

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014049.D
 Acq On : 16 Dec 2019 20:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 4:50:17 PM

Quant Time: Dec 17 05:46:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	527689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	823260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	735305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	366222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	306909	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	5.48	113	258445	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	8.71	98	988137	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.14	95	347476	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	233462	49.453	ug/l 98
3) Chloromethane	1.32	50	316005	49.879	ug/l 97
4) Vinyl Chloride	1.40	62	338199	50.590	ug/l 99
5) Bromomethane	1.63	94	208186	43.877	ug/l 100
6) Chloroethane	1.71	64	211172	51.182	ug/l 92
7) Trichlorofluoromethane	1.92	101	422526	51.058	ug/l 100
8) Diethyl Ether	2.18	74	193381	49.791	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	247594	49.634	ug/l 100
10) Methyl Iodide	2.50	142	347828	52.722	ug/l 100
11) Tert butyl alcohol	3.03	59	314386	243.281	ug/l 100
12) 1,1-Dichloroethene	2.36	96	250568	49.363	ug/l 98
13) Acrolein	2.28	56	250949	339.240	ug/l 97
14) Allyl chloride	2.72	41	463533	51.145	ug/l 100
15) Acrylonitrile	3.13	53	796147	263.951	ug/l 99
16) Acetone	2.43	43	670371	172.656	ug/l 100
17) Carbon Disulfide	2.56	76	685765	48.684	ug/l 100
18) Methyl Acetate	2.76	43	400733	52.085	ug/l 97
19) Methyl tert-butyl Ether	3.18	73	856539	51.351	ug/l 99
20) Methylene Chloride	2.84	84	296355	48.470	ug/l 98
21) trans-1,2-Dichloroethene	3.16	96	275143	49.201	ug/l 100
22) Diisopropyl ether	3.84	45	936589	51.858	ug/l 98
23) Vinyl Acetate	3.80	43	4094336	277.801	ug/l 100
24) 1,1-Dichloroethane	3.69	63	501037	49.864	ug/l 99
25) 2-Butanone	4.65	43	1122645	234.523	ug/l 99
26) 2,2-Dichloropropane	4.57	77	363364	46.576	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	317867	50.260	ug/l 99
28) Bromochloromethane	5.00	49	207983	53.786	ug/l 98
29) Tetrahydrofuran	5.11	42	723781	270.325	ug/l 99
30) Chloroform	5.20	83	488531	51.287	ug/l 99
31) Cyclohexane	5.57	56	458187	51.270	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	409859	50.486	ug/l 100
36) 1,1-Dichloropropene	5.79	75	372973	49.375	ug/l 100
37) Ethyl Acetate	4.82	43	437736	52.476	ug/l 99
38) Carbon Tetrachloride	5.78	117	351882	51.134	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121619\
 Data File : VX014049.D
 Acq On : 16 Dec 2019 20:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 4:50:17 PM

Quant Time: Dec 17 05:46:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	456646	48.959	ug/l	97
40) Benzene	6.14	78	1153231	49.618	ug/l	99
41) Methacrylonitrile	5.03	41	242563	52.408	ug/l	98
42) 1,2-Dichloroethane	6.18	62	395171	50.157	ug/l	99
43) Isopropyl Acetate	6.43	43	705463	51.102	ug/l	99
44) Trichloroethene	7.21	130	319293	49.736	ug/l	99
45) 1,2-Dichloropropane	7.51	63	301392	50.593	ug/l	96
46) Dibromomethane	7.65	93	193231	49.060	ug/l	99
47) Bromodichloromethane	7.89	83	380662	51.317	ug/l	97
48) Methyl methacrylate	7.76	41	354321	52.415	ug/l	98
49) 1,4-Dioxane	7.73	88	141013	1025.058	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2234494	257.734	ug/l	99
52) Toluene	8.78	92	719215	48.957	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	414961	51.018	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	466824	51.518	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	293046	49.771	ug/l	99
56) Ethyl methacrylate	9.17	69	479060	51.796	ug/l	99
57) 1,3-Dichloropropane	9.37	76	497661	50.236	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	934531	266.999	ug/l	100
59) 2-Hexanone	9.48	43	1711004	245.159	ug/l	99
60) Dibromochloromethane	9.57	129	306537	52.376	ug/l	100
61) 1,2-Dibromoethane	9.67	107	310514	51.544	ug/l	99
64) Tetrachloroethene	9.33	164	282580	43.430	ug/l	98
65) Chlorobenzene	10.14	112	770128	49.259	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	285987	51.230	ug/l	99
67) Ethyl Benzene	10.25	91	1358482	50.540	ug/l	99
68) m/p-Xylenes	10.35	106	1033621	99.982	ug/l	100
69) o-Xylene	10.70	106	504346	49.742	ug/l	100
70) Styrene	10.71	104	864158	50.403	ug/l	99
71) Bromoform	10.85	173	230898	51.456	ug/l #	98
73) Isopropylbenzene	11.01	105	1331337	51.633	ug/l	100
74) N-amyl acetate	10.89	43	628961	52.039	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	465521	52.075	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	432269m	54.369	ug/l	
77) Bromobenzene	11.25	156	339512	47.857	ug/l	98
78) n-propylbenzene	11.35	91	1499028	51.830	ug/l	100
79) 2-Chlorotoluene	11.42	91	883170	50.234	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1104143	50.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	148392	52.680	ug/l	99
82) 4-Chlorotoluene	11.51	91	1005086	49.285	ug/l	99
83) tert-Butylbenzene	11.76	119	1108465	52.488	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1106629	50.922	ug/l	99
85) sec-Butylbenzene	11.94	105	1273666	51.088	ug/l	99
86) p-Isopropyltoluene	12.06	119	1166261	51.141	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	588080	47.298	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	594312	47.009	ug/l	100
89) n-Butylbenzene	12.39	91	981747	50.453	ug/l	99
90) Hexachloroethane	12.59	117	210513	51.393	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	599776	47.919	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	94324	47.681	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121619\
Data File : VX014049.D
Acq On : 16 Dec 2019 20:40
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

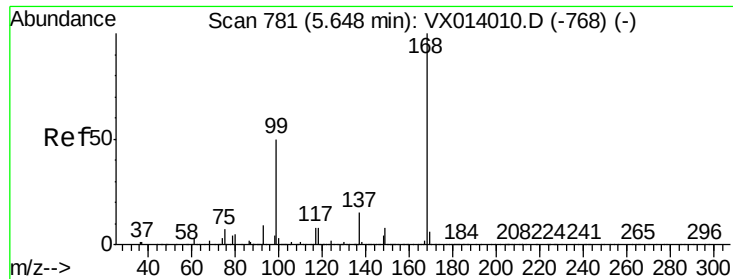
Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM

Quant Time: Dec 17 05:46:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	384825	47.304	ug/l	98
94) Hexachlorobutadiene	13.78	225	184054	47.076	ug/l	96
95) Naphthalene	13.83	128	1209268	50.594	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	394736	49.154	ug/l	99

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



#1

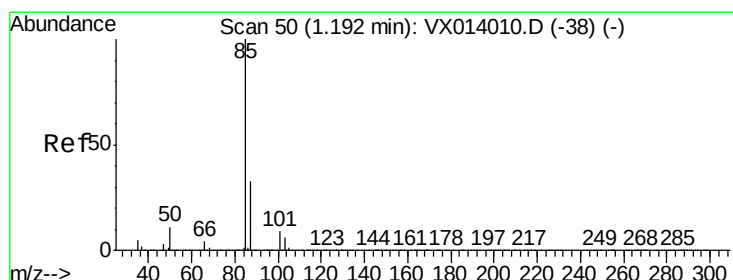
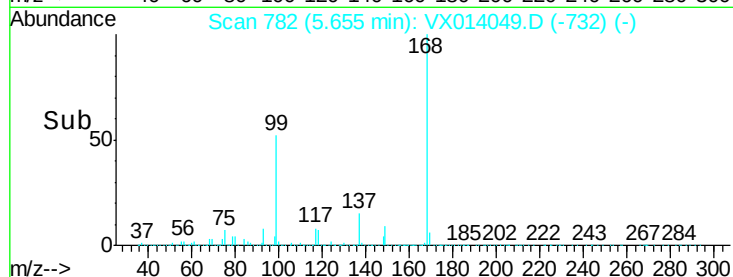
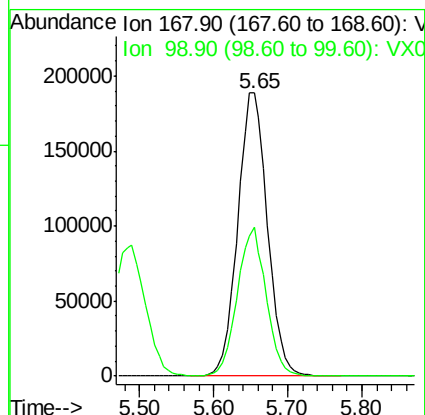
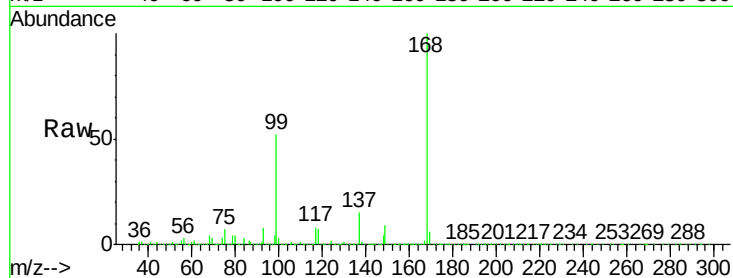
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.2	40.3	60.5

Manual Integrations
APPROVED

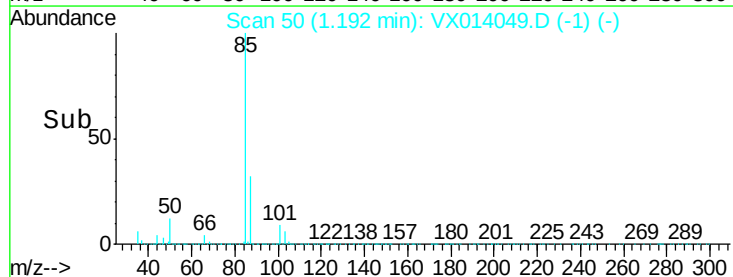
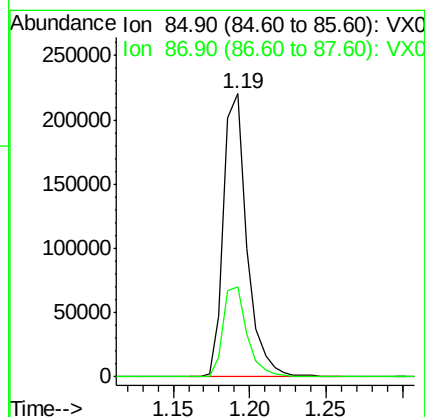
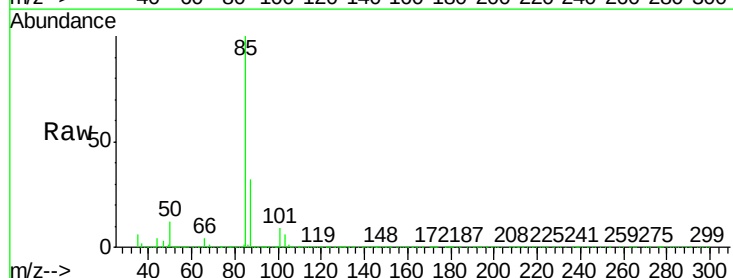
apatel
12/17/2019 4:50:17 PM

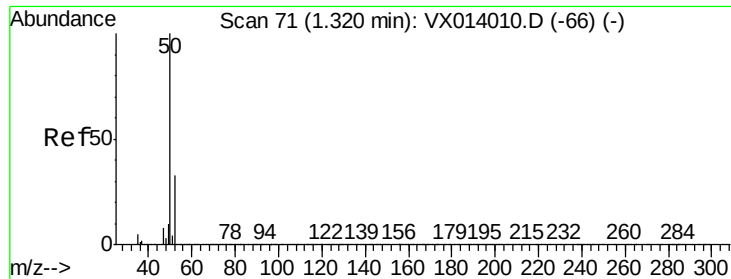


#2

Dichlorodifluoromethane
Concen: 49.453 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.4	49.2





#3

Chloromethane

Concen: 49.879 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 316005

Ion Ratio Lower Upper

50 100

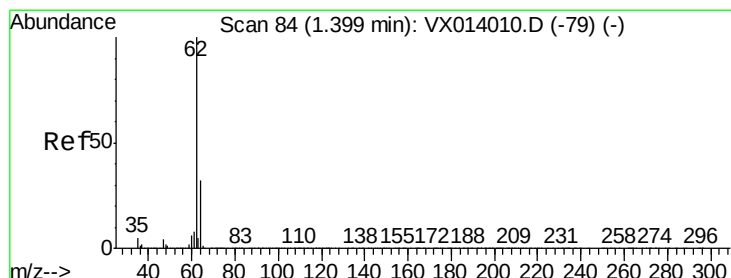
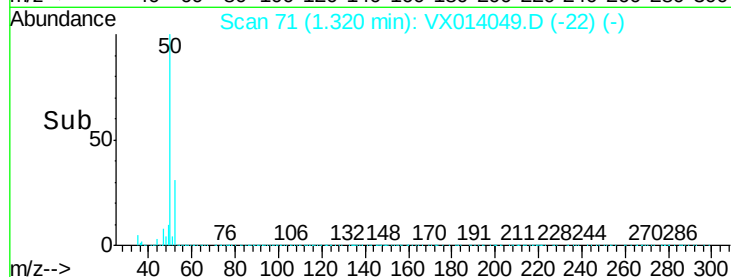
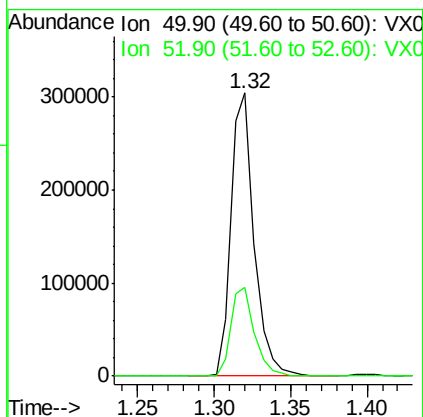
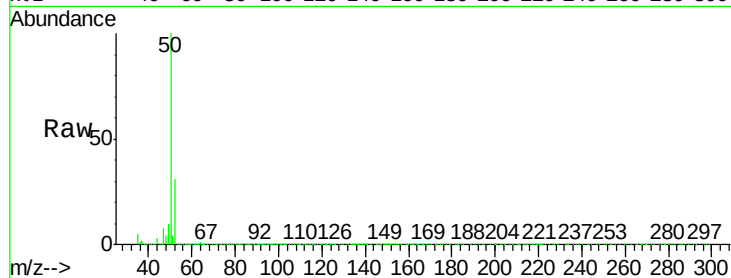
52 31.2 26.2 39.4

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#4

Vinyl Chloride

Concen: 50.590 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014049.D

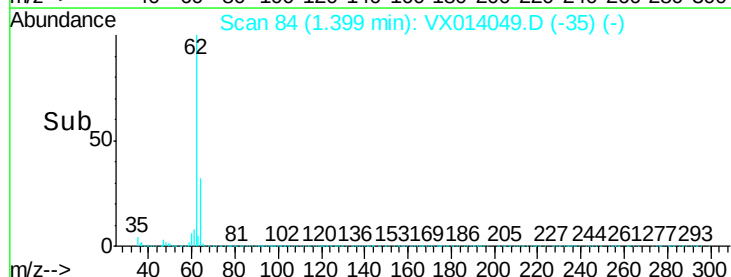
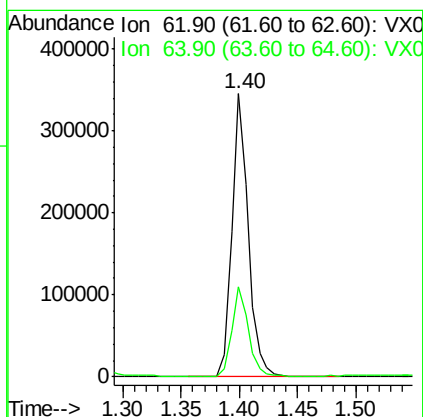
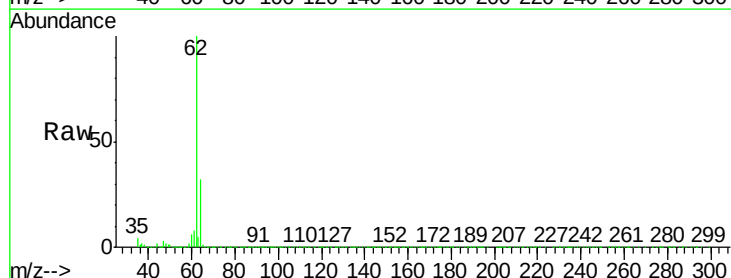
Acq: 16 Dec 2019 20:40

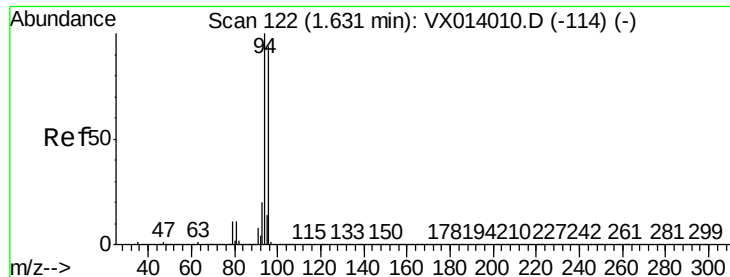
Tgt Ion: 62 Resp: 338199

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 43.877 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 208186

Ion Ratio Lower Upper

94 100

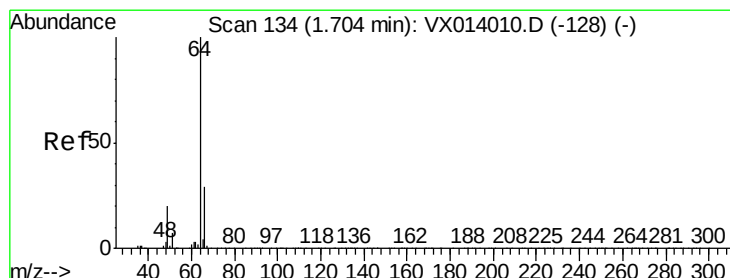
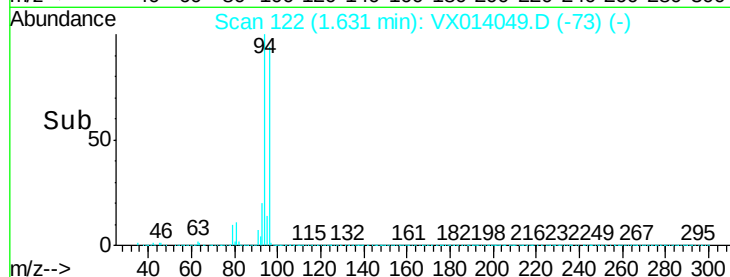
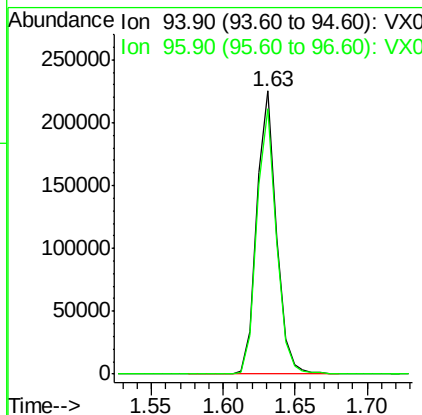
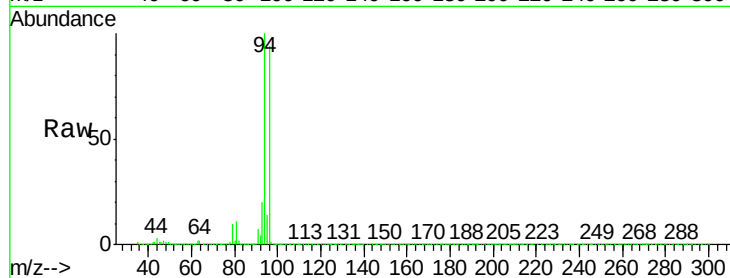
96 94.0 75.2 112.8

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#6

Chloroethane

Concen: 51.182 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX014049.D

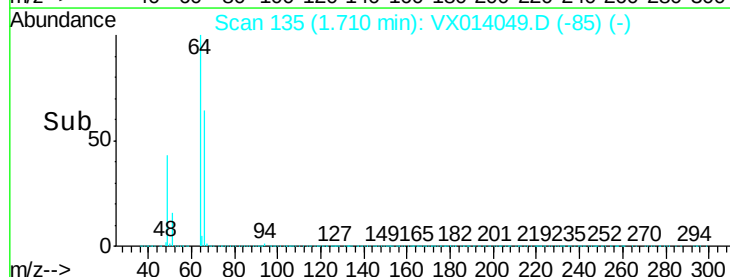
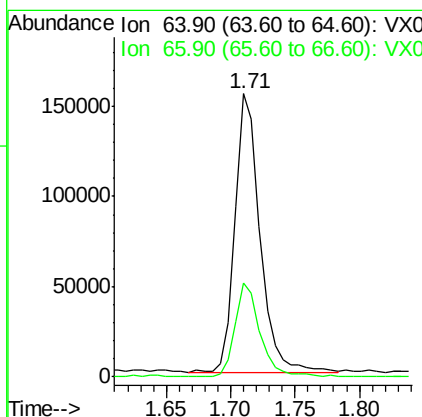
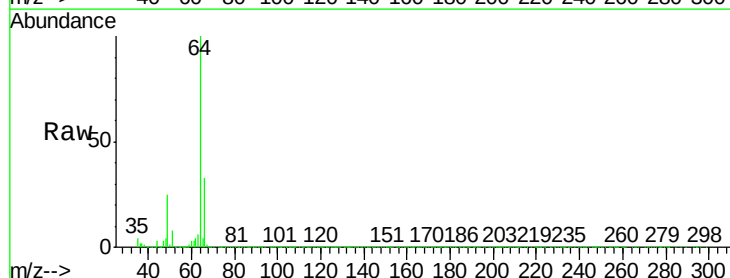
Acq: 16 Dec 2019 20:40

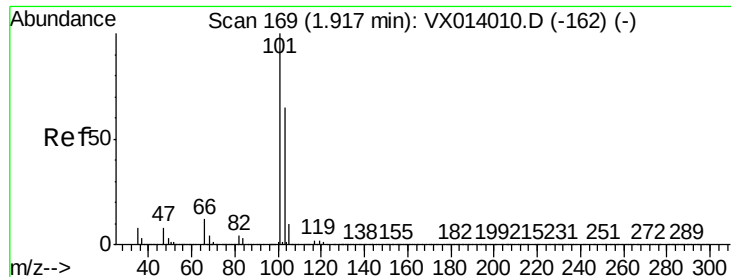
Tgt Ion: 64 Resp: 211172

Ion Ratio Lower Upper

64 100

66 33.5 23.4 35.2





#7

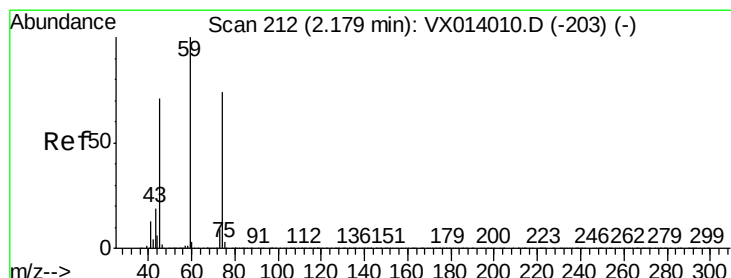
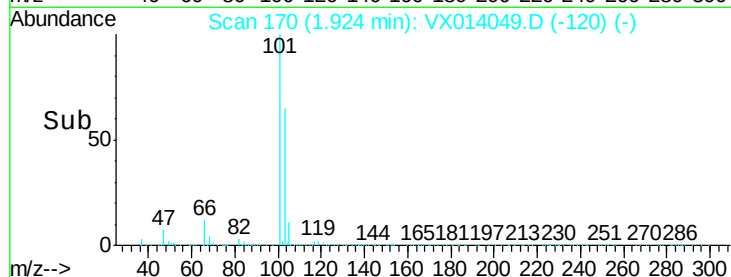
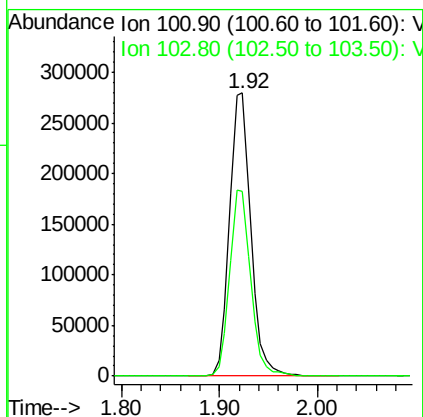
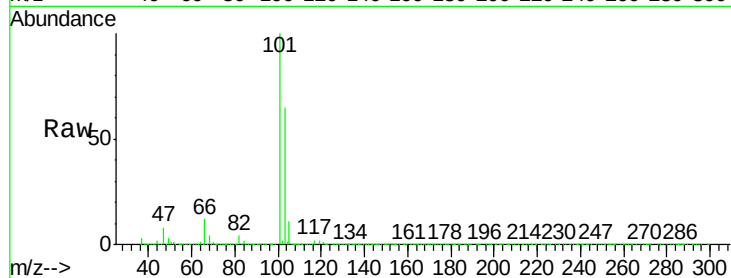
Trichlorofluoromethane
Concen: 51.058 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Manual Integrations
APPROVED

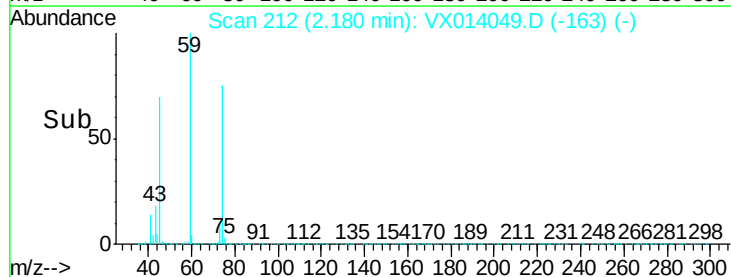
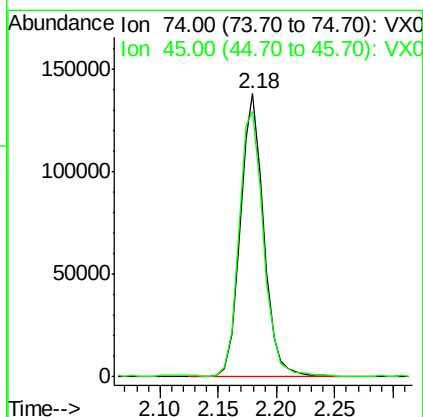
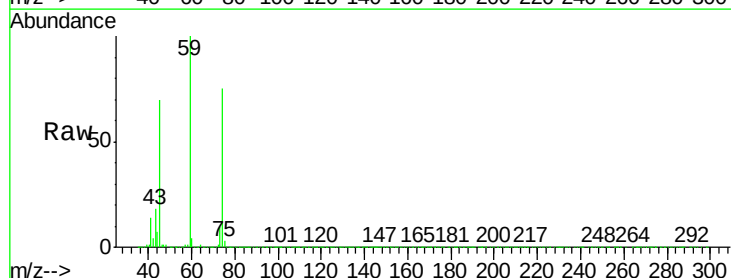
apatel
12/17/2019 4:50:17 PM

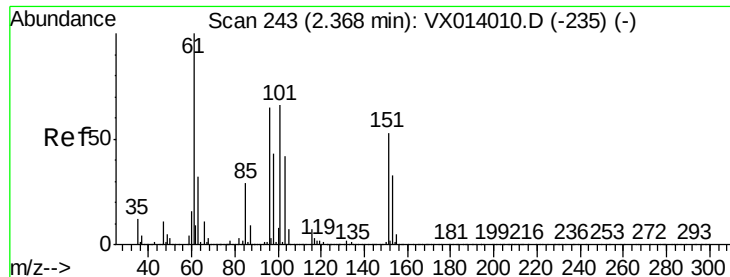


#8

Diethyl Ether
Concen: 49.791 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.634 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

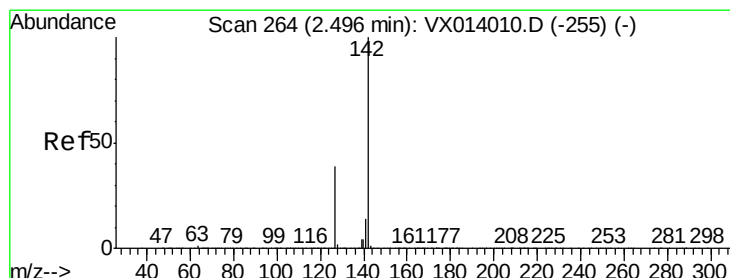
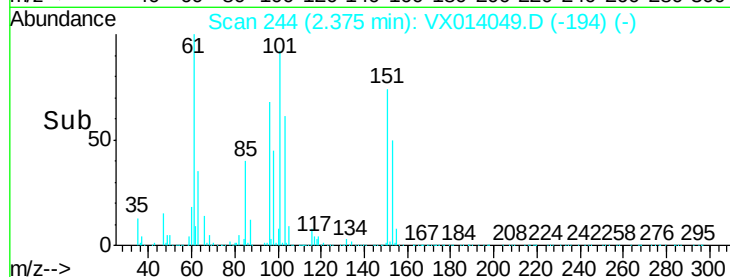
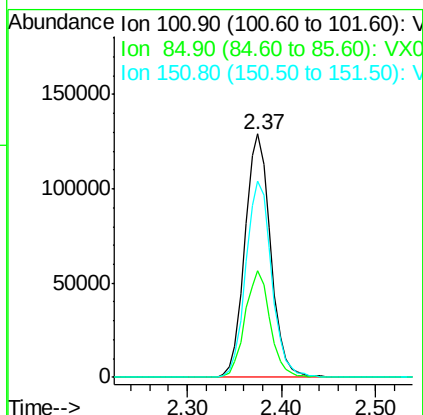
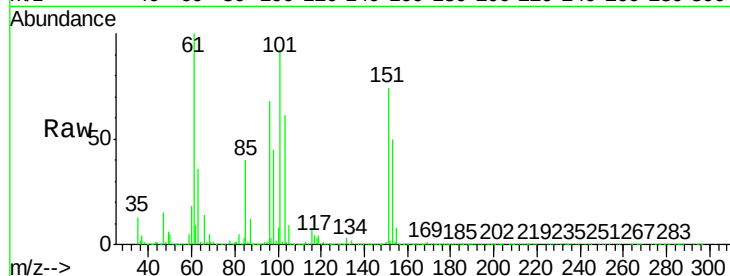
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	247594
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	80.8	64.5	96.7

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#10

Methyl Iodide

Concen: 52.722 ug/l

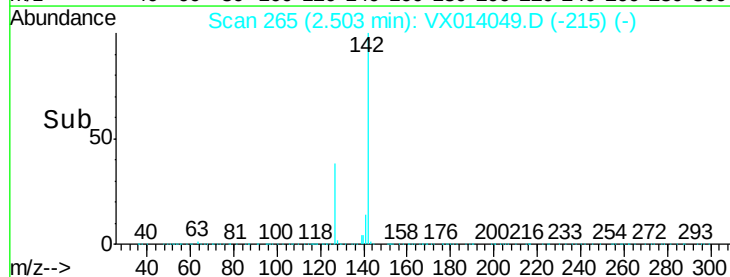
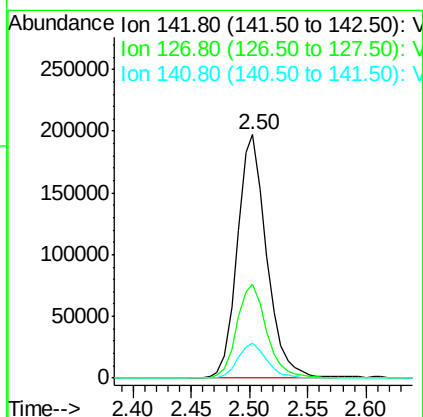
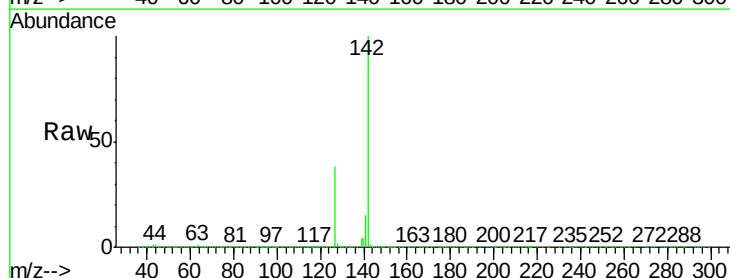
RT: 2.50 min Scan# 265

