

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012856.D
 Acq On : 07 Oct 2019 22:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:11 PM

Quant Time: Oct 08 12:36:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	117954	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	5.49	113	95892	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	8.71	98	354139	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.14	95	141957	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	75691	38.411	ug/l	95
3) Chloromethane	1.31	50	85243	37.672	ug/l	98
4) Vinyl Chloride	1.40	62	95938	42.656	ug/l	98
5) Bromomethane	1.62	94	33761	38.179	ug/l	99
6) Chloroethane	1.70	64	62566	41.265	ug/l	100
7) Trichlorofluoromethane	1.91	101	135531	42.920	ug/l	100
8) Diethyl Ether	2.18	74	59421	45.918	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	88922	46.234	ug/l	97
10) Methyl Iodide	2.50	142	67874	35.133	ug/l	93
11) Tert butyl alcohol	3.04	59	148504	233.063	ug/l	99
12) 1,1-Dichloroethene	2.36	96	89929	47.751	ug/l	95
13) Acrolein	2.28	56	73200	208.018	ug/l	100
14) Allyl chloride	2.72	41	169001	45.230	ug/l	95
15) Acrylonitrile	3.13	53	308914	238.965	ug/l	98
16) Acetone	2.44	43	259845	192.326	ug/l	93
17) Carbon Disulfide	2.56	76	217701	41.233	ug/l	99
18) Methyl Acetate	2.76	43	157526	49.516	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	345948	48.530	ug/l	97
20) Methylene Chloride	2.84	84	106390	46.557	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	95544	45.793	ug/l	97
22) Diisopropyl ether	3.84	45	343078	47.518	ug/l	96
23) Vinyl Acetate	3.80	43	1470077	232.183	ug/l	97
24) 1,1-Dichloroethane	3.69	63	186050	47.407	ug/l	98
25) 2-Butanone	4.66	43	421945	217.809	ug/l	94
26) 2,2-Dichloropropane	4.57	77	135668	38.868	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	115107	47.546	ug/l	93
28) Bromochloromethane	5.00	49	64658	45.374	ug/l	95
29) Tetrahydrofuran	5.11	42	272344	230.654	ug/l	95
30) Chloroform	5.20	83	188528	46.954	ug/l	97
31) Cyclohexane	5.57	56	157276	44.298	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	164136	46.125	ug/l	98
36) 1,1-Dichloropropene	5.79	75	137756	46.957	ug/l	98
37) Ethyl Acetate	4.82	43	161112	46.975	ug/l	97
38) Carbon Tetrachloride	5.78	117	137300	46.072	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012856.D
 Acq On : 07 Oct 2019 22:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:11 PM

Quant Time: Oct 08 12:36:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	161075	45.608	ug/l	95
40) Benzene	6.13	78	419099	48.554	ug/l	100
41) Methacrylonitrile	5.03	41	93557	48.618	ug/l	95
42) 1,2-Dichloroethane	6.18	62	153132	46.718	ug/l	97
43) Isopropyl Acetate	6.43	43	268070	46.738	ug/l	97
44) Trichloroethene	7.21	130	105933	48.006	ug/l	95
45) 1,2-Dichloropropane	7.51	63	107528	48.657	ug/l	100
46) Dibromomethane	7.65	93	71716	47.664	ug/l	100
47) Bromodichloromethane	7.89	83	146126	48.592	ug/l	97
48) Methyl methacrylate	7.76	41	129481	47.080	ug/l	92
49) 1,4-Dioxane	7.73	88	58823	942.985	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	841186	237.589	ug/l	95
52) Toluene	8.78	92	263638	48.596	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	160276	48.172	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	174956	48.161	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	109130	50.597	ug/l	98
56) Ethyl methacrylate	9.17	69	183084	50.527	ug/l	91
57) 1,3-Dichloropropane	9.37	76	187263	49.608	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	426070	261.955	ug/l	100
59) 2-Hexanone	9.49	43	652611	240.812	ug/l	94
60) Dibromochloromethane	9.58	129	113293	51.889	ug/l	99
61) 1,2-Dibromoethane	9.67	107	113290	50.470	ug/l	100
64) Tetrachloroethene	9.33	164	95866	50.323	ug/l	94
65) Chlorobenzene	10.14	112	280231	48.705	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	105146	50.438	ug/l	98
67) Ethyl Benzene	10.25	91	514503	49.303	ug/l	99
68) m/p-Xylenes	10.35	106	380903	97.438	ug/l	99
69) o-Xylene	10.70	106	188816	49.917	ug/l	98
70) Styrene	10.71	104	323754	51.055	ug/l	99
71) Bromoform	10.85	173	78223	53.888	ug/l #	97
73) Isopropylbenzene	11.01	105	503033	47.658	ug/l	100
74) N-amyl acetate	10.89	43	241249	47.910	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	172908	49.464	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	159842m	46.627	ug/l	
77) Bromobenzene	11.25	156	115990	48.554	ug/l	98
78) n-propylbenzene	11.35	91	569743	47.946	ug/l	100
79) 2-Chlorotoluene	11.42	91	343198	46.297	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	430613	48.650	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52668	44.029	ug/l	95
82) 4-Chlorotoluene	11.51	91	398334	47.138	ug/l	99
83) tert-Butylbenzene	11.76	119	415406	48.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	429655	48.119	ug/l	99
85) sec-Butylbenzene	11.94	105	486173	48.956	ug/l	99
86) p-Isopropyltoluene	12.06	119	442536	49.386	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	216178	50.285	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	213762	49.207	ug/l	99
89) n-Butylbenzene	12.39	91	367438	46.534	ug/l	99
90) Hexachloroethane	12.59	117	74992	46.942	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	215879	50.158	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41673	47.657	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012856.D
Acq On : 07 Oct 2019 22:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

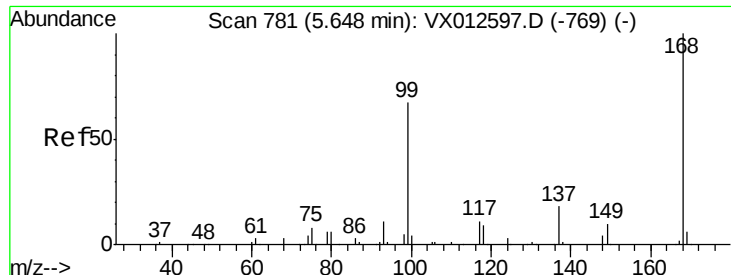
Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM

Quant Time: Oct 08 12:36:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	135042	51.448	ug/l	99
94) Hexachlorobutadiene	13.78	225	57478	50.902	ug/l	99
95) Naphthalene	13.83	128	478533	50.390	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	134187	51.035	ug/l	100

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



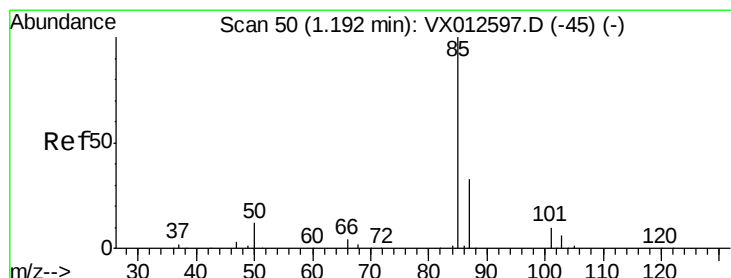
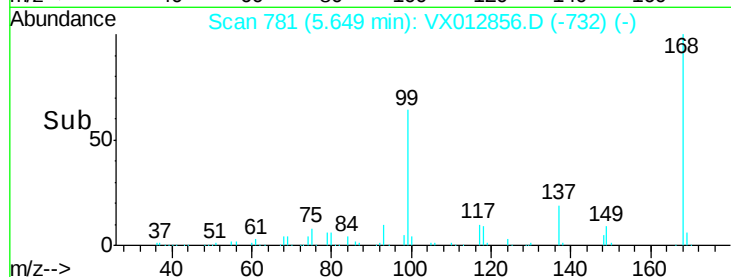
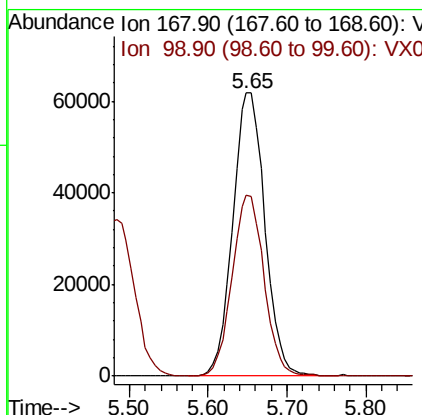
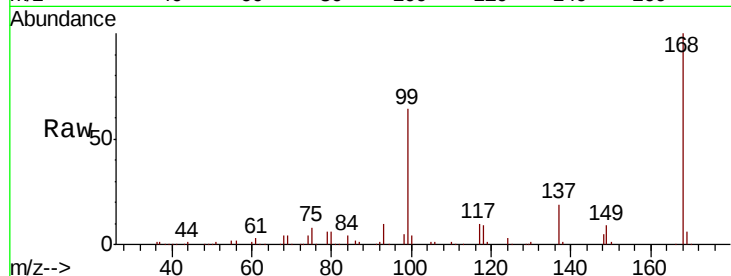
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.9	51.4	77.2

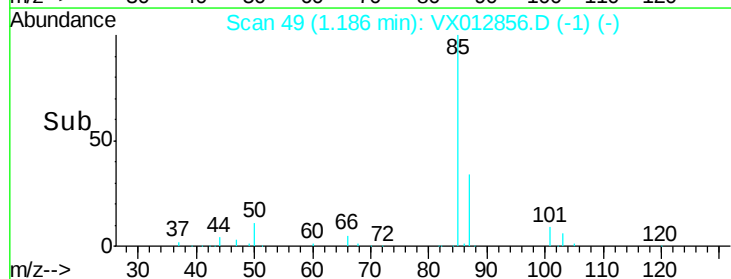
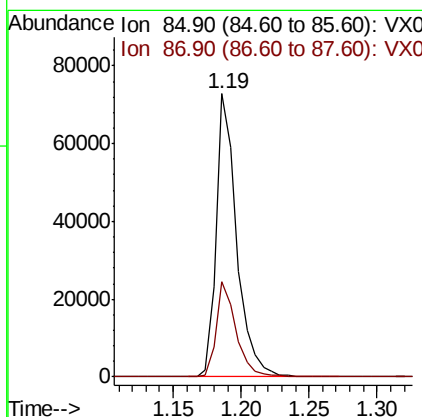
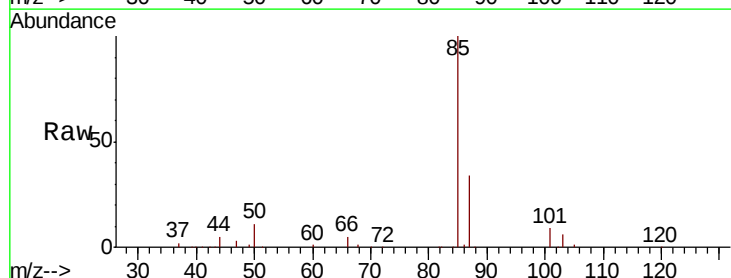
Manual Integrations
APPROVED

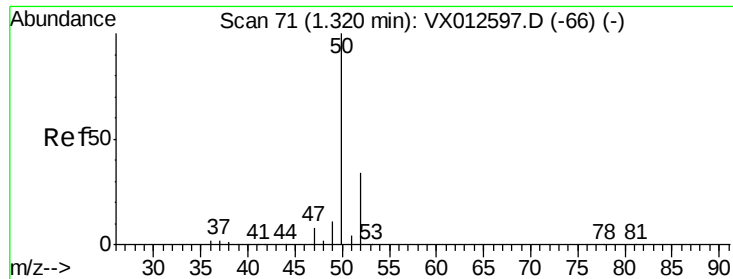
MMDadoda
10/8/2019 2:07:11 PM



#2
Dichlorodifluoromethane
Concen: 38.411 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.6	46.8





#3

Chloromethane

Concen: 37.672 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85243

Ion Ratio Lower Upper

50 100

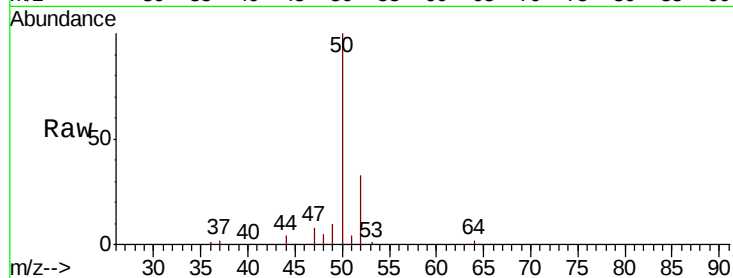
52 33.3 25.7 38.5

Manual Integrations

APPROVED

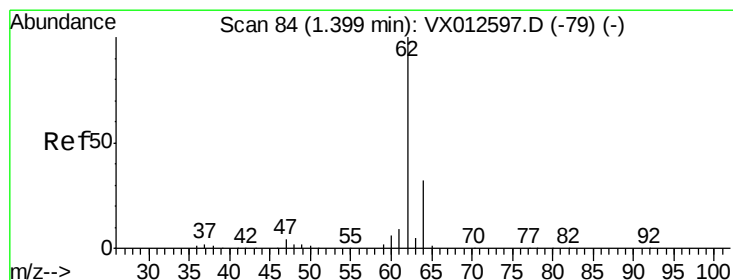
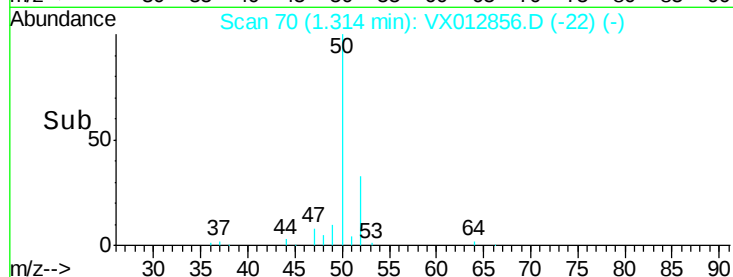
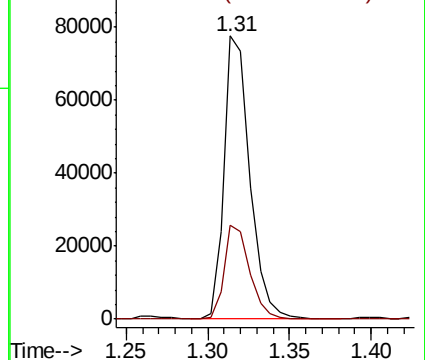
MMDadoda

10/8/2019 2:07:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.656 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012856.D

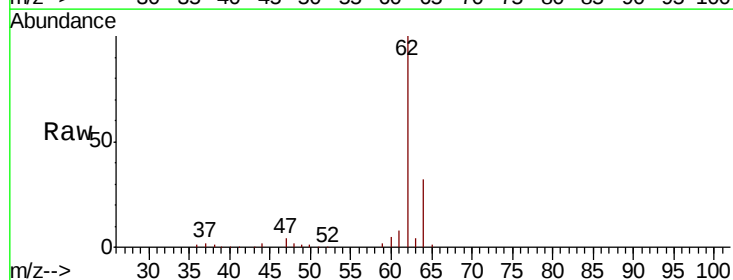
Acq: 07 Oct 2019 22:36

Tgt Ion: 62 Resp: 95938

Ion Ratio Lower Upper

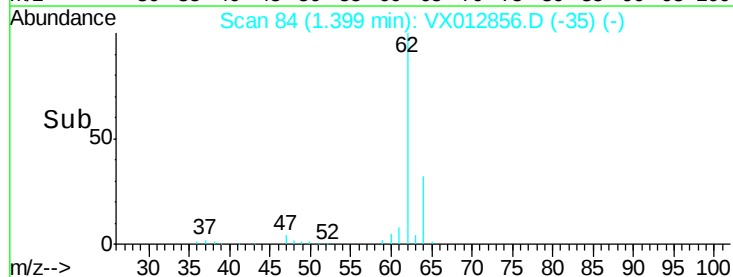
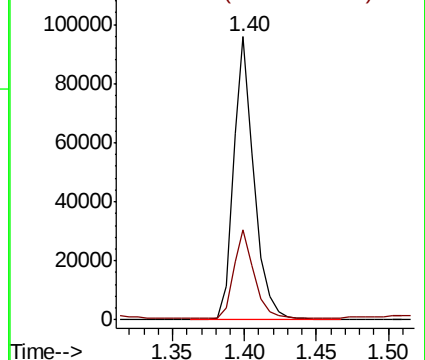
62 100

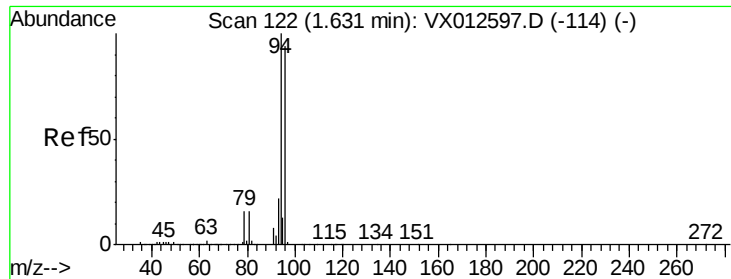
64 31.3 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 38.179 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 33761

Ion Ratio Lower Upper

94 100

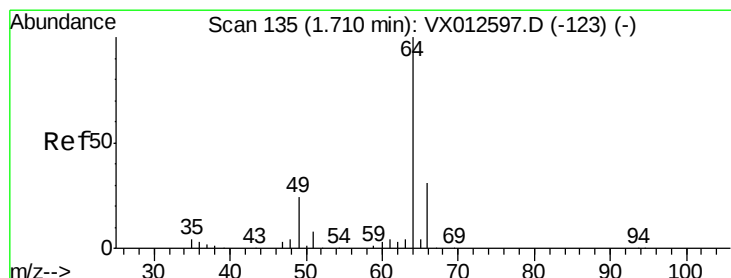
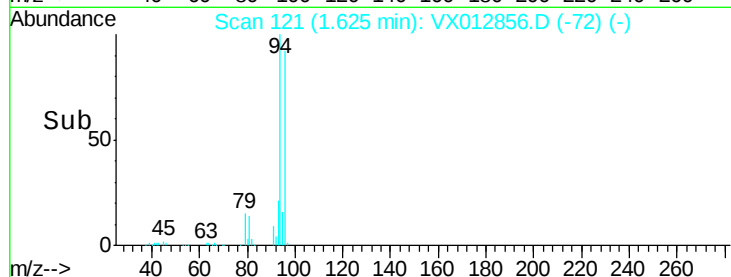
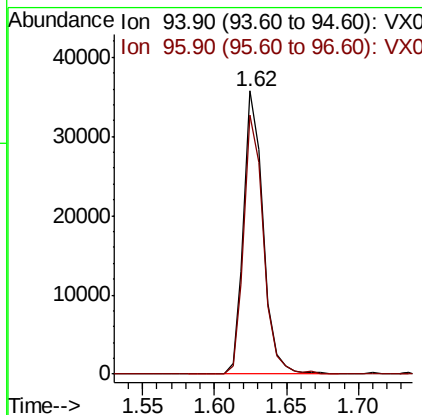
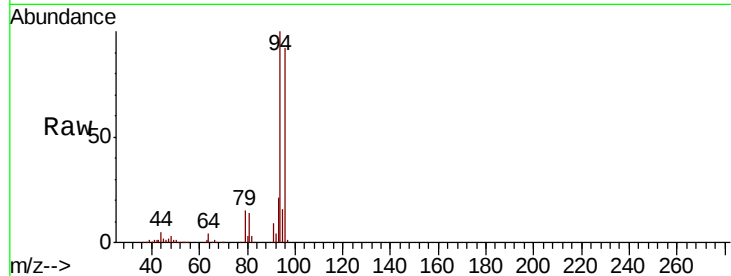
96 91.6 72.8 109.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:11 PM



#6

Chloroethane

Concen: 41.265 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012856.D

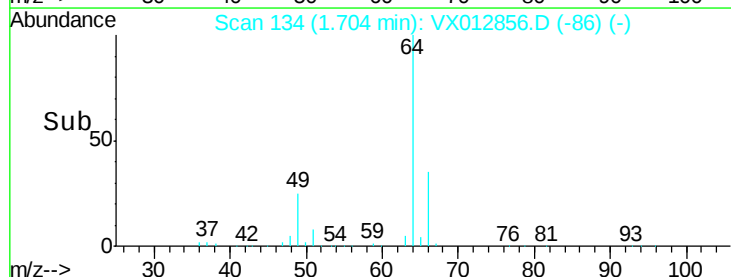
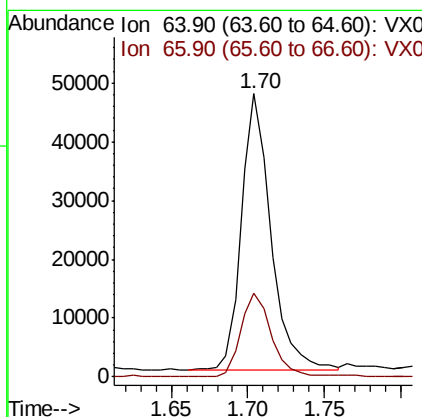
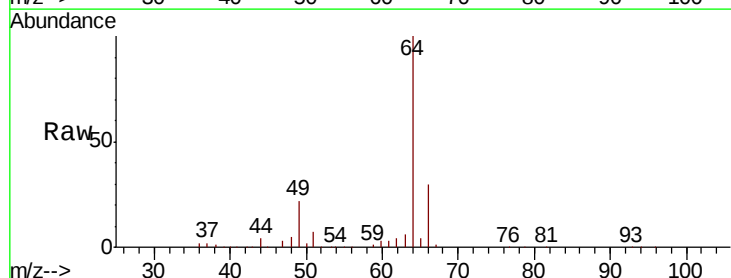
Acq: 07 Oct 2019 22:36

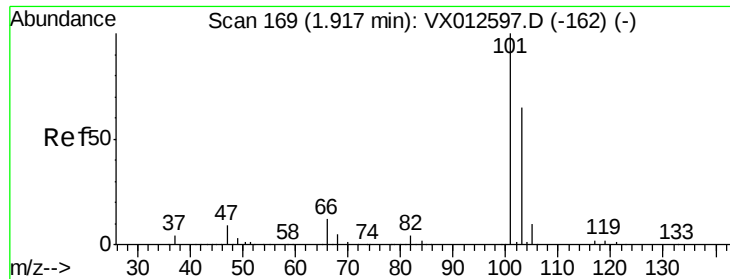
Tgt Ion: 64 Resp: 62566

Ion Ratio Lower Upper

64 100

66 29.9 24.0 36.0





#7

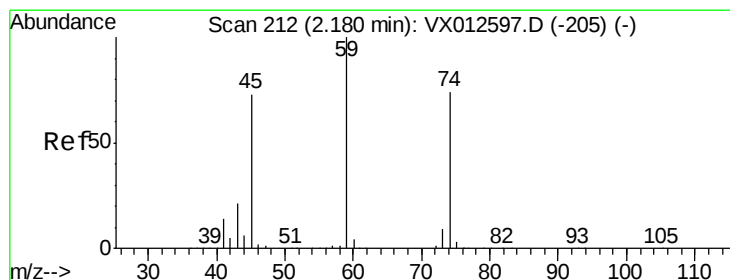
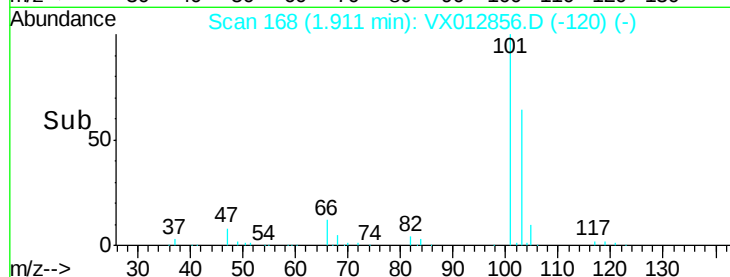
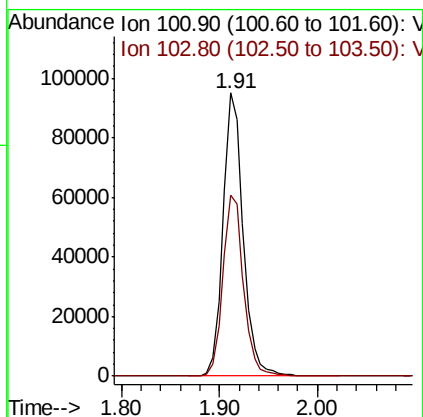
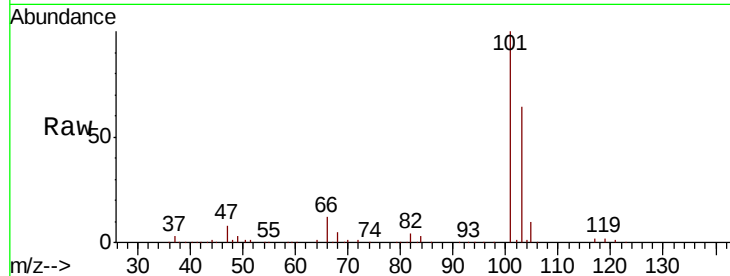
Trichlorofluoromethane
 Concen: 42.920 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 101 Resp: 135531
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.4

Manual Integrations
 APPROVED

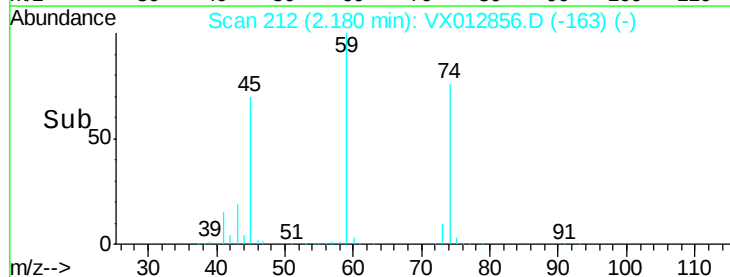
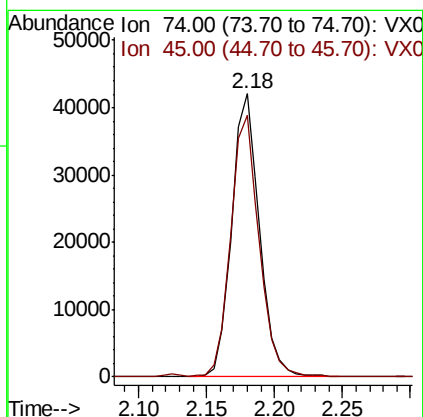
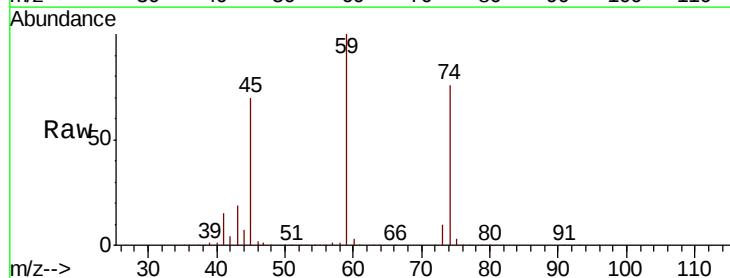
MMDadoda
 10/8/2019 2:07:11 PM

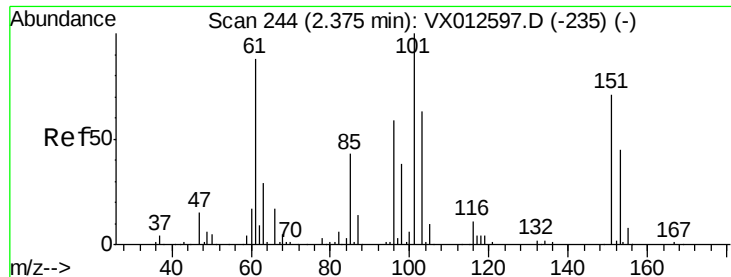


#8

Diethyl Ether
 Concen: 45.918 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion: 74 Resp: 59421
 Ion Ratio Lower Upper
 74 100
 45 95.2 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.234 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

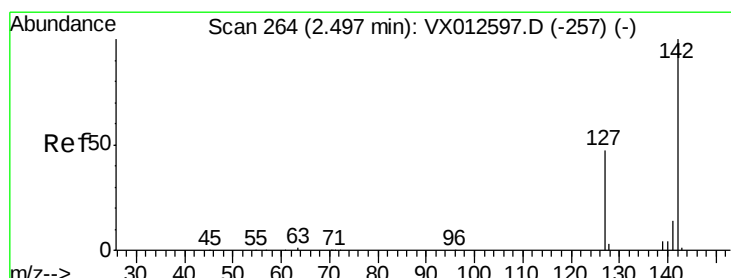
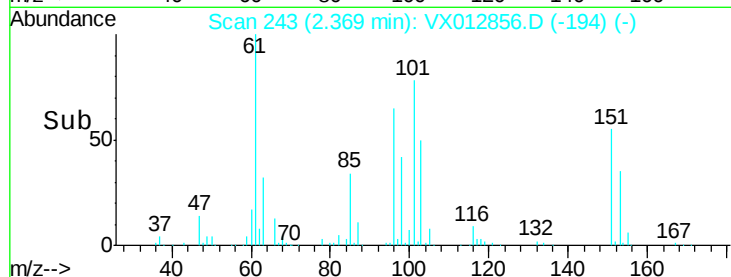
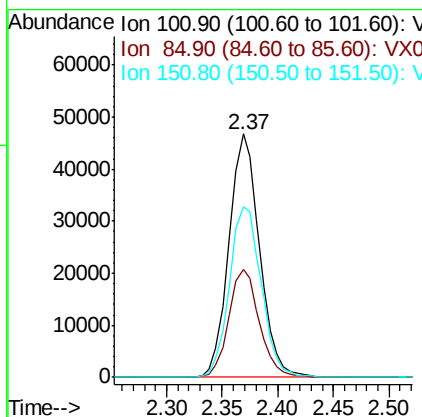
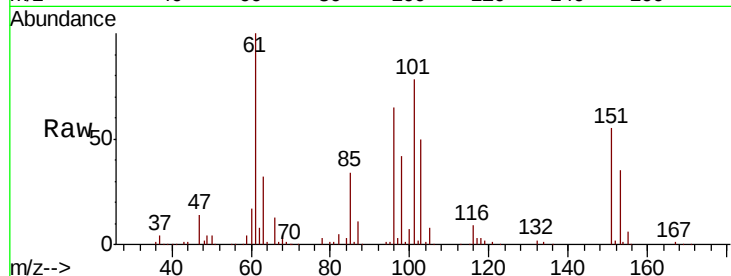
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	88922
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.3	55.9
151	73.4	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#10

Methyl Iodide

Concen: 35.133 ug/l

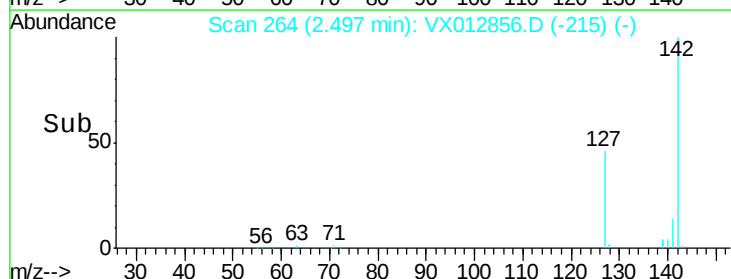
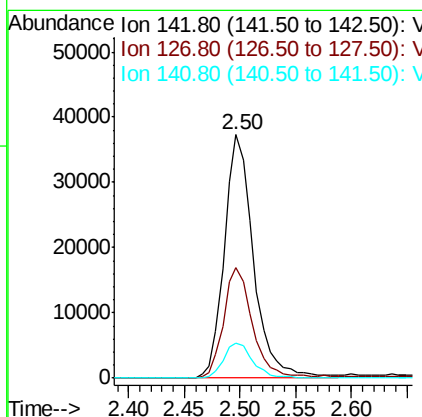
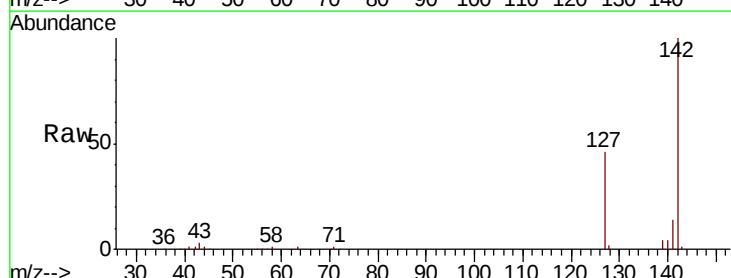
RT: 2.50 min Scan# 264

