

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121719\
 Data File : VX014082.D
 Acq On : 18 Dec 2019 04:57
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

apatel
 12/18/2019 11:05:39 AM

Quant Time: Dec 18 08:33:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	91228	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	502655	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	451453	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	192593	29.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.27%
60) 4-Bromofluorobenzene	11.13	95	214956	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	8.71	98	618378	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	83534	18.127	ug/l 96
3) Chloromethane	1.32	50	125617	19.340	ug/l 95
4) Vinyl Chloride	1.40	62	128566	19.309	ug/l 97
5) Bromomethane	1.64	94	73019	15.002	ug/l 93
6) Chloroethane	1.72	64	84222	20.479	ug/l 97
7) Trichlorofluoromethane	1.92	101	157042	18.955	ug/l 98
8) Diethyl Ether	2.18	74	74641	19.600	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	91004	18.417	ug/l 100
10) 1,1-Dichloroethene	2.37	96	97722	19.129	ug/l 96
11) Methyl Iodide	2.50	142	123812	18.827	ug/l 97
12) Methyl Acetate	2.76	43	157119	19.867	ug/l 94
13) Acrolein	2.28	56	83660	87.218	ug/l 99
14) Acrylonitrile	3.13	53	309770	100.195	ug/l 100
15) Acetone	2.43	58	132585	145.984	ug/l 97
16) Carbon Disulfide	2.56	76	264211	19.092	ug/l 97
17) Allyl chloride	2.72	41	170048	18.524	ug/l 95
18) Methylene Chloride	2.85	84	116067	18.542	ug/l 94
19) trans-1,2-Dichloroethene	3.15	96	106272	18.997	ug/l 96
20) Diisopropyl ether	3.84	45	354513	18.821	ug/l 92
21) 1,1-Dichloroethane	3.69	63	193882	18.965	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	122733	18.926	ug/l 98
23) tert-Butyl Alcohol	3.03	59	112341m	92.641	ug/l
24) Methyl tert-Butyl Ether	3.18	73	324500	18.804	ug/l 98
25) Chloroform	5.20	83	187690	19.257	ug/l 100
26) Cyclohexane	5.58	56	169369	18.580	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	140213	19.311	ug/l 99
30) 2-Butanone	4.65	43	492558	115.094	ug/l 100
31) 2,2-Dichloropropane	4.57	77	107910	16.067	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	152488	18.988	ug/l 100
33) Carbon Tetrachloride	5.78	117	129134	18.916	ug/l 96
34) Benzene	6.14	78	449331	19.847	ug/l 98
35) Methacrylonitrile	5.03	41	92751	20.151	ug/l 94
36) 1,2-Dichloroethane	6.18	62	154038	19.587	ug/l 98
37) Trichloroethene	7.21	130	133542	21.678	ug/l 96
38) Methylcyclohexane	7.45	83	155965	18.008	ug/l 100
39) 1,2-Dichloropropane	7.51	63	114270	19.433	ug/l 96
40) Dibromomethane	7.65	93	75157	20.008	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014082.D
 Acq On : 18 Dec 2019 04:57
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

apatel
 12/18/2019 11:05:39 AM

Quant Time: Dec 18 08:33:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.89	83	139715	19.209	ug/l	99
42) Vinyl Acetate	3.81	43	595267	39.397	ug/l #	94
43) Ethyl Acetate	4.82	43	165743	20.183	ug/l #	80
44) Isopropyl Acetate	6.43	43	263345	19.147	ug/l	99
45) 1,4-Dioxane	7.73	88	46427	360.464	ug/l	97
46) Methyl methacrylate	7.76	41	126845	18.987	ug/l	97
47) n-amyl Acetate	10.89	43	221078	18.078	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	142558	17.958	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	163806	18.348	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	112240	19.361	ug/l	98
51) Ethyl methacrylate	9.17	69	173605	18.827	ug/l	97
52) 1,3-Dichloropropane	9.37	76	194345	19.732	ug/l	100
53) Dibromochloromethane	9.57	129	107177	18.489	ug/l	98
54) 1,2-Dibromoethane	9.67	107	118228	19.808	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	396447	97.530	ug/l	100
56) Bromoform	10.85	173	81323	17.990	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	839195	99.350	ug/l	99
59) 2-Hexanone	9.48	43	676543	105.540	ug/l	99
61) Tetrachloroethene	9.33	164	176251	29.511	ug/l	93
62) Toluene	8.78	91	474562	19.765	ug/l	99
64) Chlorobenzene	10.14	112	293787	19.530	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	105381	18.919	ug/l	99
66) Ethyl Benzene	10.25	91	511021	19.448	ug/l	100
67) m/p-Xylenes	10.35	106	389848	38.811	ug/l	98
68) o-Xylene	10.70	106	188730	18.966	ug/l	98
69) Styrene	10.71	104	320813	18.958	ug/l	99
70) Isopropylbenzene	11.01	105	496301	19.300	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	139797	15.330	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	160491m	19.772	ug/l	
73) Bromobenzene	11.25	156	129327	18.840	ug/l	98
74) n-propylbenzene	11.35	91	562735	19.294	ug/l	98
75) 2-Chlorotoluene	11.42	91	336426	19.090	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	410431	18.815	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	45465	16.961	ug/l	97
78) 4-Chlorotoluene	11.51	91	381247	18.932	ug/l	97
79) tert-butylbenzene	11.76	119	343578	16.341	ug/l	93
80) 1,2,4-Trimethylbenzene	11.80	105	408595	18.733	ug/l	98
81) sec-Butylbenzene	11.94	105	471644	18.859	ug/l	100
82) p-Isopropyltoluene	12.06	119	425576	18.857	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	223859	18.710	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	221371	18.581	ug/l	98
85) n-Butylbenzene	12.38	91	353035	18.605	ug/l	99
86) Hexachloroethane	12.59	117	69655	17.013	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	227379	18.710	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	33676	18.528	ug/l	96
89) 1,2,4-Trichlorobenzene	13.64	180	143451	18.469	ug/l	98
90) Hexachlorobutadiene	13.77	225	62424	16.908	ug/l	98
91) Naphthalene	13.83	128	448228	19.200	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	149204	18.939	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
Data File : VX014082.D
Acq On : 18 Dec 2019 04:57
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

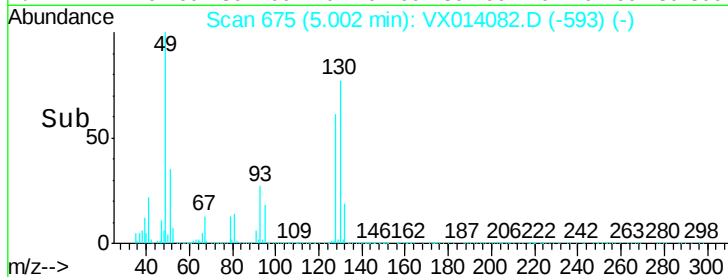
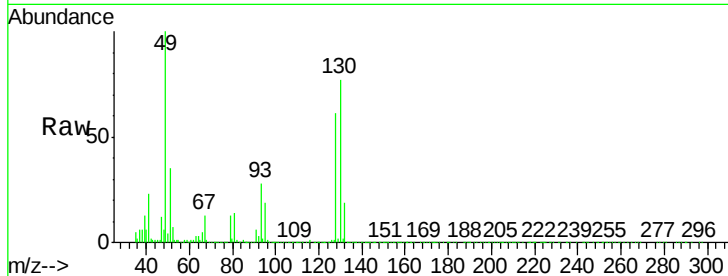
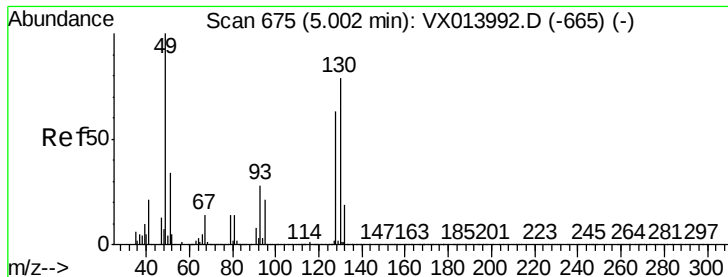
Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM

Quant Time: Dec 18 08:33:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014082.D

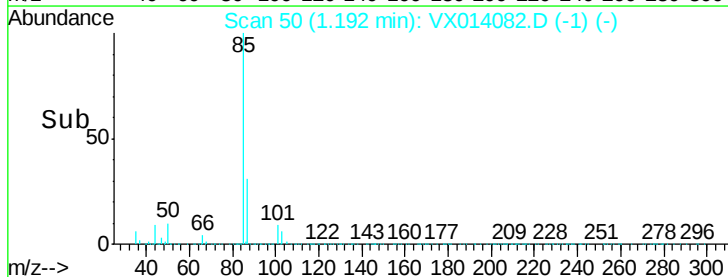
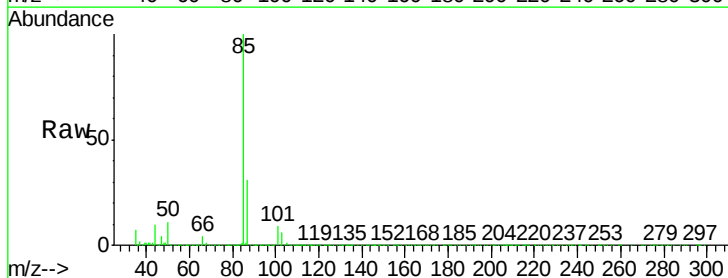
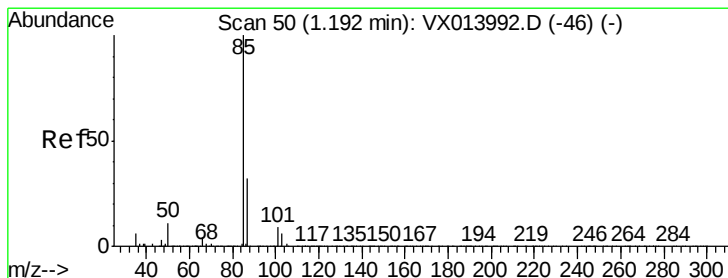
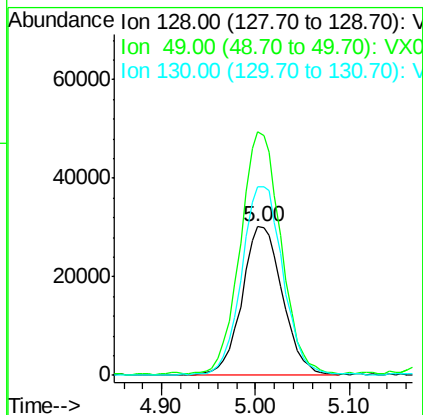
Acq: 18 Dec 2019 04:57

Tot Ion:	128	Resp:	91228
Ion	Ratio	Lower	Upper
128	100		
49	162.7	0.0	405.0
130	128.8	0.0	321.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#2

Dichlorodifluoromethane

Concen: 18.127 ug/l

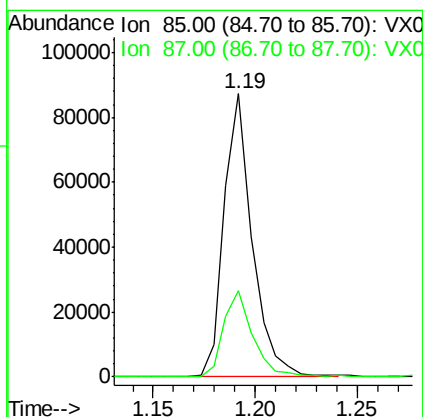
RT: 1.19 min Scan# 50

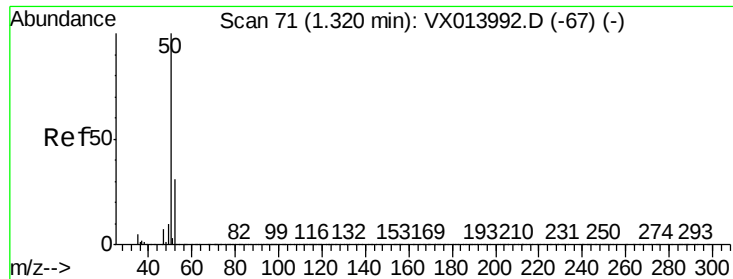
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	85	Resp:	83534
Ion	Ratio	Lower	Upper
85	100		
87	30.3	16.3	48.9





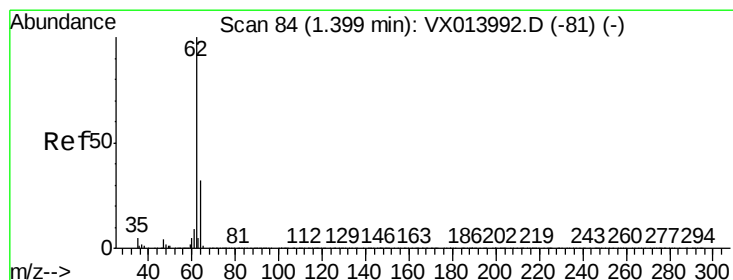
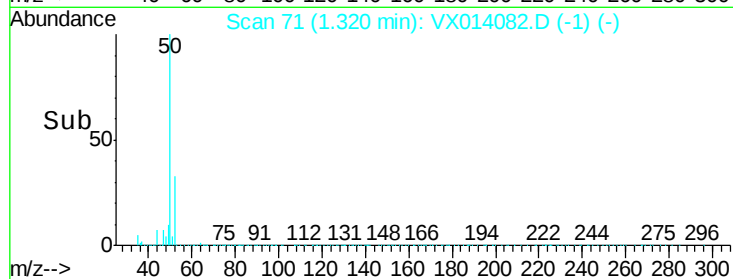
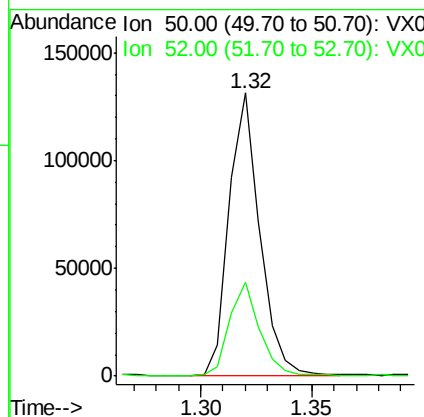
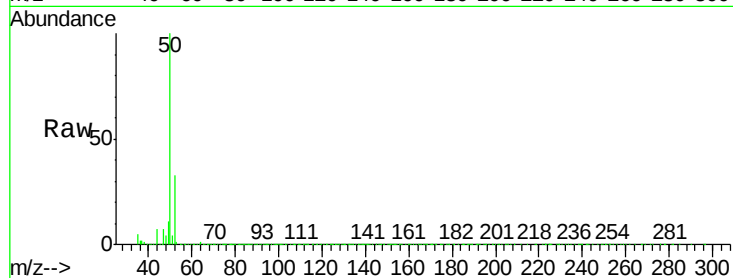
#3
Chloromethane
Concen: 19.340 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.0	24.3	36.5

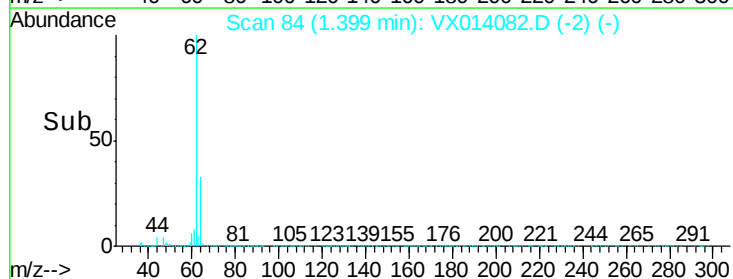
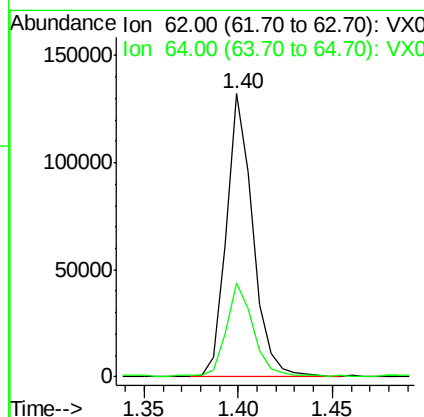
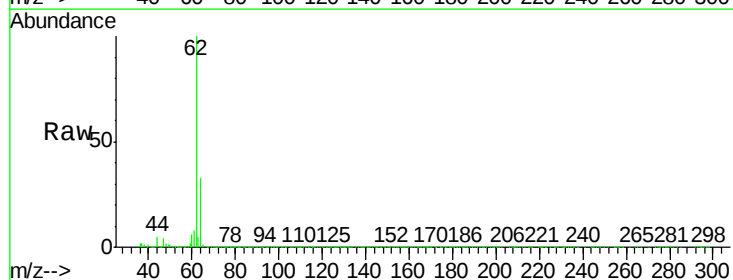
Manual Integrations
APPROVED

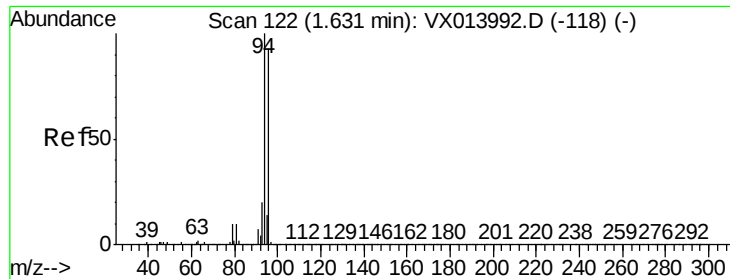
apatel
12/18/2019 11:05:39 AM



#4
Vinyl Chloride
Concen: 19.309 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.2	37.8





#5

Bromomethane

Concen: 15.002 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 73019

Ion Ratio Lower Upper

94 100

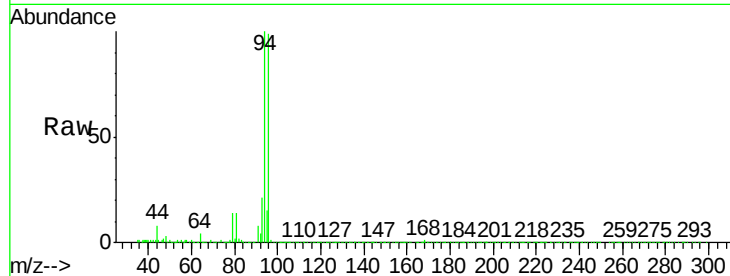
96 99.6 74.4 111.6

Manual Integrations

APPROVED

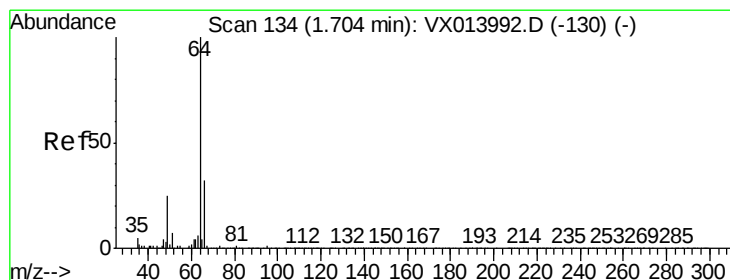
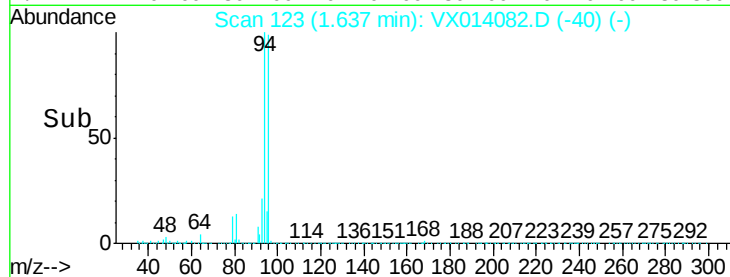
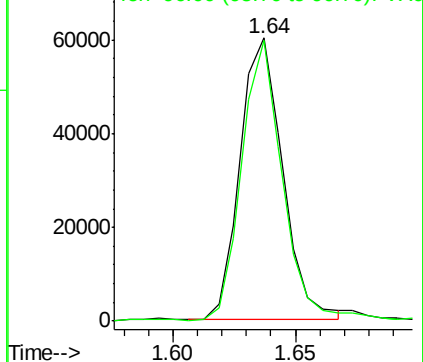
apatel

12/18/2019 11:05:39 AM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.479 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014082.D

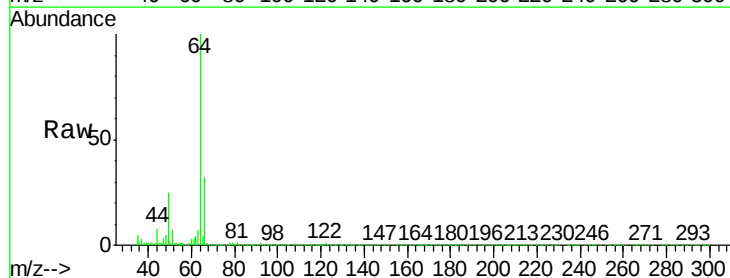
Acq: 18 Dec 2019 04:57

Tgt Ion: 64 Resp: 84222

Ion Ratio Lower Upper

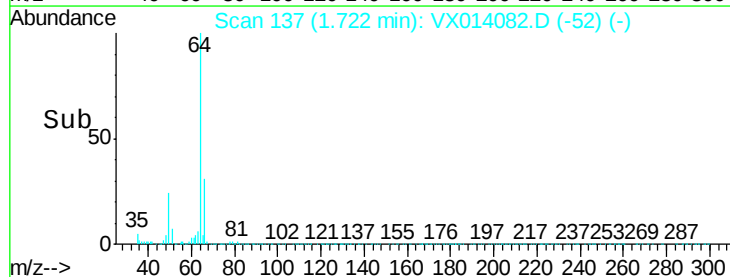
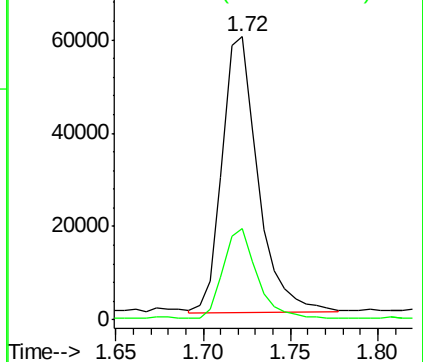
64 100

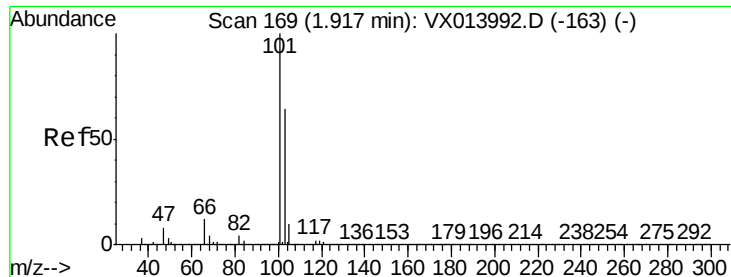
66 32.9 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

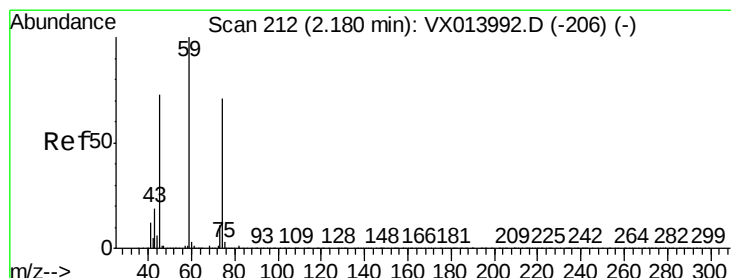
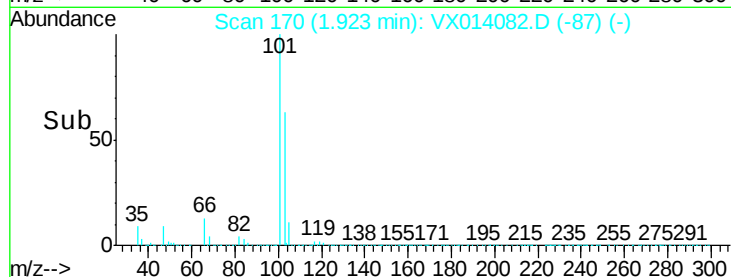
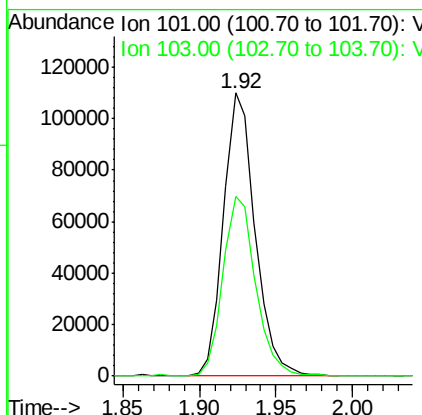
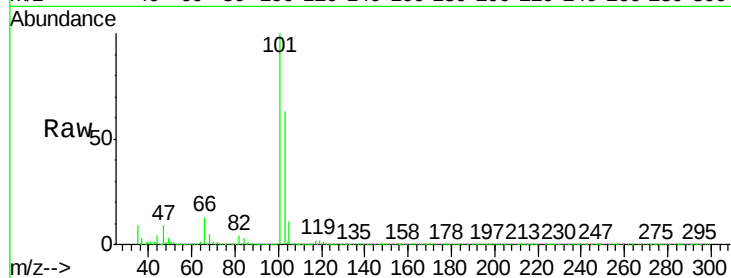
Trichlorofluoromethane
Concen: 18.955 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.6	77.4

Manual Integrations
APPROVED

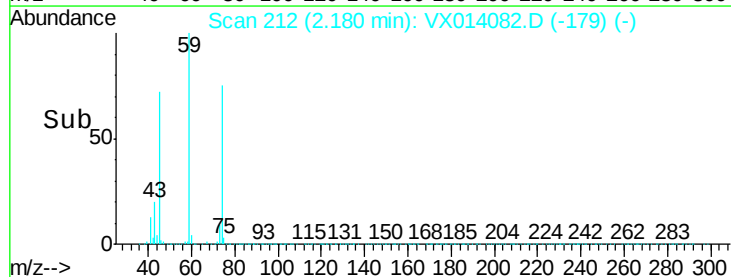
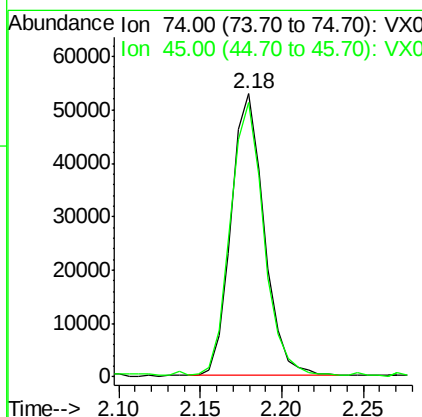
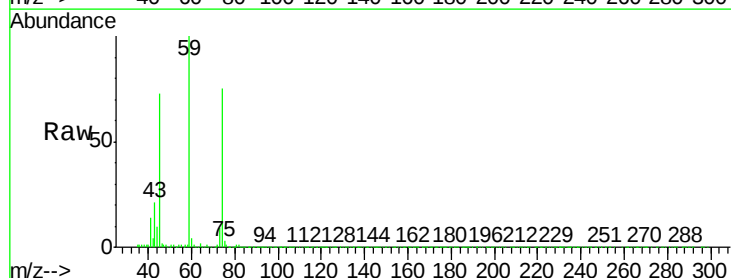
apatel
12/18/2019 11:05:39 AM

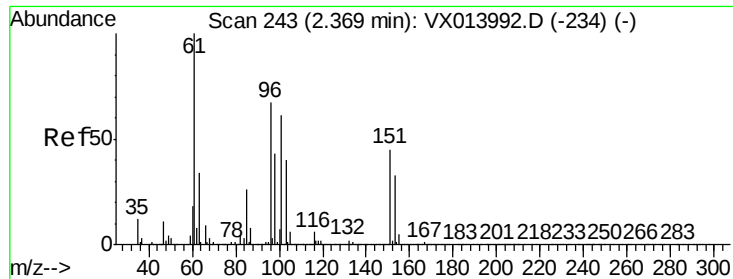


#8

Diethyl Ether
Concen: 19.600 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.417 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

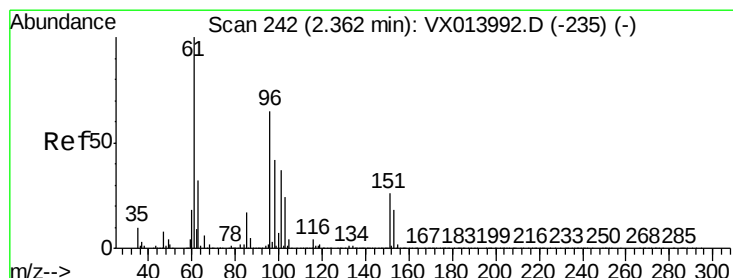
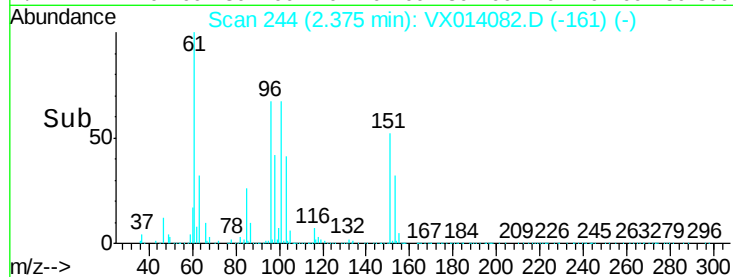
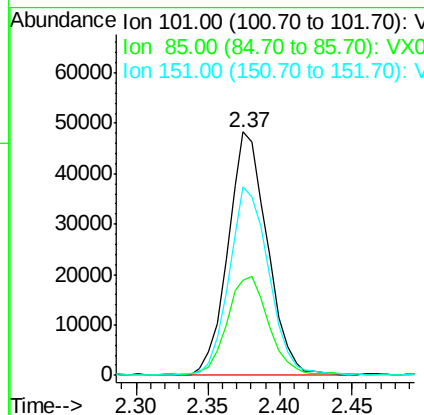
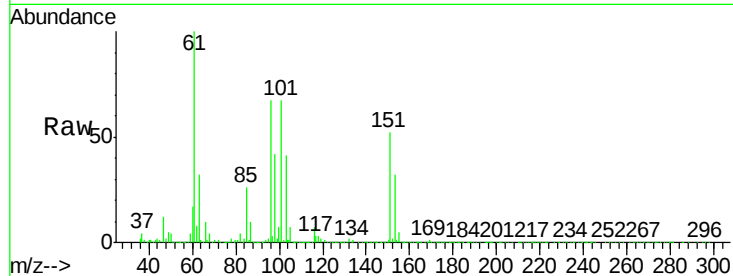
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	91004
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	85.6
151	79.4	0.0	159.4

