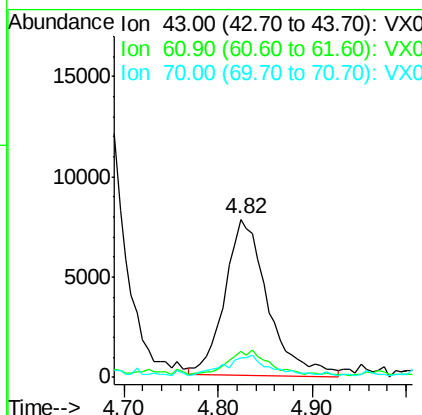
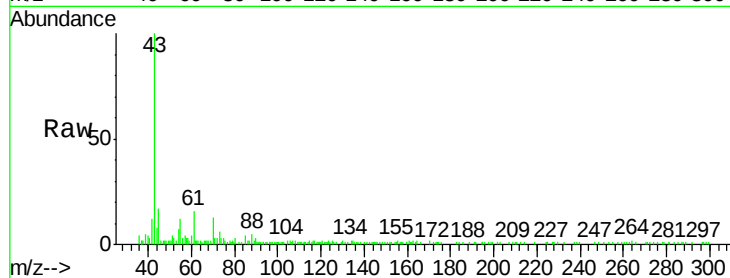
#37
Ethyl Acetate
Concen: 5.079 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	24663
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	12.9	9.5	14.3

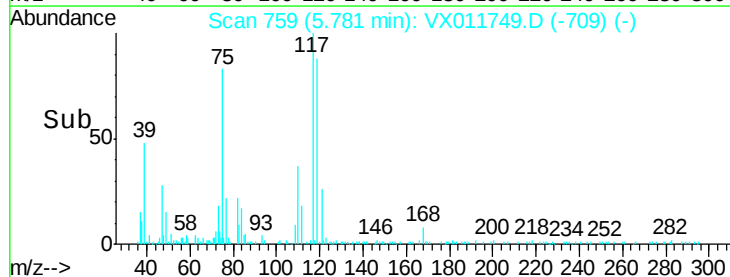
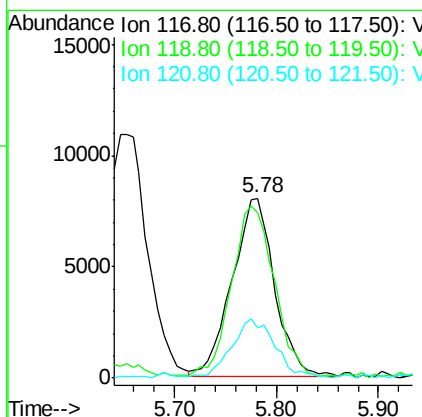
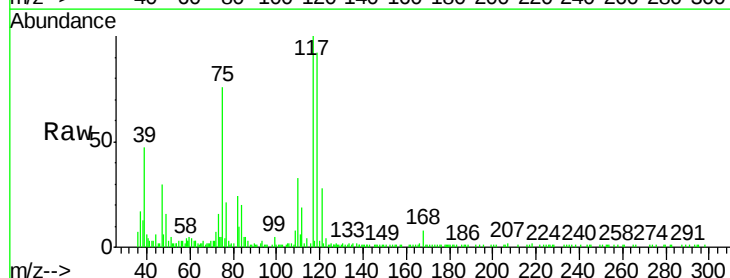
Manual Integrations
APPROVED

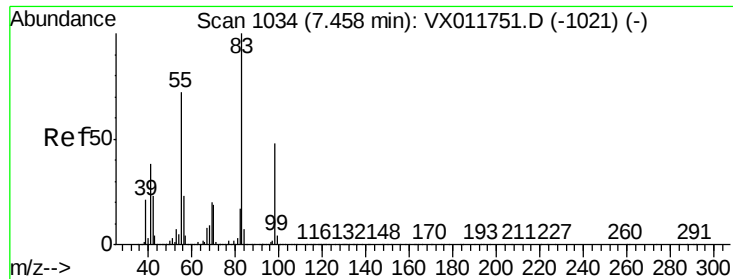
MMDadoda
8/23/2019 1:55:40 PM



#38
Carbon Tetrachloride
Concen: 4.890 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion:	117	Resp:	22947
Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.6	114.8
121	27.8	25.2	37.8





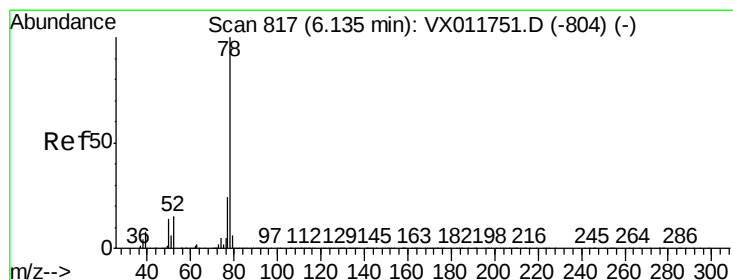
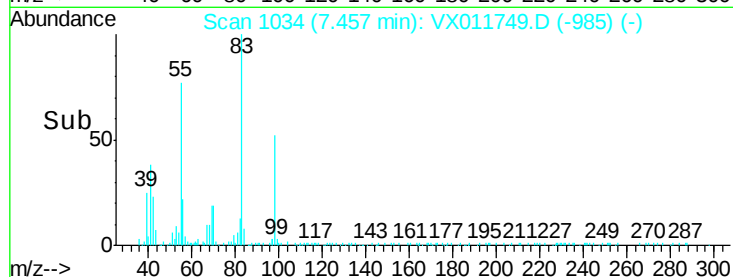
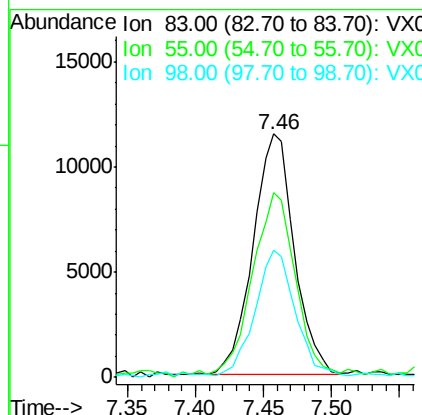
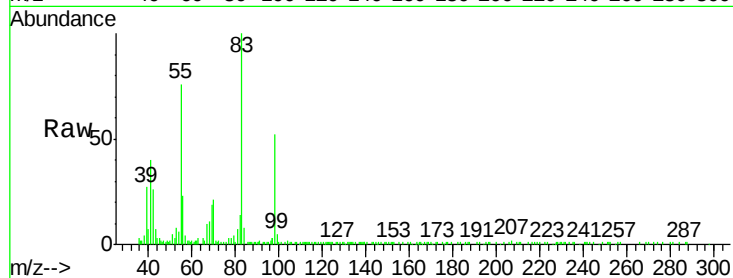
#39
Methvlcvclohexane
Concen: 4.582 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	57.8	86.6
98	51.9	38.6	58.0

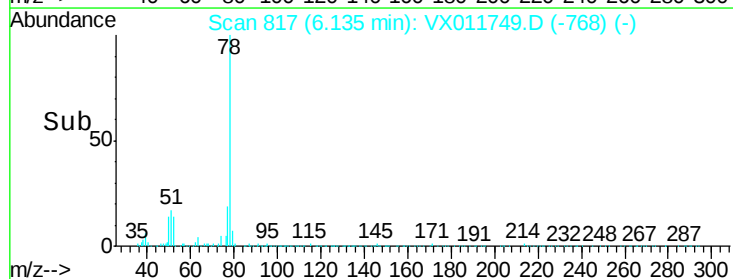
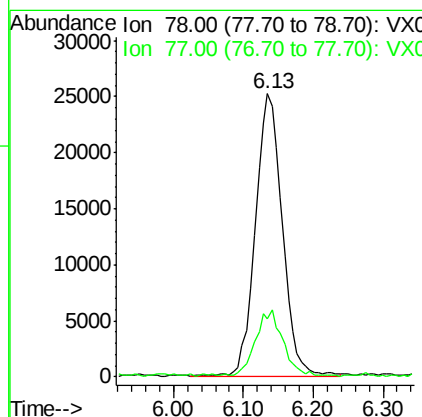
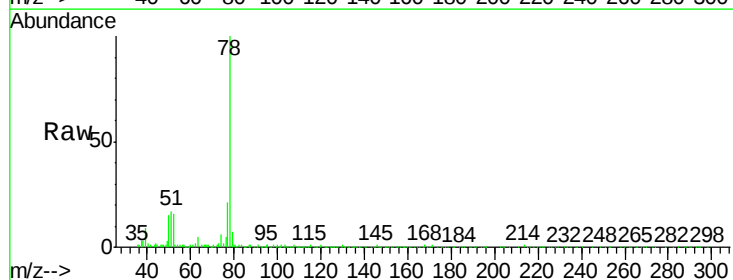
Manual Integrations
APPROVED

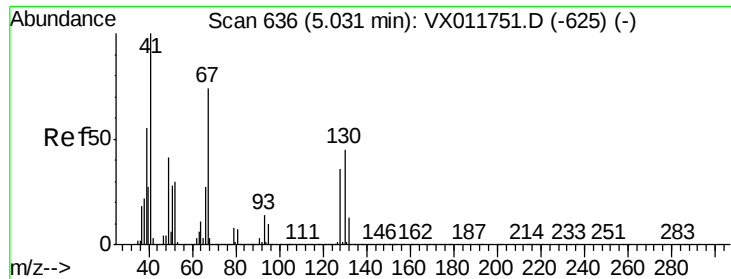
MMDadoda
8/23/2019 1:55:40 PM



#40
Benzene
Concen: 5.182 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.3	19.1	28.7





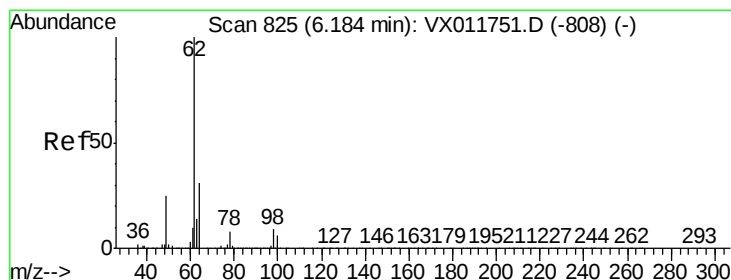
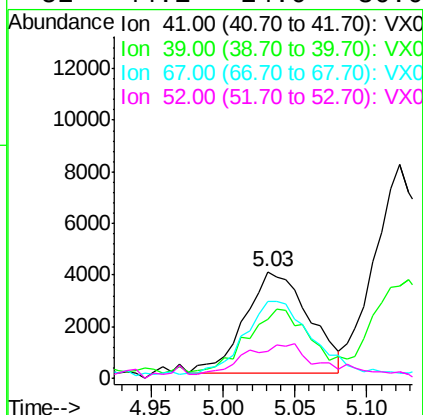
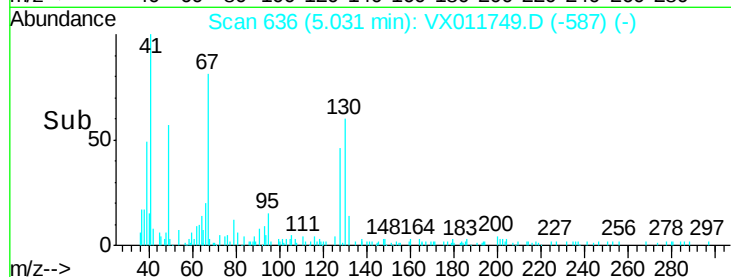
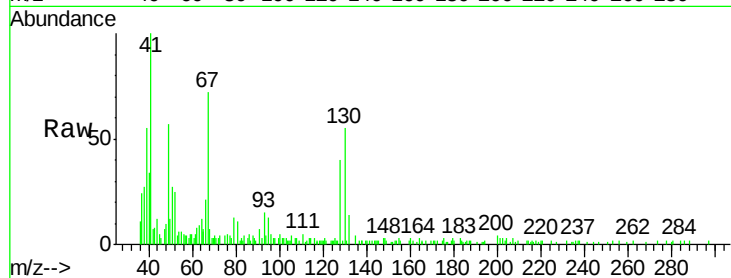
#41
Methacrylonitrile
Concen: 4.569 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	44.3	66.5
67	73.0	60.3	90.5
52	44.1	24.0	36.0

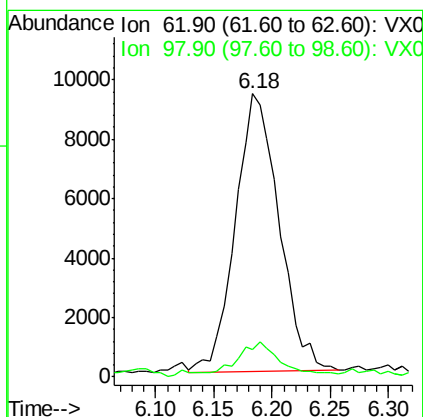
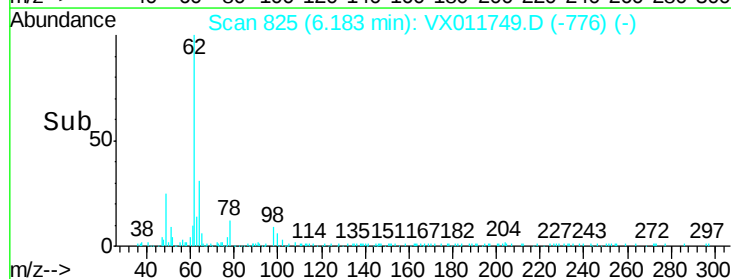
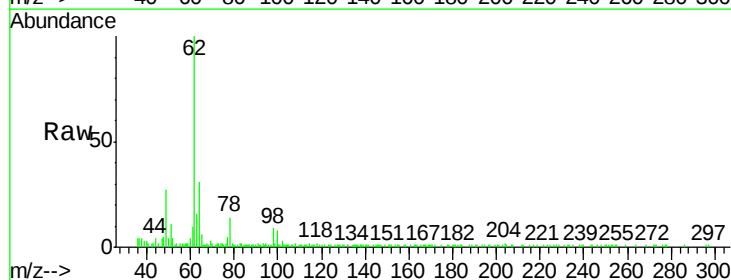
Manual Integrations
APPROVED

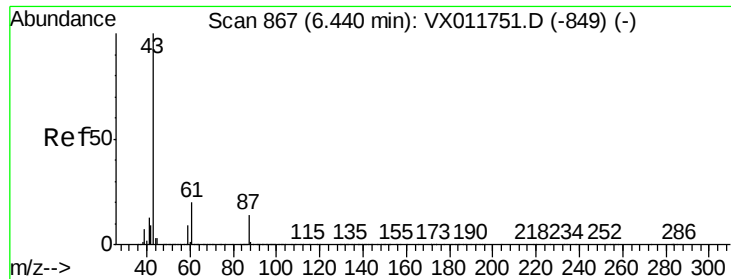
MMDadoda
8/23/2019 1:55:40 PM



#42
1,2-Dichloroethane
Concen: 5.293 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.8





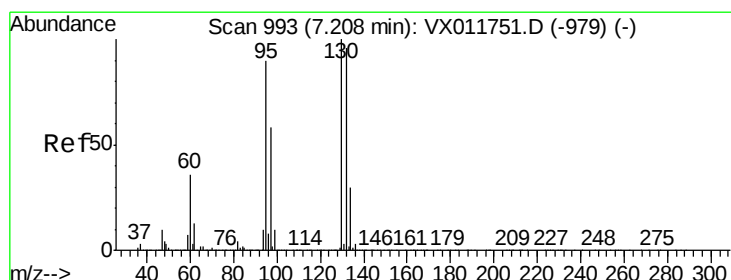
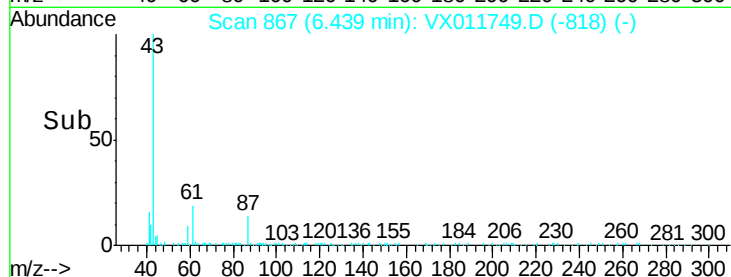
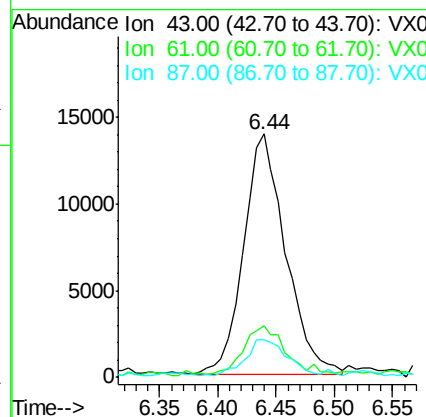
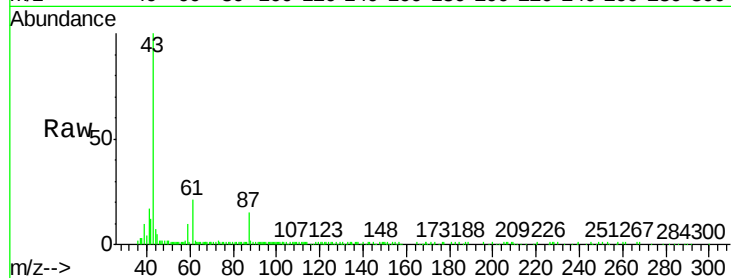
#43
Isopropyl Acetate
Concen: 4.577 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	34780
Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.2	24.2
87	14.2	11.6	17.4

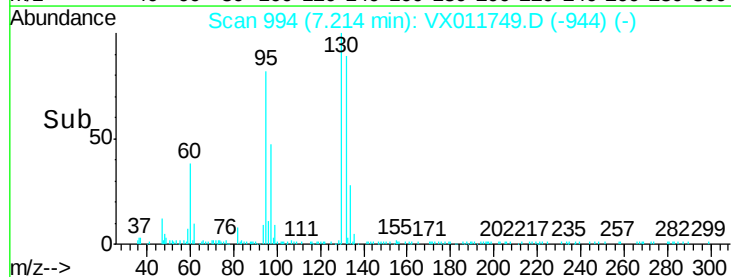
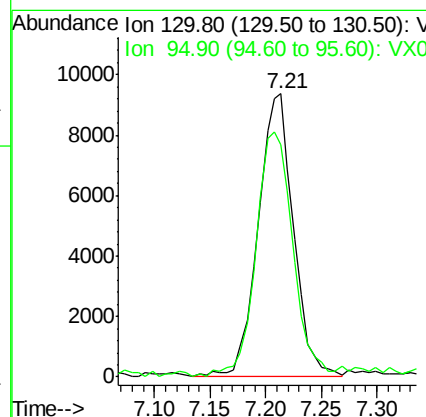
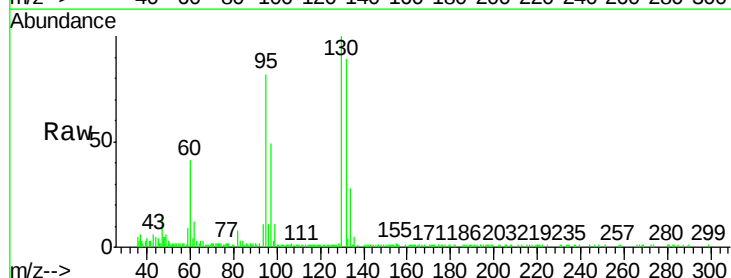
Manual Integrations
APPROVED

