

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013970.D
 Acq On : 12 Dec 2019 12:55
 Operator : JC/SP
 Sample : VX1212WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:15 AM

Quant Time: Dec 13 03:03:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	576114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	866436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	755092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	385287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	269284	40.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.54%	
35) Dibromofluoromethane	5.49	113	217643	40.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.26%	
50) Toluene-d8	8.71	98	830102	39.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.56%	
62) 4-Bromofluorobenzene	11.14	95	299869	39.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	96366	15.028	ug/l	97
3) Chloromethane	1.31	50	111338	15.474	ug/l	98
4) Vinyl Chloride	1.40	62	121921	15.055	ug/l	99
5) Bromomethane	1.62	94	86718	15.945	ug/l	99
6) Chloroethane	1.70	64	87373	18.960	ug/l	89
7) Trichlorofluoromethane	1.87	101	143407	15.947	ug/l	99
8) Diethyl Ether	2.19	74	65228	16.033	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.33	101	90537	16.483	ug/l	98
10) Methyl Iodide	2.47	142	84513	12.719	ug/l	99
11) Tert butyl alcohol	3.01	59	6896	4.178	ug/l #	74
12) 1,1-Dichloroethene	2.33	96	83678	15.262	ug/l	95
13) Acrolein	2.30	56	61435	60.319	ug/l	99
14) Allyl chloride	2.70	41	145590	14.633	ug/l	97
15) Acrylonitrile	3.15	53	255664	75.035	ug/l	99
16) Acetone	2.47	43	278526	84.360	ug/l	99
17) Carbon Disulfide	2.53	76	184917	11.831	ug/l	98
18) Methyl Acetate	2.78	43	159592	17.359	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	300567	16.548	ug/l	95
20) Methylene Chloride	2.83	84	112285	17.702	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	89906	15.053	ug/l	94
22) Diisopropyl ether	3.86	45	333730	17.419	ug/l	89
23) Vinyl Acetate	3.81	43	1261688	79.163	ug/l	99
24) 1,1-Dichloroethane	3.67	63	176603	16.862	ug/l	97
25) 2-Butanone	4.69	43	358201	73.000	ug/l	99
26) 2,2-Dichloropropane	4.56	77	135598	15.648	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	107758	15.710	ug/l	96
28) Bromochloromethane	5.00	49	75664	18.274	ug/l	96
29) Tetrahydrofuran	5.14	42	227233	75.120	ug/l	99
30) Chloroform	5.20	83	170325	16.036	ug/l	98
31) Cyclohexane	5.55	56	153033	15.492	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	139933	15.765	ug/l	99
36) 1,1-Dichloropropene	5.78	75	125020	15.896	ug/l	99
37) Ethyl Acetate	4.84	43	150276	17.032	ug/l	96
38) Carbon Tetrachloride	5.76	117	113172	15.605	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013970.D
 Acq On : 12 Dec 2019 12:55
 Operator : JC/SP
 Sample : VX1212WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1212WBS02

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:15 AM

Quant Time: Dec 13 03:03:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	156183	16.065	ug/l	97
40) Benzene	6.12	78	399313	16.670	ug/l	98
41) Methacrylonitrile	5.06	41	65591	13.555	ug/l	92
42) 1,2-Dichloroethane	6.18	62	139174	17.036	ug/l	98
43) Isopropyl Acetate	6.45	43	223257	15.369	ug/l	98
44) Trichloroethene	7.20	130	103808	15.790	ug/l	98
45) 1,2-Dichloropropane	7.51	63	103617	17.289	ug/l	97
46) Dibromomethane	7.65	93	64407	15.823	ug/l	97
47) Bromodichloromethane	7.89	83	120153	15.614	ug/l	95
48) Methyl methacrylate	7.77	41	108179	15.327	ug/l	97
49) 1,4-Dioxane	7.77	88	41137	260.389	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	700924	76.710	ug/l	99
52) Toluene	8.78	92	242251	16.279	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	130115	14.855	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	151420	15.823	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101780	16.972	ug/l	97
56) Ethyl methacrylate	9.18	69	149016	15.456	ug/l	99
57) 1,3-Dichloropropane	9.37	76	172371	16.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	333114	88.121	ug/l	100
59) 2-Hexanone	9.50	43	539393	75.690	ug/l	98
60) Dibromochloromethane	9.58	129	92387	14.845	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100910	15.755	ug/l	97
64) Tetrachloroethene	9.33	164	94247	16.737	ug/l	97
65) Chlorobenzene	10.14	112	261397	16.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	93705	16.645	ug/l	99
67) Ethyl Benzene	10.25	91	453518	16.835	ug/l	100
68) m/p-Xylenes	10.35	106	343066	33.262	ug/l	99
69) o-Xylene	10.70	106	169088	16.809	ug/l	99
70) Styrene	10.71	104	279407	16.512	ug/l	99
71) Bromoform	10.86	173	65078	13.971	ug/l #	99
73) Isopropylbenzene	11.01	105	452384	16.739	ug/l	100
74) N-amyl acetate	10.90	43	194154	15.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158517	16.913	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	129822m	14.981	ug/l	
77) Bromobenzene	11.25	156	116127	15.905	ug/l	98
78) n-propylbenzene	11.35	91	487296	16.152	ug/l	100
79) 2-Chlorotoluene	11.42	91	303257	16.756	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	372764	16.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40451	12.771	ug/l	87
82) 4-Chlorotoluene	11.51	91	336865	16.071	ug/l	100
83) tert-Butylbenzene	11.77	119	377975	16.790	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	377385	16.787	ug/l	99
85) sec-Butylbenzene	11.94	105	437068	16.998	ug/l	99
86) p-Isopropyltoluene	12.06	119	396629	16.581	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	207319	16.289	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	209425	16.155	ug/l	99
89) n-Butylbenzene	12.38	91	332314	16.288	ug/l	99
90) Hexachloroethane	12.59	117	65809	15.220	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	212017	16.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28417	13.923	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
Data File : VX013970.D
Acq On : 12 Dec 2019 12:55
Operator : JC/SP
Sample : VX1212WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

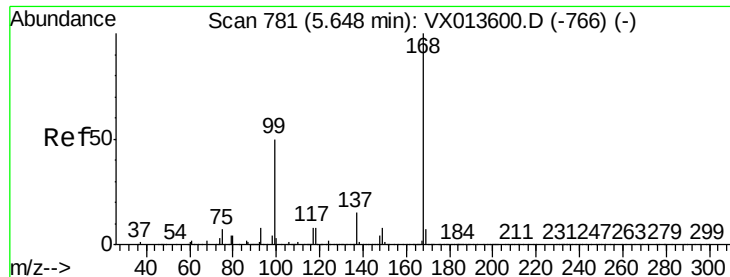
Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM