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#10

1,1-Dichloroethene

Concen: 19.129 ug/l

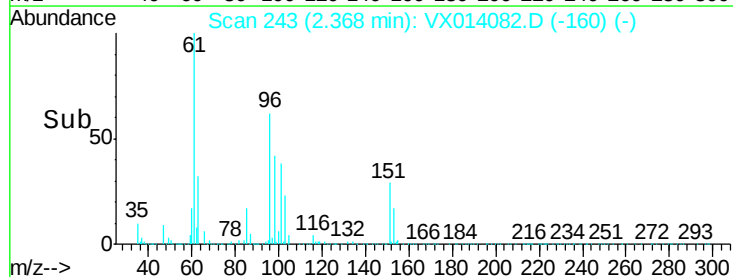
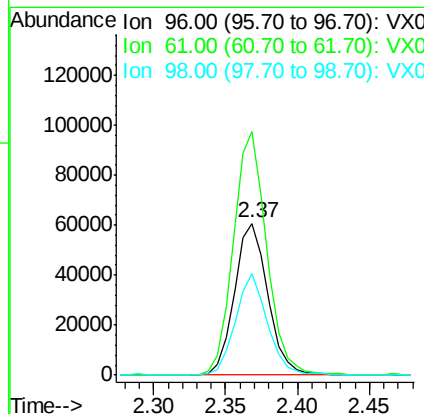
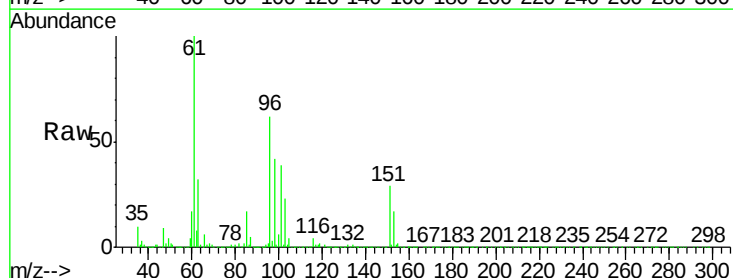
RT: 2.37 min Scan# 243

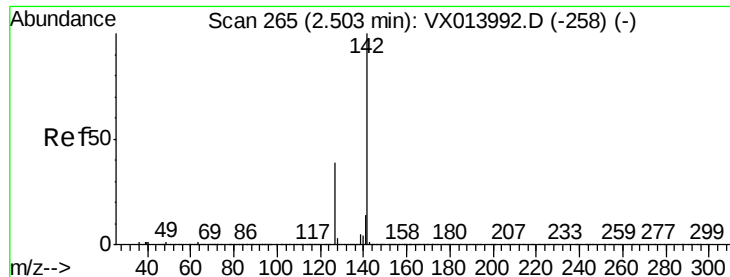
Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	96	Resp:	97722
Ion Ratio	Lower	Upper	
96	100		
61	159.8	123.0	184.6
98	66.4	51.4	77.0





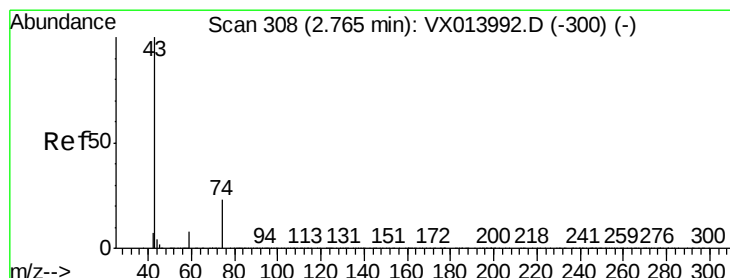
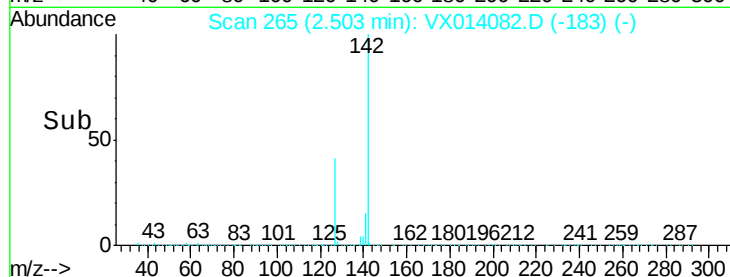
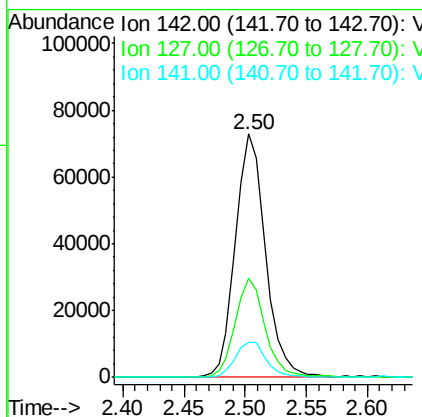
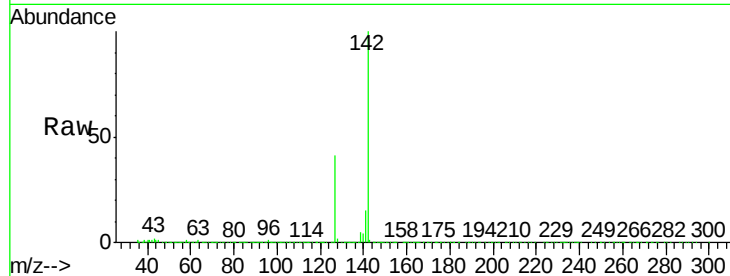
#11
Methyl Iodide
Concen: 18.827 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	19.5	58.5
141	14.4	7.0	20.9

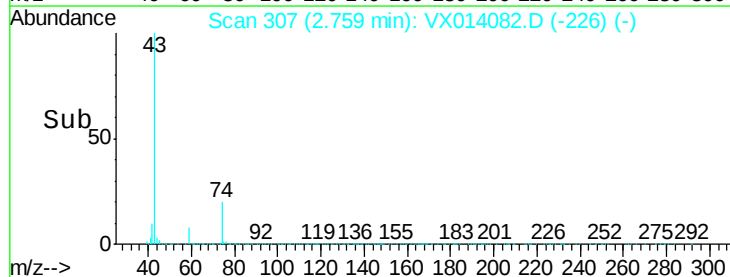
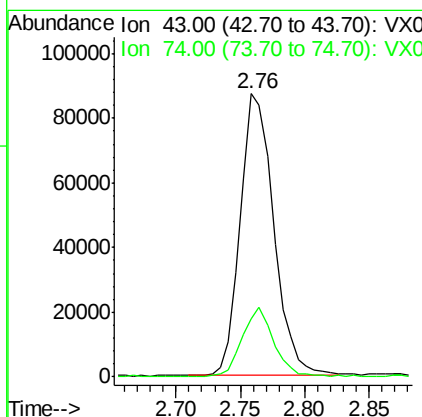
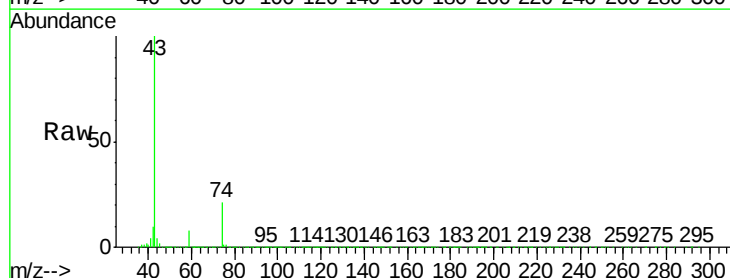
Manual Integrations
APPROVED

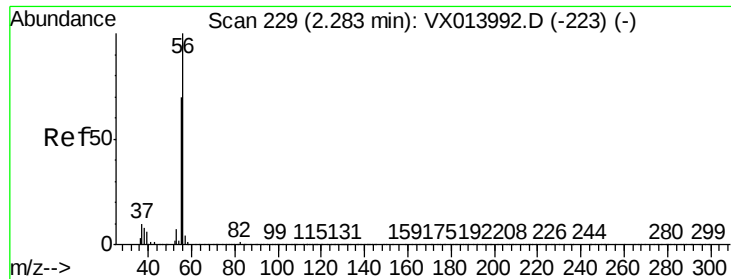
apatel
12/18/2019 11:05:39 AM



#12
Methyl Acetate
Concen: 19.867 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	18.5	27.7





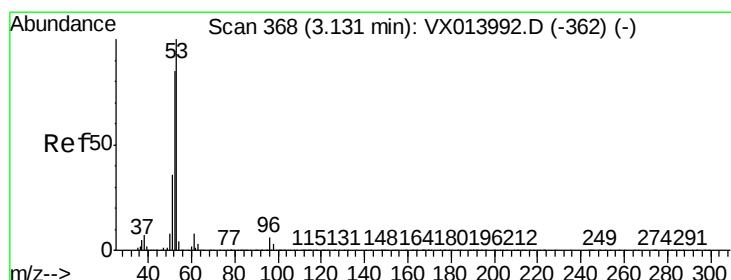
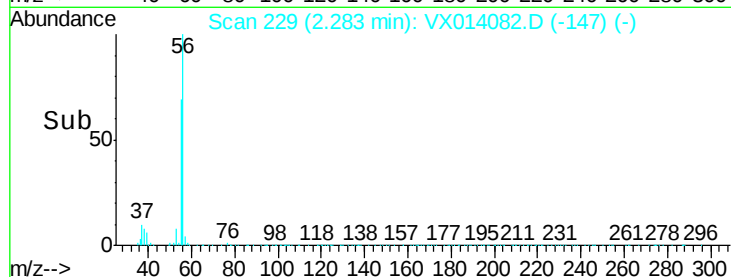
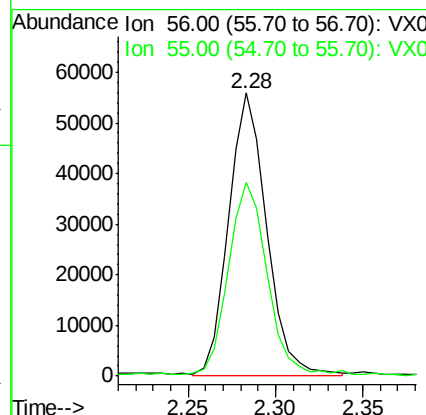
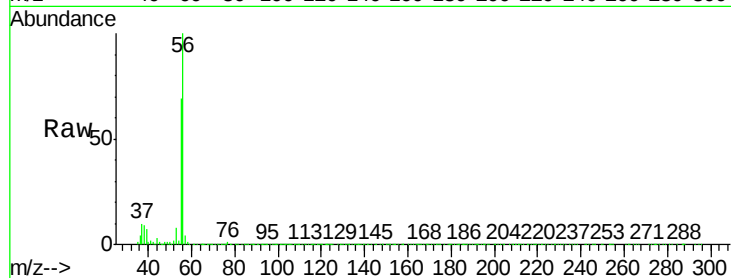
#13
Acrolein
Concen: 87.218 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.3	54.9	82.3

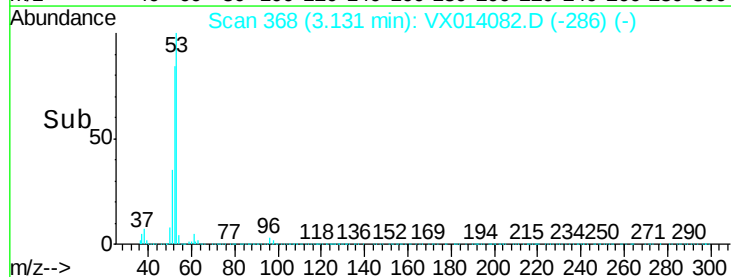
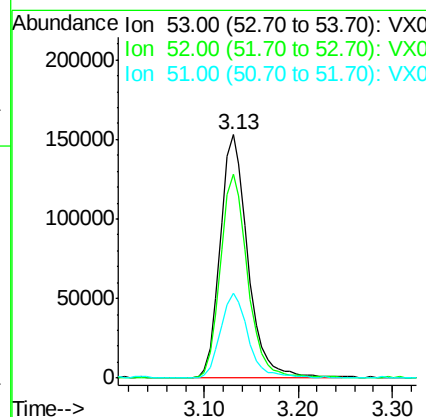
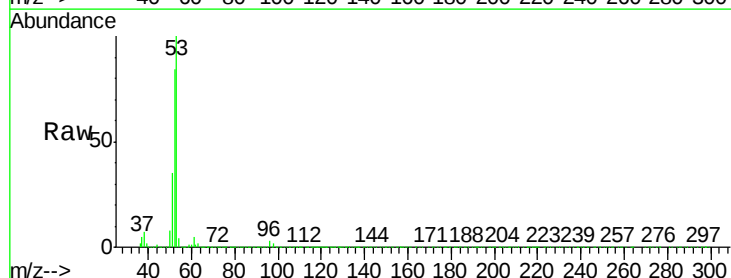
Manual Integrations
APPROVED

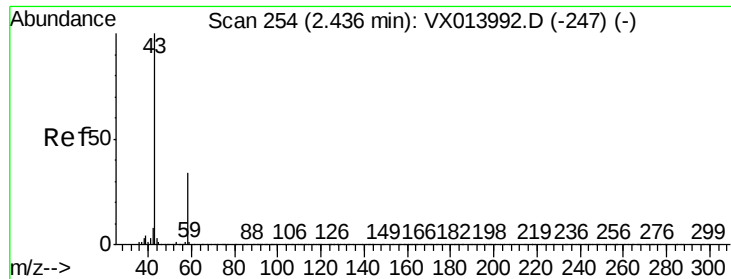
apatel
12/18/2019 11:05:39 AM



#14
Acrylonitrile
Concen: 100.195 ug/l
RT: 3.13 min Scan# 368
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	82.6	41.5	124.6
51	51	35.5	17.8	53.5





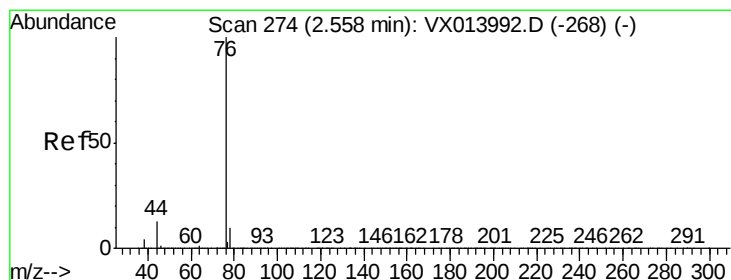
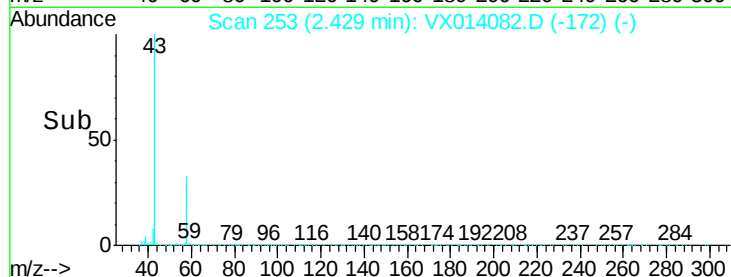
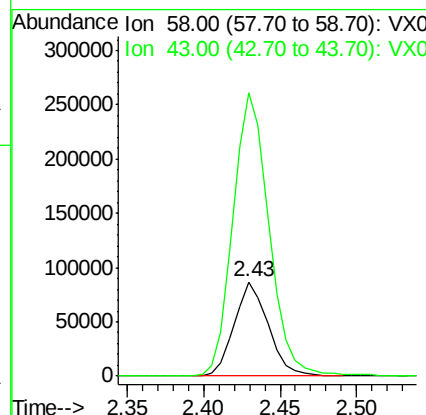
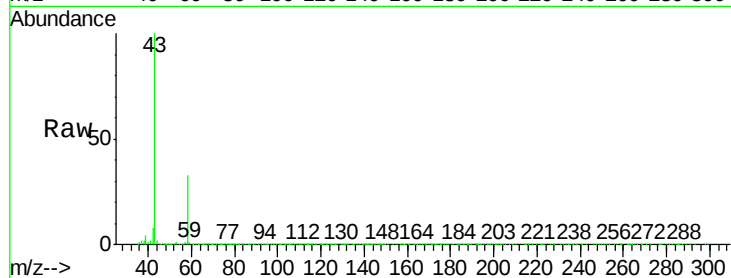
#15
Acetone
Concen: 145.984 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	58	Resp	132585
Ion Ratio	58	100	
Lower	43	301.0	236.3
Upper			354.5

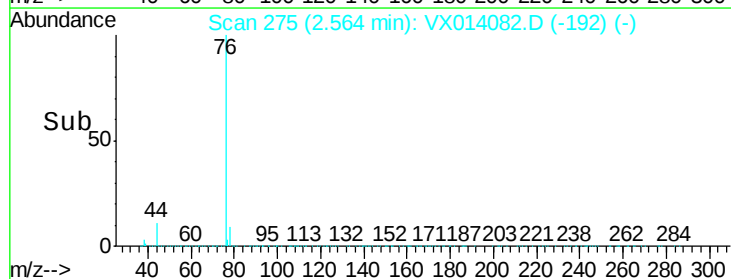
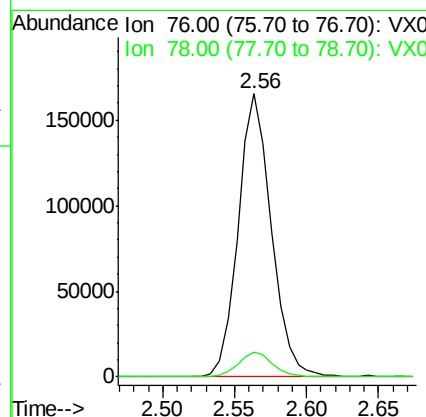
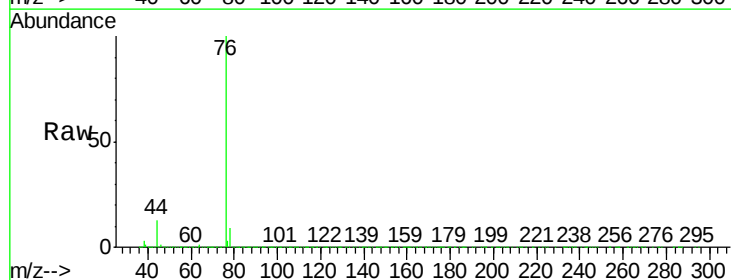
Manual Integrations
APPROVED

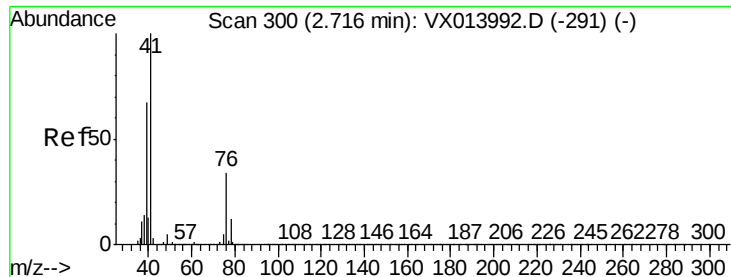
apatel
12/18/2019 11:05:39 AM



#16
Carbon Disulfide
Concen: 19.092 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	76	Resp	264211
Ion Ratio	76	100	
Lower	78	8.8	7.8
Upper			11.8





#17

Allvl chloride

Concen: 18.524 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

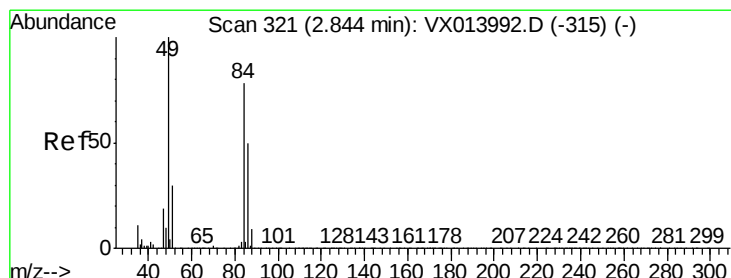
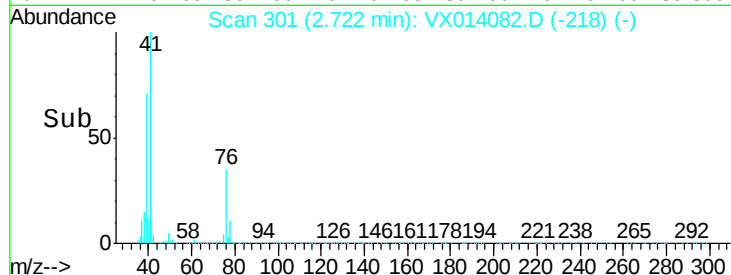
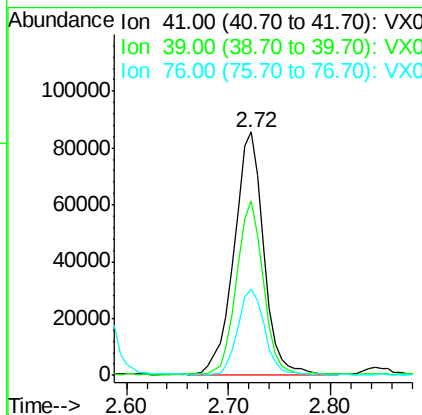
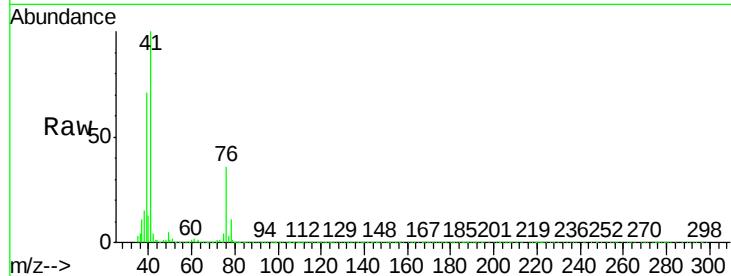
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	170048
Ion	Ratio	Lower	Upper
41	100		
39	71.4	33.4	100.2
76	35.5	17.0	50.9

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#18

Methylene Chloride

Concen: 18.542 ug/l

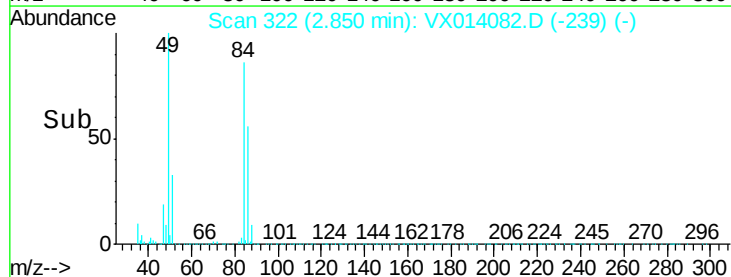
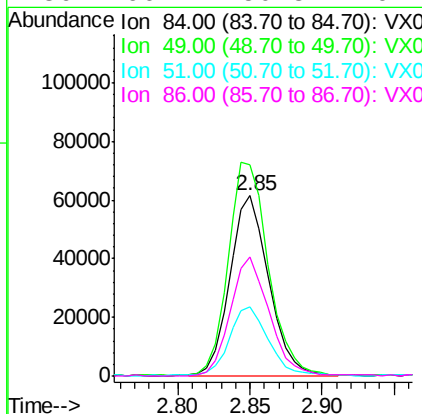
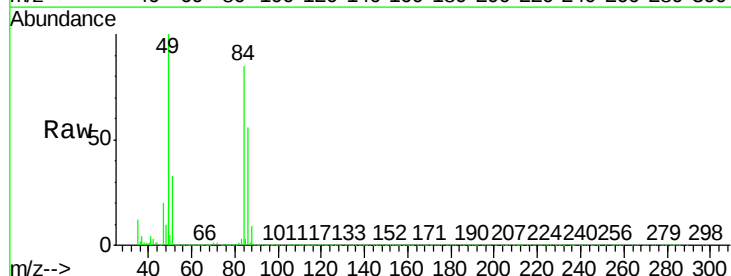
RT: 2.85 min Scan# 322

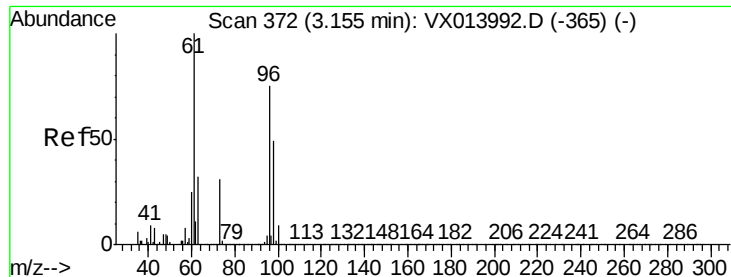
Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	84	Resp:	116067
Ion	Ratio	Lower	Upper
84	100		
49	117.3	102.2	153.2
51	37.7	31.4	47.0
86	66.2	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 18.997 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

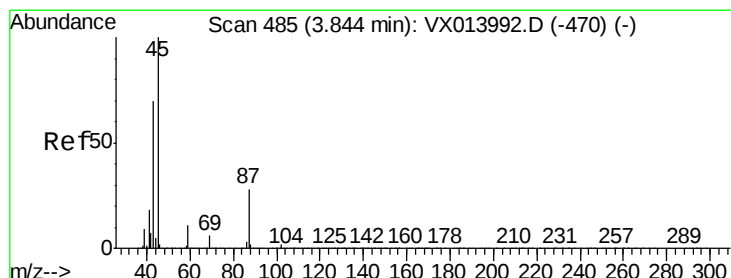
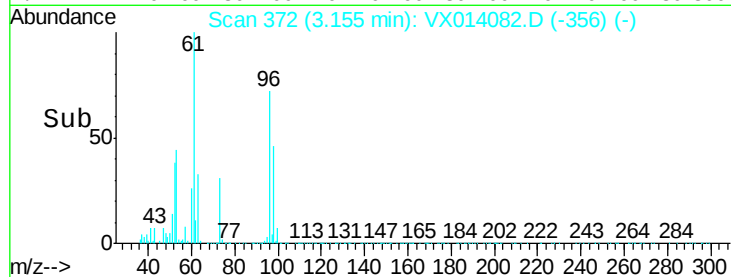
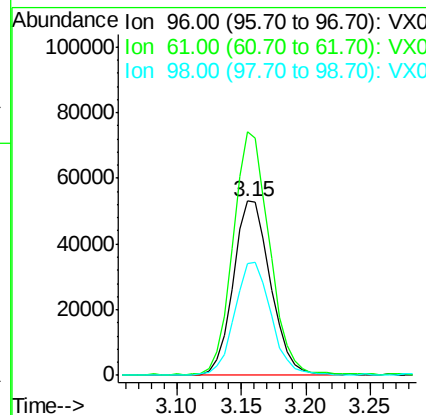
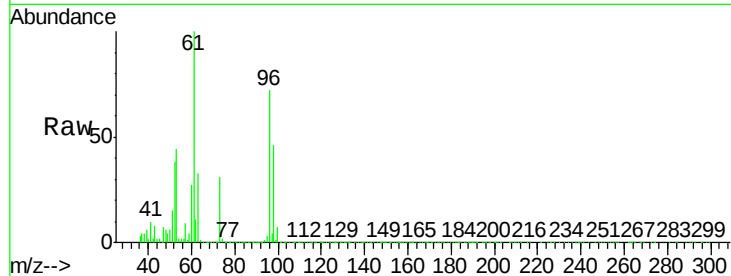
ClientSampleId :

VSTDCCC020EC

Tot Ion:	96	Resp:	106272
Ion Ratio	Lower	Upper	
96	100		
61	139.0	106.6	159.8
98	63.9	51.6	77.4

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#20

Diisopropyl ether

Concen: 18.821 ug/l

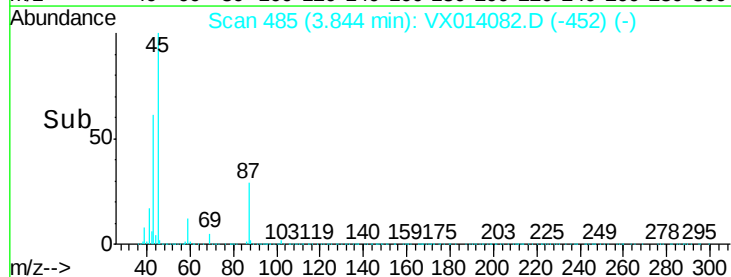
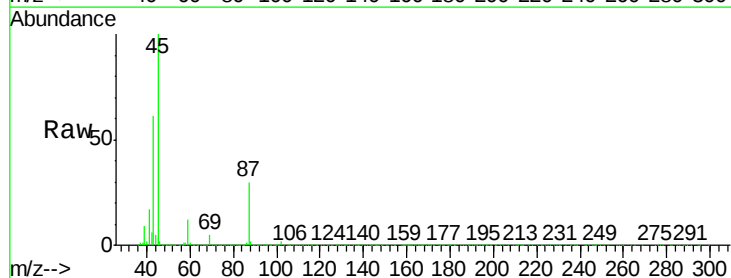
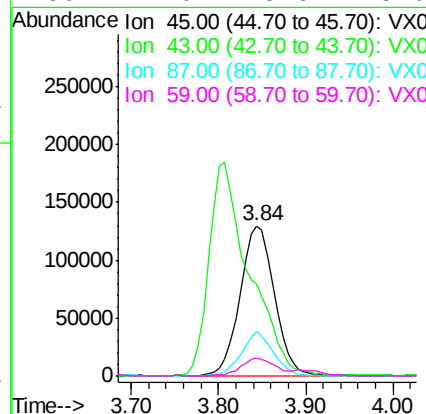
RT: 3.84 min Scan# 485

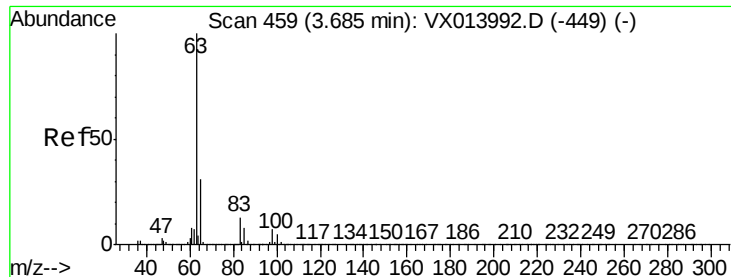
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	45	Resp:	354513
Ion Ratio	Lower	Upper	
45	100		
43	60.7	55.9	83.9
87	29.5	22.2	33.2
59	12.0	8.6	13.0





#21

1,1-Dichloroethane

Concen: 18.965 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

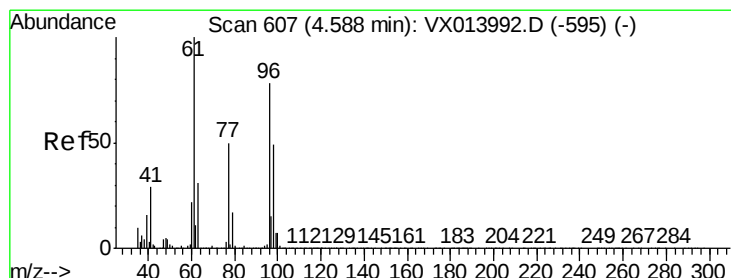
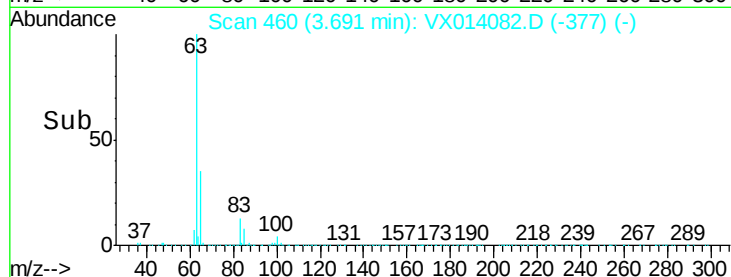
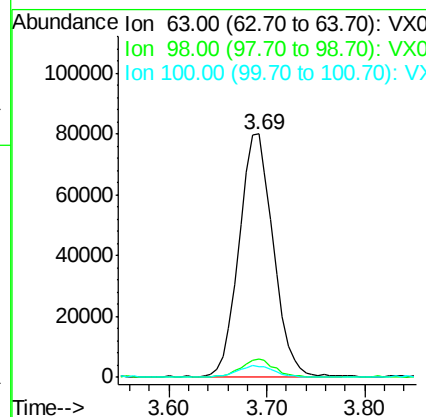
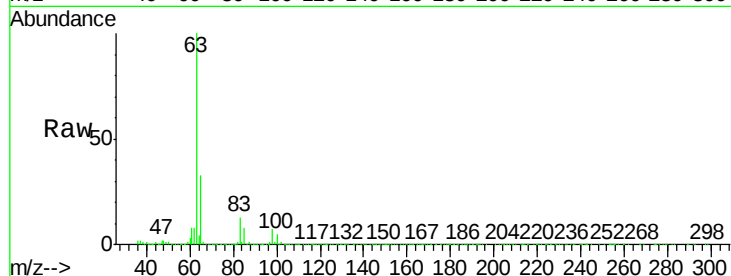
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	193882
Ion Ratio		Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.5	2.5	7.4