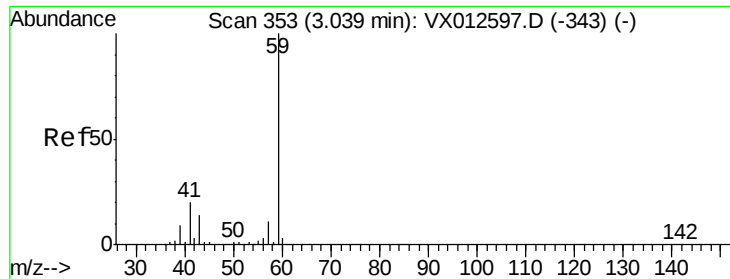
Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	142	Resp:	67874
Ion Ratio	Lower	Upper	
142	100		
127	45.2	40.8	61.2
141	14.5	12.1	18.1





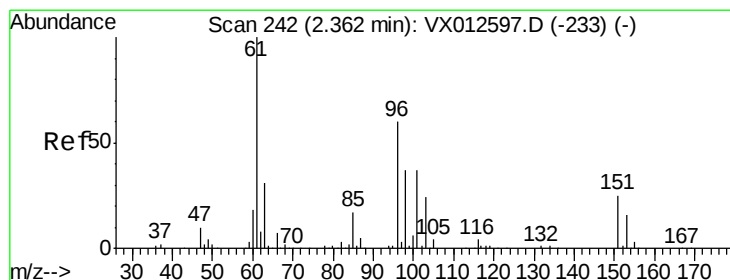
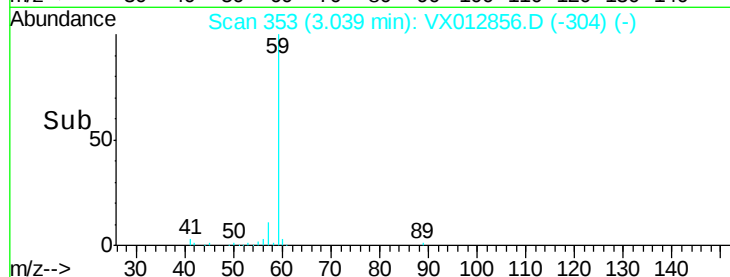
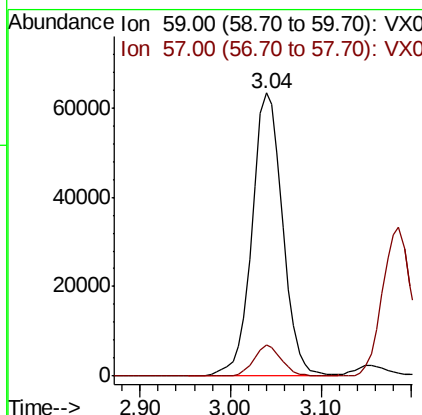
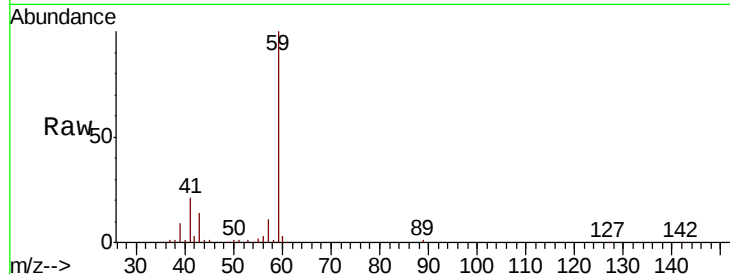
#11
Tert butyl alcohol
Concen: 233.063 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 148504
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

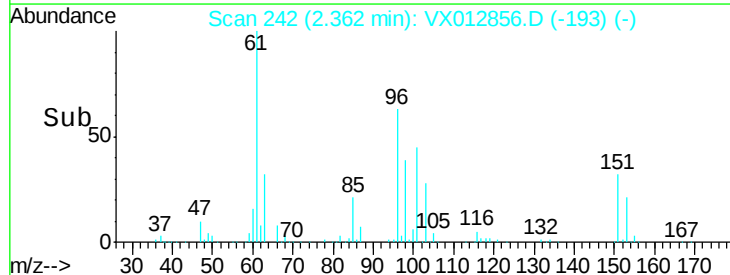
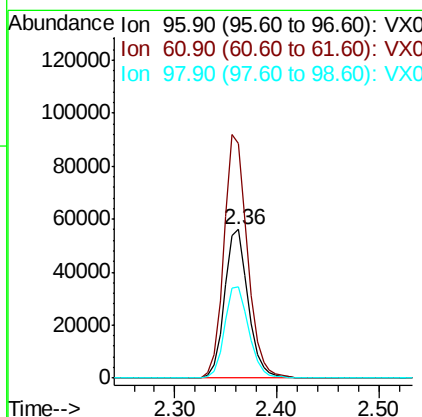
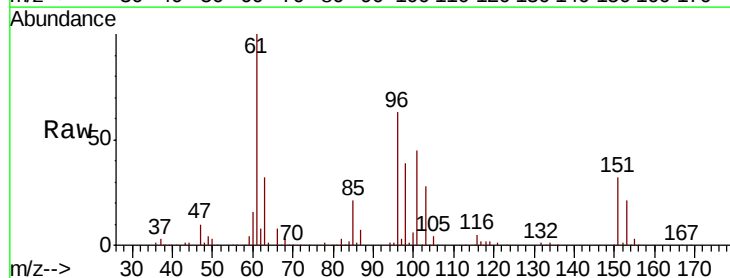
Manual Integrations
APPROVED

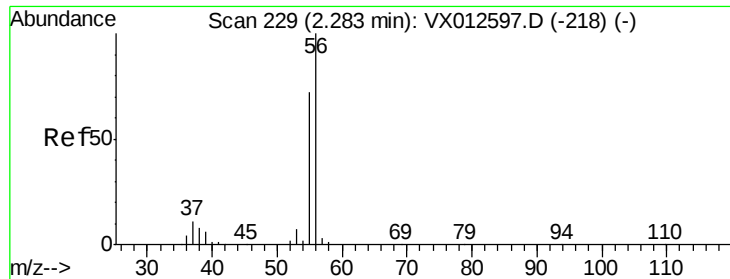
MMDadoda
10/8/2019 2:07:11 PM



#12
1,1-Dichloroethene
Concen: 47.751 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion: 96 Resp: 89929
Ion Ratio Lower Upper
96 100
61 157.9 133.8 200.6
98 61.2 49.9 74.9





#13

Acrolein

Concen: 208.018 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73200

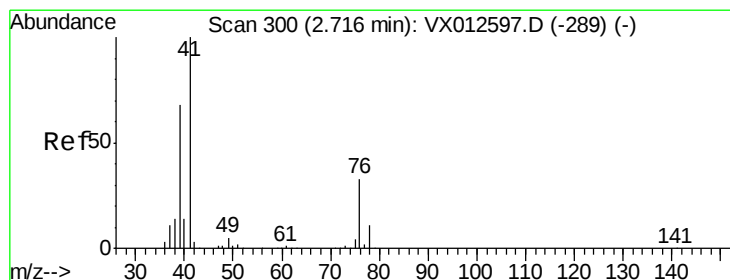
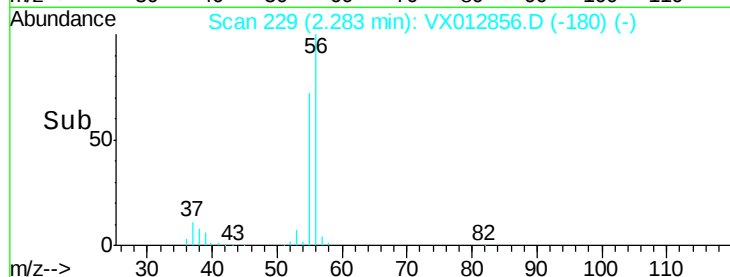
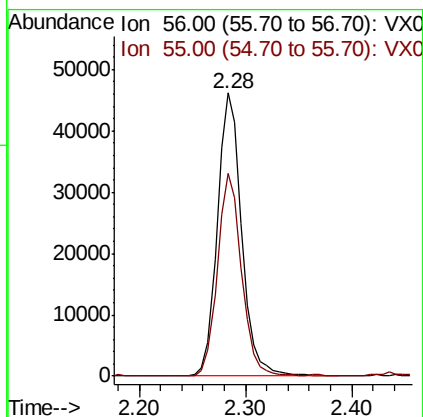
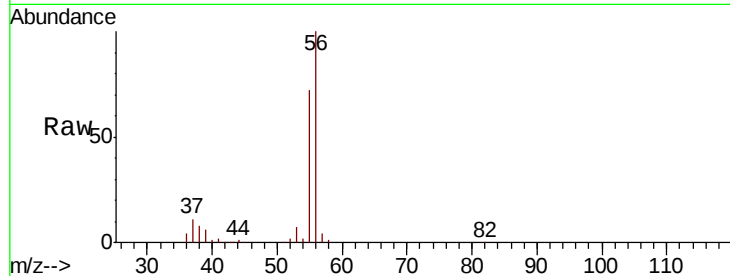
Ion Ratio Lower Upper

56 100

55 70.1 55.8 83.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#14

Allyl chloride

Concen: 45.230 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

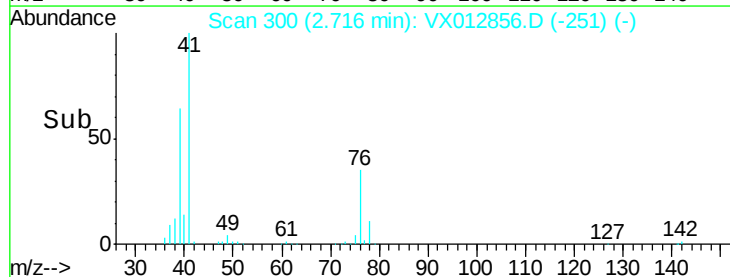
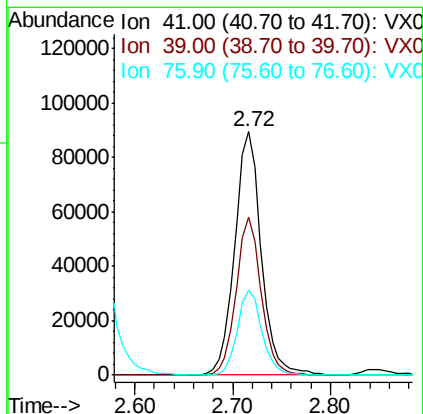
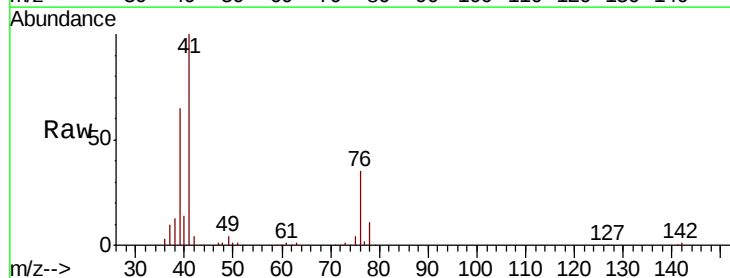
Tgt Ion: 41 Resp: 169001

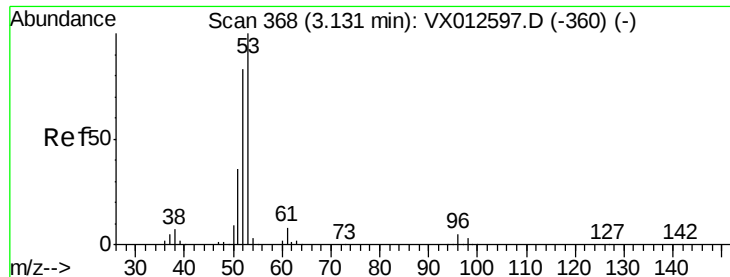
Ion Ratio Lower Upper

41 100

39 61.6 51.3 76.9

76 32.5 22.6 33.8





#15

Acrylonitrile

Concen: 238.965 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

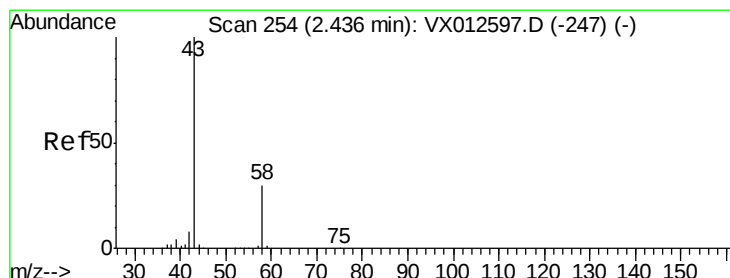
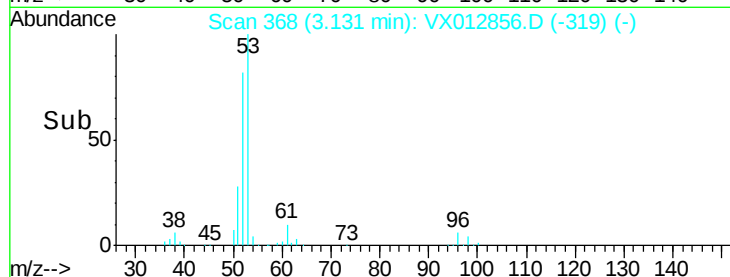
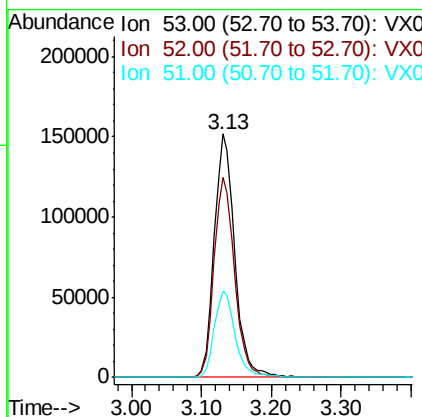
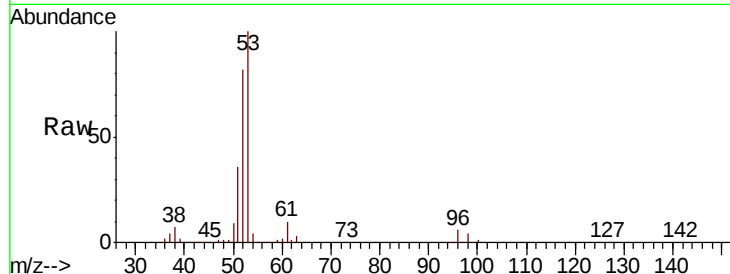
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	308914
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.0	100.4
51	35.9	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#16

Acetone

Concen: 192.326 ug/l

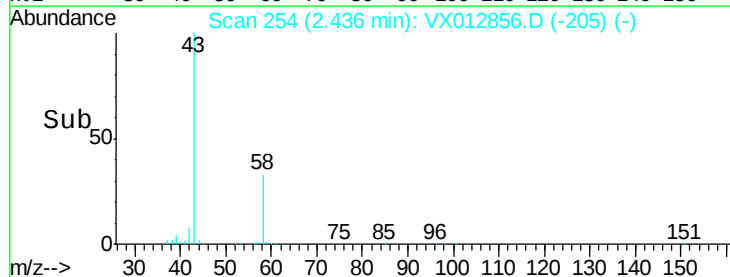
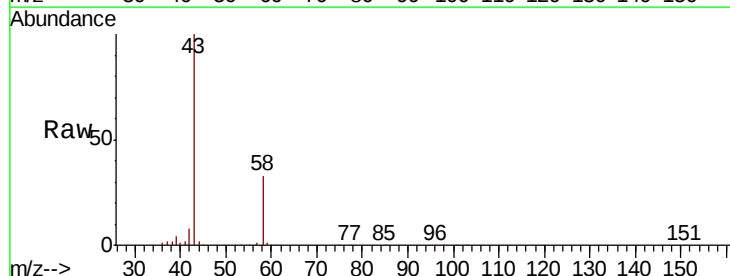
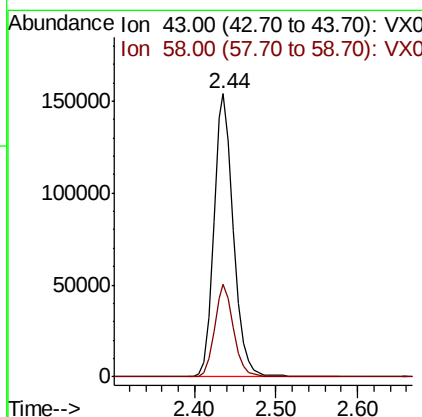
RT: 2.44 min Scan# 254

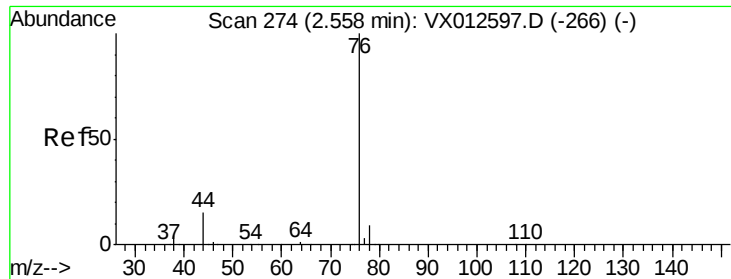
Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	43	Resp:	259845
Ion	Ratio	Lower	Upper
43	100		
58	32.6	23.3	34.9





#17

Carbon Disulfide

Concen: 41.233 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 217701

Ion Ratio Lower Upper

76 100

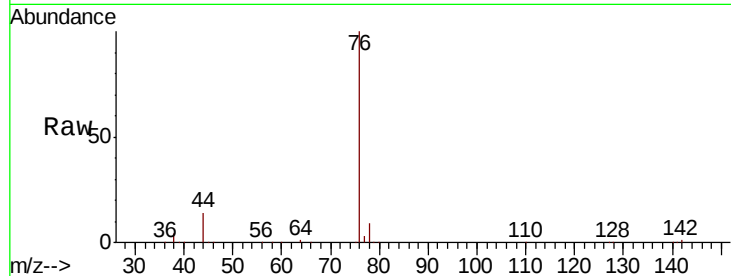
78 9.5 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

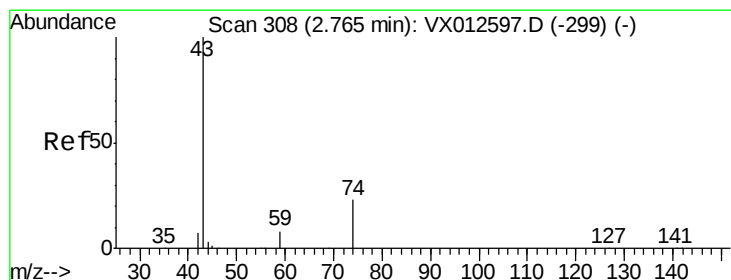
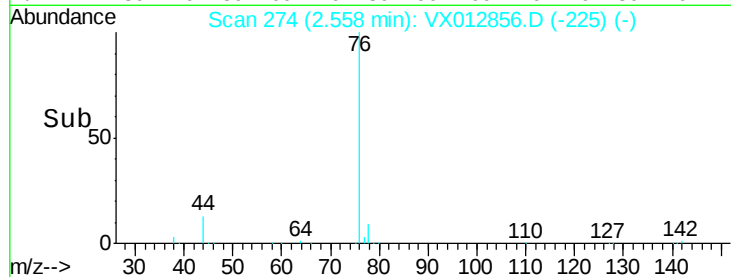
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.516 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012856.D

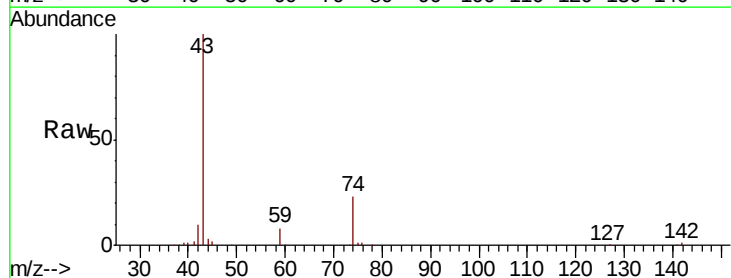
Acq: 07 Oct 2019 22:36

Tgt Ion: 43 Resp: 157526

Ion Ratio Lower Upper

43 100

74 23.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

100000

80000

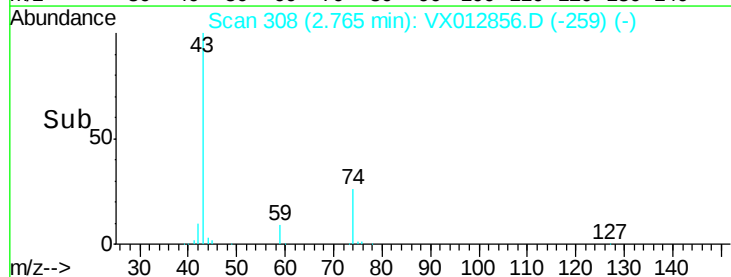
60000

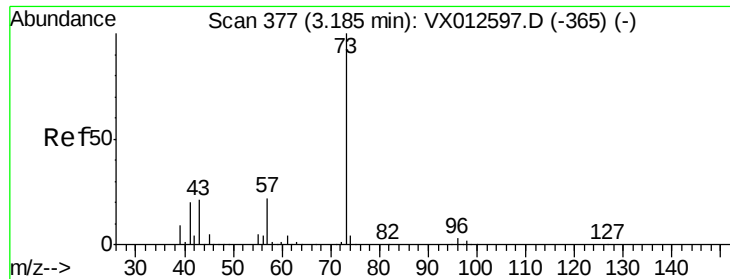
40000

20000

0

Time-->





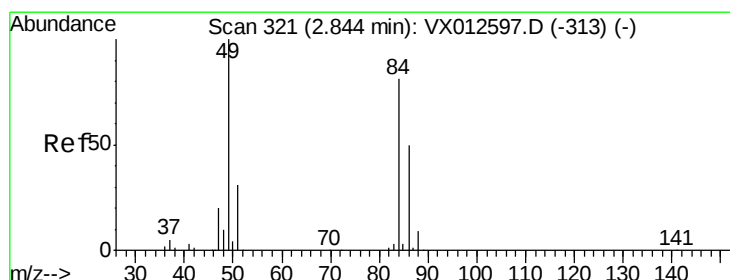
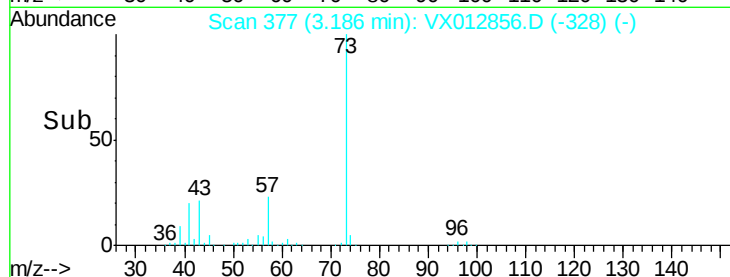
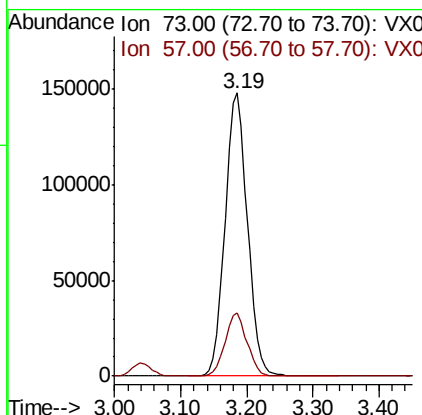
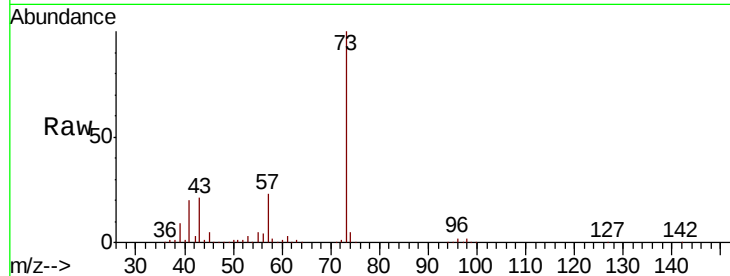
#19
Methyl tert-butyl Ether
Concen: 48.530 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.8	25.2

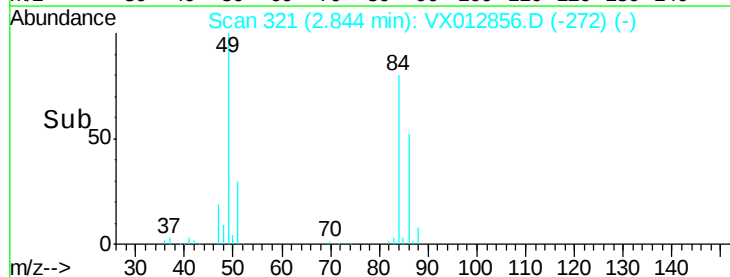
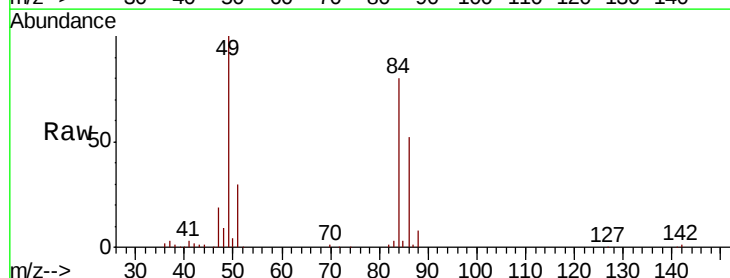
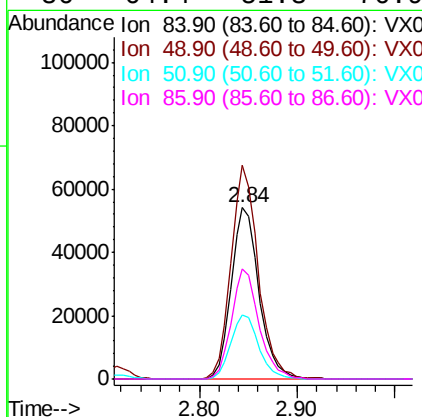
Manual Integrations
APPROVED

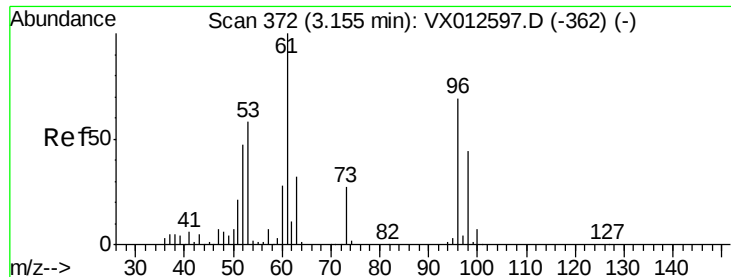
MMDadoda
10/8/2019 2:07:11 PM



#20
Methylene Chloride
Concen: 46.557 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	106.8	160.2
51	37.2	32.3	48.5
86	64.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.793 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

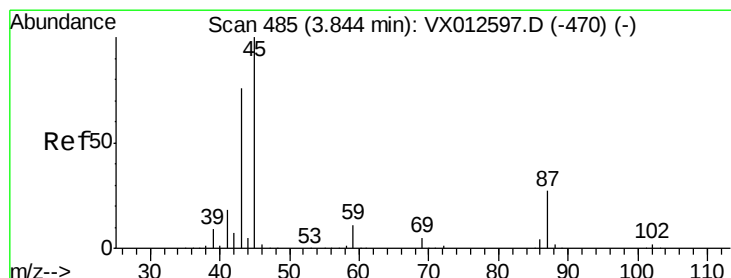
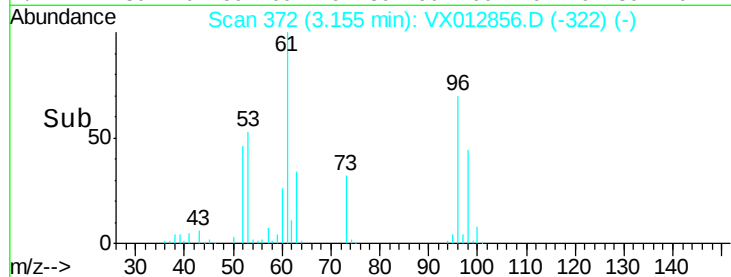
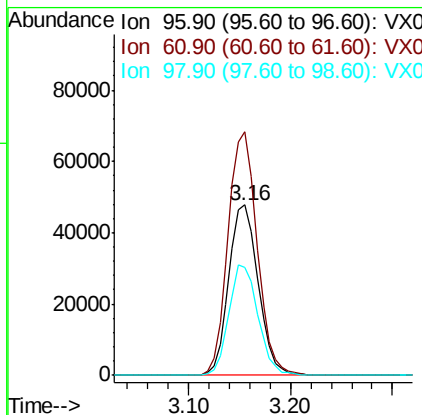
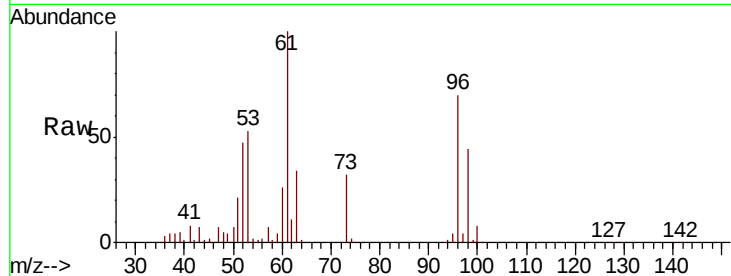
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	95544
Ion	Ratio	Lower	Upper
96	100		
61	142.7	112.0	168.0
98	63.2	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#22

Diisopropyl ether

Concen: 47.518 ug/l

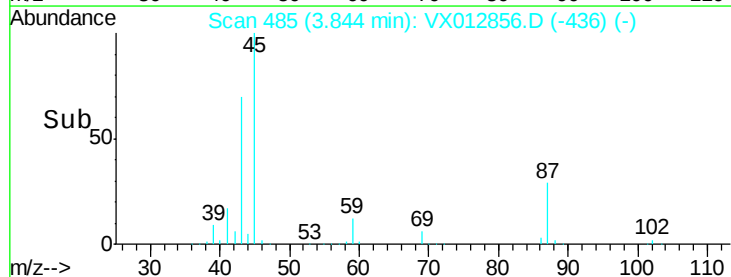
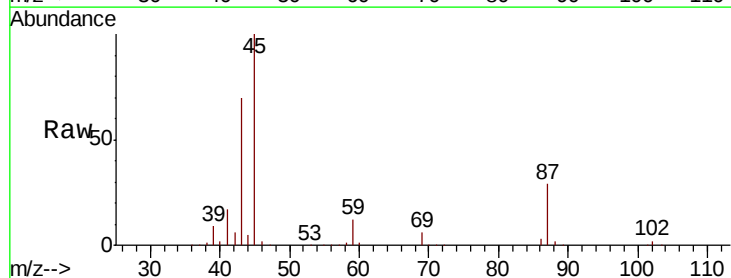
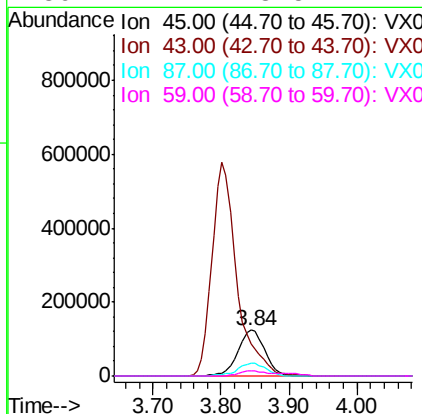
RT: 3.84 min Scan# 485

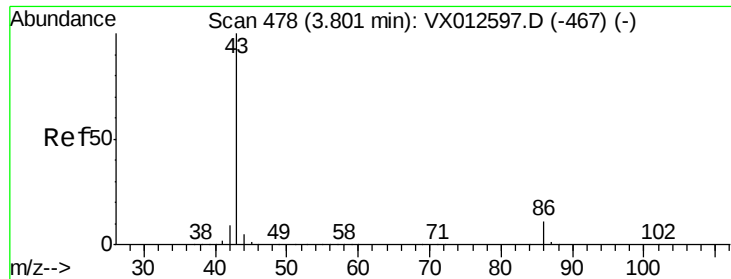
Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	45	Resp:	343078
Ion	Ratio	Lower	Upper
45	100		
43	69.4	57.8	86.8
87	29.2	21.3	31.9
59	12.1	8.5	12.7