Quant Time: Dec 13 03:03:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	137088	15.642	ug/l	98
94) Hexachlorobutadiene	13.77	225	69667	16.548	ug/l	98
95) Naphthalene	13.83	128	392362	15.033	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	136497	15.730	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:168 Resp: 576114

Ion Ratio Lower Upper

168 100

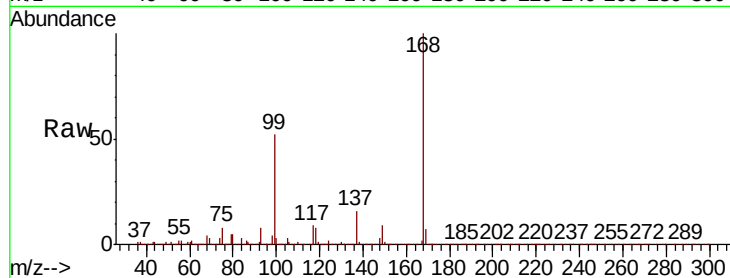
99 51.6 39.8 59.8

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

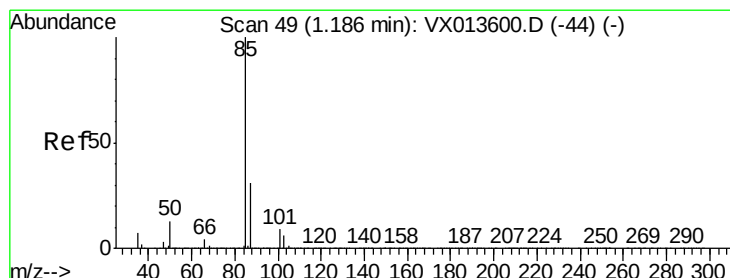
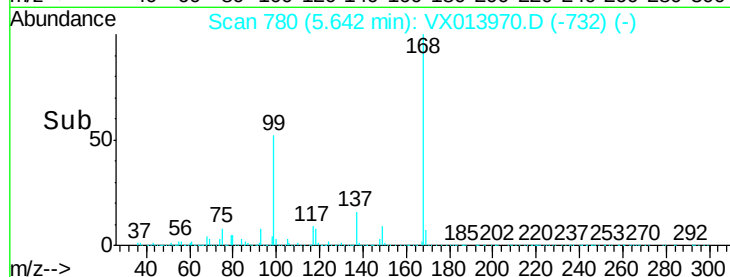
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.028 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013970.D

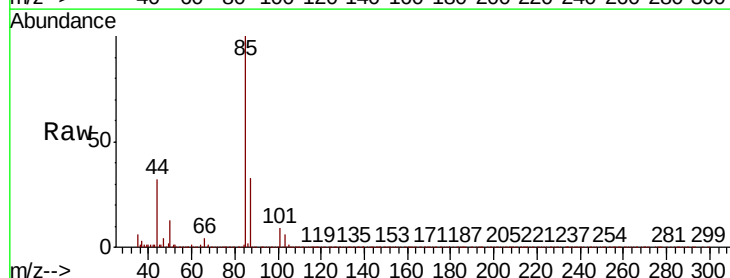
Acq: 12 Dec 2019 12:55

Tgt Ion: 85 Resp: 96366

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

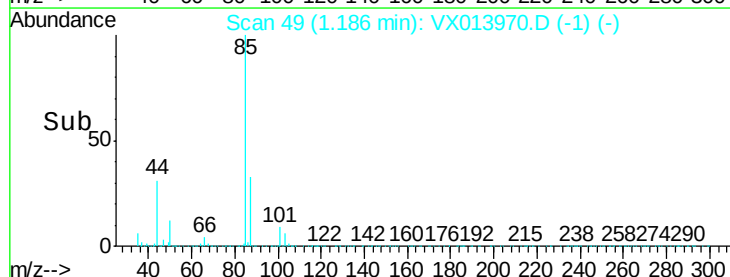
40000

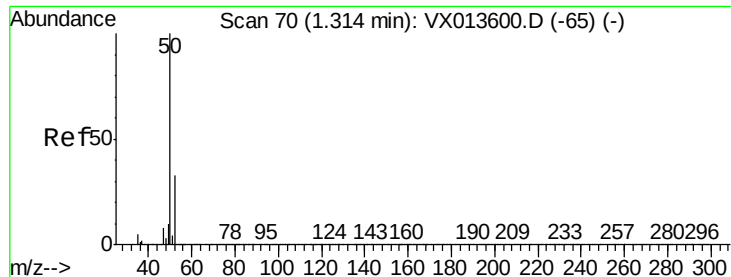
20000

0

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.474 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 50 Resp: 111338

Ion Ratio Lower Upper

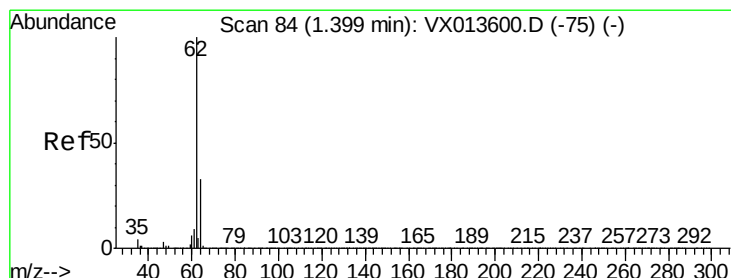
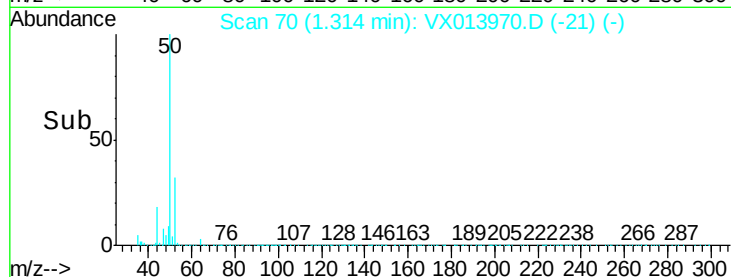
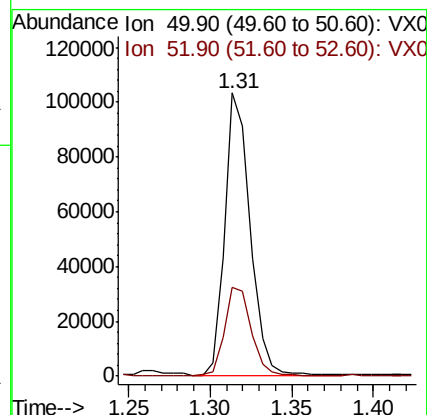
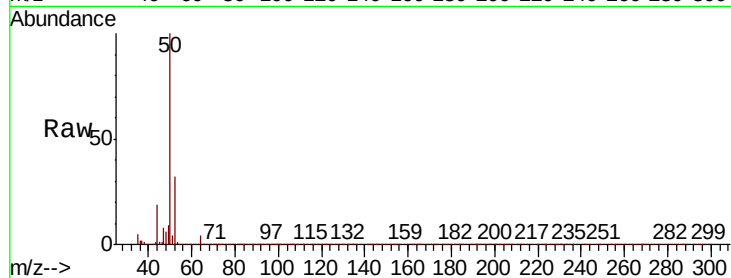
50 100