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#22

cis-1,2-Dichloroethene

Concen: 18.926 ug/l

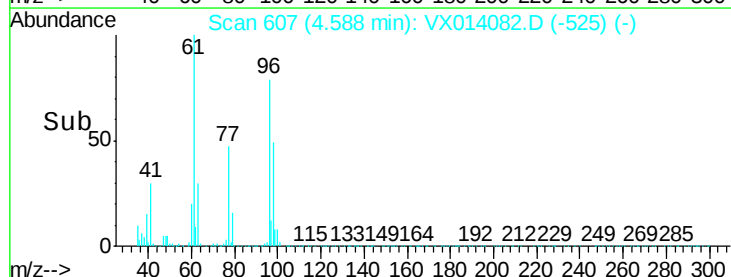
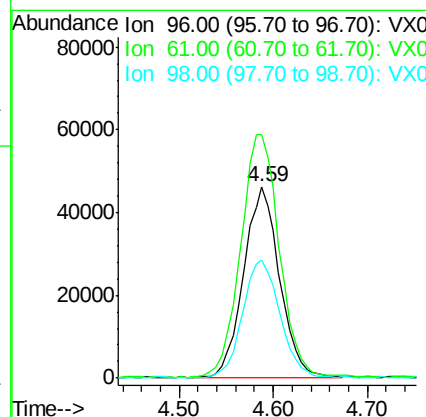
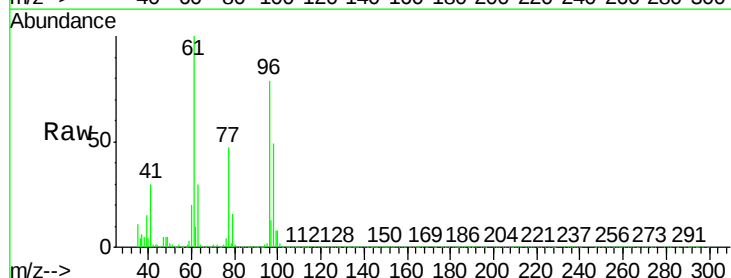
RT: 4.59 min Scan# 607

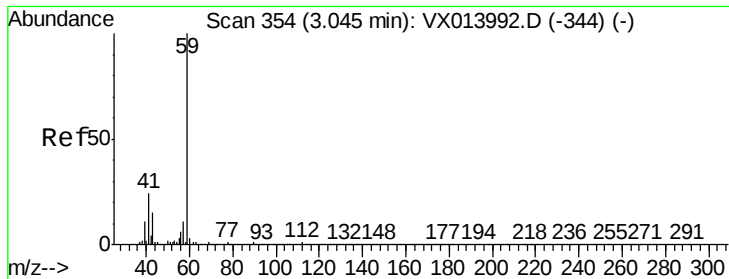
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	96	Resp:	122733
Ion Ratio		Lower	Upper
96	100		
61	139.0	112.4	168.6
98	64.8	50.3	75.5





#23

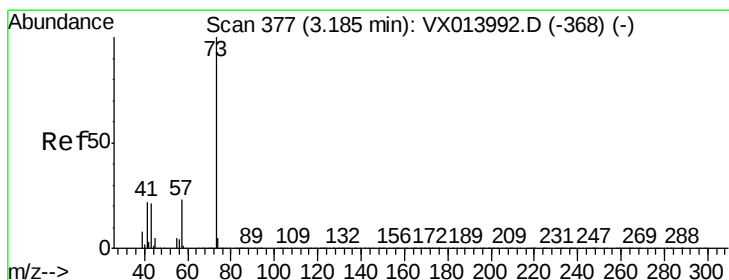
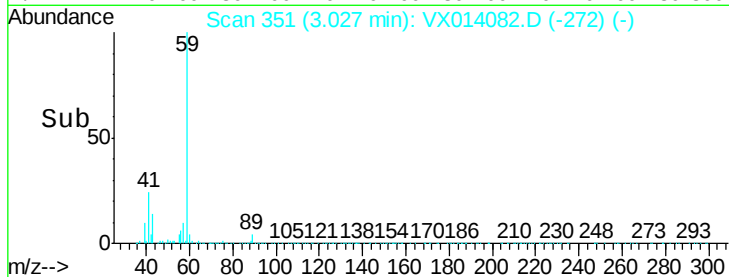
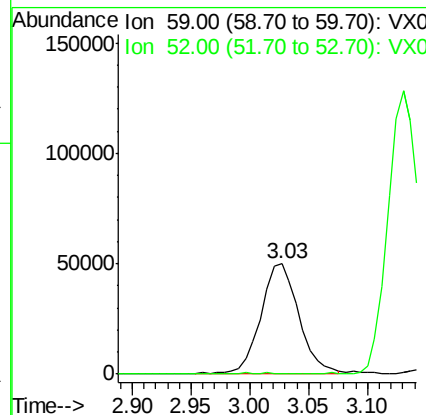
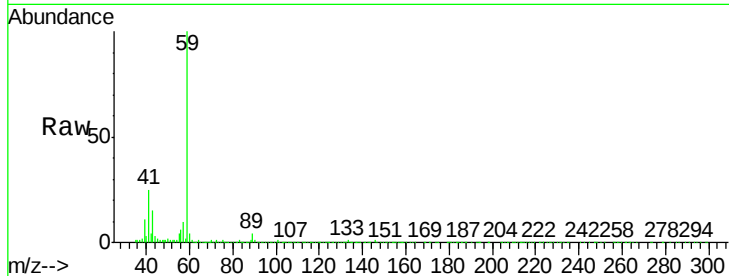
tert-Butyl Alcohol
 Concen: 92.641 ug/l m
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.2#

Manual Integrations
 APPROVED

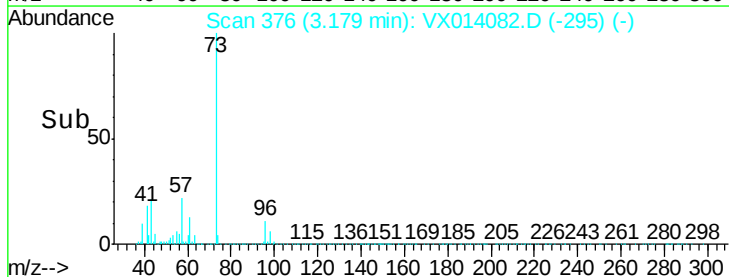
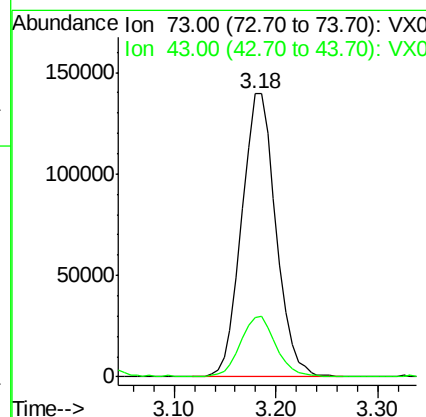
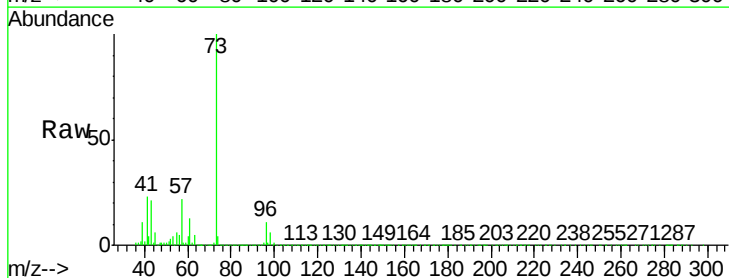
apatel
 12/18/2019 11:05:39 AM

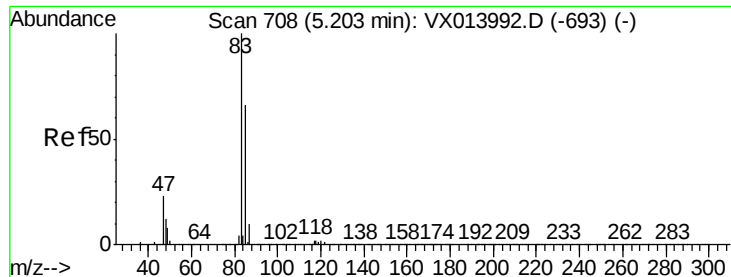


#24

Methyl tert-Butyl Ether
 Concen: 18.804 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.7	16.6	25.0





#25

Chloroform

Concen: 19.257 ug/l

RT: 5.20 min Scan# 708

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 187690

Ion Ratio Lower Upper

83 100

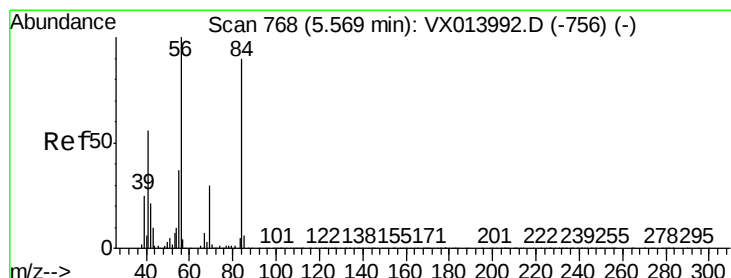
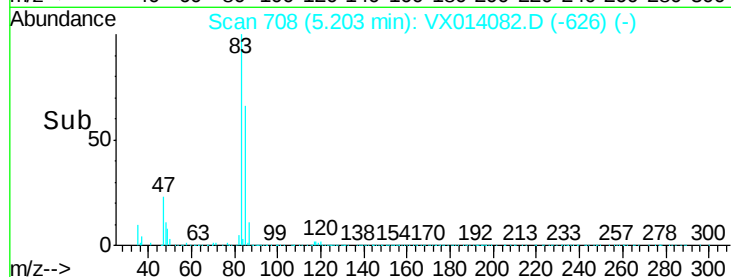
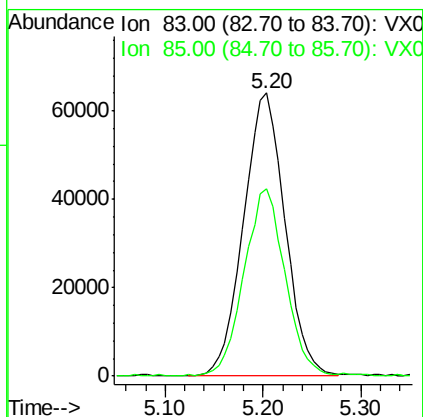
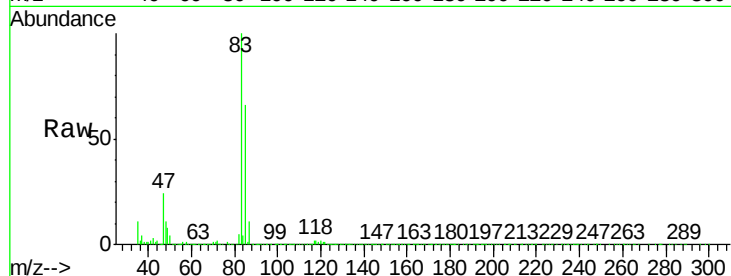
85 65.6 52.7 79.1

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



#26

Cyclohexane

Concen: 18.580 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

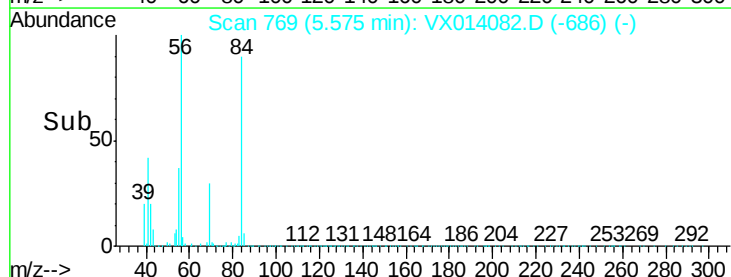
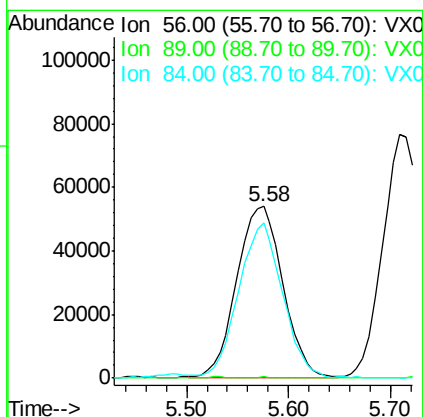
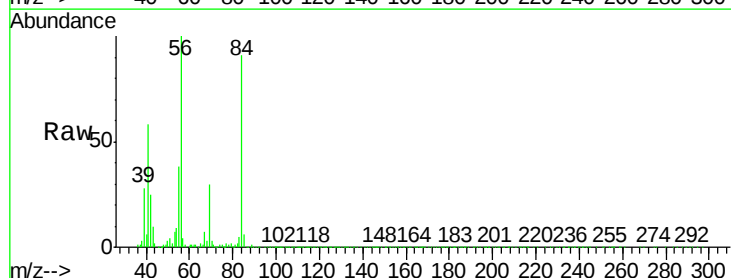
Tgt Ion: 56 Resp: 169369

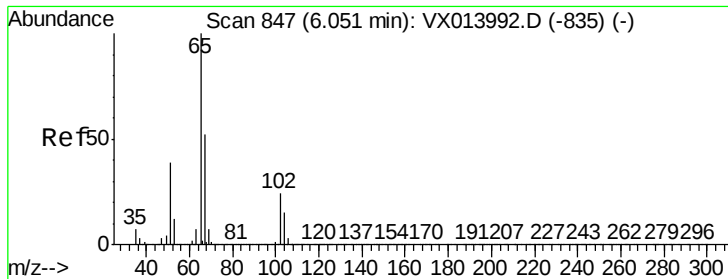
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 85.4 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 29.478 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tot Ion: 65 Resp: 192593

Ion Ratio Lower Upper

65 100

67 52.9 43.1 64.7

Instrument :

MSVOA_X

ClientSampleId :

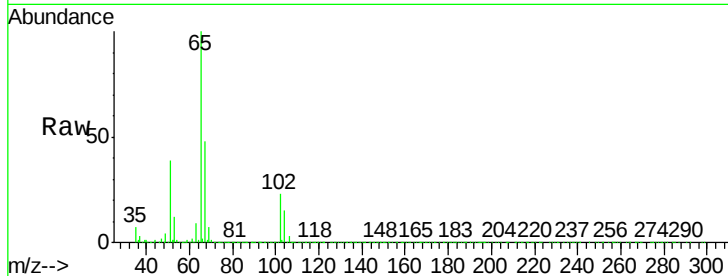
VSTDCCC020EC

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

80000

60000

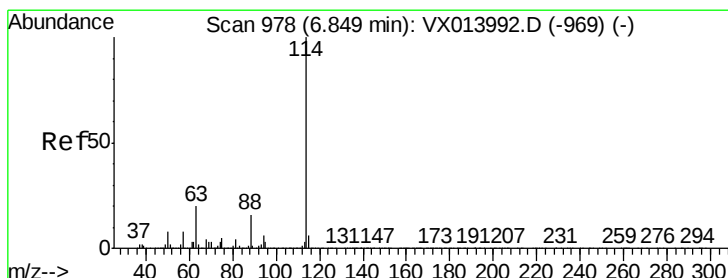
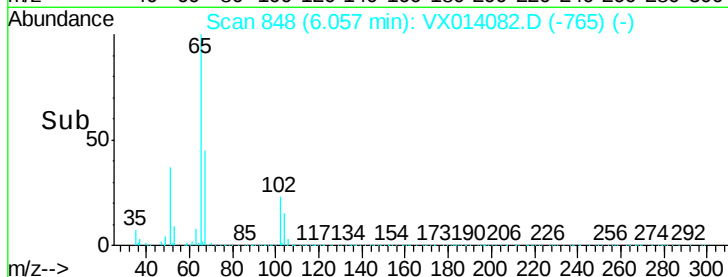
40000

20000

0

5.95 6.00 6.05 6.10 6.15

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

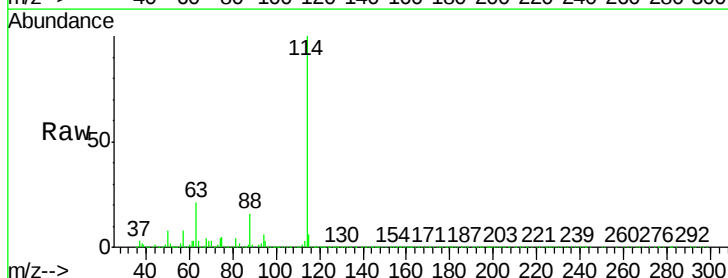
Tgt Ion: 114 Resp: 502655

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

88 15.9 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.85

300000

250000

200000

150000

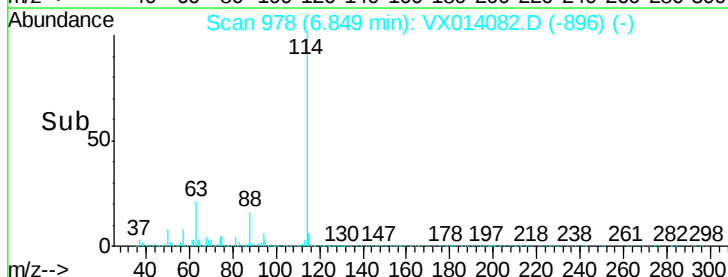
100000

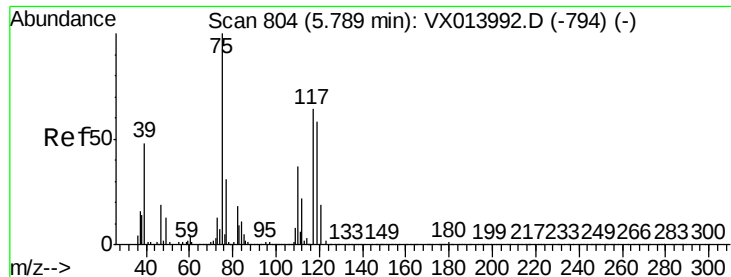
50000

0

6.70 6.80 6.90 7.00

Time-->





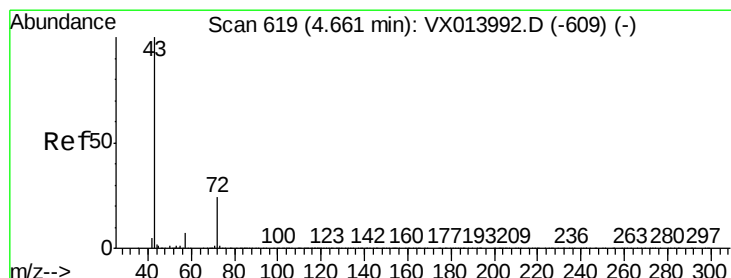
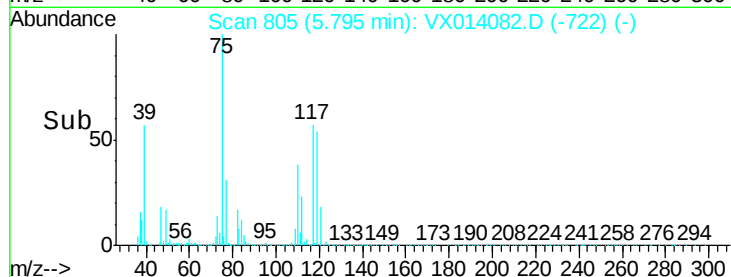
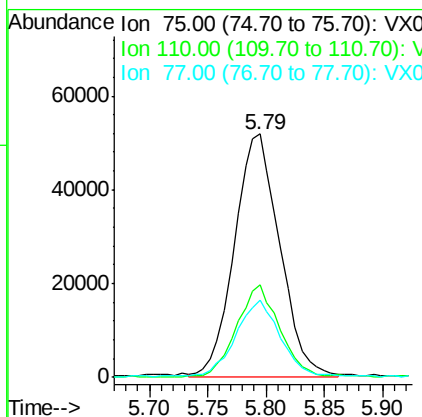
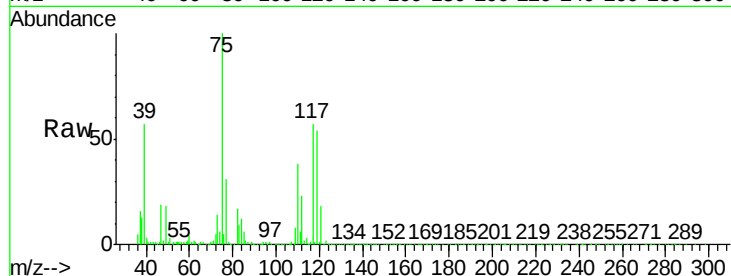
#29
 1,1-Dichloropropene
 Concen: 19.311 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	140213
Ion Ratio	Lower	Upper	
75	100		
110	36.4	0.0	73.8
77	30.4	0.0	62.4

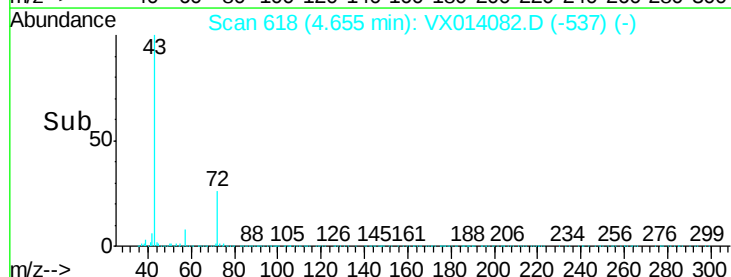
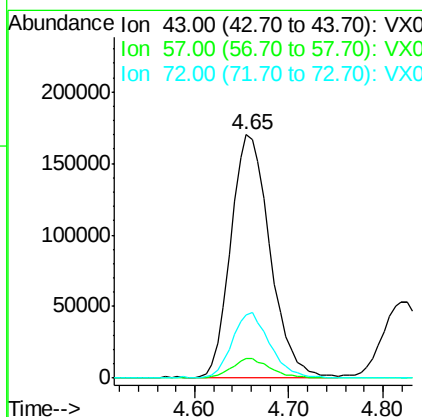
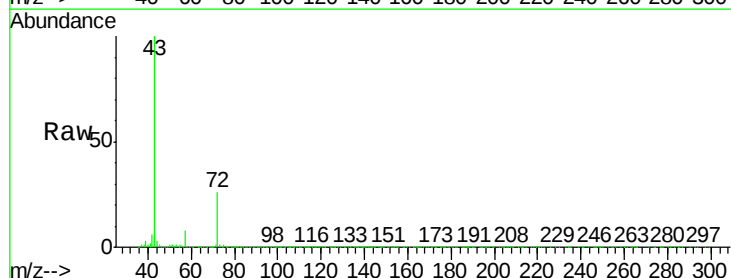
Manual Integrations
 APPROVED

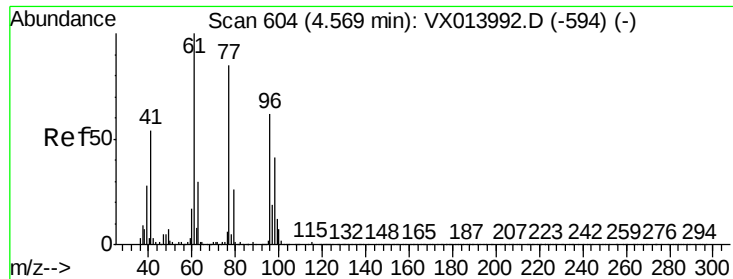
apatel
 12/18/2019 11:05:39 AM



#30
 2-Butanone
 Concen: 115.094 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Tgt Ion:	43	Resp:	492558
Ion Ratio	Lower	Upper	
43	100		
57	7.6	6.2	9.2
72	25.7	20.3	30.5





#31

2,2-Dichloropropane

Concen: 16.067 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 107910

Ion Ratio Lower Upper

77 100

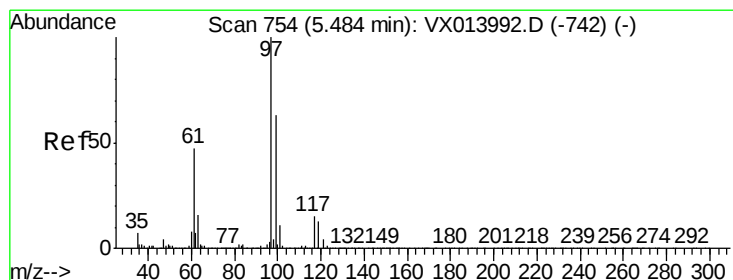
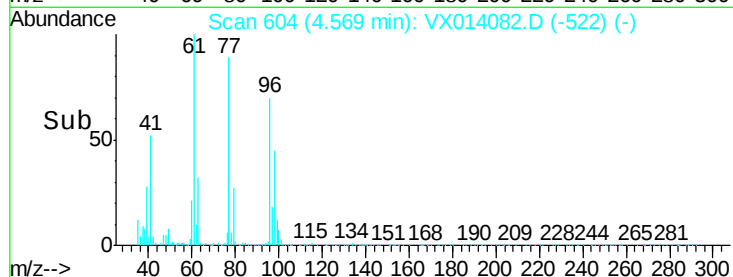
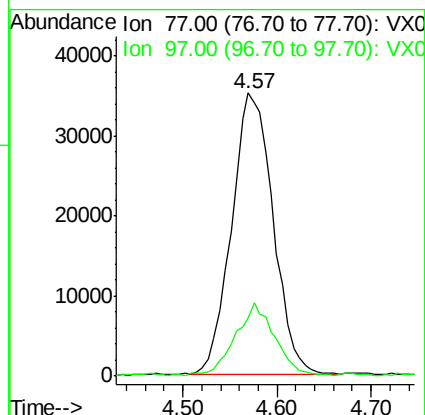
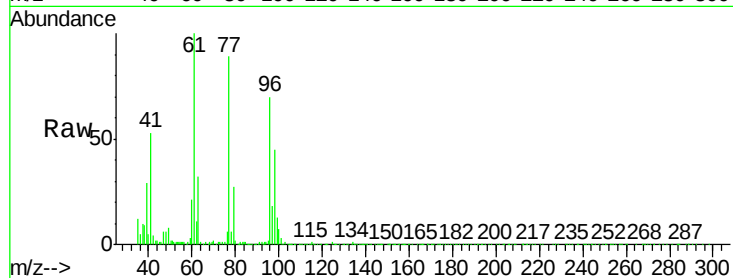
97 25.0 19.7 29.5

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



#32

1,1,1-Trichloroethane

Concen: 18.988 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

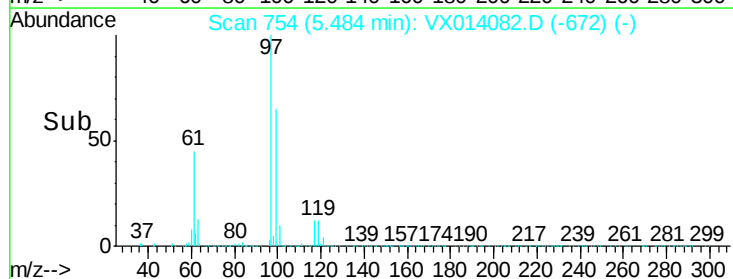
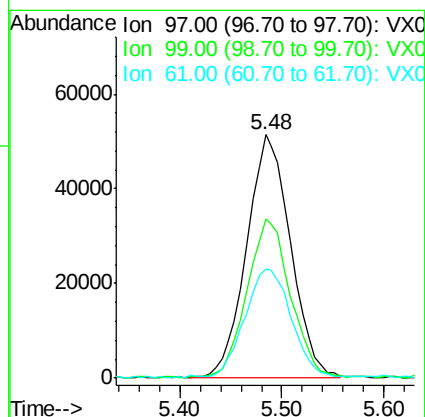
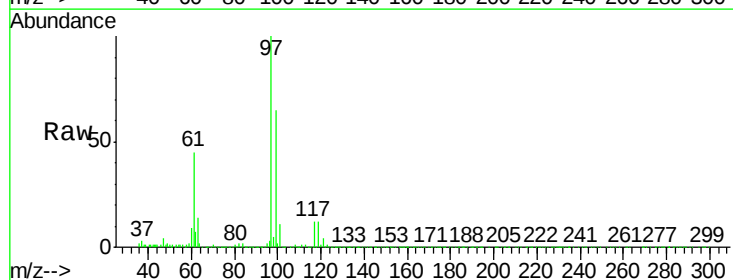
Tgt Ion: 97 Resp: 152488

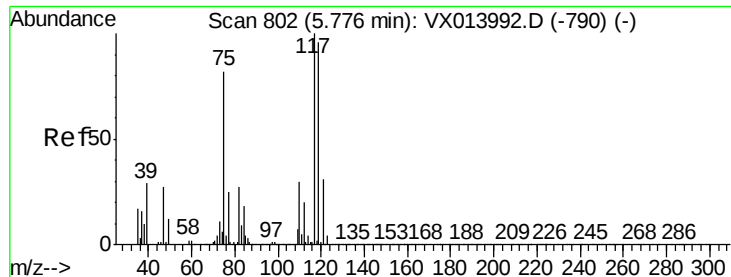
Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 46.4 36.8 55.2





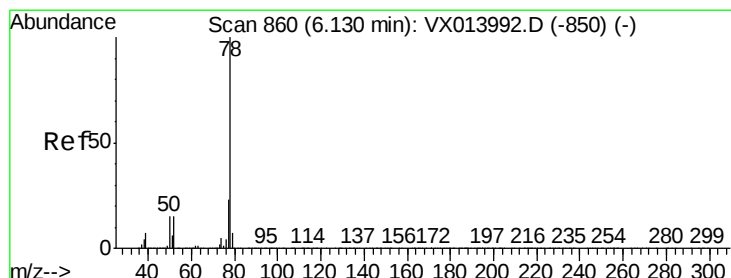
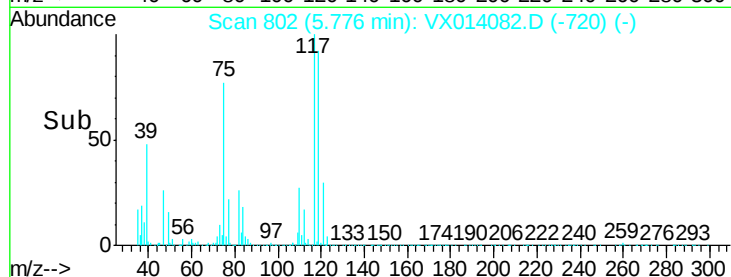
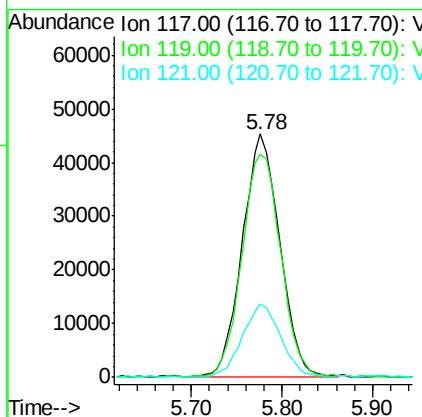
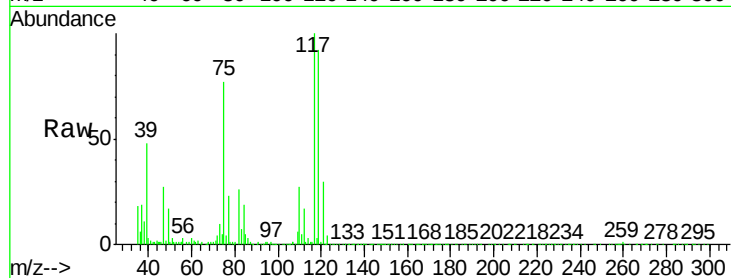
#33
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.2	115.8
121	29.8	24.8	37.2