#23

Vinyl Acetate

Concen: 232.183 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1470077

Ion Ratio Lower Upper

43 100

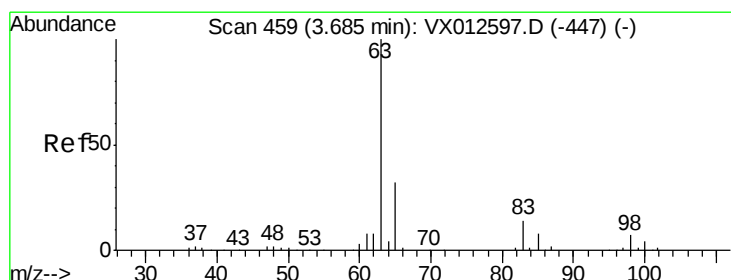
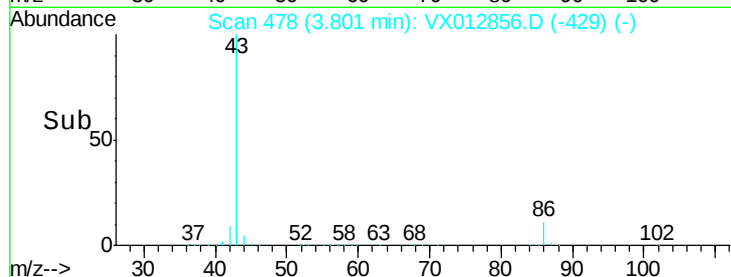
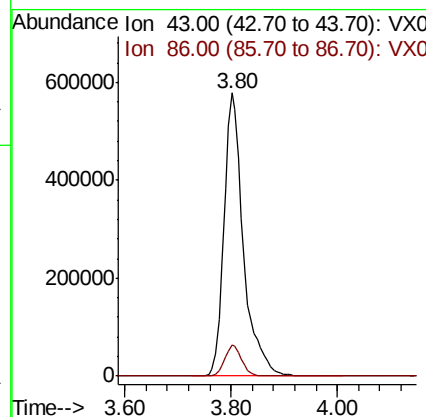
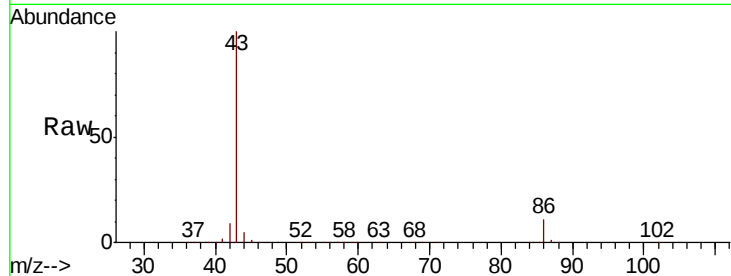
86 10.9 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:11 PM



#24

1,1-Dichloroethane

Concen: 47.407 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

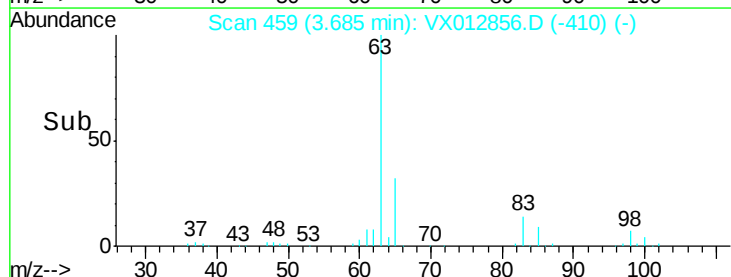
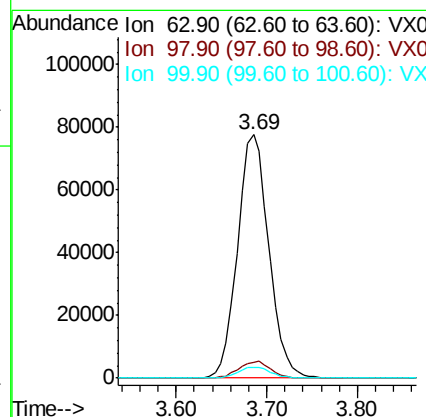
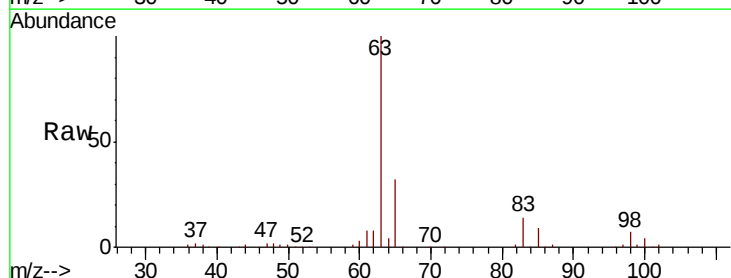
Tgt Ion: 63 Resp: 186050

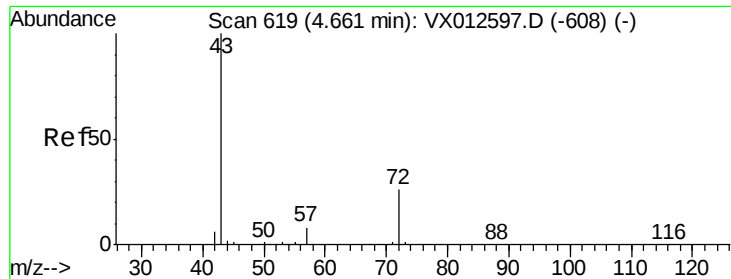
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 4.4 2.3 6.9





#25

2-Butanone

Concen: 217.809 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 421945

Ion Ratio Lower Upper

43 100

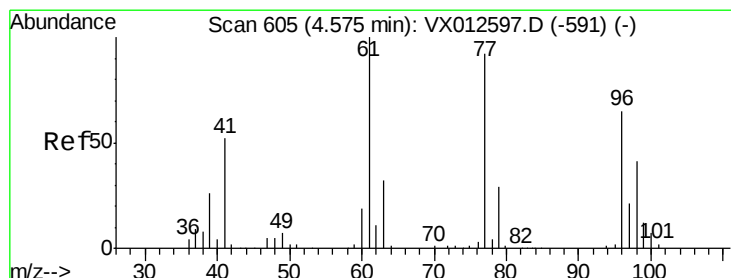
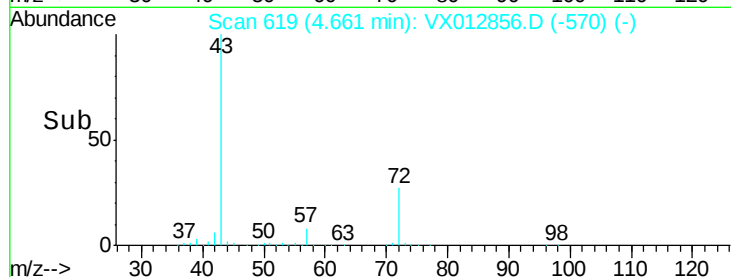
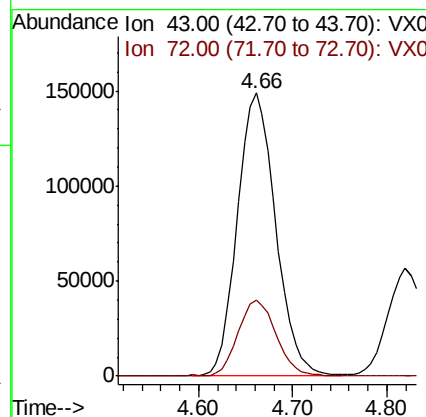
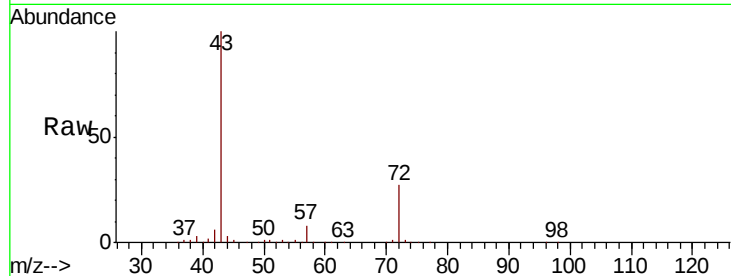
72 27.0 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:11 PM



#26

2,2-Dichloropropane

Concen: 38.868 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012856.D

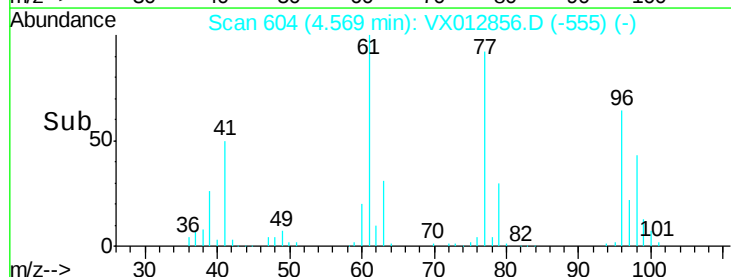
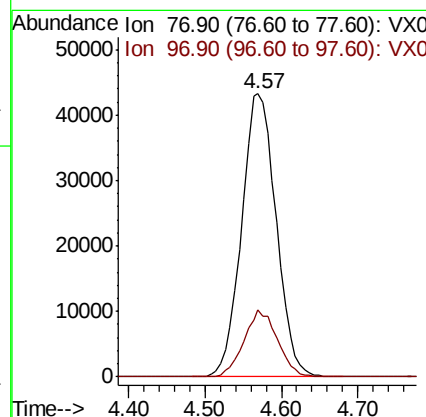
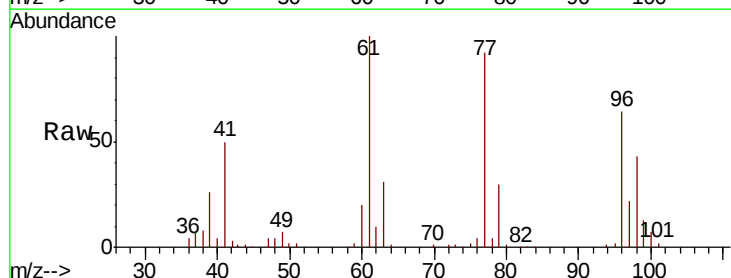
Acq: 07 Oct 2019 22:36

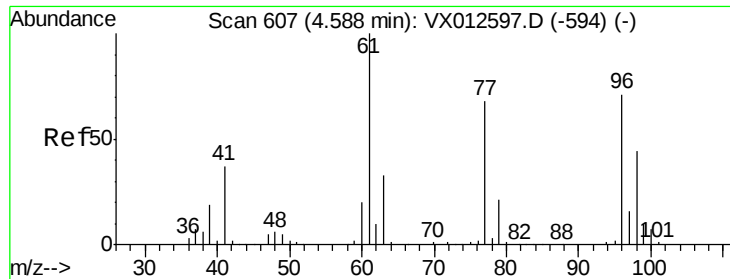
Tgt Ion: 77 Resp: 135668

Ion Ratio Lower Upper

77 100

97 22.9 10.5 31.6





#27

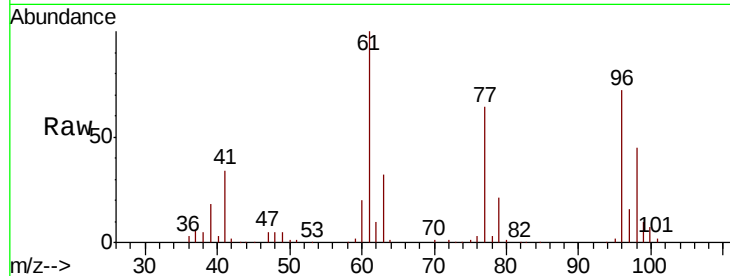
cis-1,2-Dichloroethene
Concen: 47.546 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	115107		
61	146.6	0.0	319.4	
98	64.7	0.0	130.6	

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM

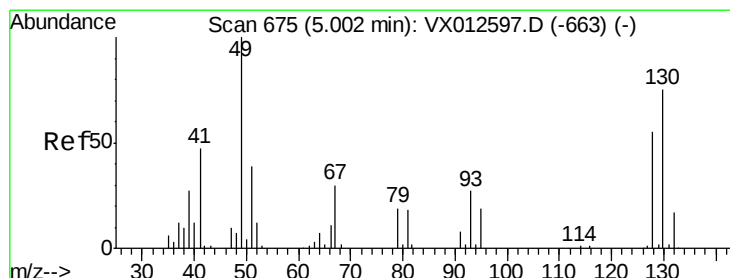
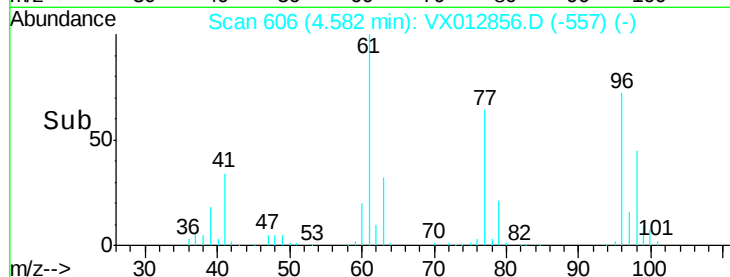
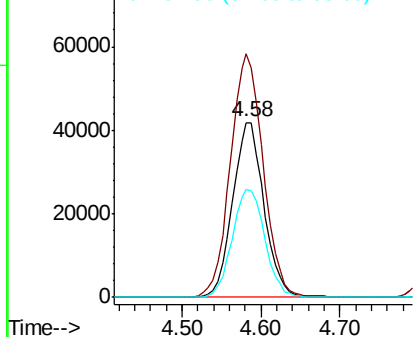


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

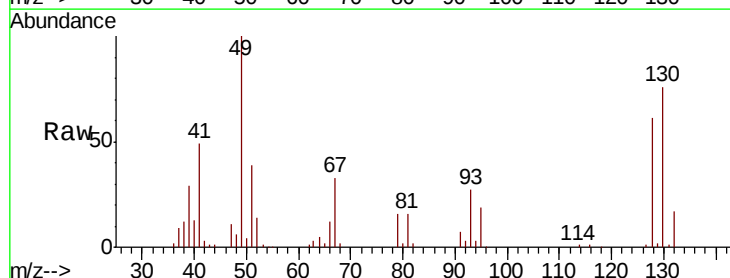
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 45.374 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64658		
129	1.8	0.0	3.8	
130	76.8	58.2	87.4	

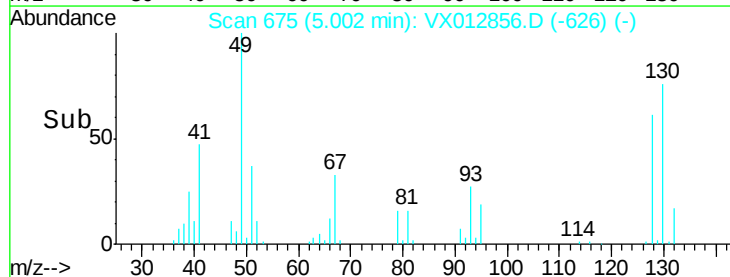
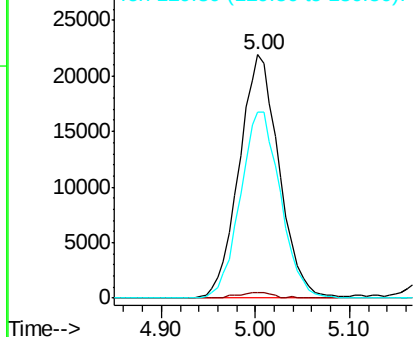


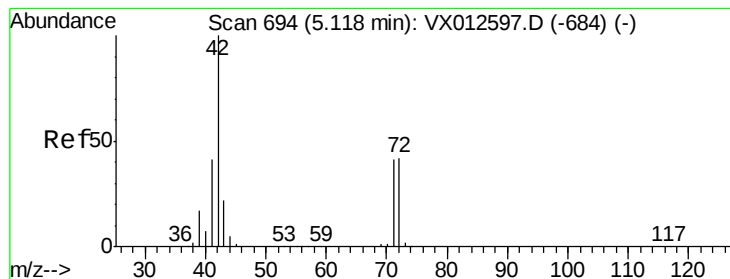
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 230.654 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

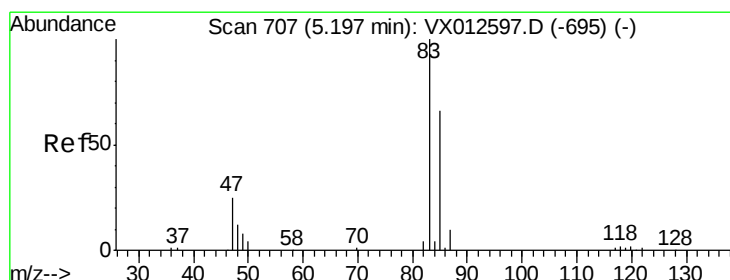
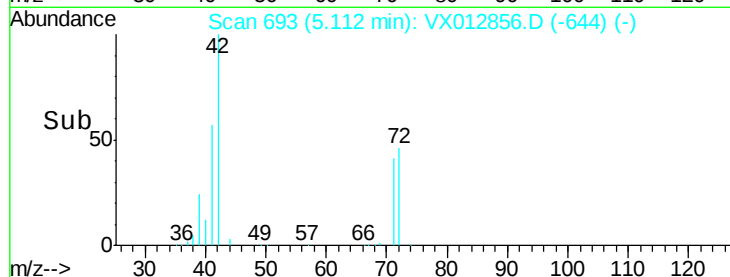
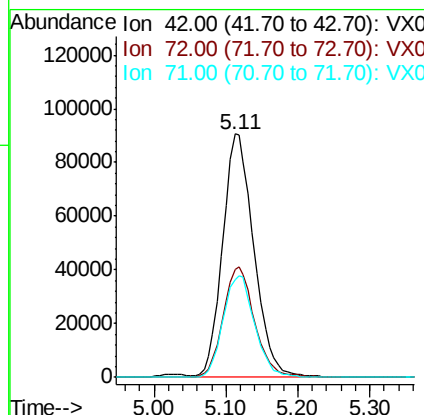
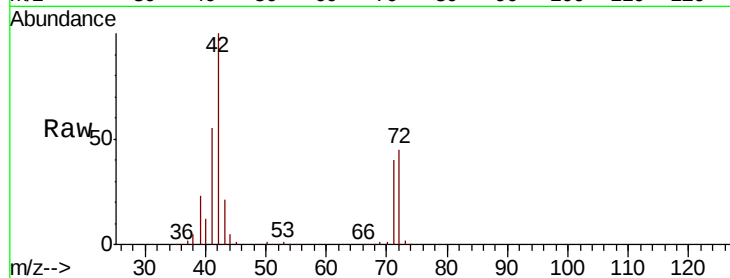
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	272344
Ion	Ratio	Lower	Upper
42	100		
72	45.9	34.0	51.0
71	42.3	31.5	47.3

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#30

Chloroform

Concen: 46.954 ug/l

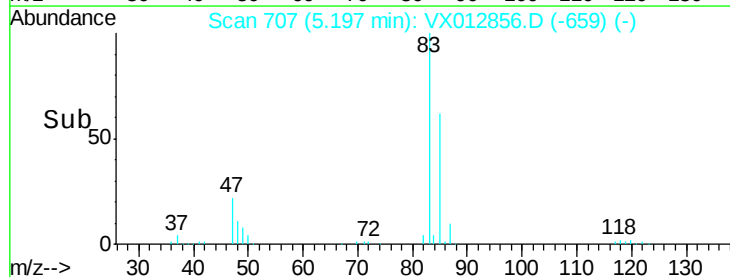
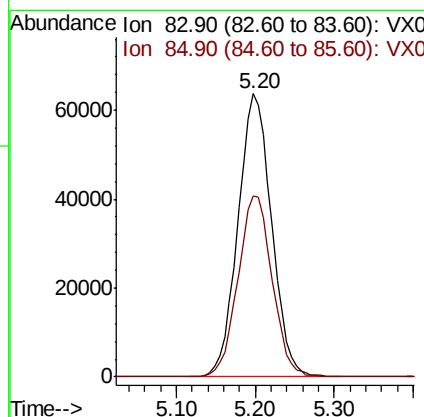
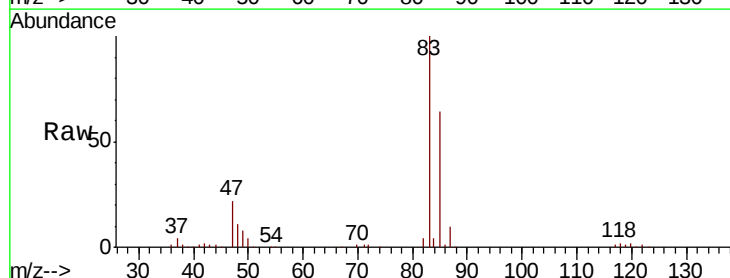
RT: 5.20 min Scan# 707

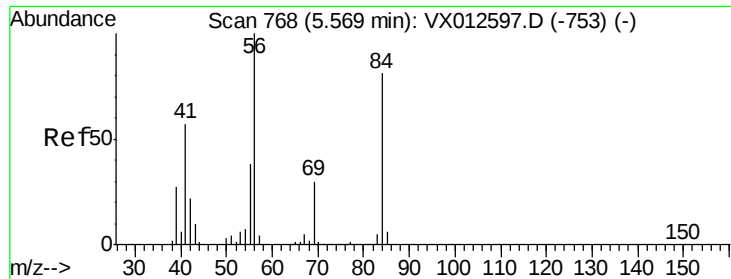
Delta R.T. -0.01 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	83	Resp:	188528
Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.0	79.4





#31

Cyclohexane

Concen: 44.298 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

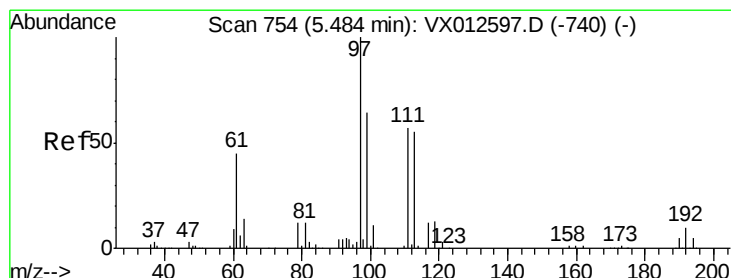
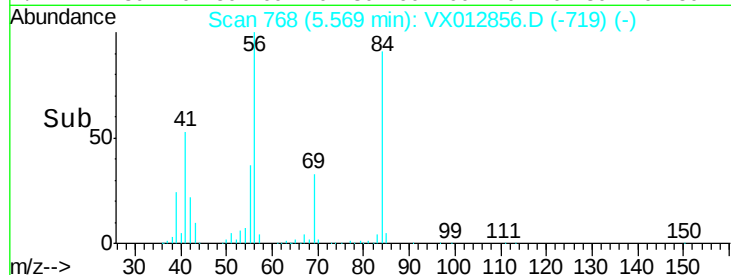
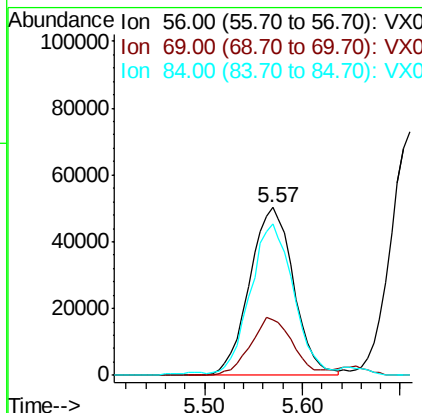
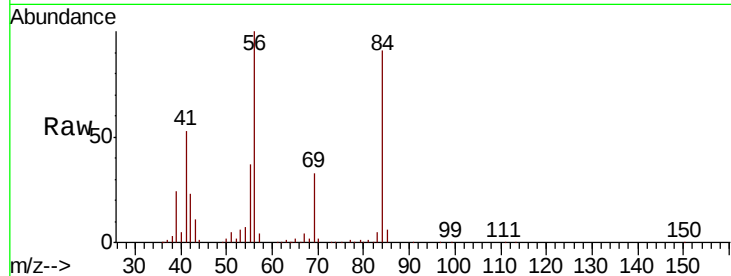
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	157276
Ion Ratio	Lower	Upper	
56	100		
69	33.4	25.0	37.6
84	88.8	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#32

1,1,1-Trichloroethane

Concen: 46.125 ug/l

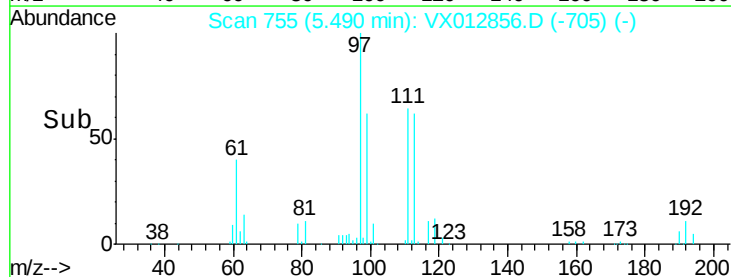
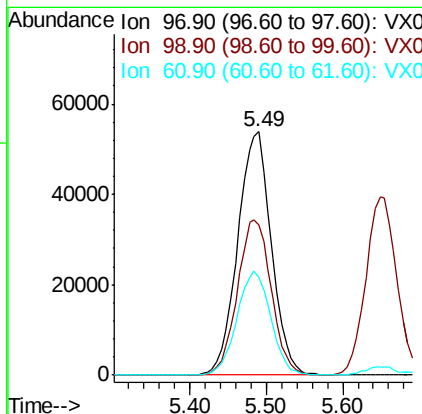
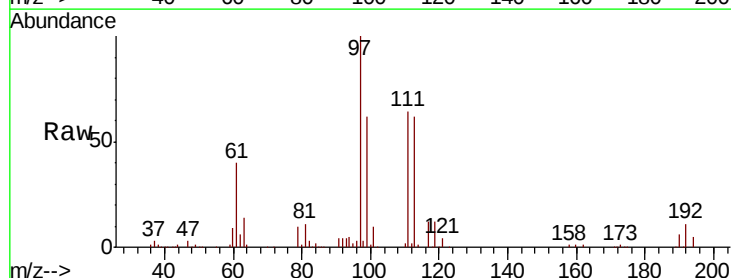
RT: 5.49 min Scan# 755

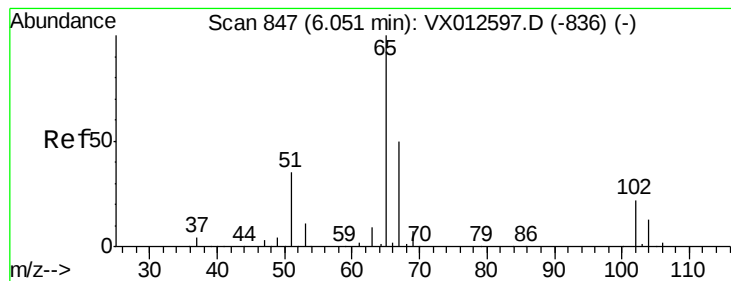
Delta R.T. 0.01 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	97	Resp:	164136
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.3	76.9
61	43.0	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 46.244 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 117954

Ion Ratio Lower Upper

65 100

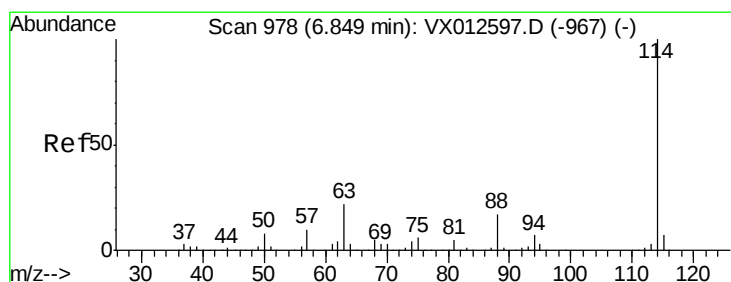
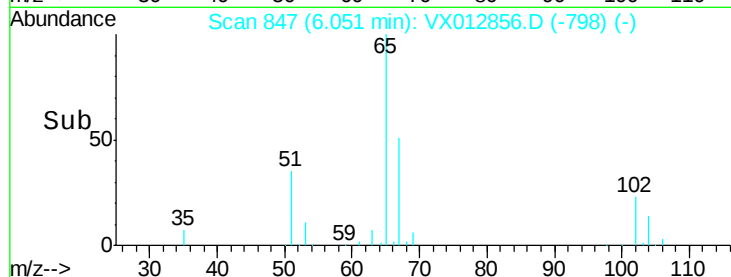
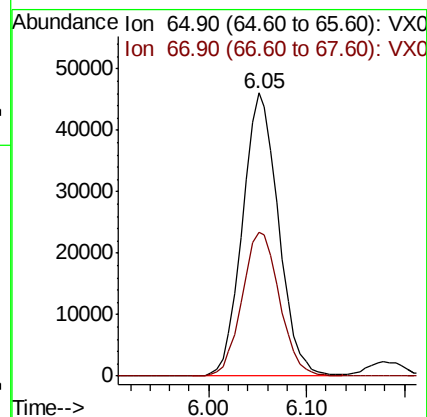
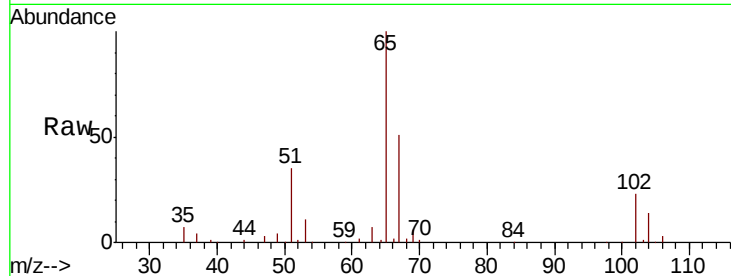
67 52.8 0.0 101.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:11 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

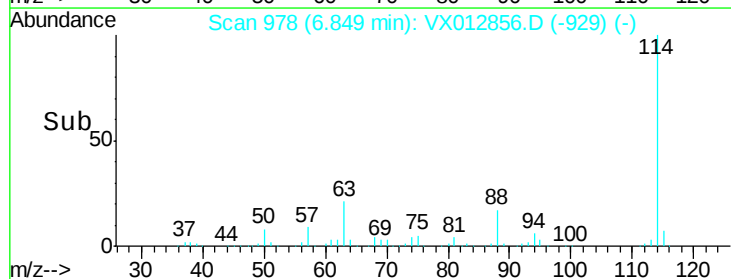
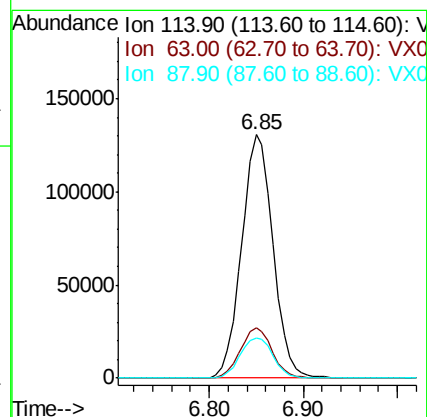
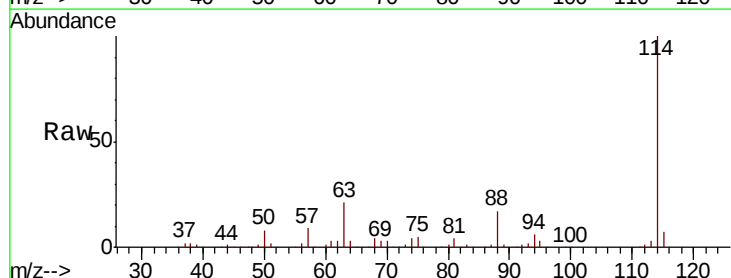
Tgt Ion: 114 Resp: 304356

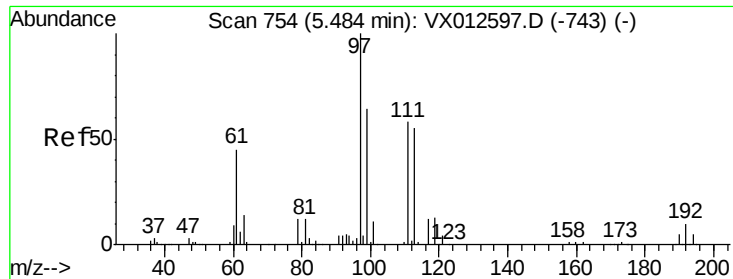
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 16.6 0.0 33.2