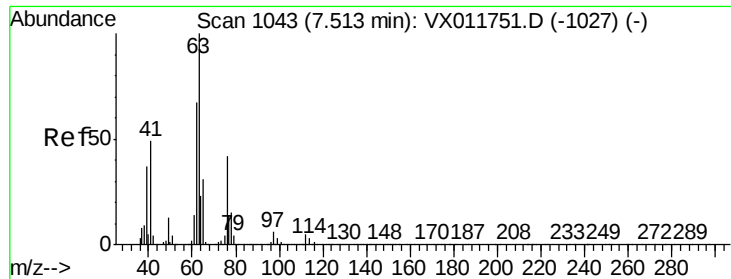
MMDadoda
8/23/2019 1:55:40 PM



#44
Trichloroethene
Concen: 5.251 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion:	130	Resp:	20703
Ion	Ratio	Lower	Upper
130	100		
95	82.1	0.0	179.0





#45

1,2-Dichloropropane

Concen: 4.989 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tot Ion: 63 Resp: 16394

Ion Ratio Lower Upper

63 100

65 25.1 24.8 37.2

Instrument :

MSVOA_X

ClientSampleId :

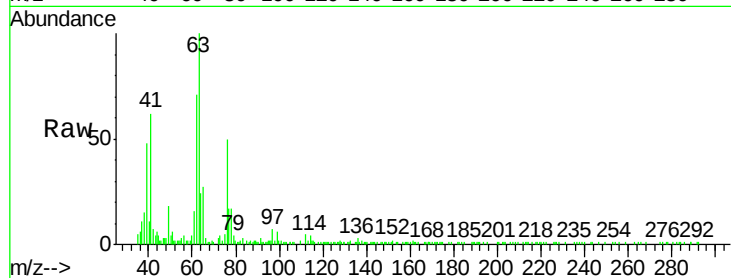
VSTDIC005

Manual Integrations

APPROVED

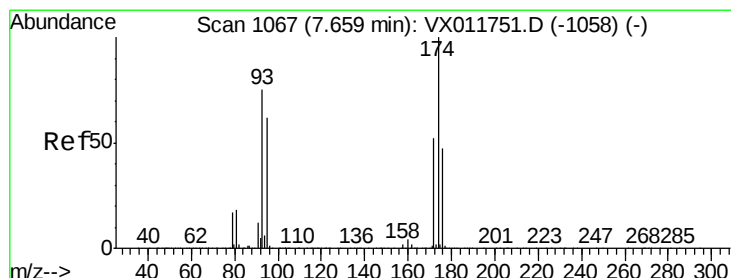
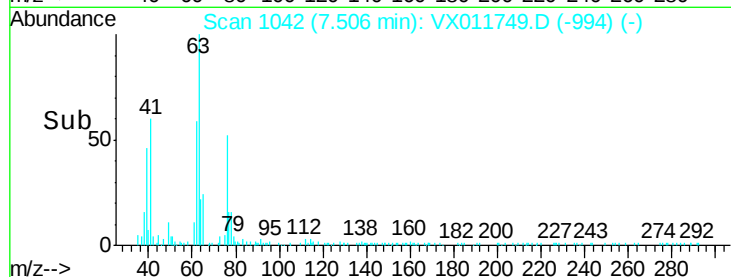
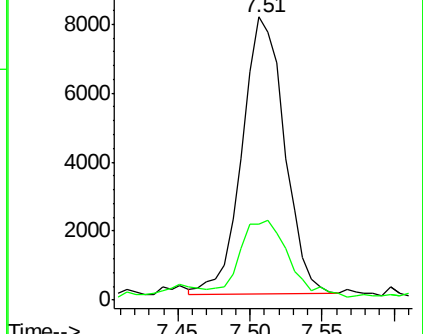
MMDadoda

8/23/2019 1:55:40 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.292 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

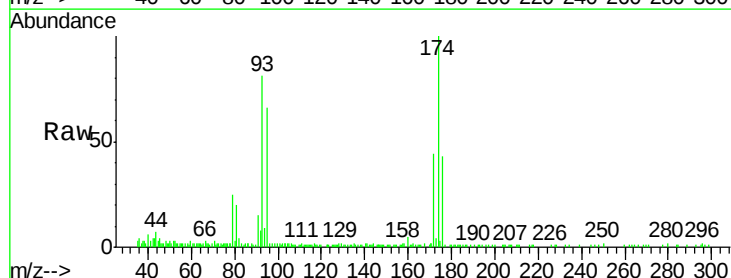
Tgt Ion: 93 Resp: 12746

Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.2

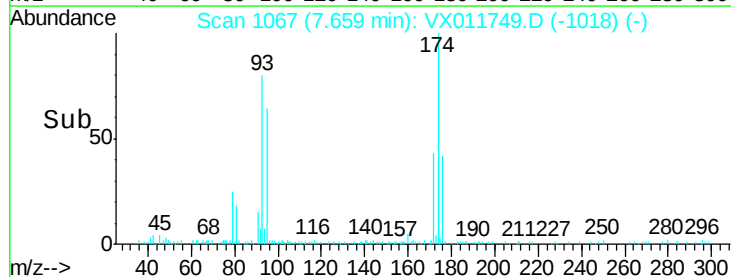
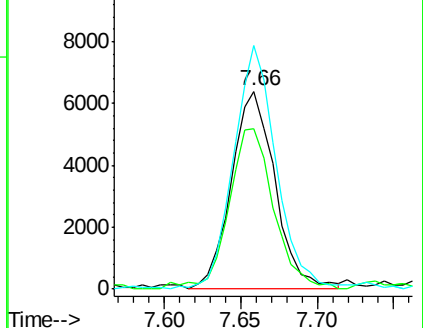
174 119.4 104.2 156.4

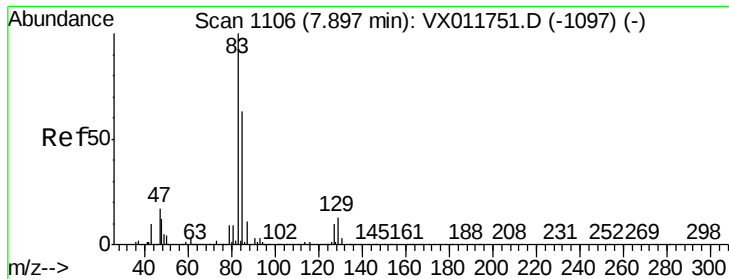


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





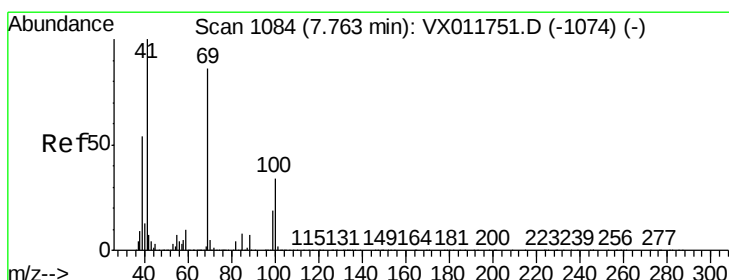
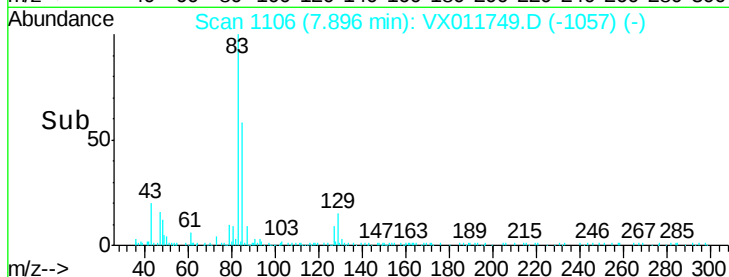
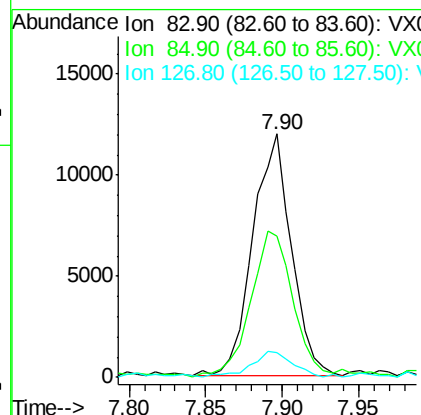
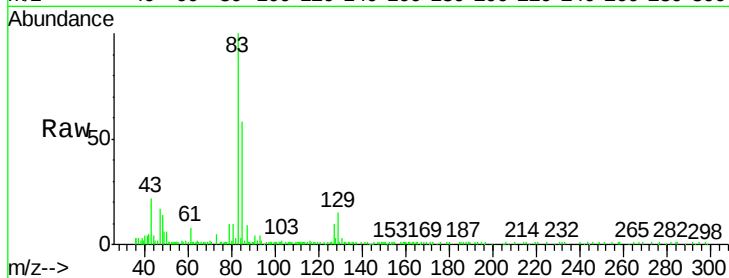
#47
Bromodichloromethane
Concen: 4.757 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	20964
Ion Ratio	100	Lower	Upper
83	100		
85	58.7	50.6	76.0
127	9.5	8.4	12.6

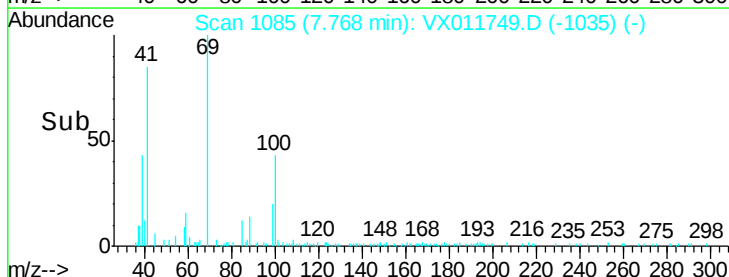
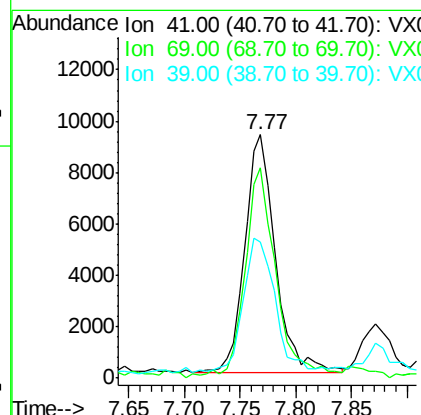
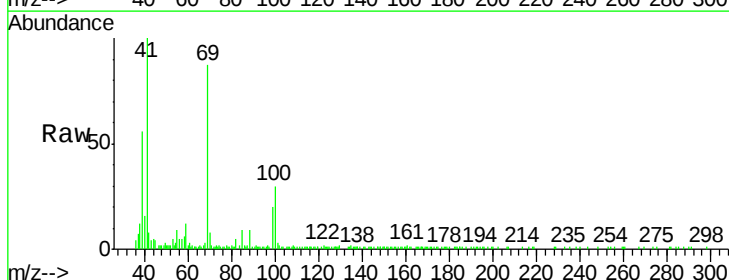
Manual Integrations
APPROVED

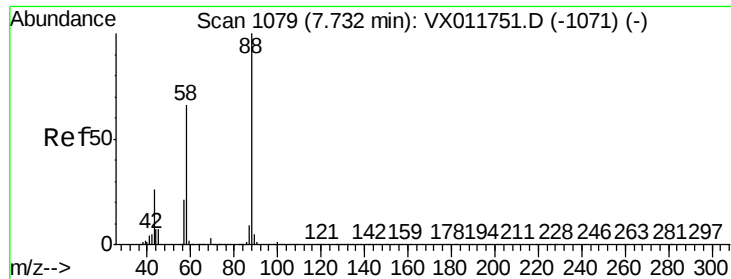
MMDadoda
8/23/2019 1:55:40 PM



#48
Methyl methacrylate
Concen: 4.650 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	41	Resp	17479
Ion Ratio	100	Lower	Upper
41	100		
69	92.5	69.4	104.2
39	56.5	43.6	65.4





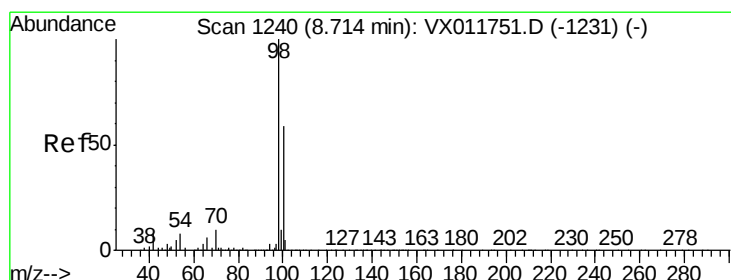
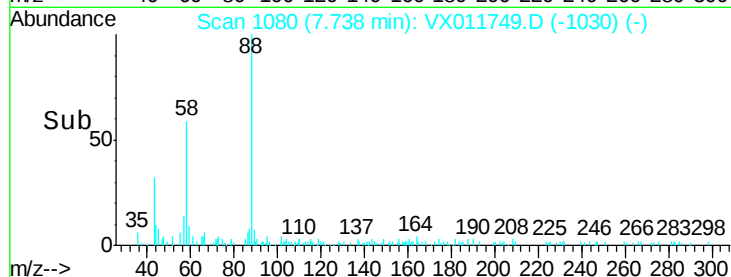
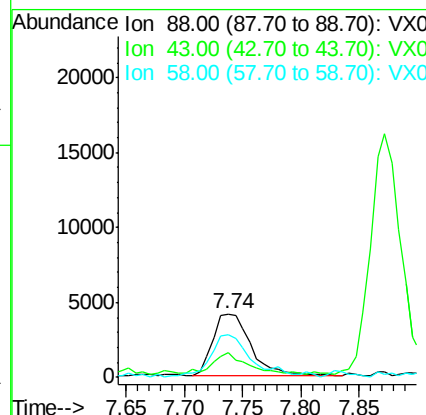
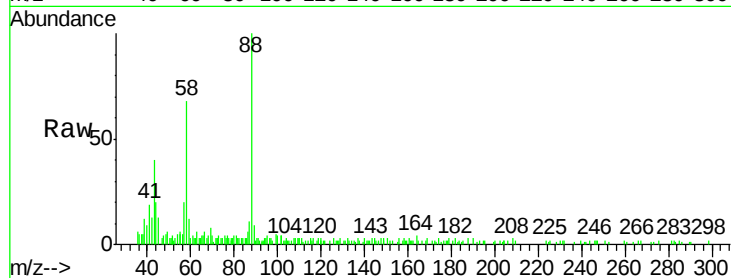
#49
1,4-Dioxane
Concen: 92.911 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	24.6	37.0
58	74.1	51.4	77.2

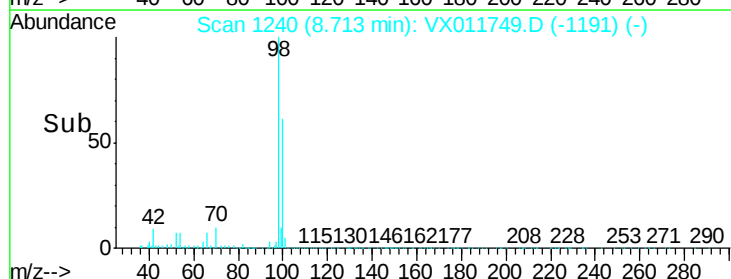
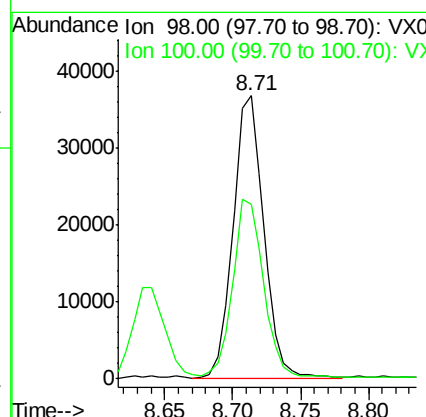
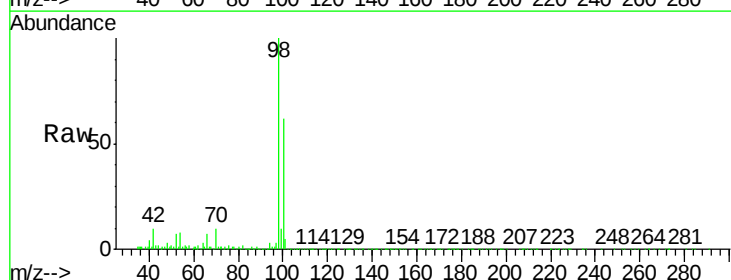
Manual Integrations
APPROVED

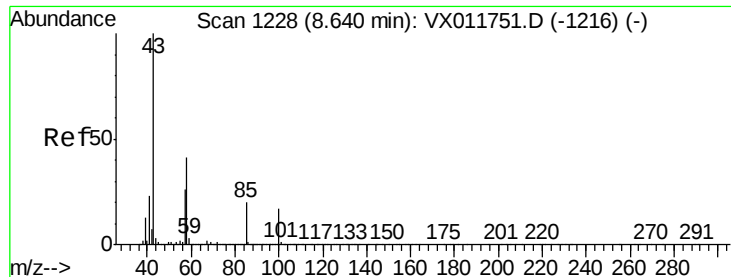
MMDadoda
8/23/2019 1:55:40 PM



#50
Toluene-d8
Concen: 5.339 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





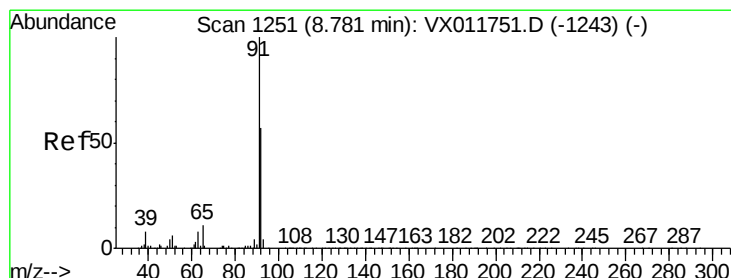
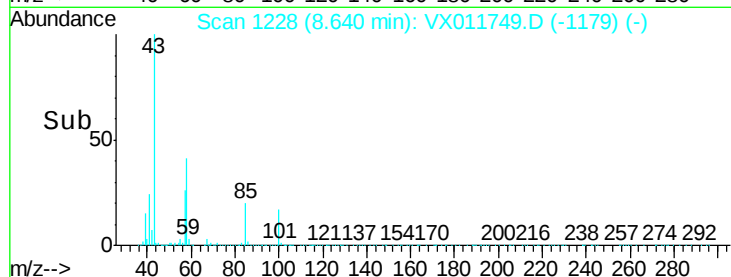
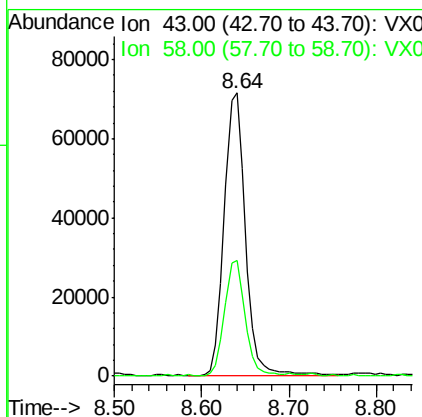
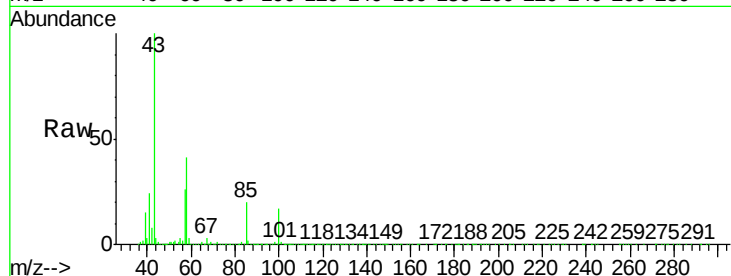
#51
4-Methyl-2-Pentanone
Concen: 24.307 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.8	47.6