52 31.3 26.0 39.0

Manual Integrations
APPROVED

apatel

12/13/2019 11:25:15 AM



#4

Vinyl Chloride

Concen: 15.055 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013970.D

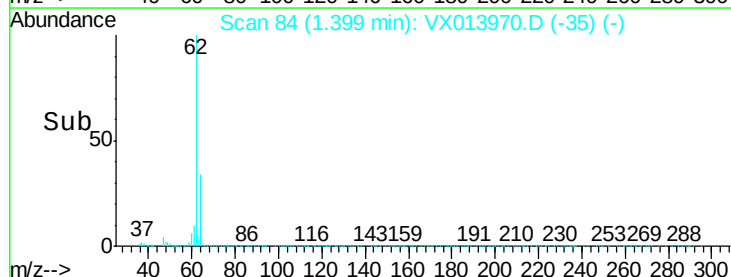
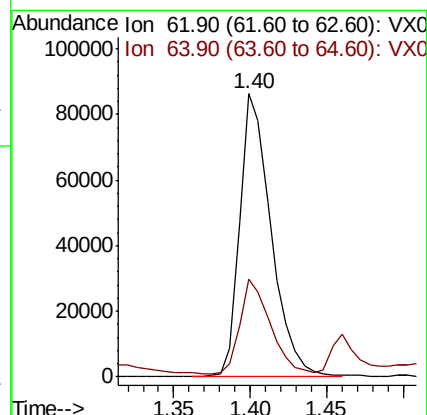
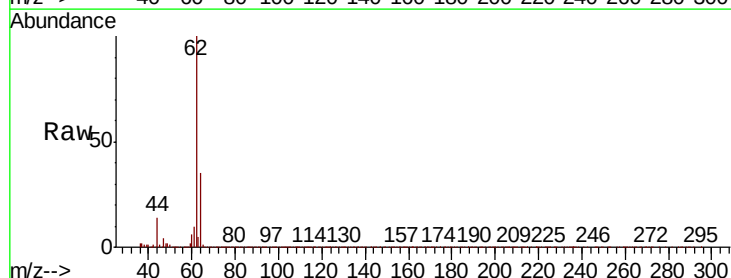
Acq: 12 Dec 2019 12:55

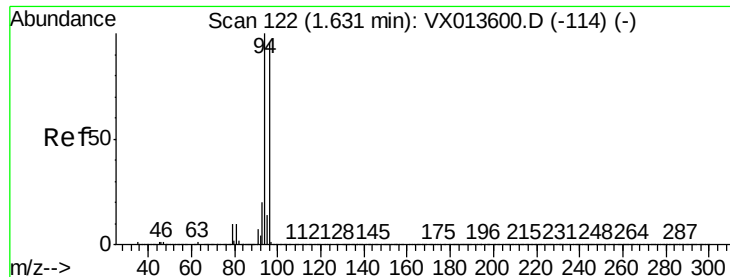
Tgt Ion: 62 Resp: 121921

Ion Ratio Lower Upper

62 100

64 33.3 26.0 39.0





#5

Bromomethane

Concen: 15.945 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 94 Resp: 86718

Ion Ratio Lower Upper

94 100

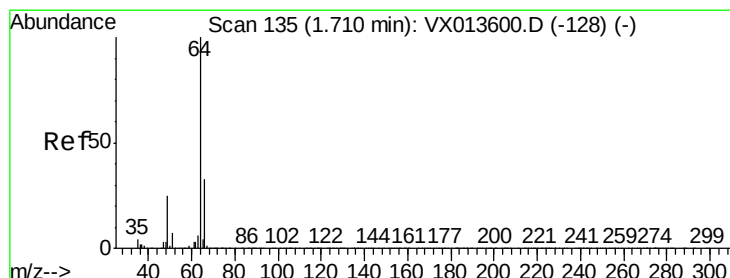
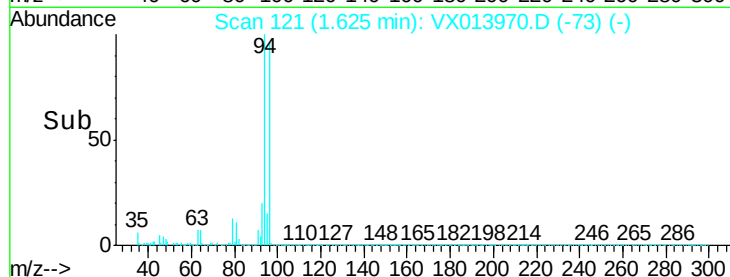
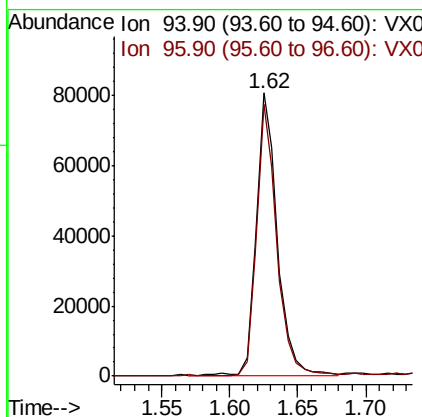
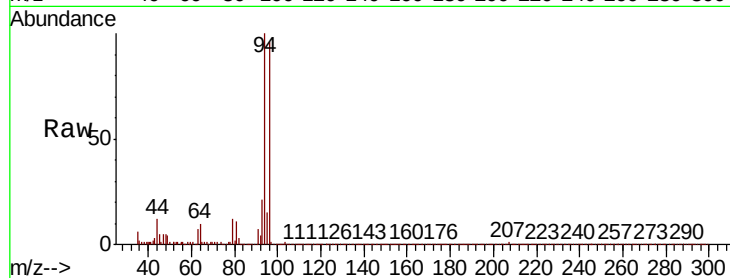
96 95.6 77.0 115.4

