

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012879.D
 Acq On : 08 Oct 2019 08:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:34 PM

Quant Time: Oct 08 13:25:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	107271	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
35) Dibromofluoromethane	5.48	113	86496	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	8.71	98	319297	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.14	95	124920	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	68708	36.875	ug/l	95
3) Chloromethane	1.32	50	77737	36.333	ug/l	99
4) Vinyl Chloride	1.40	62	83638	39.328	ug/l	95
5) Bromomethane	1.62	94	32714	39.124	ug/l	96
6) Chloroethane	1.70	64	57074	39.810	ug/l	97
7) Trichlorofluoromethane	1.92	101	126259	42.286	ug/l	98
8) Diethyl Ether	2.18	74	52334	42.769	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81608	44.873	ug/l	98
10) Methyl Iodide	2.50	142	75985	40.685	ug/l	93
11) Tert butyl alcohol	3.04	59	136633	226.776	ug/l	98
12) 1,1-Dichloroethene	2.36	96	81278	45.641	ug/l	97
13) Acrolein	2.28	56	67279	202.483	ug/l	98
14) Allyl chloride	2.72	41	146023	41.330	ug/l	95
15) Acrylonitrile	3.13	53	277249	226.816	ug/l	99
16) Acetone	2.44	43	233209	182.547	ug/l	97
17) Carbon Disulfide	2.56	76	198320	39.724	ug/l	98
18) Methyl Acetate	2.76	43	141812	47.143	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	310897	46.124	ug/l	98
20) Methylene Chloride	2.84	84	95643	44.263	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	86688	43.940	ug/l	97
22) Diisopropyl ether	3.84	45	306276	44.863	ug/l	98
23) Vinyl Acetate	3.80	43	1288961	215.296	ug/l	97
24) 1,1-Dichloroethane	3.69	63	169417	45.653	ug/l	99
25) 2-Butanone	4.66	43	379101	206.957	ug/l	96
26) 2,2-Dichloropropane	4.58	77	88022	26.669	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	105418	46.051	ug/l	88
28) Bromochloromethane	5.00	49	61645	45.749	ug/l	93
29) Tetrahydrofuran	5.12	42	241631	216.422	ug/l	94
30) Chloroform	5.20	83	171129	45.074	ug/l	96
31) Cyclohexane	5.57	56	145286	43.276	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	148865	44.241	ug/l	99
36) 1,1-Dichloropropene	5.79	75	123452	44.725	ug/l	98
37) Ethyl Acetate	4.83	43	145722	45.157	ug/l	97
38) Carbon Tetrachloride	5.77	117	126403	45.081	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012879.D
 Acq On : 08 Oct 2019 08:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:34 PM

Quant Time: Oct 08 13:25:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	144333	43.435	ug/l	96
40) Benzene	6.14	78	374696	46.137	ug/l	99
41) Methacrylonitrile	5.03	41	83569	46.156	ug/l	94
42) 1,2-Dichloroethane	6.18	62	139151	45.120	ug/l	97
43) Isopropyl Acetate	6.44	43	242299	44.899	ug/l	96
44) Trichloroethene	7.20	130	97206	46.819	ug/l	99
45) 1,2-Dichloropropane	7.51	63	99424	47.817	ug/l	99
46) Dibromomethane	7.65	93	66314	46.843	ug/l	99
47) Bromodichloromethane	7.89	83	133187	47.073	ug/l	99
48) Methyl methacrylate	7.76	41	116311	44.949	ug/l	91
49) 1,4-Dioxane	7.73	88	50924	867.651	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	753960	226.333	ug/l	95
52) Toluene	8.78	92	241968	47.404	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	138408	44.213	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	150681	44.085	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	100027	49.290	ug/l	98
56) Ethyl methacrylate	9.17	69	164244	48.175	ug/l	90
57) 1,3-Dichloropropane	9.37	76	167347	47.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	380733	248.789	ug/l	100
59) 2-Hexanone	9.49	43	577389	226.442	ug/l	93
60) Dibromochloromethane	9.58	129	102156	49.728	ug/l	99
61) 1,2-Dibromoethane	9.67	107	104062	49.272	ug/l	99
64) Tetrachloroethene	9.33	164	90957	51.197	ug/l	93
65) Chlorobenzene	10.14	112	258263	48.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	95850	49.301	ug/l	98
67) Ethyl Benzene	10.25	91	462416	47.514	ug/l	100
68) m/p-Xylenes	10.36	106	344594	94.521	ug/l	98
69) o-Xylene	10.70	106	171040	48.485	ug/l	98
70) Styrene	10.71	104	297417	50.292	ug/l	98
71) Bromoform	10.85	173	71940	53.142	ug/l #	99
73) Isopropylbenzene	11.01	105	453362	45.954	ug/l	99
74) N-amyl acetate	10.89	43	214964	45.674	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	158727	48.580	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	145743m	45.486	ug/l	
77) Bromobenzene	11.25	156	104368	46.743	ug/l	98
78) n-propylbenzene	11.35	91	504265	45.401	ug/l	100
79) 2-Chlorotoluene	11.42	91	315373	45.517	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	387297	46.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	41265	36.907	ug/l	95
82) 4-Chlorotoluene	11.51	91	358839	45.432	ug/l	99
83) tert-Butylbenzene	11.77	119	374731	46.956	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	390195	46.754	ug/l	100
85) sec-Butylbenzene	11.94	105	442863	47.711	ug/l	99
86) p-Isopropyltoluene	12.06	119	399885	47.745	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	195215	48.582	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	197653	48.678	ug/l	99
89) n-Butylbenzene	12.39	91	327958	44.437	ug/l	99
90) Hexachloroethane	12.59	117	68888	46.135	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	197739	49.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38539	47.154	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012879.D
Acq On : 08 Oct 2019 08:19
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

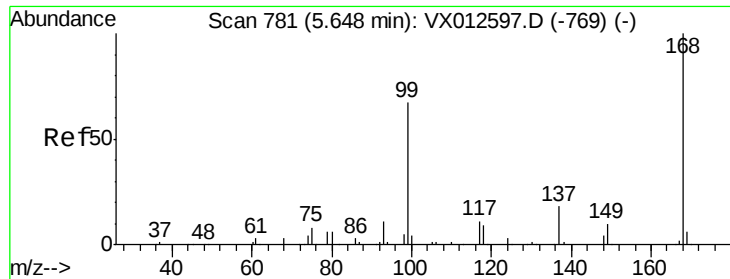
Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM

Quant Time: Oct 08 13:25:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	123286	50.252	ug/l	100
94) Hexachlorobutadiene	13.78	225	51755	49.037	ug/l	99
95) Naphthalene	13.83	128	444993	50.133	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	125088	50.899	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 165629

Ion Ratio Lower Upper

168 100

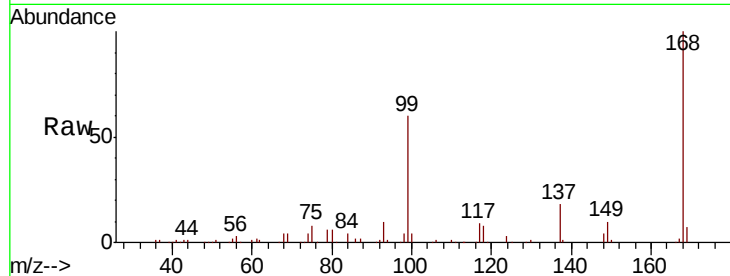
99 60.2 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

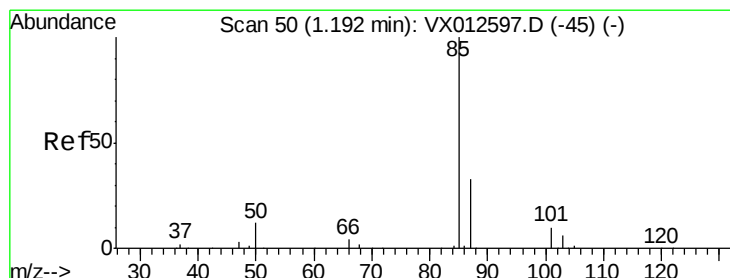
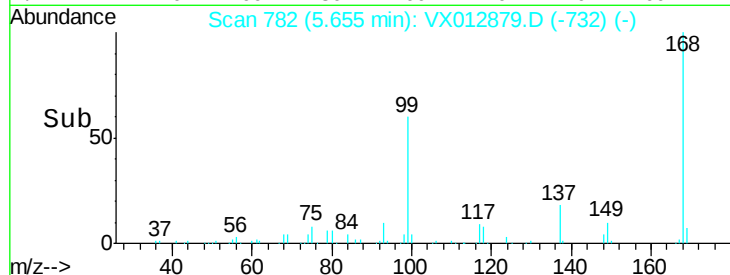
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 36.875 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012879.D

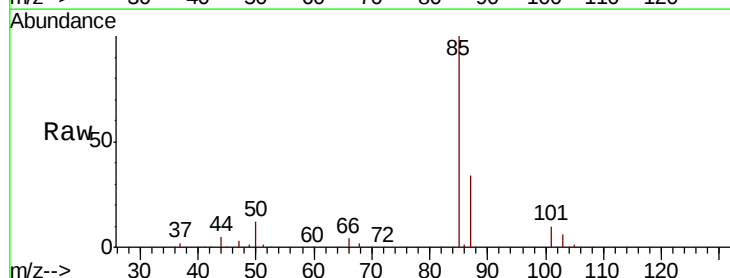
Acq: 08 Oct 2019 08:19

Tgt Ion: 85 Resp: 68708

Ion Ratio Lower Upper

85 100

87 33.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

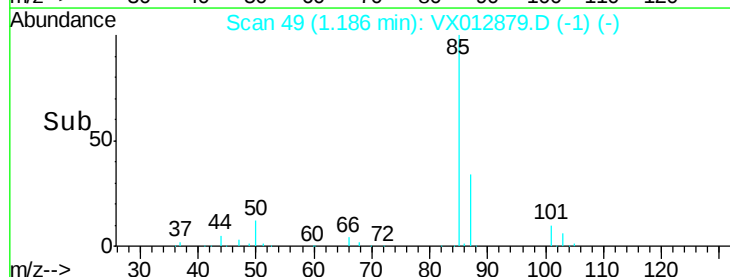
60000

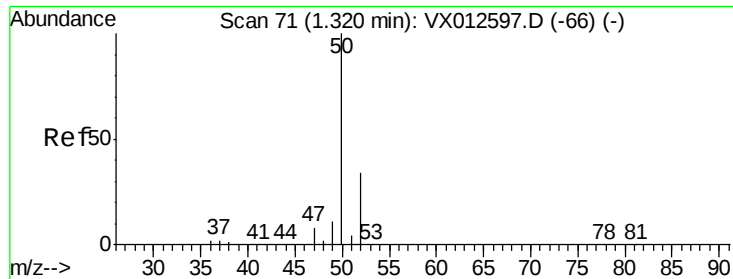
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 36.333 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 77737

Ion Ratio Lower Upper

50 100

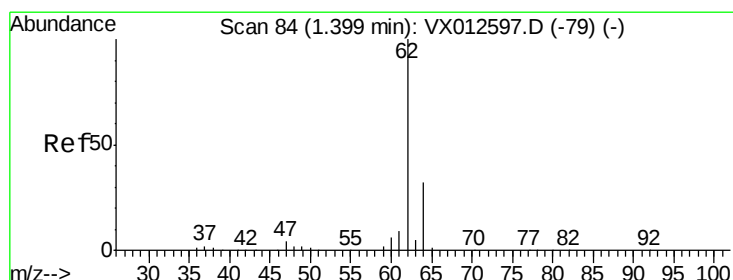
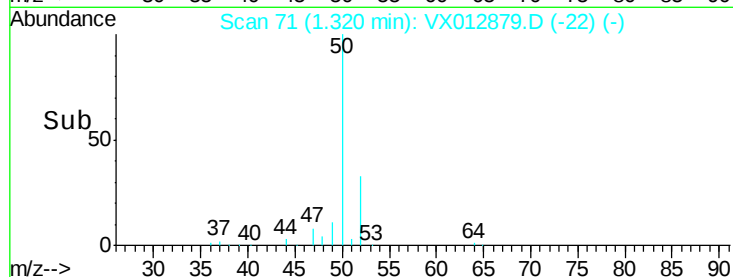
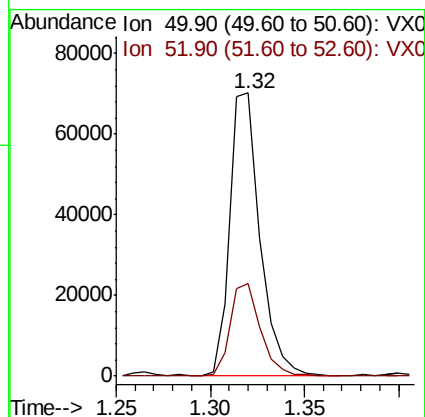
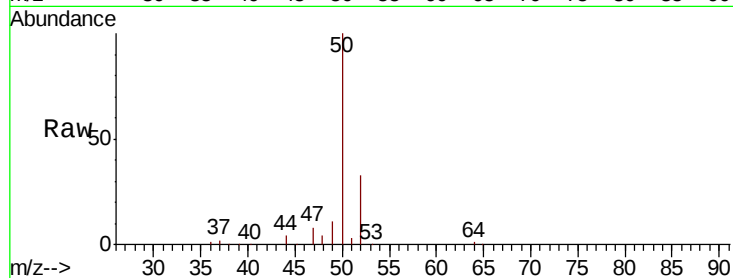
52 32.6 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



#4

Vinyl Chloride

Concen: 39.328 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012879.D

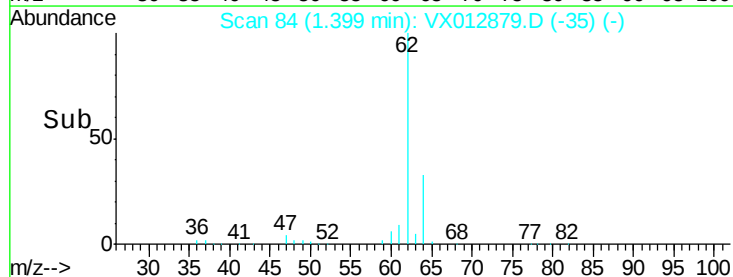
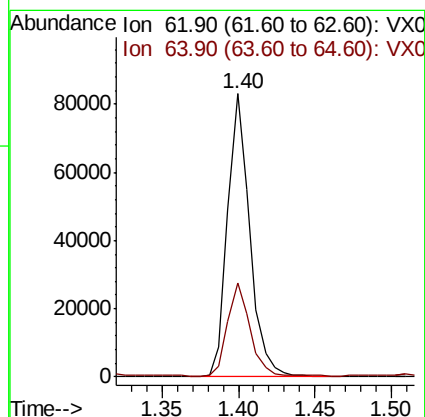
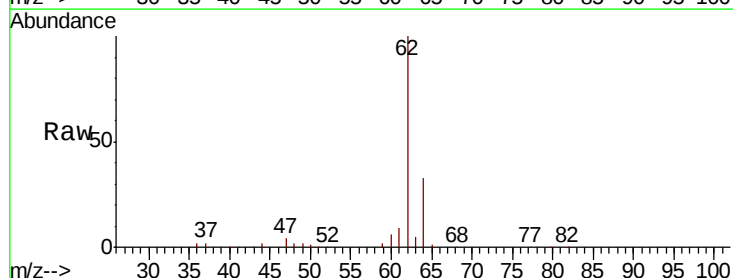
Acq: 08 Oct 2019 08:19

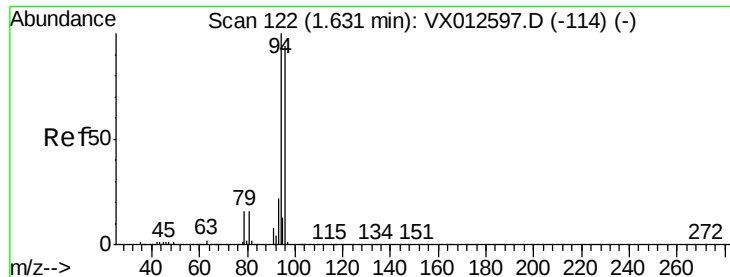
Tgt Ion: 62 Resp: 83638

Ion Ratio Lower Upper

62 100

64 33.0 24.2 36.2





#5

Bromomethane

Concen: 39.124 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 32714

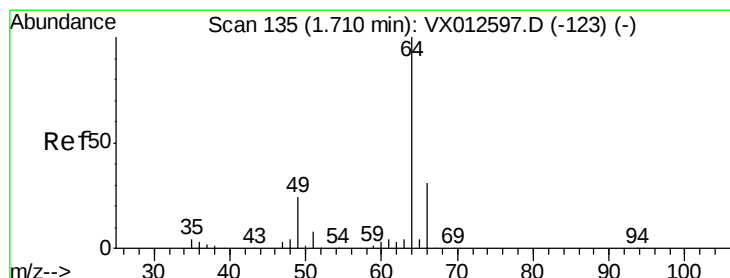
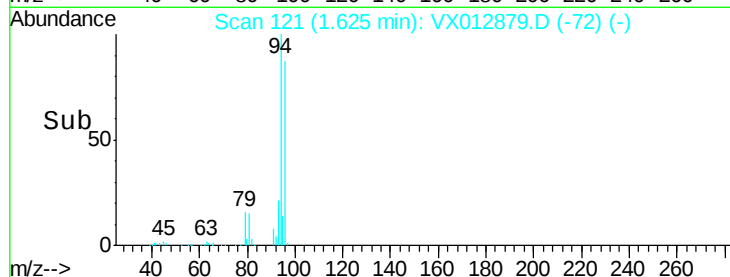
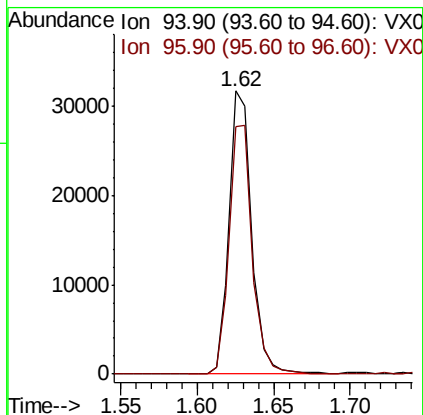
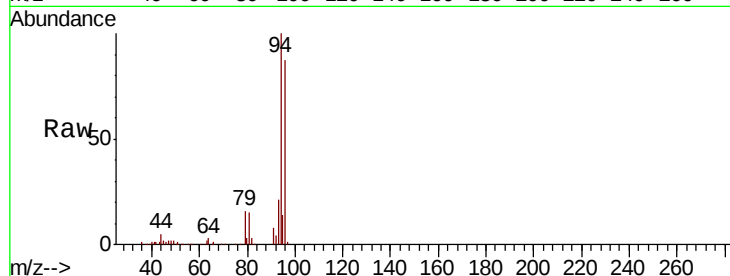
Ion Ratio Lower Upper

94 100

96 87.5 72.8 109.2

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#6

Chloroethane

Concen: 39.810 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012879.D

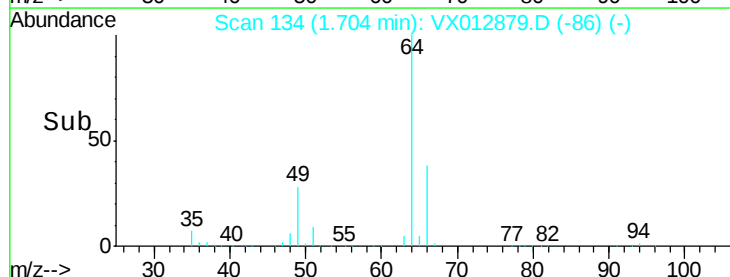
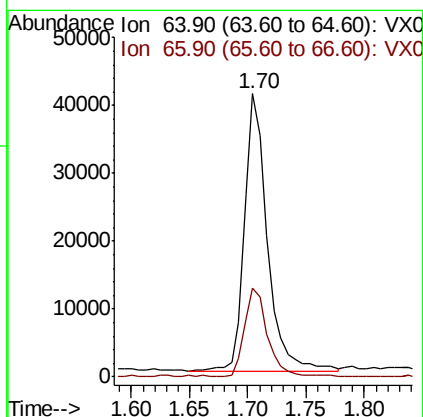
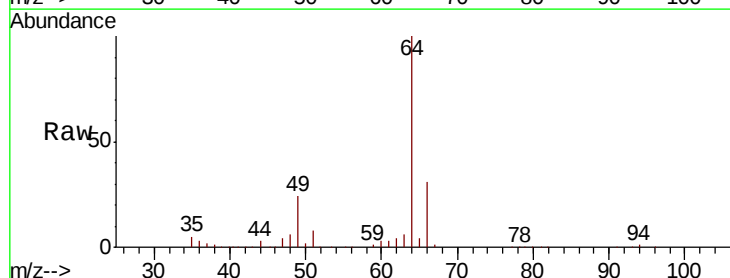
Acq: 08 Oct 2019 08:19

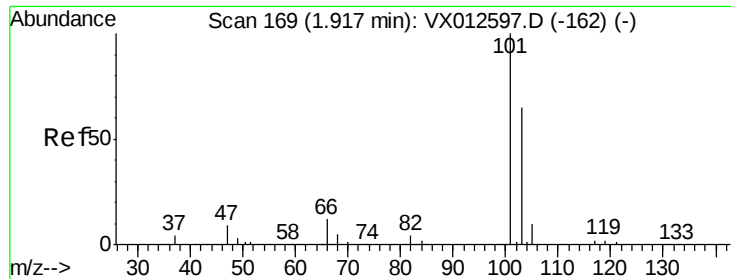
Tgt Ion: 64 Resp: 57074

Ion Ratio Lower Upper

64 100

66 31.6 24.0 36.0





#7

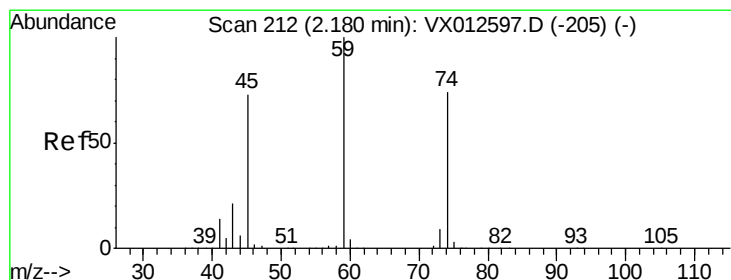
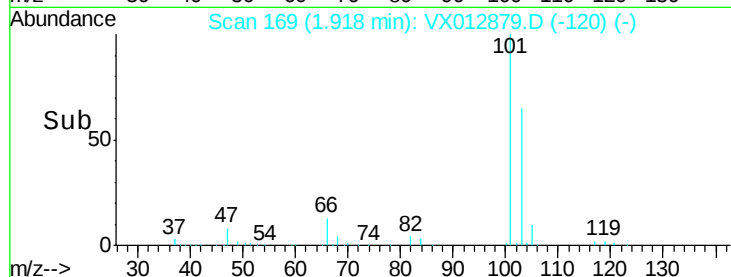
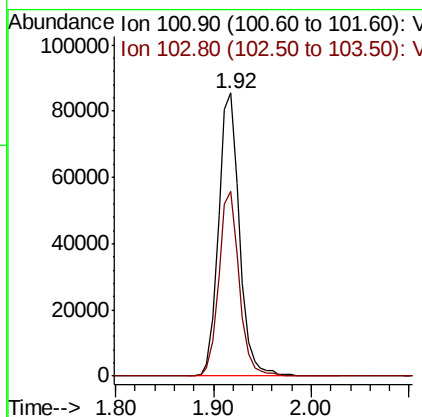
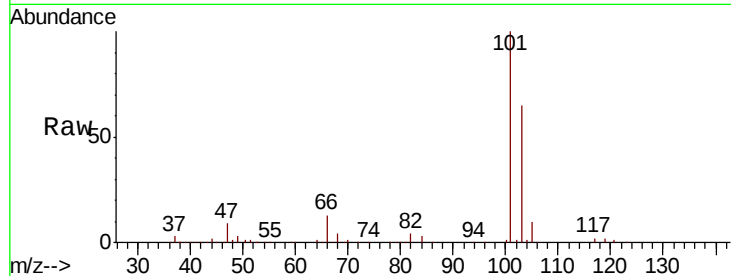
Trichlorofluoromethane
Concen: 42.286 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

Manual Integrations
APPROVED

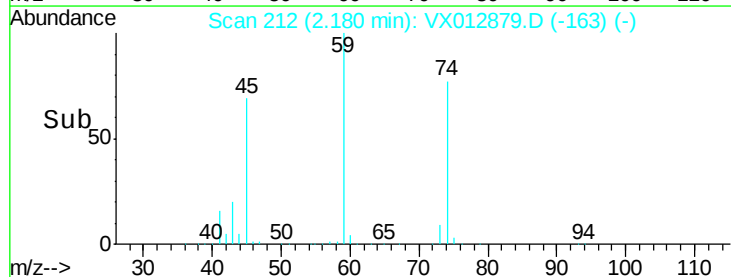
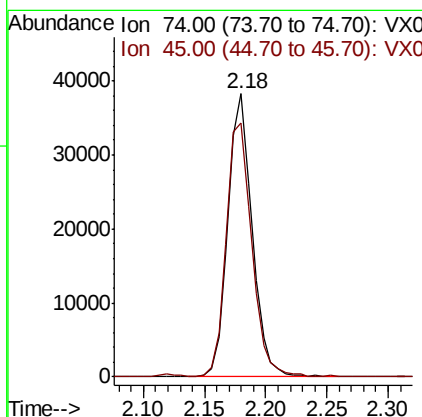
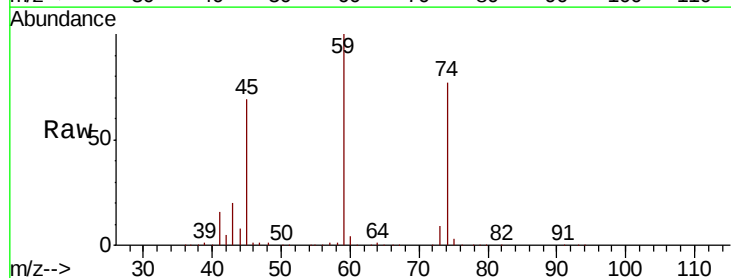
MMDadoda
10/8/2019 2:07:34 PM

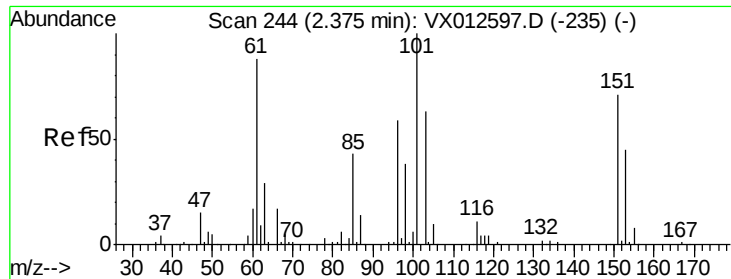


#8

Diethyl Ether
Concen: 42.769 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	49.9	149.7





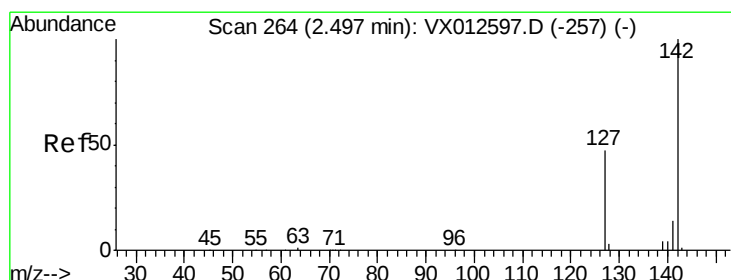
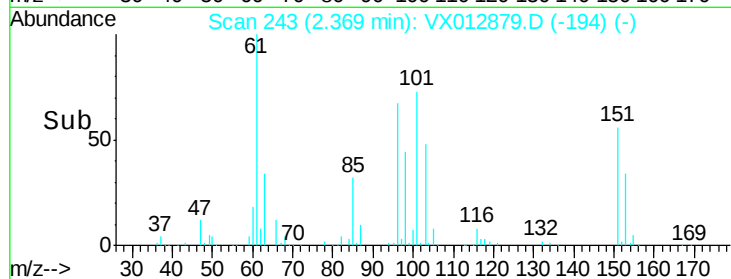
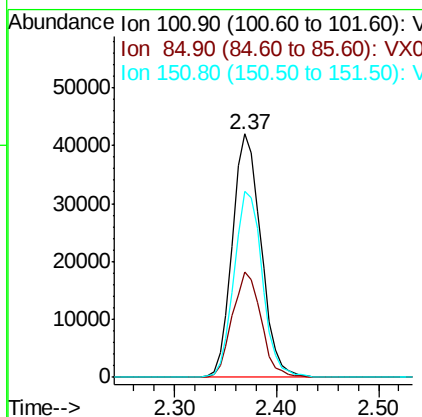
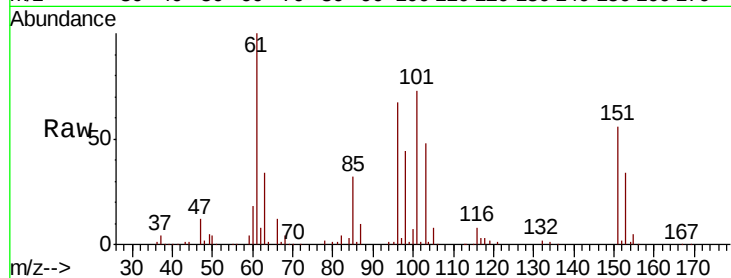
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.873 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	37.3	55.9
151	75.7	61.0	91.4

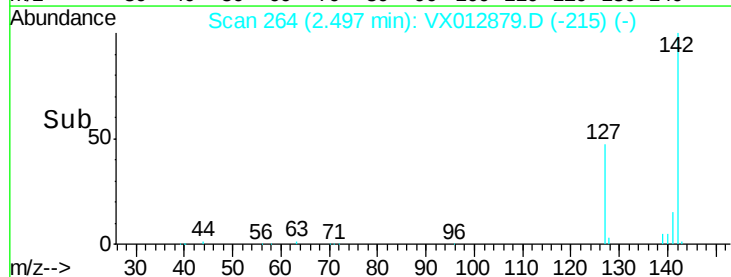
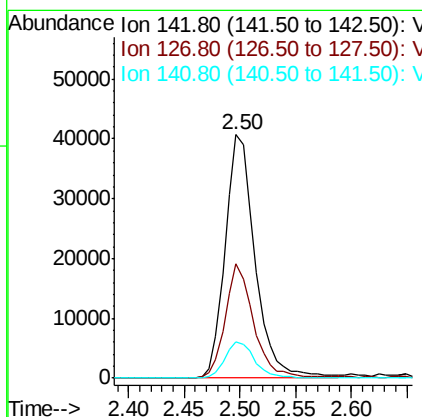
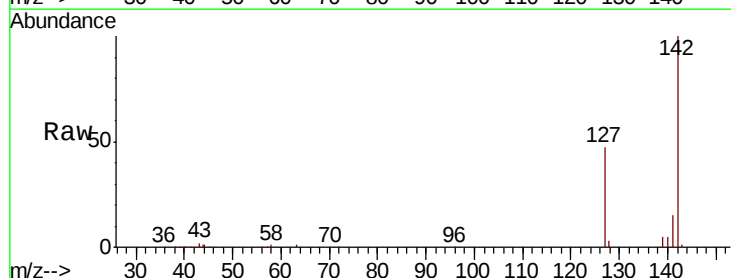
Manual Integrations
 APPROVED

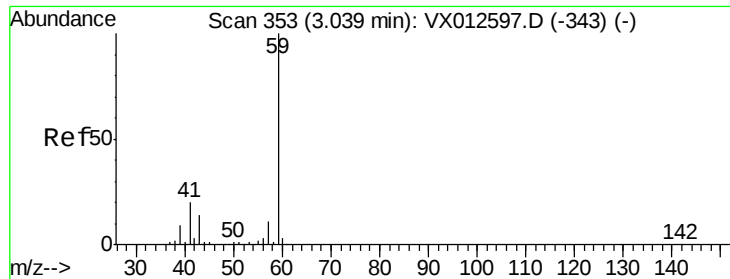
MMDadoda
 10/8/2019 2:07:34 PM



#10
 Methyl Iodide
 Concen: 40.685 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.7	40.8	61.2
141	15.1	12.1	18.1