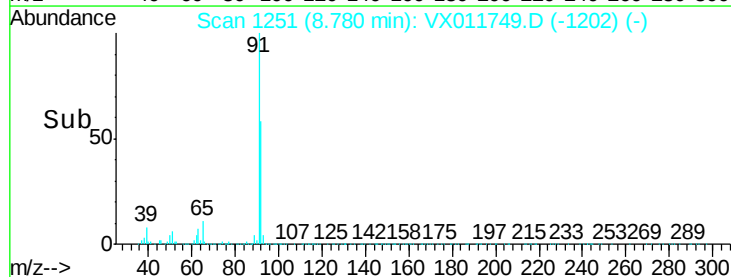
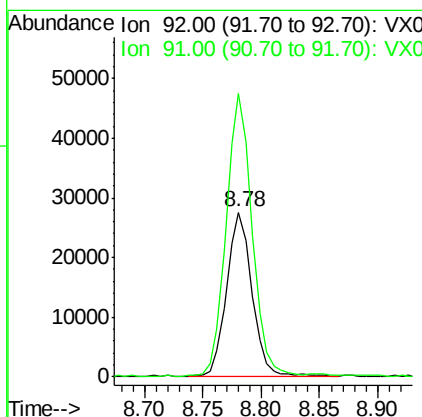
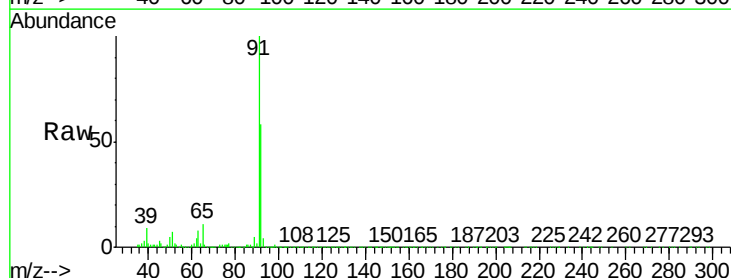
Manual Integrations
APPROVED

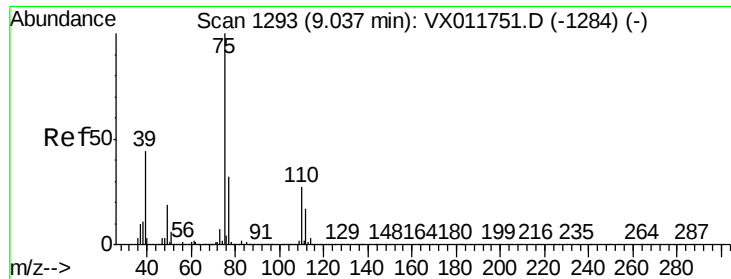
MMDadoda
8/23/2019 1:55:40 PM



#52
Toluene
Concen: 4.906 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.8	138.6	207.8





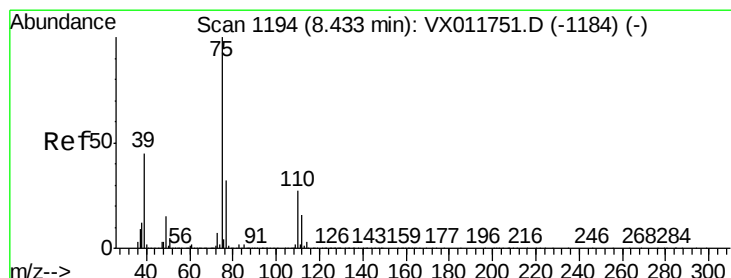
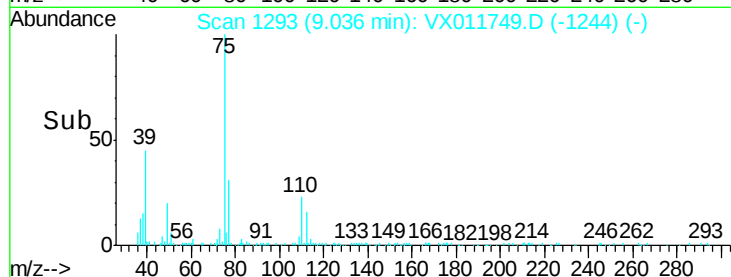
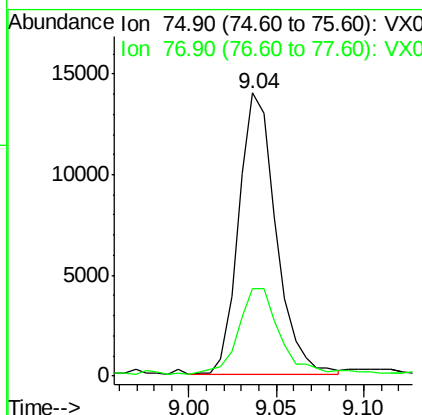
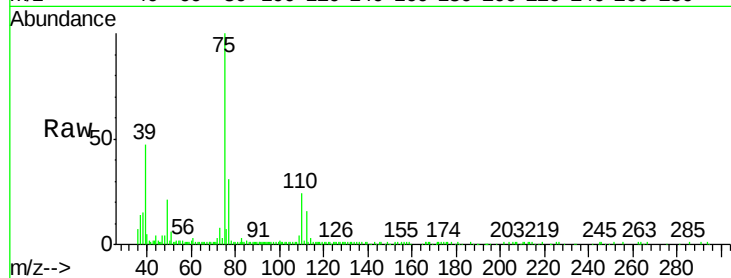
#53
t-1,3-Dichloropropene
Concen: 4.507 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0

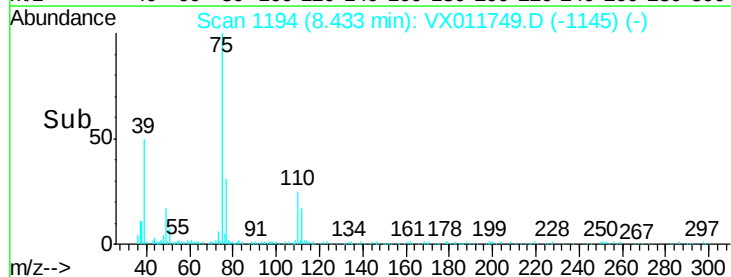
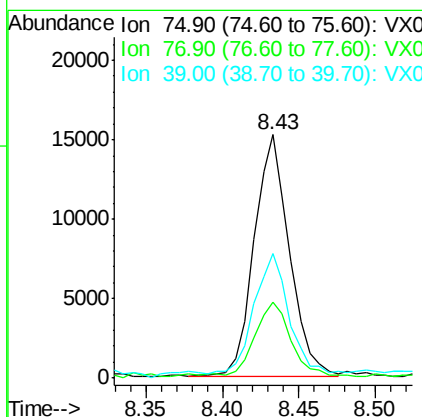
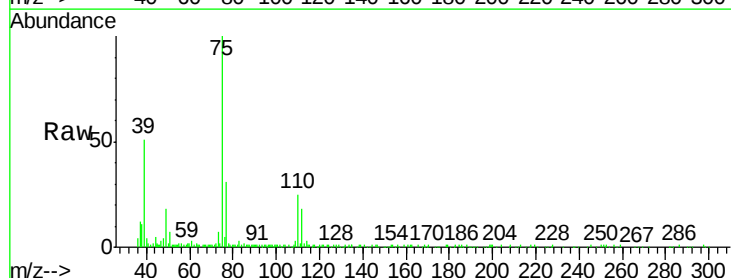
Manual Integrations
APPROVED

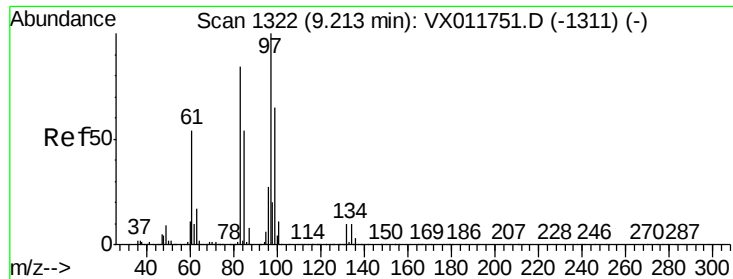
MMDadoda
8/23/2019 1:55:40 PM



#54
cis-1,3-Dichloropropene
Concen: 4.865 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2
39	49.6	36.2	54.4





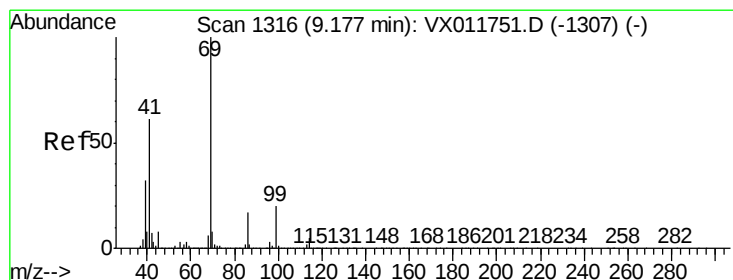
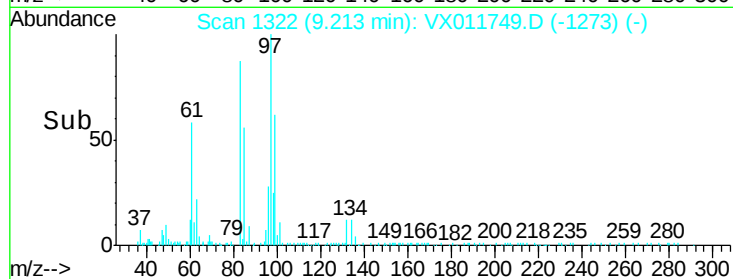
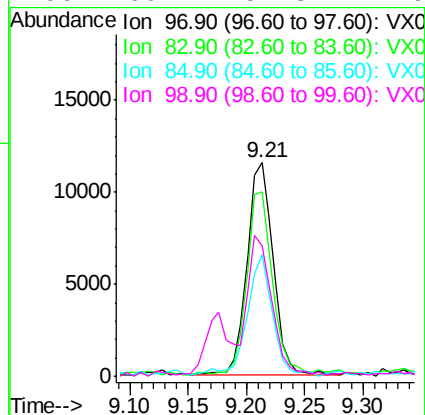
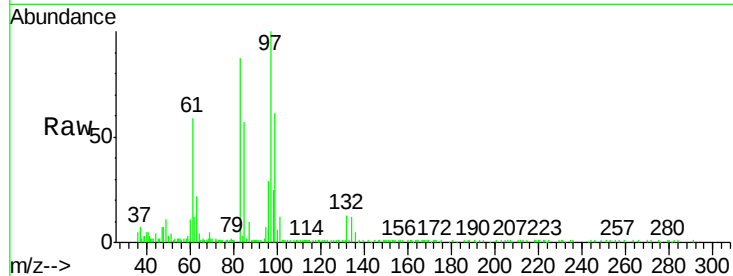
#55
 1,1,2-Trichloroethane
 Concen: 5.010 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17945
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.3	100.9
85	56.5	43.4	65.2
99	60.7	51.8	77.6

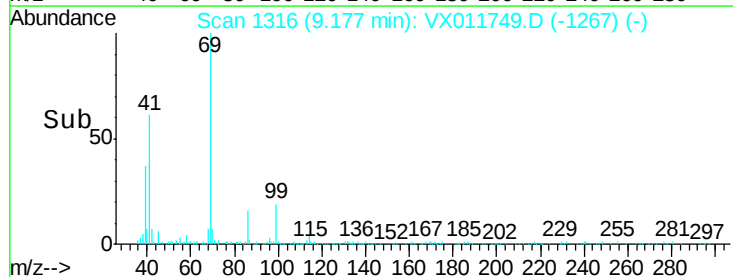
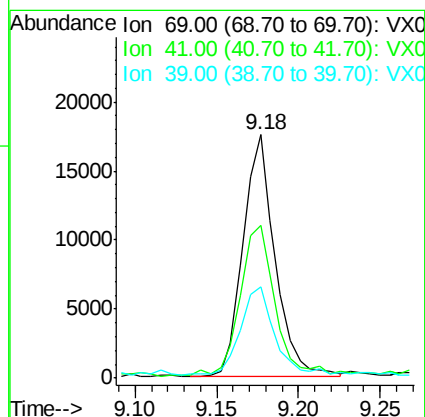
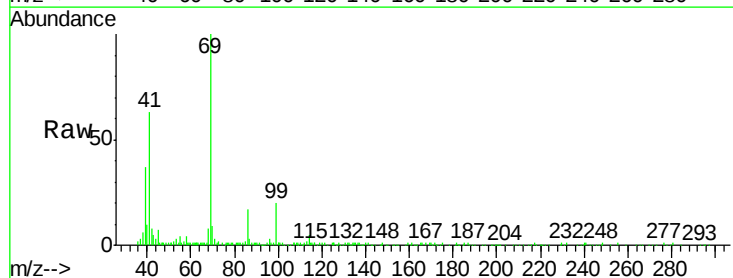
Manual Integrations
 APPROVED

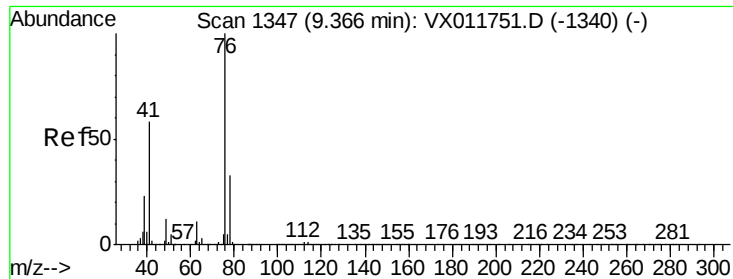
MMDadoda
 8/23/2019 1:55:40 PM



#56
 Ethyl methacrylate
 Concen: 4.633 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Tgt Ion:	69	Resp:	24092
Ion	Ratio	Lower	Upper
69	100		
41	68.5	50.7	76.1
39	37.3	26.4	39.6





#57

1,3-Dichloropropane

Concen: 5.126 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

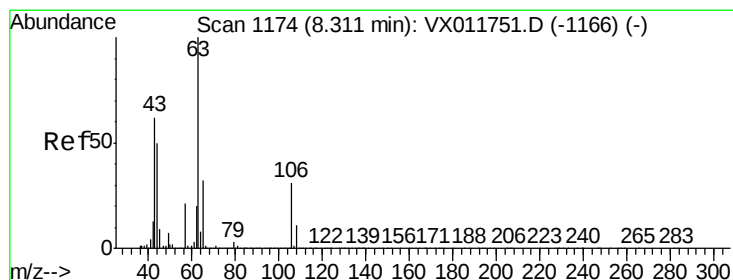
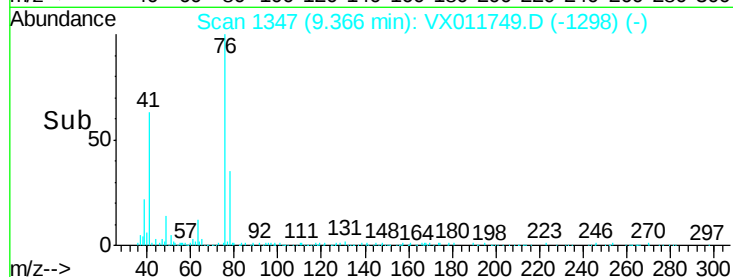
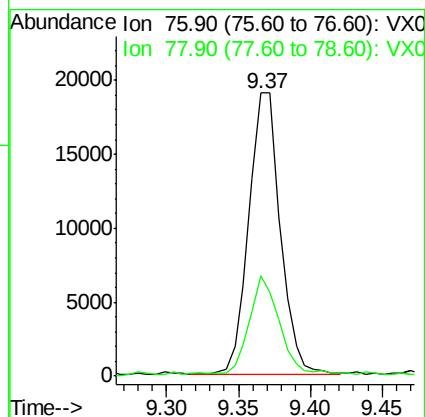
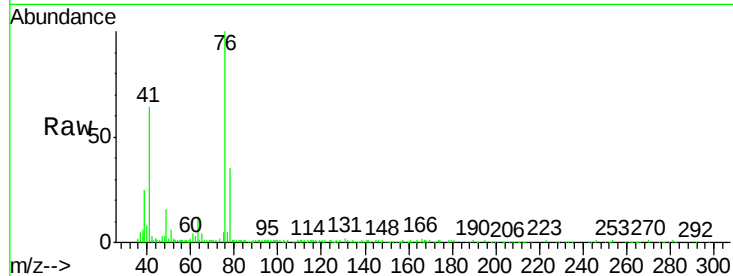
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.6	39.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 22.607 ug/l

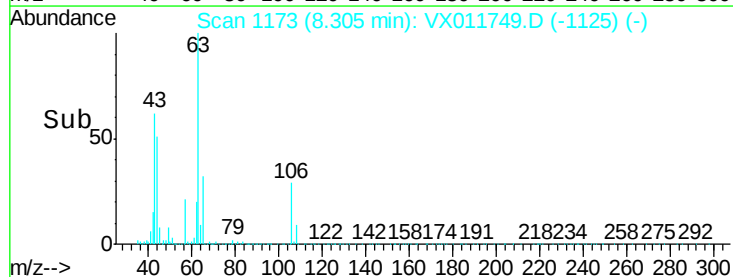
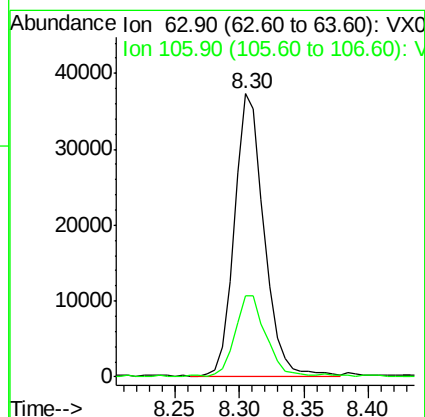
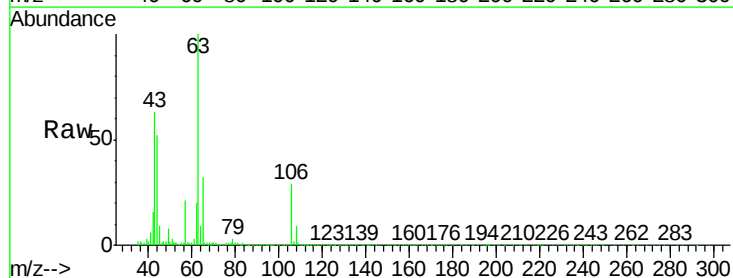
RT: 8.30 min Scan# 1173

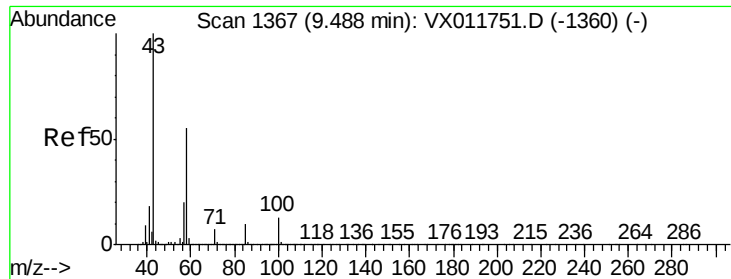
Delta R.T. -0.01 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.9	37.3





