

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100919\
 Data File : VX012957.D
 Acq On : 09 Oct 2019 21:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 9:04:25 AM

Quant Time: Oct 10 06:57:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	110281	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	5.49	113	85468	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	8.71	98	329561	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.14	95	128328	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	89120	51.697	ug/l	98
3) Chloromethane	1.32	50	97898	52.181	ug/l	96
4) Vinyl Chloride	1.40	62	99398	51.330	ug/l	99
5) Bromomethane	1.63	94	37374	46.430	ug/l	99
6) Chloroethane	1.71	64	61037	51.590	ug/l	99
7) Trichlorofluoromethane	1.92	101	138113	52.843	ug/l	96
8) Diethyl Ether	2.18	74	54386	51.552	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	87734	51.867	ug/l	99
10) Methyl Iodide	2.50	142	92348	48.374	ug/l	99
11) Tert butyl alcohol	3.03	59	139067	248.180	ug/l	98
12) 1,1-Dichloroethene	2.36	96	88061	51.526	ug/l	97
13) Acrolein	2.28	56	93627	235.117	ug/l	97
14) Allyl chloride	2.72	41	156774	51.510	ug/l	100
15) Acrylonitrile	3.13	53	281960	265.524	ug/l	100
16) Acetone	2.44	43	245570	220.404	ug/l	97
17) Carbon Disulfide	2.56	76	234650	48.151	ug/l	99
18) Methyl Acetate	2.76	43	136395	51.647	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	315865	53.519	ug/l	99
20) Methylene Chloride	2.84	84	100786	49.220	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	93194	50.876	ug/l	99
22) Diisopropyl ether	3.84	45	312264	53.542	ug/l	95
23) Vinyl Acetate	3.80	43	1356442	269.420	ug/l	99
24) 1,1-Dichloroethane	3.69	63	173139	52.771	ug/l	99
25) 2-Butanone	4.66	43	387833	250.899	ug/l	100
26) 2,2-Dichloropropane	4.57	77	134519	48.756	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	109506	51.862	ug/l	99
28) Bromochloromethane	5.00	49	53682	54.791	ug/l	98
29) Tetrahydrofuran	5.12	42	249936	262.754	ug/l	99
30) Chloroform	5.20	83	174307	51.776	ug/l	98
31) Cyclohexane	5.57	56	156161	50.901	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	154378	54.120	ug/l	98
36) 1,1-Dichloropropene	5.79	75	131625	51.943	ug/l	99
37) Ethyl Acetate	4.82	43	146437	51.680	ug/l	99
38) Carbon Tetrachloride	5.78	117	129463	52.489	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100919\
 Data File : VX012957.D
 Acq On : 09 Oct 2019 21:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 9:04:25 AM

Quant Time: Oct 10 06:57:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	161523	52.561	ug/l	99
40) Benzene	6.14	78	396366	52.960	ug/l	99
41) Methacrylonitrile	5.03	41	82193	52.790	ug/l	99
42) 1,2-Dichloroethane	6.18	62	142169	52.938	ug/l	99
43) Isopropyl Acetate	6.43	43	240225	52.821	ug/l	100
44) Trichloroethene	7.20	130	101738	49.021	ug/l	93
45) 1,2-Dichloropropane	7.51	63	101318	53.116	ug/l	100
46) Dibromomethane	7.65	93	67436	53.062	ug/l	100
47) Bromodichloromethane	7.89	83	135250	54.533	ug/l	98
48) Methyl methacrylate	7.76	41	118435	53.440	ug/l	99
49) 1,4-Dioxane	7.73	88	59037	992.910	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	752107	265.246	ug/l	99
52) Toluene	8.78	92	252068	52.645	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	144832	46.933	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	161843	53.057	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	100456	53.015	ug/l	98
56) Ethyl methacrylate	9.17	69	164987	48.675	ug/l	99
57) 1,3-Dichloropropane	9.37	76	173398	52.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	368606	264.802	ug/l	99
59) 2-Hexanone	9.48	43	581275	263.347	ug/l	100
60) Dibromochloromethane	9.58	129	101468	48.190	ug/l	99
61) 1,2-Dibromoethane	9.67	107	104817	52.585	ug/l	99
64) Tetrachloroethene	9.33	164	94294	51.996	ug/l	96
65) Chlorobenzene	10.14	112	261101	50.287	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	94767	52.641	ug/l	99
67) Ethyl Benzene	10.25	91	478951	51.931	ug/l	99
68) m/p-Xylenes	10.35	106	363170	105.405	ug/l	99
69) o-Xylene	10.70	106	174609	51.968	ug/l	98
70) Styrene	10.71	104	303021	53.051	ug/l	99
71) Bromoform	10.85	173	68539	45.024	ug/l #	99
73) Isopropylbenzene	11.01	105	468654	53.240	ug/l	100
74) N-amyl acetate	10.89	43	207187	54.651	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	154680	52.832	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144419m	54.384	ug/l	
77) Bromobenzene	11.25	156	107964	52.048	ug/l	97
78) n-propylbenzene	11.35	91	518910	53.572	ug/l	99
79) 2-Chlorotoluene	11.42	91	323450	53.134	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	405343	55.147	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	47950	46.723	ug/l	98
82) 4-Chlorotoluene	11.51	91	374483	53.671	ug/l	99
83) tert-Butylbenzene	11.76	119	380403	53.054	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	402928	54.127	ug/l	99
85) sec-Butylbenzene	11.94	105	452464	54.469	ug/l	99
86) p-Isopropyltoluene	12.06	119	411896	53.464	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	197832	51.358	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	199338	51.097	ug/l	99
89) n-Butylbenzene	12.39	91	349233	53.936	ug/l	99
90) Hexachloroethane	12.59	117	69746	48.927	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	196558	52.050	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	36691	53.468	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100919\
Data File : VX012957.D
Acq On : 09 Oct 2019 21:11
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

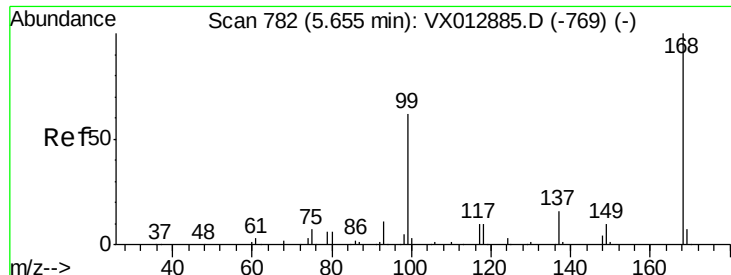
Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM

Quant Time: Oct 10 06:57:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	125790	53.175	ug/l	100
94) Hexachlorobutadiene	13.78	225	55743	51.059	ug/l	99
95) Naphthalene	13.83	128	443047	54.028	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	126537	51.762	ug/l	99

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



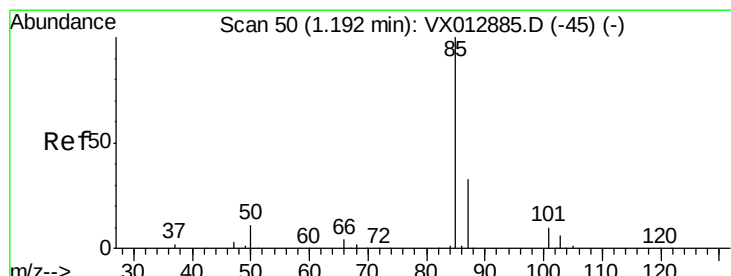
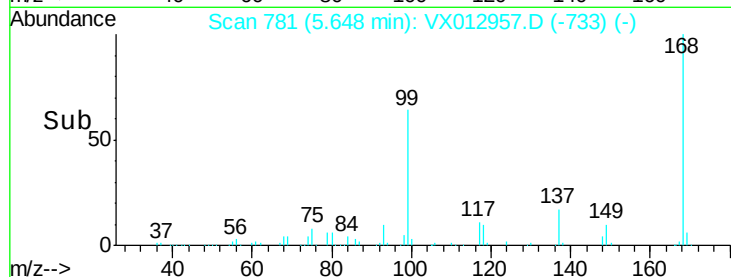
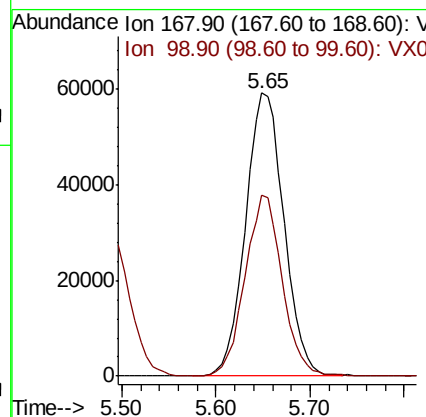
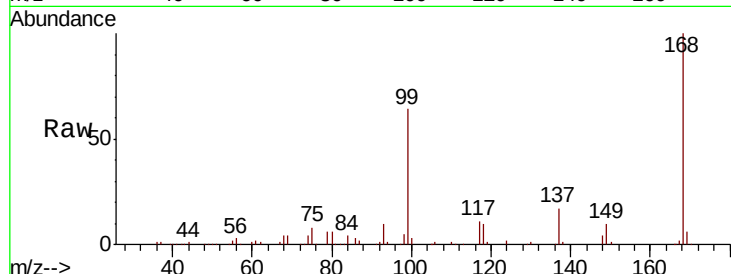
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	63.9	49.4	74.0	

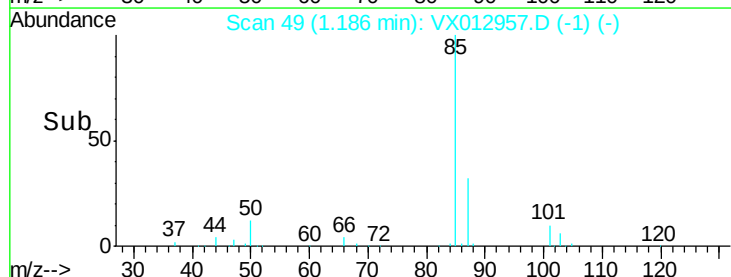
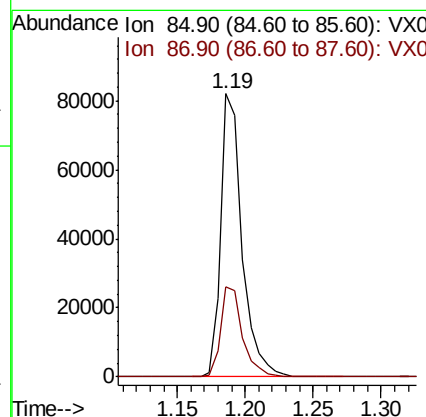
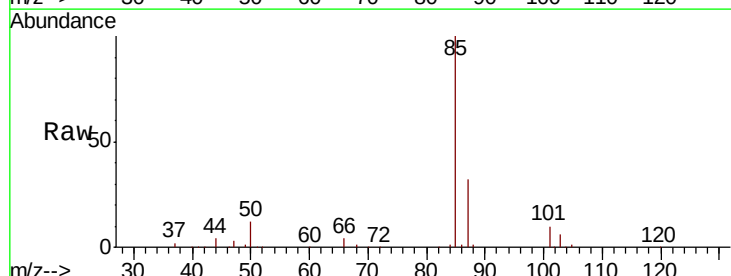
Manual Integrations
APPROVED

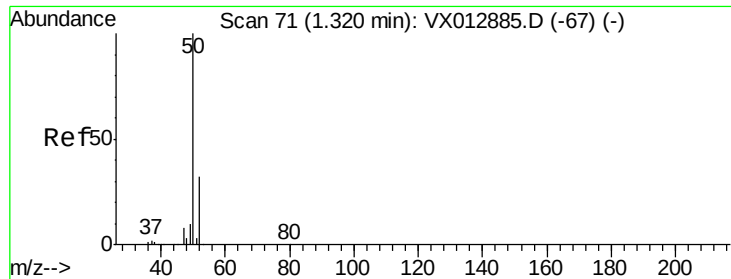
MMDadoda
10/10/2019 9:04:25 AM



#2
Dichlorodifluoromethane
Concen: 51.697 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	31.7	16.4	49.4	





#3

Chloromethane

Concen: 52.181 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97898

Ion Ratio Lower Upper

50 100

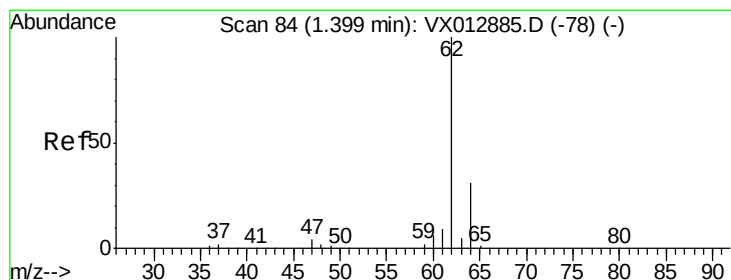
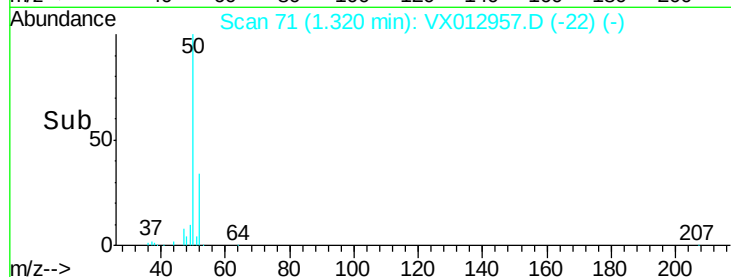
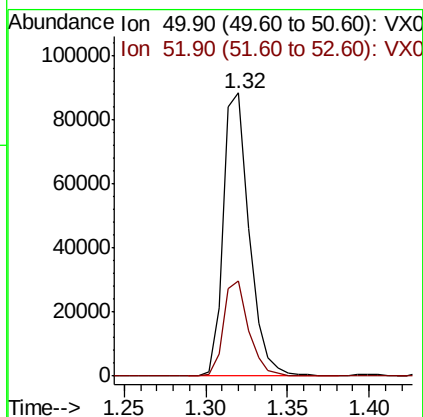
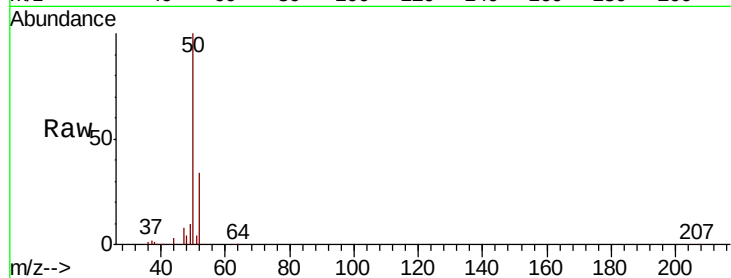
52 33.6 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/10/2019 9:04:25 AM



#4

Vinyl Chloride

Concen: 51.330 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012957.D

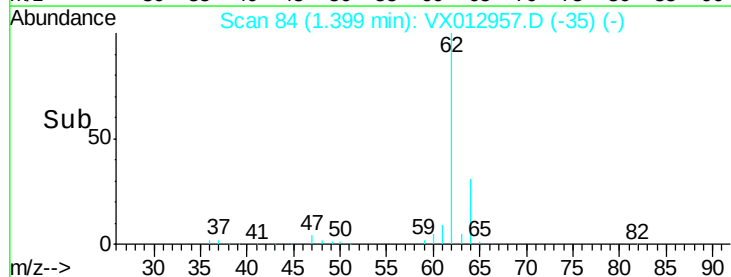
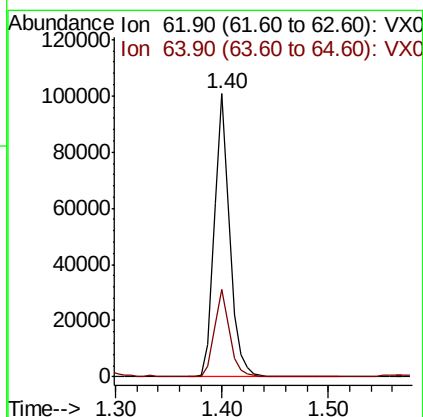
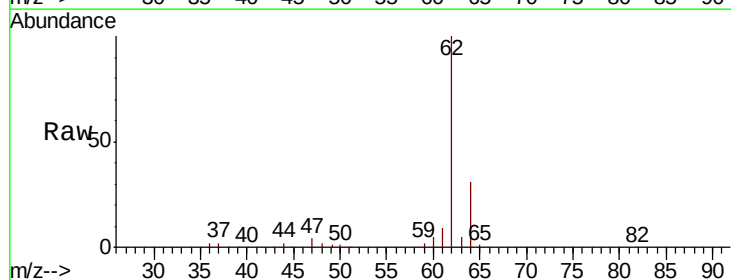
Acq: 09 Oct 2019 21:11

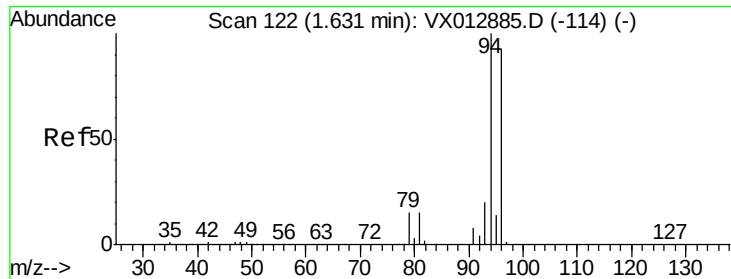
Tgt Ion: 62 Resp: 99398

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 46.430 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 37374

Ion Ratio Lower Upper

94 100

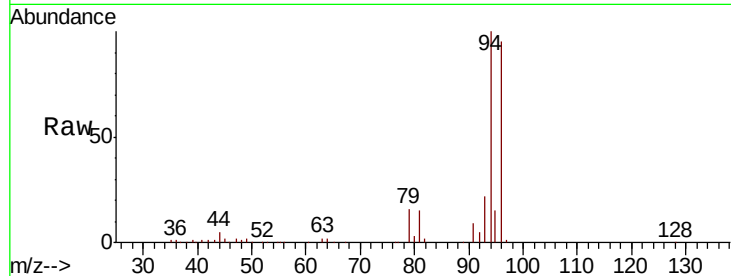
96 94.7 74.7 112.1

Manual Integrations

APPROVED

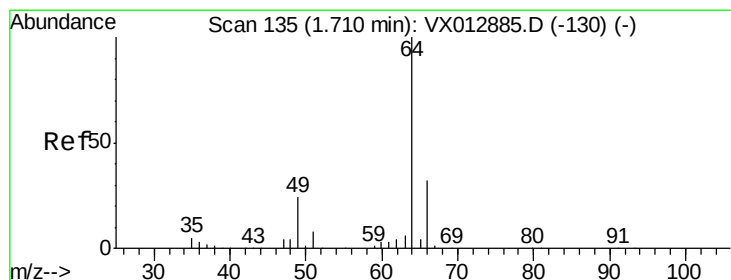
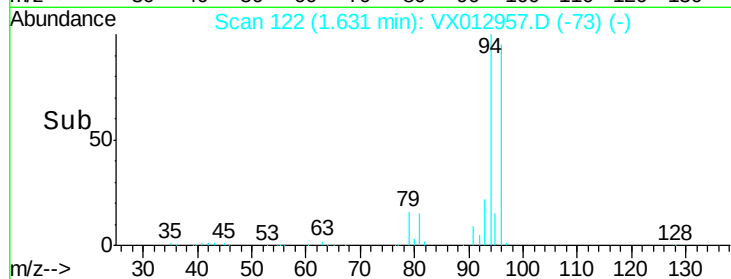
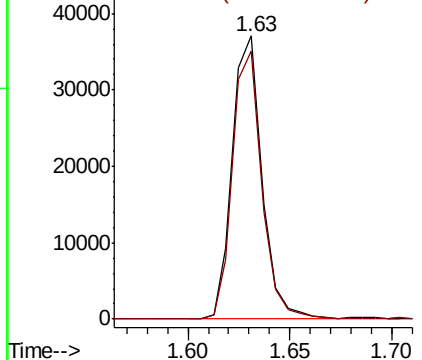
MMDadoda

10/10/2019 9:04:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.590 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012957.D

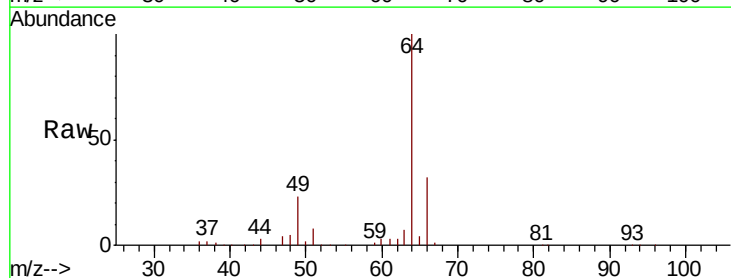
Acq: 09 Oct 2019 21:11

Tgt Ion: 64 Resp: 61037

Ion Ratio Lower Upper

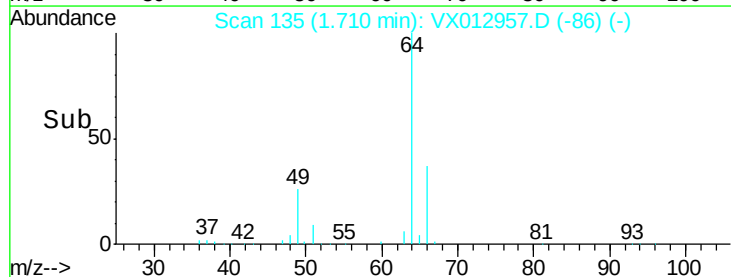
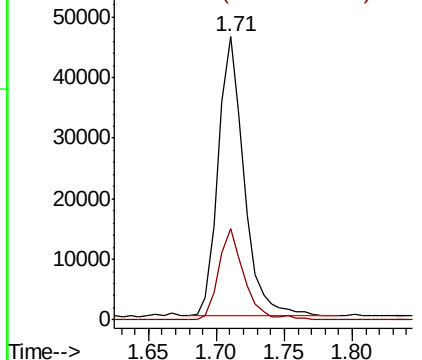
64 100

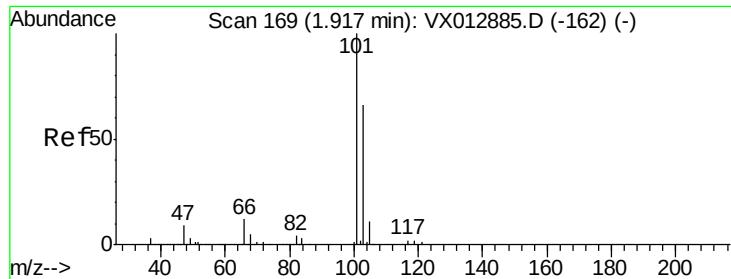
66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

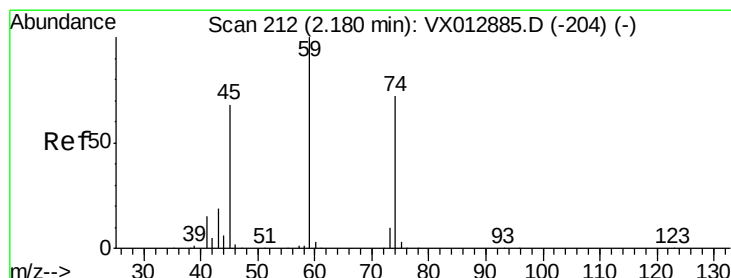
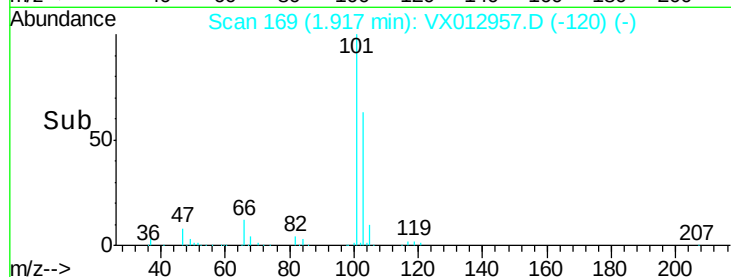
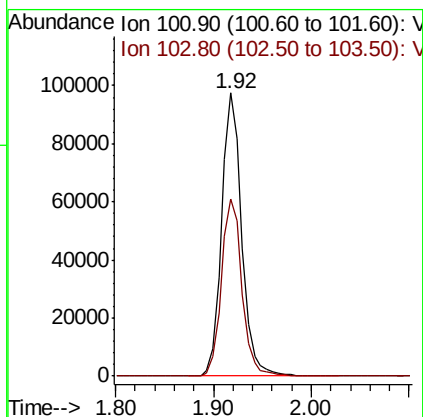
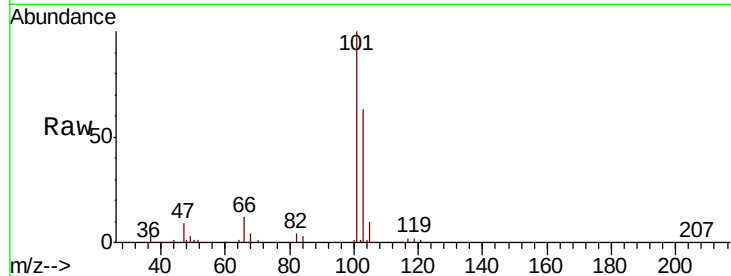
Trichlorofluoromethane
Concen: 52.843 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		138113		
103	62.6	52.5	78.7		

Manual Integrations
APPROVED

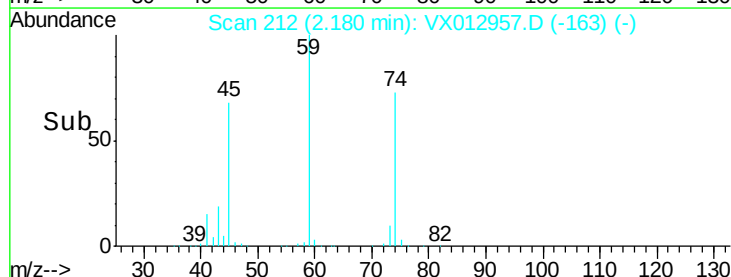
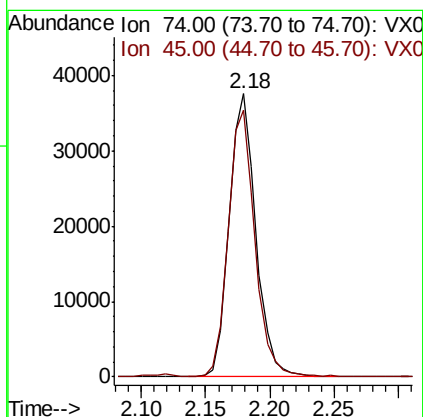
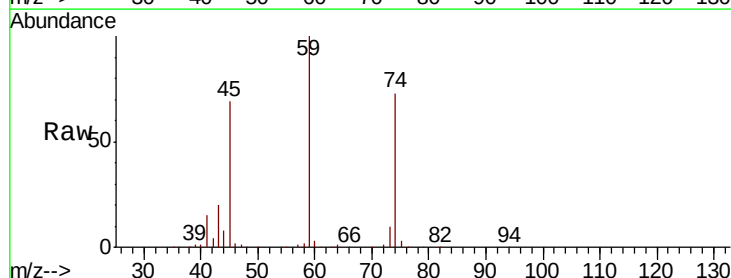
MMDadoda
10/10/2019 9:04:25 AM

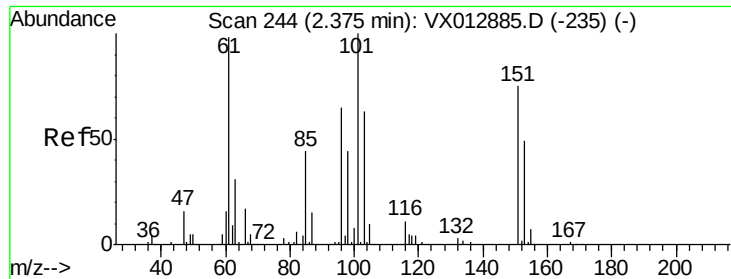


#8

Diethyl Ether
Concen: 51.552 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54386		
45	95.1	47.8	143.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.867 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

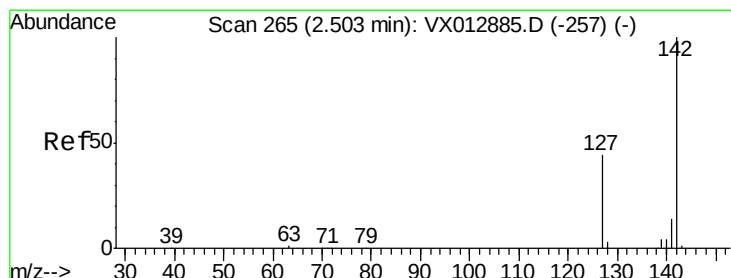
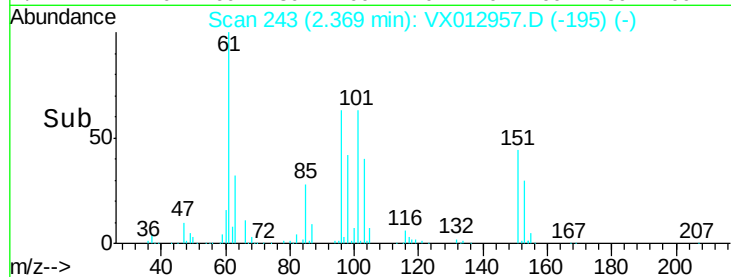
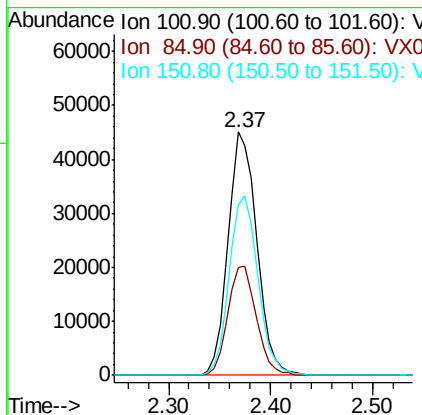
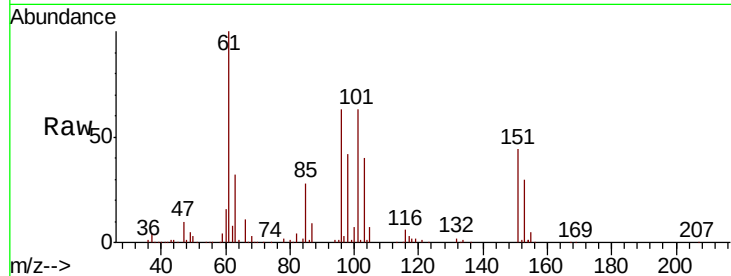
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	87734
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	73.8	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM



#10

Methyl Iodide

Concen: 48.374 ug/l

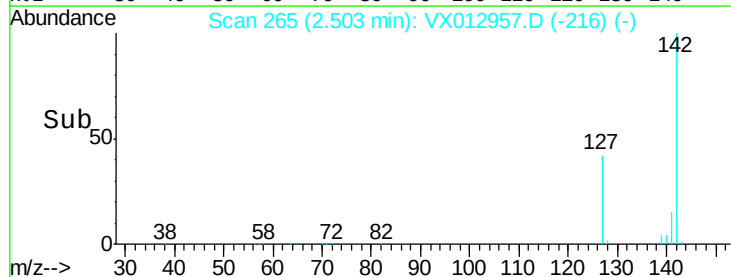
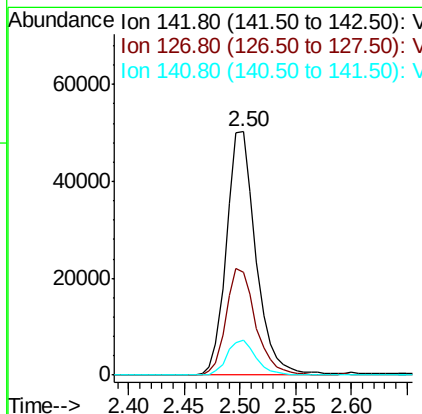
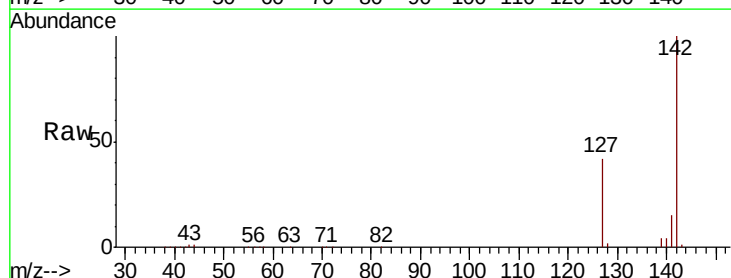
RT: 2.50 min Scan# 265