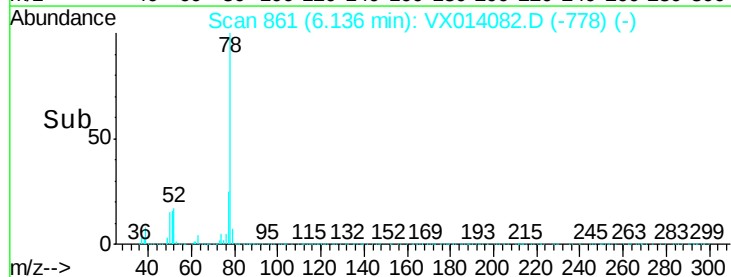
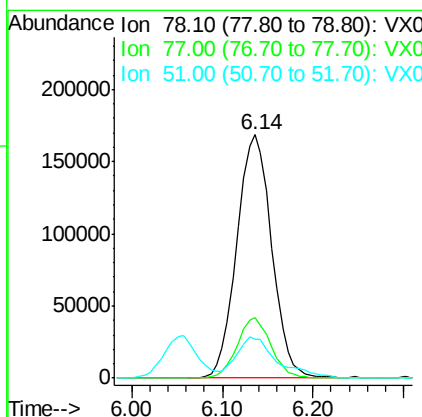
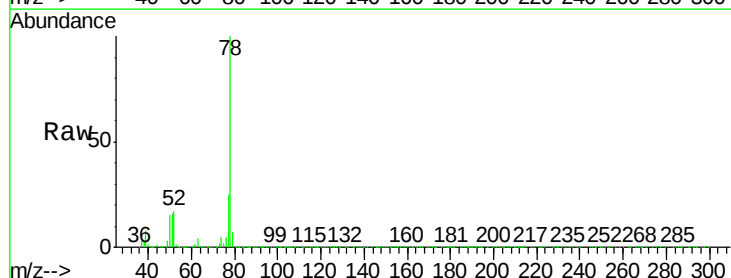
Manual Integrations
APPROVED

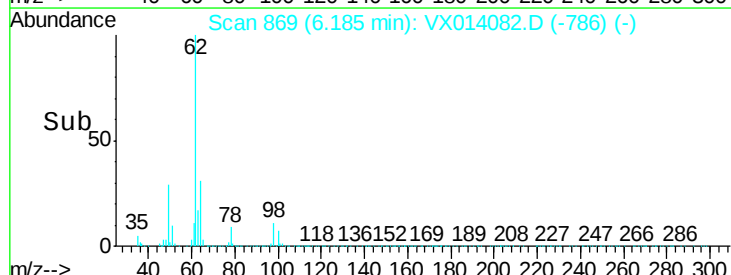
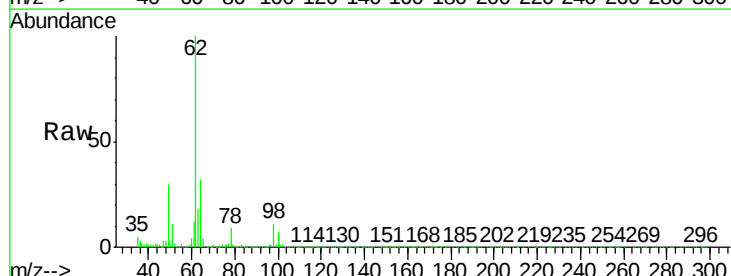
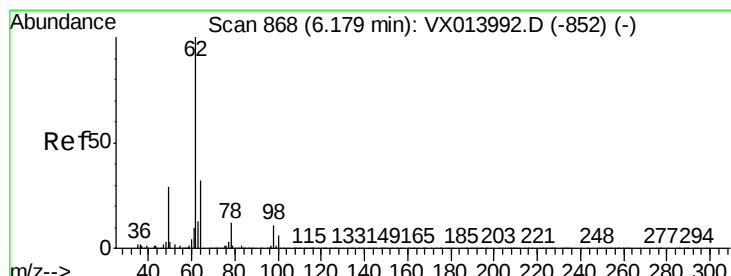
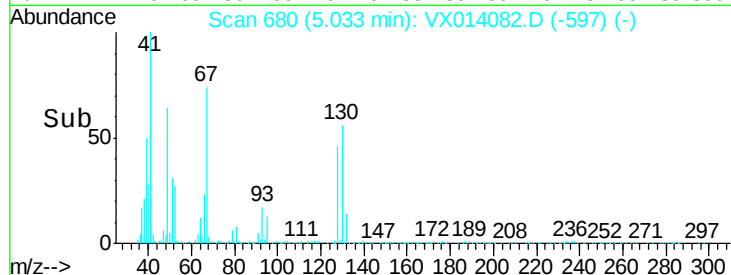
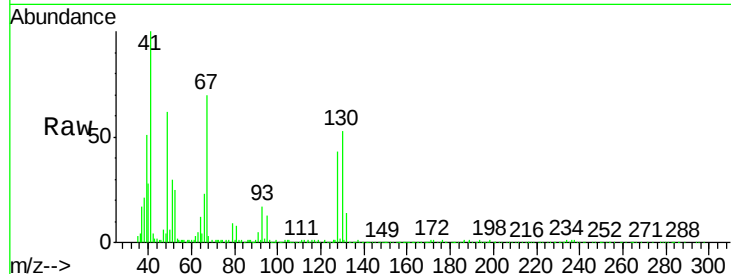
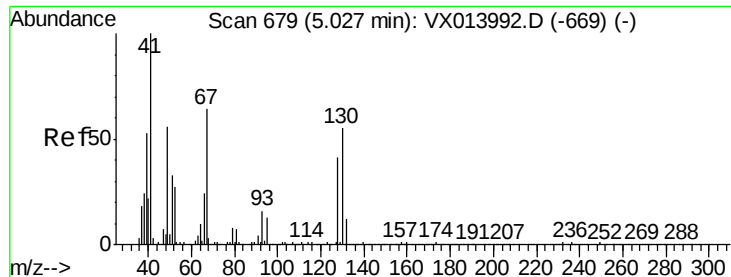
apatel
12/18/2019 11:05:39 AM



#34
Benzene
Concen: 19.847 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

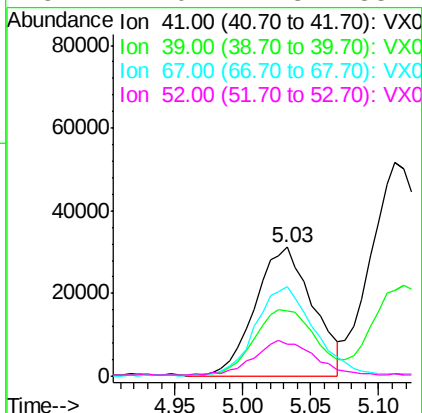
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.2	27.2
51	15.4	12.4	18.6





#35
Methacrylonitrile
Concen: 20.151 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.2	26.7	80.1	
67	68.8	31.5	94.5	
52	24.0	12.8	38.4	



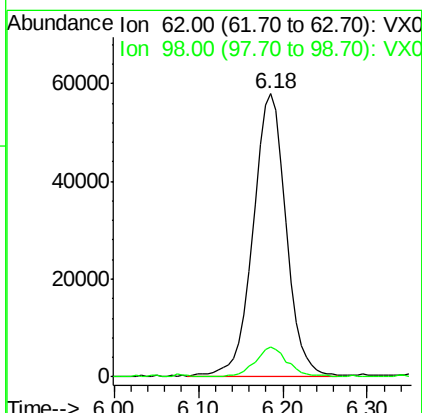
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

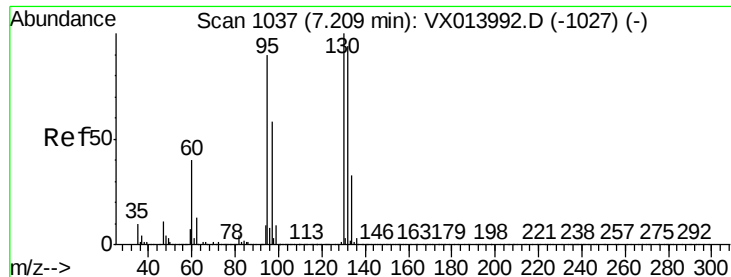
Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM

#36
1,2-Dichloroethane
Concen: 19.587 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	8.4	12.6	





#37

Trichloroethene

Concen: 21.678 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 133542

Ion Ratio Lower Upper

130 100

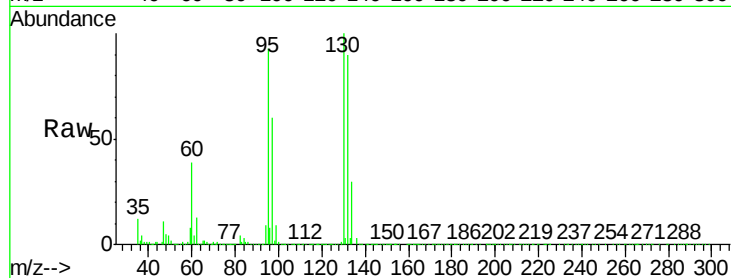
95 93.0 71.7 107.5

Manual Integrations

APPROVED

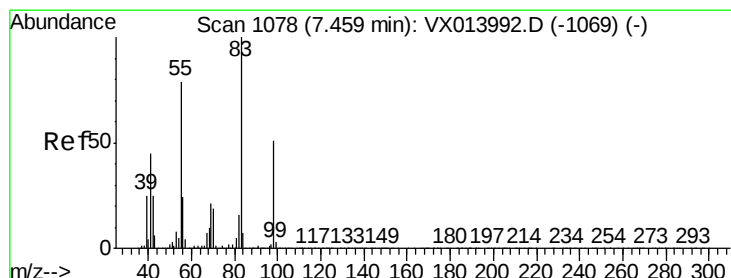
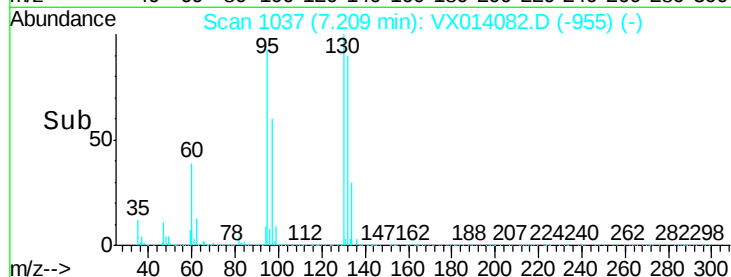
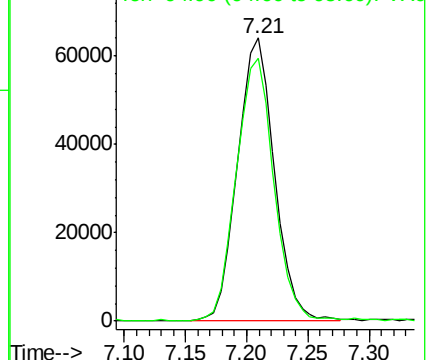
apatel

12/18/2019 11:05:39 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.008 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

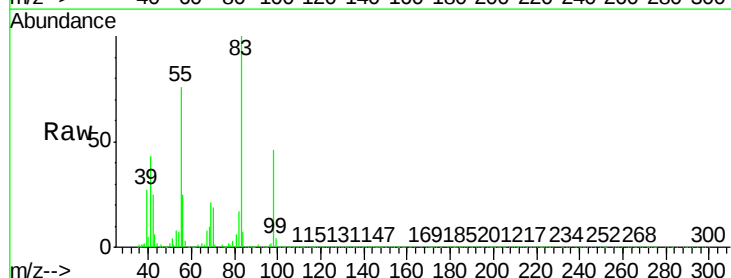
Tgt Ion: 83 Resp: 155965

Ion Ratio Lower Upper

83 100

55 78.4 39.4 118.1

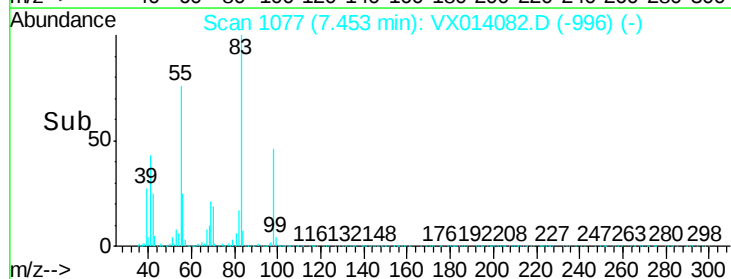
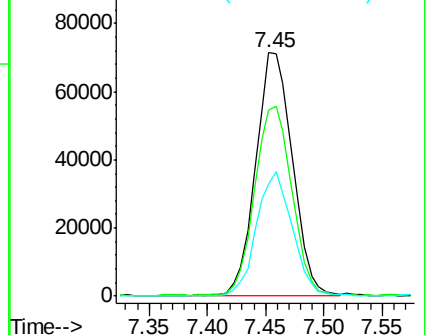
98 50.0 25.1 75.3

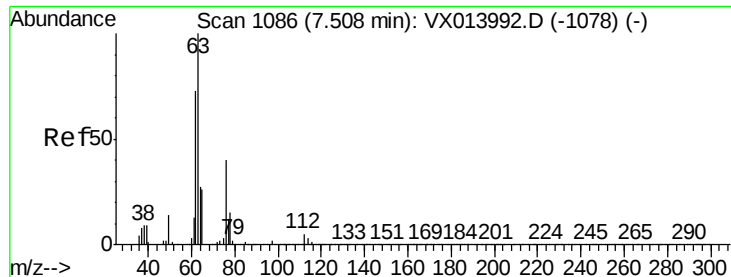


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 19.433 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 114270

Ion Ratio Lower Upper

63 100

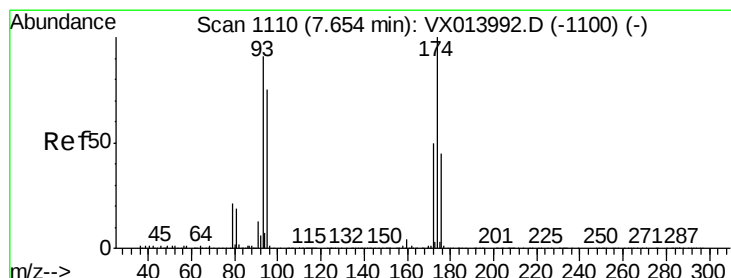
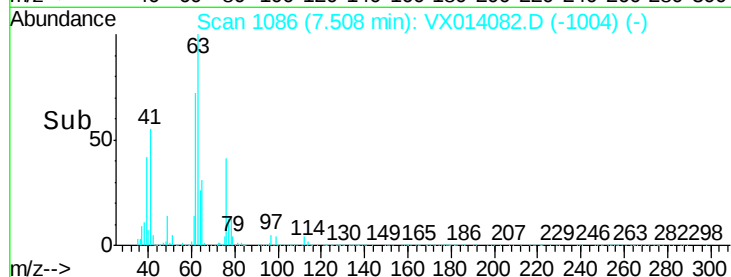
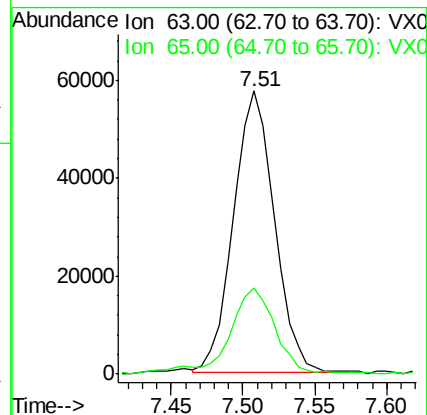
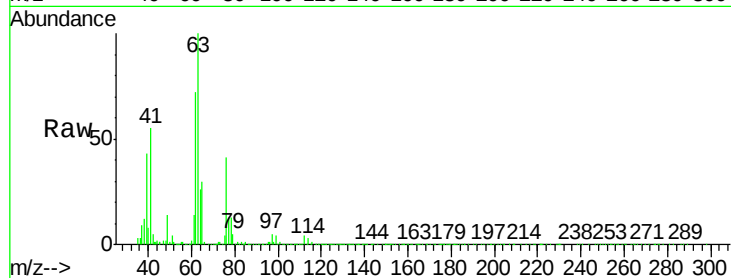
65 29.9 22.1 33.1

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



#40

Dibromomethane

Concen: 20.008 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

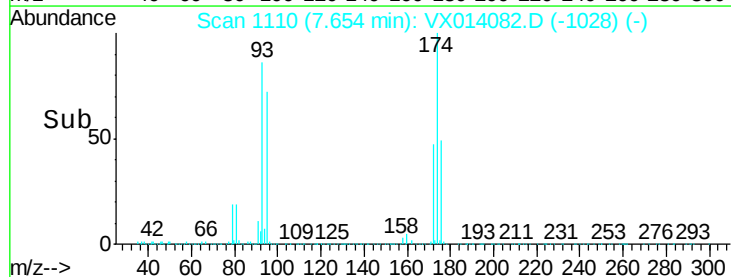
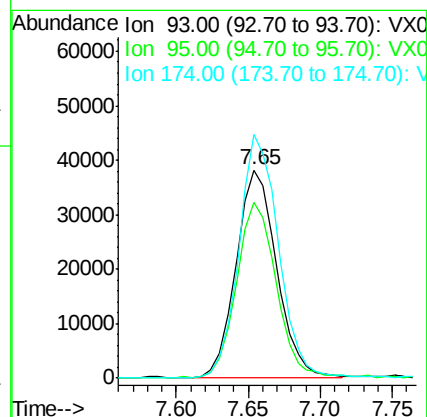
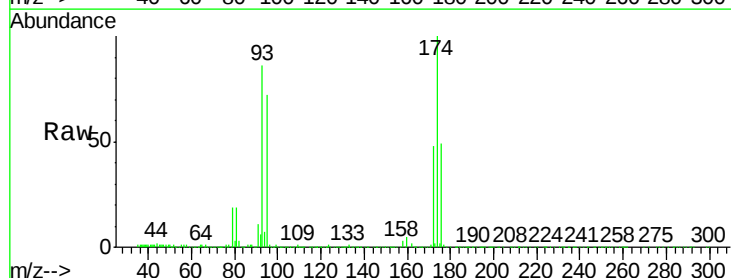
Tgt Ion: 93 Resp: 75157

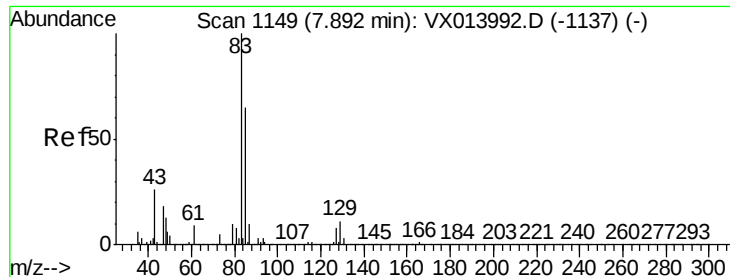
Ion Ratio Lower Upper

93 100

95 81.1 0.0 164.4

174 112.8 0.0 228.8





#41

Bromodichloromethane

Concen: 19.209 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

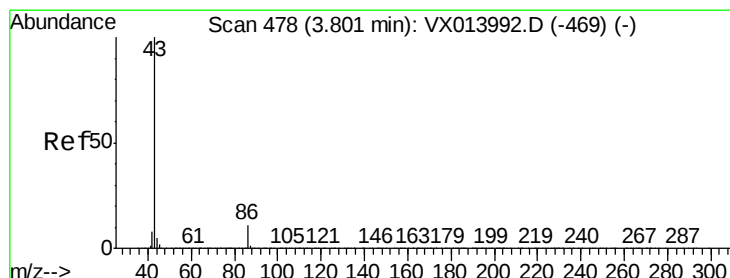
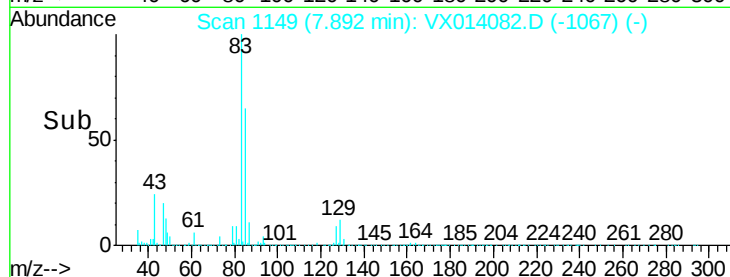
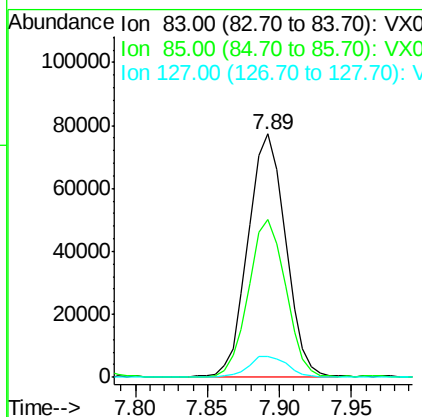
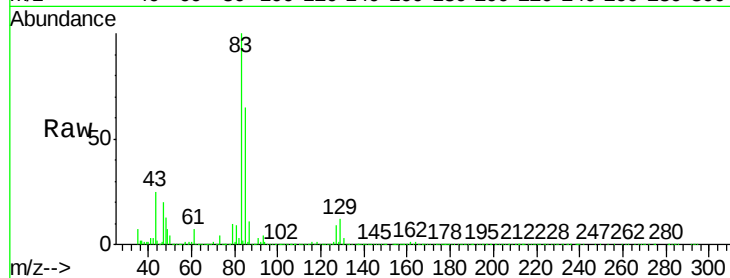
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	139715
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.6	77.4
127	8.7	6.0	9.0

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#42

Vinyl Acetate

Concen: 39.397 ug/l

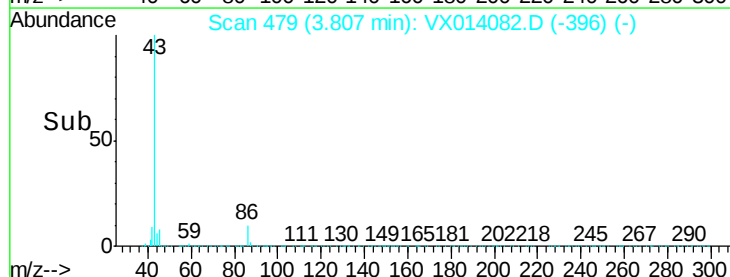
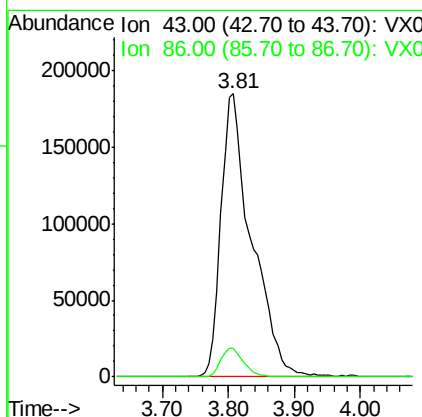
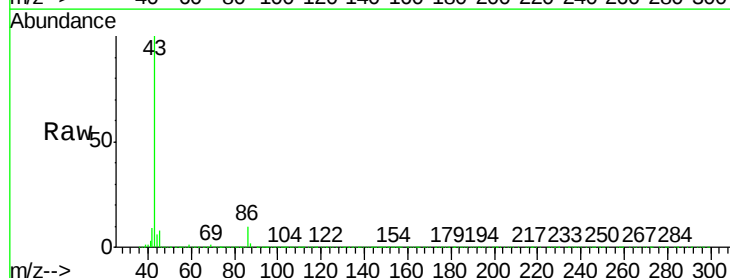
RT: 3.81 min Scan# 479

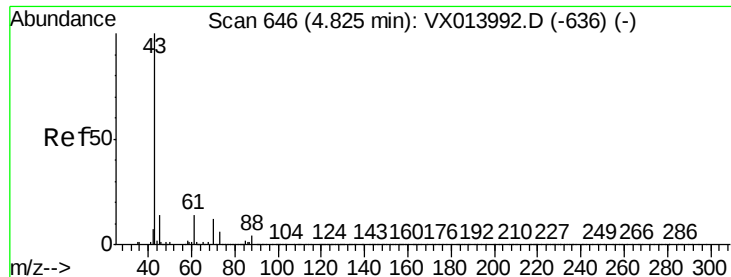
Delta R.T. 0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	43	Resp:	595267
Ion Ratio	Lower	Upper	
43	100		
86	7.5	7.7	11.5#





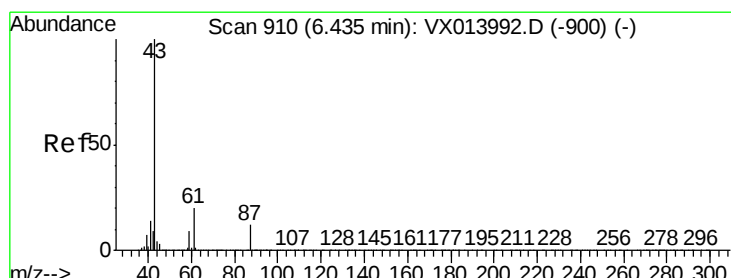
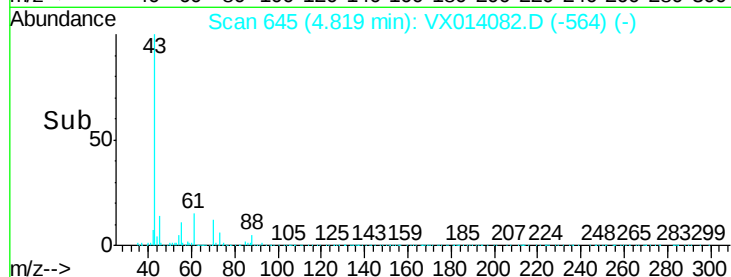
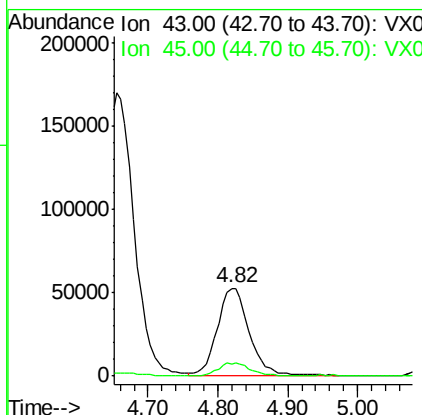
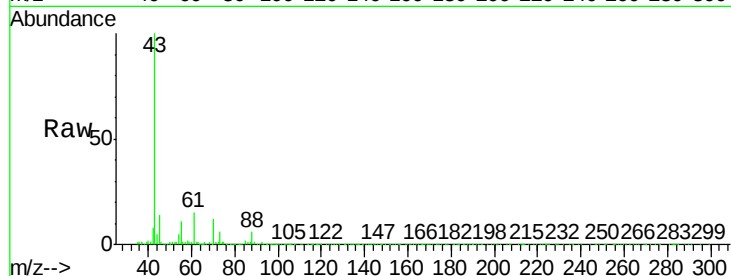
#43
Ethyl Acetate
Concen: 20.183 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 165743
Ion Ratio Lower Upper
43 100
45 6.5 11.8 17.8#

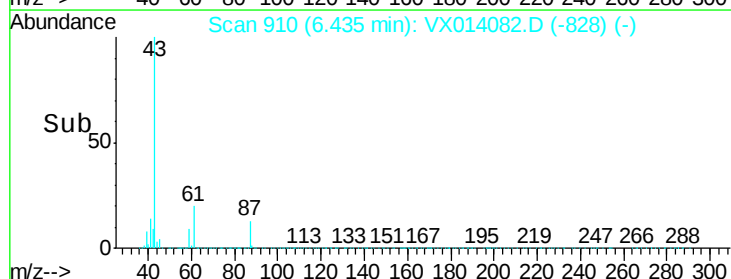
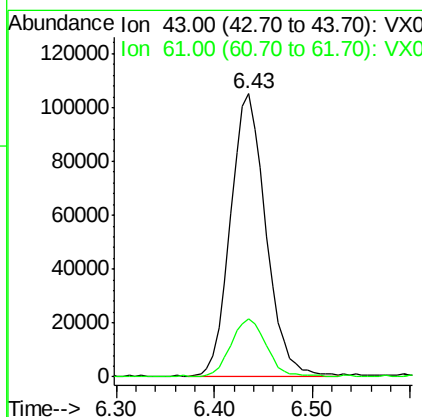
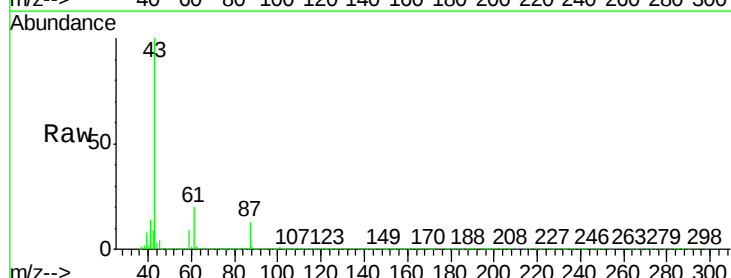
Manual Integrations
APPROVED

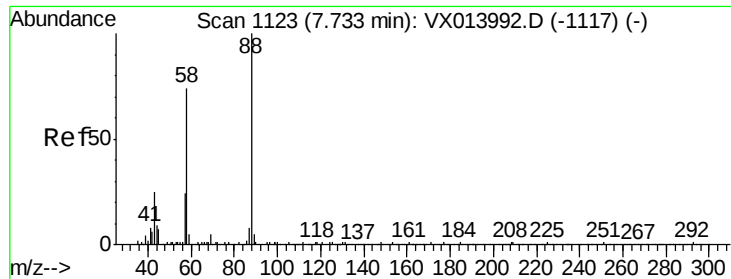
apatel
12/18/2019 11:05:39 AM



#44
Isopropyl Acetate
Concen: 19.147 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion: 43 Resp: 263345
Ion Ratio Lower Upper
43 100
61 20.2 15.9 23.9