#11

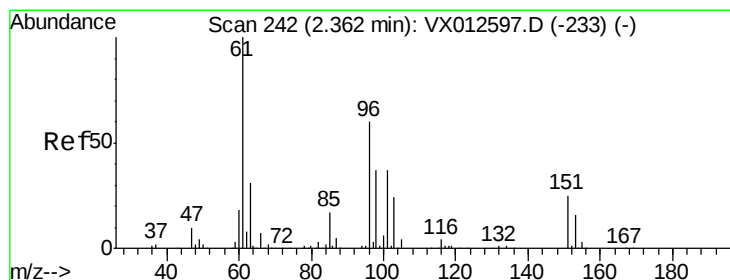
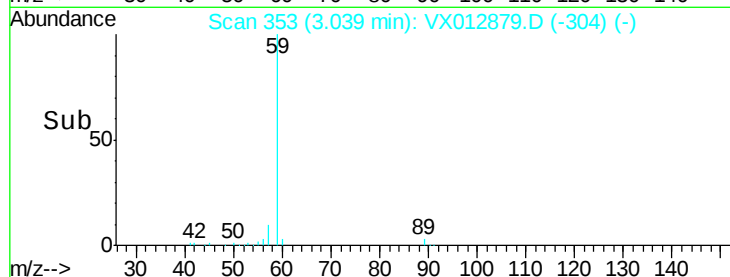
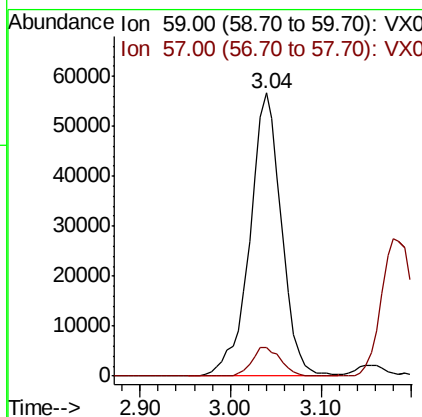
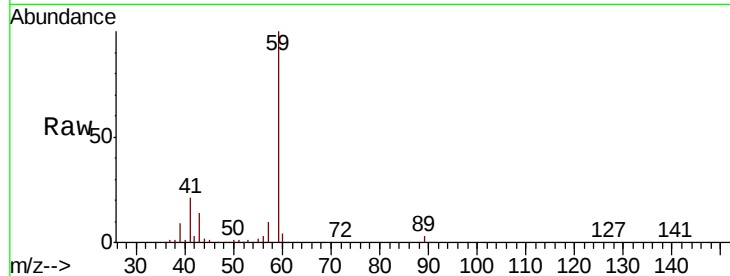
Tert butyl alcohol
Concen: 226.776 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

Manual Integrations
APPROVED

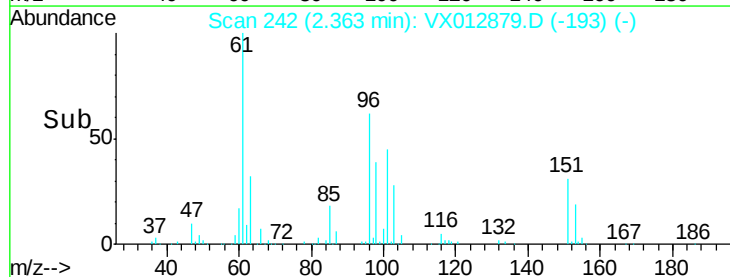
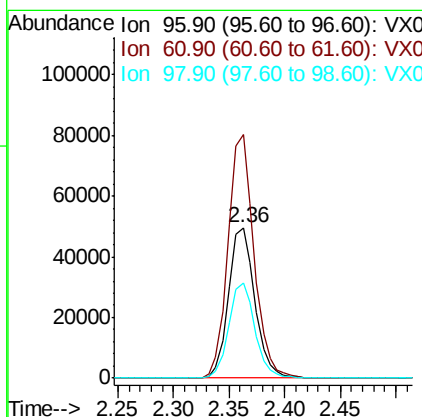
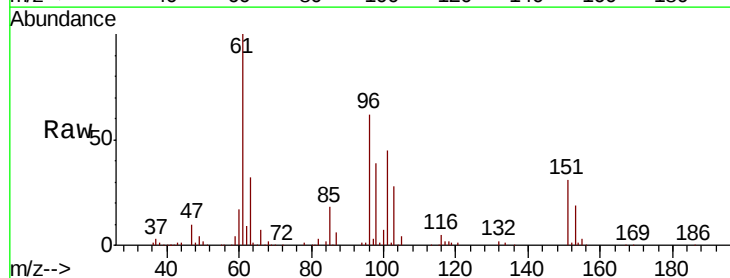
MMDadoda
10/8/2019 2:07:34 PM

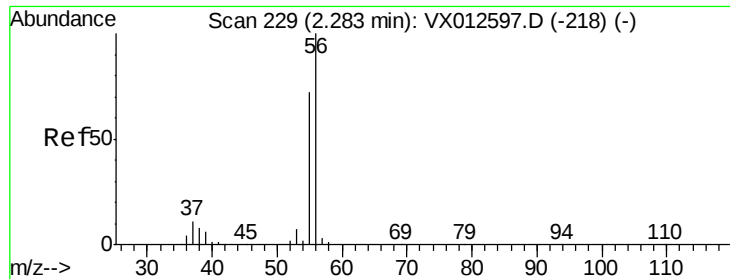


#12

1,1-Dichloroethene
Concen: 45.641 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	133.8	200.6
98	63.1	49.9	74.9





#13

Acrolein

Concen: 202.483 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67279

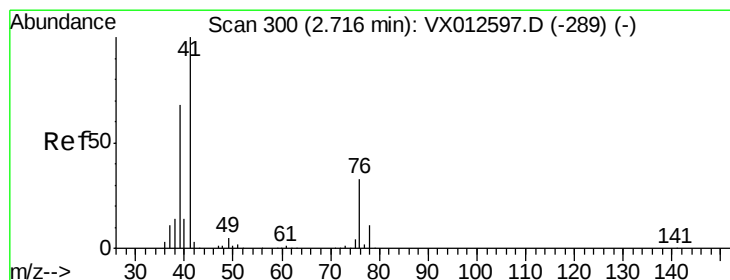
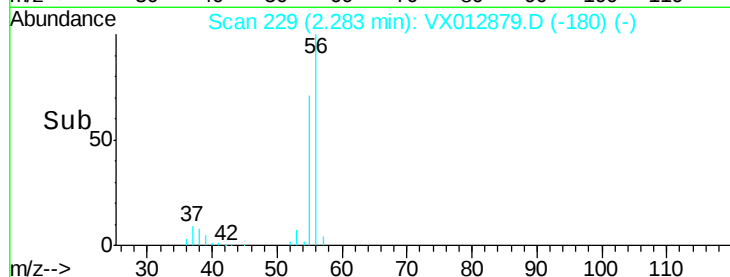
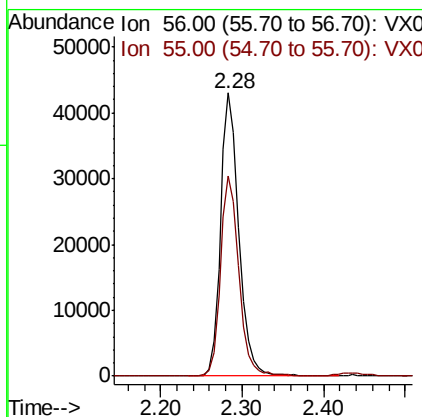
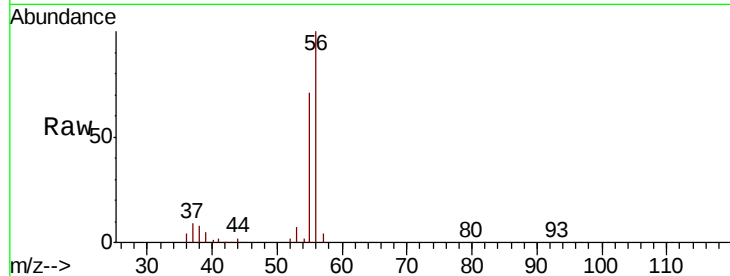
Ion Ratio Lower Upper

56 100

55 71.2 55.8 83.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#14

Allyl chloride

Concen: 41.330 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

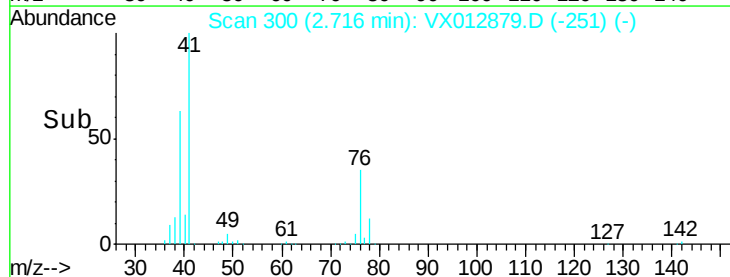
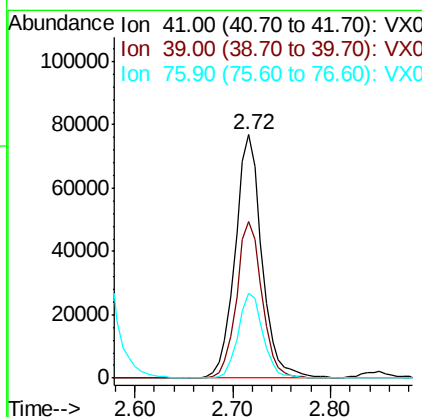
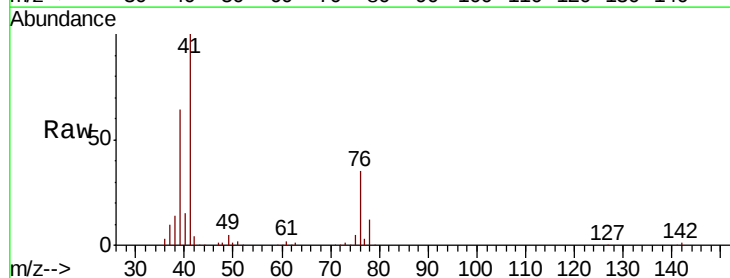
Tgt Ion: 41 Resp: 146023

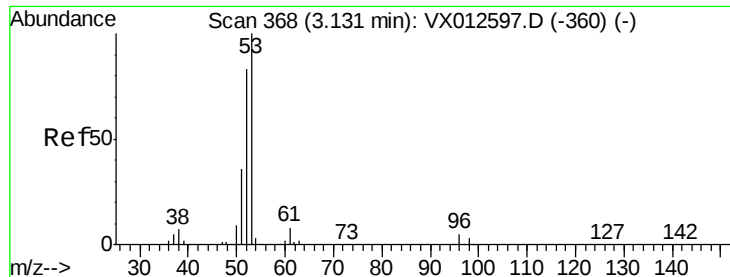
Ion Ratio Lower Upper

41 100

39 61.1 51.3 76.9

76 32.5 22.6 33.8





#15

Acrylonitrile

Concen: 226.816 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

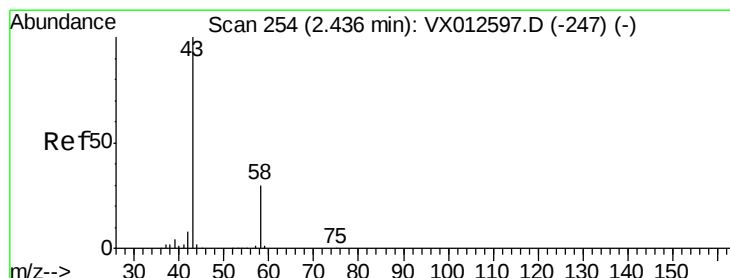
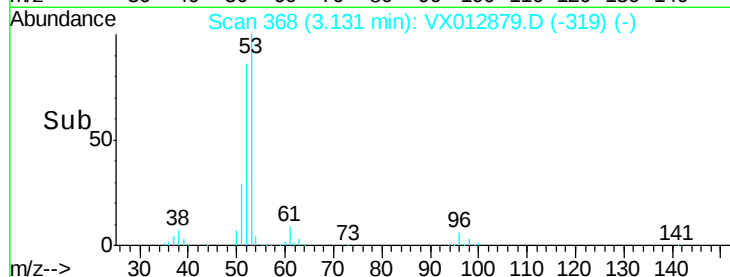
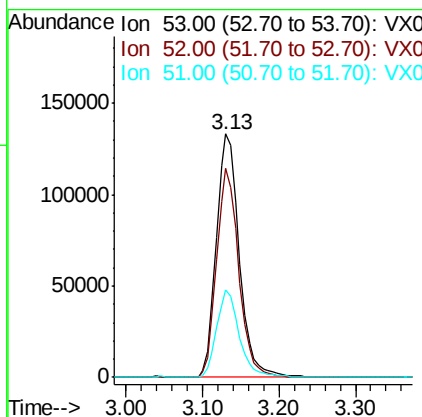
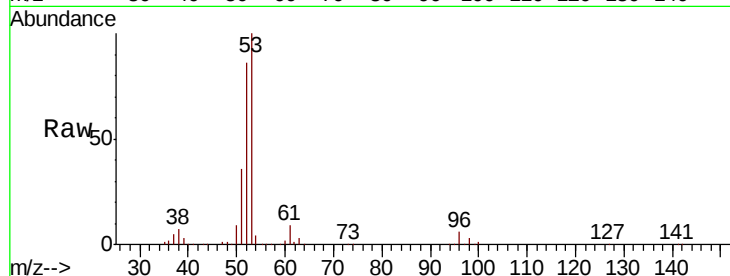
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	277249
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.0	100.4
51	35.5	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#16

Acetone

Concen: 182.547 ug/l

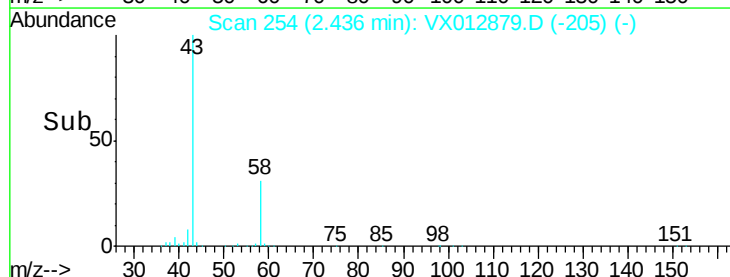
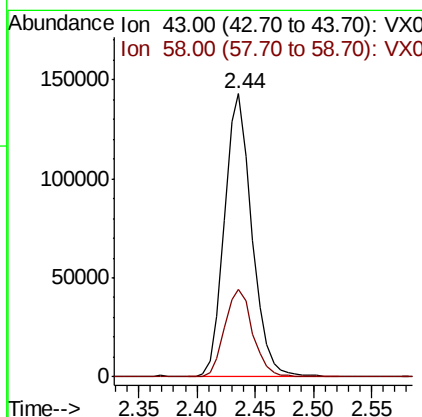
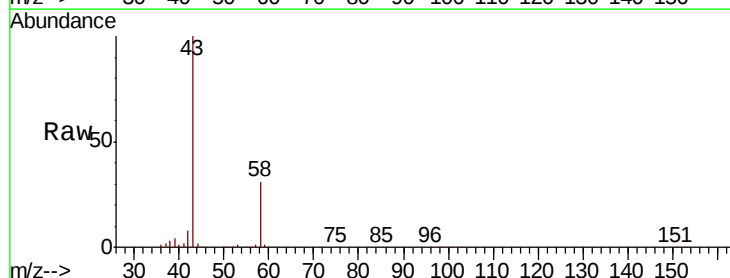
RT: 2.44 min Scan# 254

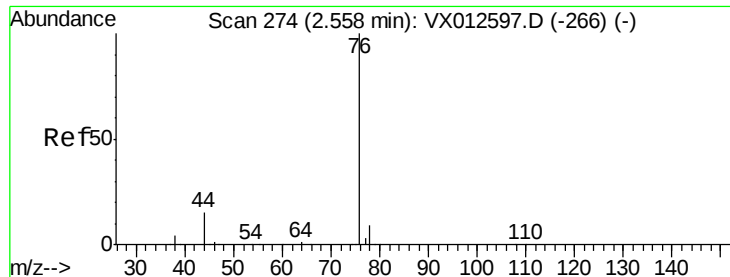
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	43	Resp:	233209
Ion	Ratio	Lower	Upper
43	100		
58	30.9	23.3	34.9





#17

Carbon Disulfide

Concen: 39.724 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 198320

Ion Ratio Lower Upper

76 100

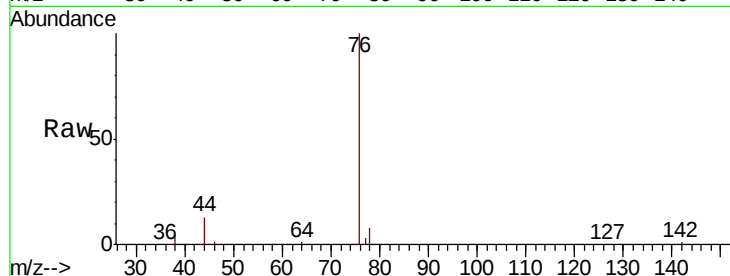
78 8.3 7.3 10.9

Manual Integrations

APPROVED

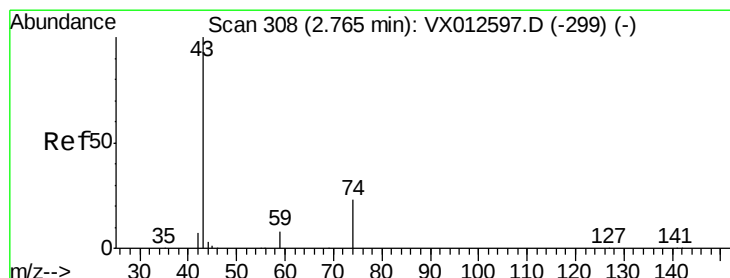
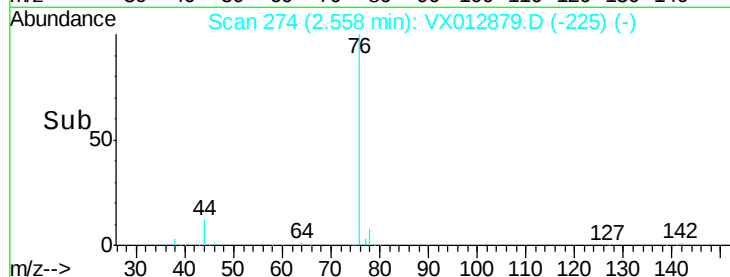
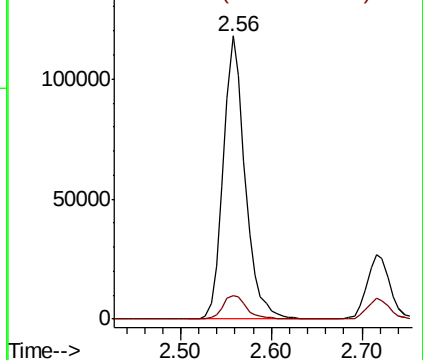
MMDadoda

10/8/2019 2:07:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 47.143 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012879.D

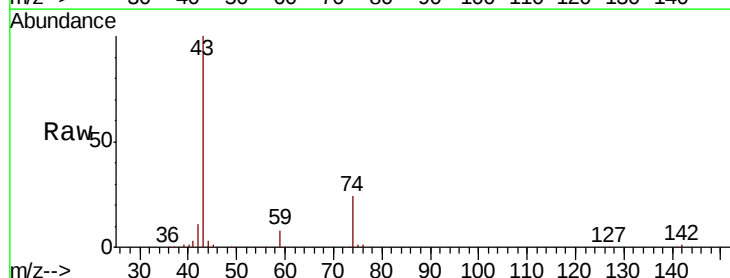
Acq: 08 Oct 2019 08:19

Tgt Ion: 43 Resp: 141812

Ion Ratio Lower Upper

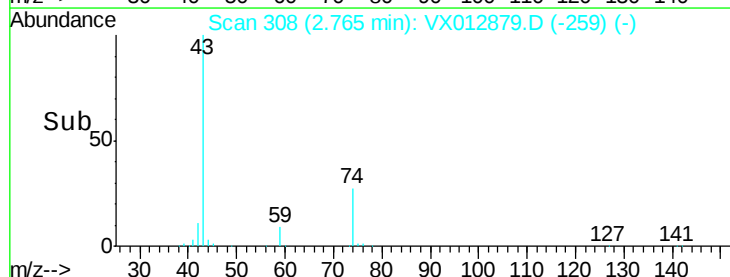
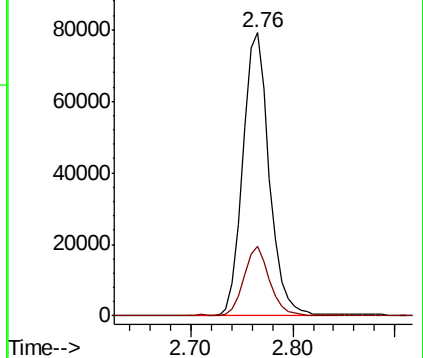
43 100

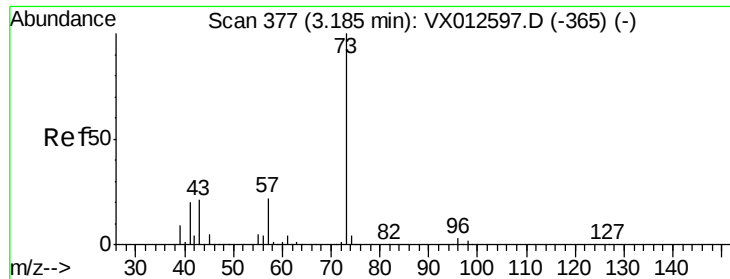
74 23.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





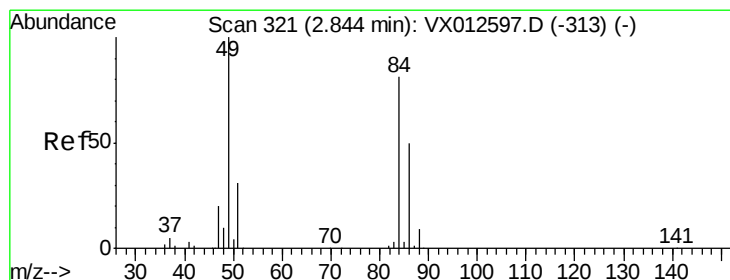
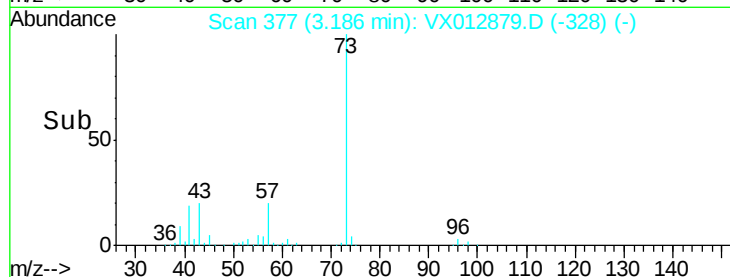
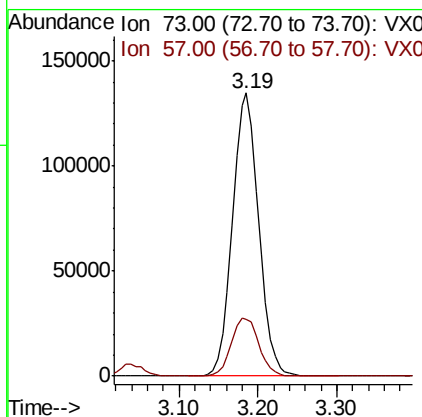
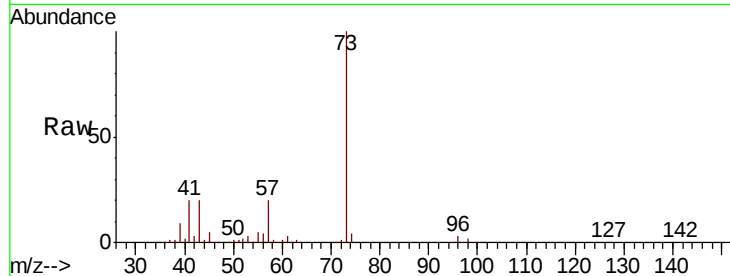
#19
Methyl tert-butyl Ether
Concen: 46.124 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	16.8	25.2

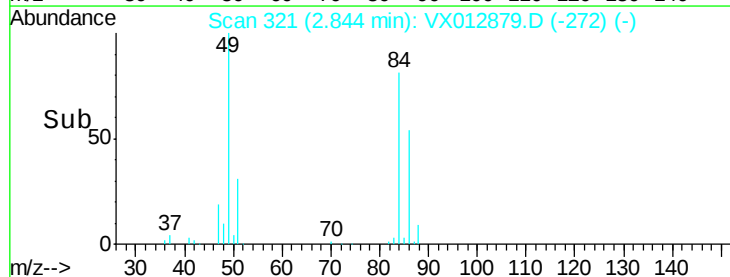
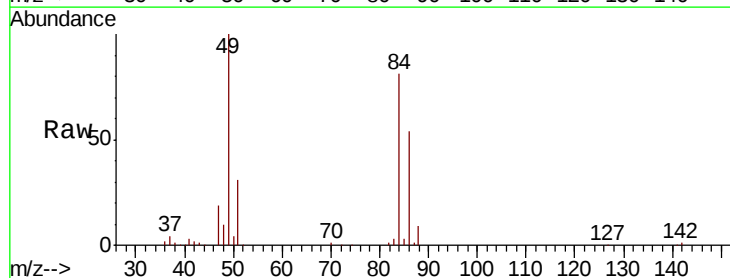
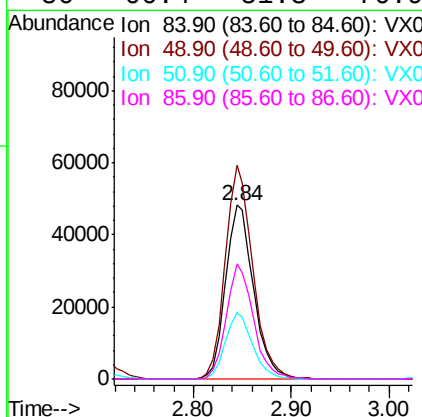
Manual Integrations
APPROVED

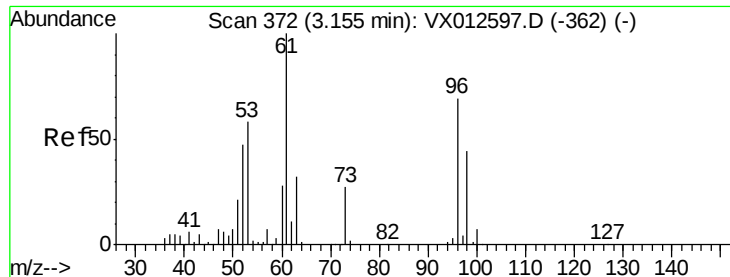
MMDadoda
10/8/2019 2:07:34 PM



#20
Methylene Chloride
Concen: 44.263 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	106.8	160.2
51	38.7	32.3	48.5
86	66.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 43.940 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

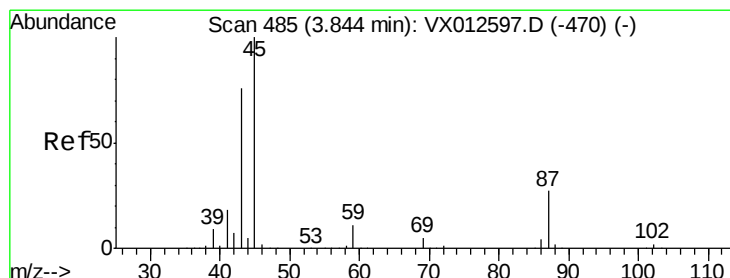
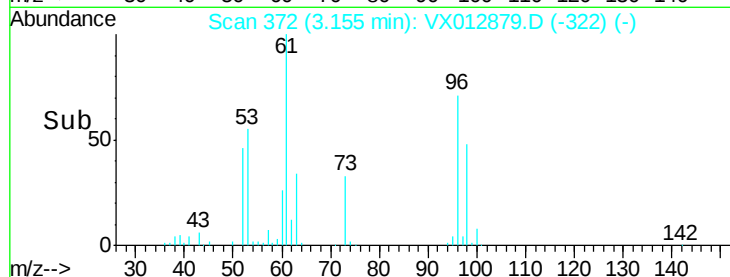
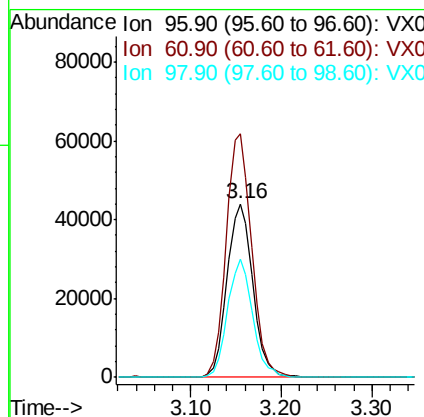
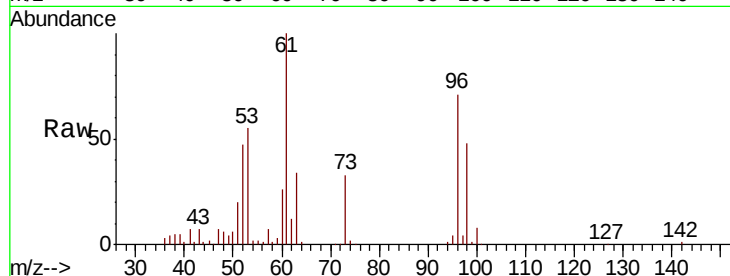
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86688
Ion	Ratio	Lower	Upper
96	100		
61	140.4	112.0	168.0
98	68.0	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#22

Diisopropyl ether

Concen: 44.863 ug/l

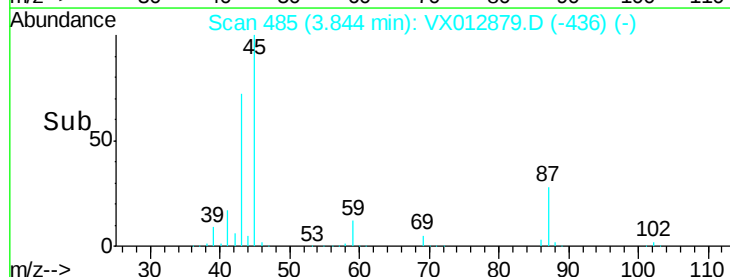
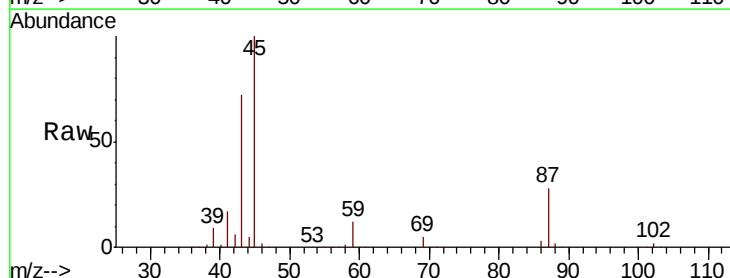
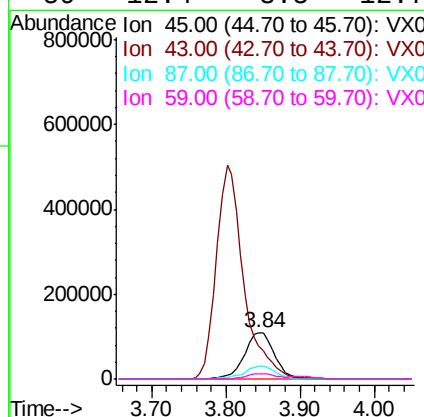
RT: 3.84 min Scan# 485

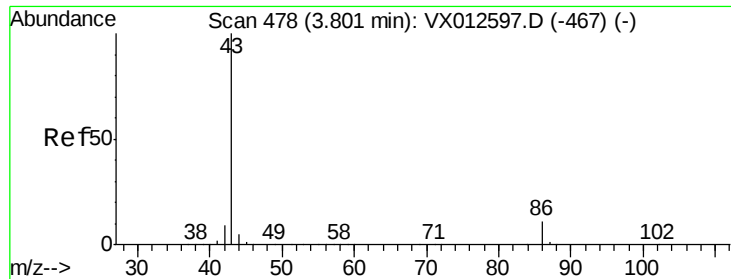
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	45	Resp:	306276
Ion	Ratio	Lower	Upper
45	100		
43	71.3	57.8	86.8
87	28.2	21.3	31.9
59	12.4	8.5	12.7