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#6

Chloroethane

Concen: 18.960 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013970.D

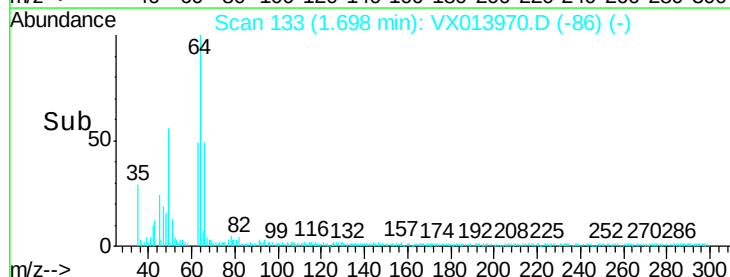
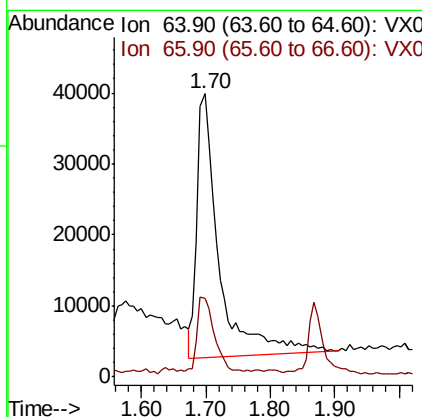
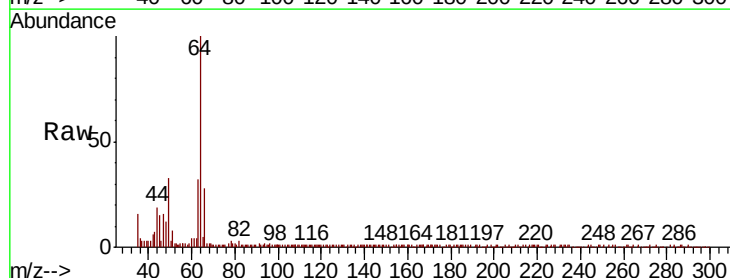
Acq: 12 Dec 2019 12:55

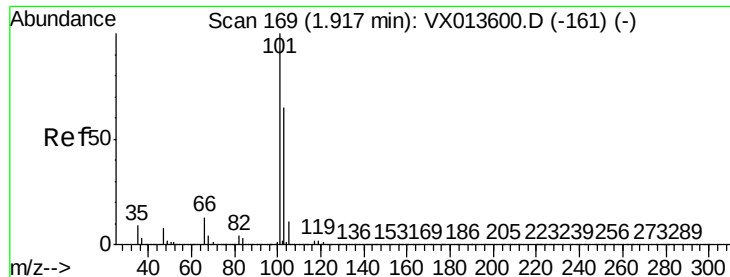
Tgt Ion: 64 Resp: 87373

Ion Ratio Lower Upper

64 100

66 27.2 26.7 40.1





#7

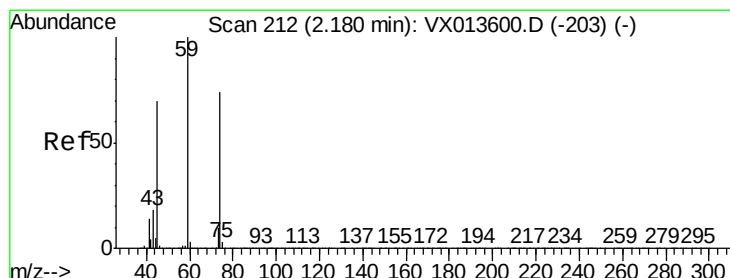
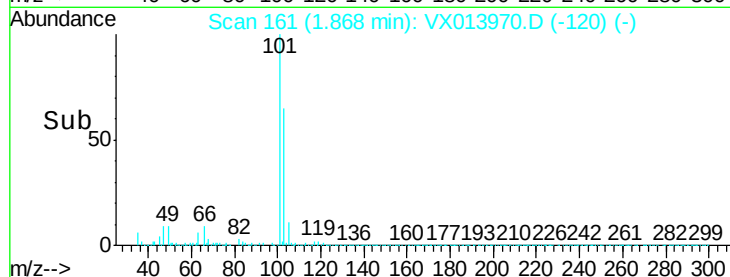
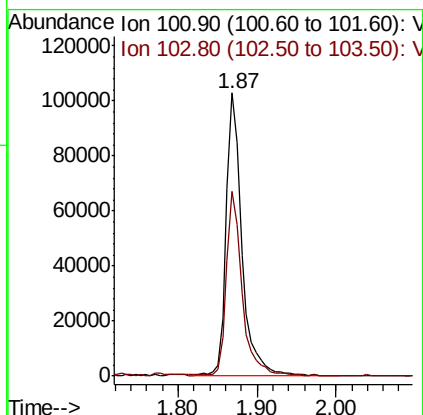
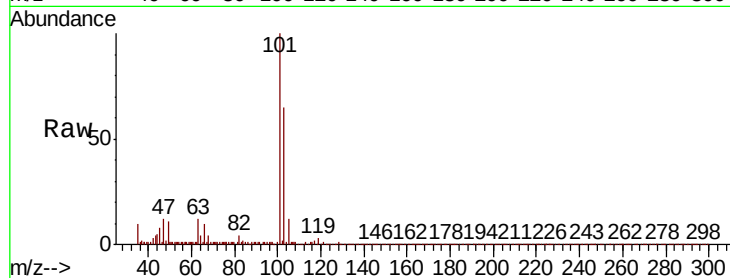
Trichlorofluoromethane
 Concen: 15.947 ug/l
 RT: 1.87 min Scan# 161
 Delta R.T. -0.05 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