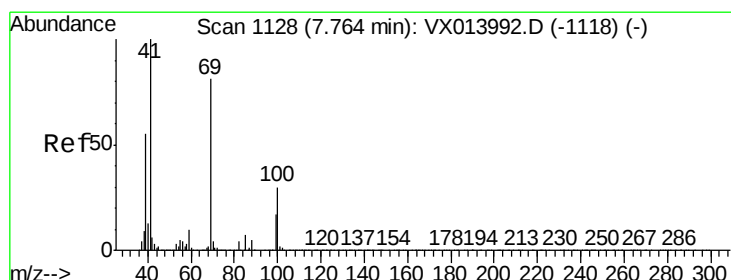
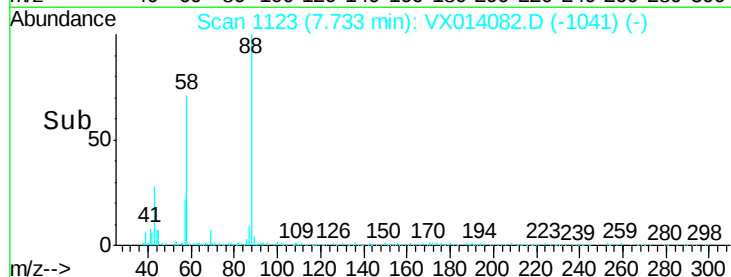
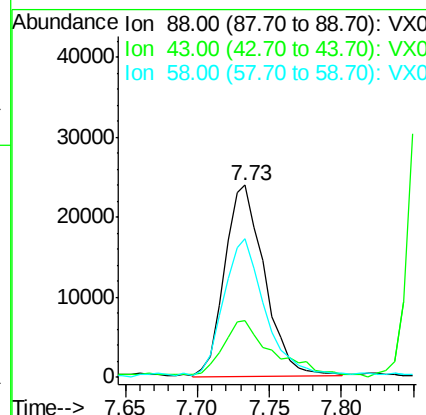
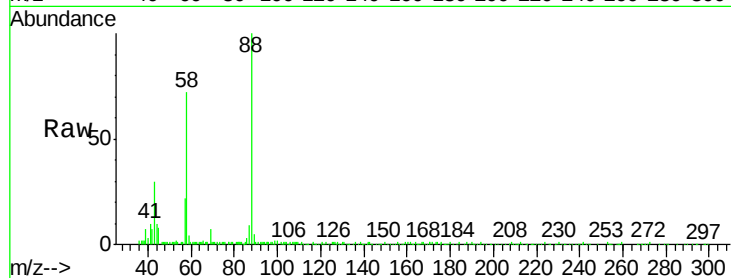
#45
1,4-Dioxane
Concen: 360.464 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	88	Resp:	46427
Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.4	38.2
58	73.8	56.5	84.7

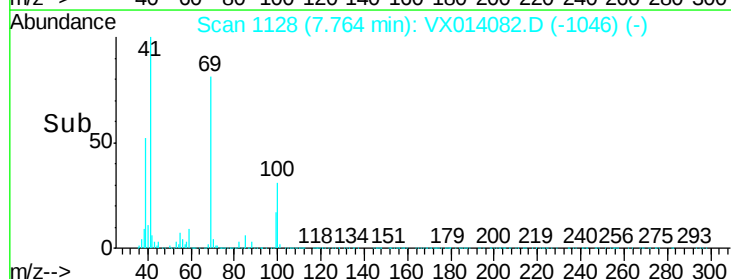
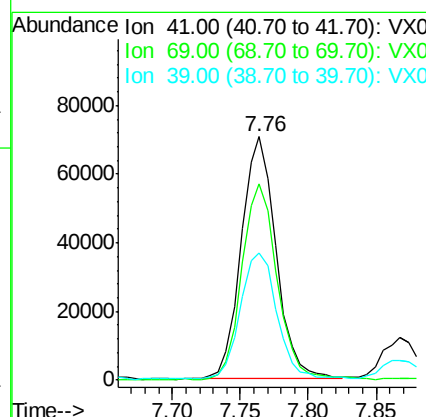
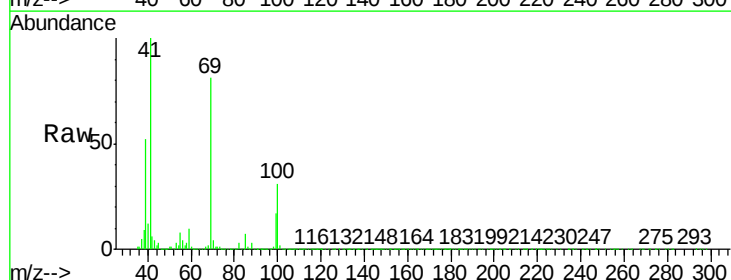
Manual Integrations
APPROVED

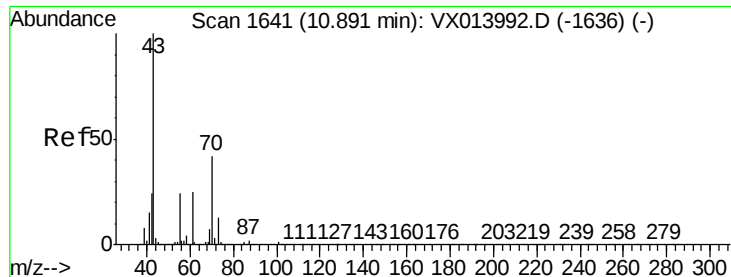
apatel
12/18/2019 11:05:39 AM



#46
Methyl methacrylate
Concen: 18.987 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion:	41	Resp:	126845
Ion	Ratio	Lower	Upper
41	100		
69	80.6	40.6	122.0
39	51.7	27.8	83.3





#47

n-amvl Acetate

Concen: 18.078 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 221078

Ion Ratio Lower Upper

43 100

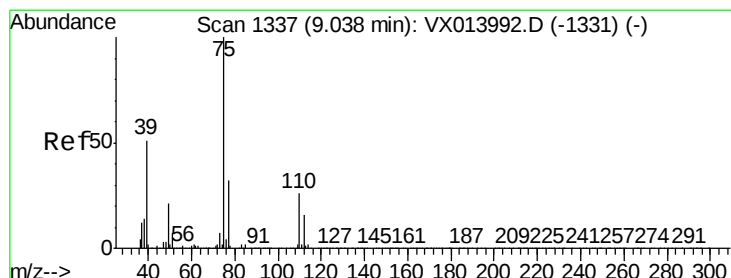
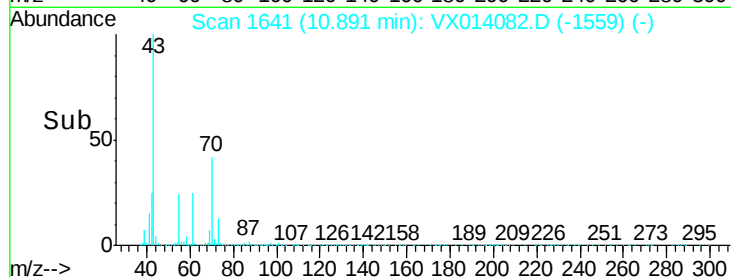
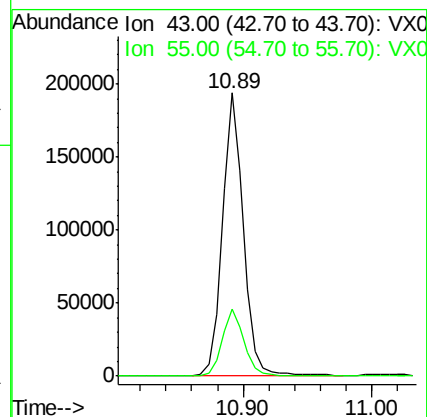
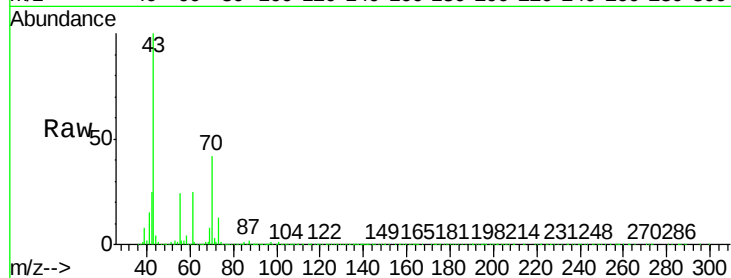
55 24.5 19.4 29.2

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



#48

t-1,3-Dichloropropene

Concen: 17.958 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX014082.D

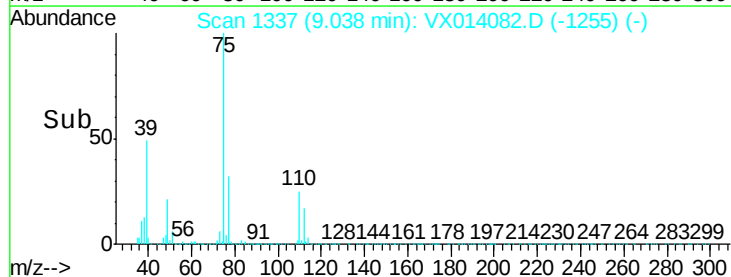
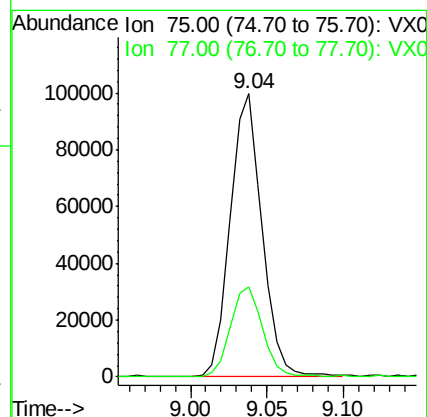
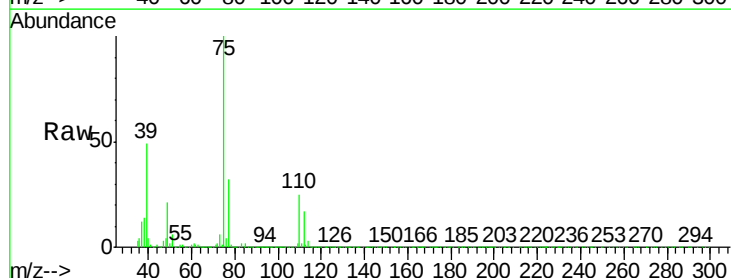
Acq: 18 Dec 2019 04:57

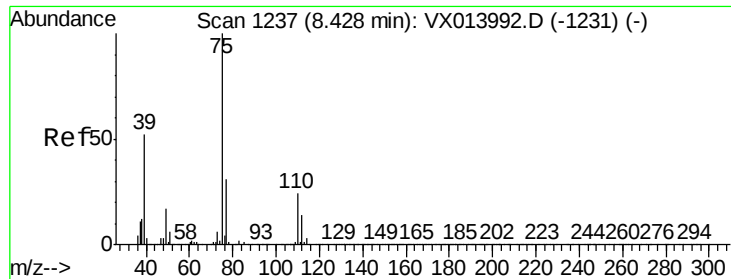
Tgt Ion: 75 Resp: 142558

Ion Ratio Lower Upper

75 100

77 31.4 26.0 39.0





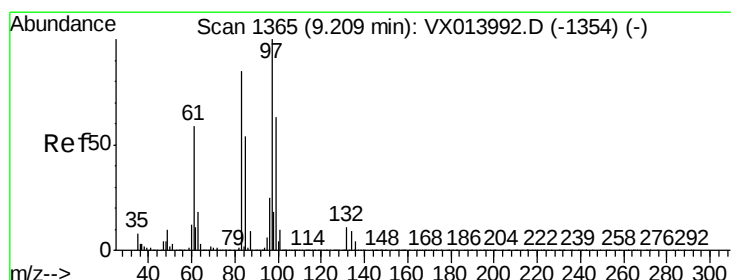
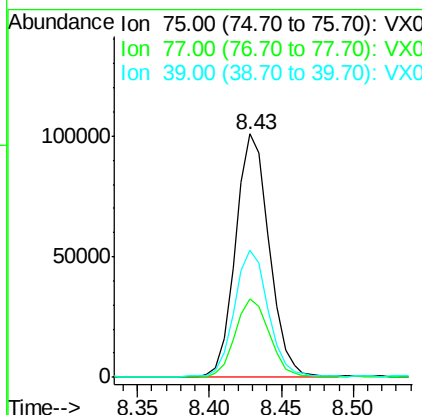
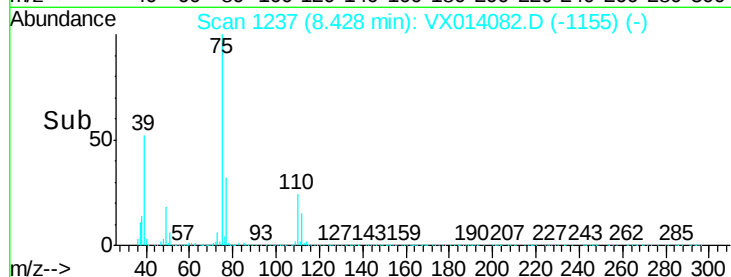
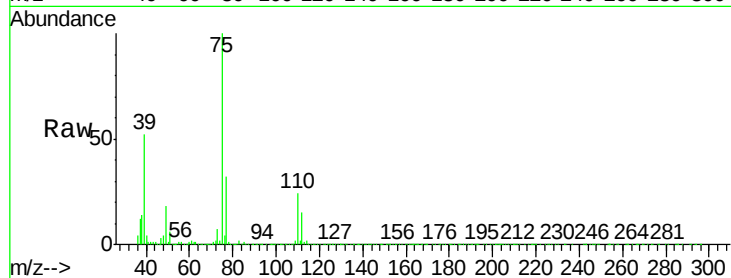
#49
 cis-1,3-Dichloropropene
 Concen: 18.348 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	51.8	41.1	61.7

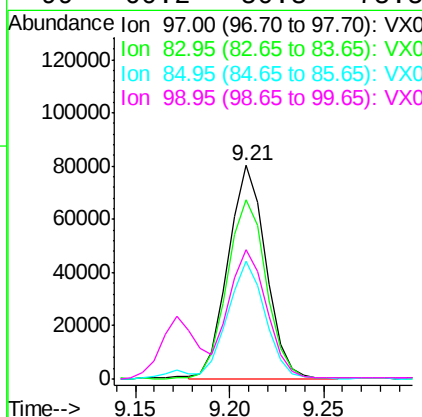
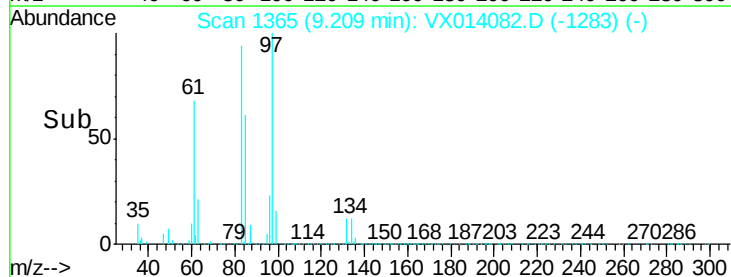
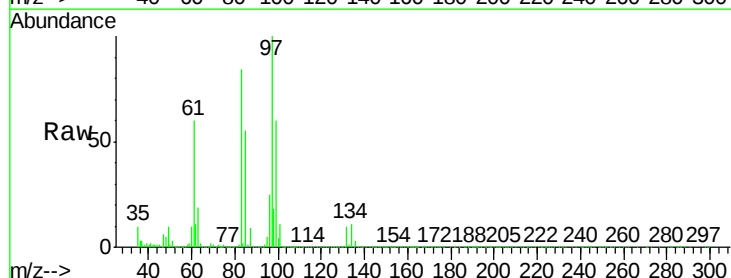
Manual Integrations
 APPROVED

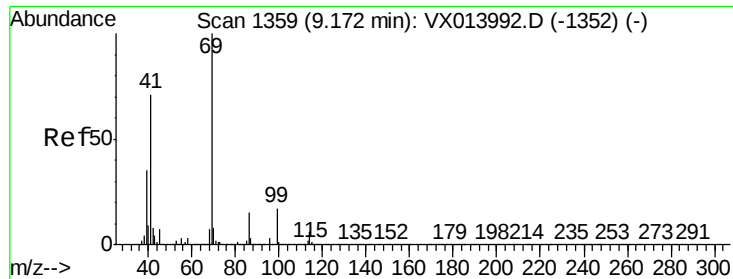
apatel
 12/18/2019 11:05:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.361 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.1	102.1
85	54.8	42.7	64.1
99	60.2	50.3	75.5





#51

Ethyl methacrylate

Concen: 18.827 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

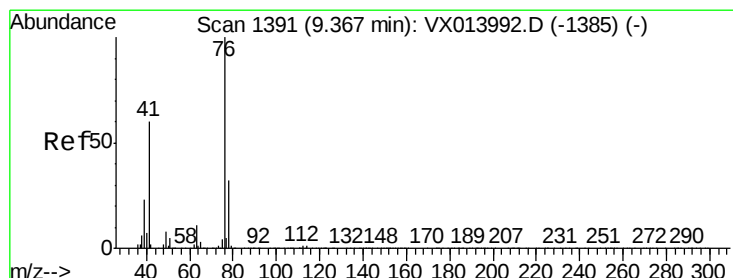
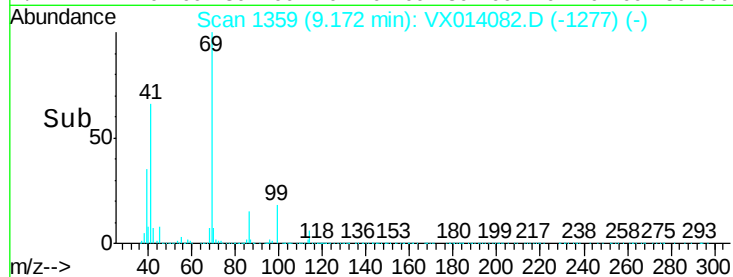
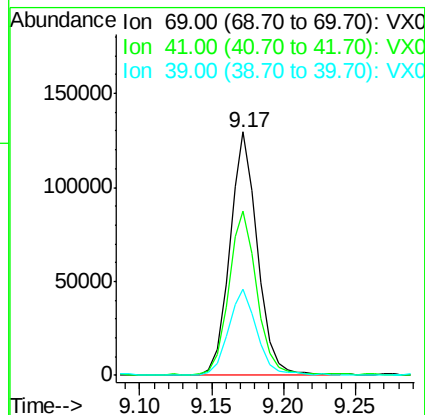
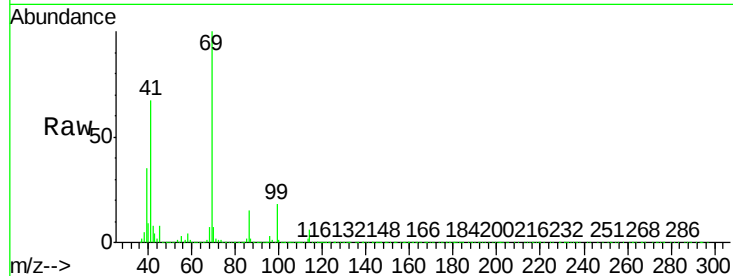
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	173605
Ion Ratio	Lower	Upper	
69	100		
41	67.2	35.4	106.1
39	35.2	17.8	53.3

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#52

1,3-Dichloropropane

Concen: 19.732 ug/l

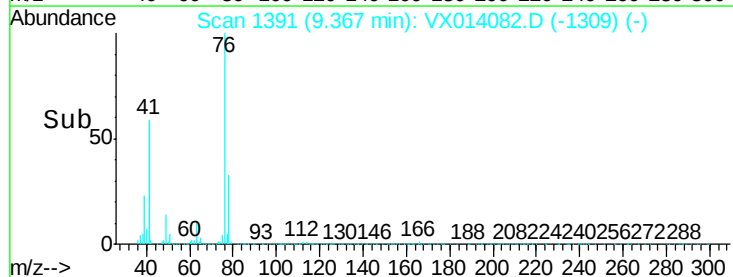
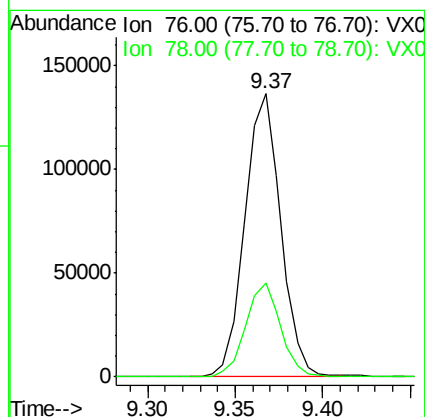
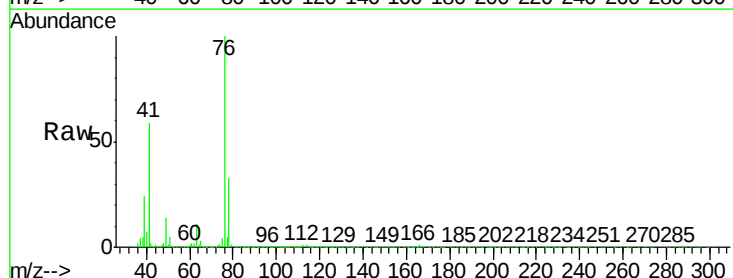
RT: 9.37 min Scan# 1391

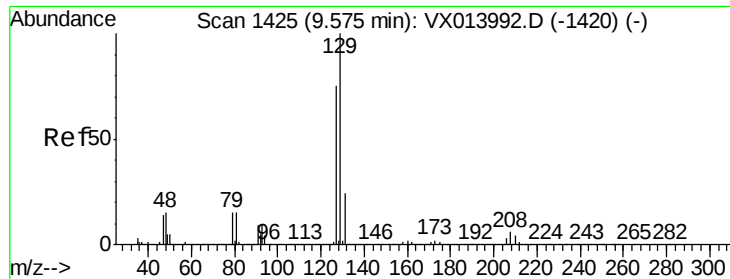
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	76	Resp:	194345
Ion Ratio	Lower	Upper	
76	100		
78	31.8	0.0	63.4





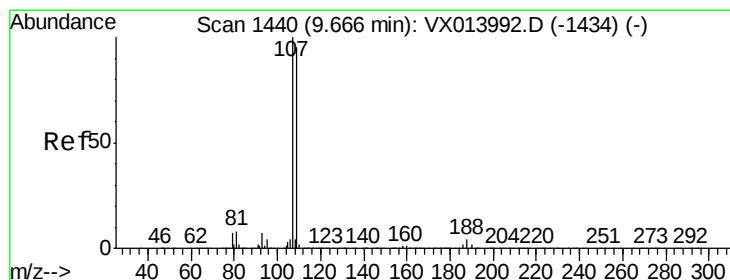
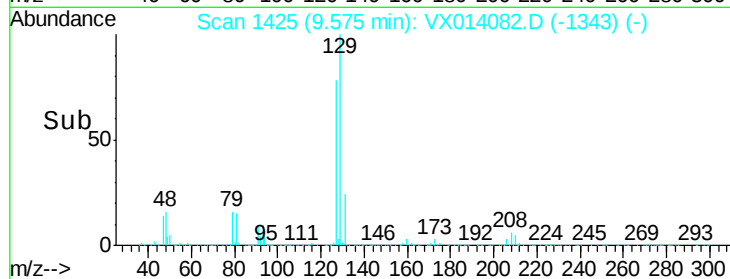
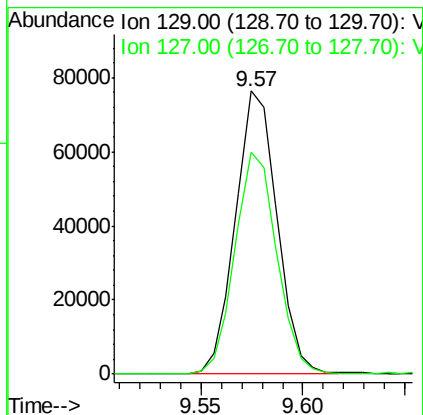
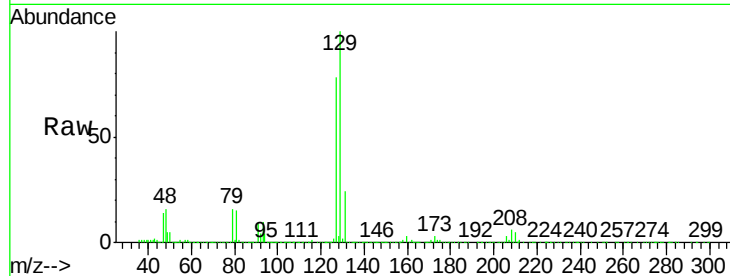
#53
Dibromochloromethane
Concen: 18.489 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.1	117.5

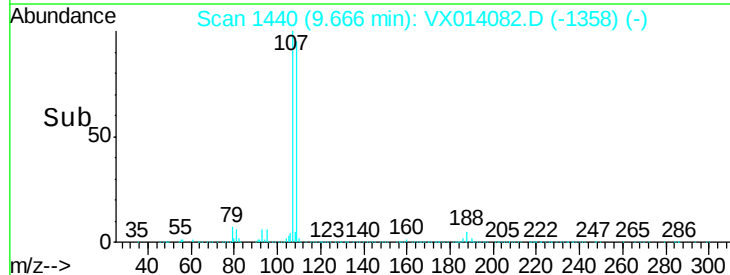
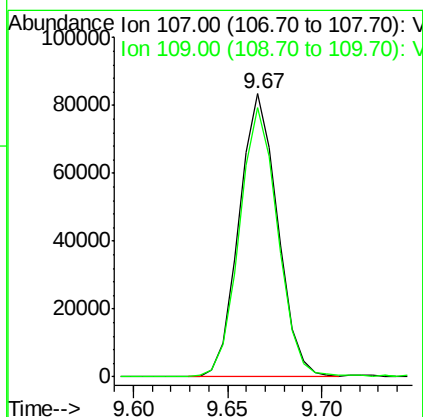
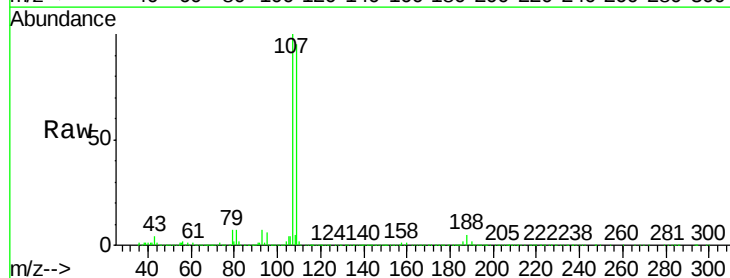
Manual Integrations
APPROVED

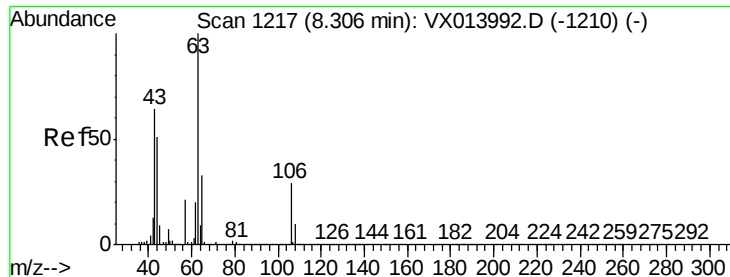
apatel
12/18/2019 11:05:39 AM



#54
1,2-Dibromoethane
Concen: 19.808 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.2	115.8





#55

2-Chloroethyl vinyl ether

Concen: 97.530 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

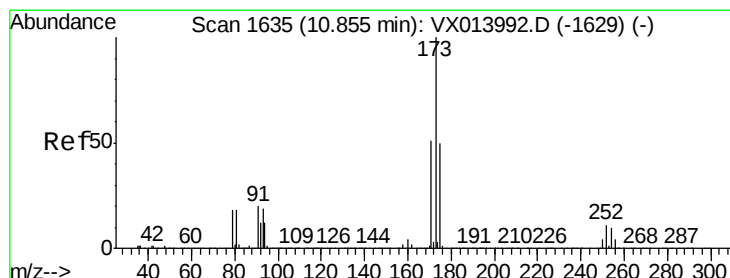
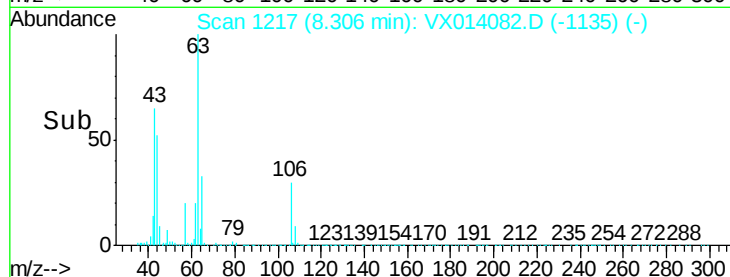
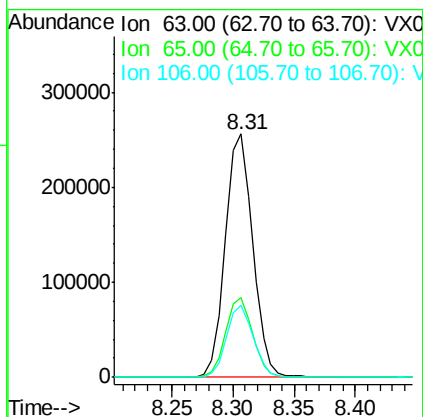
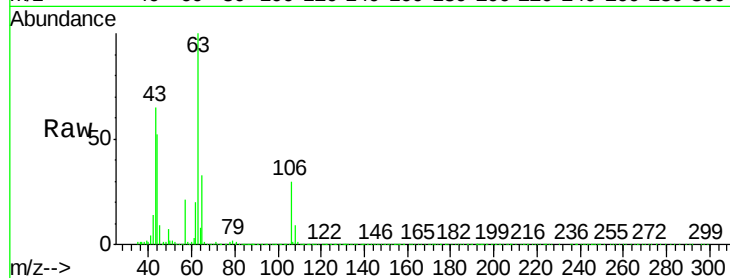
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	396447
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.6
106	28.9	22.9	34.3

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#56

Bromoform

Concen: 17.990 ug/l

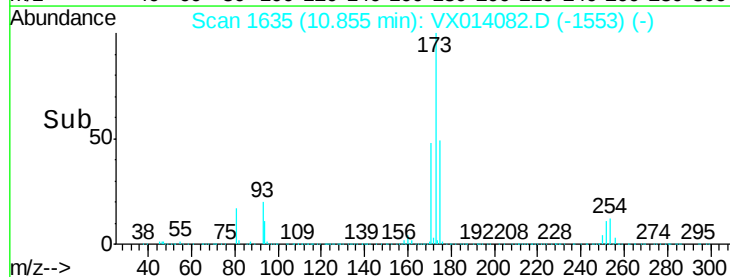
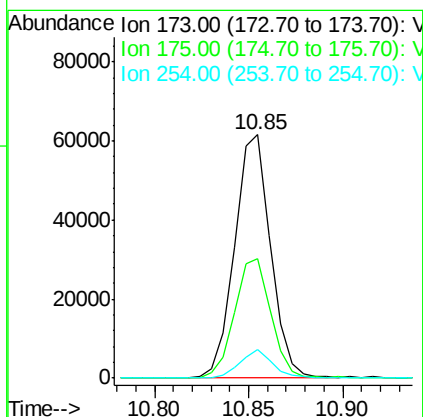
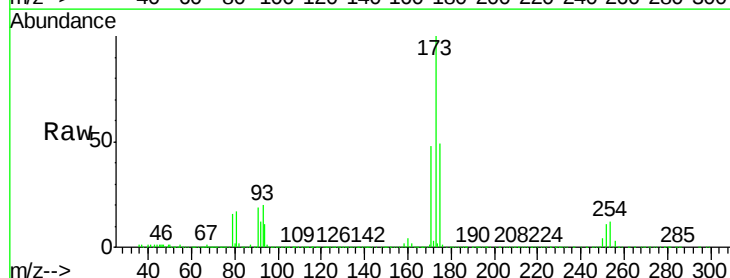
RT: 10.85 min Scan# 1635