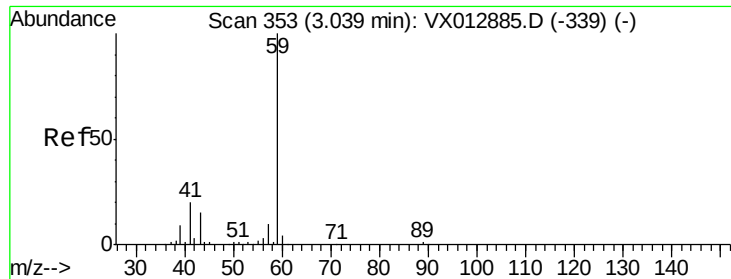
Delta R.T. 0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion:	142	Resp:	92348
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.9	52.3
141	14.2	11.6	17.4





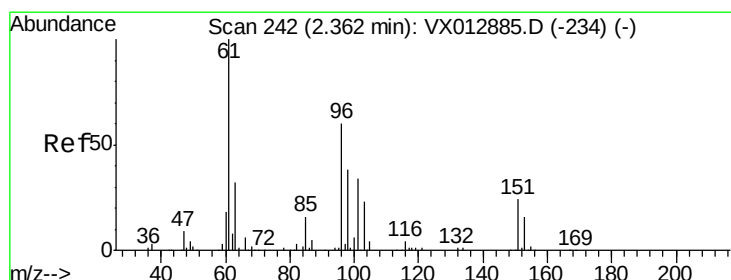
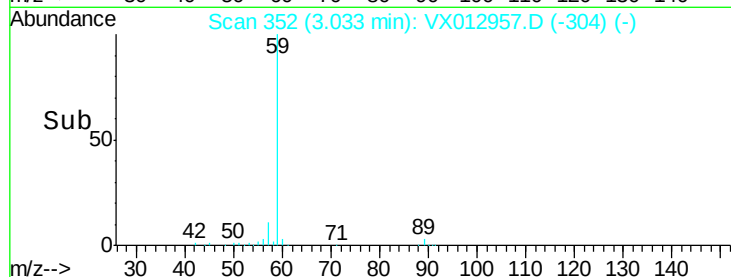
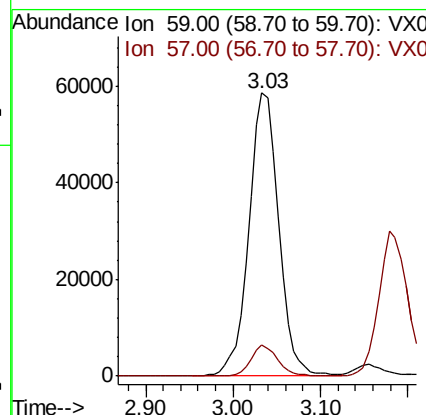
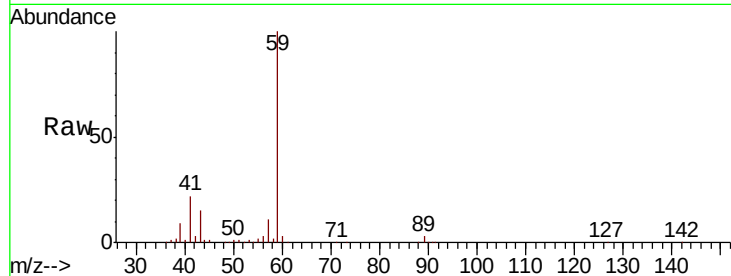
#11
Tert butyl alcohol
Concen: 248.180 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

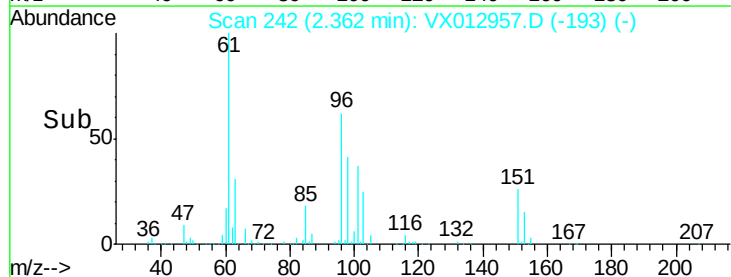
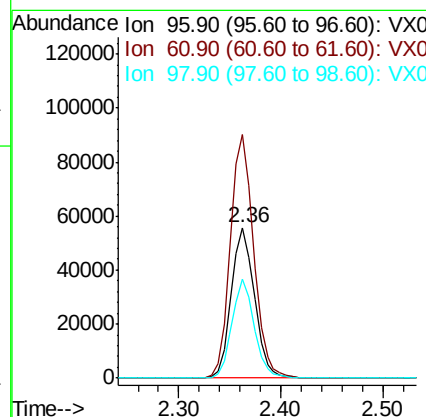
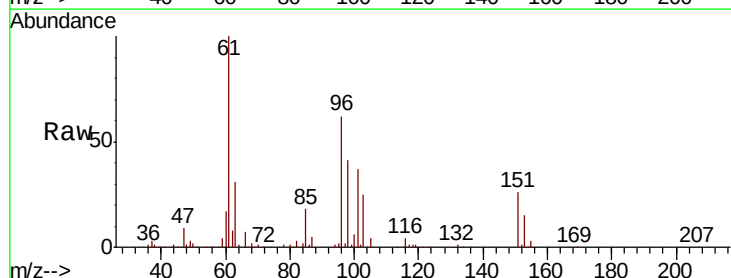
Manual Integrations
APPROVED

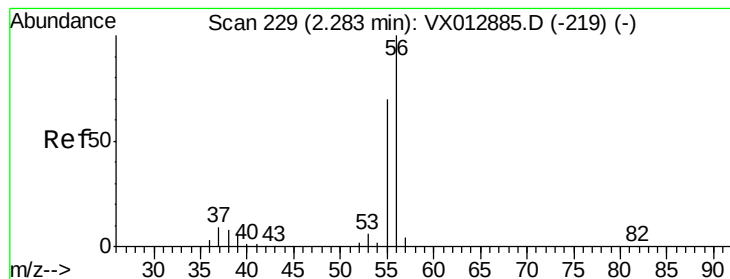
MMDadoda
10/10/2019 9:04:25 AM



#12
1,1-Dichloroethene
Concen: 51.526 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	132.2	198.4
98	65.5	50.5	75.7





#13

Acrolein

Concen: 235.117 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93627

Ion Ratio Lower Upper

56 100

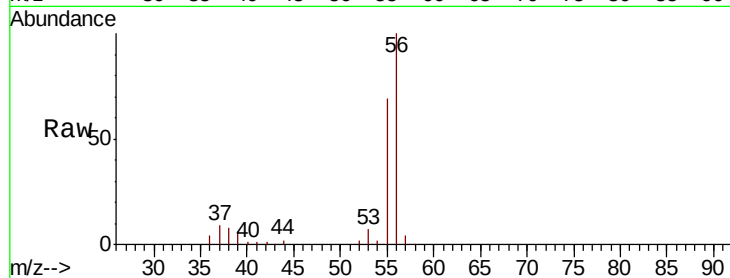
55 68.5 56.6 85.0

Manual Integrations

APPROVED

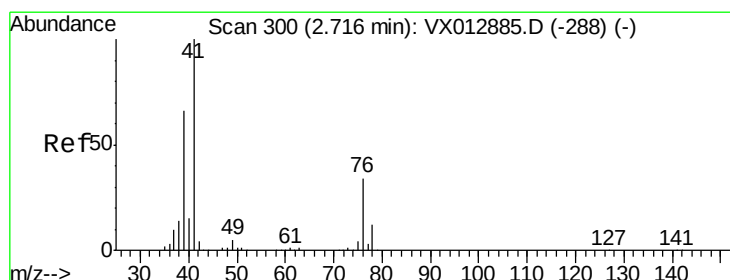
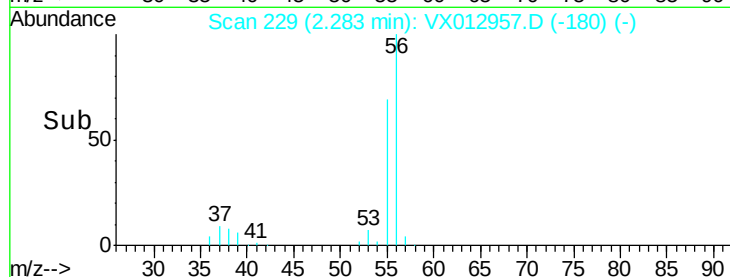
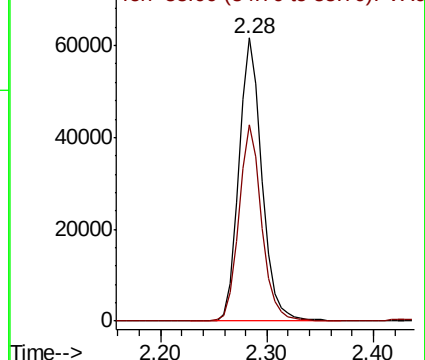
MMDadoda

10/10/2019 9:04:25 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.510 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

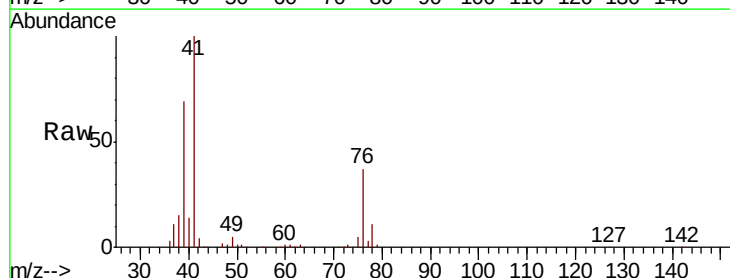
Tgt Ion: 41 Resp: 156774

Ion Ratio Lower Upper

41 100

39 63.8 51.0 76.6

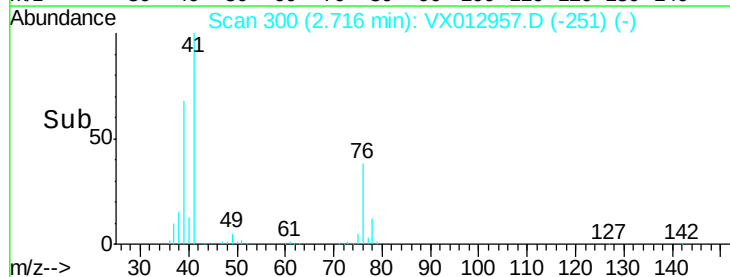
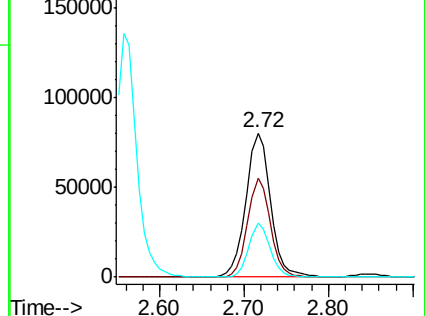
76 32.7 26.2 39.4

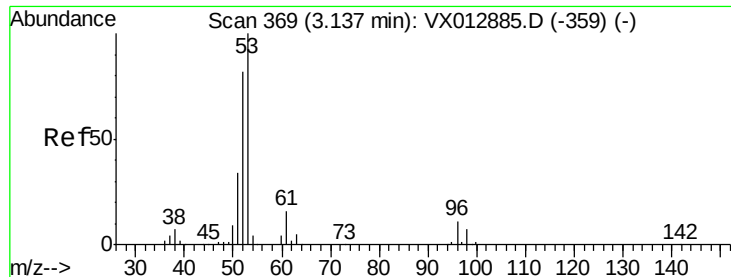


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 265.524 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

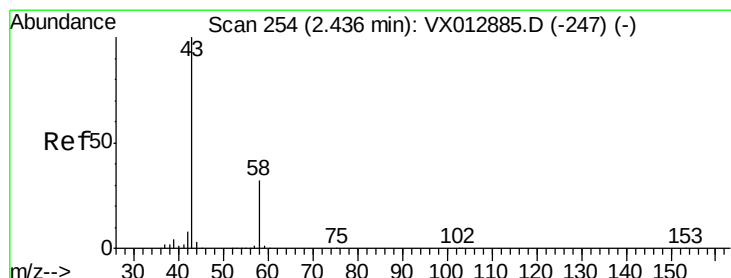
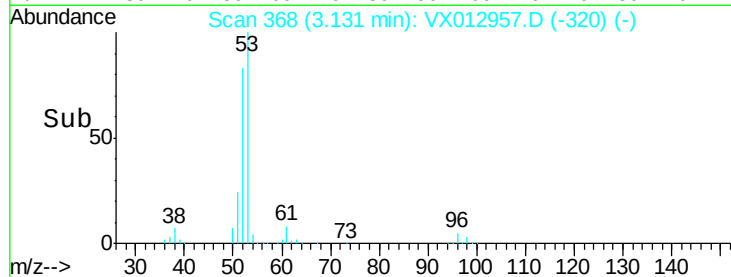
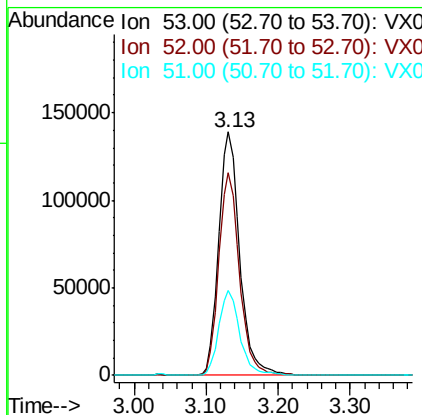
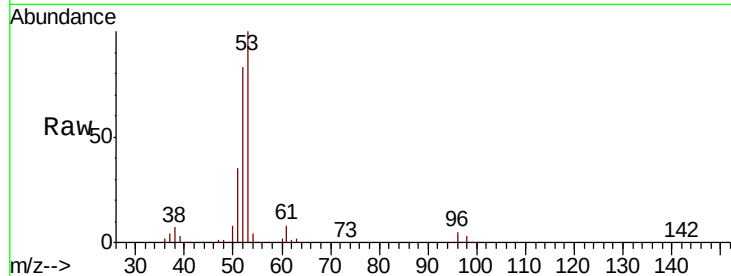
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	281960
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	35.4	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM



#16

Acetone

Concen: 220.404 ug/l

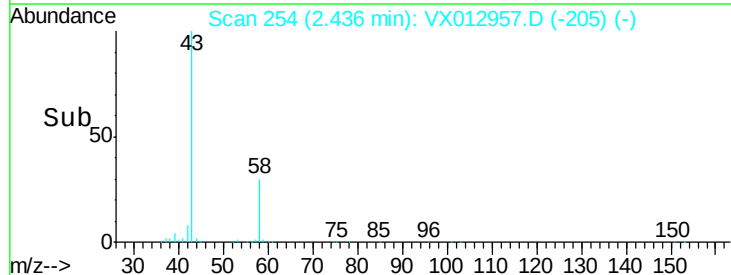
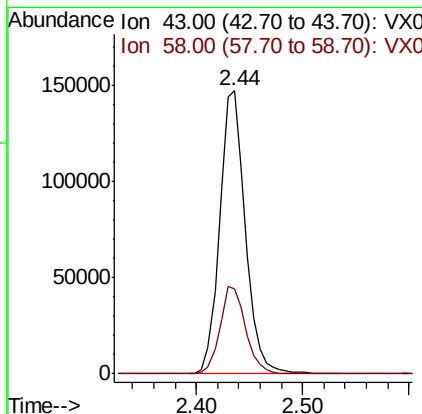
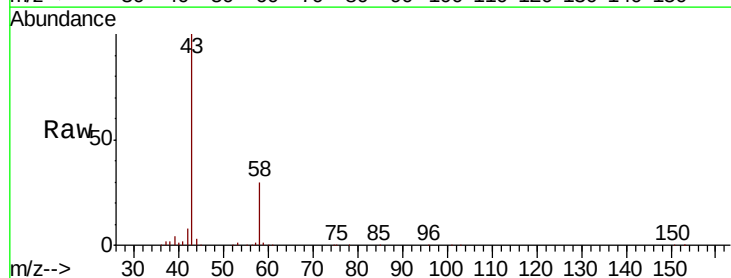
RT: 2.44 min Scan# 254

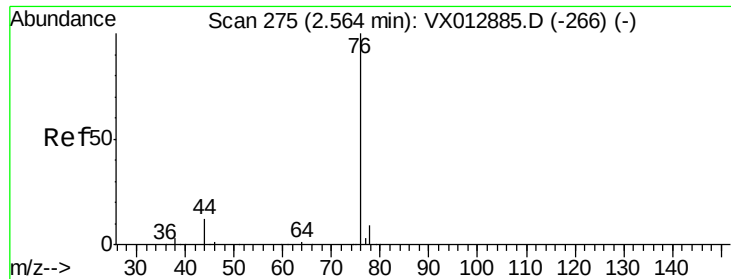
Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion:	43	Resp:	245570
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.4	38.2





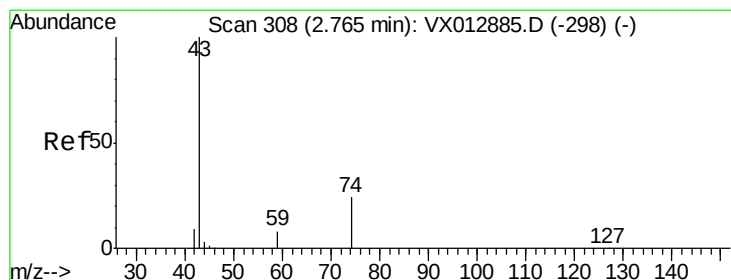
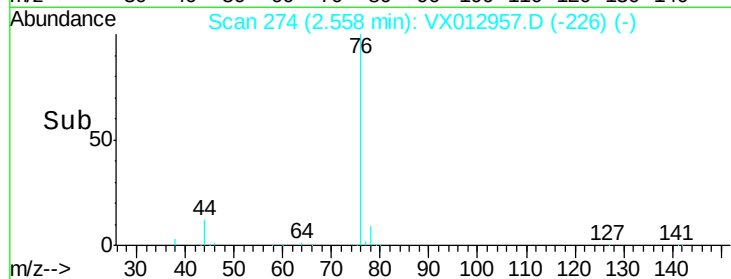
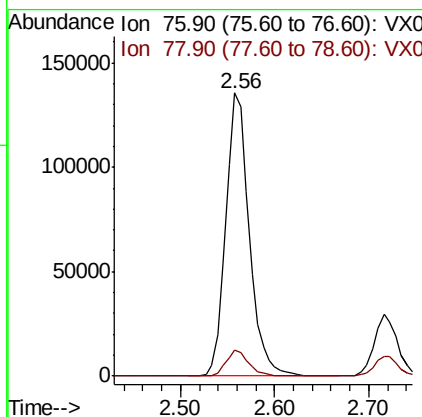
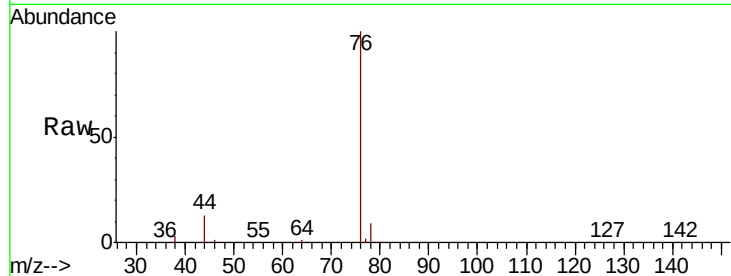
#17
Carbon Disulfide
Concen: 48.151 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

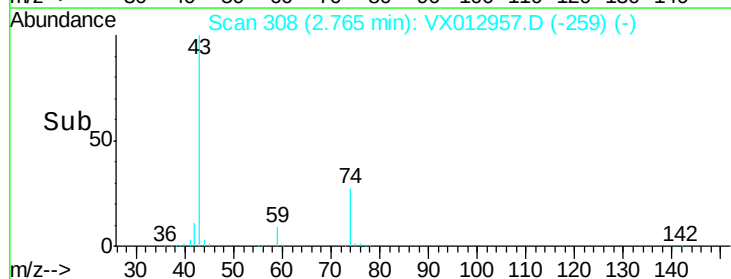
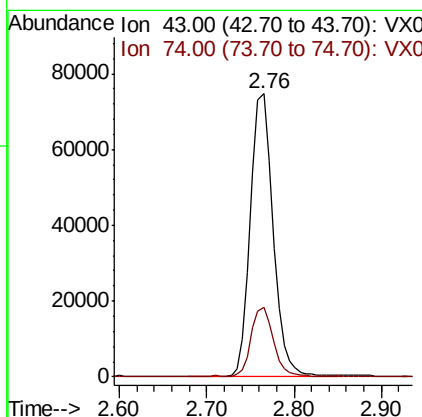
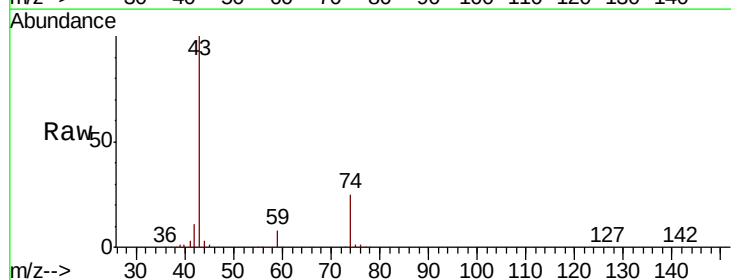
Manual Integrations
APPROVED

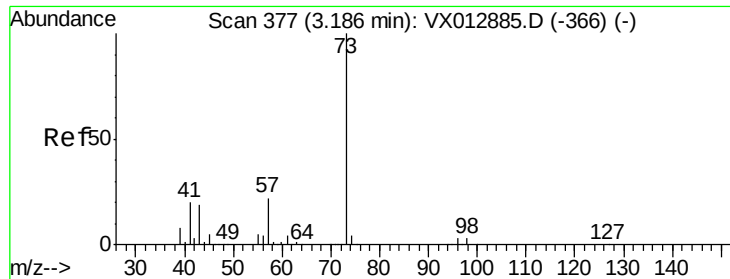
MMDadoda
10/10/2019 9:04:25 AM



#18
Methyl Acetate
Concen: 51.647 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





#19

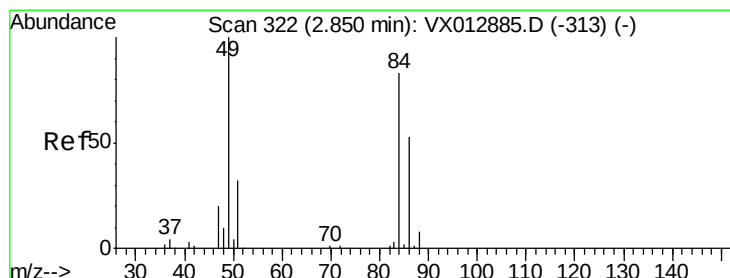
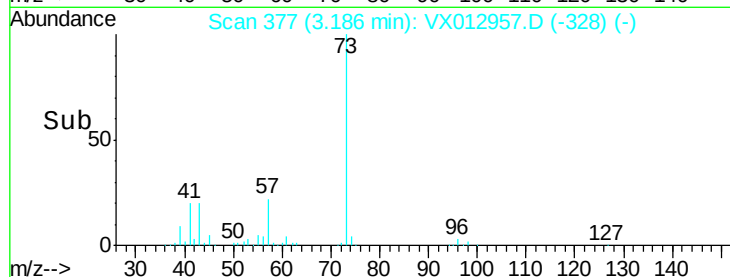
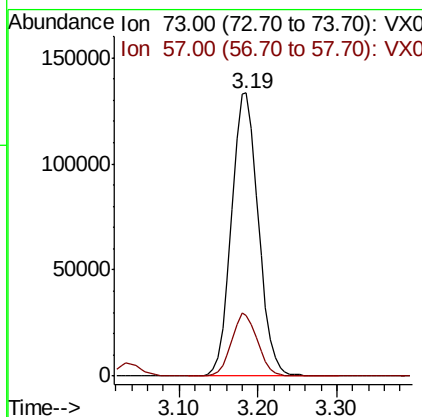
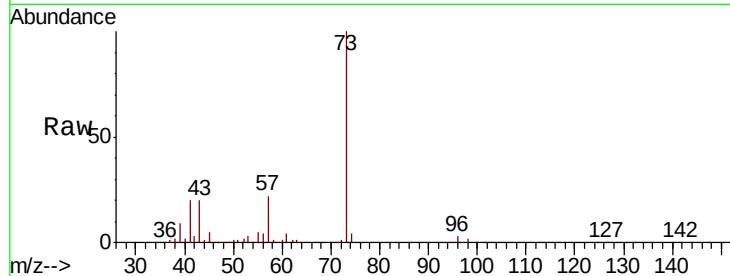
Methyl tert-butyl Ether
 Concen: 53.519 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.8	26.6

Manual Integrations
 APPROVED

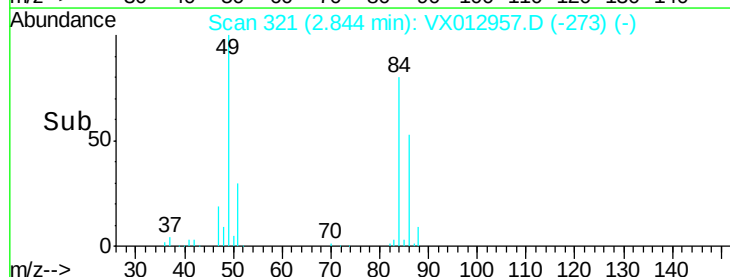
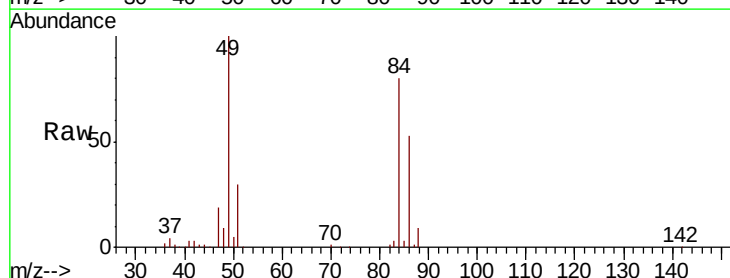
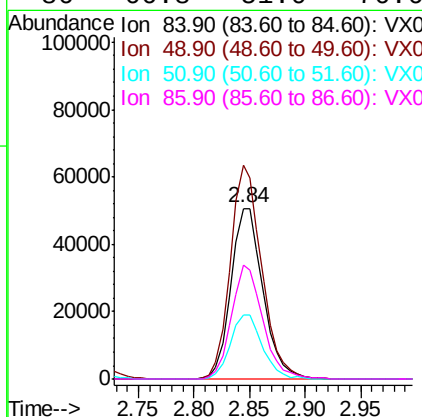
MMDadoda
 10/10/2019 9:04:25 AM

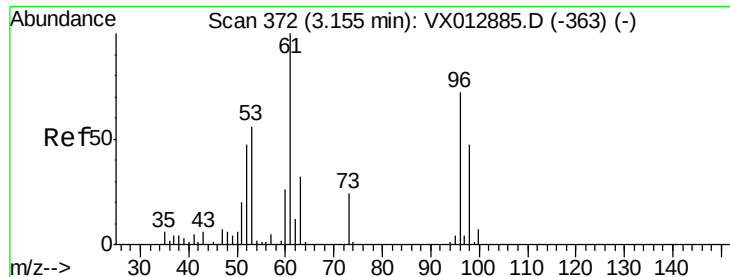


#20

Methylene Chloride
 Concen: 49.220 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	96.6	144.8
51	37.7	30.7	46.1
86	66.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 50.876 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 93194

Ion Ratio Lower Upper

96 100

61 139.1 110.4 165.6

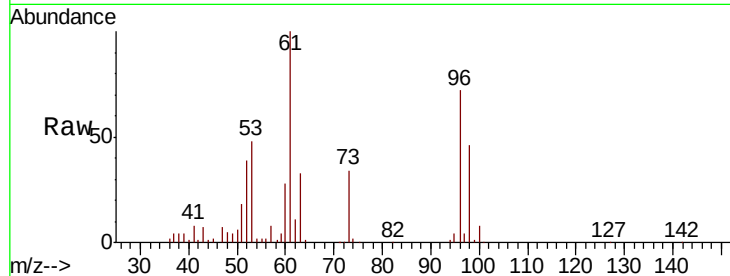
98 63.9 51.5 77.3

Manual Integrations

APPROVED

MMDadoda

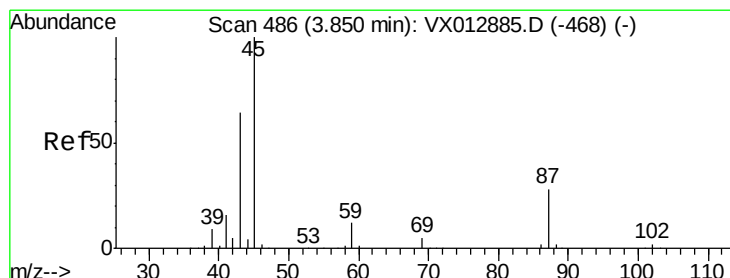
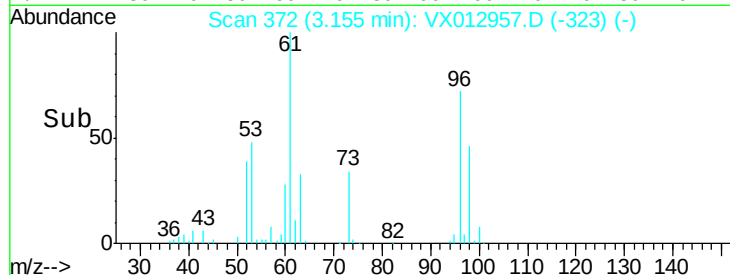
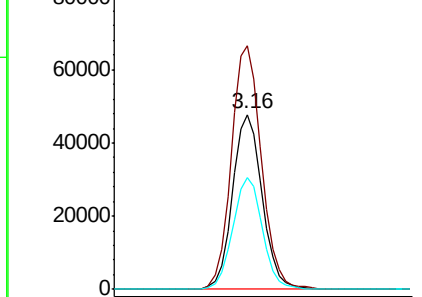
10/10/2019 9:04:25 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.542 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion: 45 Resp: 312264

Ion Ratio Lower Upper

45 100

43 70.5 51.4 77.0

87 28.2 22.5 33.7

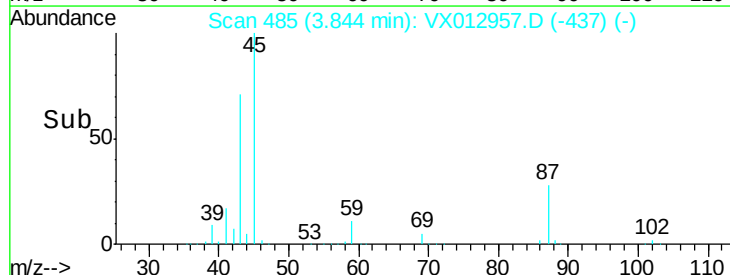
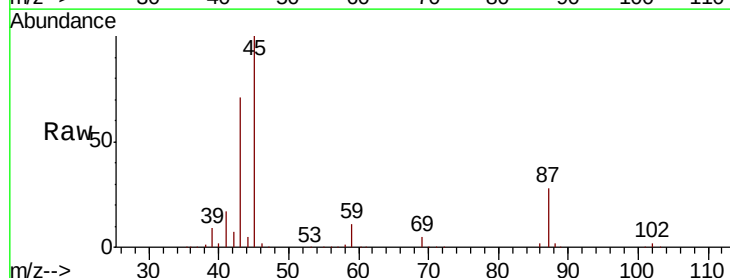
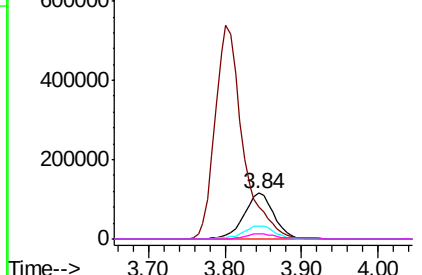
59 11.0 9.7 14.5

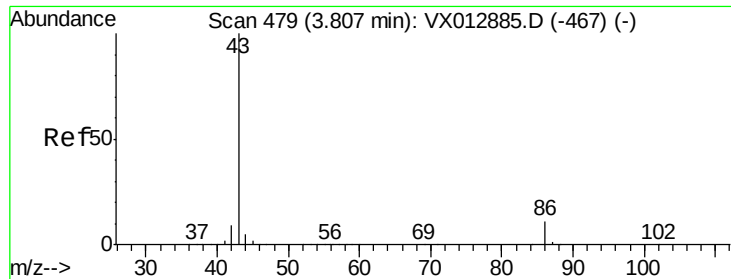
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 269.420 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1356442