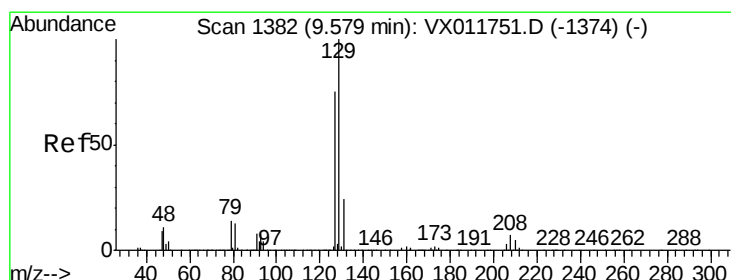
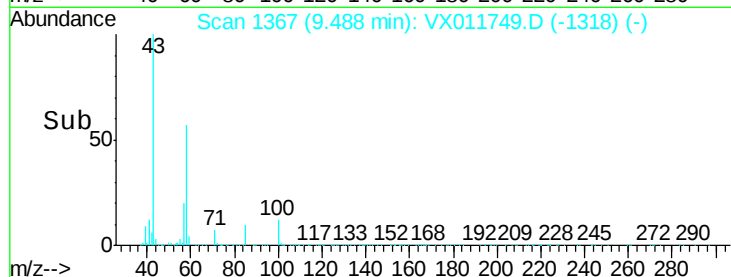
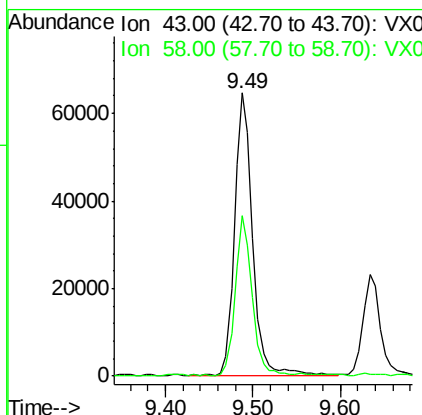
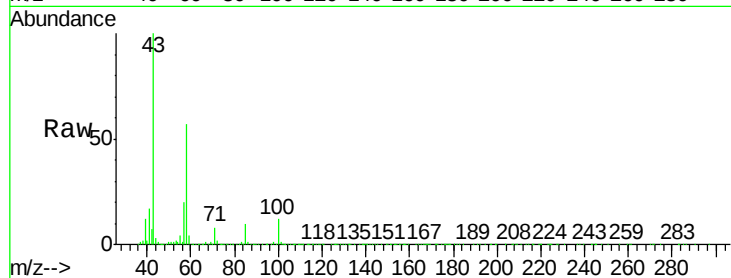
#59
2-Hexanone
Concen: 24.753 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	27.7	83.1

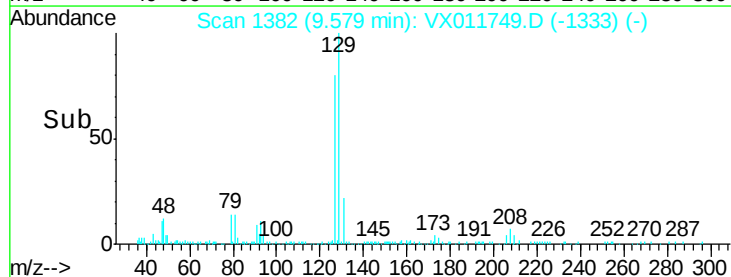
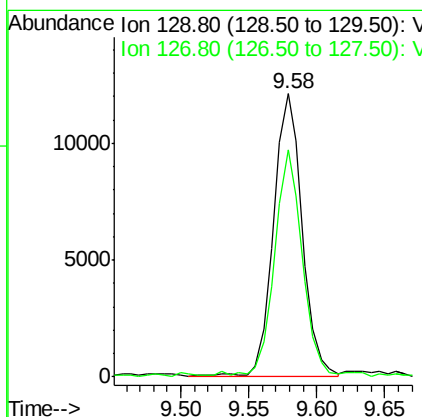
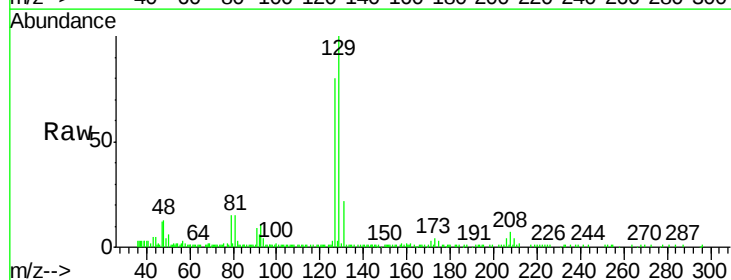
Manual Integrations
APPROVED

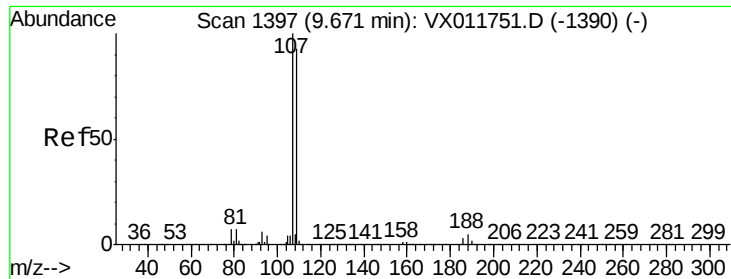
MMDadoda
8/23/2019 1:55:40 PM



#60
Dibromochloromethane
Concen: 4.790 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	38.3	114.8





#61

1,2-Dibromoethane

Concen: 4.932 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 18884

Ion Ratio Lower Upper

107 100

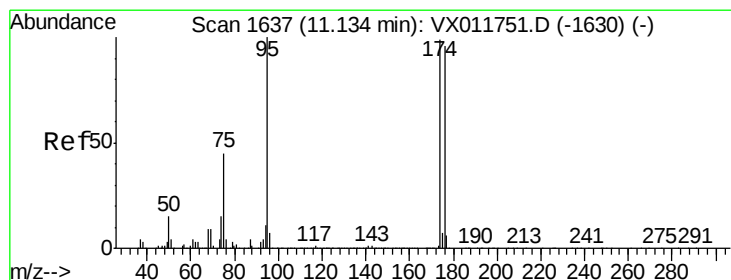
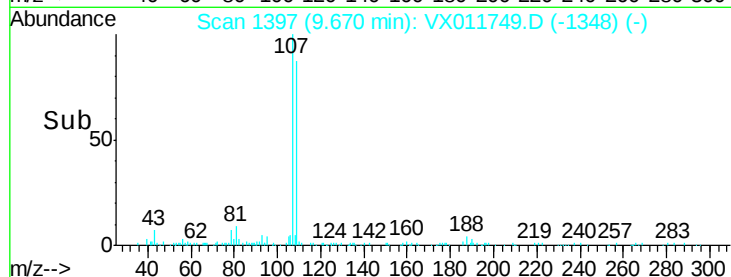
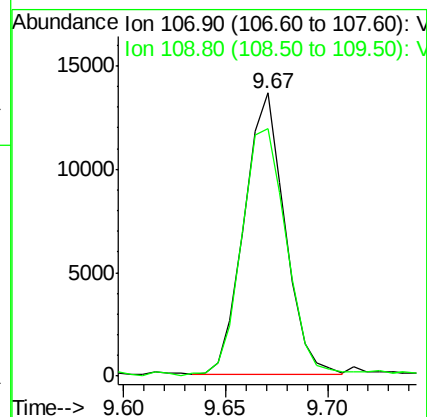
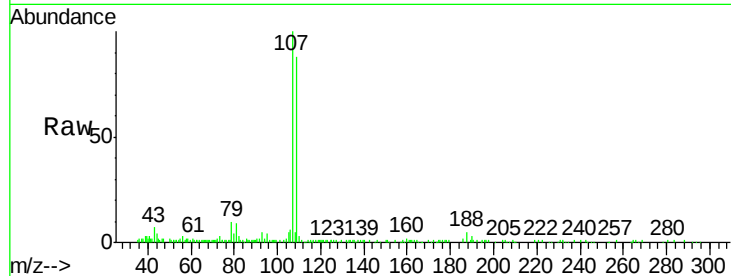
109 97.5 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:40 PM



#62

4-Bromofluorobenzene

Concen: 5.921 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

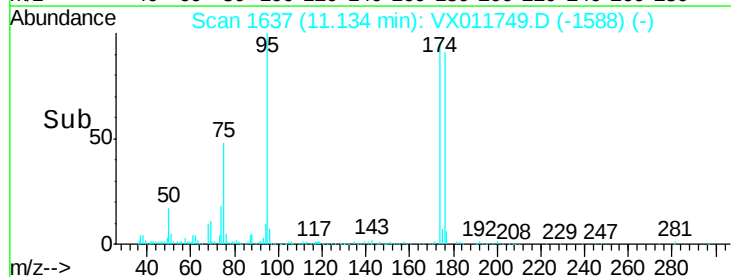
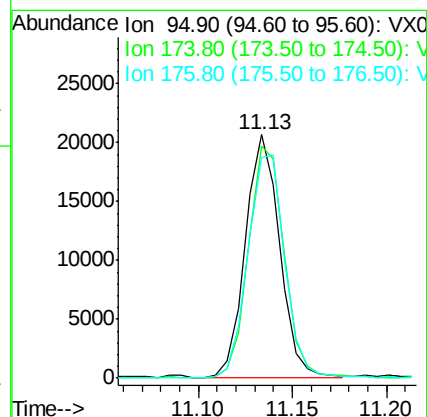
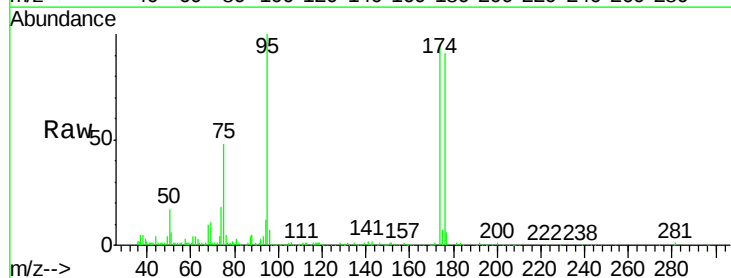
Tgt Ion: 95 Resp: 26247

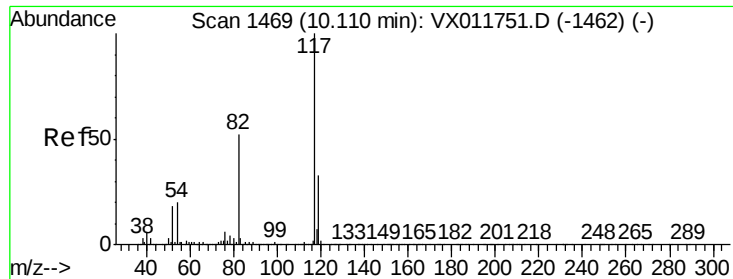
Ion Ratio Lower Upper

95 100

174 98.0 0.0 197.4

176 98.6 0.0 194.4





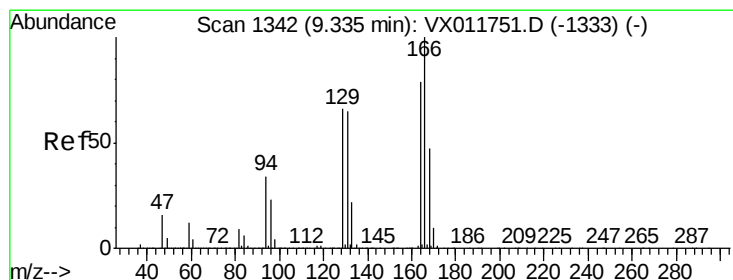
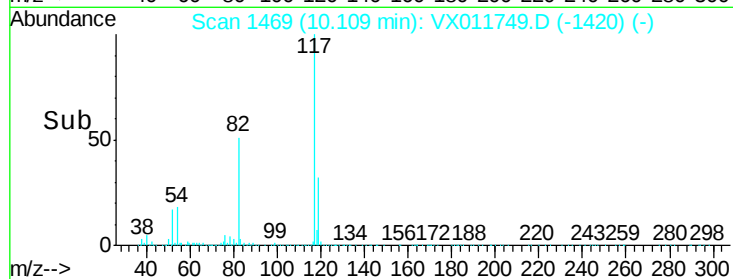
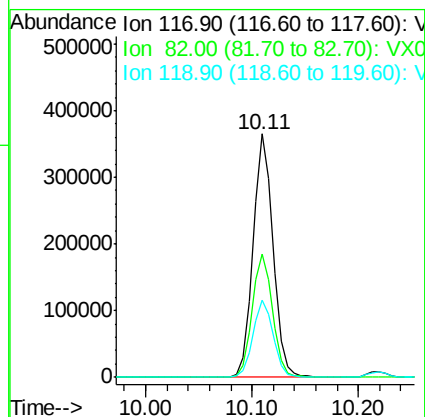
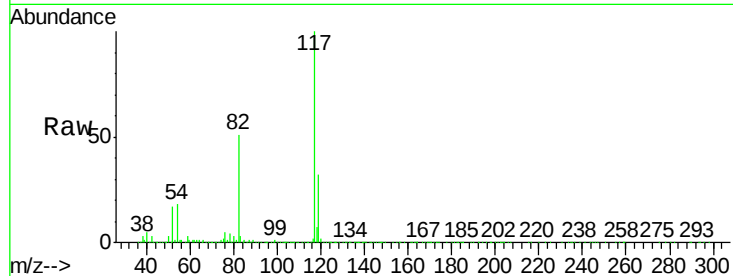
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	117	Resp:	481517
Ion Ratio		Lower	Upper
117	100		
82	50.7	41.7	62.5
119	31.6	26.2	39.2

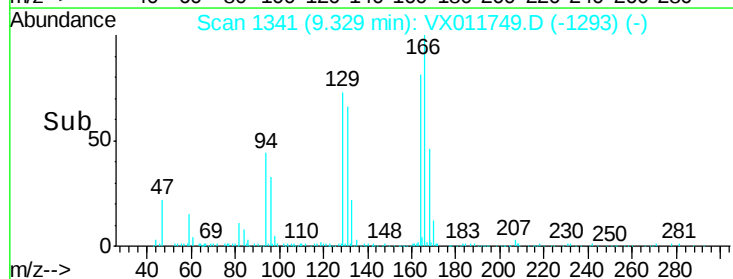
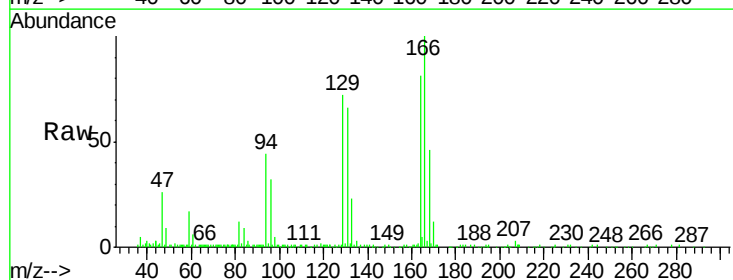
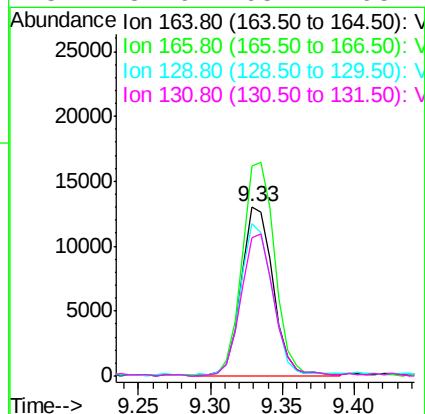
Manual Integrations
APPROVED

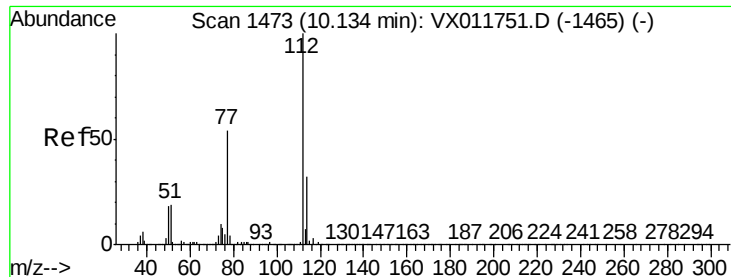
MMDadoda
8/23/2019 1:55:40 PM



#64
Tetrachloroethene
Concen: 5.038 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion:	164	Resp:	20051
Ion Ratio		Lower	Upper
164	100		
166	123.4	100.7	151.1
129	90.1	66.8	100.2
131	81.6	65.4	98.2





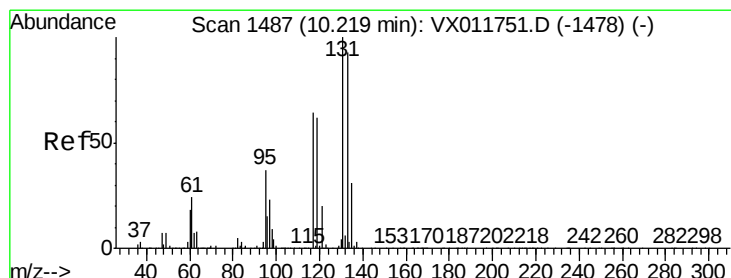
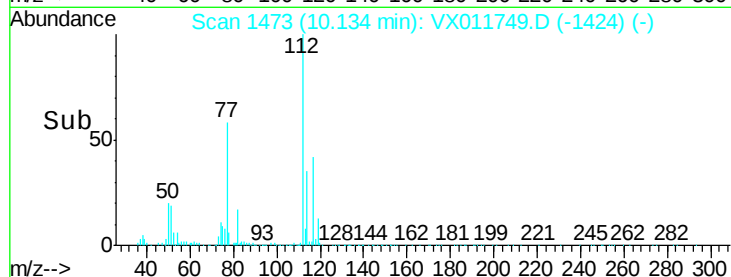
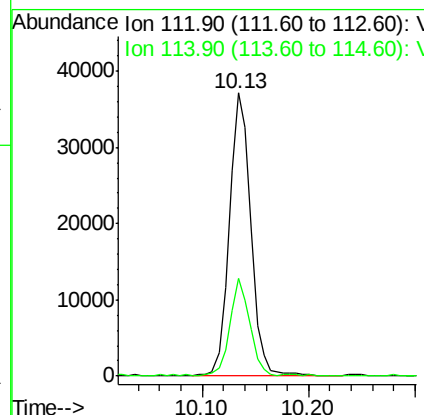
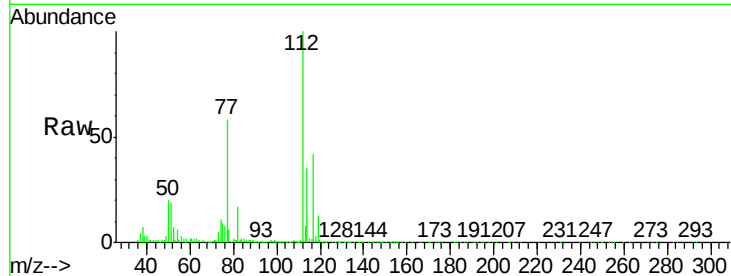
#65
Chlorobenzene
Concen: 5.215 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.4	38.0

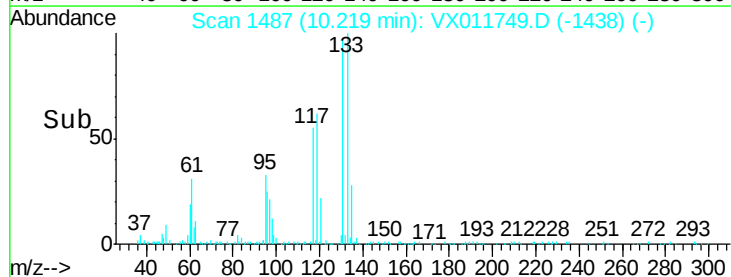
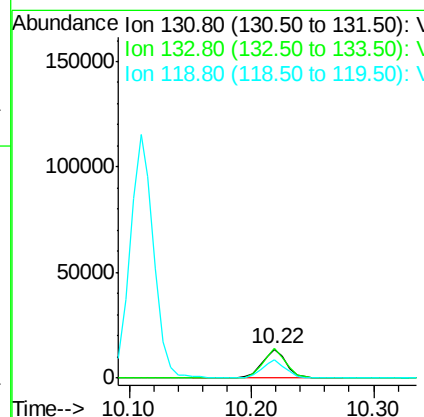
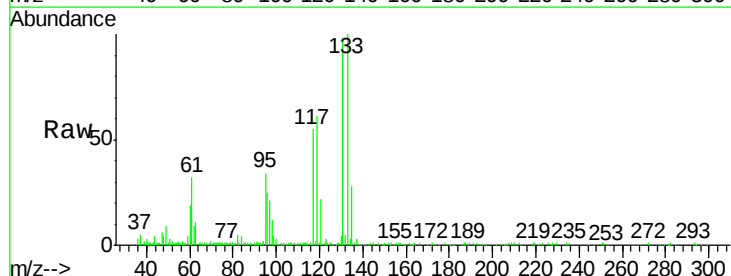
Manual Integrations
APPROVED