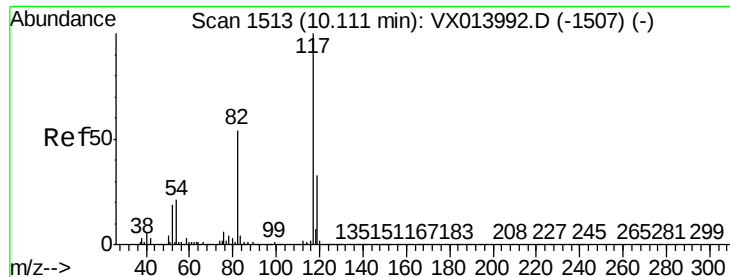
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	173	Resp:	81323
Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.5	59.3
254	10.7	8.2	12.4





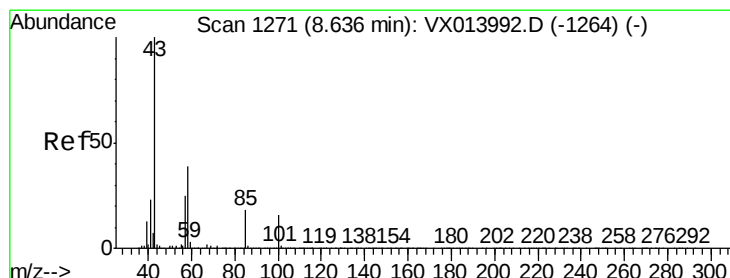
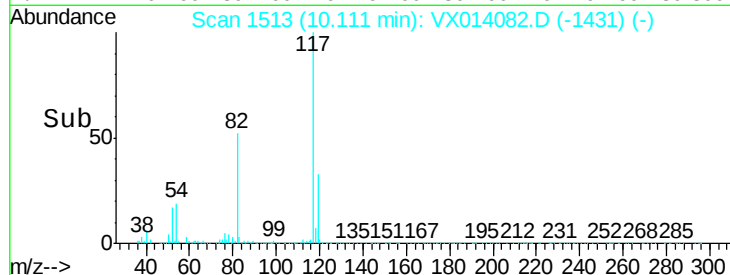
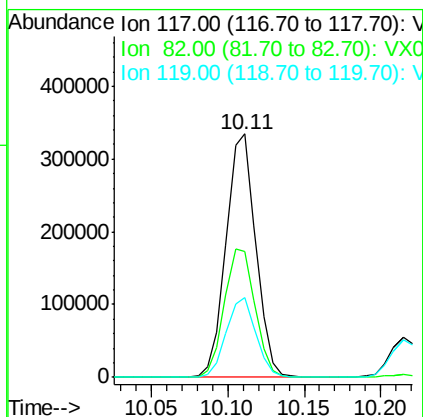
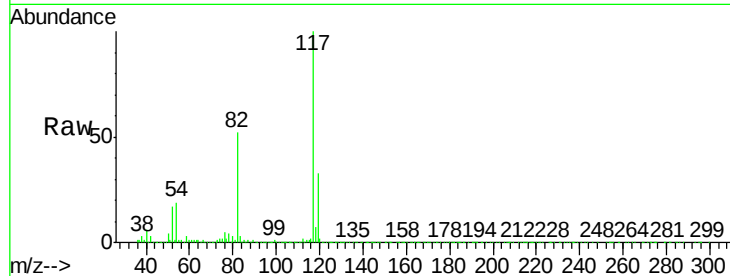
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.8	65.6
119	32.5	25.8	38.6

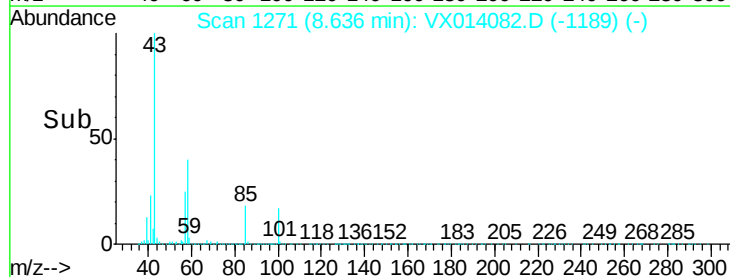
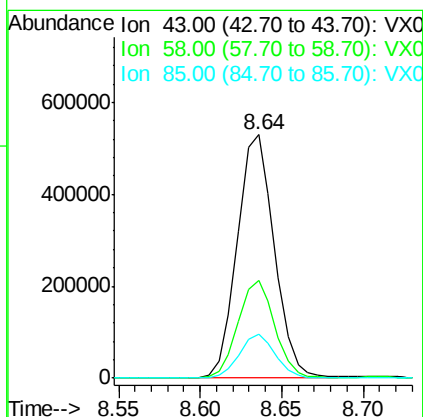
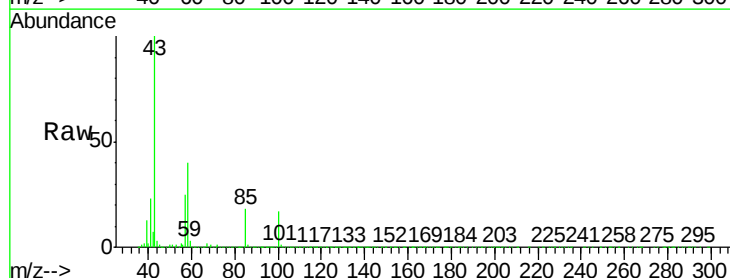
Manual Integrations
APPROVED

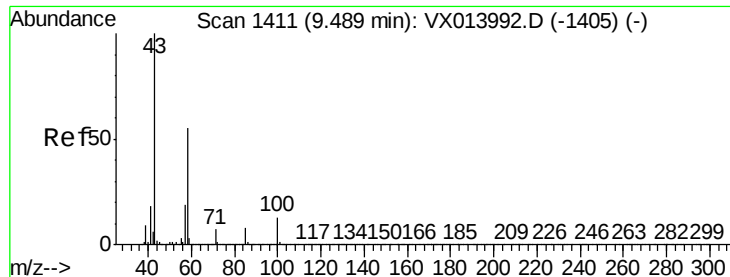
apatel
12/18/2019 11:05:39 AM



#58
4-Methyl-2-Pentanone
Concen: 99.350 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	17.4	14.2	21.2





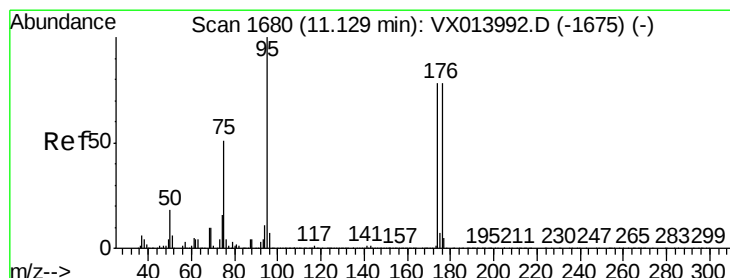
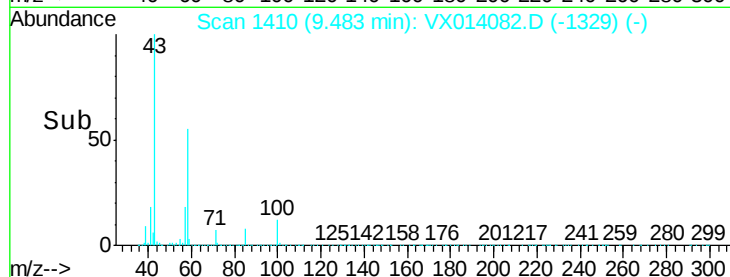
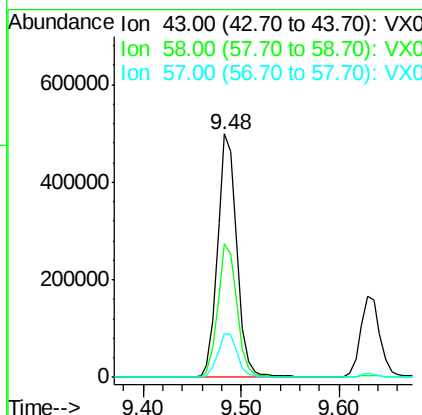
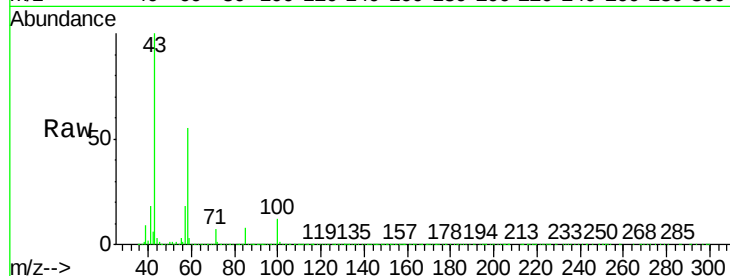
#59
2-Hexanone
Concen: 105.540 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.8	65.6
57	18.6	15.4	23.0

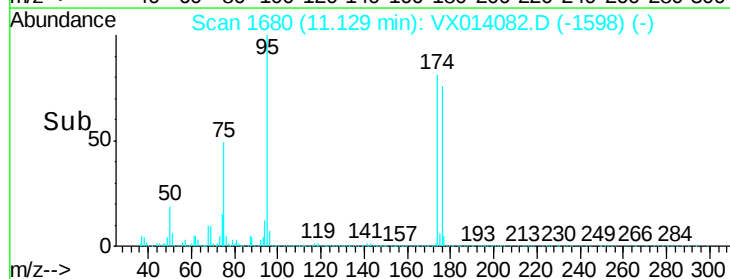
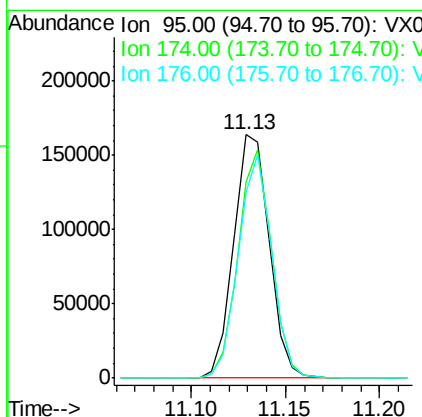
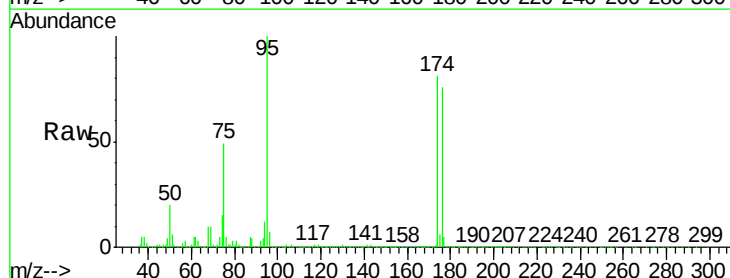
Manual Integrations
APPROVED

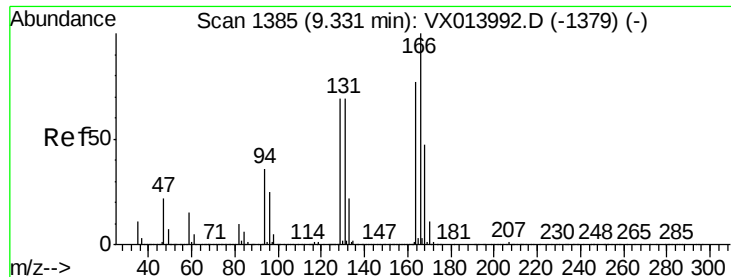
apatel
12/18/2019 11:05:39 AM



#60
4-Bromofluorobenzene
Concen: 29.486 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	70.2	105.2
176	86.1	68.3	102.5





#61

Tetrachloroethene

Concen: 29.511 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

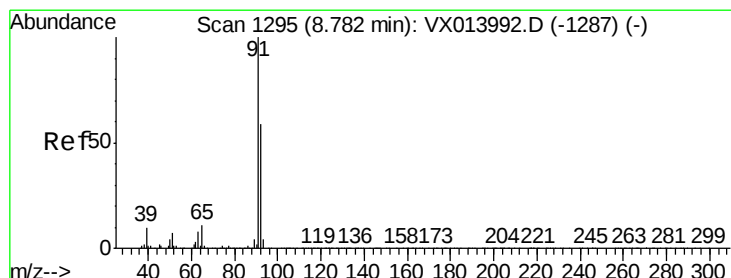
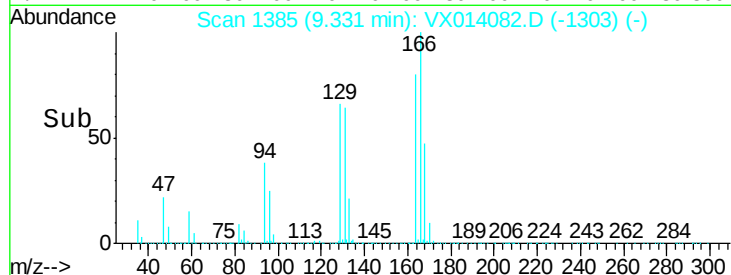
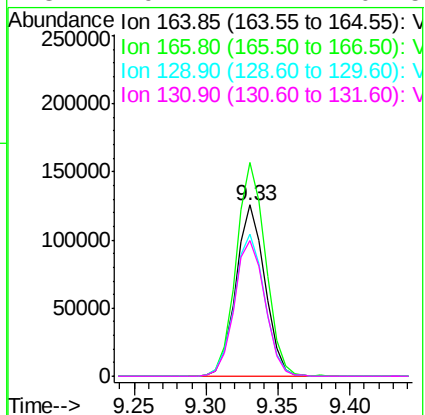
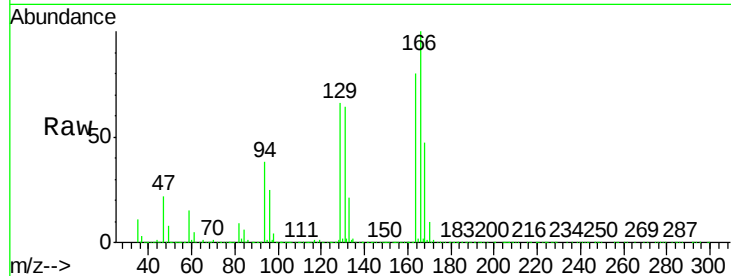
ClientSampleId :

VSTDCCC020EC

Tot Ion:	164	Resp:	176251
Ion Ratio	Lower	Upper	
164	100		
166	124.7	104.2	156.2
129	82.7	71.6	107.4
131	79.4	71.7	107.5

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#62

Toluene

Concen: 19.765 ug/l

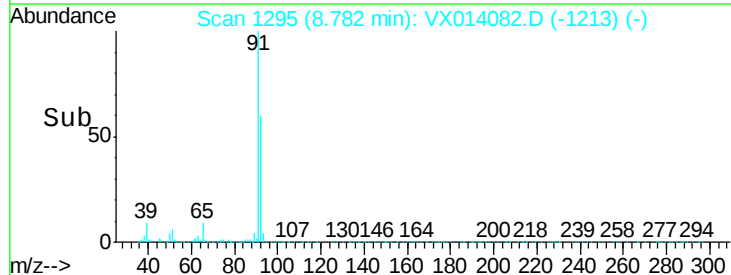
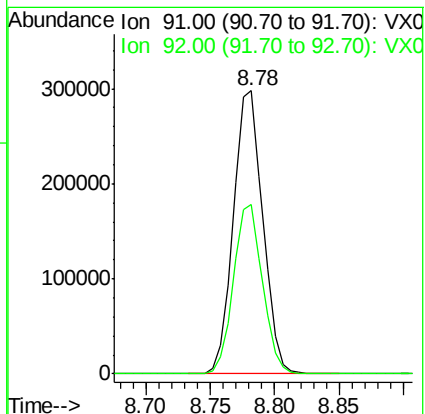
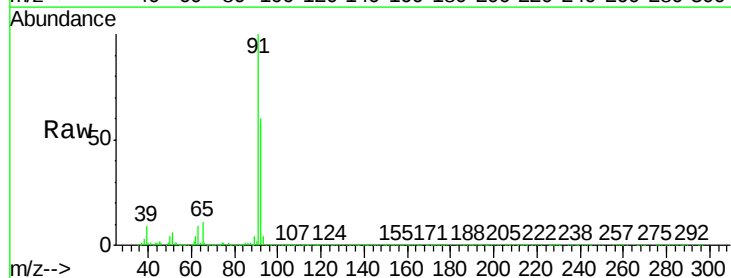
RT: 8.78 min Scan# 1295

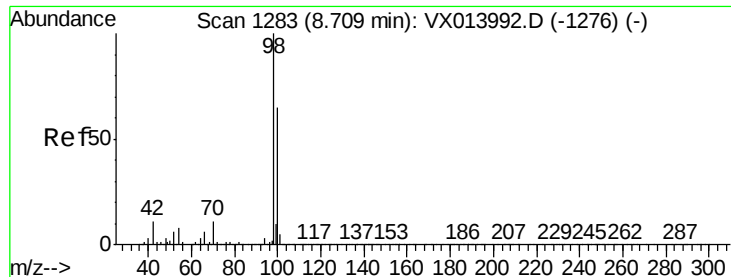
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	91	Resp:	474562
Ion Ratio	Lower	Upper	
91	100		
92	59.1	46.4	69.6





#63

Toluene-d8

Concen: 30.644 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 618378

Ion Ratio Lower Upper

98 100

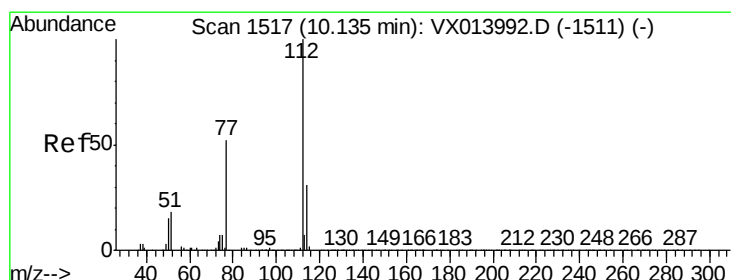
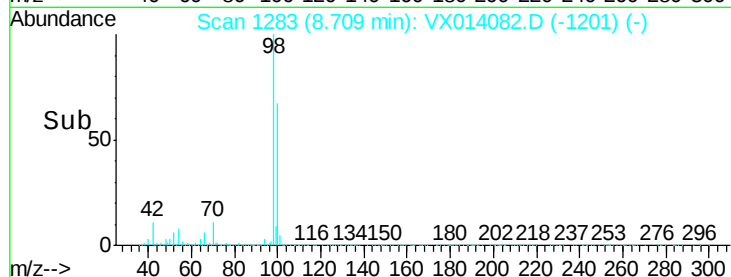
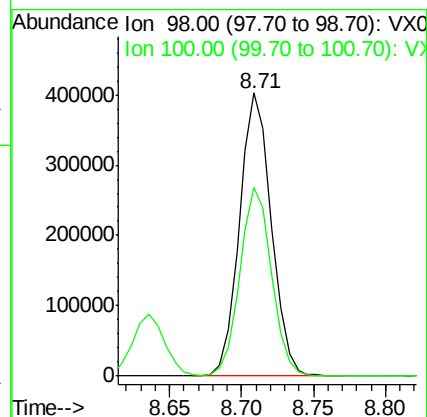
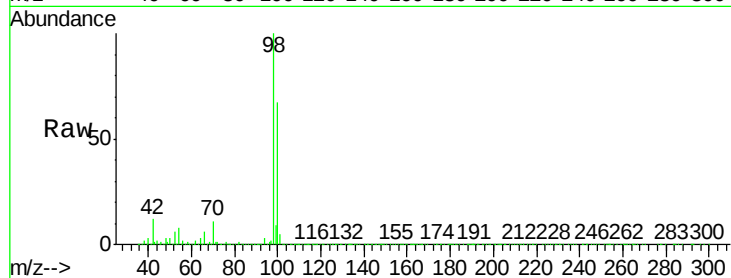
100 65.7 52.2 78.2

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



#64

Chlorobenzene

Concen: 19.530 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014082.D

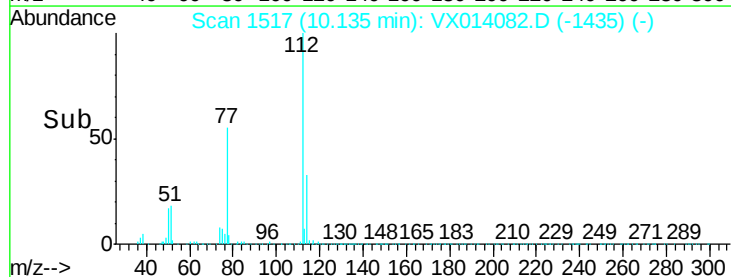
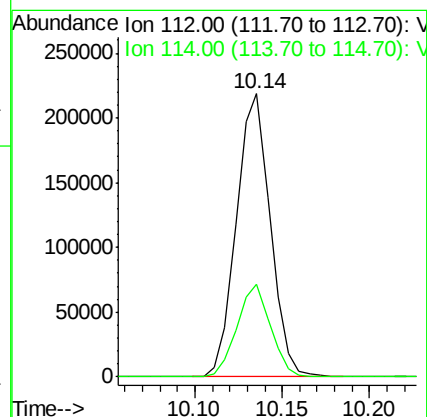
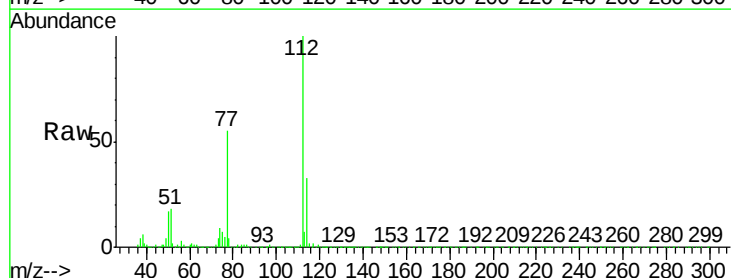
Acq: 18 Dec 2019 04:57

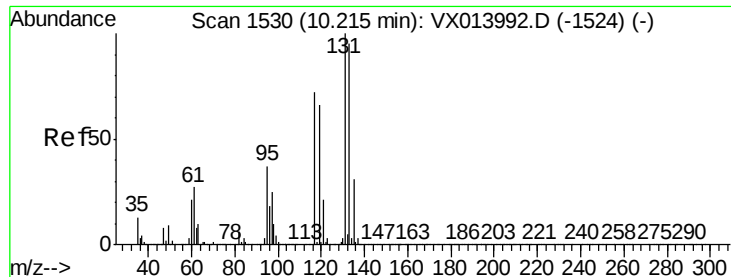
Tgt Ion: 112 Resp: 293787

Ion Ratio Lower Upper

112 100

114 32.5 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 18.919 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

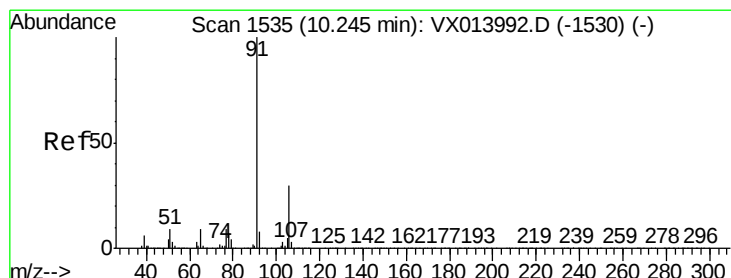
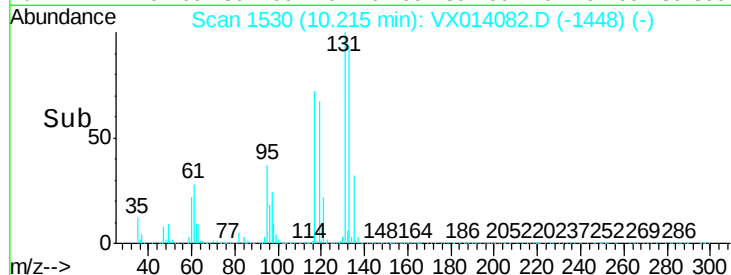
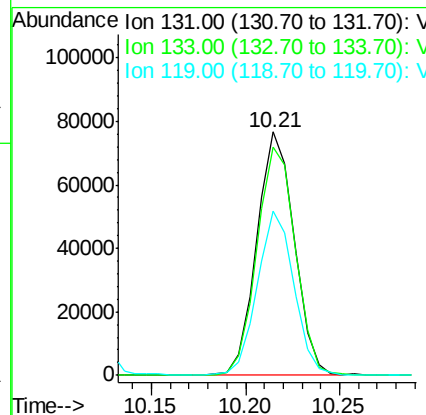
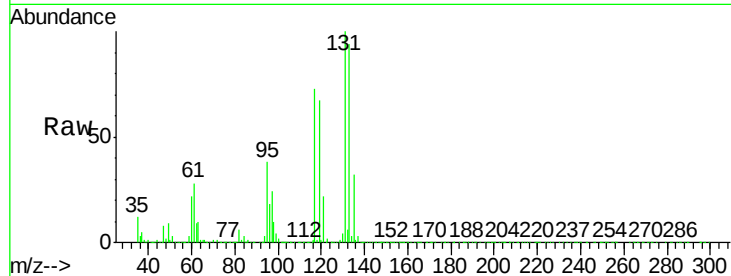
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	105381
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	189.8
119	65.5	0.0	132.2

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#66

Ethyl Benzene

Concen: 19.448 ug/l

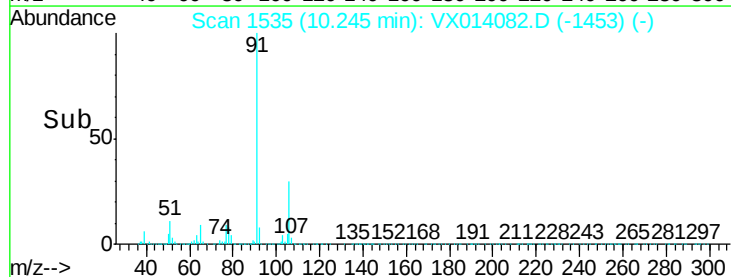
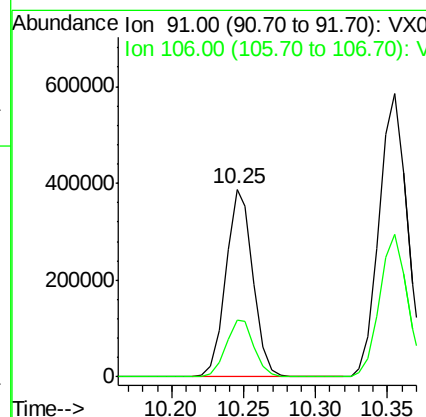
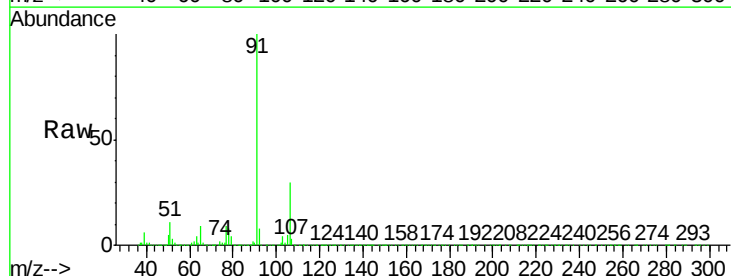
RT: 10.25 min Scan# 1535

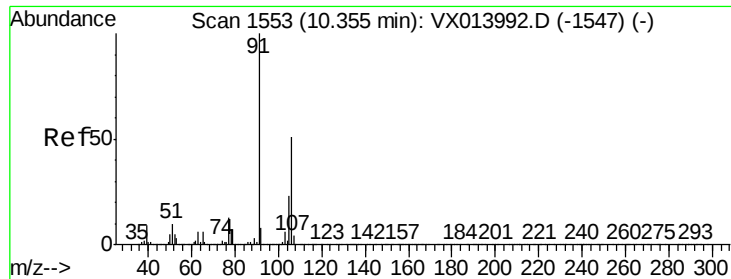
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	91	Resp:	511021
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.2	36.2





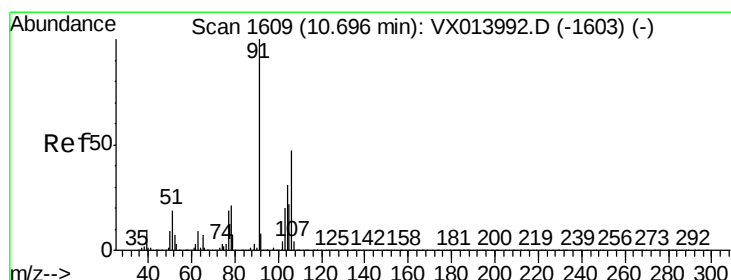
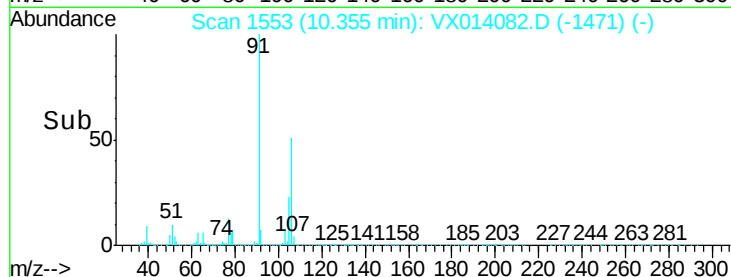
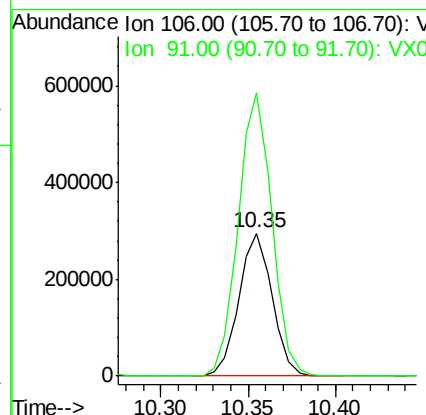
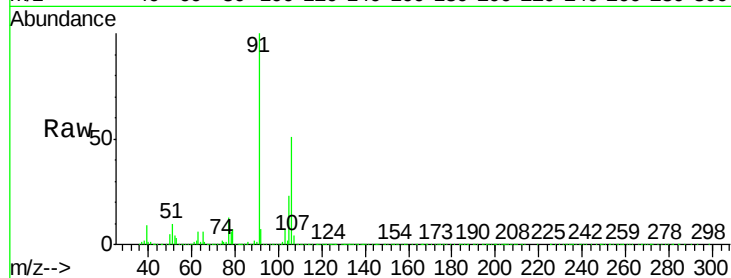
#67
m/p-Xvlenes
Concen: 38.811 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 389848
Ion Ratio Lower Upper
106 100
91 201.5 159.3 238.9

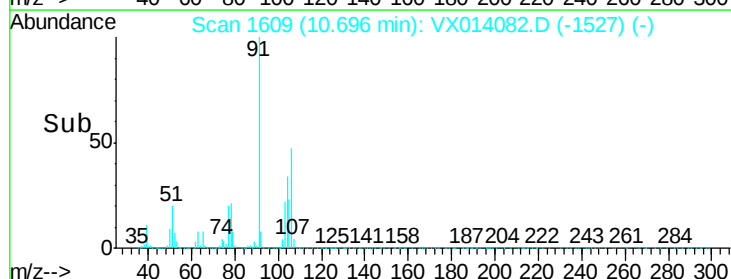
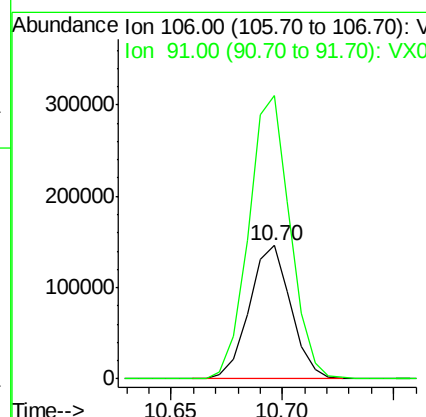
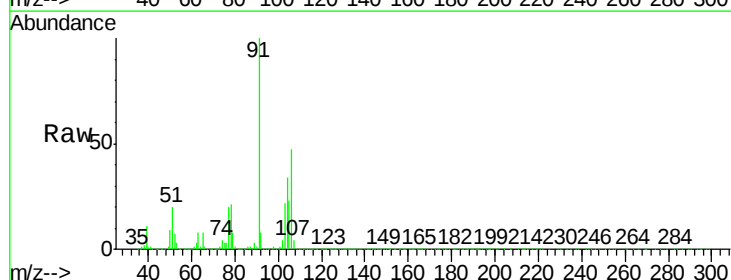
Manual Integrations
APPROVED