#23

Vinyl Acetate

Concen: 215.296 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1288961

Ion Ratio Lower Upper

43 100

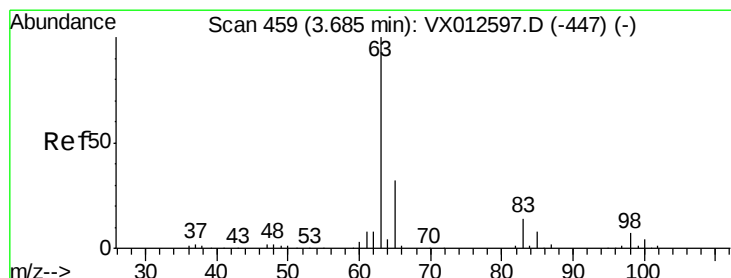
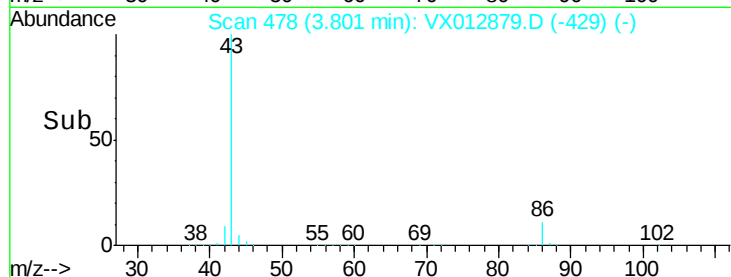
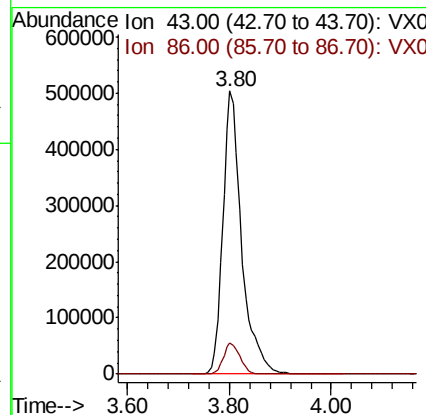
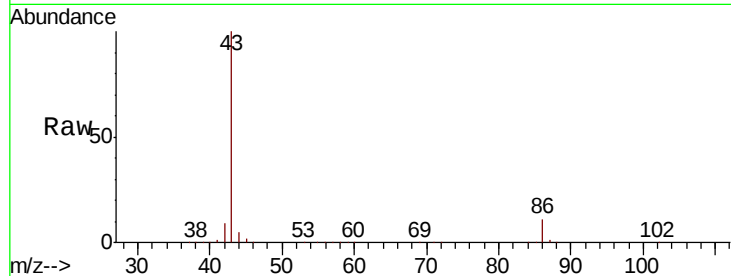
86 10.9 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



#24

1,1-Dichloroethane

Concen: 45.653 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

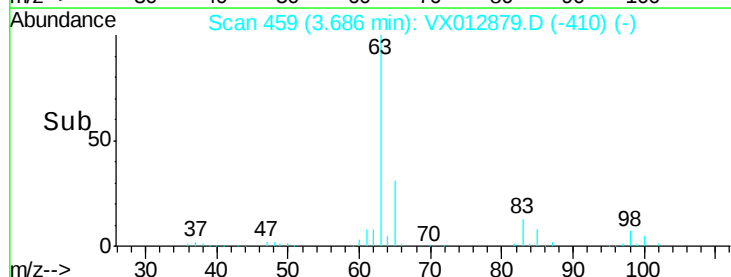
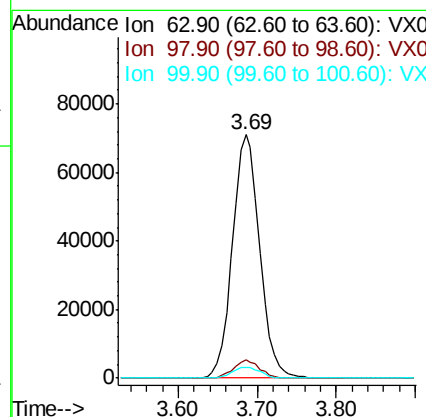
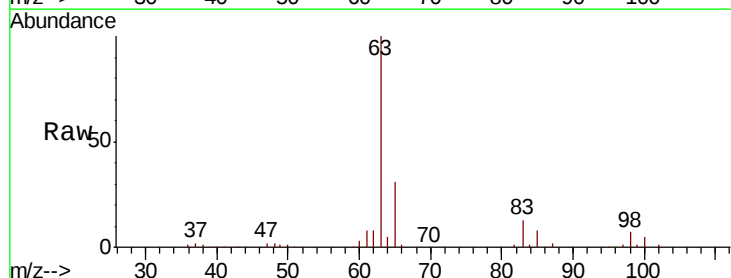
Tgt Ion: 63 Resp: 169417

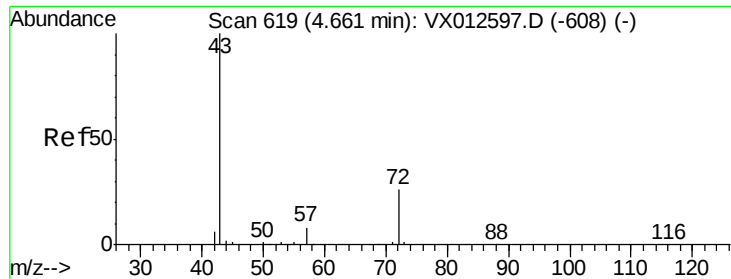
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 206.957 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 379101

Ion Ratio Lower Upper

43 100

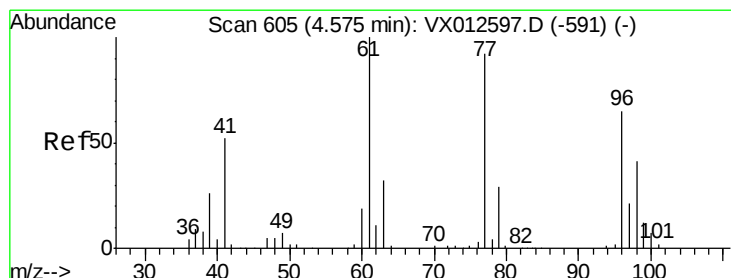
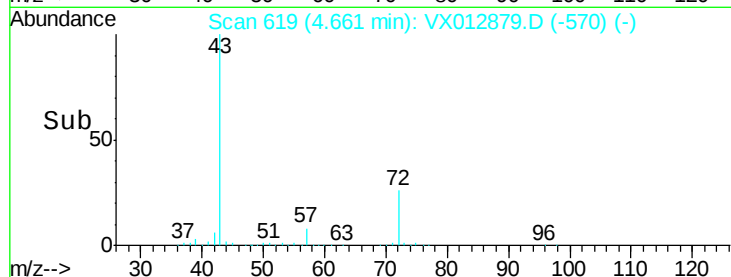
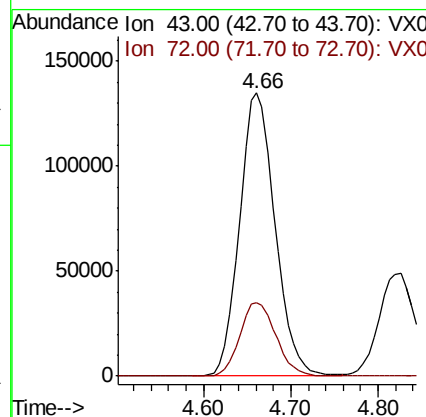
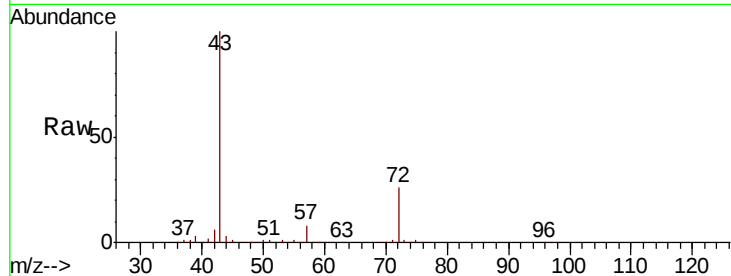
72 26.0 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



#26

2,2-Dichloropropane

Concen: 26.669 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012879.D

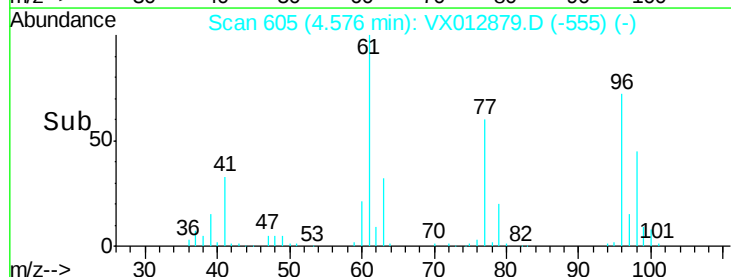
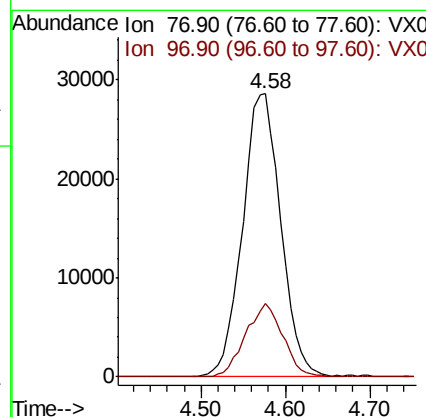
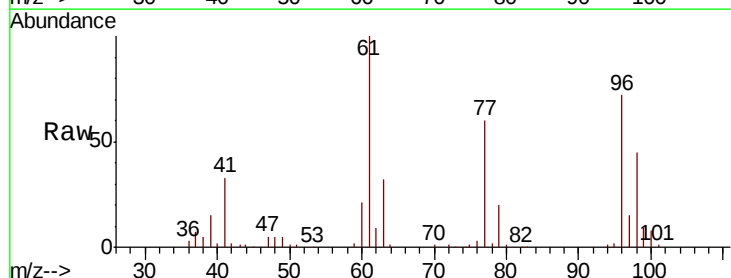
Acq: 08 Oct 2019 08:19

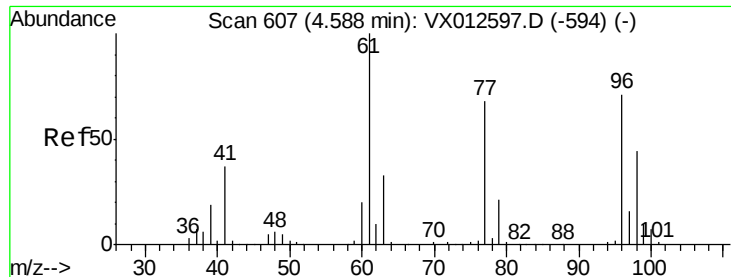
Tgt Ion: 77 Resp: 88022

Ion Ratio Lower Upper

77 100

97 25.2 10.5 31.6





#27

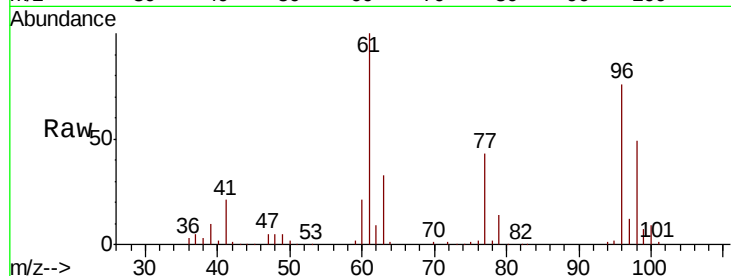
cis-1,2-Dichloroethene
Concen: 46.051 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

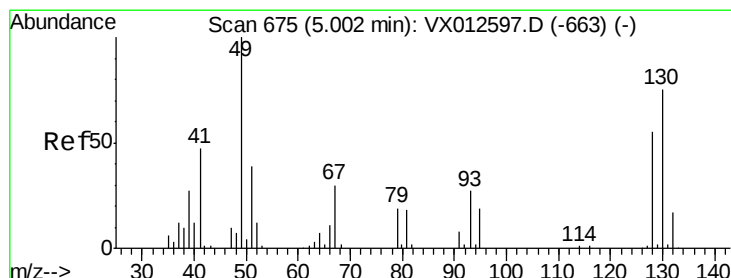
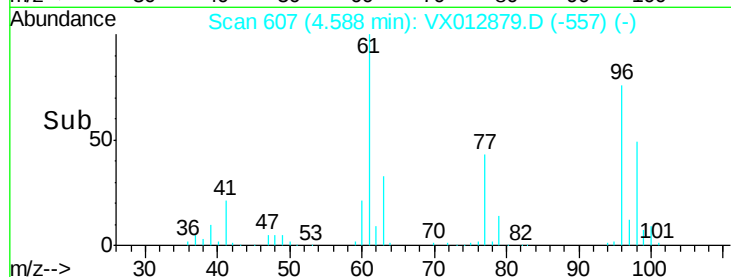
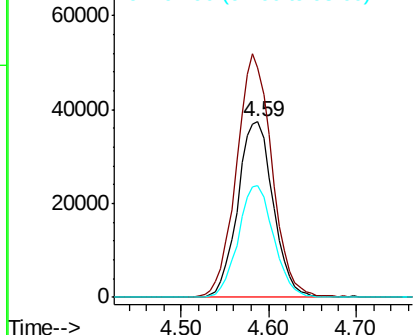
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.2	0.0	319.4	
98	63.9	0.0	130.6	

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



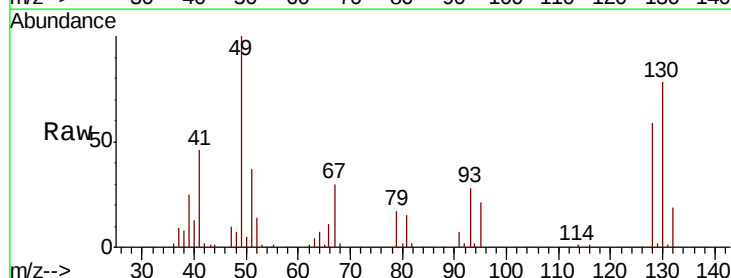
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



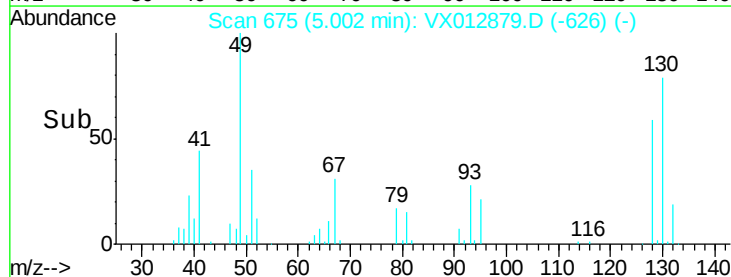
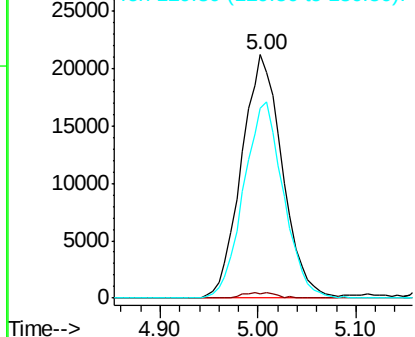
#28

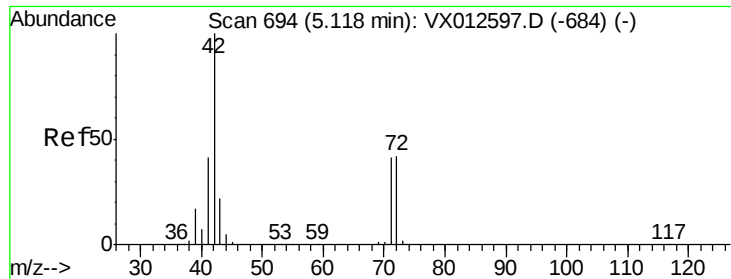
Bromochloromethane
Concen: 45.749 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	78.9	58.2	87.4	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





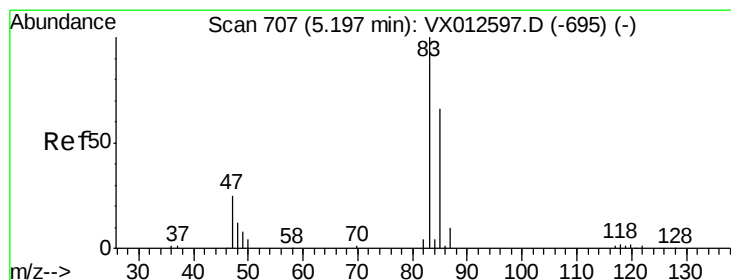
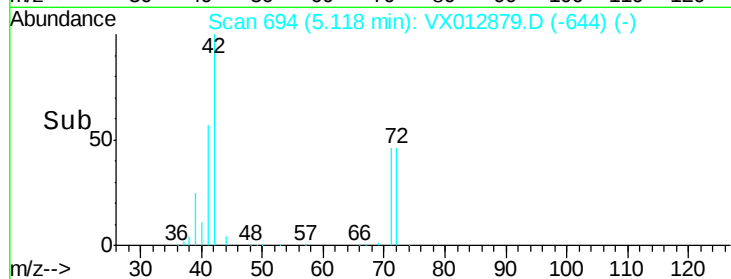
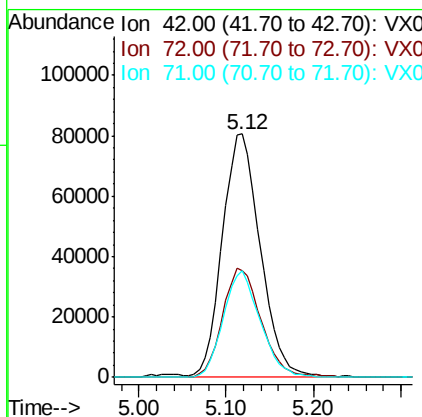
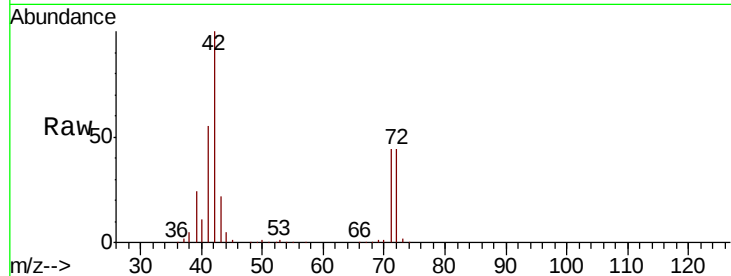
#29
Tetrahydrofuran
Concen: 216.422 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	34.0	51.0
71	42.9	31.5	47.3

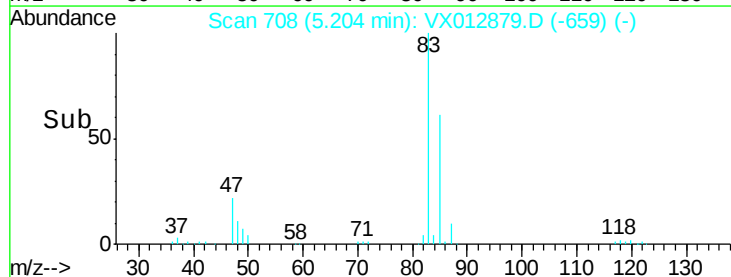
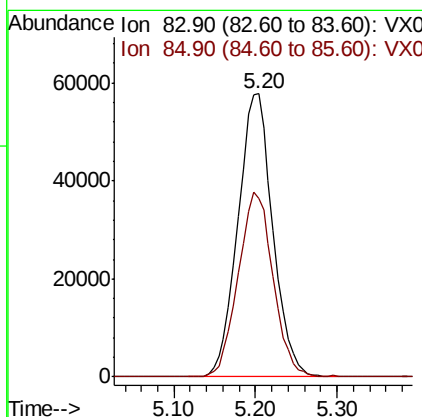
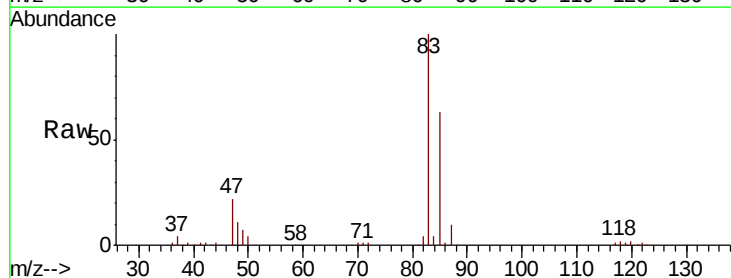
Manual Integrations
APPROVED

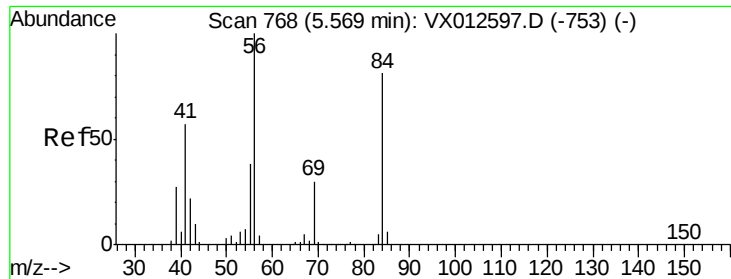
MMDadoda
10/8/2019 2:07:34 PM



#30
Chloroform
Concen: 45.074 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.0	79.4





#31

Cyclohexane

Concen: 43.276 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

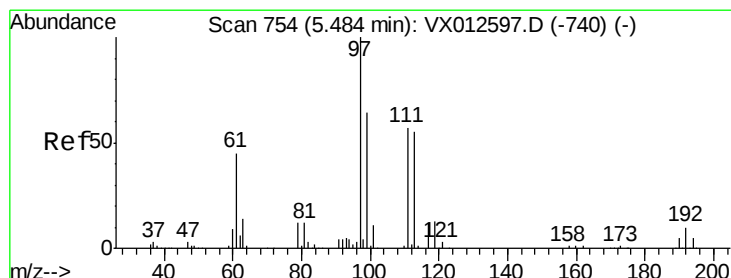
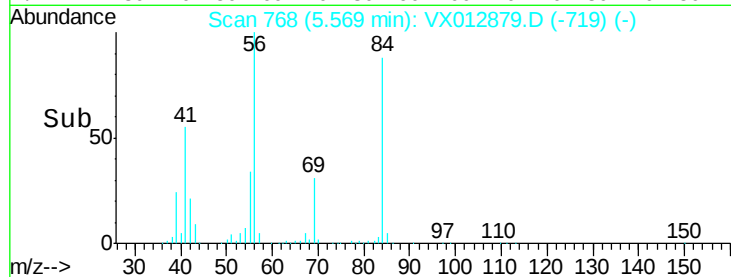
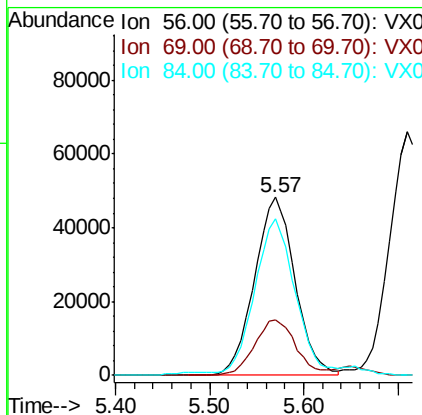
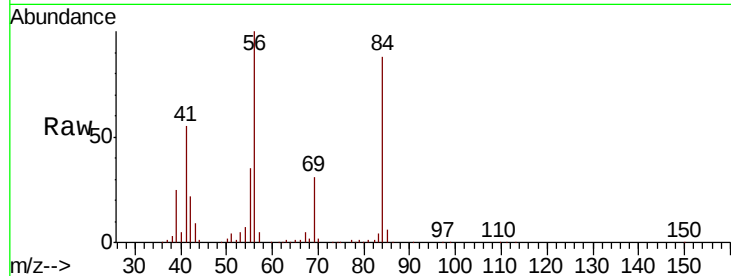
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	145286
Ion Ratio	Lower	Upper	
56	100		
69	31.4	25.0	37.6
84	86.4	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#32

1,1,1-Trichloroethane

Concen: 44.241 ug/l

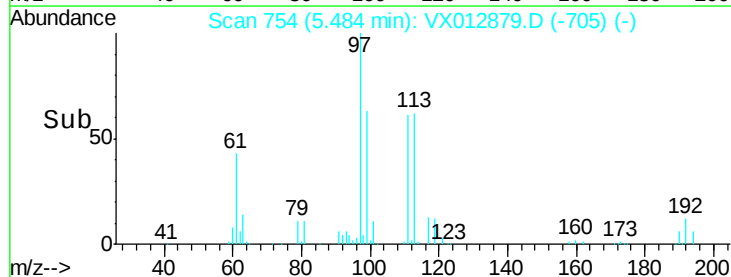
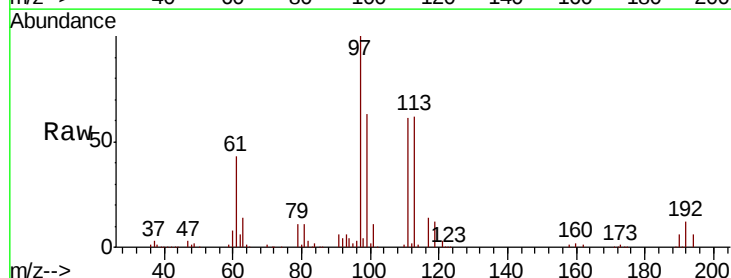
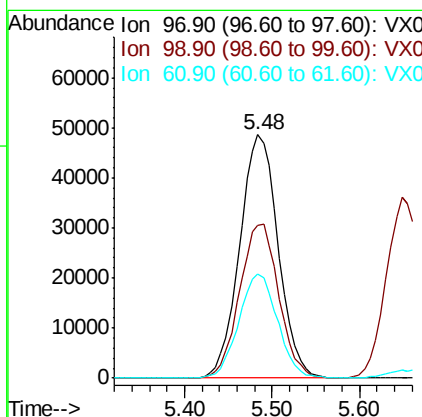
RT: 5.48 min Scan# 754

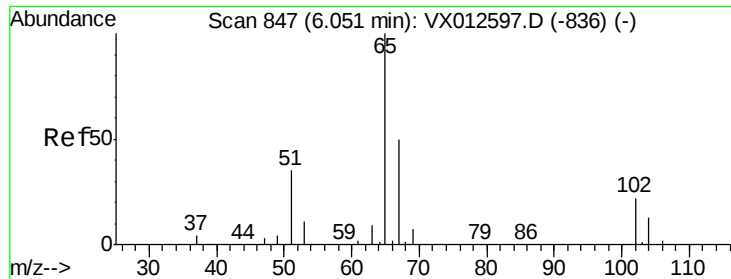
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	97	Resp:	148865
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.3	76.9
61	43.1	36.1	54.1





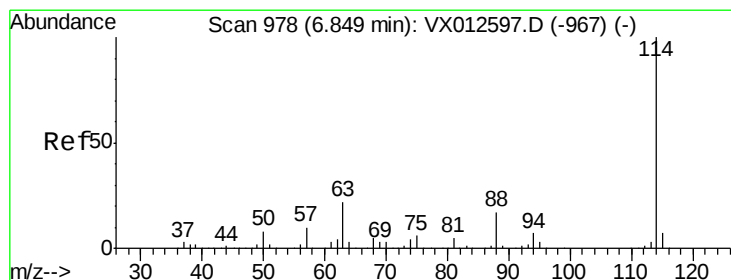
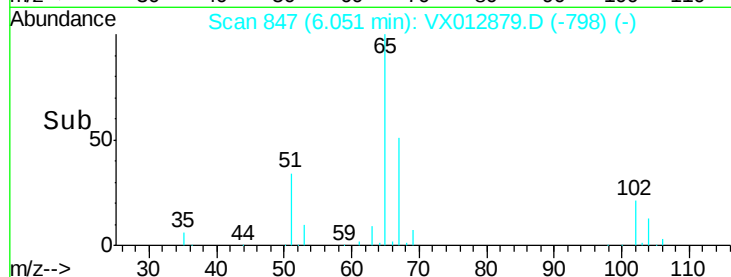
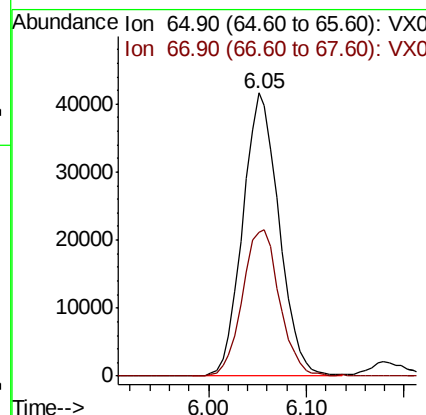
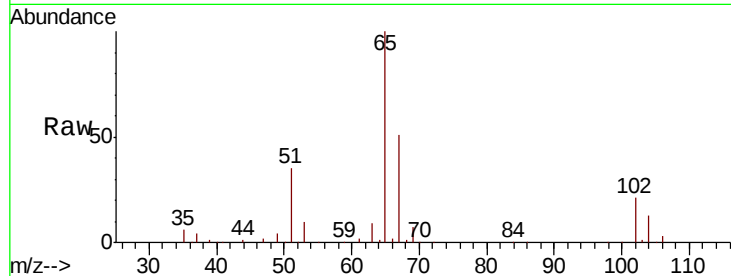
#33
 1,2-Dichloroethane-d4
 Concen: 44.476 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107271		
67	52.6	0.0	101.2	

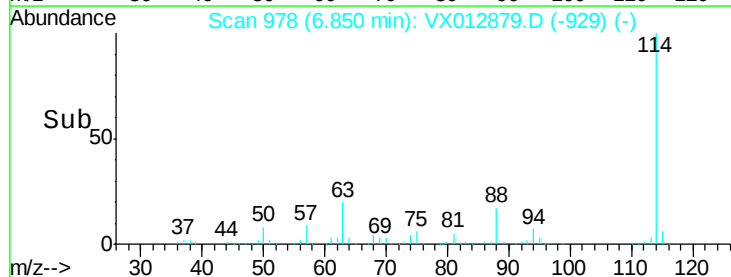
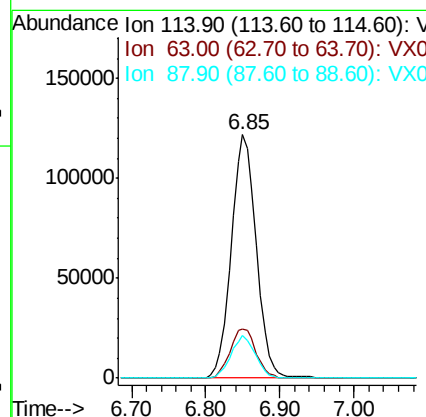
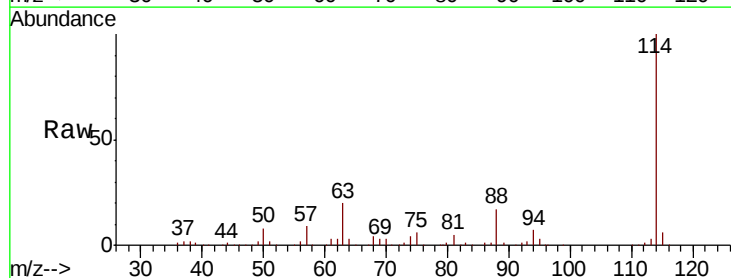
Manual Integrations
 APPROVED

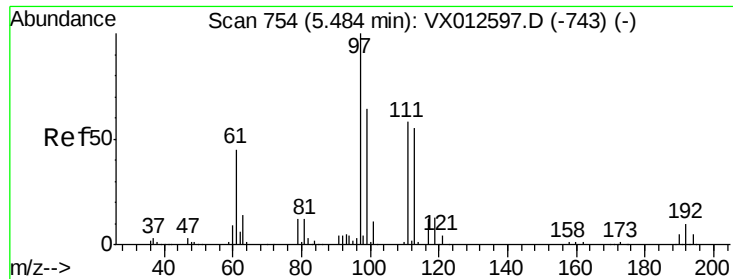
MMDadoda
 10/8/2019 2:07:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286363		
63	20.3	0.0	43.2	
88	17.3	0.0	33.2	