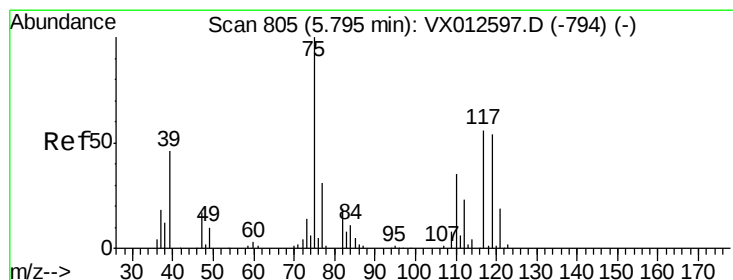
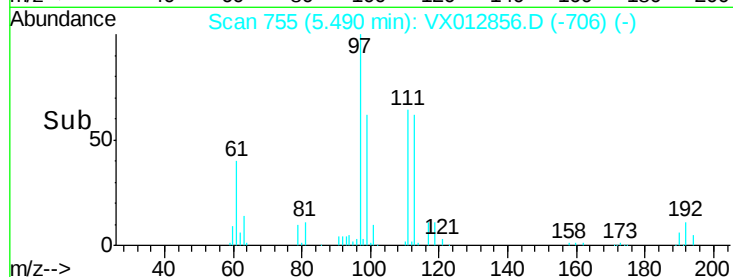
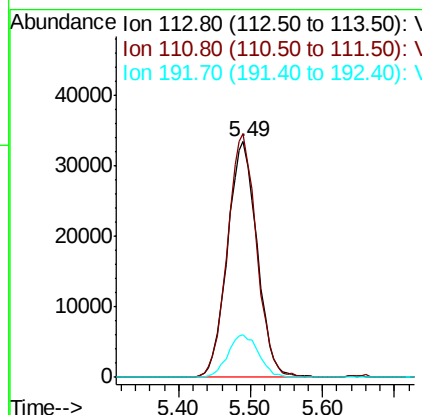
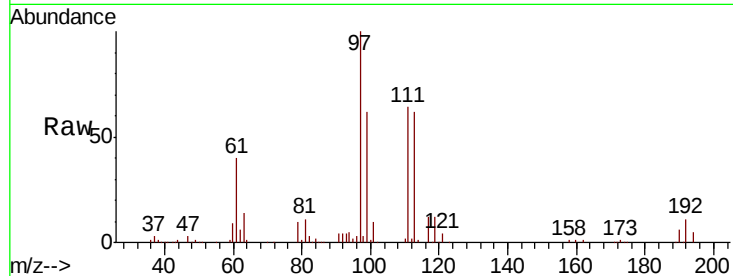
#35
Dibromofluoromethane
Concen: 52.904 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	83.4	125.2	
192	18.6	14.4	21.6	

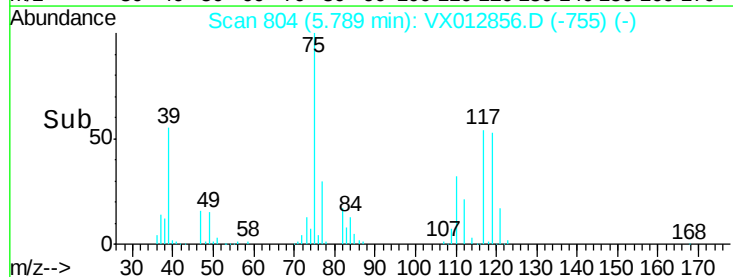
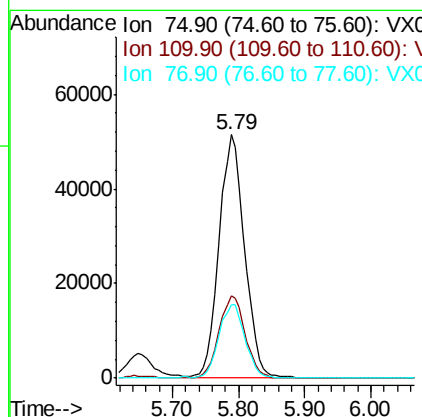
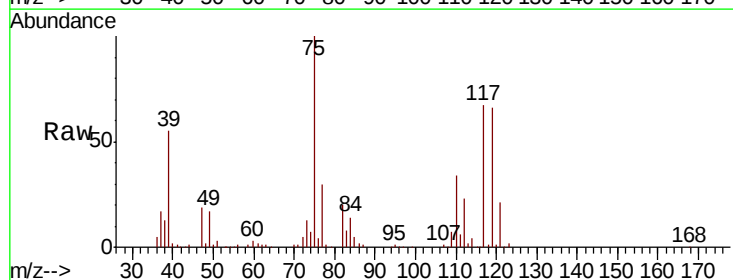
Manual Integrations
APPROVED

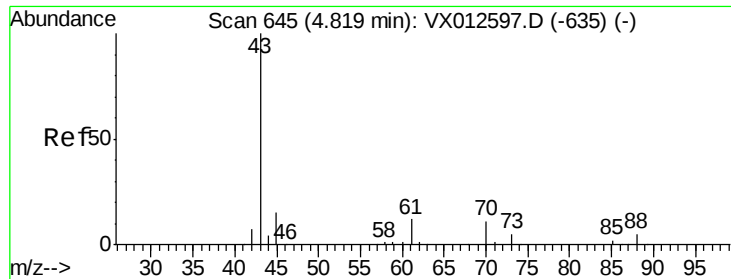
MMDadoda
10/8/2019 2:07:11 PM



#36
1,1-Dichloropropene
Concen: 46.957 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.7	16.7	50.0	
77	31.0	24.2	36.2	





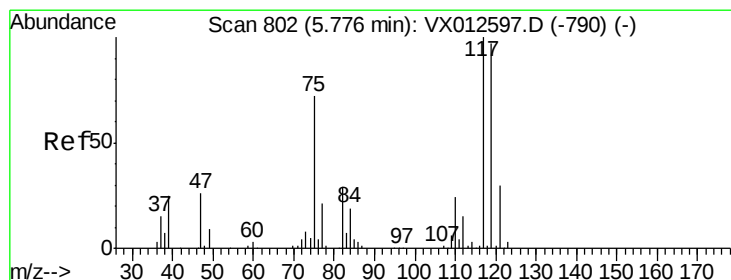
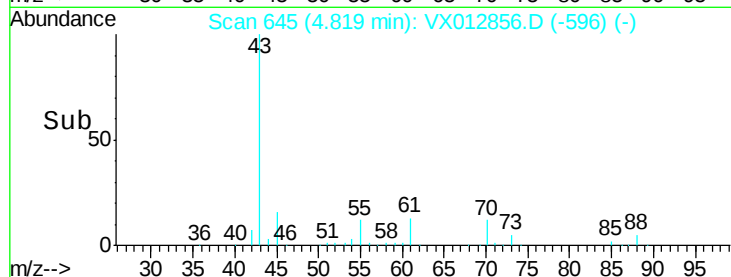
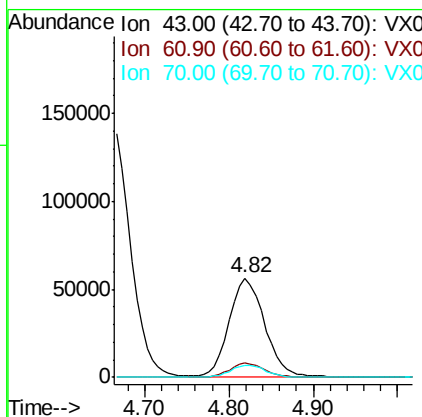
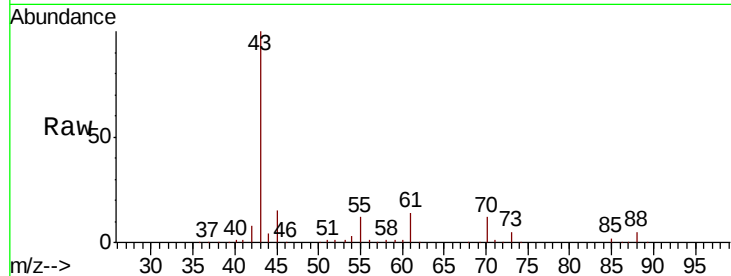
#37
Ethyl Acetate
Concen: 46.975 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.4
70	12.0	8.7	13.1

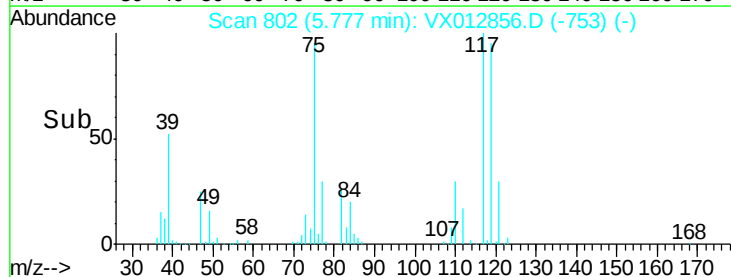
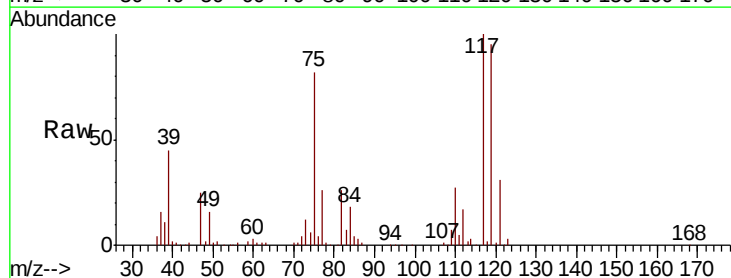
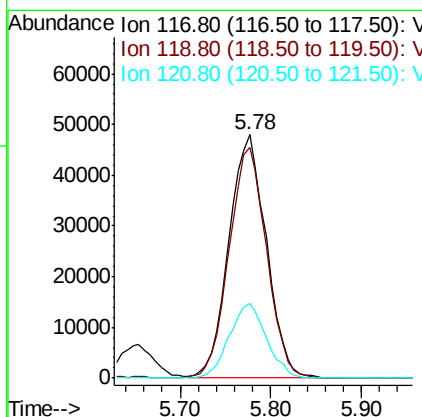
Manual Integrations
APPROVED

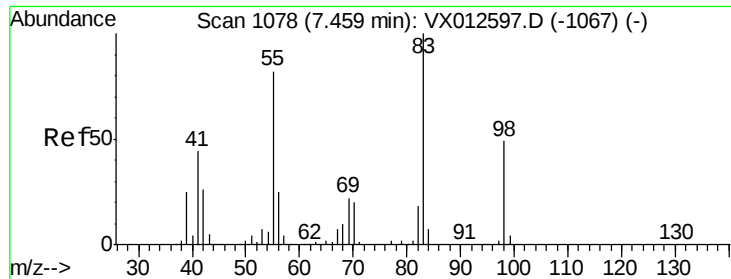
MMDadoda
10/8/2019 2:07:11 PM



#38
Carbon Tetrachloride
Concen: 46.072 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	30.7	24.2	36.4





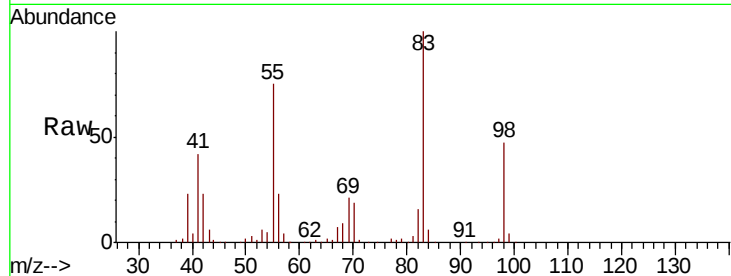
#39
Methylvlcyclohexane
Concen: 45.608 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

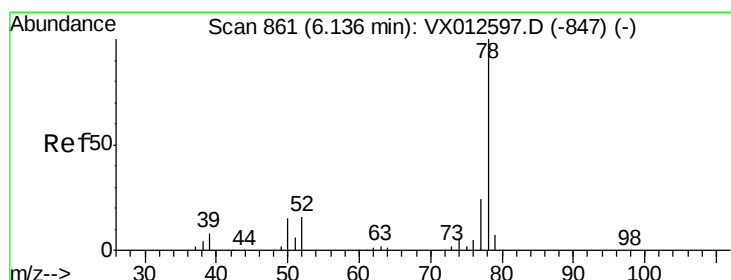
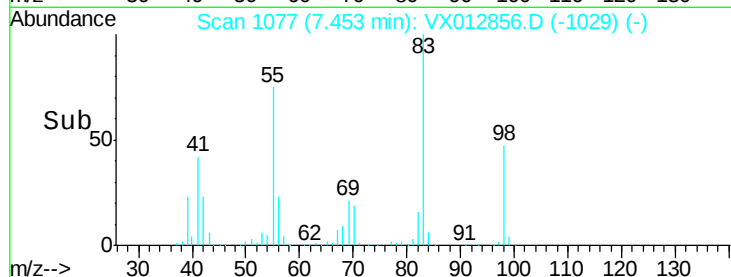
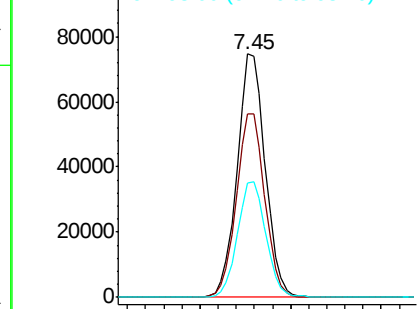
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	64.4	96.6
98	46.8	40.1	60.1

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM

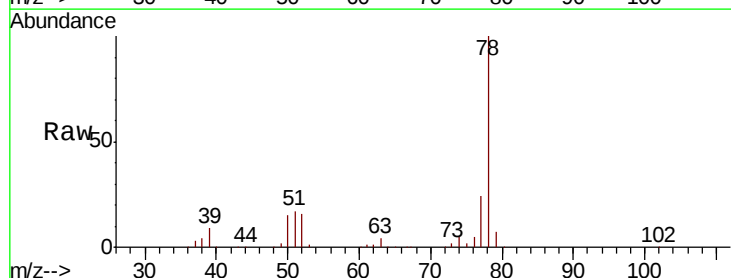


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

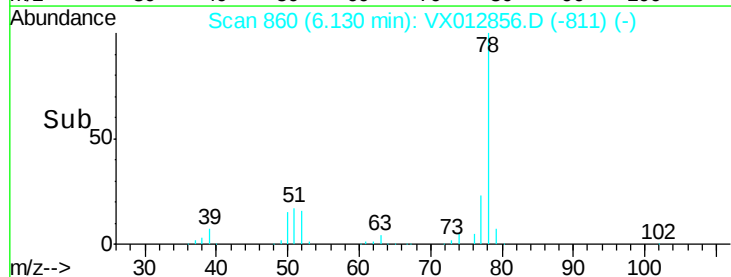
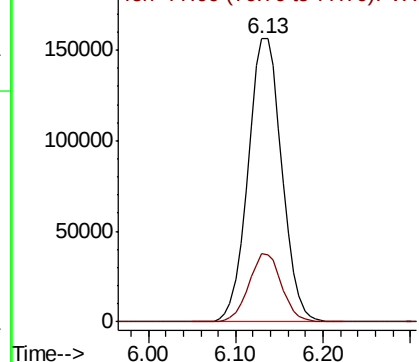


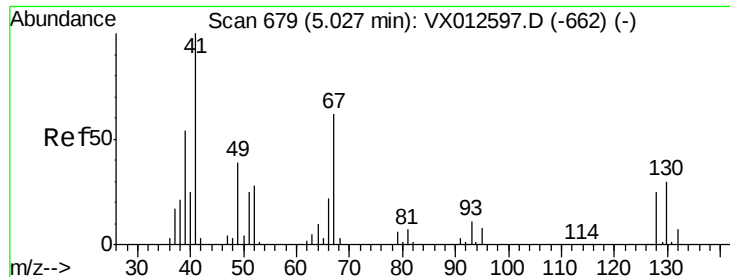
#40
Benzene
Concen: 48.554 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 48.618 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

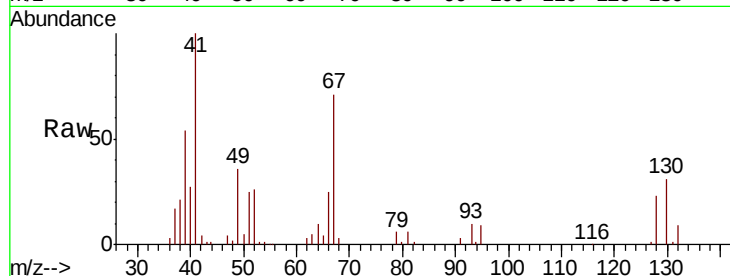
ClientSampleId :

VSTDCCC050

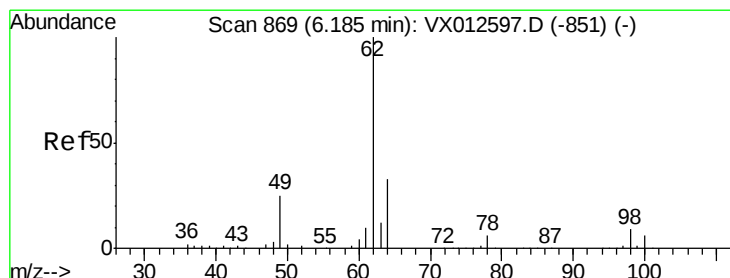
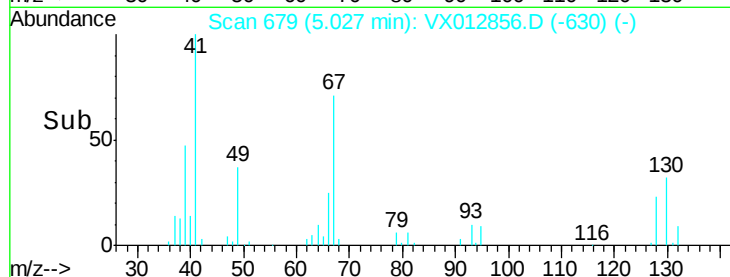
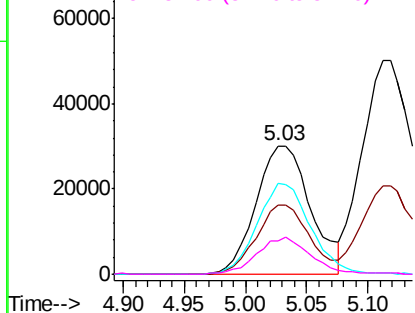
Tot Ion:	41	Resp:	93557
Ion Ratio	Lower	Upper	
41	100		
39	51.9	46.0	69.0
67	69.3	52.2	78.2
52	28.1	22.7	34.1

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.718 ug/l

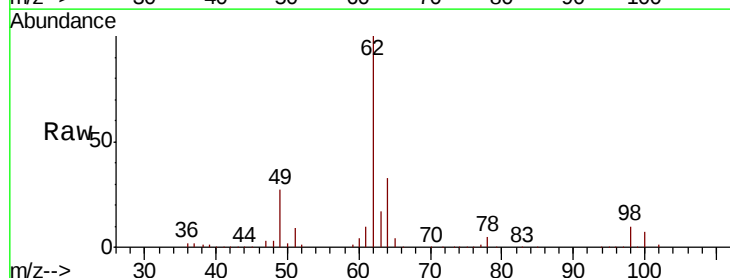
RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

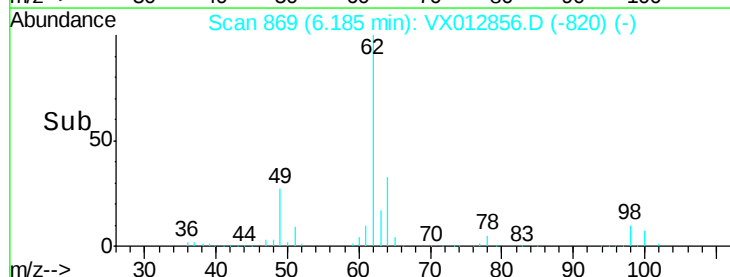
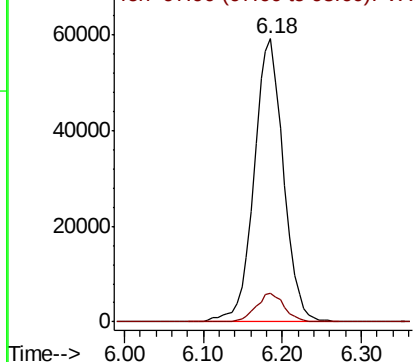
Lab File: VX012856.D

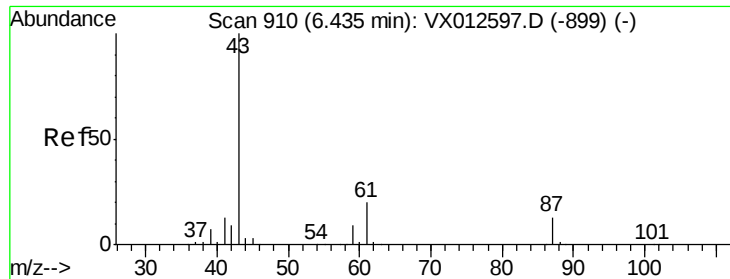
Acq: 07 Oct 2019 22:36

Tgt Ion:	62	Resp:	153132
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





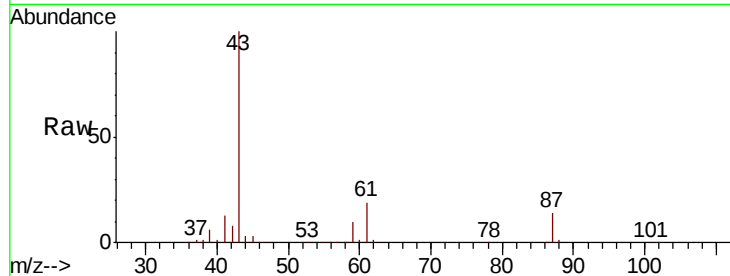
#43
Isopropyl Acetate
Concen: 46.738 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

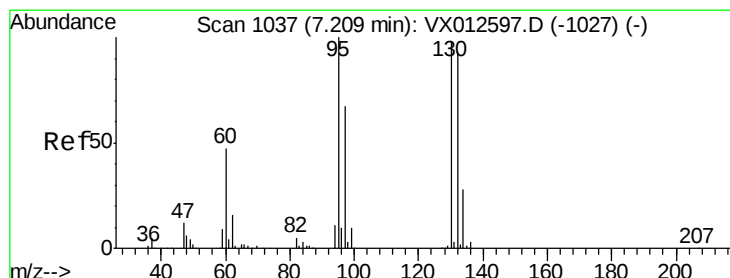
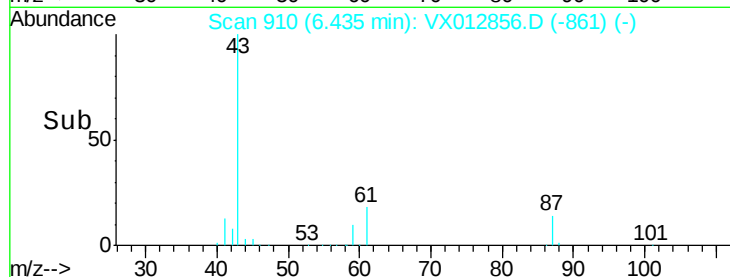
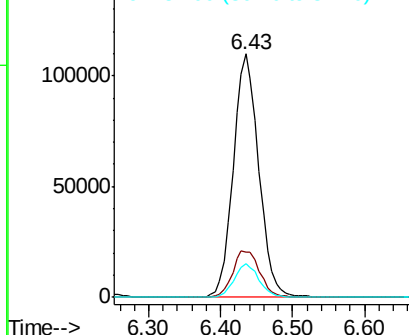
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.4	23.0
87	13.5	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM

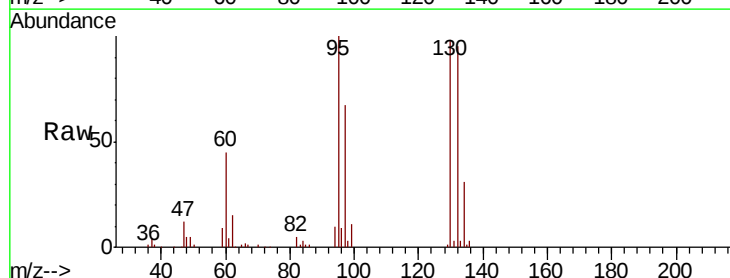


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

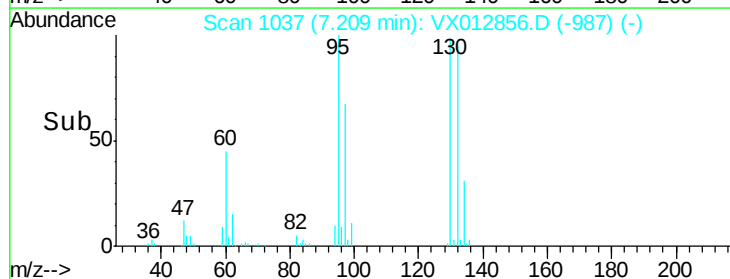
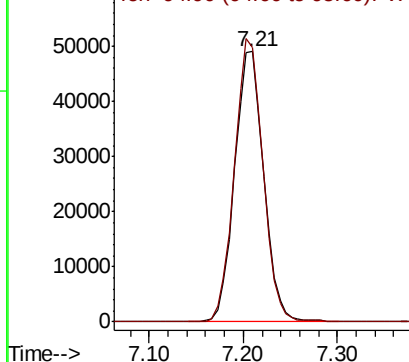


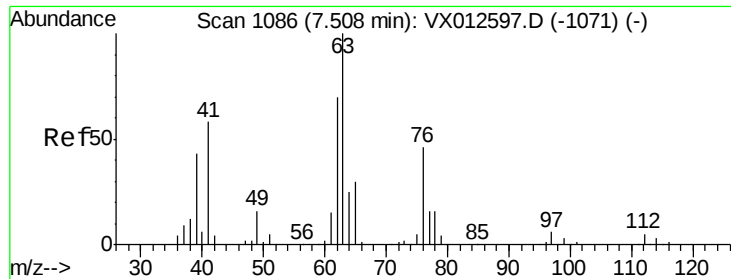
#44
Trichloroethene
Concen: 48.006 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 48.657 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 107528

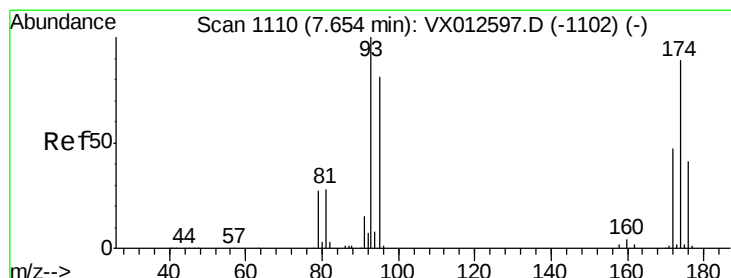
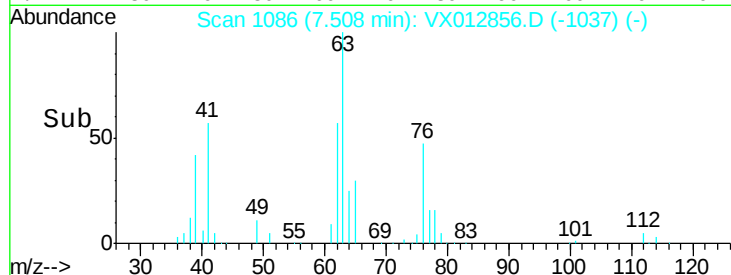
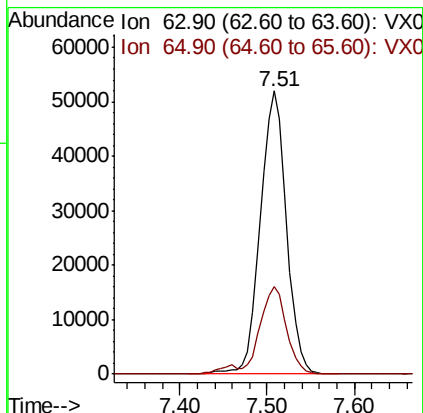
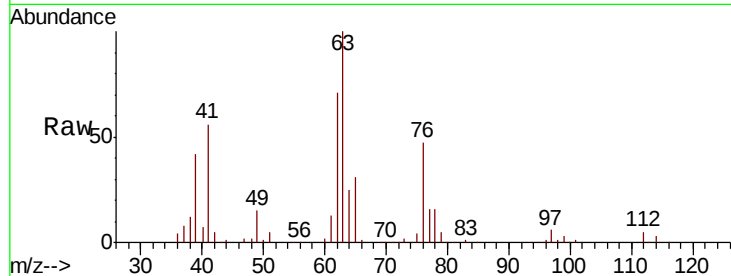
Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#46

Dibromomethane

Concen: 47.664 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

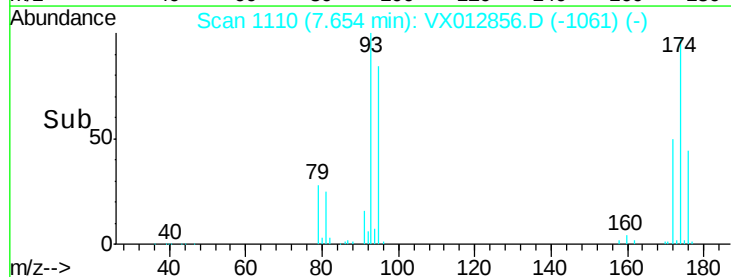
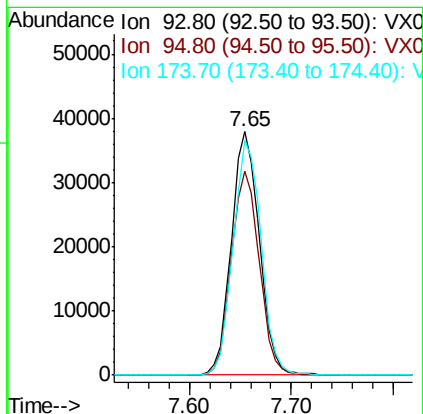
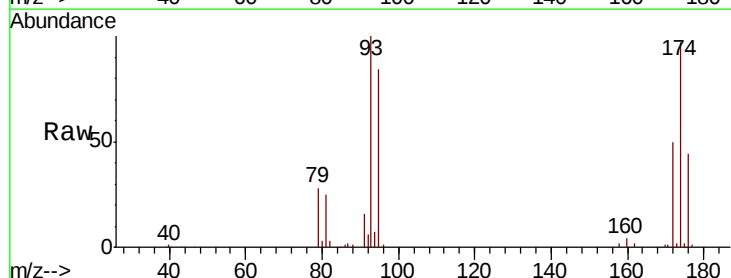
Tgt Ion: 93 Resp: 71716

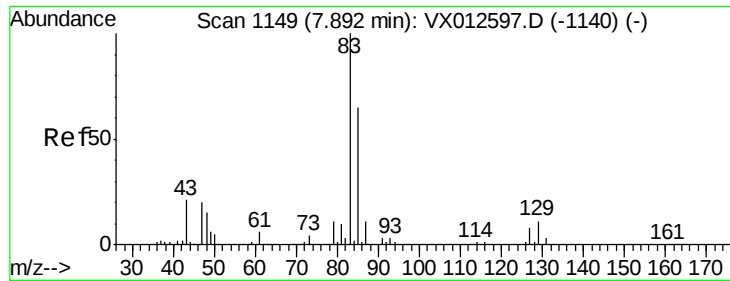
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 96.9 77.4 116.0