Manual Integrations
 APPROVED

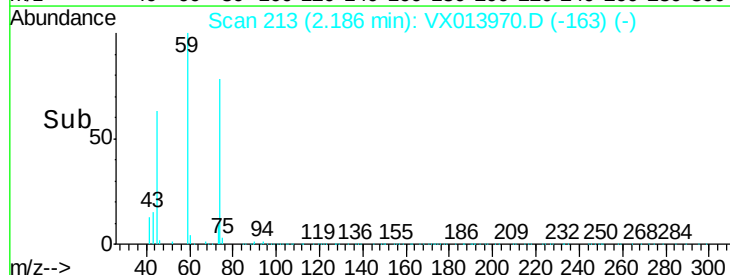
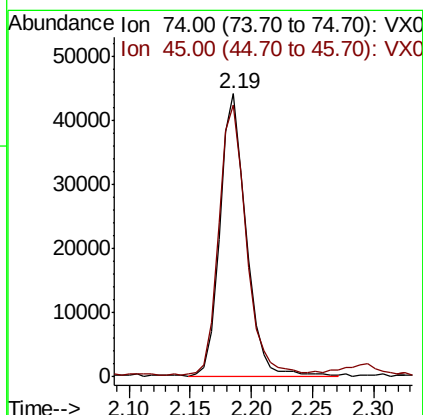
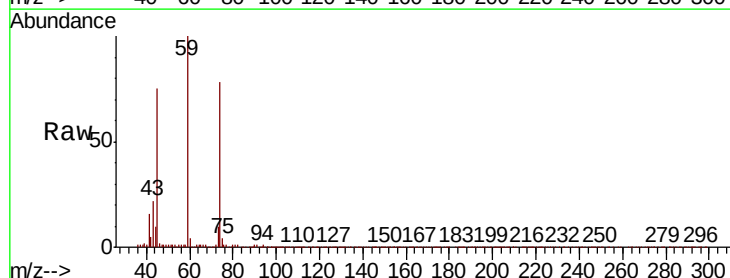
apatel
 12/13/2019 11:25:15 AM

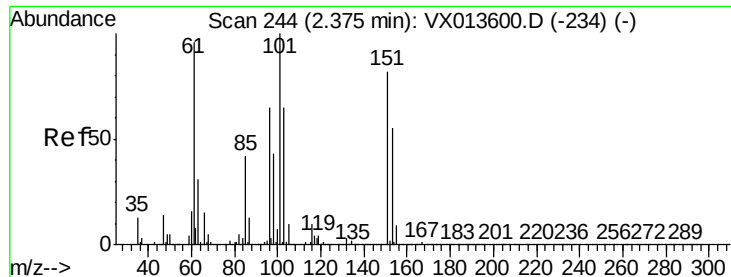


#8

Diethyl Ether
 Concen: 16.033 ug/l
 RT: 2.19 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.483 ug/l

RT: 2.33 min Scan# 237

Delta R.T. -0.04 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

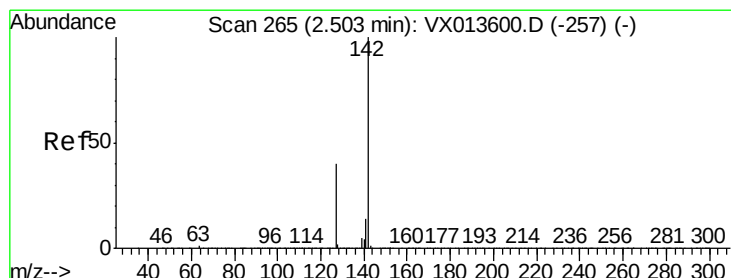
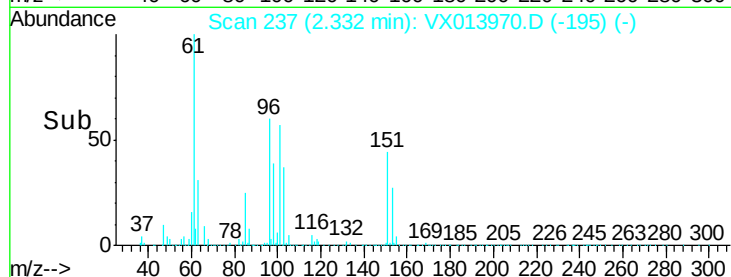
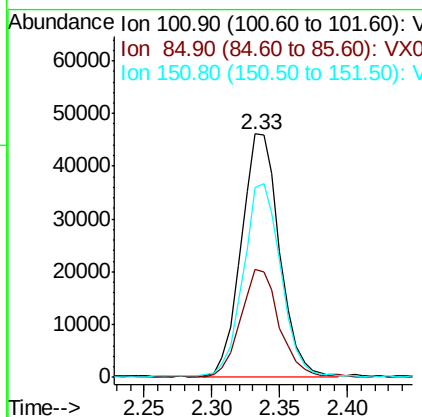
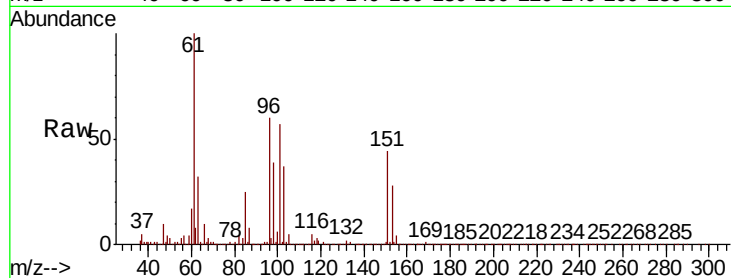
ClientSampleId :

VX1212WBS02

Tot Ion:	101	Resp:	90537
Ion Ratio	Lower	Upper	
101	100		
85	44.5	33.9	50.9
151	78.5	64.2	96.2

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#10

Methyl Iodide

Concen: 12.719 ug/l

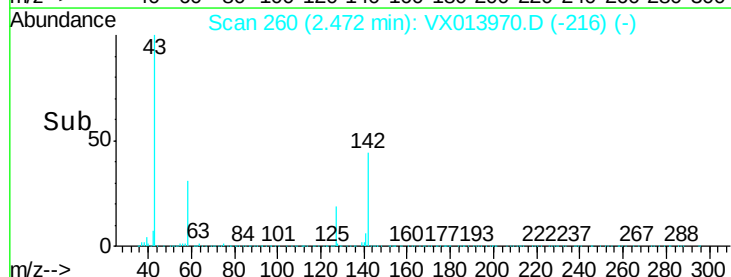
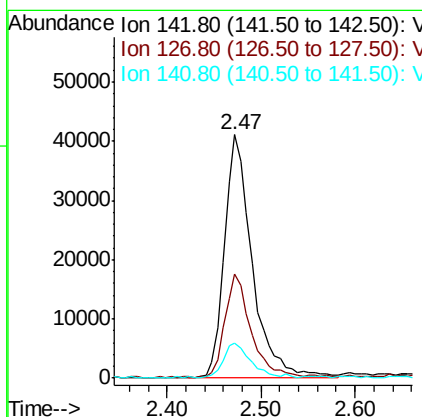
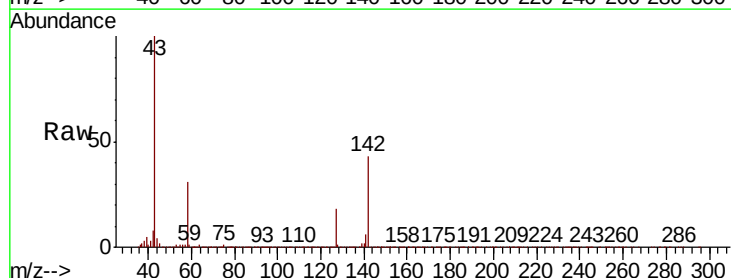
RT: 2.47 min Scan# 260