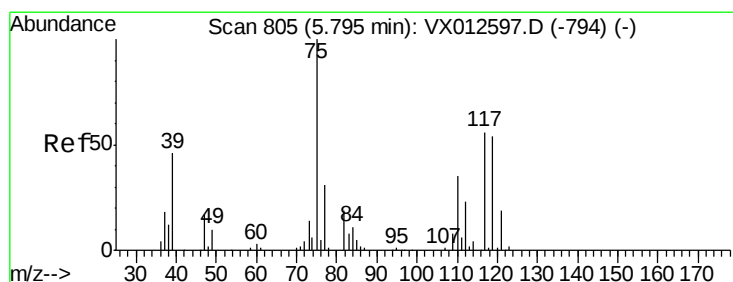
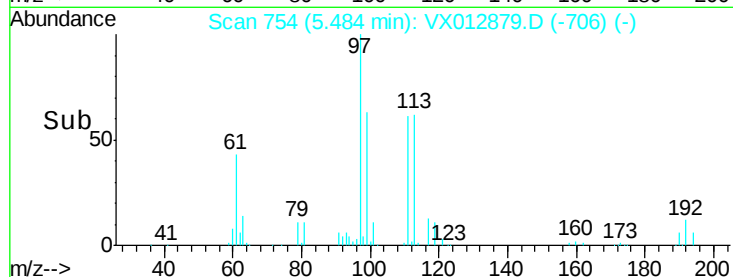
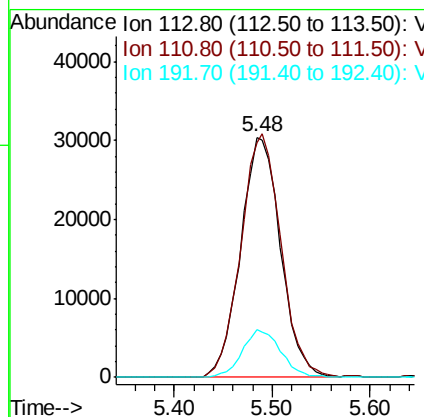
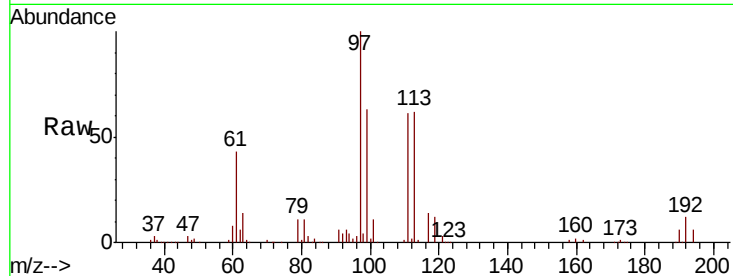
#35
Dibromofluoromethane
Concen: 50.718 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86496		
111	101.5	83.4	125.2	
192	19.1	14.4	21.6	

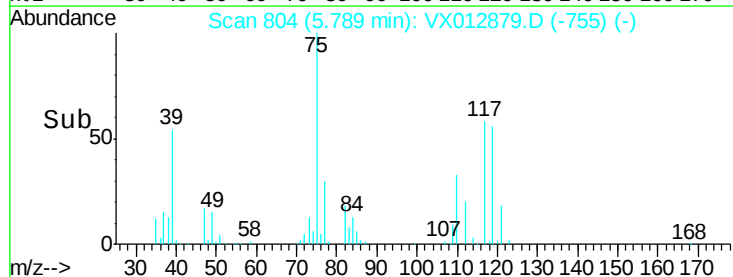
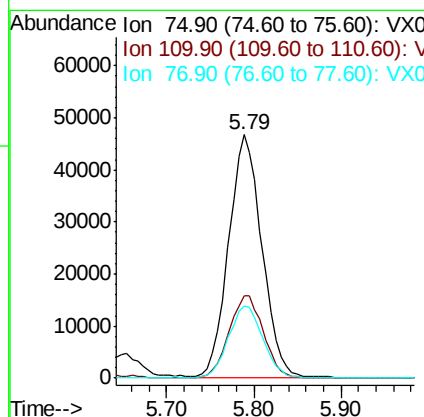
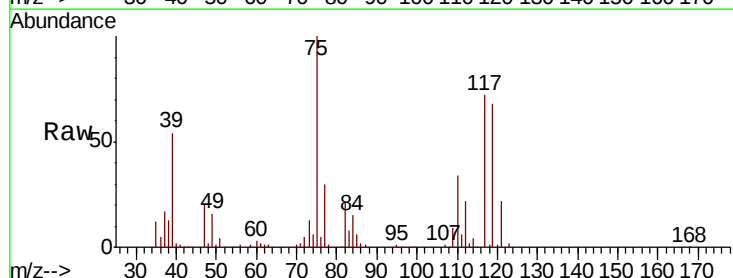
Manual Integrations
APPROVED

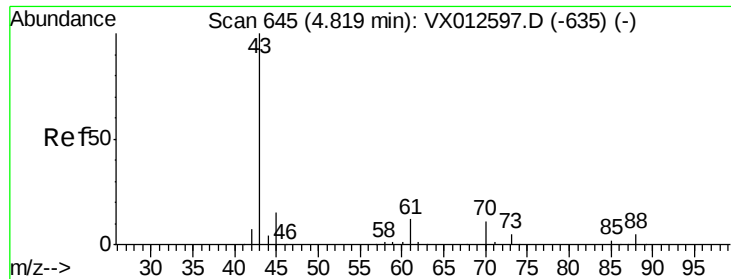
MMDadoda
10/8/2019 2:07:34 PM



#36
1,1-Dichloropropene
Concen: 44.725 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123452		
110	35.1	16.7	50.0	
77	30.9	24.2	36.2	





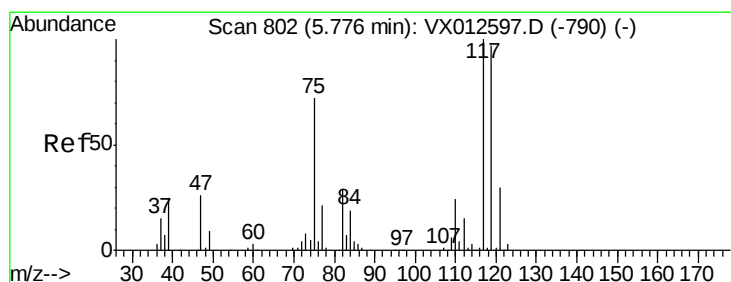
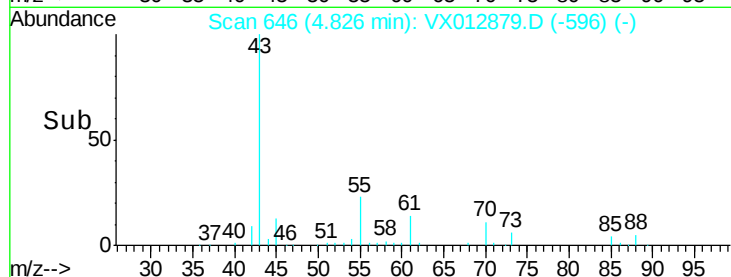
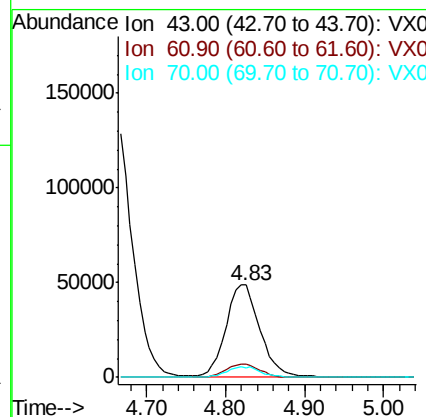
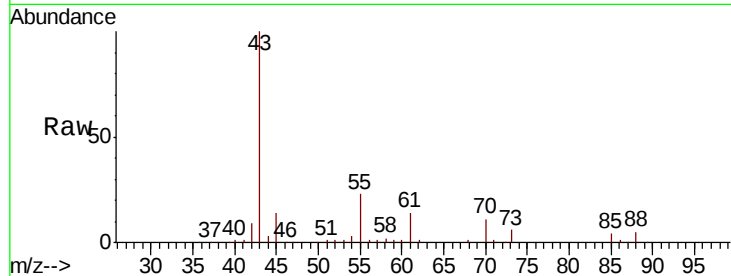
#37
Ethyl Acetate
Concen: 45.157 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.2	15.4
70	11.7	8.7	13.1

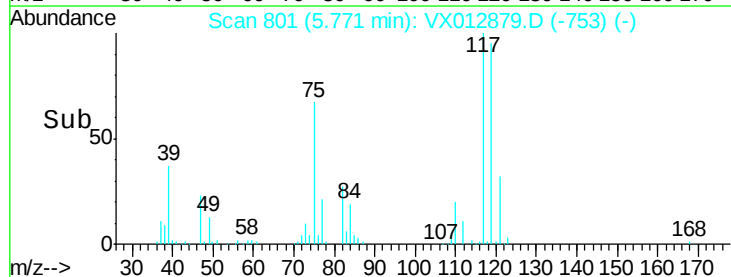
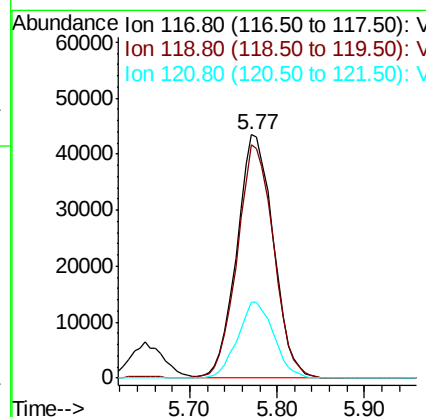
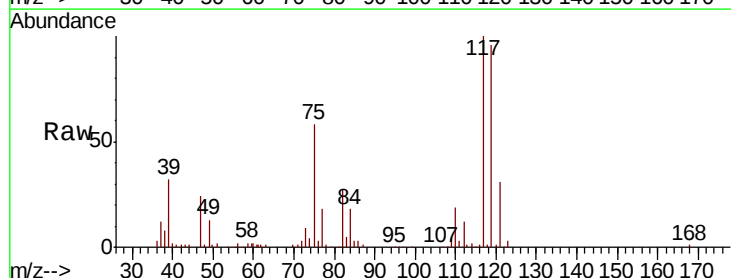
Manual Integrations
APPROVED

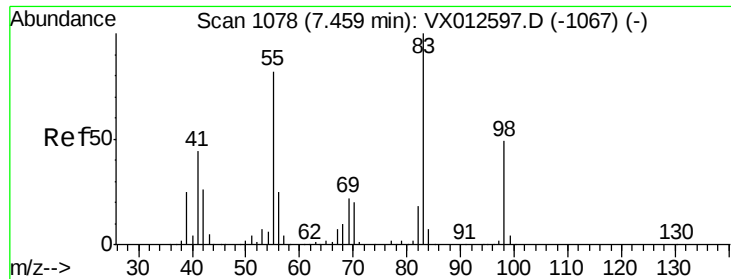
MMDadoda
10/8/2019 2:07:34 PM



#38
Carbon Tetrachloride
Concen: 45.081 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	31.4	24.2	36.4





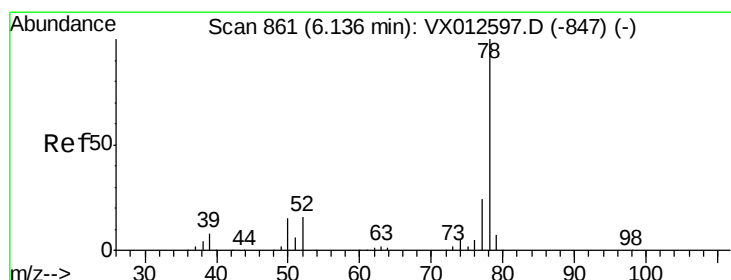
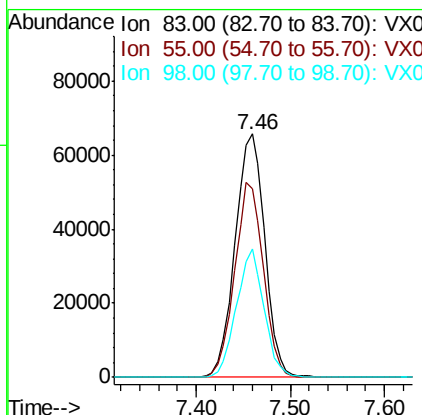
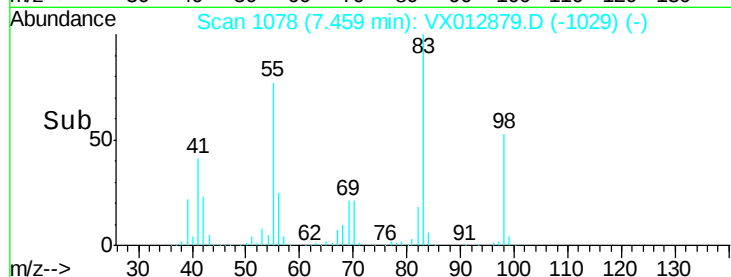
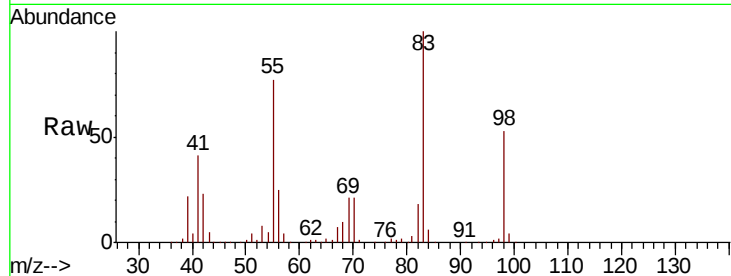
#39
Methvlcvclohexane
Concen: 43.435 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	64.4	96.6
98	52.8	40.1	60.1

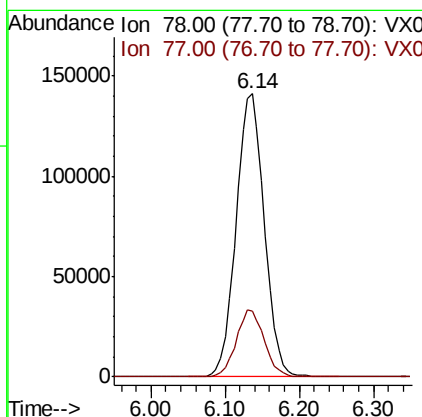
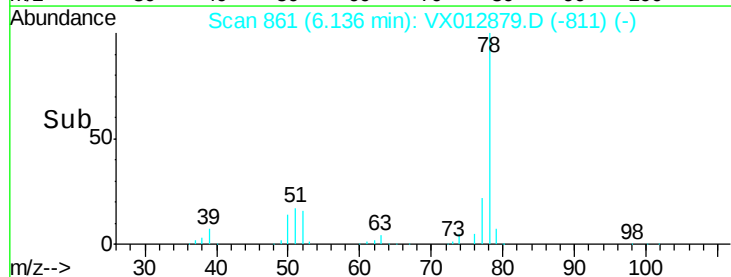
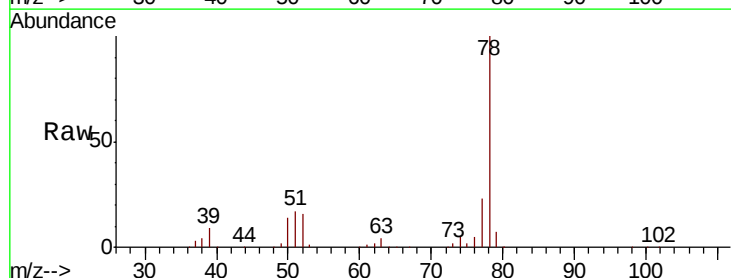
Manual Integrations
APPROVED

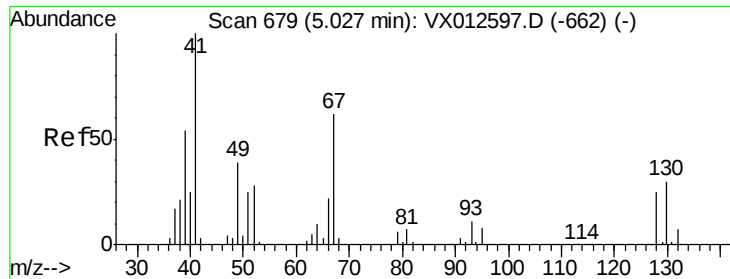
MMDadoda
10/8/2019 2:07:34 PM



#40
Benzene
Concen: 46.137 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 46.156 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 83569

Ion Ratio Lower Upper

41 100

39 53.2 46.0 69.0

67 72.0 52.2 78.2

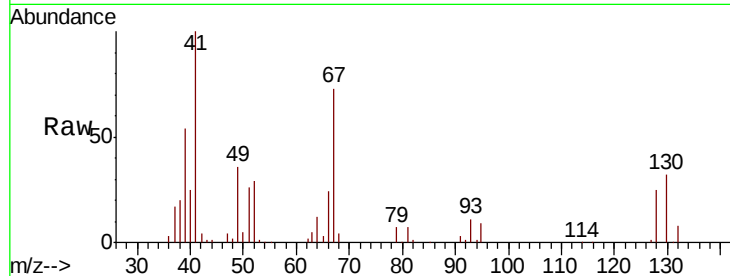
52 28.3 22.7 34.1

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM

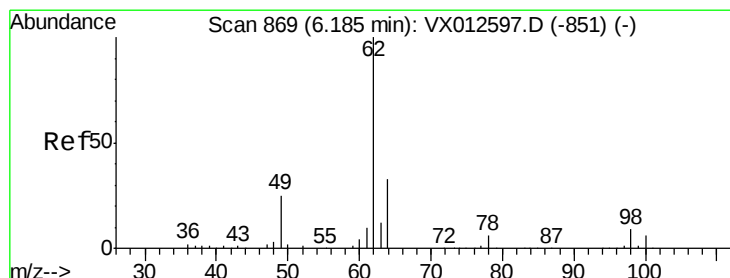
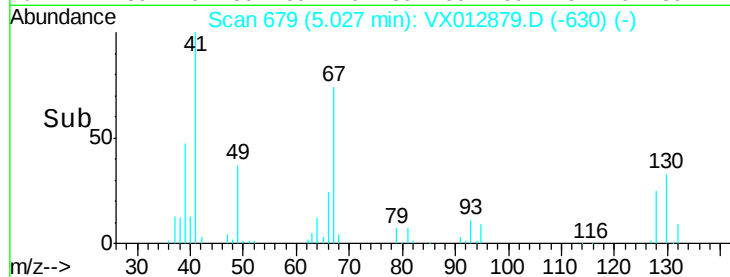
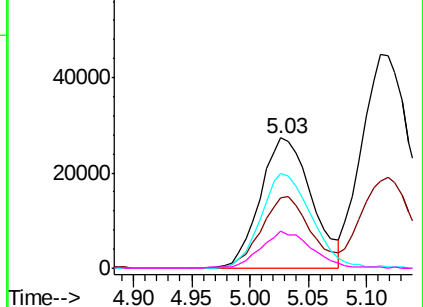


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.120 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012879.D

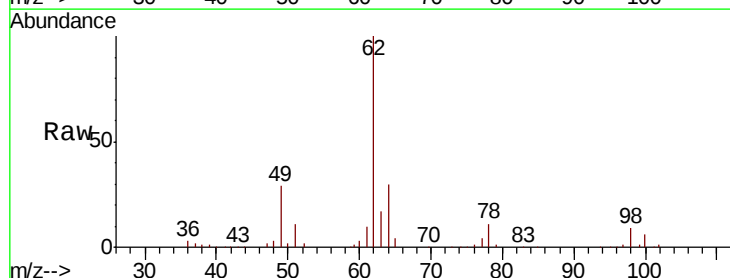
Acq: 08 Oct 2019 08:19

Tgt Ion: 62 Resp: 139151

Ion Ratio Lower Upper

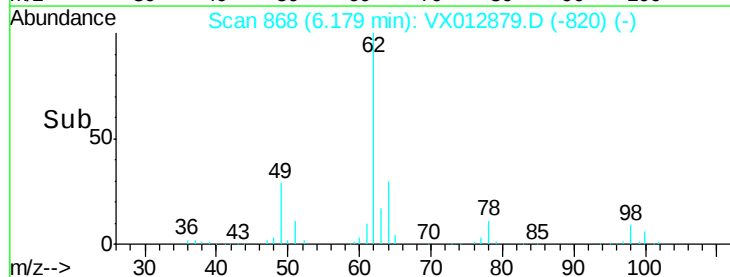
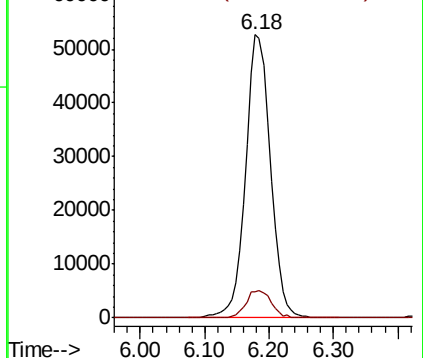
62 100

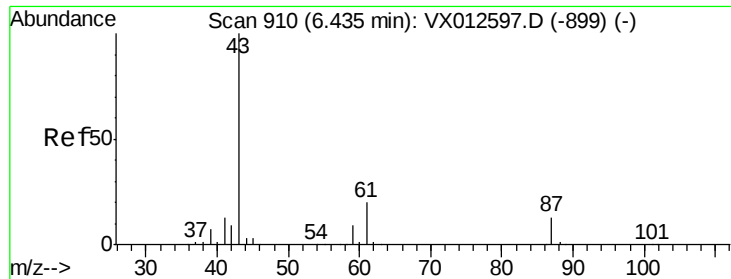
98 10.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 44.899 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

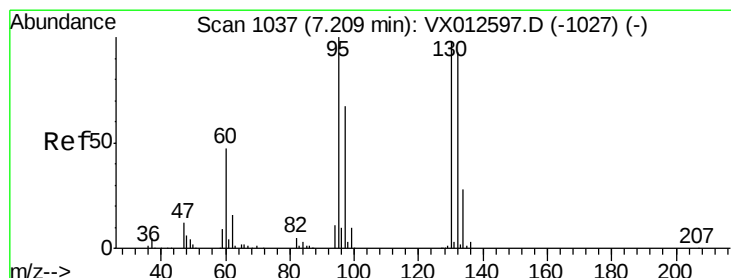
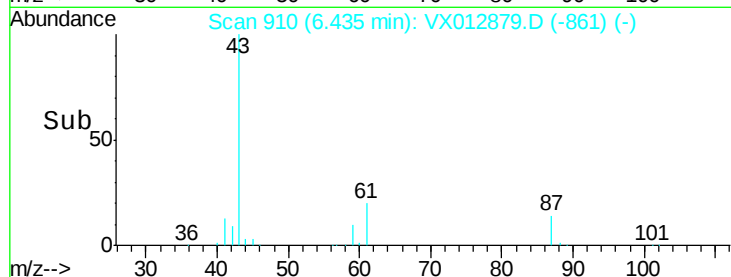
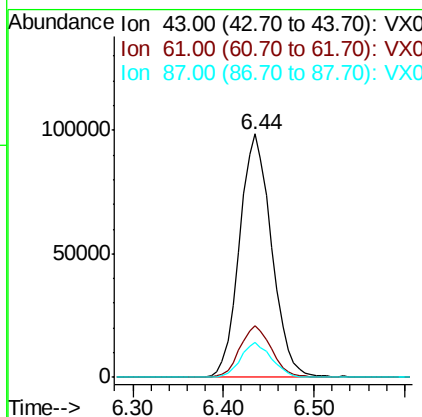
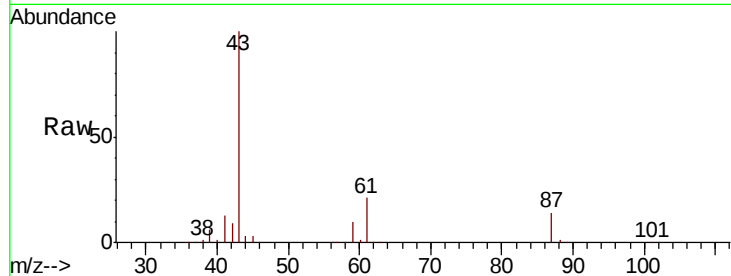
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	242299
Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.4	23.0
87	13.8	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#44

Trichloroethene

Concen: 46.819 ug/l

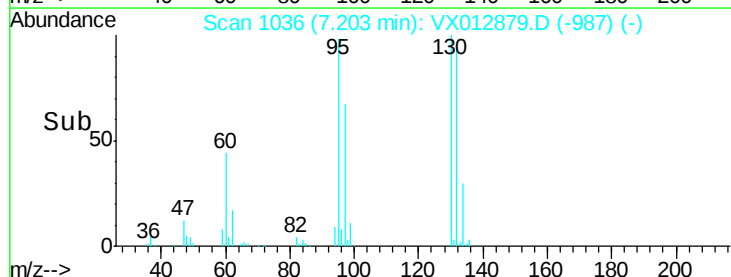
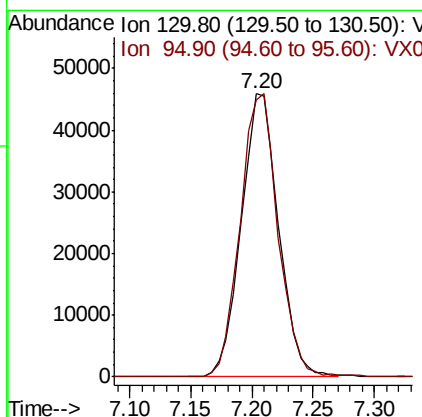
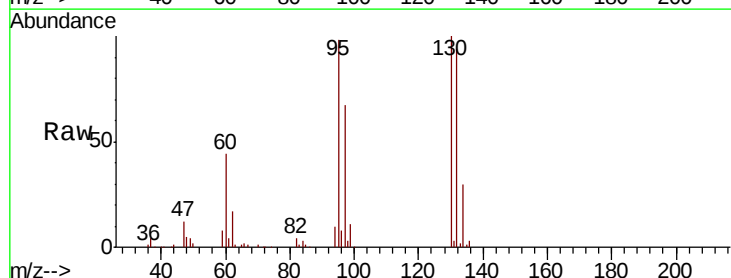
RT: 7.20 min Scan# 1036

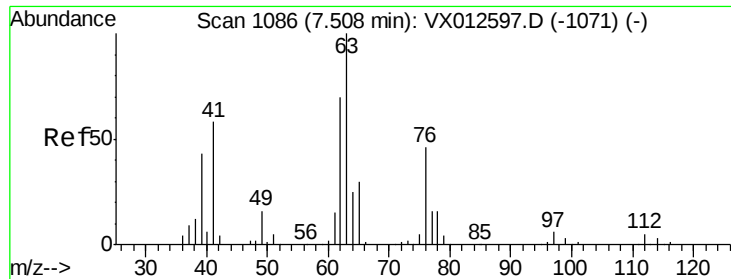
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	130	Resp:	97206
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	193.0





#45

1,2-Dichloropropane

Concen: 47.817 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 99424

Ion Ratio Lower Upper

63 100

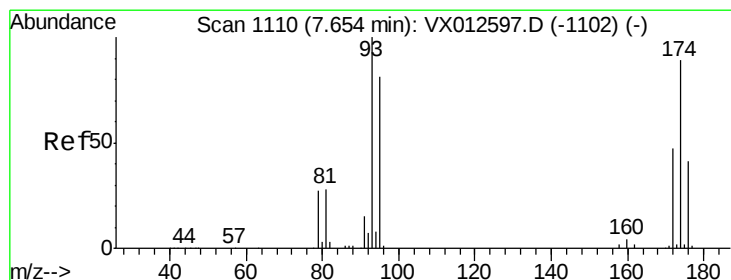
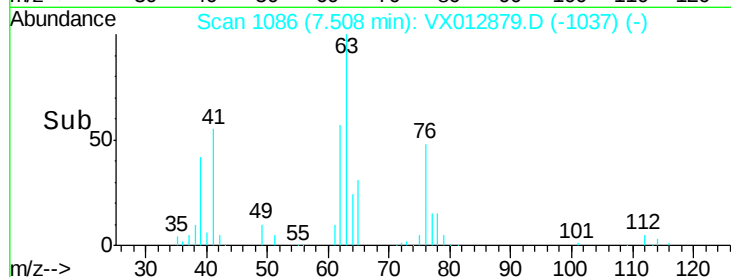
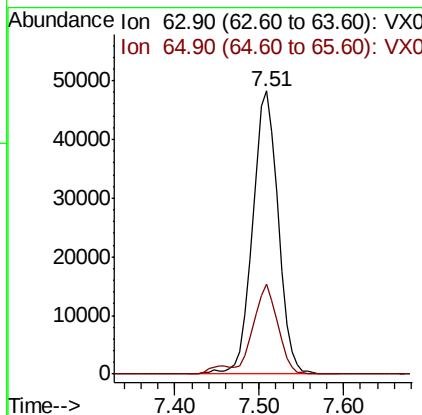
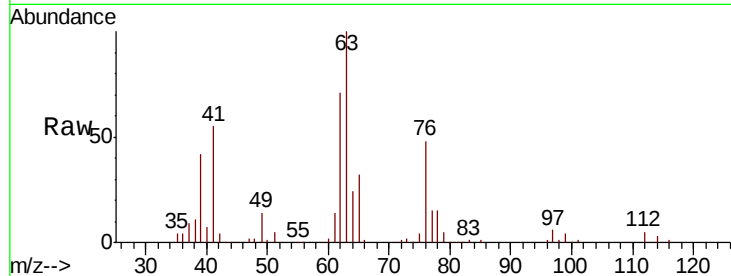
65 32.0 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



#46

Dibromomethane

Concen: 46.843 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

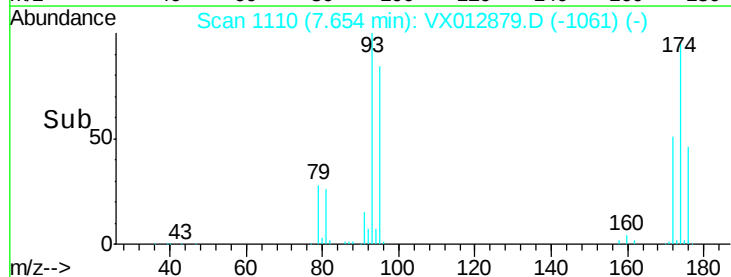
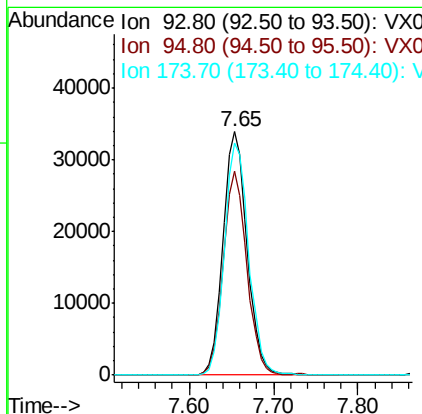
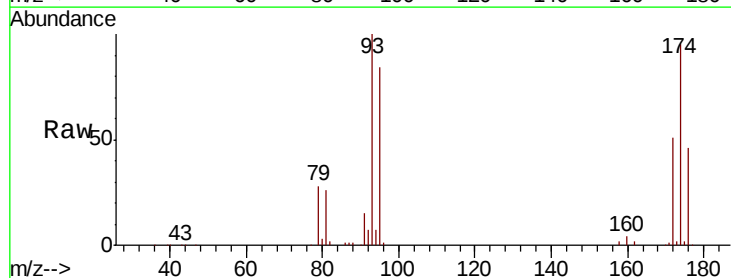
Tgt Ion: 93 Resp: 66314

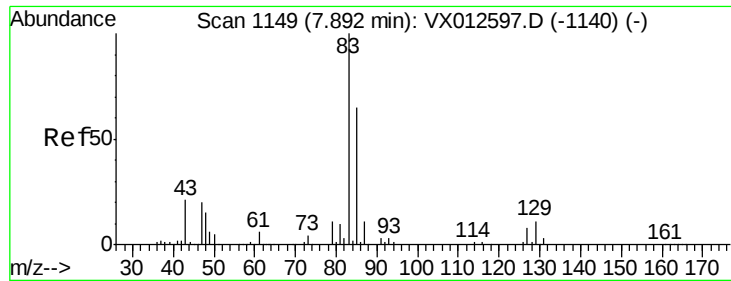
Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 96.1 77.4 116.0





