

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014021.D
 Acq On : 13 Dec 2019 22:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 2:48:56 PM

Quant Time: Dec 17 03:11:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	559282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	881233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	799908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	400036	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	307104	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	5.49	113	253746	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	8.71	98	997131	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	360370	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	228884	45.745	ug/l	100
3) Chloromethane	1.31	50	320437	47.721	ug/l	98
4) Vinyl Chloride	1.40	62	330417	46.634	ug/l	99
5) Bromomethane	1.62	94	216473	43.047	ug/l	100
6) Chloroethane	1.70	64	205179	46.920	ug/l	97
7) Trichlorofluoromethane	1.91	101	406666	46.365	ug/l	97
8) Diethyl Ether	2.18	74	189326	45.993	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	238889	45.183	ug/l	99
10) Methyl Iodide	2.50	142	336164	48.307	ug/l	98
11) Tert butyl alcohol	3.05	59	344089	251.225	ug/l	98
12) 1,1-Dichloroethene	2.36	96	249825	46.437	ug/l	99
13) Acrolein	2.28	56	246443	314.329	ug/l	98
14) Allyl chloride	2.72	41	467373	48.656	ug/l	99
15) Acrylonitrile	3.13	53	794725	248.596	ug/l	99
16) Acetone	2.44	43	665155	161.635	ug/l	99
17) Carbon Disulfide	2.56	76	692887	46.446	ug/l	100
18) Methyl Acetate	2.76	43	412187	50.548	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	862819	48.806	ug/l	97
20) Methylene Chloride	2.84	84	296400	45.739	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	271992	45.890	ug/l	99
22) Diisopropyl ether	3.84	45	926732	48.414	ug/l	96
23) Vinyl Acetate	3.80	43	3358880	215.026	ug/l	100
24) 1,1-Dichloroethane	3.69	63	502383	47.173	ug/l	99
25) 2-Butanone	4.66	43	1113572	219.487	ug/l	100
26) 2,2-Dichloropropane	4.57	77	367680	44.467	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	315698	47.097	ug/l	99
28) Bromochloromethane	5.00	49	206946	50.523	ug/l	97
29) Tetrahydrofuran	5.12	42	720882	254.033	ug/l	100
30) Chloroform	5.20	83	486811	48.220	ug/l	98
31) Cyclohexane	5.57	56	447896	47.287	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	408454	47.471	ug/l	99
36) 1,1-Dichloropropene	5.79	75	368682	45.596	ug/l	99
37) Ethyl Acetate	4.82	43	430886	48.257	ug/l	99
38) Carbon Tetrachloride	5.78	117	345896	46.958	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014021.D
 Acq On : 13 Dec 2019 22:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 2:48:56 PM

Quant Time: Dec 17 03:11:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	439621	44.033	ug/l	99
40) Benzene	6.13	78	1142369	45.917	ug/l	100
41) Methacrylonitrile	5.03	41	241986	48.844	ug/l	100
42) 1,2-Dichloroethane	6.19	62	390737	46.332	ug/l	100
43) Isopropyl Acetate	6.44	43	716774	48.506	ug/l	100
44) Trichloroethene	7.20	130	316421	46.046	ug/l	98
45) 1,2-Dichloropropane	7.51	63	300332	47.098	ug/l	95
46) Dibromomethane	7.65	93	192159	45.579	ug/l	99
47) Bromodichloromethane	7.89	83	376661	47.437	ug/l	100
48) Methyl methacrylate	7.76	41	352452	48.709	ug/l	99
49) 1,4-Dioxane	7.73	88	152473	1035.449	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2276520	245.307	ug/l	99
52) Toluene	8.78	92	723765	46.026	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	420166	48.259	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	469439	48.398	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	293228	46.525	ug/l	100
56) Ethyl methacrylate	9.17	69	487685	49.260	ug/l	99
57) 1,3-Dichloropropane	9.37	76	501482	47.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	939304	250.708	ug/l	99
59) 2-Hexanone	9.49	43	1741557	233.120	ug/l	100
60) Dibromochloromethane	9.58	129	310169	49.510	ug/l	99
61) 1,2-Dibromoethane	9.67	107	306841	47.583	ug/l	99
64) Tetrachloroethene	9.33	164	403842	57.054	ug/l	97
65) Chlorobenzene	10.14	112	778830	45.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	291575	48.013	ug/l	98
67) Ethyl Benzene	10.25	91	1361190	46.551	ug/l	100
68) m/p-Xylenes	10.36	106	1040896	92.554	ug/l	100
69) o-Xylene	10.70	106	513878	46.589	ug/l	99
70) Styrene	10.71	104	881583	47.266	ug/l	99
71) Bromoform	10.85	173	238928	48.945	ug/l	100
73) Isopropylbenzene	11.01	105	1327113	47.118	ug/l	100
74) N-amyl acetate	10.89	43	649614	49.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	460572	47.167	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	436608m	50.273	ug/l	
77) Bromobenzene	11.25	156	351534	45.363	ug/l	99
78) n-propylbenzene	11.35	91	1489371	47.143	ug/l	100
79) 2-Chlorotoluene	11.42	91	892984	46.499	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1117417	47.140	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	157570	51.210	ug/l	99
82) 4-Chlorotoluene	11.51	91	1020212	45.798	ug/l	99
83) tert-Butylbenzene	11.76	119	993279	43.058	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1115931	47.009	ug/l	99
85) sec-Butylbenzene	11.94	105	1265798	46.481	ug/l	100
86) p-Isopropyltoluene	12.06	119	1162129	46.652	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	600303	44.200	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	601439	43.551	ug/l	99
89) n-Butylbenzene	12.39	91	954986	44.929	ug/l	99
90) Hexachloroethane	12.59	117	209458	46.813	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	614056	44.913	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	98684	45.668	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
Data File : VX014021.D
Acq On : 13 Dec 2019 22:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

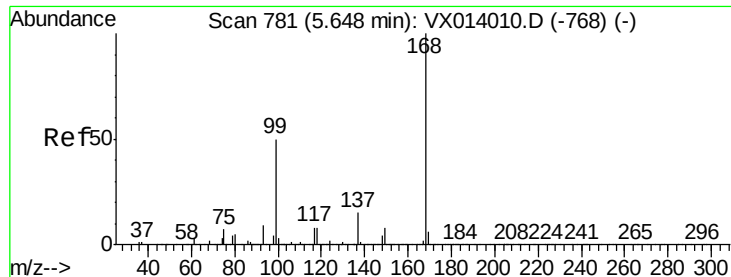
Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM

Quant Time: Dec 17 03:11:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	379423	42.698	ug/l	98
94) Hexachlorobutadiene	13.78	225	178539	41.805	ug/l	99
95) Naphthalene	13.83	128	1222285	46.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	398491	45.427	ug/l	98

(#) = 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: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 559282

Ion Ratio Lower Upper

168 100

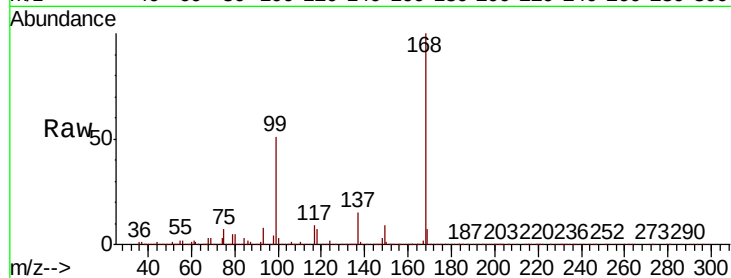
99 51.1 40.3 60.5

Manual Integrations

APPROVED

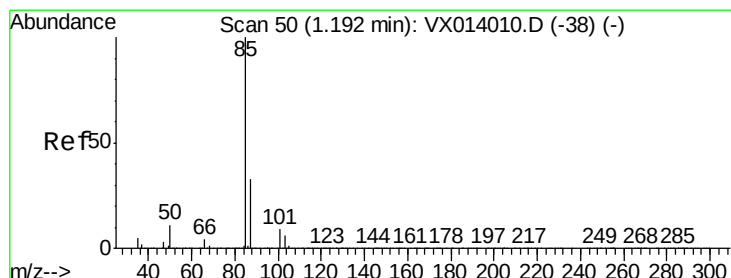
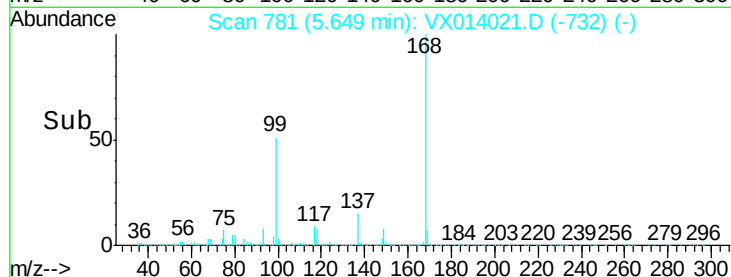
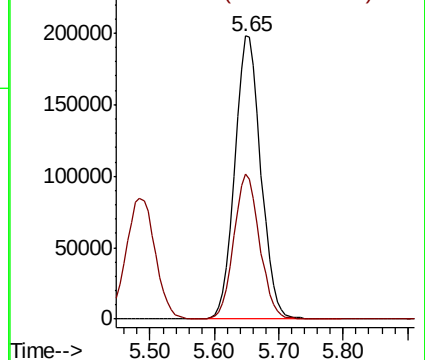
apatel

12/17/2019 2:48:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.745 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014021.D

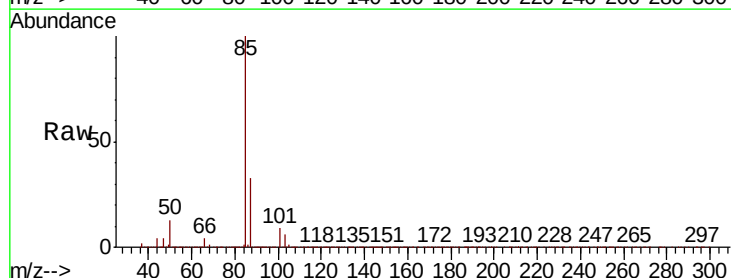
Acq: 13 Dec 2019 22:04

Tgt Ion: 85 Resp: 228884

Ion Ratio Lower Upper

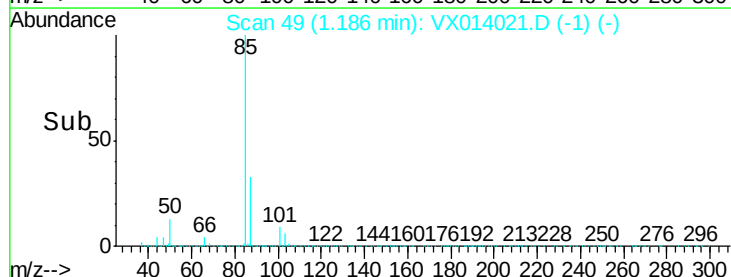
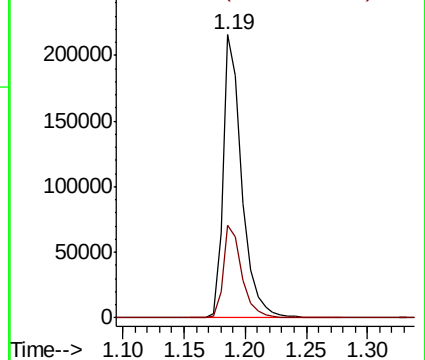
85 100

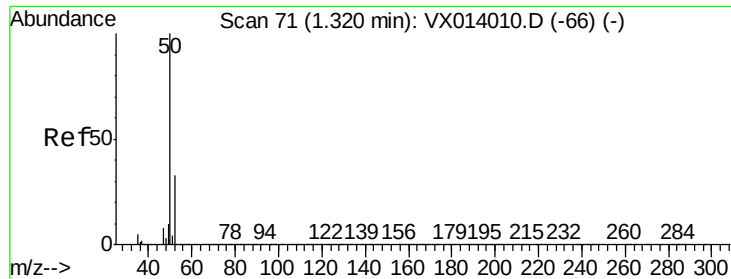
87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





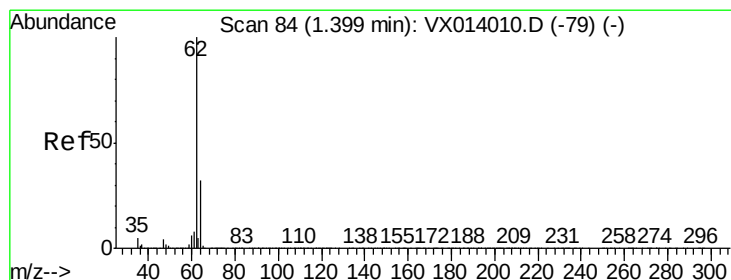
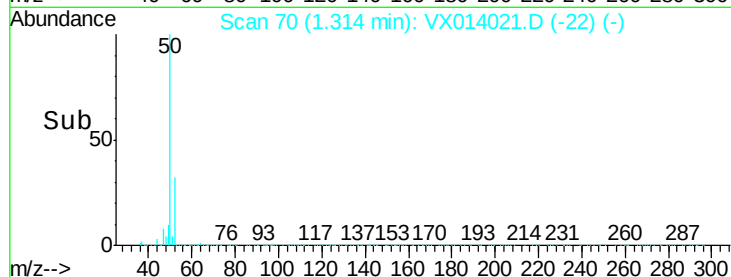
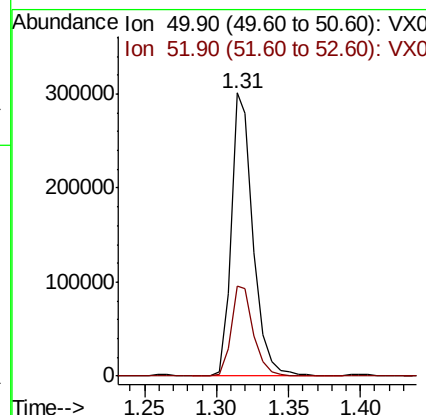
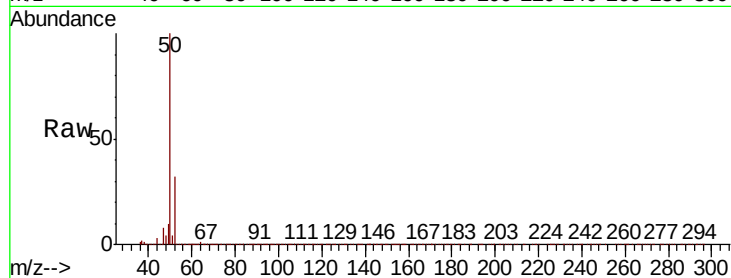
#3
Chloromethane
Concen: 47.721 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.2	39.4

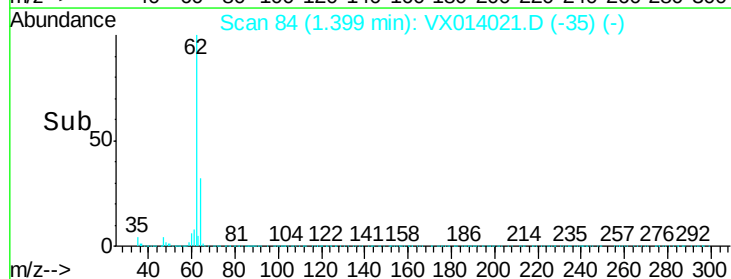
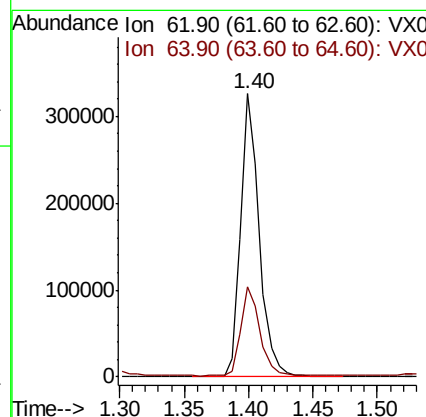
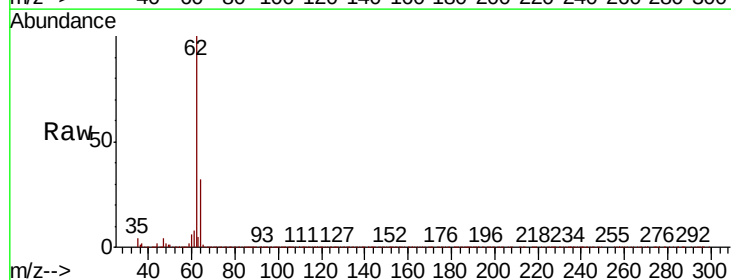
Manual Integrations
APPROVED

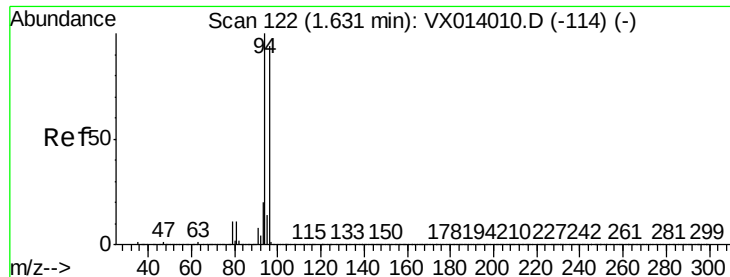
apatel
12/17/2019 2:48:56 PM



#4
Vinyl Chloride
Concen: 46.634 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.7	38.5





#5

Bromomethane

Concen: 43.047 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 216473

Ion Ratio Lower Upper

94 100

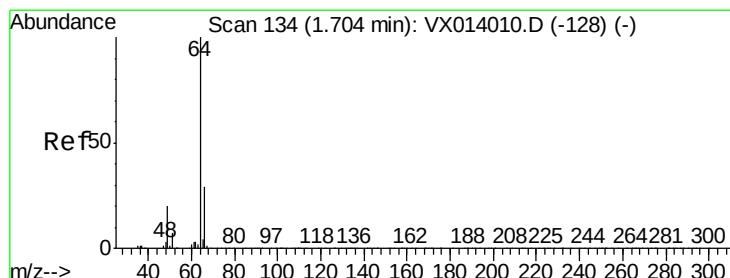
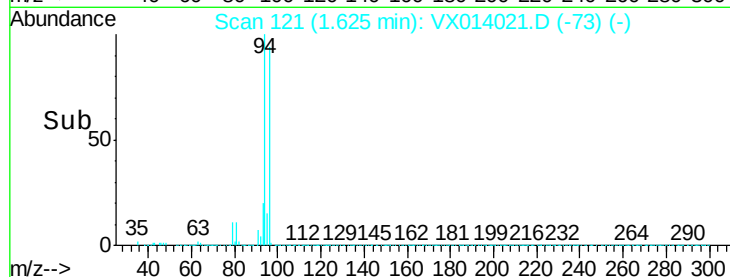
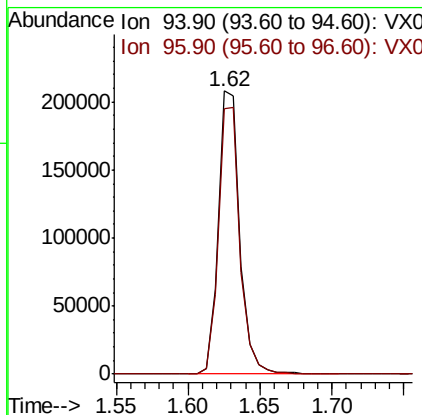
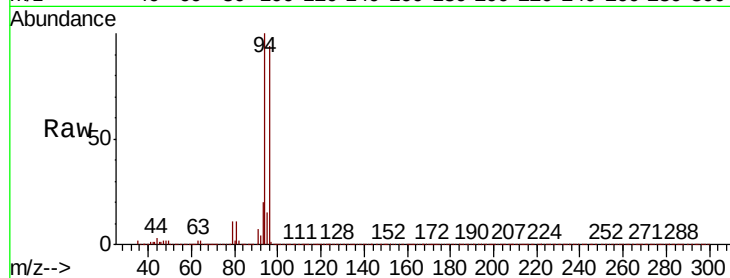
96 93.8 75.2 112.8

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#6

Chloroethane

Concen: 46.920 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX014021.D

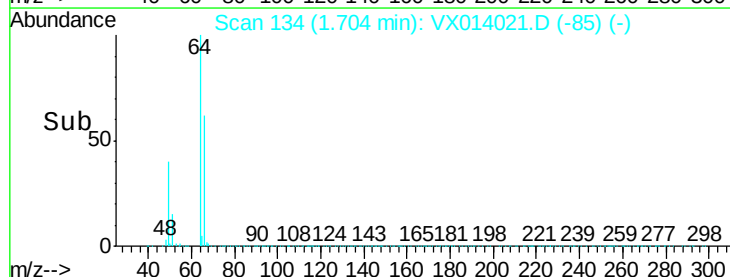
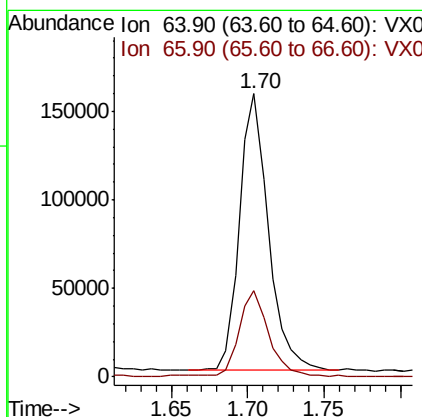
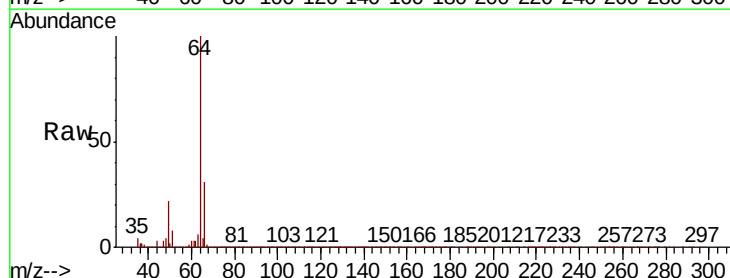
Acq: 13 Dec 2019 22:04

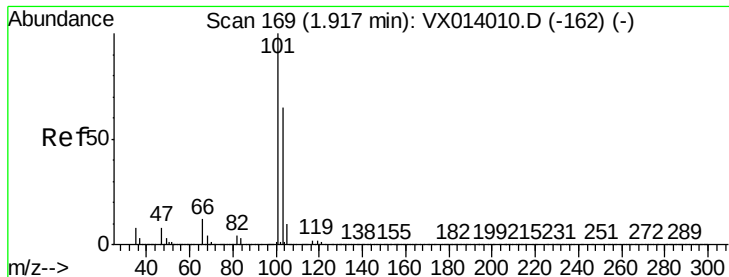
Tgt Ion: 64 Resp: 205179

Ion Ratio Lower Upper

64 100

66 30.9 23.4 35.2





#7

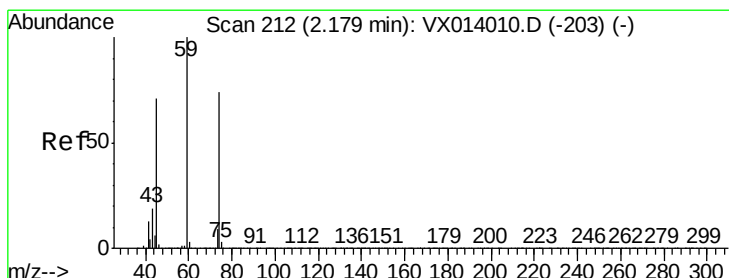
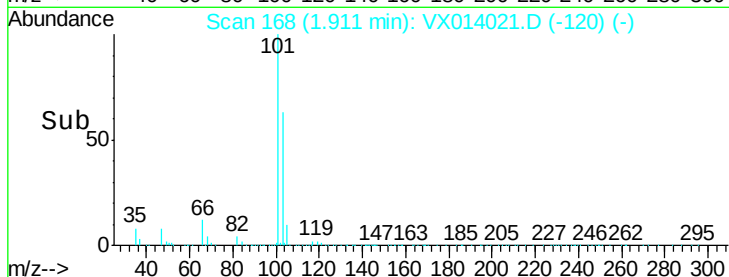
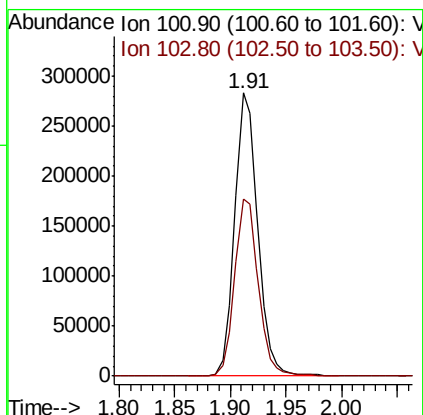
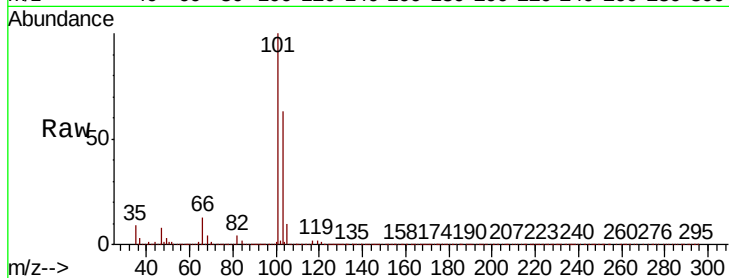
Trichlorofluoromethane
Concen: 46.365 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.4

Manual Integrations
APPROVED

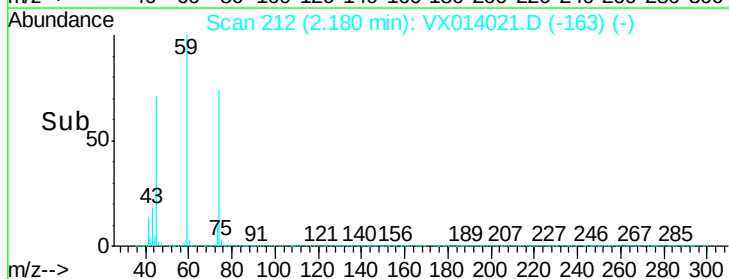
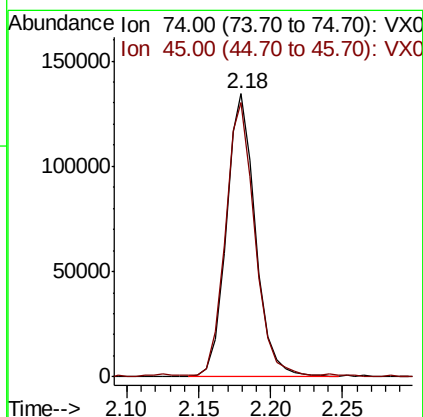
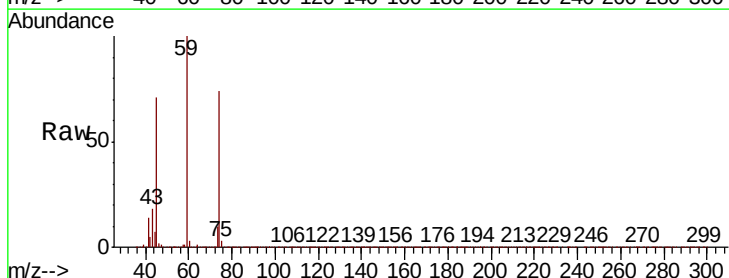
apatel
12/17/2019 2:48:56 PM

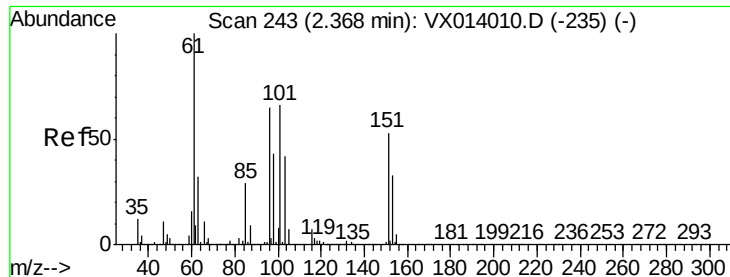


#8

Diethyl Ether
Concen: 45.993 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.183 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

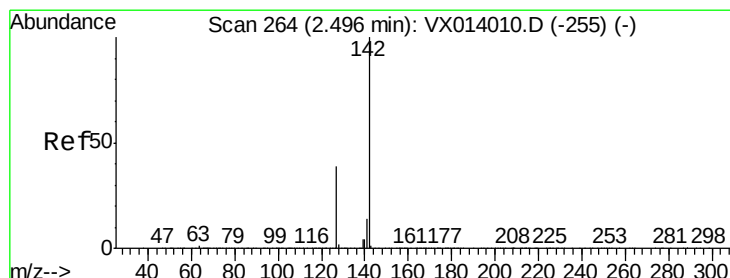
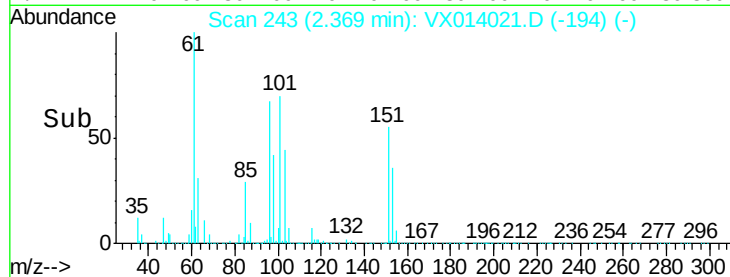
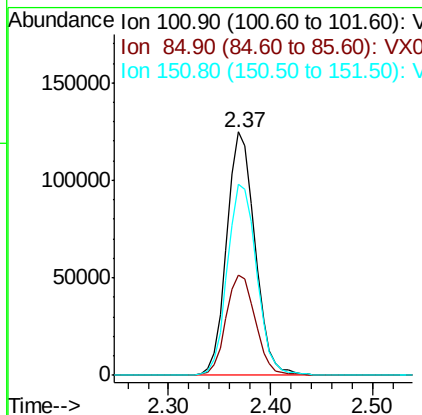
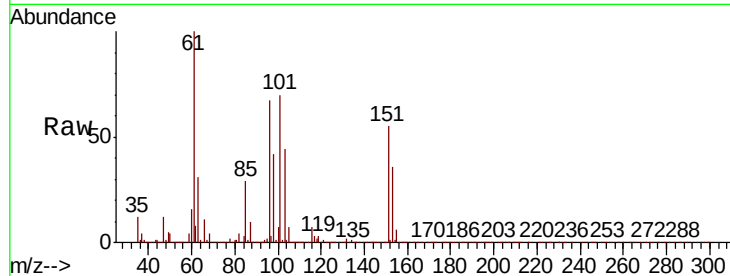
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	238889
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	81.6	64.5	96.7

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#10

Methyl Iodide

Concen: 48.307 ug/l

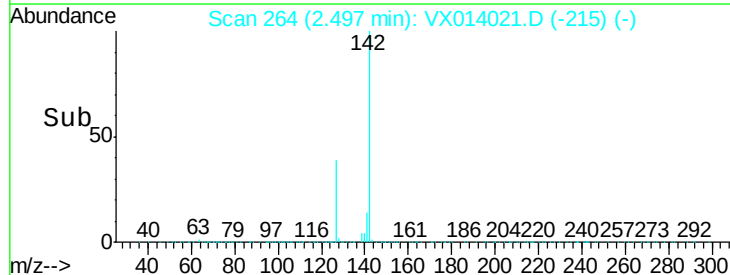
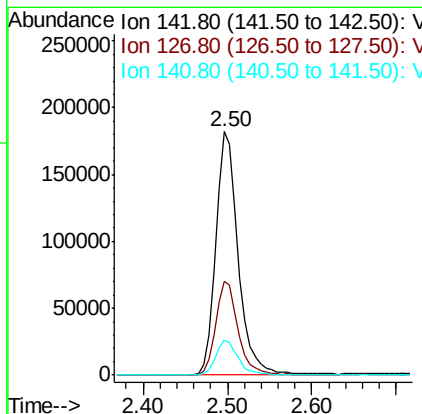
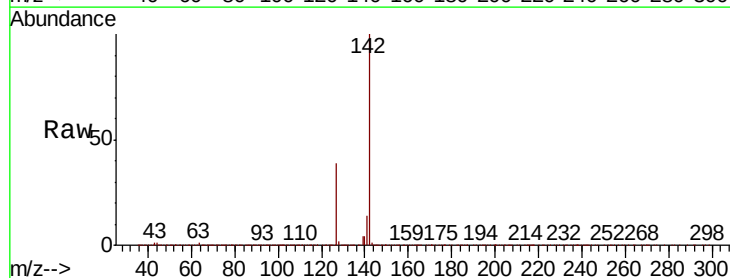
RT: 2.50 min Scan# 264