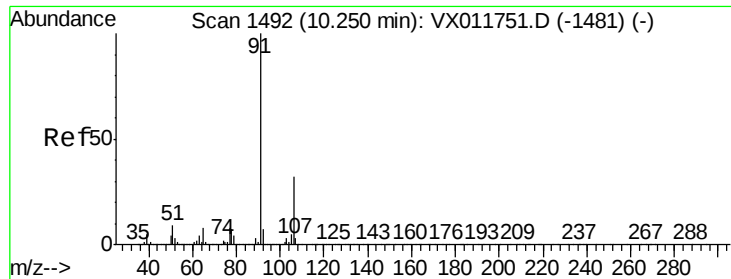
MMDadoda
8/23/2019 1:55:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.942 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.8	143.4
119	62.1	31.3	93.8





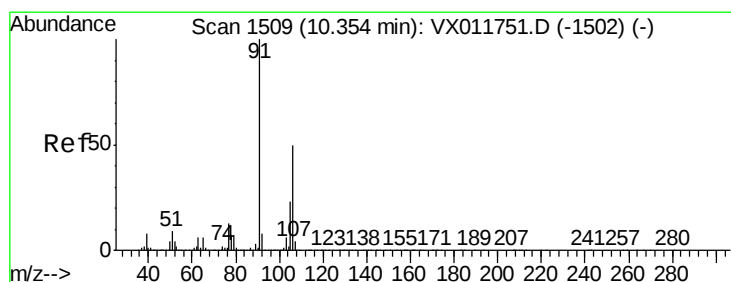
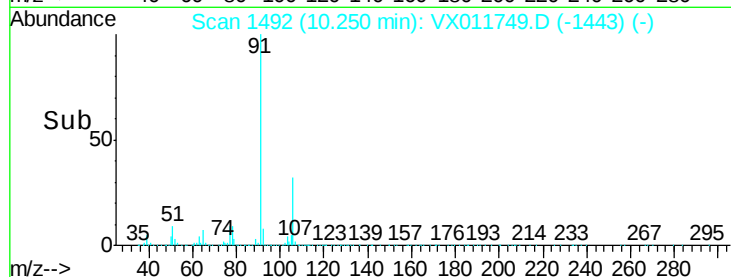
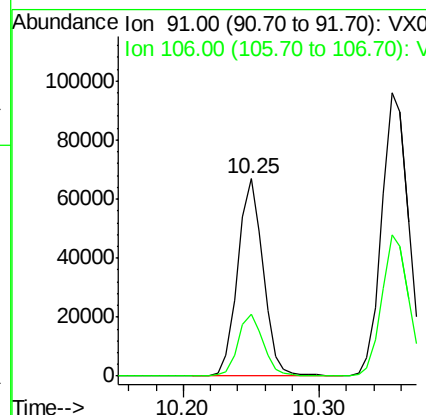
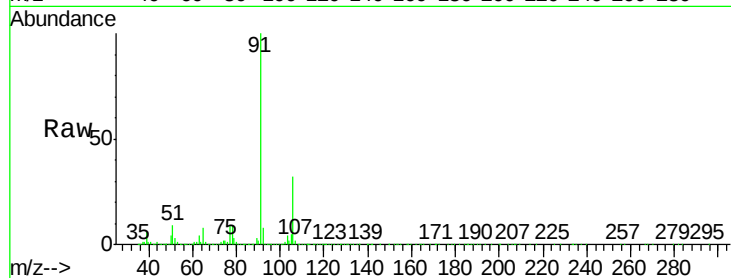
#67
Ethyl Benzene
Concen: 5.119 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.5	38.3

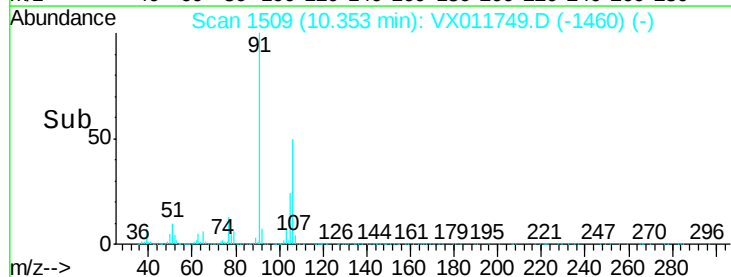
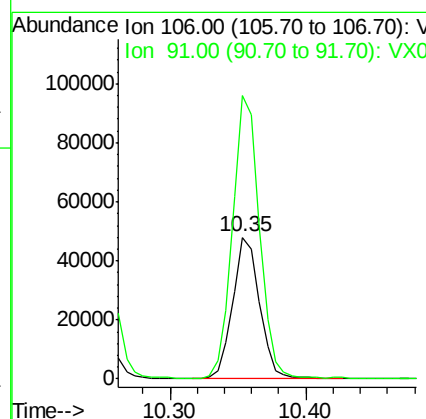
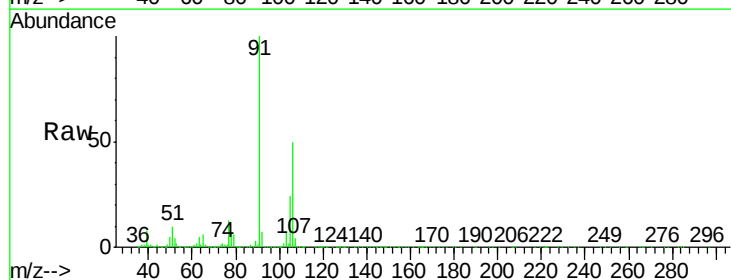
Manual Integrations
APPROVED

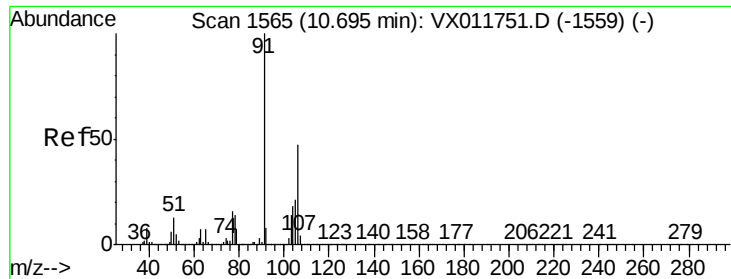
MMDadoda
8/23/2019 1:55:40 PM



#68
m/p-Xylenes
Concen: 10.041 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.6	158.3	237.5





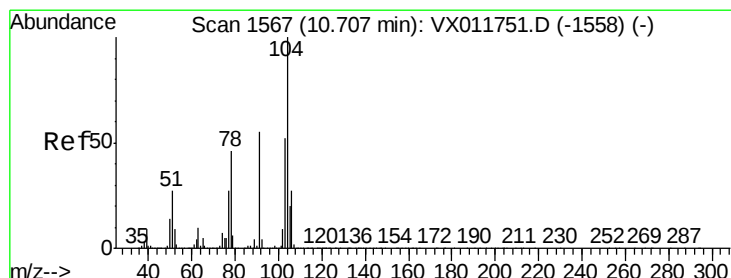
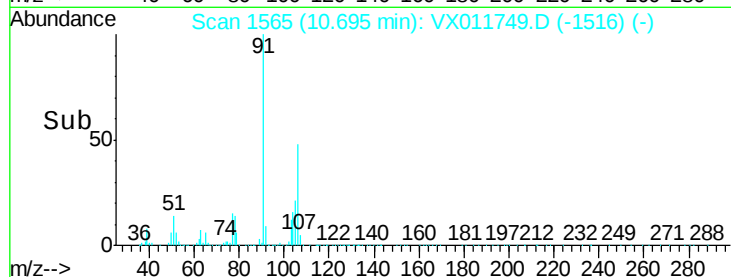
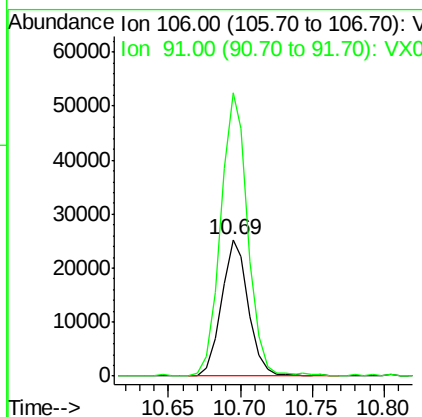
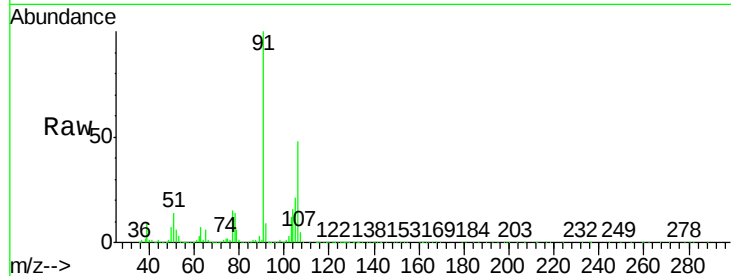
#69
o-Xylene
Concen: 5.137 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.9	105.0	314.9

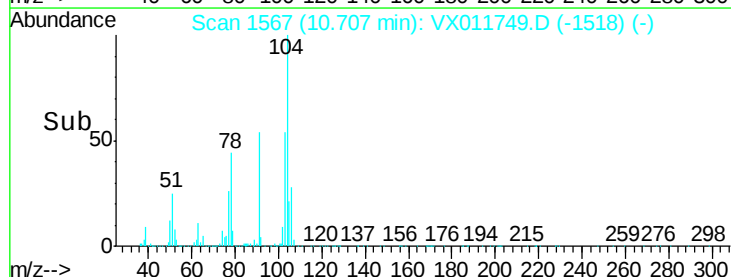
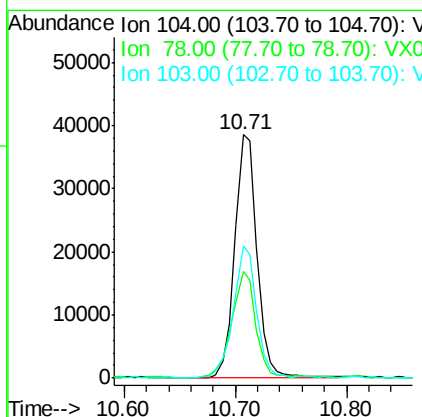
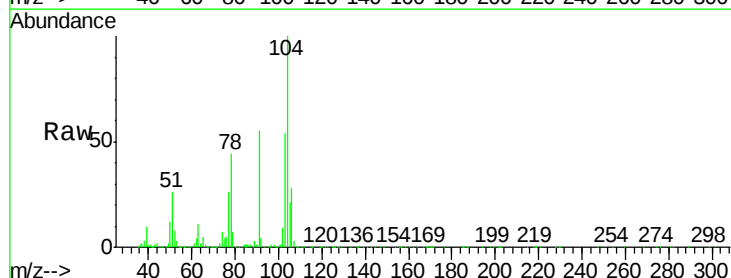
Manual Integrations
APPROVED

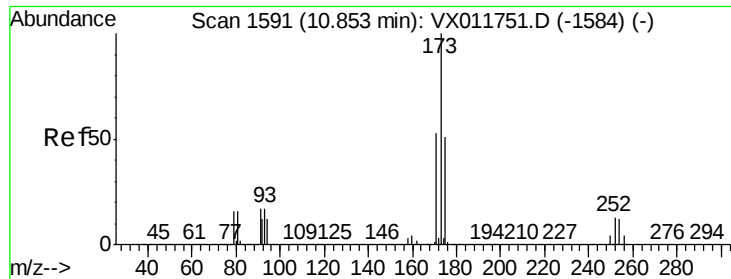
MMDadoda
8/23/2019 1:55:40 PM



#70
Styrene
Concen: 5.011 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.2	58.8
103	56.7	44.5	66.7





#71

Bromoform

Concen: 4.502 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 14486

Ion Ratio Lower Upper

173 100

175 49.6 25.1 75.3

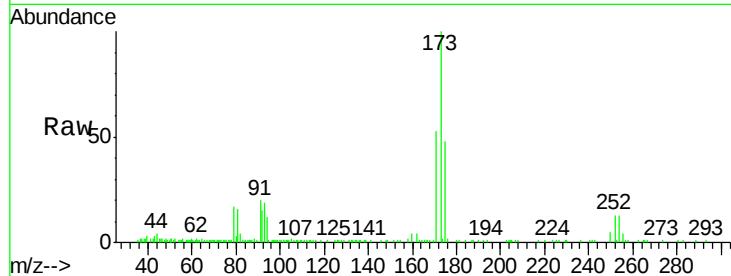
254 0.4 0.2 0.4#

Manual Integrations

APPROVED

MMDadoda

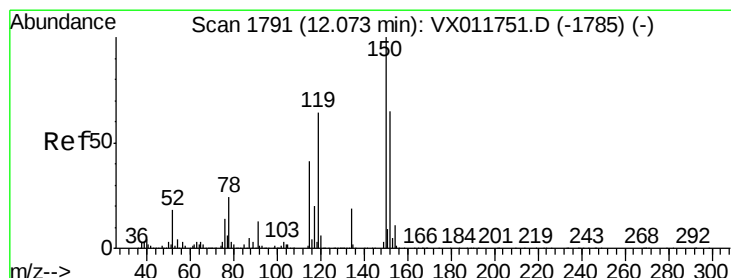
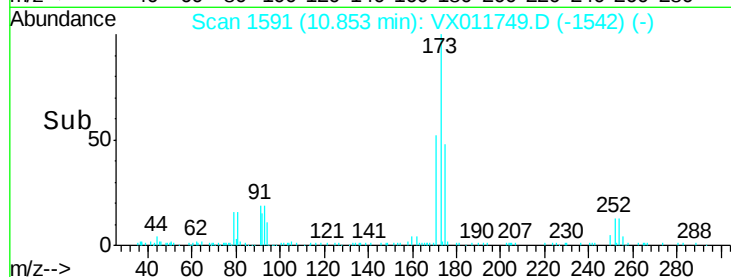
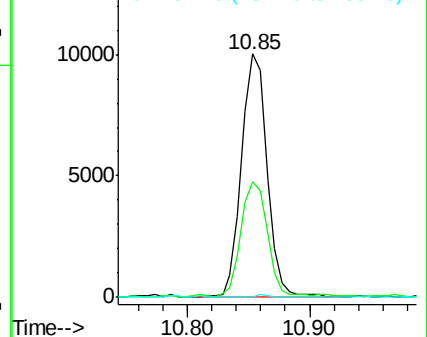
8/23/2019 1:55:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

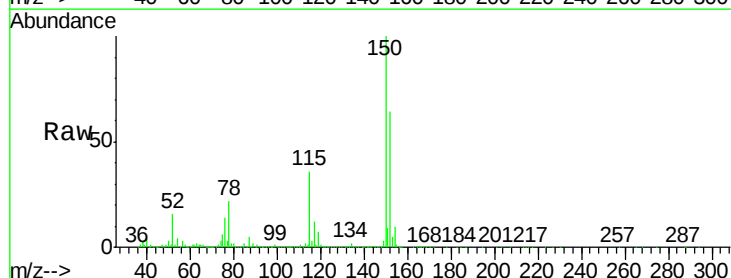
Tgt Ion:152 Resp: 266474

Ion Ratio Lower Upper

152 100

115 54.8 37.3 111.8

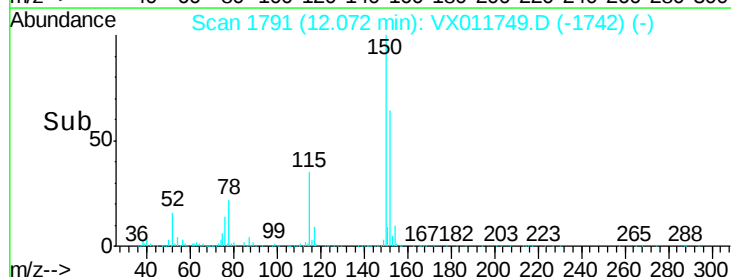
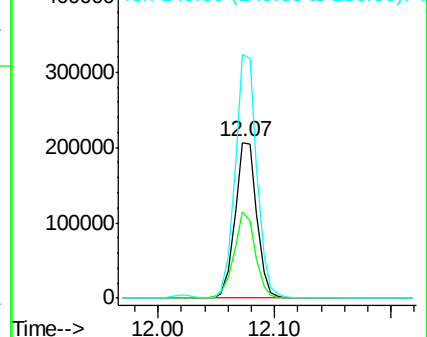
150 156.8 0.0 343.0

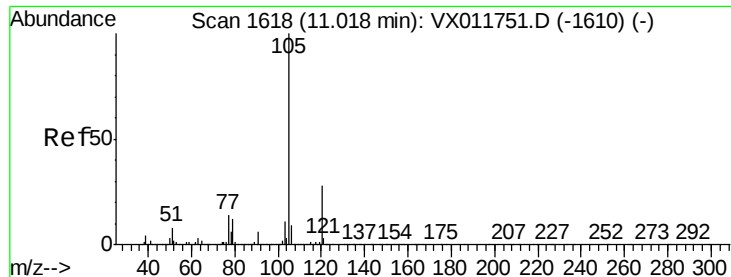


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.127 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 87625

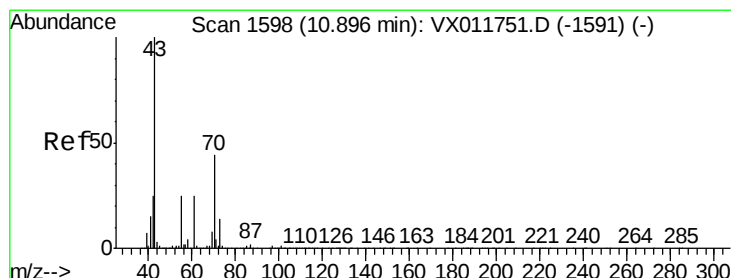
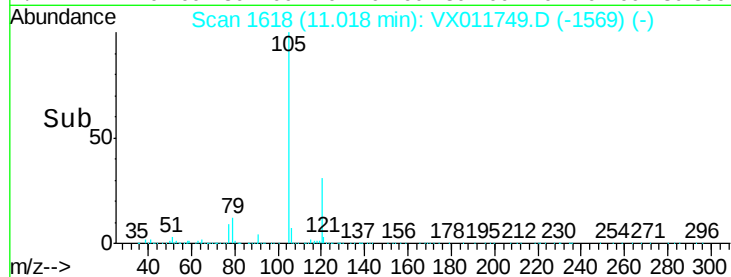
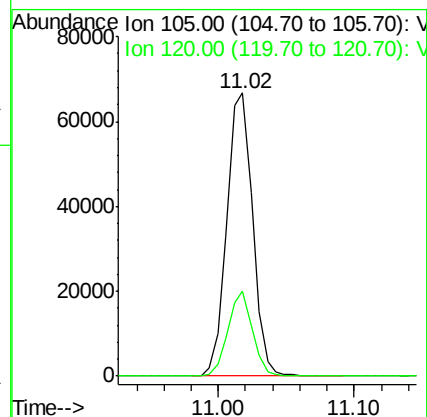
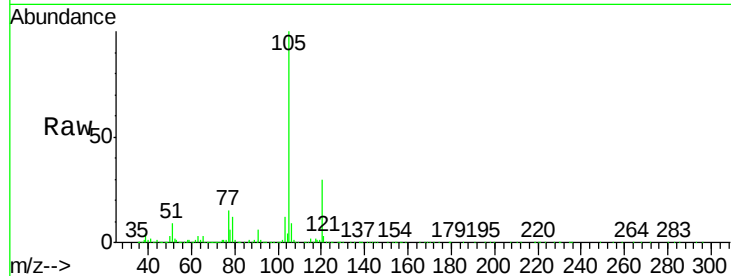
Ion Ratio Lower Upper