#47

Bromodichloromethane

Concen: 47.073 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

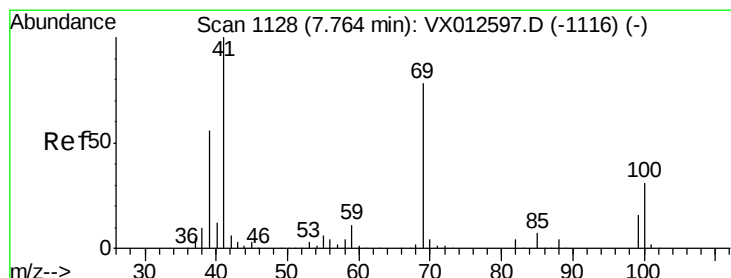
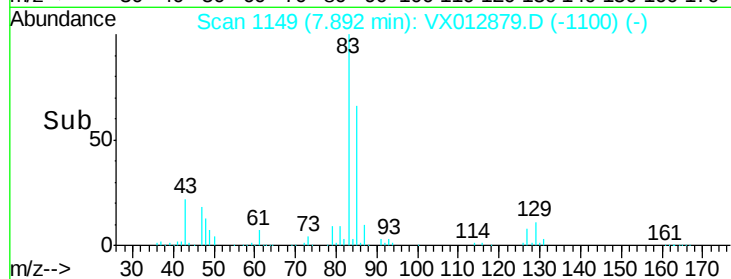
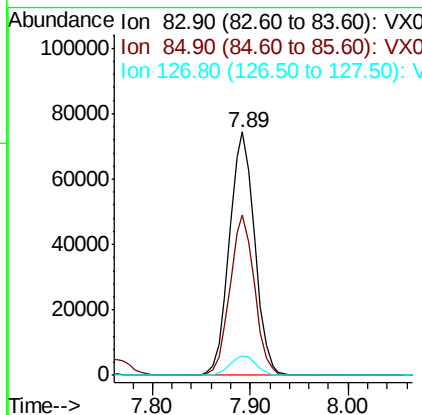
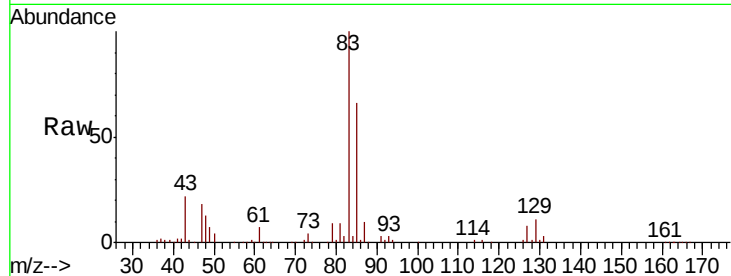
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	133187
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.8	77.6
127	8.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#48

Methyl methacrylate

Concen: 44.949 ug/l

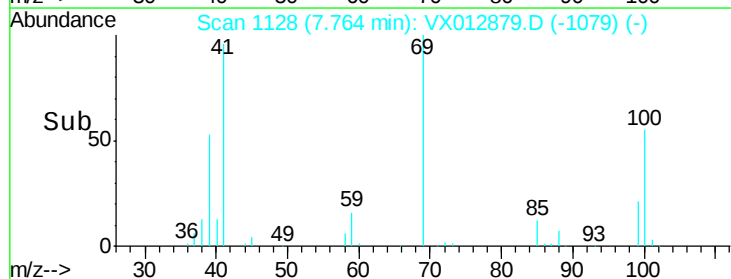
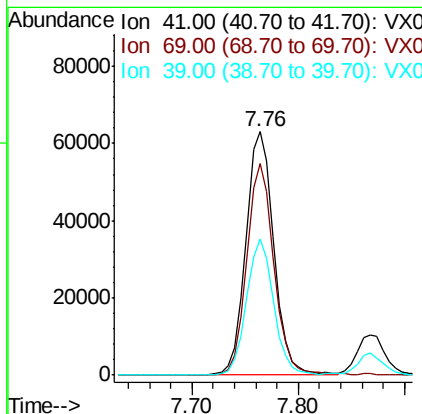
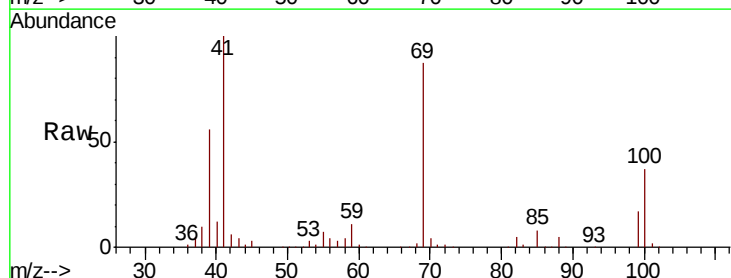
RT: 7.76 min Scan# 1128

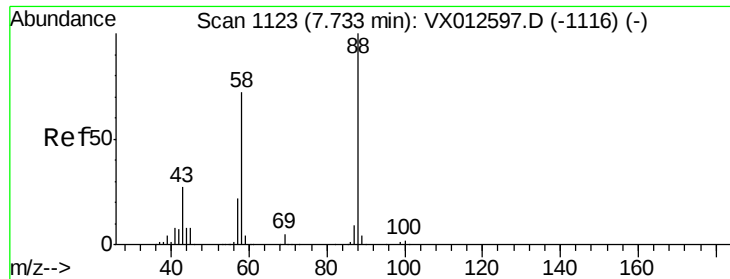
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	41	Resp:	116311
Ion Ratio	Lower	Upper	
41	100		
69	84.7	59.9	89.9
39	54.7	47.8	71.6





#49

1,4-Dioxane

Concen: 867.651 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

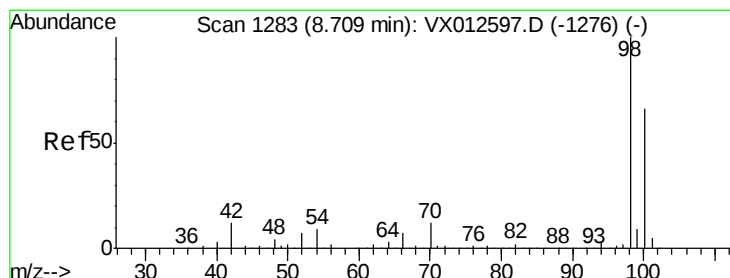
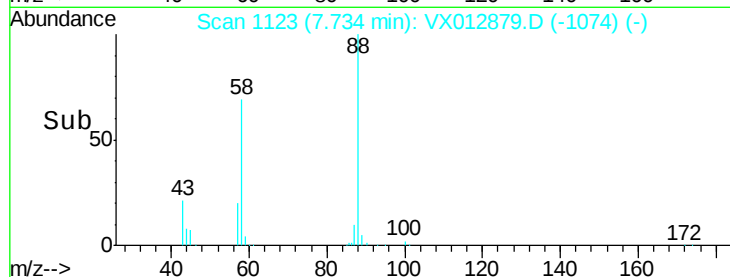
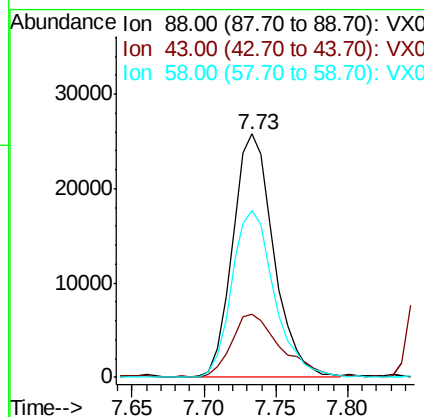
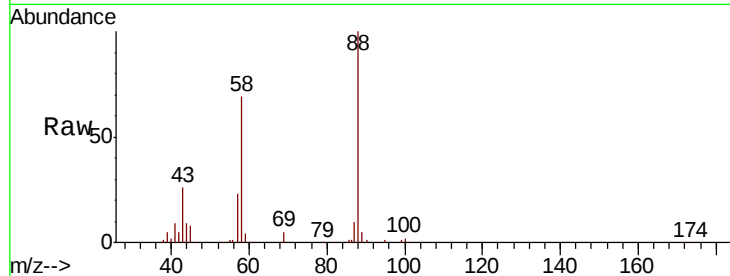
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	50924
Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.4	44.0
58	71.8	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#50

Toluene-d8

Concen: 48.617 ug/l

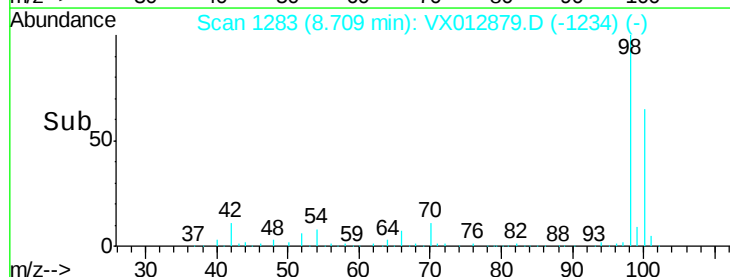
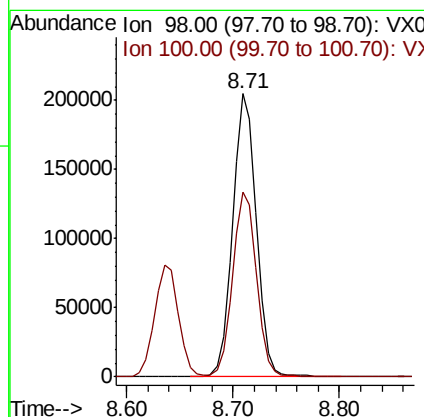
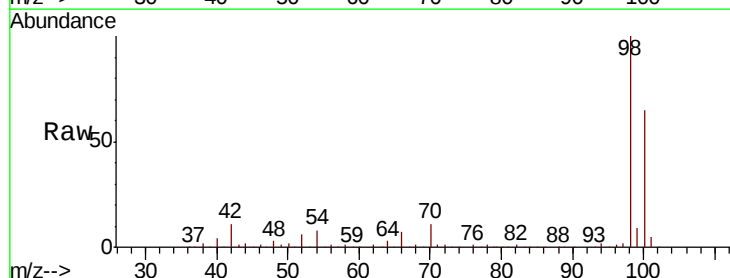
RT: 8.71 min Scan# 1283

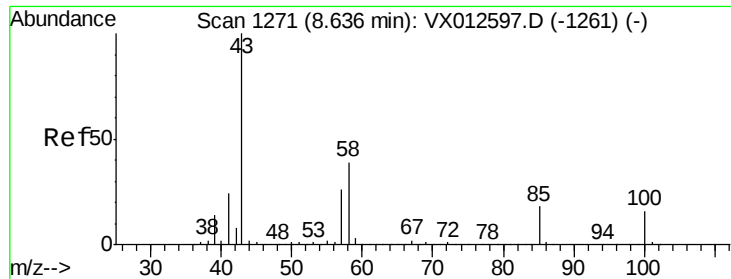
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	98	Resp:	319297
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 226.333 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 753960

Ion Ratio Lower Upper

43 100

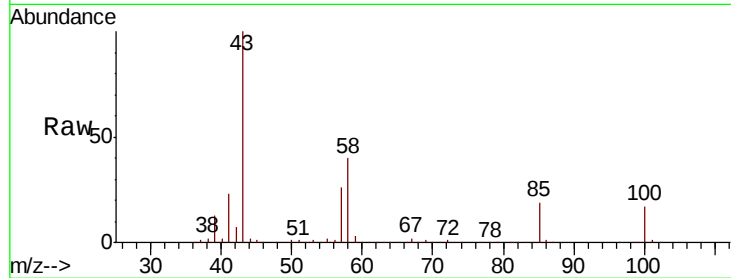
58 40.4 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

500000

400000

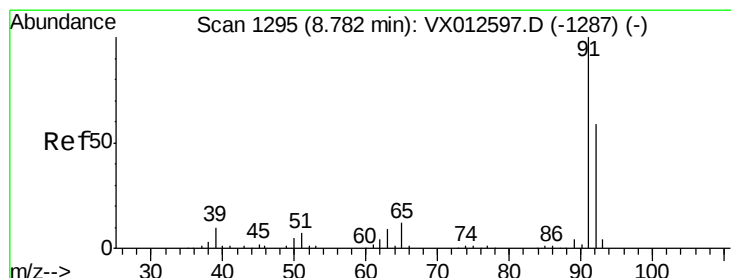
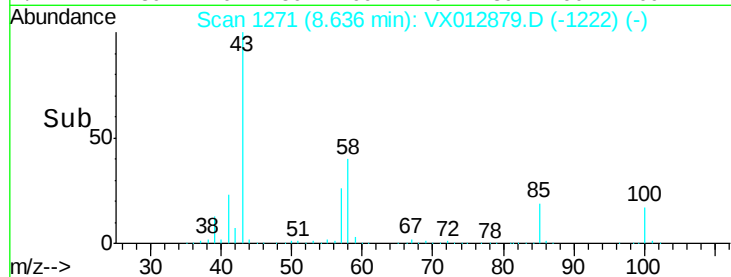
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.404 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012879.D

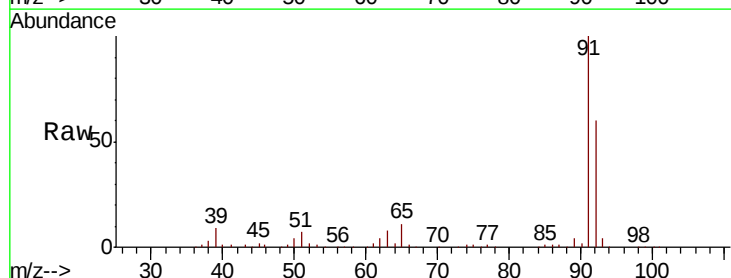
Acq: 08 Oct 2019 08:19

Tgt Ion: 92 Resp: 241968

Ion Ratio Lower Upper

92 100

91 166.7 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

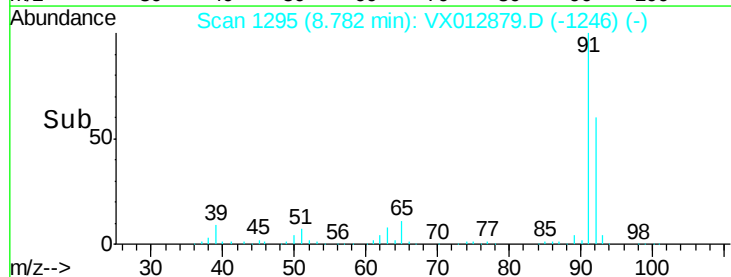
150000

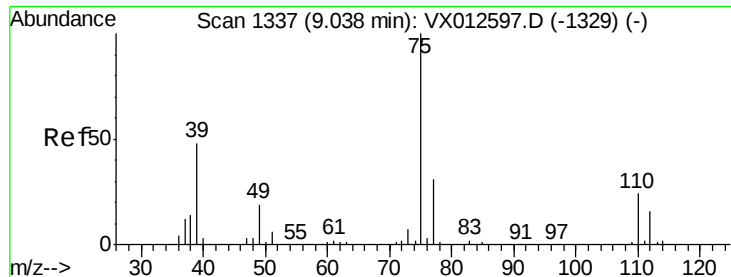
100000

50000

0

Time-->





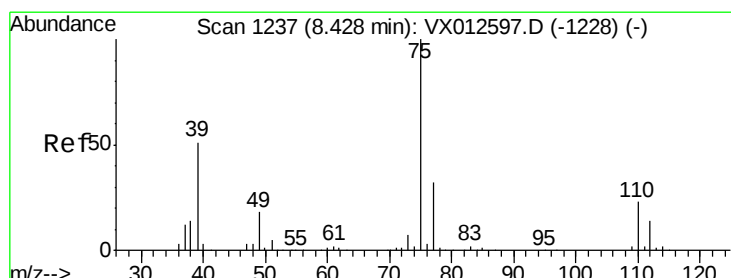
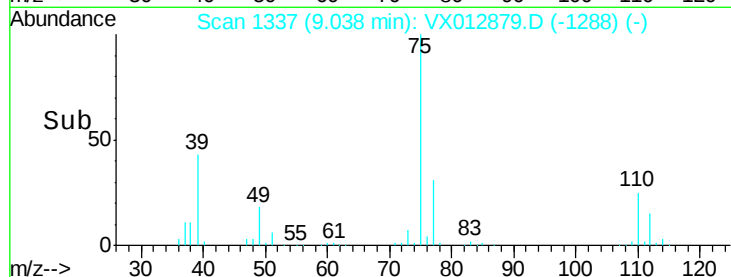
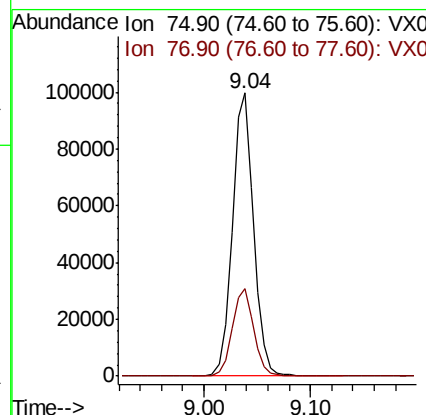
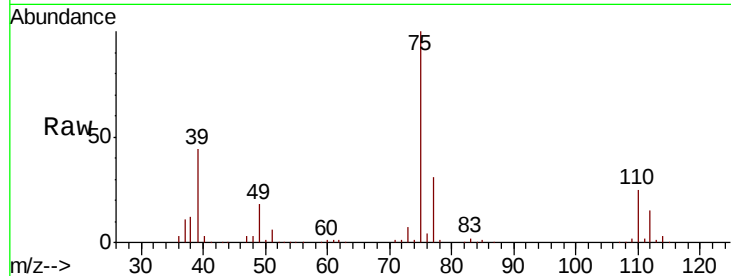
#53
t-1,3-Dichloropropene
Concen: 44.213 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 138408
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

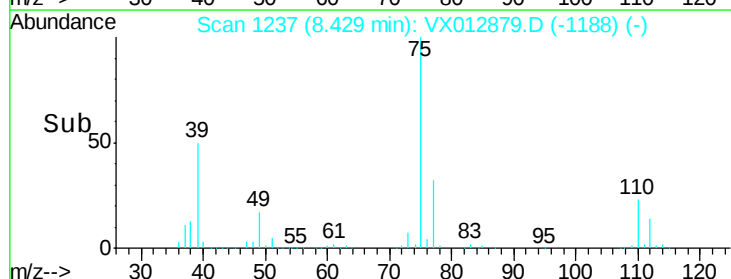
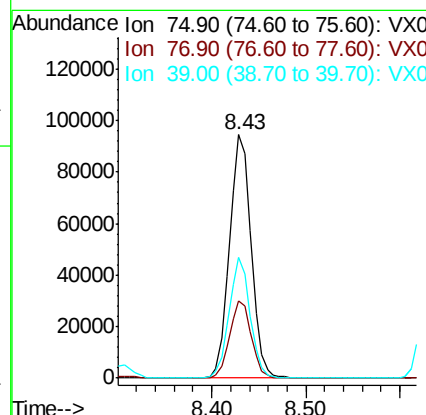
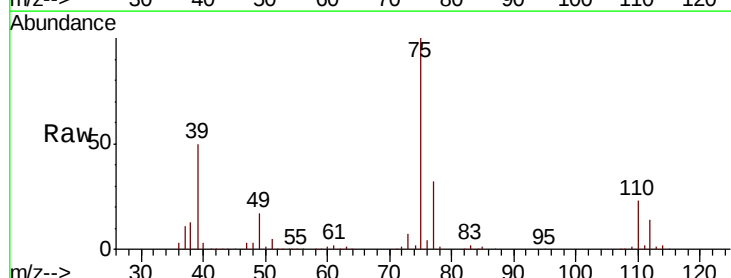
Manual Integrations
APPROVED

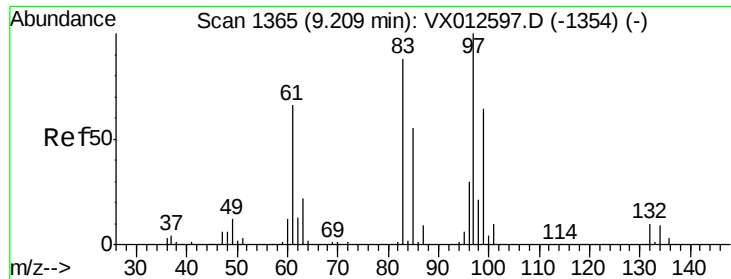
MMDadoda
10/8/2019 2:07:34 PM



#54
cis-1,3-Dichloropropene
Concen: 44.085 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion: 75 Resp: 150681
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.8
39 49.8 45.5 68.3





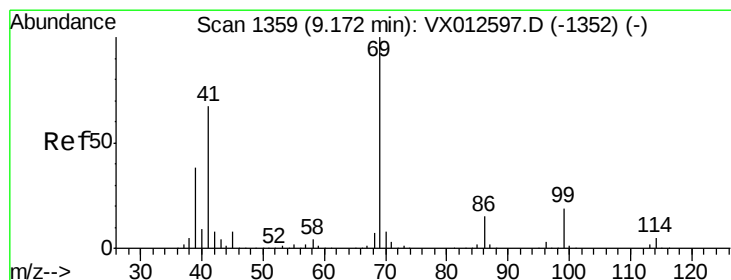
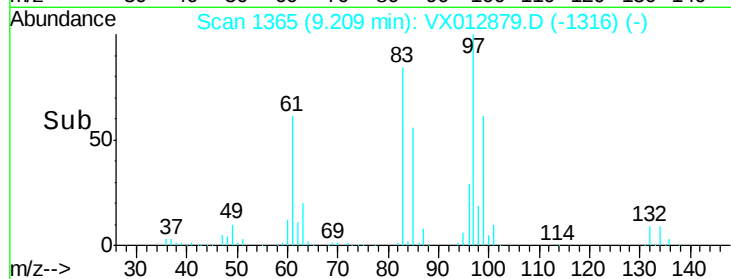
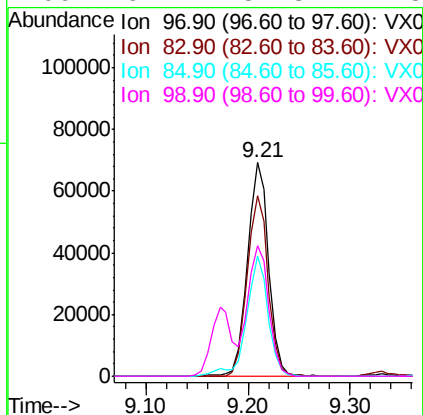
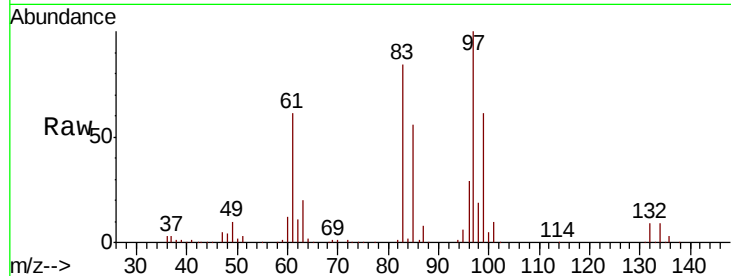
#55
 1,1,2-Trichloroethane
 Concen: 49.290 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	100027
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.2
85	56.4	43.5	65.3
99	61.1	51.8	77.8

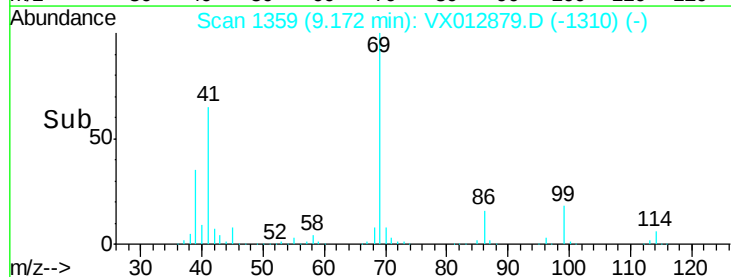
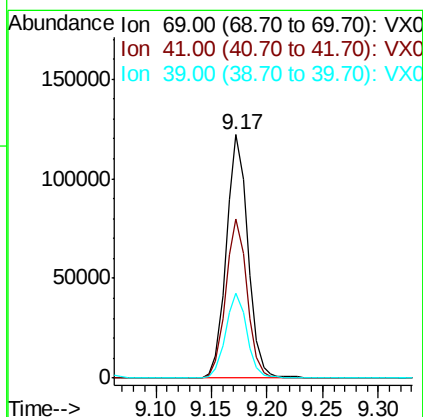
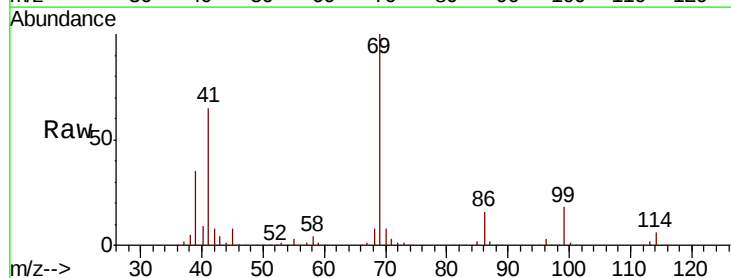
Manual Integrations
 APPROVED

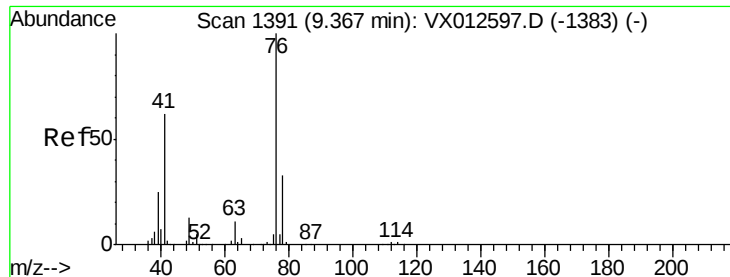
MMDadoda
 10/8/2019 2:07:34 PM



#56
 Ethyl methacrylate
 Concen: 48.175 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Tgt Ion:	69	Resp:	164244
Ion	Ratio	Lower	Upper
69	100		
41	65.0	58.4	87.6
39	34.6	33.4	50.0





#57

1,3-Dichloropropane

Concen: 47.118 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 167347

Ion Ratio Lower Upper

76 100

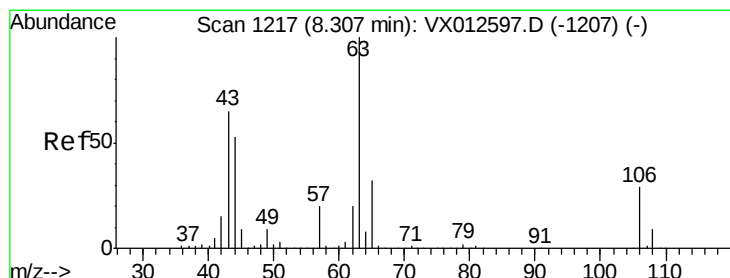
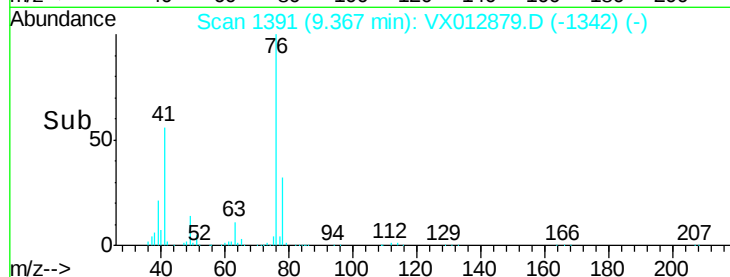
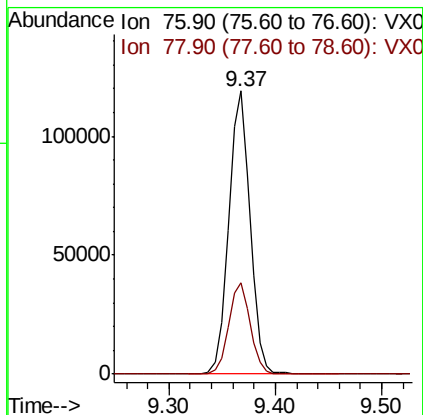
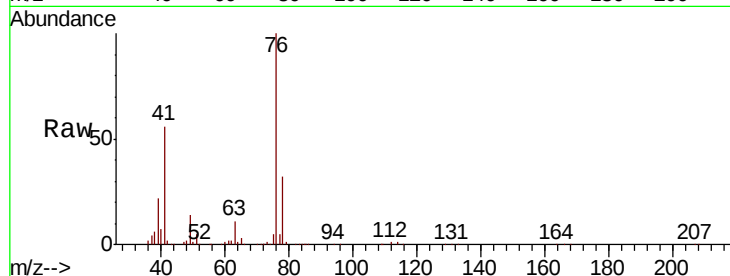
78 32.6 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 248.789 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012879.D

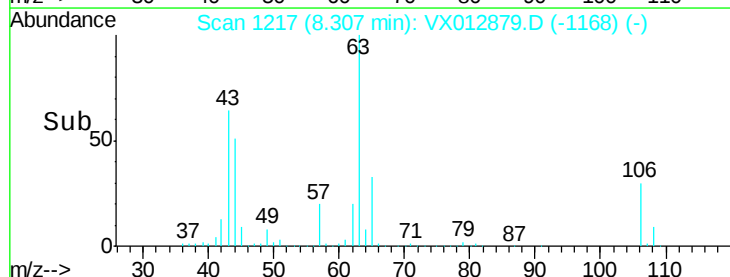
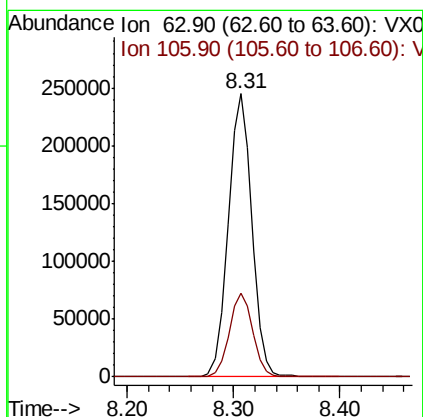
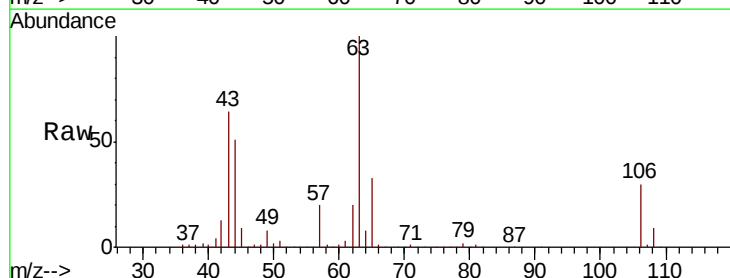
Acq: 08 Oct 2019 08:19

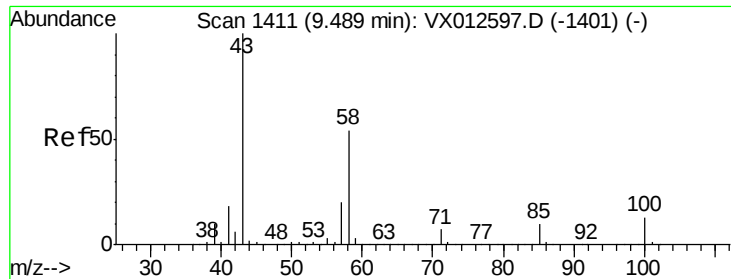
Tgt Ion: 63 Resp: 380733

Ion Ratio Lower Upper

63 100

106 29.5 23.8 35.6





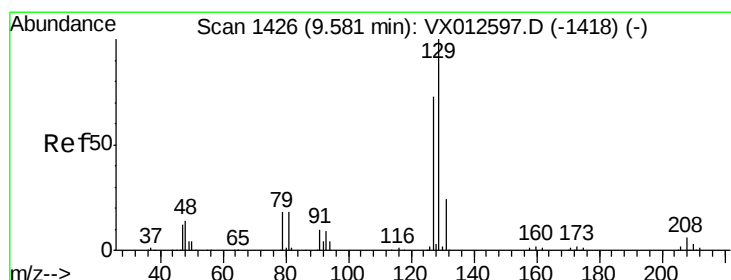
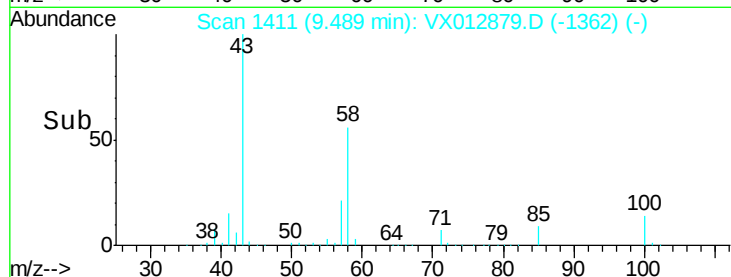
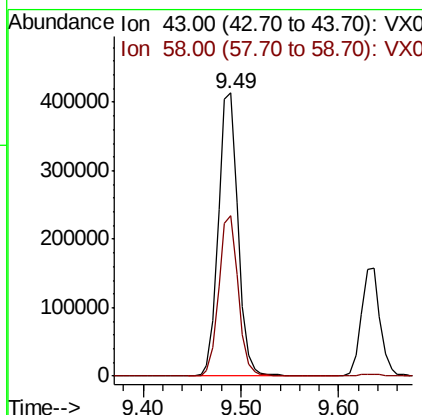
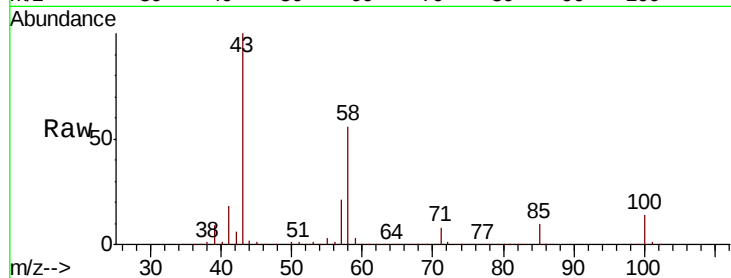
#59
2-Hexanone
Concen: 226.442 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 577389
Ion Ratio Lower Upper
43 100
58 56.1 25.7 77.1