Ion Ratio Lower Upper

43 100

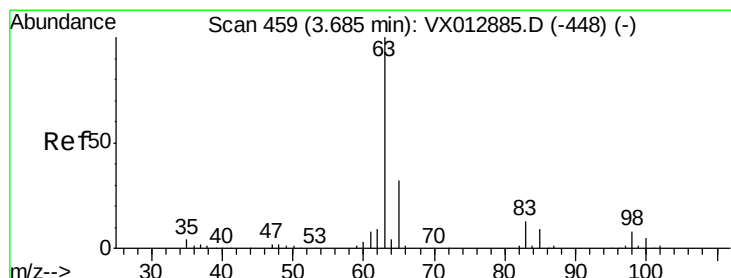
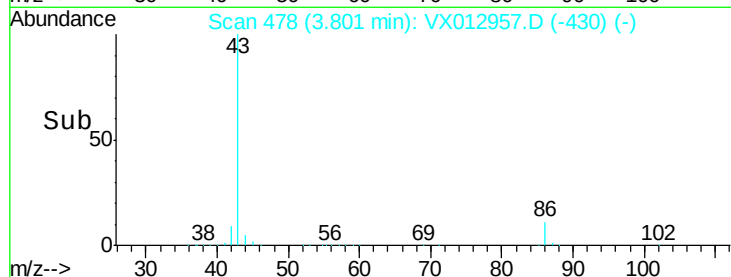
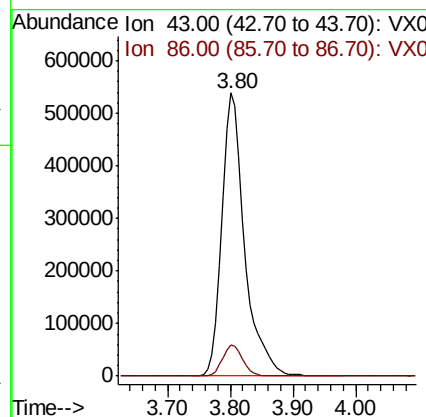
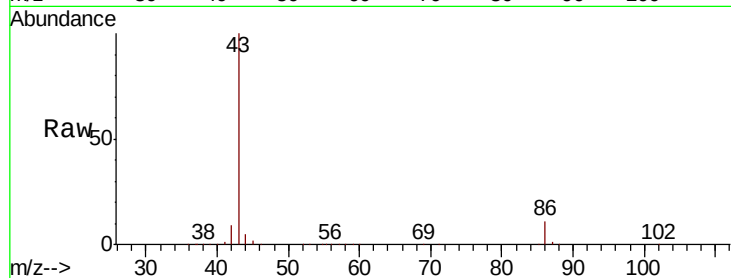
86 11.0 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/10/2019 9:04:25 AM



#24

1,1-Dichloroethane

Concen: 52.771 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

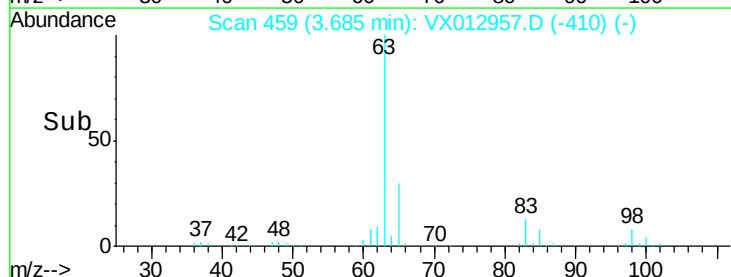
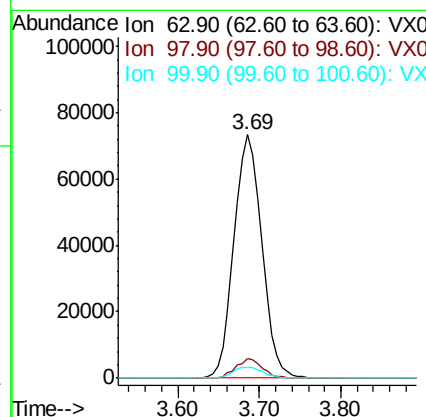
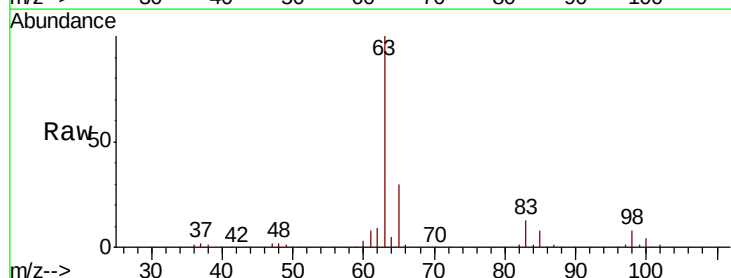
Tgt Ion: 63 Resp: 173139

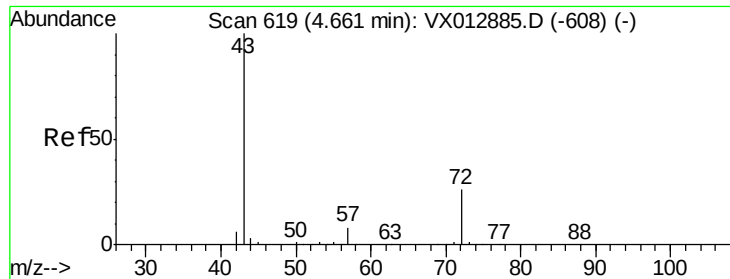
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 250.899 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 387833

Ion Ratio Lower Upper

43 100

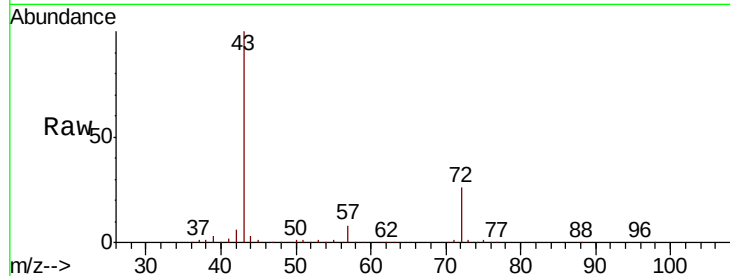
72 26.2 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

10/10/2019 9:04:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

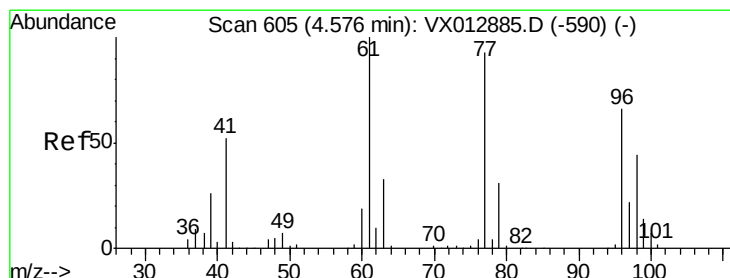
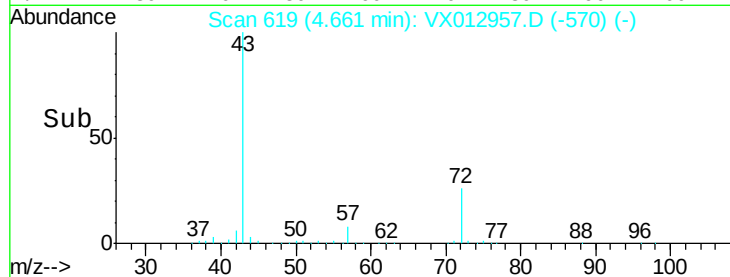
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.756 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012957.D

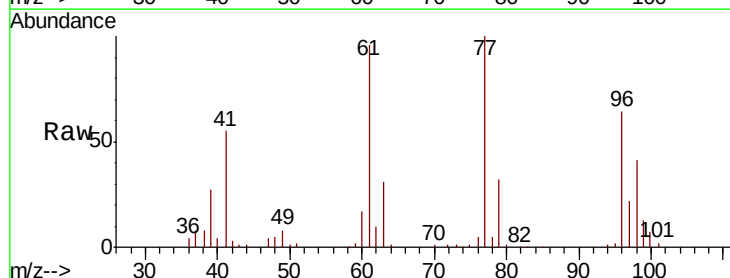
Acq: 09 Oct 2019 21:11

Tgt Ion: 77 Resp: 134519

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

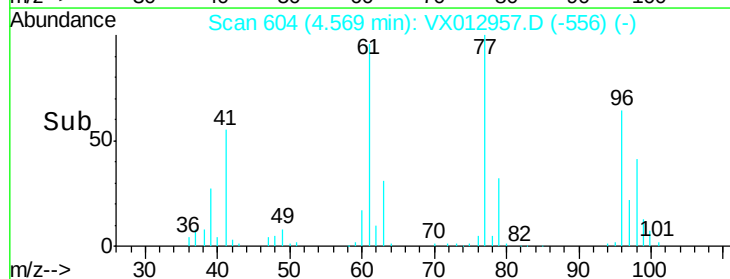
20000

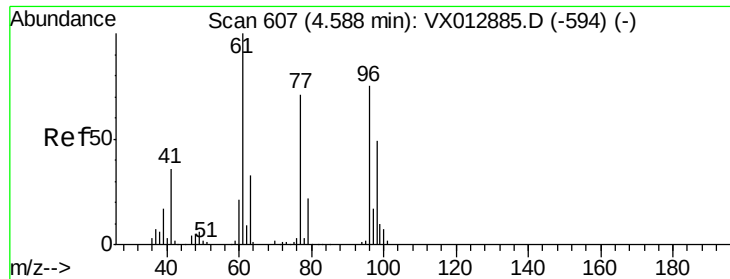
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

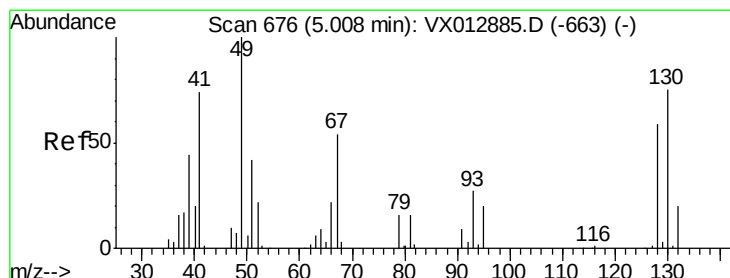
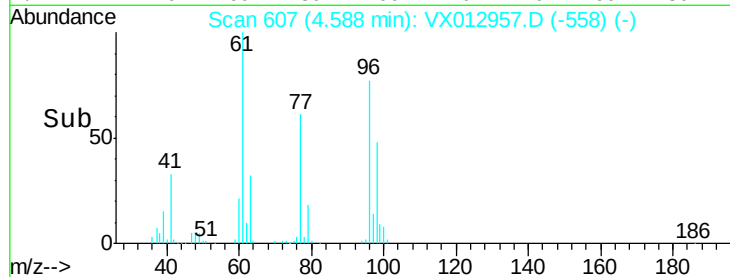
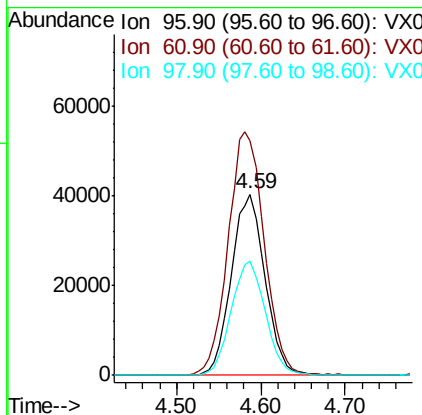
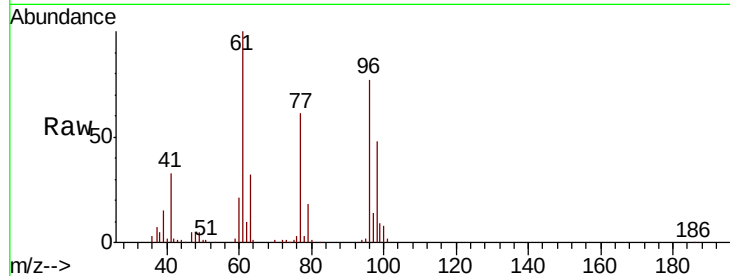
cis-1,2-Dichloroethene
Concen: 51.862 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.6	0.0	290.6	
98	63.8	0.0	128.8	

Manual Integrations
APPROVED

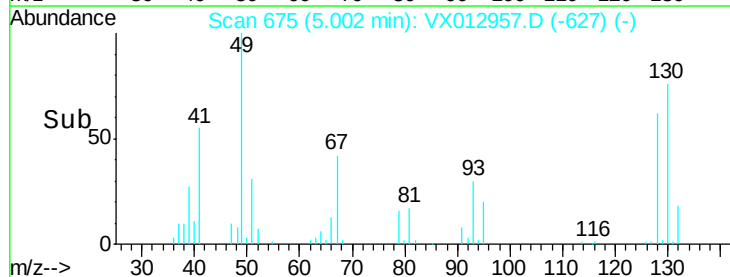
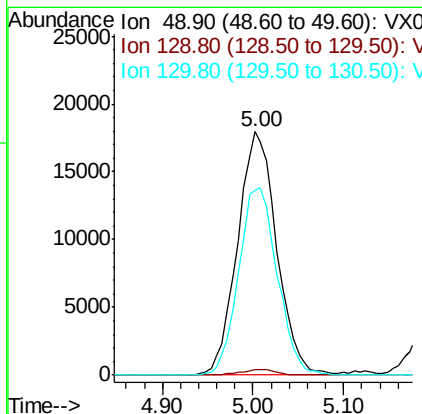
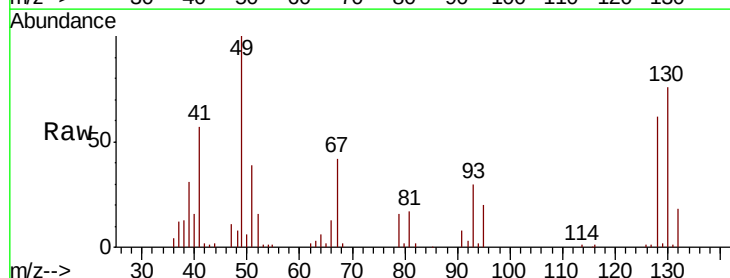
MMDadoda
10/10/2019 9:04:25 AM

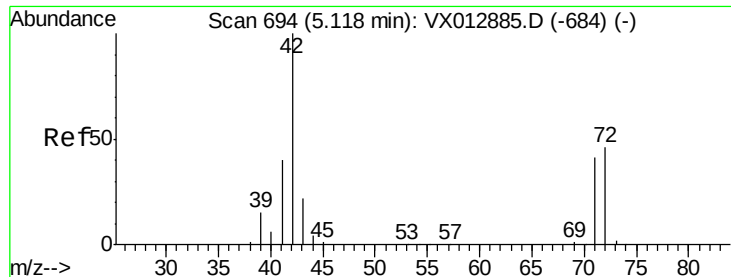


#28

Bromochloromethane
Concen: 54.791 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.2	
130	75.8	62.1	93.1	





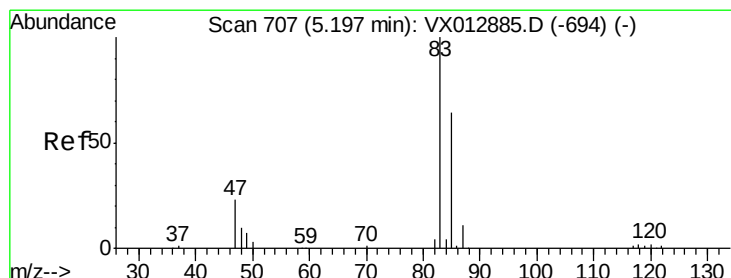
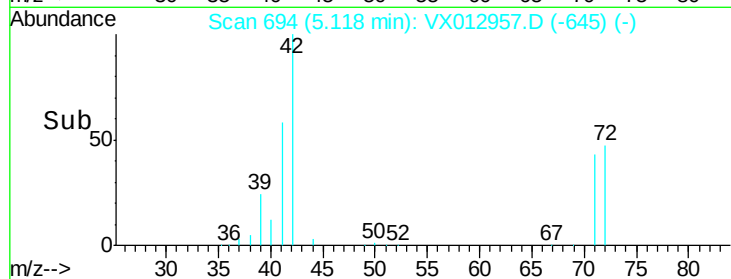
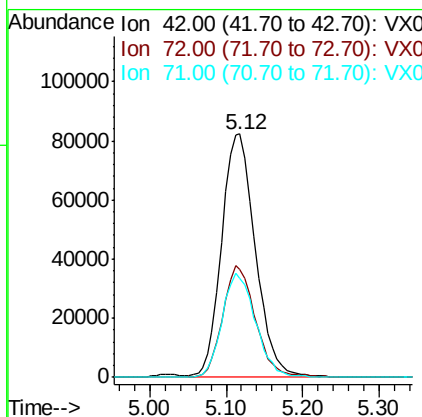
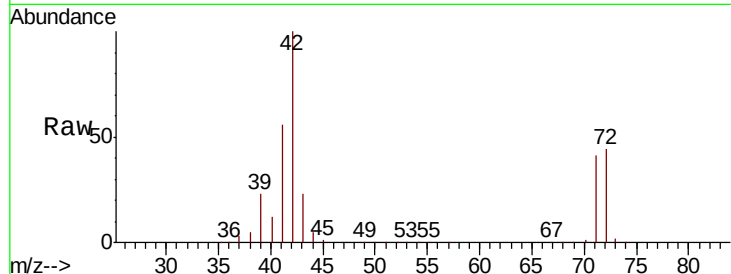
#29
Tetrahydrofuran
Concen: 262.754 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.9	55.3
71	42.5	33.5	50.3

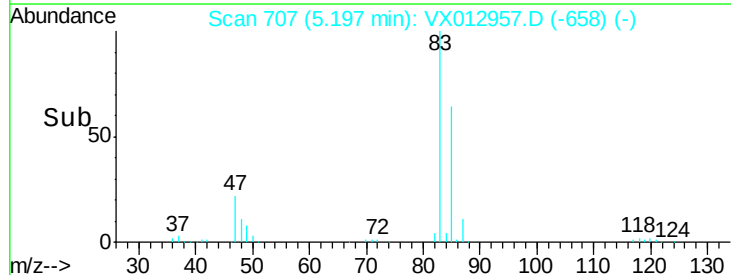
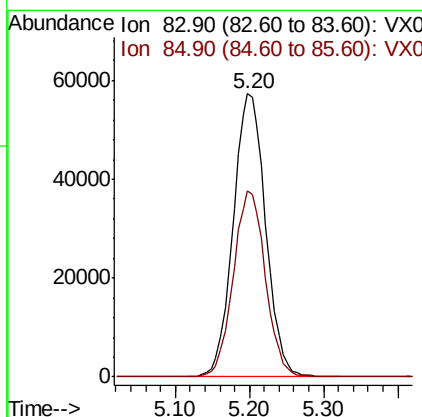
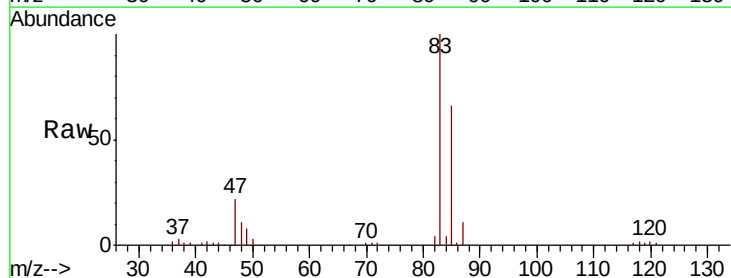
Manual Integrations
APPROVED

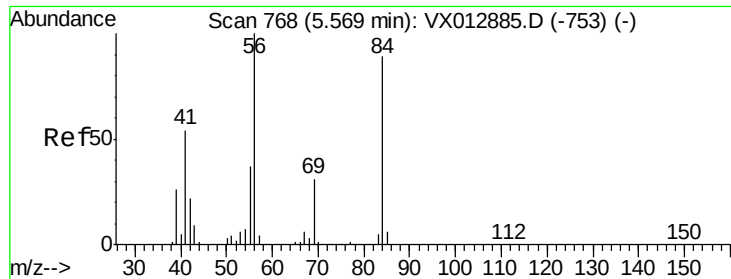
MMDadoda
10/10/2019 9:04:25 AM



#30
Chloroform
Concen: 51.776 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





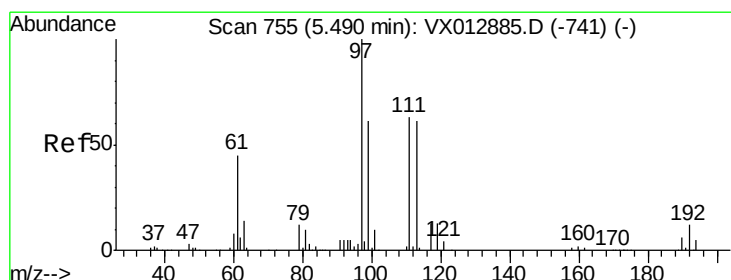
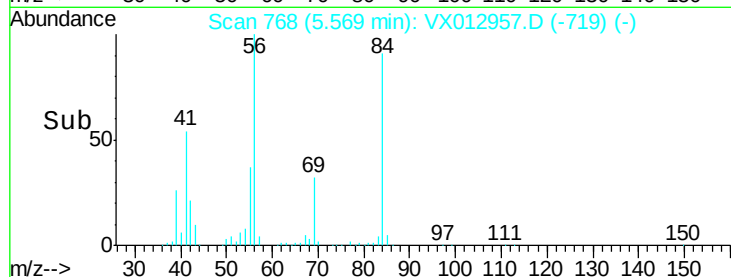
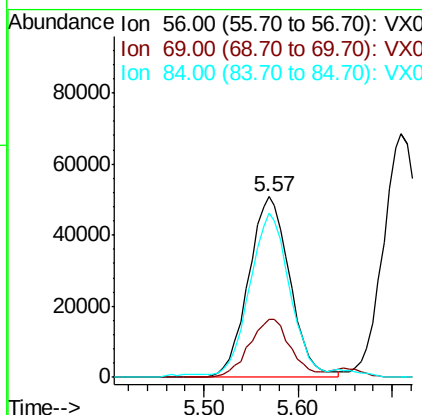
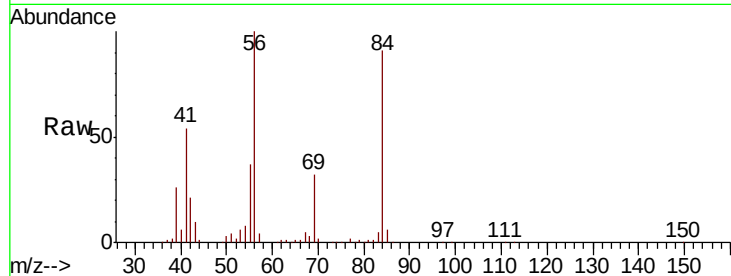
#31
Cyclohexane
Concen: 50.901 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.2	37.8
84	89.3	71.3	106.9

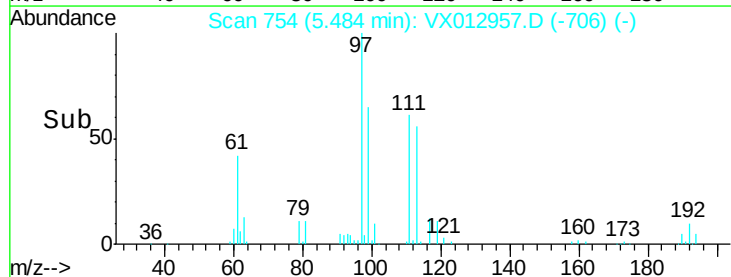
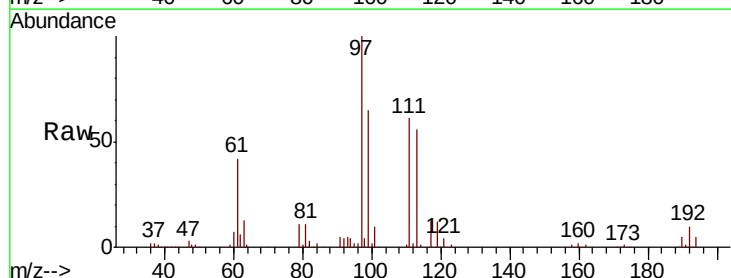
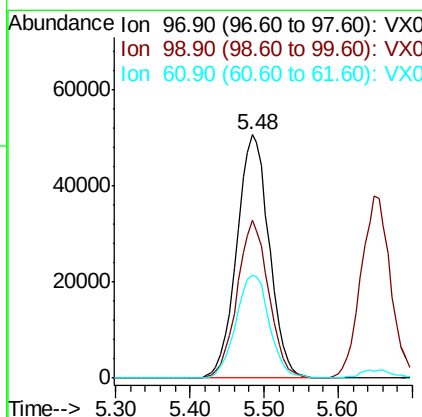
Manual Integrations
APPROVED

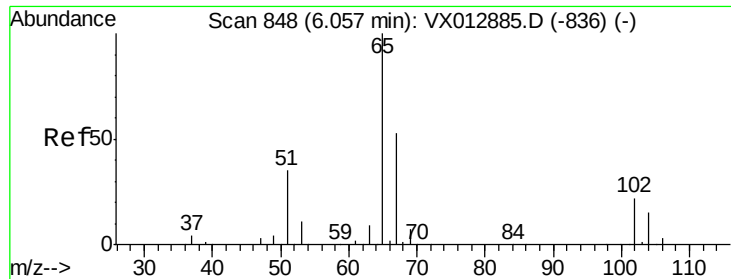
MMDadoda
10/10/2019 9:04:25 AM



#32
1,1,1-Trichloroethane
Concen: 54.120 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.3	78.5
61	43.7	35.0	52.4





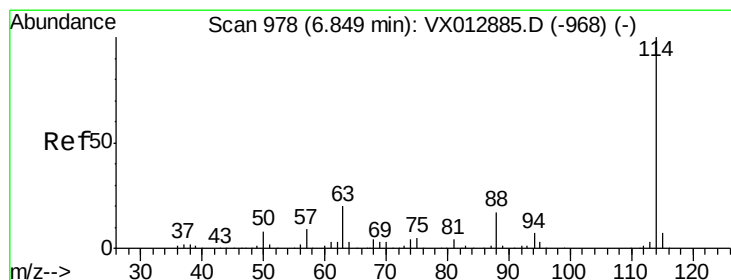
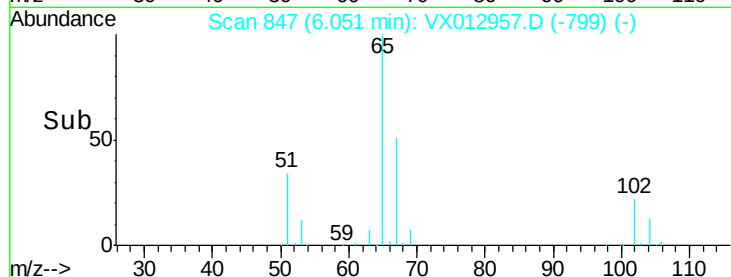
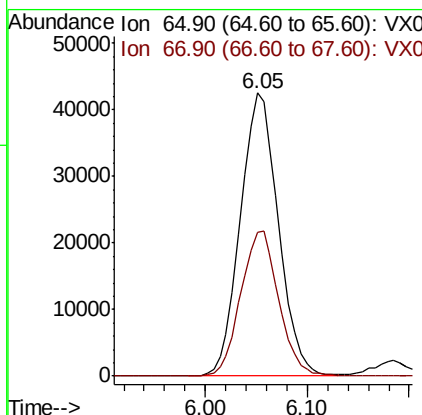
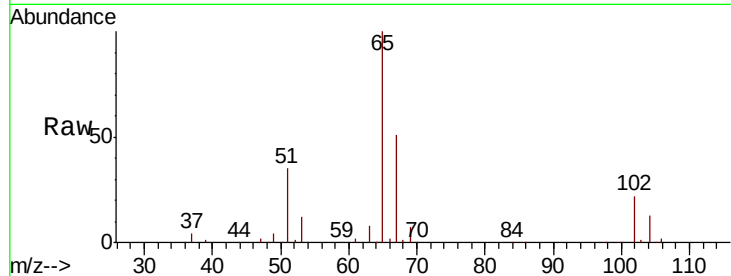
#33
 1,2-Dichloroethane-d4
 Concen: 52.172 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110281		
67	51.1	0.0	104.4	

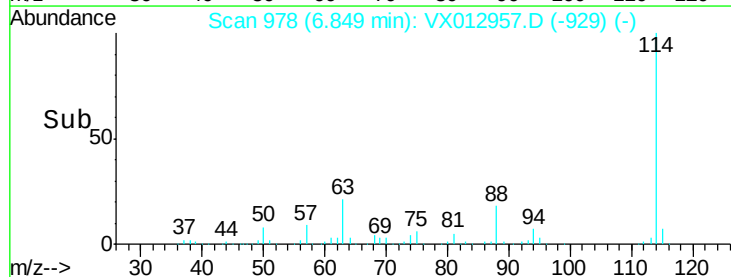
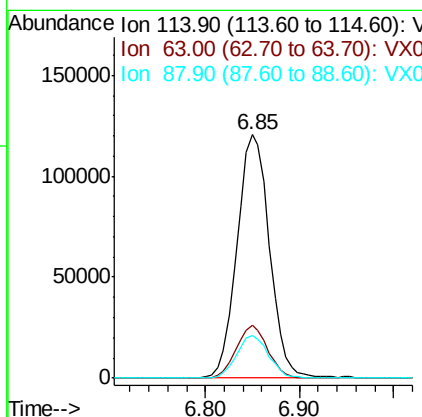
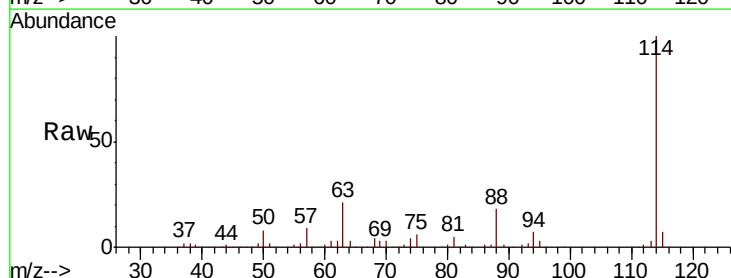
Manual Integrations
 APPROVED

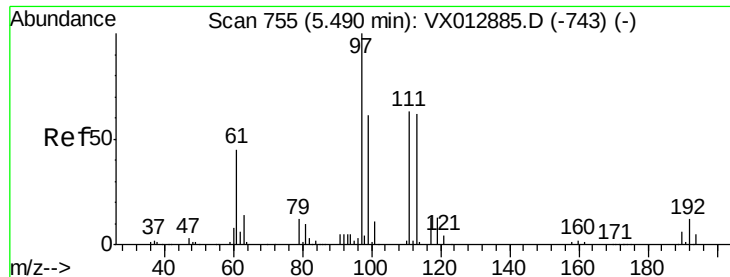
MMDadoda
 10/10/2019 9:04:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	288217		
63	21.5	0.0	40.8	
88	17.5	0.0	33.8	