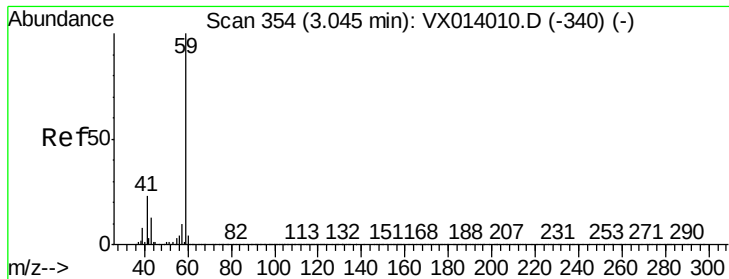
Delta R.T. 0.01 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	142	Resp:	347828
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.6	47.4
141	14.2	11.6	17.4





#11

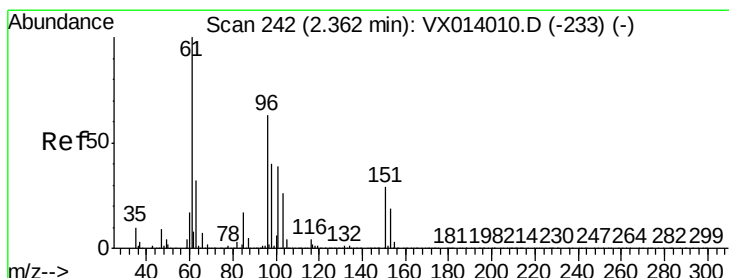
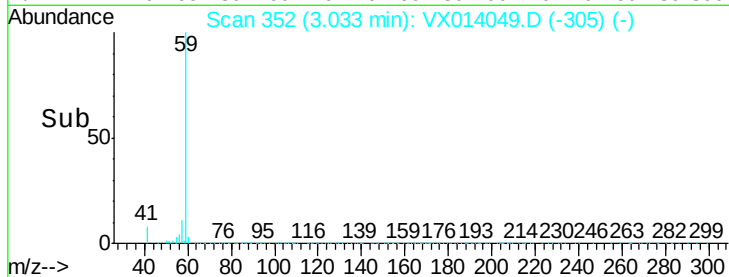
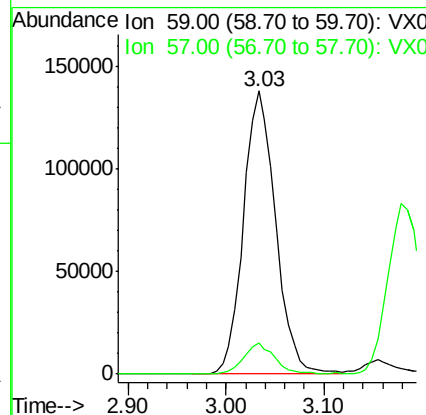
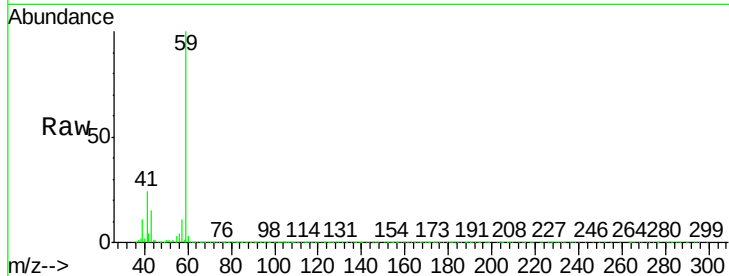
Tert butyl alcohol
Concen: 243.281 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	8.4	12.6

Manual Integrations
APPROVED

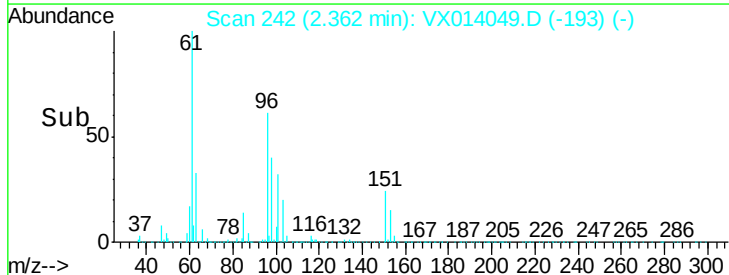
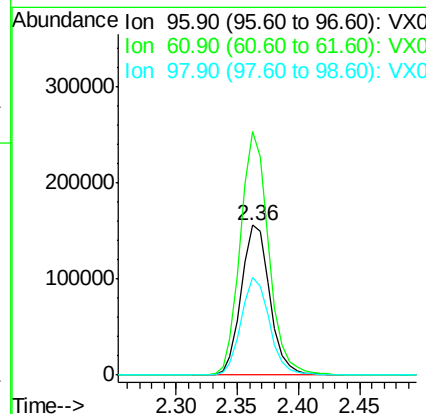
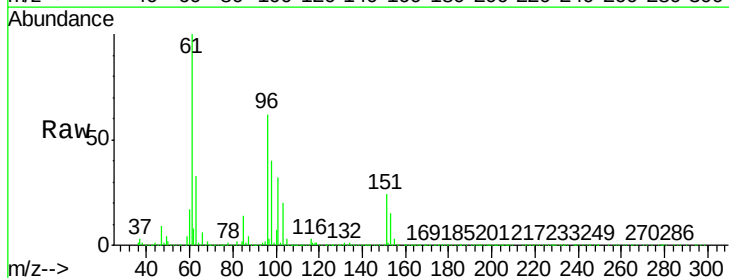
apatel
12/17/2019 4:50:17 PM

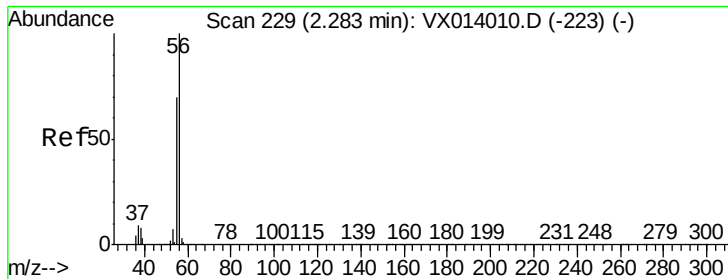


#12

1,1-Dichloroethene
Concen: 49.363 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	162.6	127.9	191.9
98	98	65.3	50.5	75.7





#13

Acrolein

Concen: 339.240 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 250949

Ion Ratio Lower Upper

56 100

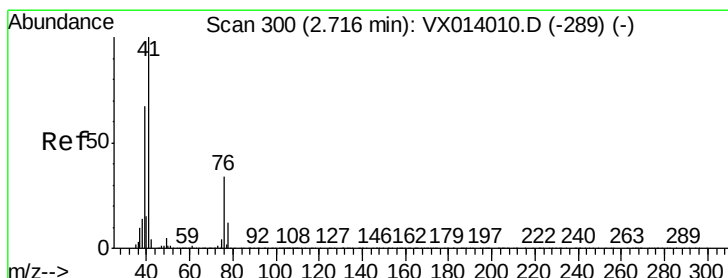
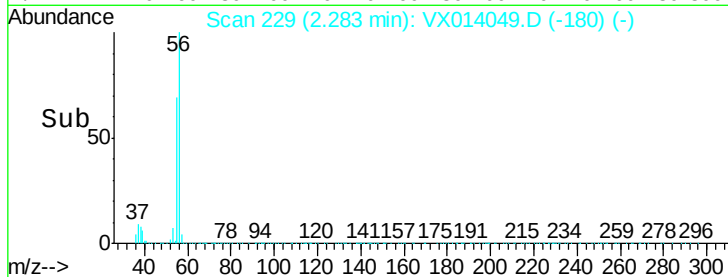
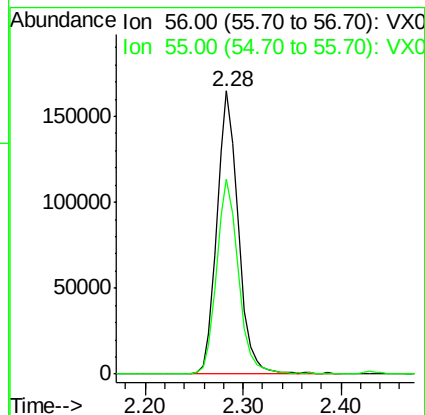
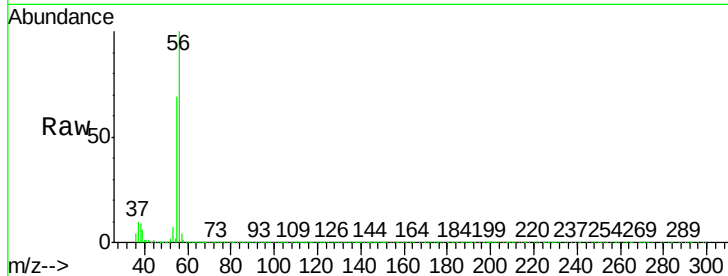
55 69.0 56.9 85.3

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#14

Allyl chloride

Concen: 51.145 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

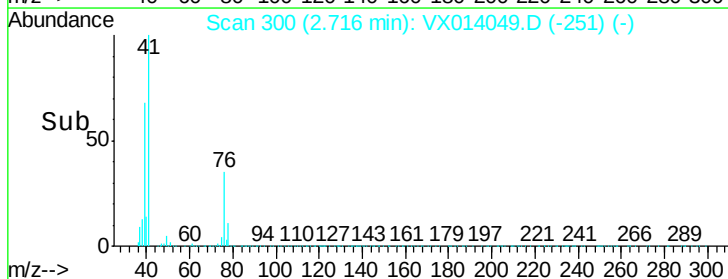
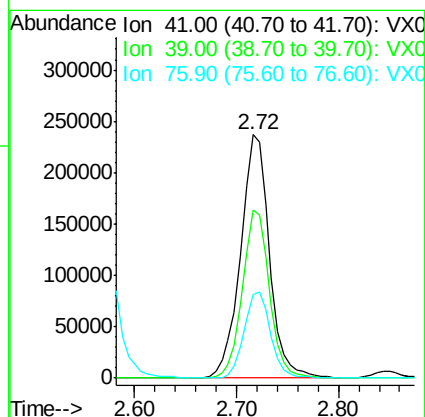
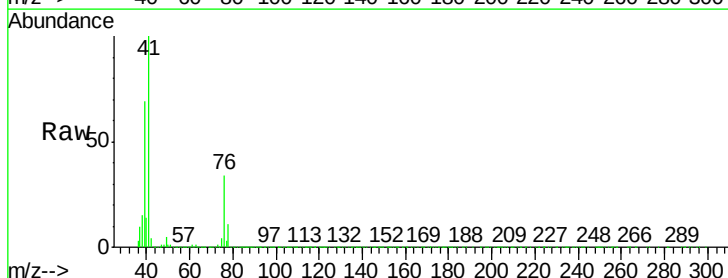
Tgt Ion: 41 Resp: 463533

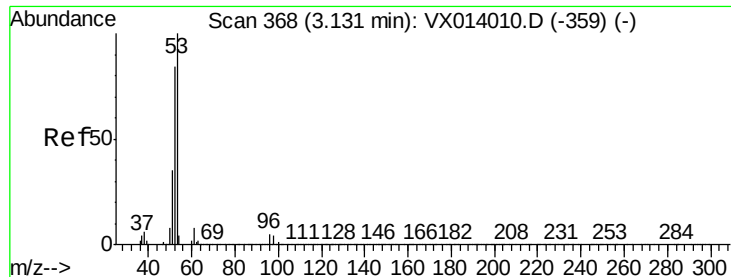
Ion Ratio Lower Upper

41 100

39 65.1 51.8 77.8

76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 263.951 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

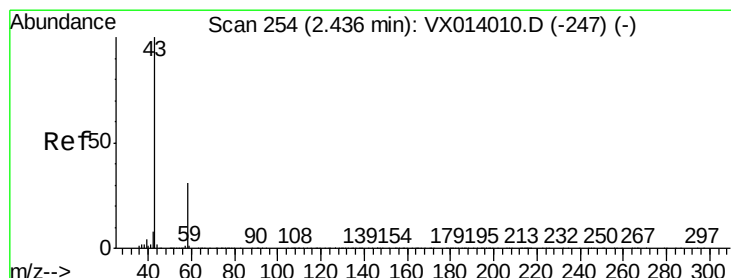
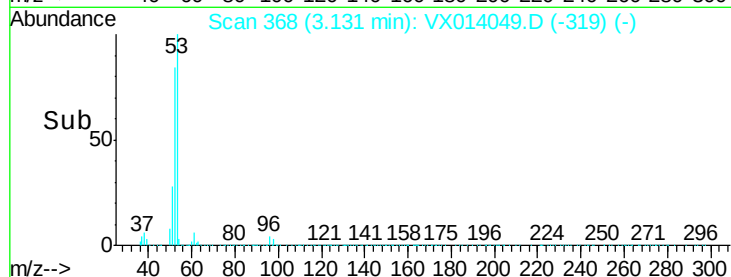
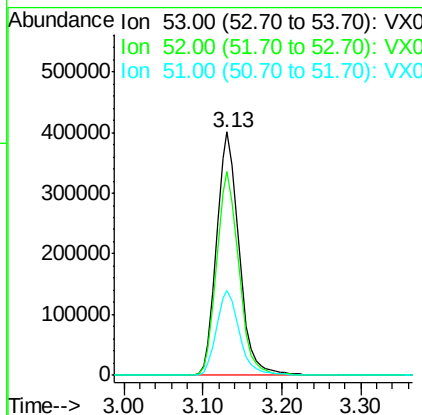
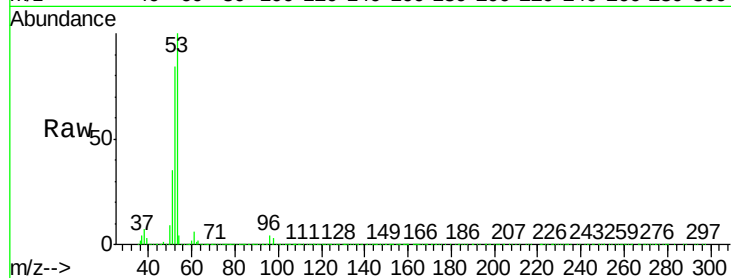
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	796147
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.5	99.7
51	35.6	28.1	42.1

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#16

Acetone

Concen: 172.656 ug/l

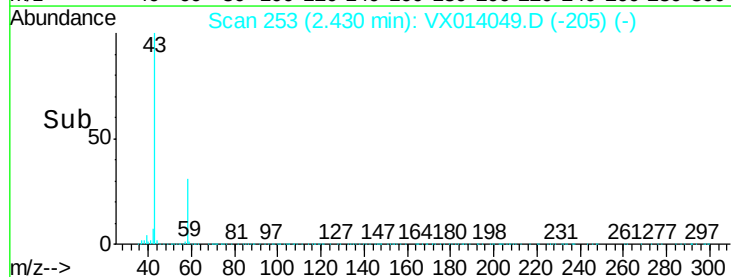
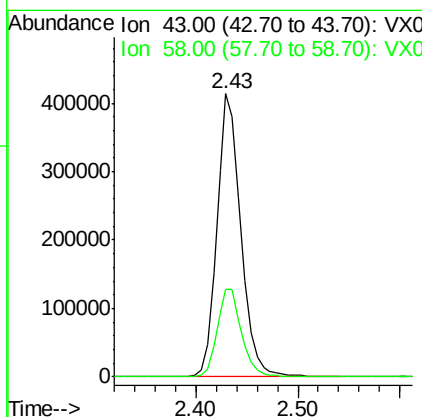
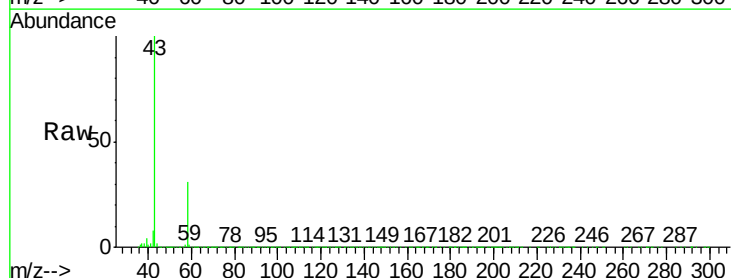
RT: 2.43 min Scan# 253

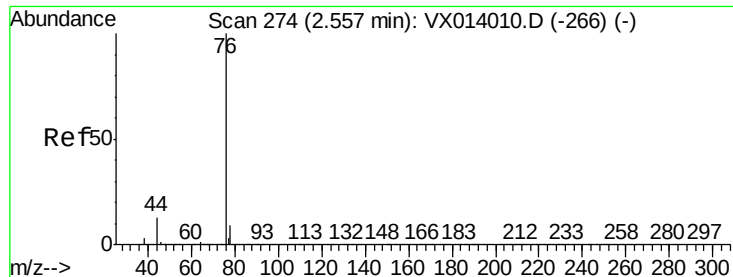
Delta R.T. -0.01 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	43	Resp:	670371
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.9	37.3





#17

Carbon Disulfide

Concen: 48.684 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 685765

Ion Ratio Lower Upper

76 100

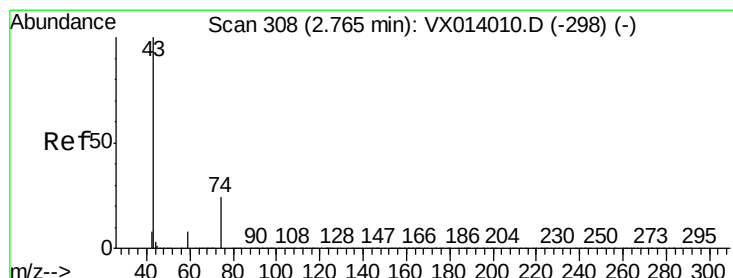
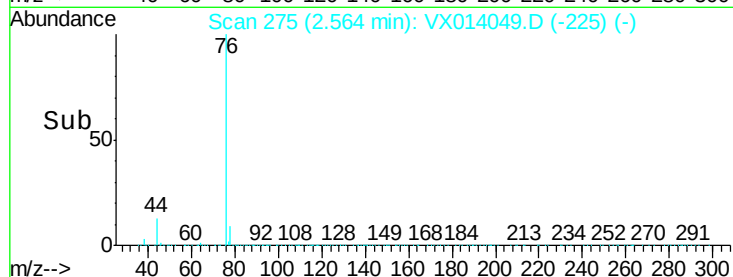
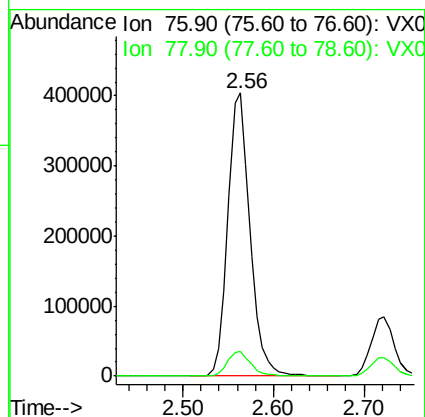
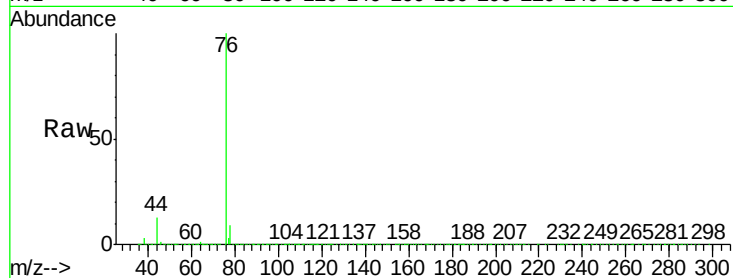
78 9.0 7.2 10.8

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#18

Methyl Acetate

Concen: 52.085 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014049.D

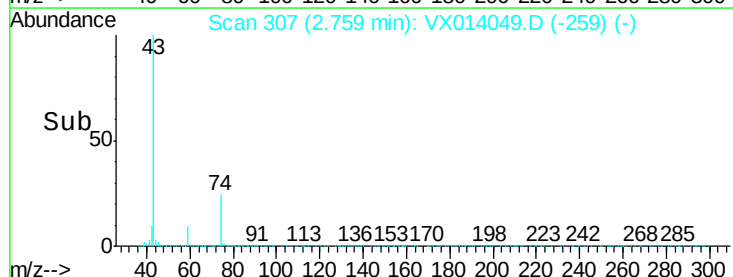
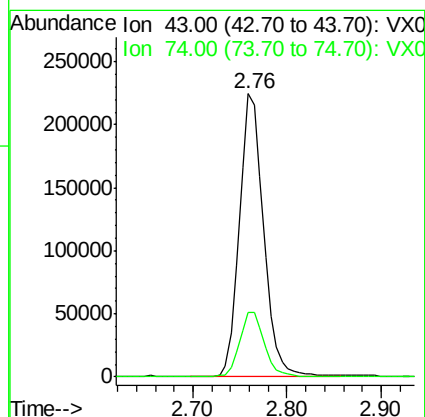
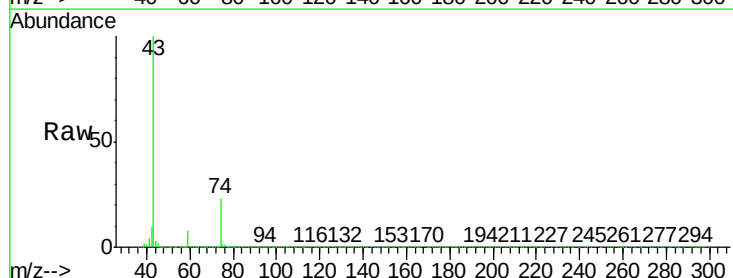
Acq: 16 Dec 2019 20:40

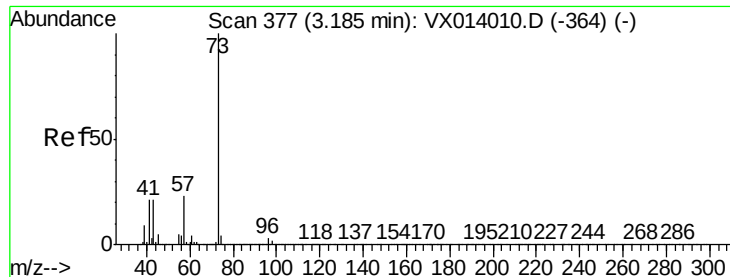
Tgt Ion: 43 Resp: 400733

Ion Ratio Lower Upper

43 100

74 23.2 19.5 29.3





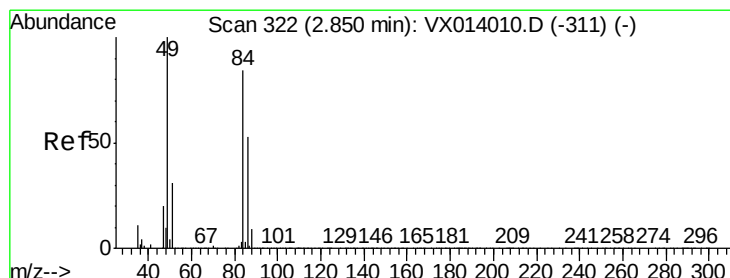
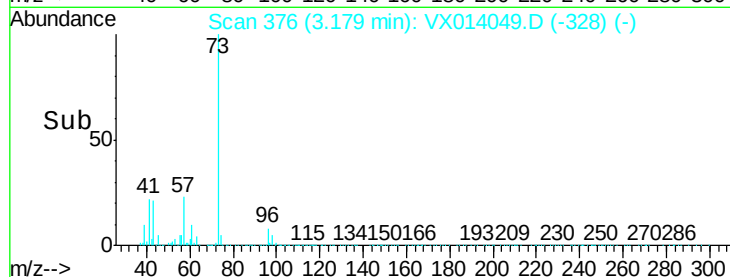
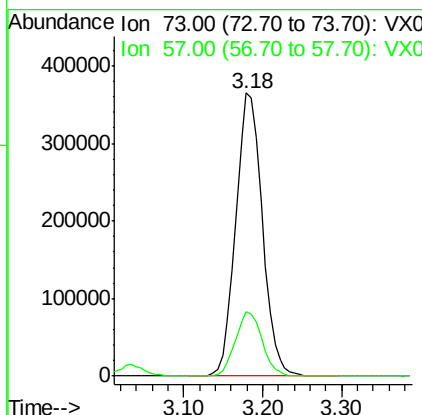
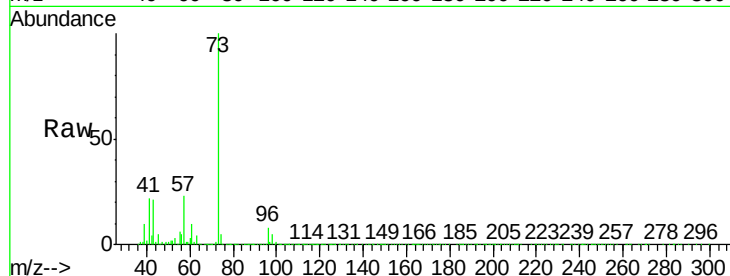
#19
Methyl tert-butyl Ether
Concen: 51.351 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.8	28.2

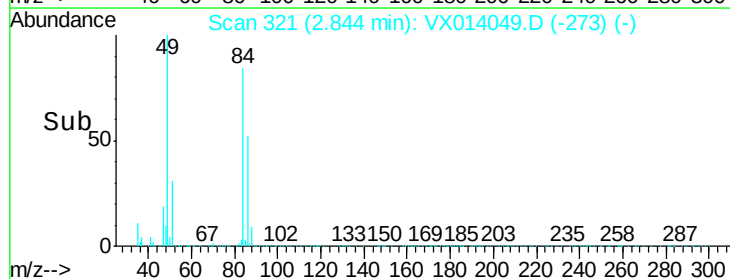
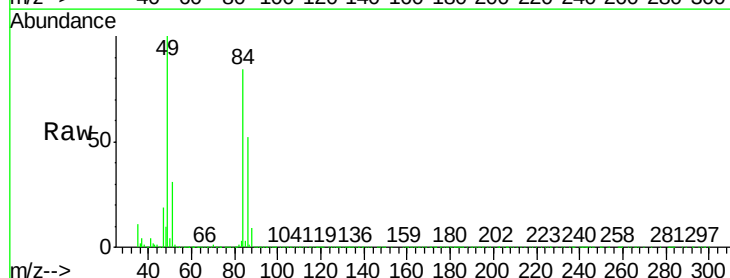
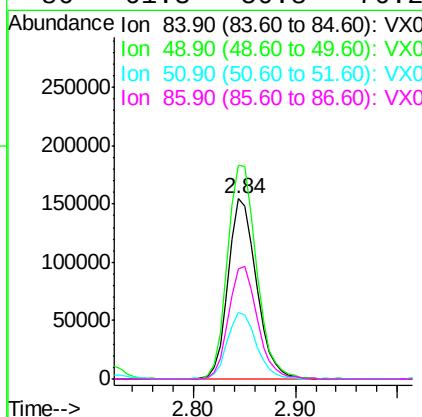
Manual Integrations
APPROVED

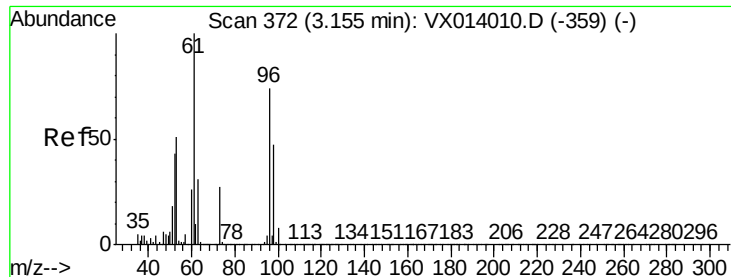
apatel
12/17/2019 4:50:17 PM



#20
Methylene Chloride
Concen: 48.470 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	95.8	143.6
51	36.7	29.8	44.8
86	61.3	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 49.201 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

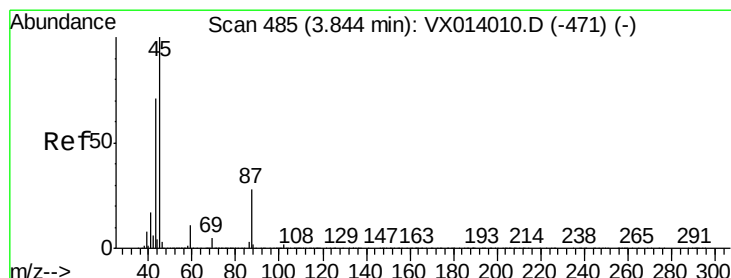
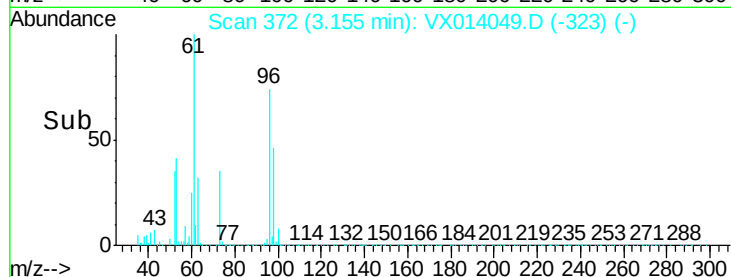
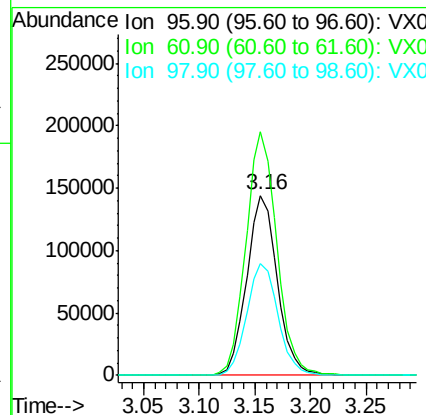
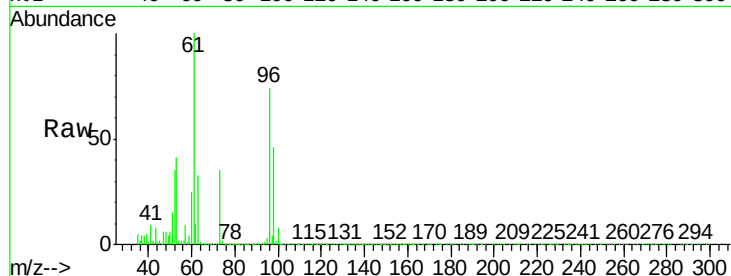
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	275143
Ion Ratio	Lower	Upper	
96	100		
61	135.4	108.3	162.5
98	62.5	50.8	76.2

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#22

Diisopropyl ether

Concen: 51.858 ug/l

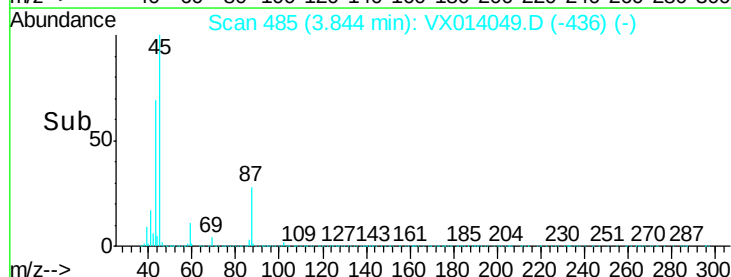
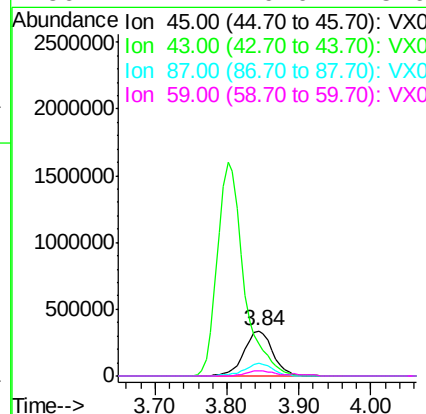
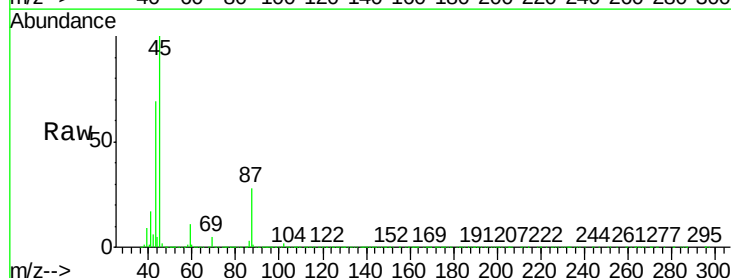
RT: 3.84 min Scan# 485

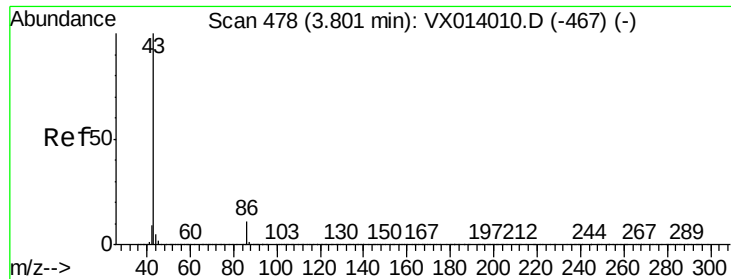
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	45	Resp:	936589
Ion Ratio	Lower	Upper	
45	100		
43	68.8	57.4	86.0
87	27.6	21.9	32.9
59	11.4	9.0	13.6