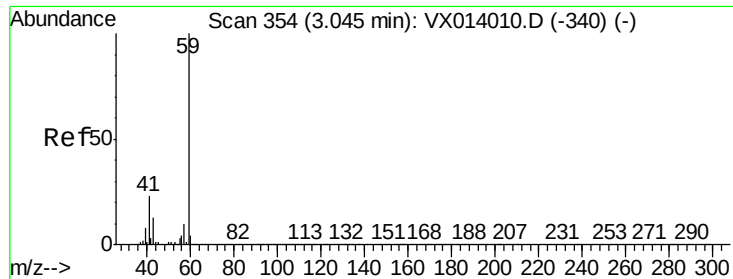
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion:	142	Resp:	336164
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.6	47.4
141	14.2	11.6	17.4





#11

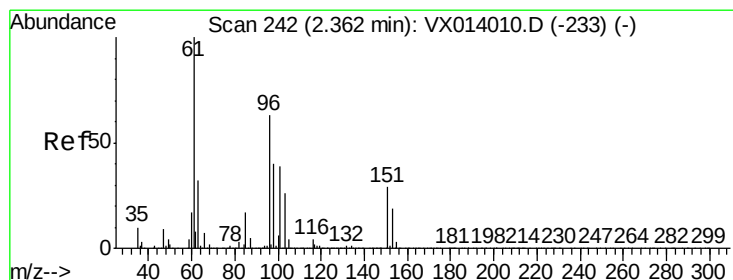
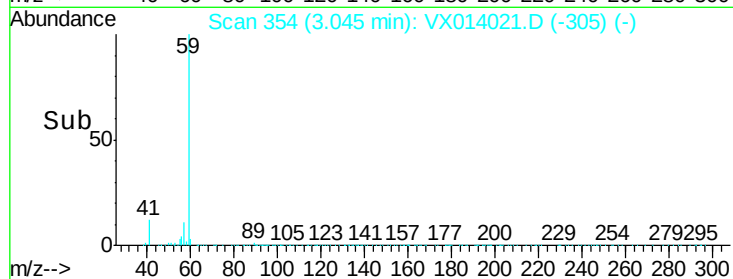
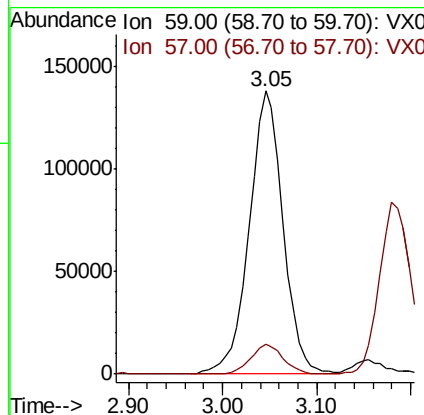
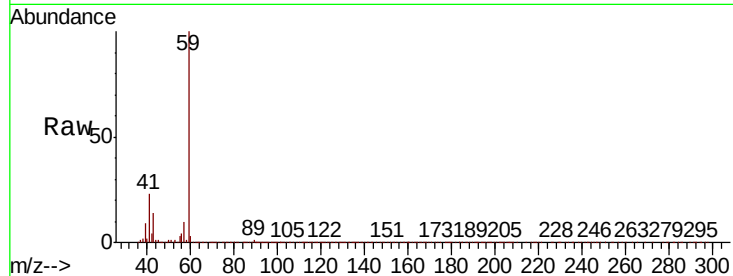
Tert butyl alcohol
Concen: 251.225 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

Manual Integrations
APPROVED

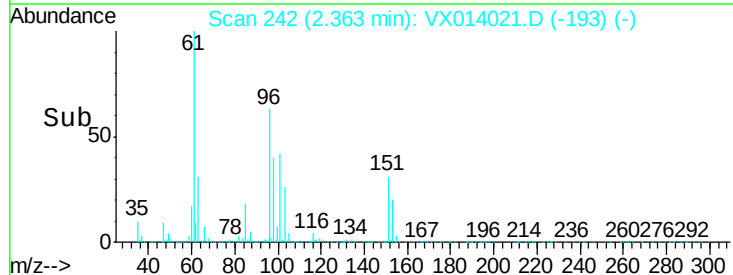
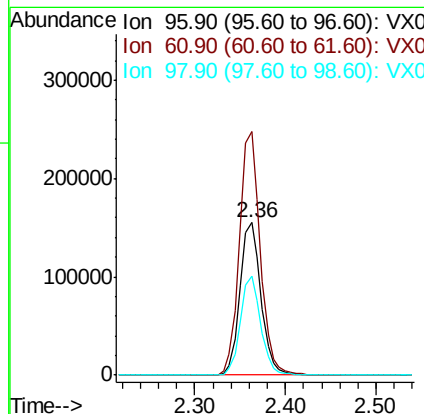
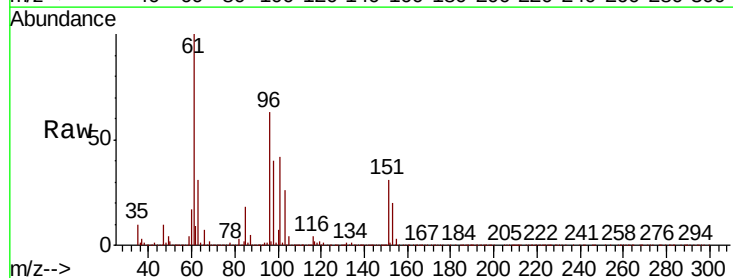
apatel
12/17/2019 2:48:56 PM

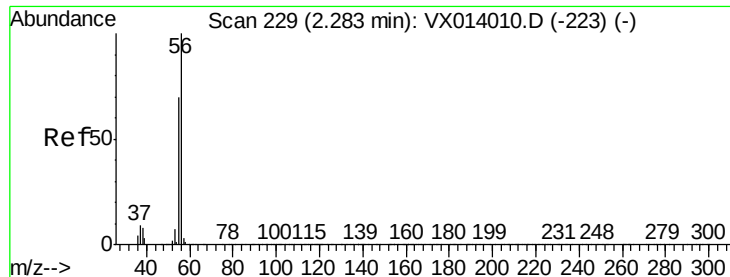


#12

1,1-Dichloroethene
Concen: 46.437 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	127.9	191.9
98	64.6	50.5	75.7





#13

Acrolein

Concen: 314.329 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 246443

Ion Ratio Lower Upper

56 100

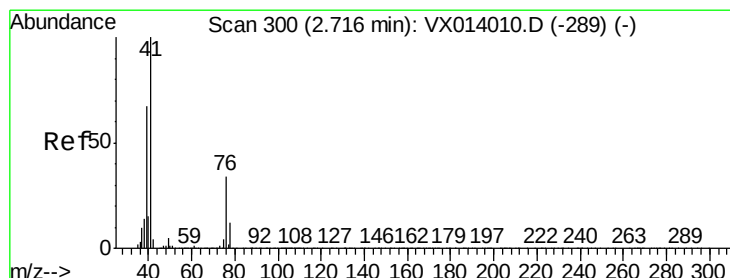
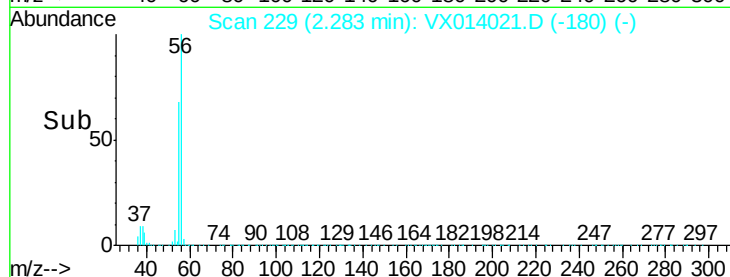
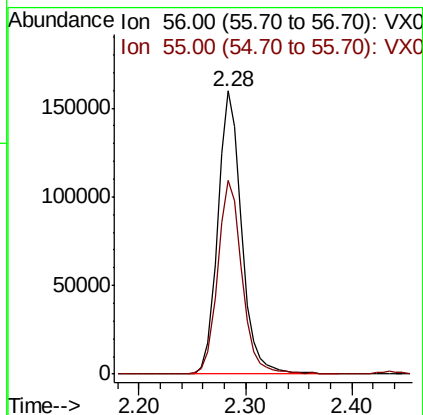
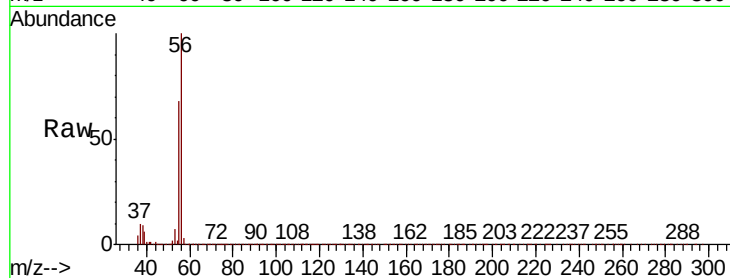
55 69.5 56.9 85.3

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#14

Allyl chloride

Concen: 48.656 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

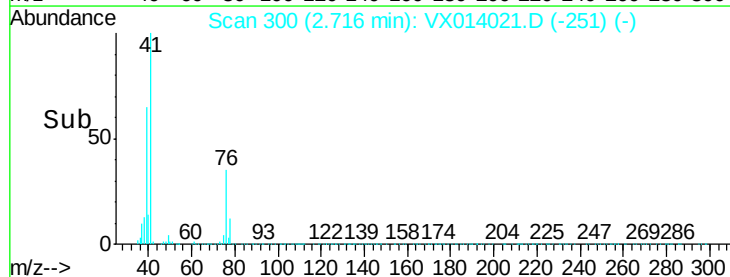
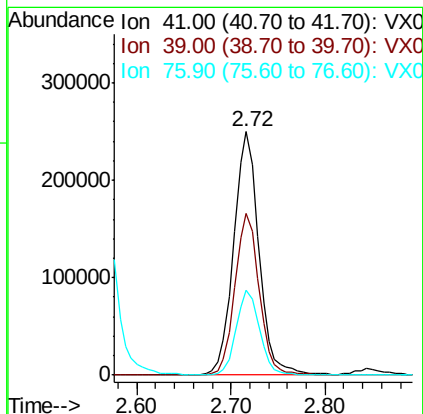
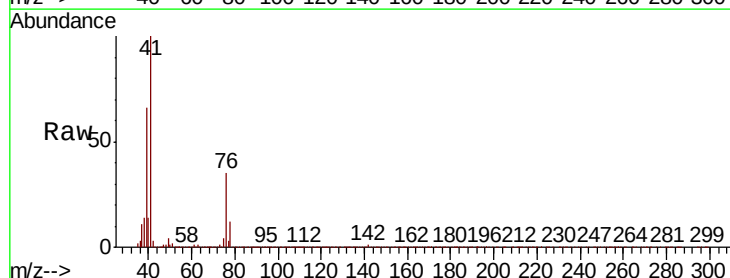
Tgt Ion: 41 Resp: 467373

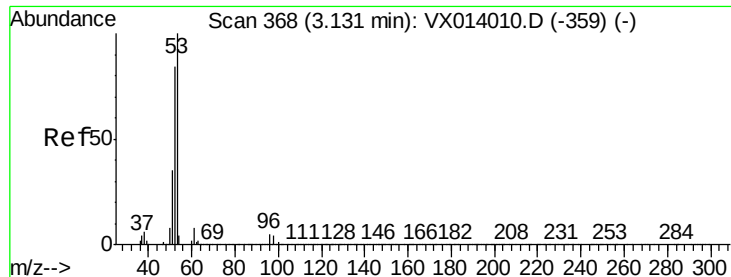
Ion Ratio Lower Upper

41 100

39 63.4 51.8 77.8

76 32.1 25.9 38.9





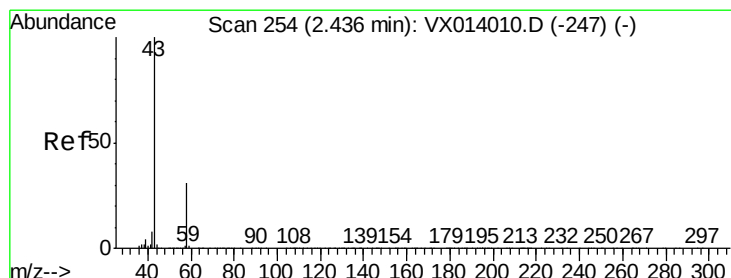
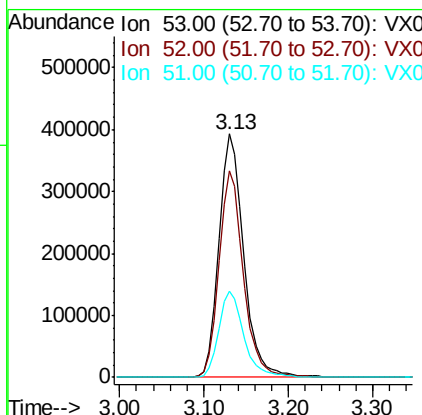
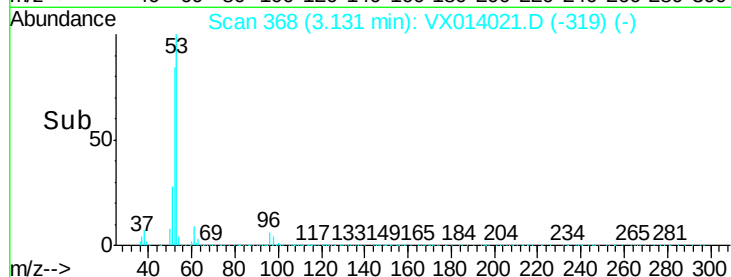
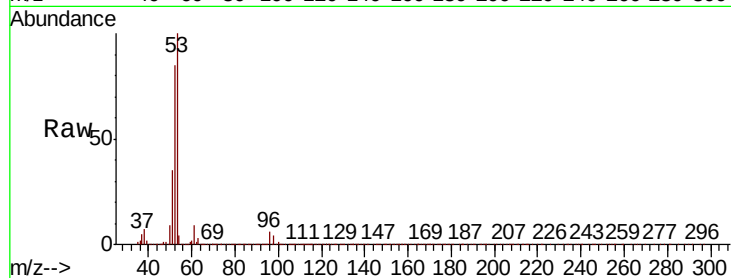
#15
 Acrylonitrile
 Concen: 248.596 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.5	66.5	99.7	
51	35.9	28.1	42.1	

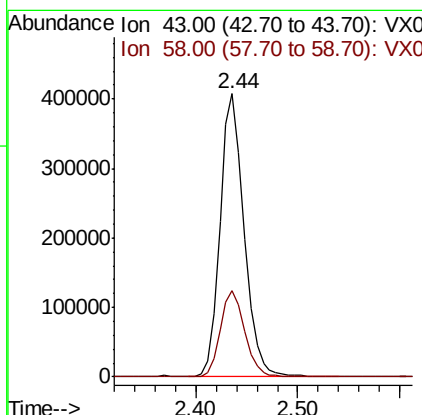
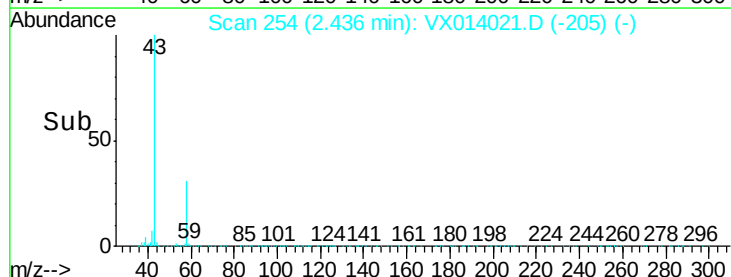
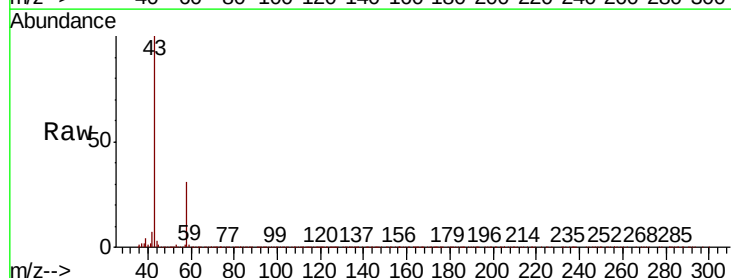
Manual Integrations
 APPROVED

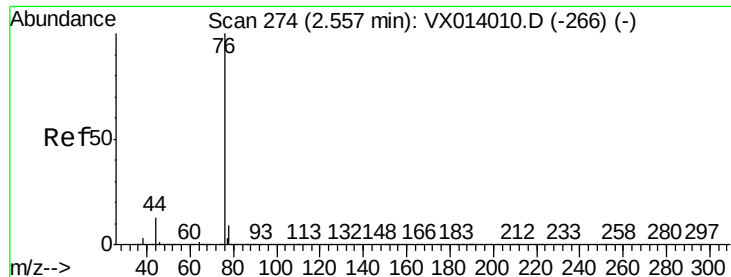
apatel
 12/17/2019 2:48:56 PM



#16
 Acetone
 Concen: 161.635 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	30.6	24.9	37.3	





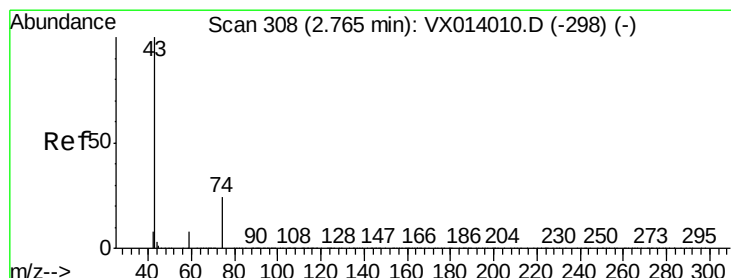
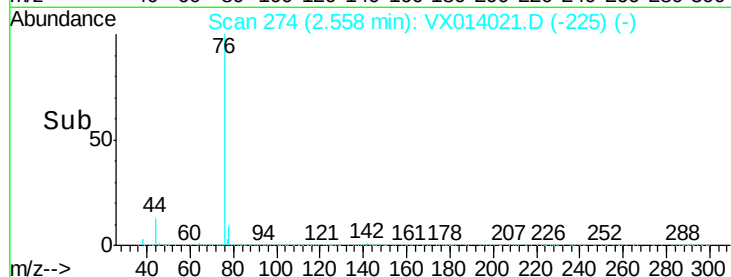
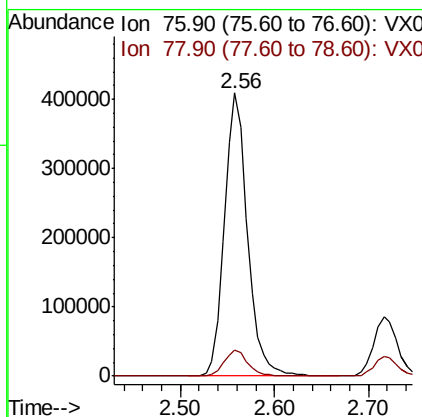
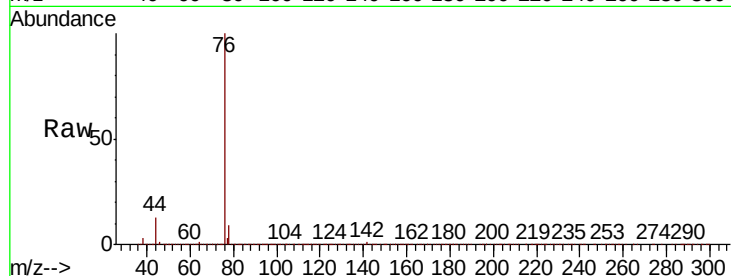
#17
Carbon Disulfide
Concen: 46.446 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

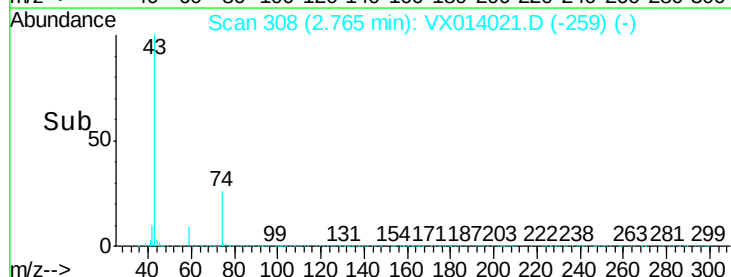
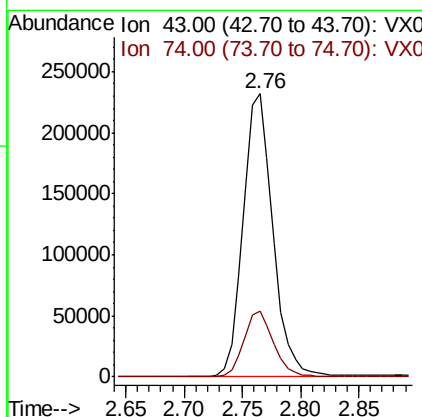
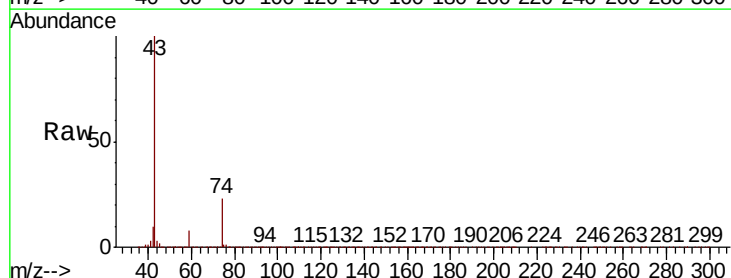
Manual Integrations
APPROVED

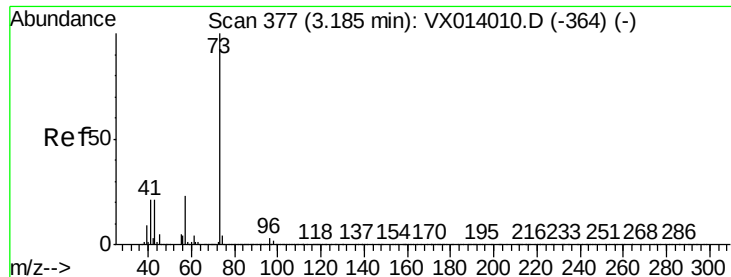
apatel
12/17/2019 2:48:56 PM



#18
Methyl Acetate
Concen: 50.548 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.5	29.3





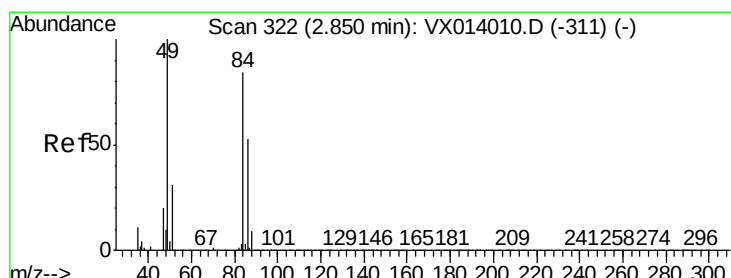
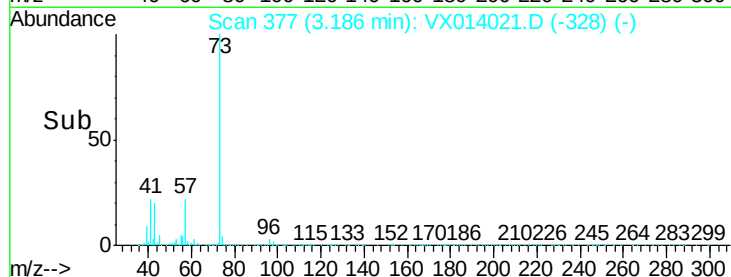
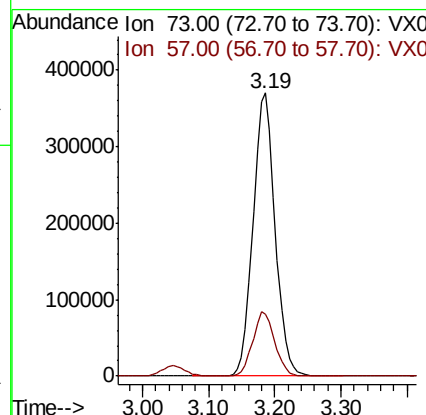
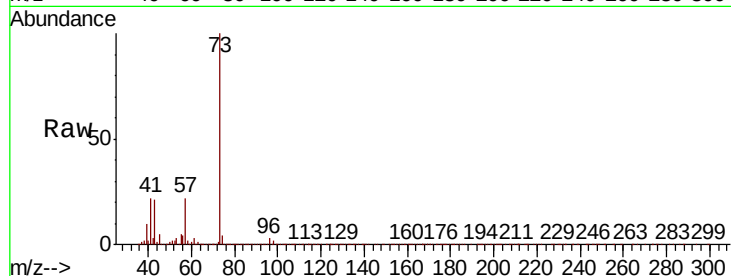
#19
Methyl tert-butyl Ether
Concen: 48.806 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.8	28.2

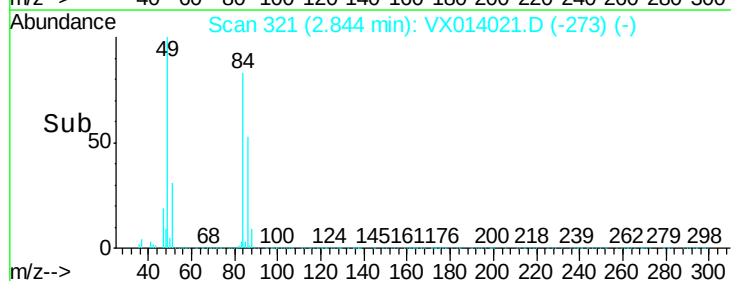
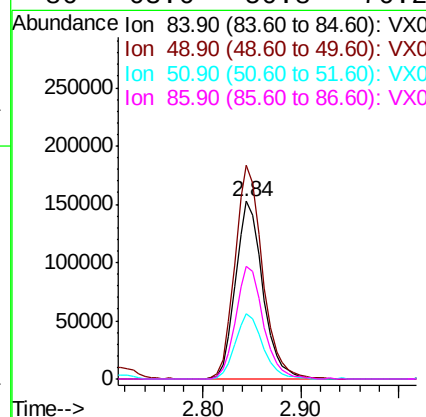
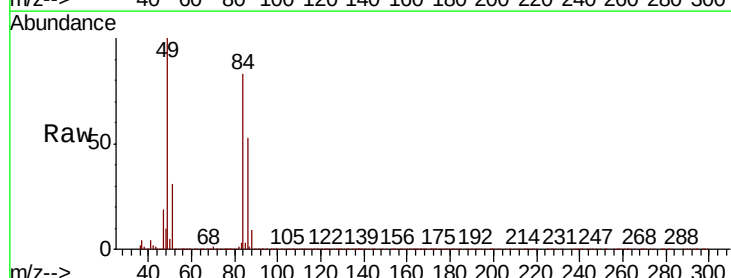
Manual Integrations
APPROVED

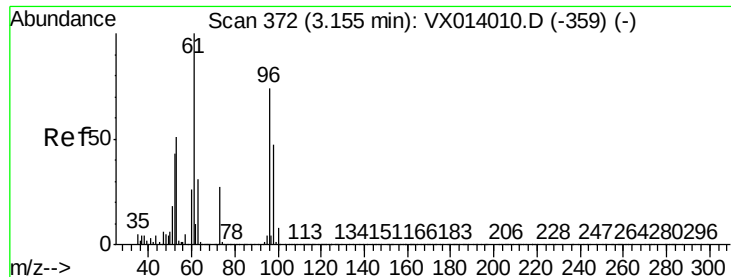
apatel
12/17/2019 2:48:56 PM



#20
Methylene Chloride
Concen: 45.739 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	95.8	143.6
51	37.0	29.8	44.8
86	63.6	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 45.890 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014021.D

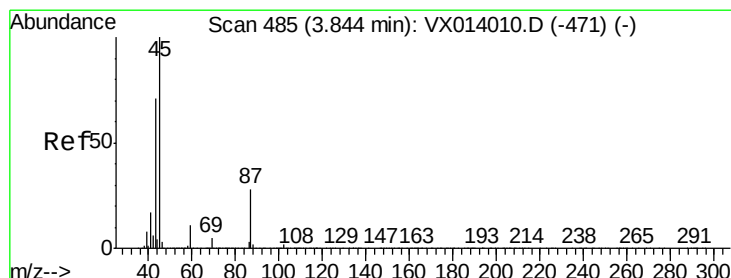
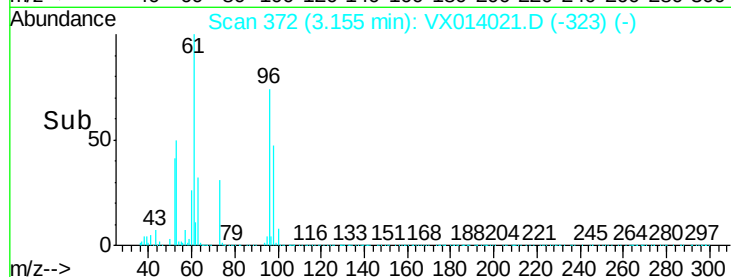
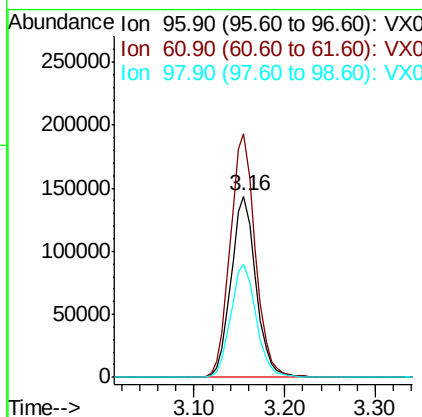
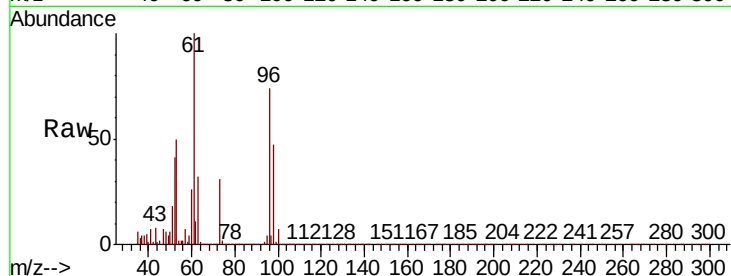
Acq: 13 Dec 2019 22:04

Tot Ion:	96	Resp:	271992
Ion	Ratio	Lower	Upper
96	100		
61	134.4	108.3	162.5
98	62.5	50.8	76.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#22

Diisopropyl ether

Concen: 48.414 ug/l

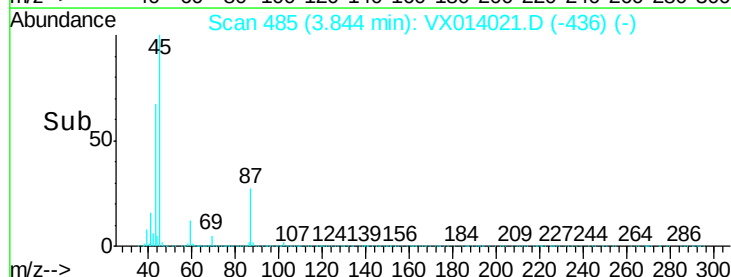
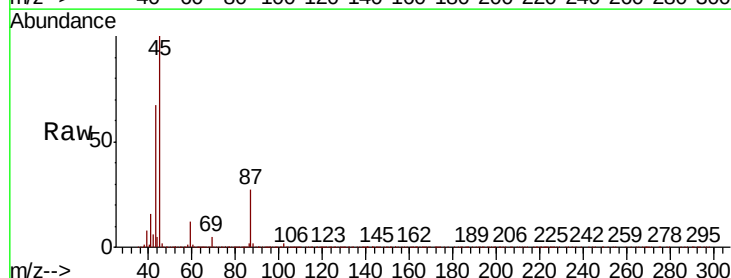
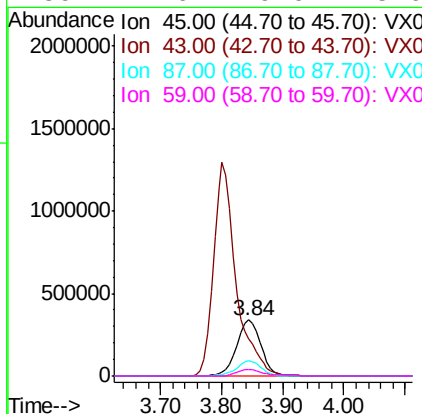
RT: 3.84 min Scan# 485