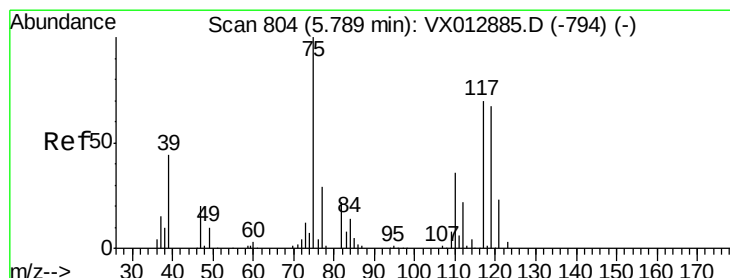
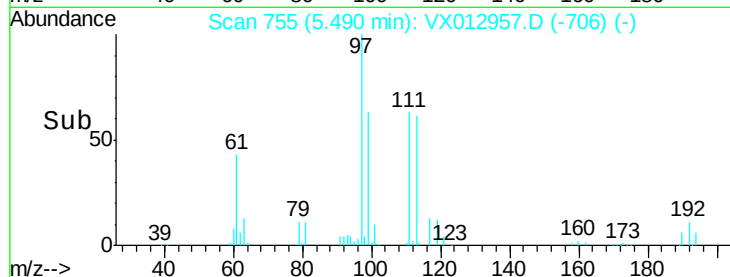
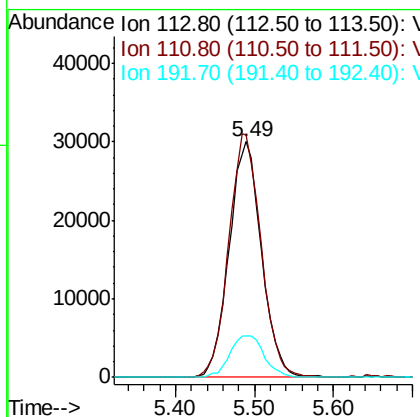
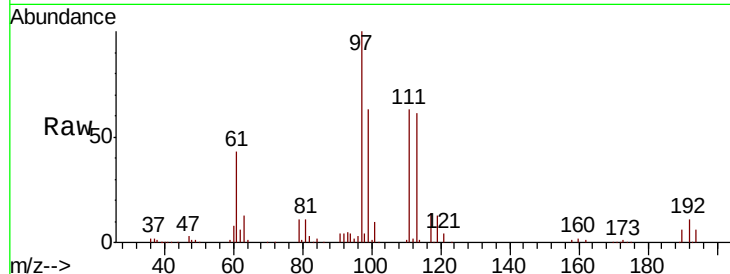
#35
 Dibromofluoromethane
 Concen: 51.667 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.2	124.8
192	18.8	15.4	23.2

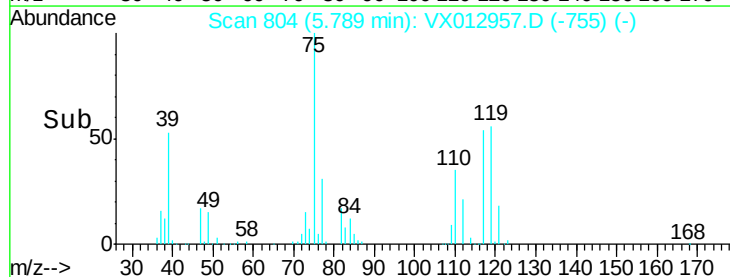
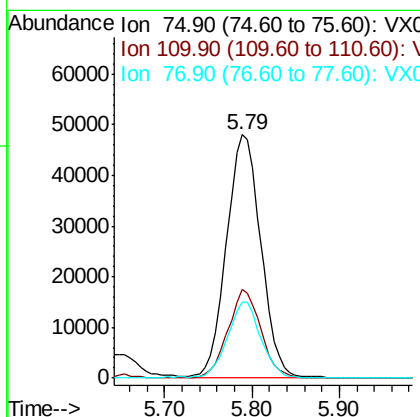
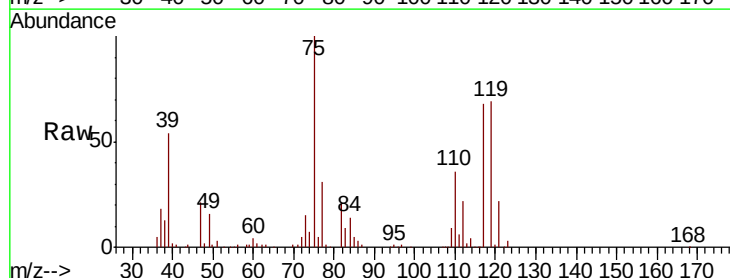
Manual Integrations
 APPROVED

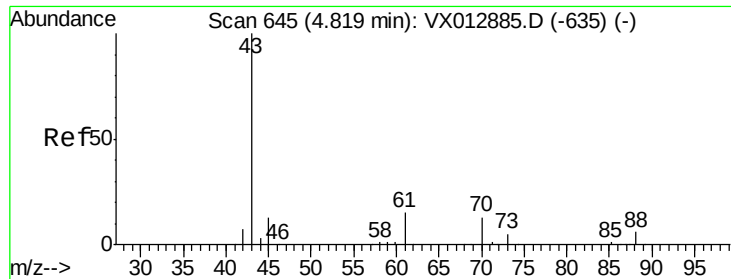
MMDadoda
 10/10/2019 9:04:25 AM



#36
 1,1-Dichloropropene
 Concen: 51.943 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	30.8	24.4	36.6





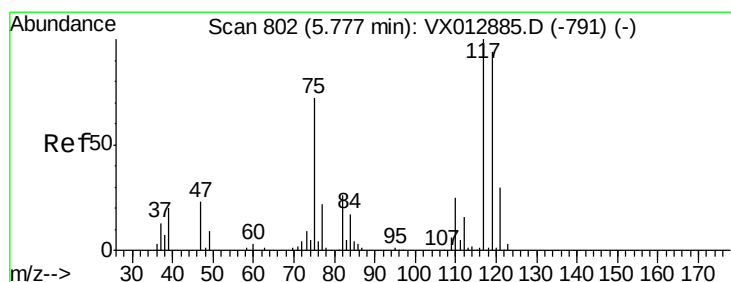
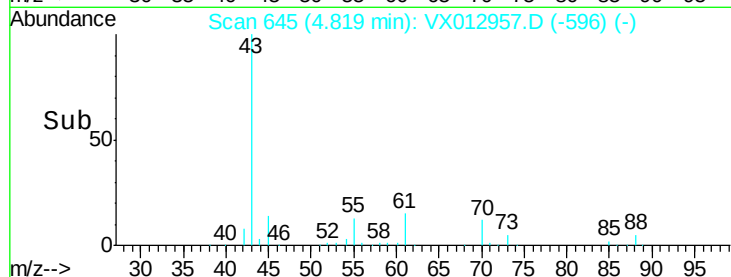
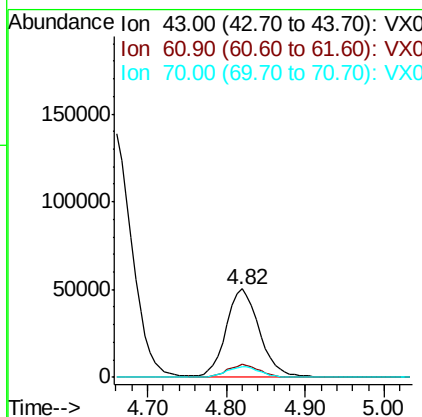
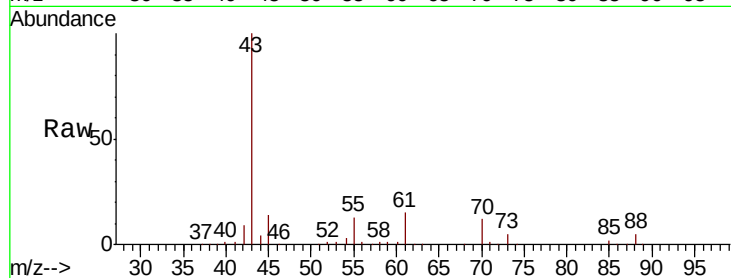
#37
Ethyl Acetate
Concen: 51.680 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	12.3	9.8	14.6

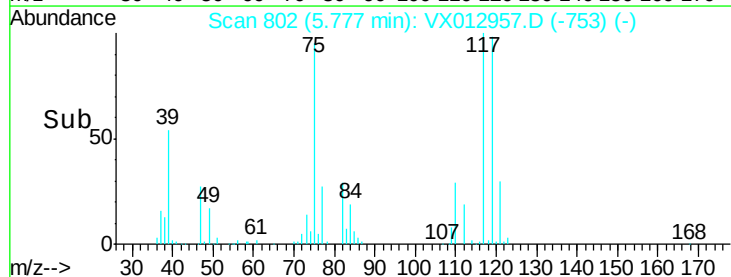
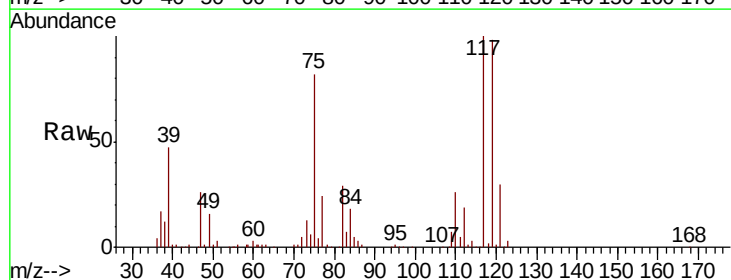
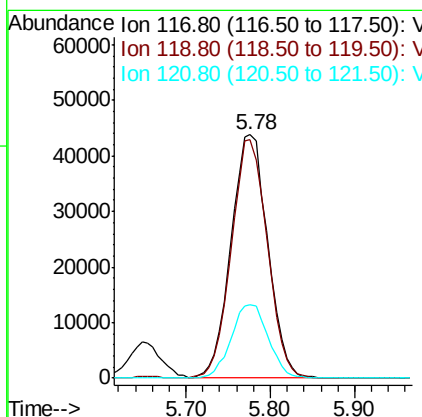
Manual Integrations
APPROVED

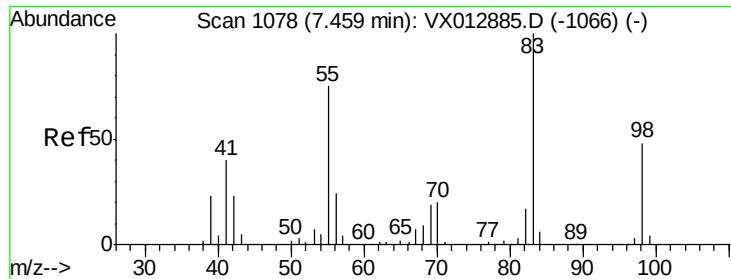
MMDadoda
10/10/2019 9:04:25 AM



#38
Carbon Tetrachloride
Concen: 52.489 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.5	111.7
121	30.3	24.2	36.4





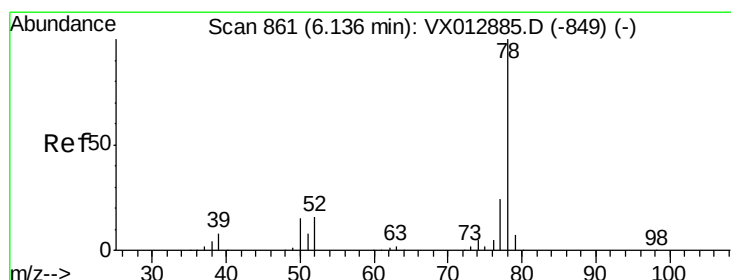
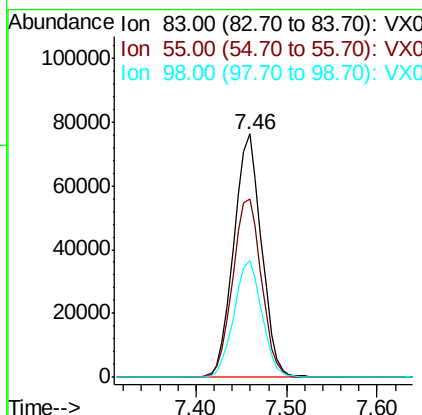
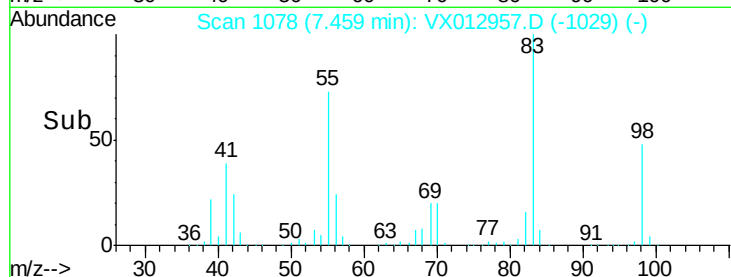
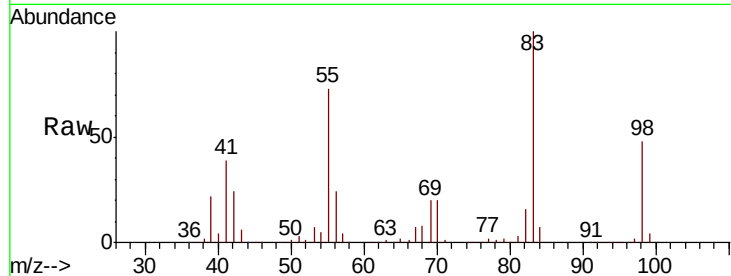
#39
Methylvlcyclohexane
Concen: 52.561 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.2	90.4
98	48.3	38.5	57.7

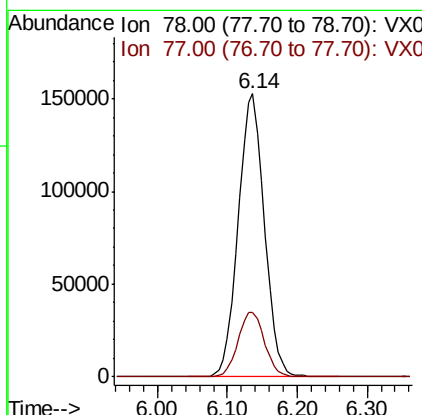
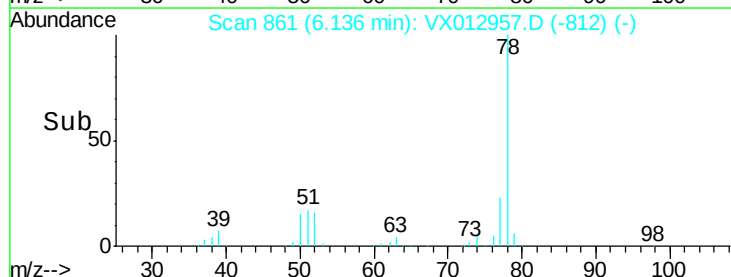
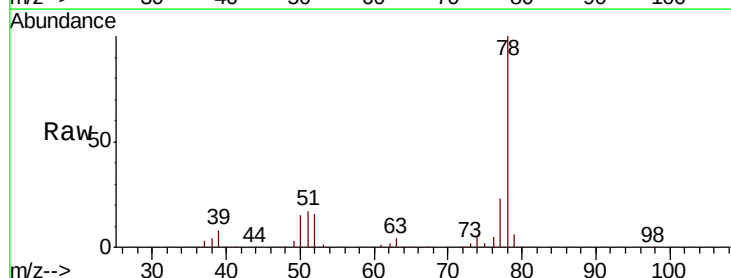
Manual Integrations
APPROVED

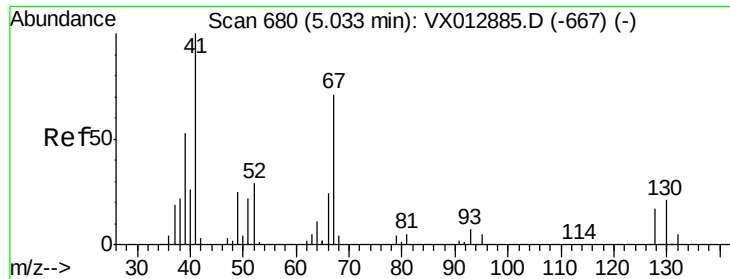
MMDadoda
10/10/2019 9:04:25 AM



#40
Benzene
Concen: 52.960 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





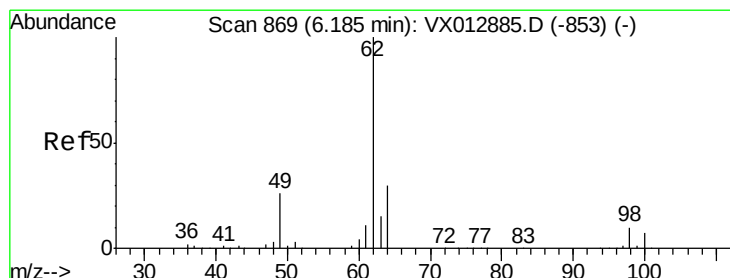
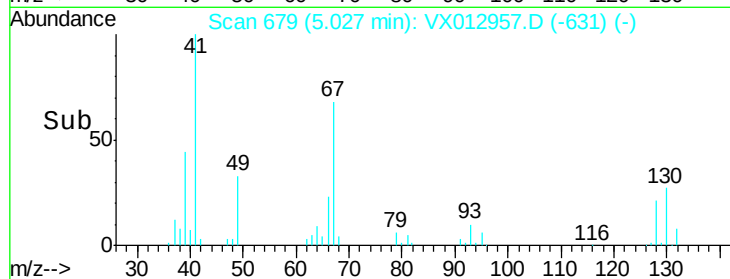
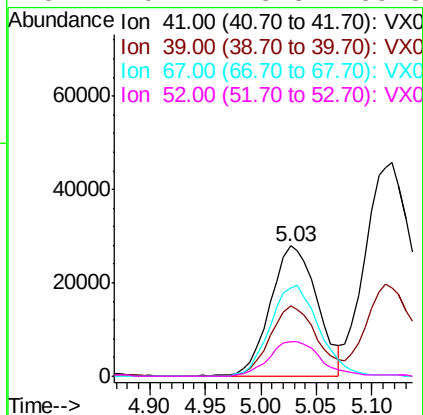
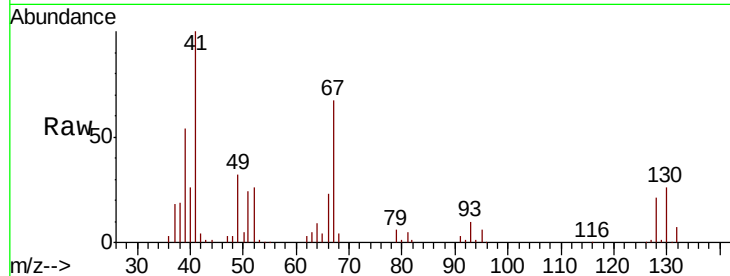
#41
Methacrylonitrile
Concen: 52.790 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	82193
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.0	66.0
67	72.5	58.5	87.7
52	29.1	23.8	35.8

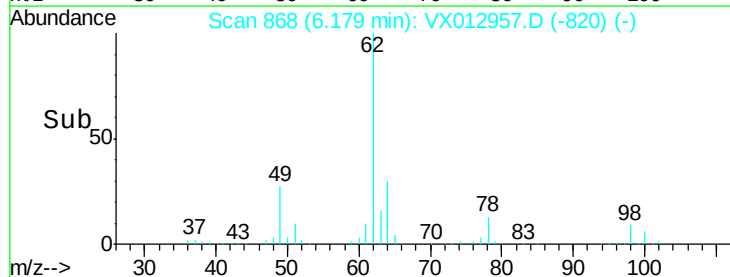
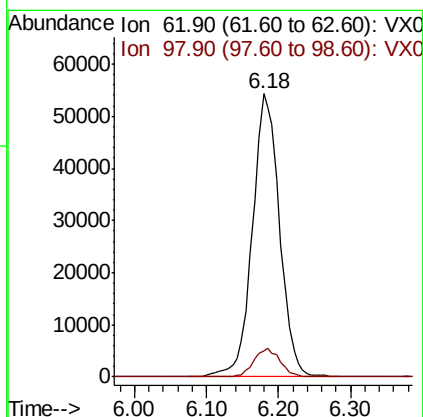
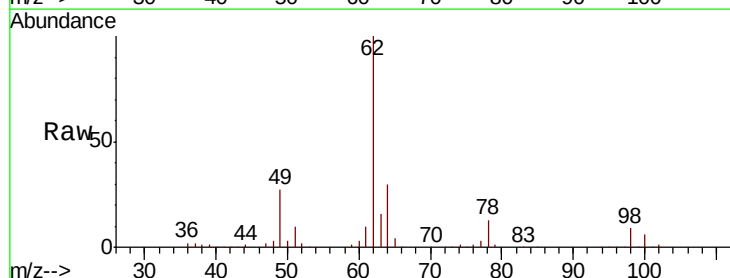
Manual Integrations
APPROVED

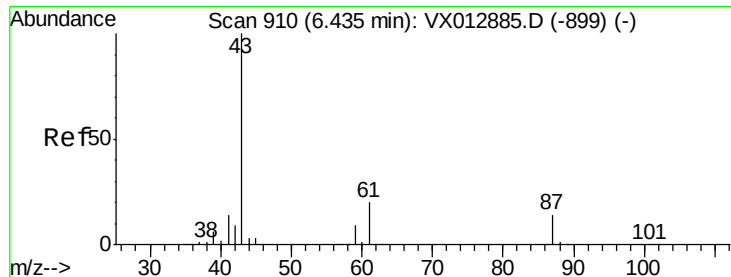
MMDadoda
10/10/2019 9:04:25 AM



#42
1,2-Dichloroethane
Concen: 52.938 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion:	62	Resp:	142169
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.4





#43

Isopropyl Acetate

Concen: 52.821 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

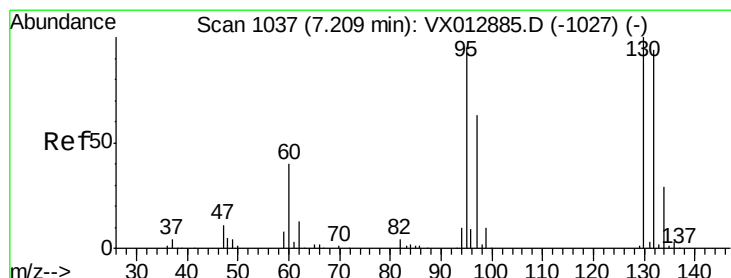
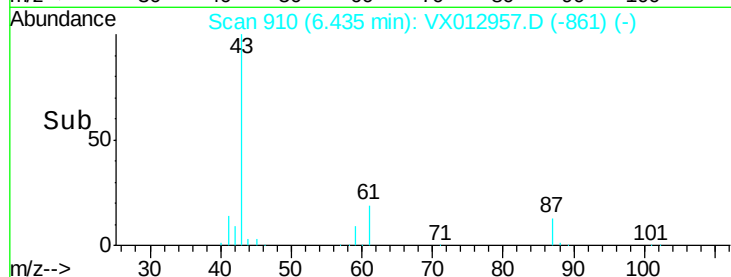
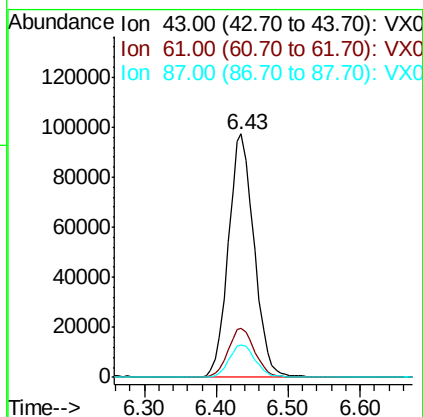
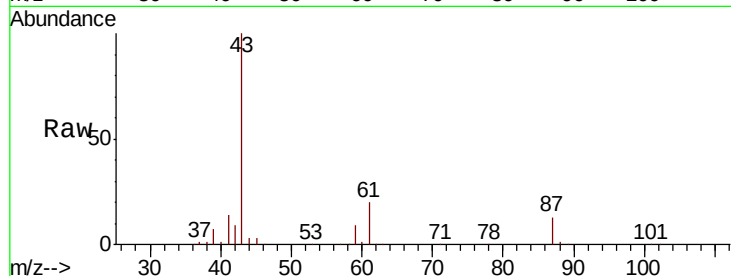
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	240225
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	13.9	11.0	16.6

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM



#44

Trichloroethene

Concen: 49.021 ug/l

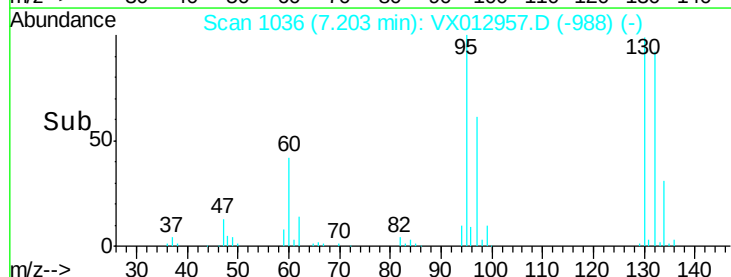
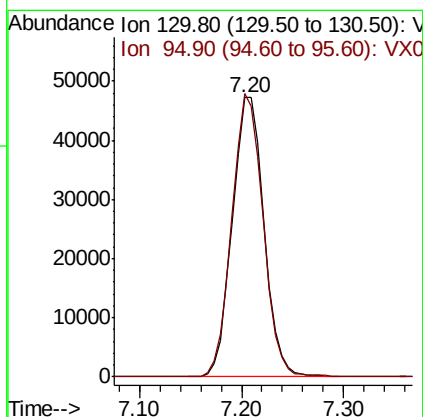
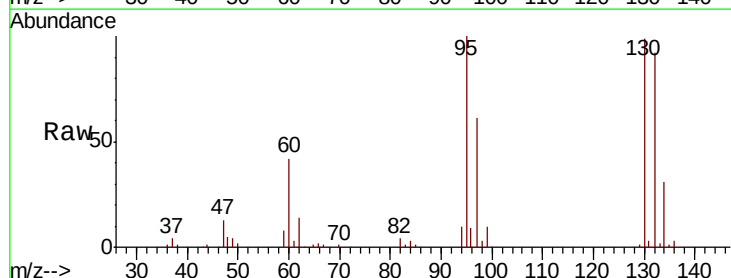
RT: 7.20 min Scan# 1036

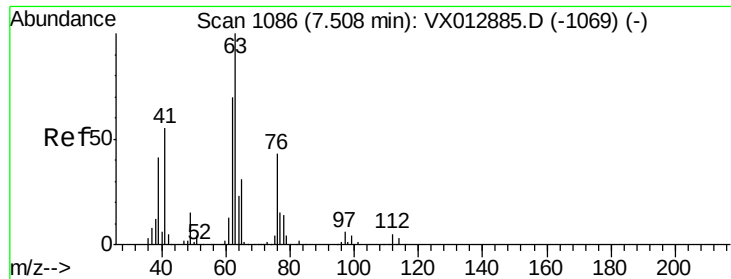
Delta R.T. -0.01 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion:	130	Resp:	101738
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	189.2





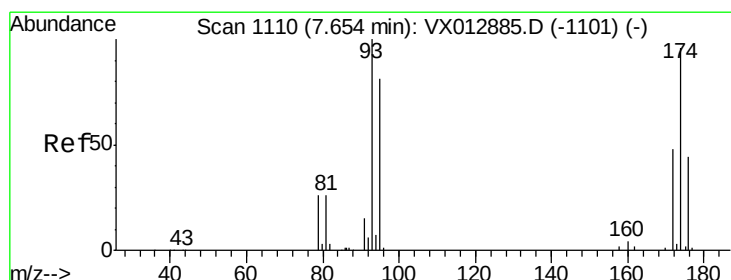
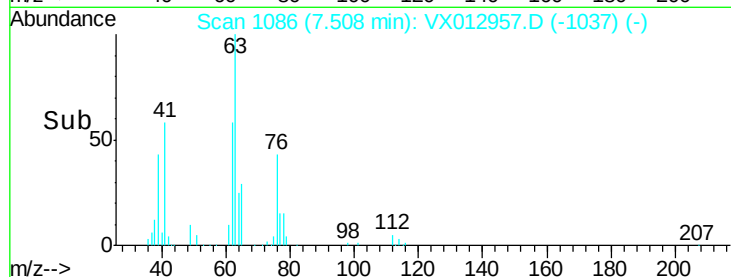
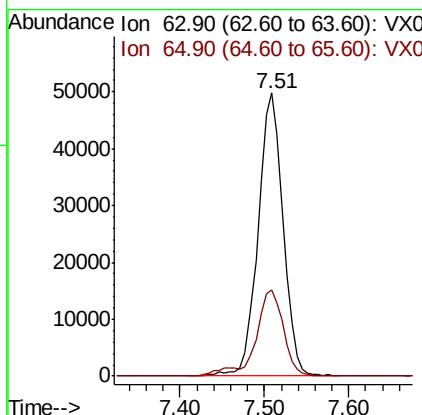
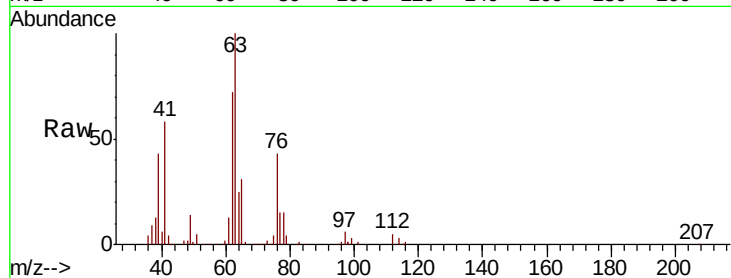
#45
 1,2-Dichloropropane
 Concen: 53.116 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 101318
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0

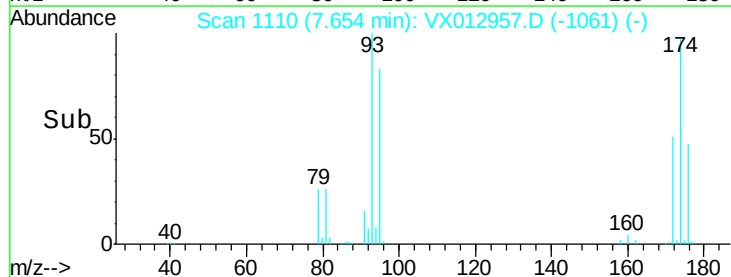
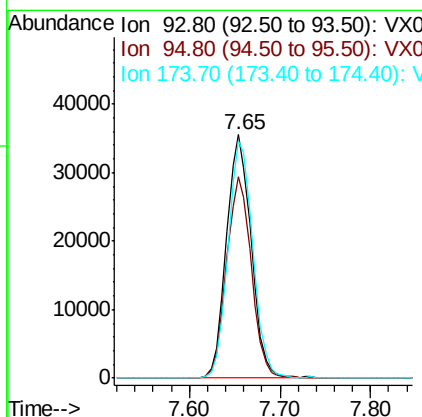
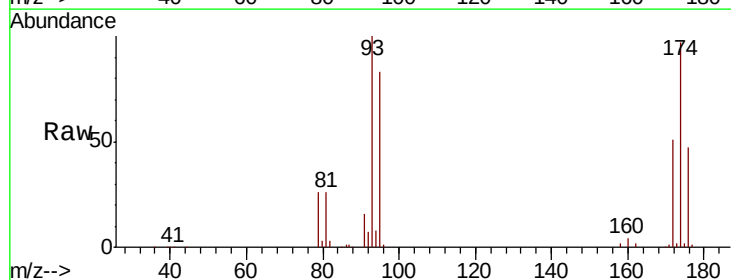
Manual Integrations
 APPROVED

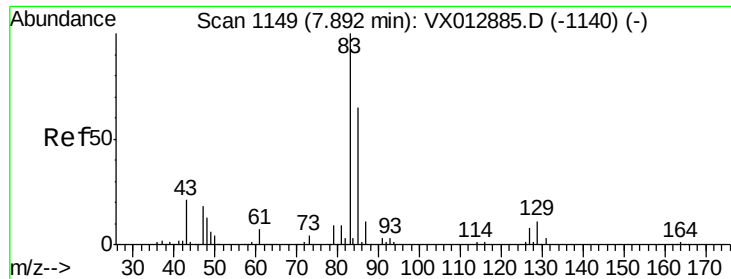
MMDadoda
 10/10/2019 9:04:25 AM



#46
 Dibromomethane
 Concen: 53.062 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion: 93 Resp: 67436
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.3 99.5
 174 97.2 77.8 116.6