#23

Vinyl Acetate

Concen: 277.801 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4094336

Ion Ratio Lower Upper

43 100

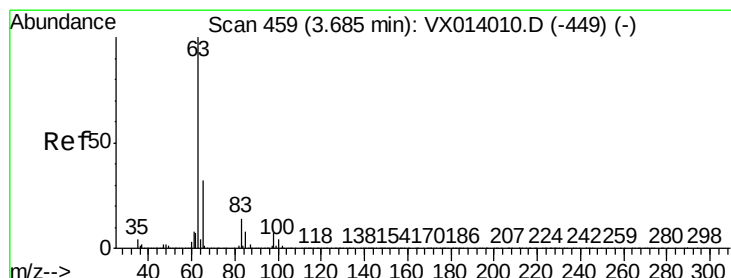
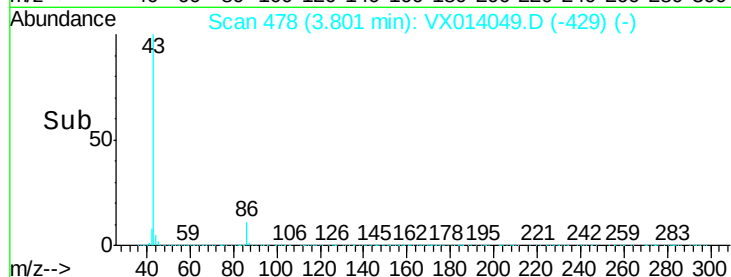
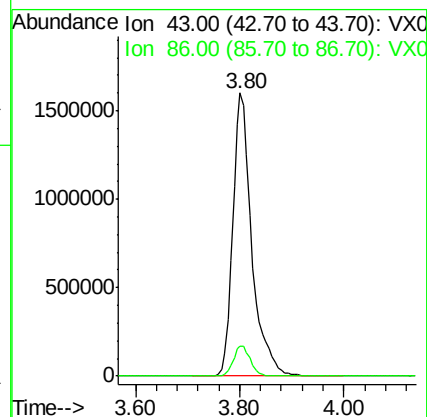
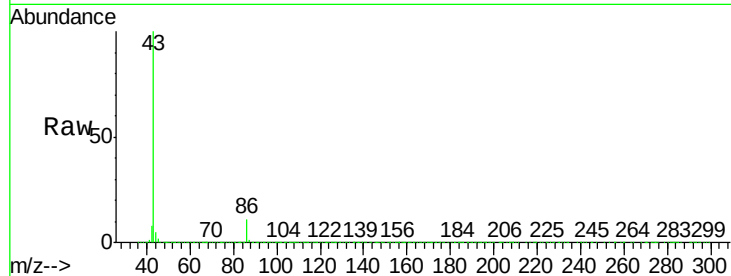
86 10.7 8.6 12.8

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#24

1,1-Dichloroethane

Concen: 49.864 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

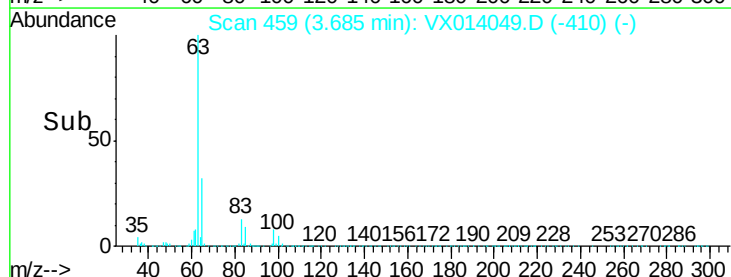
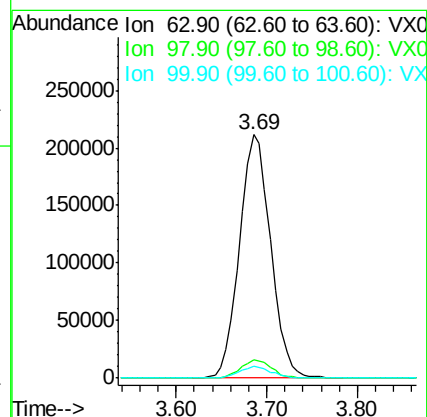
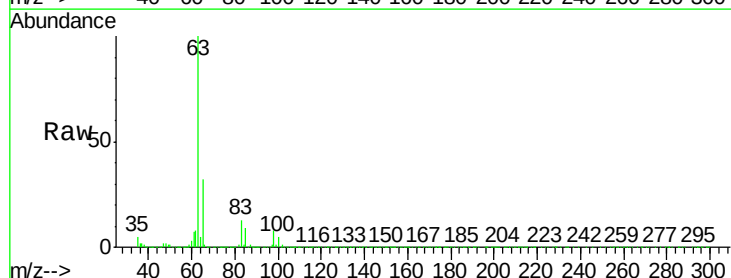
Tgt Ion: 63 Resp: 501037

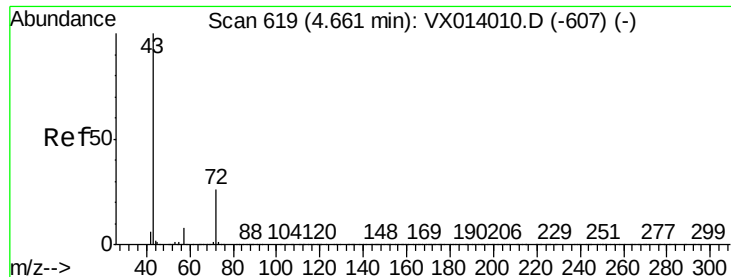
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 234.523 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tot Ion: 43 Resp: 1122645

Ion Ratio Lower Upper

43 100

72 25.7 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

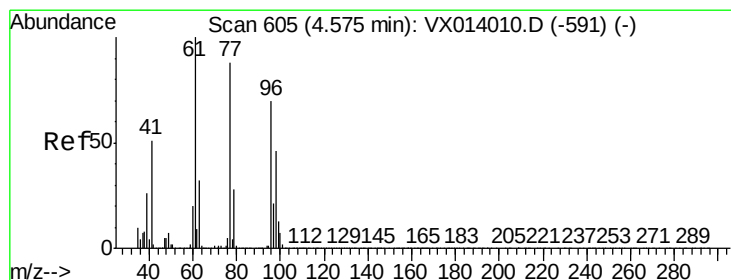
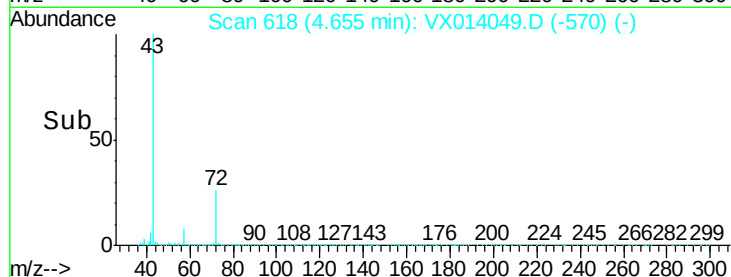
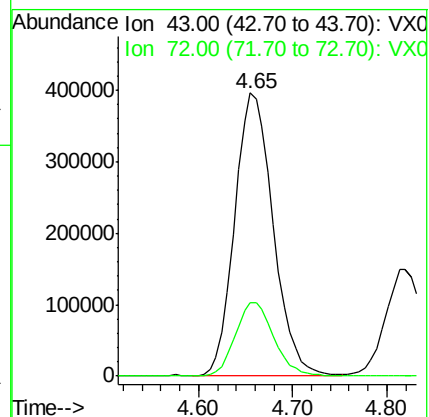
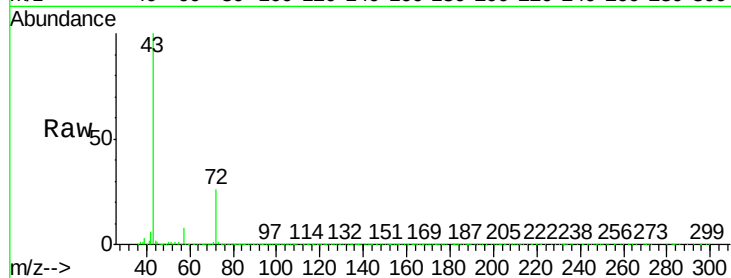
VSTDCCC050EC

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#26

2,2-Dichloropropane

Concen: 46.576 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014049.D

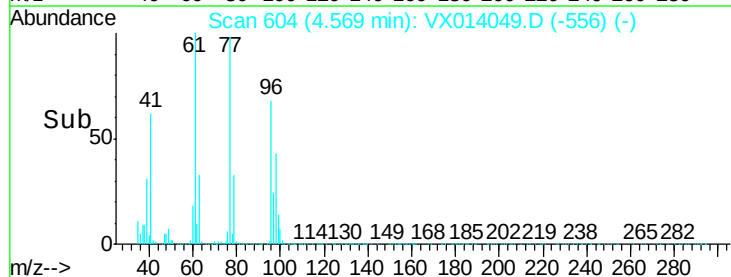
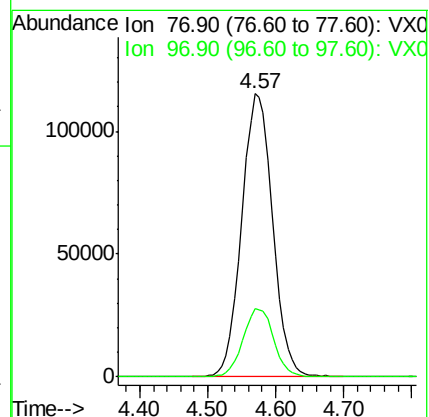
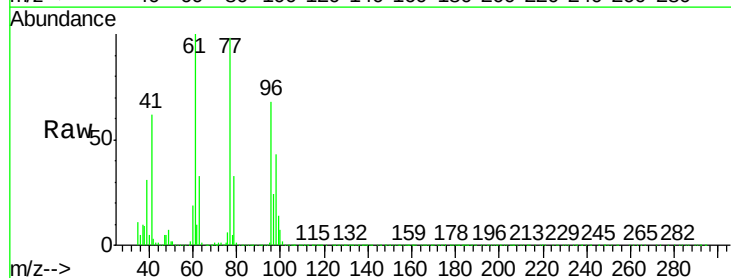
Acq: 16 Dec 2019 20:40

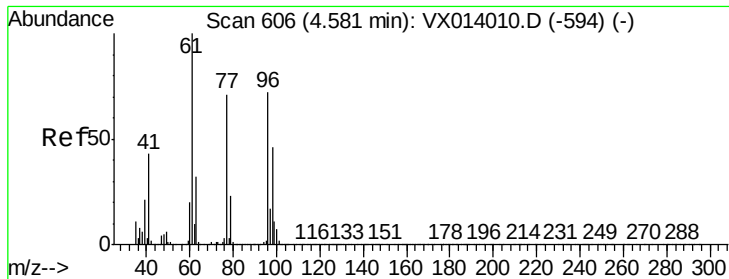
Tgt Ion: 77 Resp: 363364

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.9





#27

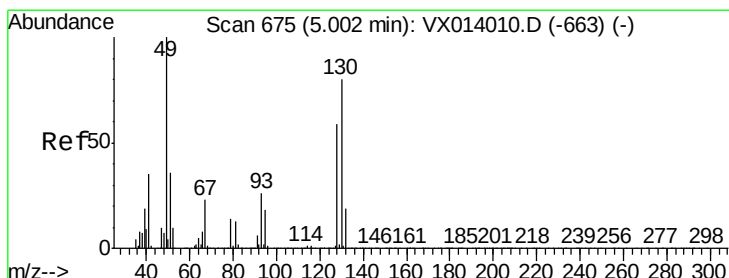
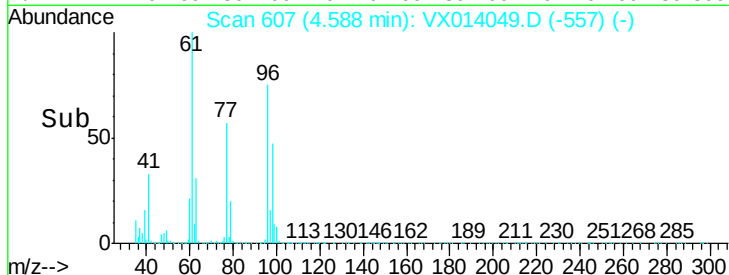
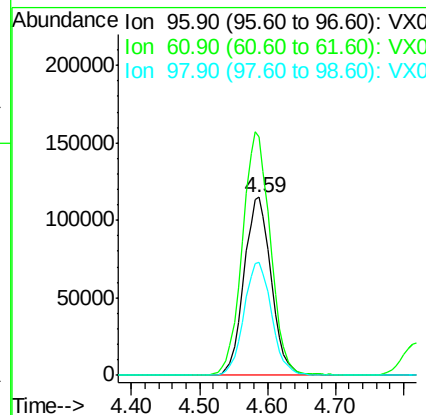
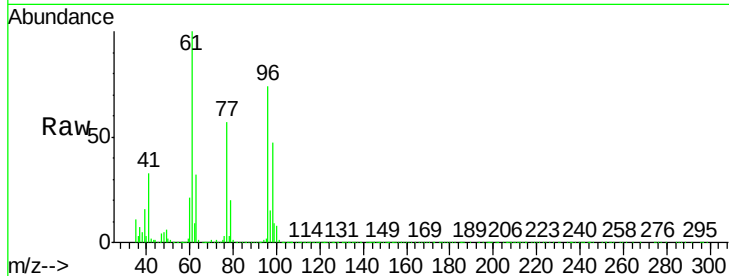
cis-1,2-Dichloroethene
Concen: 50.260 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.6	0.0	288.4	
98	64.8	0.0	129.6	

Manual Integrations
APPROVED

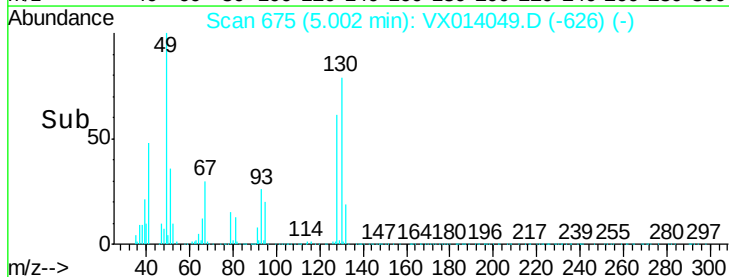
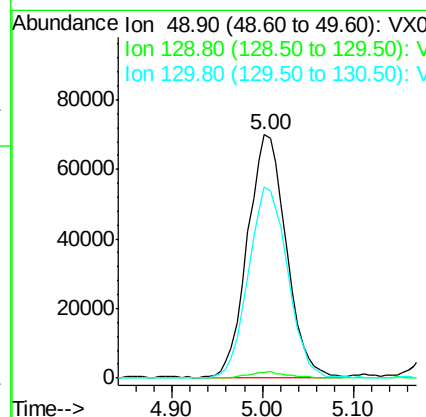
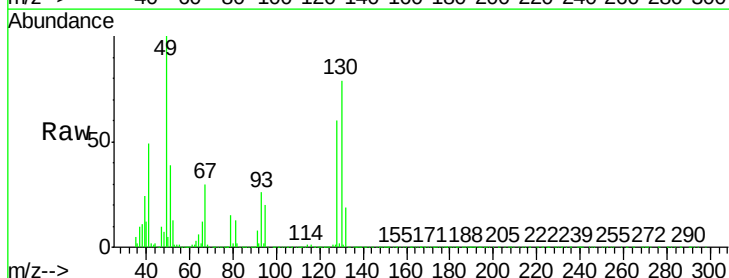
apatel
12/17/2019 4:50:17 PM

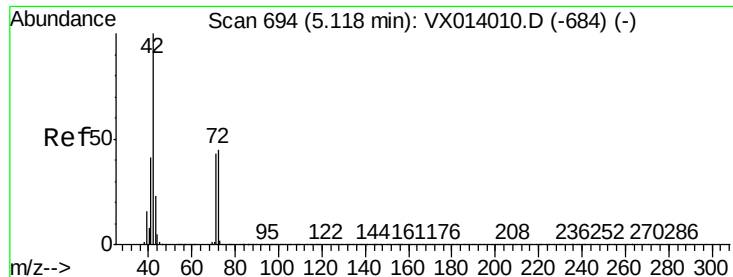


#28

Bromochloromethane
Concen: 53.786 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.0	
130	79.0	64.6	97.0	





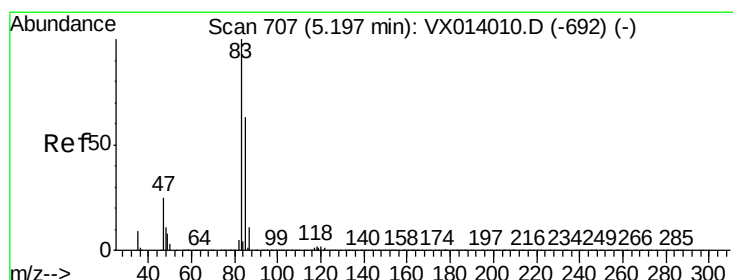
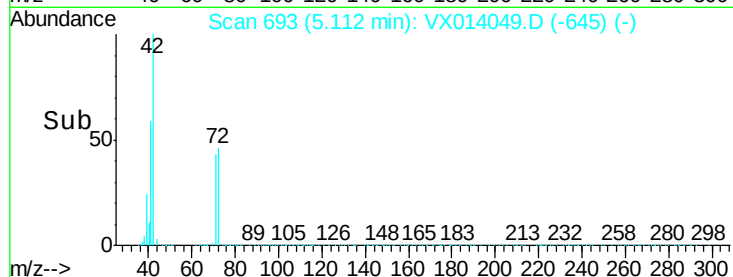
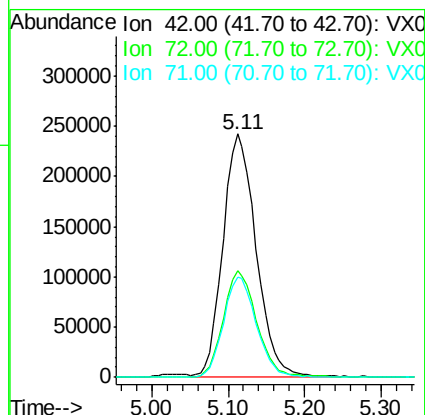
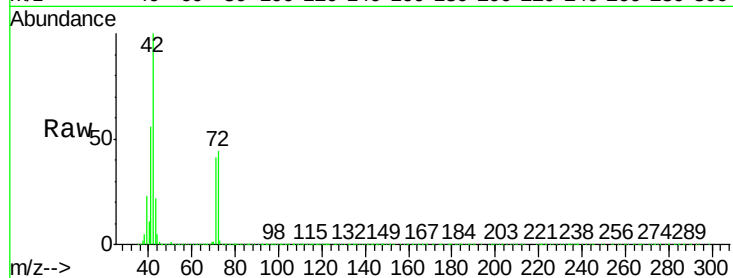
#29
Tetrahydrofuran
Concen: 270.325 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.8	53.8
71	41.2	33.6	50.4

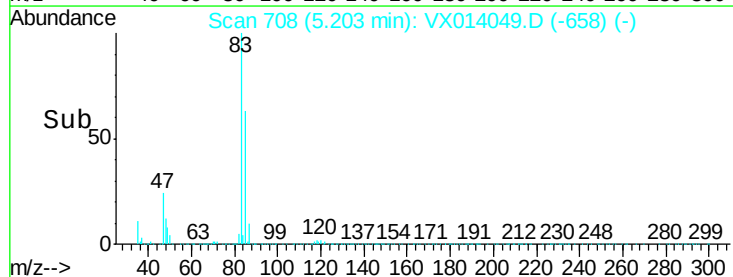
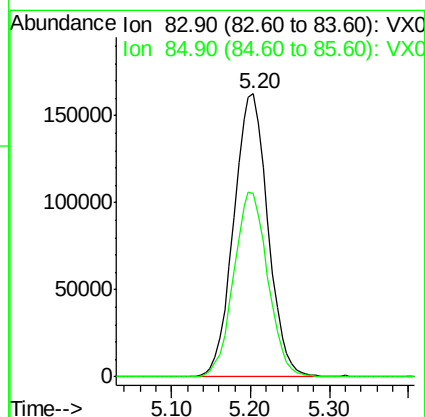
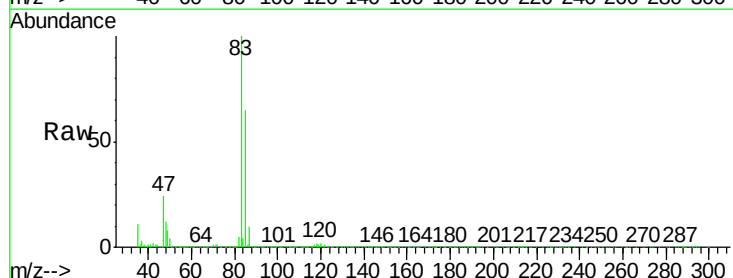
Manual Integrations
APPROVED

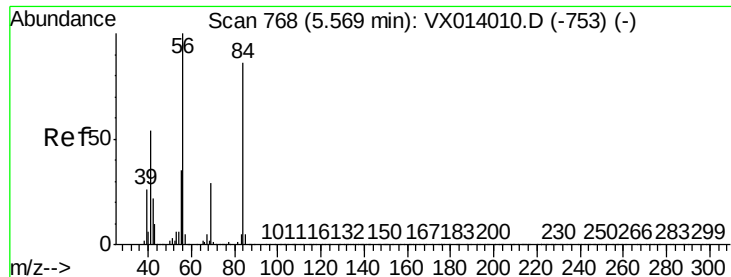
apatel
12/17/2019 4:50:17 PM



#30
Chloroform
Concen: 51.287 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.8	76.2





#31

Cyclohexane

Concen: 51.270 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

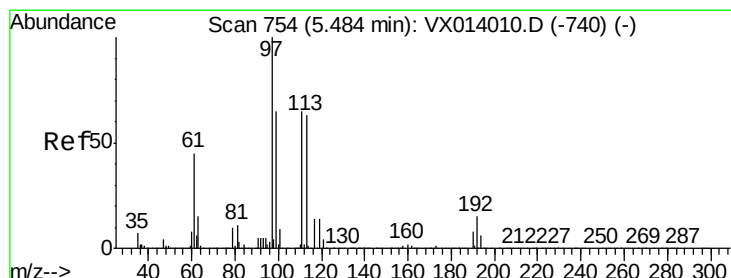
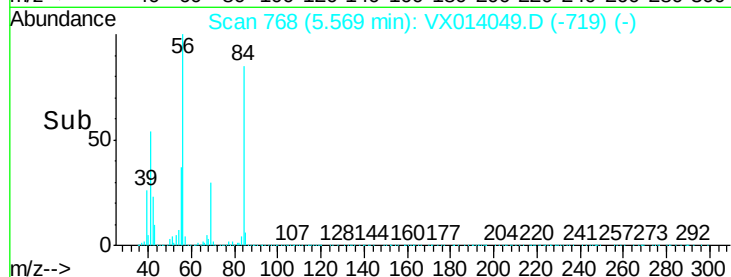
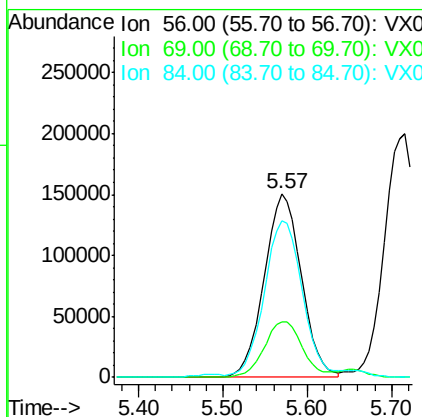
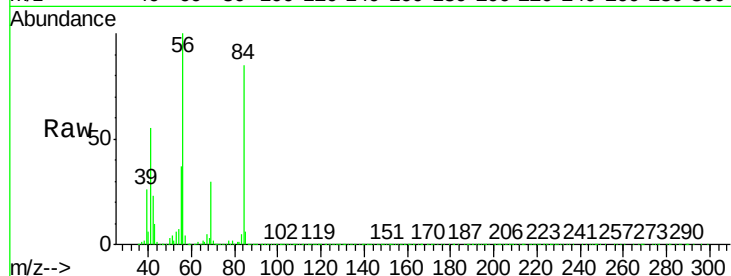
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	458187
Ion Ratio		Lower	Upper
56	100		
69	30.0	23.2	34.8
84	84.9	69.2	103.8

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#32

1,1,1-Trichloroethane

Concen: 50.486 ug/l

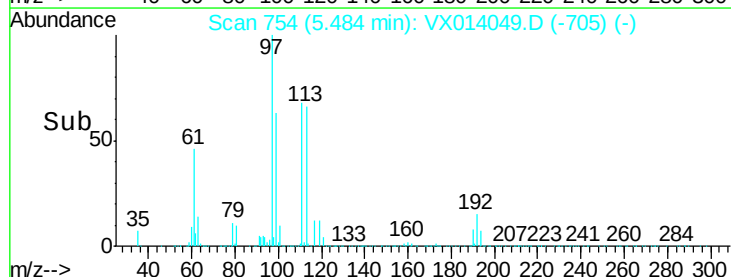
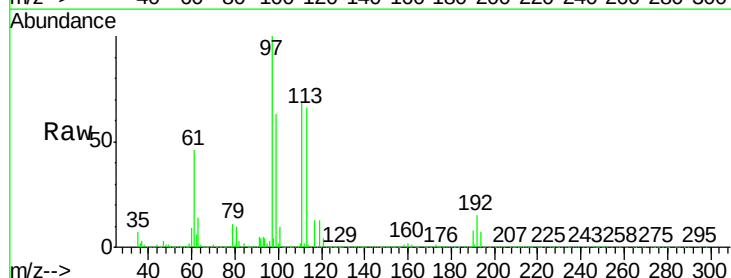
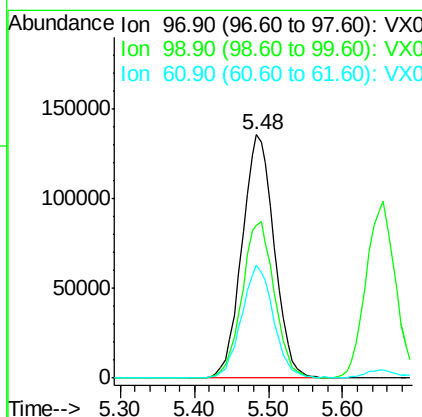
RT: 5.48 min Scan# 754

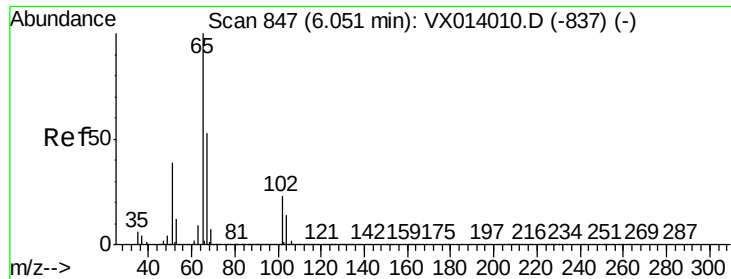
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	97	Resp:	409859
Ion Ratio		Lower	Upper
97	100		
99	64.9	52.0	78.0
61	45.7	36.7	55.1





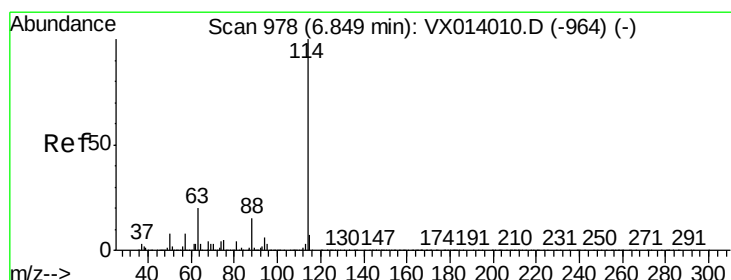
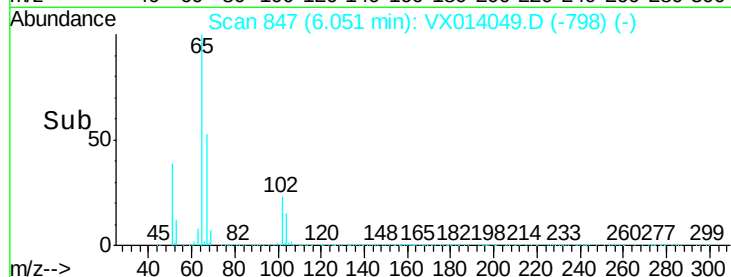
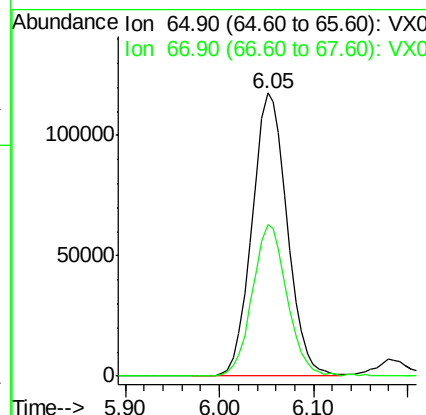
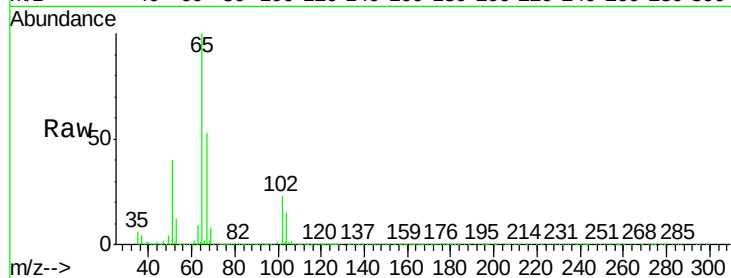
#33
1,2-Dichloroethane-d4
Concen: 51.317 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	306909		
67	53.1	0.0	106.4	

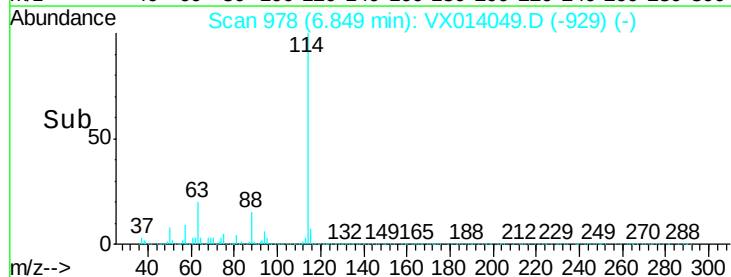
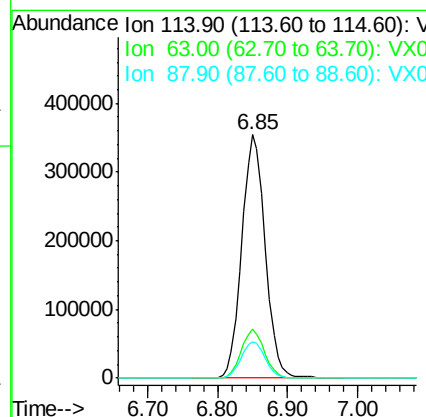
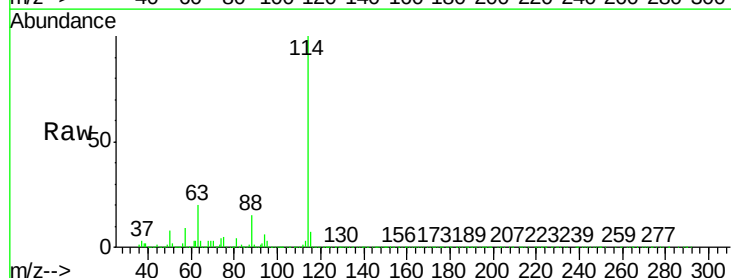
Manual Integrations
APPROVED

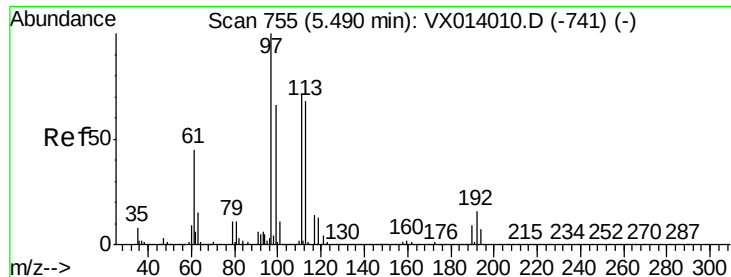
apatel
12/17/2019 4:50:17 PM



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	823260		
63	20.3	0.0	40.8	
88	15.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.642 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