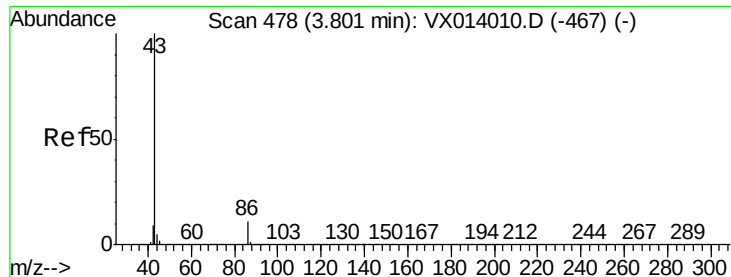
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion:	45	Resp:	926732
Ion	Ratio	Lower	Upper
45	100		
43	66.8	57.4	86.0
87	27.1	21.9	32.9
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 215.026 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3358880

Ion Ratio Lower Upper

43 100

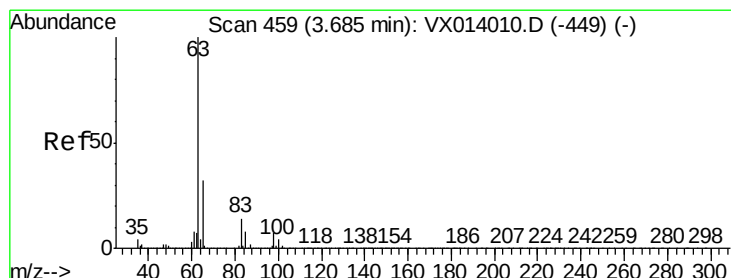
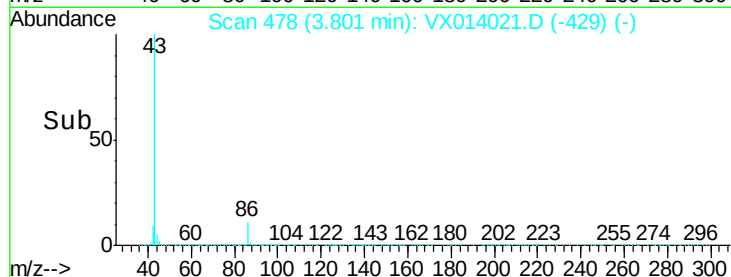
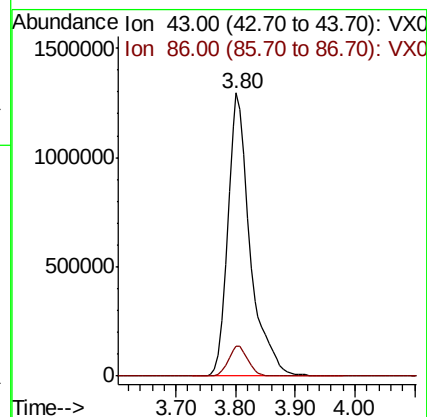
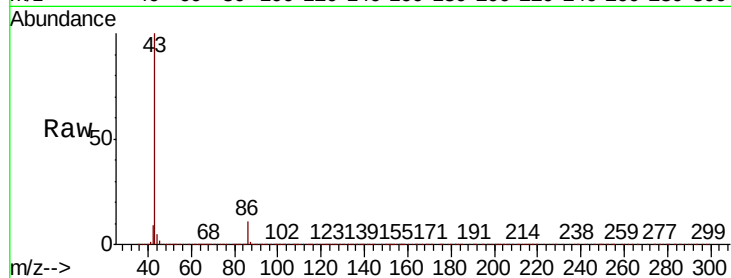
86 10.6 8.6 12.8

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#24

1,1-Dichloroethane

Concen: 47.173 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

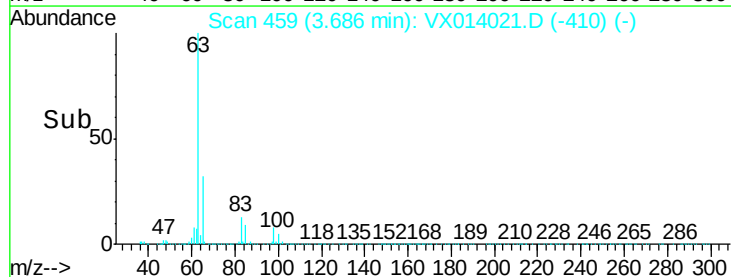
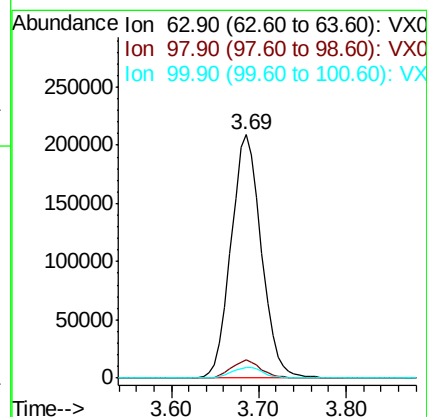
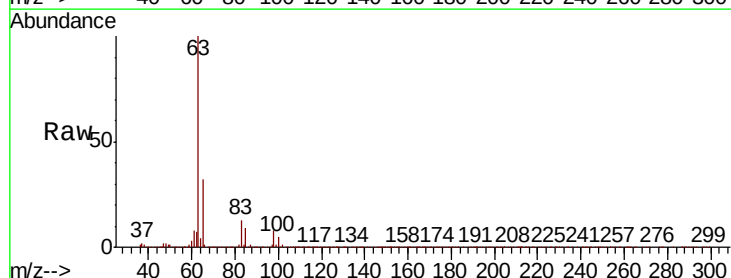
Tgt Ion: 63 Resp: 502383

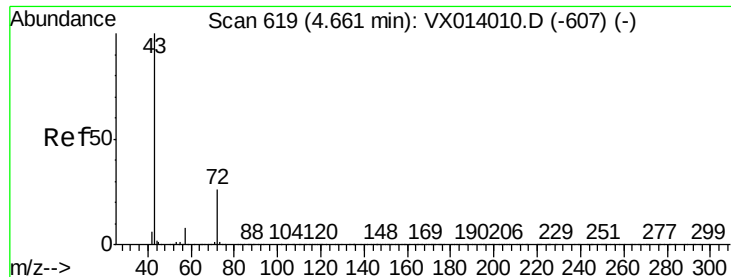
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 219.487 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tot Ion: 43 Resp: 1113572

Ion Ratio Lower Upper

43 100

72 26.2 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

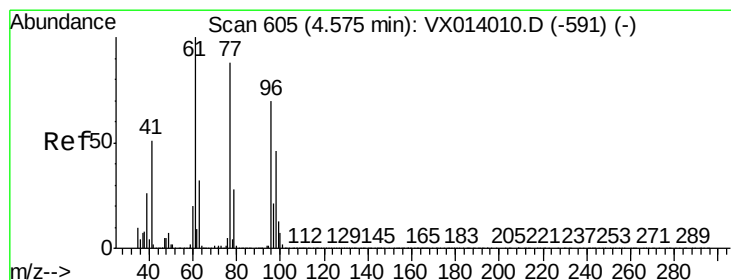
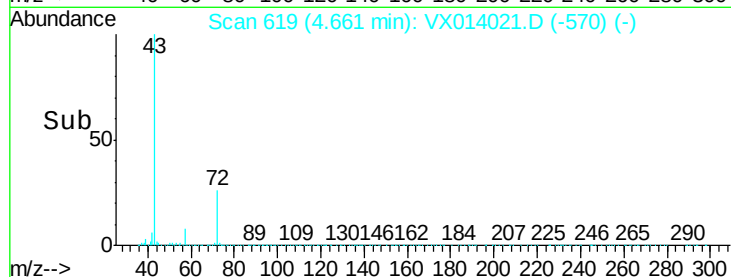
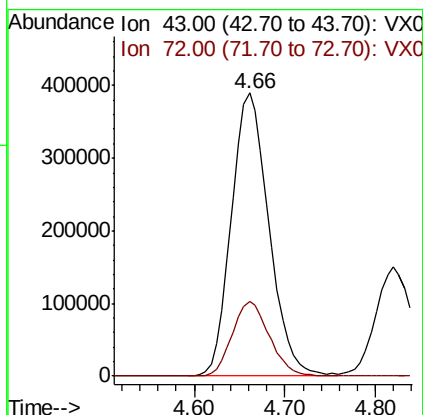
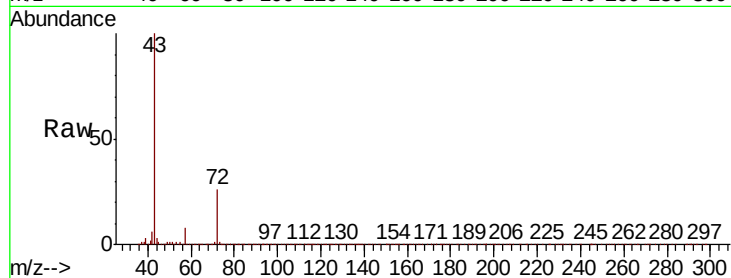
VSTDCCC050EC

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#26

2,2-Dichloropropane

Concen: 44.467 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014021.D

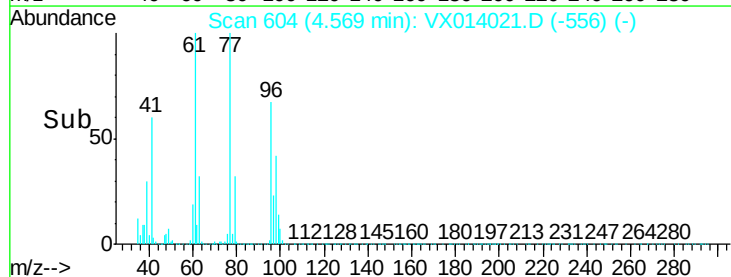
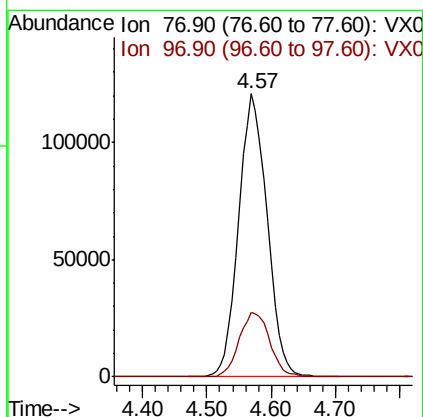
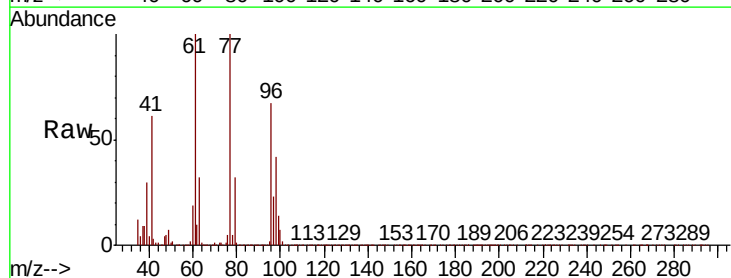
Acq: 13 Dec 2019 22:04

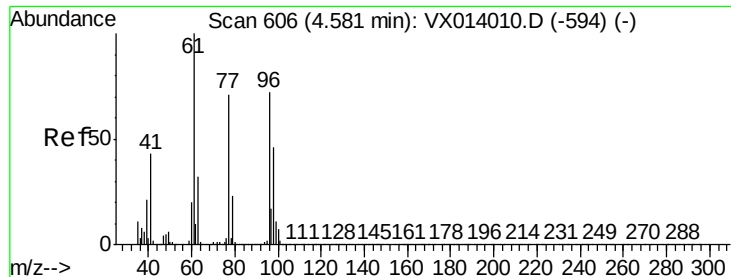
Tgt Ion: 77 Resp: 367680

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.9





#27

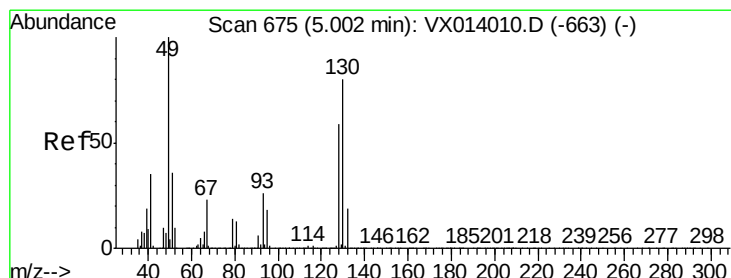
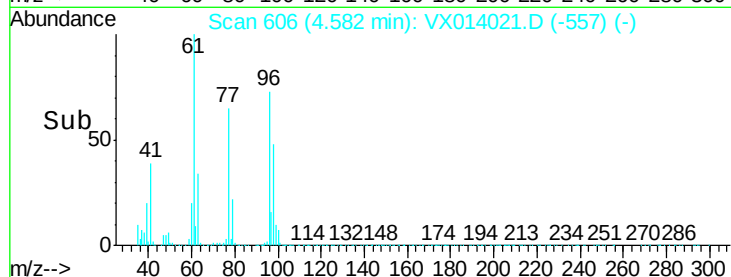
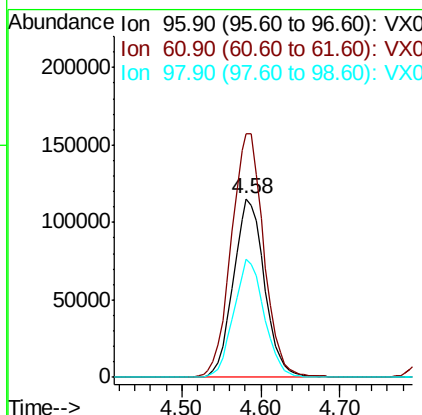
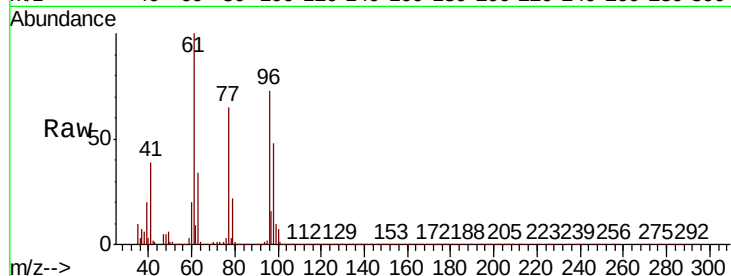
cis-1,2-Dichloroethene
Concen: 47.097 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.4	0.0	288.4	
98	65.4	0.0	129.6	

Manual Integrations
APPROVED

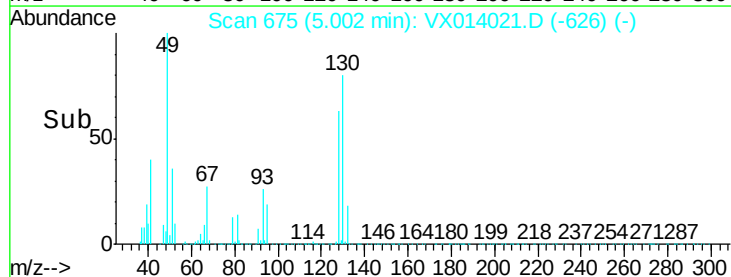
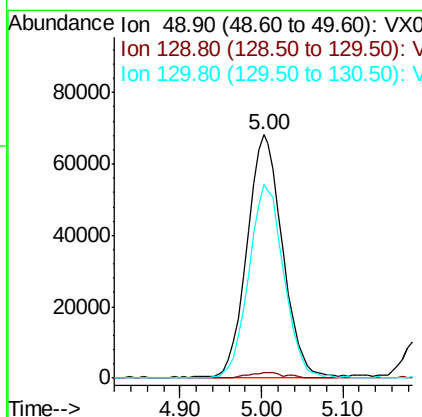
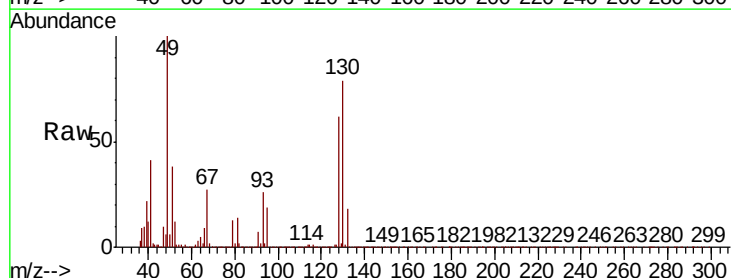
apatel
12/17/2019 2:48:56 PM

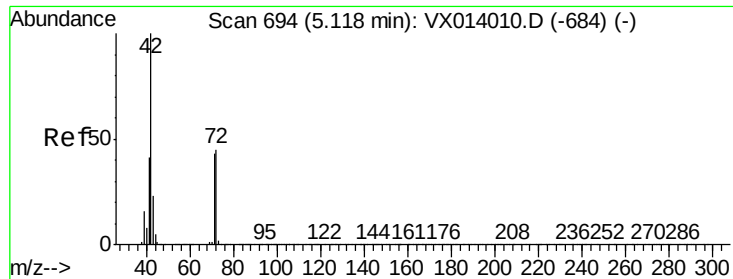


#28

Bromochloromethane
Concen: 50.523 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	5.0	
130	77.9	64.6	97.0	





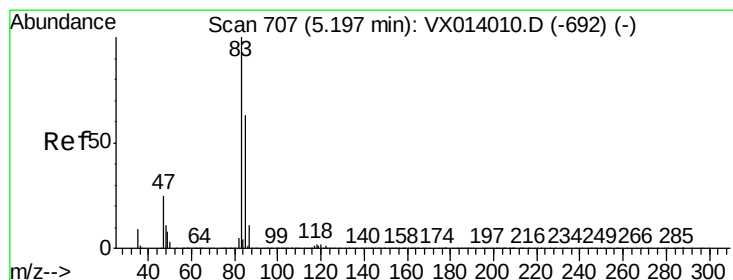
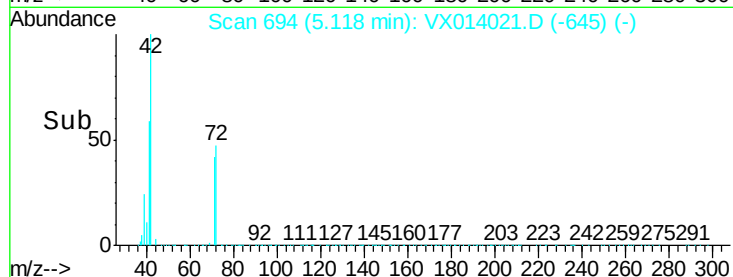
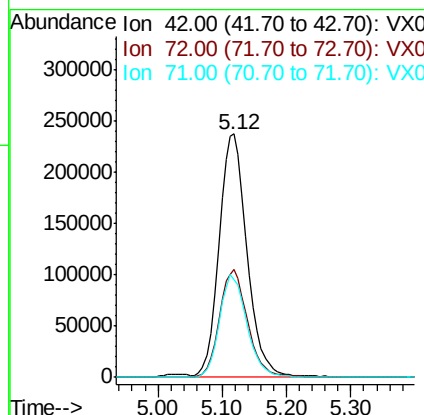
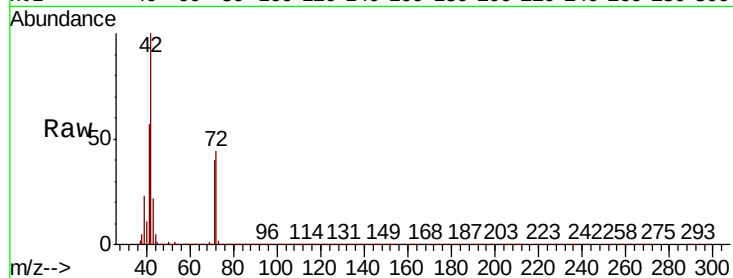
#29
Tetrahydrofuran
Concen: 254.033 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	42	Resp	720882
Ion Ratio	Lower	Upper	
42	100		
72	44.8	35.8	53.8
71	41.6	33.6	50.4

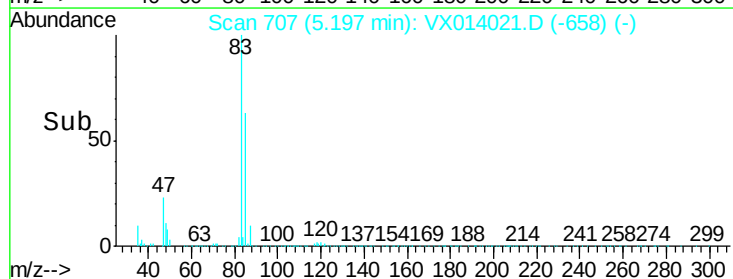
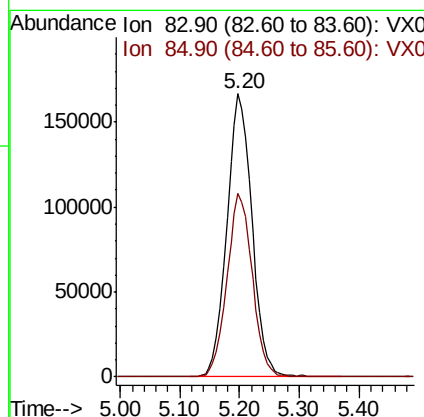
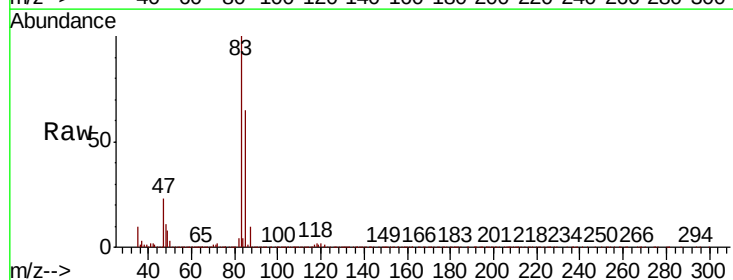
Manual Integrations
APPROVED

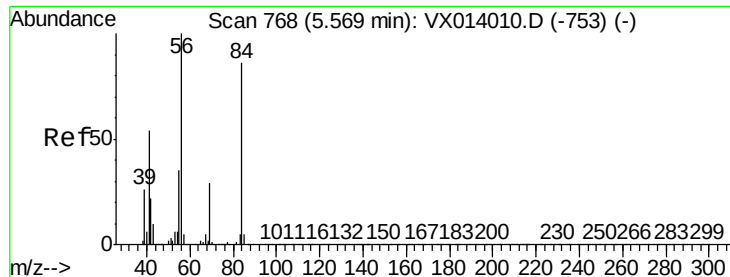
apatel
12/17/2019 2:48:56 PM



#30
Chloroform
Concen: 48.220 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	83	Resp	486811
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.8	76.2





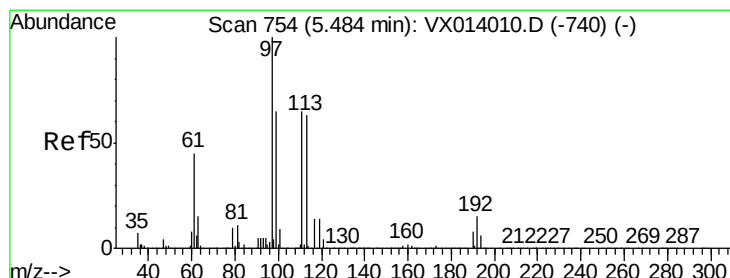
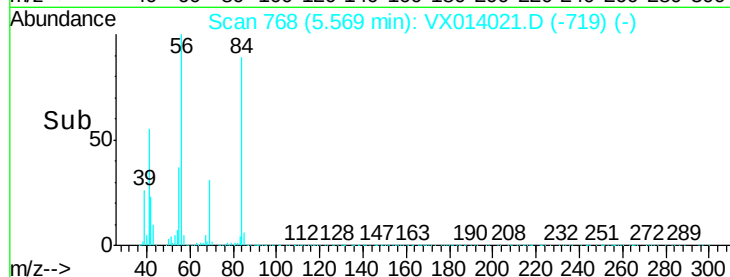
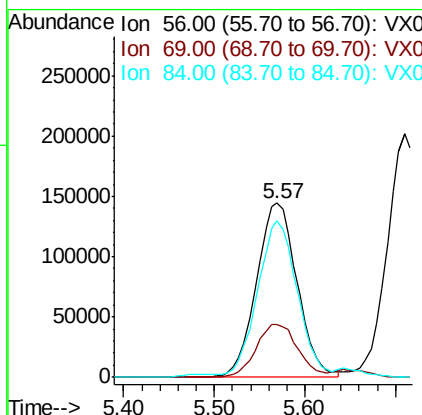
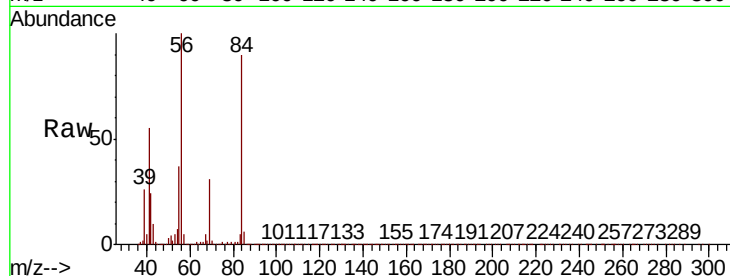
#31
Cyclohexane
Concen: 47.287 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.2	34.8
84	88.1	69.2	103.8

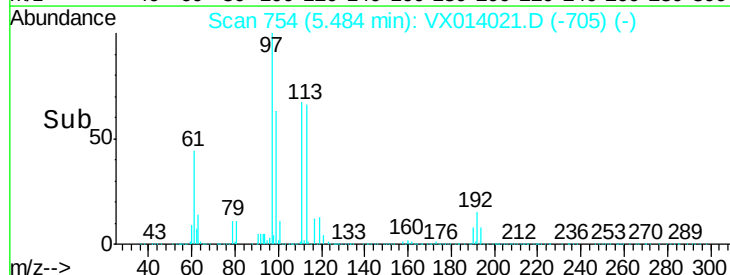
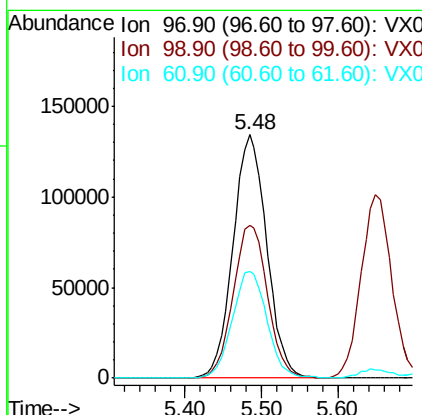
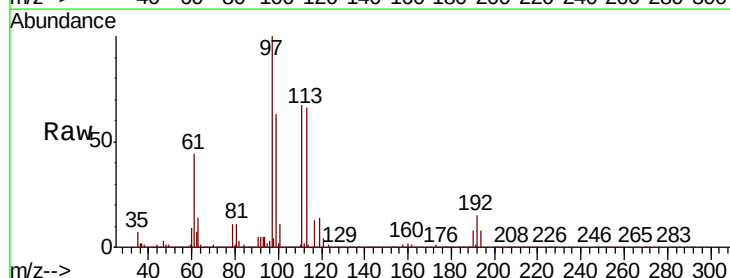
Manual Integrations
APPROVED

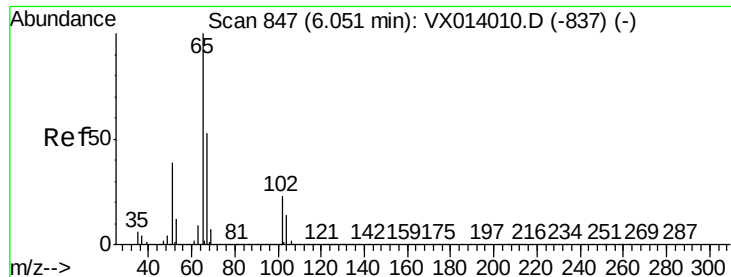
apatel
12/17/2019 2:48:56 PM



#32
1,1,1-Trichloroethane
Concen: 47.471 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	45.0	36.7	55.1





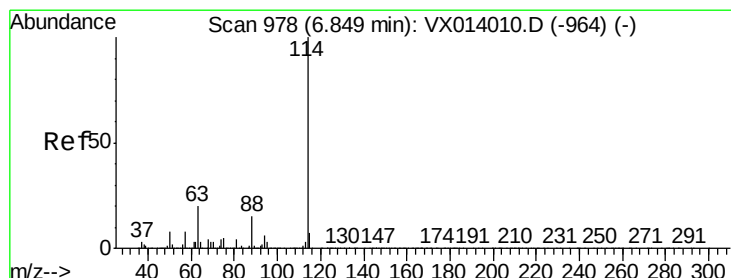
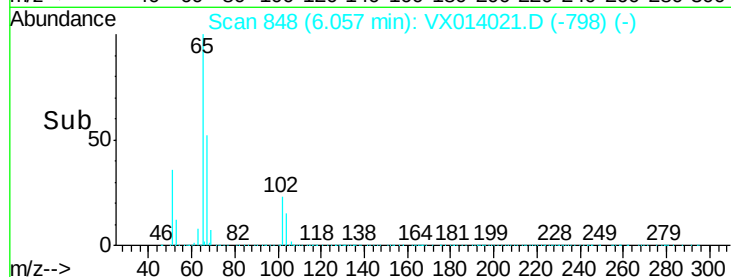
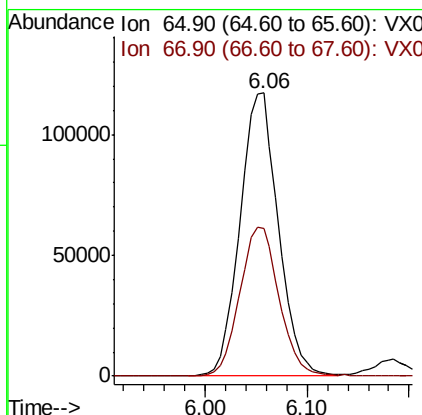
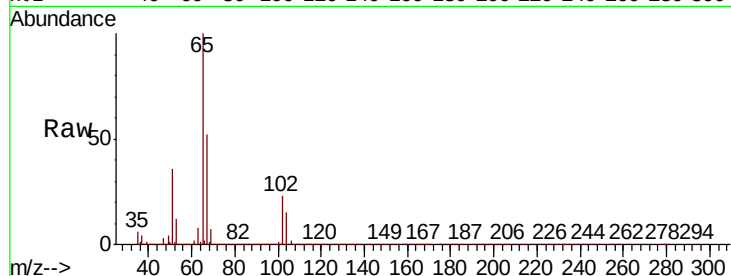
#33
 1,2-Dichloroethane-d4
 Concen: 48.449 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307104		
67	53.9	0.0	106.4	

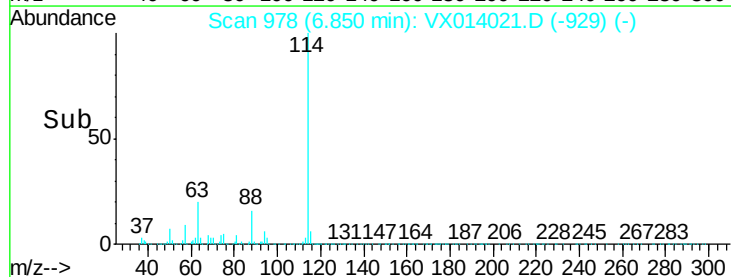
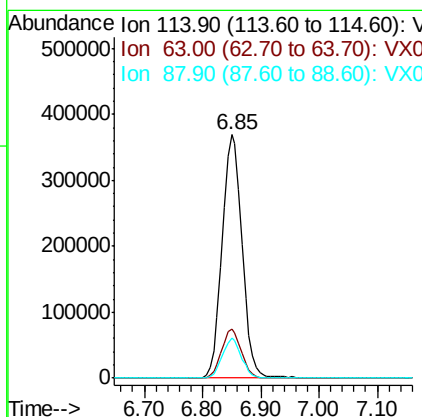
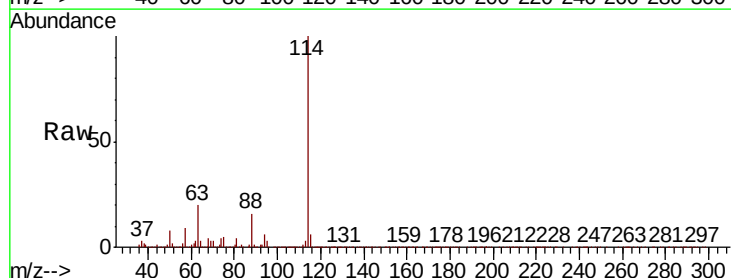
Manual Integrations
 APPROVED

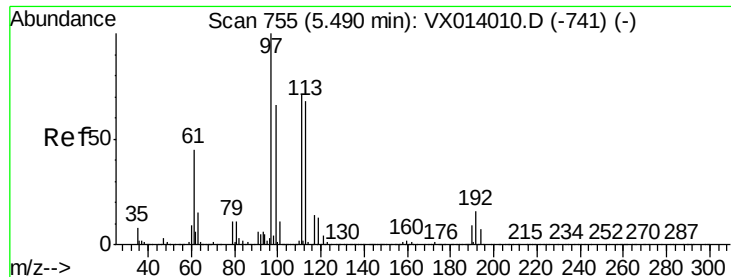
apatel
 12/17/2019 2:48:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	881233		
63	20.4	0.0	40.8	
88	16.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.368 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