#47

Bromodichloromethane

Concen: 54.533 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

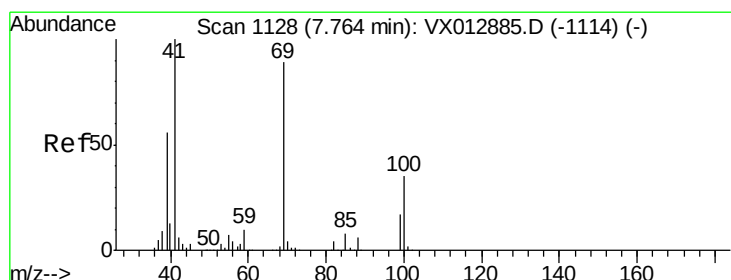
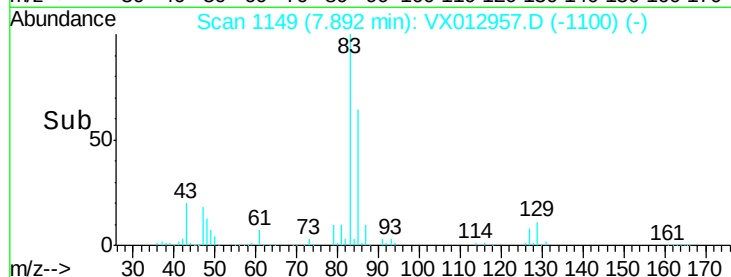
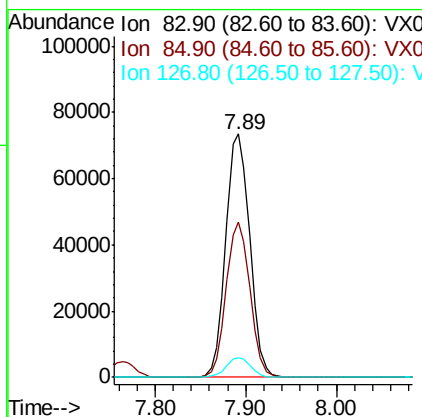
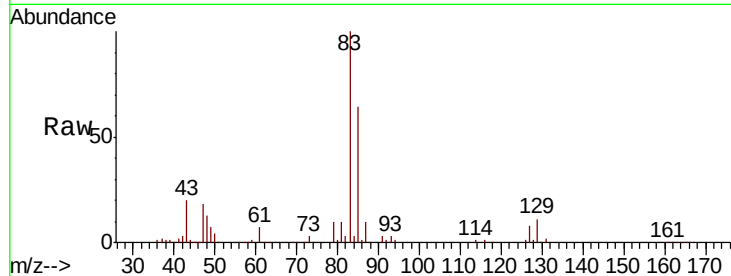
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	135250
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM



#48

Methyl methacrylate

Concen: 53.440 ug/l

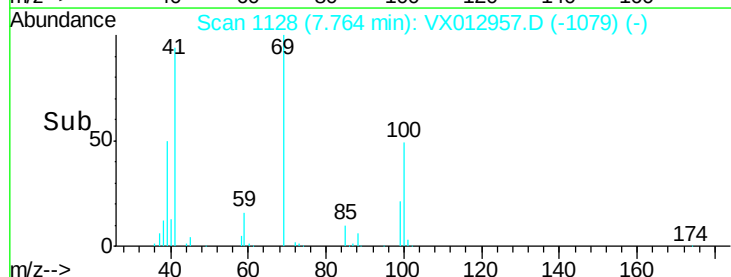
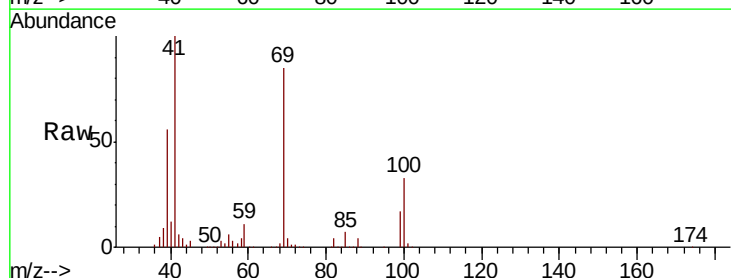
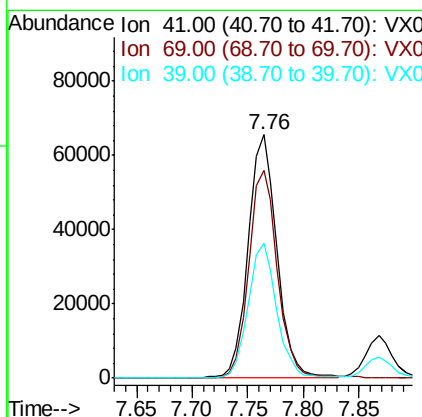
RT: 7.76 min Scan# 1128

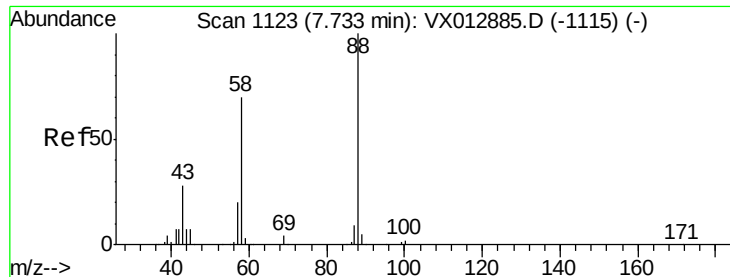
Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion:	41	Resp:	118435
Ion	Ratio	Lower	Upper
41	100		
69	84.8	68.7	103.1
39	55.0	44.3	66.5





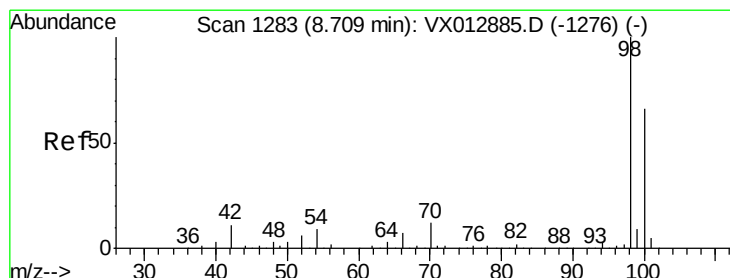
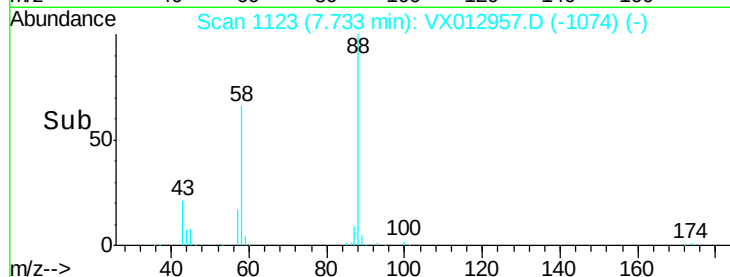
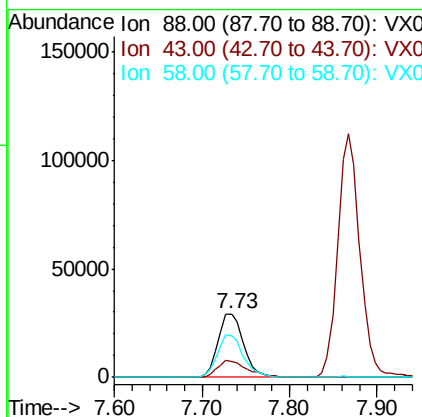
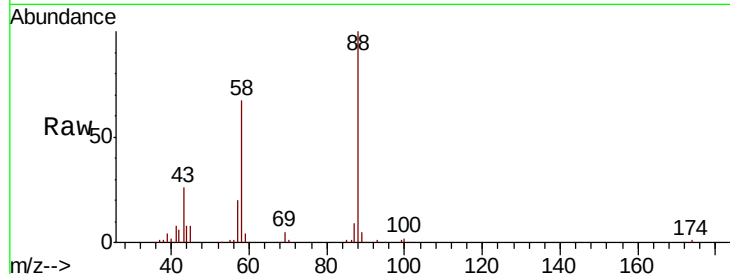
#49
1,4-Dioxane
Concen: 992.910 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.6
58	68.5	55.4	83.2

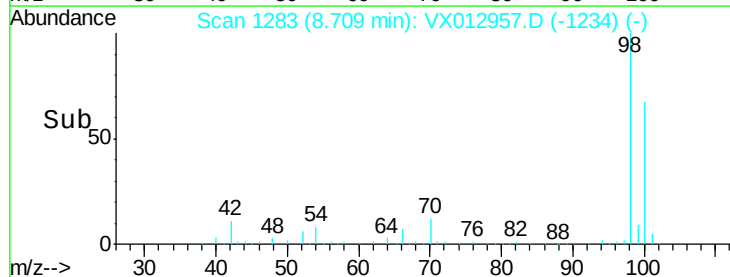
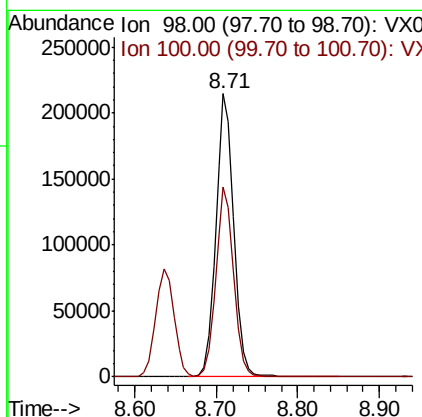
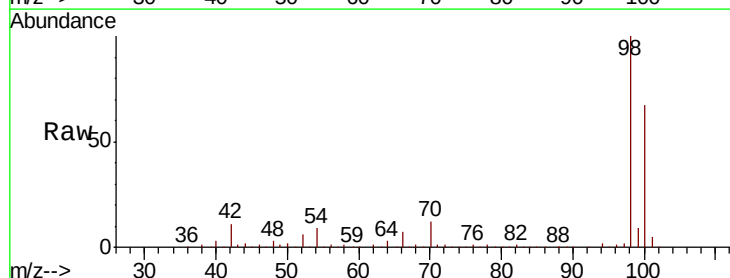
Manual Integrations
APPROVED

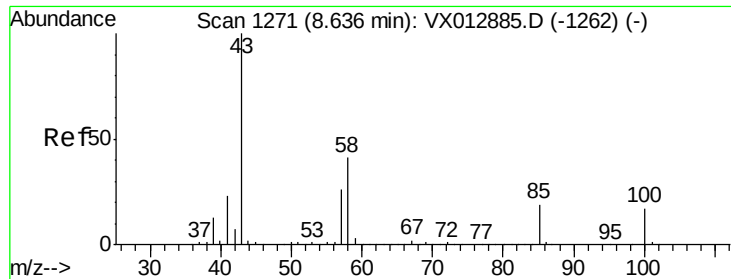
MMDadoda
10/10/2019 9:04:25 AM



#50
Toluene-d8
Concen: 51.080 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 265.246 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 752107

Ion Ratio Lower Upper

43 100

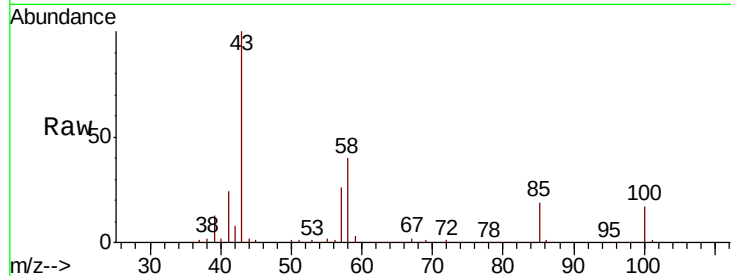
58 39.9 32.4 48.6

Manual Integrations

APPROVED

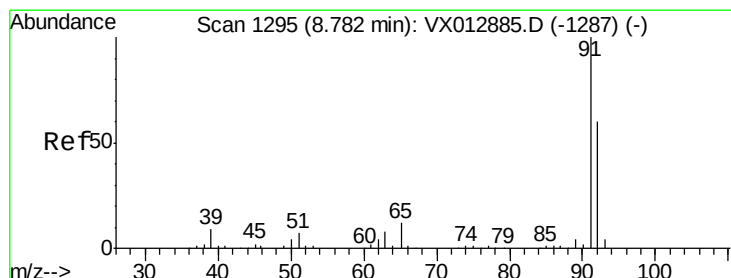
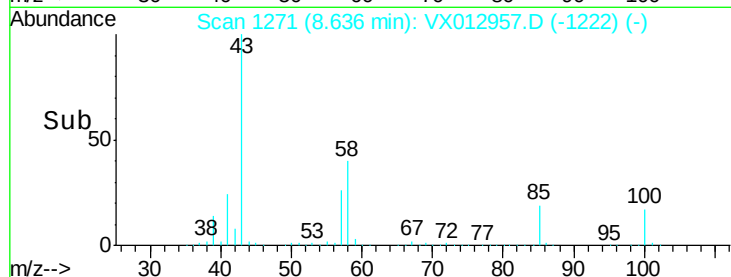
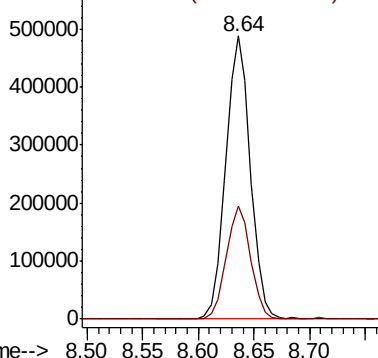
MMDadoda

10/10/2019 9:04:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.645 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012957.D

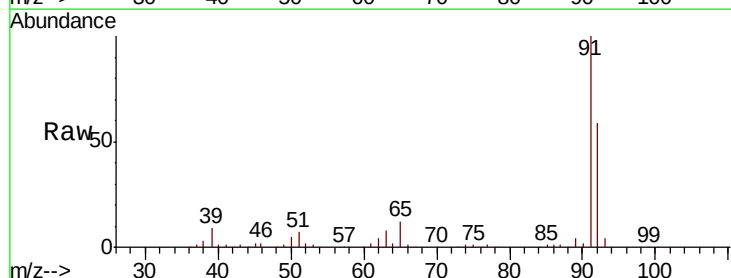
Acq: 09 Oct 2019 21:11

Tgt Ion: 92 Resp: 252068

Ion Ratio Lower Upper

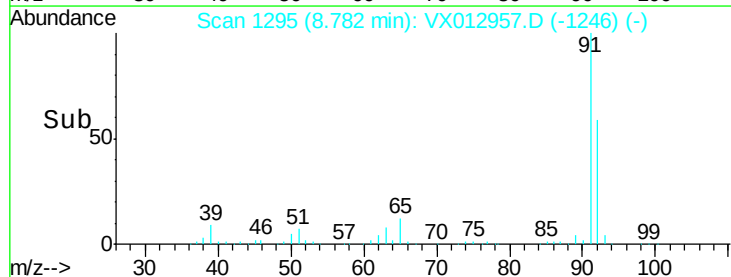
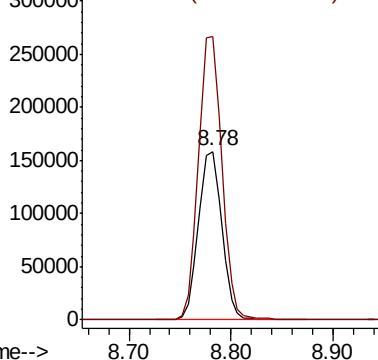
92 100

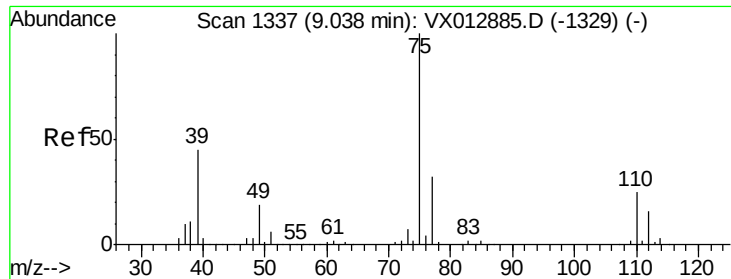
91 168.1 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





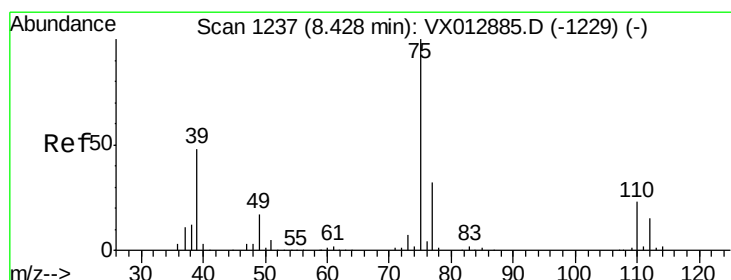
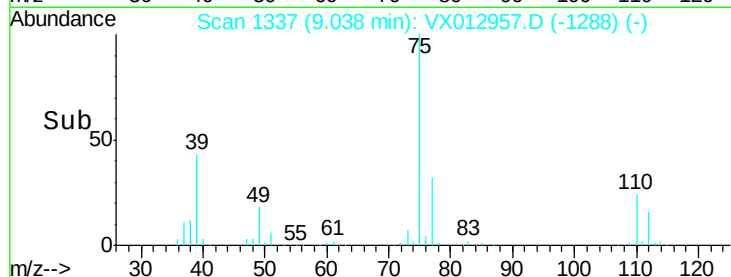
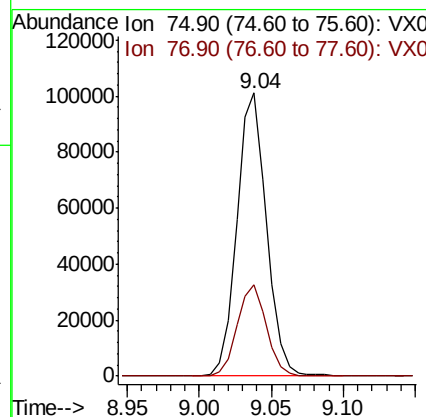
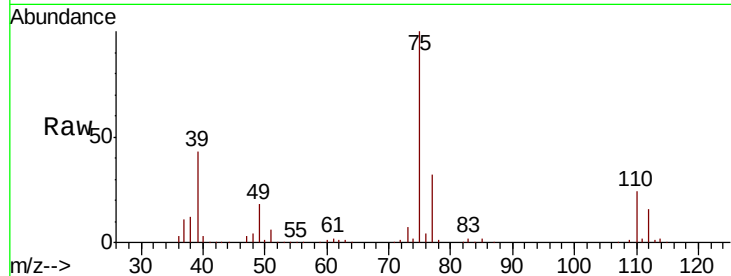
#53
t-1,3-Dichloropropene
Concen: 46.933 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 144832
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6

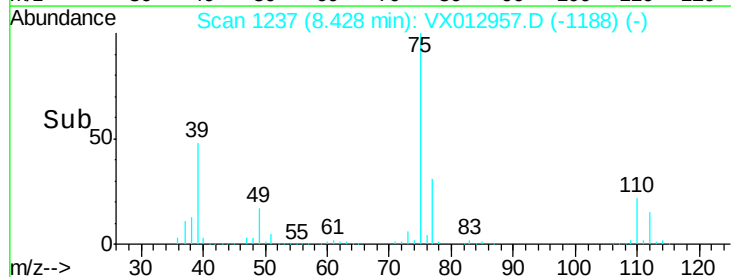
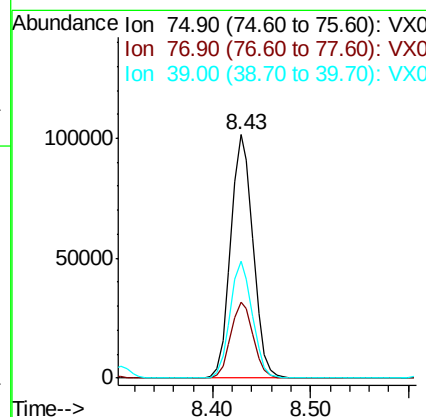
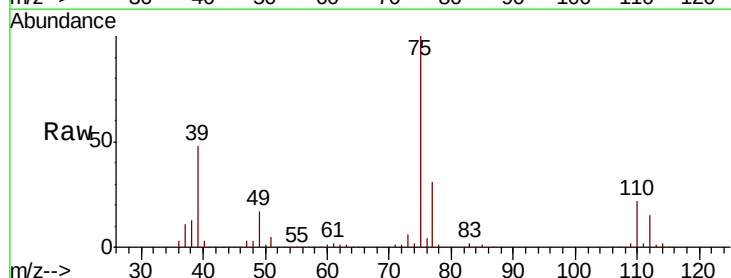
Manual Integrations
APPROVED

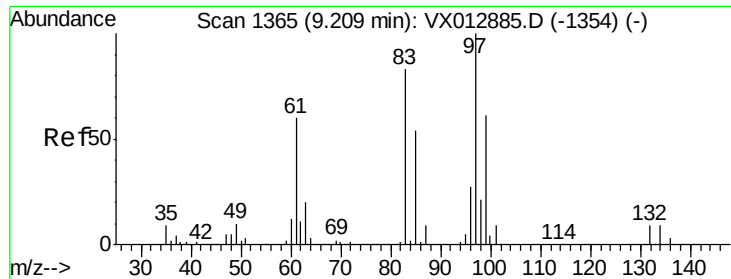
MMDadoda
10/10/2019 9:04:25 AM



#54
cis-1,3-Dichloropropene
Concen: 53.057 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion: 75 Resp: 161843
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 47.8 38.2 57.2





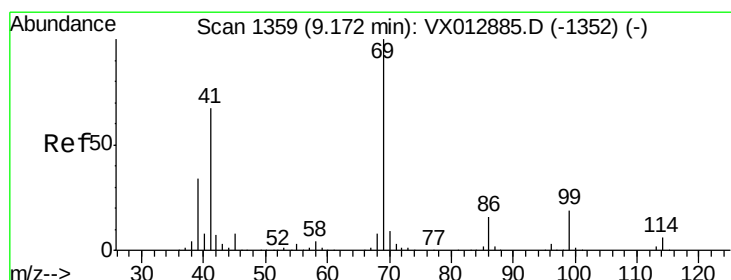
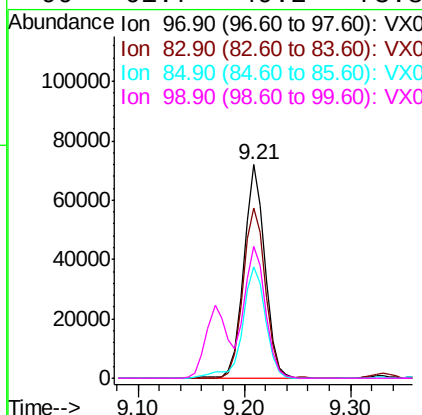
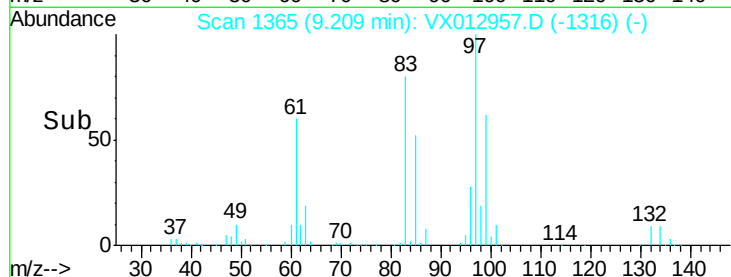
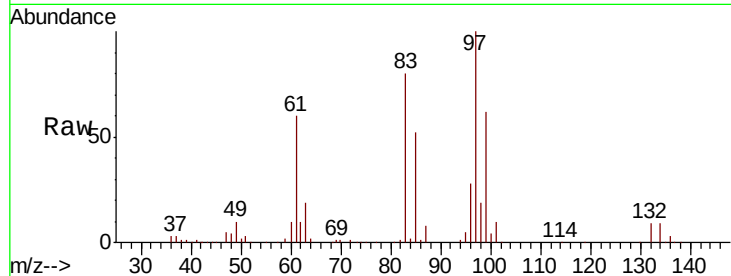
#55
 1,1,2-Trichloroethane
 Concen: 53.015 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	100456
Ion Ratio	Lower	Upper	
97	100		
83	79.7	66.5	99.7
85	52.2	43.1	64.7
99	61.7	49.2	73.8

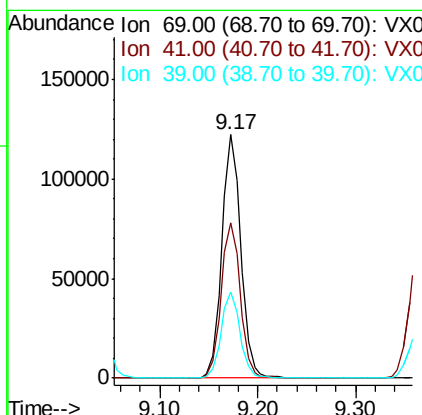
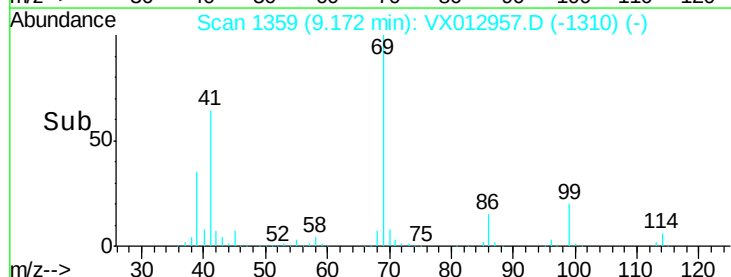
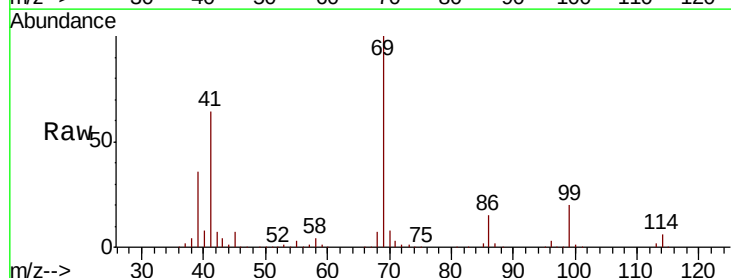
Manual Integrations
 APPROVED

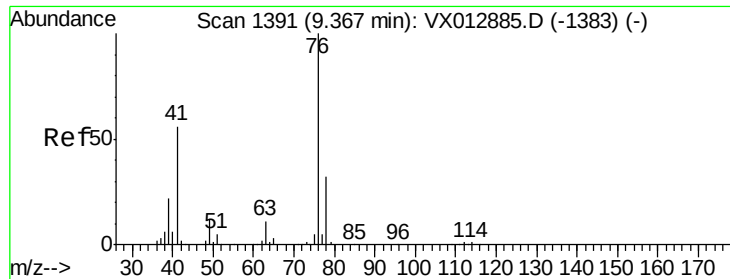
MMDadoda
 10/10/2019 9:04:25 AM



#56
 Ethyl methacrylate
 Concen: 48.675 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion:	69	Resp:	164987
Ion Ratio	Lower	Upper	
69	100		
41	64.8	52.1	78.1
39	35.3	27.8	41.8





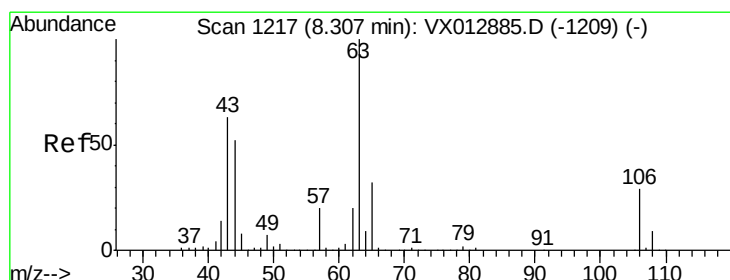
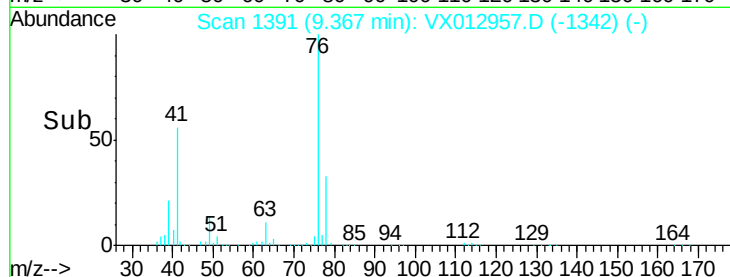
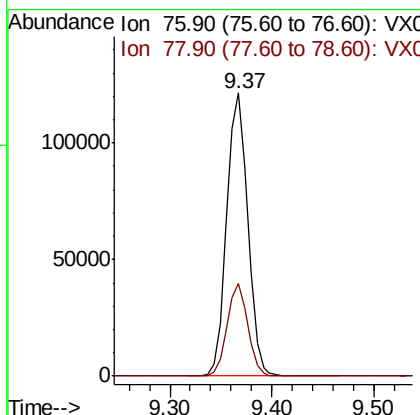
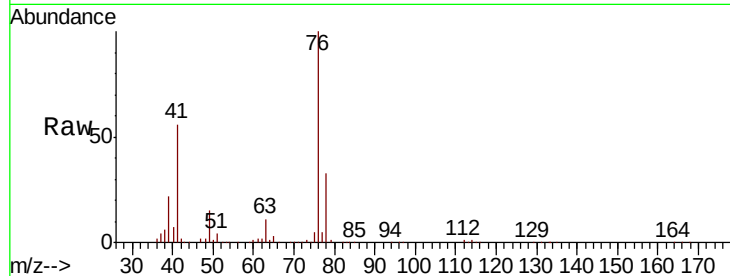
#57
 1,3-Dichloropropane
 Concen: 52.901 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

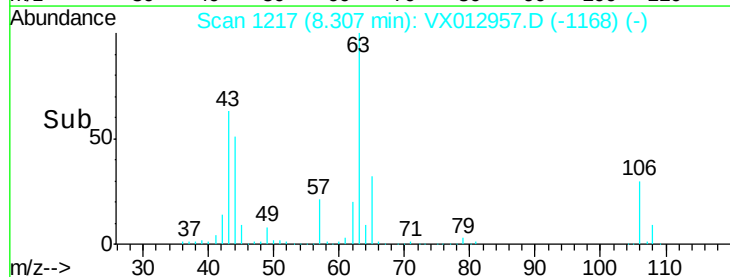
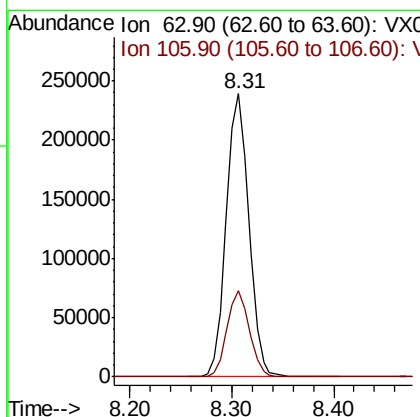
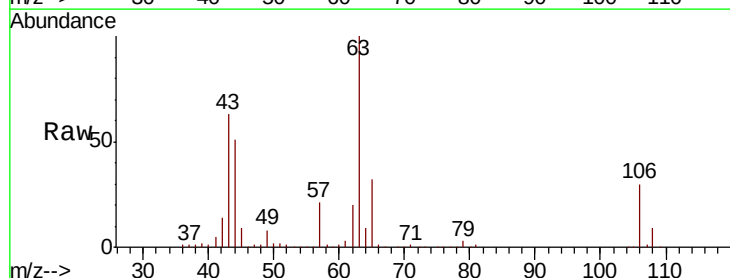
Manual Integrations
 APPROVED

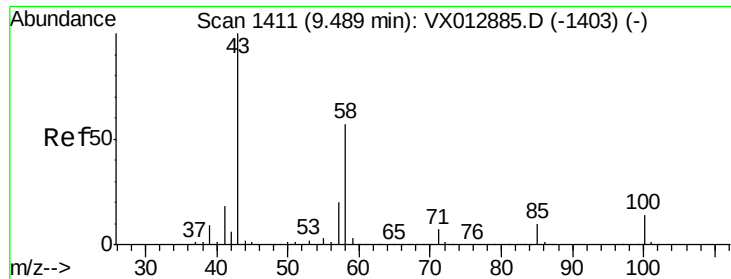
MMDadoda
 10/10/2019 9:04:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.802 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.8





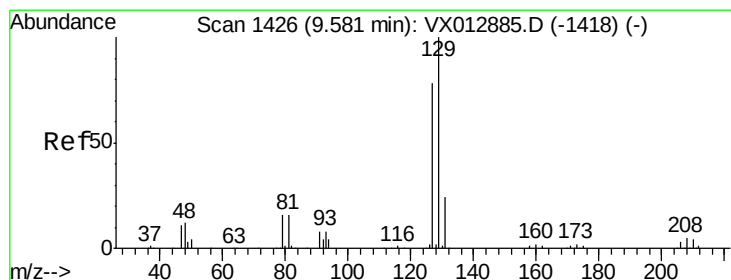
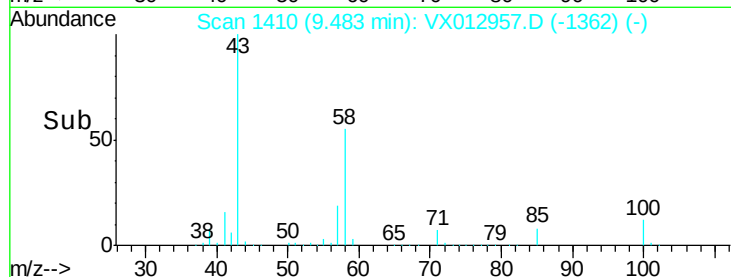
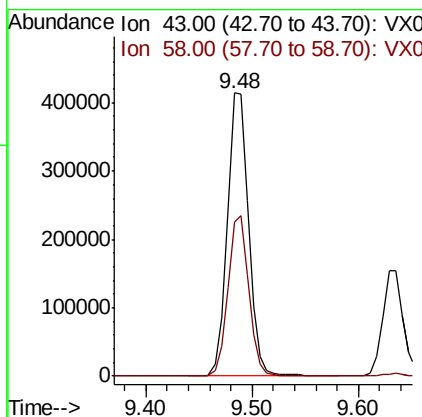
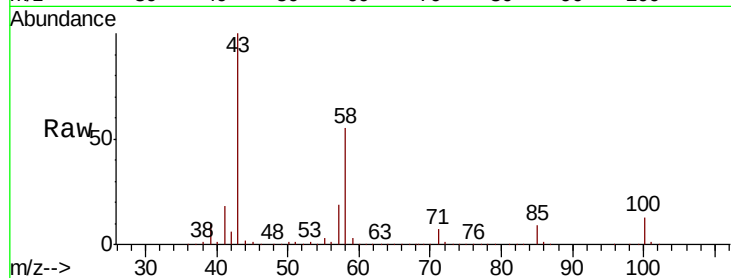
#59
2-Hexanone
Concen: 263.347 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	28.1	84.3