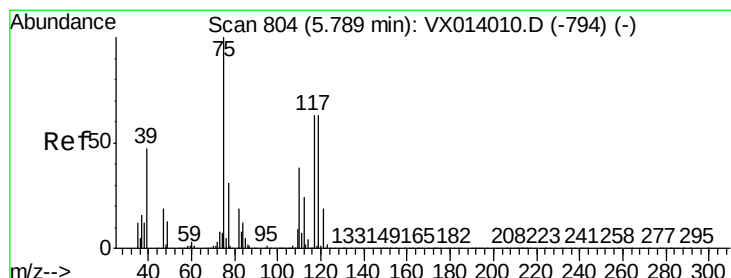
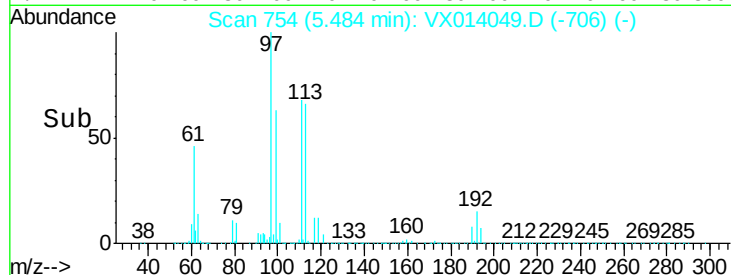
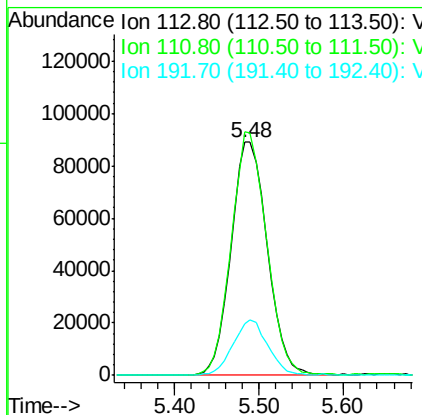
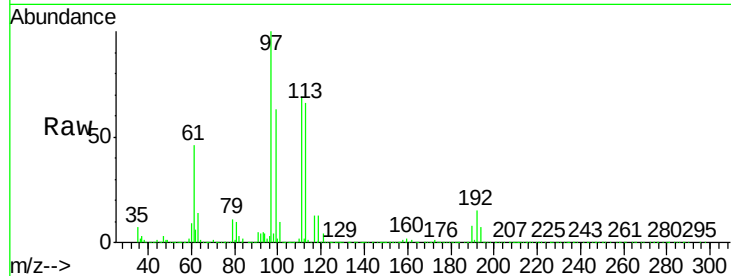
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	258445
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.0	123.0
192	23.1	19.3	28.9

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#36

1,1-Dichloropropene

Concen: 49.375 ug/l

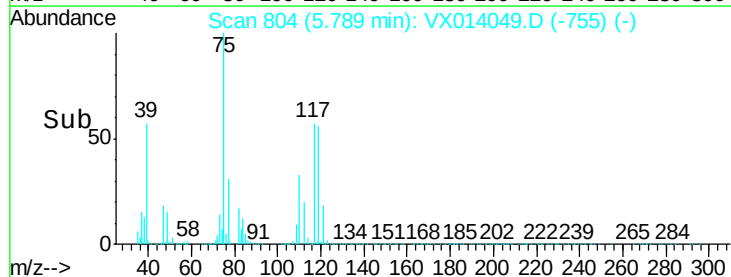
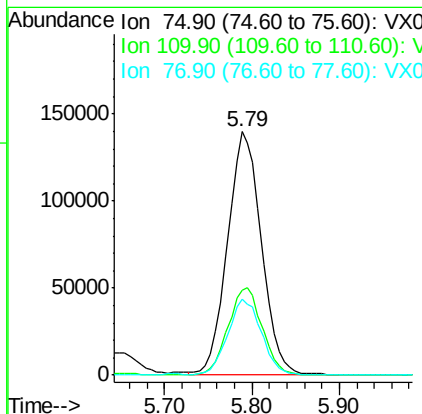
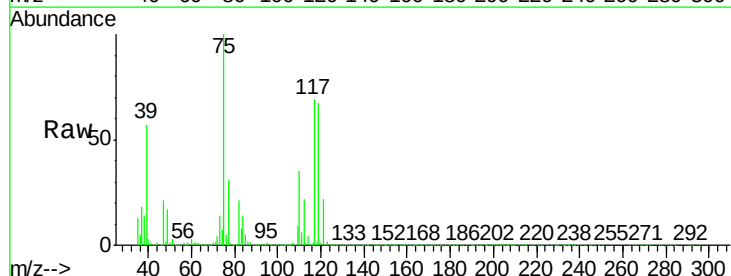
RT: 5.79 min Scan# 804

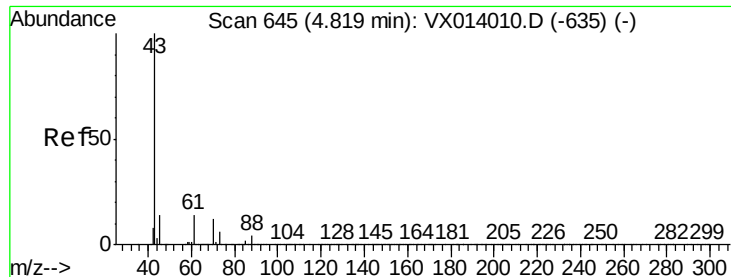
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	75	Resp:	372973
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.3	54.9
77	30.9	24.8	37.2





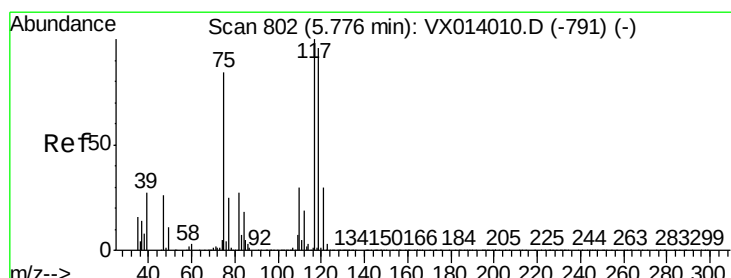
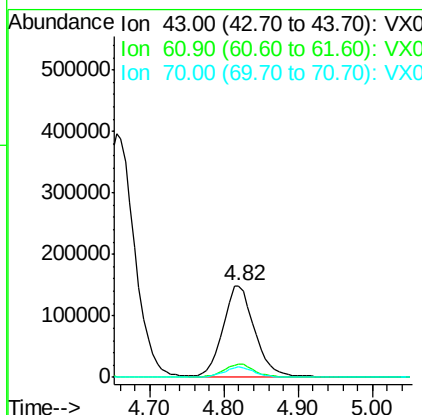
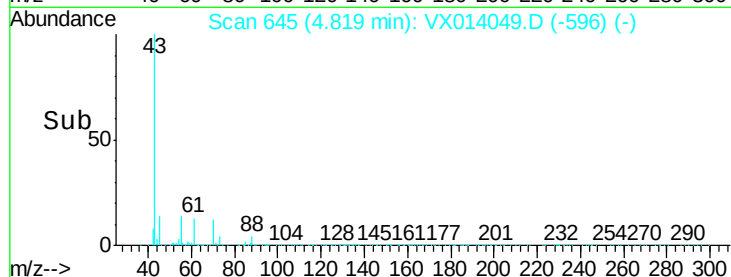
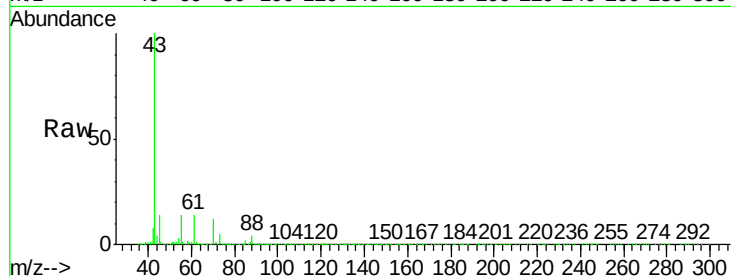
#37
Ethyl Acetate
Concen: 52.476 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	11.2	8.6	12.8

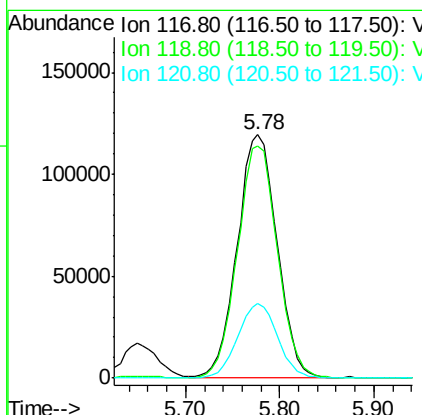
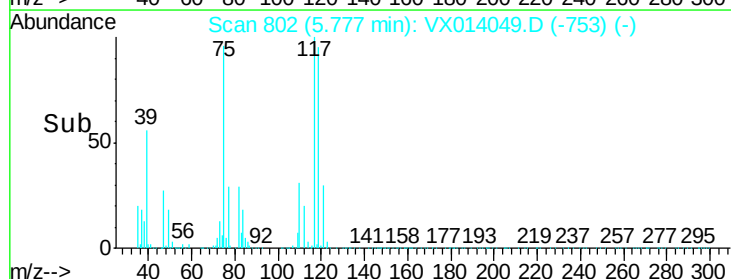
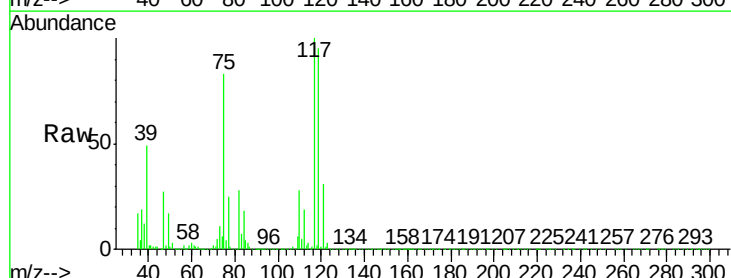
Manual Integrations
APPROVED

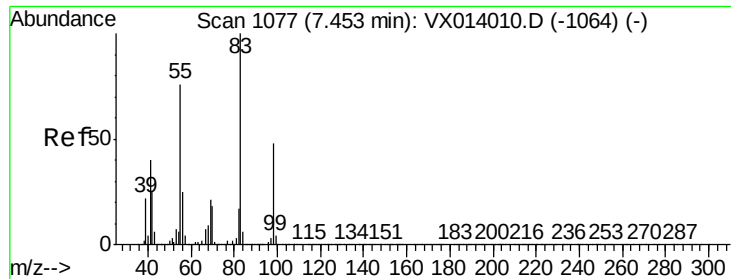
apatel
12/17/2019 4:50:17 PM



#38
Carbon Tetrachloride
Concen: 51.134 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.2	114.4
121	30.7	23.6	35.4





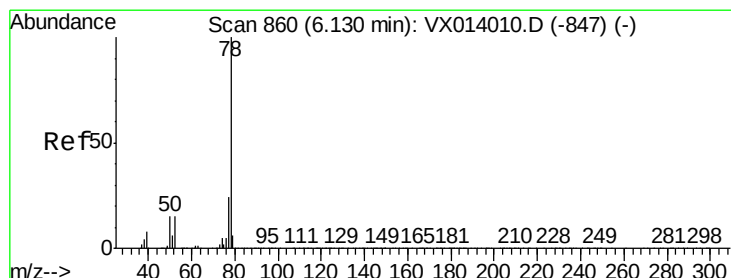
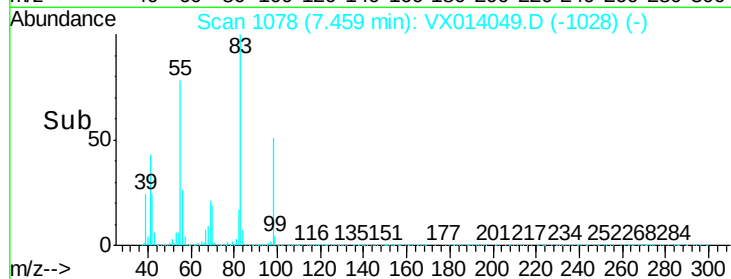
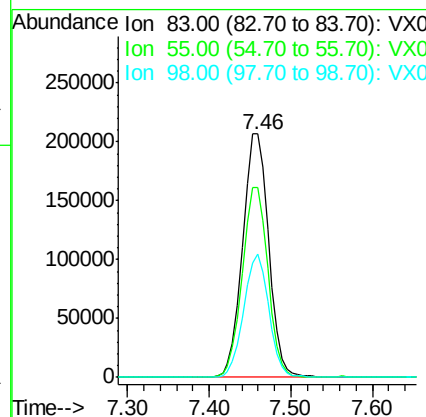
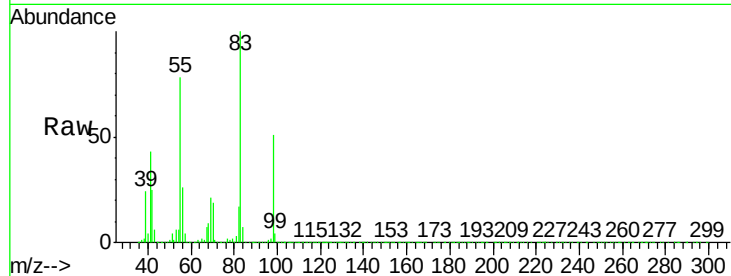
#39
Methylvlcyclohexane
Concen: 48.959 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.0	91.6
98	50.5	38.6	57.8

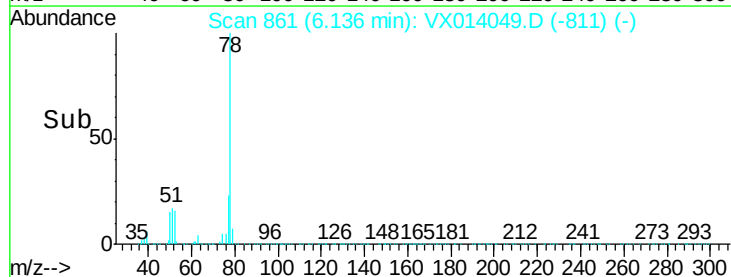
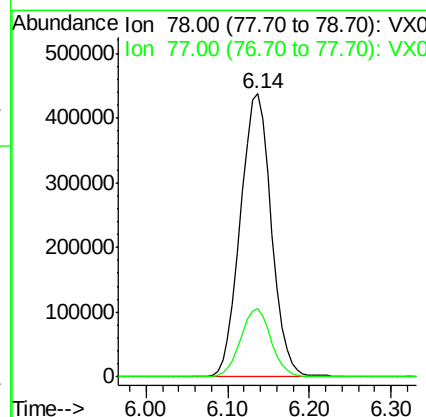
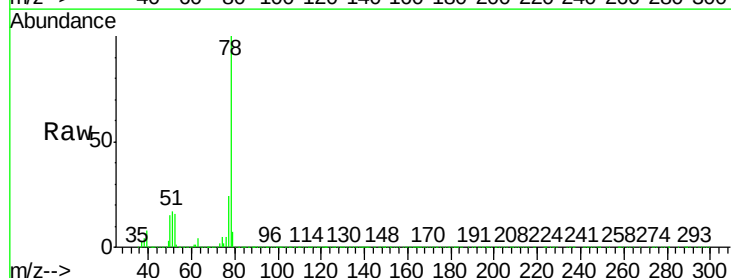
Manual Integrations
APPROVED

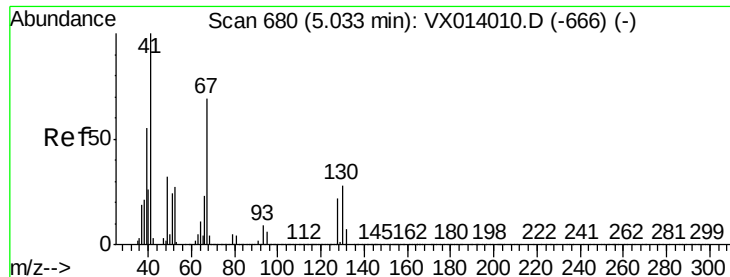
apatel
12/17/2019 4:50:17 PM



#40
Benzene
Concen: 49.618 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





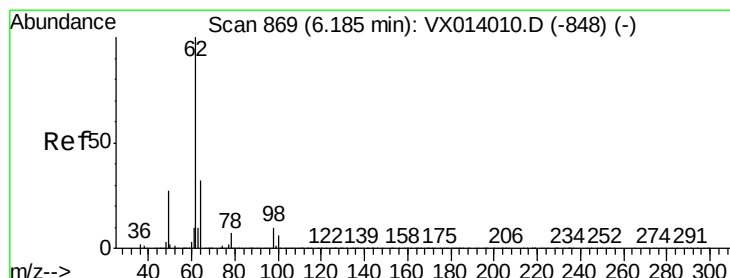
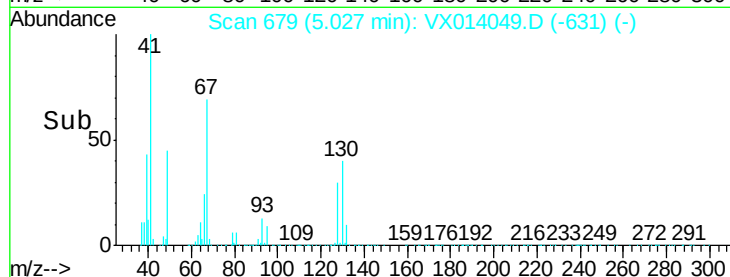
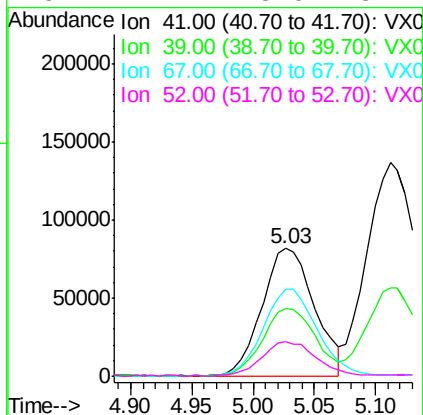
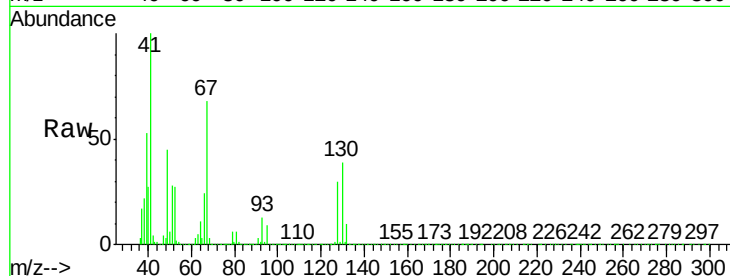
#41
Methacrylonitrile
Concen: 52.408 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		242563		
39	53.3	44.5	66.7		
67	70.9	57.4	86.0		
52	27.7	23.0	34.4		

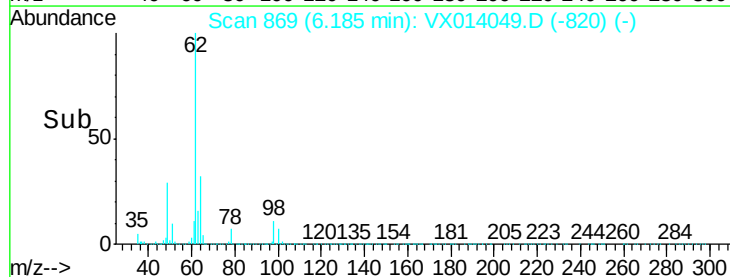
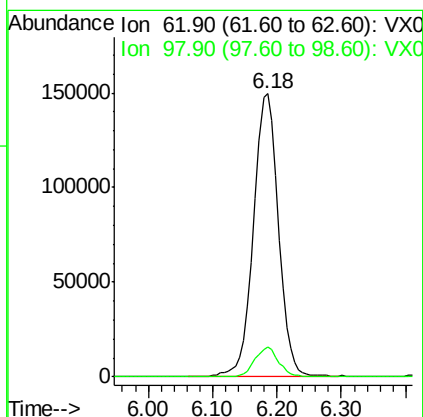
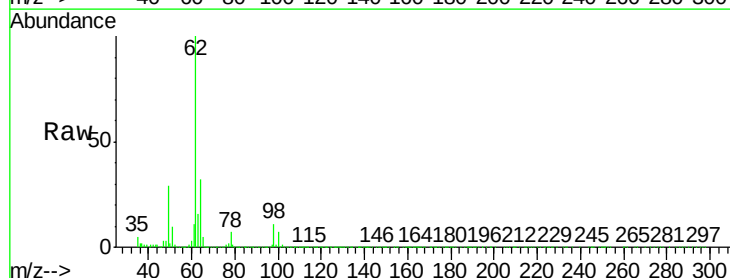
Manual Integrations
APPROVED

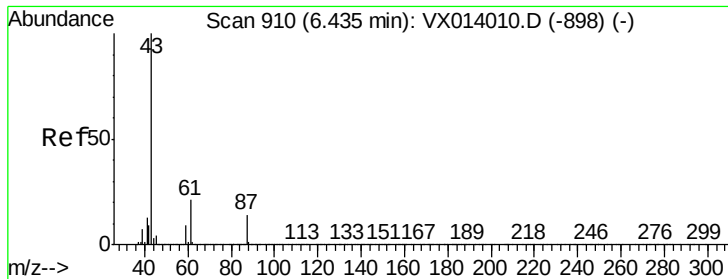
apatel
12/17/2019 4:50:17 PM



#42
1,2-Dichloroethane
Concen: 50.157 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		395171		
98	10.0	0.0	21.0		





#43

Isopropyl Acetate

Concen: 51.102 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

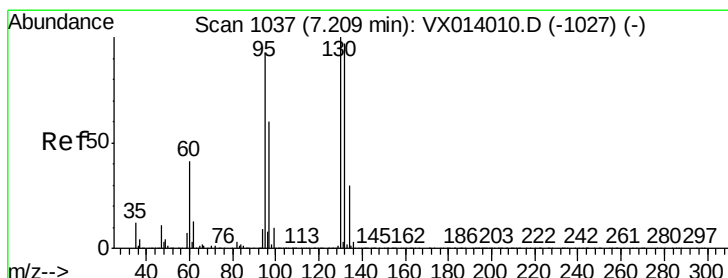
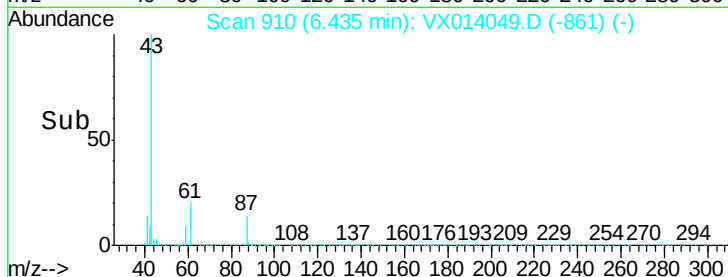
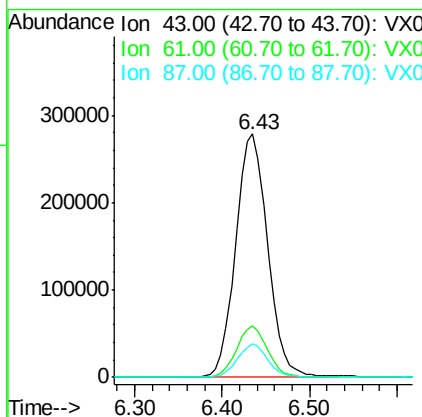
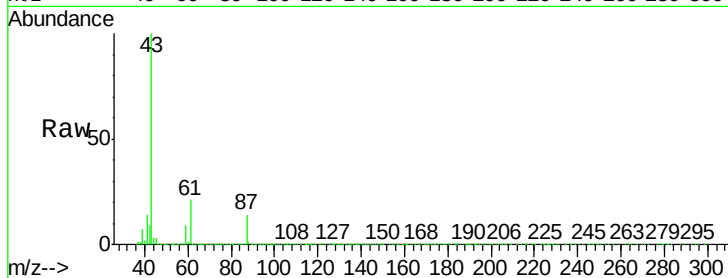
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	705463
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.4	24.6
87	13.1	10.7	16.1

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#44

Trichloroethene

Concen: 49.736 ug/l

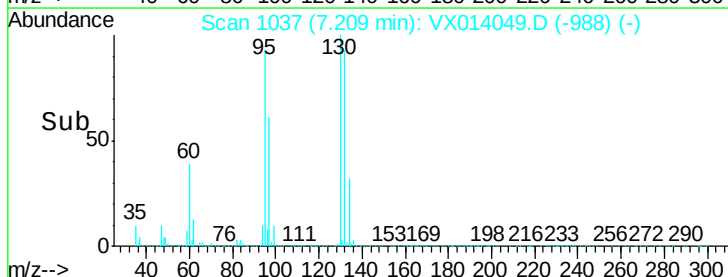
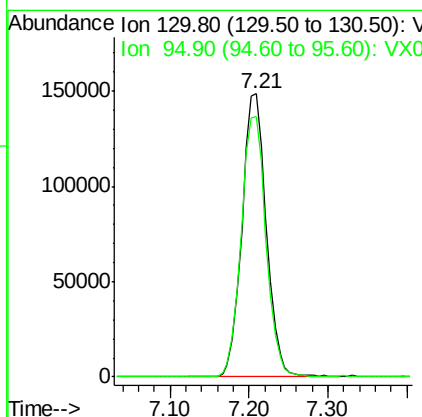
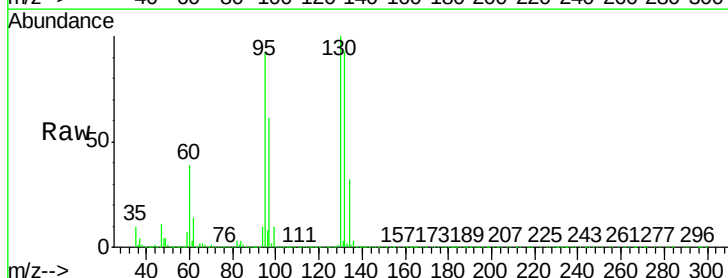
RT: 7.21 min Scan# 1037

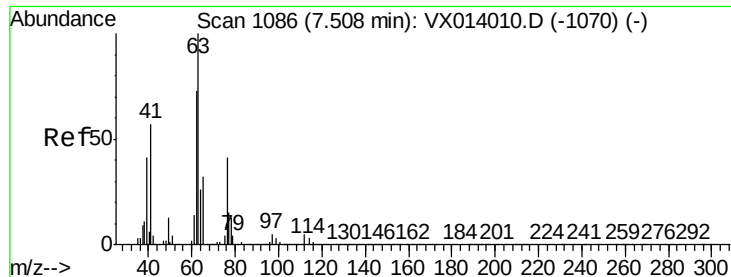
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	130	Resp:	319293
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	185.6





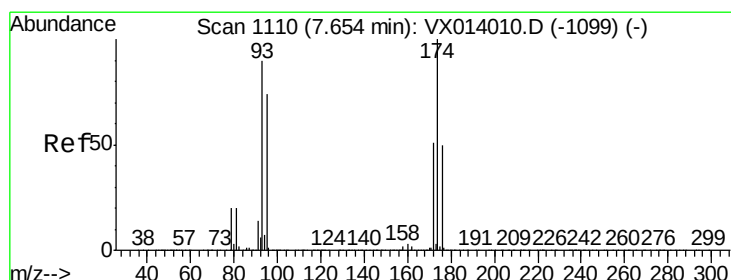
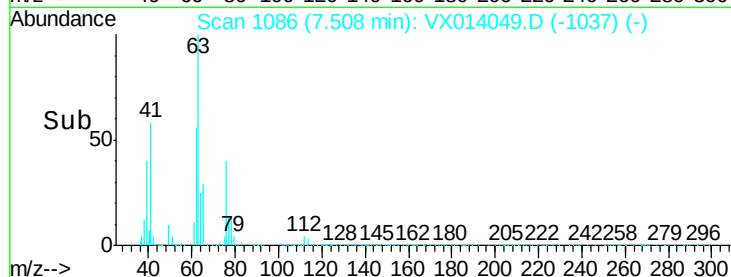
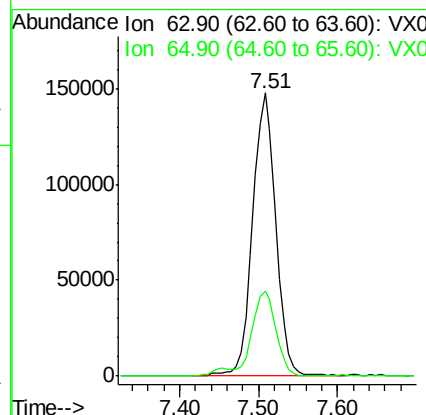
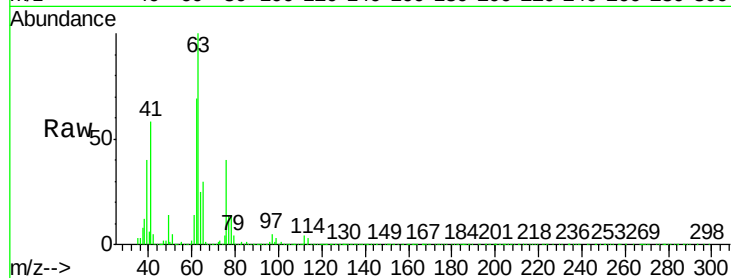
#45
 1,2-Dichloropropane
 Concen: 50.593 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.8	38.8

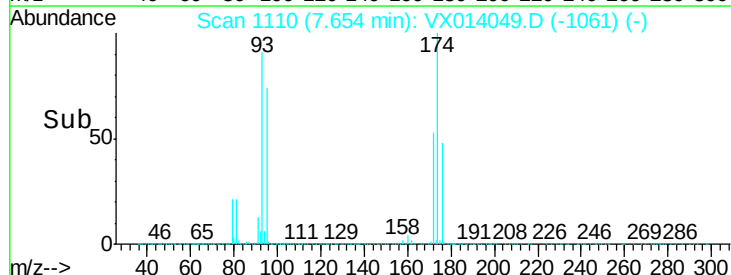
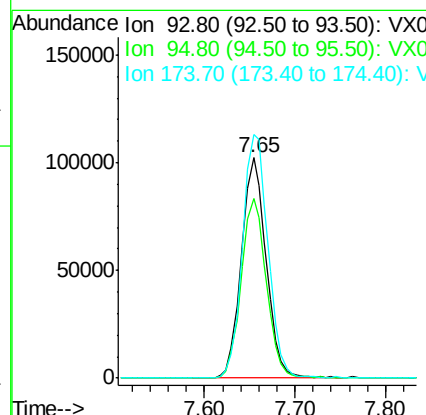
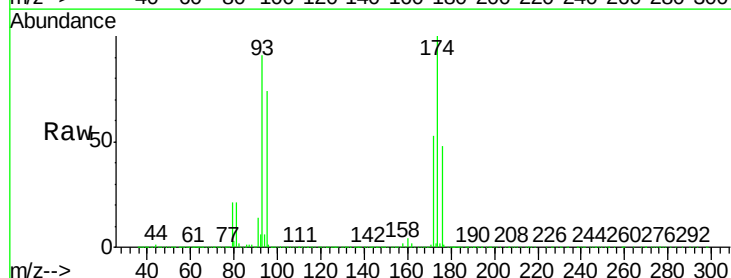
Manual Integrations
 APPROVED

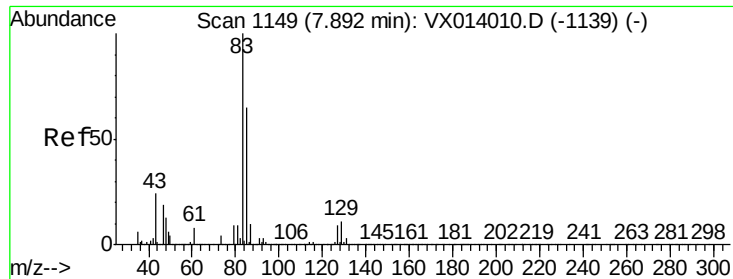
apatel
 12/17/2019 4:50:17 PM



#46
 Dibromomethane
 Concen: 49.060 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.3	100.9
174	114.0	91.6	137.4