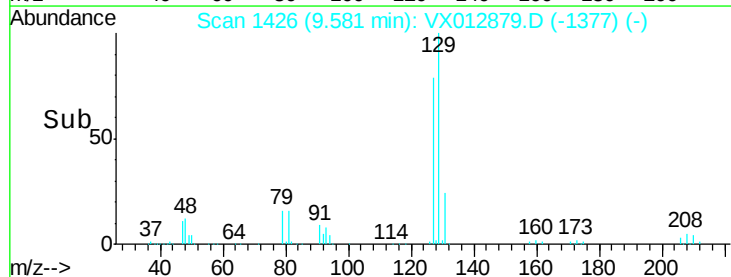
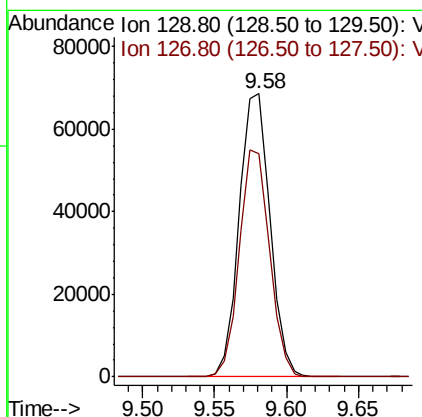
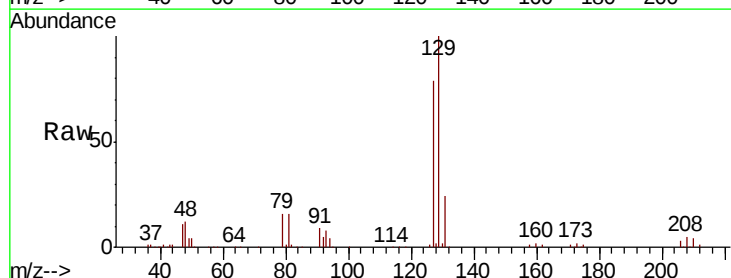
Manual Integrations
APPROVED

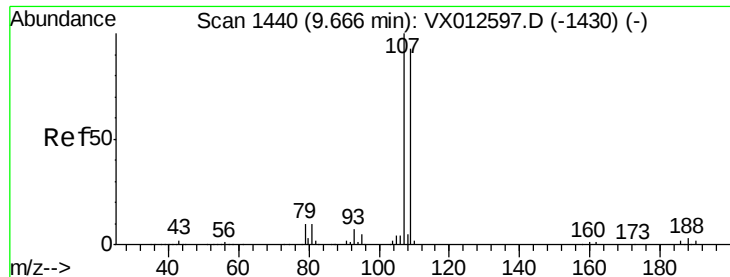
MMDadoda
10/8/2019 2:07:34 PM



#60
Dibromochloromethane
Concen: 49.728 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion:129 Resp: 102156
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.272 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 104062

Ion Ratio Lower Upper

107 100

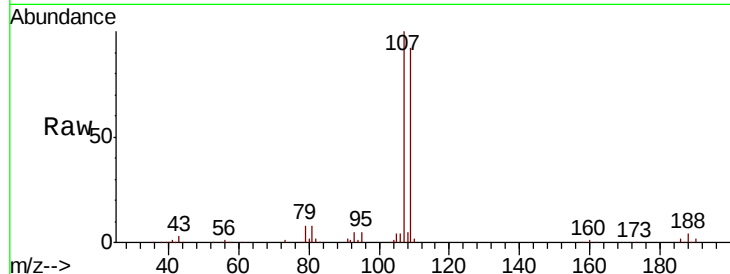
109 92.9 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

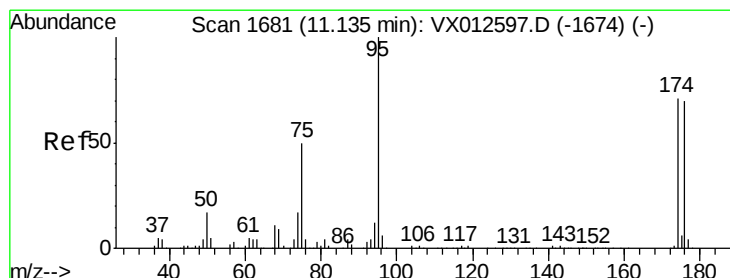
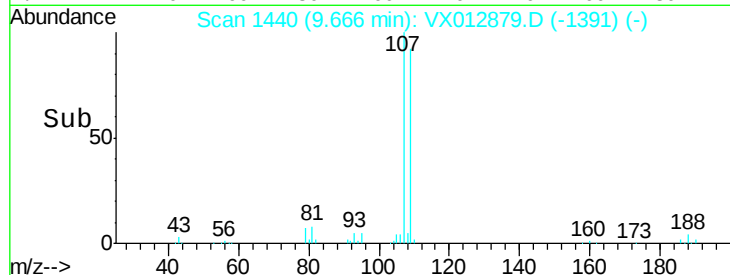
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.373 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

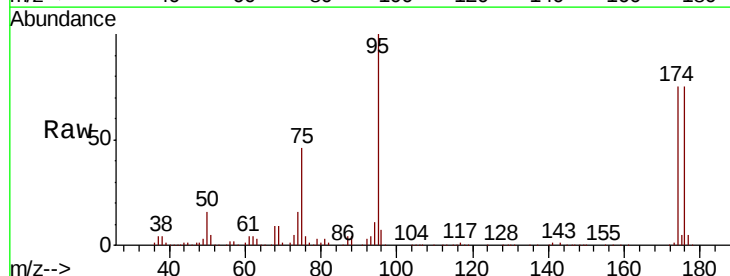
Tgt Ion: 95 Resp: 124920

Ion Ratio Lower Upper

95 100

174 73.5 0.0 140.0

176 70.5 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

120000

100000

80000

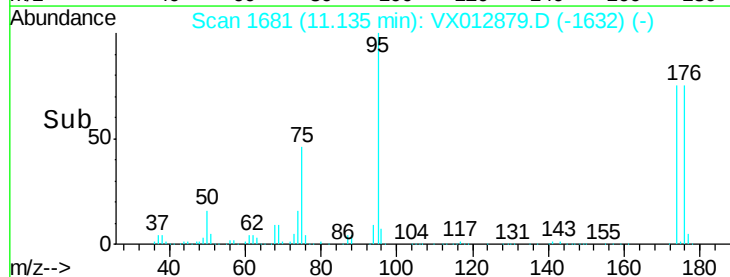
60000

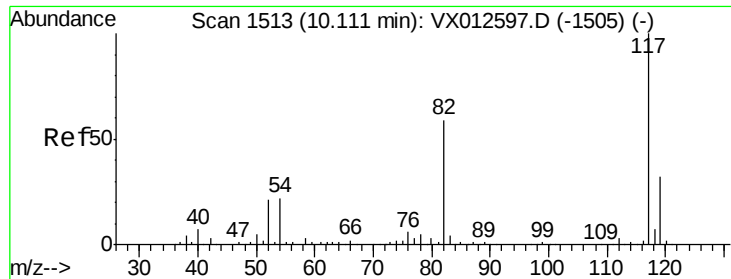
40000

20000

0

Time-->





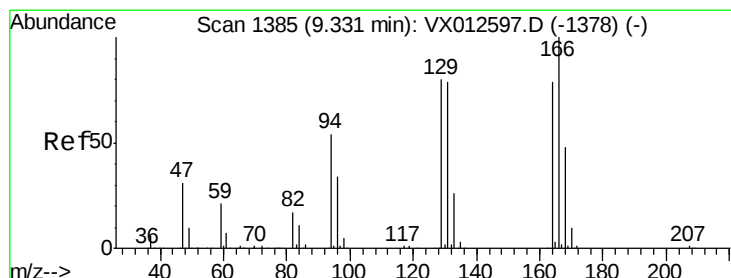
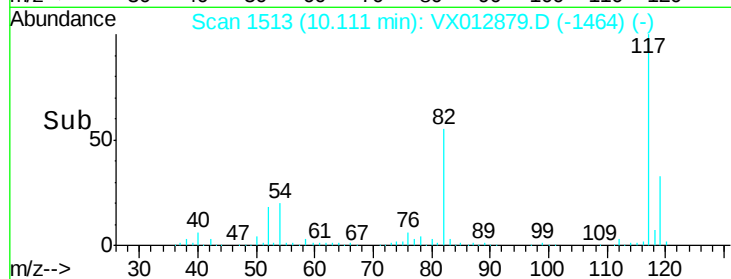
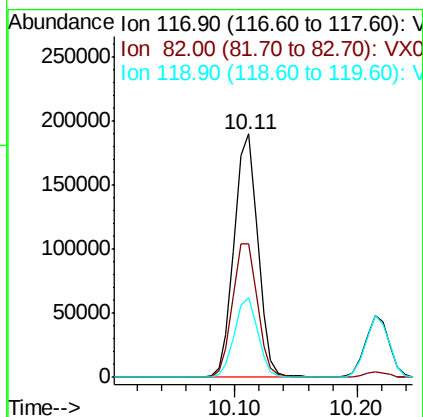
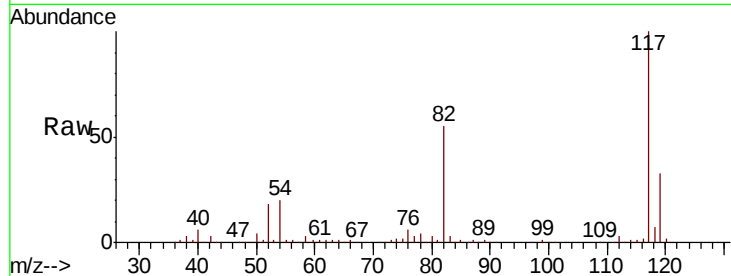
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.9	68.9
119	32.5	25.3	37.9

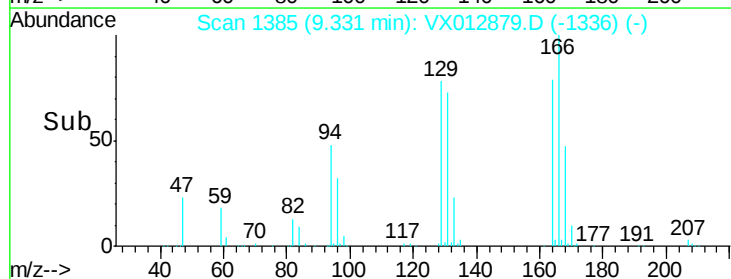
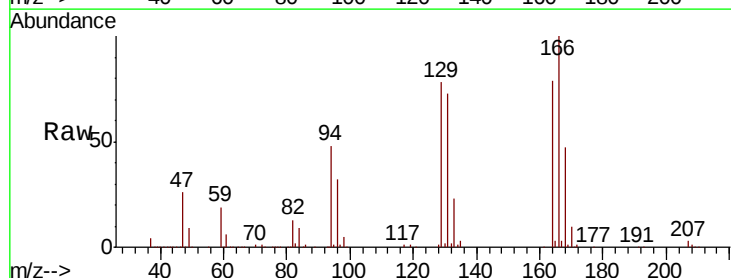
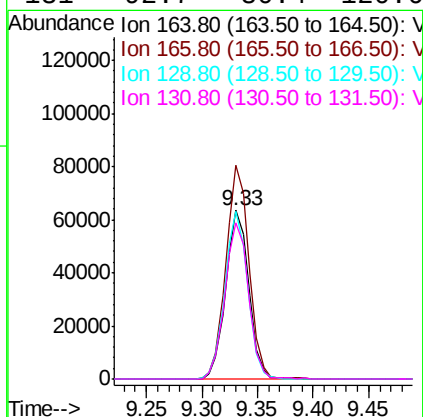
Manual Integrations
APPROVED

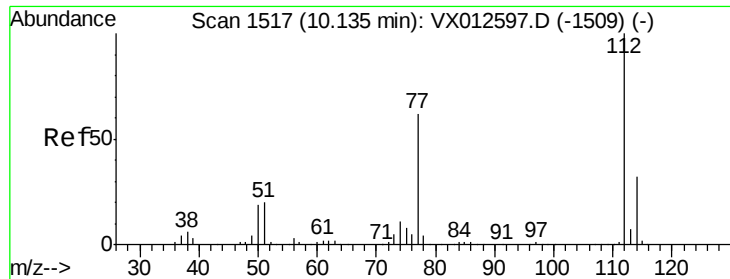
MMDadoda
10/8/2019 2:07:34 PM



#64
Tetrachloroethene
Concen: 51.197 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	107.8	161.6
129	99.4	86.2	129.2
131	92.7	80.4	120.6





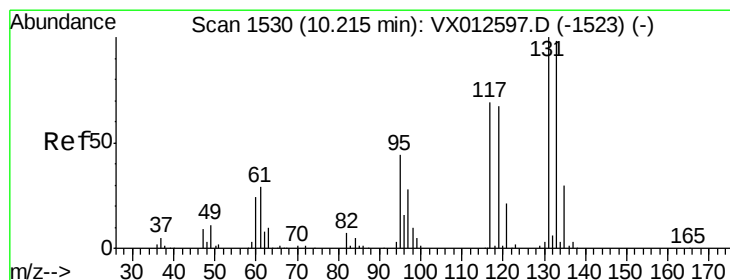
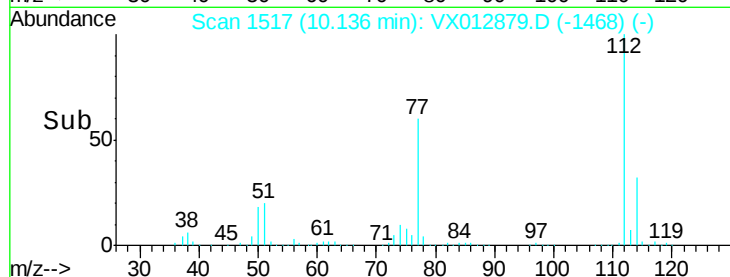
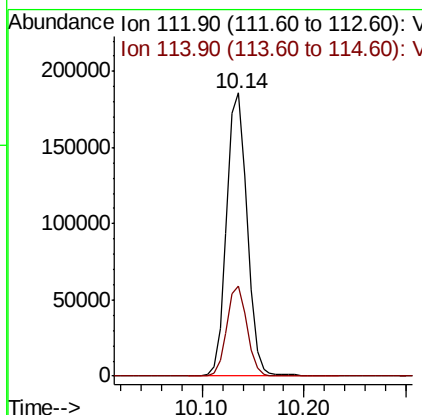
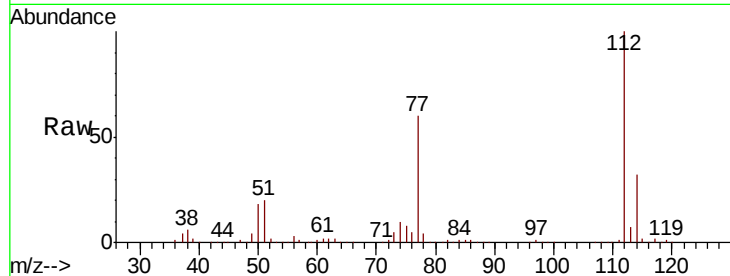
#65
Chlorobenzene
Concen: 48.131 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 258263
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

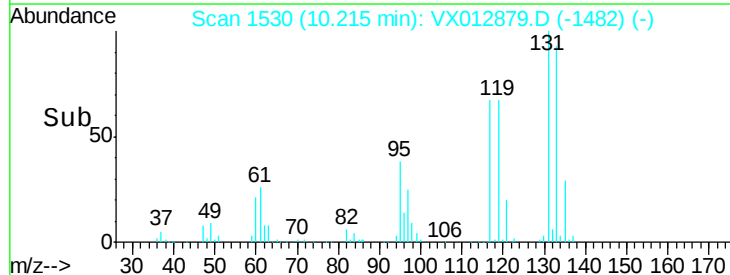
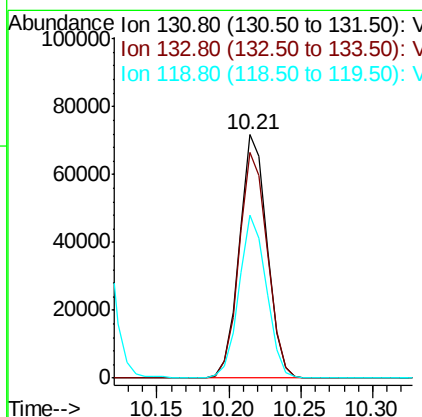
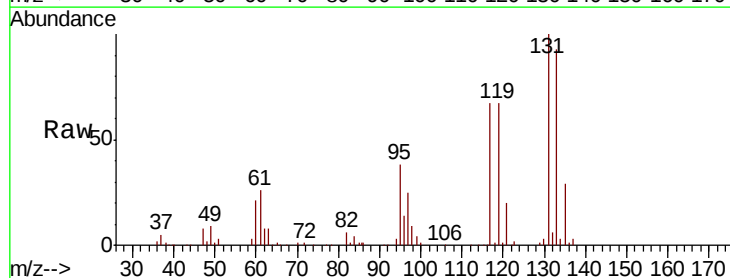
Manual Integrations
APPROVED

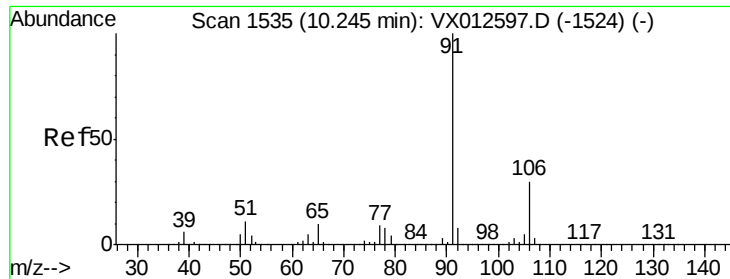
MMDadoda
10/8/2019 2:07:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.301 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion:131 Resp: 95850
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.9
119 66.1 31.3 93.8





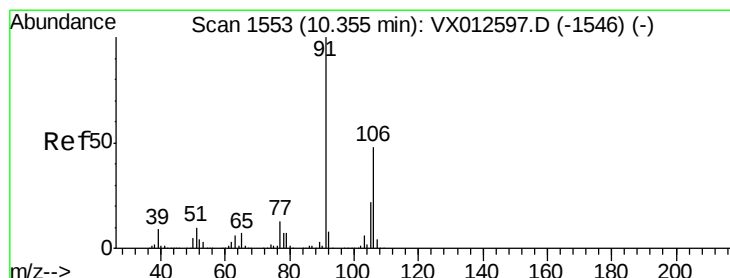
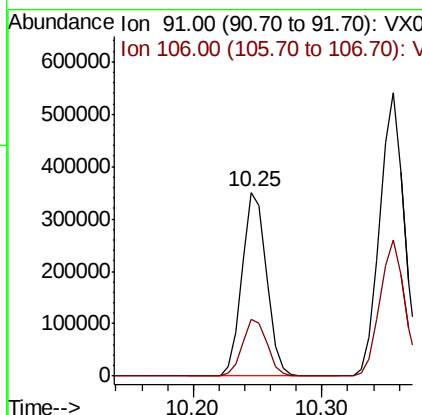
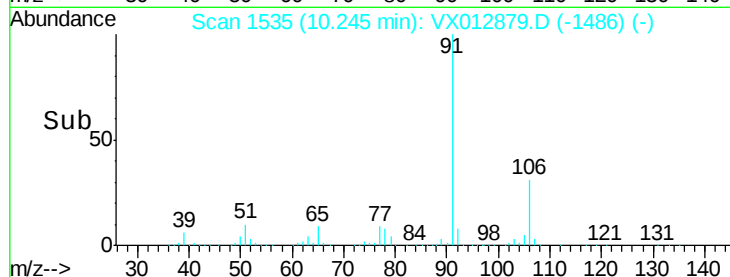
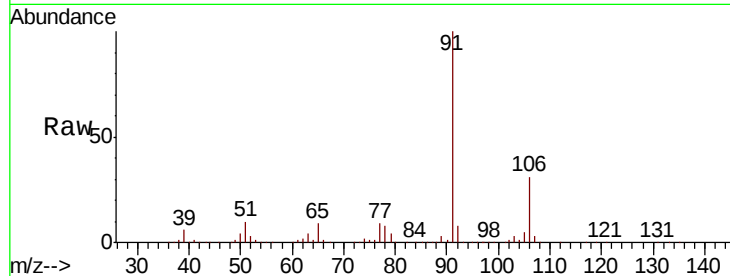
#67
Ethyl Benzene
Concen: 47.514 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 462416
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

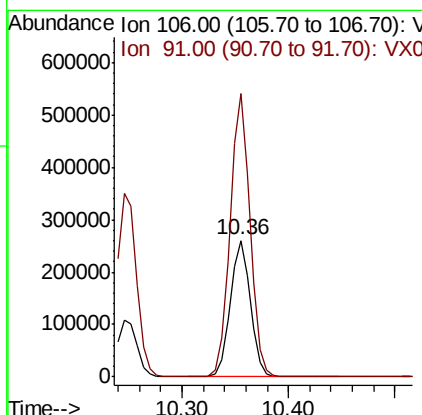
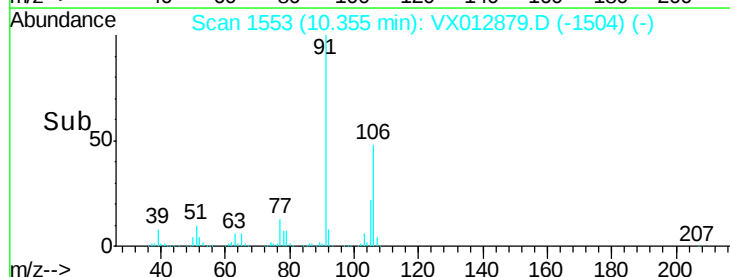
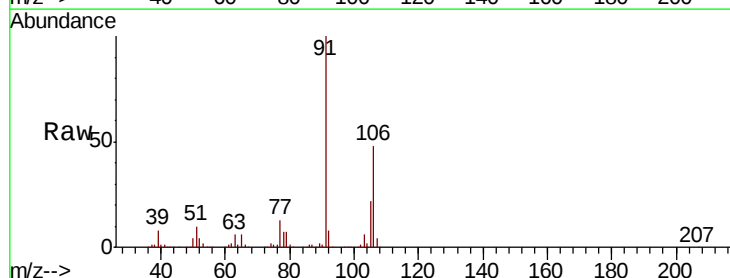
Manual Integrations
APPROVED

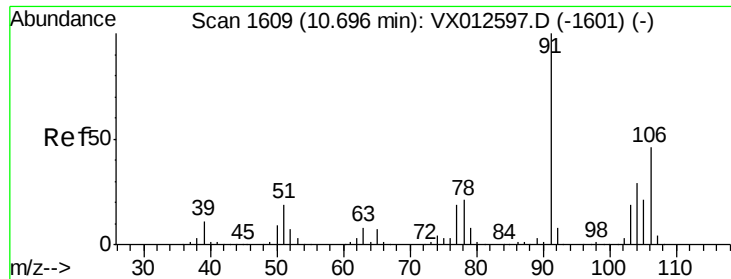
MMDadoda
10/8/2019 2:07:34 PM



#68
m/p-Xylenes
Concen: 94.521 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion: 106 Resp: 344594
Ion Ratio Lower Upper
106 100
91 205.7 166.6 250.0





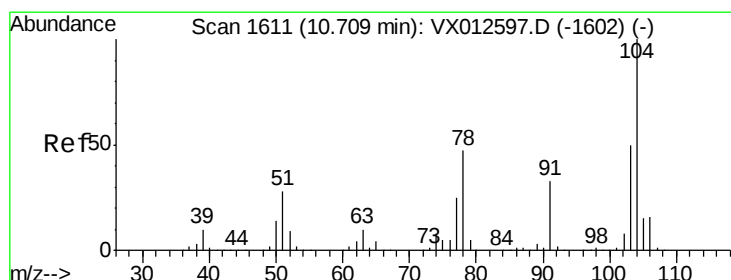
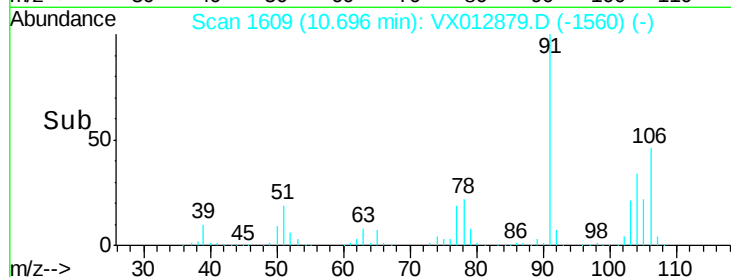
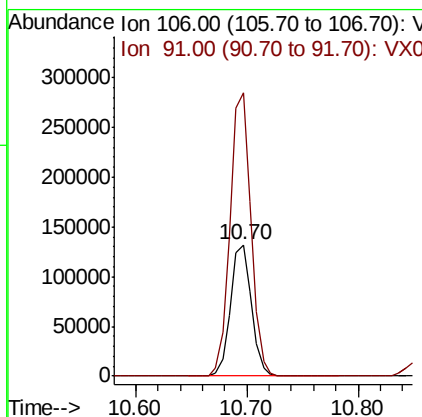
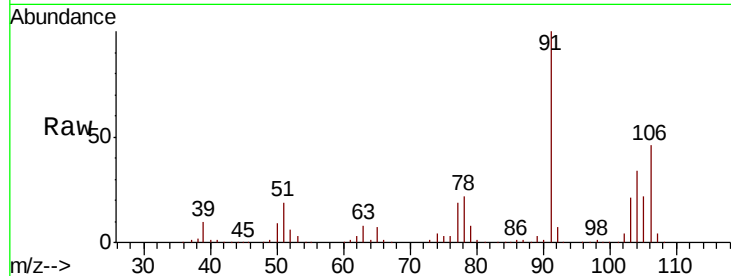
#69
o-Xylene
Concen: 48.485 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 171040
Ion Ratio Lower Upper
106 100
91 215.8 109.4 328.2

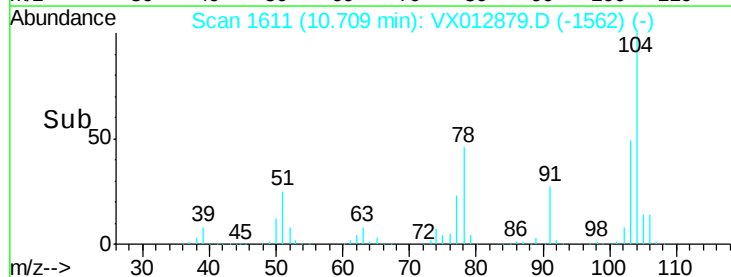
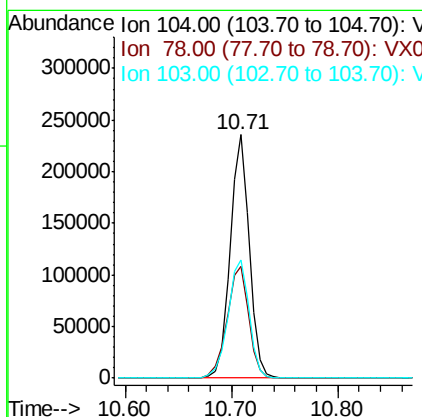
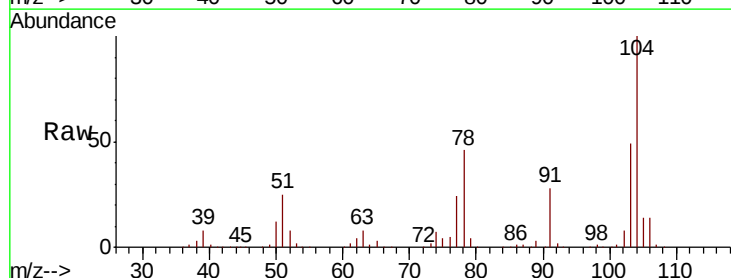
Manual Integrations
APPROVED

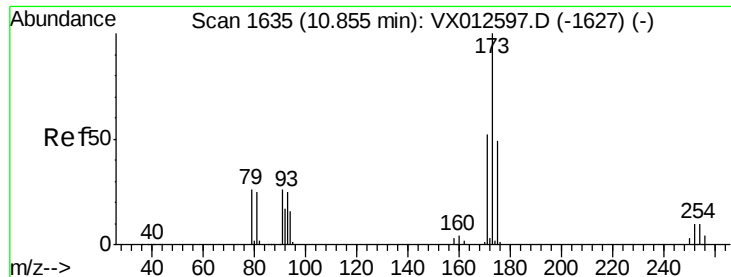
MMDadoda
10/8/2019 2:07:34 PM



#70
Styrene
Concen: 50.292 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion:104 Resp: 297417
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.2
103 53.8 43.3 64.9





#71

Bromoform

Concen: 53.142 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 71940

Ion Ratio Lower Upper

173 100

175 48.1 23.7 71.1

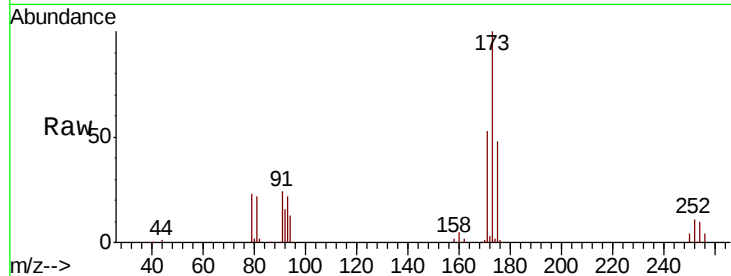
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

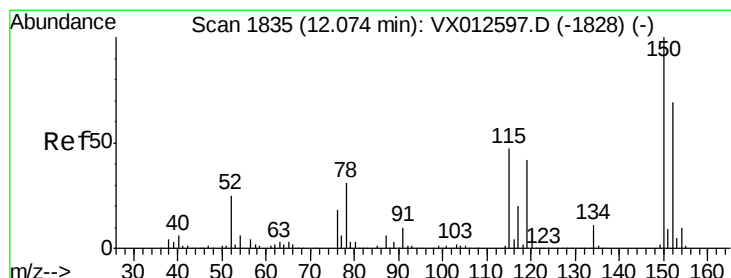
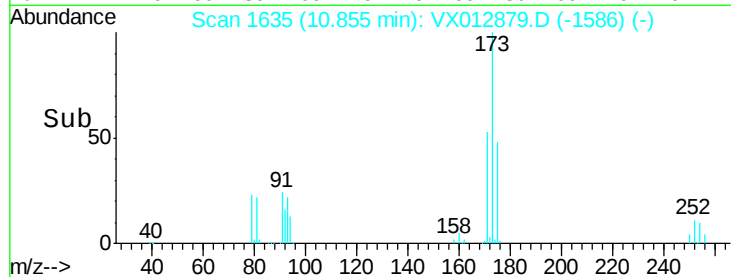
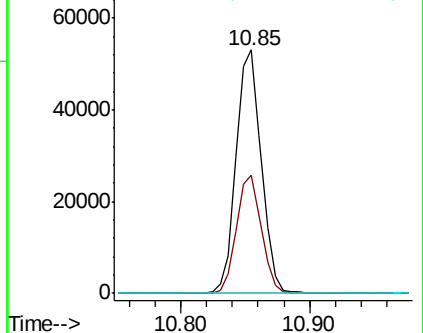
10/8/2019 2:07:34 PM