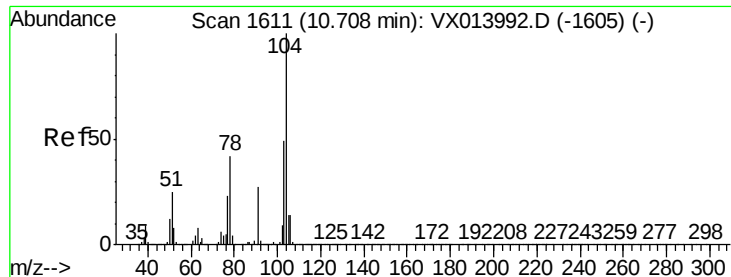
apatel
12/18/2019 11:05:39 AM



#68
o-Xylene
Concen: 18.966 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion:106 Resp: 188730
Ion Ratio Lower Upper
106 100
91 212.5 104.8 314.6





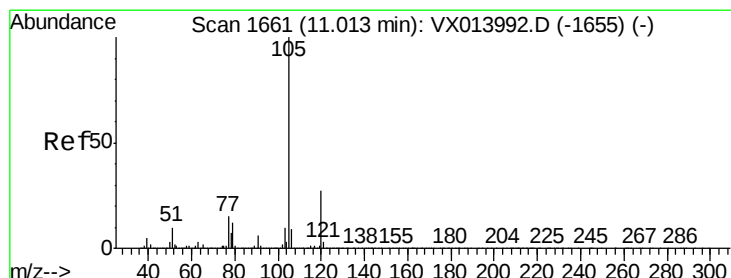
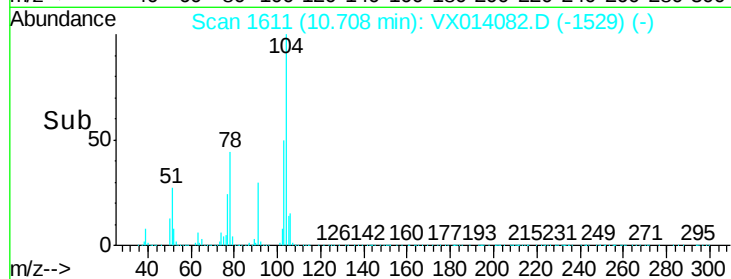
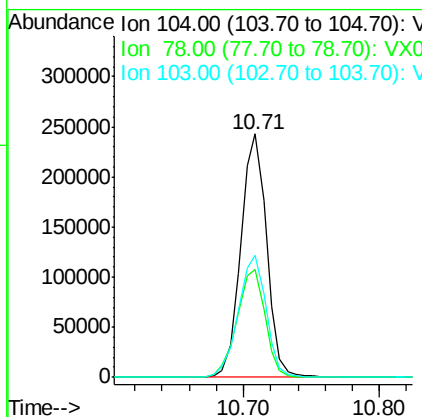
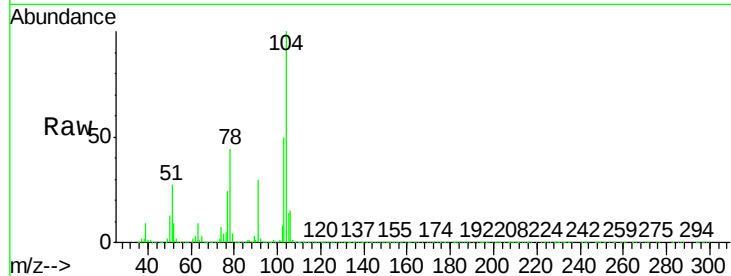
#69
Stvrene
Concen: 18.958 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.9	58.3
103	54.2	44.2	66.2

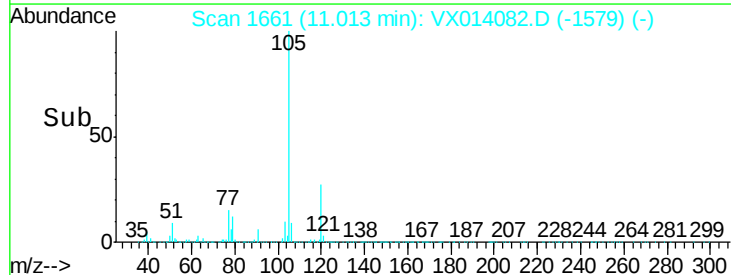
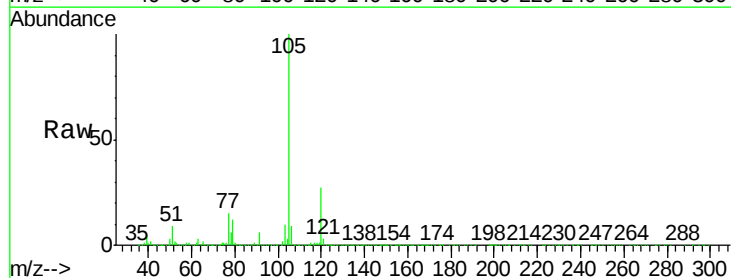
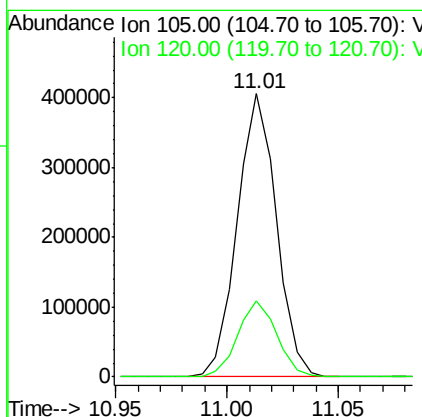
Manual Integrations
APPROVED

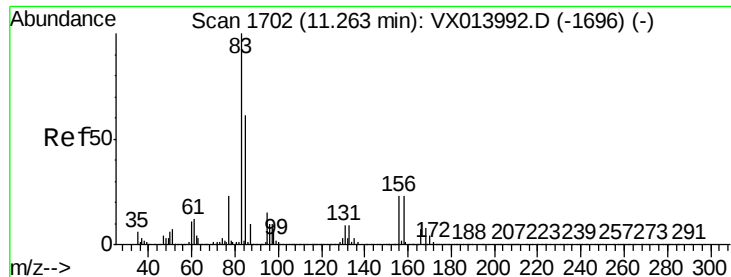
apatel
12/18/2019 11:05:39 AM



#70
Isopropylbenzene
Concen: 19.300 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 15.330 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

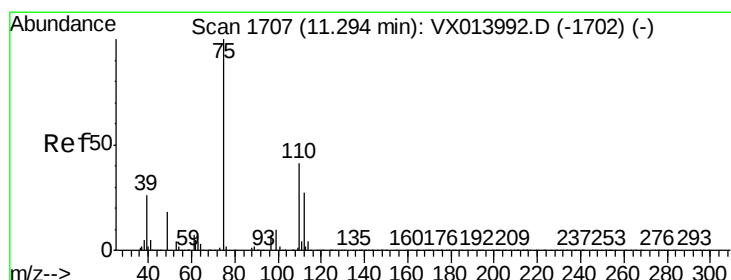
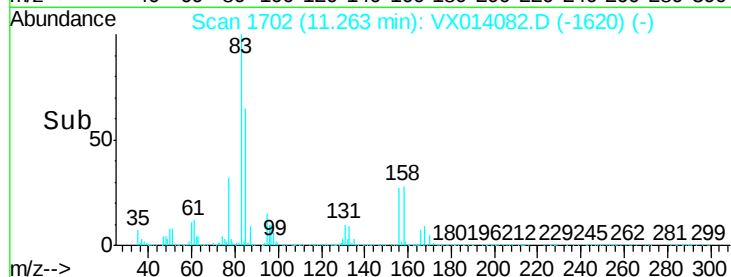
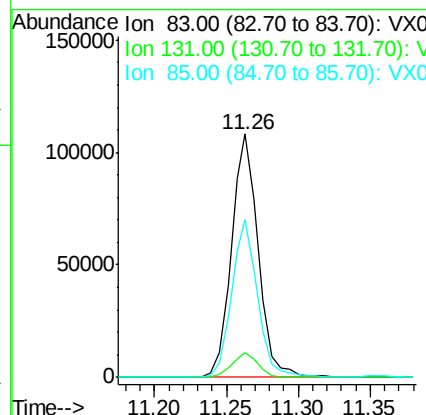
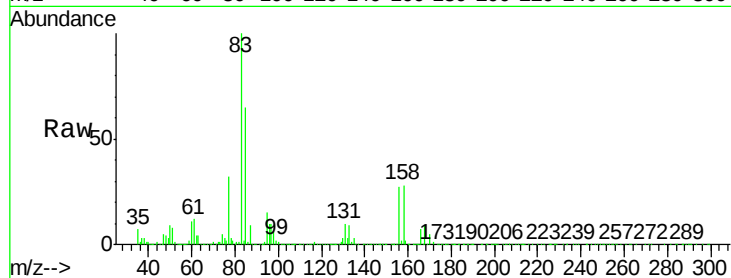
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	139797
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.2	31.6	94.7

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#72

1,2,3-Trichloropropane

Concen: 19.772 ug/l m

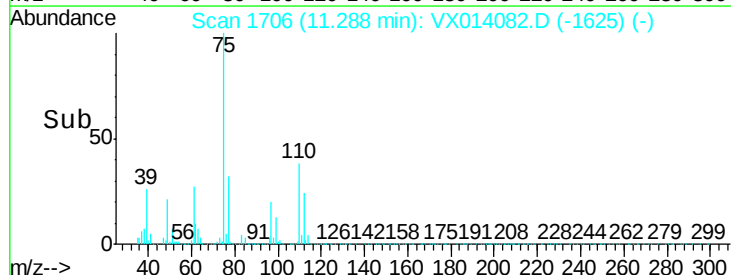
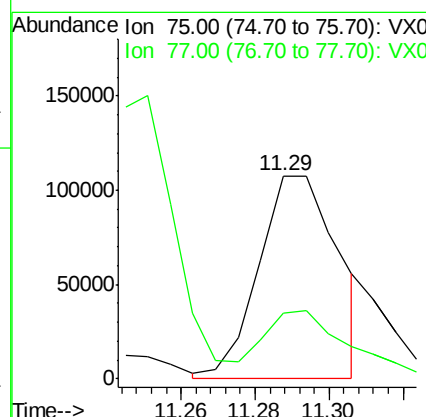
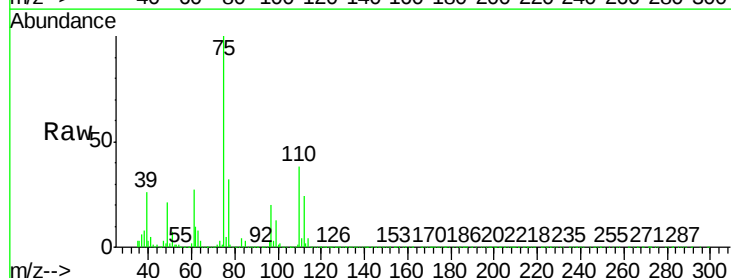
RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	75	Resp:	160491
Ion Ratio	Lower	Upper	
75	100		
77	33.8	0.0	68.4





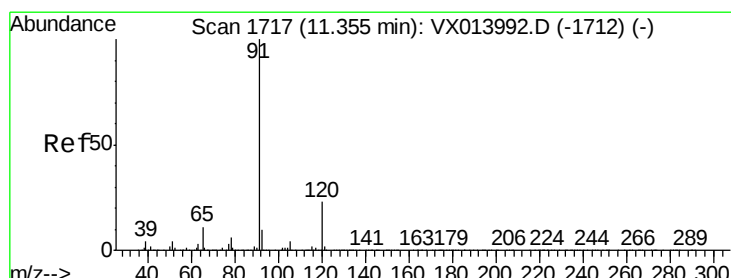
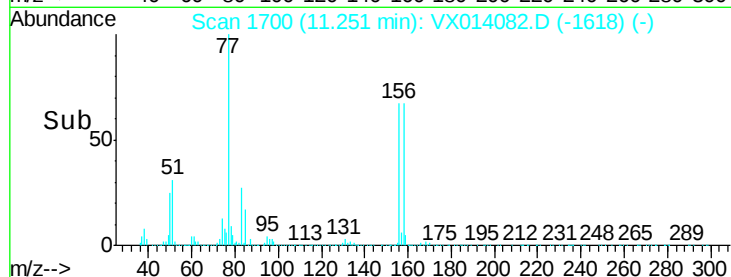
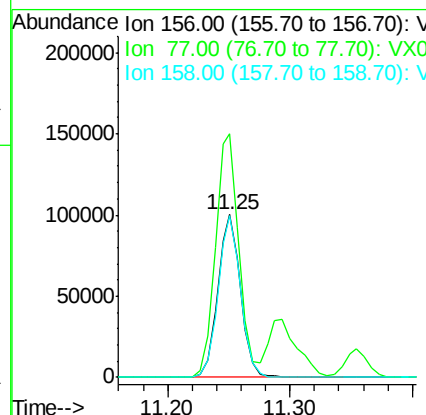
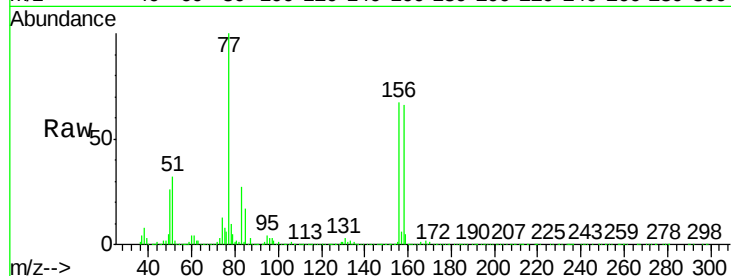
#73
Bromobenzene
Concen: 18.840 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
156	100	129327		
77	155.2	0.0	304.6	
158	98.0	0.0	195.2	

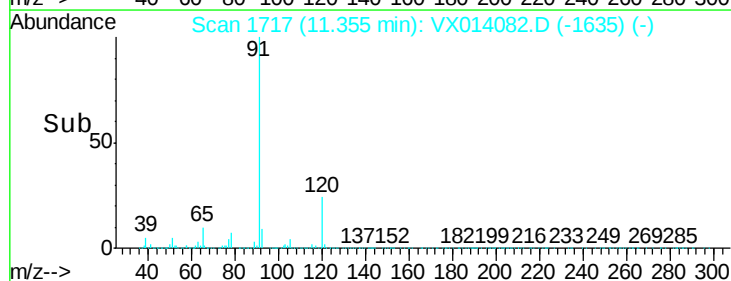
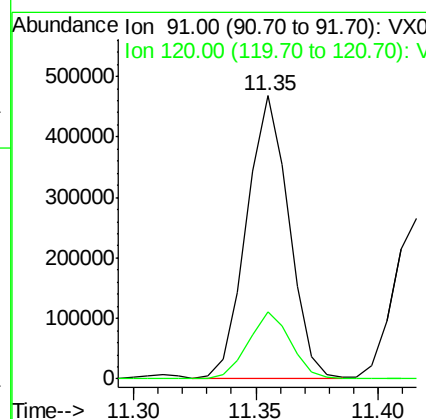
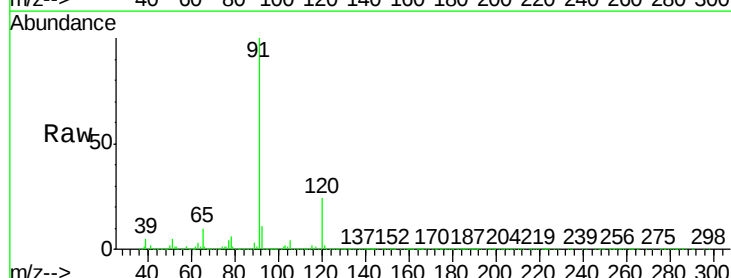
Manual Integrations
APPROVED

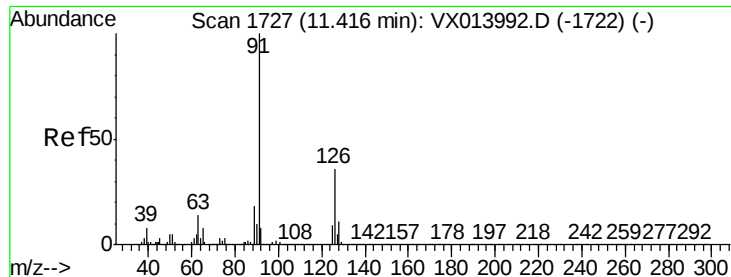
apatel
12/18/2019 11:05:39 AM



#74
n-propylbenzene
Concen: 19.294 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	562735		
120	23.5	0.0	44.8	





#75

2-Chlorotoluene

Concen: 19.090 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 336426

Ion Ratio Lower Upper

91 100

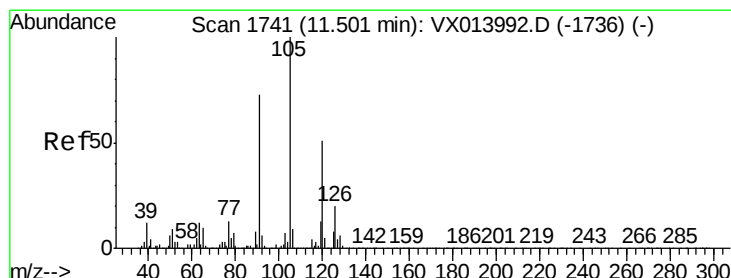
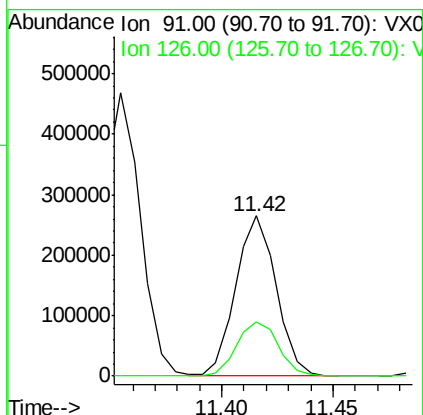
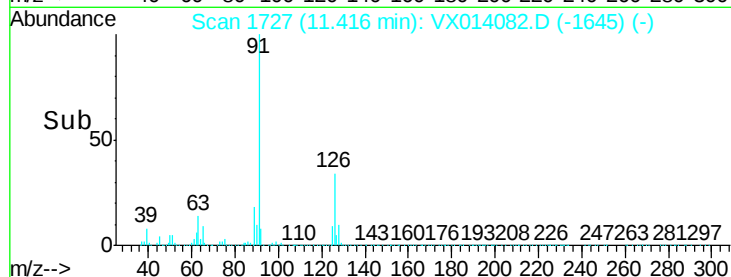
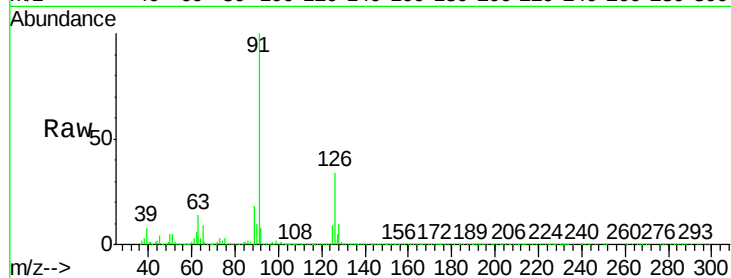
126 34.9 0.0 70.8

Manual Integrations

APPROVED

apatel

12/18/2019 11:05:39 AM



#76

1,3,5-Trimethylbenzene

Concen: 18.815 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014082.D

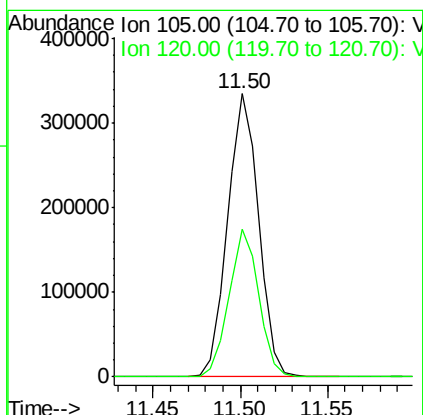
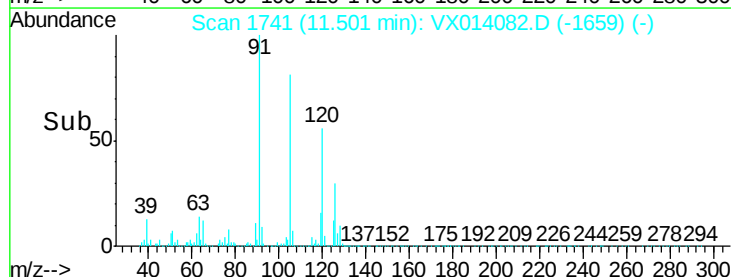
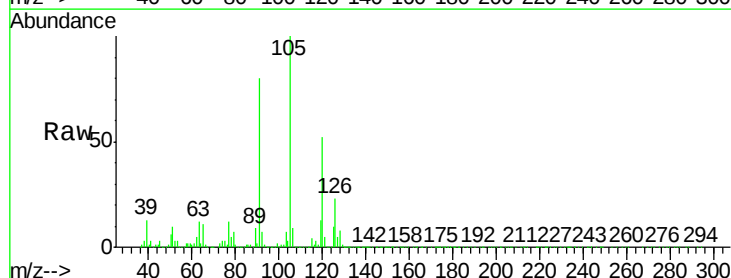
Acq: 18 Dec 2019 04:57

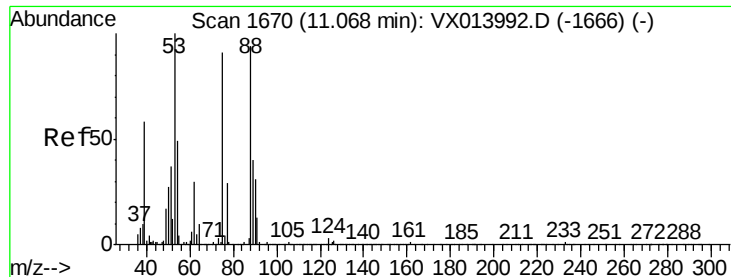
Tgt Ion: 105 Resp: 410431

Ion Ratio Lower Upper

105 100

120 50.3 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 16.961 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

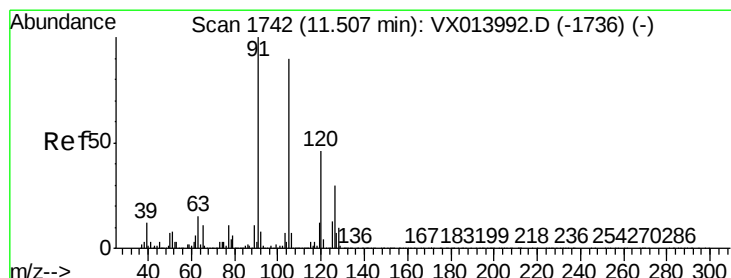
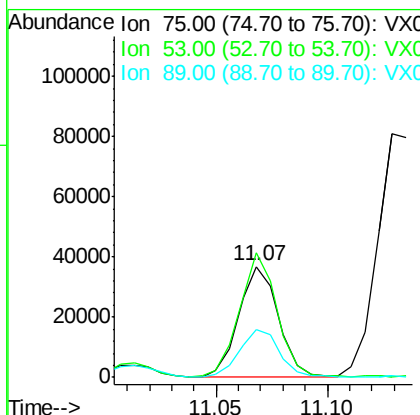
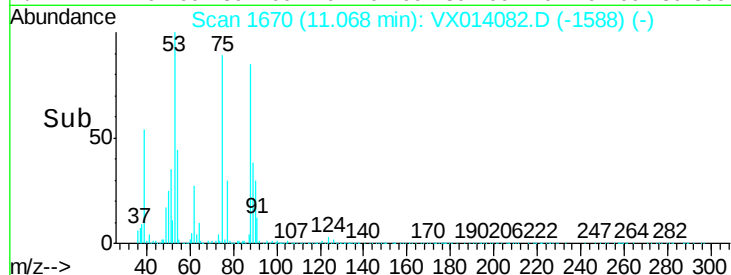
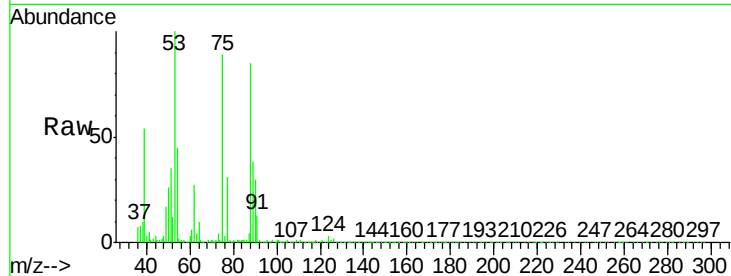
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	45465
Ion Ratio	Lower	Upper	
75	100		
53	112.1	54.4	163.1
89	43.1	21.9	65.5

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#78

4-Chlorotoluene

Concen: 18.932 ug/l

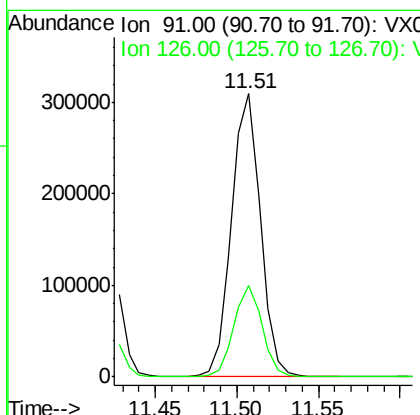
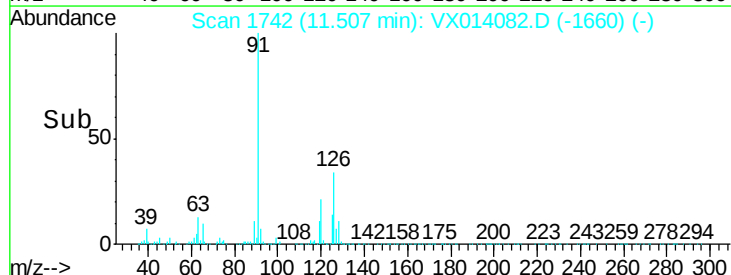
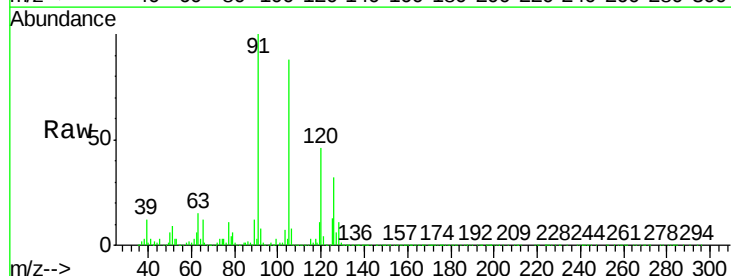
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	91	Resp:	381247
Ion Ratio	Lower	Upper	
91	100		
126	31.5	0.0	59.6





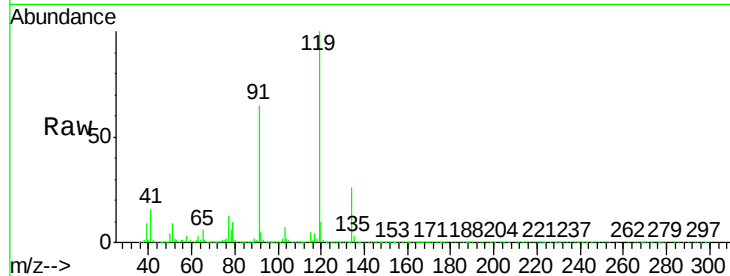
#79
tert-butylbenzene
Concen: 16.341 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

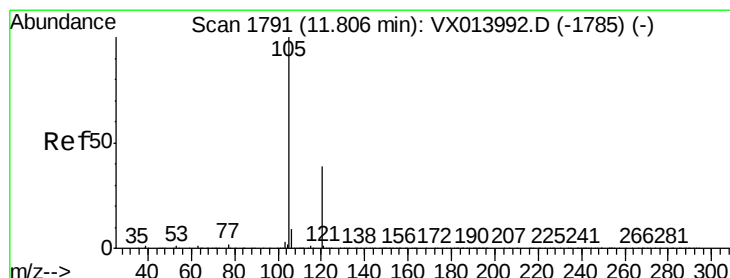
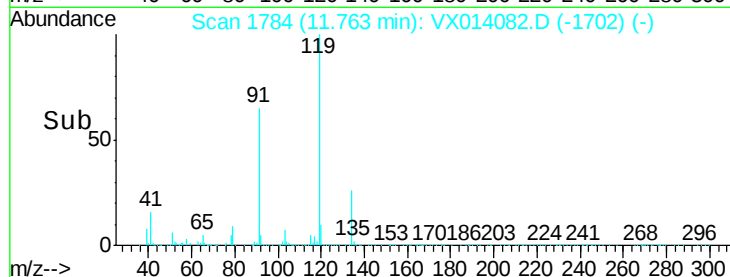
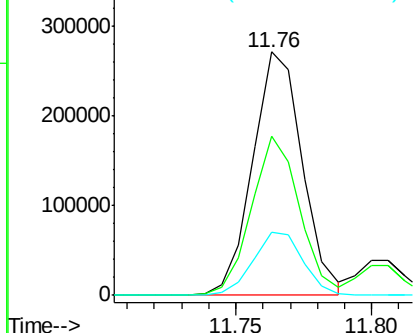
Tot Ion	Ratio	Resp	Lower	Upper
119	100	343578		
91	63.4	0.0	112.6	
134	26.0	0.0	49.8	

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM

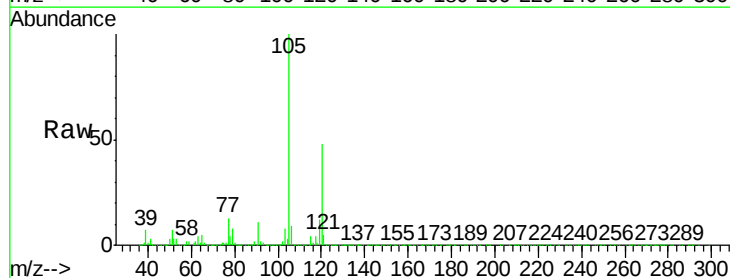


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

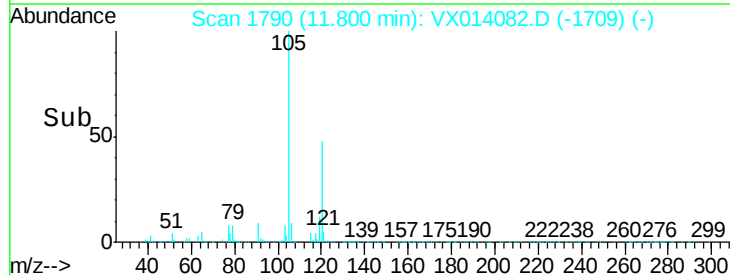
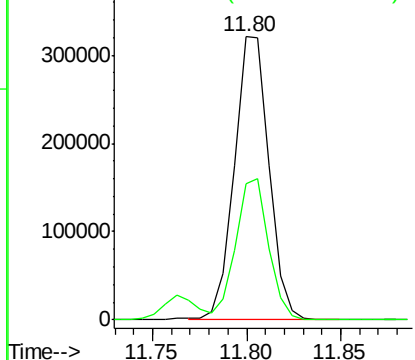