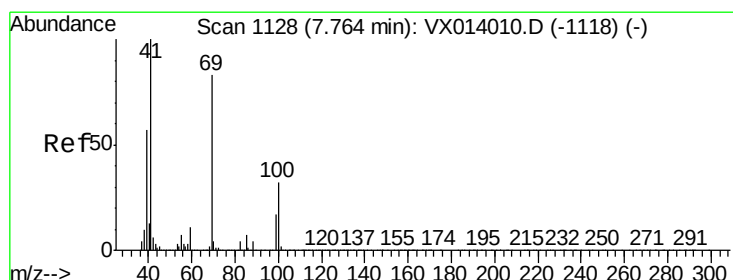
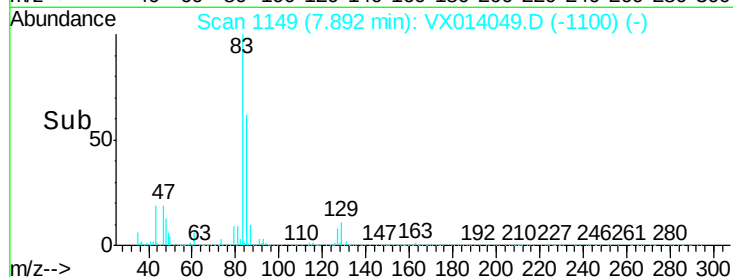
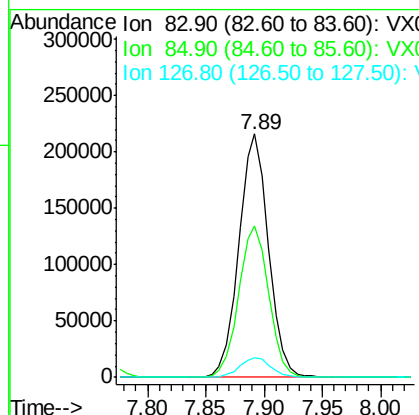
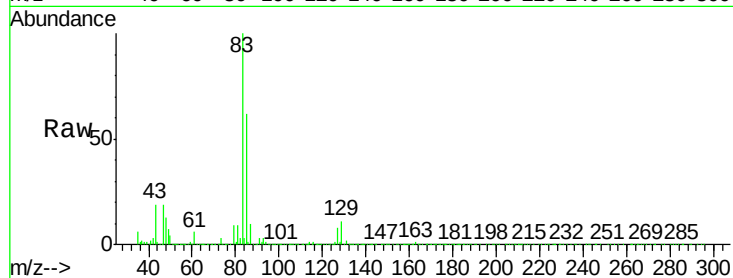
#47
Bromodichloromethane
Concen: 51.317 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	380662		
85	62.0		51.8	77.8
127	8.1		7.0	10.4

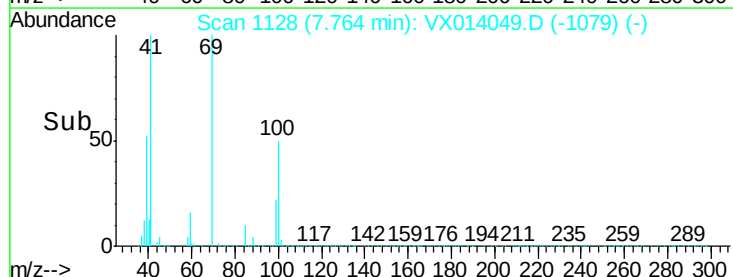
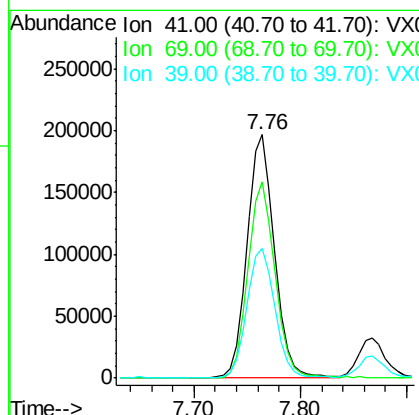
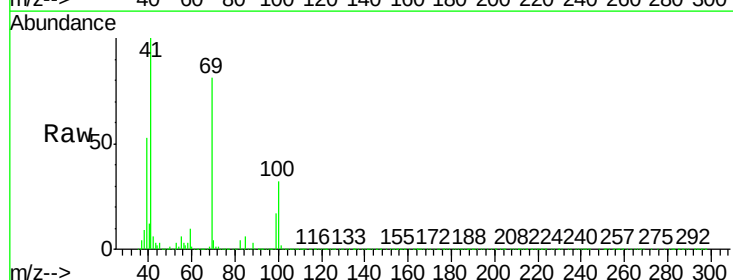
Manual Integrations
APPROVED

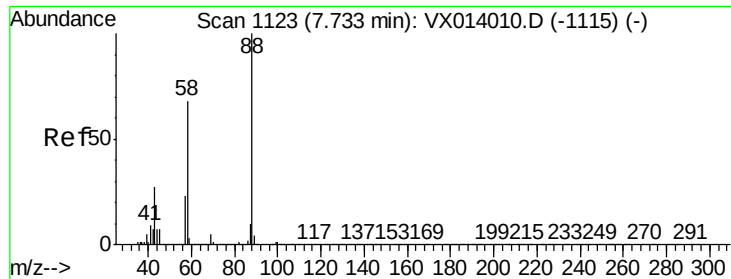
apatel
12/17/2019 4:50:17 PM



#48
Methyl methacrylate
Concen: 52.415 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	354321		
69	80.0		65.8	98.6
39	54.4		44.6	67.0





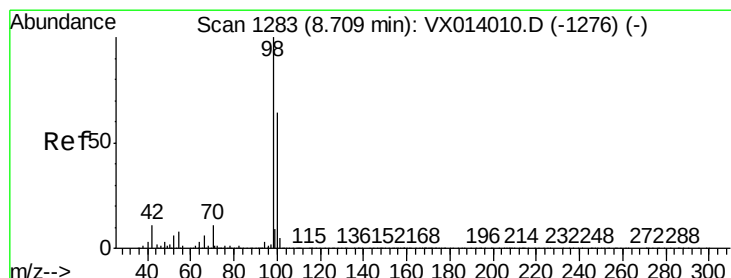
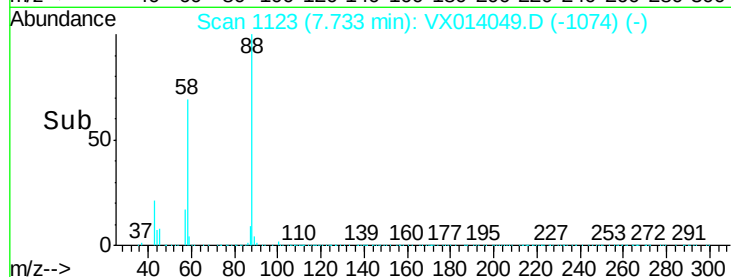
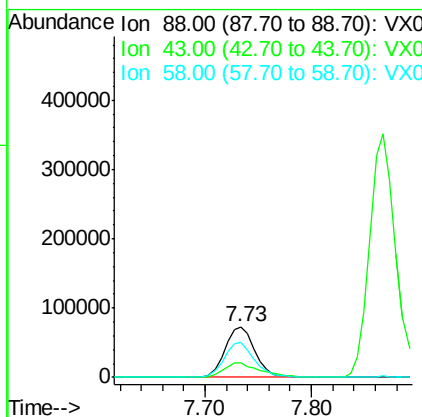
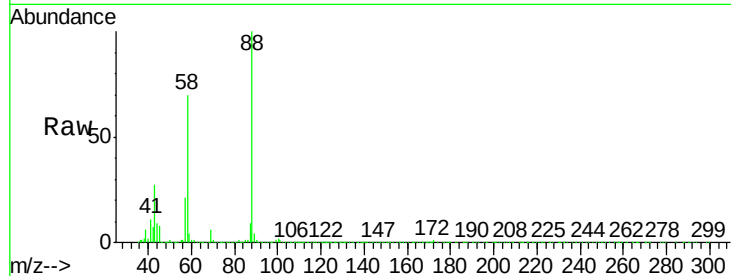
#49
1,4-Dioxane
Concen: 1025.058 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.5	39.7
58	70.6	56.8	85.2

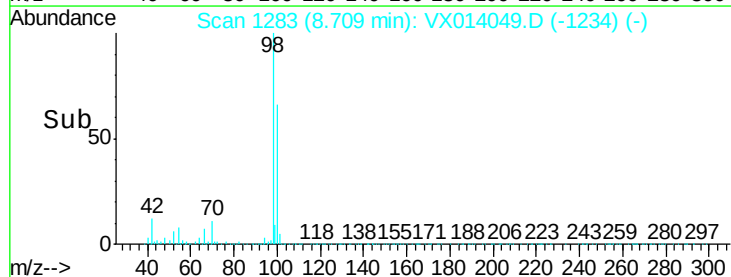
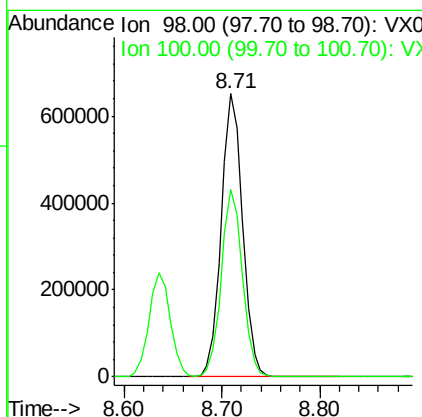
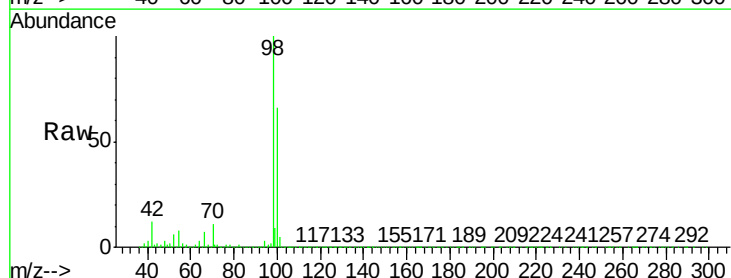
Manual Integrations
APPROVED

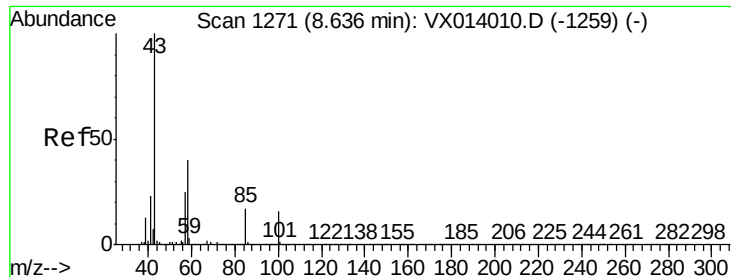
apatel
12/17/2019 4:50:17 PM



#50
Toluene-d8
Concen: 50.716 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





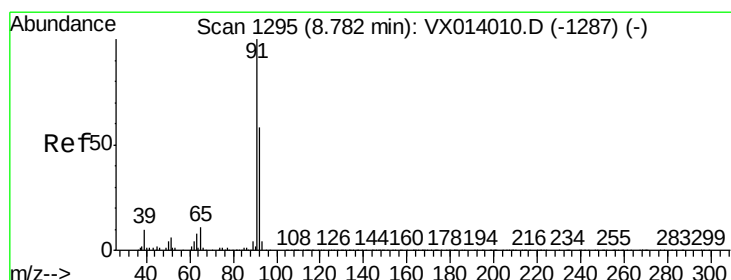
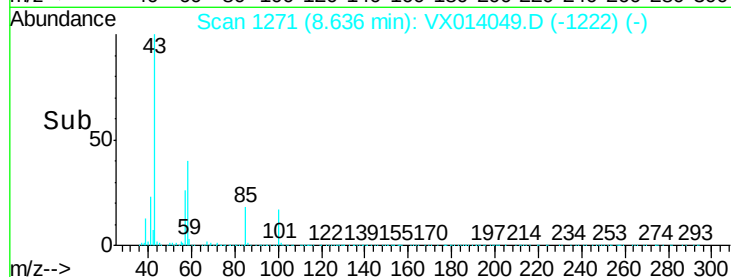
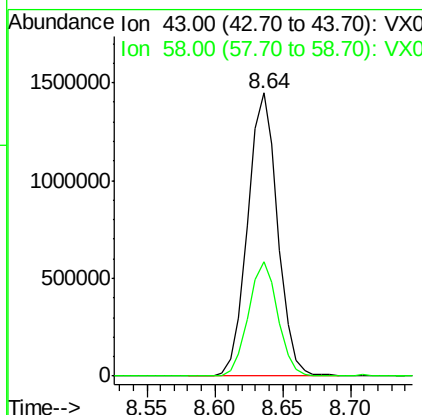
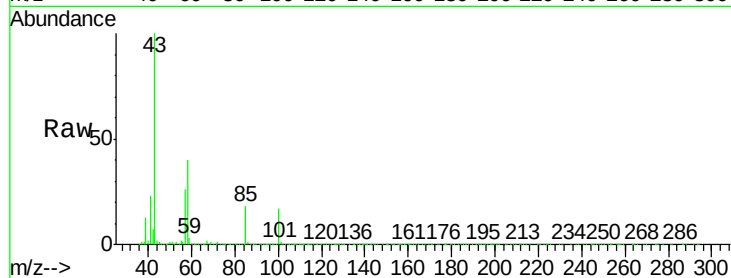
#51
4-Methyl-2-Pentanone
Concen: 257.734 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2234494
Ion Ratio Lower Upper
43 100
58 39.8 32.2 48.2

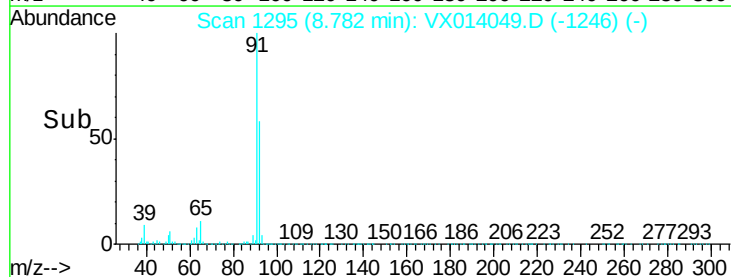
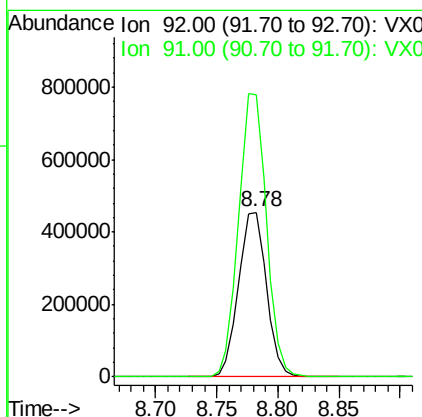
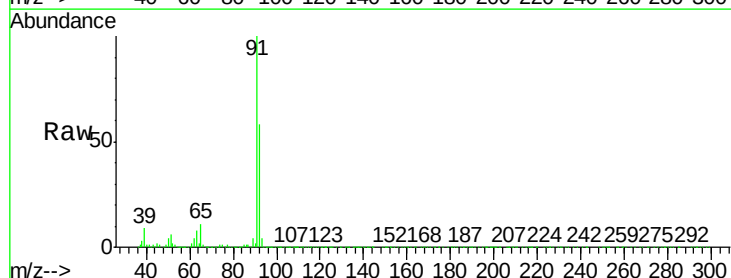
Manual Integrations
APPROVED

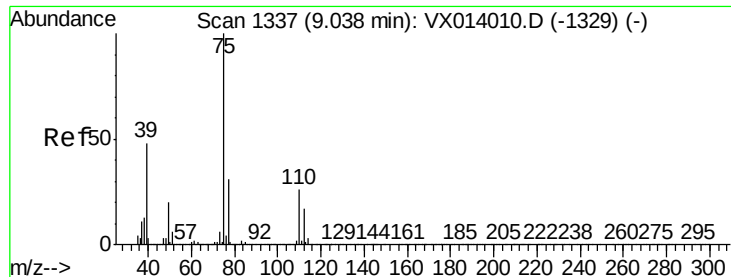
apatel
12/17/2019 4:50:17 PM



#52
Toluene
Concen: 48.957 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion: 92 Resp: 719215
Ion Ratio Lower Upper
92 100
91 171.3 136.2 204.4





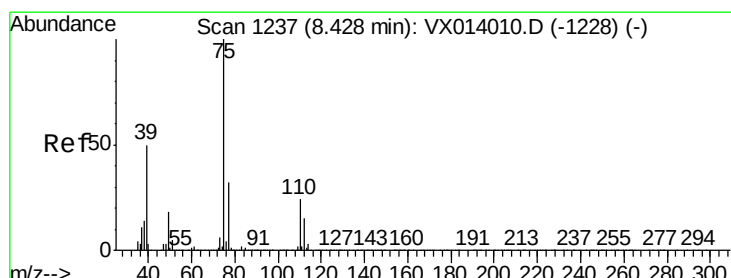
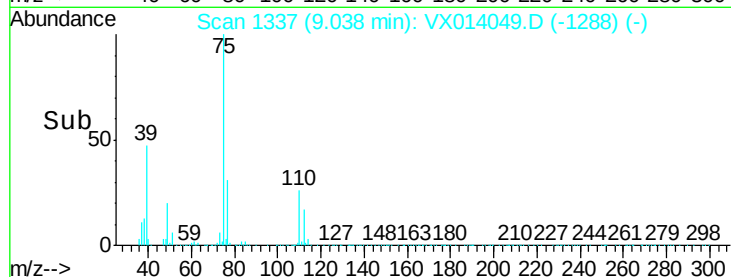
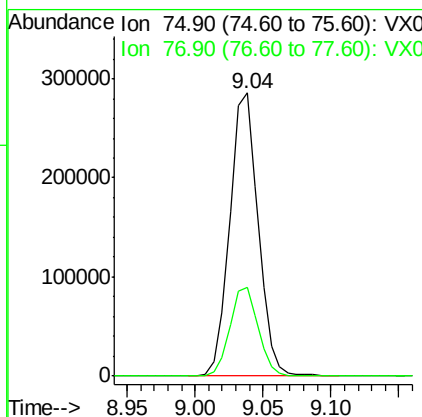
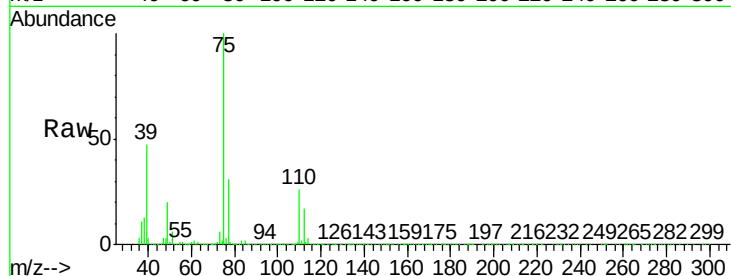
#53
t-1,3-Dichloropropene
Concen: 51.018 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 414961
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

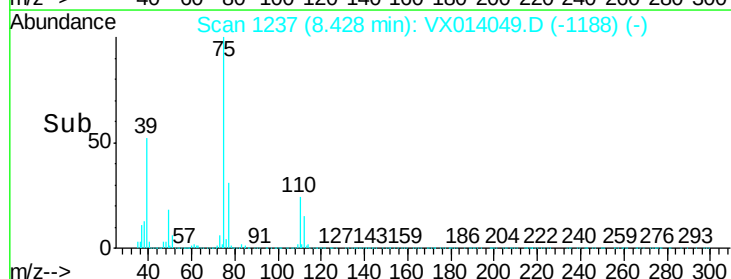
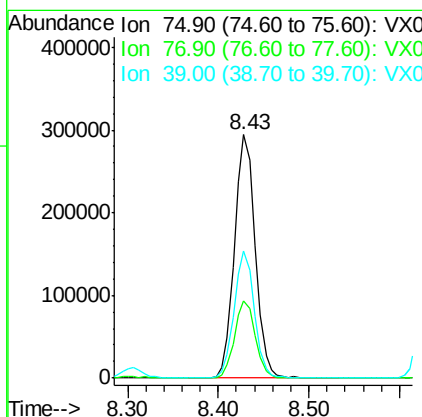
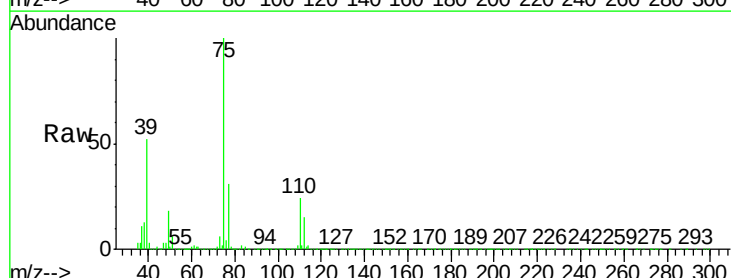
Manual Integrations
APPROVED

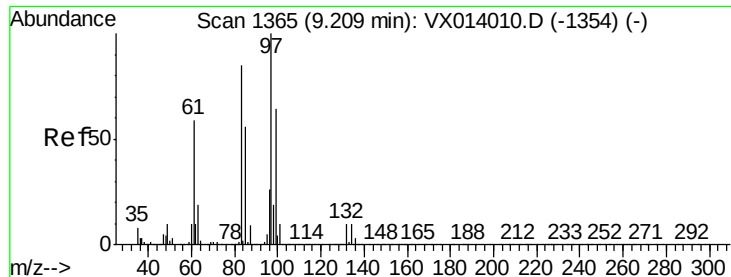
apatel
12/17/2019 4:50:17 PM



#54
cis-1,3-Dichloropropene
Concen: 51.518 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion: 75 Resp: 466824
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 52.0 39.9 59.9





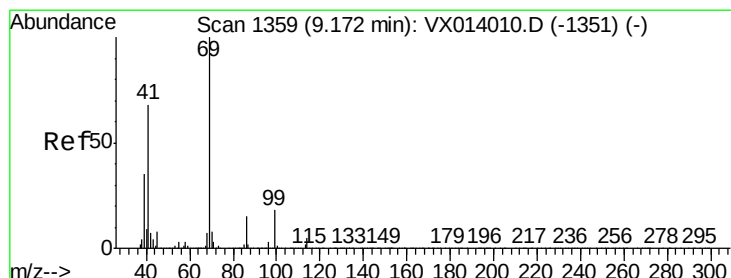
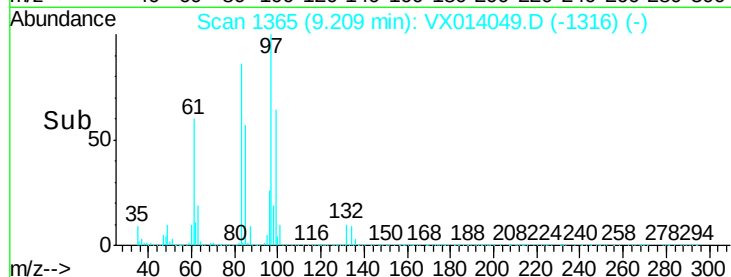
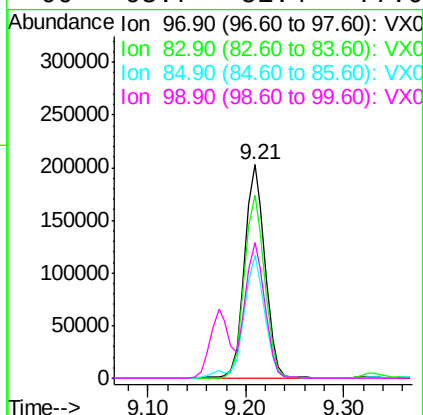
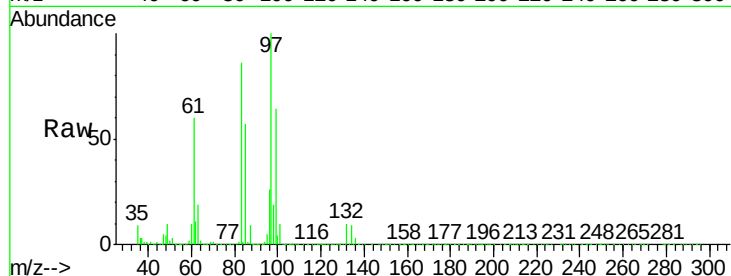
#55
 1,1,2-Trichloroethane
 Concen: 49.771 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		293046		
83	85.8	68.2	102.4		
85	57.3	44.6	66.8		
99	63.7	51.4	77.0		

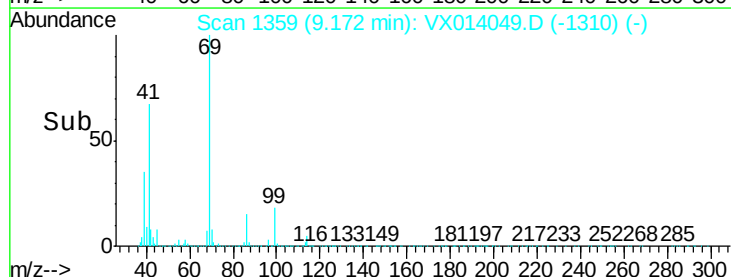
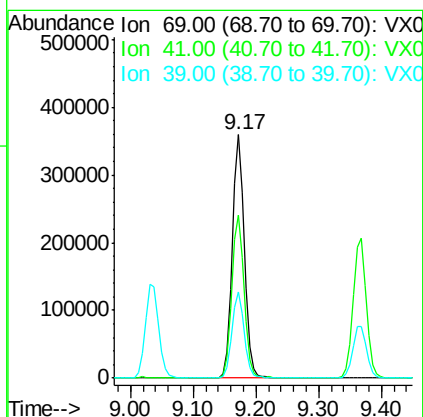
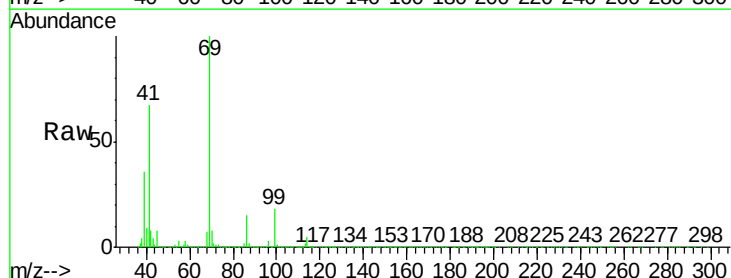
Manual Integrations
 APPROVED

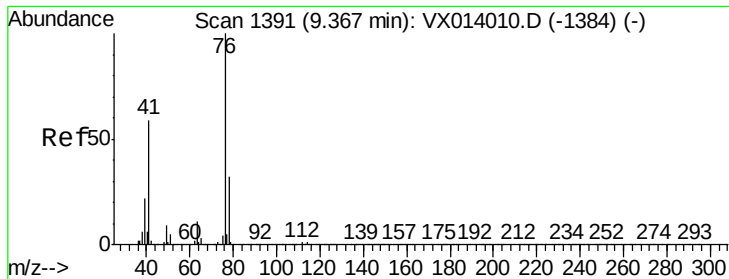
apatel
 12/17/2019 4:50:17 PM



#56
 Ethyl methacrylate
 Concen: 51.796 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		479060		
41	67.9	54.8	82.2		
39	35.9	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 50.236 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 497661

Ion Ratio Lower Upper

76 100

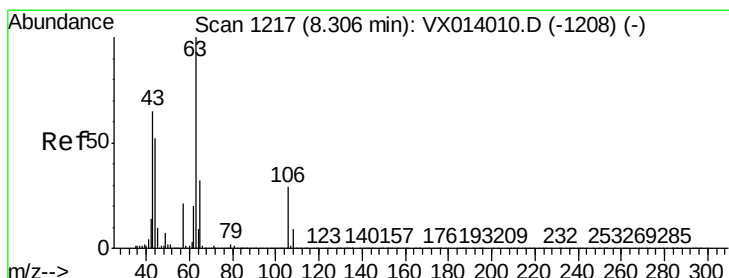
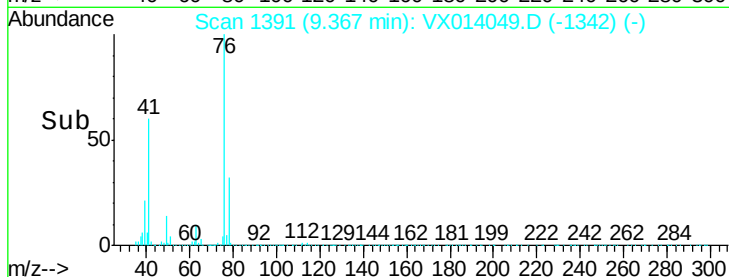
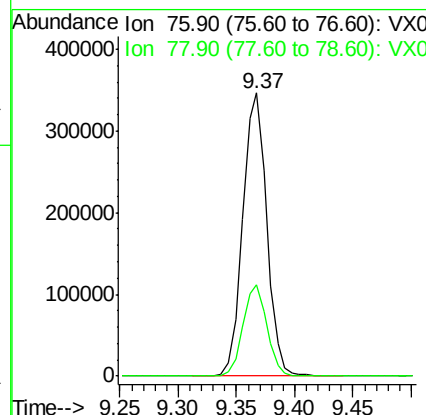
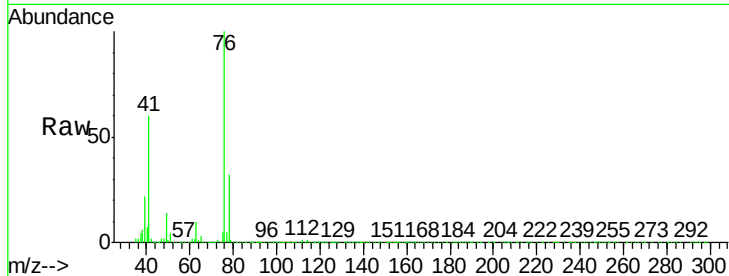
78 32.1 25.8 38.6

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#58

2-Chloroethyl Vinyl ether

Concen: 266.999 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014049.D

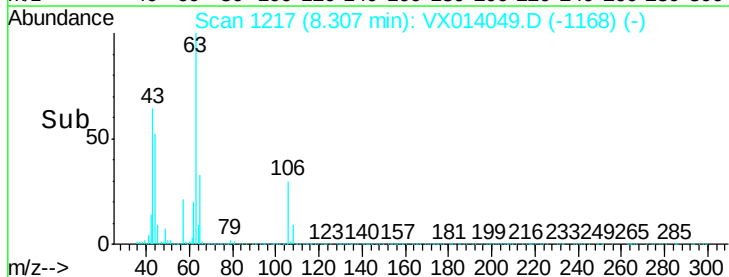
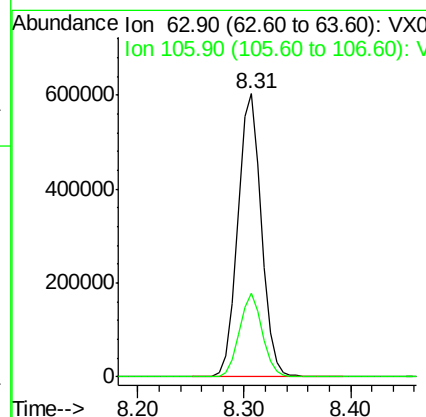
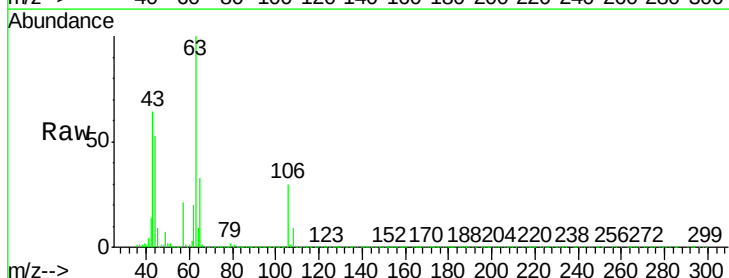
Acq: 16 Dec 2019 20:40

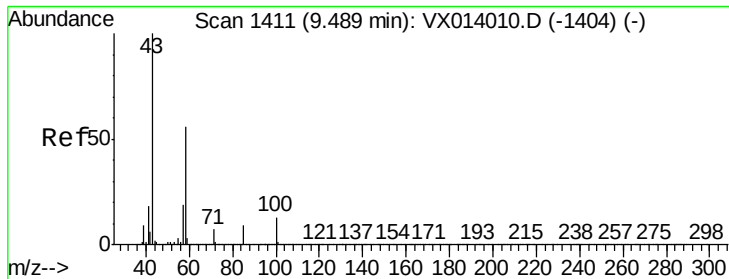
Tgt Ion: 63 Resp: 934531

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6





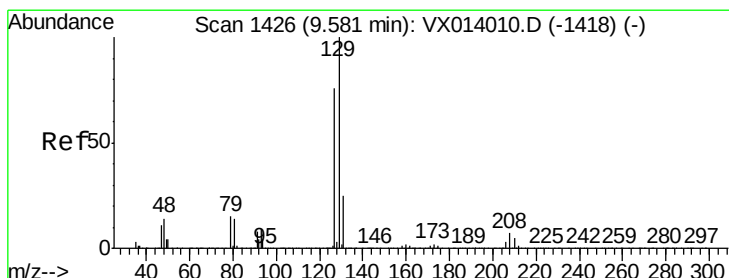
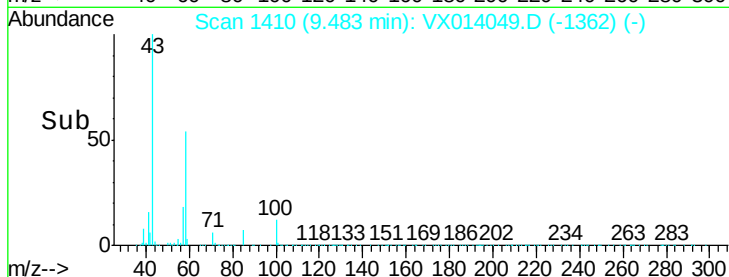
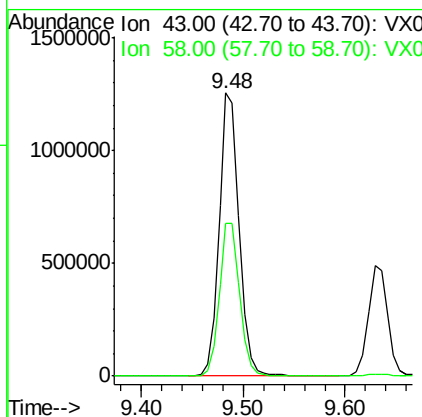
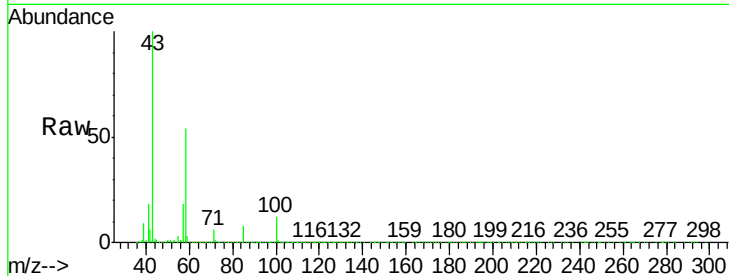
#59
2-Hexanone
Concen: 245.159 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1711004
Ion Ratio Lower Upper
43 100
58 55.4 28.0 84.0