105 100

120 28.6 13.9 41.7

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#74

N-ethyl acetate

Concen: 4.425 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion: 43 Resp: 31728

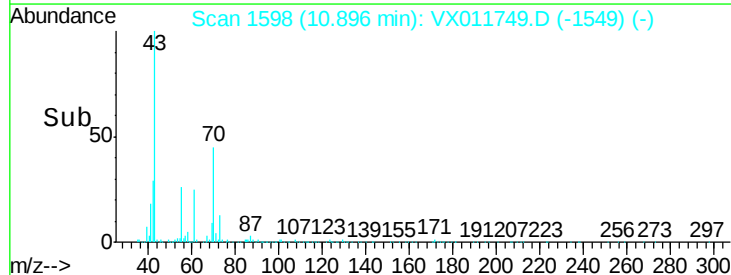
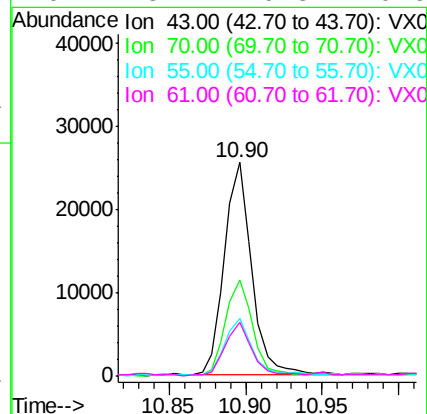
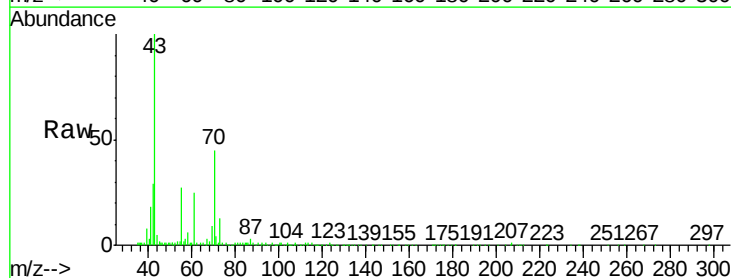
Ion Ratio Lower Upper

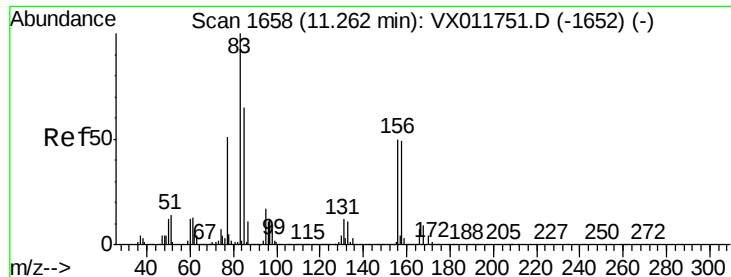
43 100

70 44.3 34.8 52.2

55 26.4 19.5 29.3

61 25.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.908 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

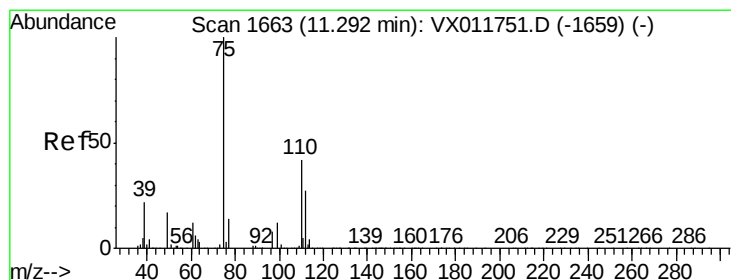
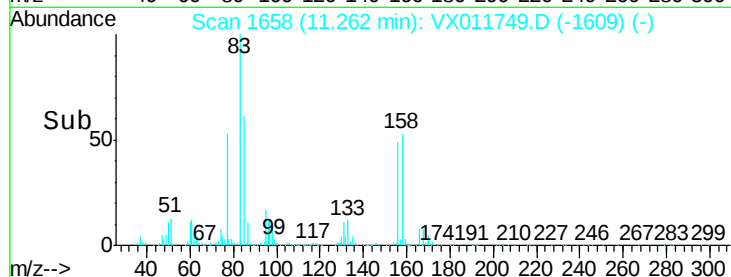
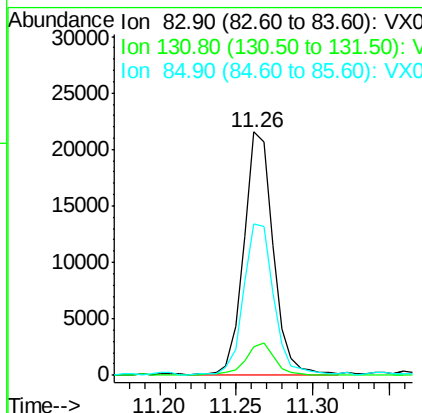
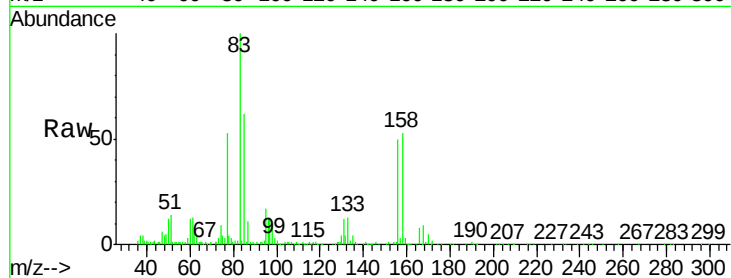
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28538
Ion Ratio	Lower	Upper	
83	100		
131	13.8	6.1	18.3
85	63.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#76

1,2,3-Trichloropropane

Concen: 4.906 ug/l m

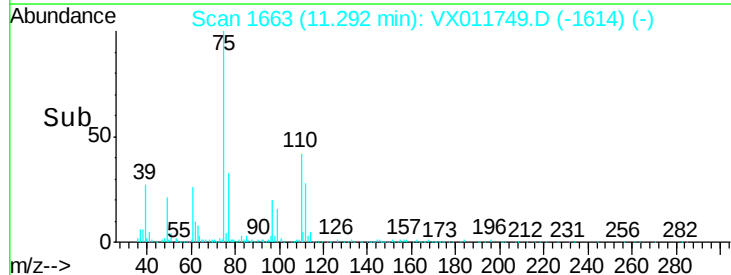
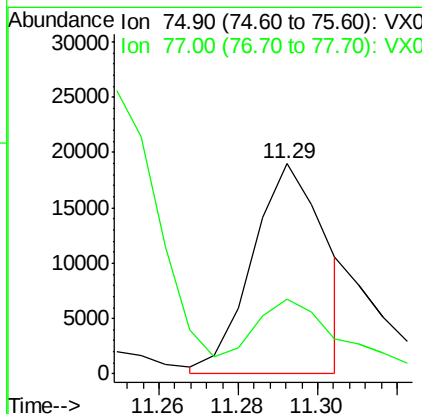
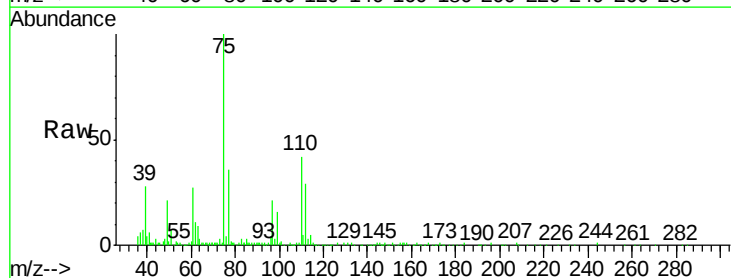
RT: 11.29 min Scan# 1663

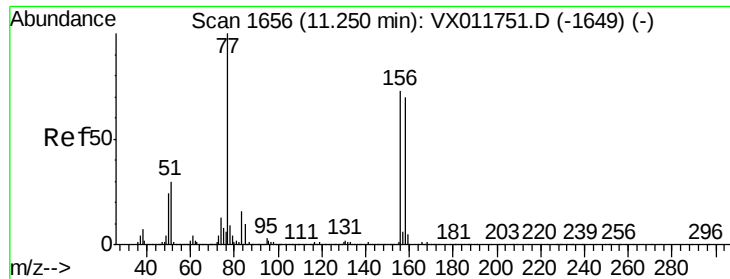
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	75	Resp:	24363
Ion Ratio	Lower	Upper	
75	100		
77	43.7	21.1	63.3





#77

Bromobenzene

Concen: 5.249 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

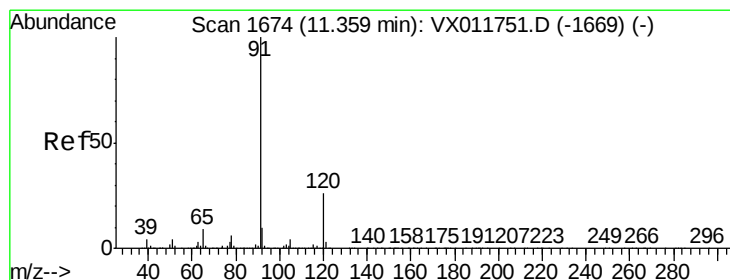
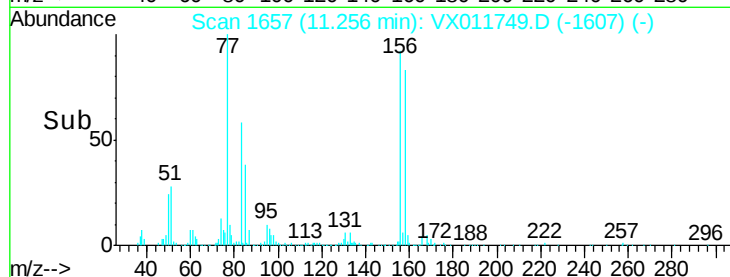
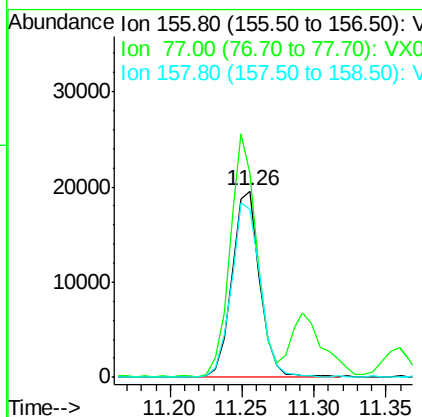
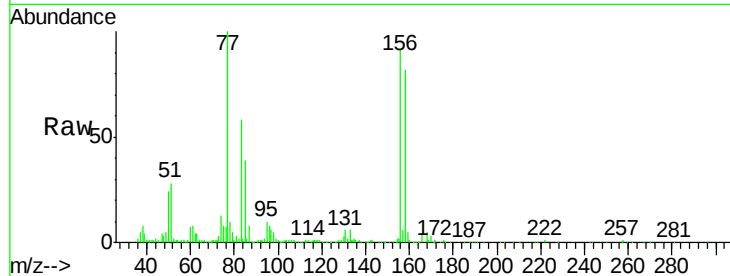
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	26540
Ion Ratio	Lower	Upper	
156	100		
77	125.3	65.3	196.0
158	98.1	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#78

n-propylbenzene

Concen: 5.055 ug/l

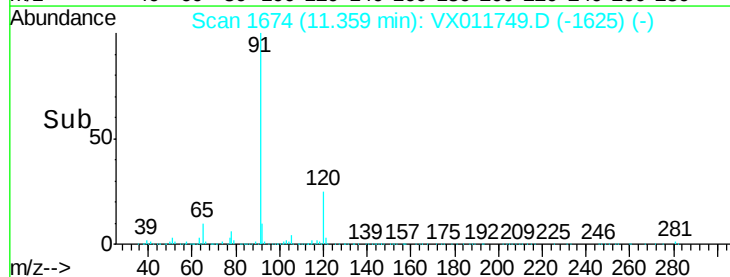
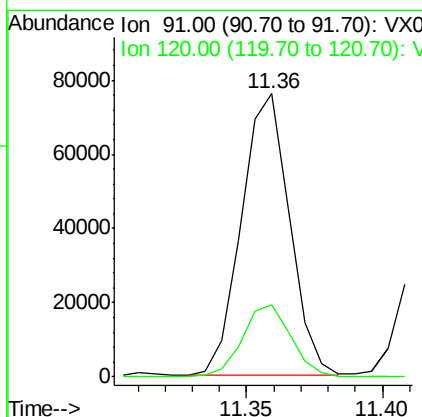
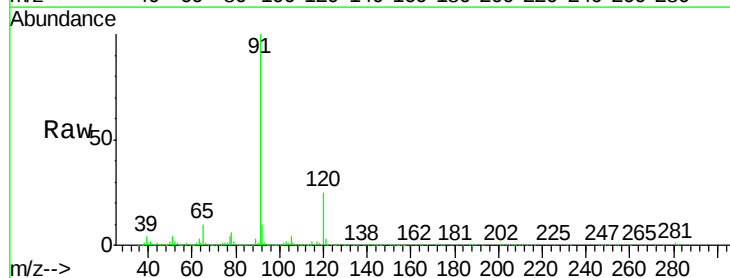
RT: 11.36 min Scan# 1674

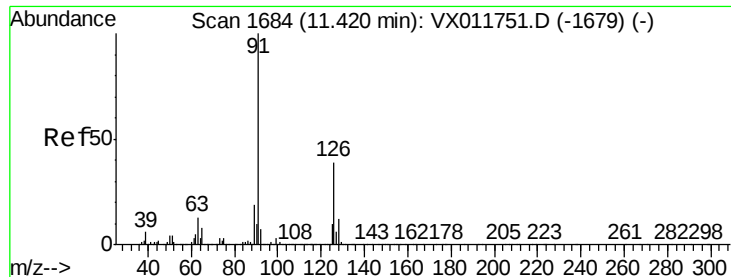
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	91	Resp:	93136
Ion Ratio	Lower	Upper	
91	100		
120	26.2	12.7	38.1





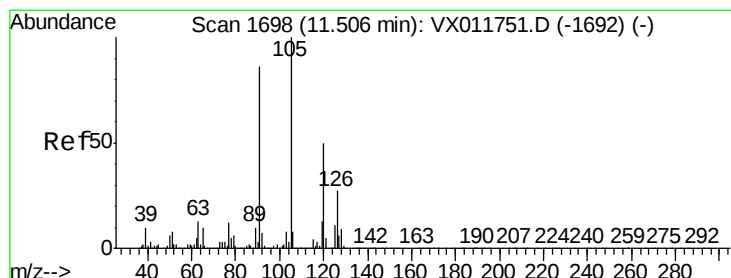
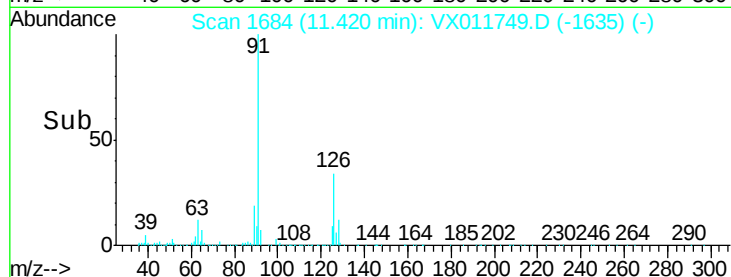
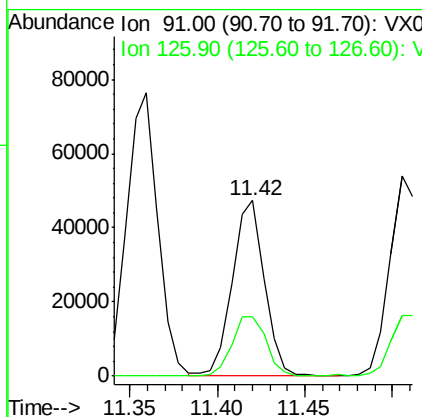
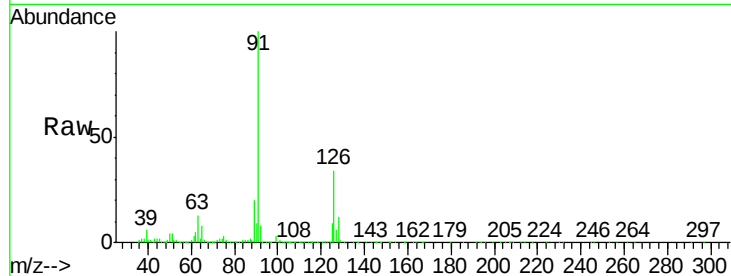
#79
 2-Chlorotoluene
 Concen: 5.297 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.6	55.6

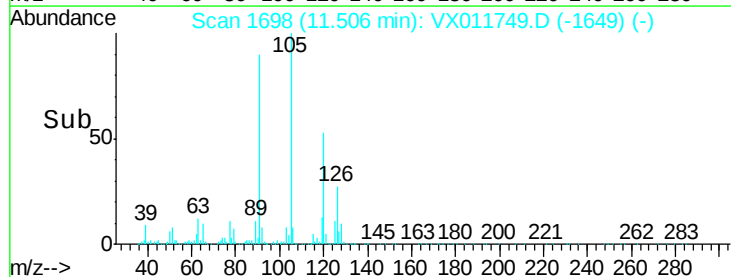
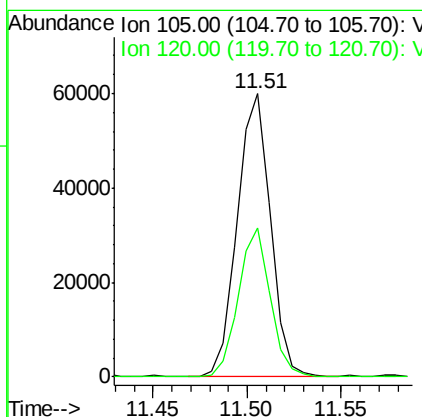
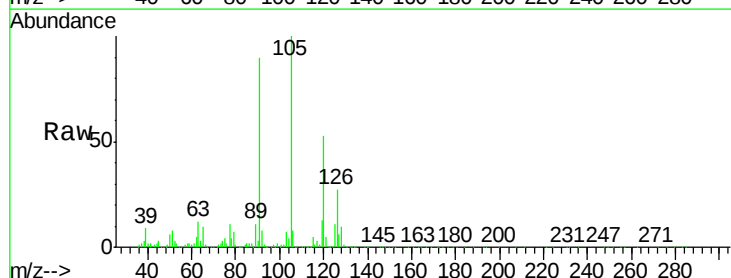
Manual Integrations
 APPROVED

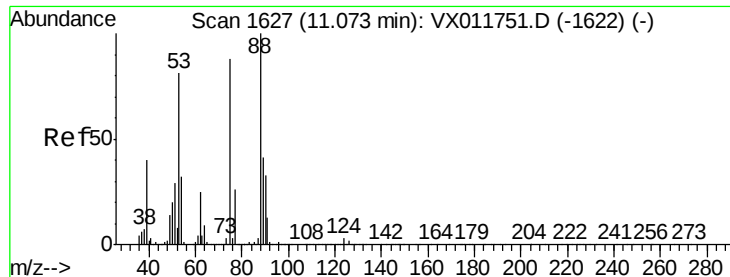
MMDadoda
 8/23/2019 1:55:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.121 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	24.8	74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.932 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