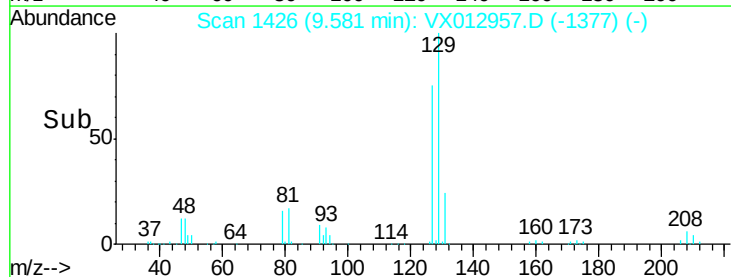
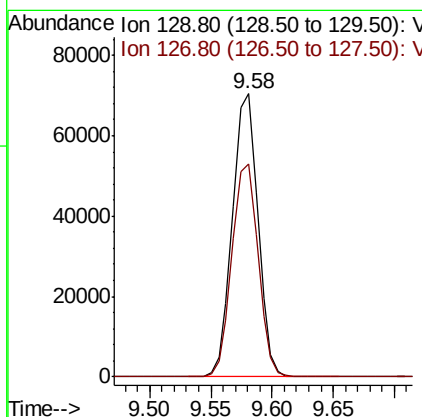
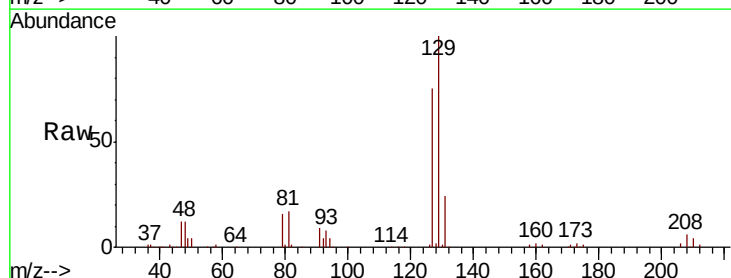
Manual Integrations
APPROVED

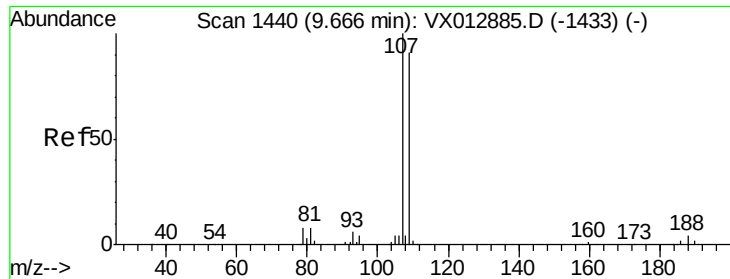
MMDadoda
10/10/2019 9:04:25 AM



#60
Dibromochloromethane
Concen: 48.190 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.7





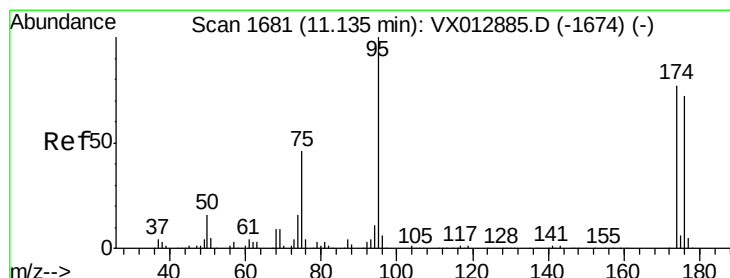
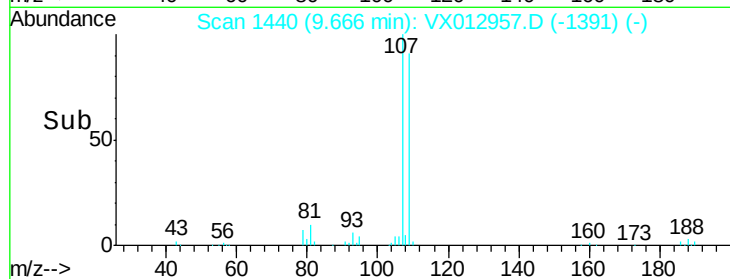
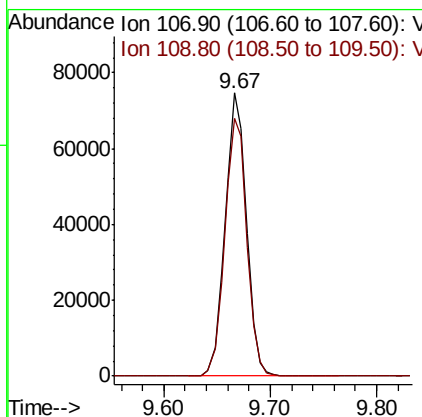
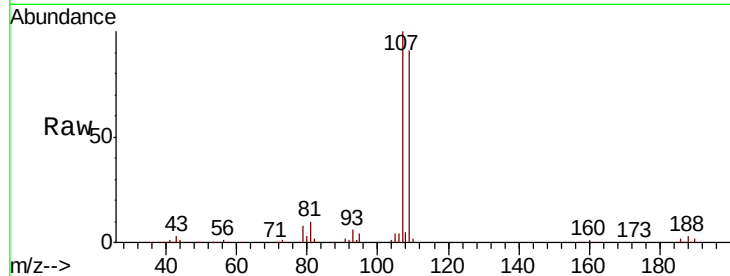
#61
 1,2-Dibromoethane
 Concen: 52.585 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104817		
109	93.9	75.8	113.6	

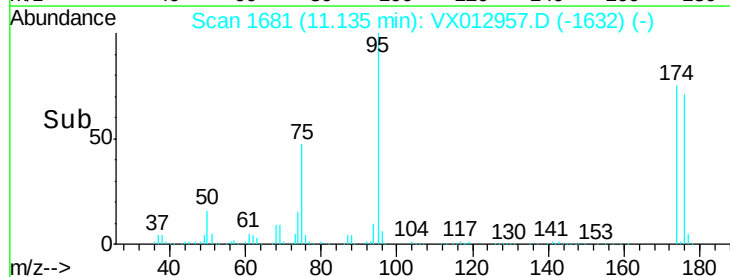
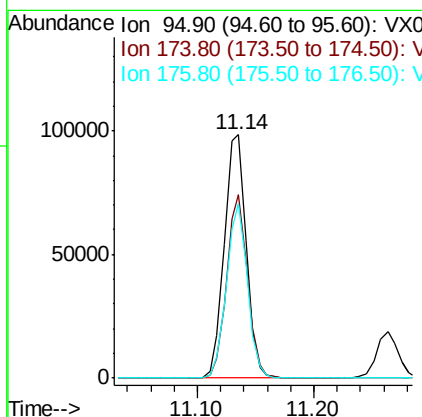
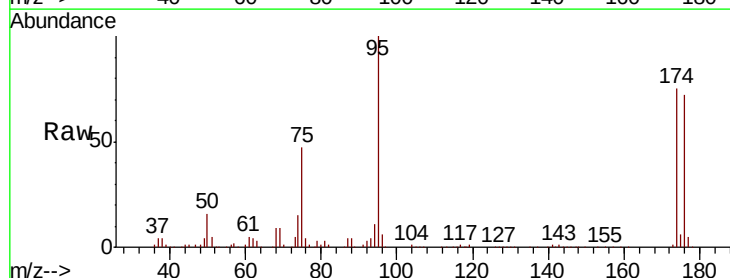
Manual Integrations
 APPROVED

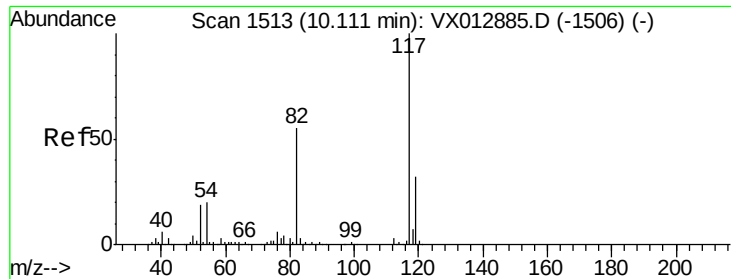
MMDadoda
 10/10/2019 9:04:25 AM



#62
 4-Bromofluorobenzene
 Concen: 51.190 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	128328		
174	71.8	0.0	143.4	
176	68.5	0.0	136.0	





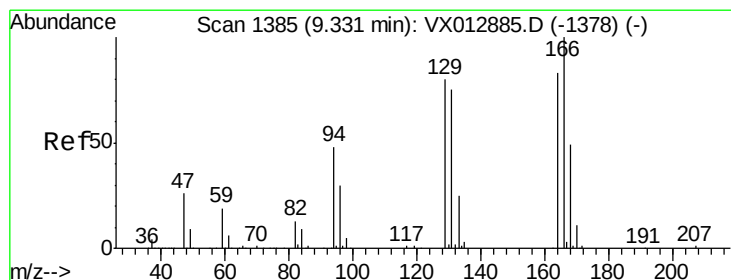
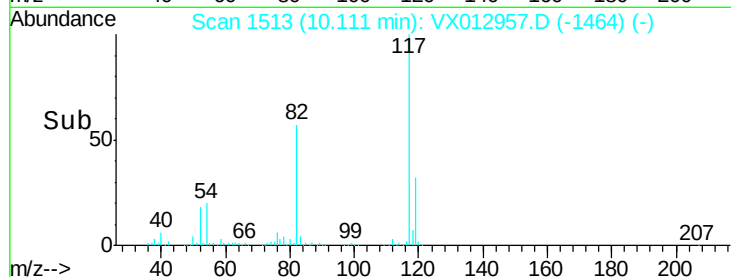
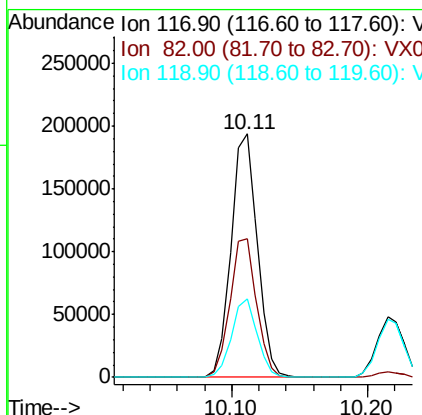
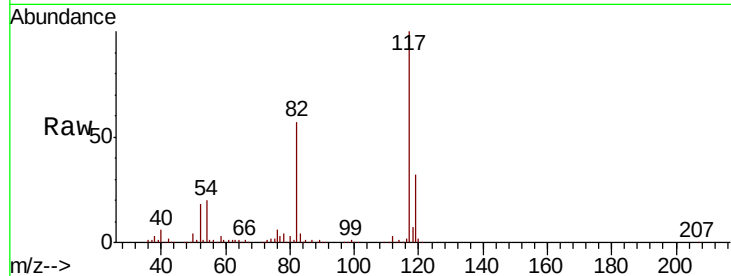
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261459		
82	56.7		44.1	66.1
119	32.0		25.8	38.8

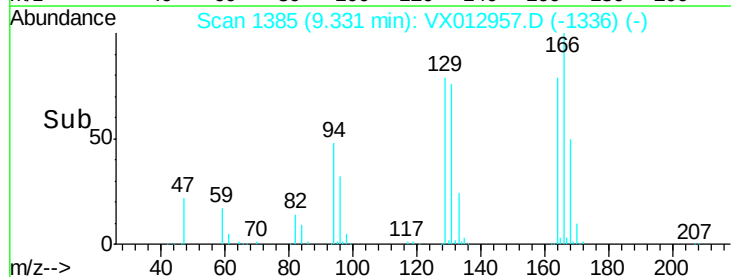
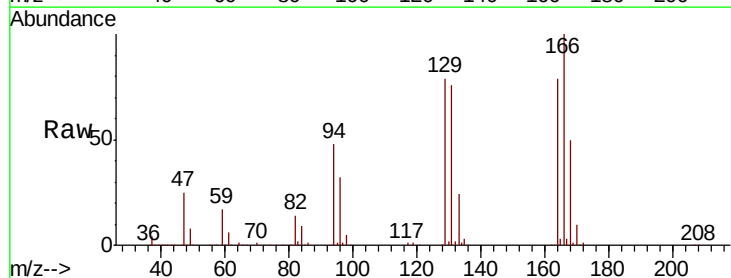
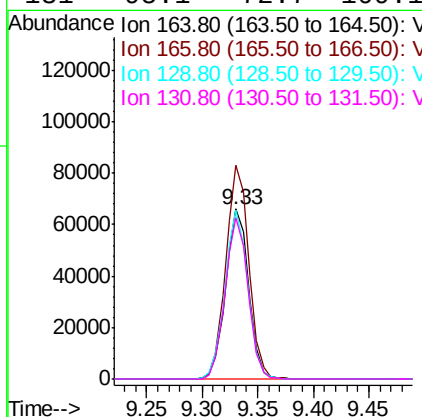
Manual Integrations
APPROVED

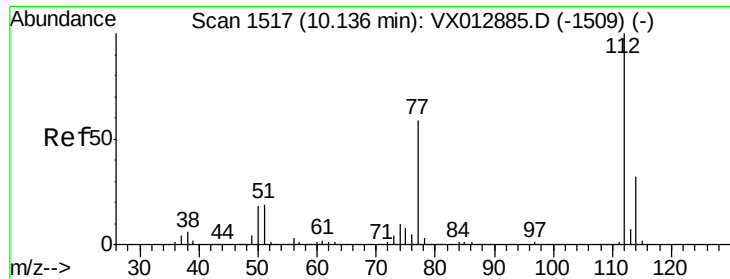
MMDadoda
10/10/2019 9:04:25 AM



#64
Tetrachloroethene
Concen: 51.996 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94294		
166	125.8		96.9	145.3
129	99.4		77.9	116.9
131	95.1		72.7	109.1





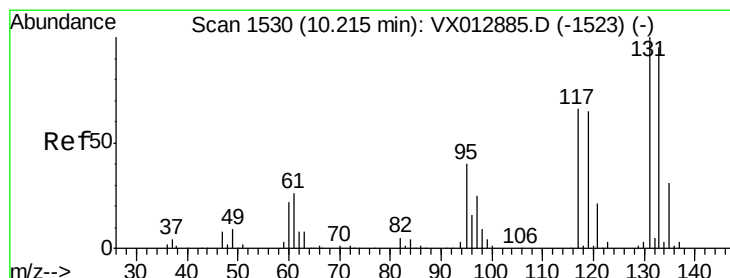
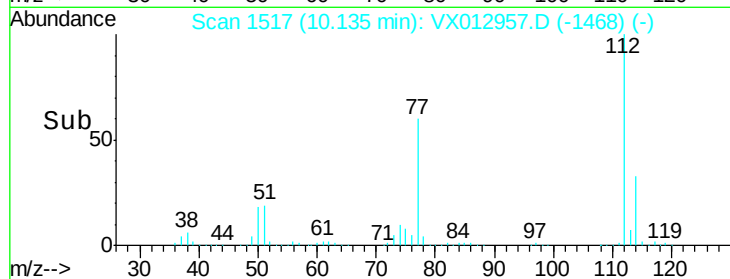
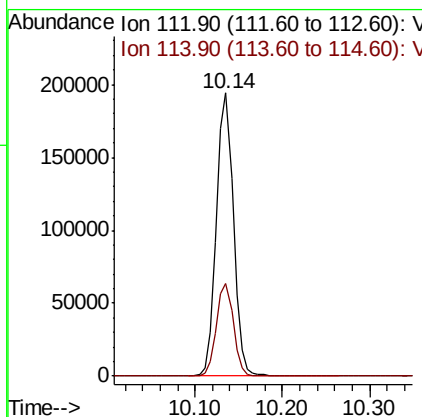
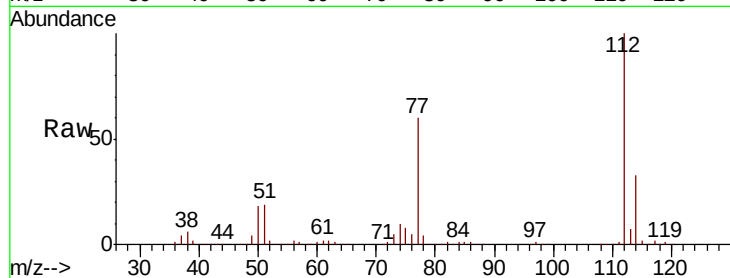
#65
Chlorobenzene
Concen: 50.287 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 261101
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5

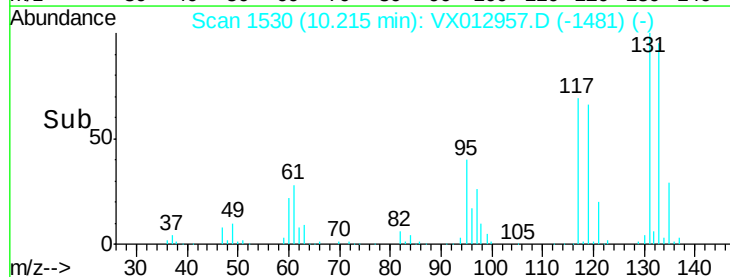
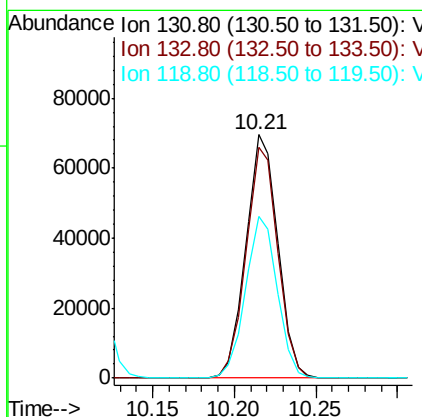
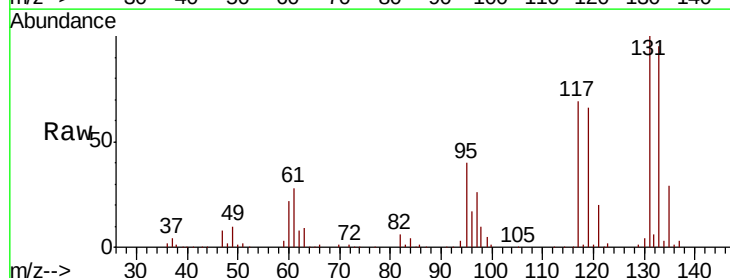
Manual Integrations
APPROVED

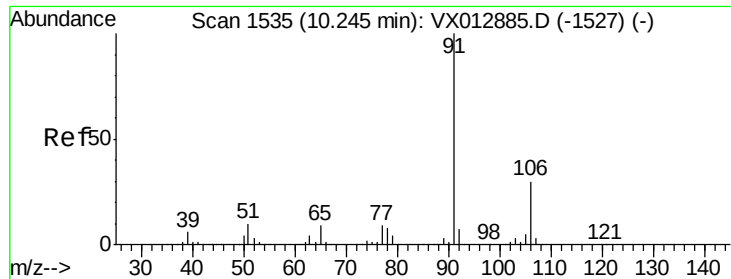
MMDadoda
10/10/2019 9:04:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.641 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion:131 Resp: 94767
Ion Ratio Lower Upper
131 100
133 95.0 47.2 141.6
119 66.2 32.6 98.0





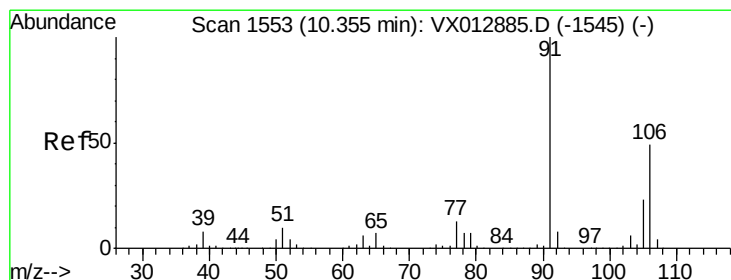
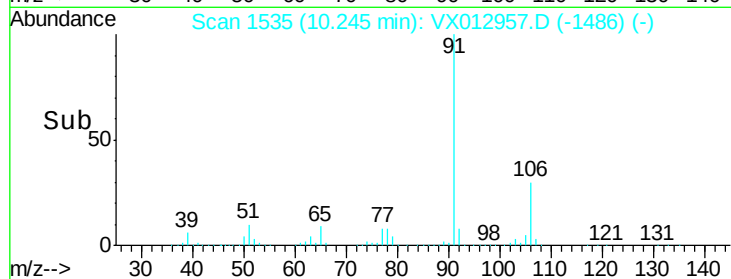
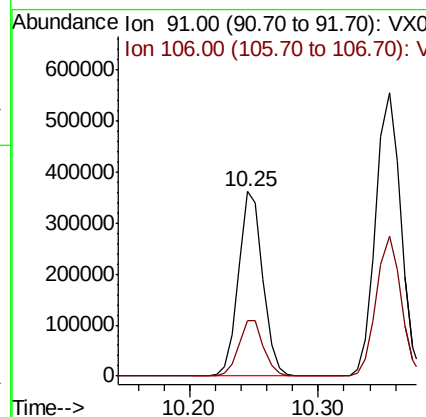
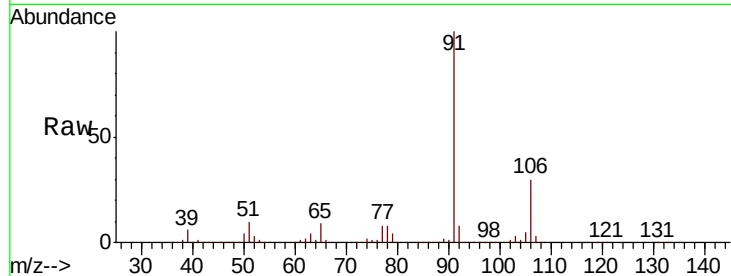
#67
Ethyl Benzene
Concen: 51.931 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 478951
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

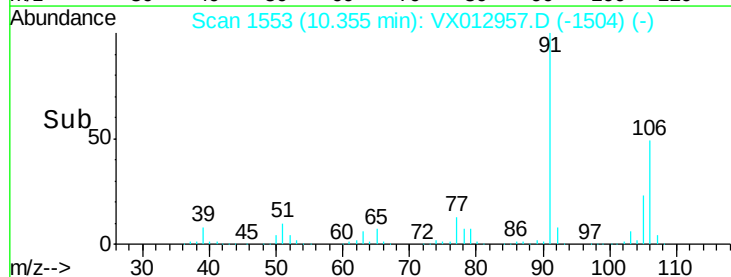
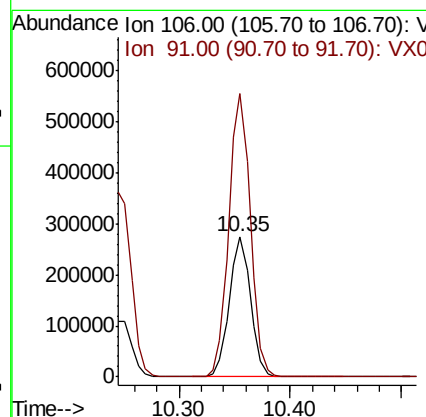
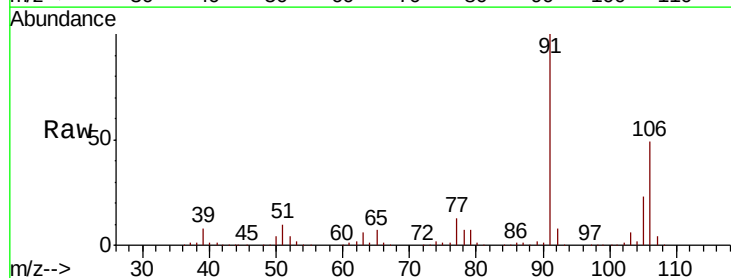
Manual Integrations
APPROVED

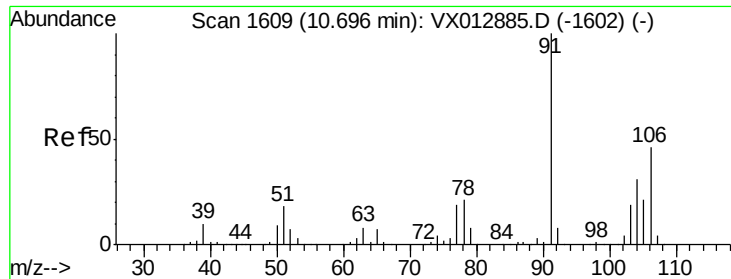
MMDadoda
10/10/2019 9:04:25 AM



#68
m/p-Xylenes
Concen: 105.405 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion: 106 Resp: 363170
Ion Ratio Lower Upper
106 100
91 205.0 165.3 247.9





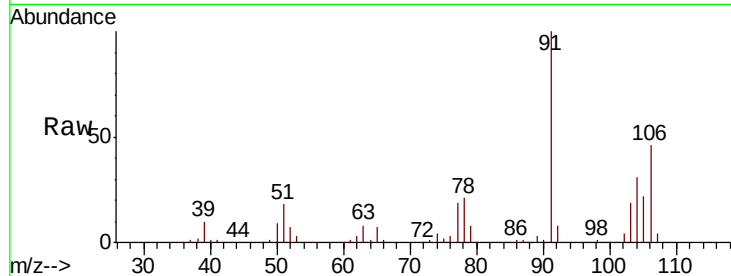
#69
o-Xylene
Concen: 51.968 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

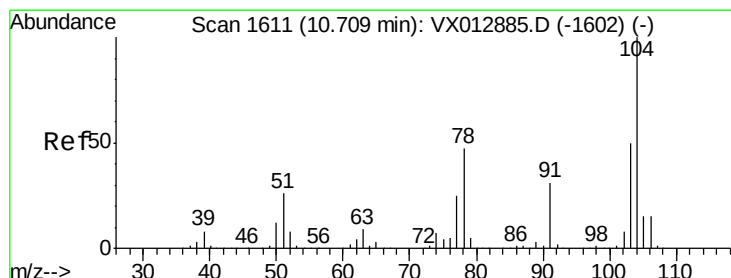
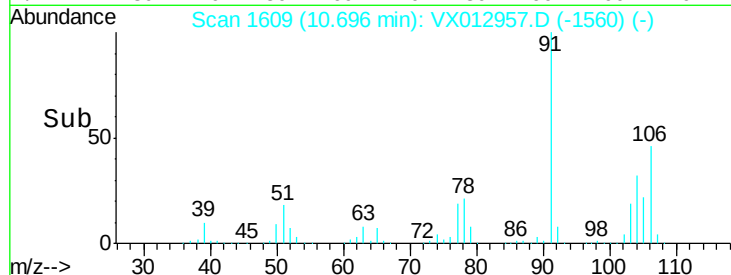
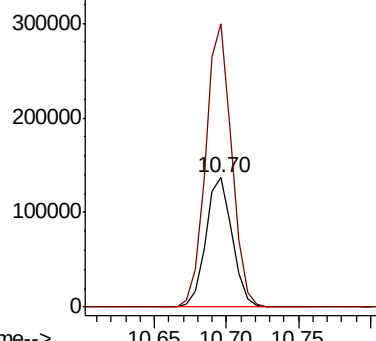
Tot Ion:106 Resp: 174609
Ion Ratio Lower Upper
106 100
91 215.6 109.1 327.3

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM

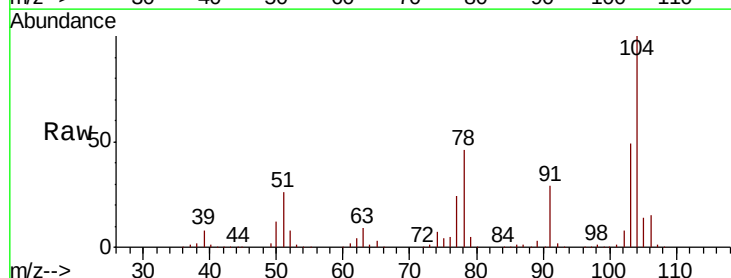


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

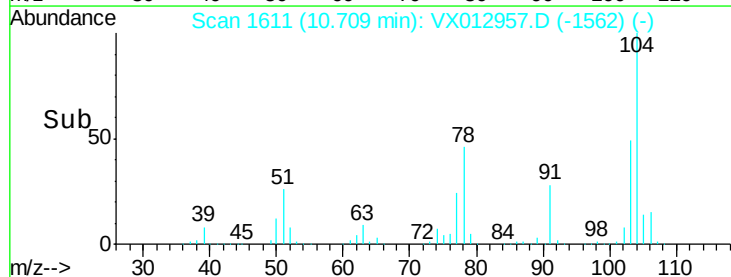
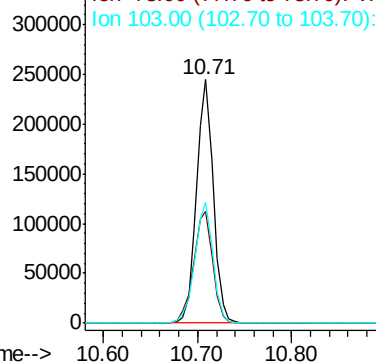


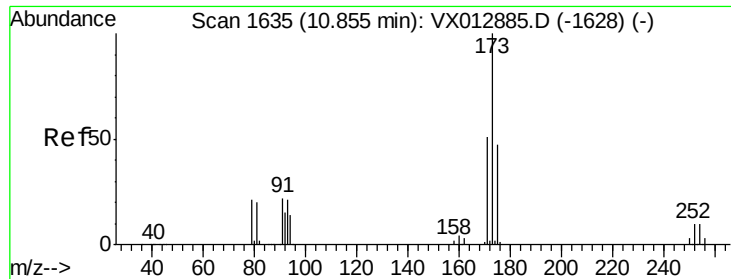
#70
Styrene
Concen: 53.051 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion:104 Resp: 303021
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 53.5 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.024 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 68539

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

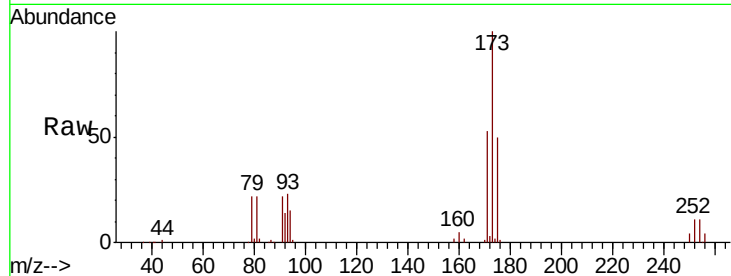
254 0.2 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

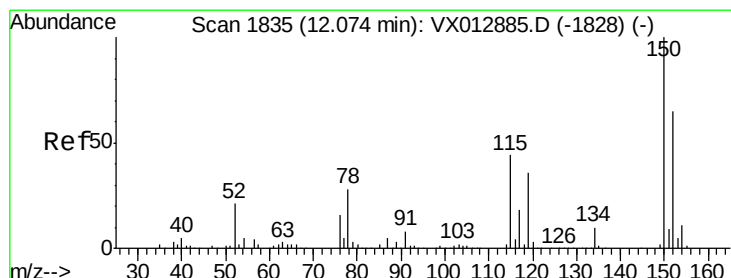
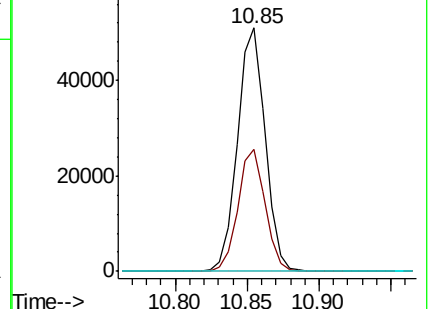
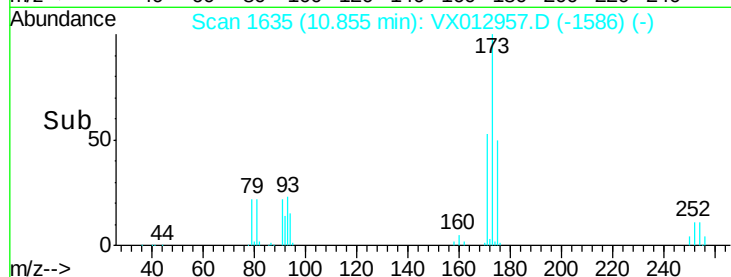
10/10/2019 9:04:25 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