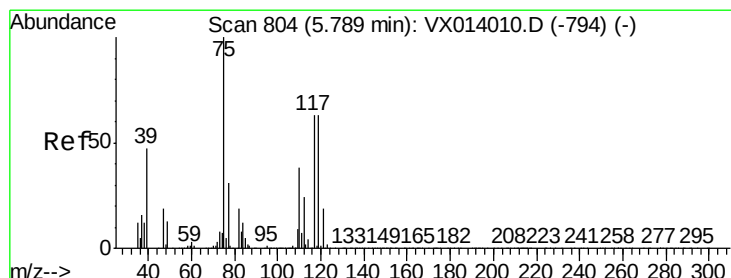
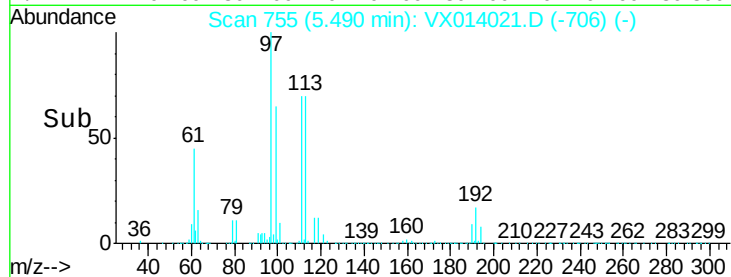
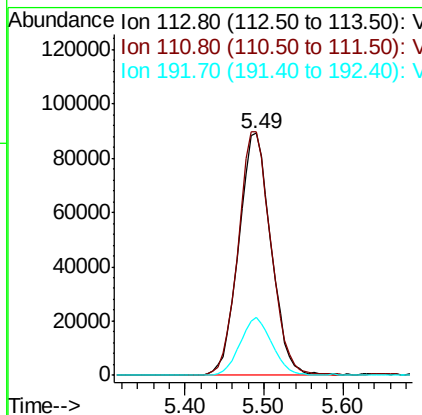
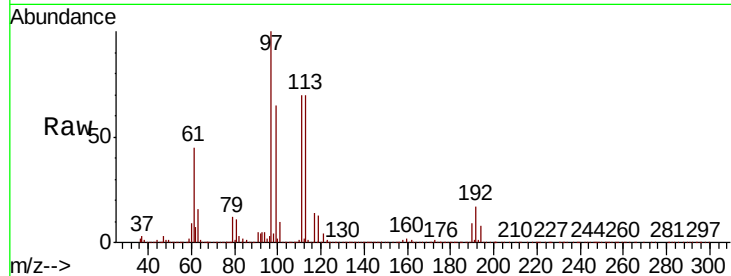
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	253746
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.0	123.0
192	23.7	19.3	28.9

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#36

1,1-Dichloropropene

Concen: 45.596 ug/l

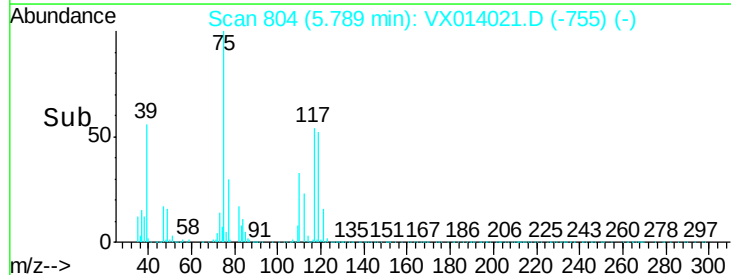
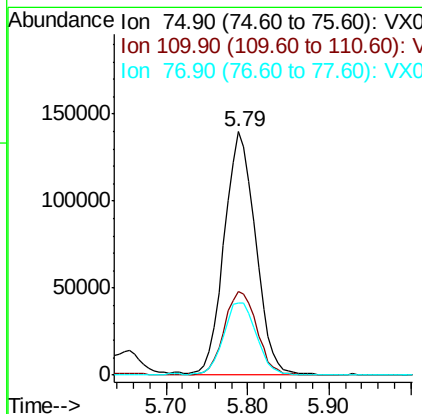
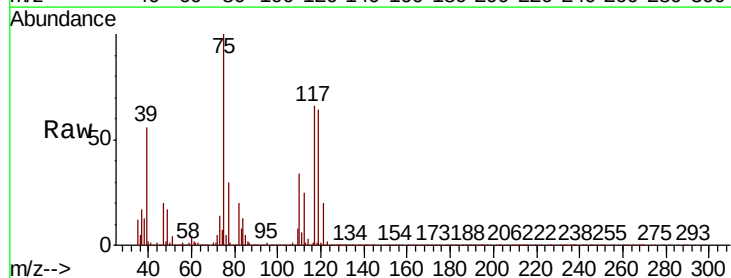
RT: 5.79 min Scan# 804

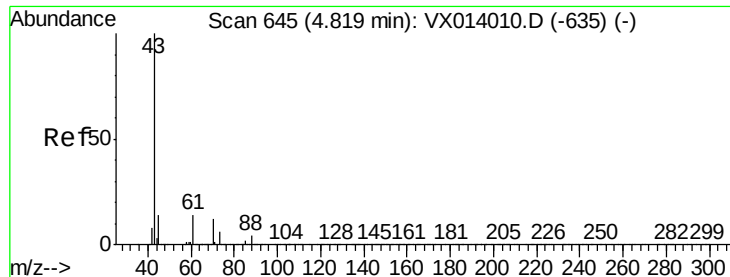
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion:	75	Resp:	368682
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.3	54.9
77	30.9	24.8	37.2





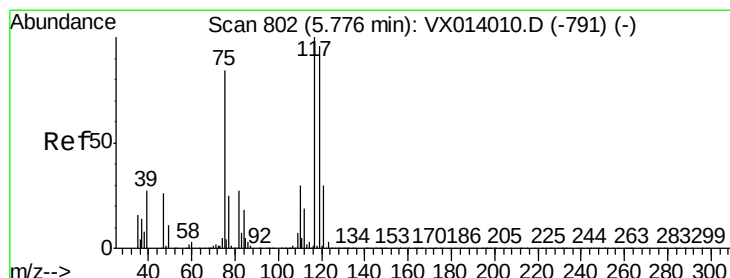
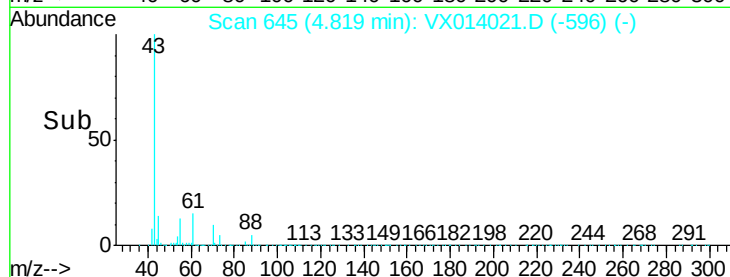
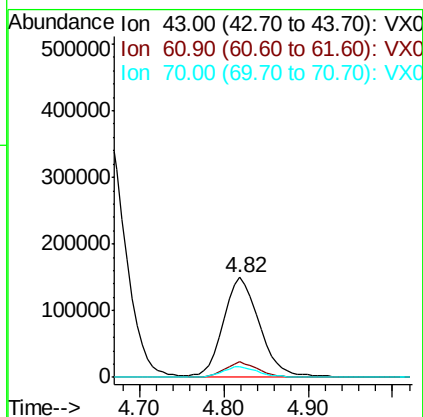
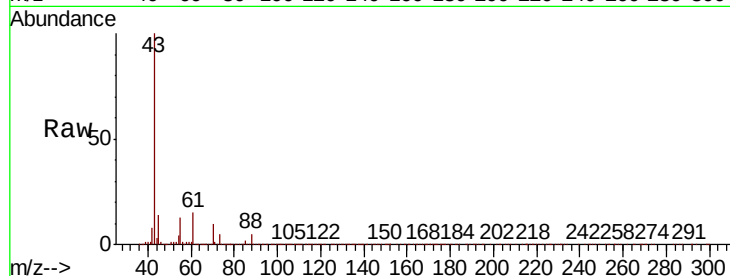
#37
Ethyl Acetate
Concen: 48.257 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	430886
Ion Ratio	Lower	Upper	
43	100		
61	14.1	10.8	16.2
70	10.6	8.6	12.8

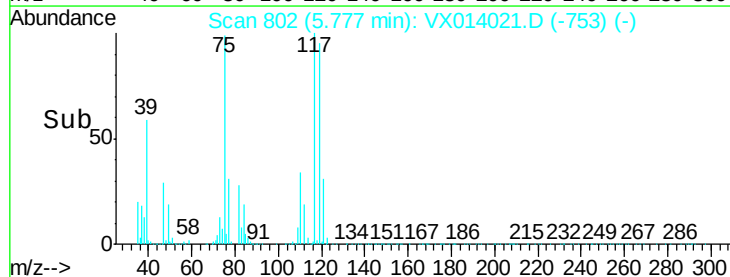
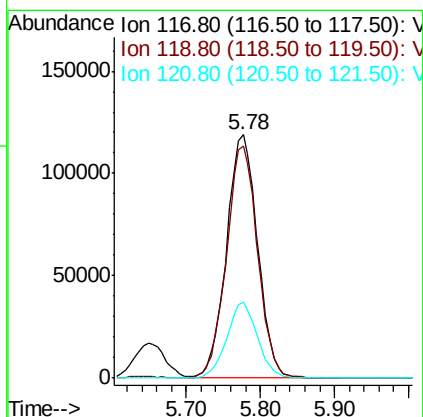
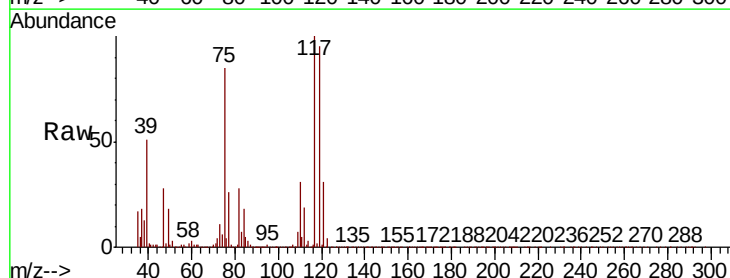
Manual Integrations
APPROVED

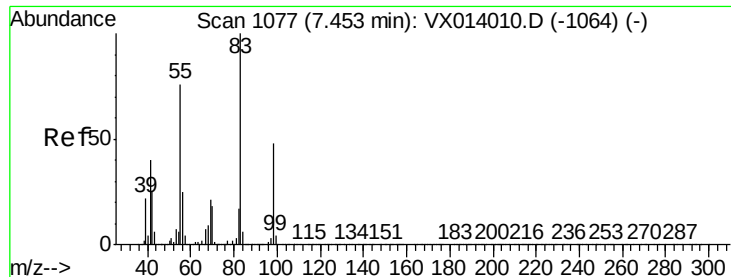
apatel
12/17/2019 2:48:56 PM



#38
Carbon Tetrachloride
Concen: 46.958 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	117	Resp	345896
Ion Ratio	Lower	Upper	
117	100		
119	95.1	76.2	114.4
121	31.2	23.6	35.4





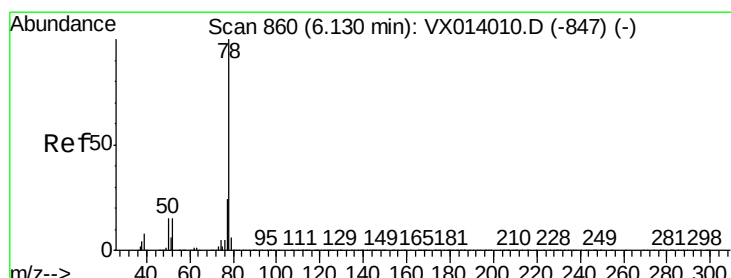
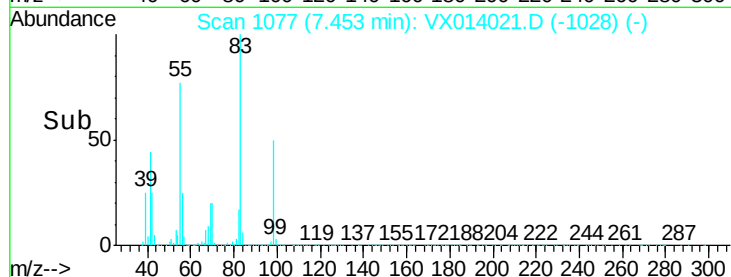
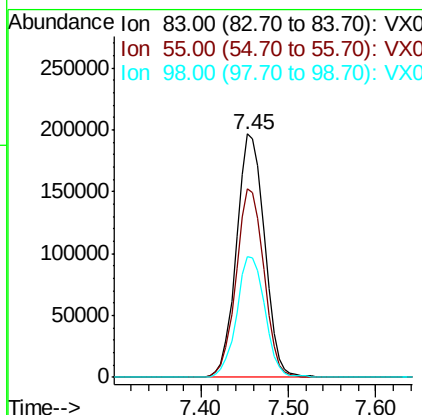
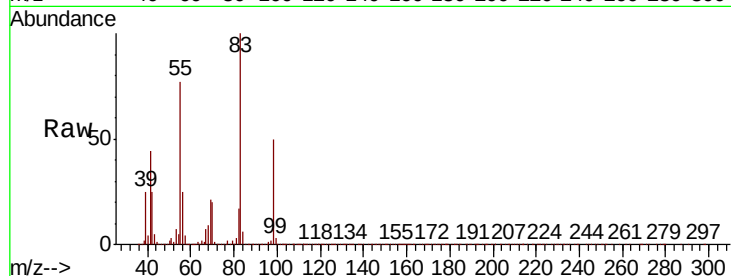
#39
Methylvlcyclohexane
Concen: 44.033 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.6
98	49.5	38.6	57.8

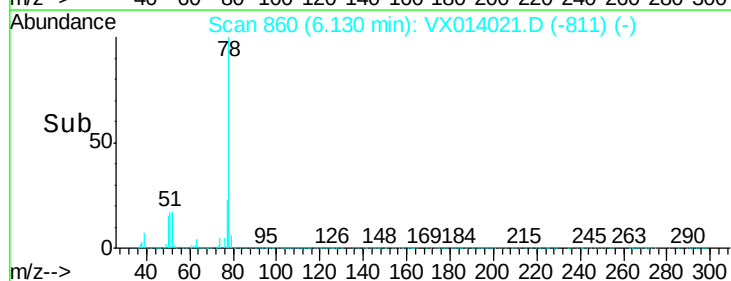
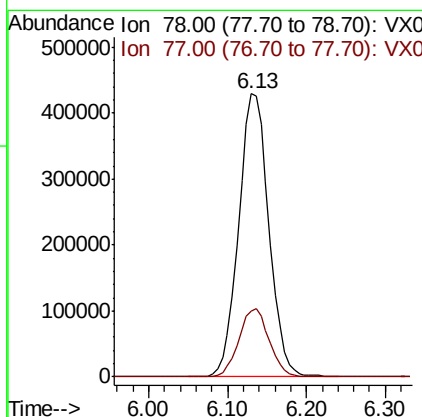
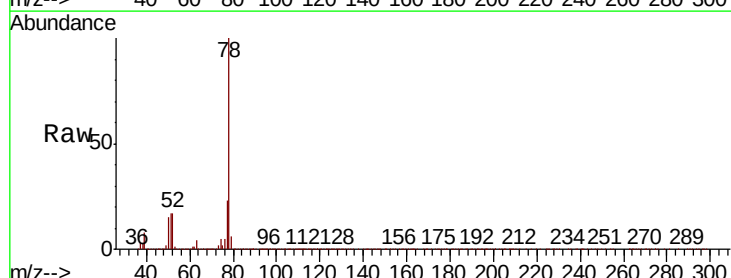
Manual Integrations
APPROVED

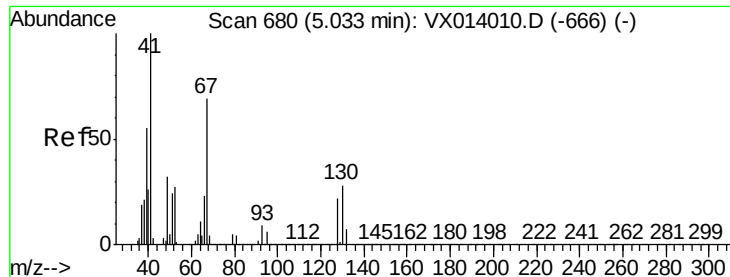
apatel
12/17/2019 2:48:56 PM



#40
Benzene
Concen: 45.917 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





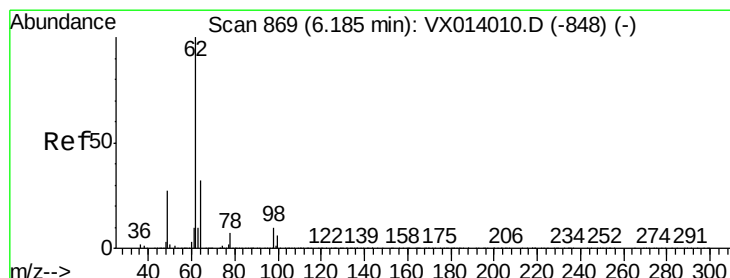
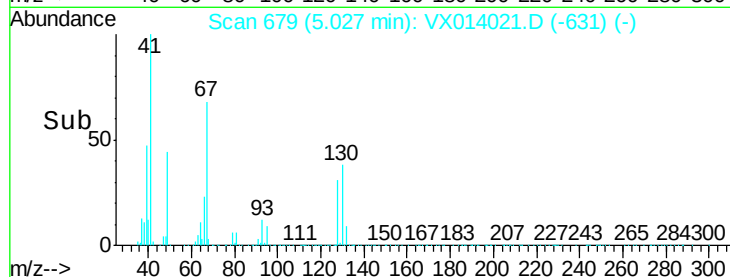
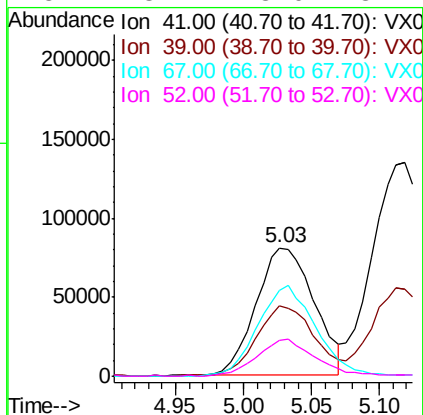
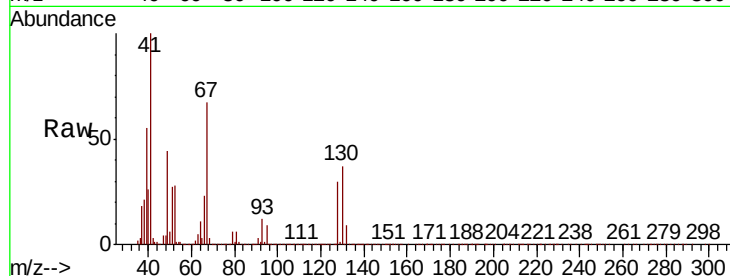
#41
Methacrylonitrile
Concen: 48.844 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.5	66.7	
67	71.6	57.4	86.0	
52	28.2	23.0	34.4	

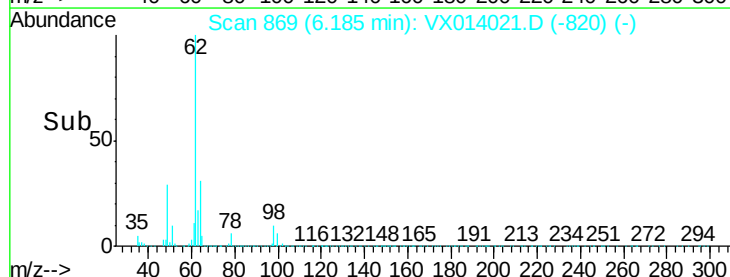
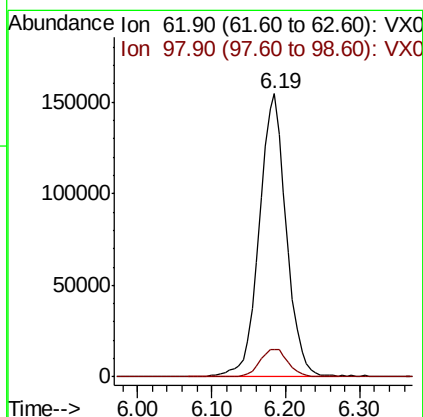
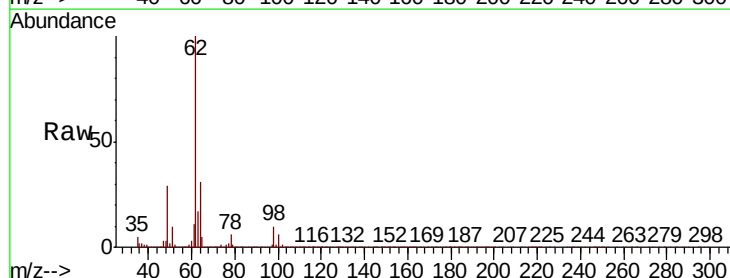
Manual Integrations
APPROVED

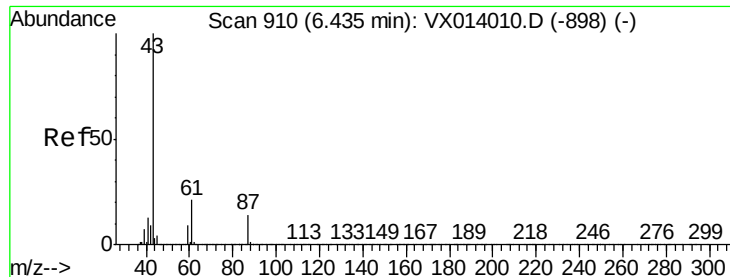
apatel
12/17/2019 2:48:56 PM



#42
1,2-Dichloroethane
Concen: 46.332 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	21.0	





#43

Isopropyl Acetate

Concen: 48.506 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

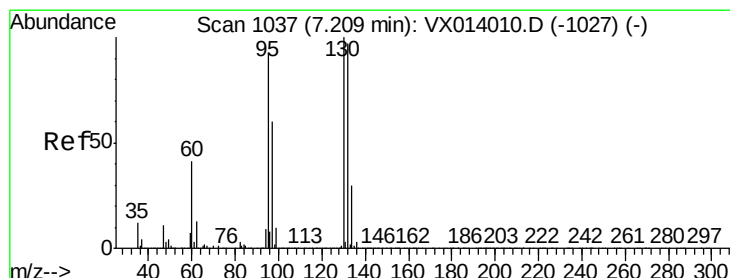
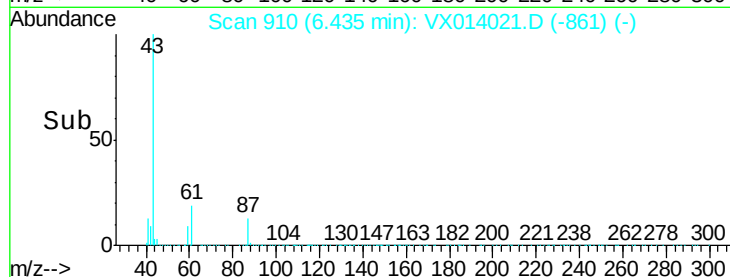
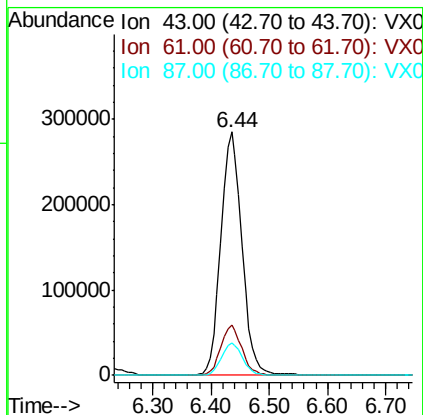
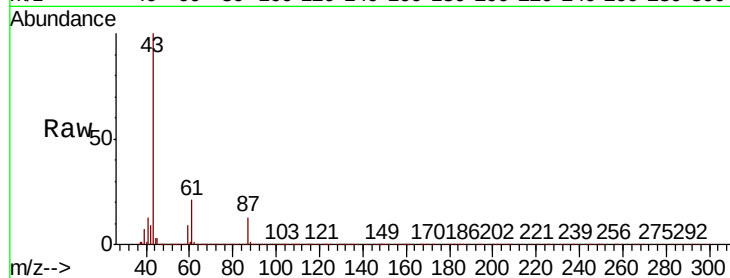
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	716774
Ion Ratio	Lower	Upper	
43	100		
61	20.6	16.4	24.6
87	13.3	10.7	16.1

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#44

Trichloroethene

Concen: 46.046 ug/l

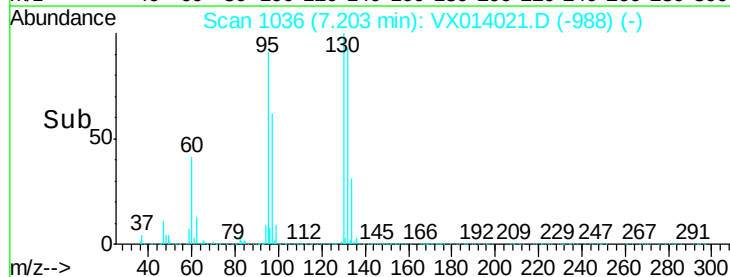
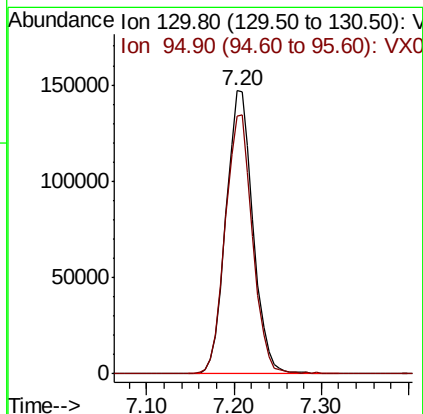
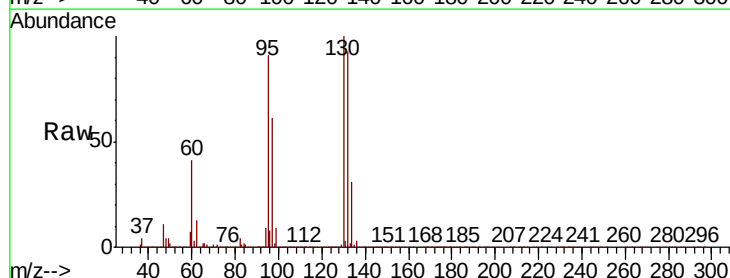
RT: 7.20 min Scan# 1036

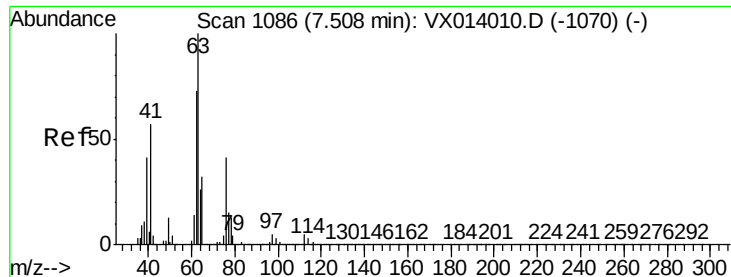
Delta R.T. -0.01 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion	130	Resp	316421
Ion Ratio	Lower	Upper	
130	100		
95	91.0	0.0	185.6





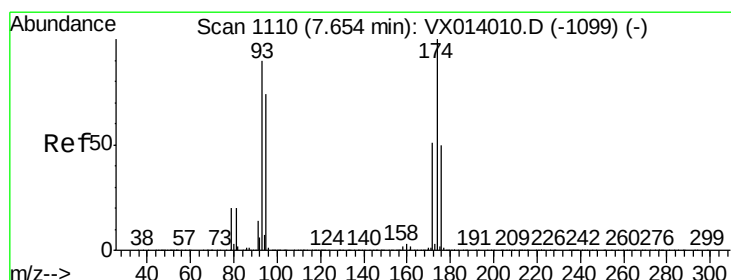
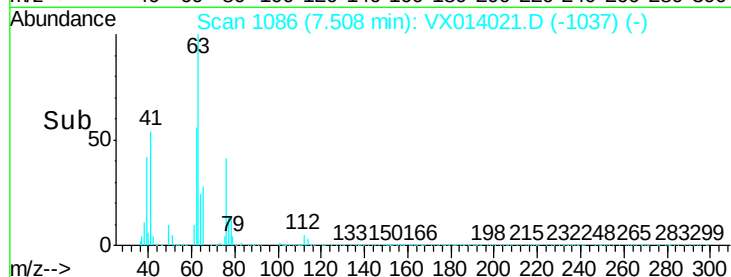
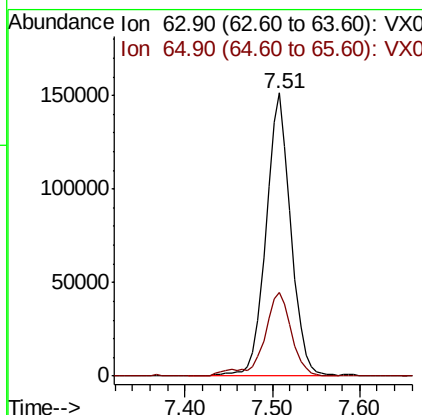
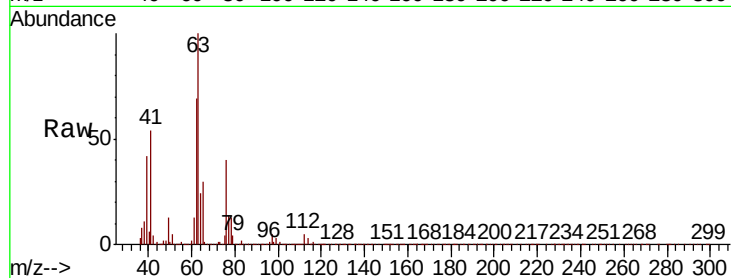
#45
 1,2-Dichloropropane
 Concen: 47.098 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	25.8	38.8

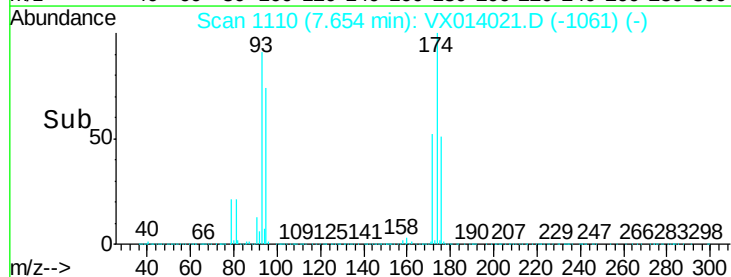
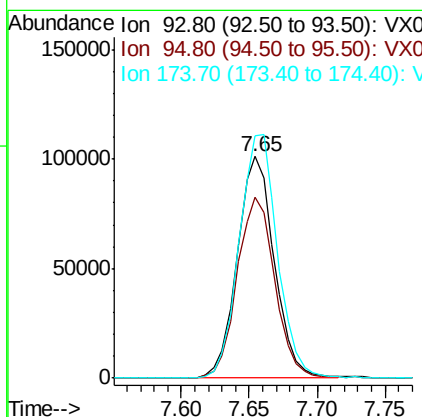
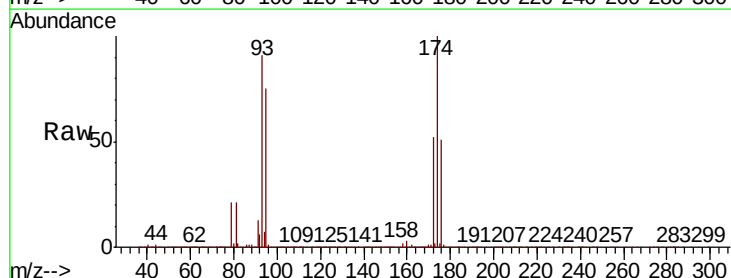
Manual Integrations
 APPROVED

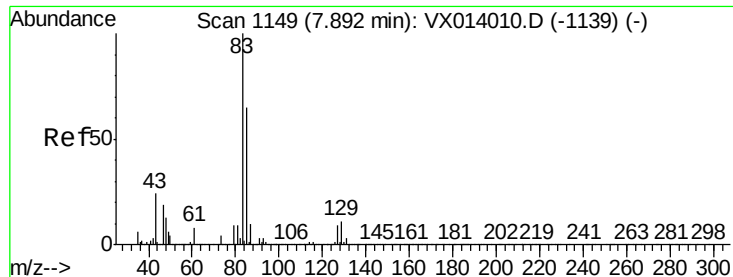
apatel
 12/17/2019 2:48:56 PM



#46
 Dibromomethane
 Concen: 45.579 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.3	100.9
174	114.0	91.6	137.4