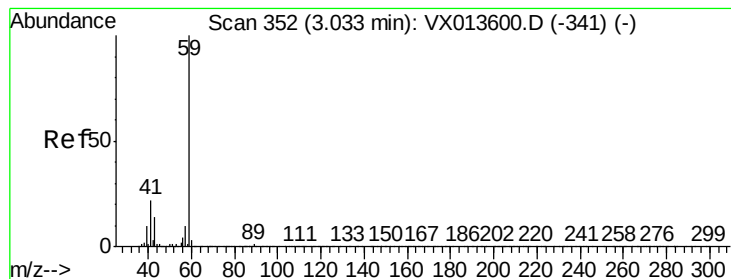
Delta R.T. -0.03 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	142	Resp:	84513
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.0	46.4
141	14.2	11.6	17.4





#11

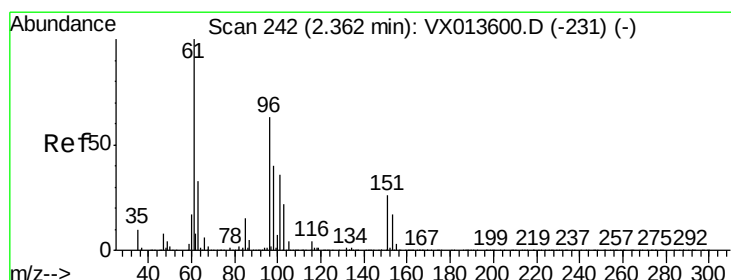
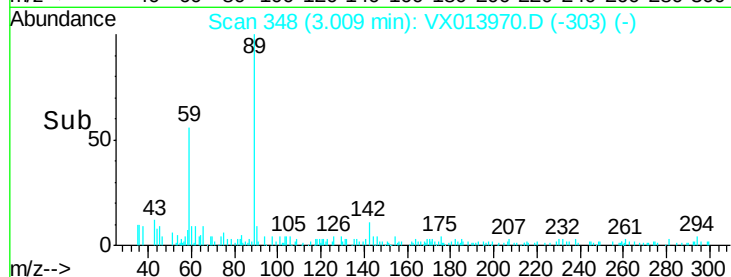
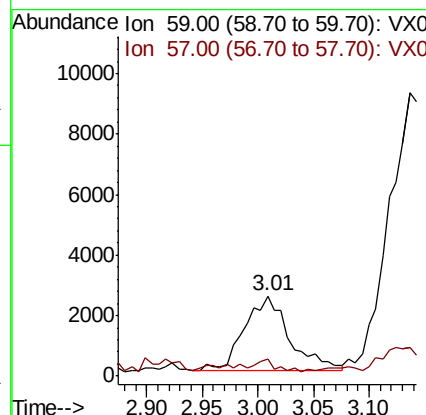
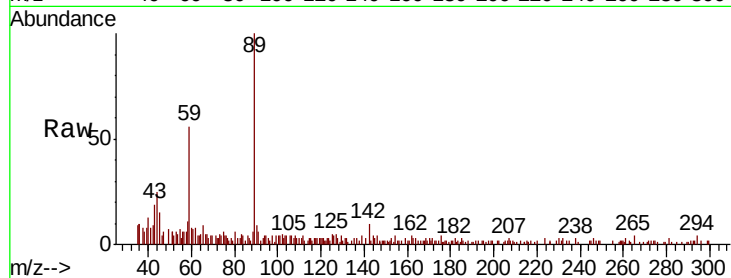
Tert butyl alcohol
Concen: 4.178 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

Manual Integrations
APPROVED

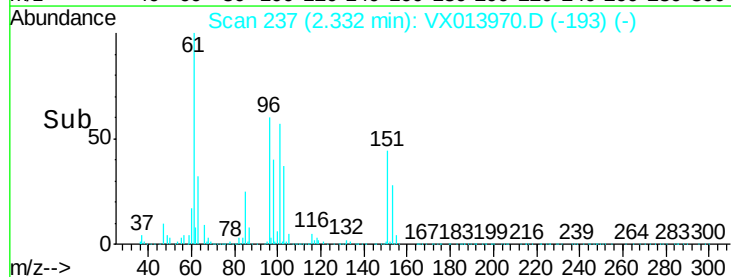
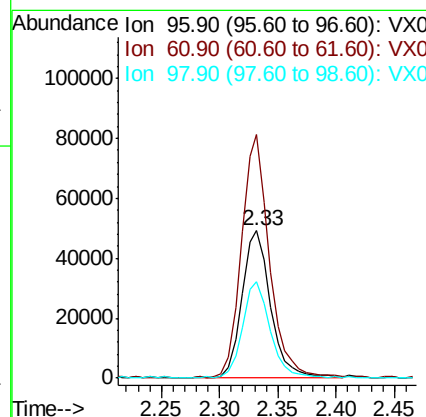
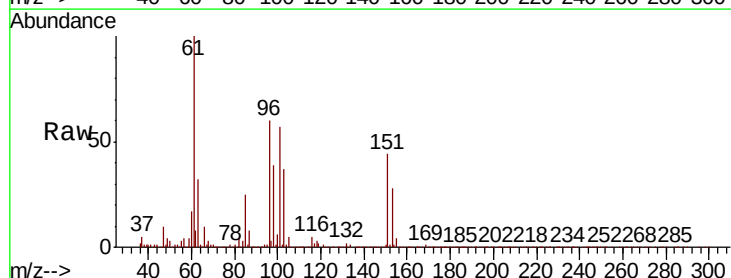
apatel
12/13/2019 11:25:15 AM