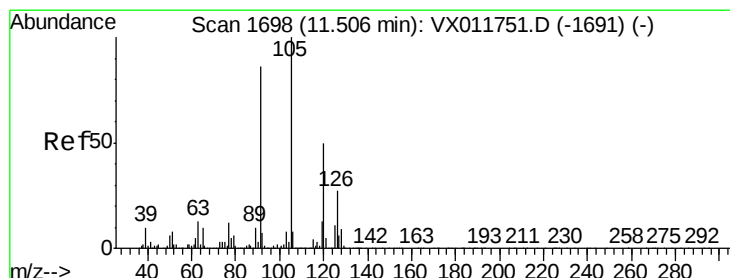
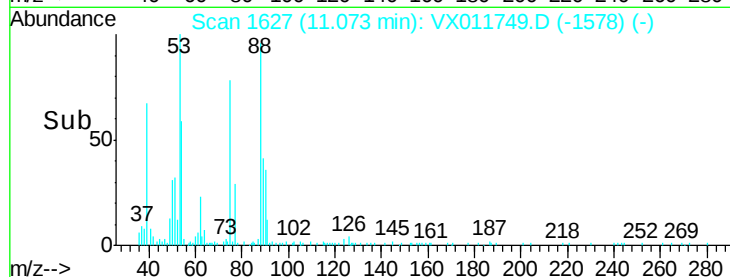
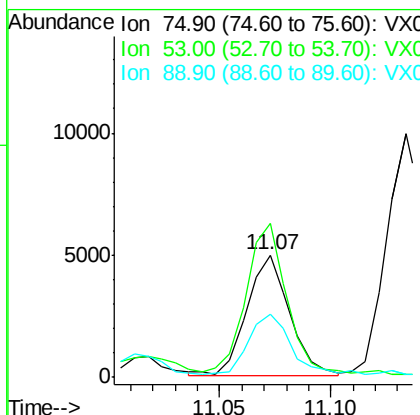
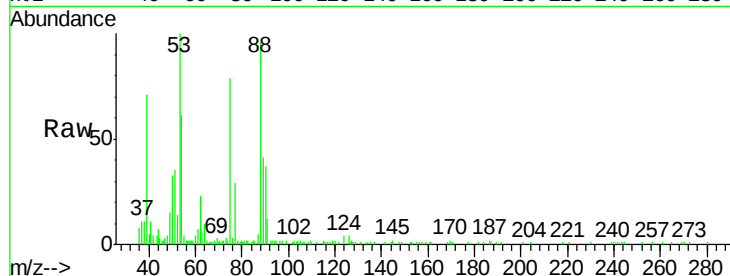
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6581
Ion	Ratio	Lower	Upper
75	100		
53	122.7	77.1	115.7#
89	50.2	38.5	57.7

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#82

4-Chlorotoluene

Concen: 5.190 ug/l

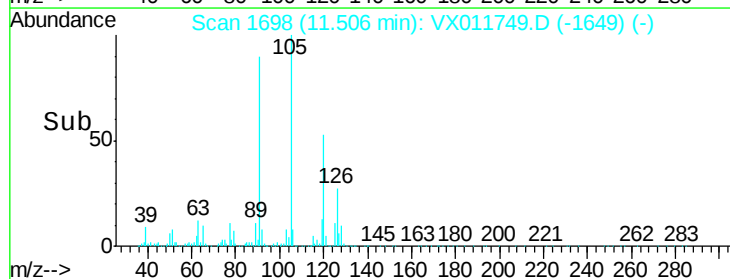
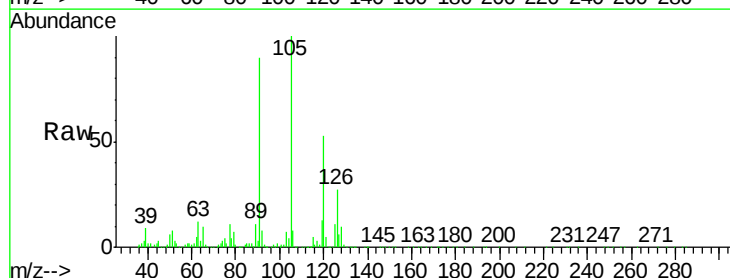
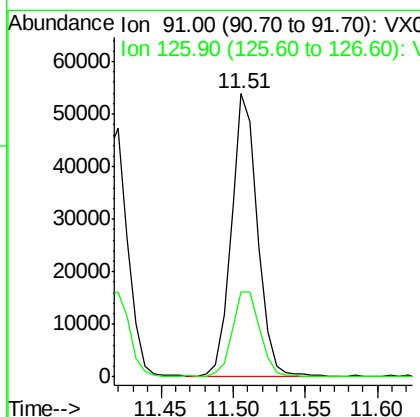
RT: 11.51 min Scan# 1698

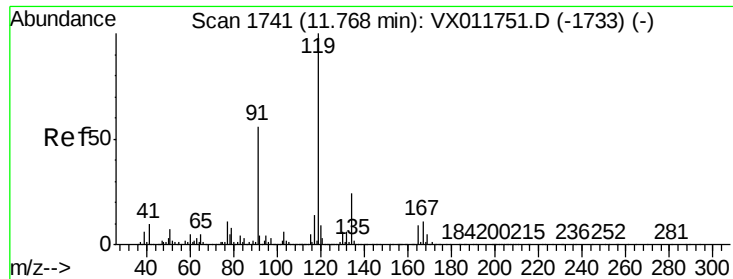
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	91	Resp:	68121
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.6





#83

tert-Butylbenzene

Concen: 5.078 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

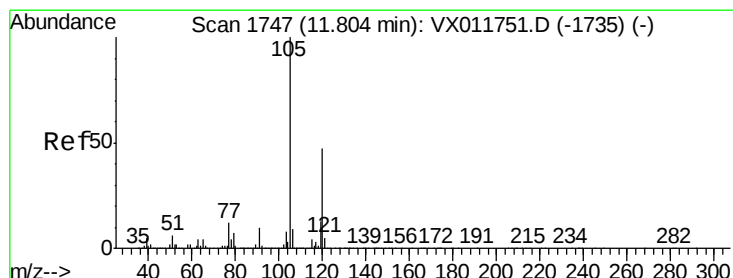
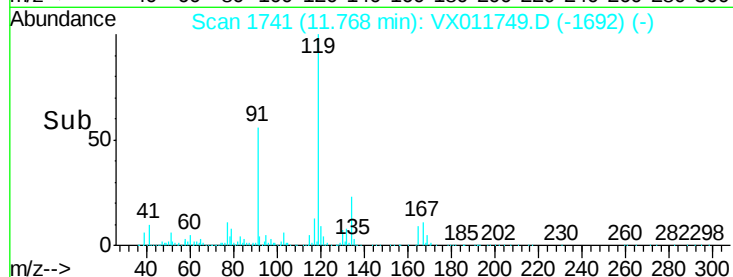
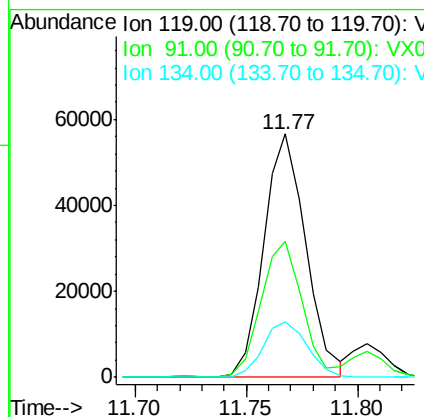
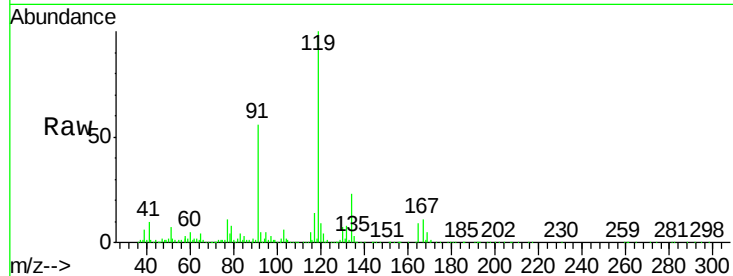
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	73981
Ion Ratio	Lower	Upper	
119	100		
91	55.1	27.7	83.1
134	24.4	11.8	35.3

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#84

1,2,4-Trimethylbenzene

Concen: 5.045 ug/l

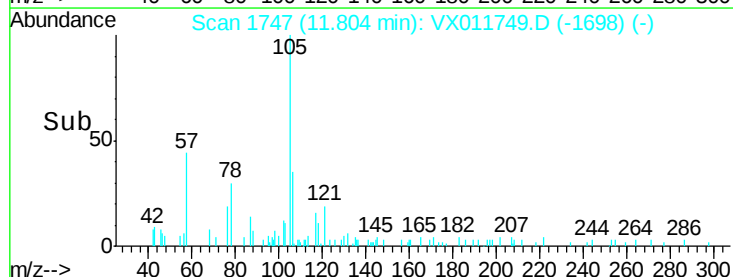
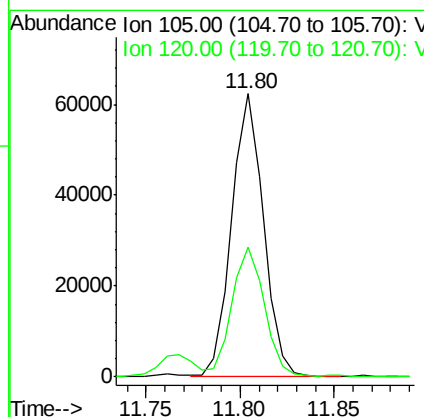
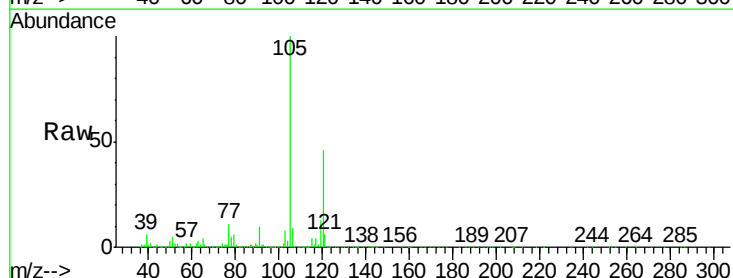
RT: 11.80 min Scan# 1747

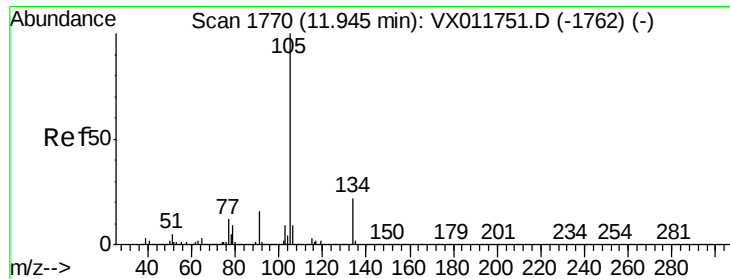
Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	105	Resp:	72624
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.7	71.1





#85

sec-Butylbenzene

Concen: 5.122 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 83881

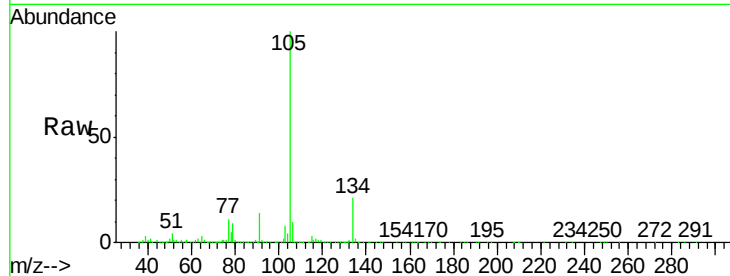
Ion Ratio Lower Upper

105 100

134 22.1 10.8 32.3

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

80000

60000

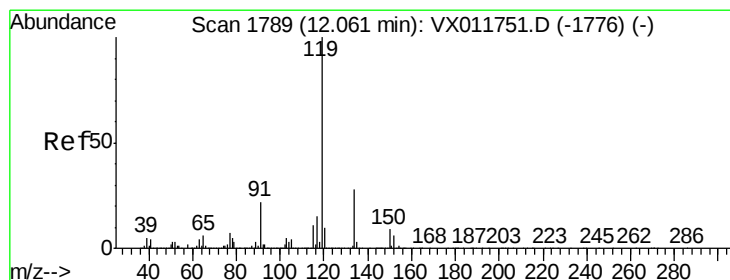
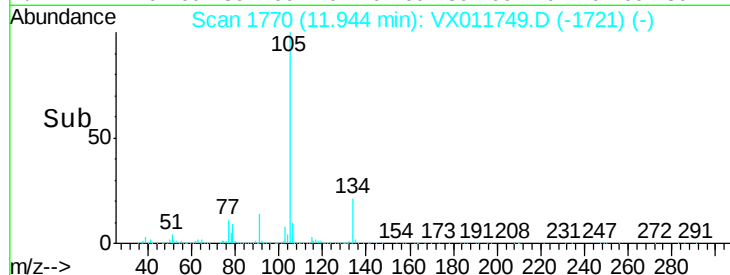
40000

20000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 5.152 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

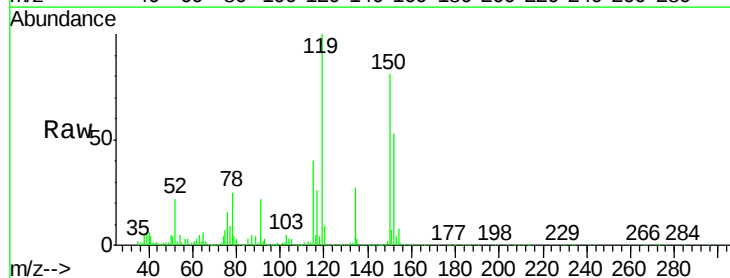
Tgt Ion:119 Resp: 79808

Ion Ratio Lower Upper

119 100

134 28.0 13.7 41.0

91 22.4 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

12.06

80000

60000

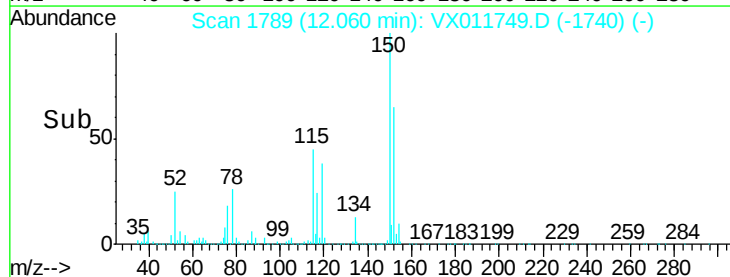
40000

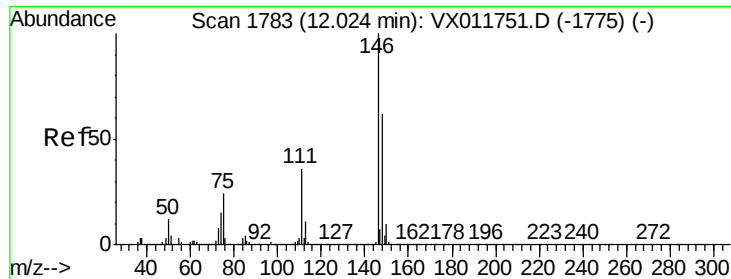
20000

0

Time-->

12.00 12.10





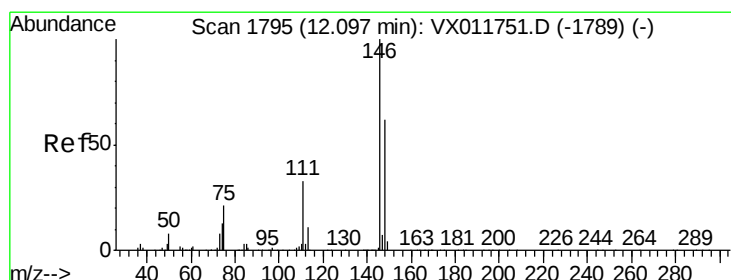
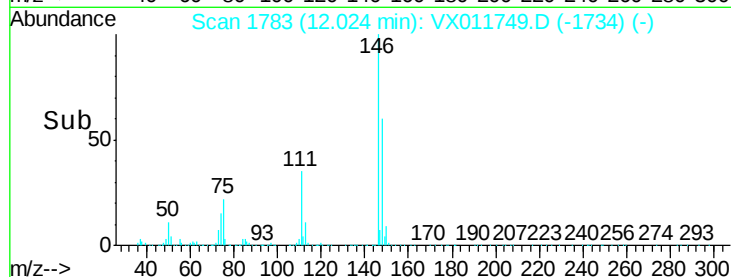
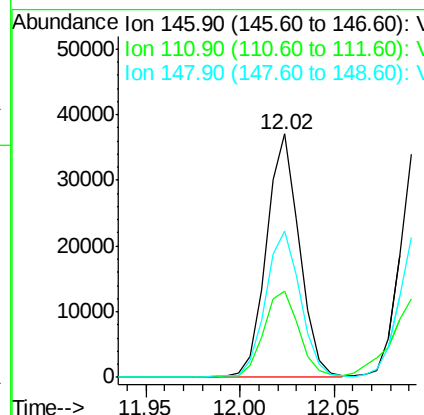
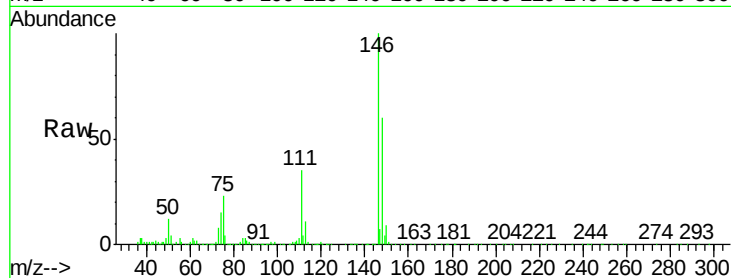
#87
 1,3-Dichlorobenzene
 Concen: 5.121 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	64.2	31.6	94.7

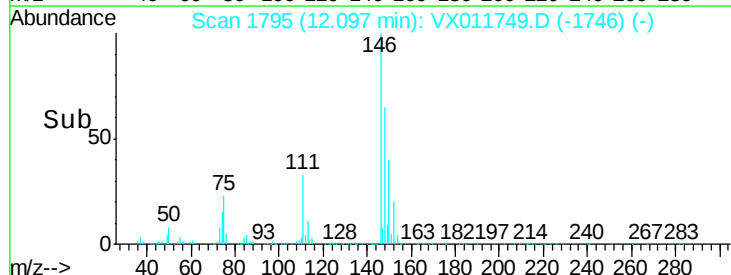
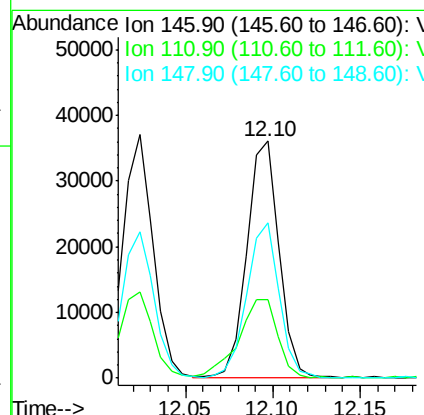
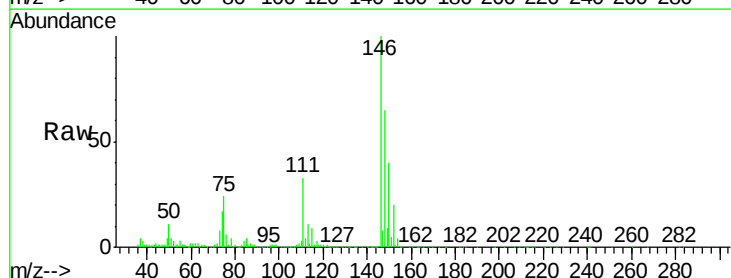
Manual Integrations
 APPROVED