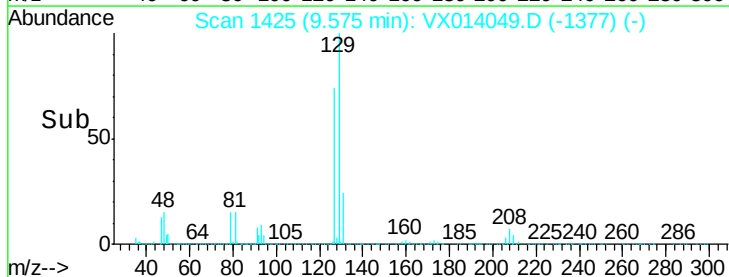
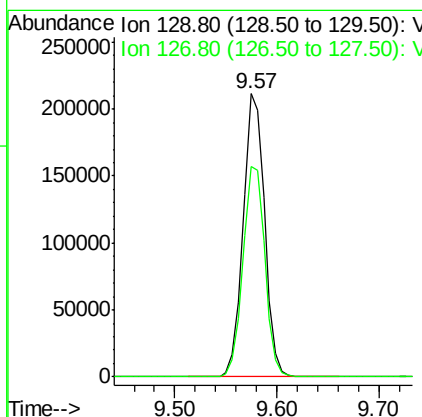
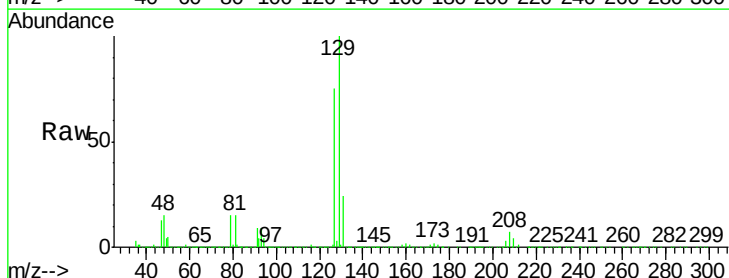
Manual Integrations
APPROVED

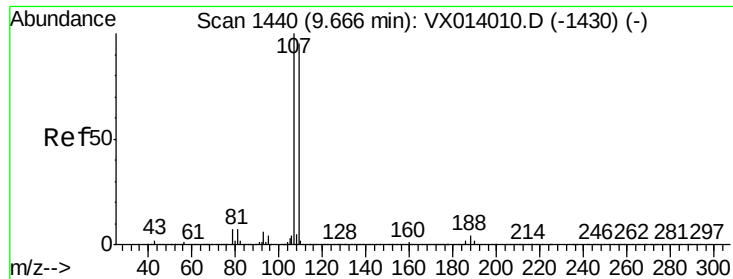
apatel
12/17/2019 4:50:17 PM



#60
Dibromochloromethane
Concen: 52.376 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion: 129 Resp: 306537
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2





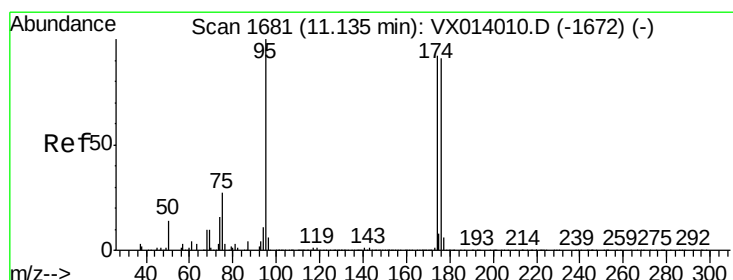
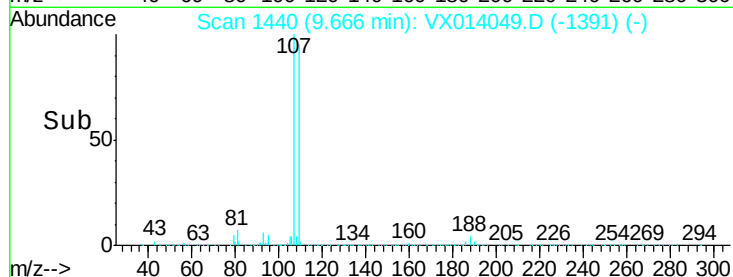
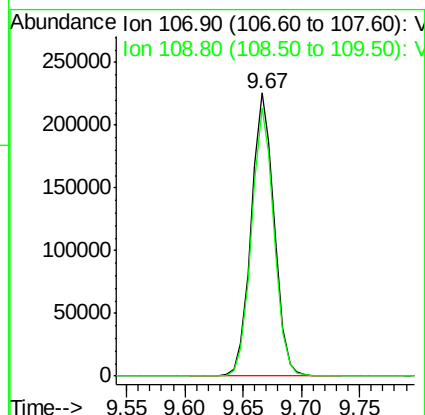
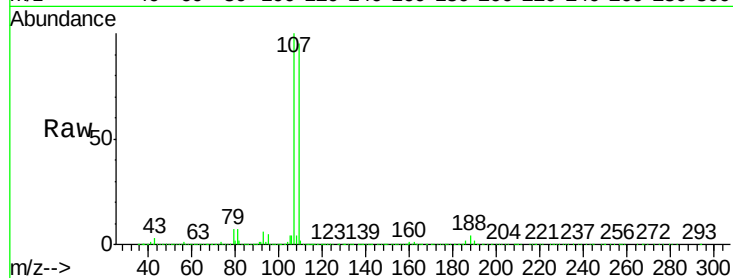
#61
 1,2-Dibromoethane
 Concen: 51.544 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.7	113.5

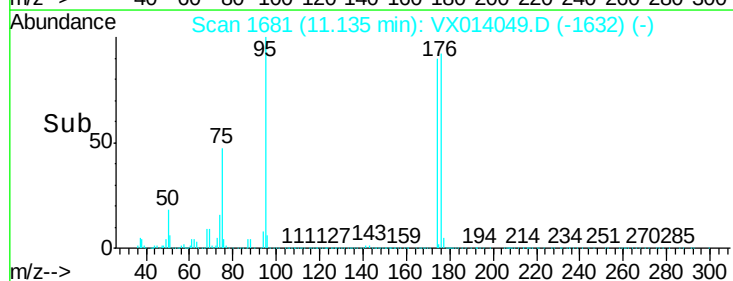
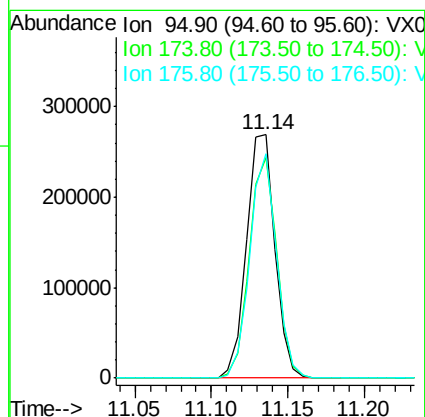
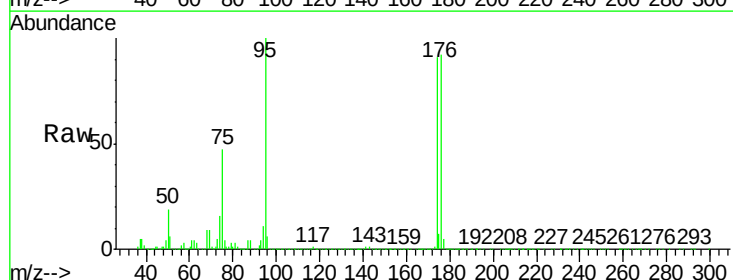
Manual Integrations
 APPROVED

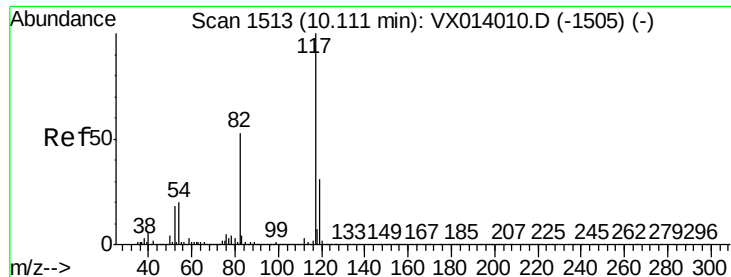
apatel
 12/17/2019 4:50:17 PM



#62
 4-Bromofluorobenzene
 Concen: 48.788 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	175.8
176	86.8	0.0	173.0





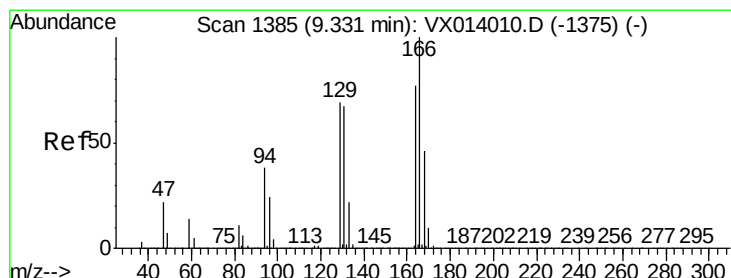
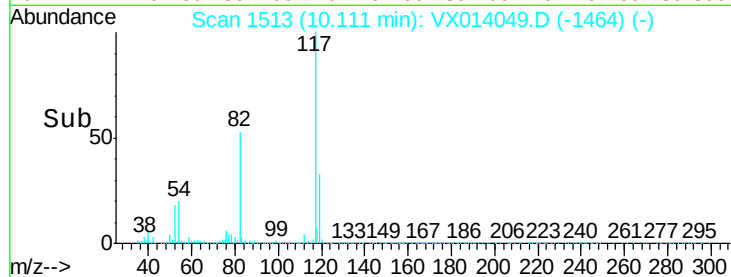
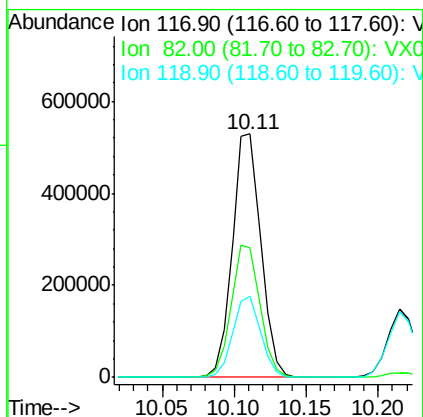
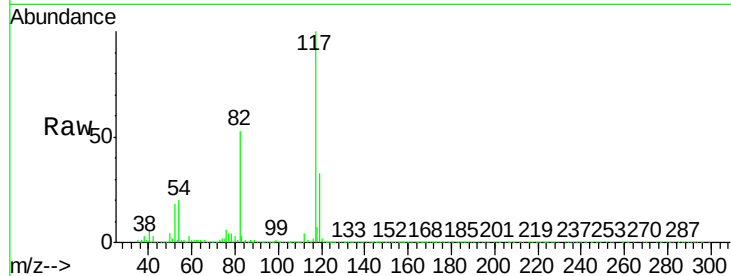
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	33.3	25.1	37.7

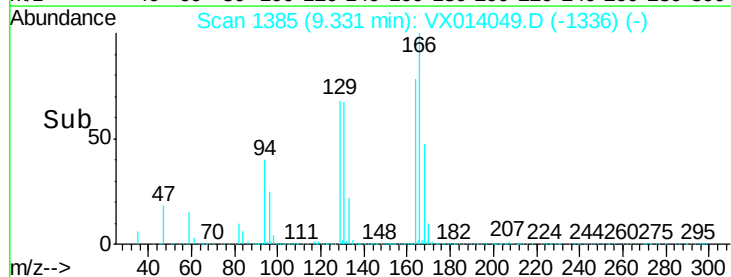
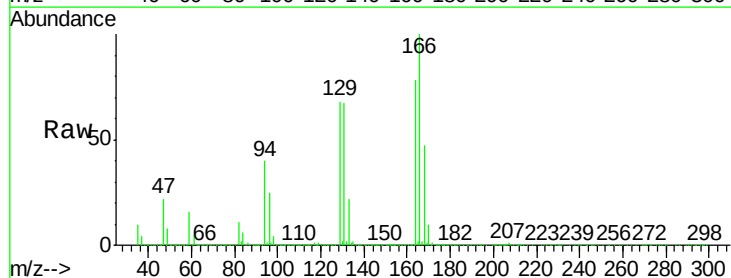
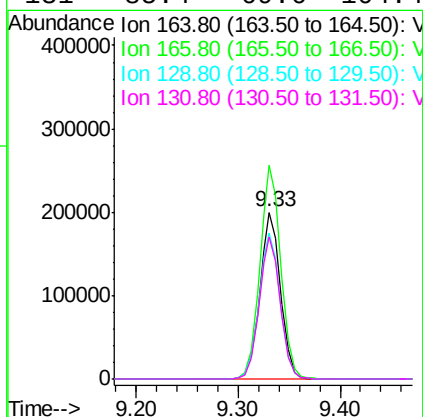
Manual Integrations
APPROVED

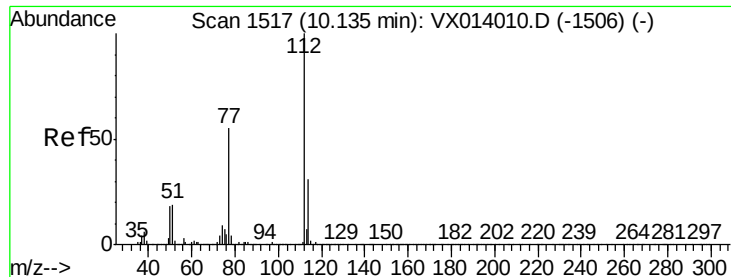
apatel
12/17/2019 4:50:17 PM



#64
Tetrachloroethene
Concen: 43.430 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.0	156.0
129	87.1	72.2	108.4
131	85.4	69.6	104.4





#65

Chlorobenzene

Concen: 49.259 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 770128

Ion Ratio Lower Upper

112 100

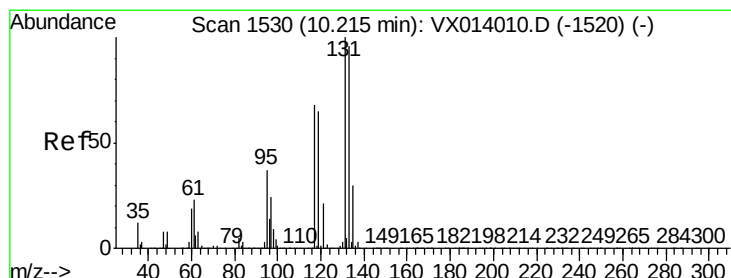
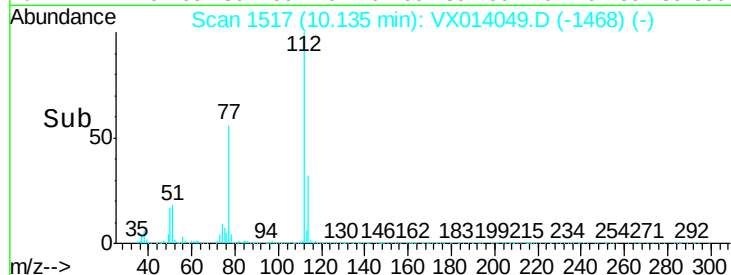
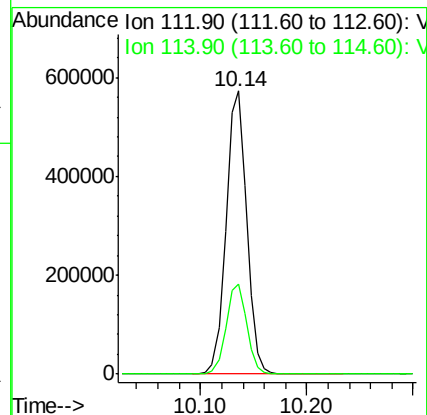
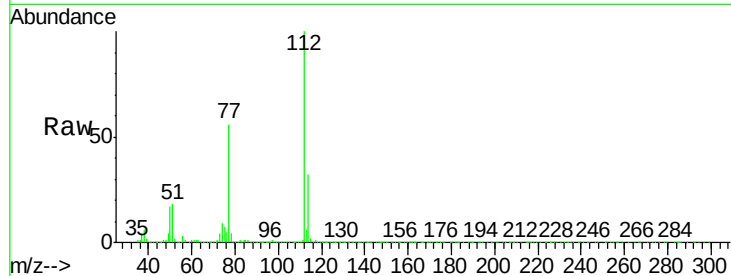
114 32.0 24.9 37.3

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.230 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

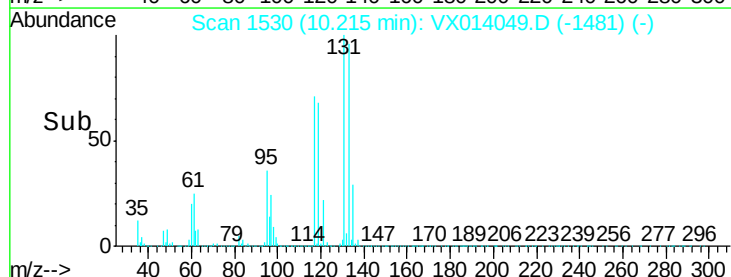
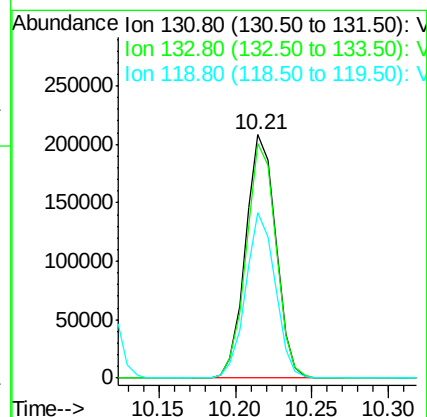
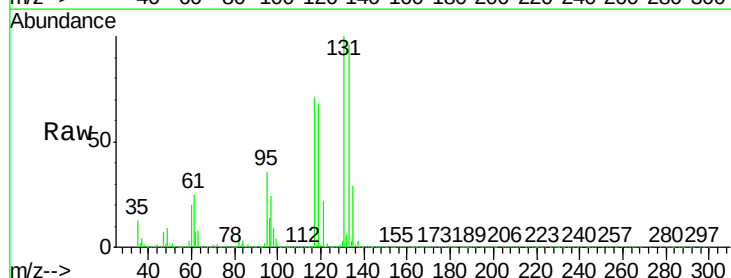
Tgt Ion:131 Resp: 285987

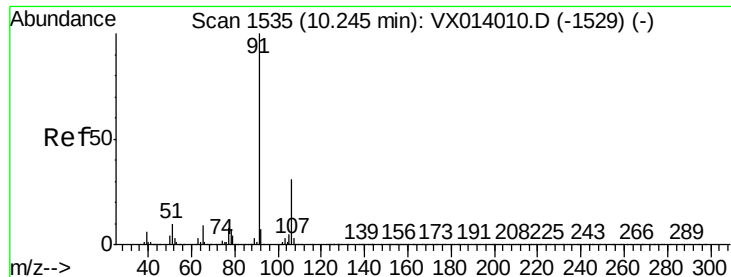
Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.0

119 66.4 33.4 100.2





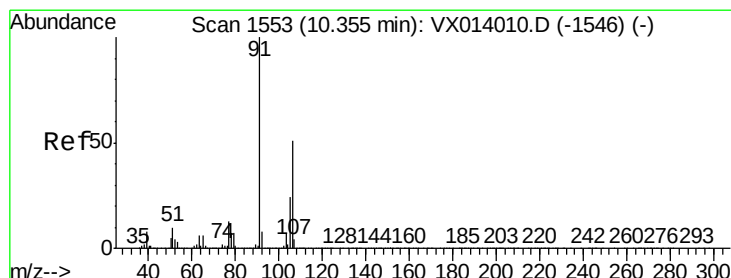
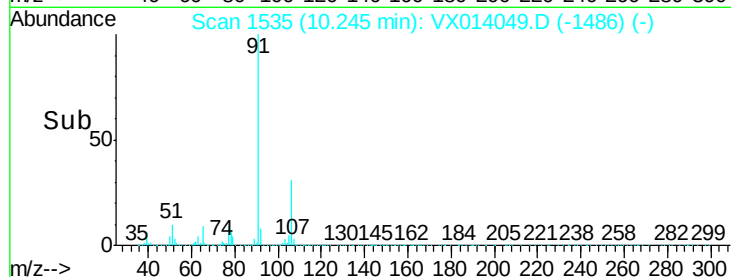
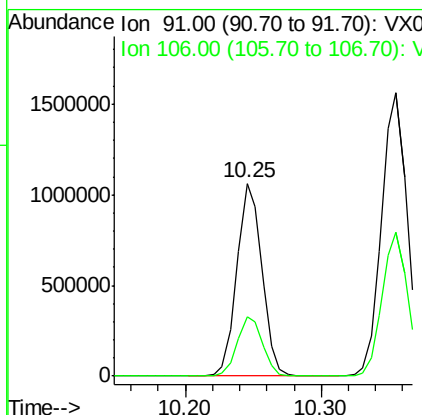
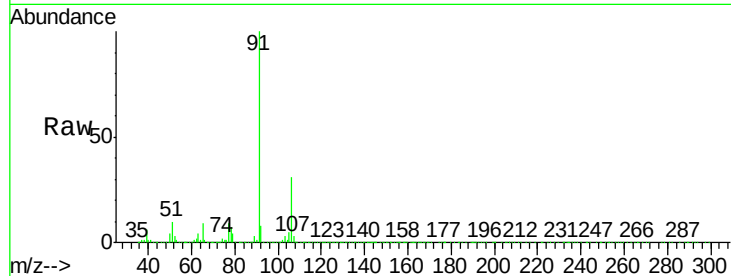
#67
Ethyl Benzene
Concen: 50.540 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1358482
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

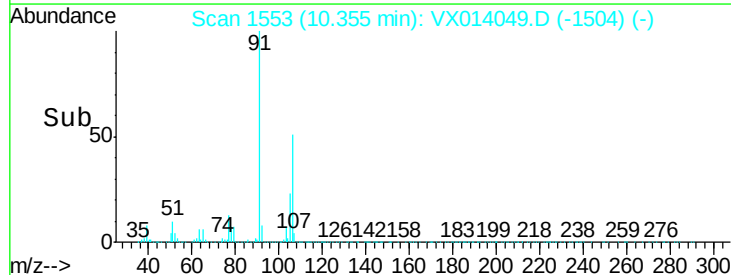
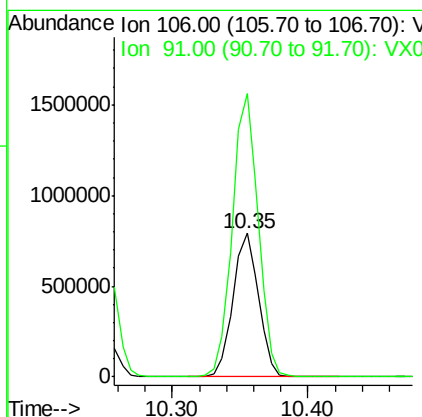
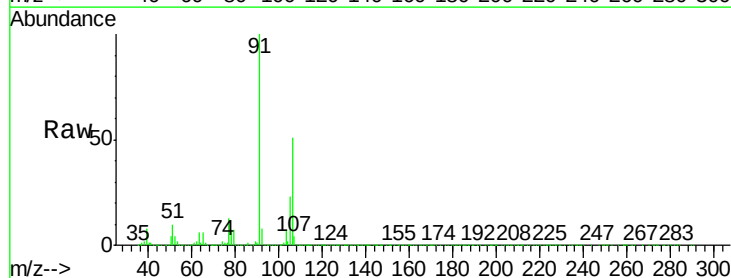
Manual Integrations
APPROVED

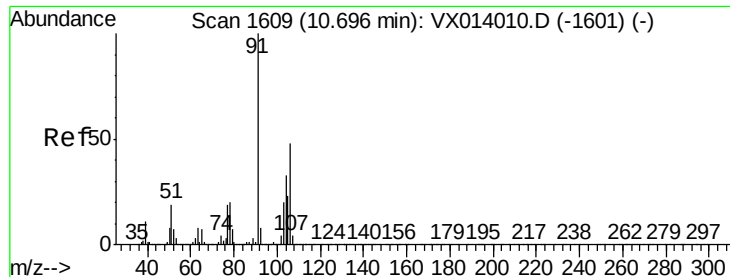
apatel
12/17/2019 4:50:17 PM



#68
m/p-Xylenes
Concen: 99.982 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion: 106 Resp: 1033621
Ion Ratio Lower Upper
106 100
91 199.0 158.6 238.0





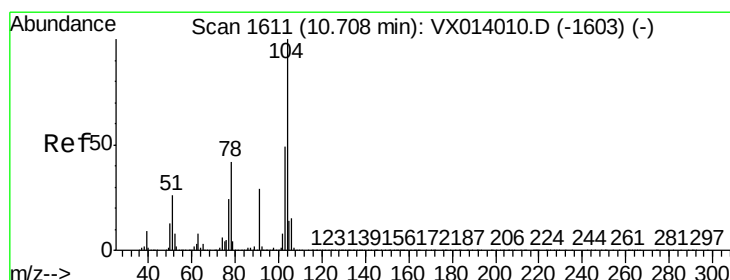
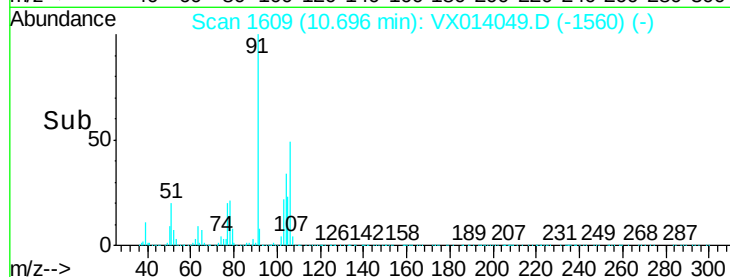
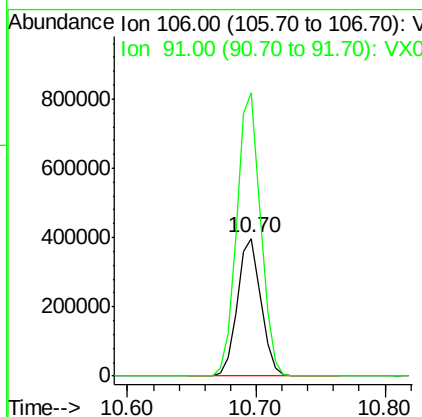
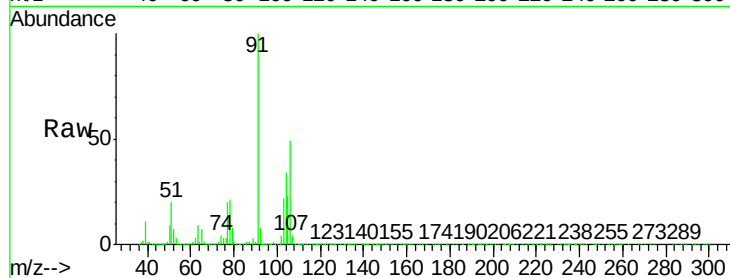
#69
o-Xylene
Concen: 49.742 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	104.2	312.6

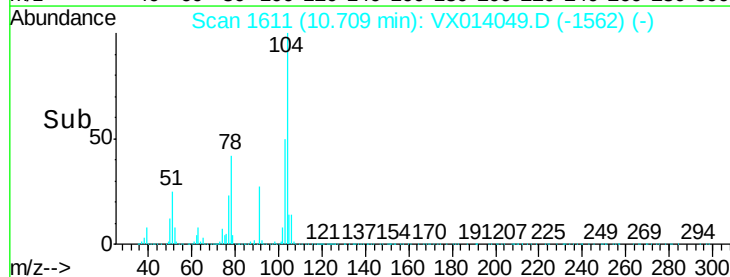
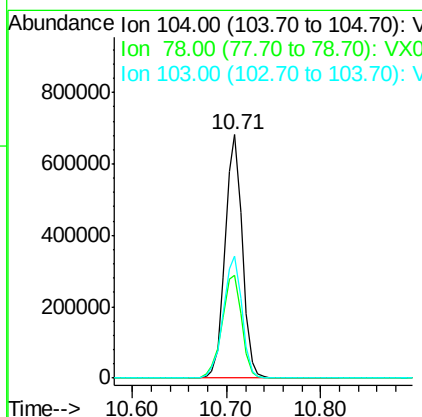
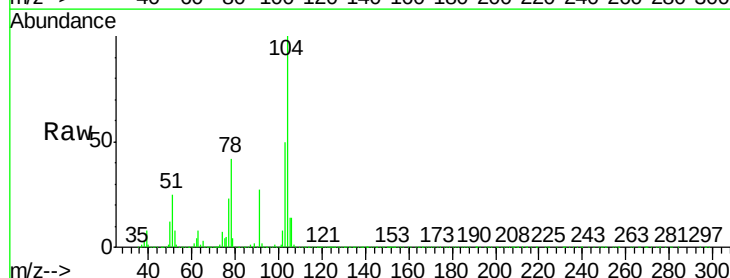
Manual Integrations
APPROVED

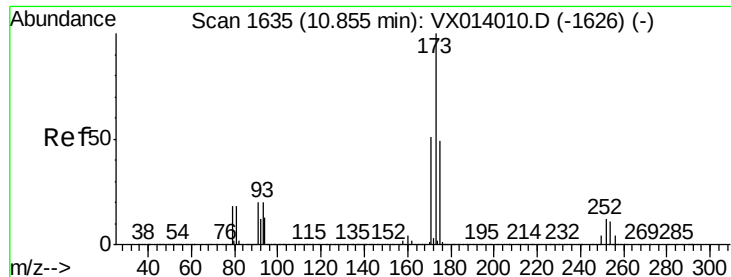
apatel
12/17/2019 4:50:17 PM



#70
Styrene
Concen: 50.403 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.5	57.7
103	54.5	42.9	64.3





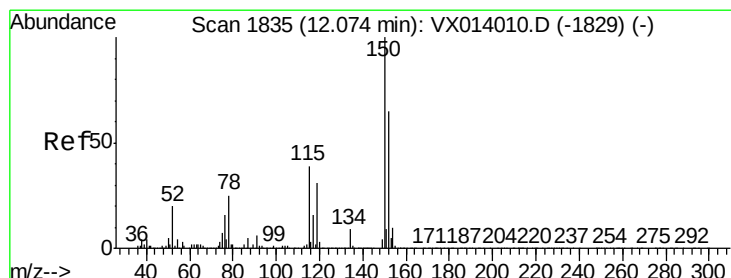
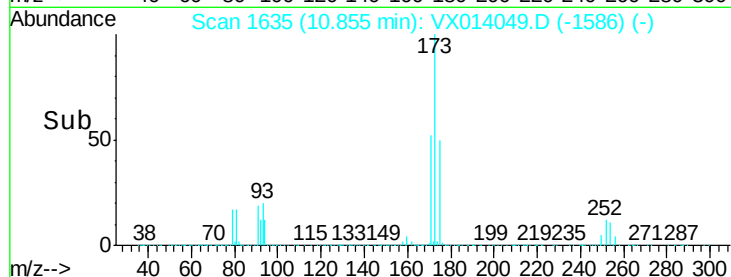
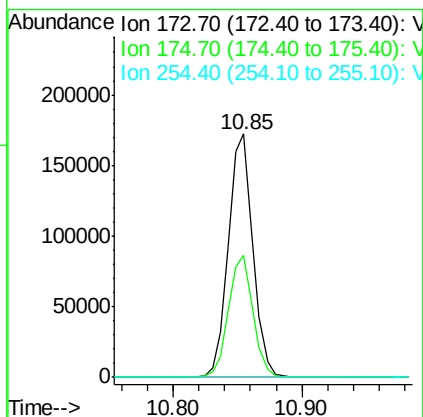
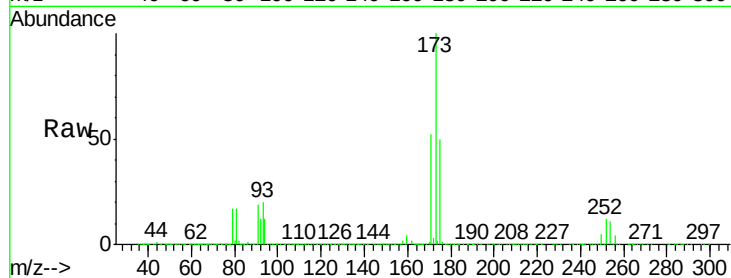
#71
Bromoform
Concen: 51.456 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.4	73.4
254	0.3	0.2	0.2#