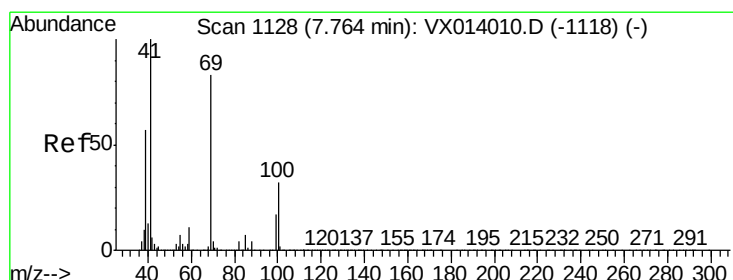
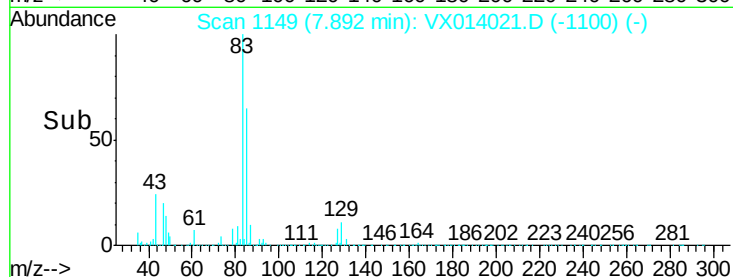
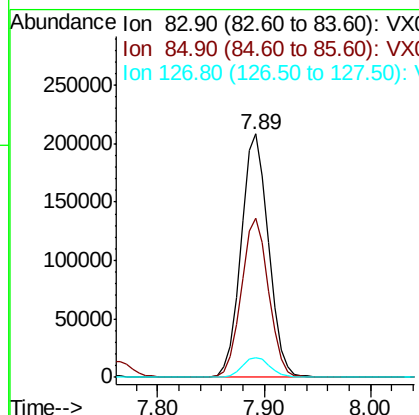
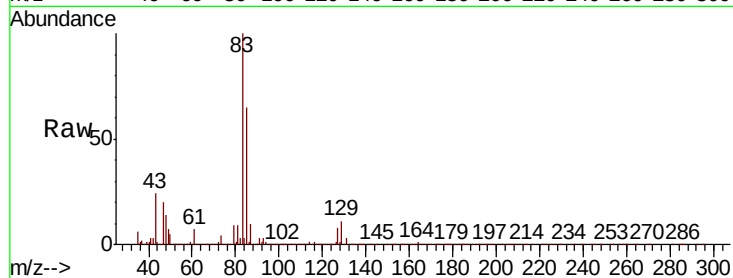
#47
Bromodichloromethane
Concen: 47.437 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	376661
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8
127	8.2	7.0	10.4

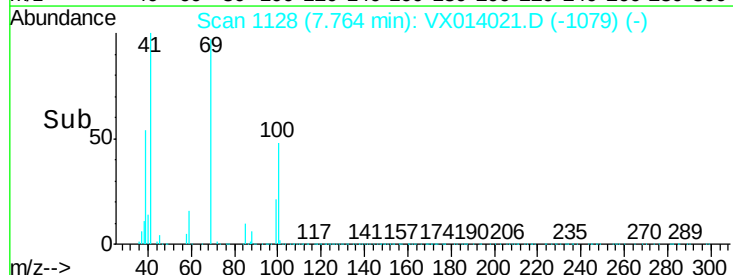
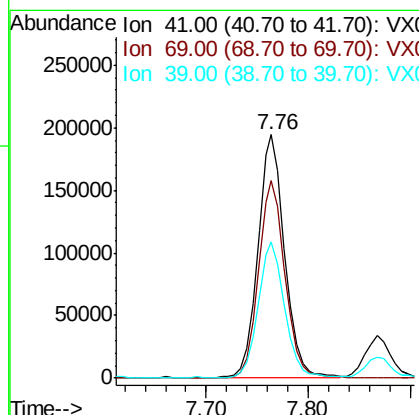
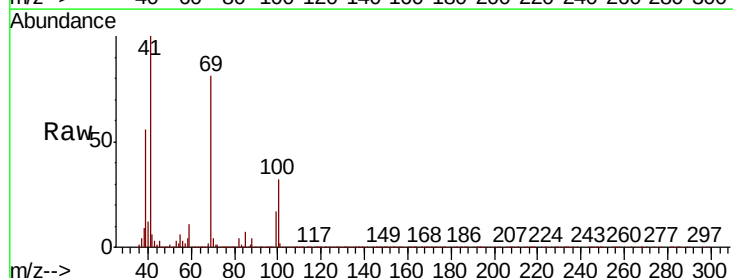
Manual Integrations
APPROVED

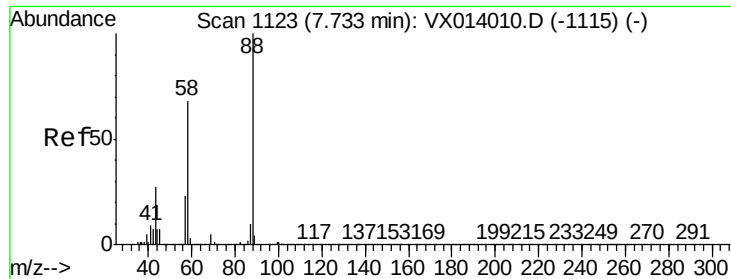
apatel
12/17/2019 2:48:56 PM



#48
Methyl methacrylate
Concen: 48.709 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	41	Resp	352452
Ion	Ratio	Lower	Upper
41	100		
69	81.0	65.8	98.6
39	55.7	44.6	67.0





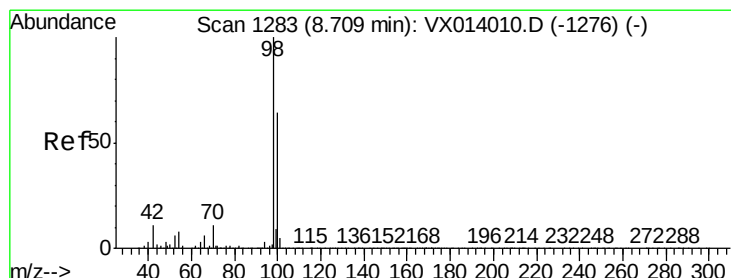
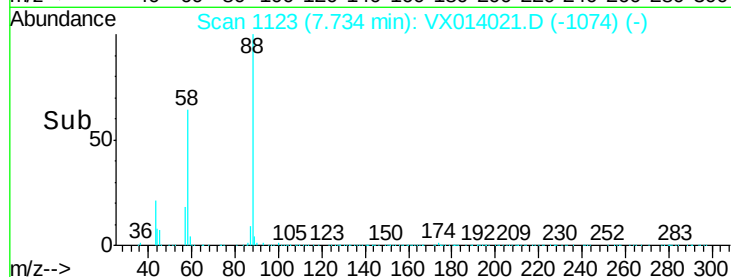
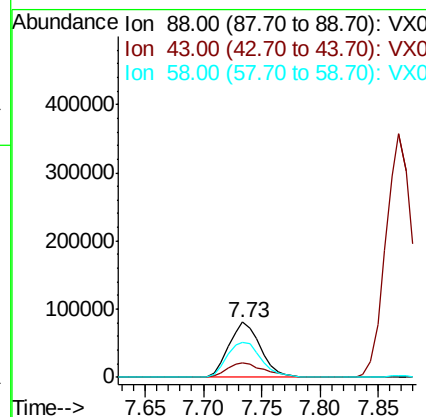
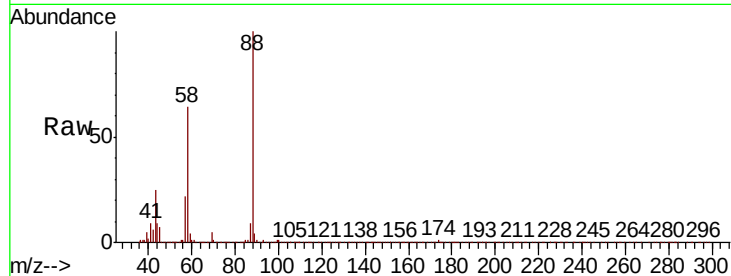
#49
1,4-Dioxane
Concen: 1035.449 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.5	39.7
58	70.0	56.8	85.2

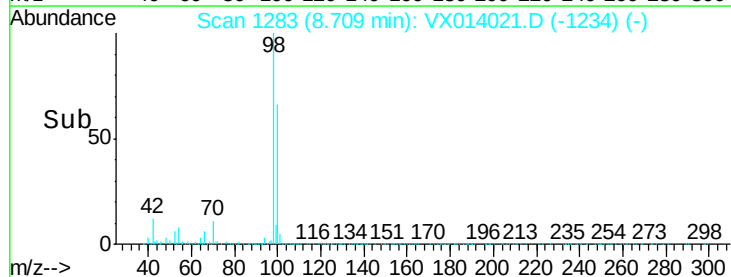
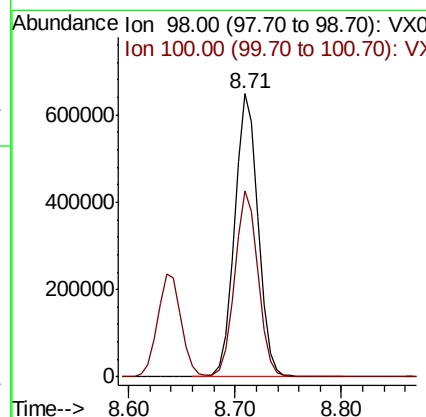
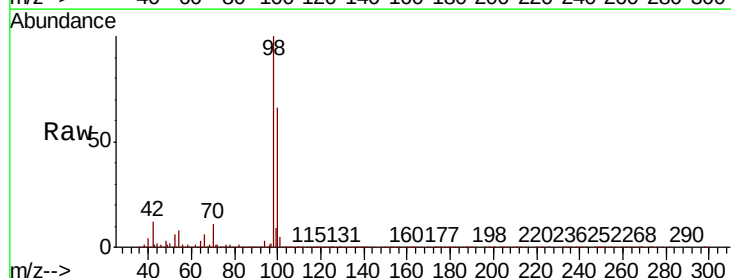
Manual Integrations
APPROVED

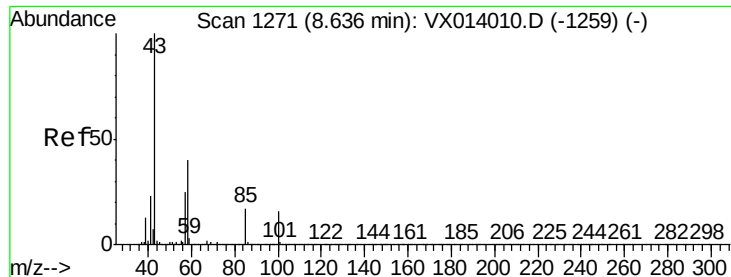
apatel
12/17/2019 2:48:56 PM



#50
Toluene-d8
Concen: 47.811 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 245.307 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2276520

Ion Ratio Lower Upper

43 100

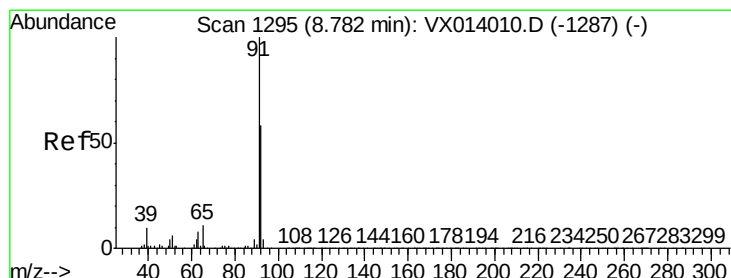
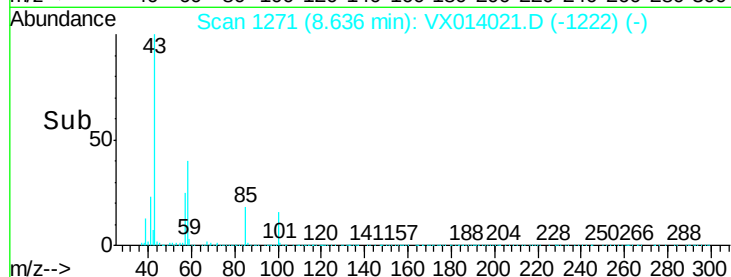
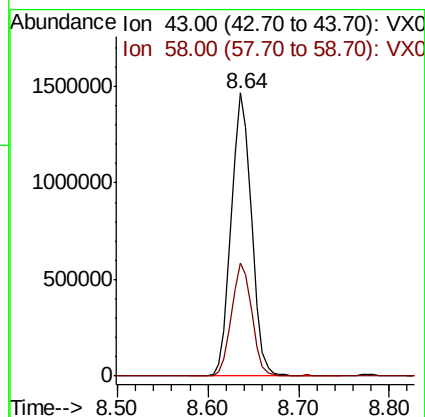
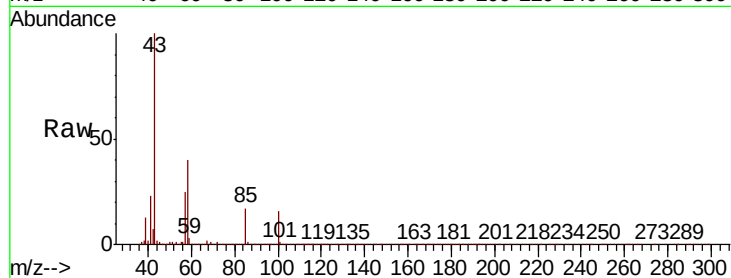
58 39.7 32.2 48.2

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#52

Toluene

Concen: 46.026 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014021.D

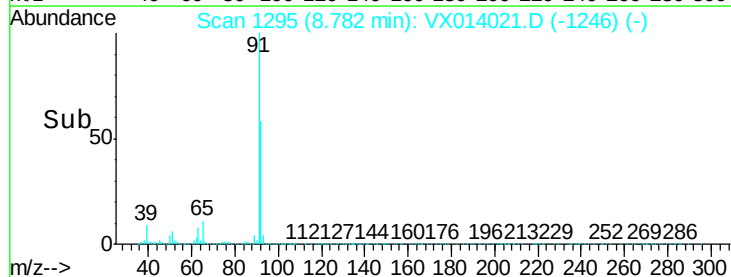
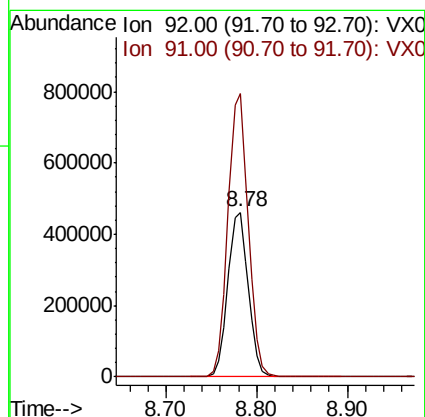
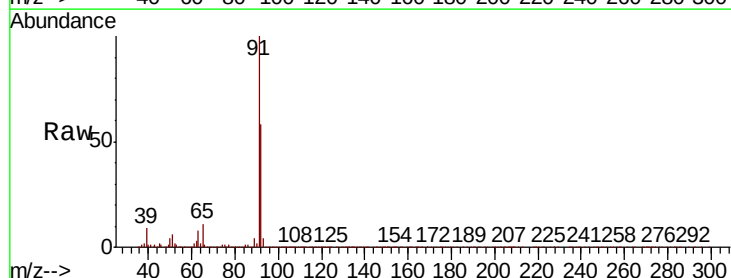
Acq: 13 Dec 2019 22:04

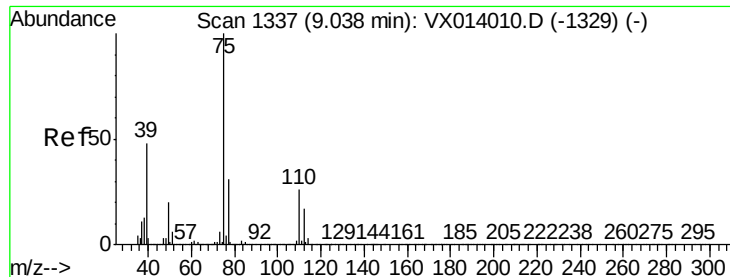
Tgt Ion: 92 Resp: 723765

Ion Ratio Lower Upper

92 100

91 171.0 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 48.259 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 420166

Ion Ratio Lower Upper

75 100

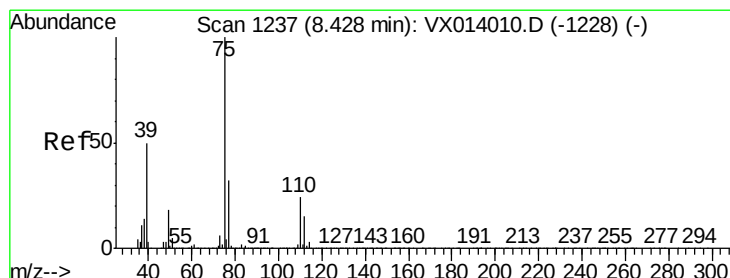
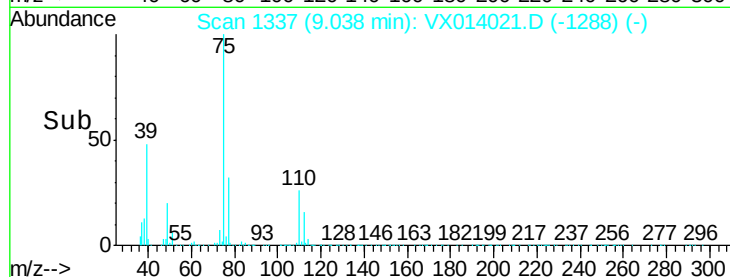
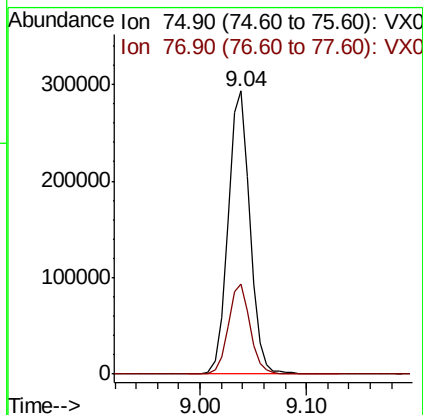
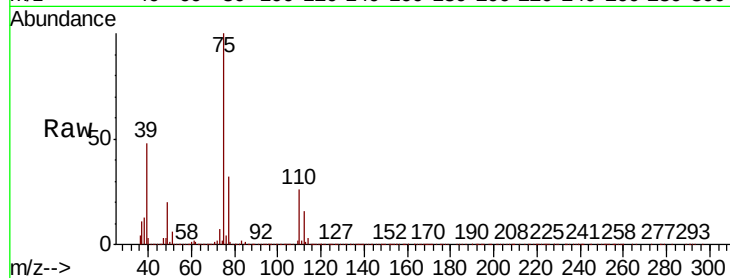
77 31.9 25.1 37.7

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#54

cis-1,3-Dichloropropene

Concen: 48.398 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

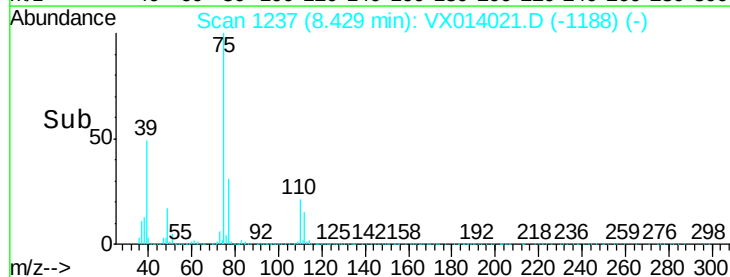
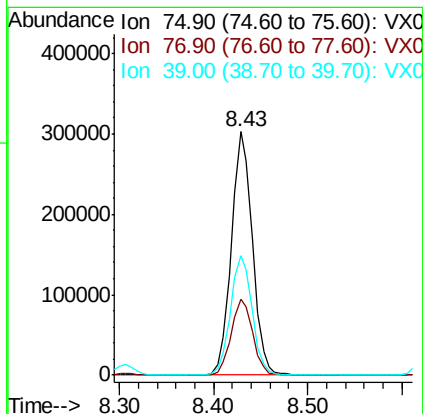
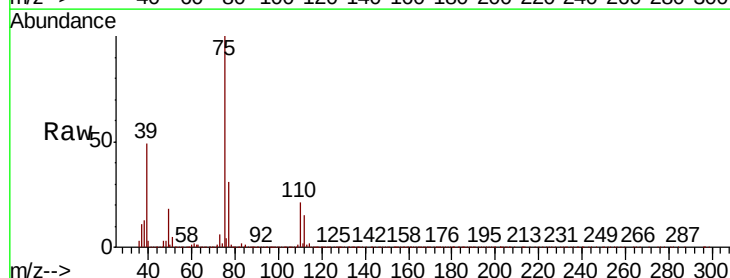
Tgt Ion: 75 Resp: 469439

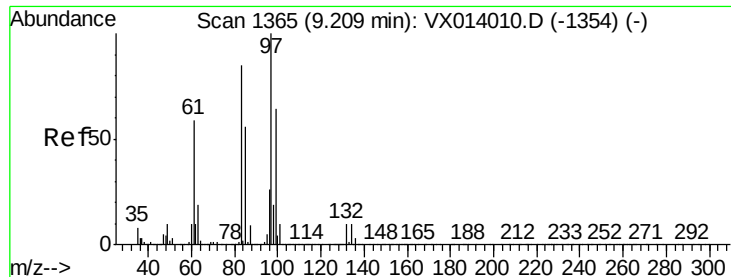
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 49.1 39.9 59.9





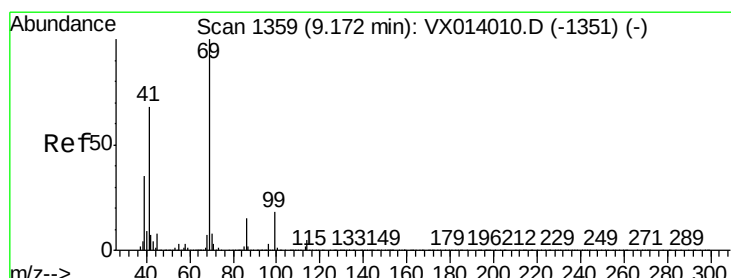
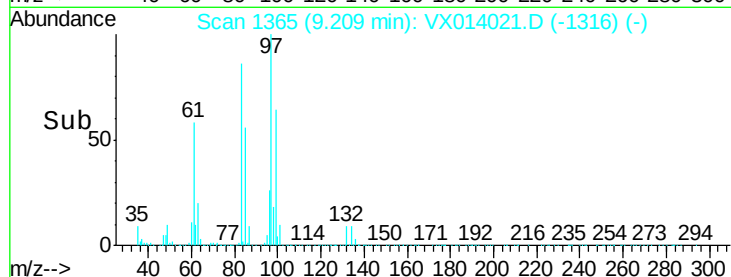
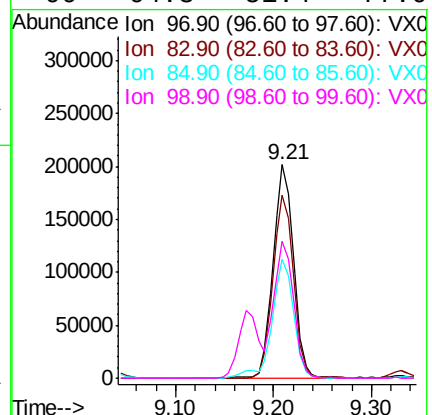
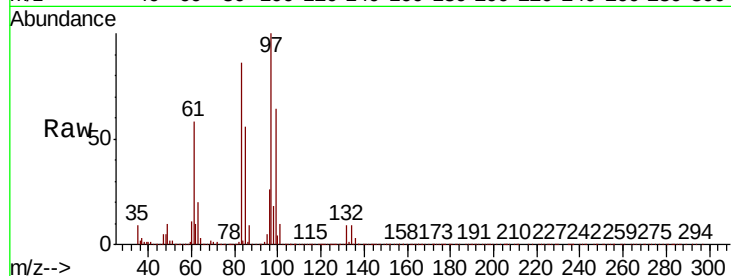
#55
 1,1,2-Trichloroethane
 Concen: 46.525 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		293228		
83	85.4	68.2	102.4		
85	55.6	44.6	66.8		
99	64.3	51.4	77.0		

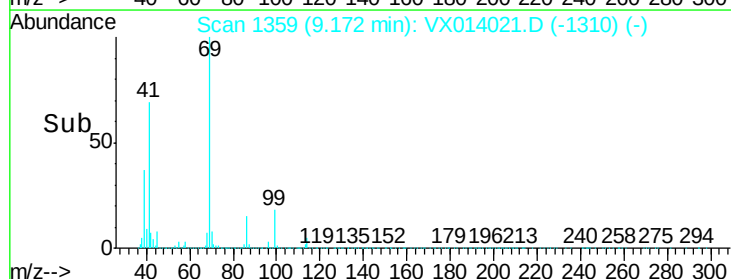
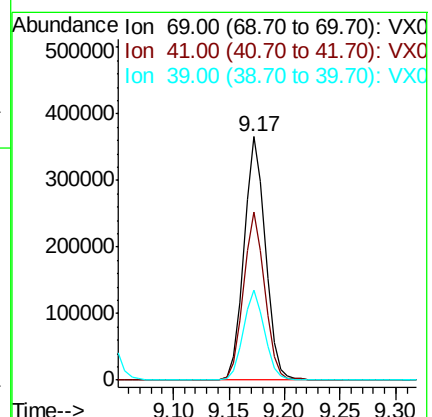
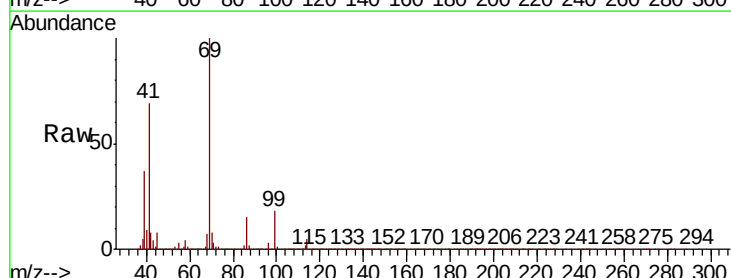
Manual Integrations
 APPROVED

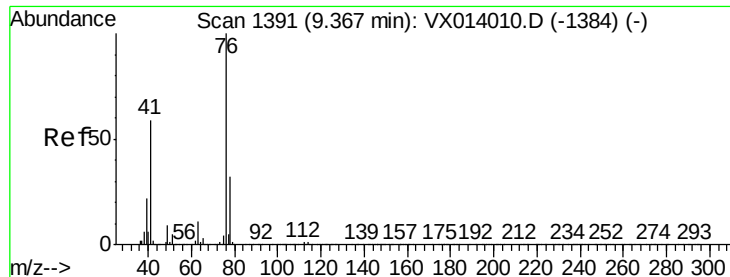
apatel
 12/17/2019 2:48:56 PM



#56
 Ethyl methacrylate
 Concen: 49.260 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		487685		
41	68.3	54.8	82.2		
39	36.2	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 47.292 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 501482

Ion Ratio Lower Upper

76 100

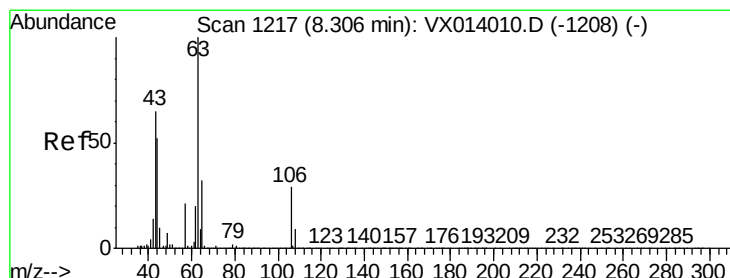
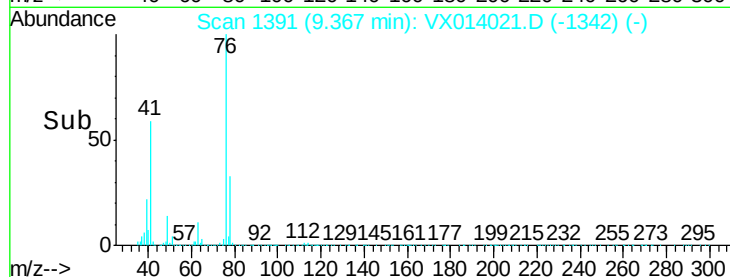
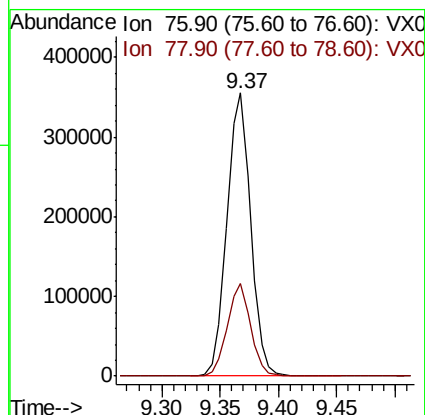
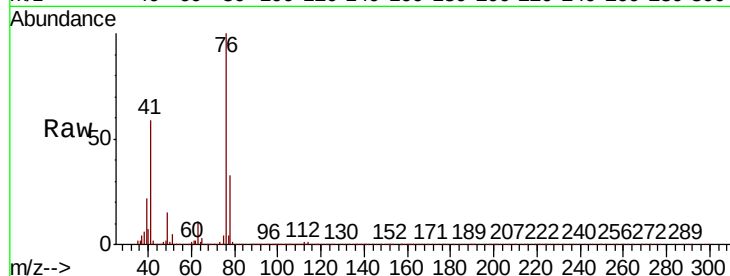
78 32.3 25.8 38.6

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#58

2-Chloroethyl Vinyl ether

Concen: 250.708 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014021.D

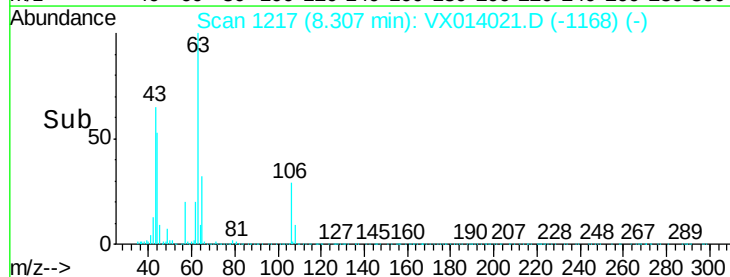
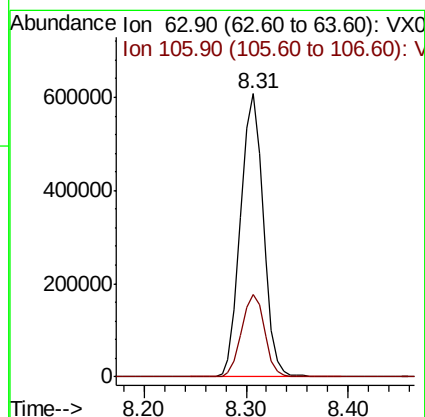
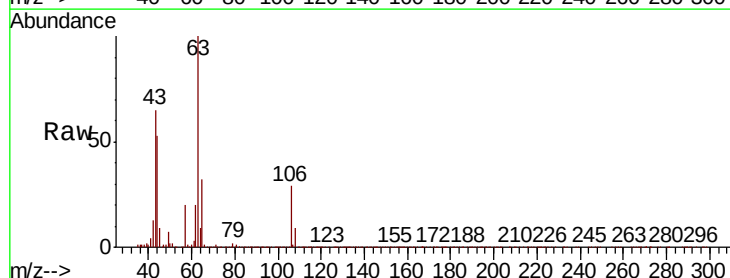
Acq: 13 Dec 2019 22:04