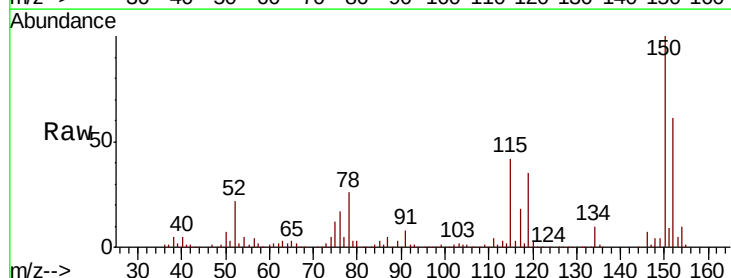
Tgt Ion:152 Resp: 119728

Ion Ratio Lower Upper

152 100

115 89.7 44.5 133.5

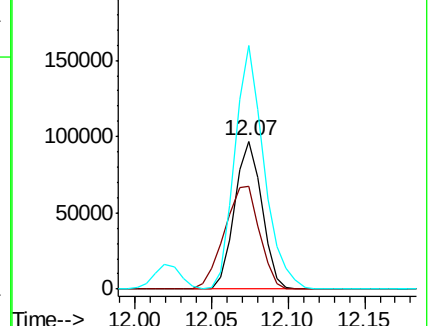
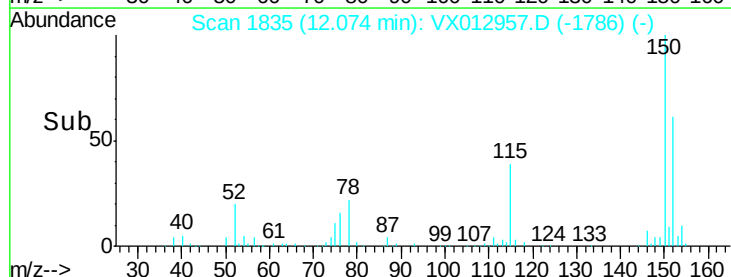
150 176.8 0.0 353.4

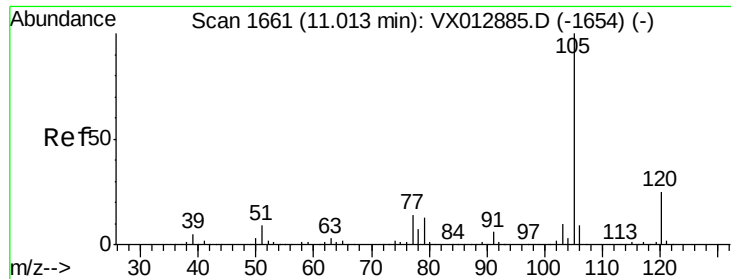


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.240 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 468654

Ion Ratio Lower Upper

105 100

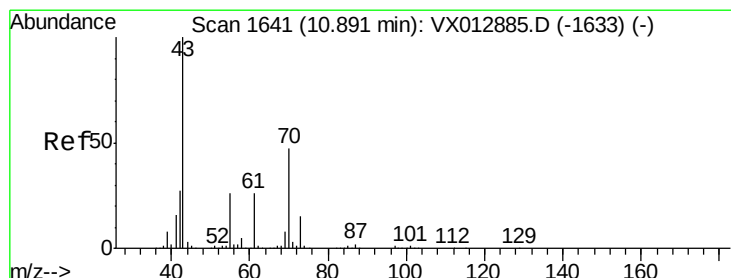
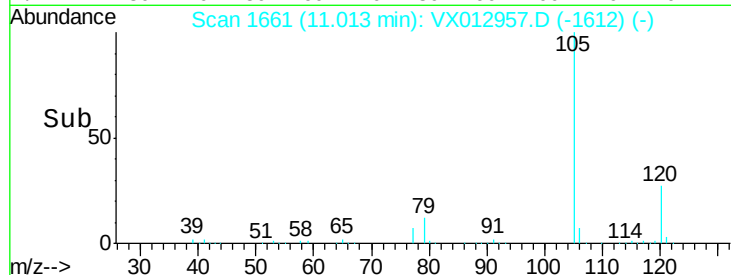
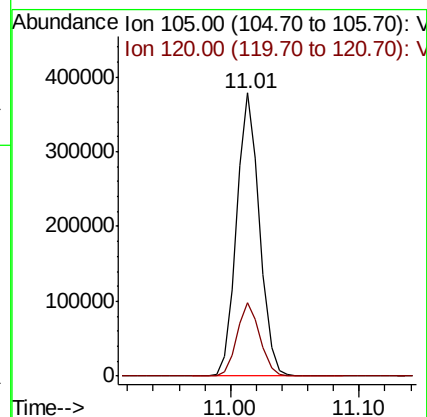
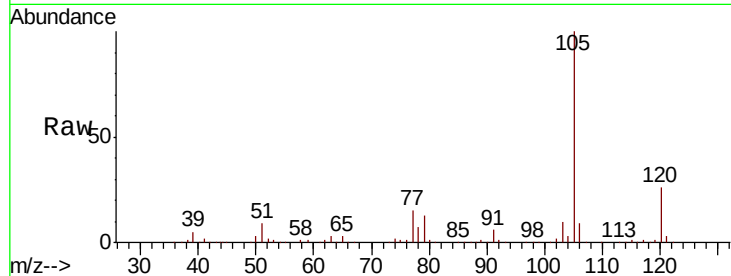
120 25.9 13.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/10/2019 9:04:25 AM



#74

N-ethyl acetate

Concen: 54.651 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion: 43 Resp: 207187

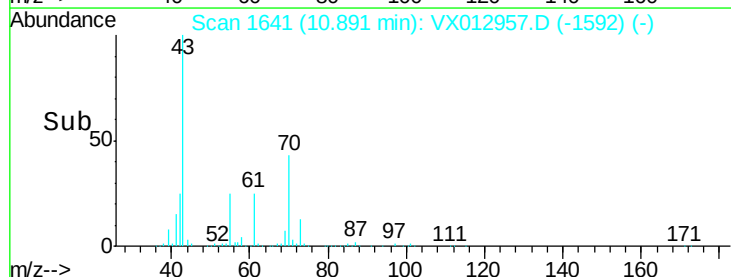
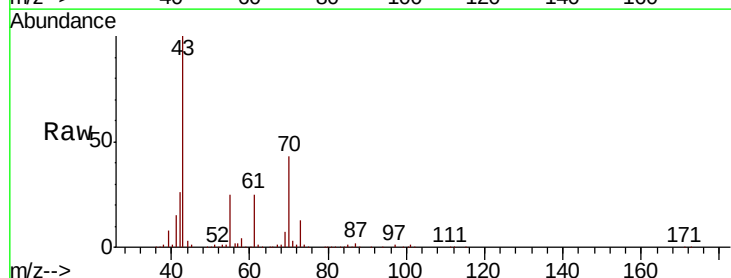
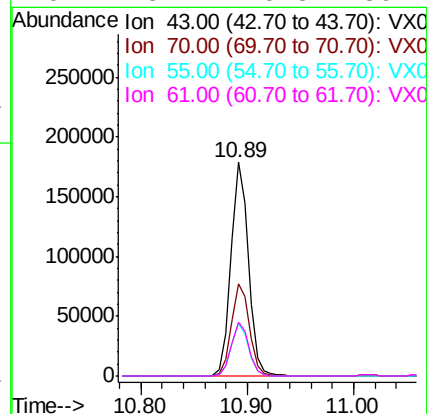
Ion Ratio Lower Upper

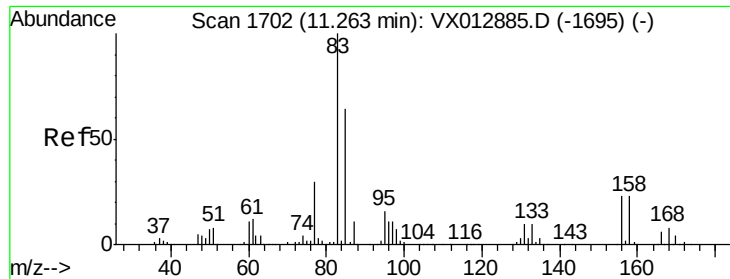
43 100

70 44.4 36.4 54.6

55 24.6 20.2 30.2

61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.832 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

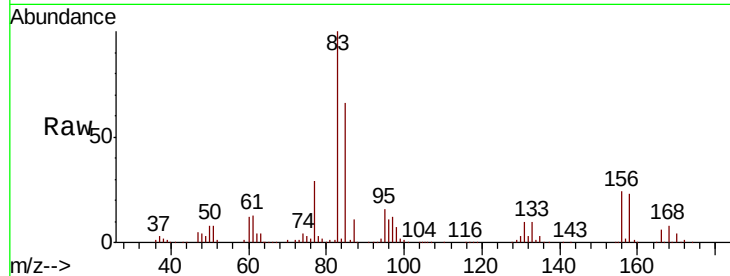
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	154680
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	63.7	32.1	96.5

Manual Integrations
APPROVED

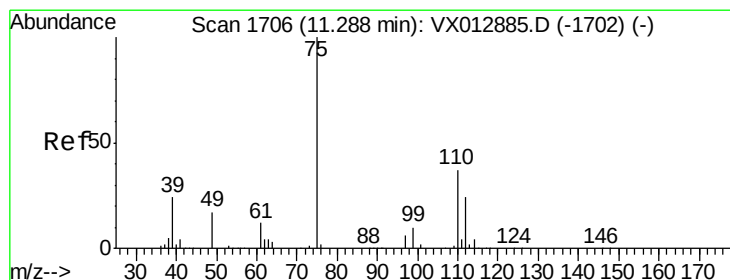
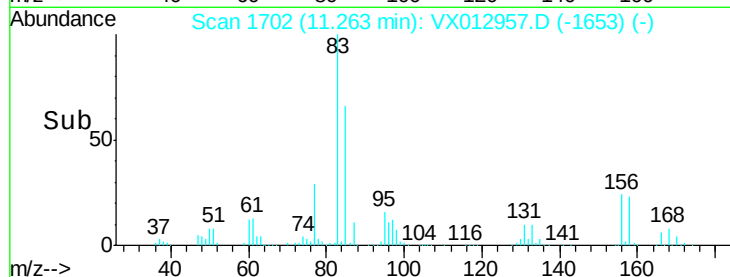
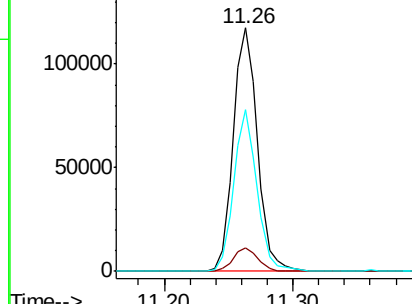
MMDadoda
10/10/2019 9:04:25 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.384 ug/l m

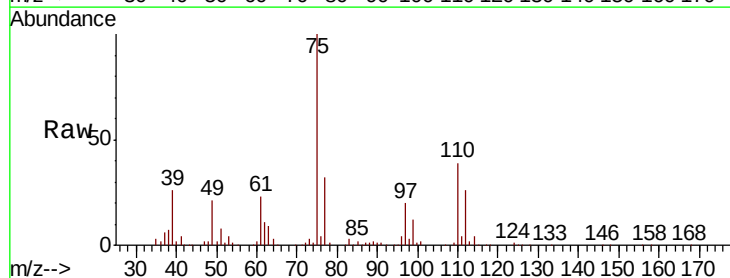
RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX012957.D

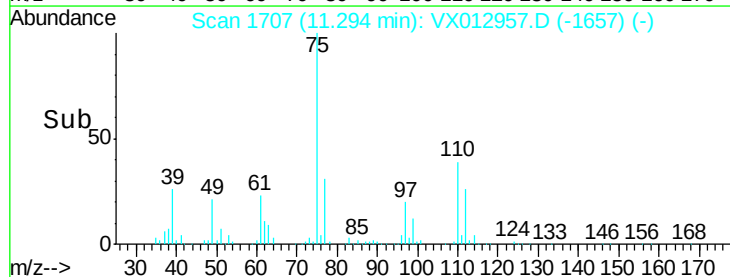
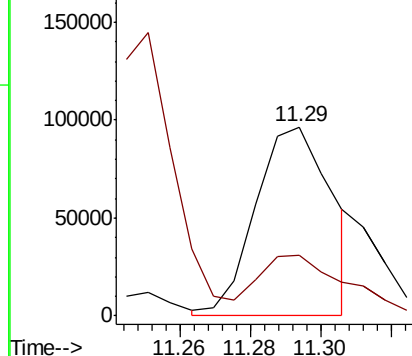
Acq: 09 Oct 2019 21:11

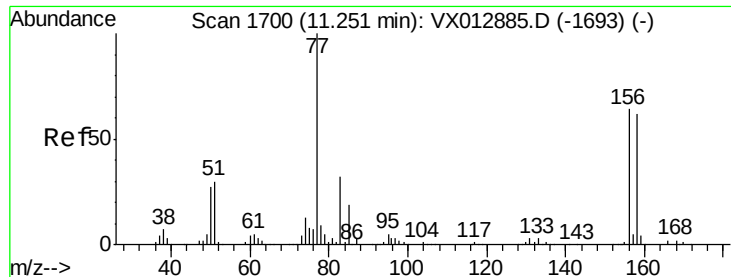
Tgt Ion:	75	Resp:	144419
Ion Ratio	Lower	Upper	
75	100		
77	36.9	22.9	68.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.048 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Instrument :

MSVOA_X

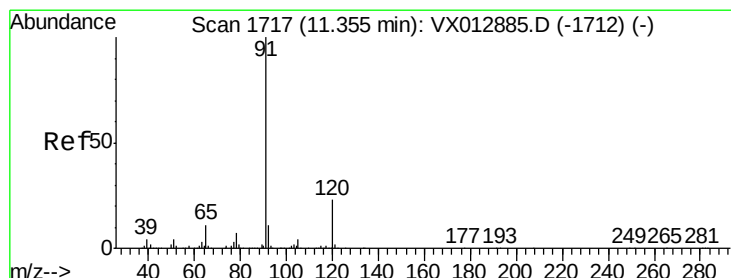
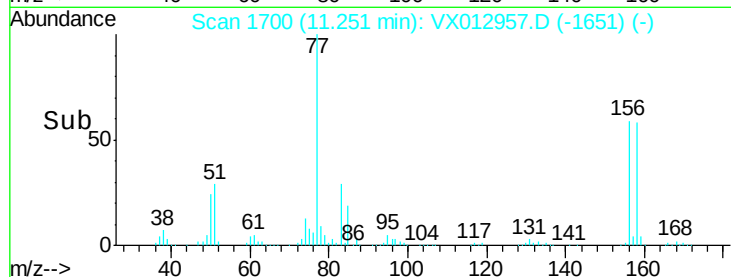
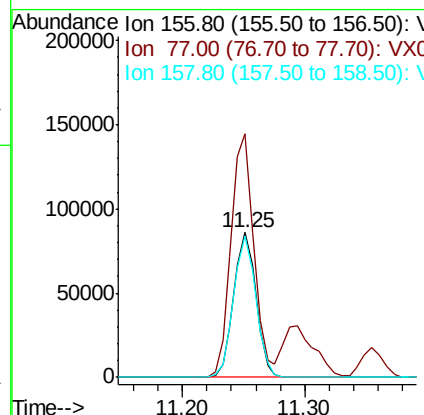
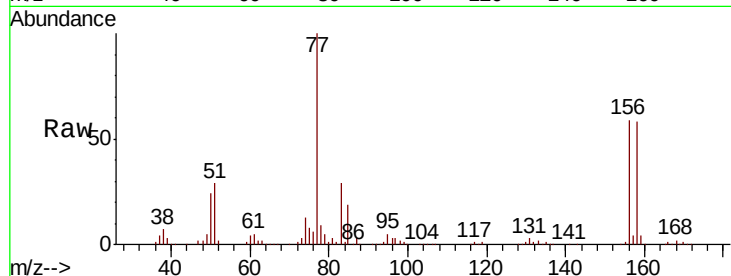
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.4	83.7	251.0
158	97.9	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM



#78

n-propylbenzene

Concen: 53.572 ug/l

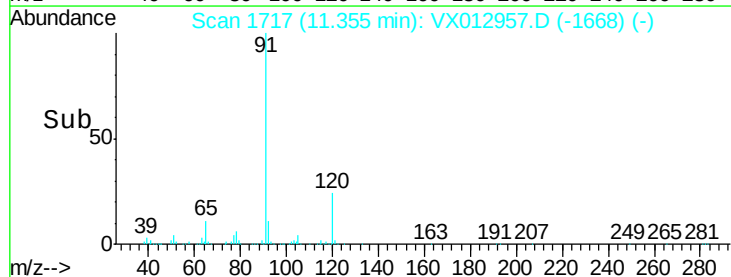
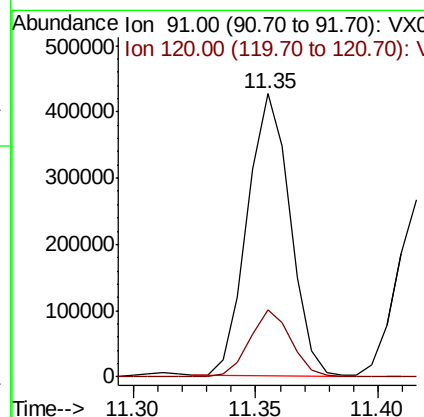
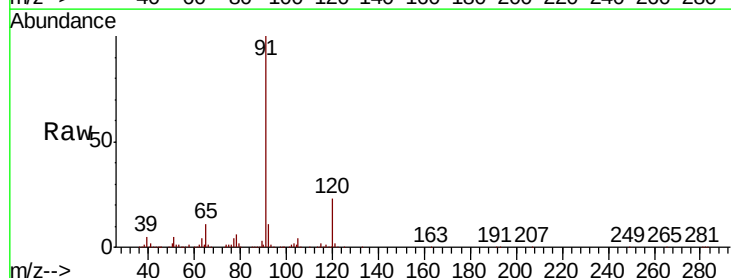
RT: 11.35 min Scan# 1717

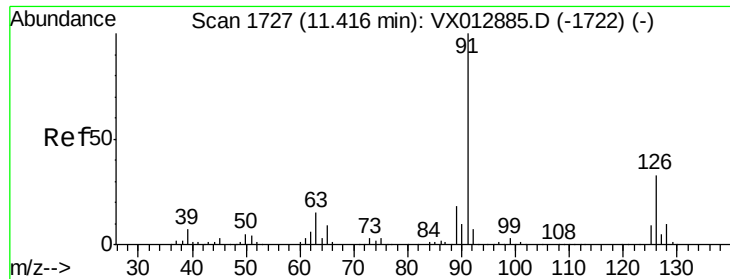
Delta R.T. -0.00 min

Lab File: VX012957.D

Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.7	35.1





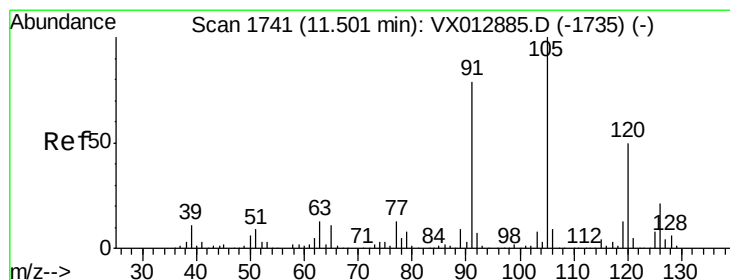
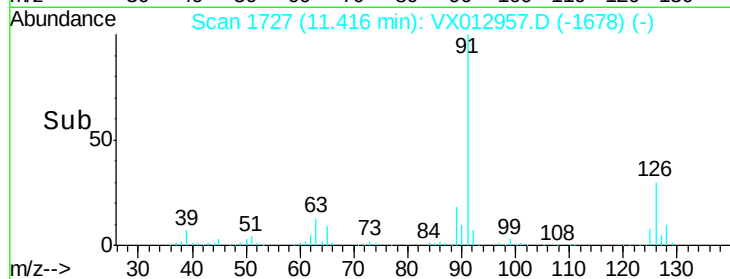
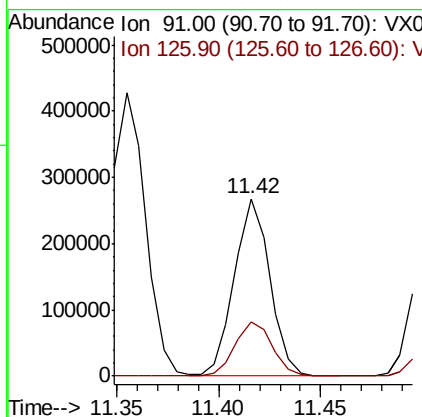
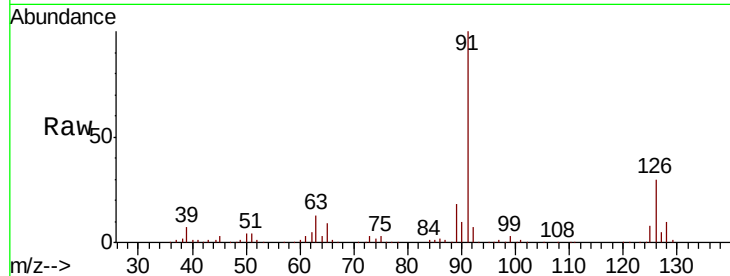
#79
 2-Chlorotoluene
 Concen: 53.134 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 323450
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.8

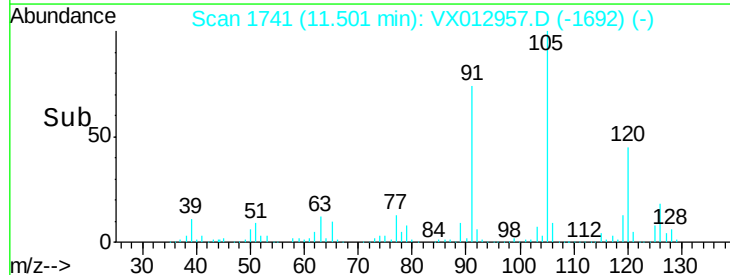
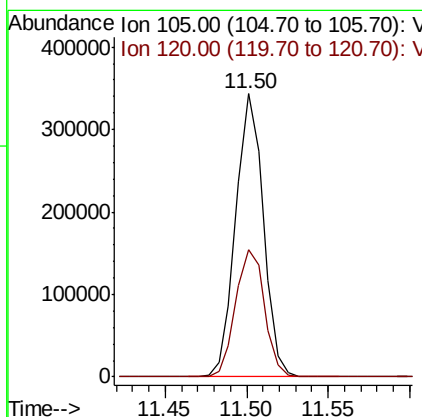
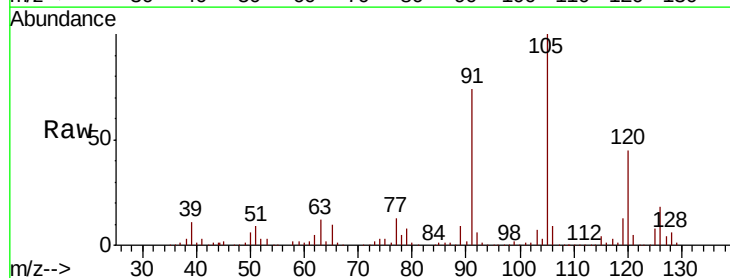
Manual Integrations
 APPROVED

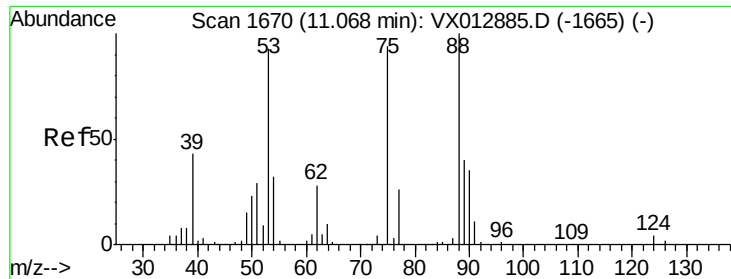
MMDadoda
 10/10/2019 9:04:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.147 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion: 105 Resp: 405343
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.8 74.3





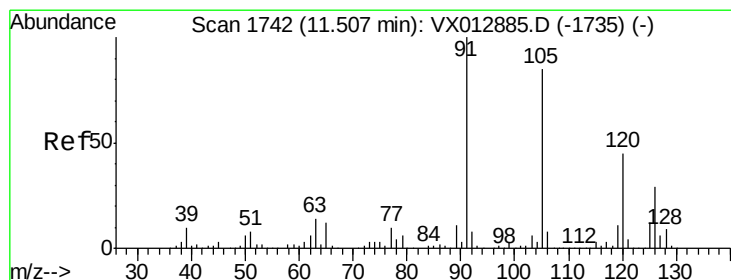
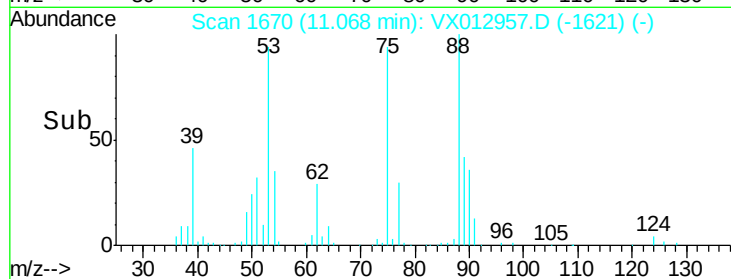
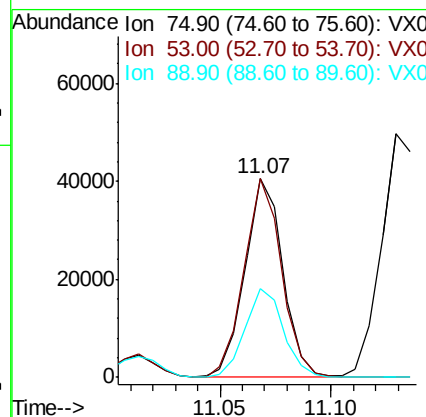
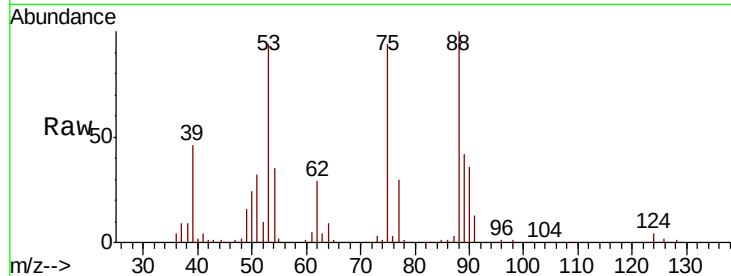
#81
trans-1,4-Dichloro-2-butene
Concen: 46.723 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	78.5	117.7
89	45.8	37.4	56.2

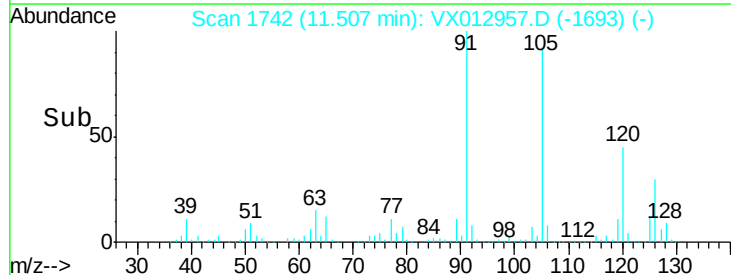
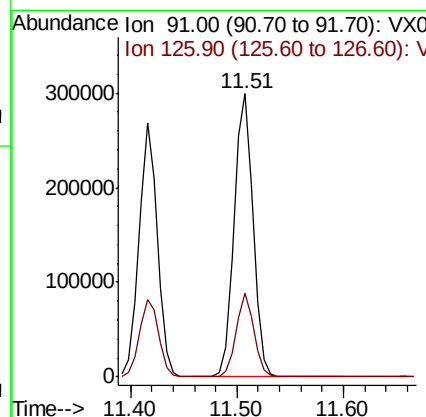
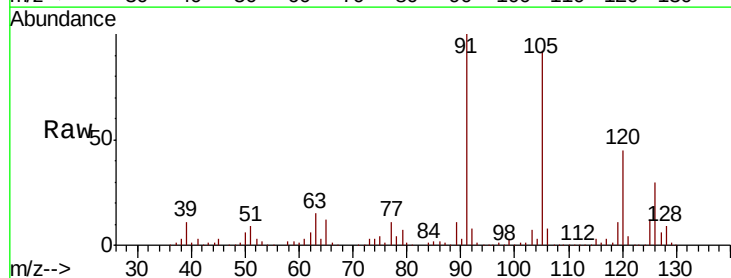
Manual Integrations
APPROVED

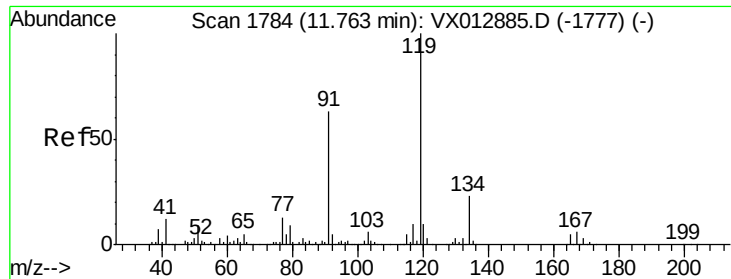
MMDadoda
10/10/2019 9:04:25 AM



#82
4-Chlorotoluene
Concen: 53.671 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.2	42.6





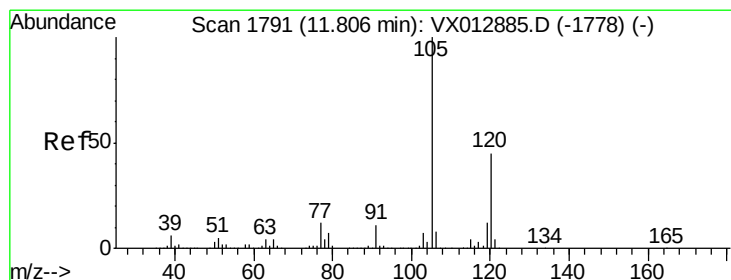
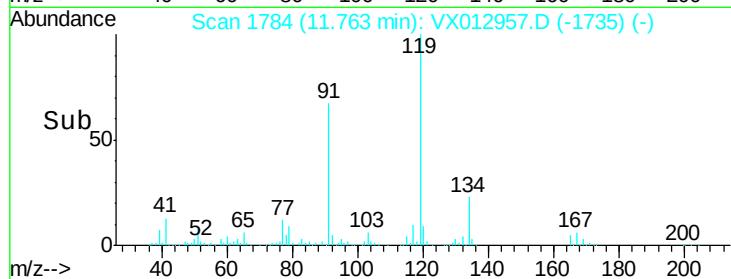
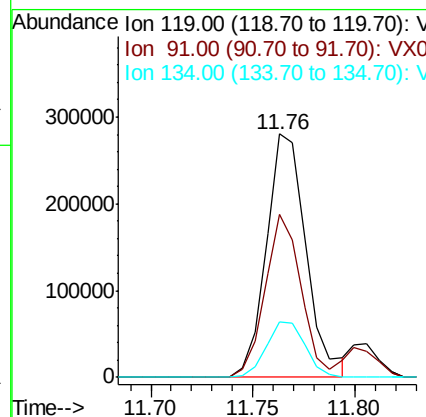
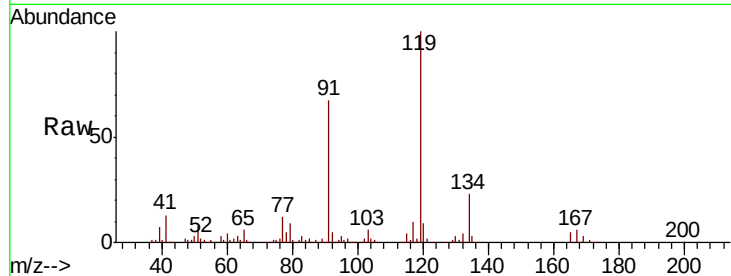
#83
 tert-Butylbenzene
 Concen: 53.054 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	60.7	29.3	87.9	
134	22.5	11.5	34.4	