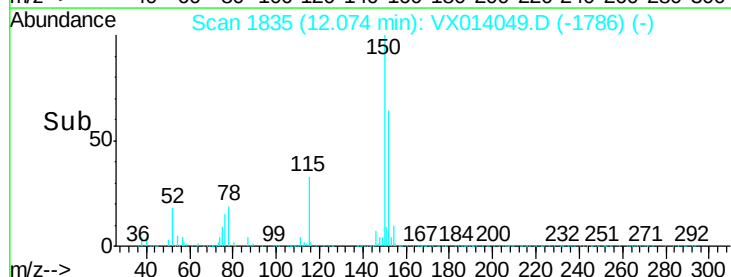
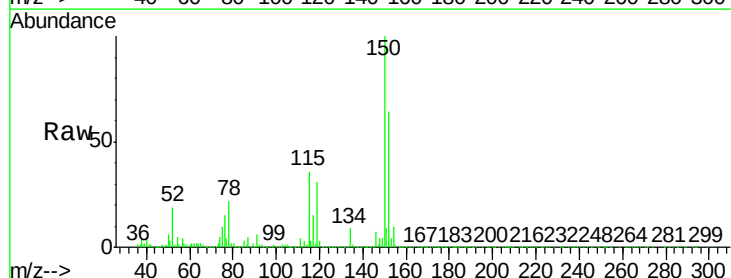
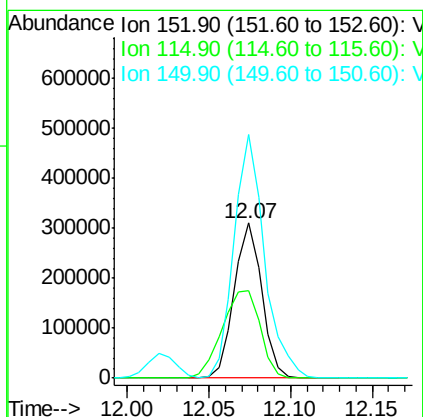
Manual Integrations
APPROVED

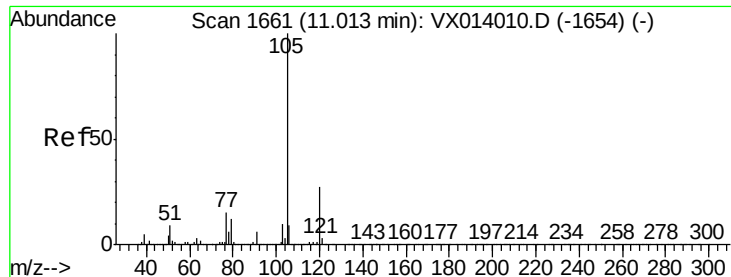
apatel
12/17/2019 4:50:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.1	38.3	114.9
150	173.4	0.0	345.4





#73

Isopropylbenzene

Concen: 51.633 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1331337

Ion Ratio Lower Upper

105 100

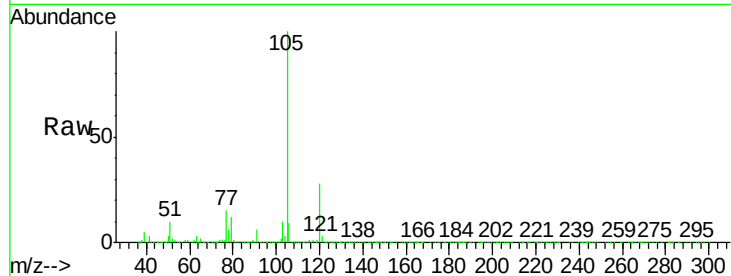
120 27.1 13.5 40.4

Manual Integrations

APPROVED

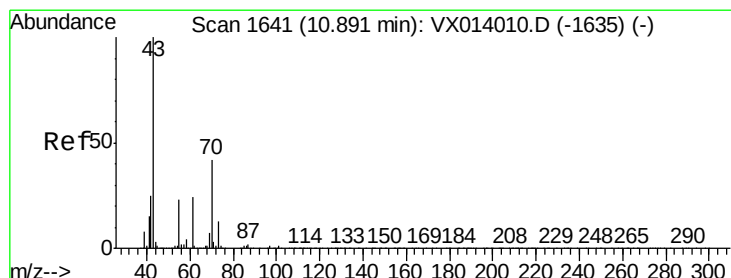
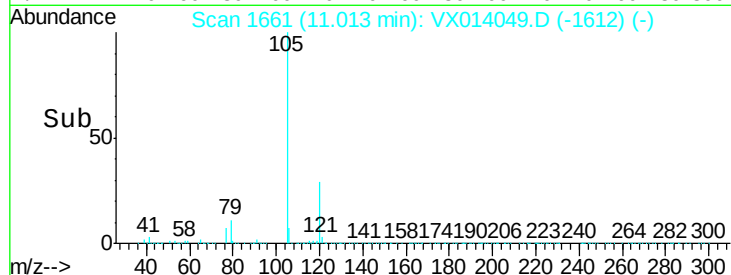
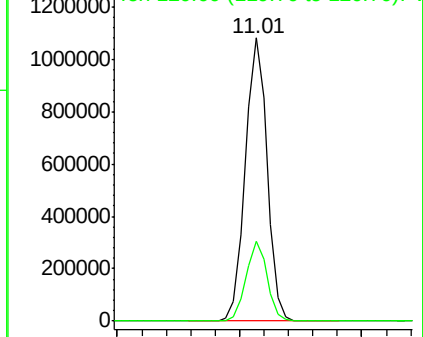
apatel

12/17/2019 4:50:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.039 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion: 43 Resp: 628961

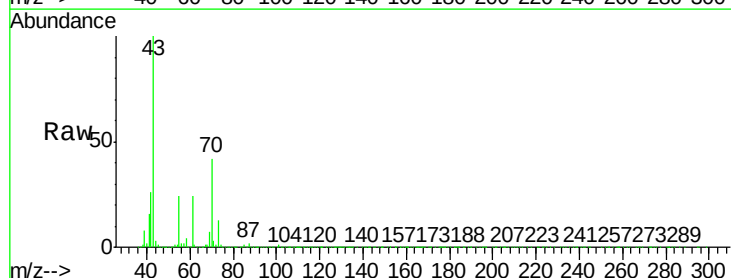
Ion Ratio Lower Upper

43 100

70 42.6 34.4 51.6

55 24.2 19.1 28.7

61 24.6 19.7 29.5

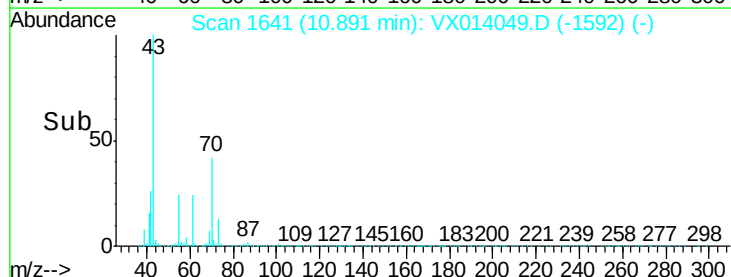
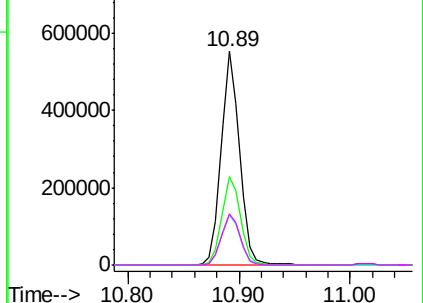


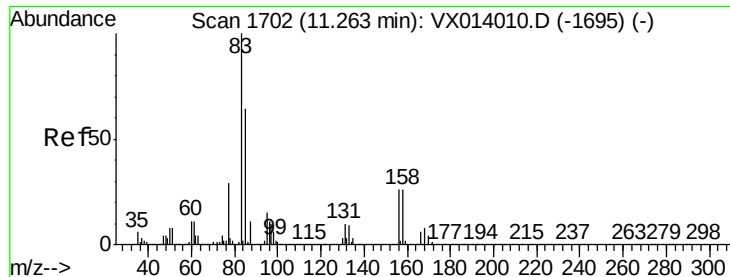
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.075 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

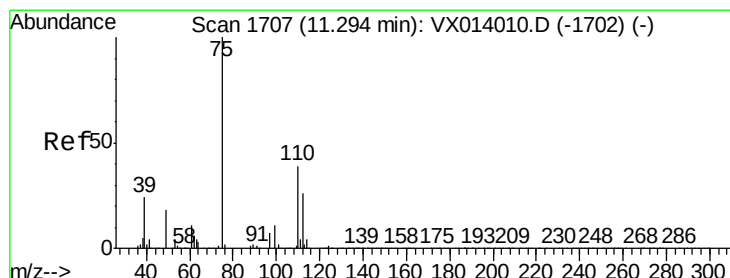
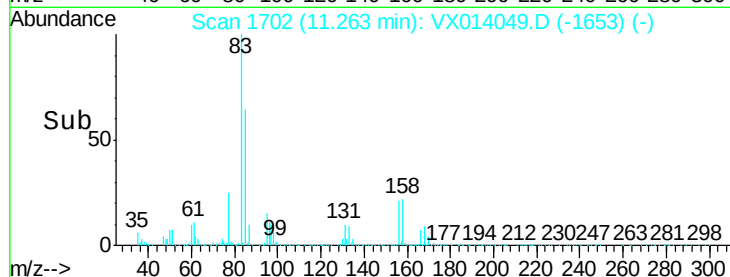
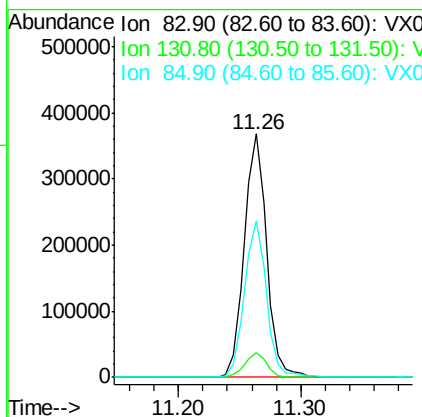
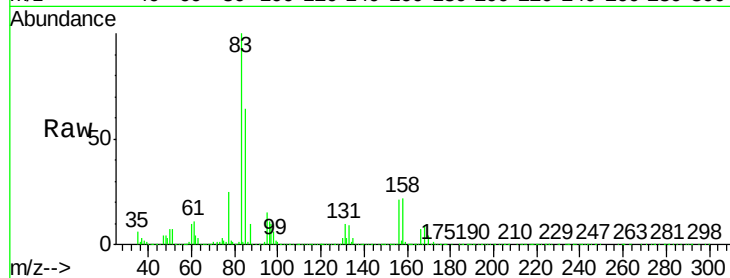
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	465521
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	63.7	31.9	95.7

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#76

1,2,3-Trichloropropane

Concen: 54.369 ug/l m

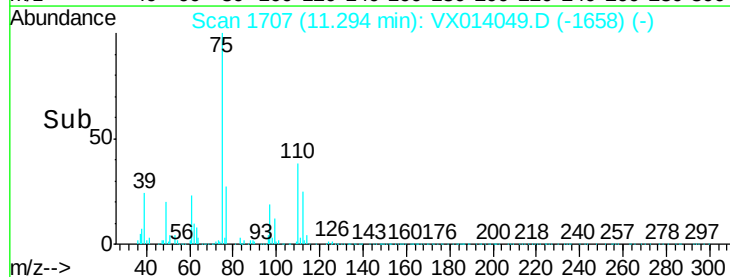
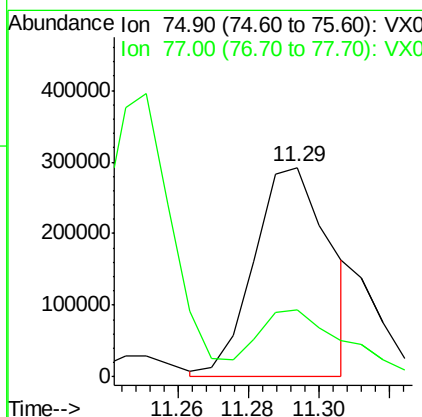
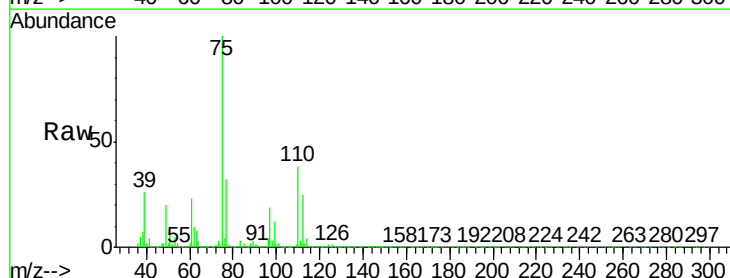
RT: 11.29 min Scan# 1707

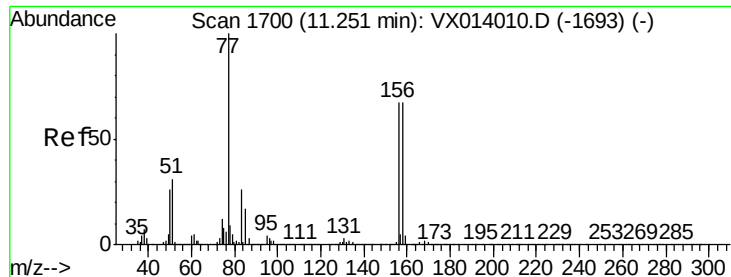
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	75	Resp:	432269
Ion Ratio	Lower	Upper	
75	100		
77	36.9	19.3	57.8





#77

Bromobenzene

Concen: 47.857 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

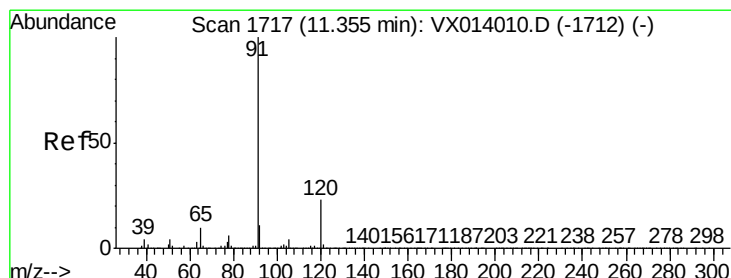
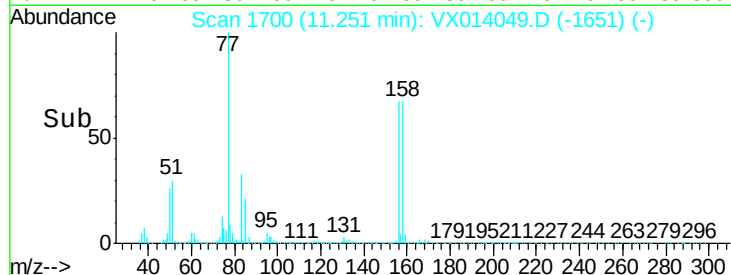
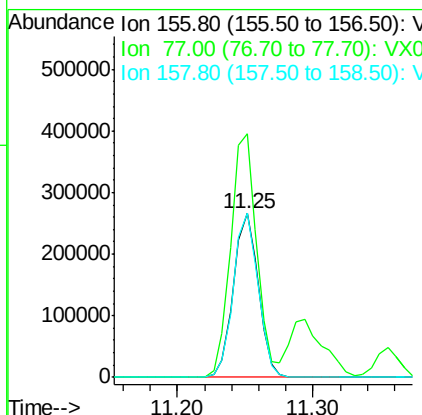
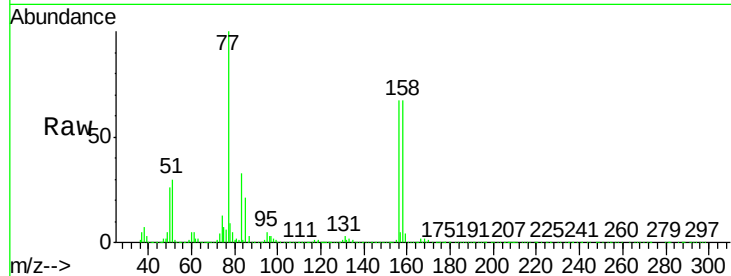
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	339512
Ion Ratio	Lower	Upper	
156	100		
77	155.7	76.5	229.5
158	99.5	49.3	147.9

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#78

n-propylbenzene

Concen: 51.830 ug/l

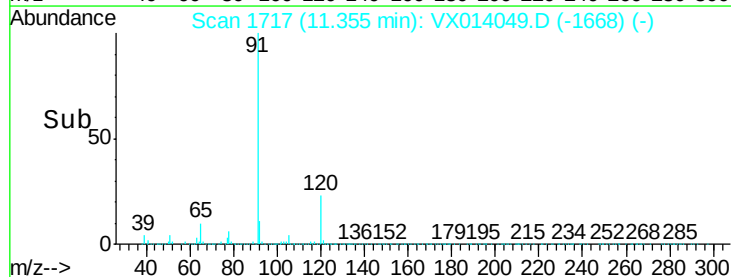
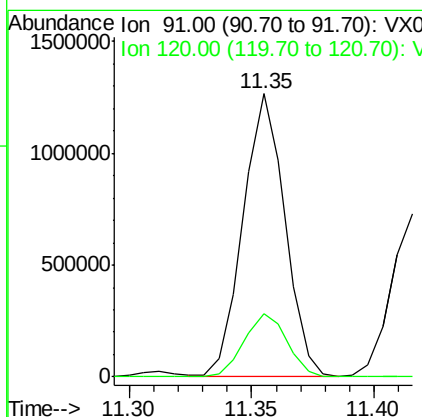
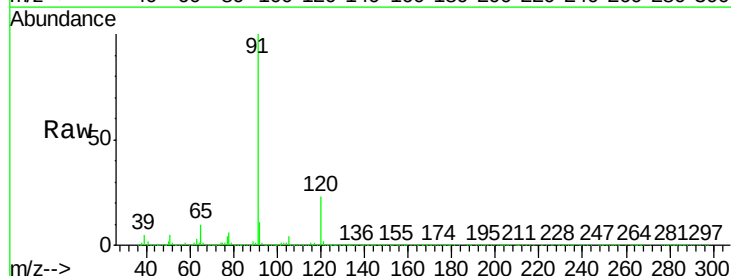
RT: 11.35 min Scan# 1717

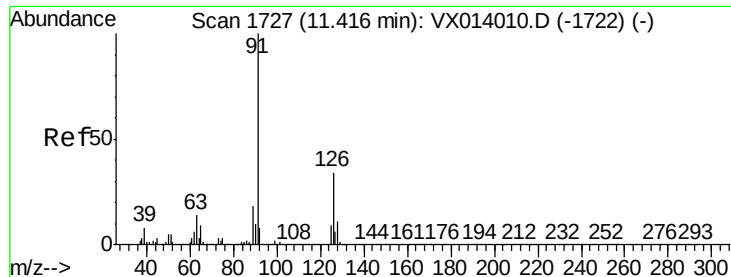
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	91	Resp:	1499028
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0





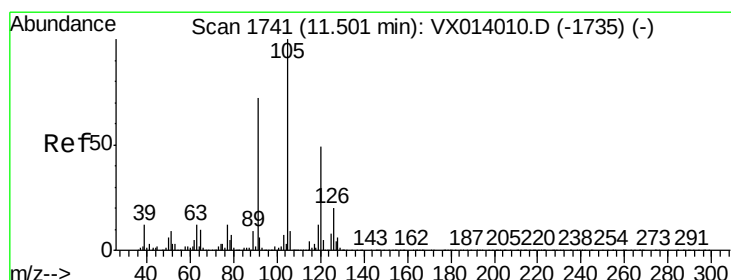
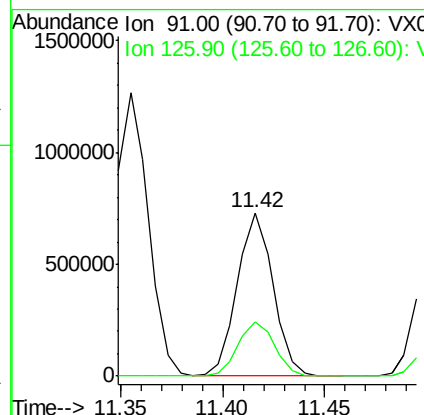
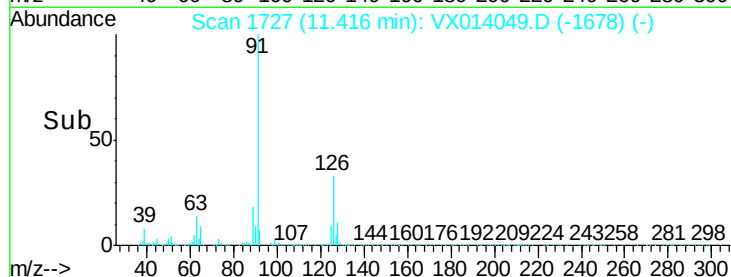
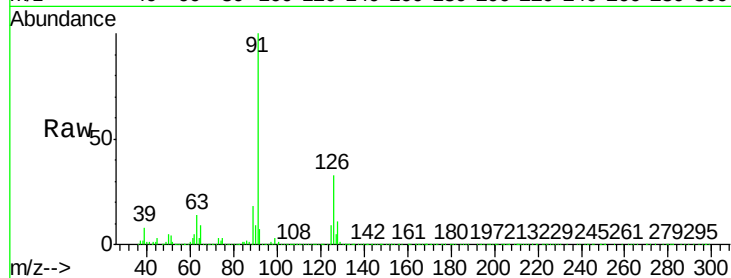
#79
 2-Chlorotoluene
 Concen: 50.234 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 883170
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.2 51.6

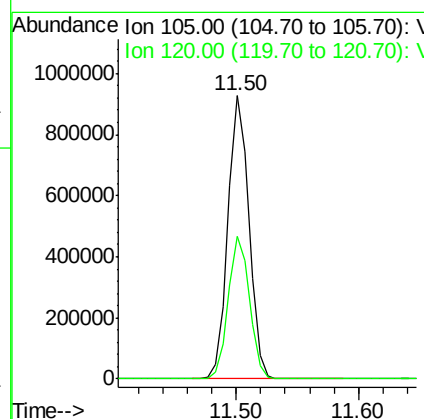
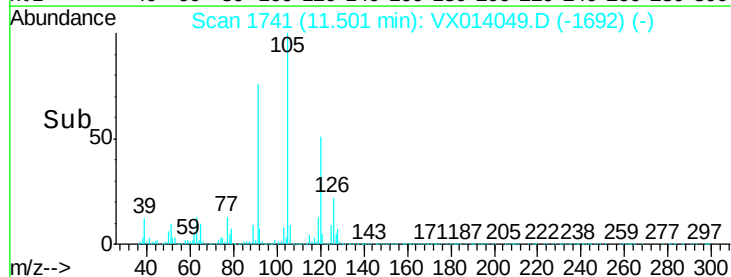
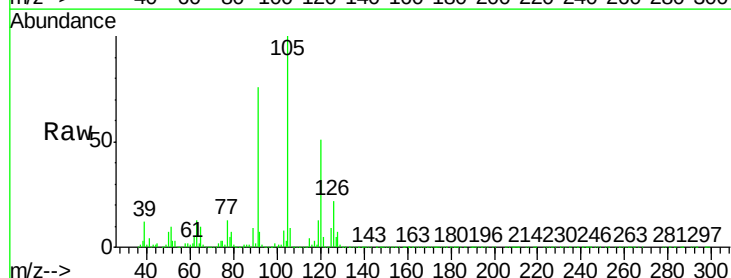
Manual Integrations
 APPROVED

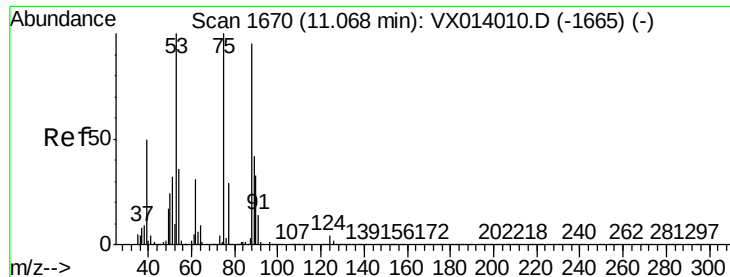
apatel
 12/17/2019 4:50:17 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.881 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Tgt Ion: 105 Resp: 1104143
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.3 75.8





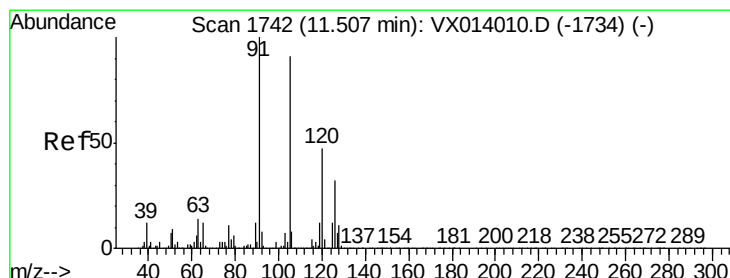
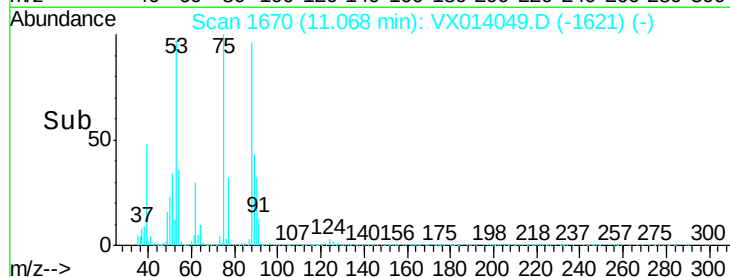
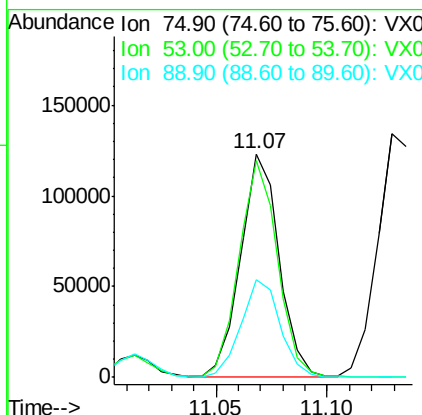
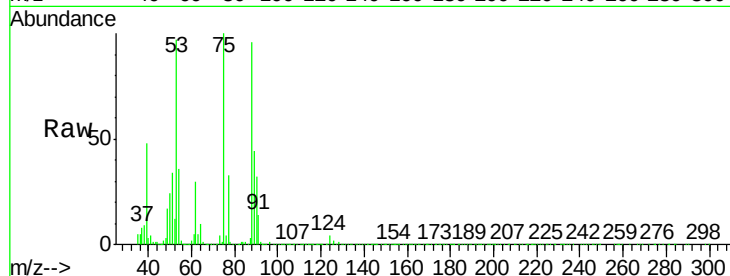
#81
trans-1,4-Dichloro-2-butene
Concen: 52.680 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	76.7	115.1
89	44.5	34.6	51.8

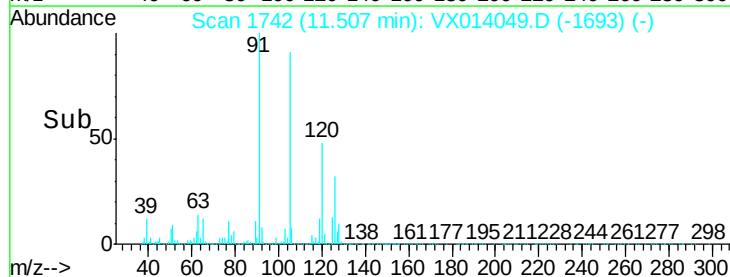
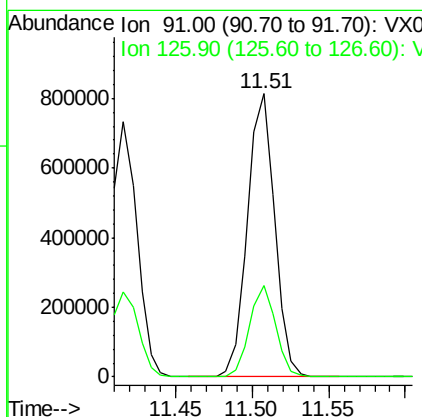
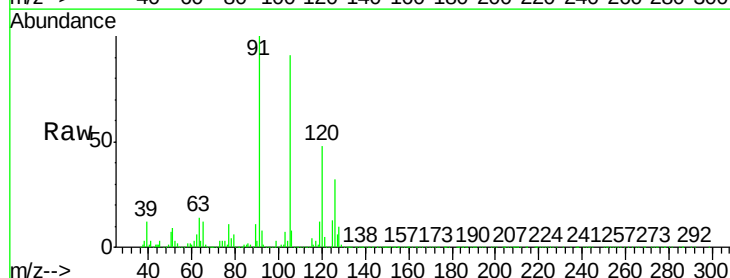
Manual Integrations
APPROVED

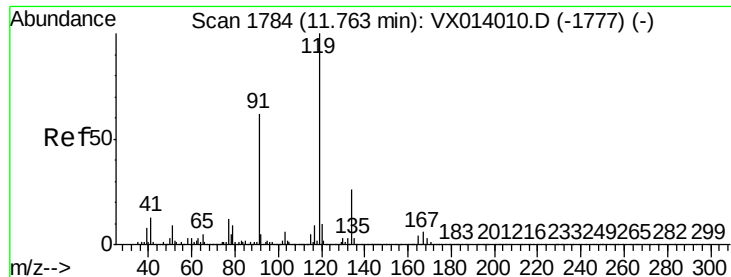
apatel
12/17/2019 4:50:17 PM



#82
4-Chlorotoluene
Concen: 49.285 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





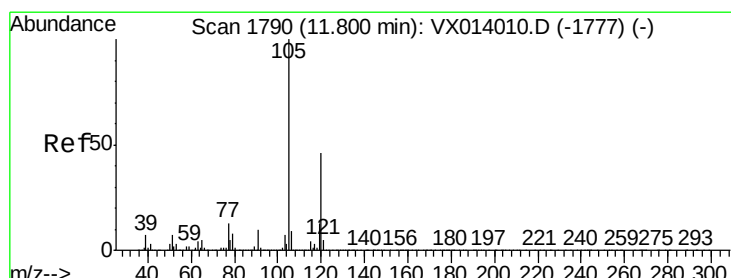
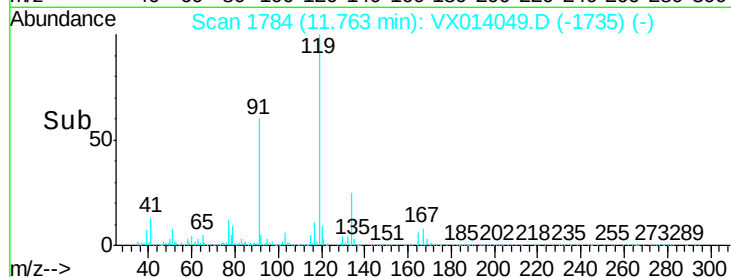
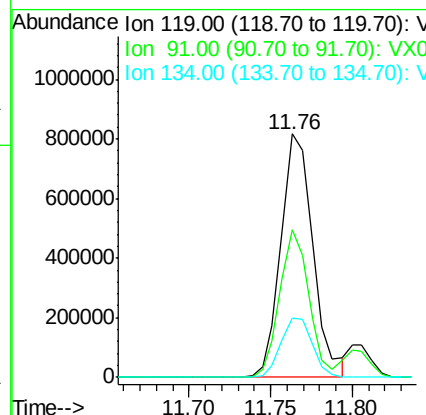
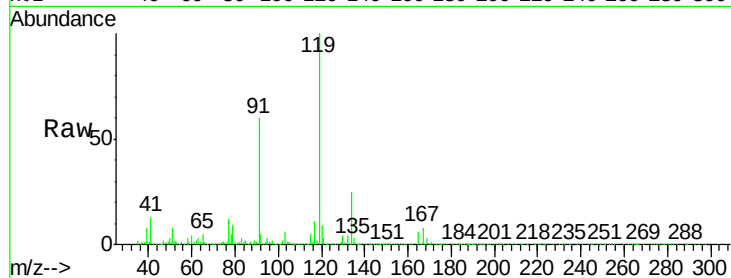
#83
tert-Butylbenzene
Concen: 52.488 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	28.5	85.6
134	24.0	12.2	36.6