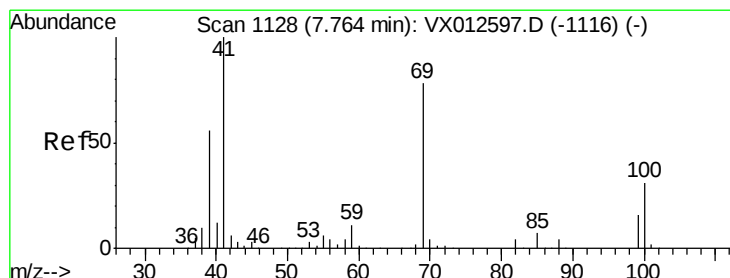
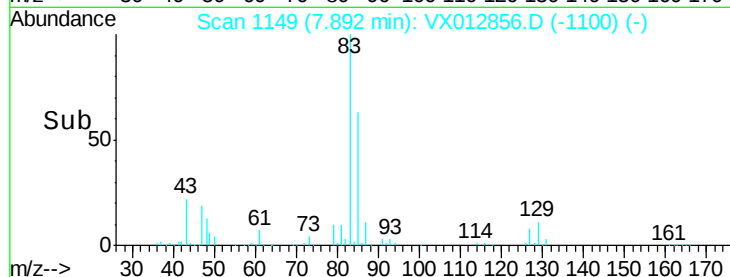
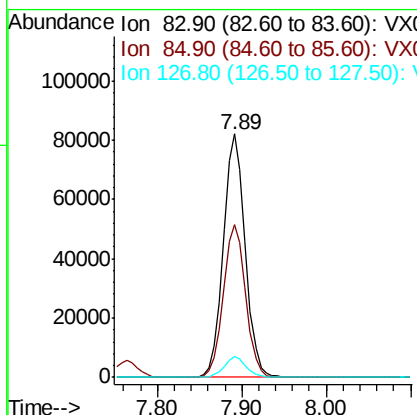
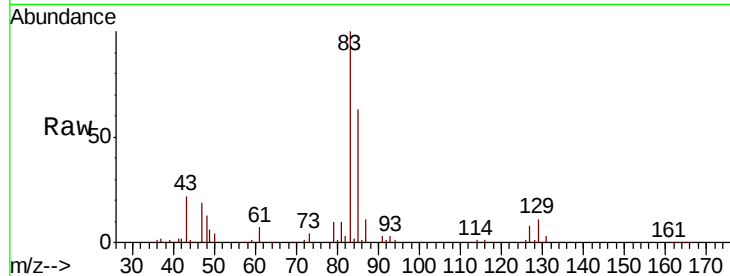
#47
 Bromodichloromethane
 Concen: 48.592 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	146126		
85	62.6	51.8	77.6	
127	8.3	7.3	10.9	

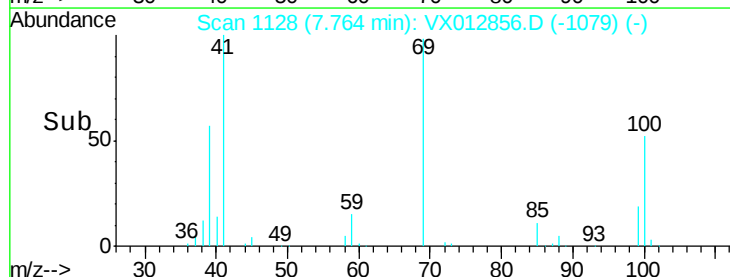
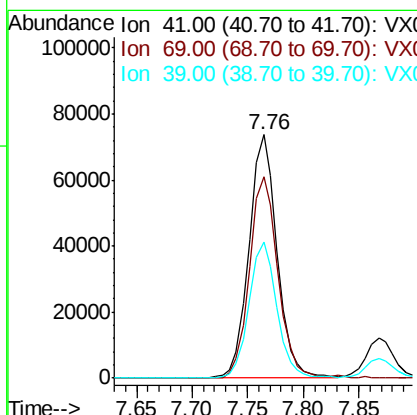
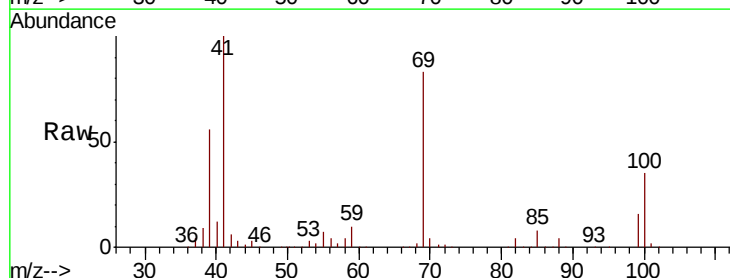
Manual Integrations
 APPROVED

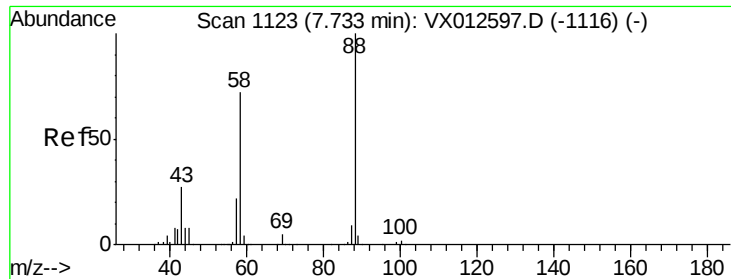
MMDadoda
 10/8/2019 2:07:11 PM



#48
 Methyl methacrylate
 Concen: 47.080 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	129481		
69	83.4	59.9	89.9	
39	56.0	47.8	71.6	





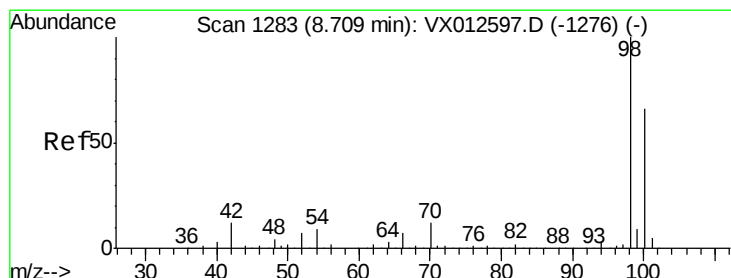
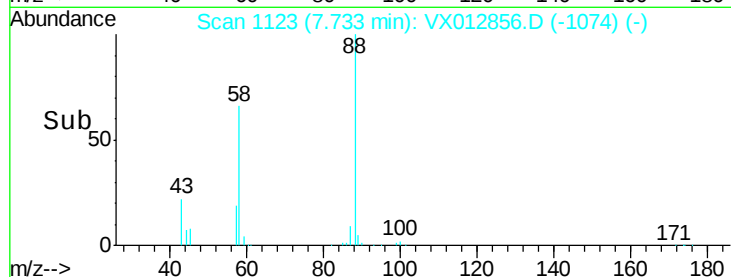
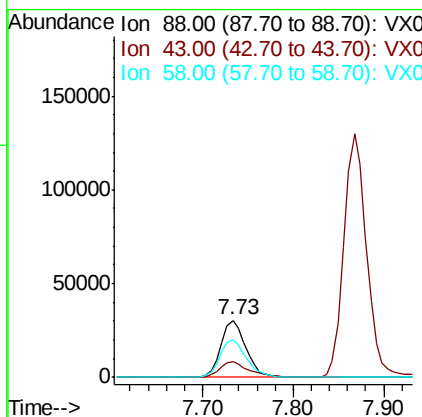
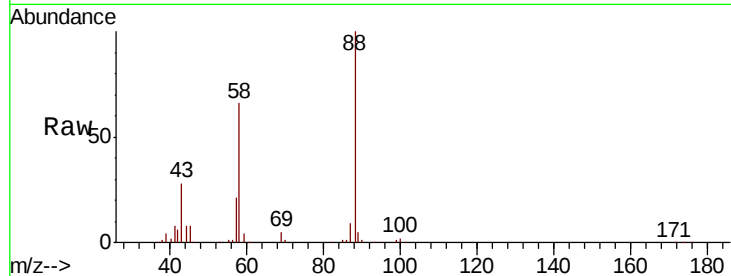
#49
1,4-Dioxane
Concen: 942.985 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	29.4	44.0
58	69.6	57.5	86.3

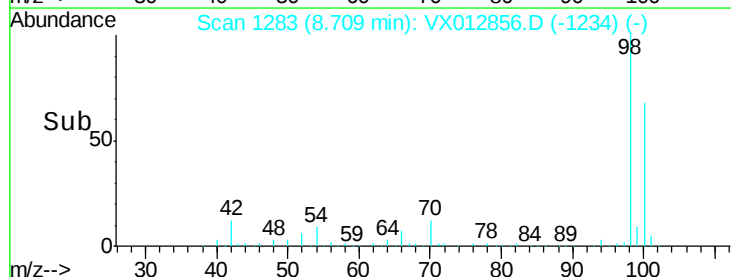
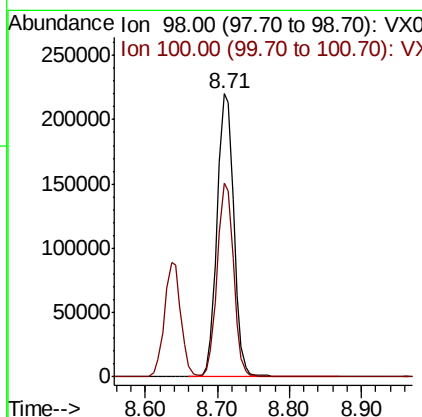
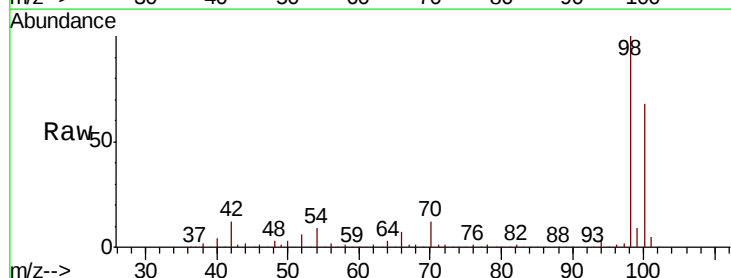
Manual Integrations
APPROVED

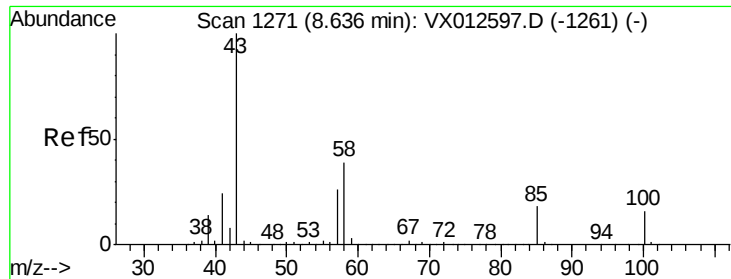
MMDadoda
10/8/2019 2:07:11 PM



#50
Toluene-d8
Concen: 50.734 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 237.589 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 841186

Ion Ratio Lower Upper

43 100

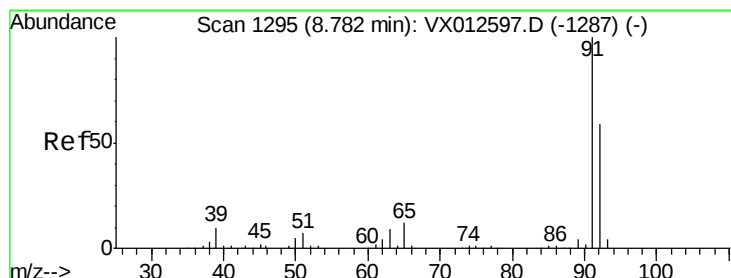
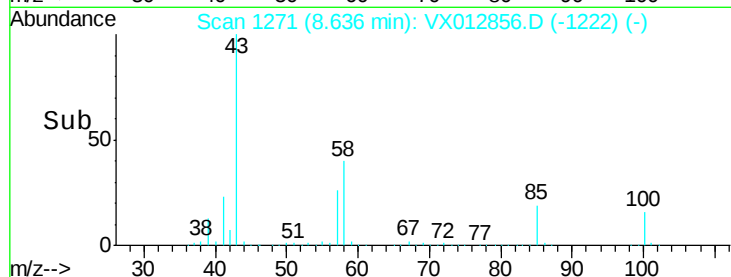
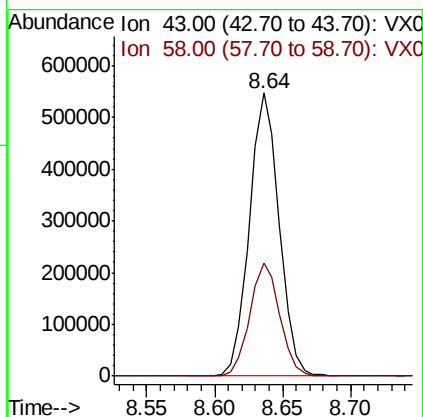
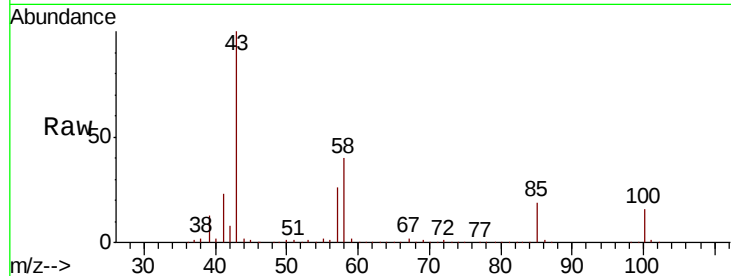
58 40.2 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:11 PM



#52

Toluene

Concen: 48.596 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012856.D

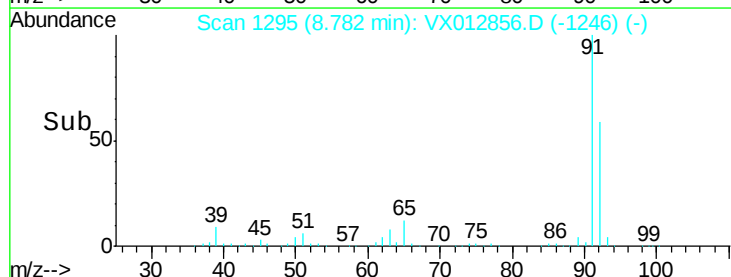
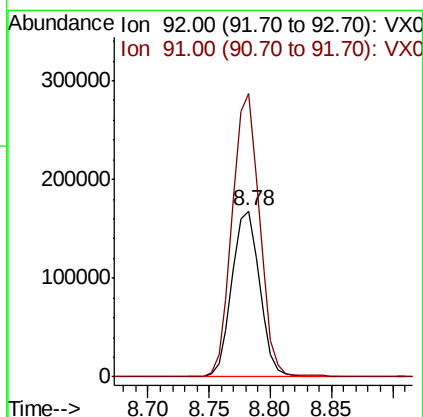
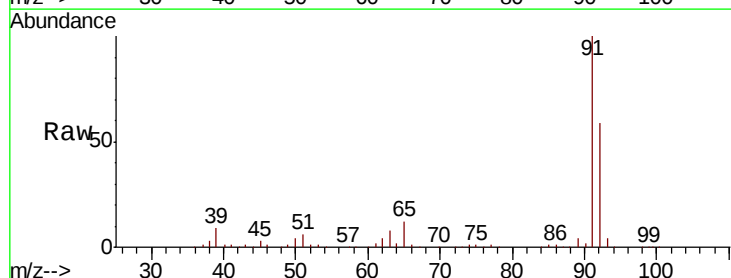
Acq: 07 Oct 2019 22:36

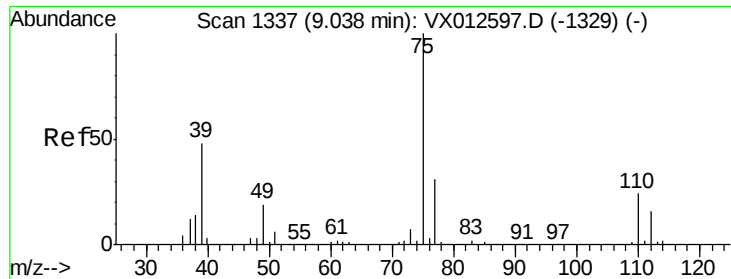
Tgt Ion: 92 Resp: 263638

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0





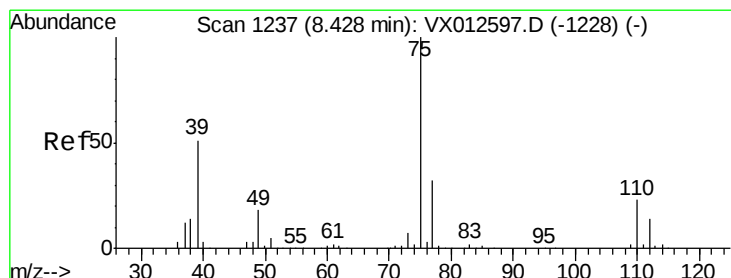
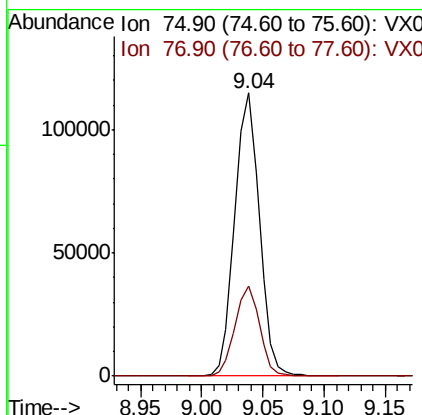
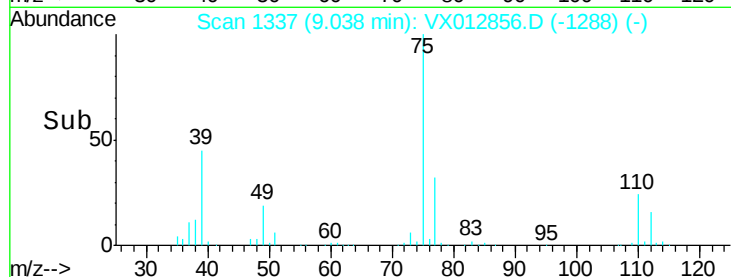
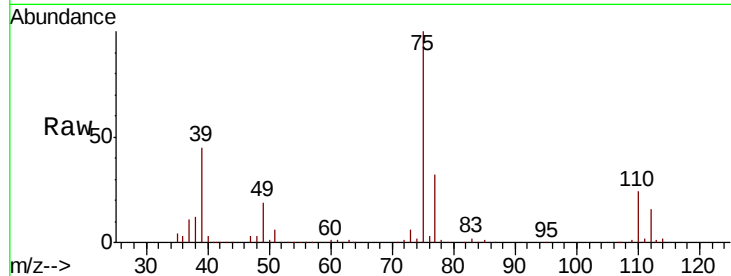
#53
t-1,3-Dichloropropene
Concen: 48.172 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 160276
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

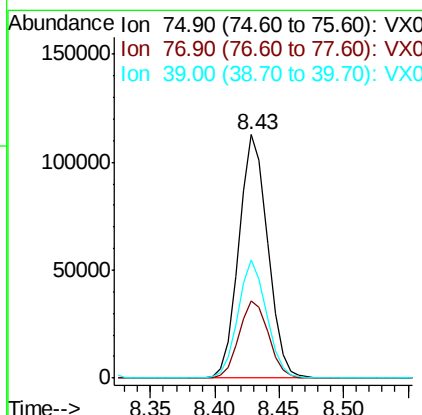
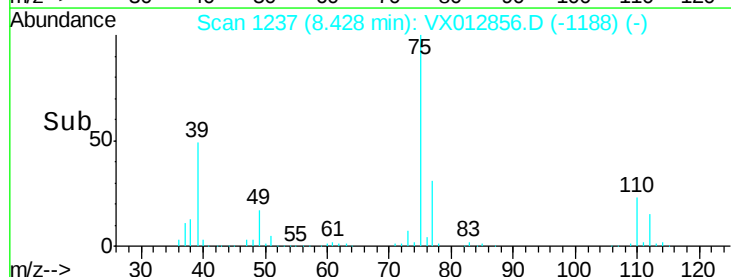
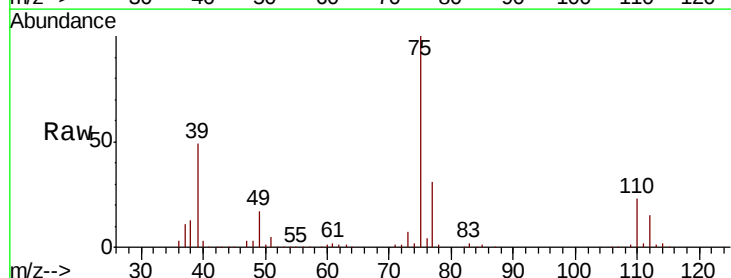
Manual Integrations
APPROVED

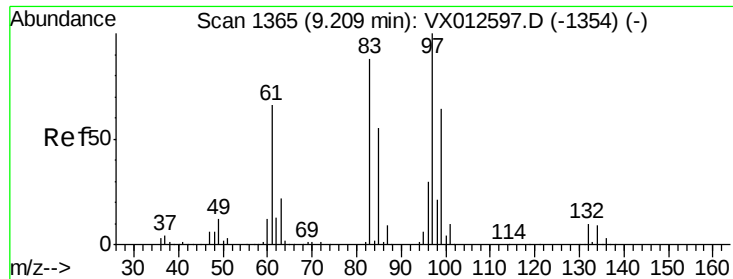
MMDadoda
10/8/2019 2:07:11 PM



#54
cis-1,3-Dichloropropene
Concen: 48.161 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion: 75 Resp: 174956
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.8
39 48.6 45.5 68.3





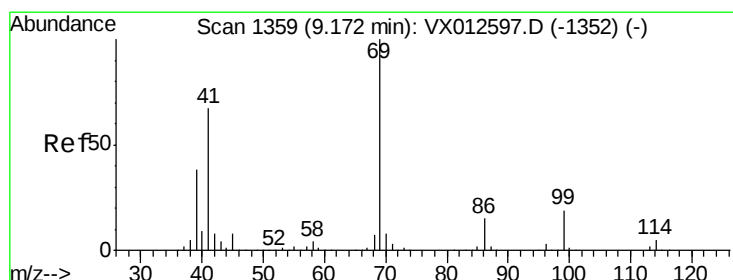
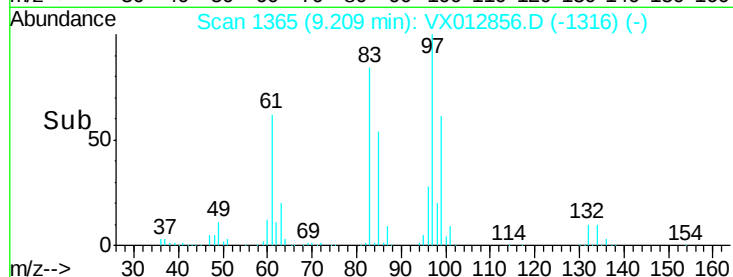
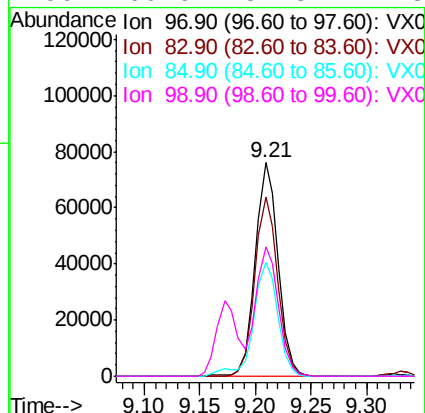
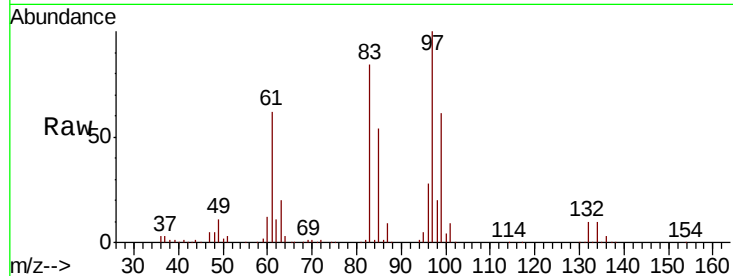
#55
 1,1,2-Trichloroethane
 Concen: 50.597 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	109130
Ion Ratio	Lower	Upper	
97	100		
83	83.9	67.4	101.2
85	53.6	43.5	65.3
99	60.6	51.8	77.8

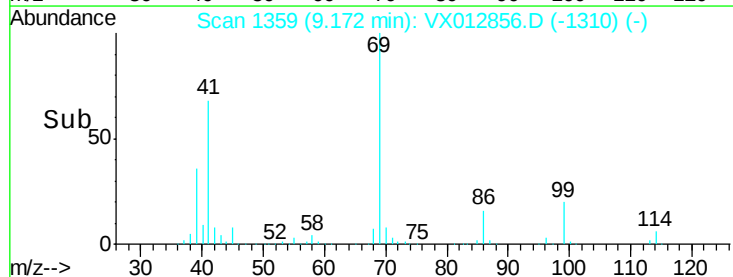
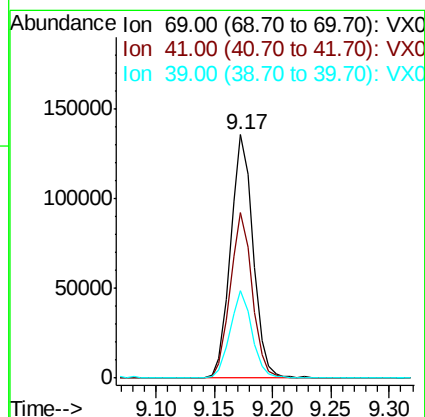
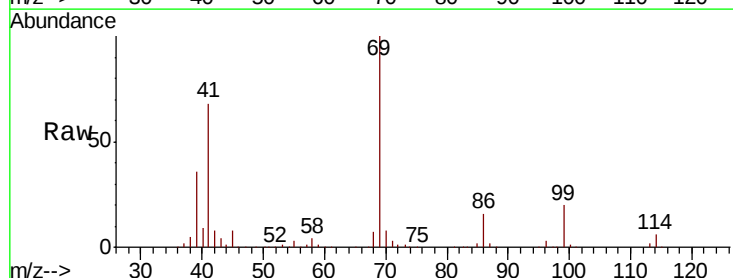
Manual Integrations
 APPROVED

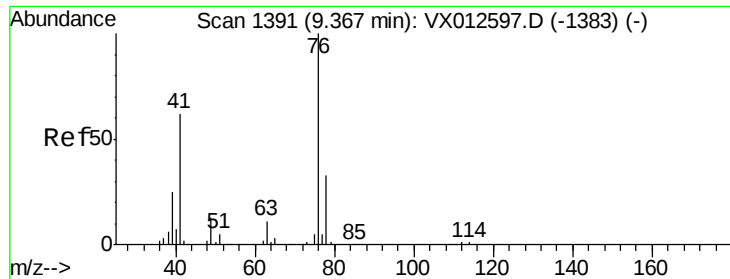
MMDadoda
 10/8/2019 2:07:11 PM



#56
 Ethyl methacrylate
 Concen: 50.527 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	69	Resp	183084
Ion Ratio	Lower	Upper	
69	100		
41	66.6	58.4	87.6
39	34.9	33.4	50.0





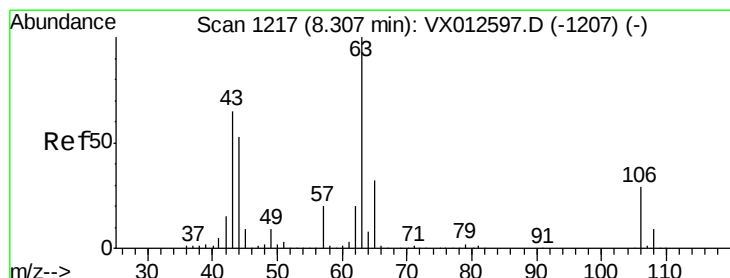
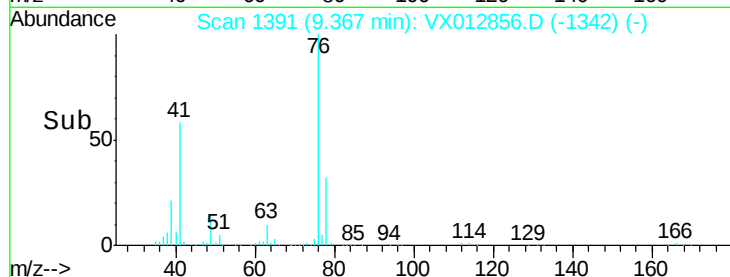
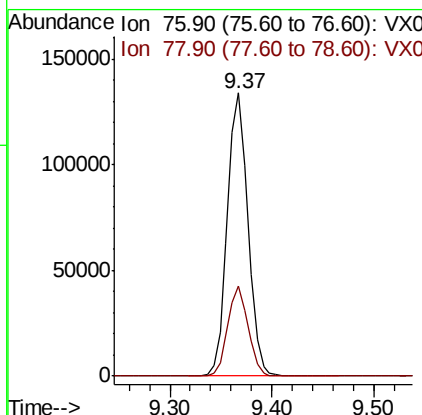
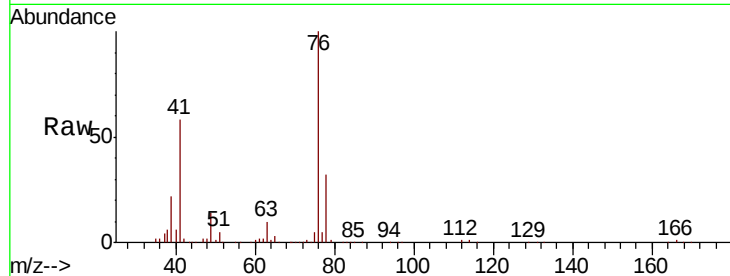
#57
 1,3-Dichloropropane
 Concen: 49.608 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 187263
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.2 39.2

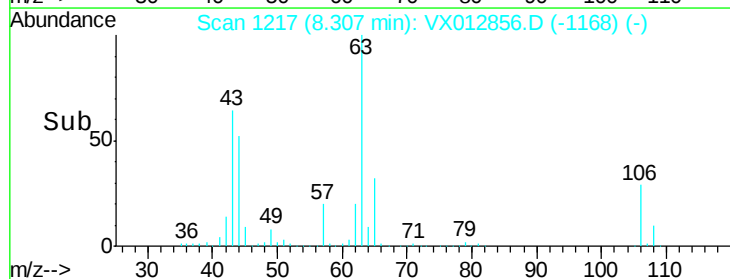
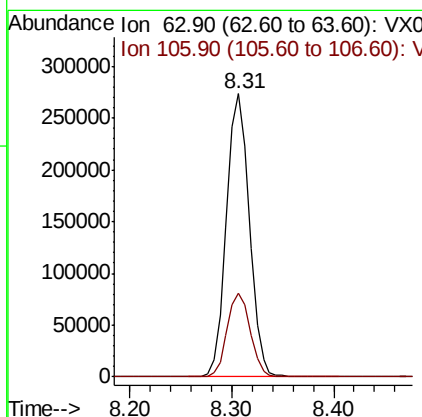
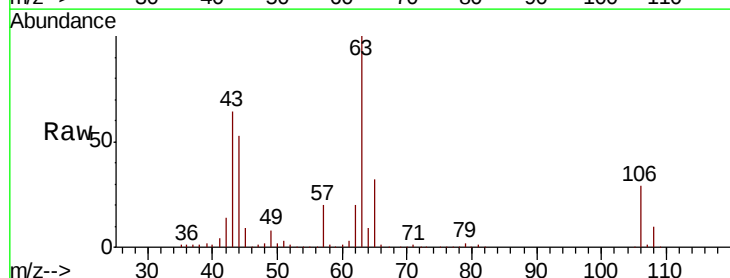
Manual Integrations
 APPROVED

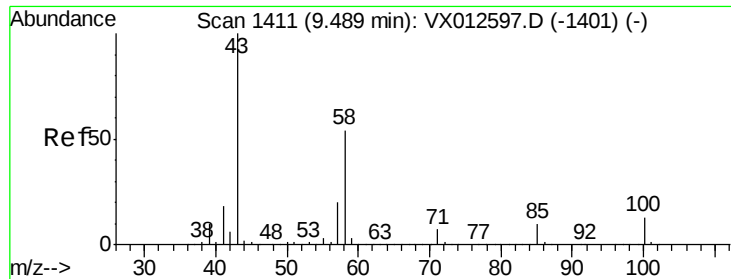
MMDadoda
 10/8/2019 2:07:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.955 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion: 63 Resp: 426070
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.6