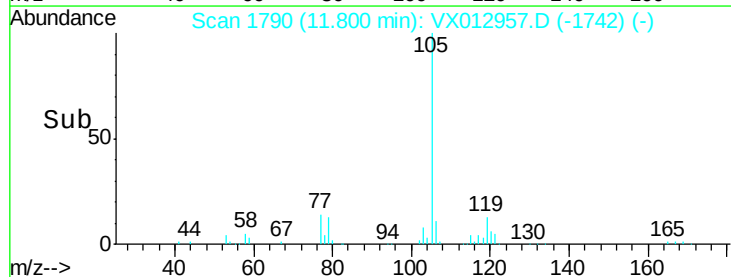
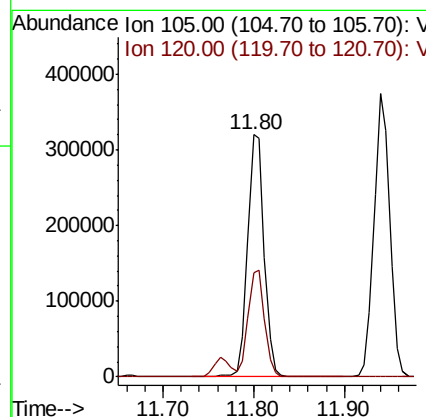
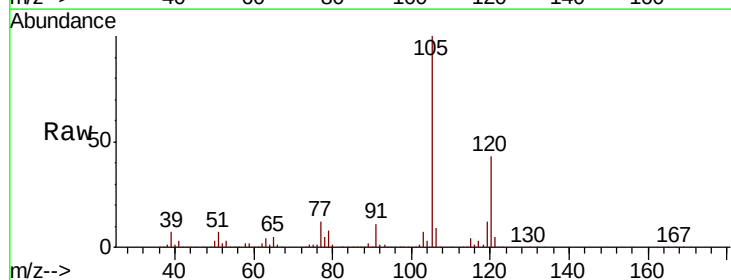
Manual Integrations
 APPROVED

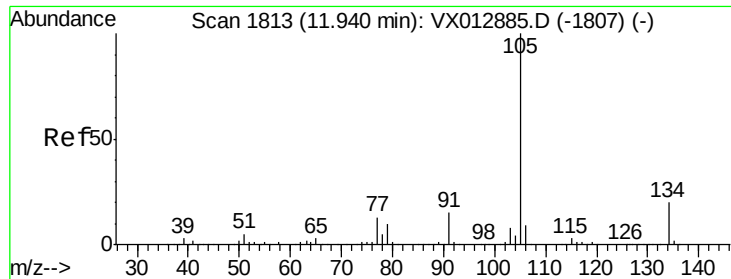
MMDadoda
 10/10/2019 9:04:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.127 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	43.9	21.8	65.3	





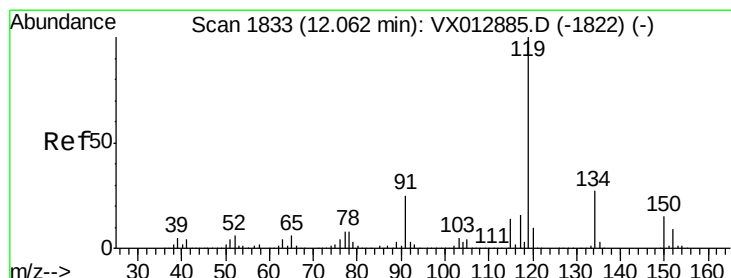
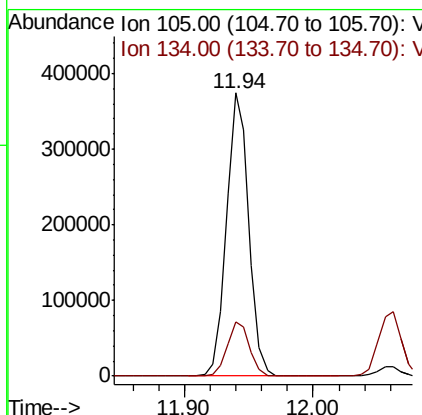
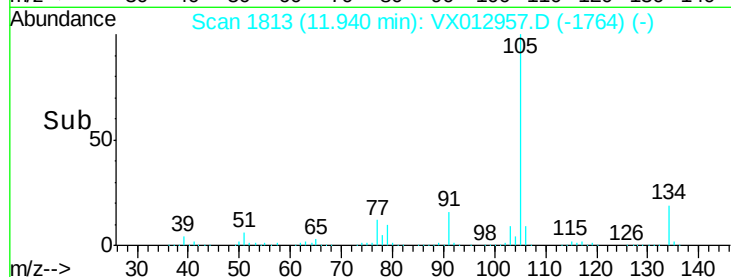
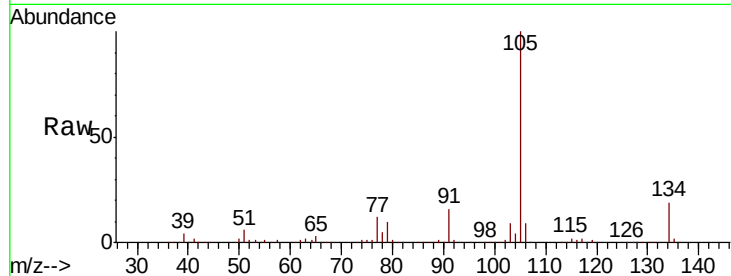
#85
 sec-Butylbenzene
 Concen: 54.469 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 452464
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.0 30.0

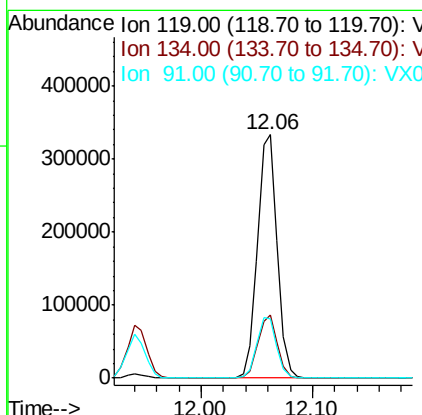
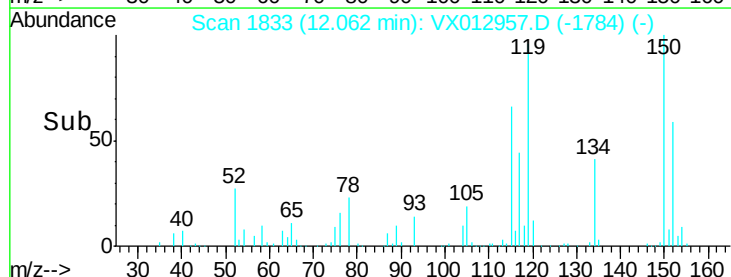
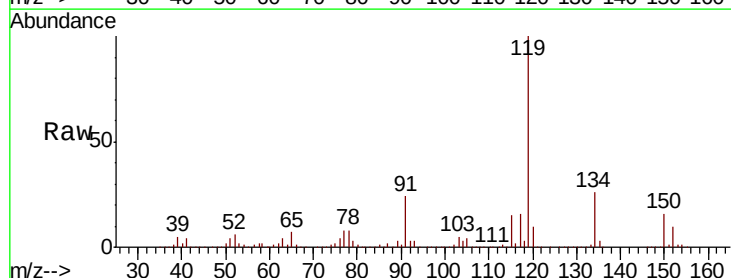
Manual Integrations
 APPROVED

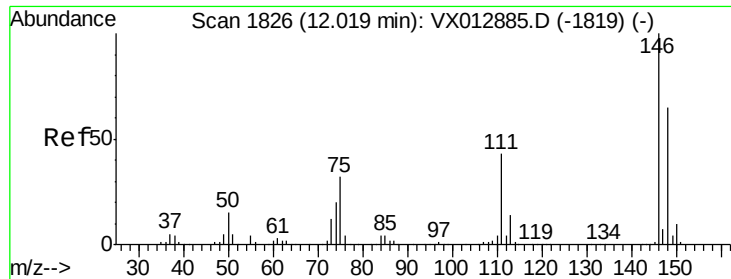
MMDadoda
 10/10/2019 9:04:25 AM



#86
 p-Isopropyltoluene
 Concen: 53.464 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion:119 Resp: 411896
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 25.0 12.4 37.4





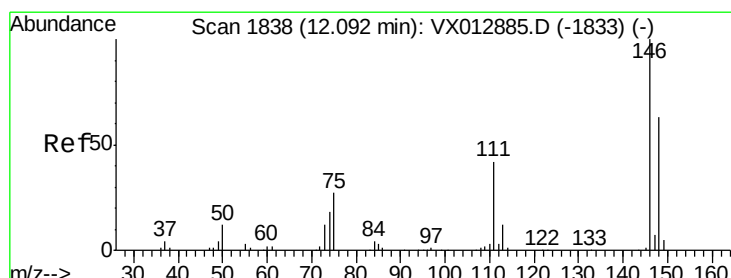
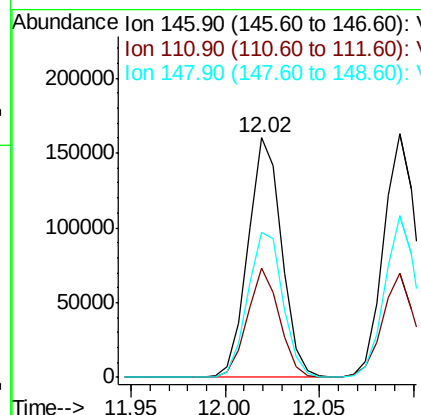
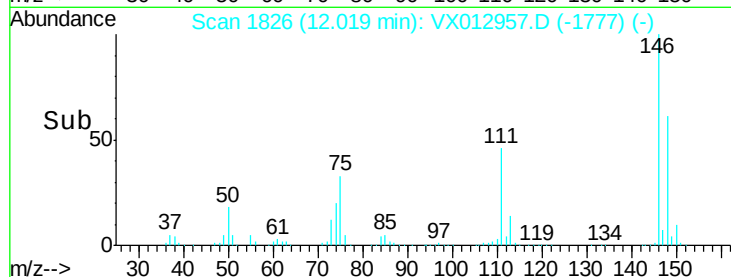
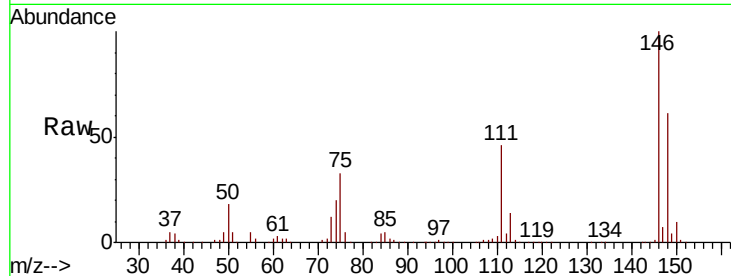
#87
 1,3-Dichlorobenzene
 Concen: 51.358 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.4
148	63.4	31.6	95.0

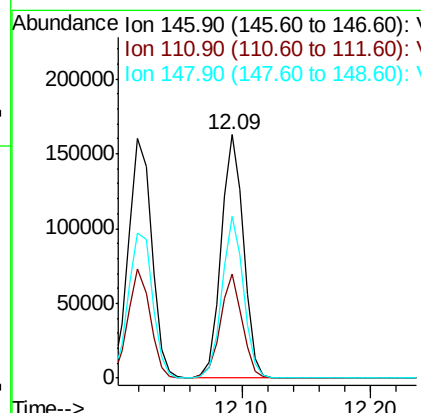
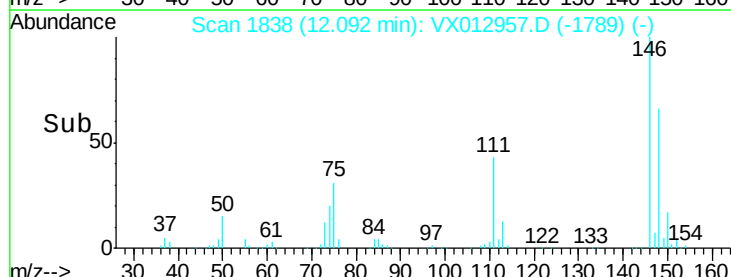
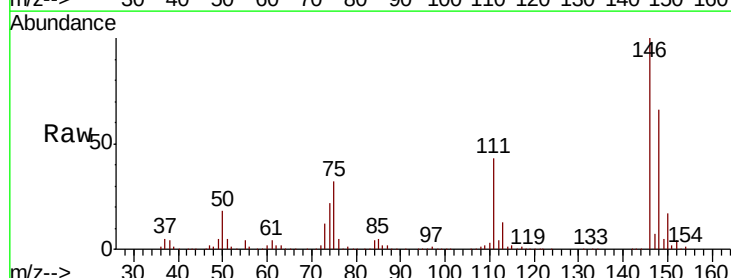
Manual Integrations
 APPROVED

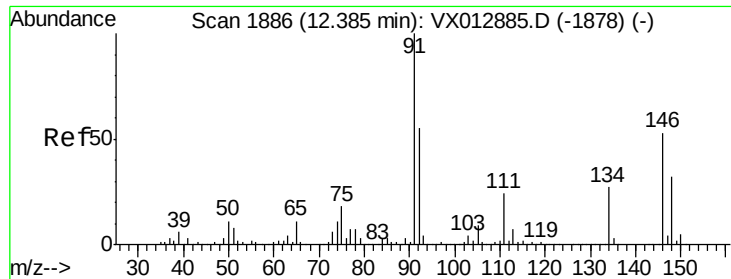
MMDadoda
 10/10/2019 9:04:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.097 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.3
148	64.1	32.1	96.5





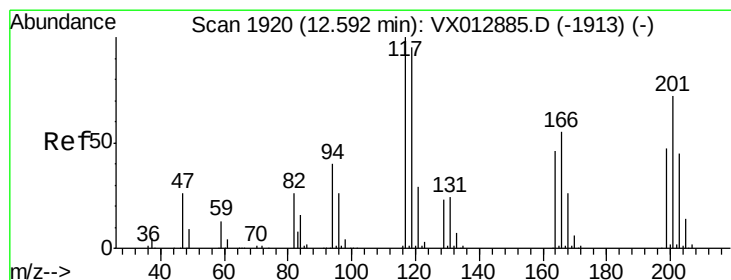
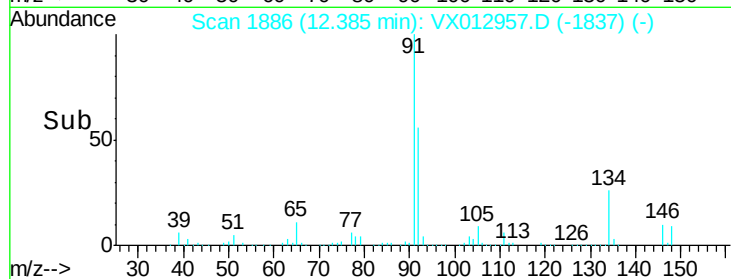
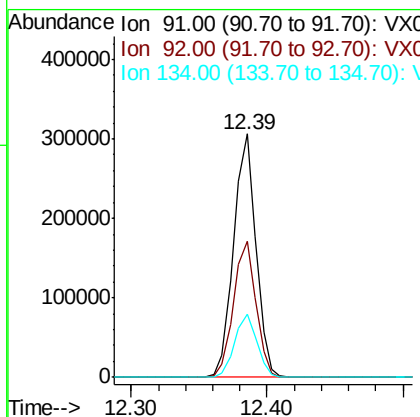
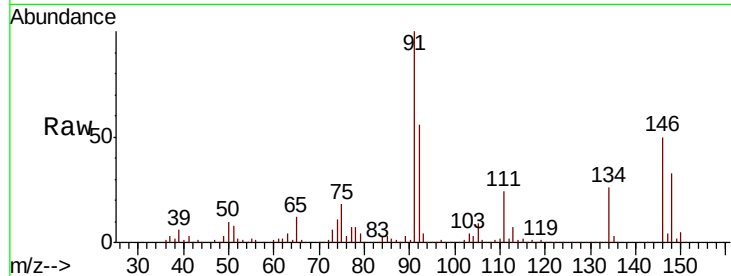
#89
n-Butylbenzene
Concen: 53.936 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.4	27.5	82.5
134	26.0	12.9	38.7

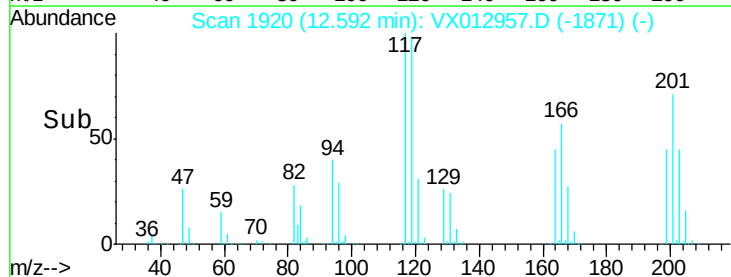
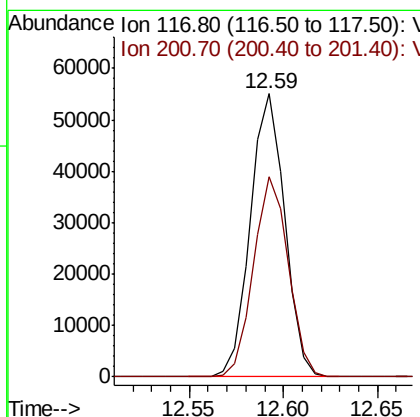
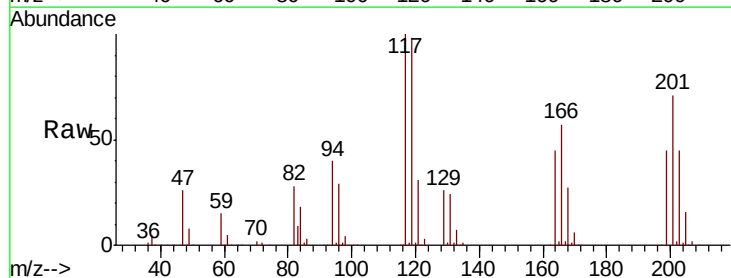
Manual Integrations
APPROVED

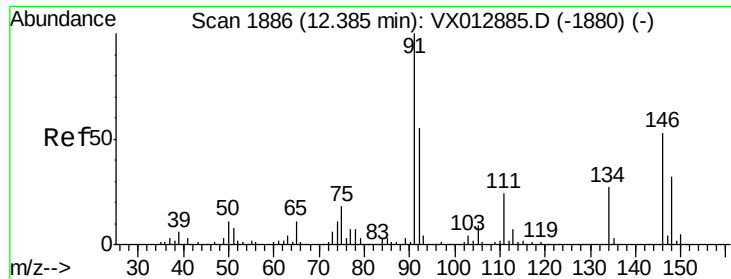
MMDadoda
10/10/2019 9:04:25 AM



#90
Hexachloroethane
Concen: 48.927 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	36.9	110.7





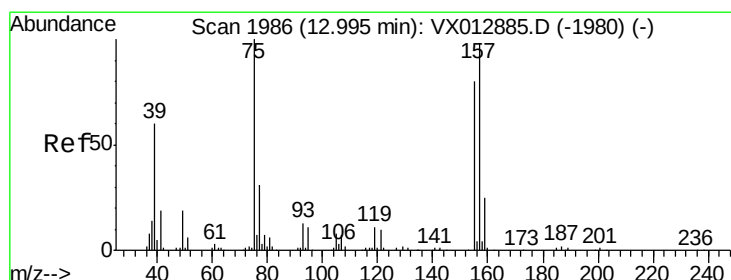
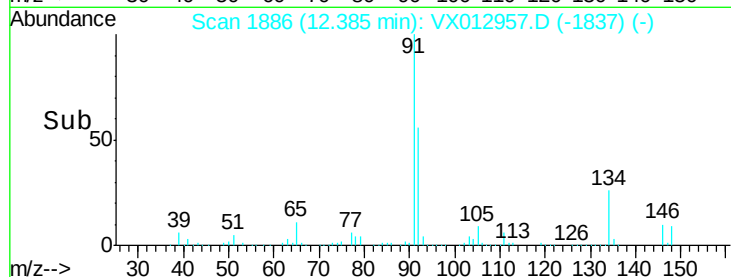
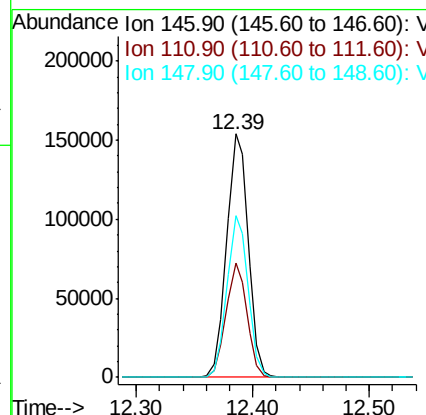
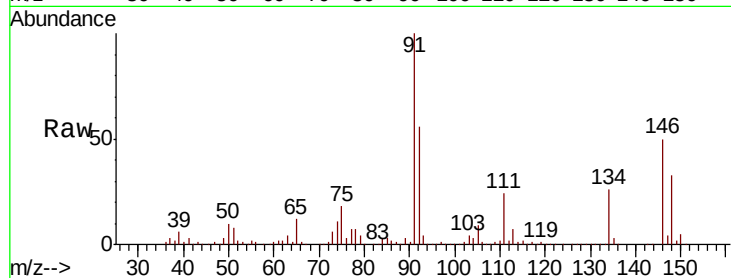
#91
 1,2-Dichlorobenzene
 Concen: 52.050 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.0
148	64.9	31.6	94.7

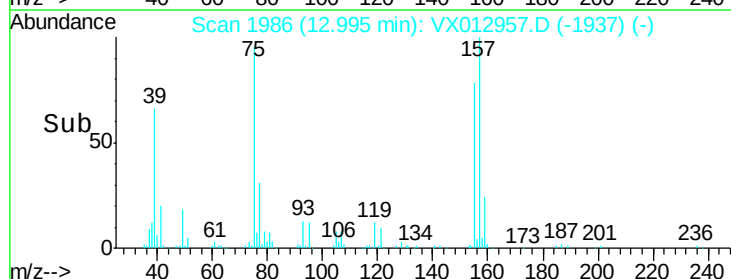
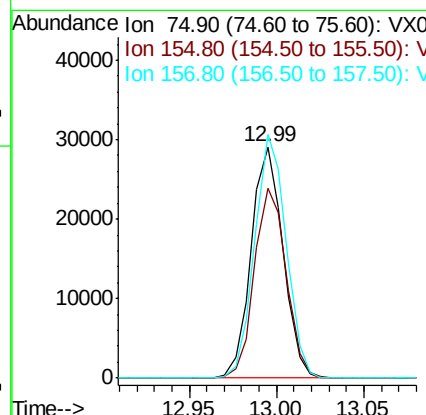
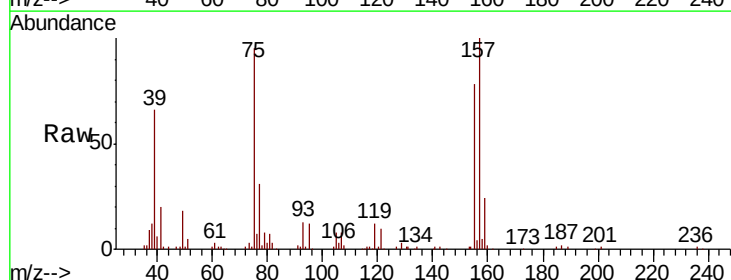
Manual Integrations
 APPROVED

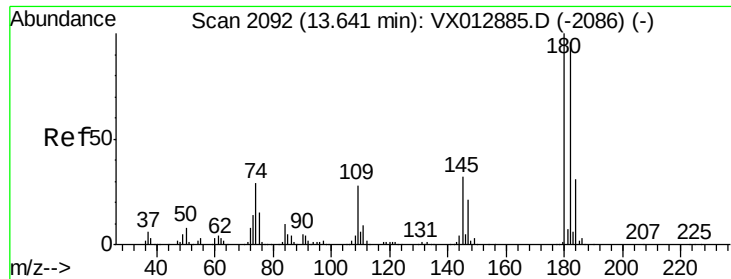
MMDadoda
 10/10/2019 9:04:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.468 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	43.0	128.8
157	104.5	54.1	162.3





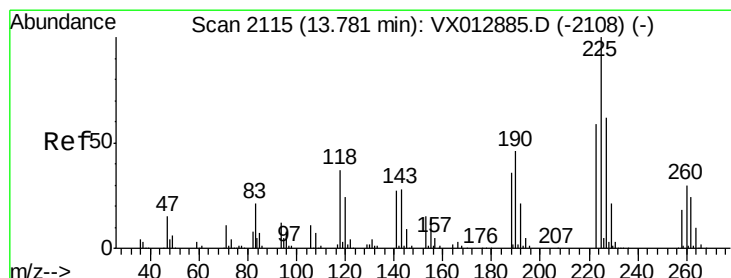
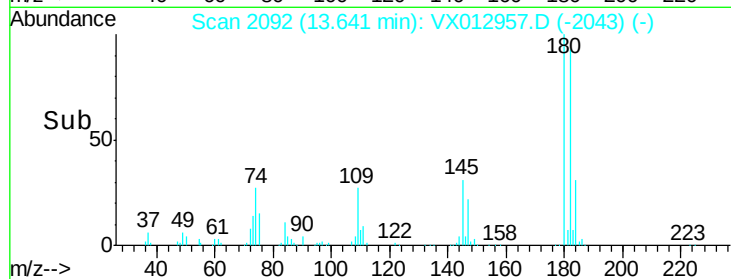
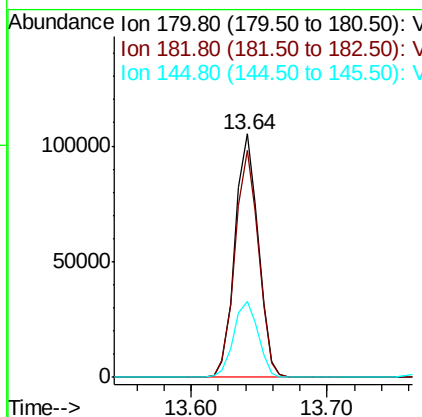
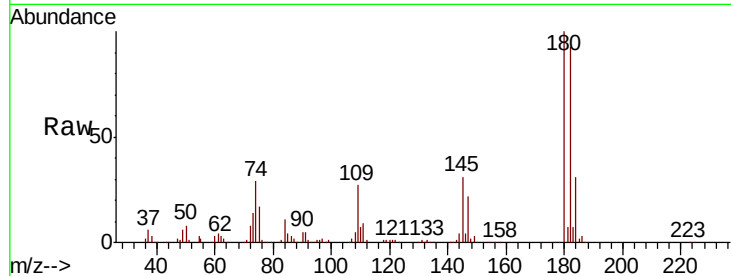
#93
 1,2,4-Trichlorobenzene
 Concen: 53.175 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125790		
182	93.9	46.8	140.4	
145	32.8	16.2	48.6	

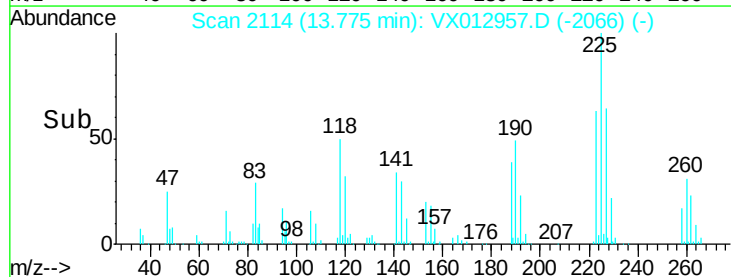
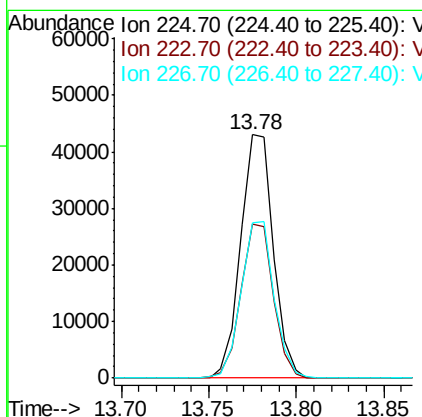
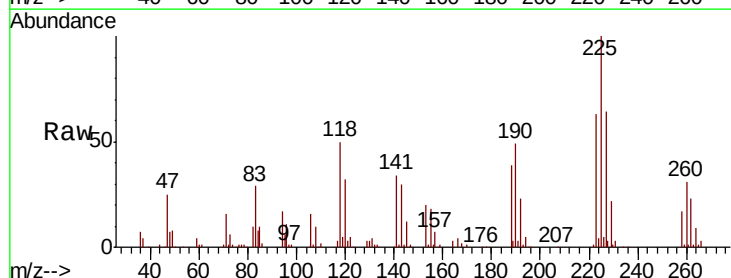
Manual Integrations
 APPROVED

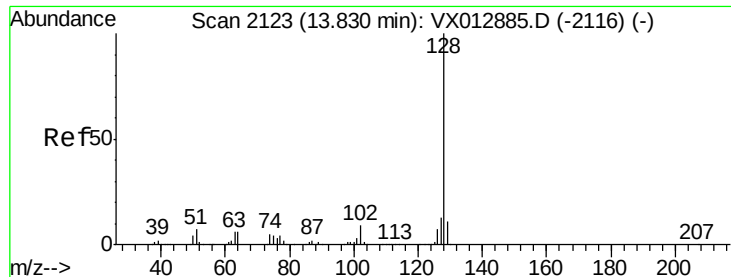
MMDadoda
 10/10/2019 9:04:25 AM



#94
 Hexachlorobutadiene
 Concen: 51.059 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012957.D
 Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55743		
223	62.8	31.1	93.2	
227	64.8	32.3	96.9	





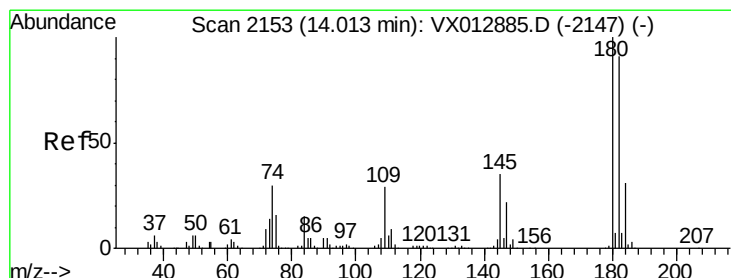
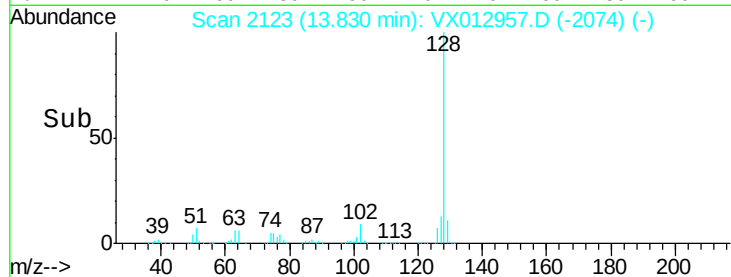
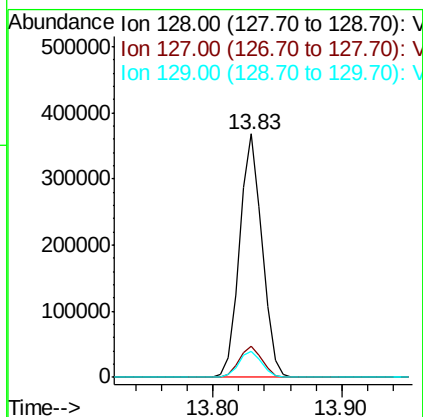
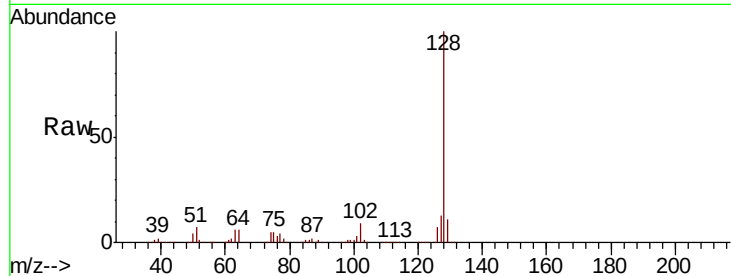
#95
Naphthalene
Concen: 54.028 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/10/2019 9:04:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.762 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012957.D
Acq: 09 Oct 2019 21:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.5
145	35.3	17.4	52.3