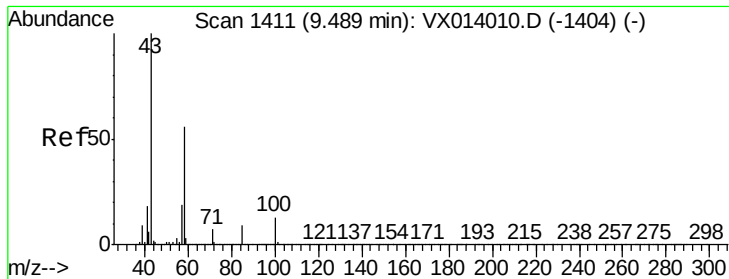
Tgt Ion: 63 Resp: 939304

Ion Ratio Lower Upper

63 100

106 29.5 23.0 34.6





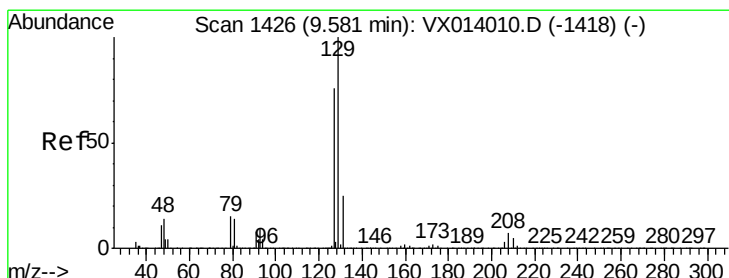
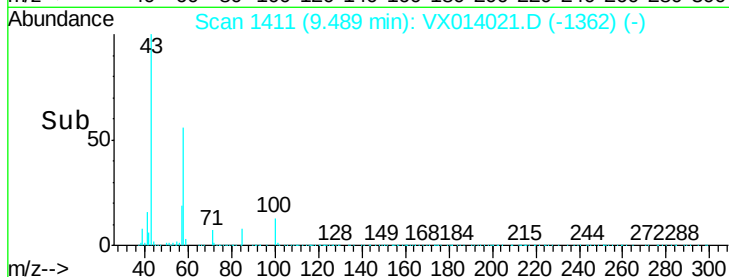
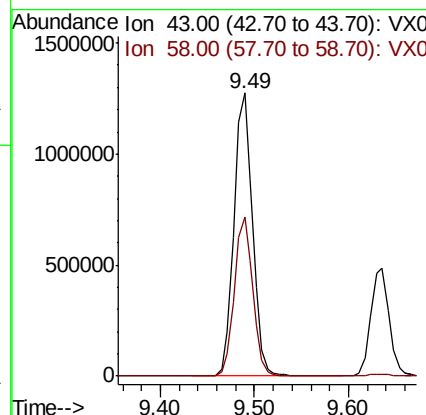
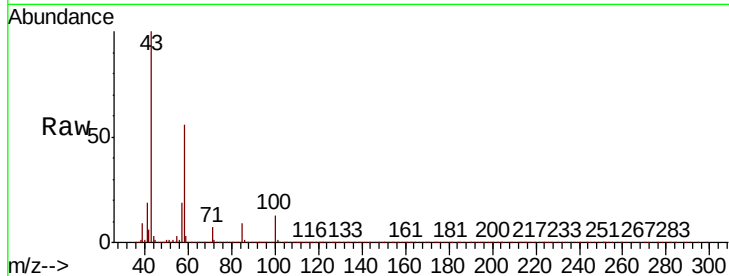
#59
2-Hexanone
Concen: 233.120 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1741557
Ion Ratio Lower Upper
43 100
58 55.7 28.0 84.0

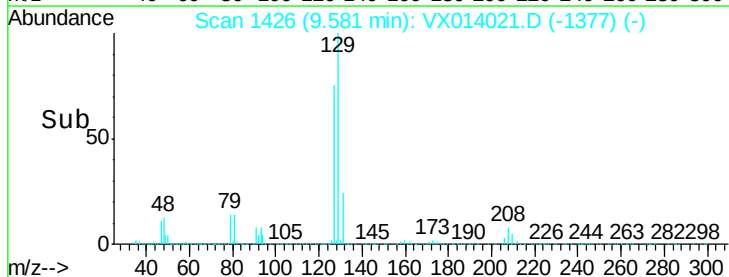
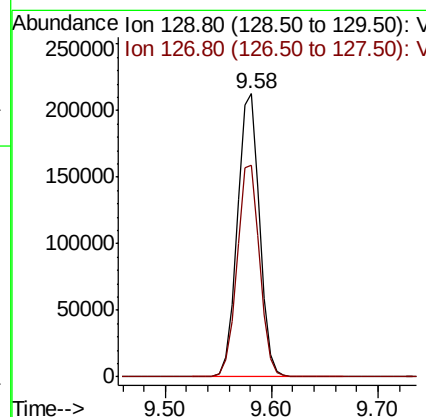
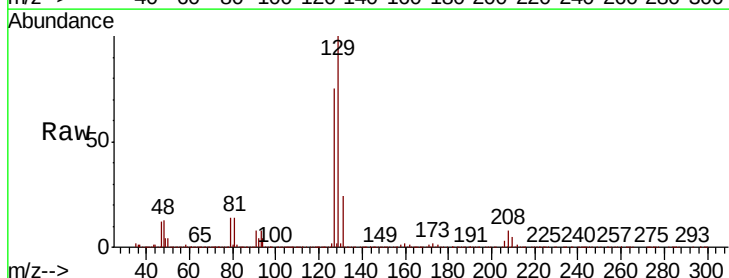
Manual Integrations
APPROVED

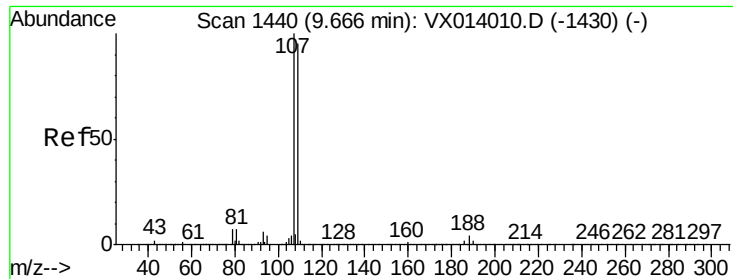
apatel
12/17/2019 2:48:56 PM



#60
Dibromochloromethane
Concen: 49.510 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion: 129 Resp: 310169
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 47.583 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 306841

Ion Ratio Lower Upper

107 100

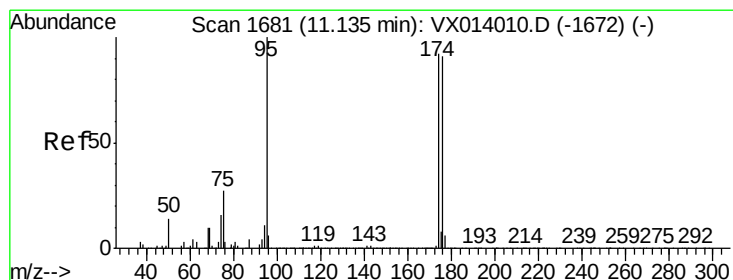
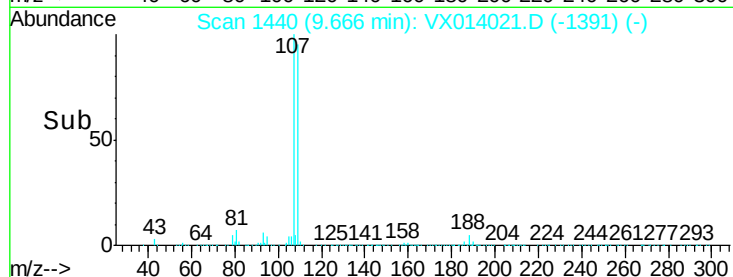
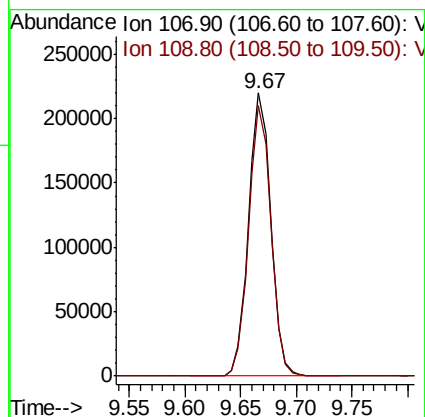
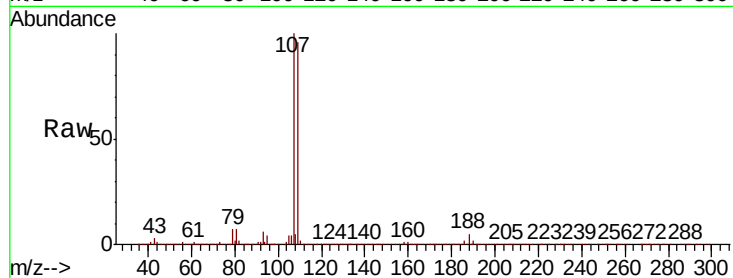
109 95.5 75.7 113.5

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#62

4-Bromofluorobenzene

Concen: 47.269 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

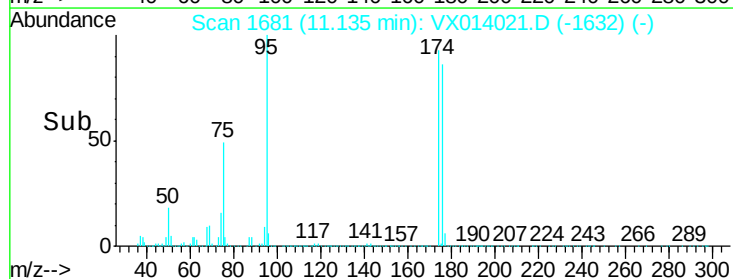
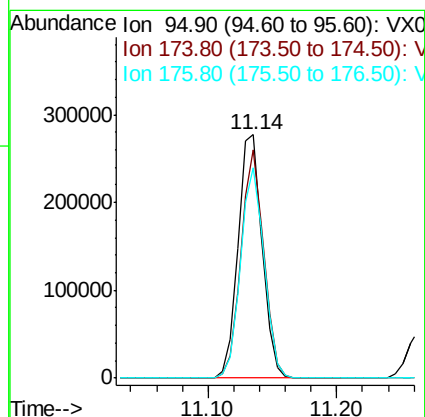
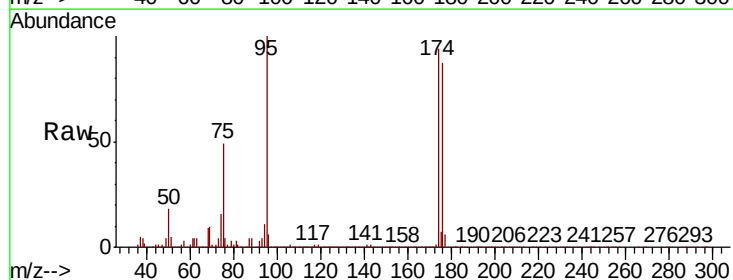
Tgt Ion: 95 Resp: 360370

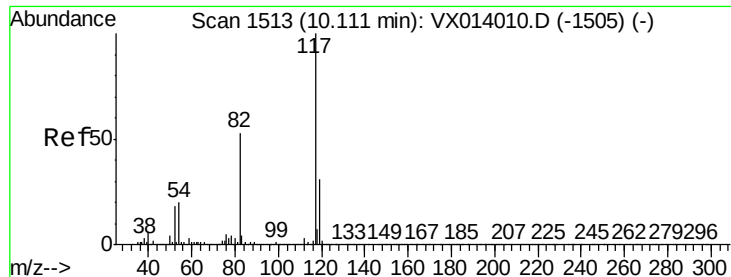
Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.8

176 84.3 0.0 173.0





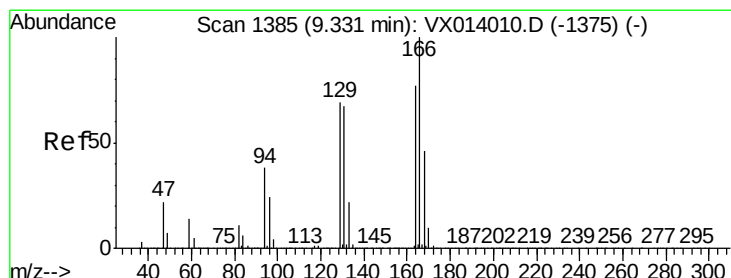
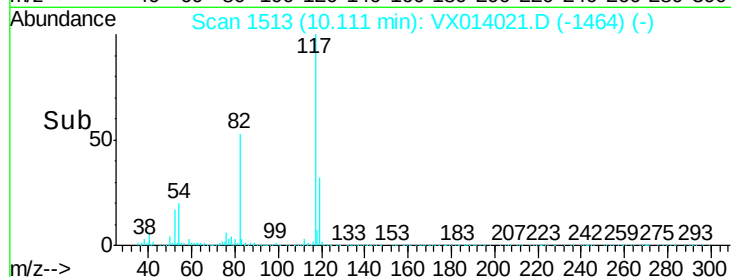
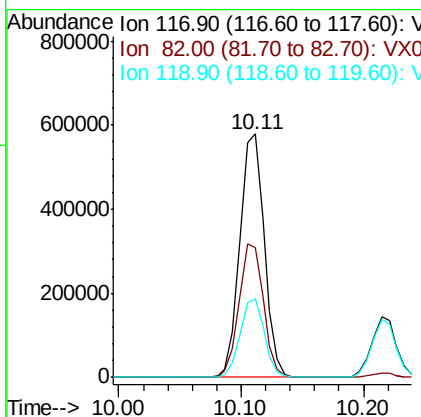
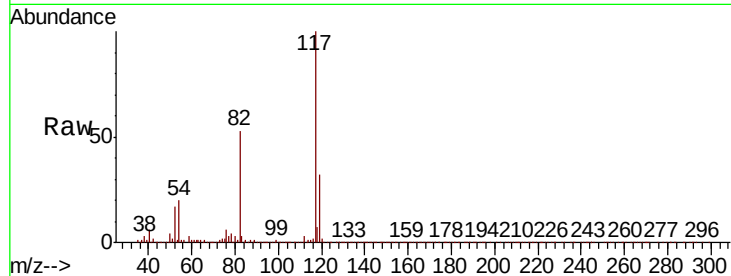
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.5	25.1	37.7

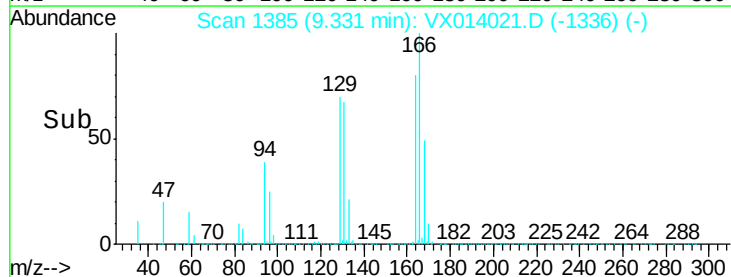
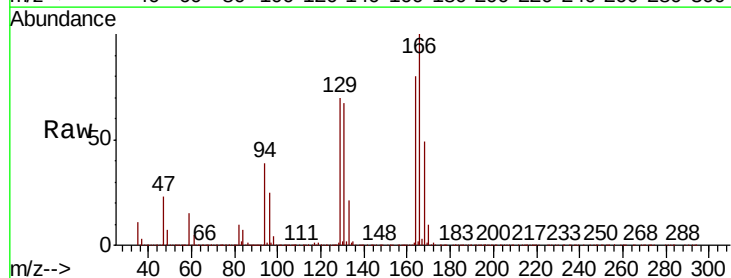
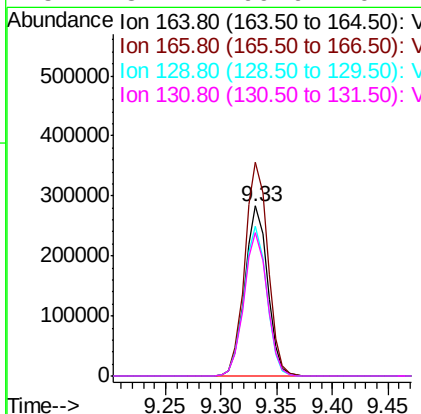
Manual Integrations
APPROVED

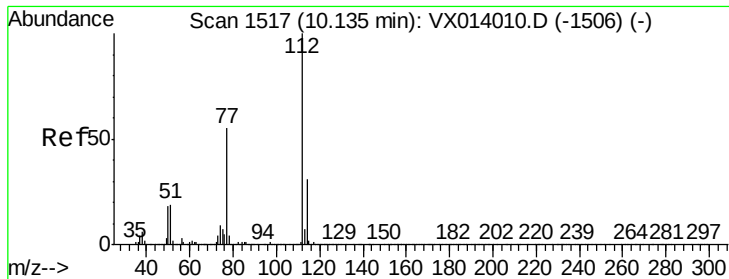
apatel
12/17/2019 2:48:56 PM



#64
Tetrachloroethene
Concen: 57.054 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	104.0	156.0
129	88.2	72.2	108.4
131	84.2	69.6	104.4





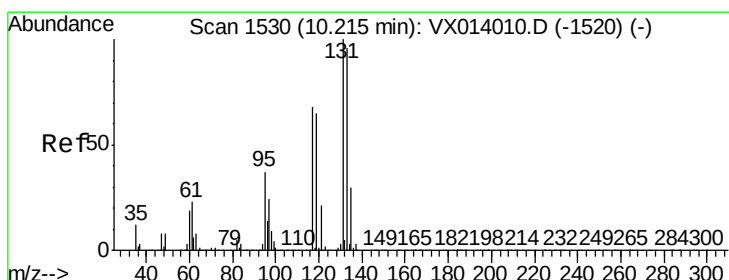
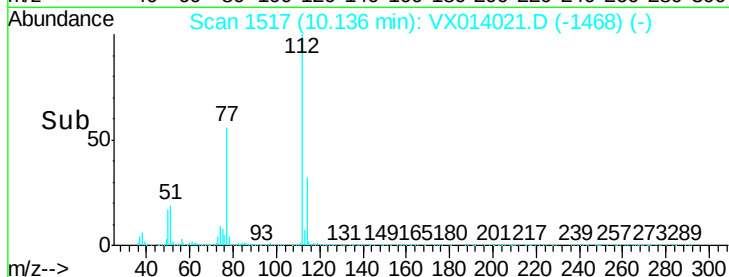
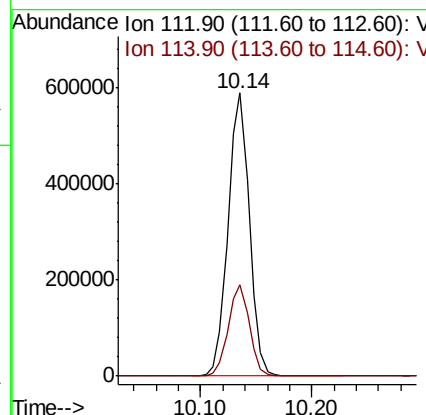
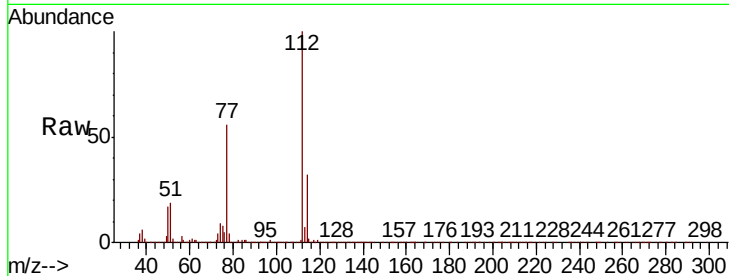
#65
Chlorobenzene
Concen: 45.792 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.9	37.3

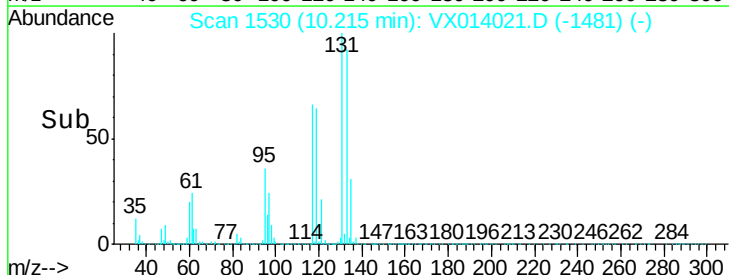
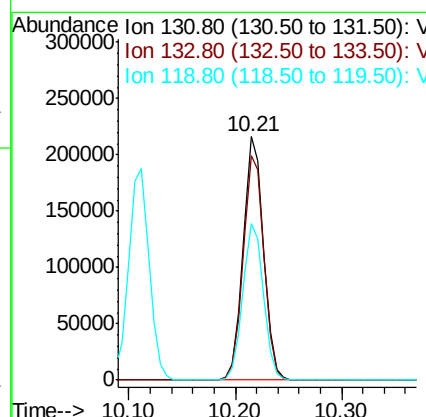
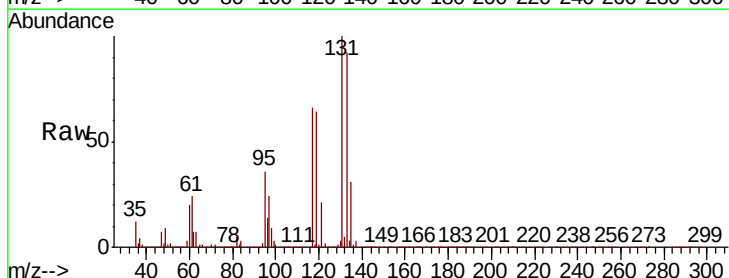
Manual Integrations
APPROVED

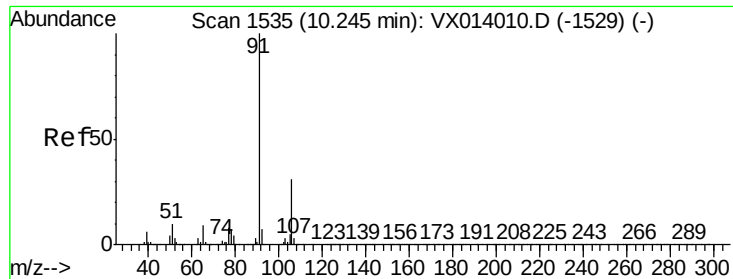
apatel
12/17/2019 2:48:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.013 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.0	144.0
119	65.3	33.4	100.2





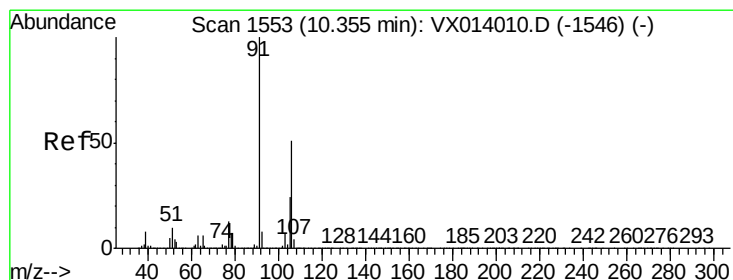
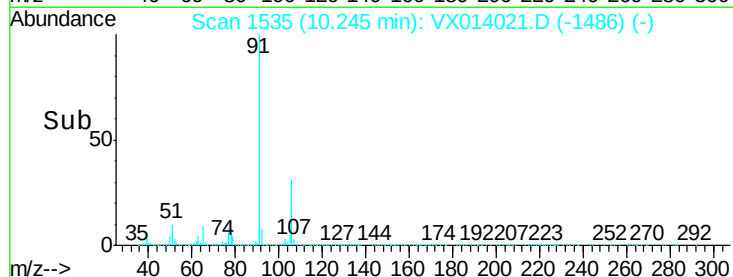
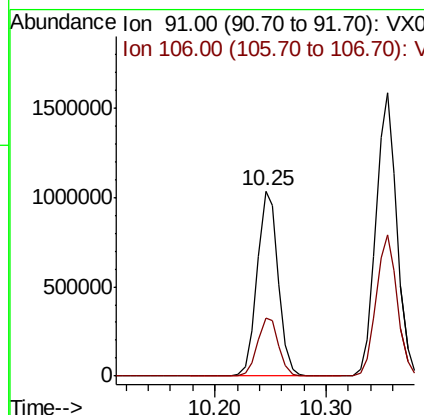
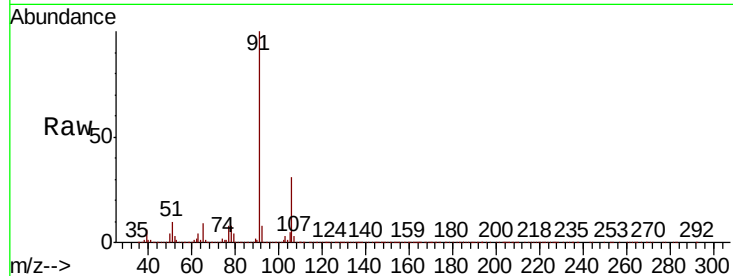
#67
Ethyl Benzene
Concen: 46.551 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1361190
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

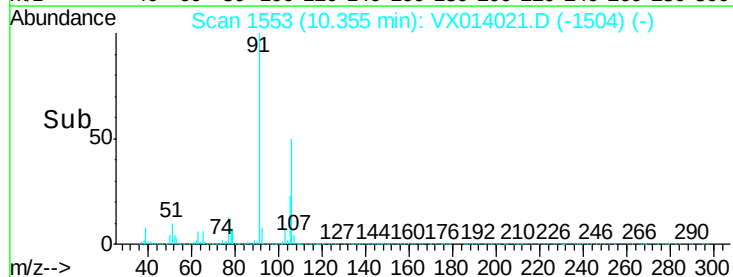
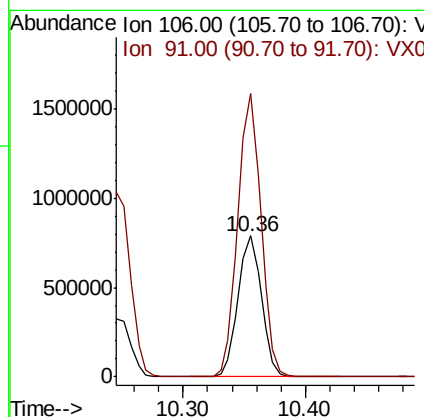
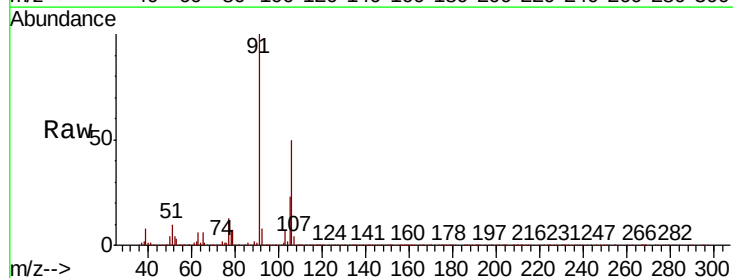
Manual Integrations
APPROVED

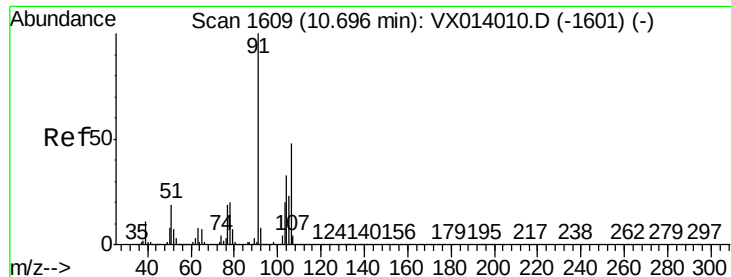
apatel
12/17/2019 2:48:56 PM



#68
m/p-Xylenes
Concen: 92.554 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion: 106 Resp: 1040896
Ion Ratio Lower Upper
106 100
91 199.0 158.6 238.0





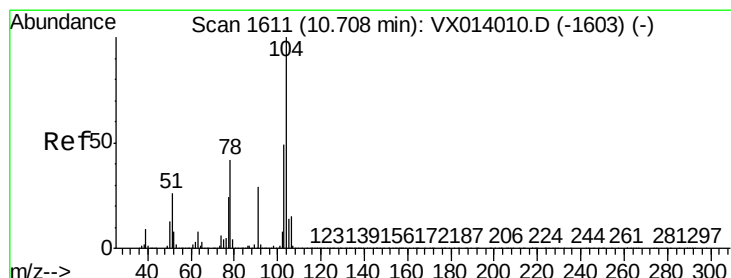
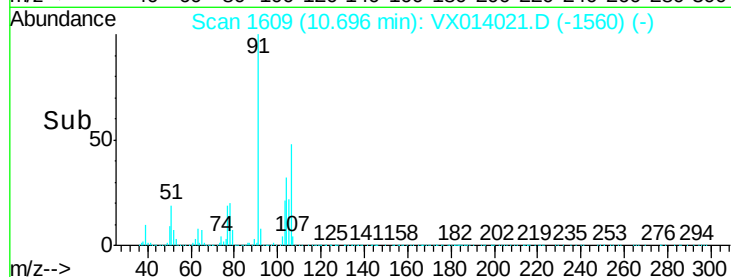
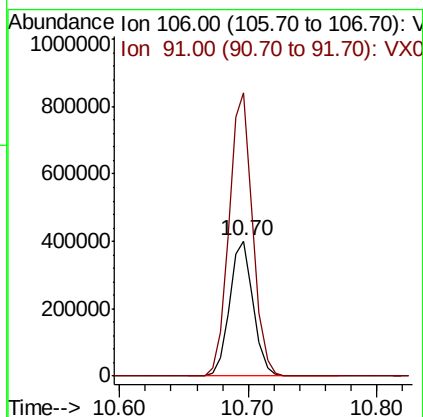
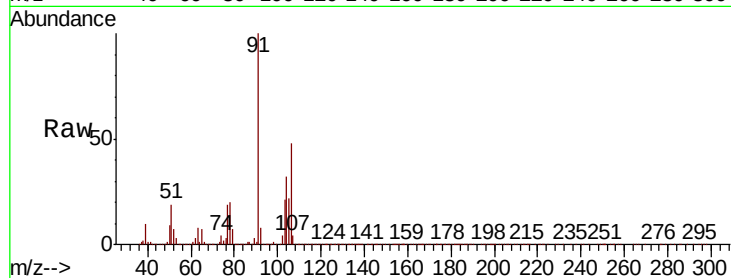
#69
o-Xylene
Concen: 46.589 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.4	104.2	312.6

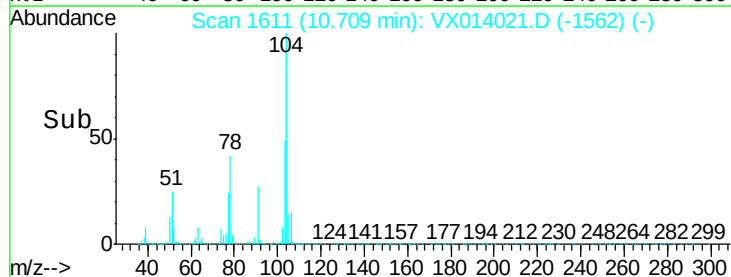
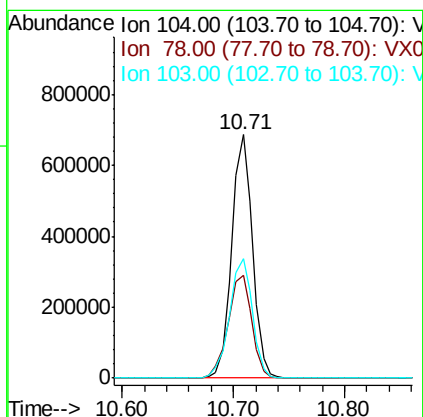
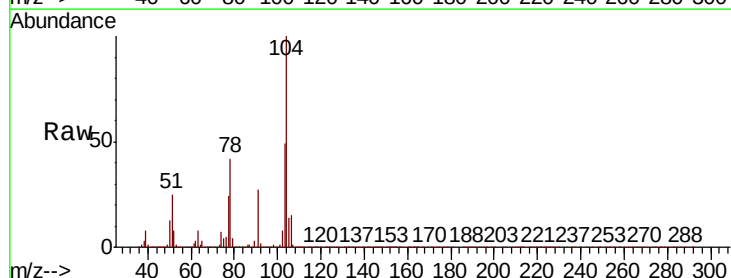
Manual Integrations
APPROVED

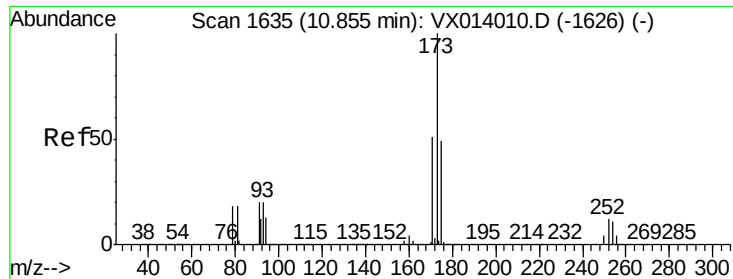
apatel
12/17/2019 2:48:56 PM



#70
Styrene
Concen: 47.266 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.5	42.9	64.3