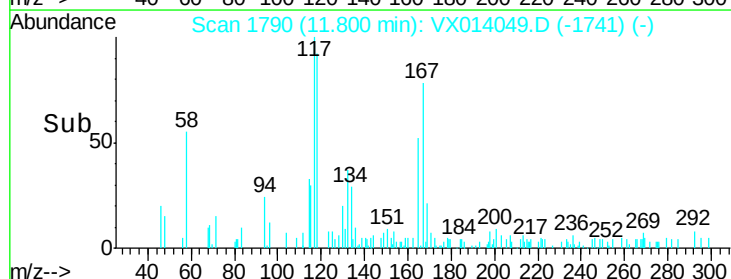
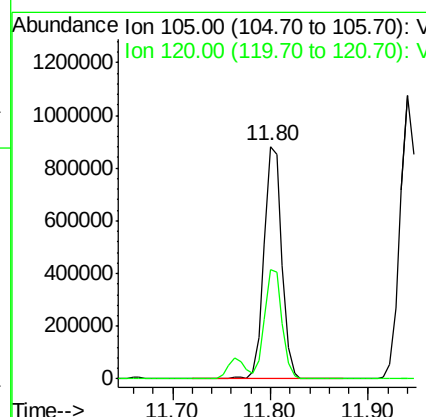
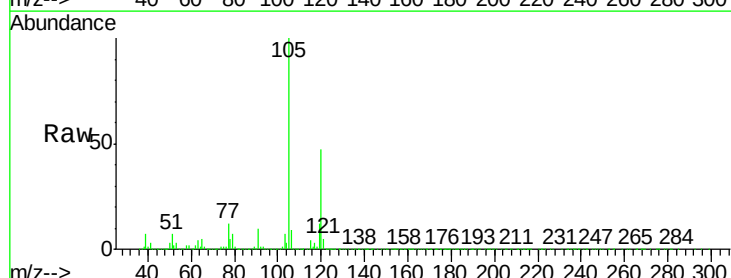
Manual Integrations
APPROVED

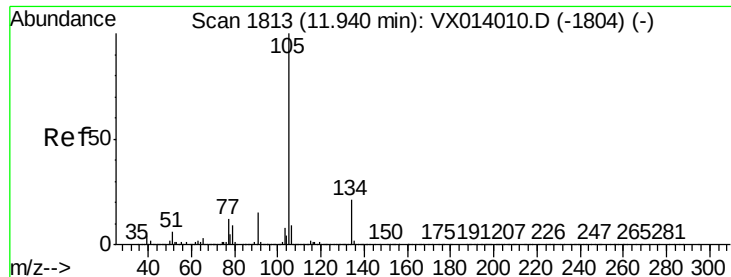
apatel
12/17/2019 4:50:17 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.922 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.088 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1273666

Ion Ratio Lower Upper

105 100

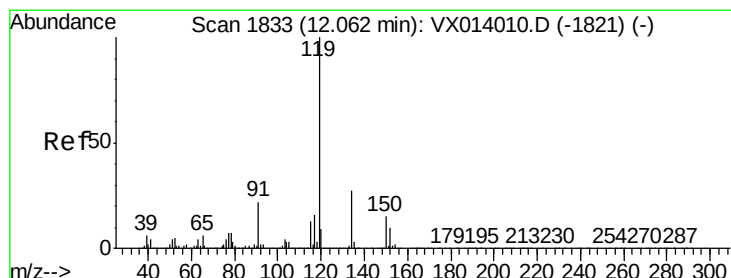
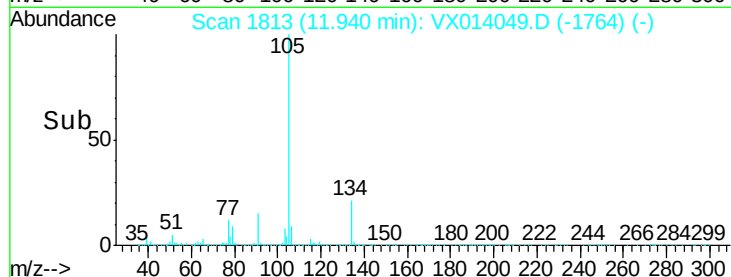
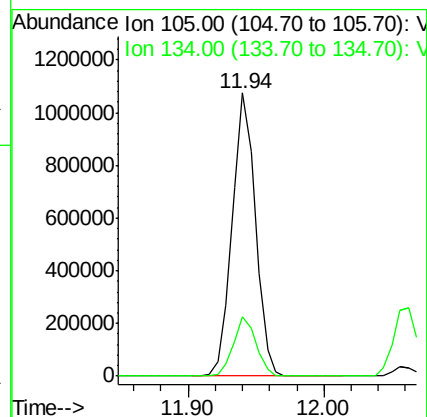
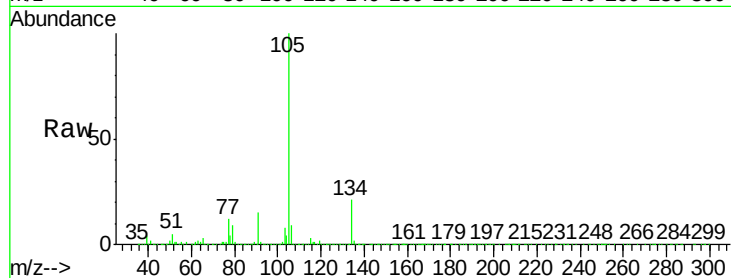
134 20.4 10.4 31.1

Manual Integrations

APPROVED

apatel

12/17/2019 4:50:17 PM



#86

p-Isopropyltoluene

Concen: 51.141 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

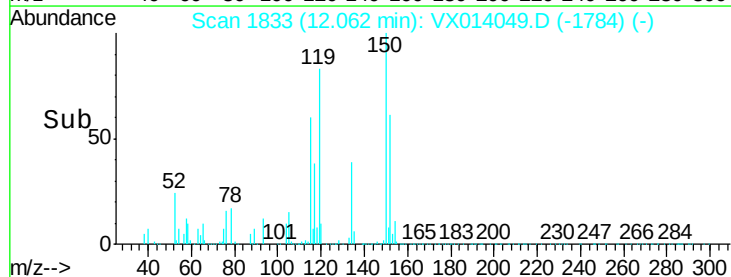
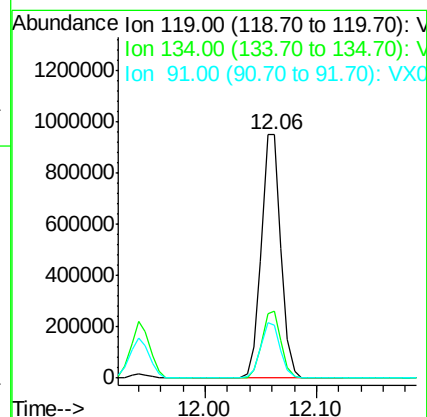
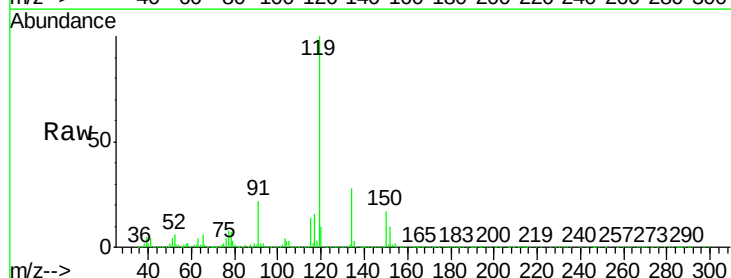
Tgt Ion:119 Resp: 1166261

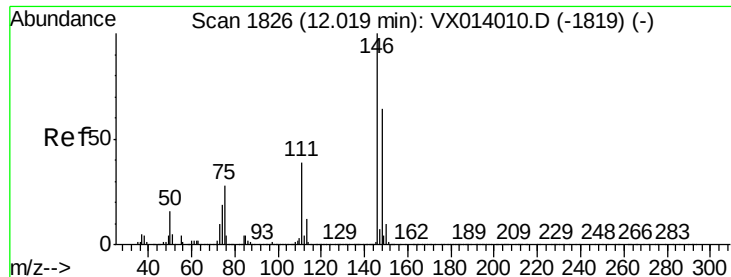
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.5 11.4 34.1





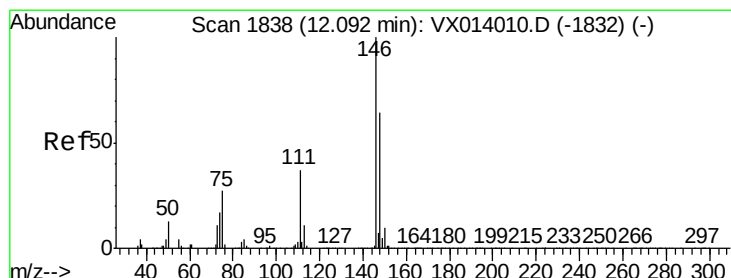
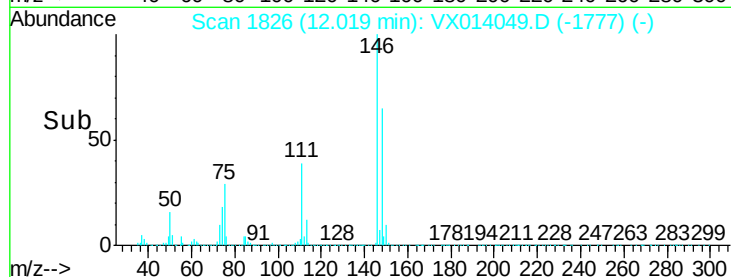
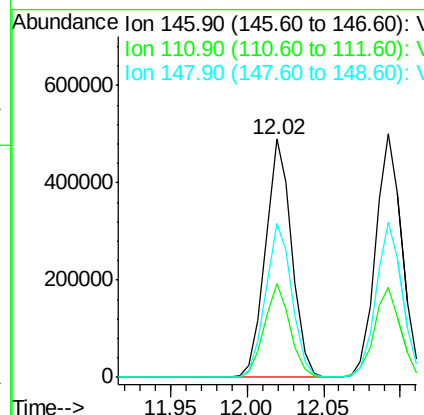
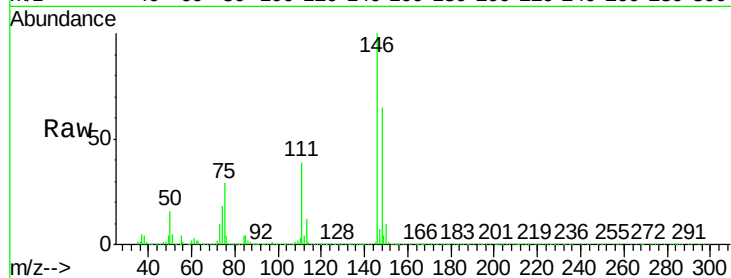
#87
 1,3-Dichlorobenzene
 Concen: 47.298 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.8	32.3	96.9

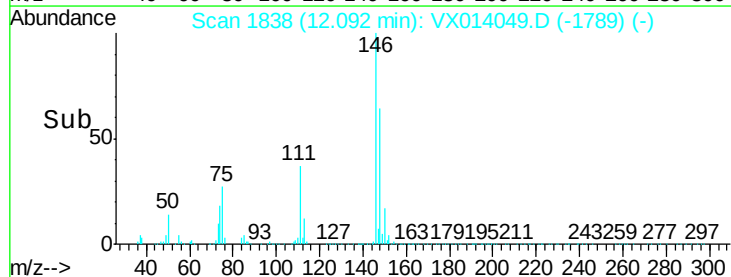
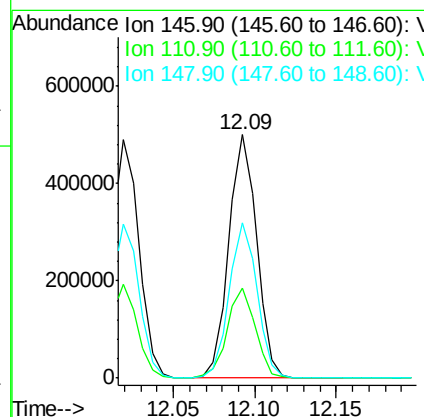
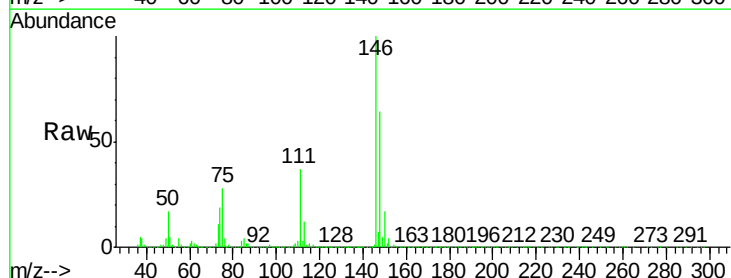
Manual Integrations
 APPROVED

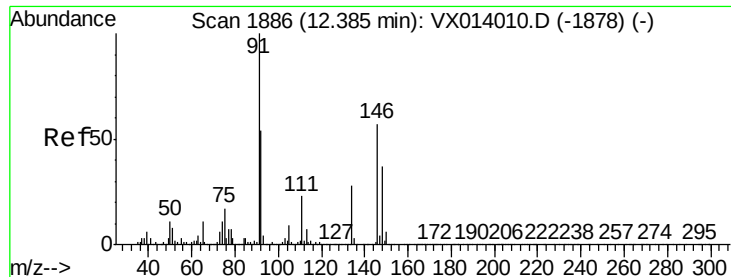
apatel
 12/17/2019 4:50:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.009 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.6	31.9	95.9





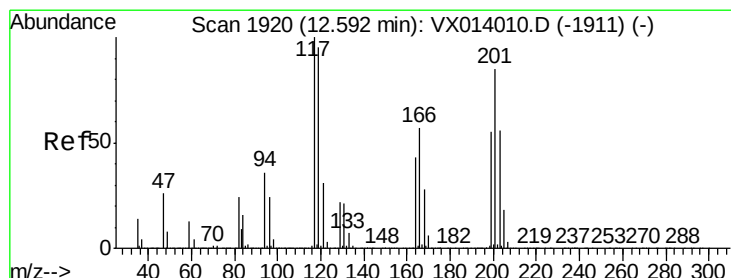
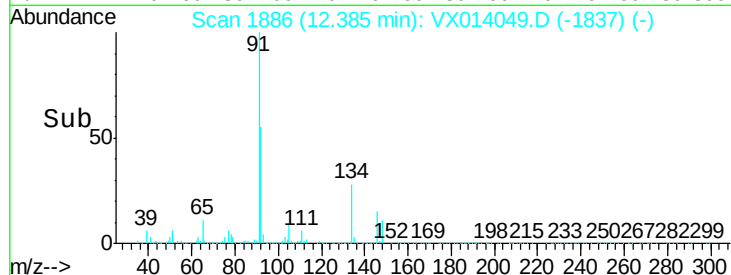
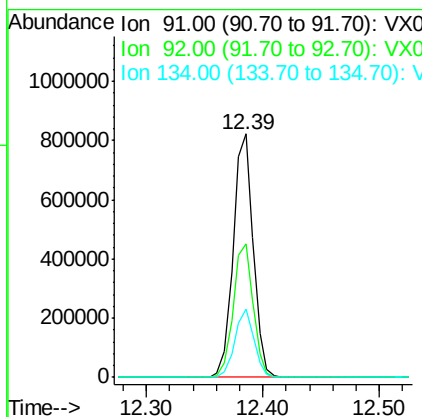
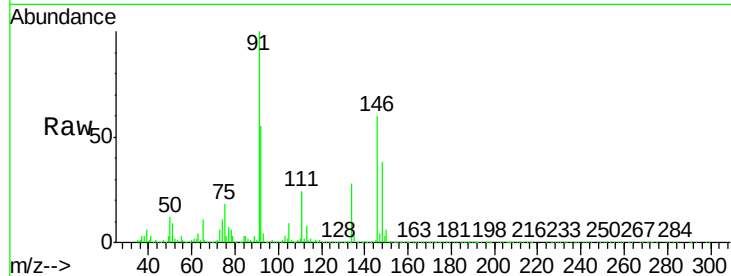
#89
n-Butylbenzene
Concen: 50.453 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.6
134	26.9	13.4	40.1

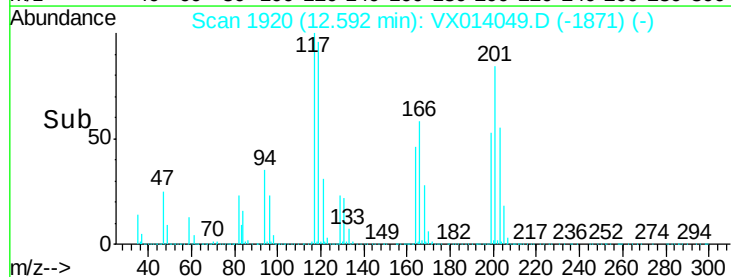
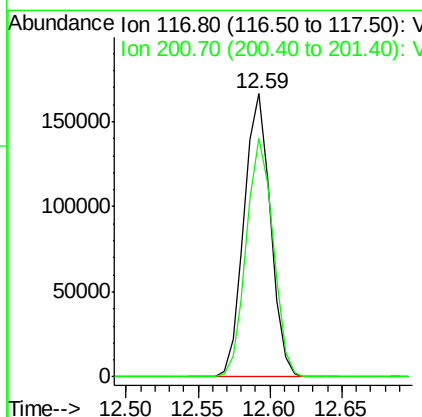
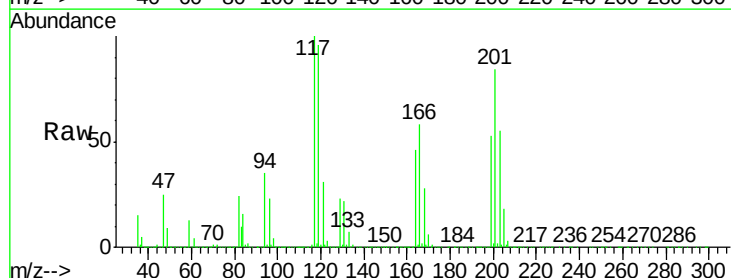
Manual Integrations
APPROVED

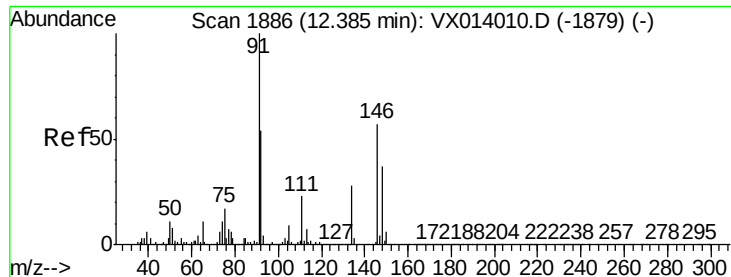
apatel
12/17/2019 4:50:17 PM



#90
Hexachloroethane
Concen: 51.393 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014049.D
Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.1	129.3





#91

1,2-Dichlorobenzene

Concen: 47.919 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

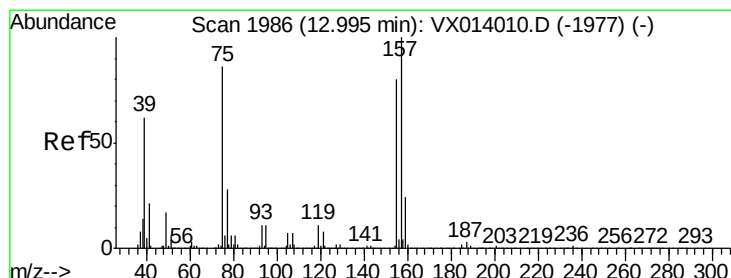
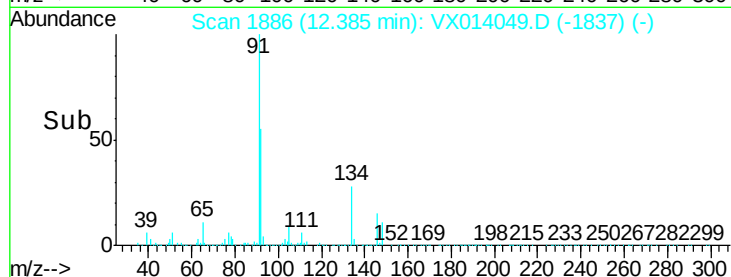
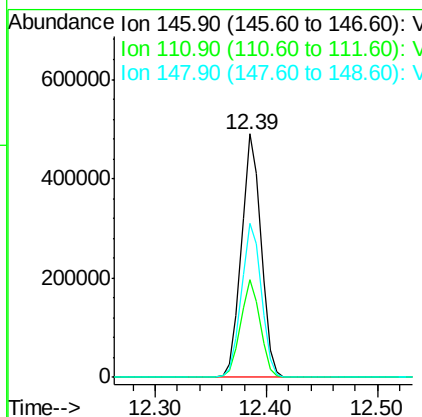
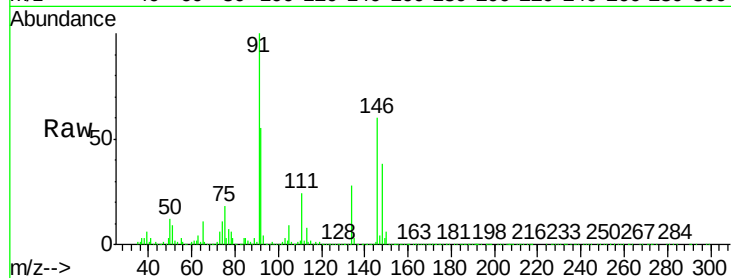
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	599776
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.7	59.1
148	64.2	32.1	96.5

Manual Integrations
APPROVED

apatel
12/17/2019 4:50:17 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.681 ug/l

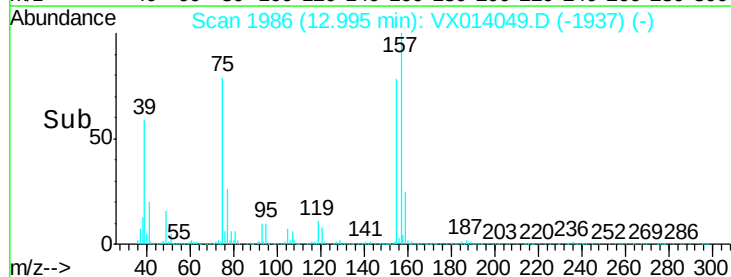
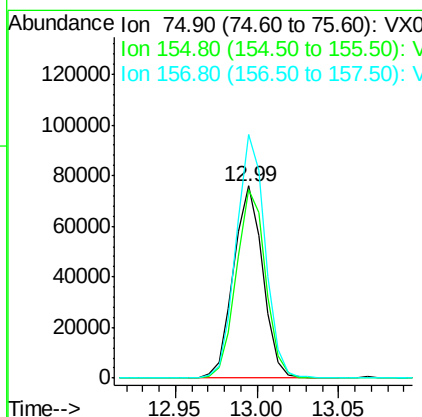
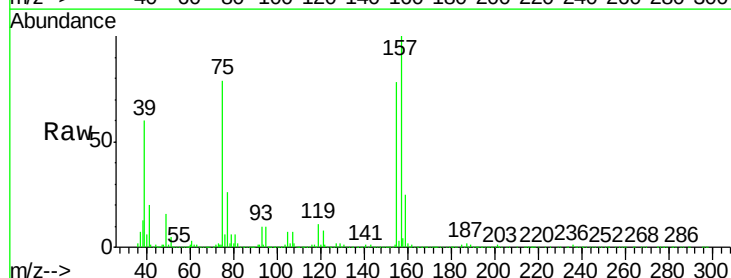
RT: 12.99 min Scan# 1886

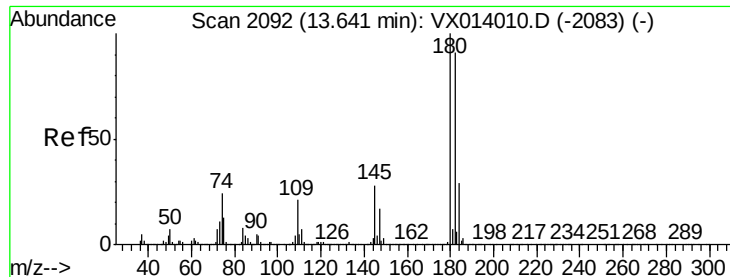
Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Tgt Ion:	75	Resp:	94324
Ion Ratio	Lower	Upper	
75	100		
155	98.6	46.9	140.6
157	126.5	60.8	182.4





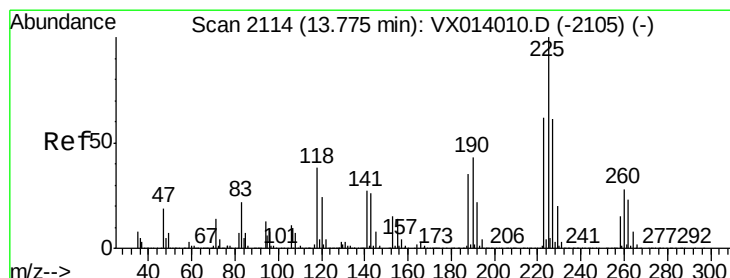
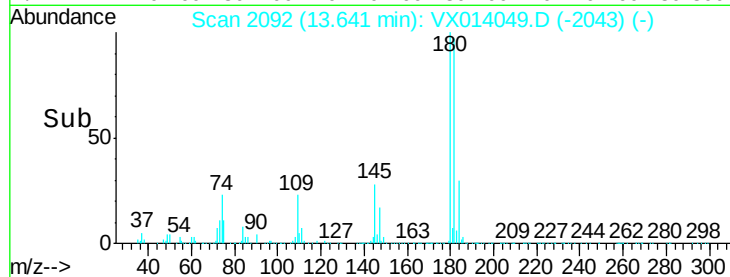
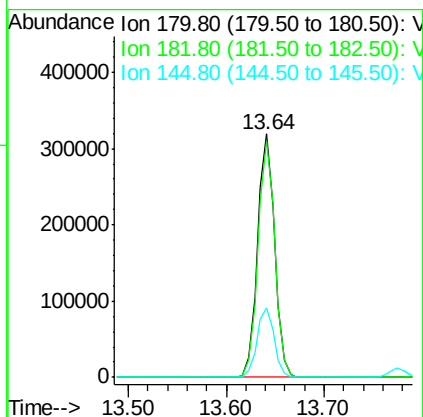
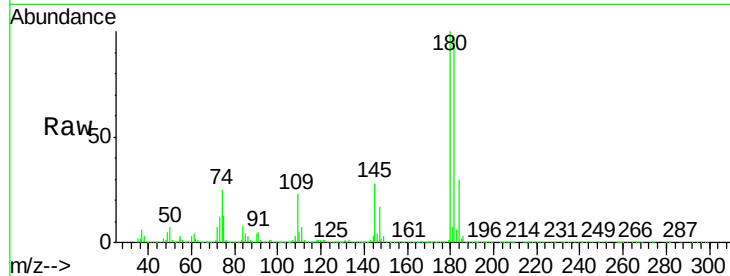
#93
 1,2,4-Trichlorobenzene
 Concen: 47.304 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	384825		
182	95.9	46.6	139.8	
145	28.6	14.2	42.6	

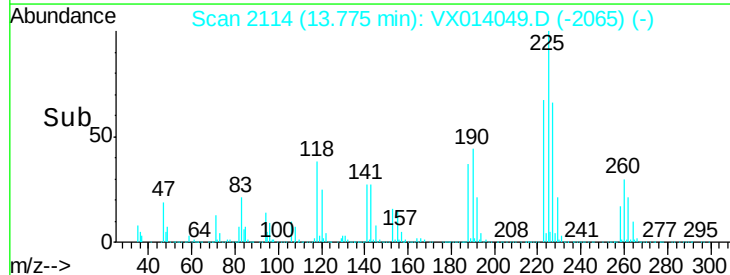
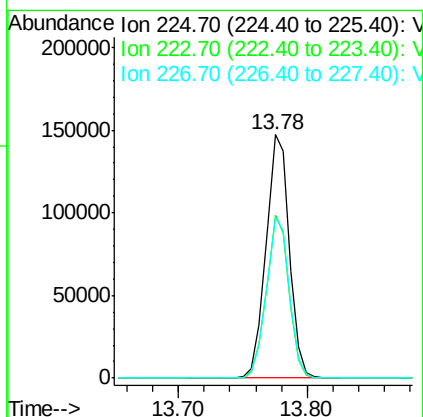
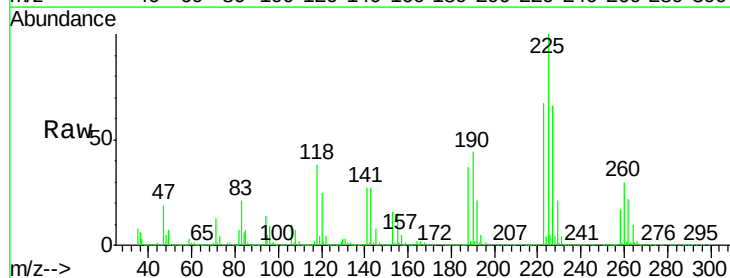
Manual Integrations
 APPROVED

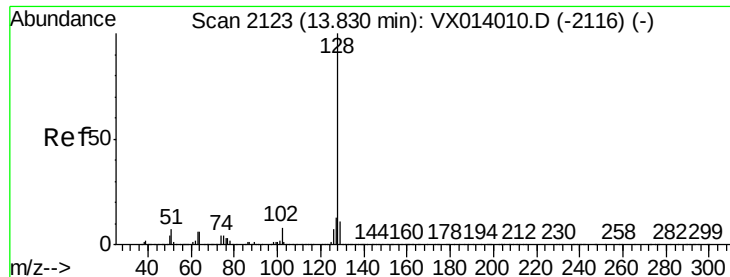
apatel
 12/17/2019 4:50:17 PM



#94
 Hexachlorobutadiene
 Concen: 47.076 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014049.D
 Acq: 16 Dec 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	184054		
223	64.4	30.9	92.5	
227	65.0	30.9	92.7	





#95

Naphthalene

Concen: 50.594 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1209268

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

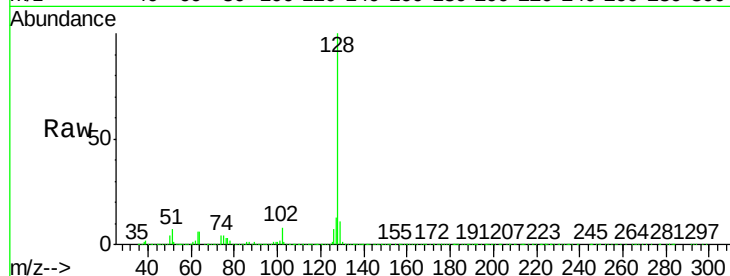
129 10.9 8.7 13.1

Manual Integrations

APPROVED

apatel

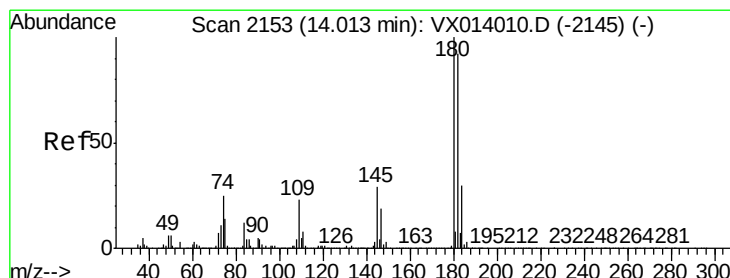
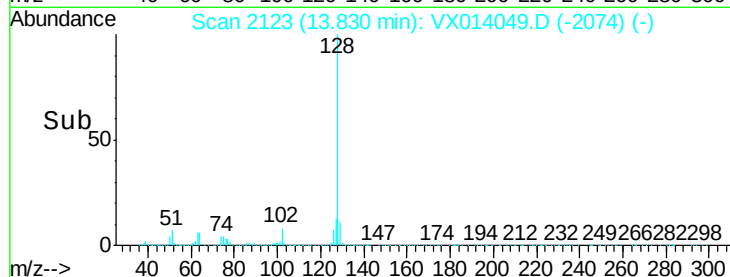
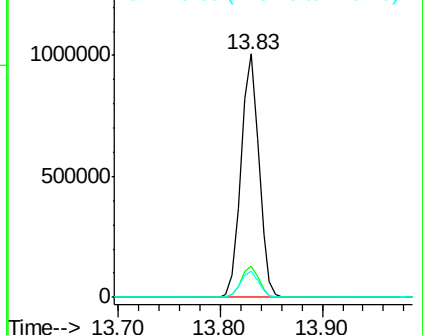
12/17/2019 4:50:17 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.154 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014049.D

Acq: 16 Dec 2019 20:40

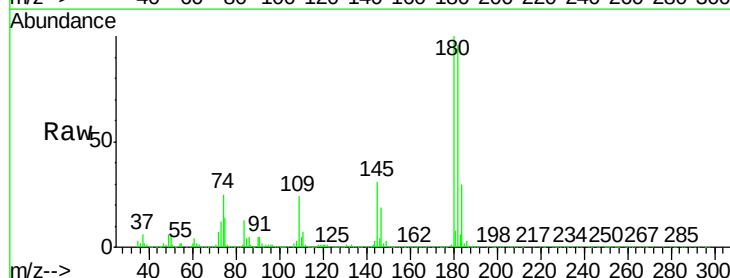
Tgt Ion:180 Resp: 394736

Ion Ratio Lower Upper

180 100

182 94.7 46.8 140.3

145 29.7 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