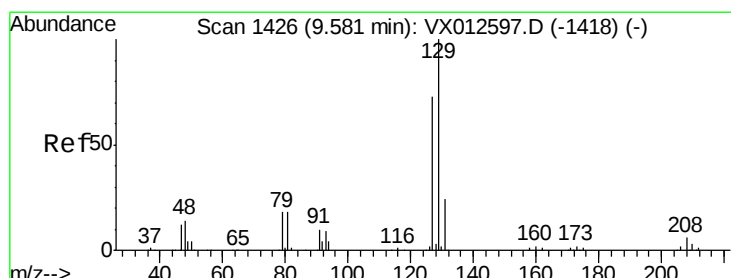
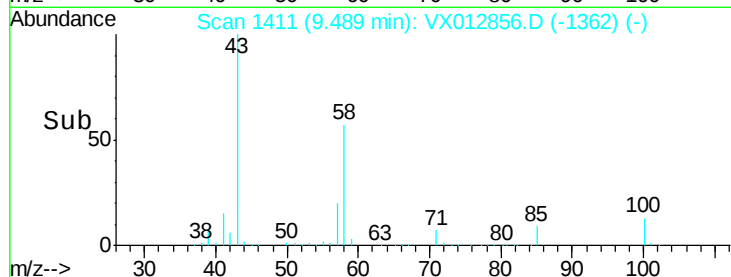
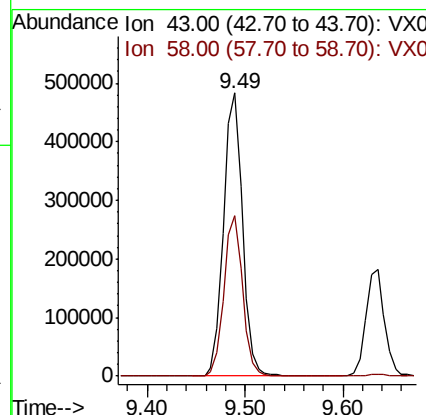
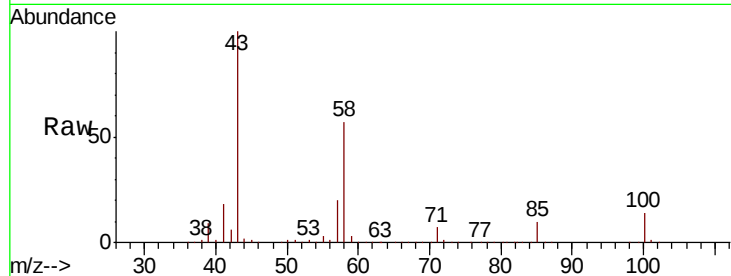
#59
 2-Hexanone
 Concen: 240.812 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 652611
 Ion Ratio Lower Upper
 43 100
 58 55.9 25.7 77.1

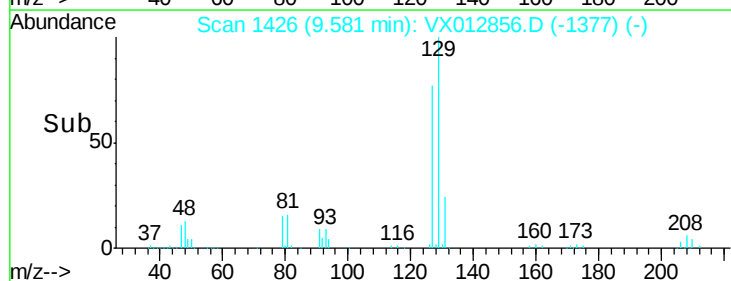
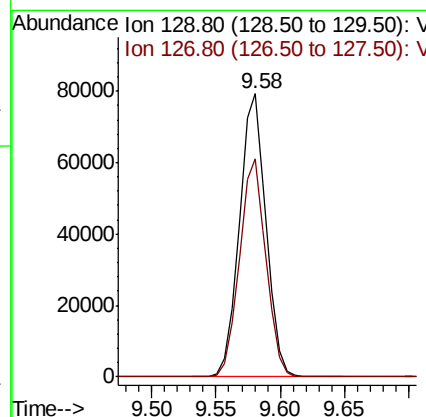
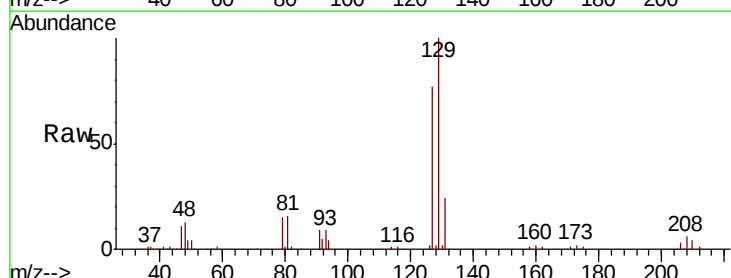
Manual Integrations
 APPROVED

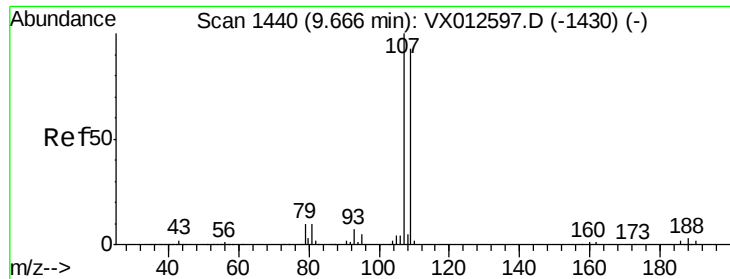
MMDadoda
 10/8/2019 2:07:11 PM



#60
 Dibromochloromethane
 Concen: 51.889 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion: 129 Resp: 113293
 Ion Ratio Lower Upper
 129 100
 127 76.5 38.9 116.6





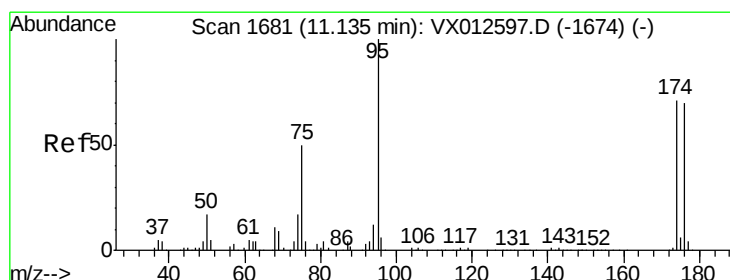
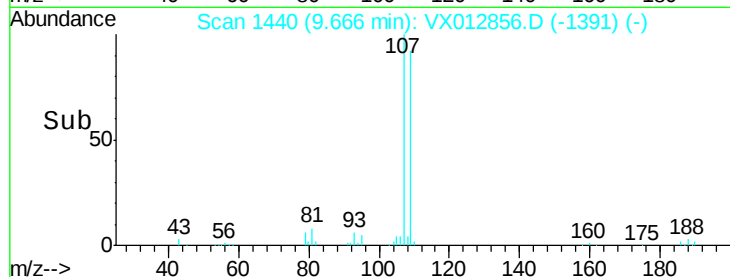
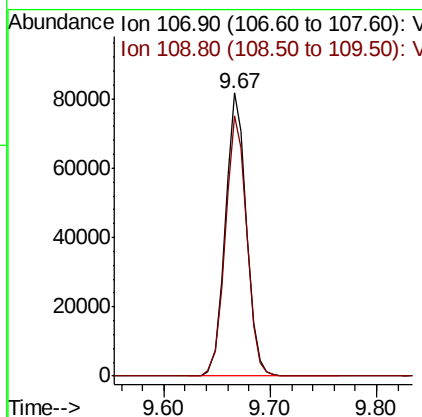
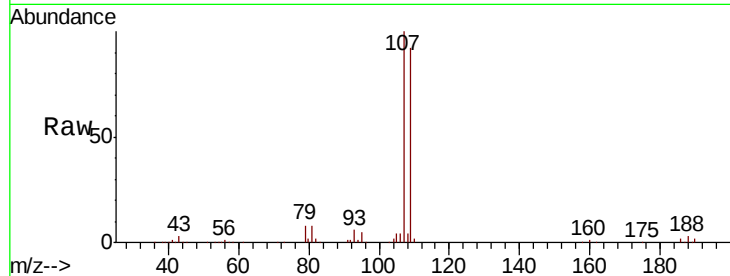
#61
 1,2-Dibromoethane
 Concen: 50.470 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	113290		
109	93.6	74.7	112.1	

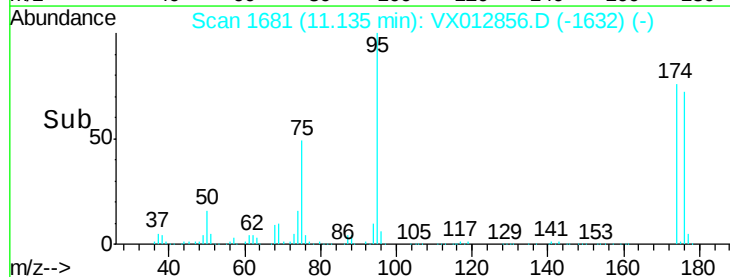
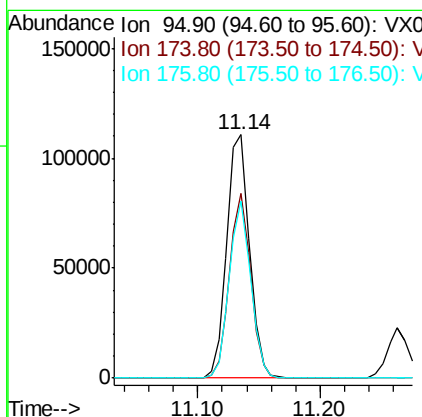
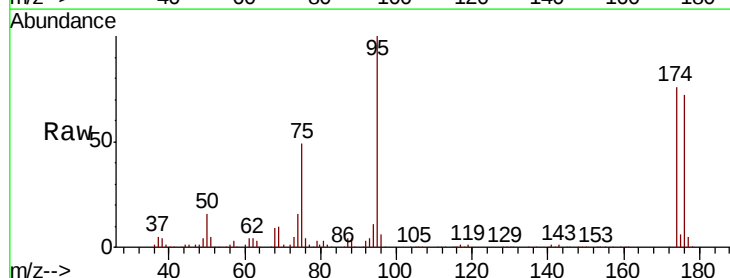
Manual Integrations
 APPROVED

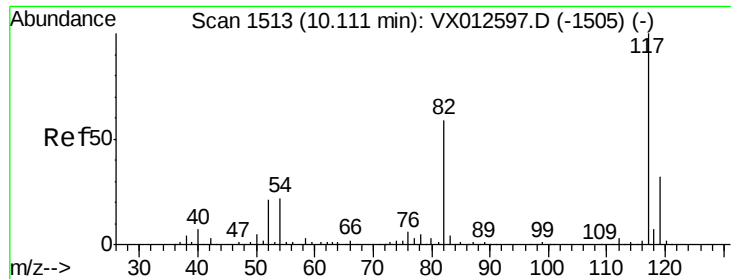
MMDadoda
 10/8/2019 2:07:11 PM



#62
 4-Bromofluorobenzene
 Concen: 51.721 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	141957		
174	71.2	0.0	140.0	
176	68.6	0.0	135.4	





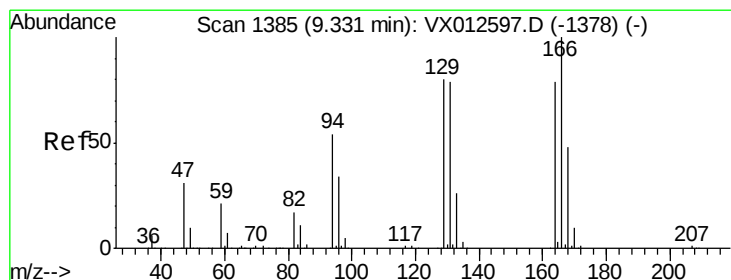
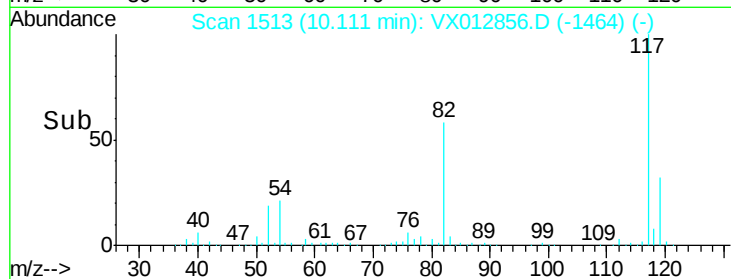
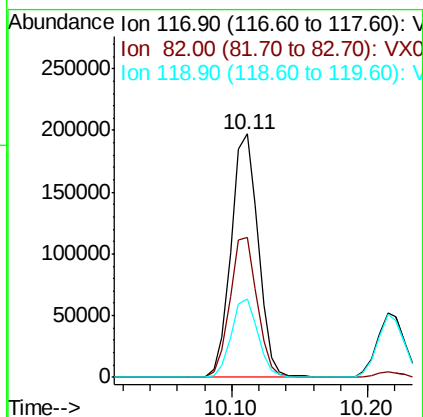
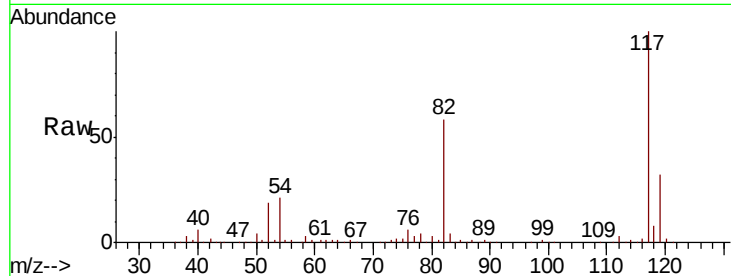
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.9	68.9
119	32.3	25.3	37.9

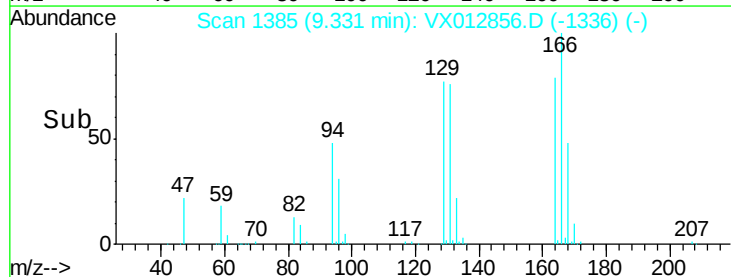
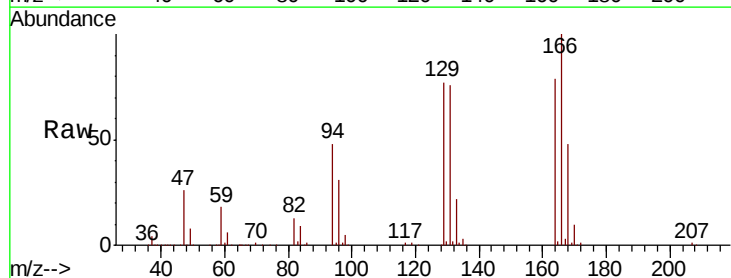
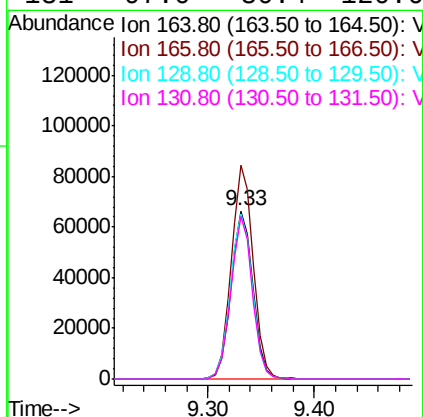
Manual Integrations
APPROVED

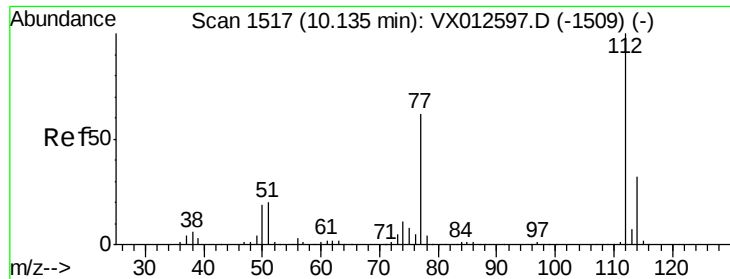
MMDadoda
10/8/2019 2:07:11 PM



#64
Tetrachloroethene
Concen: 50.323 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	107.8	161.6
129	98.2	86.2	129.2
131	97.0	80.4	120.6





#65

Chlorobenzene

Concen: 48.705 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 280231

Ion Ratio Lower Upper

112 100

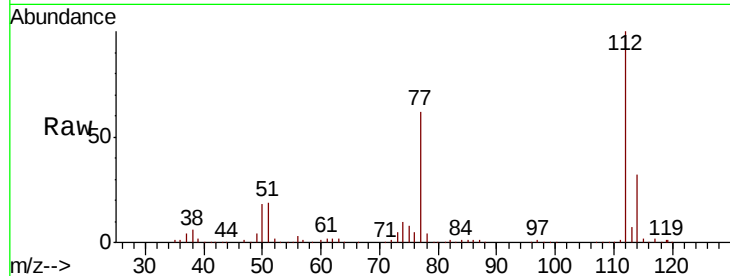
114 32.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

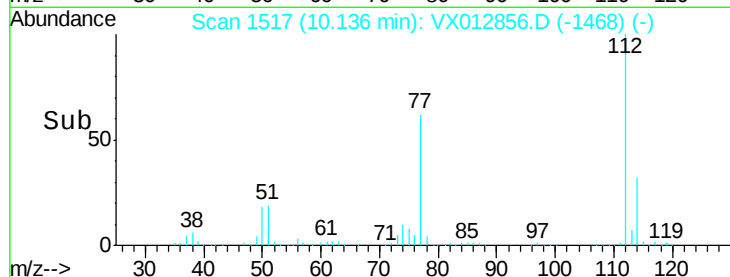
10/8/2019 2:07:11 PM



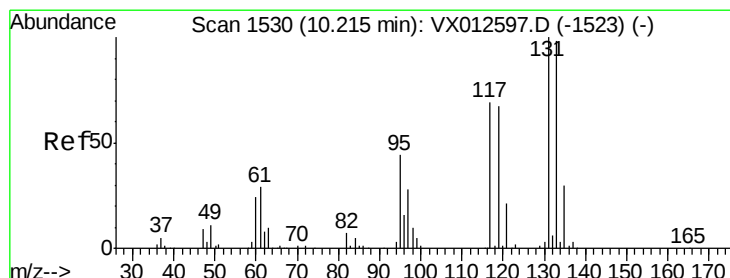
Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.438 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

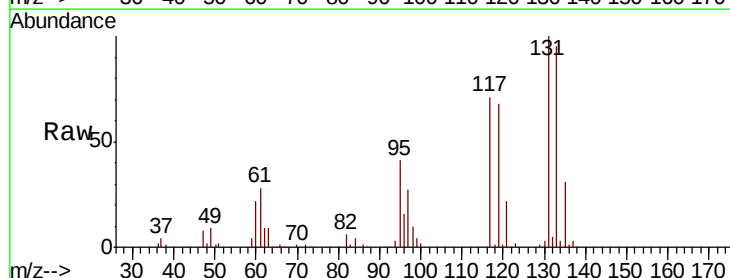
Tgt Ion:131 Resp: 105146

Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.9

119 65.8 31.3 93.8

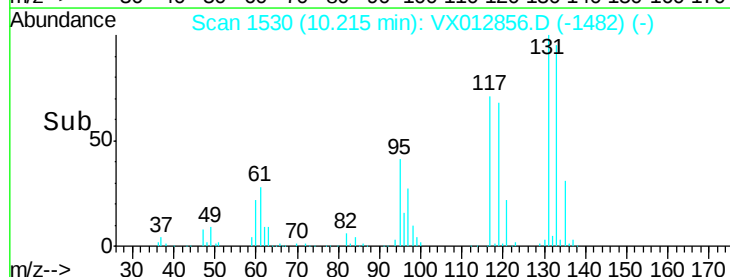


Abundance Ion 130.80 (130.50 to 131.50): V

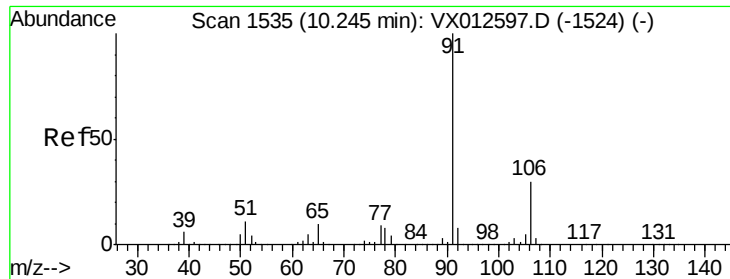
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21



Time-->



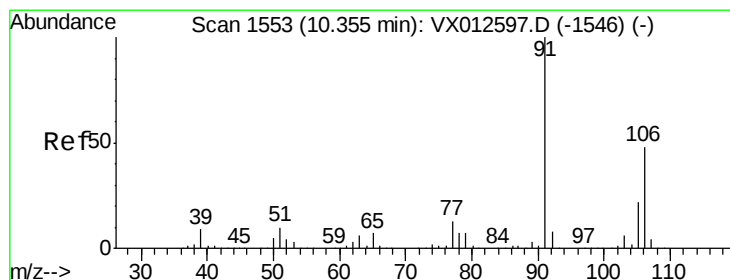
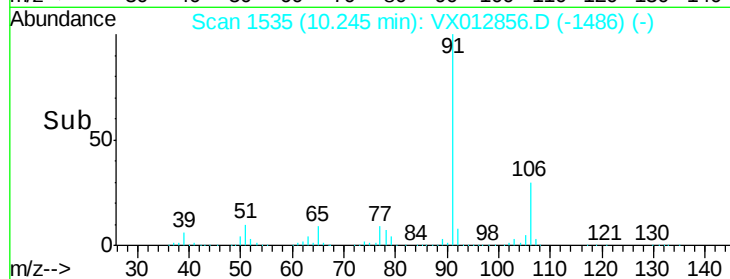
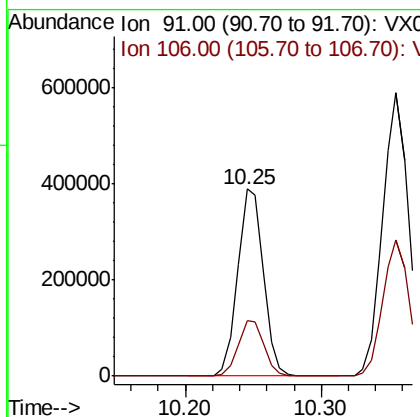
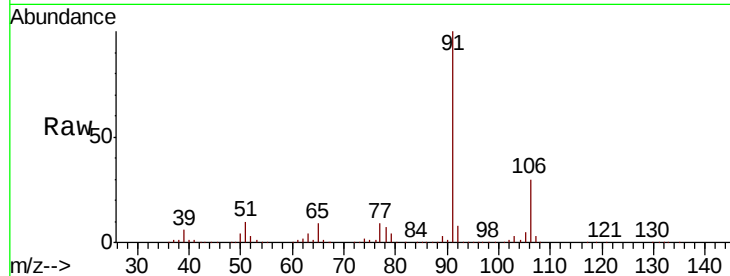
#67
Ethyl Benzene
Concen: 49.303 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 514503
Ion Ratio Lower Upper
91 100
106 30.0 24.6 37.0

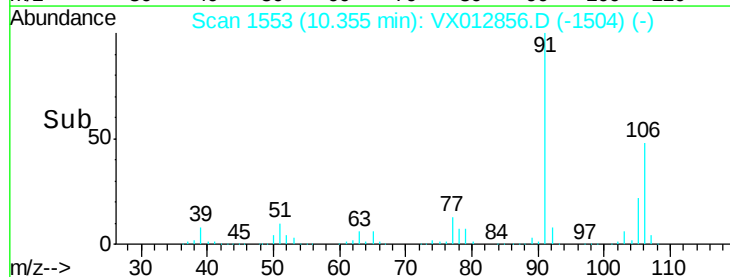
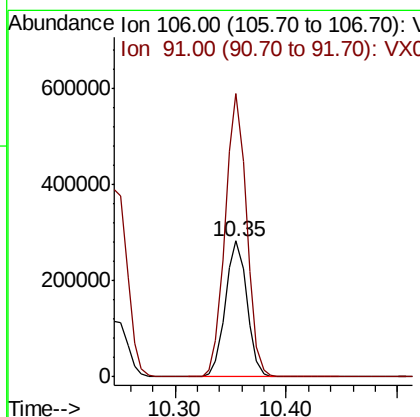
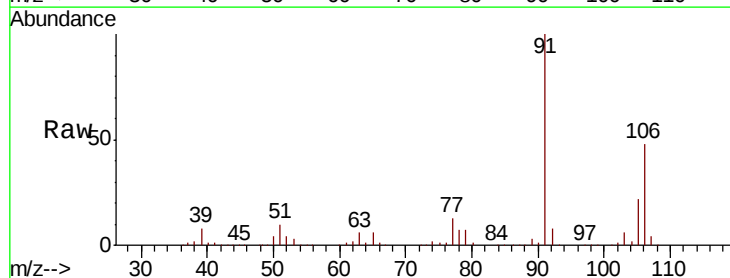
Manual Integrations
APPROVED

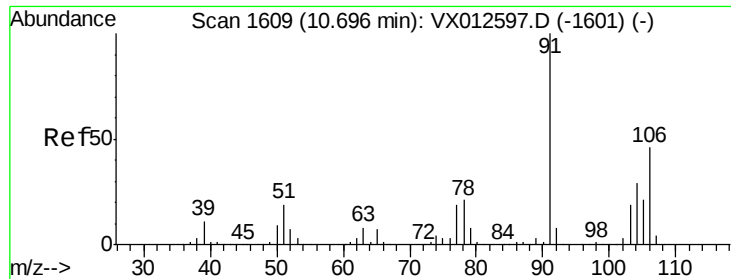
MMDadoda
10/8/2019 2:07:11 PM



#68
m/p-Xylenes
Concen: 97.438 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion: 106 Resp: 380903
Ion Ratio Lower Upper
106 100
91 206.3 166.6 250.0





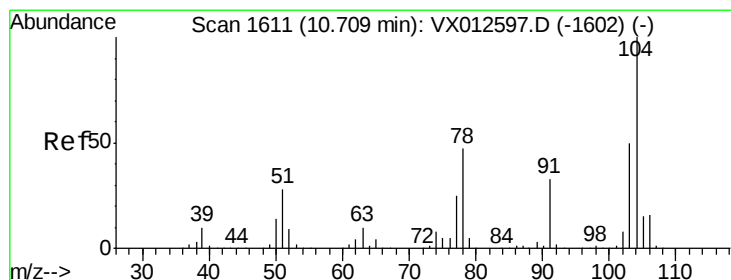
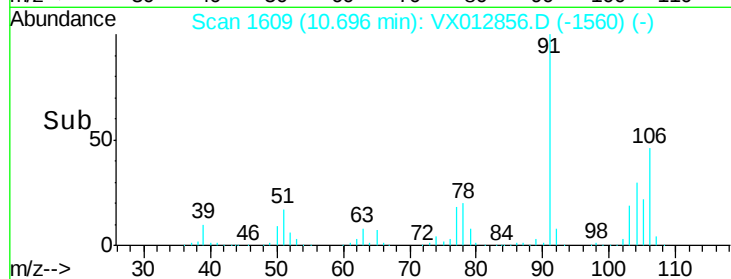
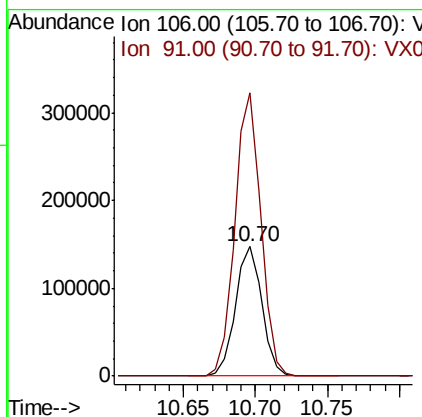
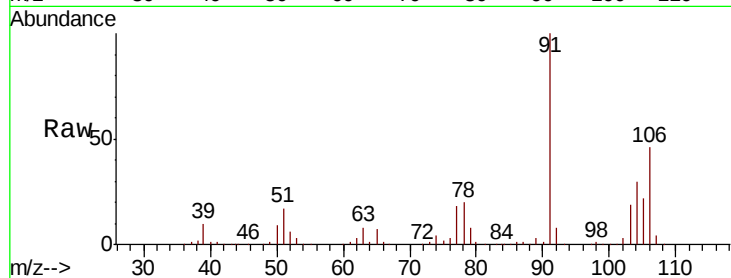
#69
o-Xylene
Concen: 49.917 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.0	109.4	328.2

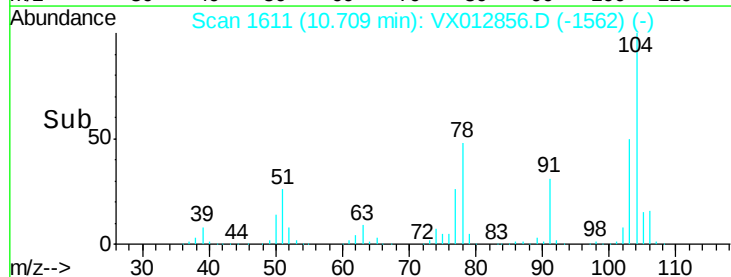
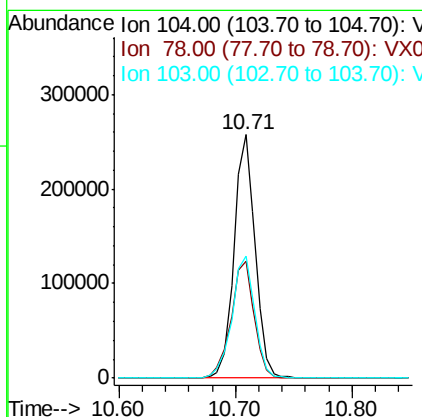
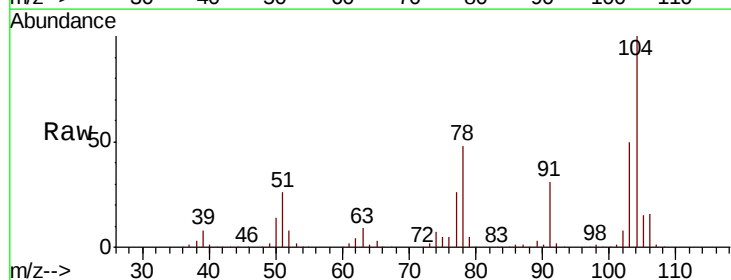
Manual Integrations
APPROVED

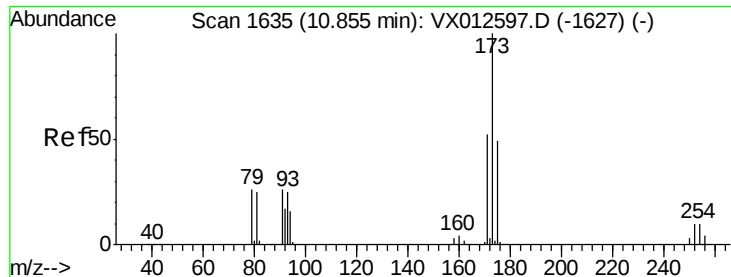
MMDadoda
10/8/2019 2:07:11 PM



#70
Styrene
Concen: 51.055 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.4	65.2
103	54.2	43.3	64.9