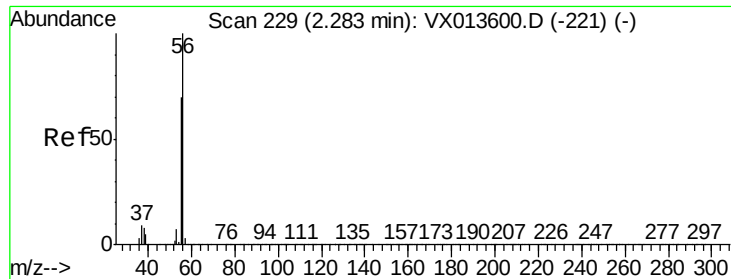


#12

1,1-Dichloroethene
Concen: 15.262 ug/l
RT: 2.33 min Scan# 237
Delta R.T. -0.03 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	126.6	190.0
98	65.0	50.6	76.0





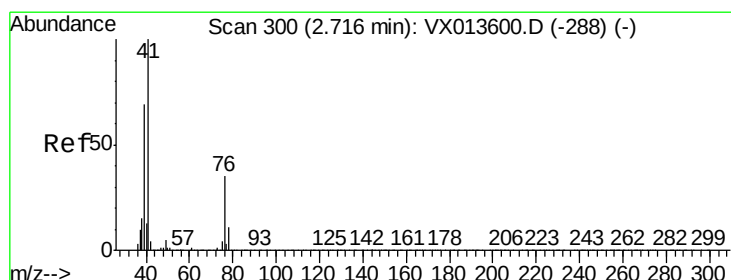
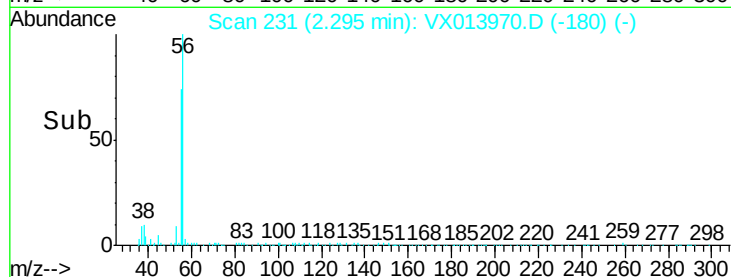
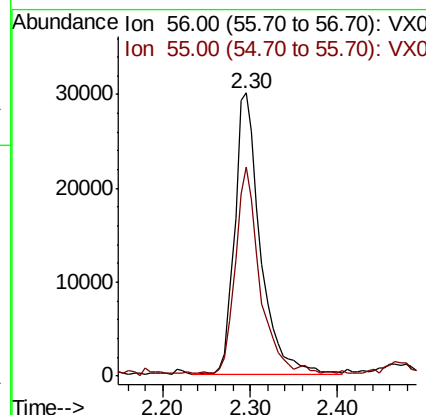
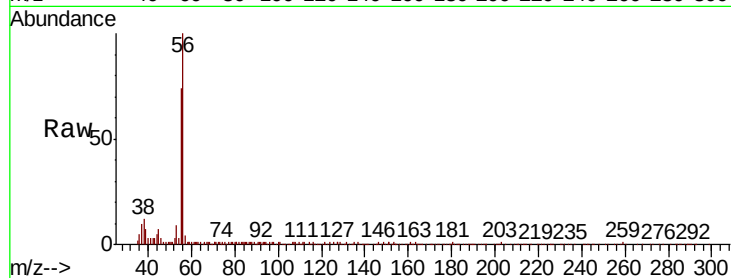
#13
Acrolein
Concen: 60.319 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.2	84.4

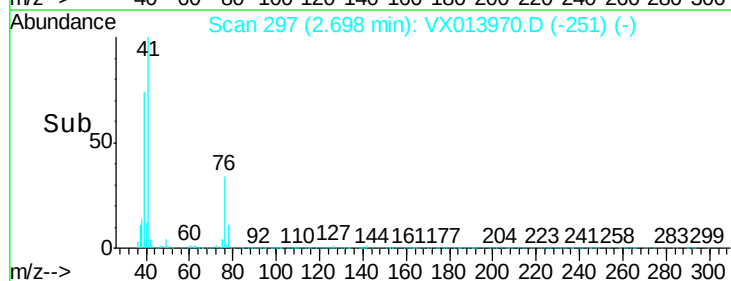
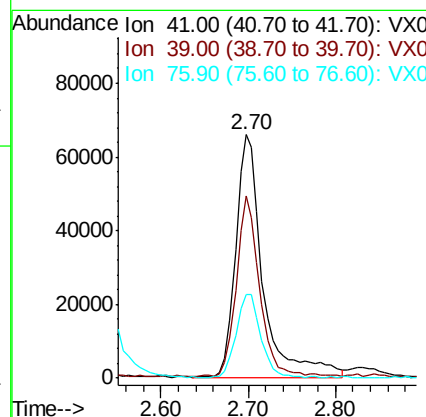
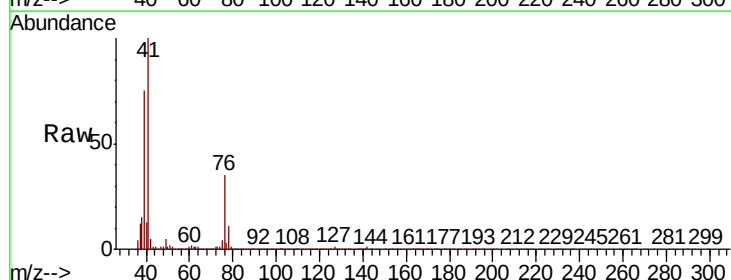
Manual Integrations
APPROVED

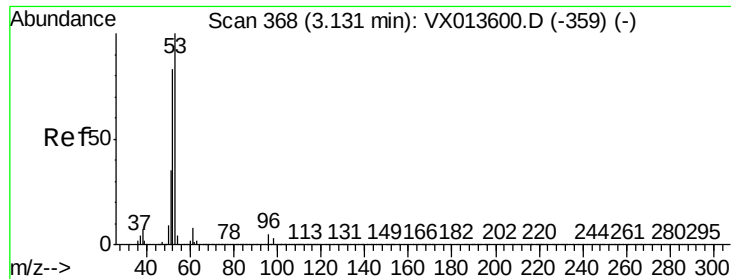
apatel
12/13/2019 11:25:15 AM



#14
Allyl chloride
Concen: 14.633 ug/l
RT: 2.70 min Scan# 297
Delta R.T. -0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.7	77.5
76	30.0	25.9	38.9