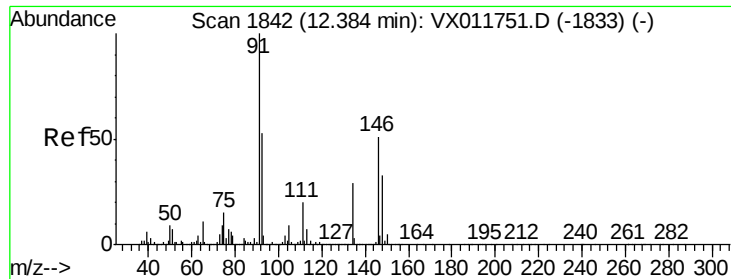
MMDadoda
 8/23/2019 1:55:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.173 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	17.8	53.4
148	66.5	31.9	95.7





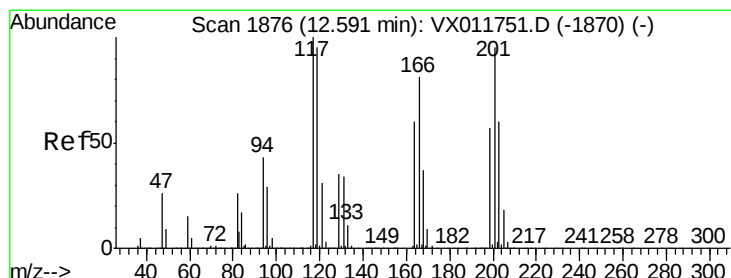
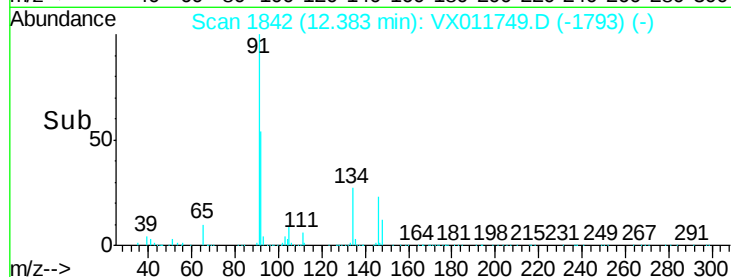
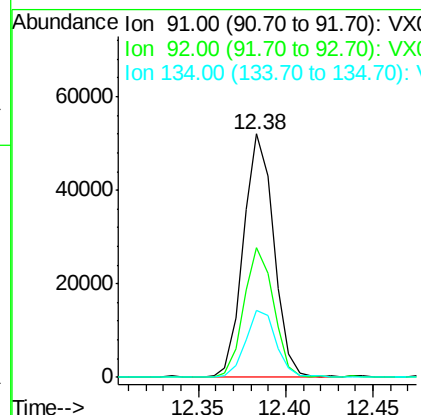
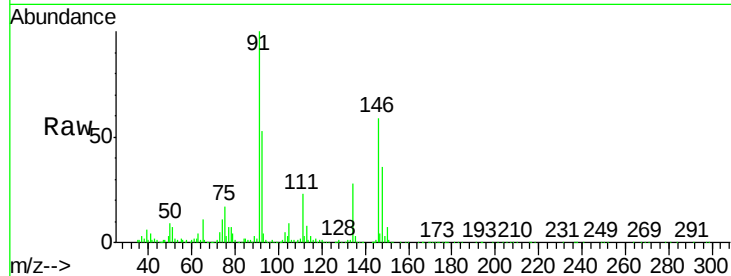
#89
n-Butylbenzene
Concen: 4.892 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	28.3	14.6	43.8

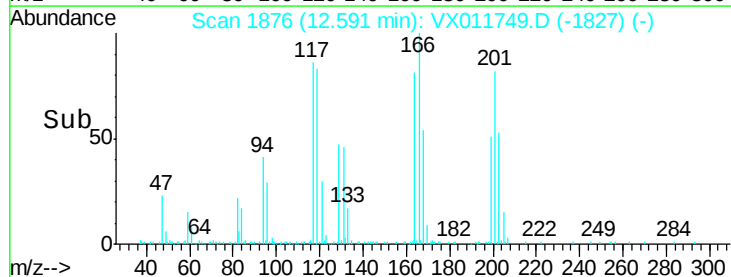
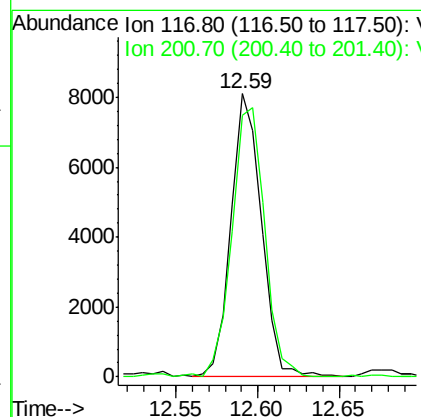
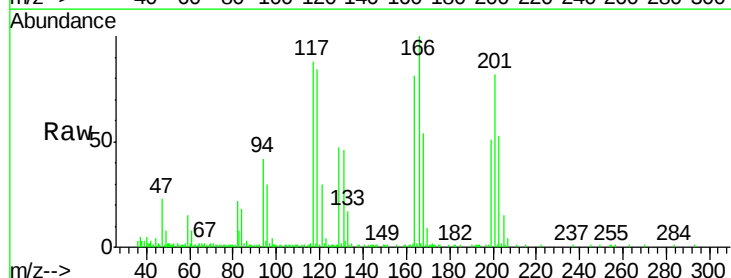
Manual Integrations
APPROVED

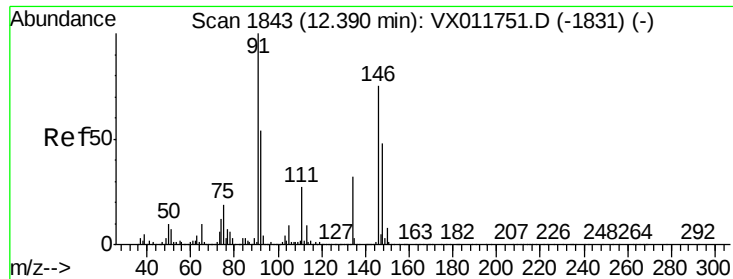
MMDadoda
8/23/2019 1:55:40 PM



#90
Hexachloroethane
Concen: 4.307 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011749.D
Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.3	49.6	149.0





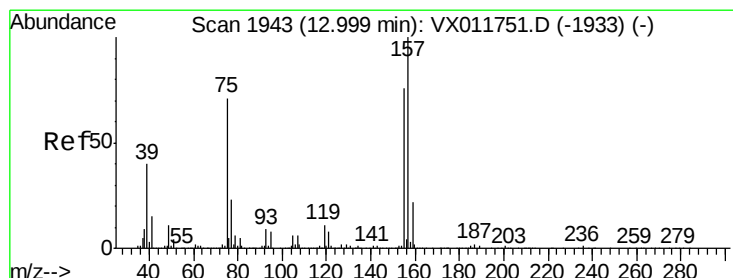
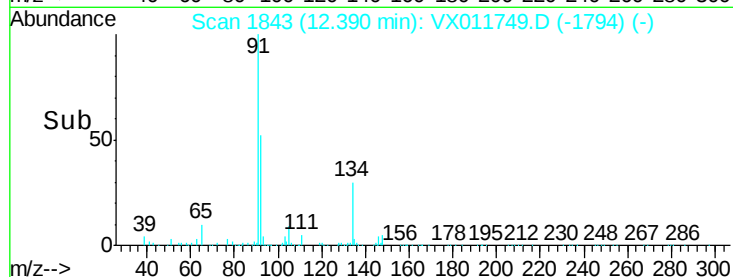
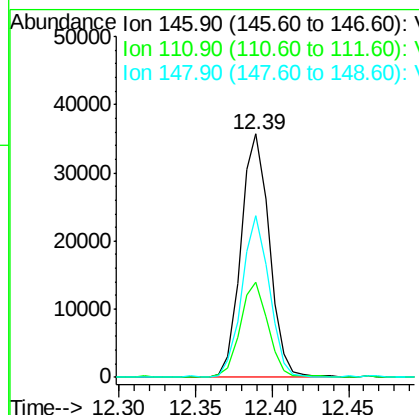
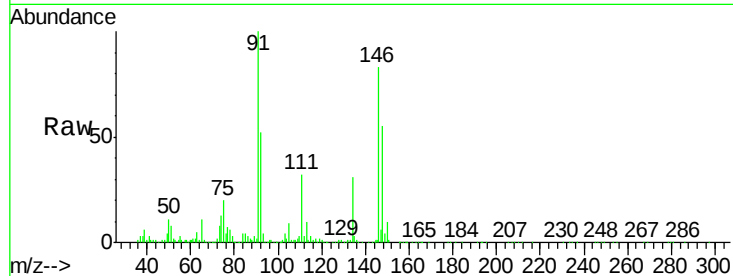
#91
 1,2-Dichlorobenzene
 Concen: 5.264 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.4
148	64.0	31.6	95.0

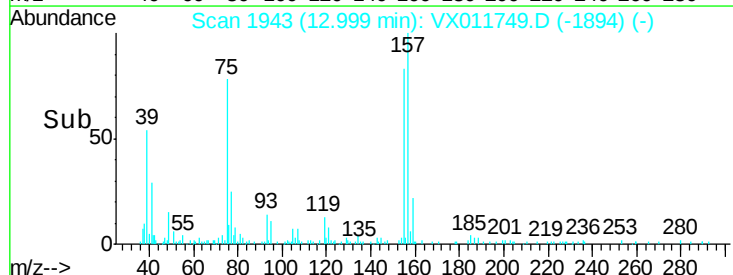
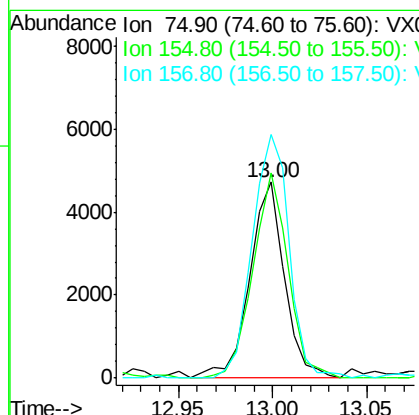
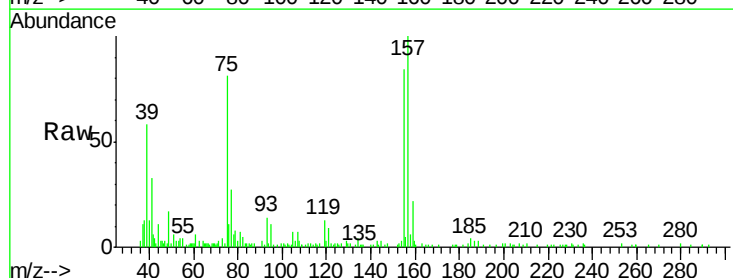
Manual Integrations
 APPROVED

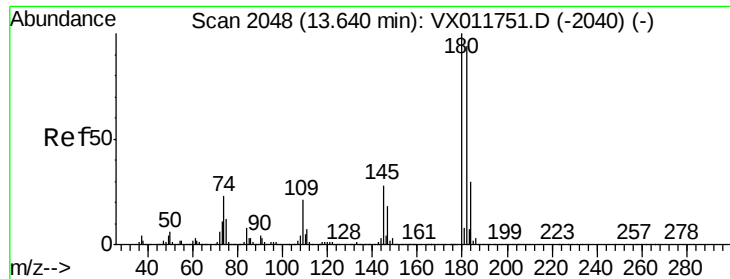
MMDadoda
 8/23/2019 1:55:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.535 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.0	52.6	157.9
157	131.1	68.3	204.9





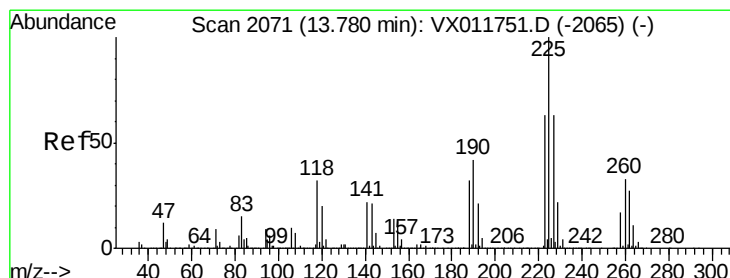
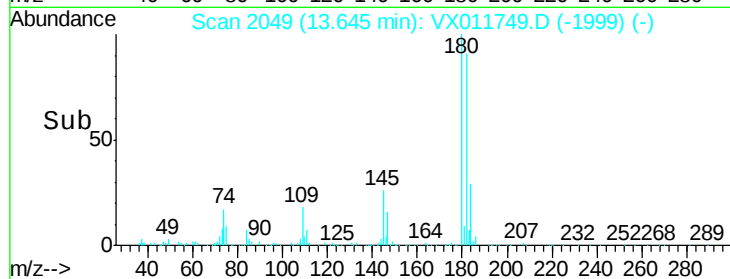
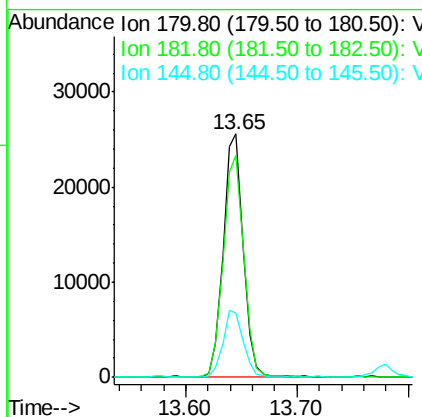
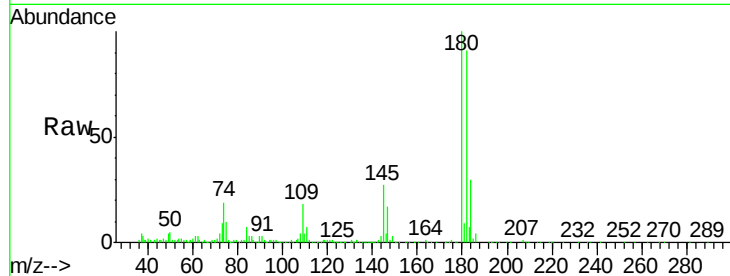
#93
 1,2,4-Trichlorobenzene
 Concen: 4.894 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	31926		
182	93.8	47.8	143.4	
145	28.5	14.1	42.3	

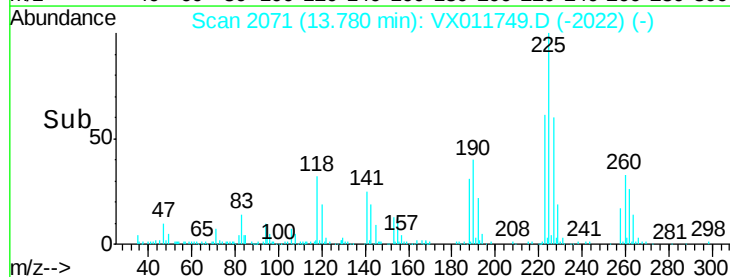
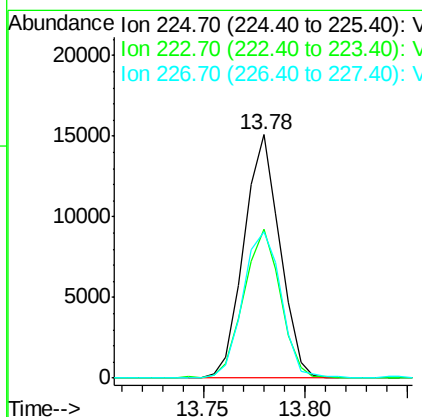
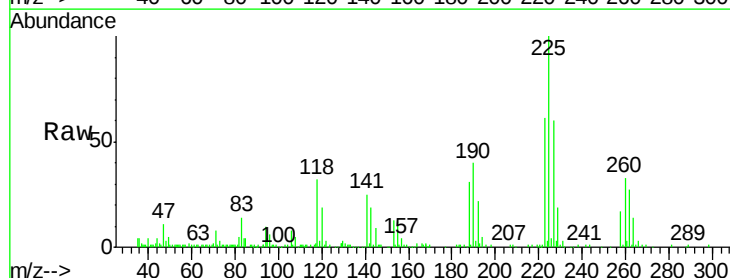
Manual Integrations
 APPROVED

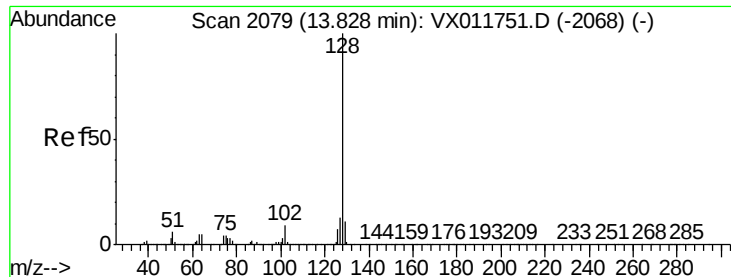
MMDadoda
 8/23/2019 1:55:40 PM



#94
 Hexachlorobutadiene
 Concen: 5.269 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011749.D
 Acq: 22 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18491		
223	62.5	31.0	93.0	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 4.661 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Instrument :

MSVOA_X

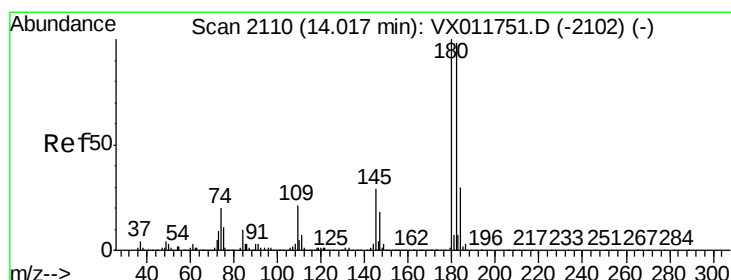
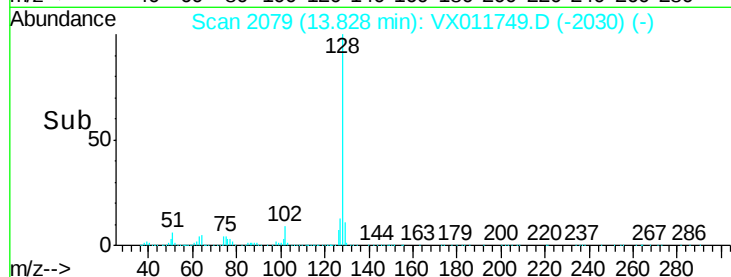
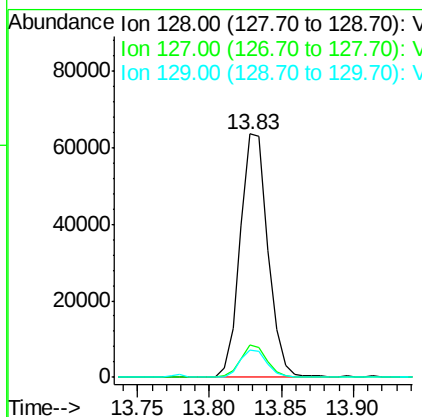
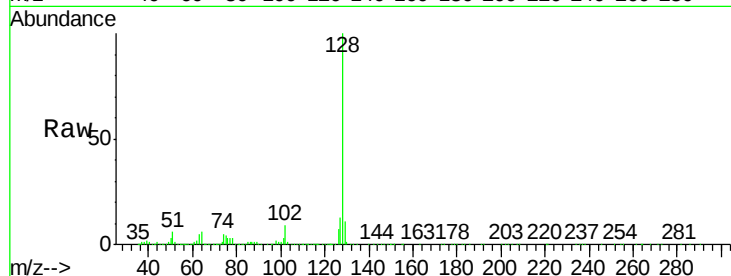
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	85170
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.010 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011749.D

Acq: 22 Aug 2019 09:19

Tgt Ion:	180	Resp:	32893
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.5
145	31.2	14.6	43.8