#71

Bromoform

Concen: 53.888 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78223

Ion Ratio Lower Upper

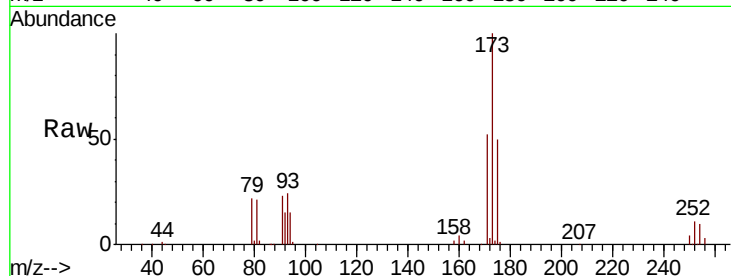
173 100

175 49.3 23.7 71.1

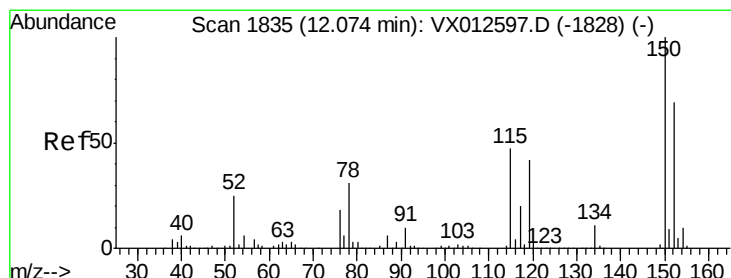
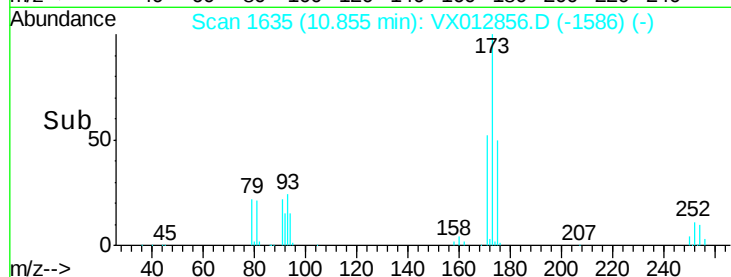
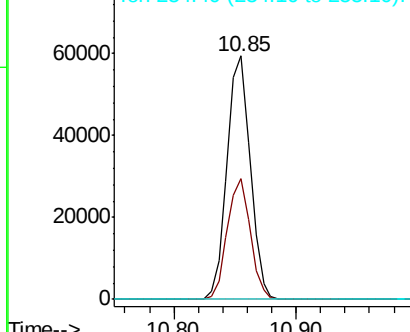
254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

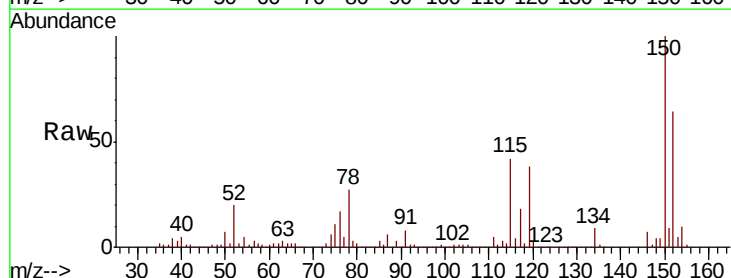
Tgt Ion:152 Resp: 129594

Ion Ratio Lower Upper

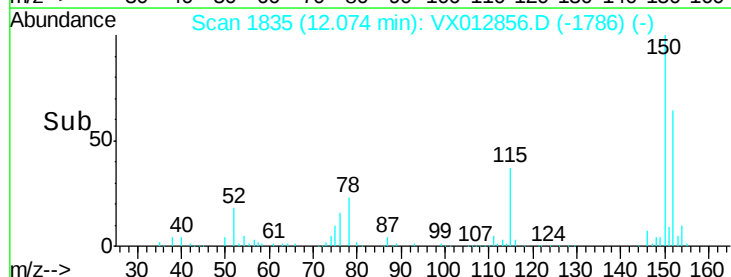
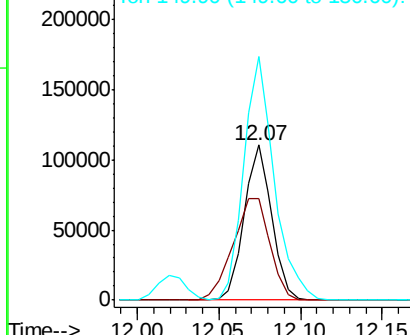
152 100

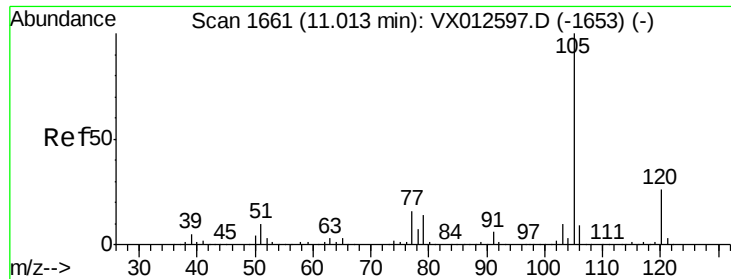
115 88.1 44.1 132.3

150 175.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.658 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 503033

Ion Ratio Lower Upper

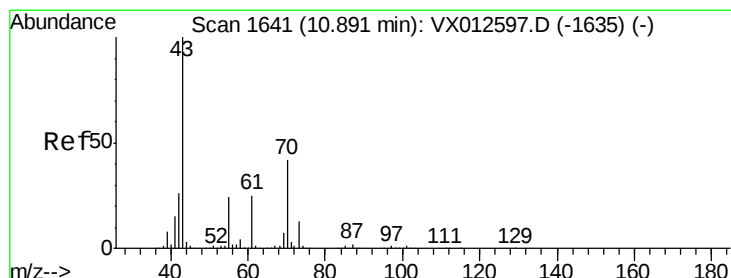
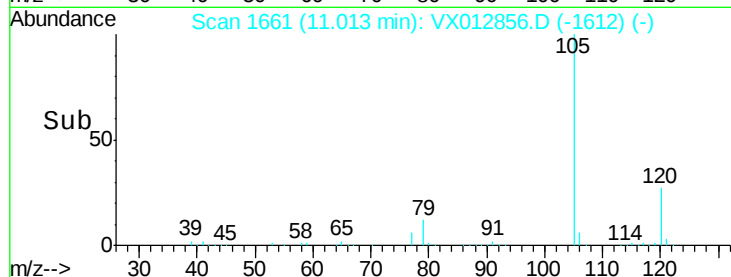
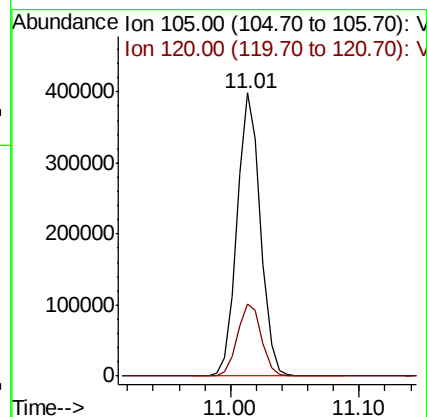
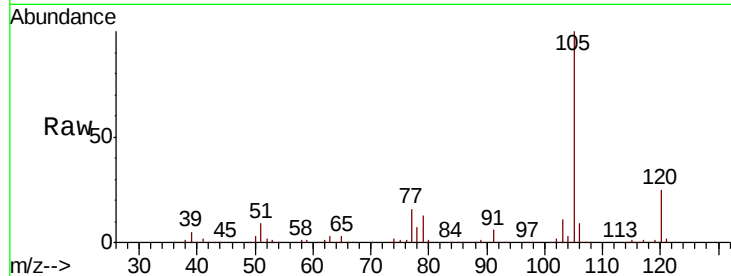
105 100

120 26.0 12.9 38.7

Manual Integrations
APPROVED

MMDadoda

10/8/2019 2:07:11 PM



#74

N-ethyl acetate

Concen: 47.910 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion: 43 Resp: 241249

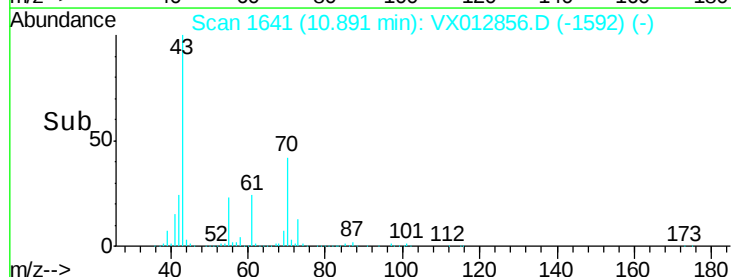
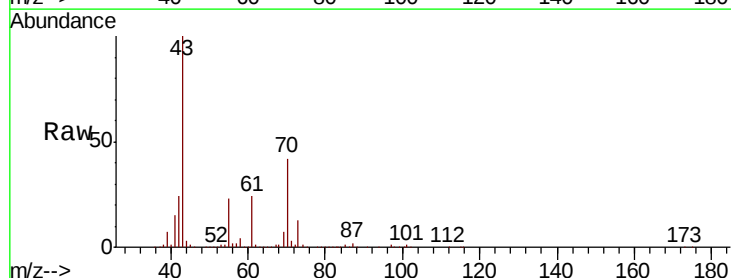
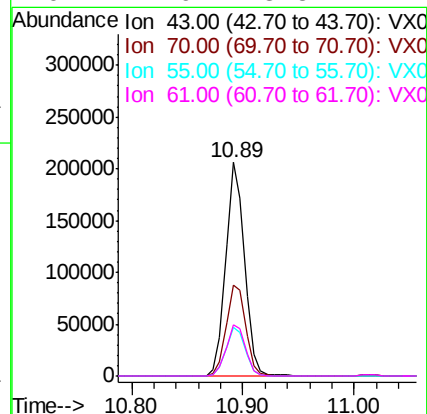
Ion Ratio Lower Upper

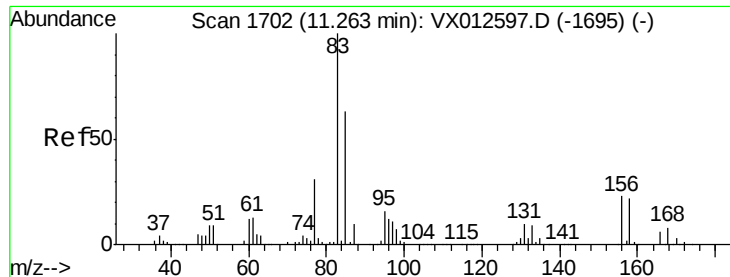
43 100

70 44.2 32.4 48.6

55 23.7 18.2 27.4

61 24.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.464 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

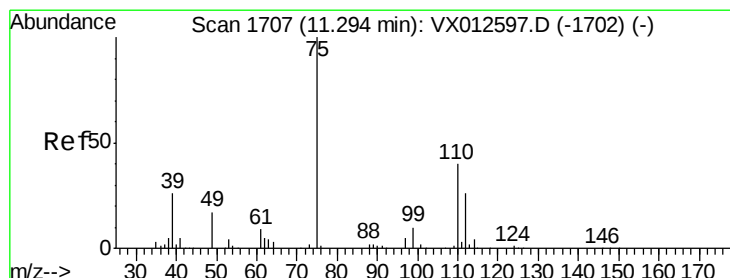
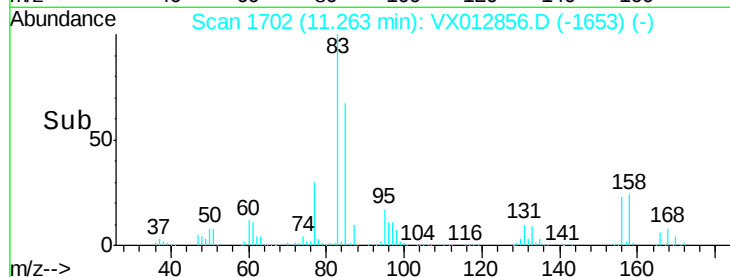
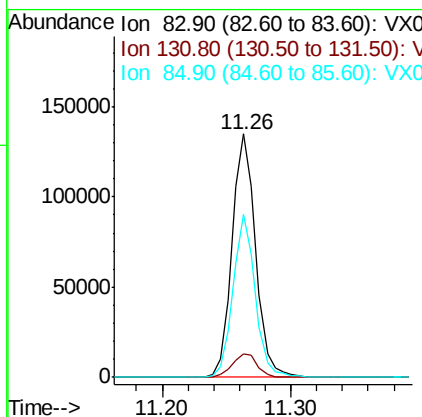
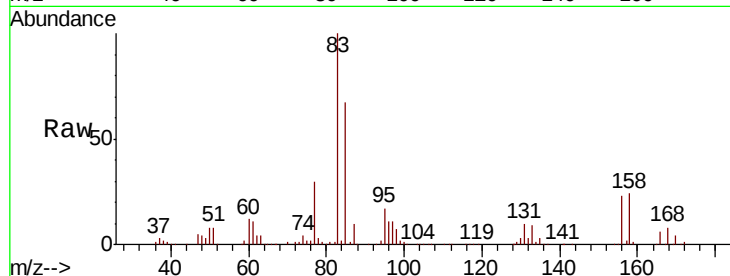
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172908
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	63.3	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#76

1,2,3-Trichloropropane

Concen: 46.627 ug/l m

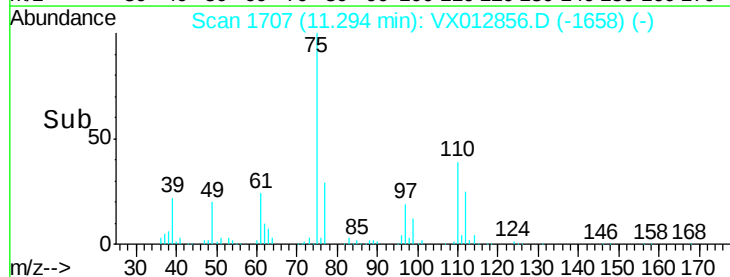
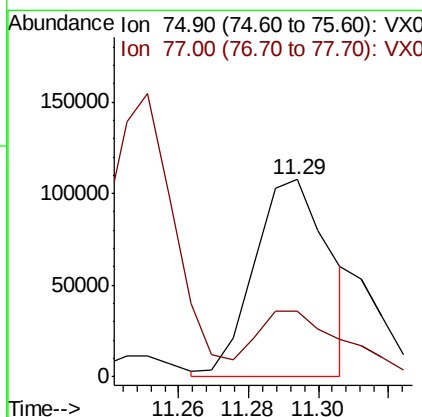
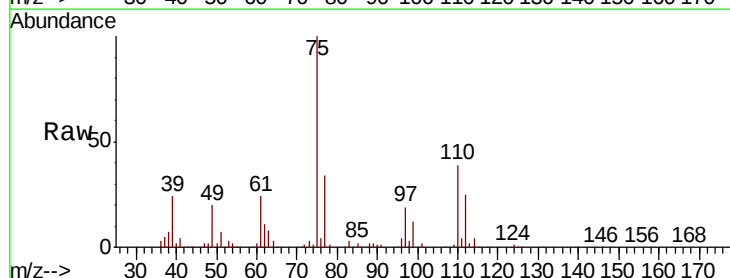
RT: 11.29 min Scan# 1707

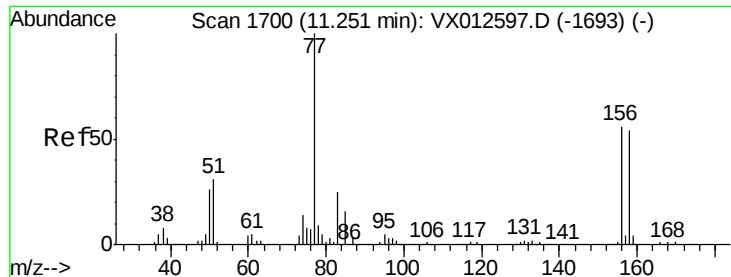
Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	75	Resp:	159842
Ion Ratio	Lower	Upper	
75	100		
77	39.3	19.7	59.0





#77

Bromobenzene

Concen: 48.554 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

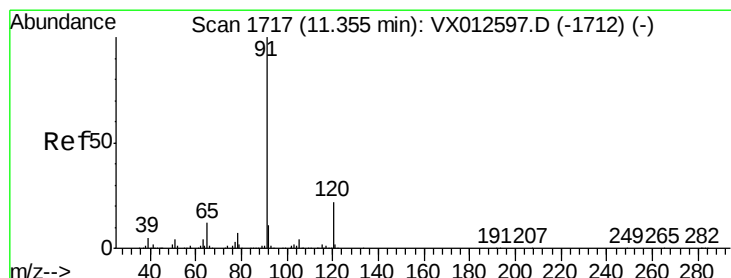
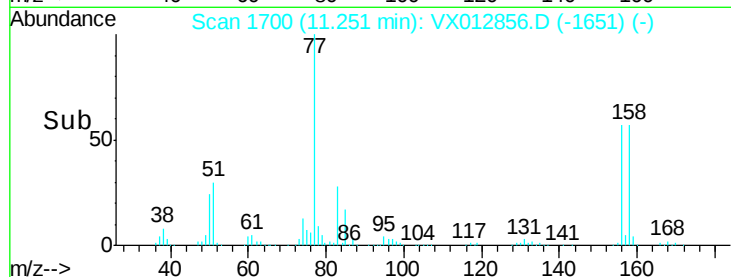
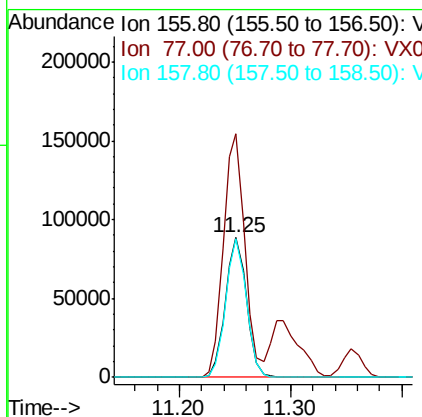
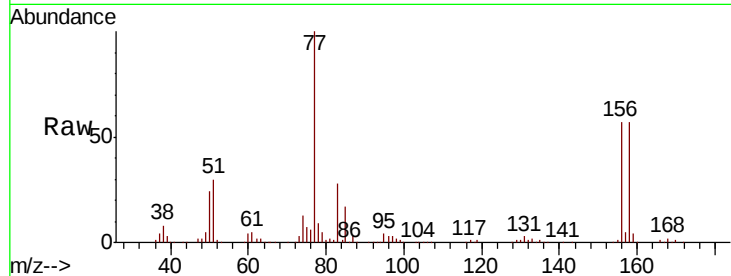
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	115990
Ion Ratio	Lower	Upper	
156	100		
77	177.4	87.3	261.8
158	97.7	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#78

n-propylbenzene

Concen: 47.946 ug/l

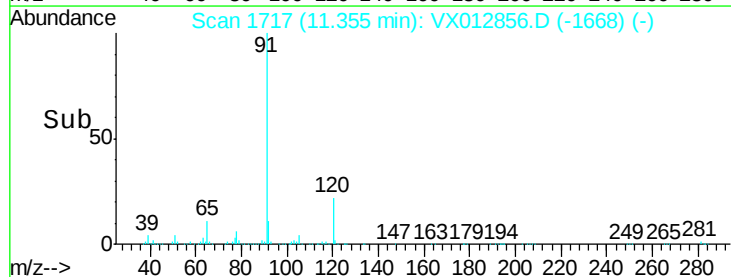
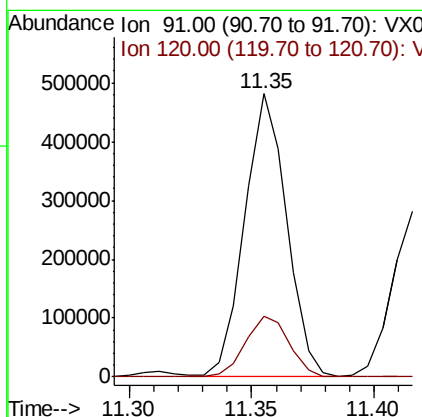
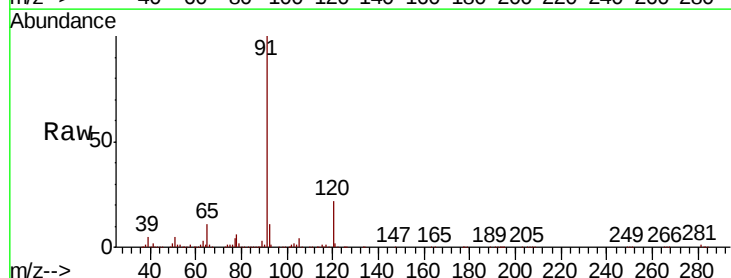
RT: 11.35 min Scan# 1717

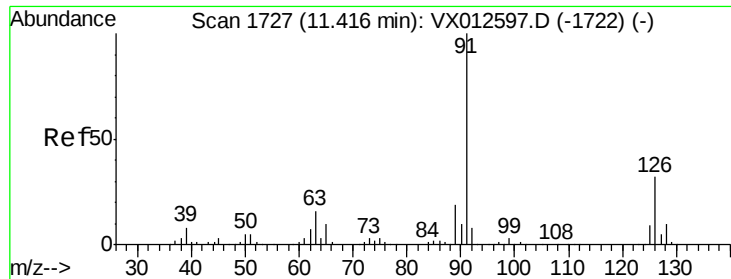
Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Tgt Ion:	91	Resp:	569743
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.8





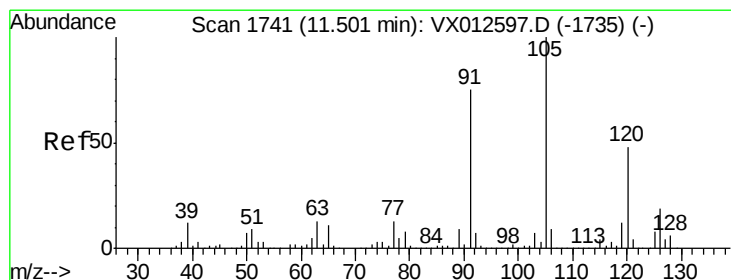
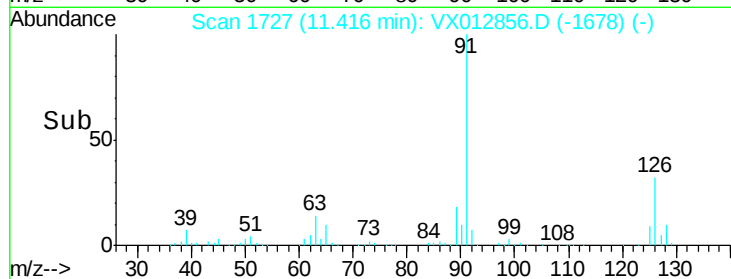
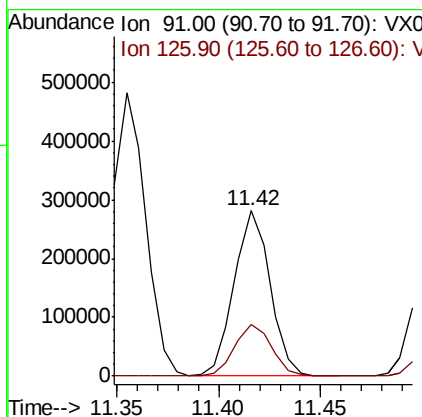
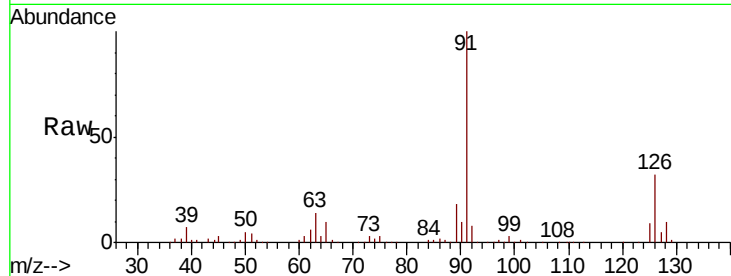
#79
 2-Chlorotoluene
 Concen: 46.297 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 343198
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.4

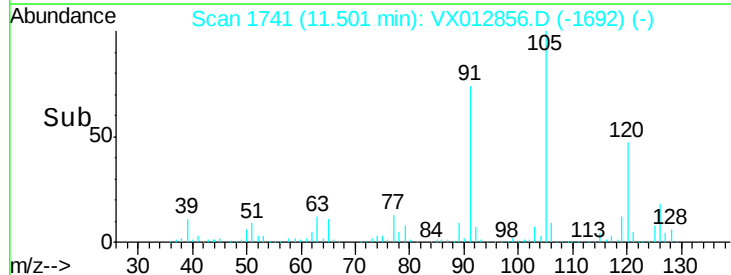
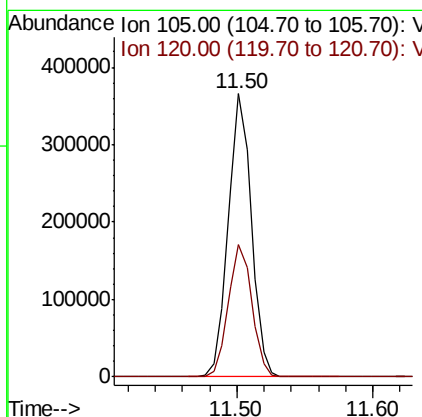
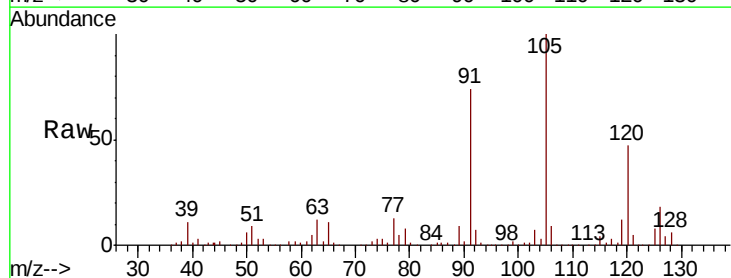
Manual Integrations
 APPROVED

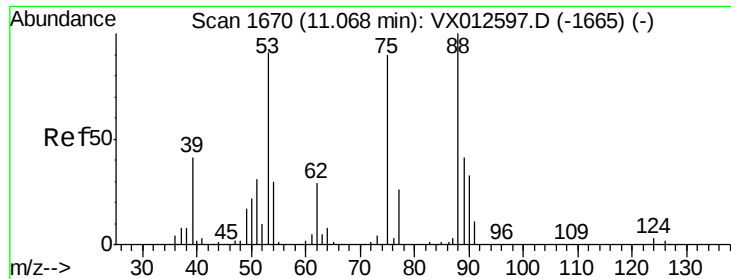
MMDadoda
 10/8/2019 2:07:11 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.650 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion: 105 Resp: 430613
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.8





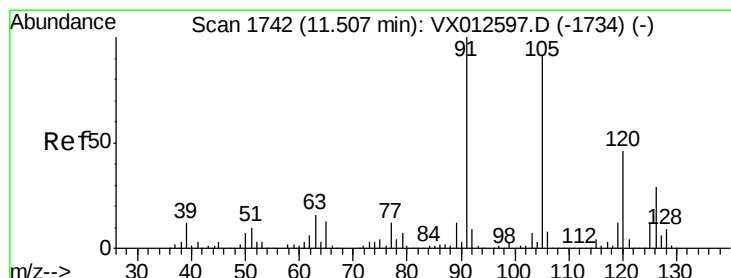
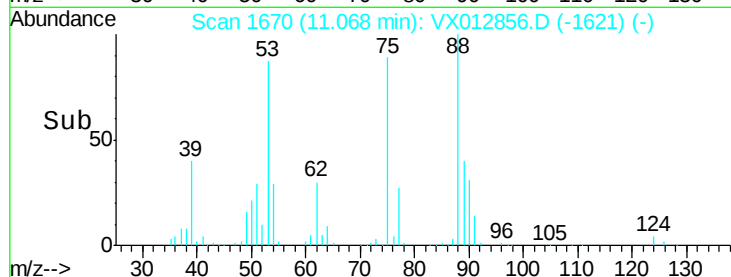
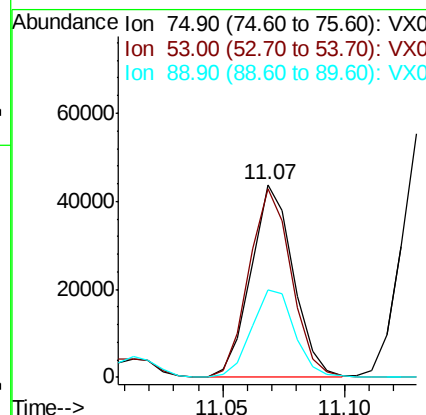
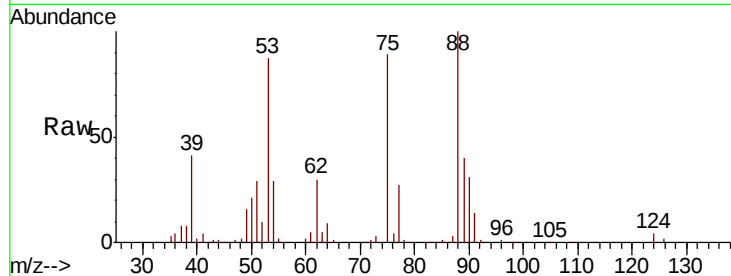
#81
trans-1,4-Dichloro-2-butene
Concen: 44.029 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	83.6	125.4
89	46.4	36.3	54.5

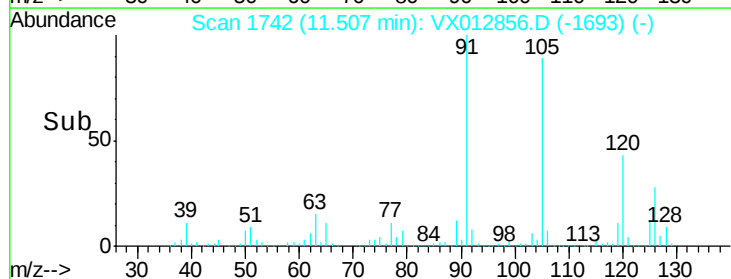
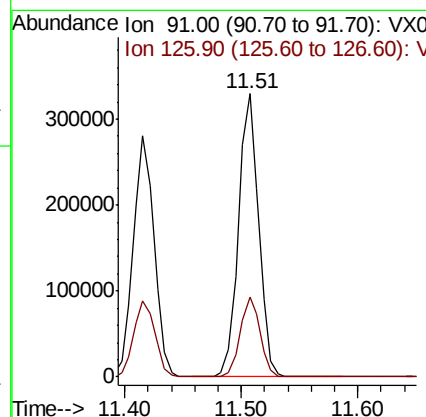
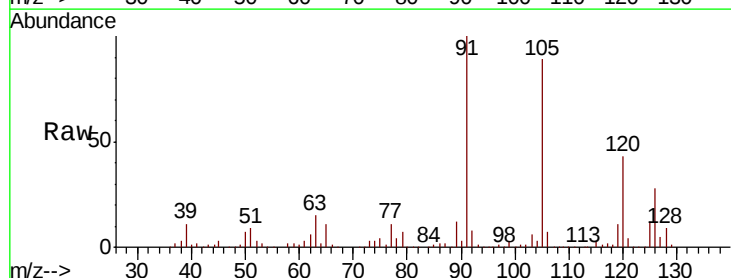
Manual Integrations
APPROVED

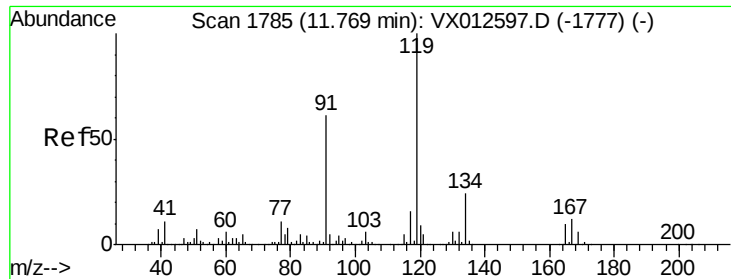
MMDadoda
10/8/2019 2:07:11 PM



#82
4-Chlorotoluene
Concen: 47.138 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.4	43.0





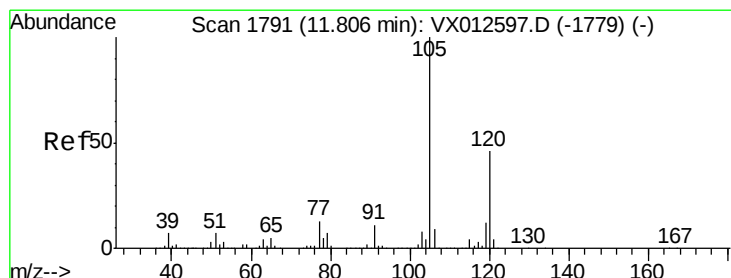
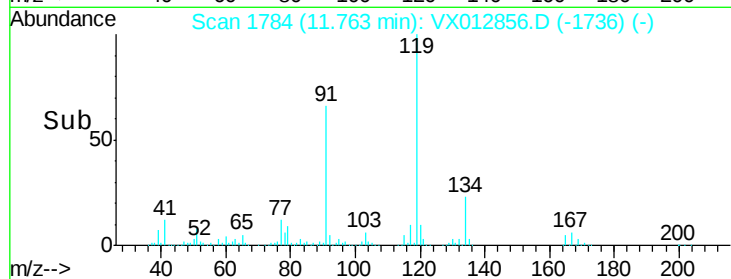
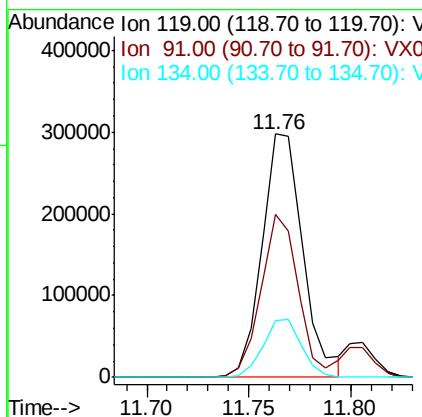
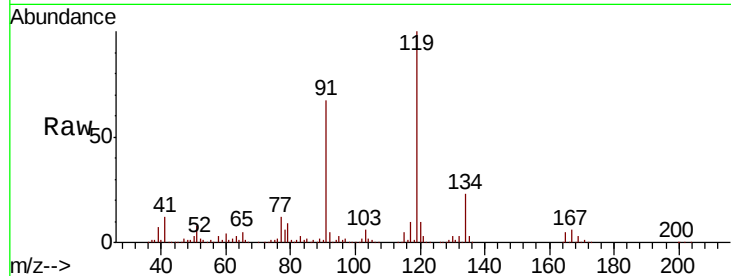
#83
 tert-Butylbenzene
 Concen: 48.653 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.0	90.0
134	22.5	11.3	33.9