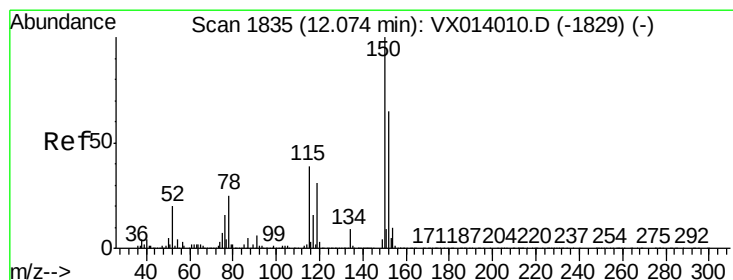
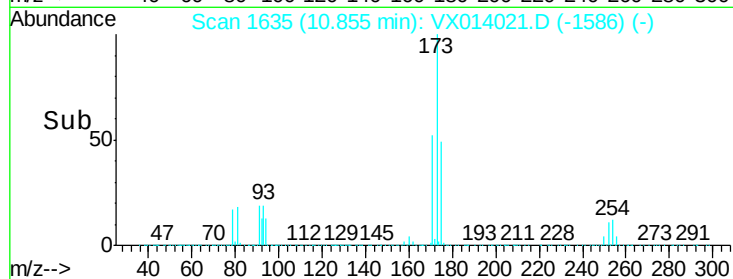
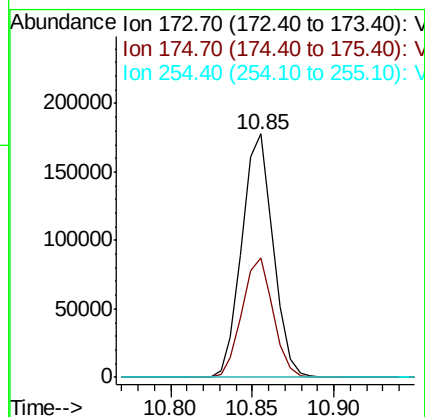
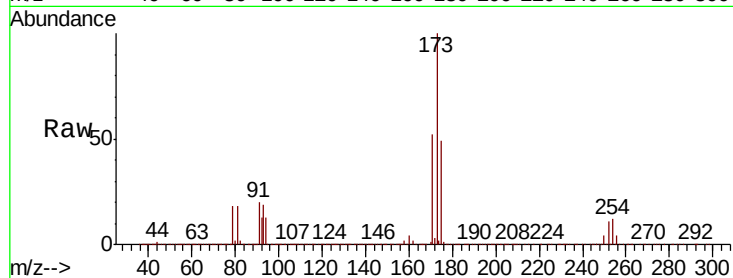
#71
Bromoform
Concen: 48.945 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.2	0.2	0.2

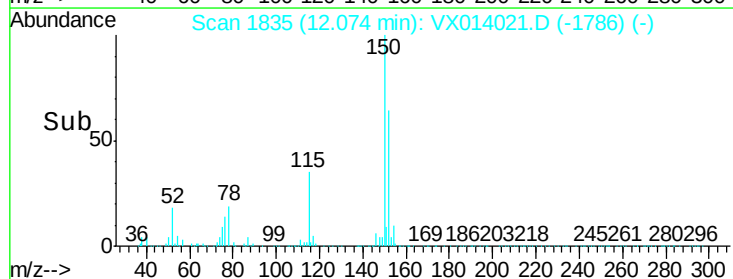
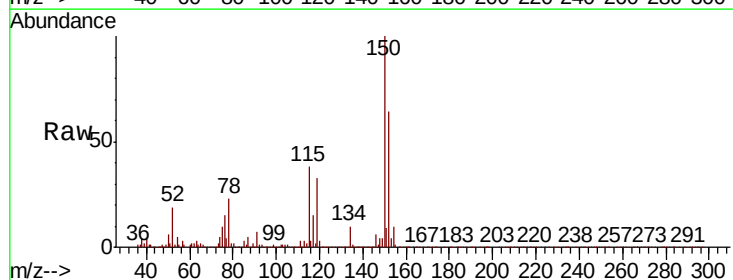
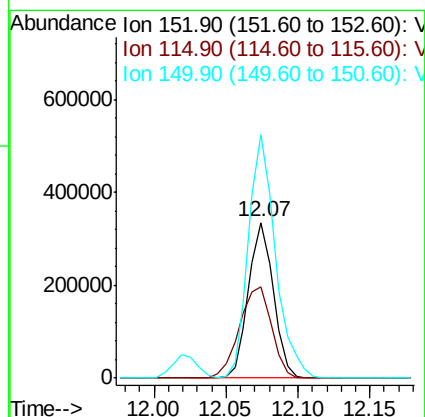
Manual Integrations
APPROVED

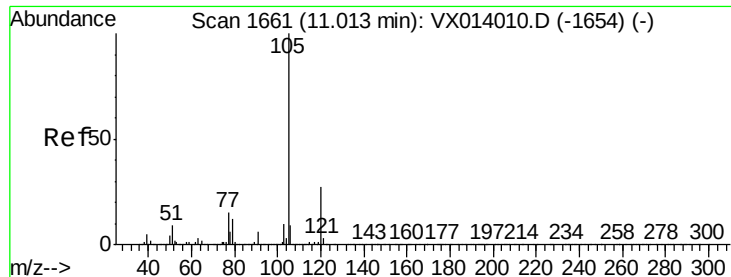
apatel
12/17/2019 2:48:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.5	38.3	114.9
150	170.3	0.0	345.4





#73

Isopropylbenzene

Concen: 47.118 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1327113

Ion Ratio Lower Upper

105 100

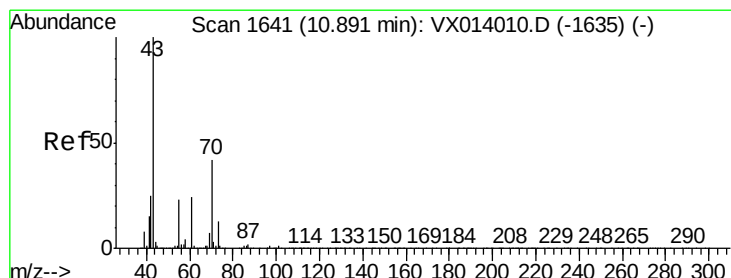
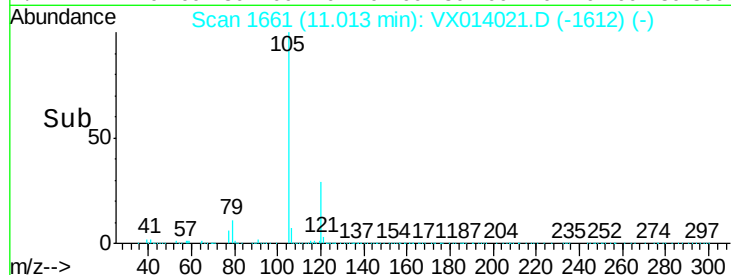
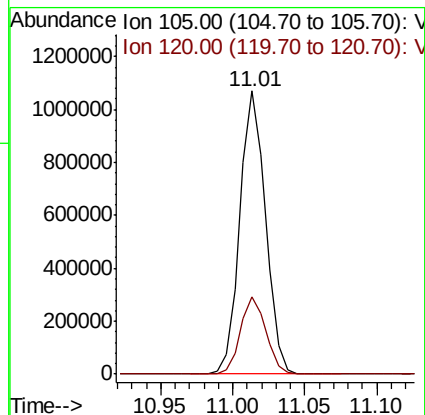
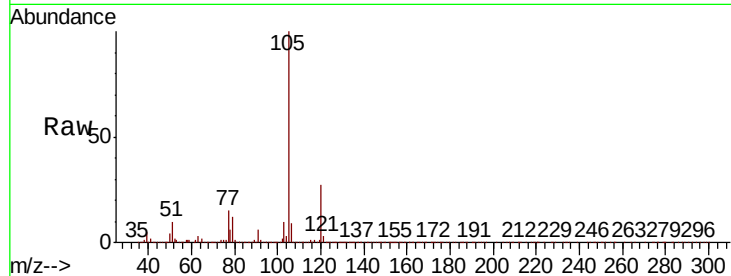
120 27.0 13.5 40.4

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



#74

N-ethyl acetate

Concen: 49.204 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion: 43 Resp: 649614

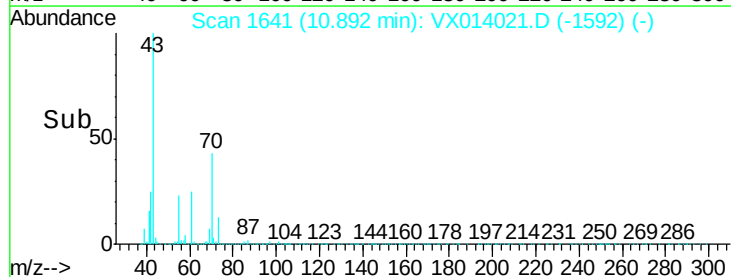
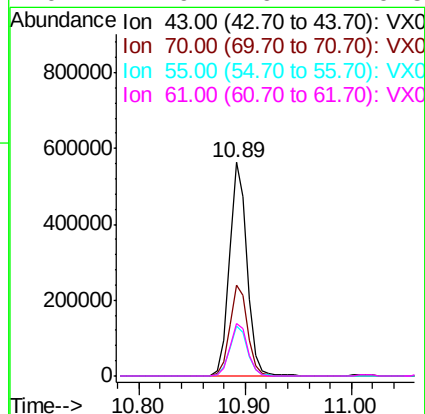
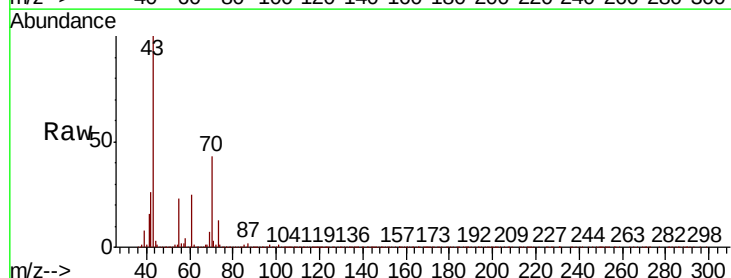
Ion Ratio Lower Upper

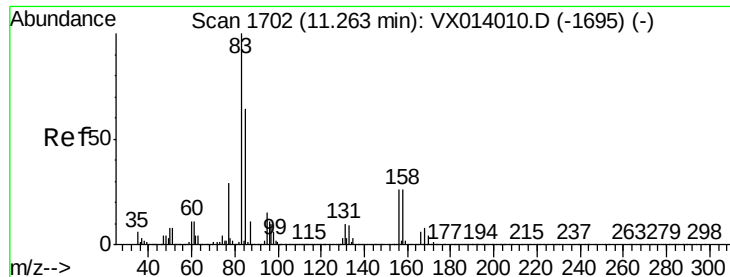
43 100

70 43.5 34.4 51.6

55 24.0 19.1 28.7

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.167 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 460572

Ion Ratio Lower Upper

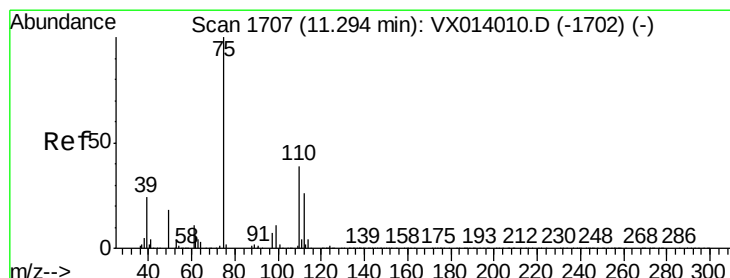
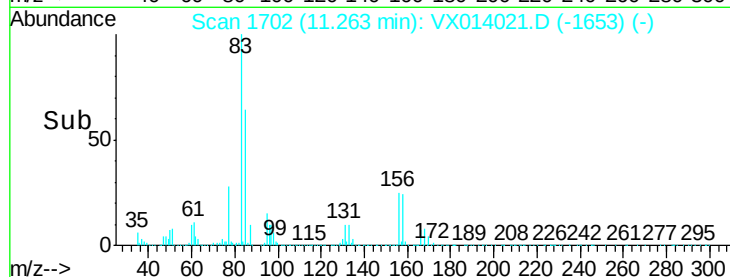
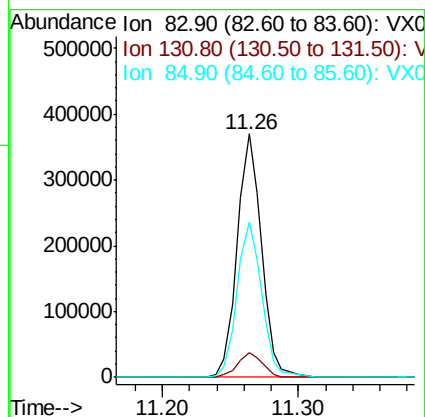
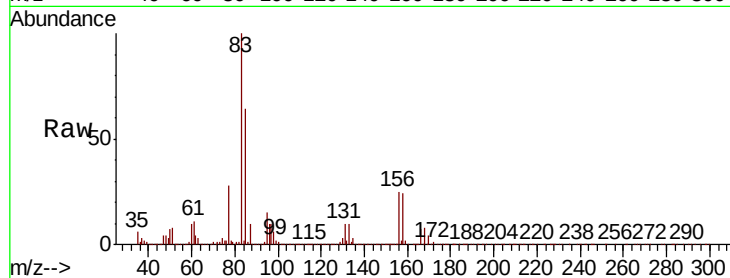
83 100

131 10.4 5.1 15.2

85 64.7 31.9 95.7

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#76

1,2,3-Trichloropropane

Concen: 50.273 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX014021.D

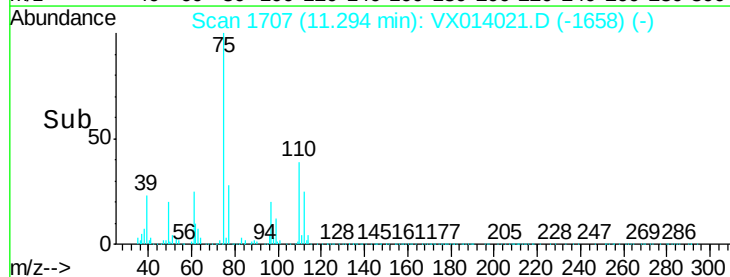
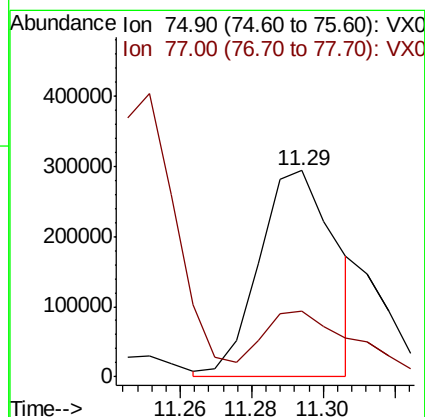
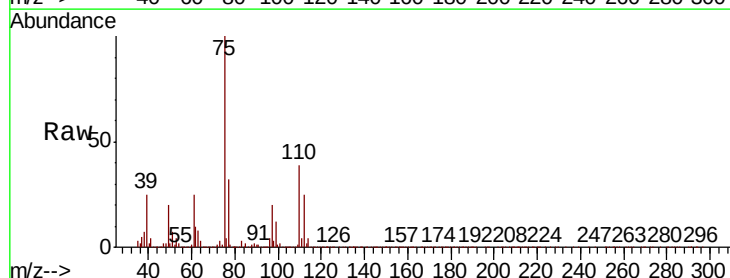
Acq: 13 Dec 2019 22:04

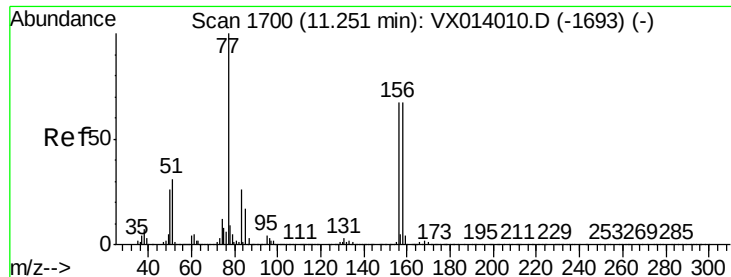
Tgt Ion: 75 Resp: 436608

Ion Ratio Lower Upper

75 100

77 38.2 19.3 57.8





#77

Bromobenzene

Concen: 45.363 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

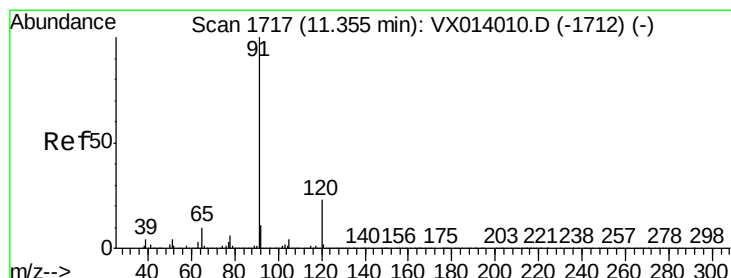
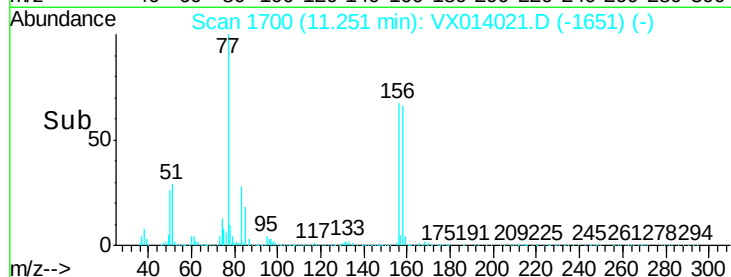
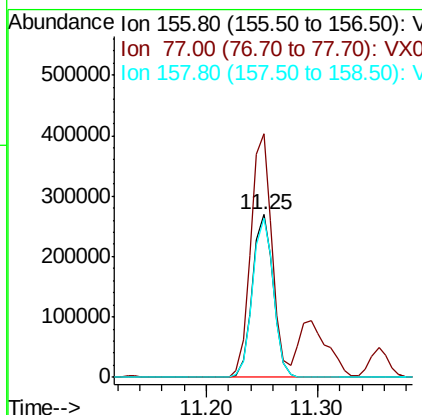
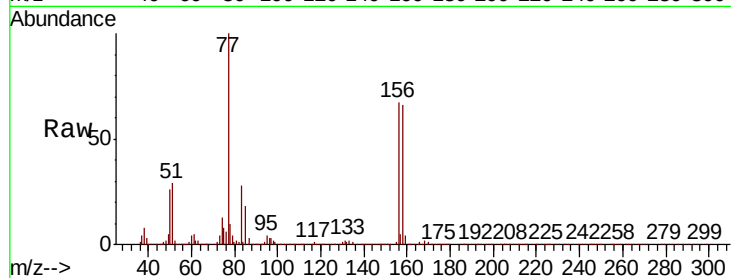
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	351534
Ion Ratio	Lower	Upper	
156	100		
77	151.6	76.5	229.5
158	97.9	49.3	147.9

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#78

n-propylbenzene

Concen: 47.143 ug/l

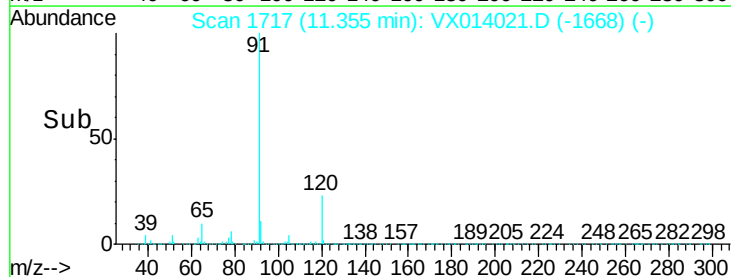
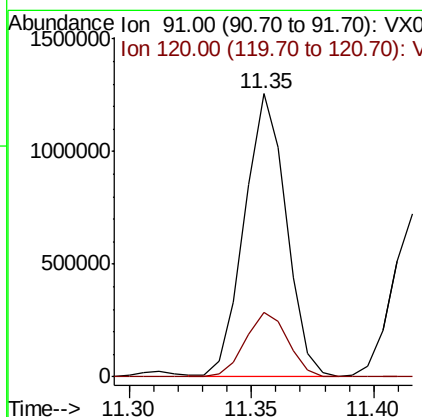
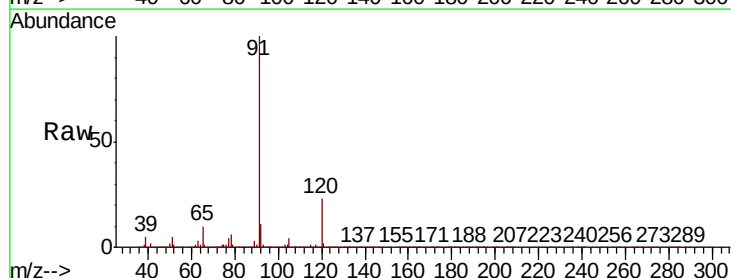
RT: 11.35 min Scan# 1717

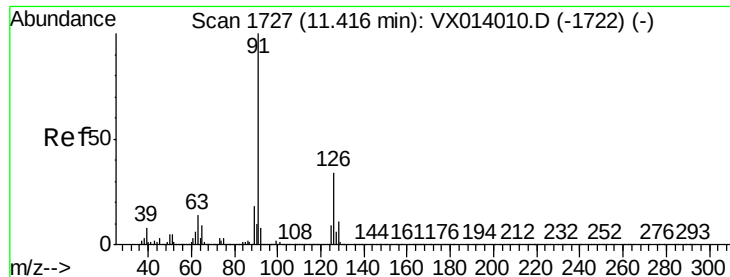
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion:	91	Resp:	1489371
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 46.499 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 892984

Ion Ratio Lower Upper

91 100

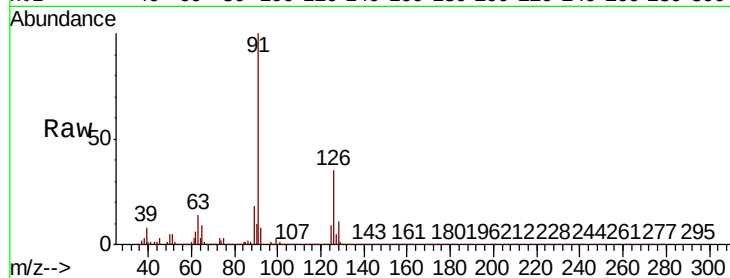
126 35.2 17.2 51.6

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



Abundance Ion 91.00 (90.70 to 91.70): VX014021.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX014021.D (-1678) (-)

1500000

1000000

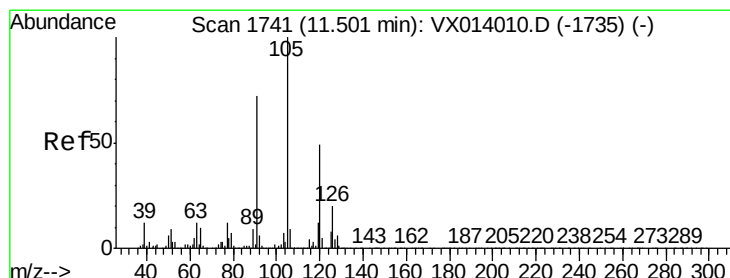
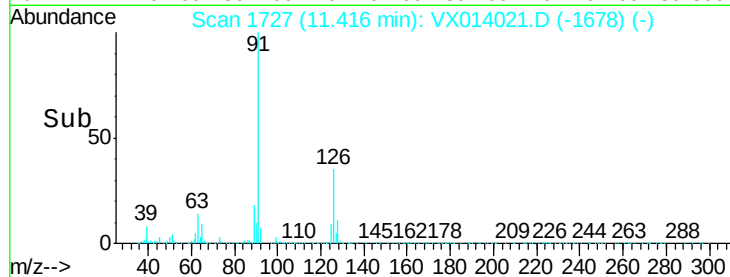
500000

0

11.42

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.140 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014021.D

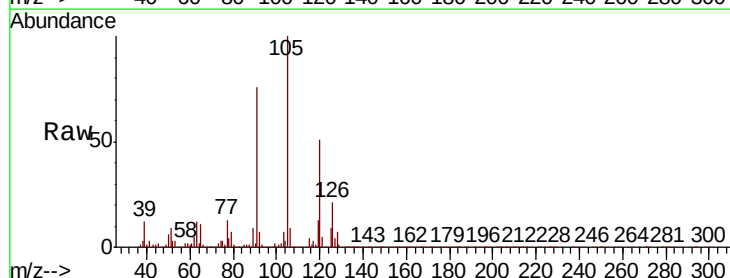
Acq: 13 Dec 2019 22:04

Tgt Ion: 105 Resp: 1117417

Ion Ratio Lower Upper

105 100

120 50.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX014021.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX014021.D (-1692) (-)

1000000

800000

600000

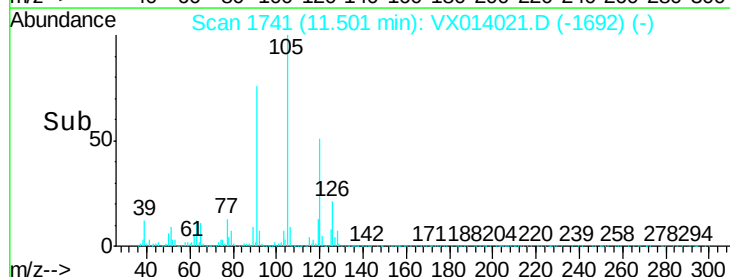
400000

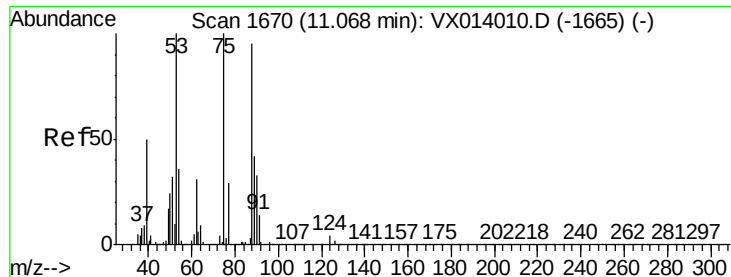
200000

0

11.50

Time-->





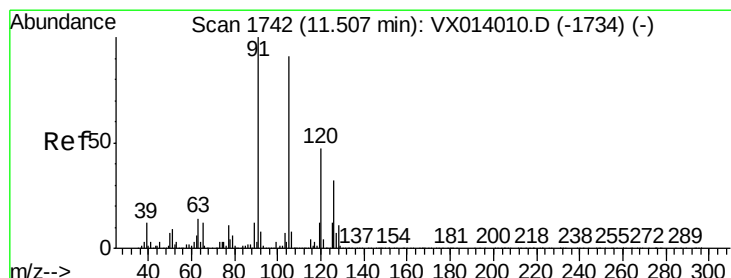
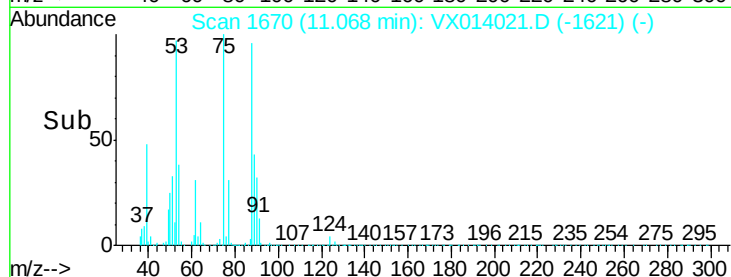
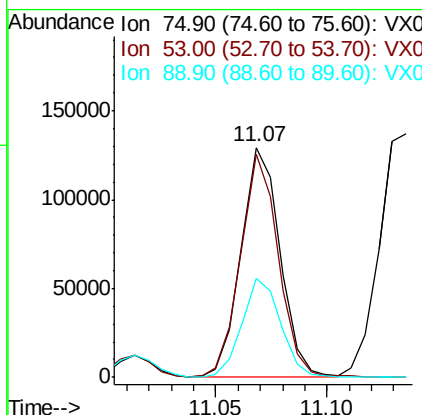
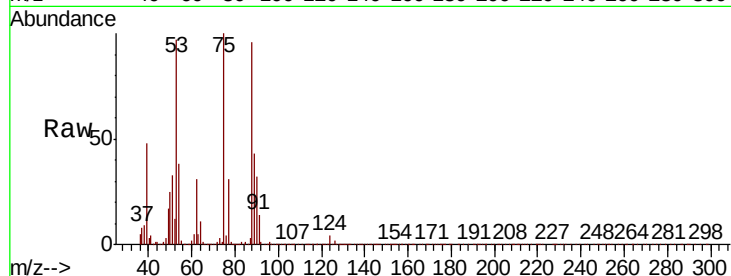
#81
trans-1,4-Dichloro-2-butene
Concen: 51.210 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	76.7	115.1
89	43.4	34.6	51.8

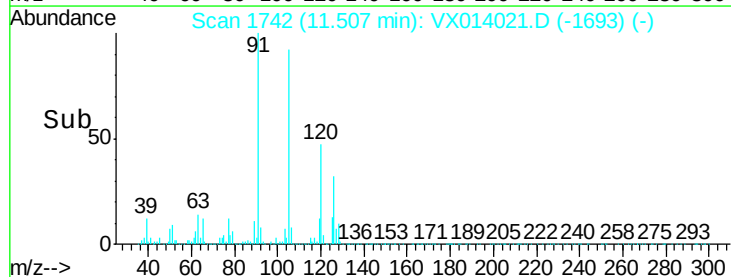
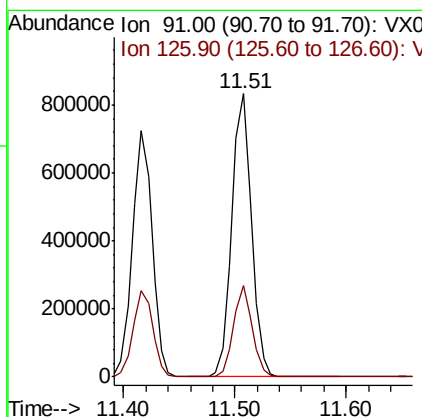
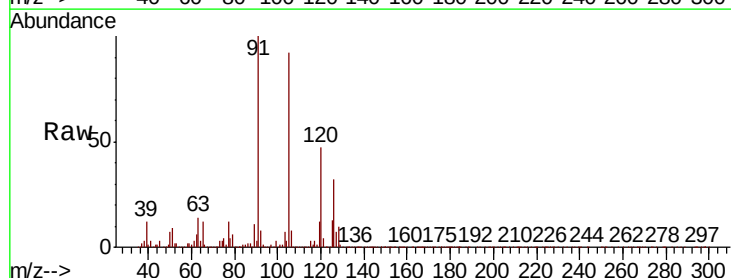
Manual Integrations
APPROVED

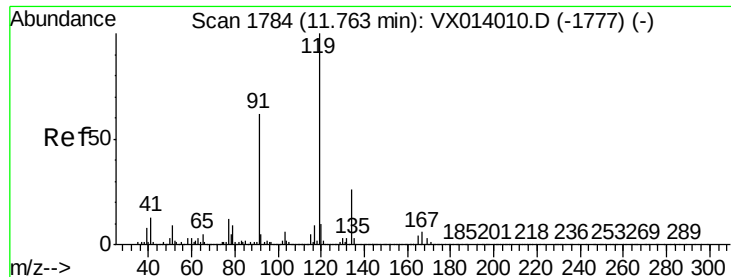
apatel
12/17/2019 2:48:56 PM



#82
4-Chlorotoluene
Concen: 45.798 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.6	46.8





#83

tert-Butylbenzene

Concen: 43.058 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

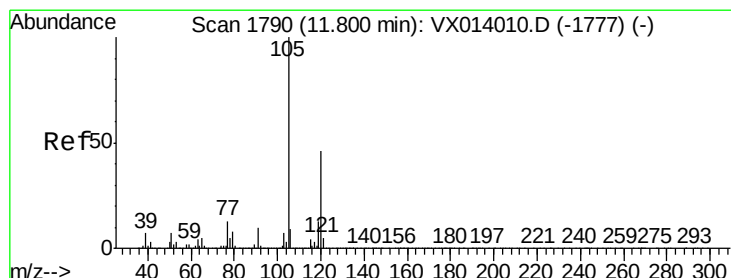
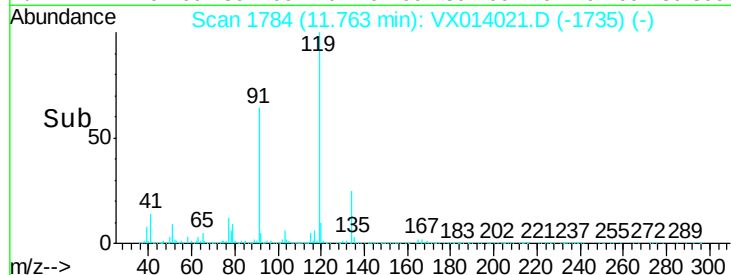
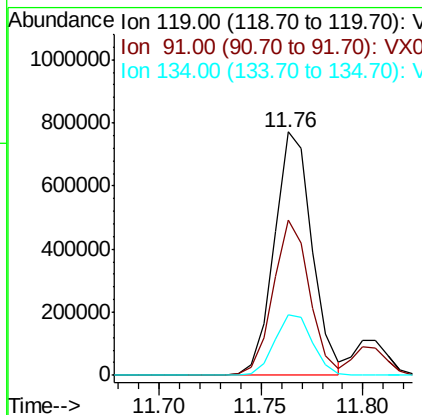
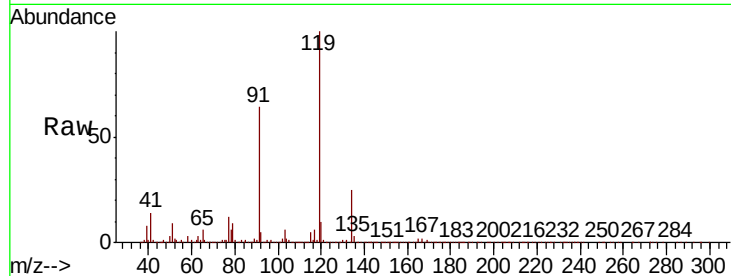
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		993279		
91	61.5	28.5	85.6		
134	25.2	12.2	36.6		