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# 1835

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

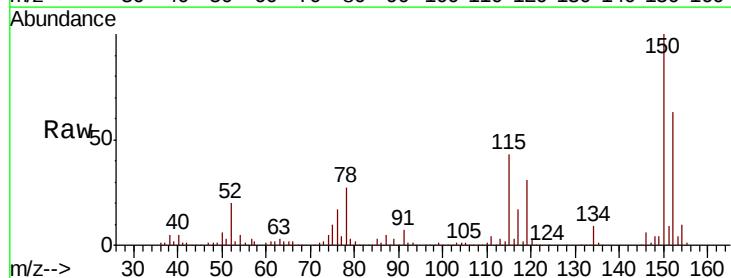
Tgt Ion:152 Resp: 121128

Ion Ratio Lower Upper

152 100

115 89.6 44.1 132.3

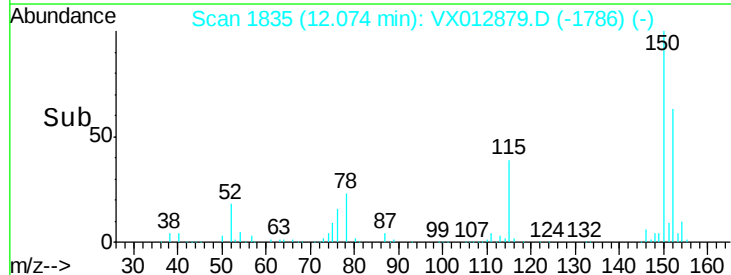
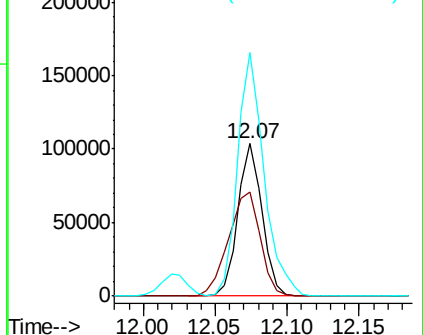
150 175.7 0.0 343.8

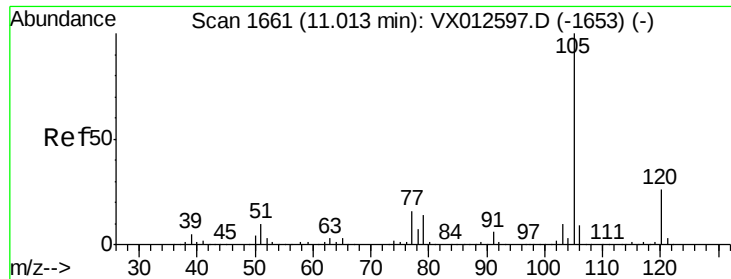


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.954 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 453362

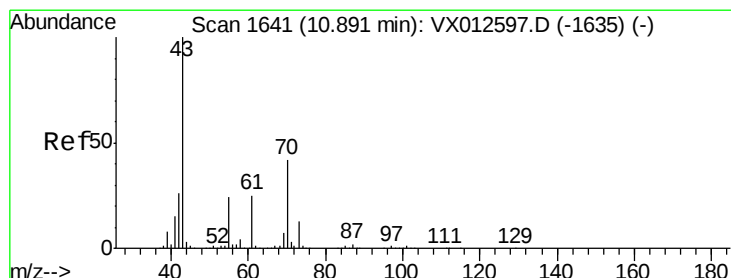
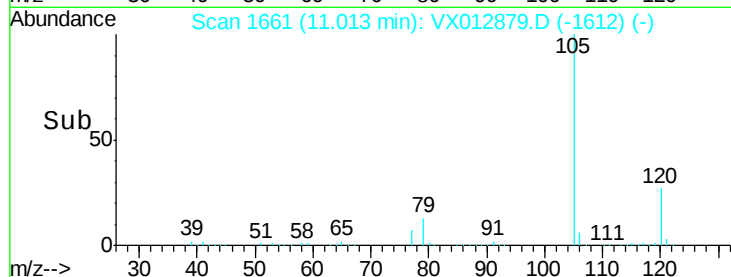
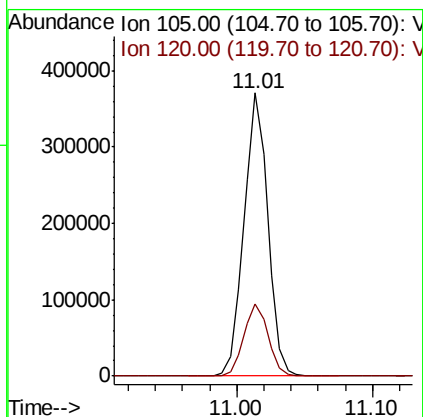
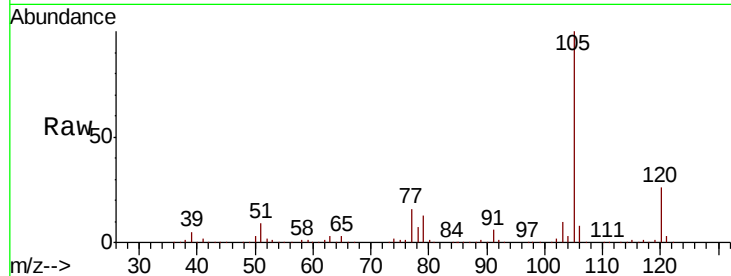
Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#74

N-ethyl acetate

Concen: 45.674 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion: 43 Resp: 214964

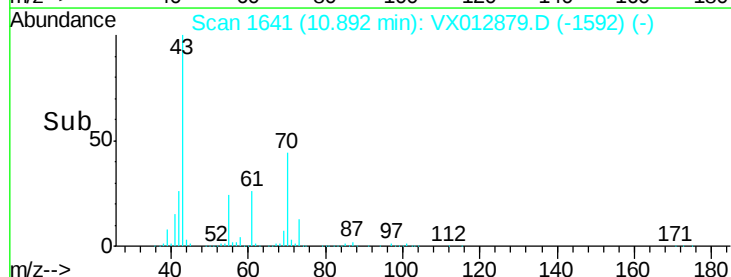
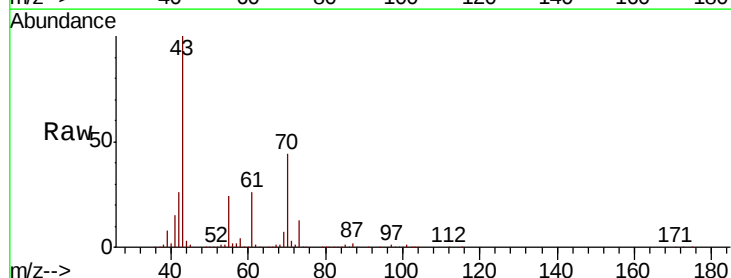
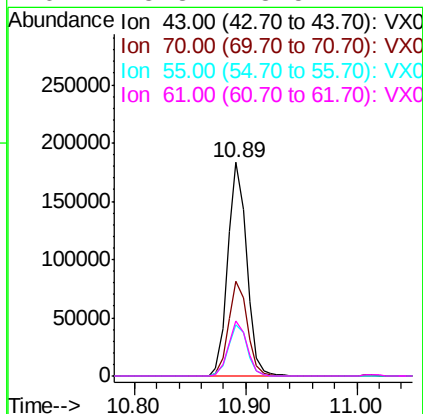
Ion Ratio Lower Upper

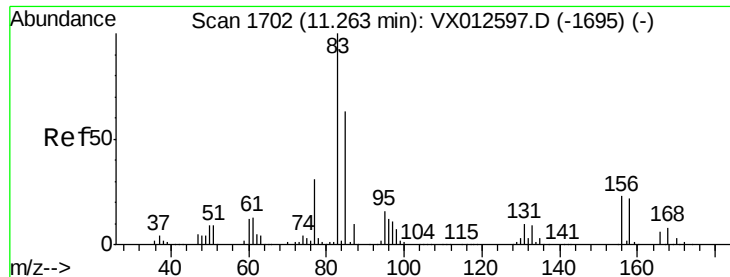
43 100

70 44.0 32.4 48.6

55 24.3 18.2 27.4

61 25.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.580 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

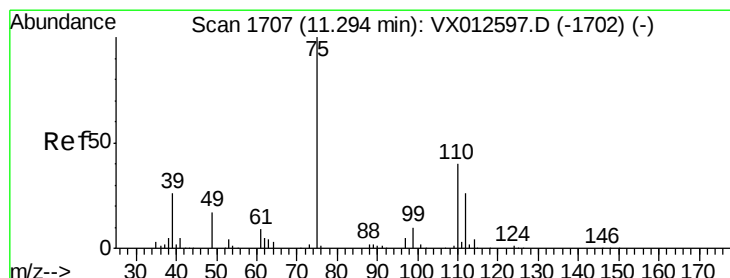
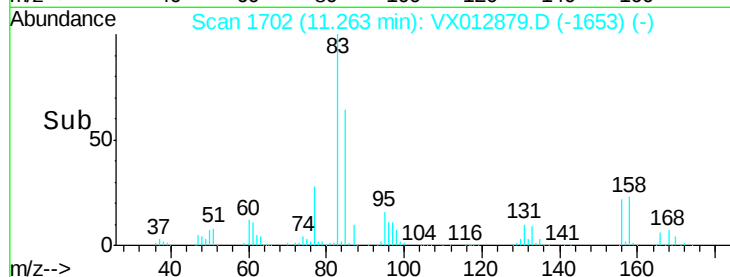
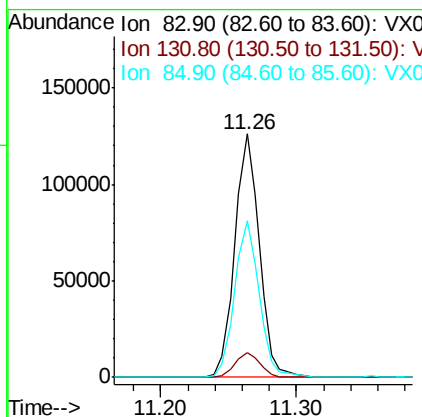
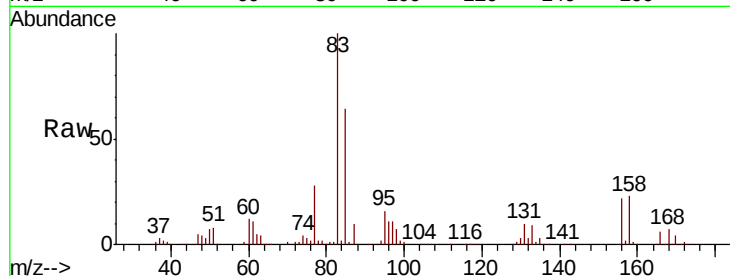
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	158727
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#76

1,2,3-Trichloropropane

Concen: 45.486 ug/l m

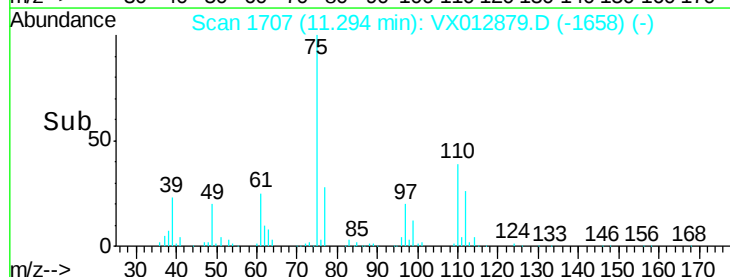
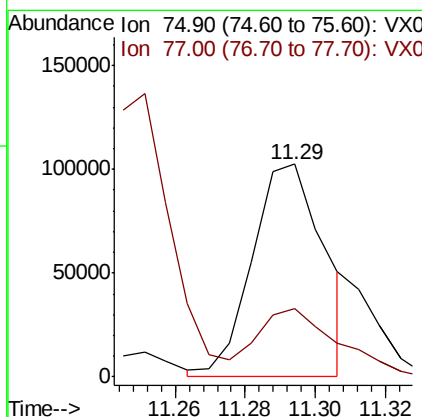
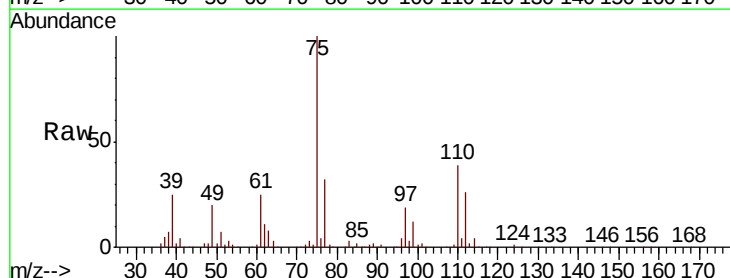
RT: 11.29 min Scan# 1707

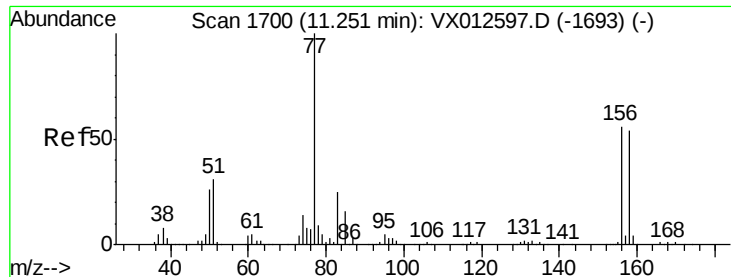
Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Tgt Ion:	75	Resp:	145743
Ion Ratio	Lower	Upper	
75	100		
77	36.1	19.7	59.0





#77

Bromobenzene

Concen: 46.743 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 104368

Ion Ratio Lower Upper

156 100

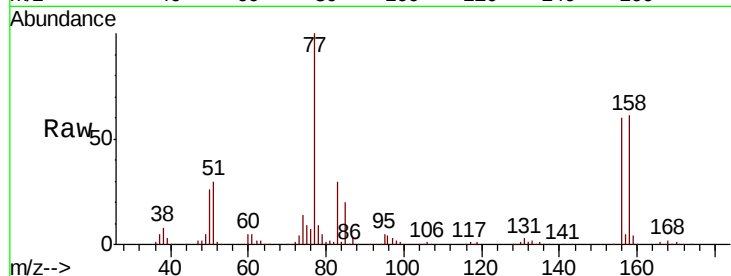
77 173.4 87.3 261.8

158 100.7 48.5 145.6

Manual Integrations
APPROVED

MMDadoda

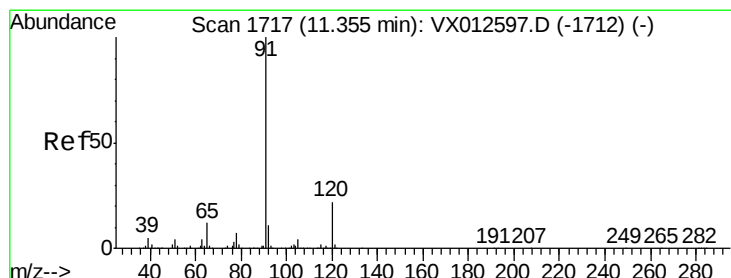
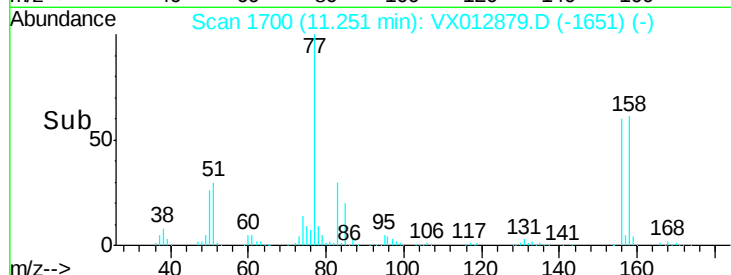
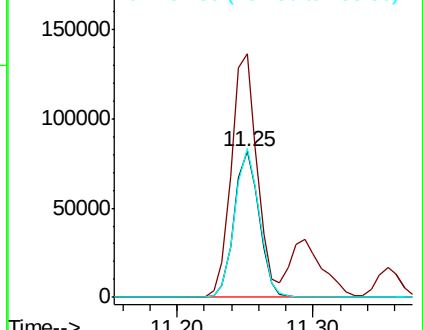
10/8/2019 2:07:34 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.401 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012879.D

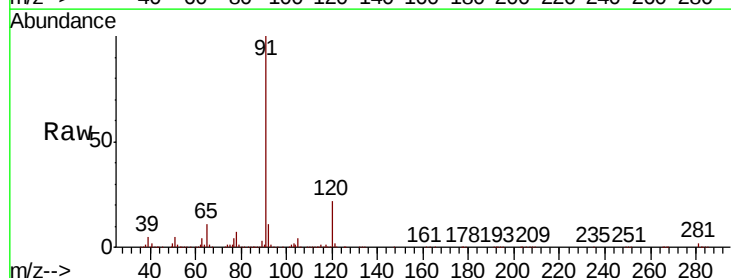
Acq: 08 Oct 2019 08:19

Tgt Ion: 91 Resp: 504265

Ion Ratio Lower Upper

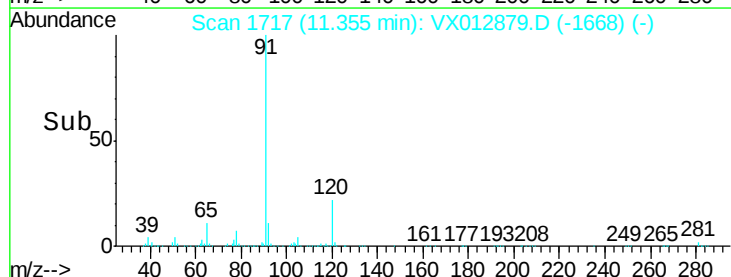
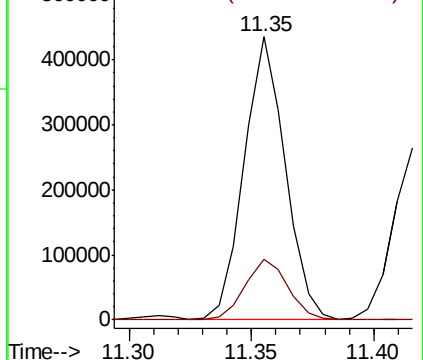
91 100

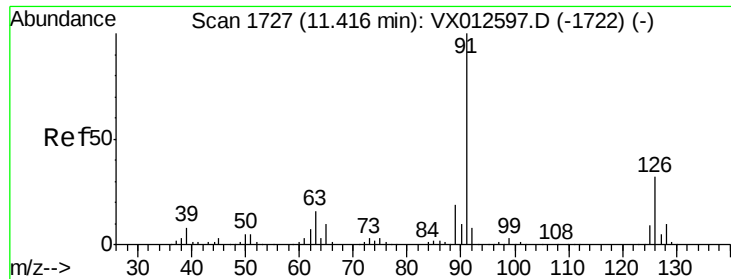
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.517 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 315373

Ion Ratio Lower Upper

91 100

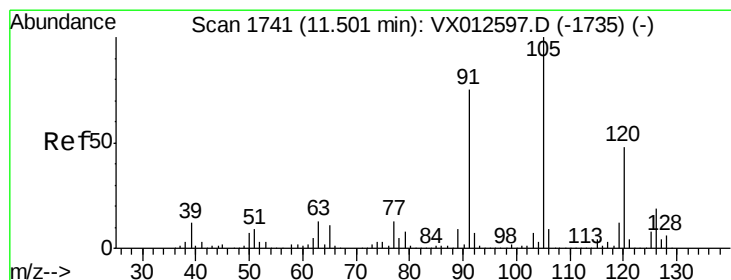
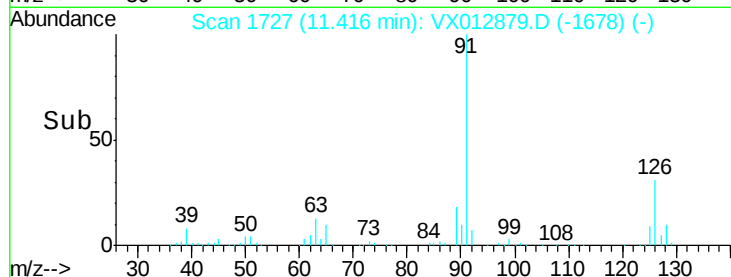
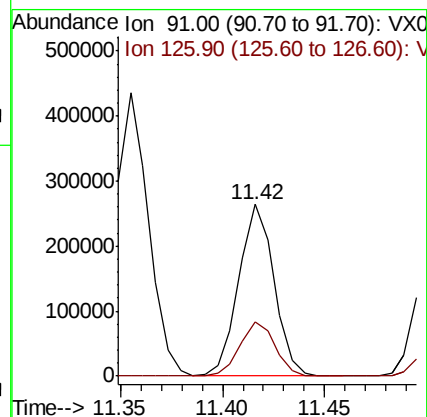
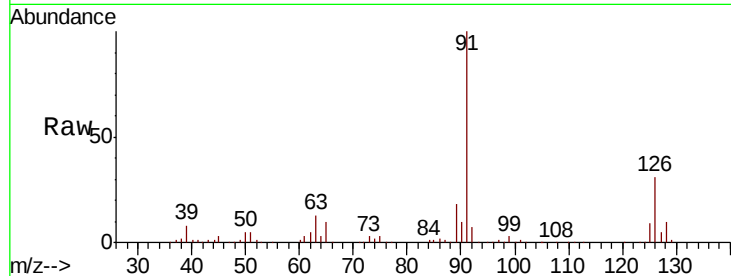
126 31.7 16.4 49.4

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:34 PM



#80

1,3,5-Trimethylbenzene

Concen: 46.814 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012879.D

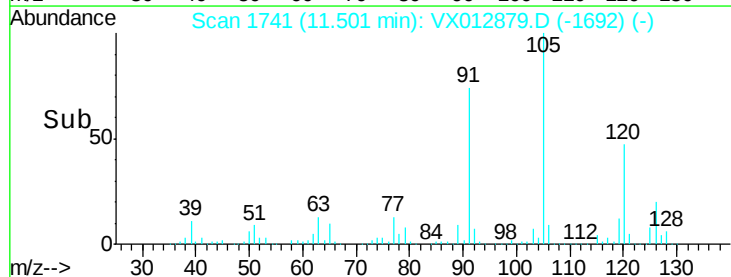
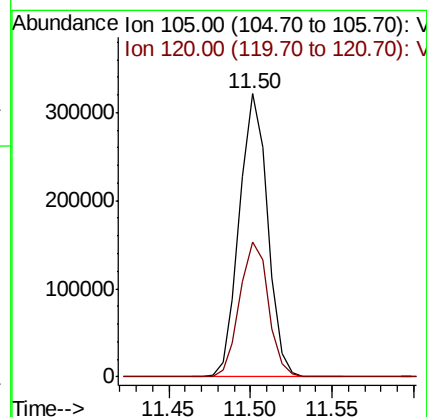
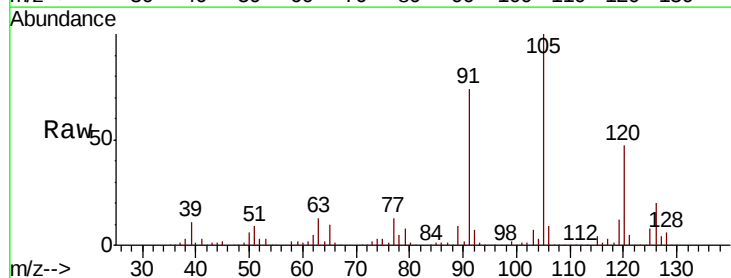
Acq: 08 Oct 2019 08:19

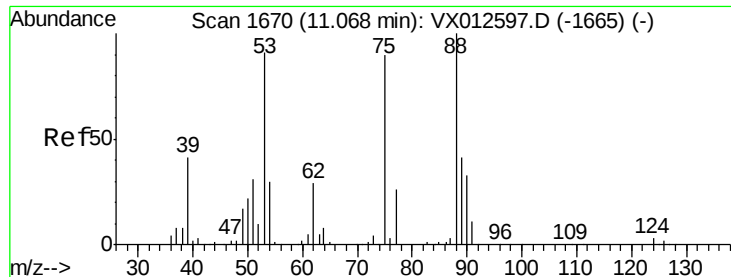
Tgt Ion: 105 Resp: 387297

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 36.907 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 41265

Ion Ratio Lower Upper

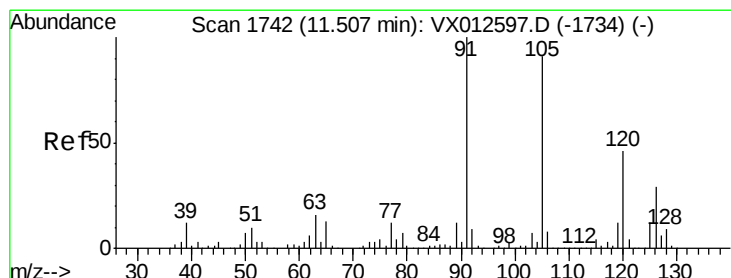
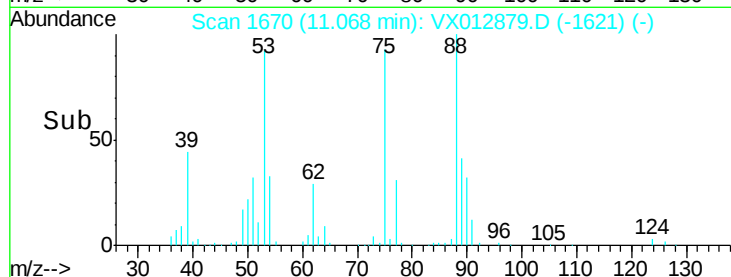
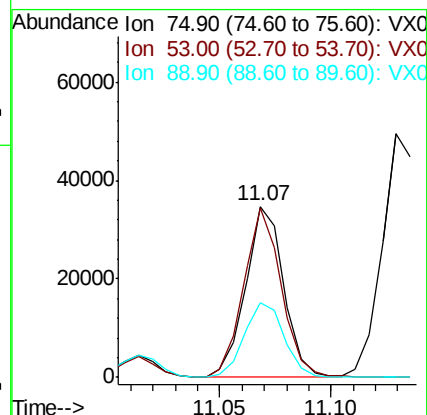
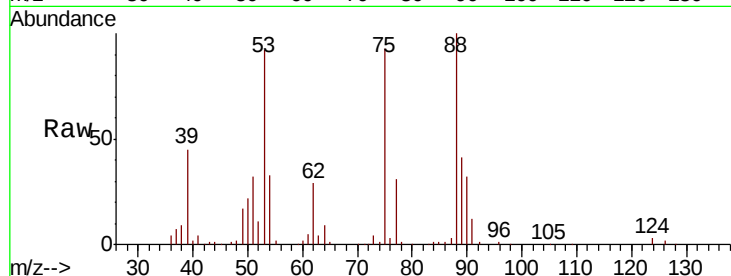
75 100

53 97.6 83.6 125.4

89 46.1 36.3 54.5

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#82

4-Chlorotoluene

Concen: 45.432 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012879.D

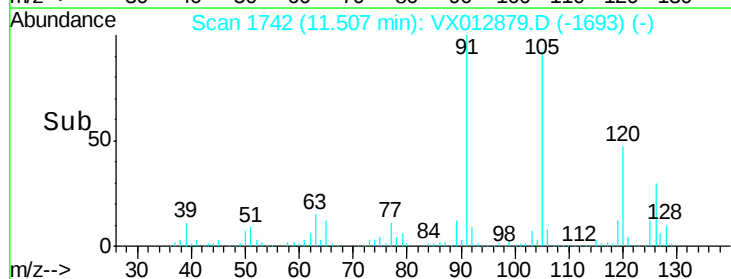
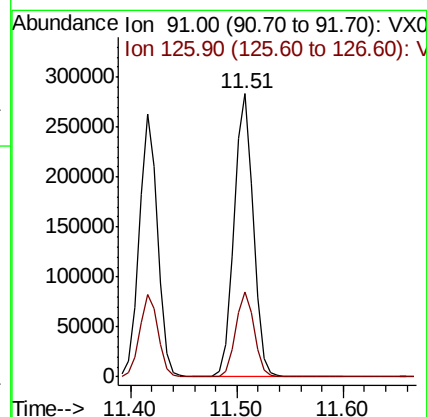
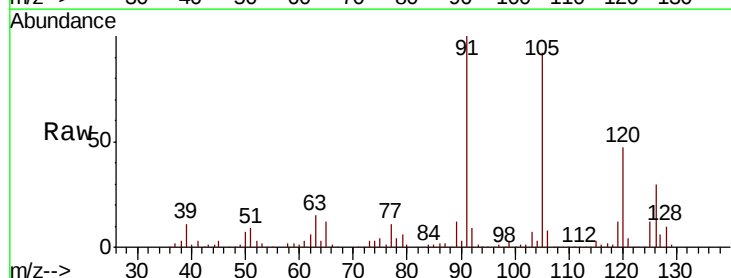
Acq: 08 Oct 2019 08:19

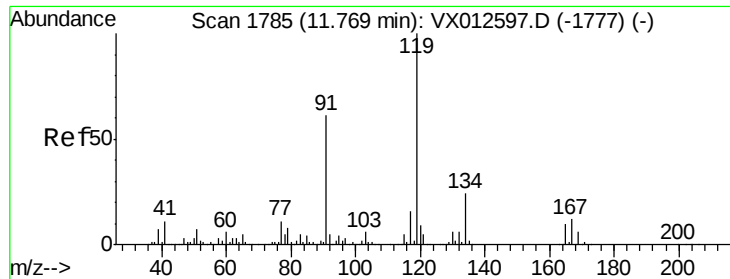
Tgt Ion: 91 Resp: 358839

Ion Ratio Lower Upper

91 100

126 29.1 14.4 43.0





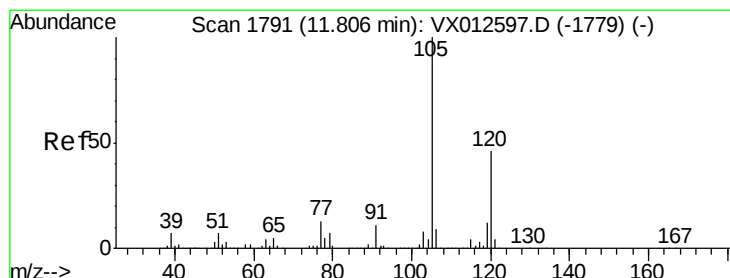
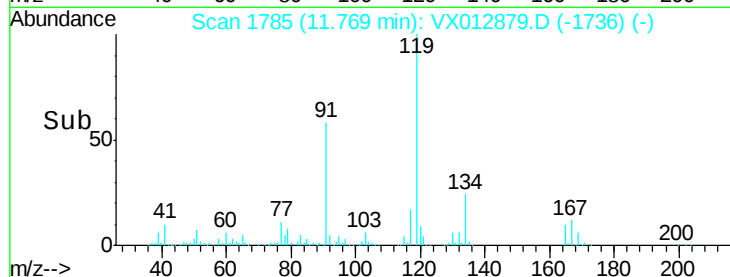
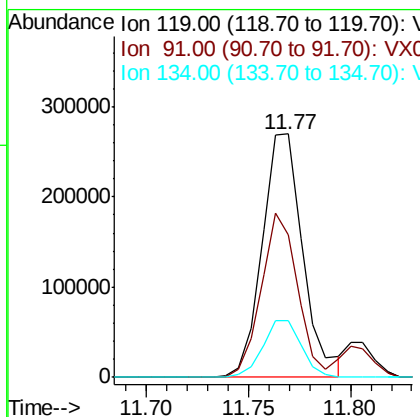
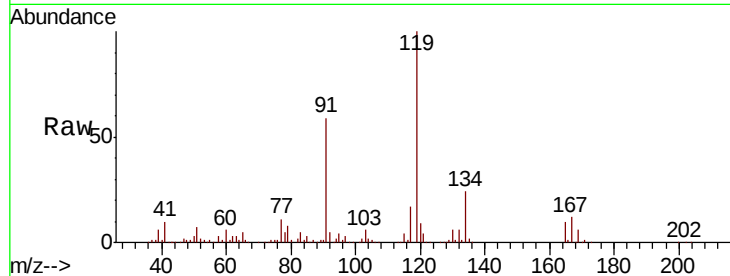
#83
tert-Butylbenzene
Concen: 46.956 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.0	90.0
134	22.3	11.3	33.9