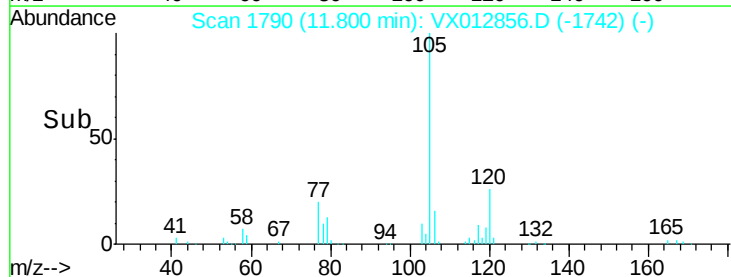
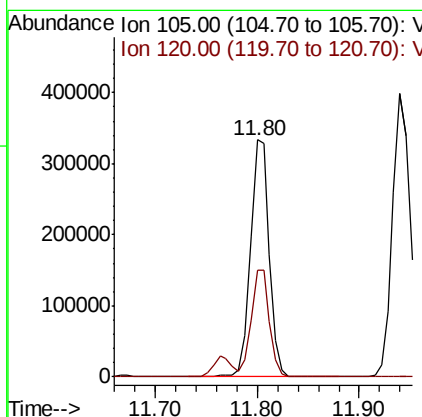
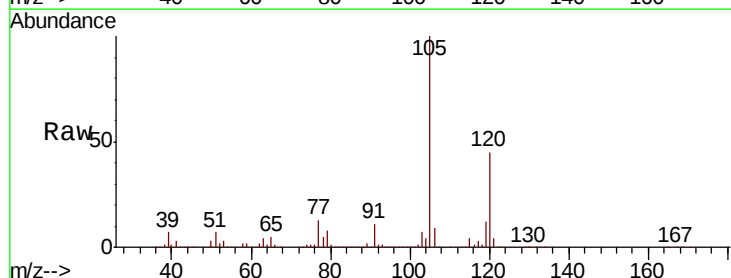
Manual Integrations
 APPROVED

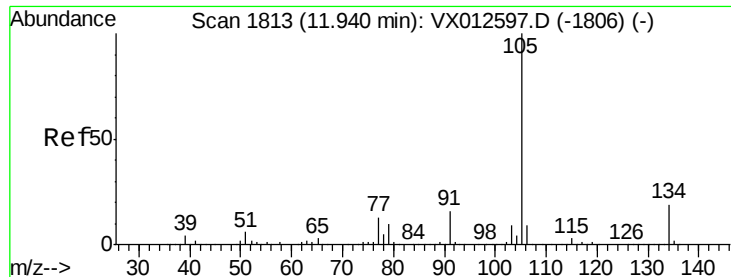
MMDadoda
 10/8/2019 2:07:11 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.119 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.2	66.6





#85

sec-Butylbenzene

Concen: 48.956 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 486173

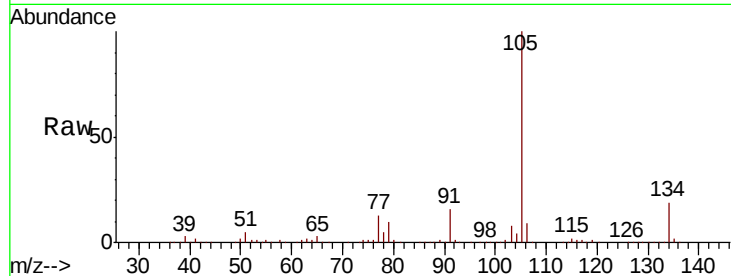
Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

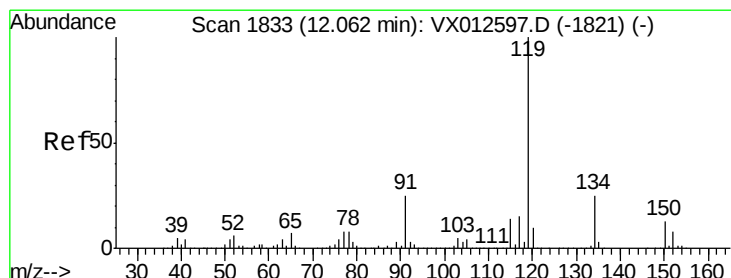
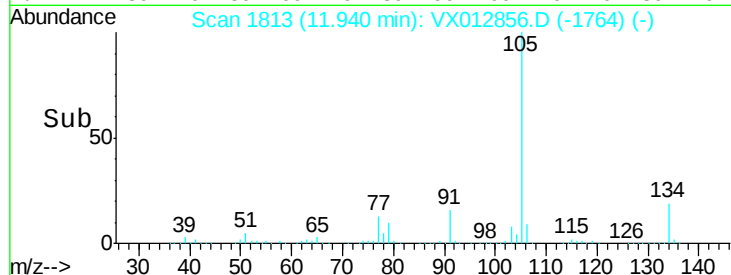
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.386 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX012856.D

Acq: 07 Oct 2019 22:36

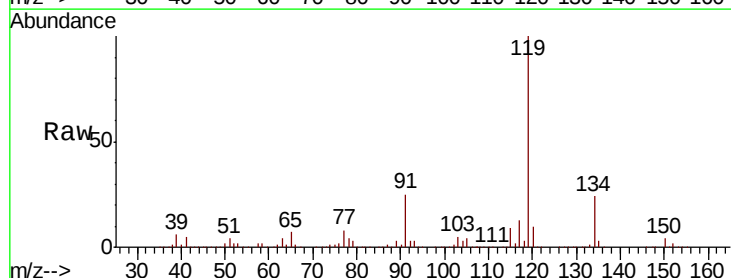
Tgt Ion:119 Resp: 442536

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.8 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

400000

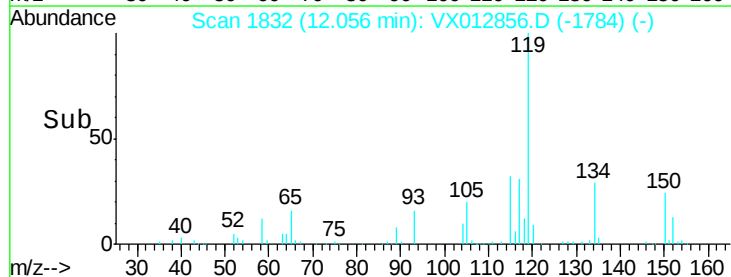
300000

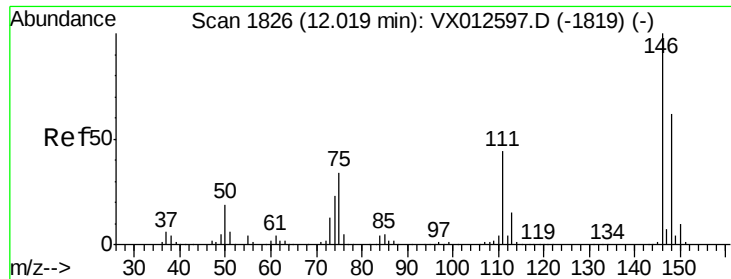
200000

100000

0

Time-->





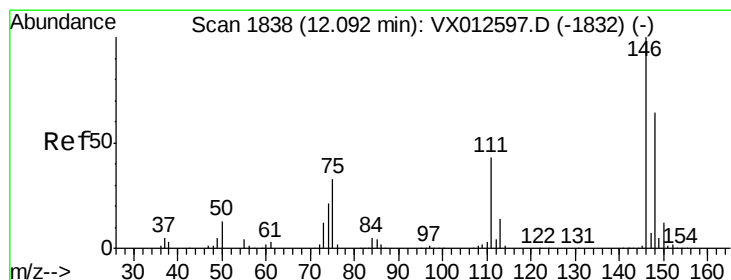
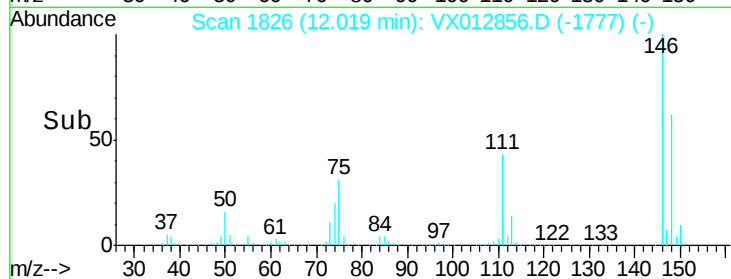
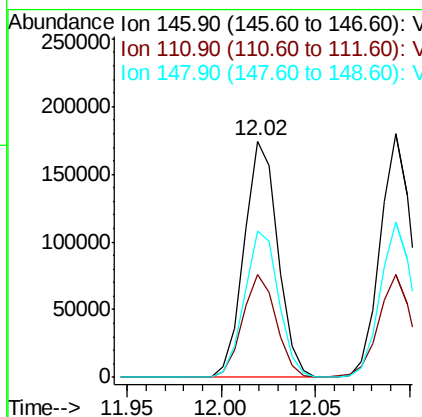
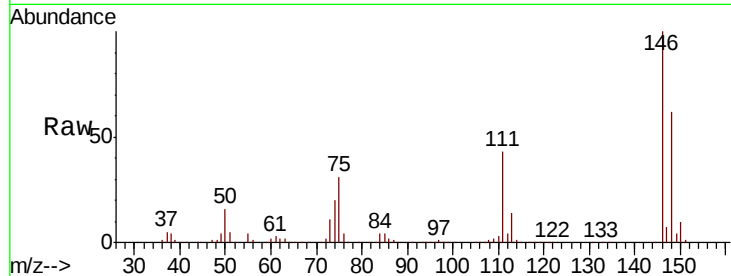
#87
 1,3-Dichlorobenzene
 Concen: 50.285 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	64.0
148	62.9	32.4	97.2

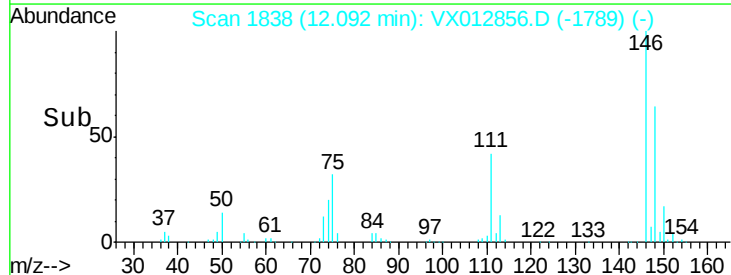
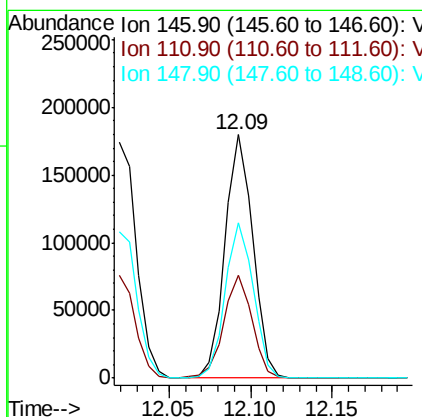
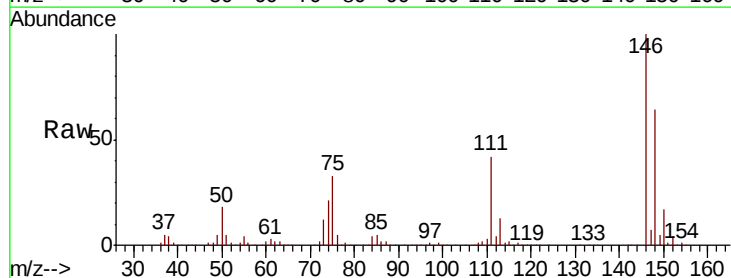
Manual Integrations
 APPROVED

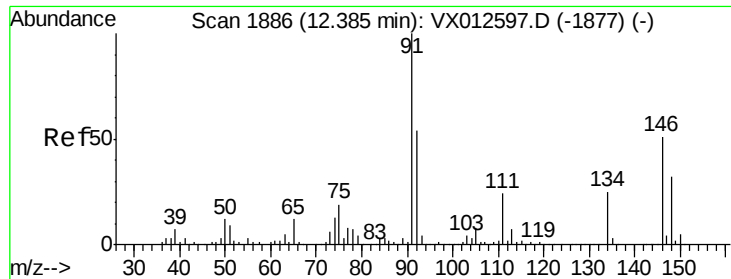
MMDadoda
 10/8/2019 2:07:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.207 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	64.7	32.1	96.5





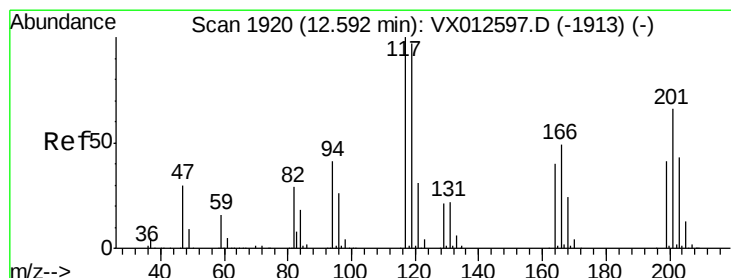
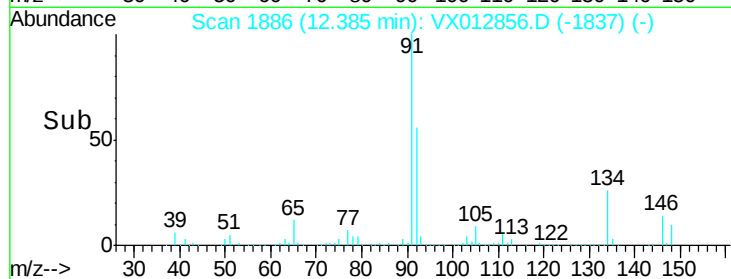
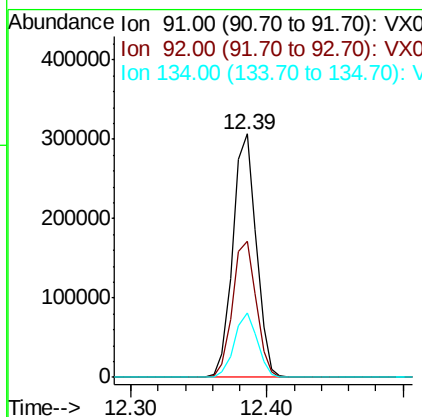
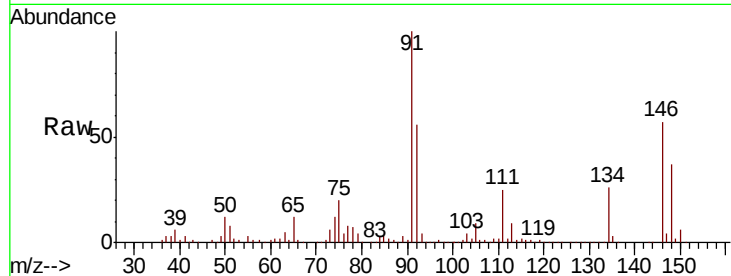
#89
n-Butylbenzene
Concen: 46.534 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.8	27.7	83.0
134	25.7	12.9	38.6

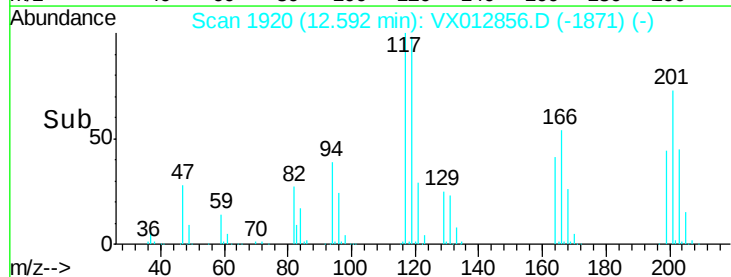
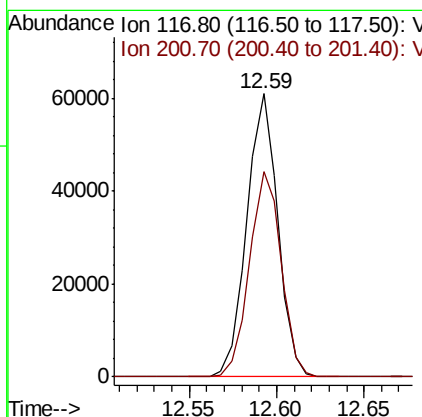
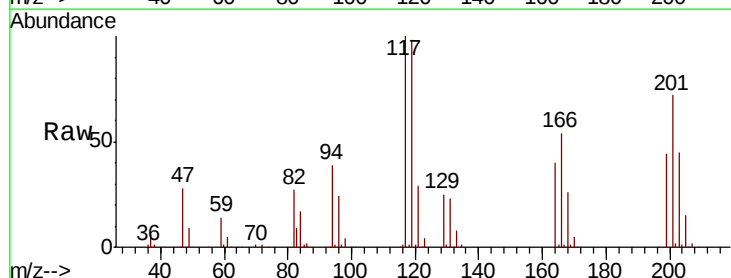
Manual Integrations
APPROVED

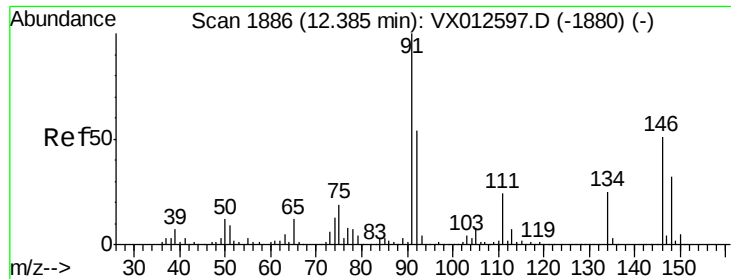
MMDadoda
10/8/2019 2:07:11 PM



#90
Hexachloroethane
Concen: 46.942 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	33.3	99.8





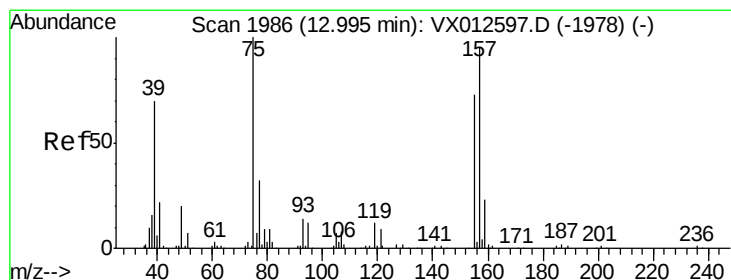
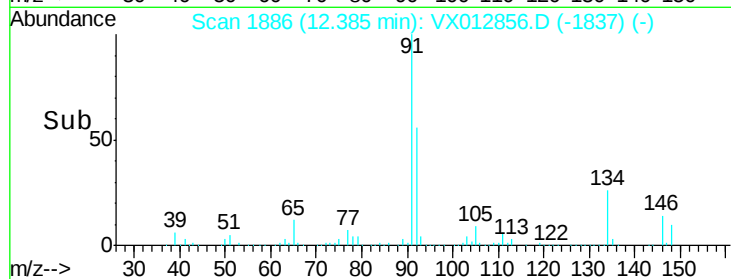
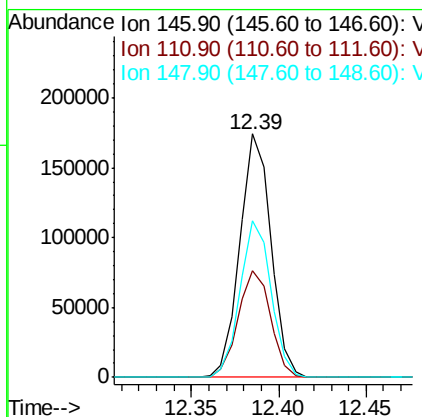
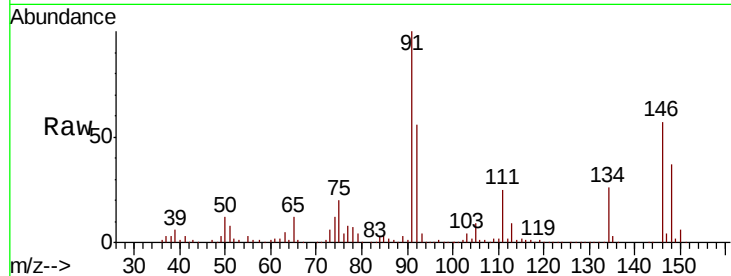
#91
 1,2-Dichlorobenzene
 Concen: 50.158 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.1	66.1
148	64.2	31.3	93.9

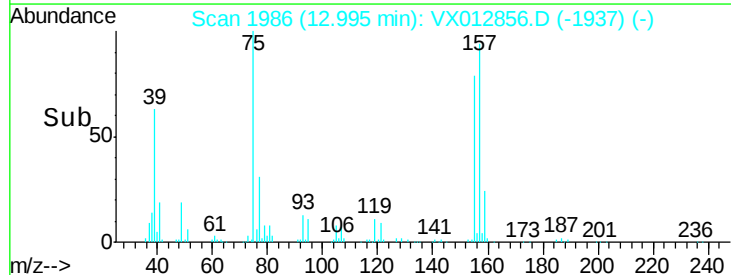
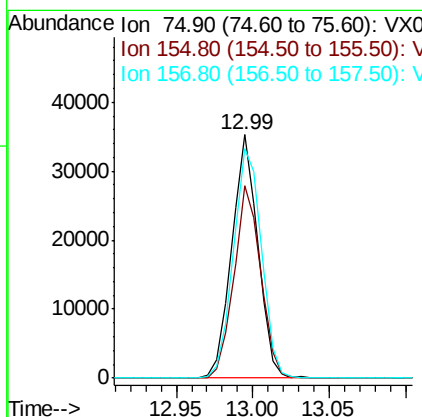
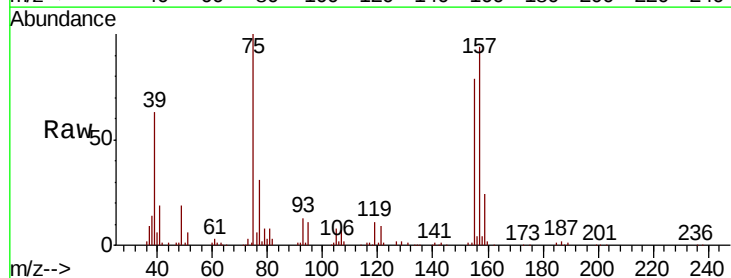
Manual Integrations
 APPROVED

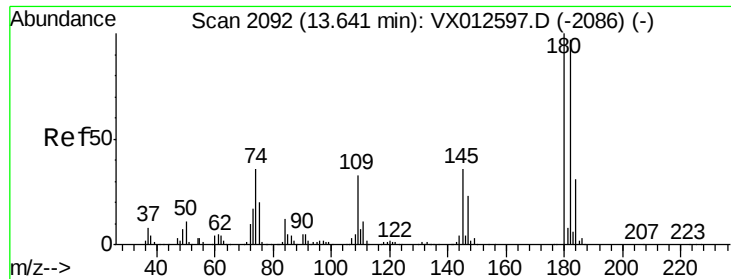
MMDadoda
 10/8/2019 2:07:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.657 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	38.6	115.8
157	101.5	50.6	151.9





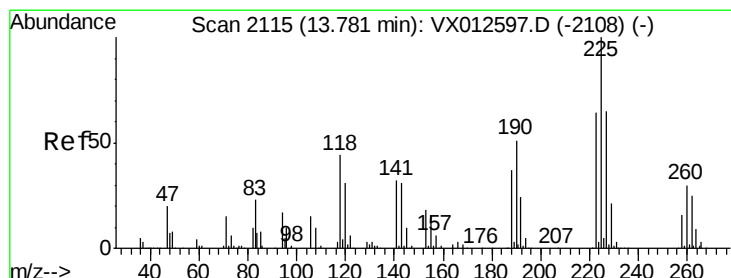
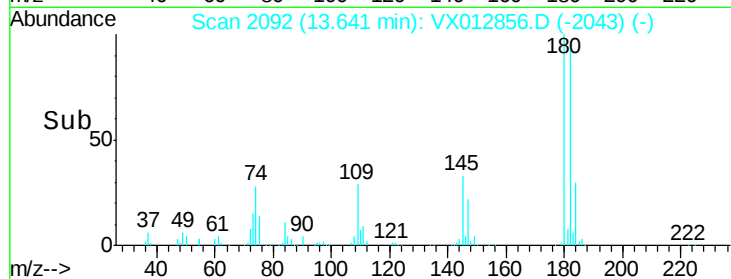
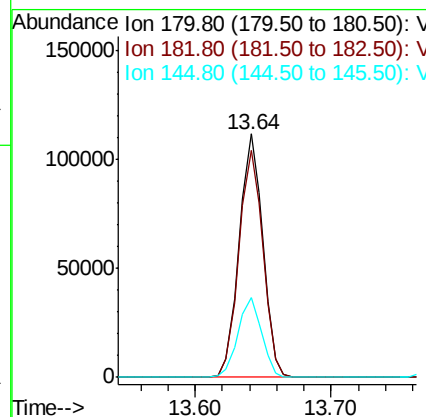
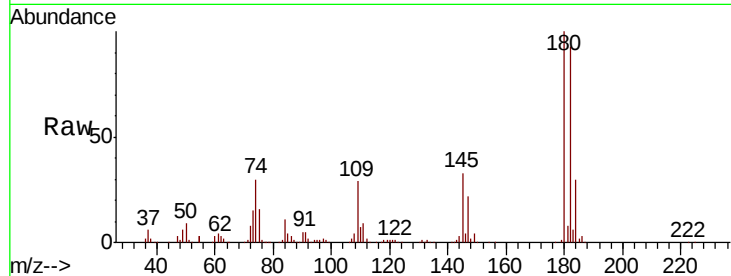
#93
 1,2,4-Trichlorobenzene
 Concen: 51.448 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.0	141.0	
145	32.9	16.8	50.4	

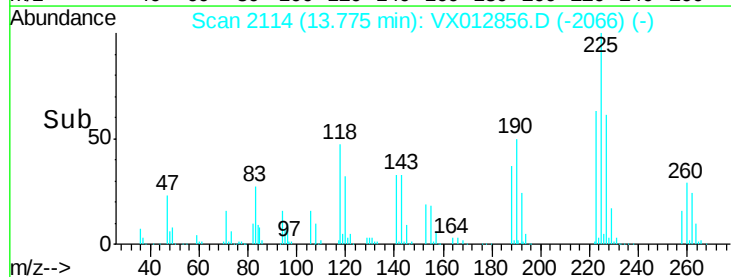
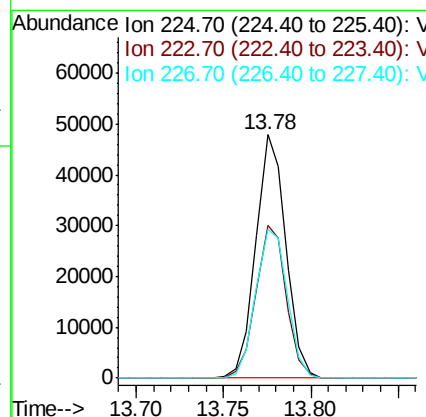
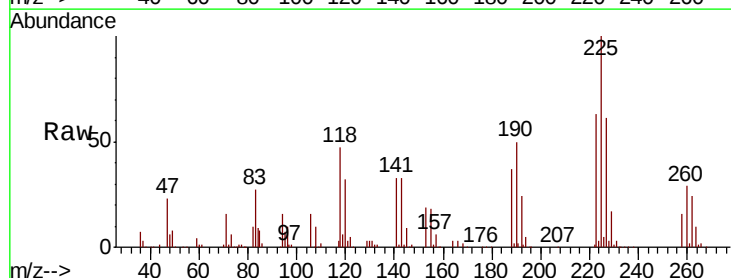
Manual Integrations
 APPROVED

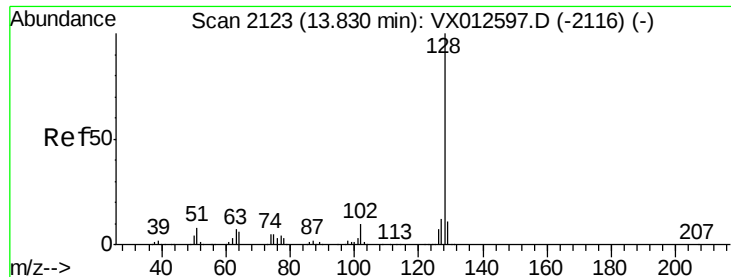
MMDadoda
 10/8/2019 2:07:11 PM



#94
 Hexachlorobutadiene
 Concen: 50.902 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012856.D
 Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	32.0	96.2	
227	64.2	31.9	95.5	





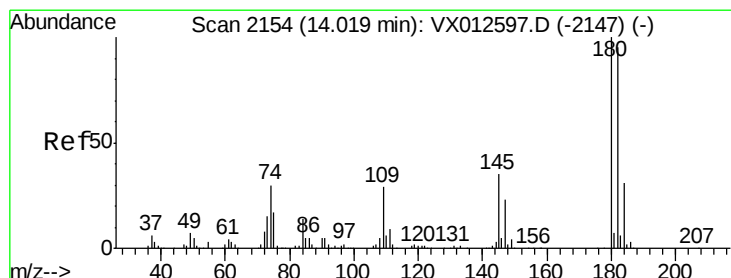
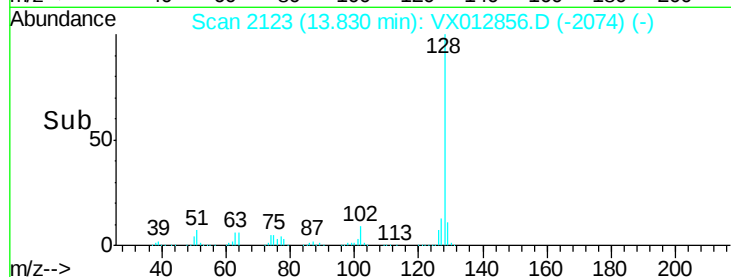
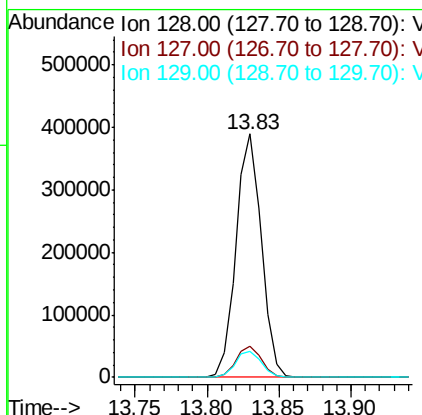
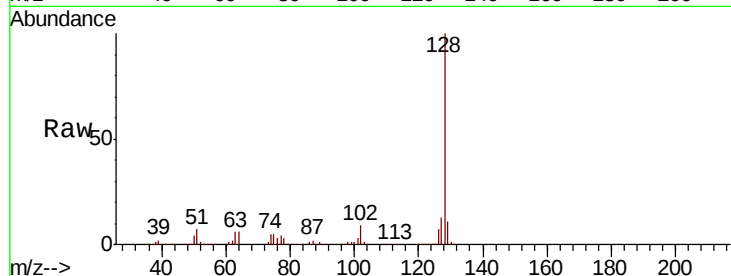
#95
Naphthalene
Concen: 50.390 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.035 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012856.D
Acq: 07 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	36.2	18.0	54.0