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#84

1,2,4-Trimethylbenzene

Concen: 47.009 ug/l

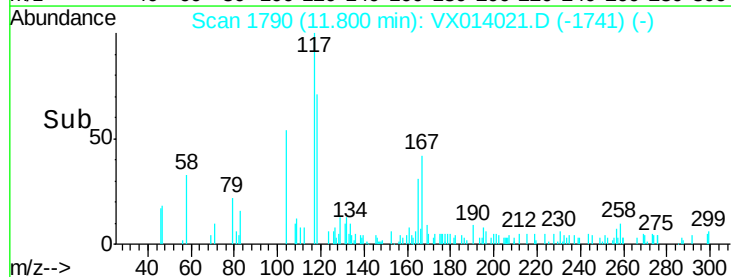
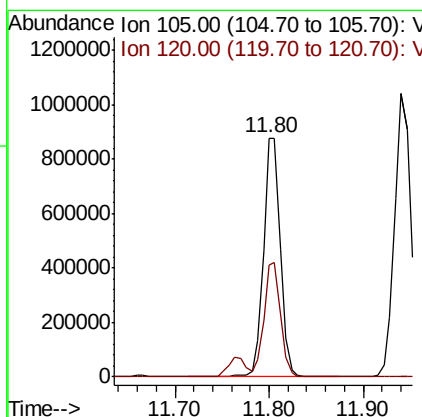
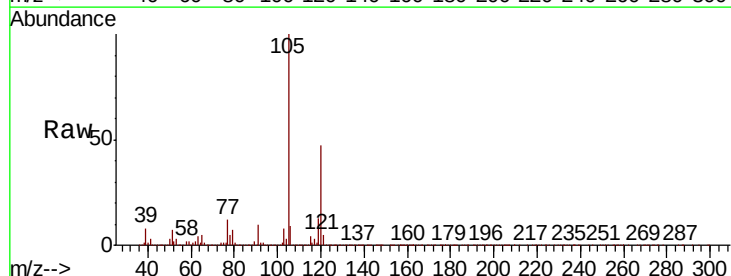
RT: 11.80 min Scan# 1790

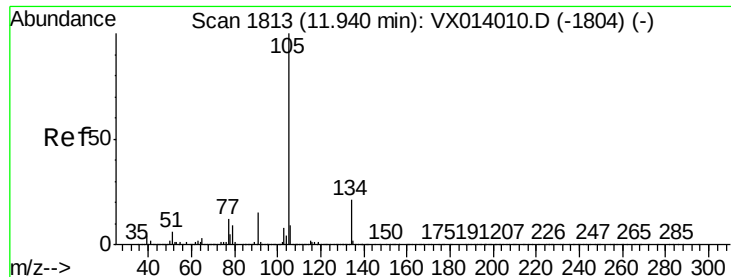
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1115931		
120	46.8	23.1	69.2		





#85

sec-Butylbenzene

Concen: 46.481 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1265798

Ion Ratio Lower Upper

105 100

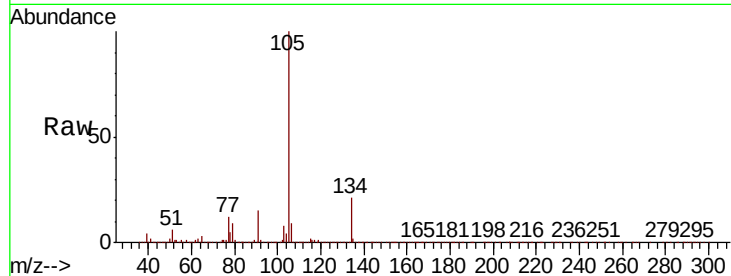
134 20.7 10.4 31.1

Manual Integrations

APPROVED

apatel

12/17/2019 2:48:56 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

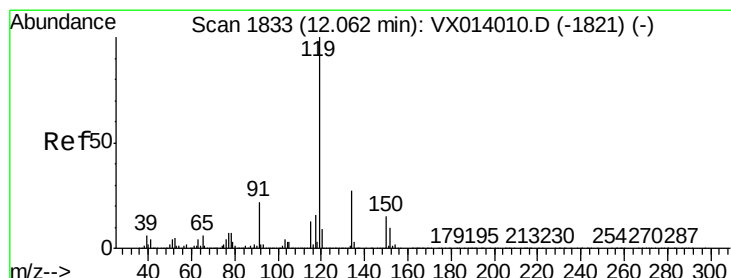
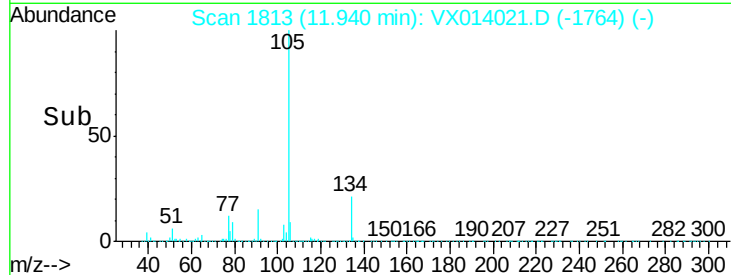
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 46.652 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

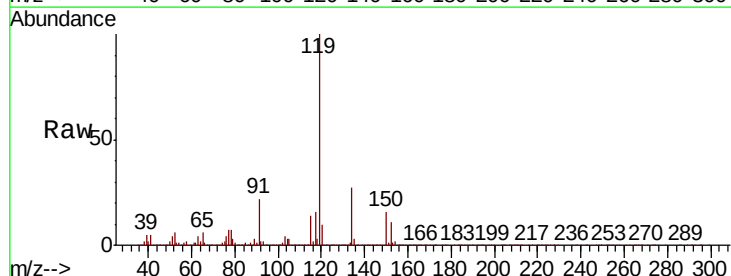
Tgt Ion:119 Resp: 1162129

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

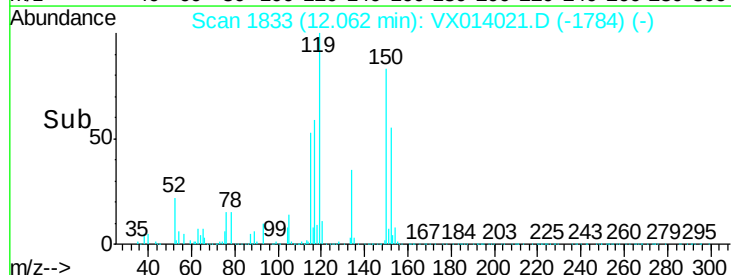
400000

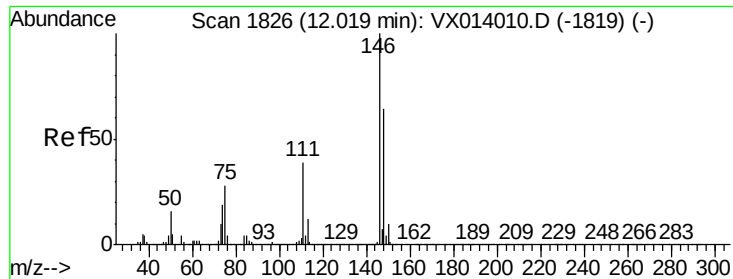
200000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 44.200 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

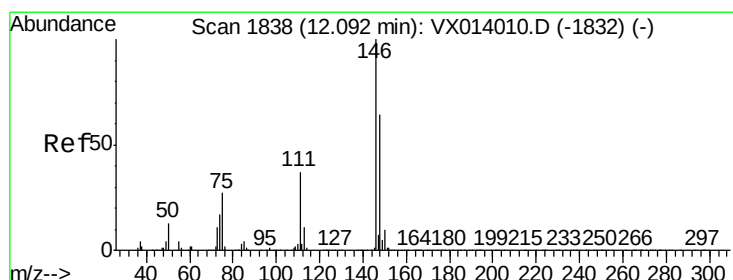
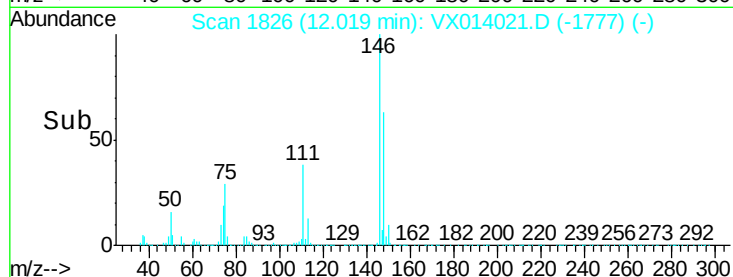
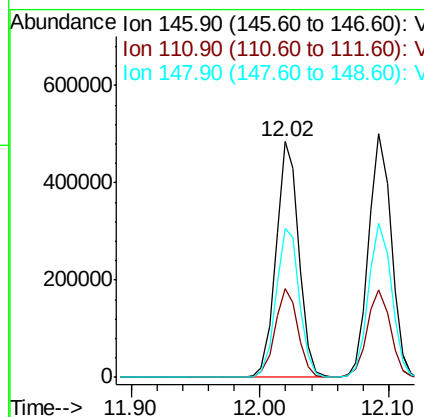
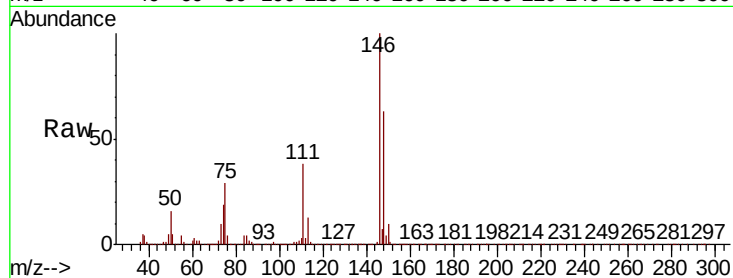
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.9	32.3	96.9

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#88

1,4-Dichlorobenzene

Concen: 43.551 ug/l

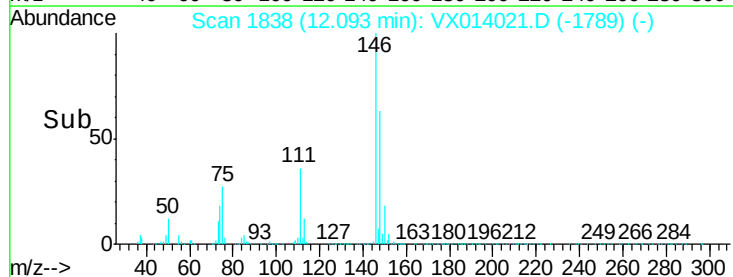
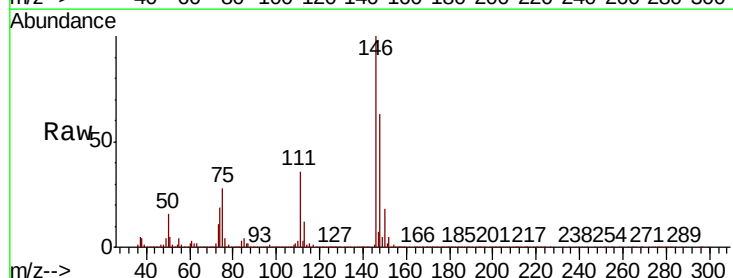
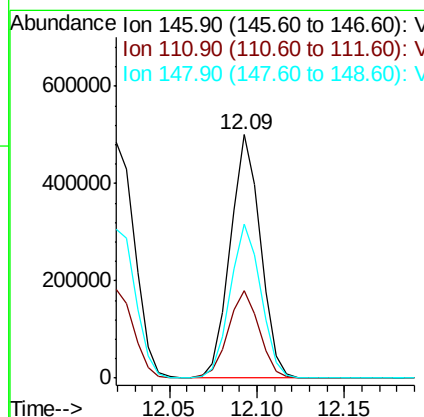
RT: 12.09 min Scan# 1838

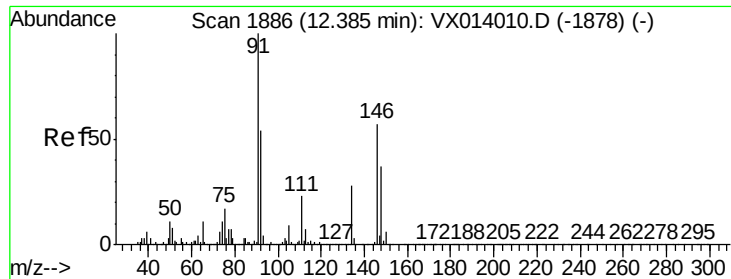
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.5	31.9	95.9





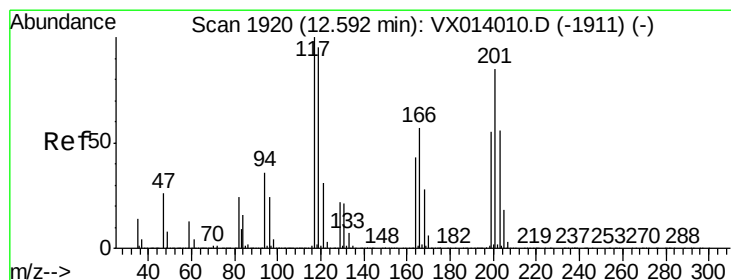
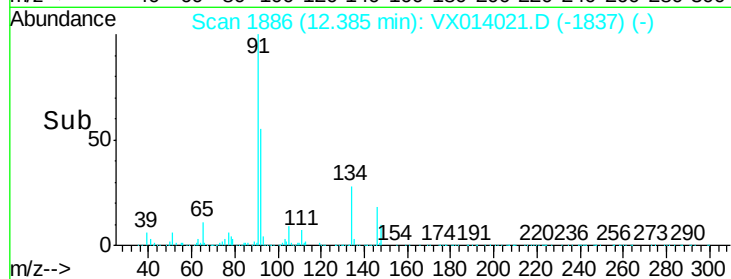
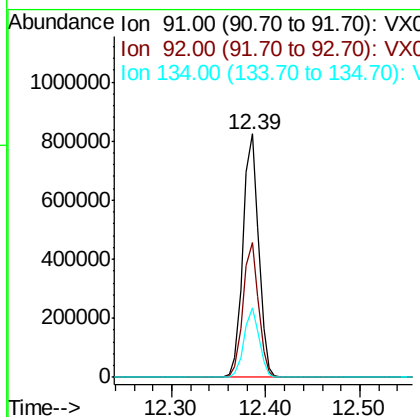
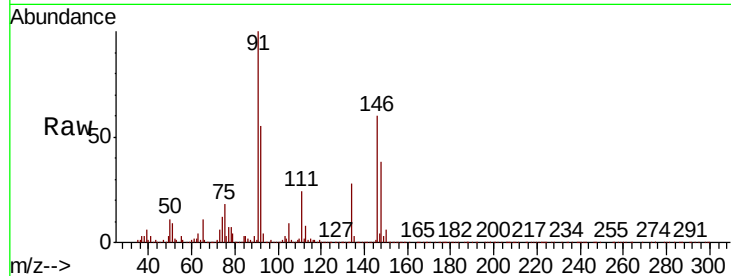
#89
n-Butylbenzene
Concen: 44.929 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.2	81.6	
134	27.5	13.4	40.1	

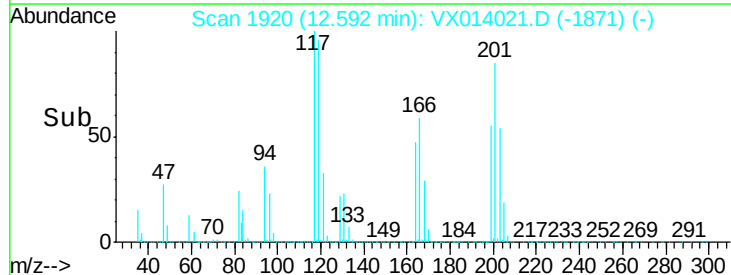
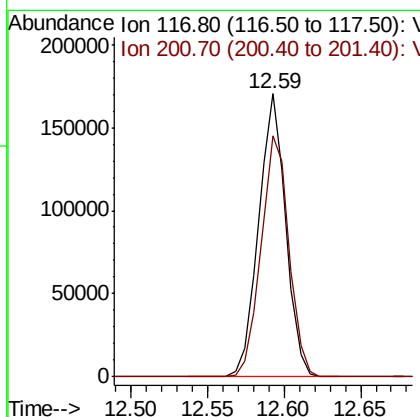
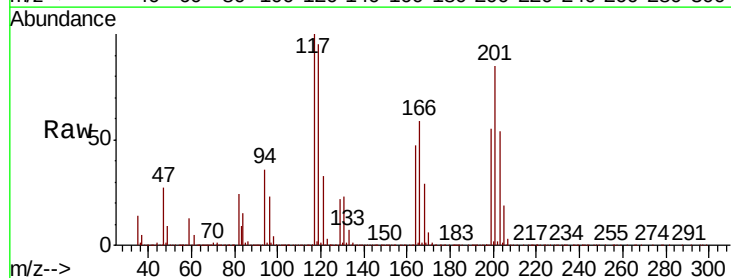
Manual Integrations
APPROVED

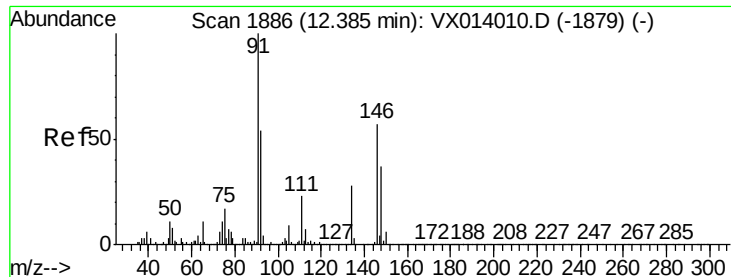
apatel
12/17/2019 2:48:56 PM



#90
Hexachloroethane
Concen: 46.813 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.5	43.1	129.3	





#91

1,2-Dichlorobenzene

Concen: 44.913 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Instrument :

MSVOA_X

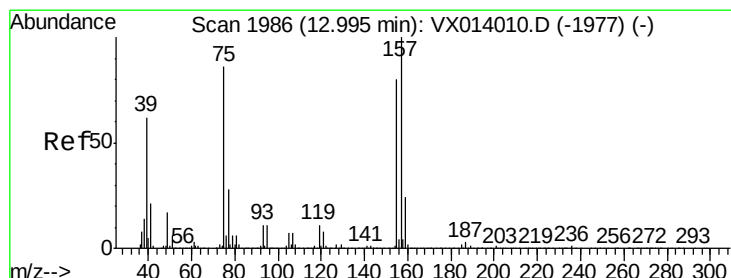
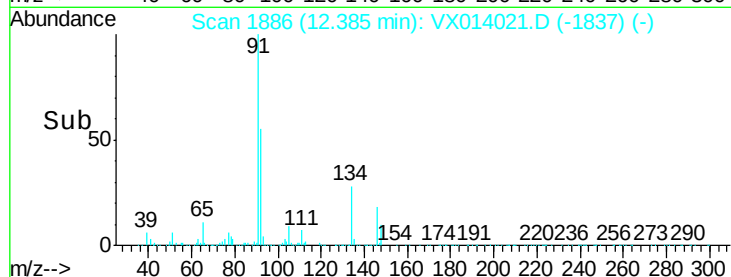
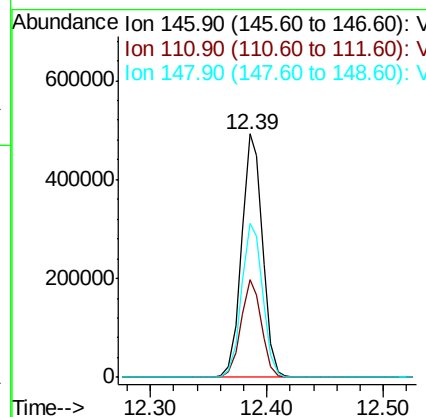
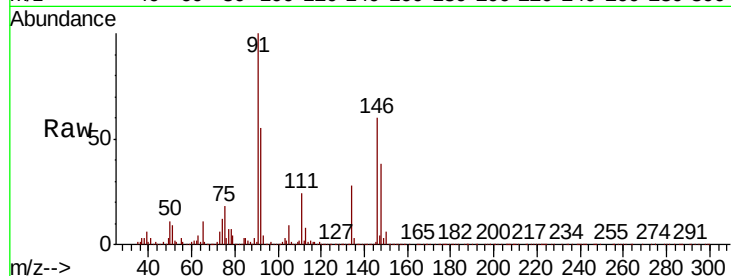
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	614056
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.7	59.1
148	64.0	32.1	96.5

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.668 ug/l

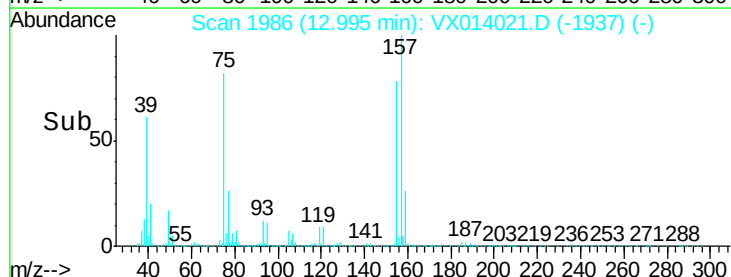
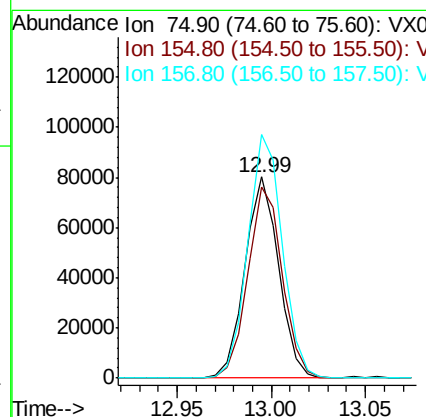
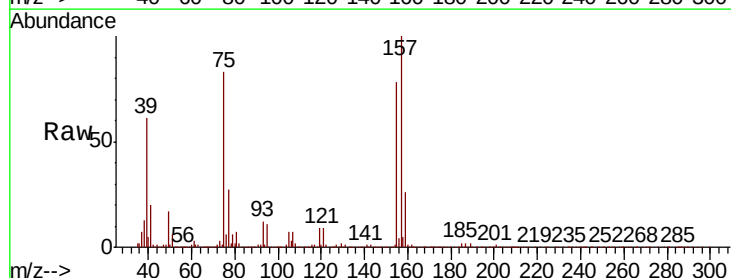
RT: 12.99 min Scan# 1986

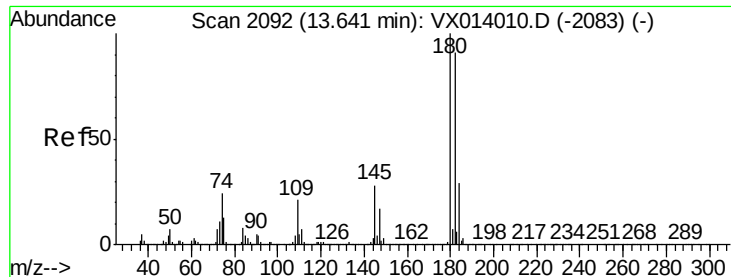
Delta R.T. 0.00 min

Lab File: VX014021.D

Acq: 13 Dec 2019 22:04

Tgt Ion:	75	Resp:	98684
Ion Ratio	Lower	Upper	
75	100		
155	98.0	46.9	140.6
157	125.0	60.8	182.4





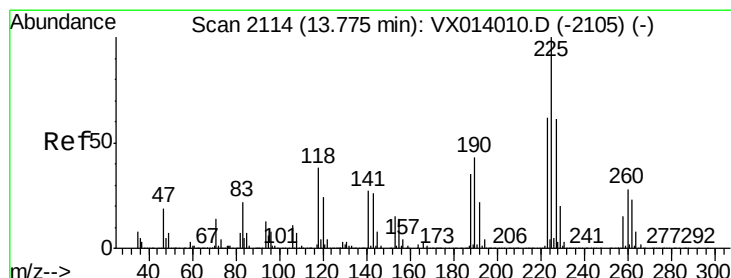
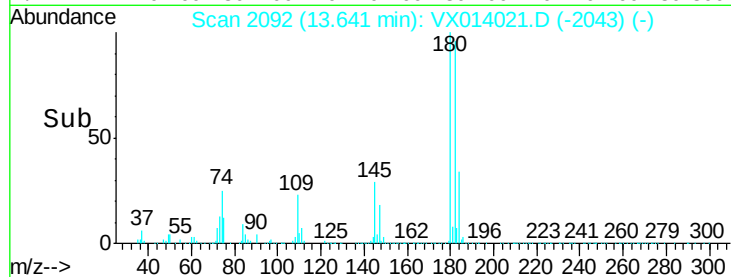
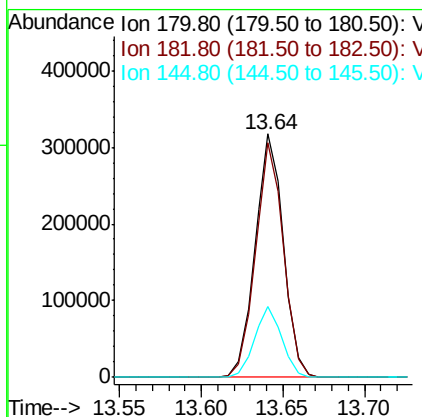
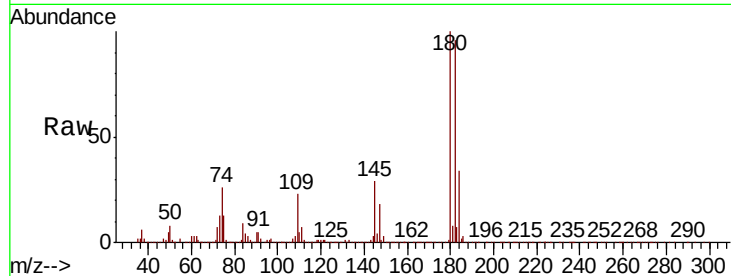
#93
 1,2,4-Trichlorobenzene
 Concen: 42.698 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	379423		
182	95.5	46.6	139.8	
145	28.5	14.2	42.6	

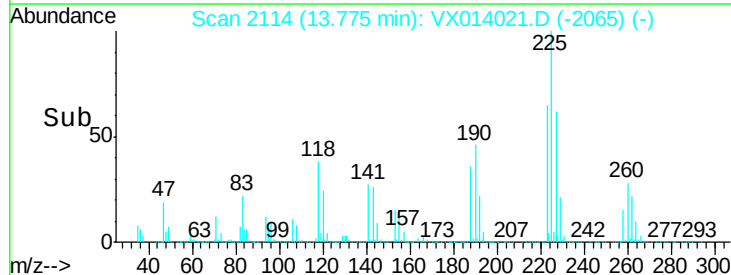
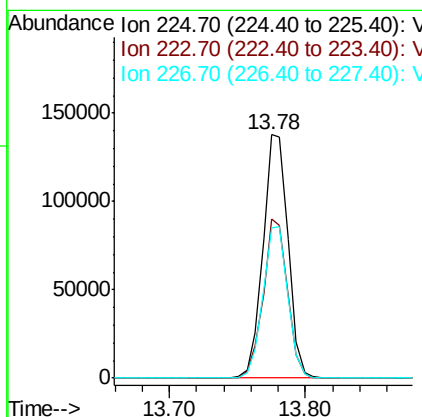
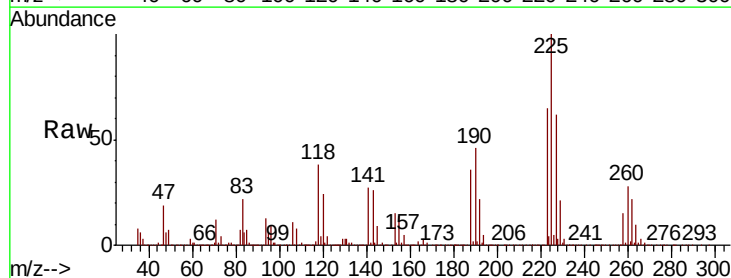
Manual Integrations
 APPROVED

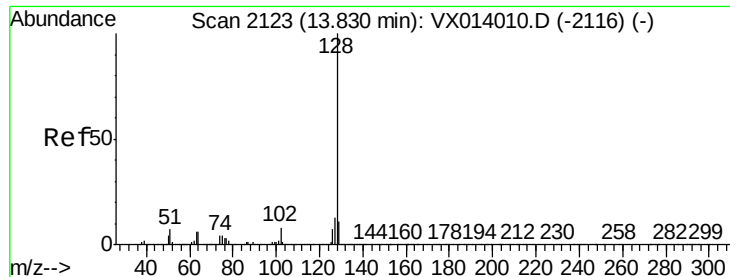
apatel
 12/17/2019 2:48:56 PM



#94
 Hexachlorobutadiene
 Concen: 41.805 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014021.D
 Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178539		
223	63.4	30.9	92.5	
227	62.2	30.9	92.7	





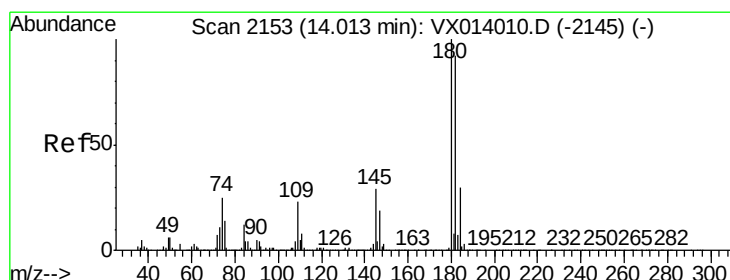
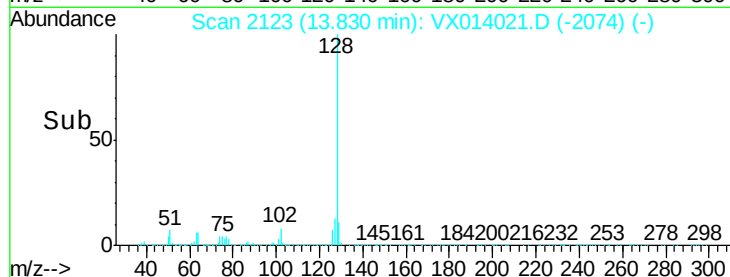
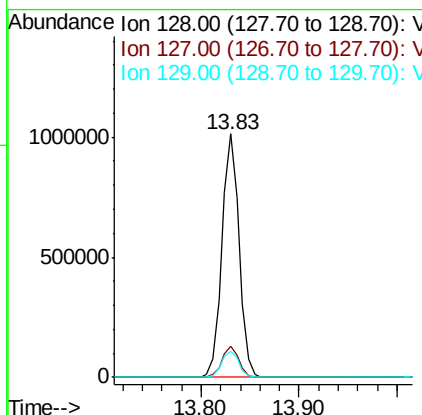
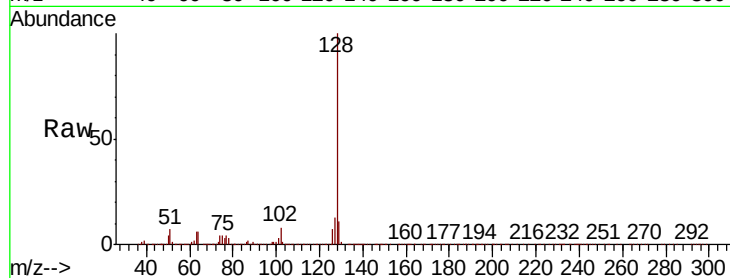
#95
Naphthalene
Concen: 46.816 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
12/17/2019 2:48:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.427 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014021.D
Acq: 13 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.3
145	29.0	14.8	44.4