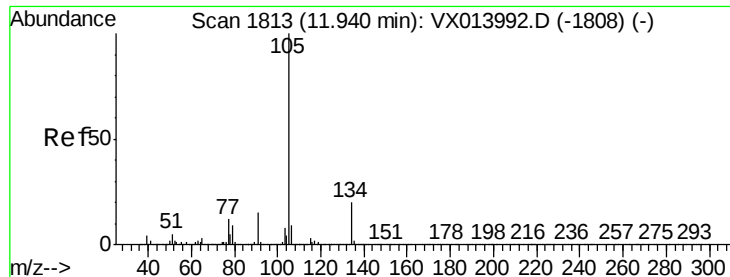
#80
1,2,4-Trimethylbenzene
Concen: 18.733 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	408595		
120	47.2	0.0	92.0	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





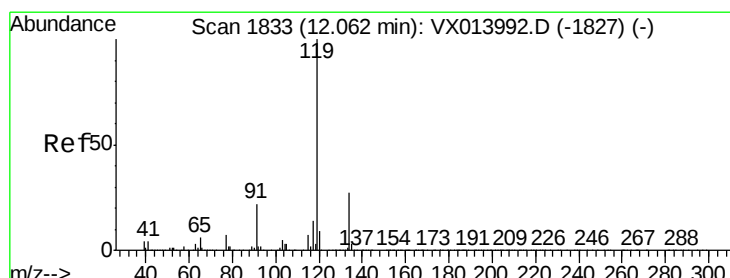
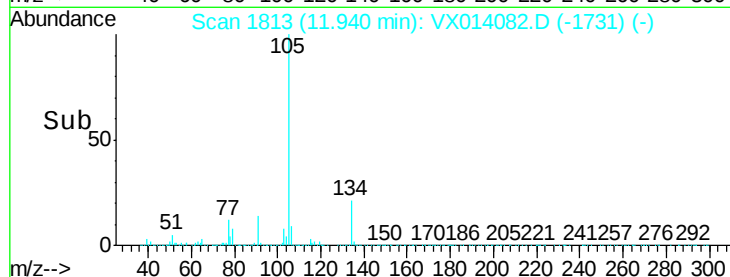
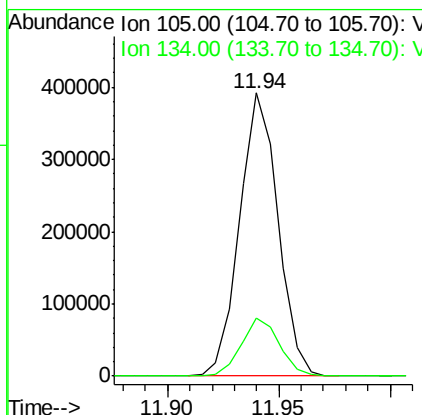
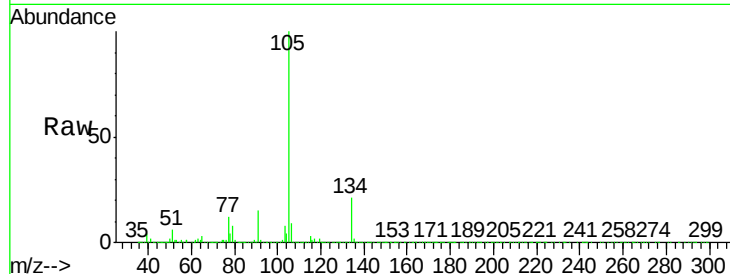
#81
 sec-Butylbenzene
 Concen: 18.859 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.2

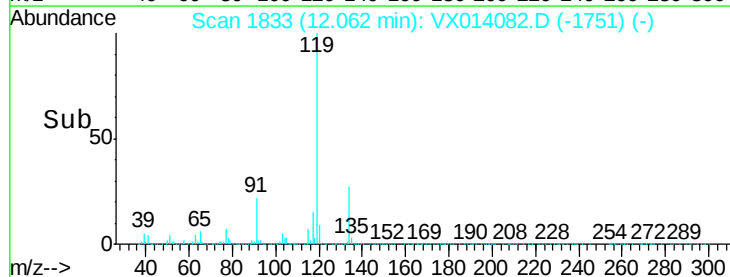
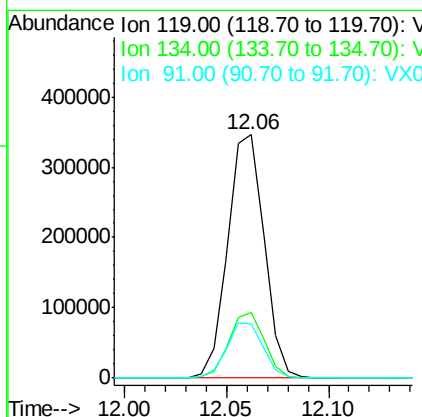
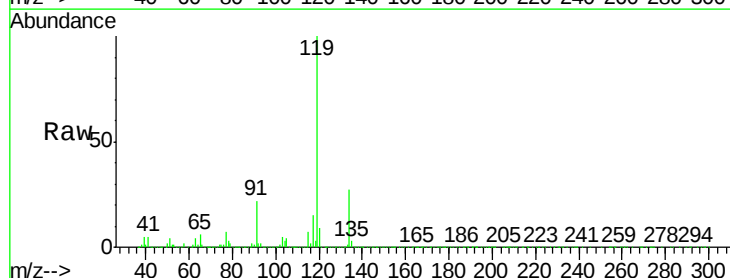
Manual Integrations
 APPROVED

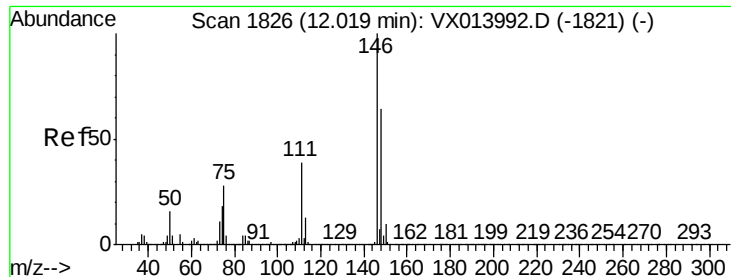
apatel
 12/18/2019 11:05:39 AM



#82
 p-Isopropyltoluene
 Concen: 18.857 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.8
91	22.6	0.0	45.0





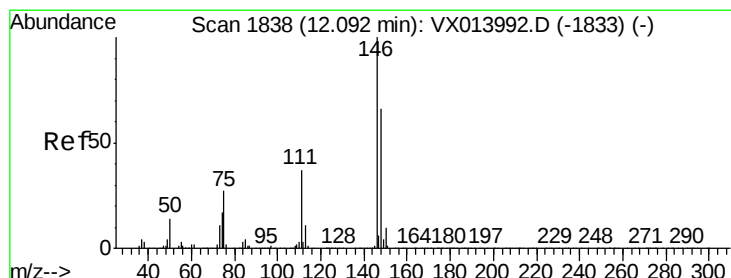
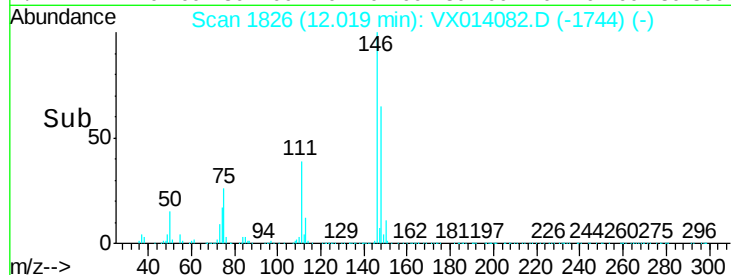
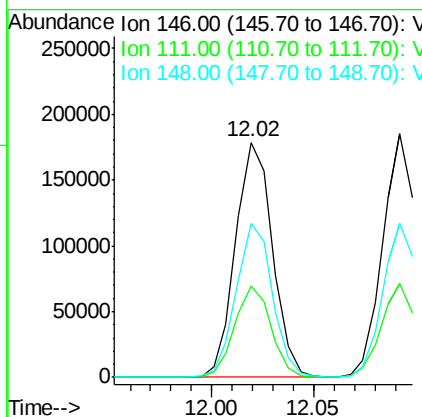
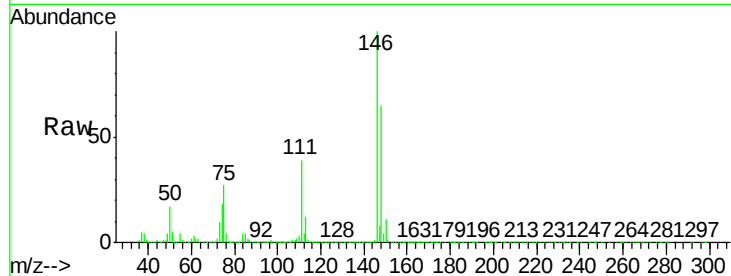
#83
 1,3-Dichlorobenzene
 Concen: 18.710 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.8	32.2	96.6

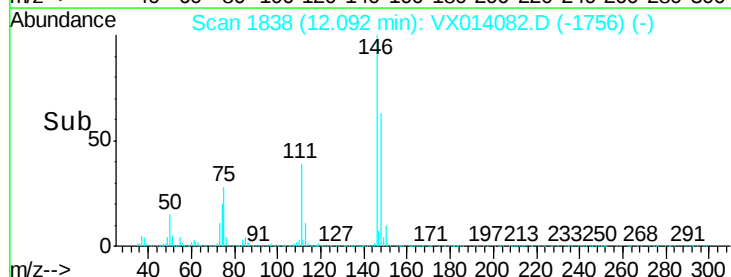
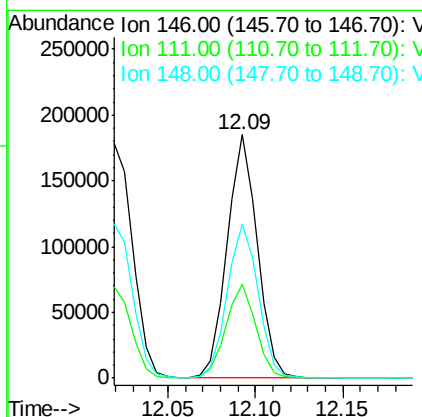
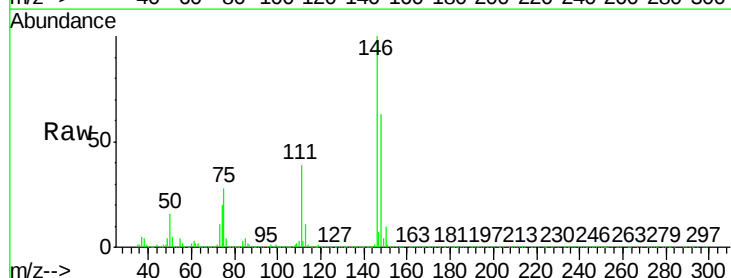
Manual Integrations
 APPROVED

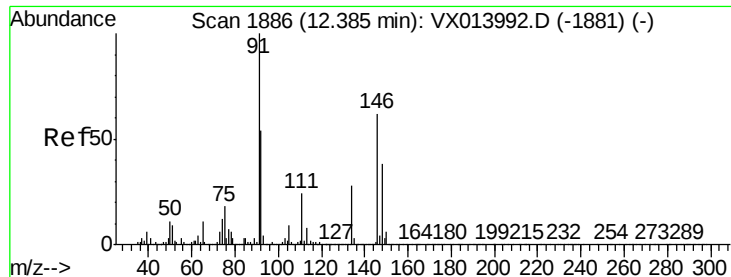
apatel
 12/18/2019 11:05:39 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.581 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.4	55.4
148	65.2	32.0	96.0





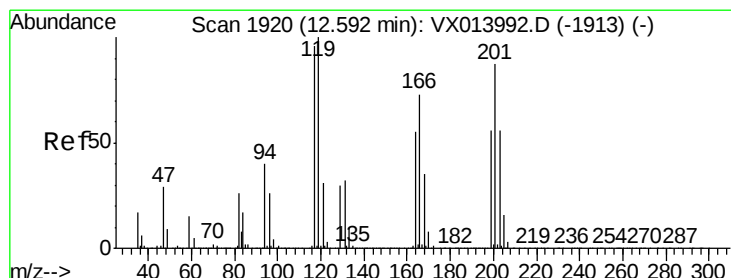
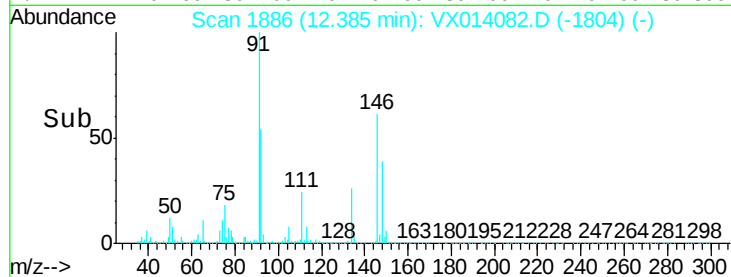
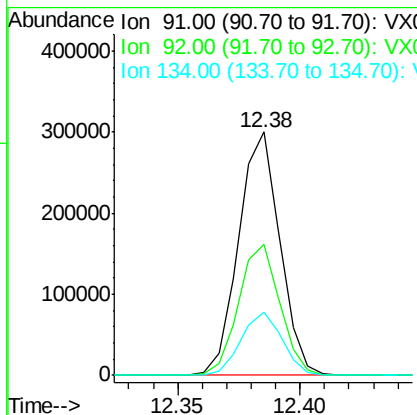
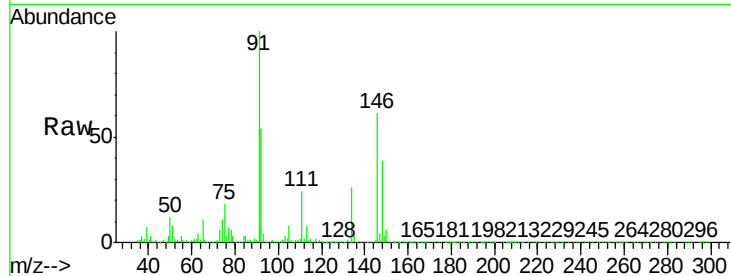
#85
n-Butylbenzene
Concen: 18.605 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7	0.0	109.0	
134	26.1	0.0	54.0	

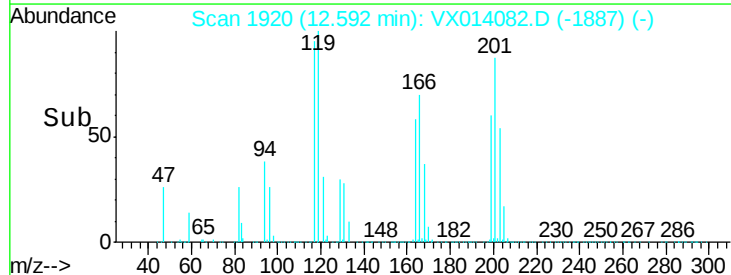
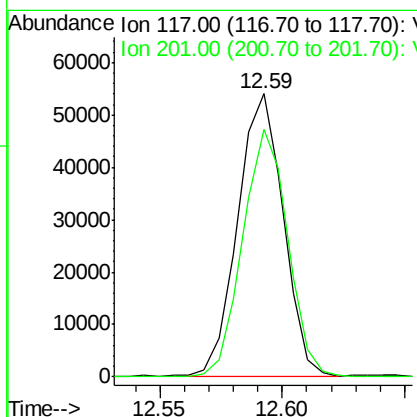
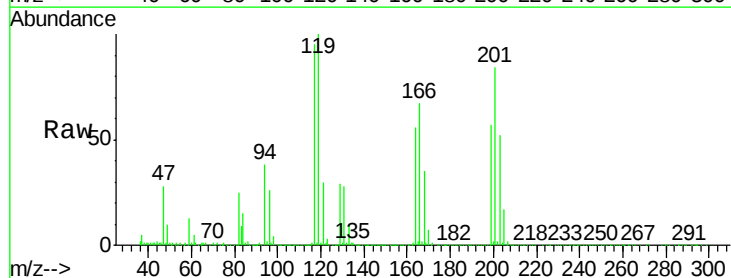
Manual Integrations
APPROVED

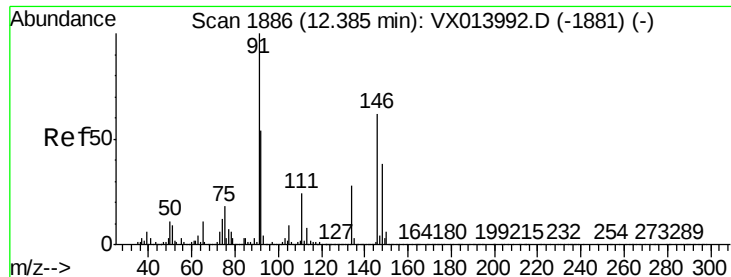
apatel
12/18/2019 11:05:39 AM



#86
Hexachloroethane
Concen: 17.013 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.1	44.8	134.3	





#87

1,2-Dichlorobenzene

Concen: 18.710 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Instrument :

MSVOA_X

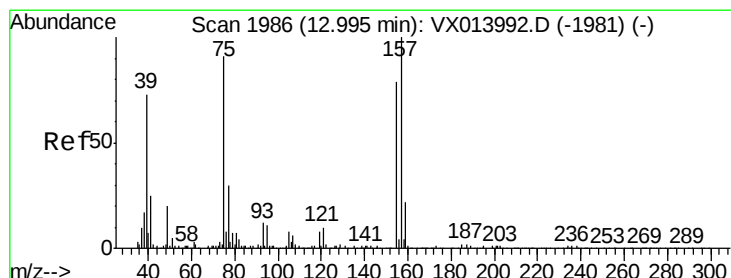
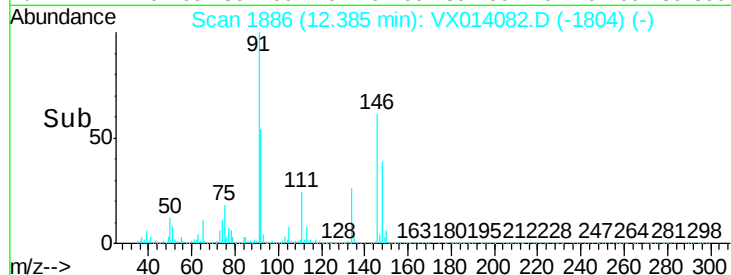
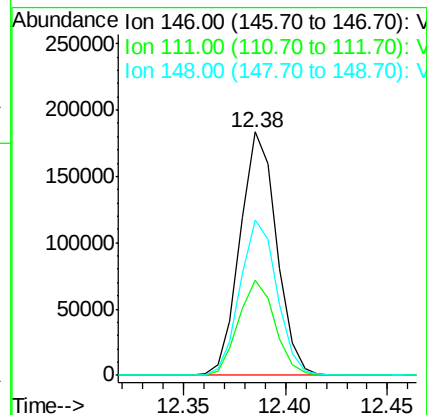
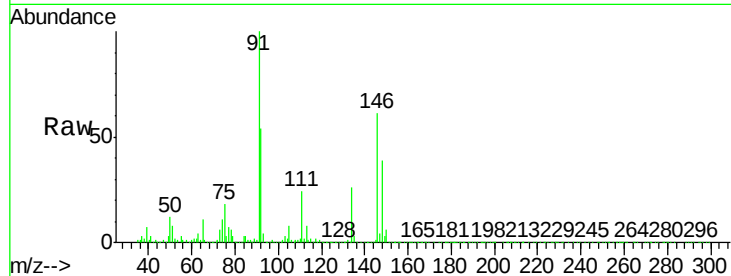
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	227379
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.1	60.2
148	64.8	32.0	96.2

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.528 ug/l

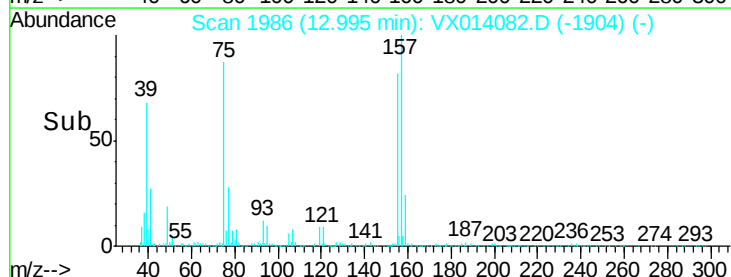
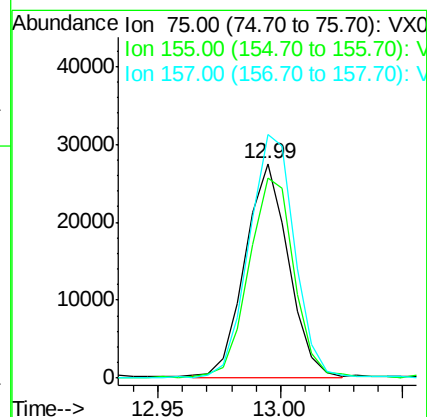
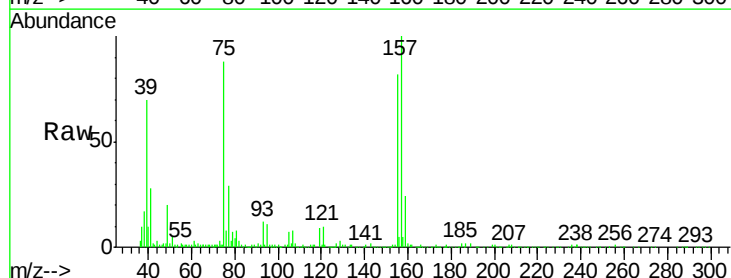
RT: 12.99 min Scan# 1886

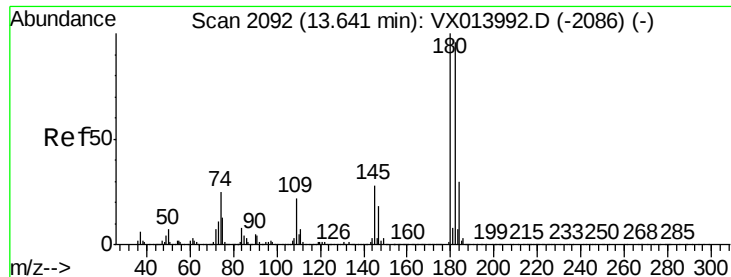
Delta R.T. -0.00 min

Lab File: VX014082.D

Acq: 18 Dec 2019 04:57

Tgt Ion:	75	Resp:	33676
Ion Ratio	Lower	Upper	
75	100		
155	98.9	73.8	110.6
157	120.2	95.0	142.4





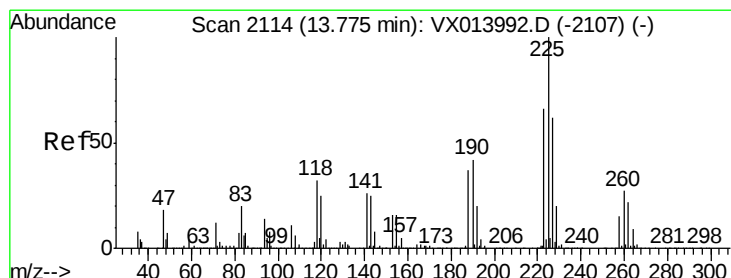
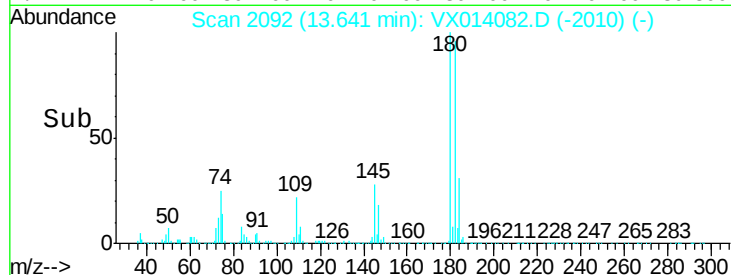
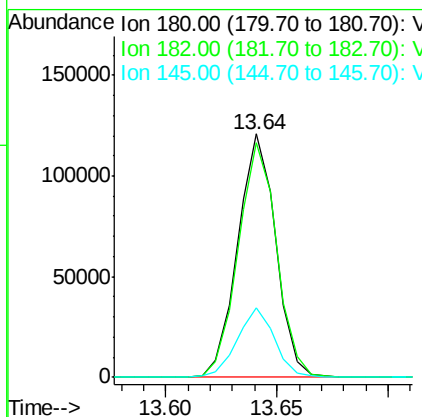
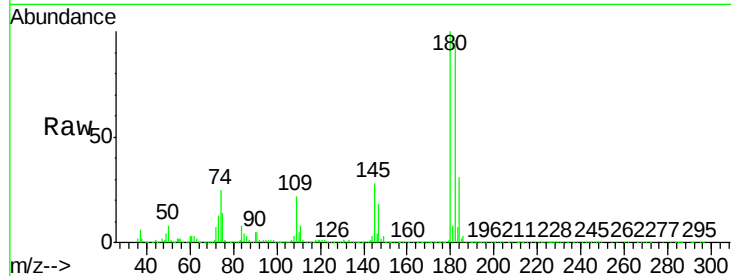
#89
 1,2,4-Trichlorobenzene
 Concen: 18.469 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.4	114.6
145	28.1	21.9	32.9

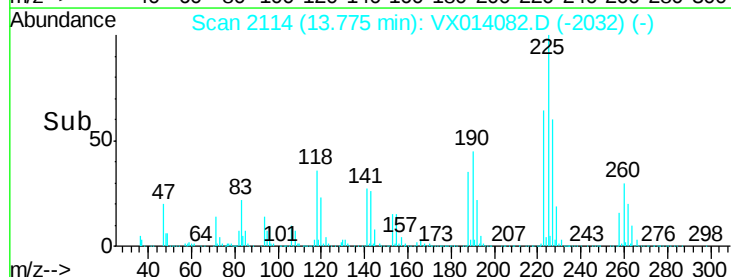
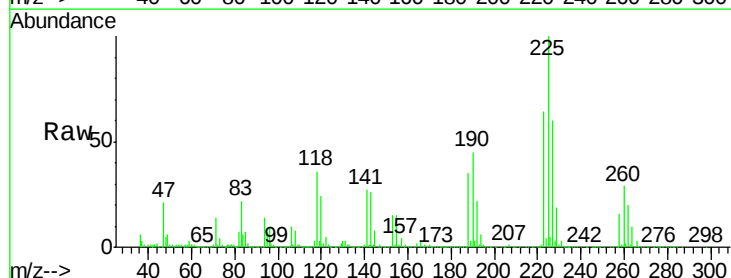
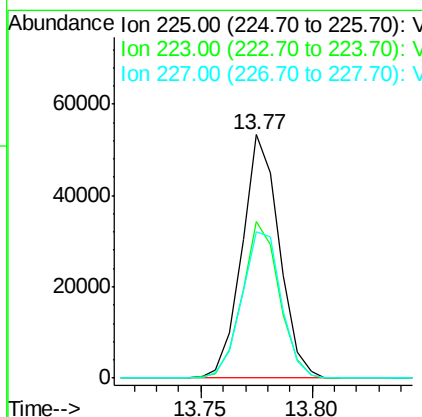
Manual Integrations
 APPROVED

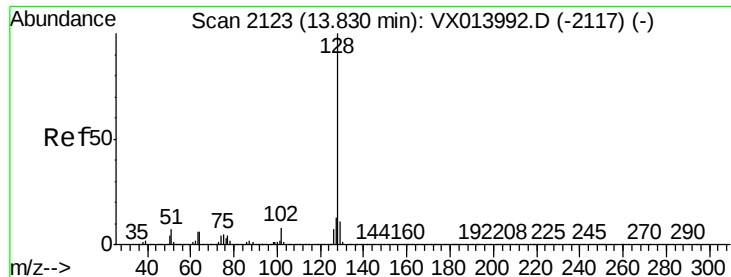
apatel
 12/18/2019 11:05:39 AM



#90
 Hexachlorobutadiene
 Concen: 16.908 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014082.D
 Acq: 18 Dec 2019 04:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	127.4
227	63.8	0.0	122.8





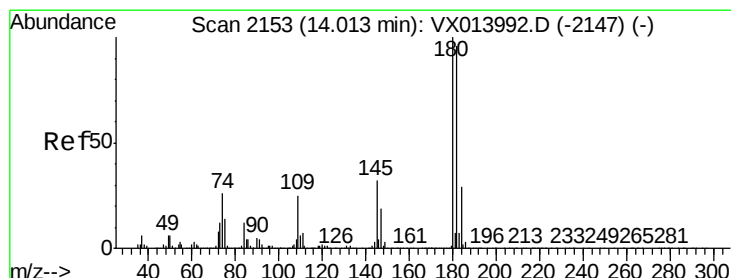
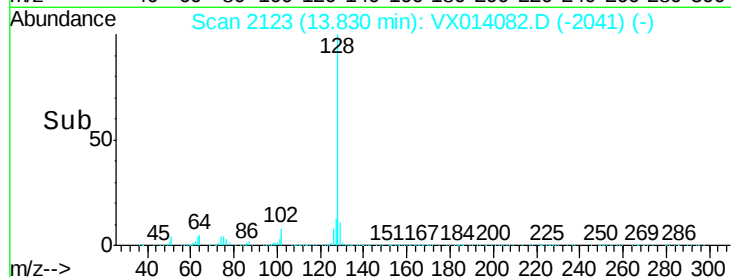
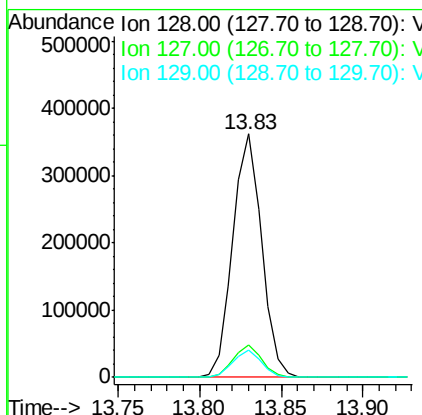
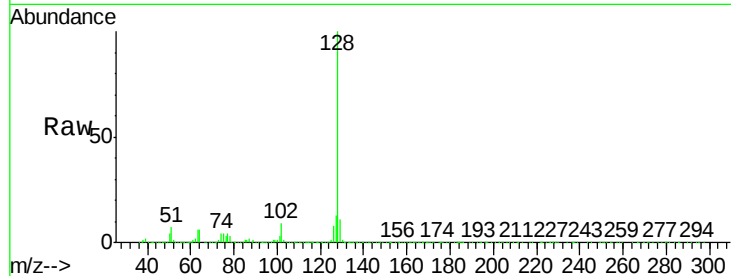
#91
Naphthalene
Concen: 19.200 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		448228		
127	13.0	10.4	15.6		
129	11.1	8.9	13.3		

Manual Integrations
APPROVED

apatel
12/18/2019 11:05:39 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.939 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014082.D
Acq: 18 Dec 2019 04:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		149204		
182	95.2	0.0	192.8		
145	30.0	0.0	60.0		