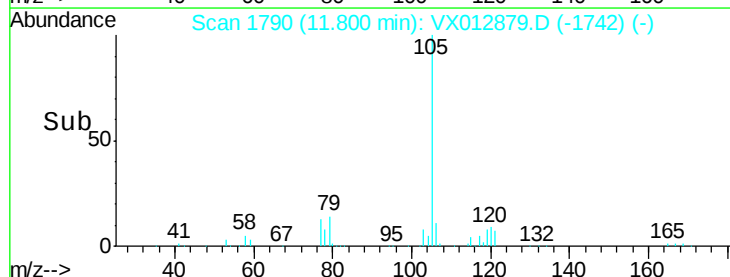
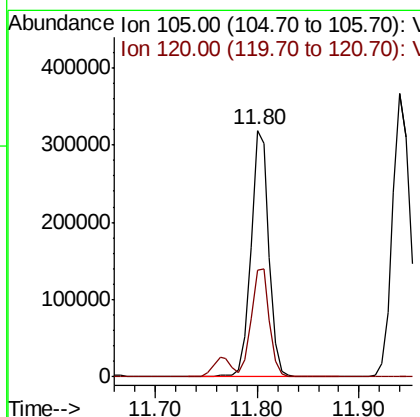
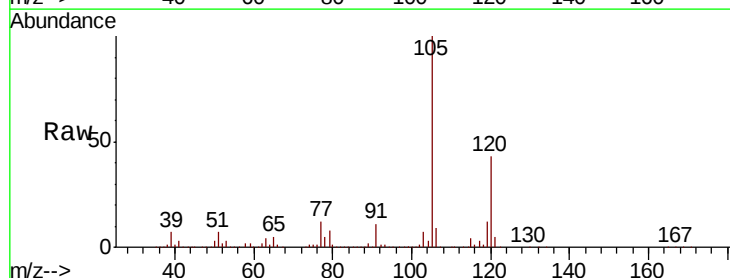
Manual Integrations
APPROVED

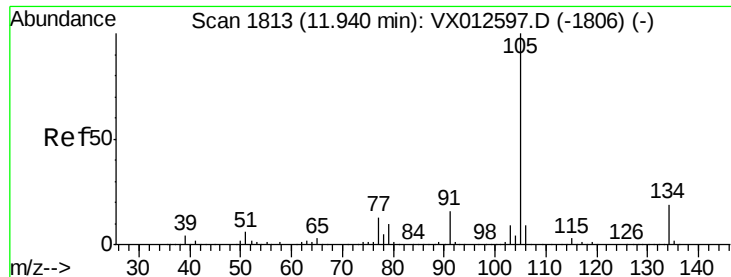
MMDadoda
10/8/2019 2:07:34 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.754 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6





#85

sec-Butylbenzene

Concen: 47.711 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 442863

Ion Ratio Lower Upper

105 100

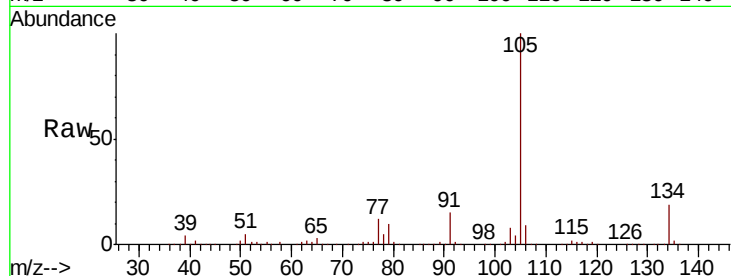
134 19.3 9.8 29.4

Manual Integrations

APPROVED

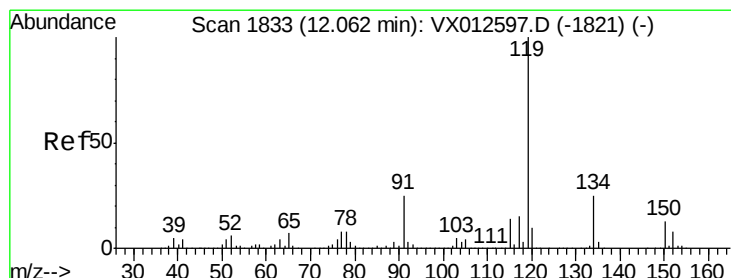
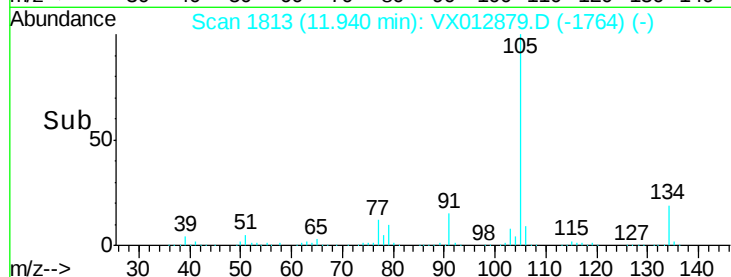
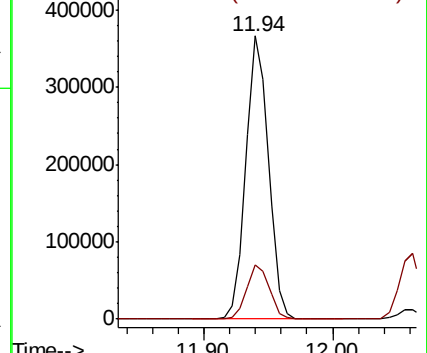
MMDadoda

10/8/2019 2:07:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.745 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012879.D

Acq: 08 Oct 2019 08:19

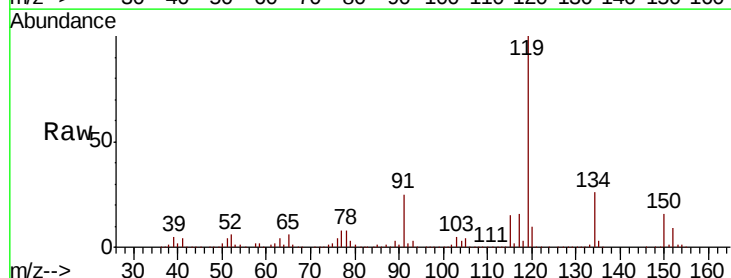
Tgt Ion:119 Resp: 399885

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

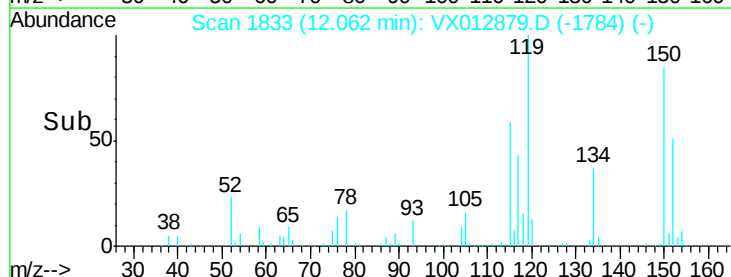
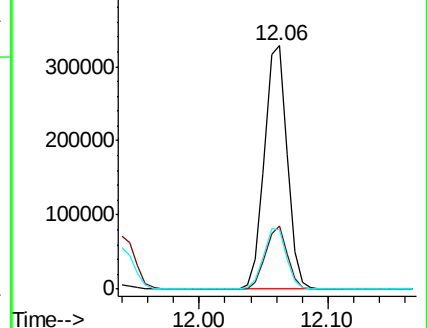
91 24.9 12.8 38.4

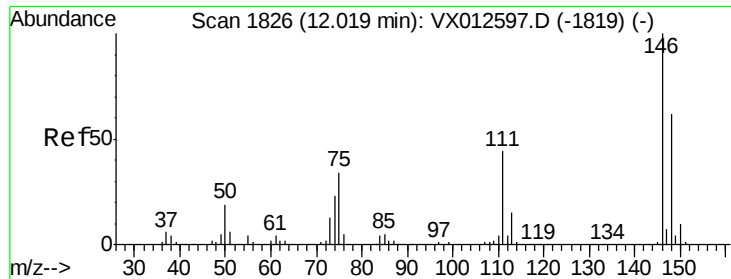


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





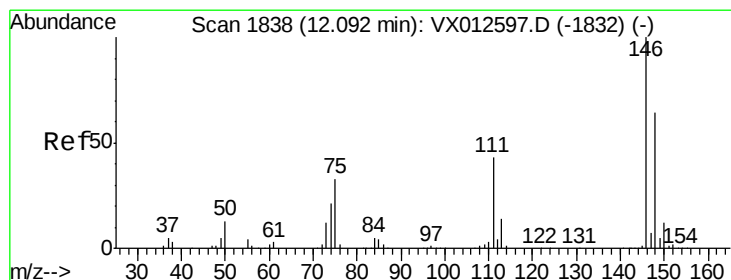
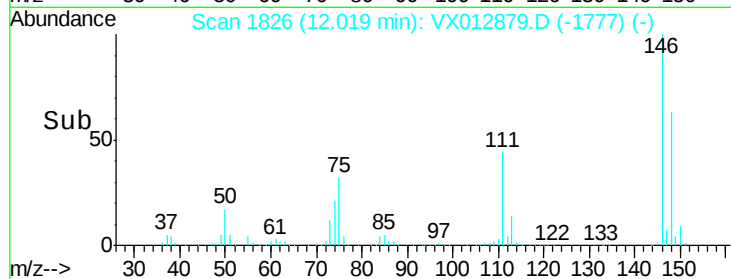
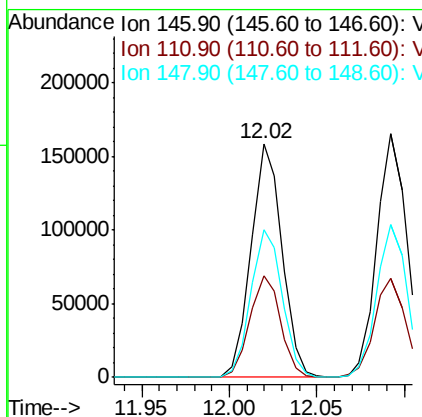
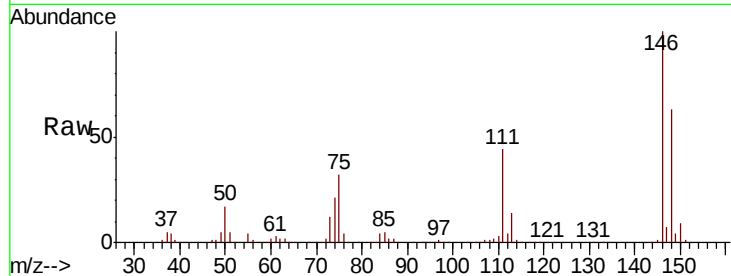
#87
 1,3-Dichlorobenzene
 Concen: 48.582 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	64.0
148	64.1	32.4	97.2

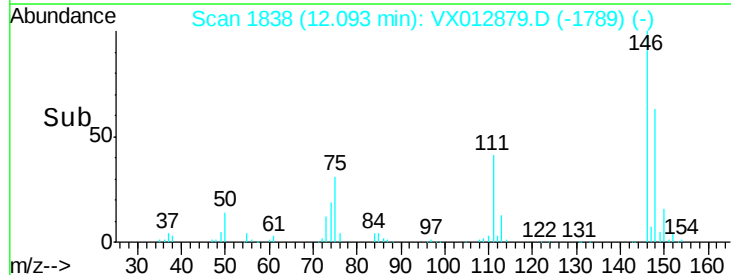
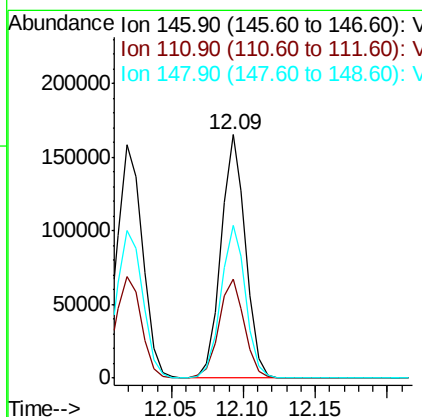
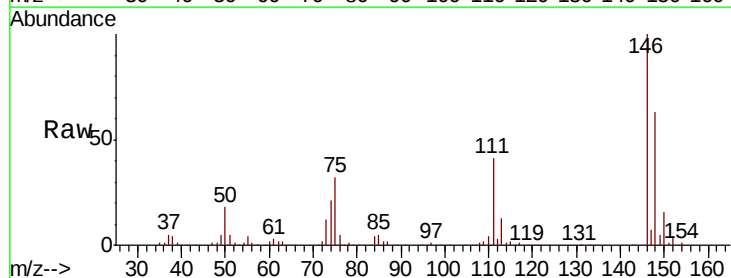
Manual Integrations
 APPROVED

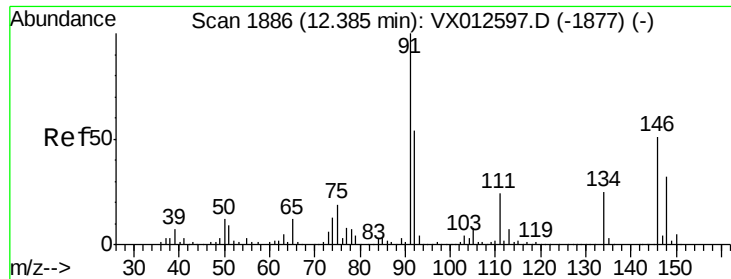
MMDadoda
 10/8/2019 2:07:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.678 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.4	32.1	96.5





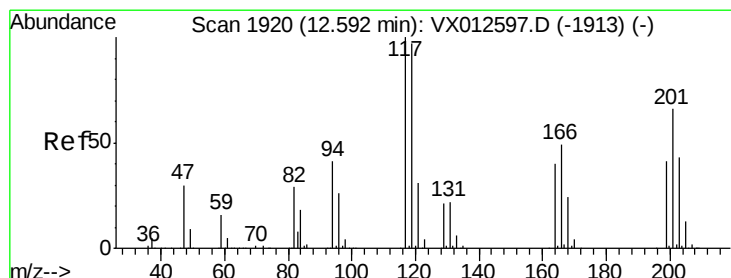
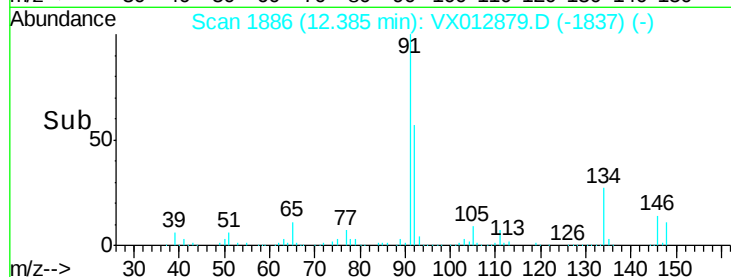
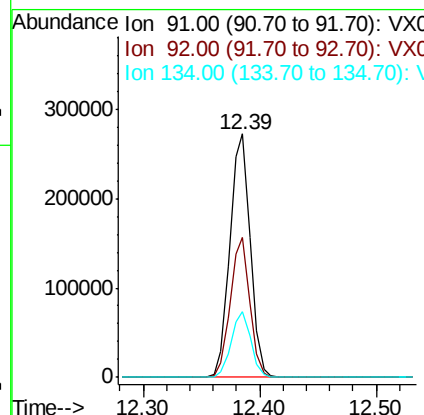
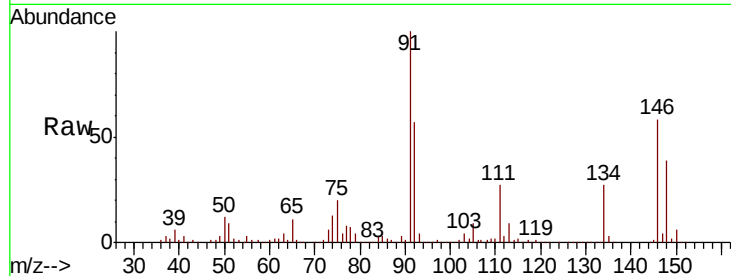
#89
n-Butylbenzene
Concen: 44.437 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.7	83.0
134	26.2	12.9	38.6

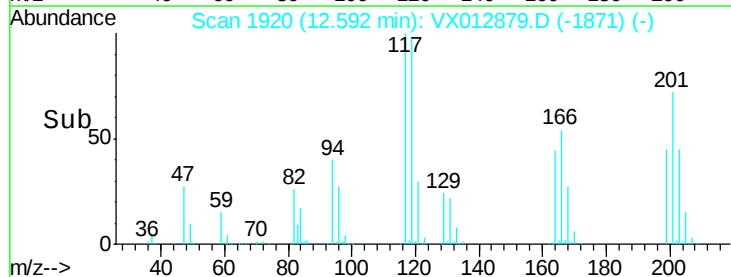
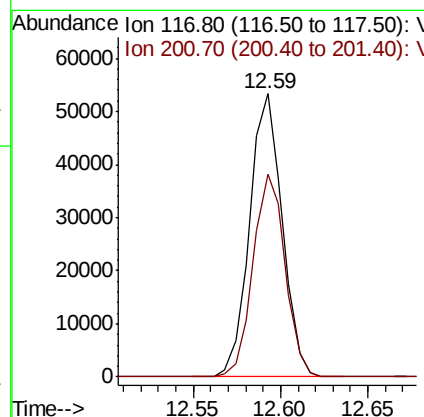
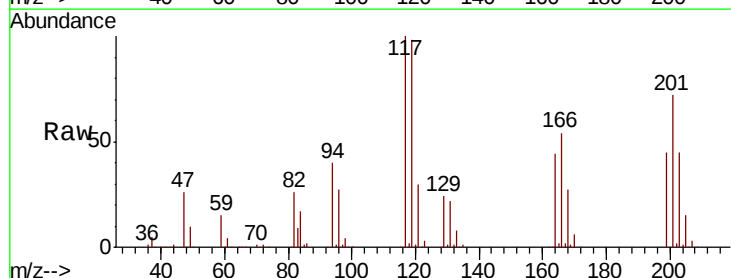
Manual Integrations
APPROVED

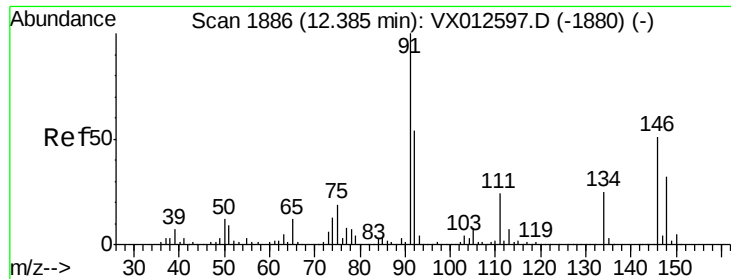
MMDadoda
10/8/2019 2:07:34 PM



#90
Hexachloroethane
Concen: 46.135 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	33.3	99.8





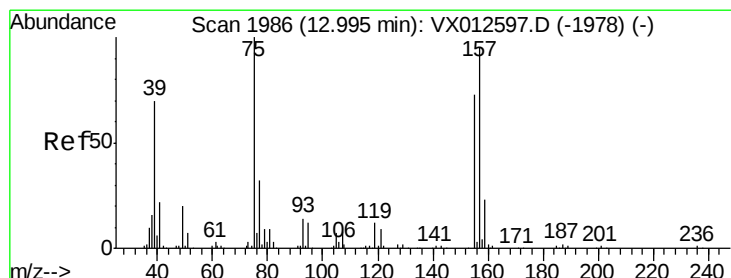
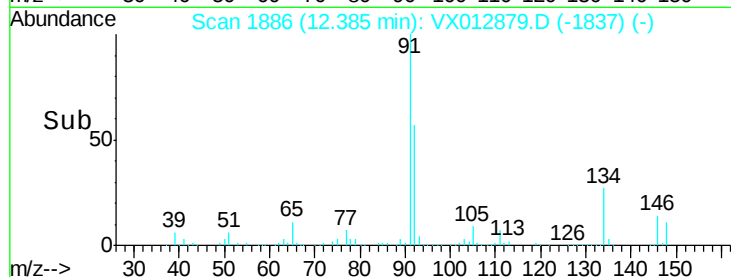
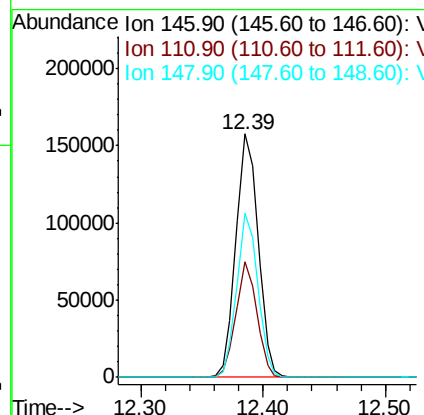
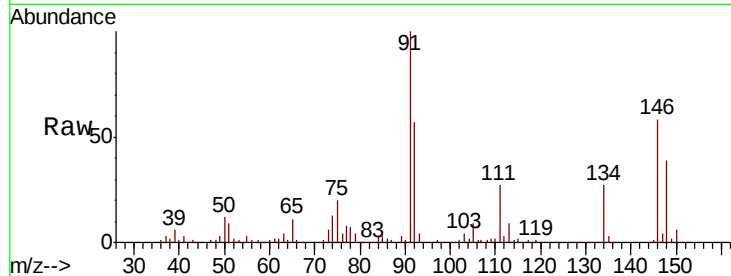
#91
 1,2-Dichlorobenzene
 Concen: 49.154 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.1
148	64.0	31.3	93.9

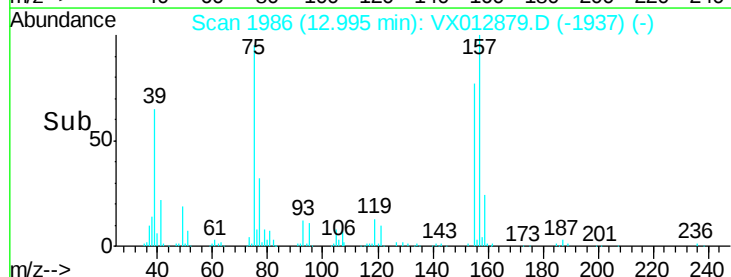
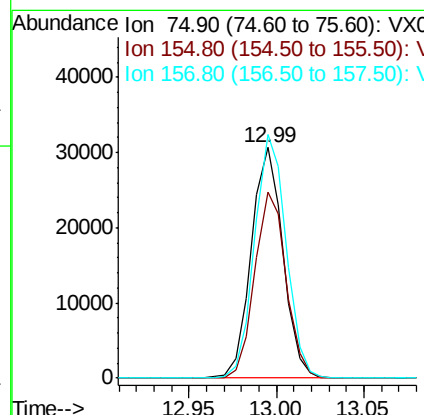
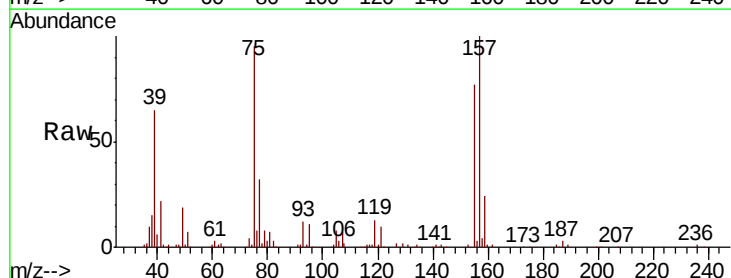
Manual Integrations
 APPROVED

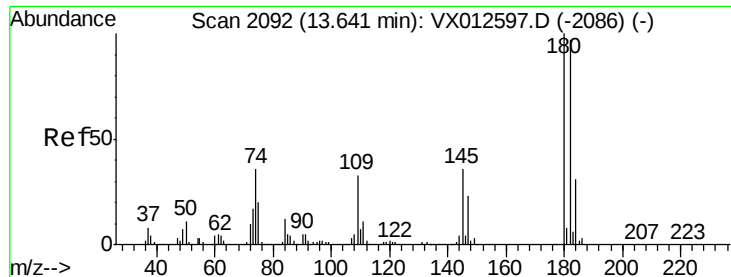
MMDadoda
 10/8/2019 2:07:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.154 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	38.6	115.8
157	105.3	50.6	151.9





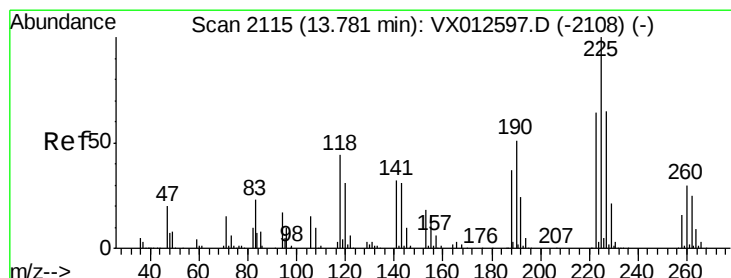
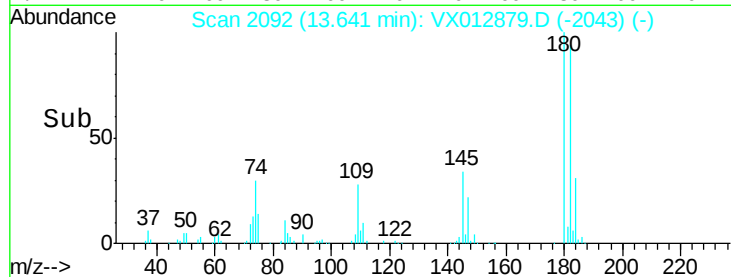
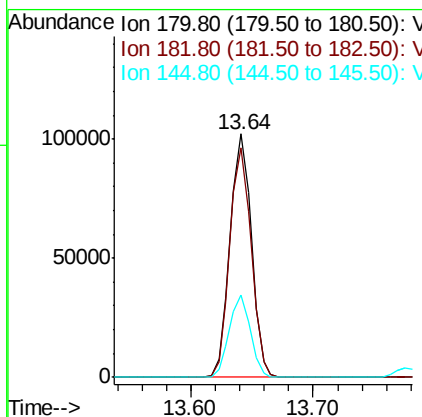
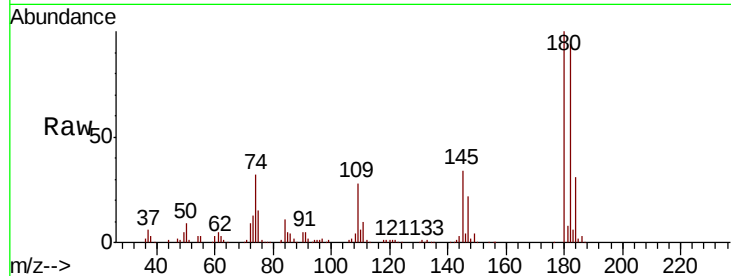
#93
 1,2,4-Trichlorobenzene
 Concen: 50.252 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123286		
182	94.6	47.0	141.0	
145	33.6	16.8	50.4	

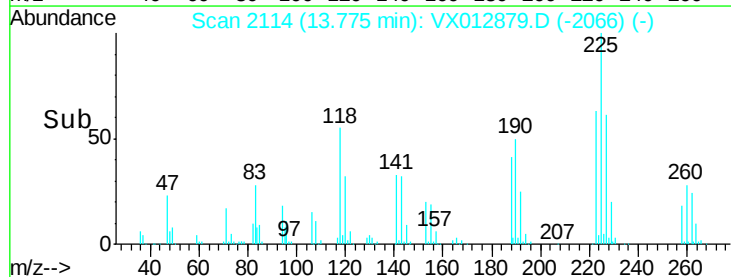
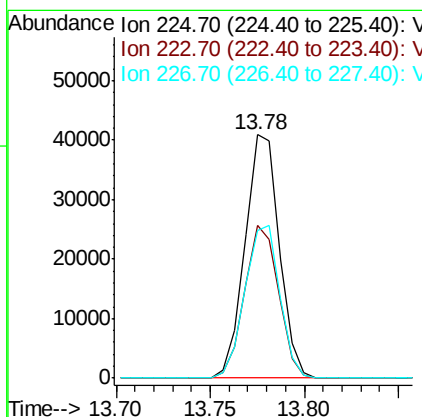
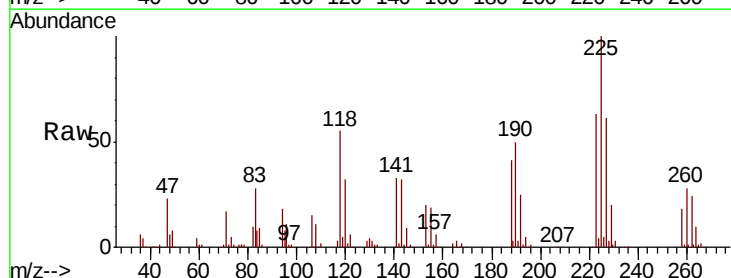
Manual Integrations
 APPROVED

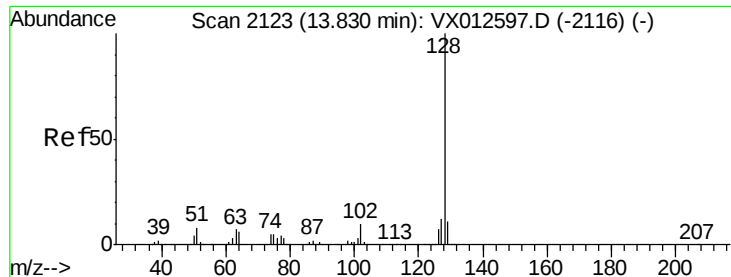
MMDadoda
 10/8/2019 2:07:34 PM



#94
 Hexachlorobutadiene
 Concen: 49.037 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012879.D
 Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51755		
223	62.2	32.0	96.2	
227	63.5	31.9	95.5	





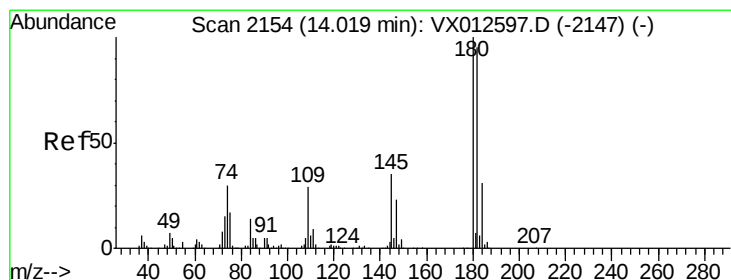
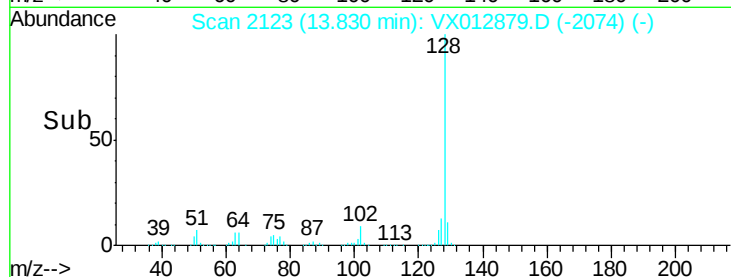
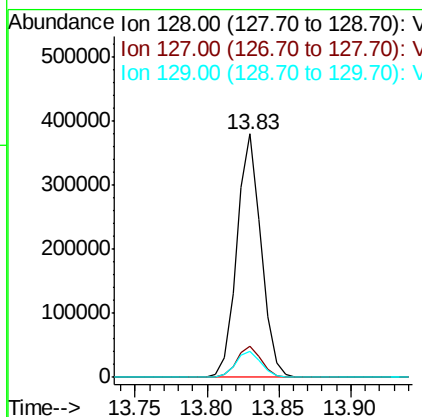
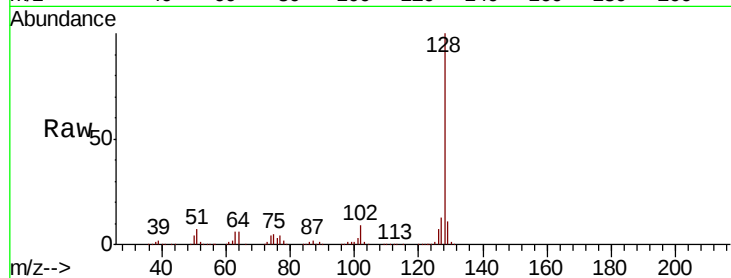
#95
Naphthalene
Concen: 50.133 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.899 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012879.D
Acq: 08 Oct 2019 08:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.1	141.3
145	34.9	18.0	54.0