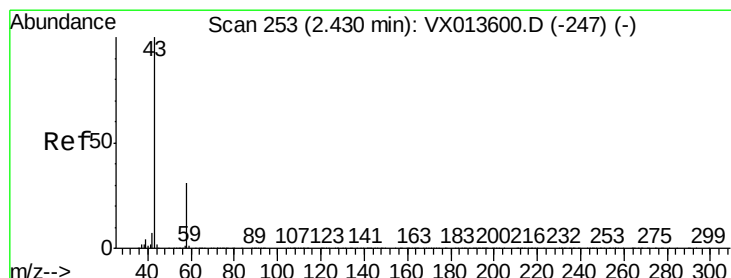
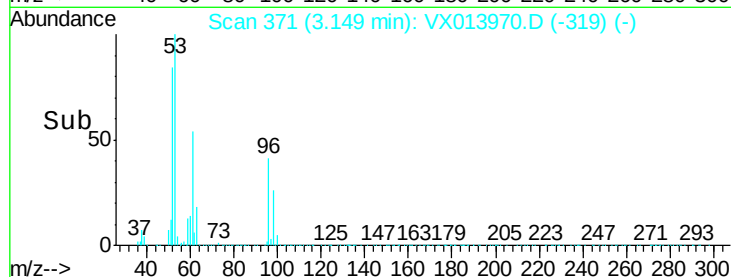
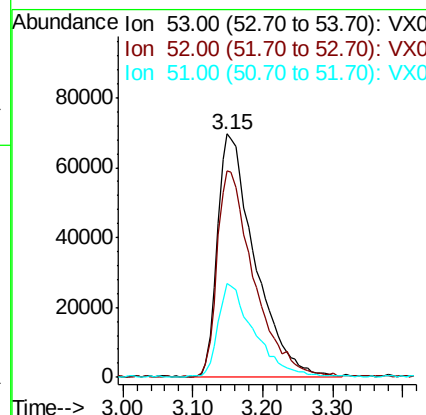
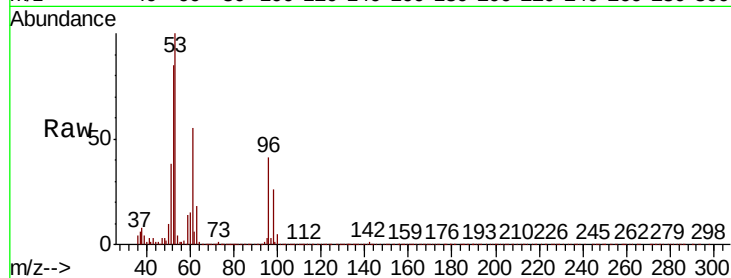
#15
 Acrylonitrile
 Concen: 75.035 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion:	53	Resp:	255664
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.2	99.2
51	36.8	29.0	43.6

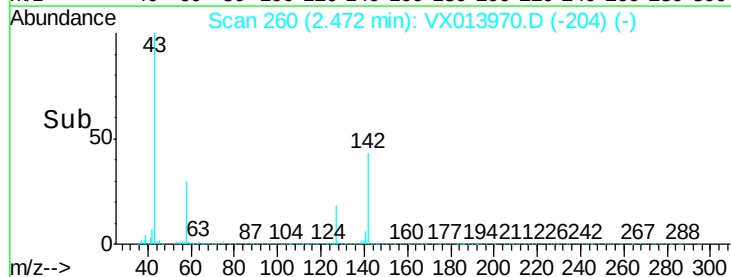
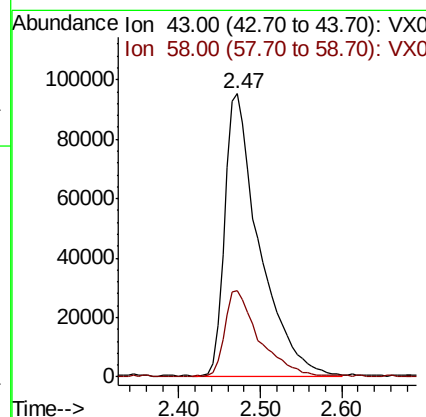
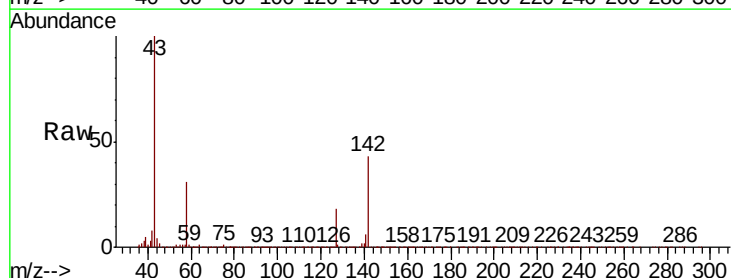
Manual Integrations
 APPROVED

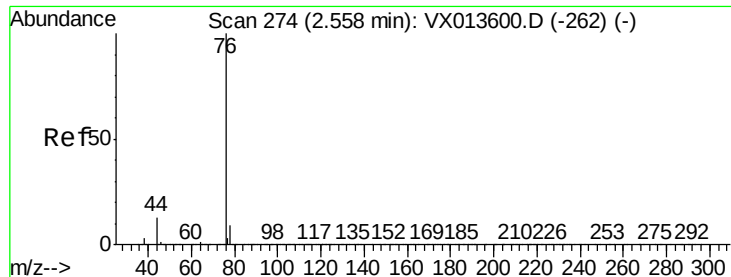
apatel
 12/13/2019 11:25:15 AM



#16
 Acetone
 Concen: 84.360 ug/l
 RT: 2.47 min Scan# 260
 Delta R.T. 0.04 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion:	43	Resp:	278526
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.6	36.8





#17

Carbon Disulfide

Concen: 11.831 ug/l

RT: 2.53 min Scan# 269

Delta R.T. -0.03 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 76 Resp: 184917

Ion Ratio Lower Upper

76 100

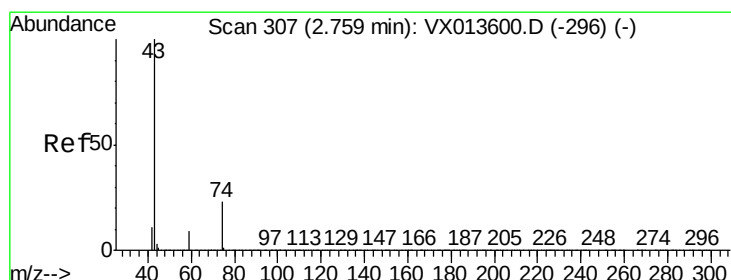
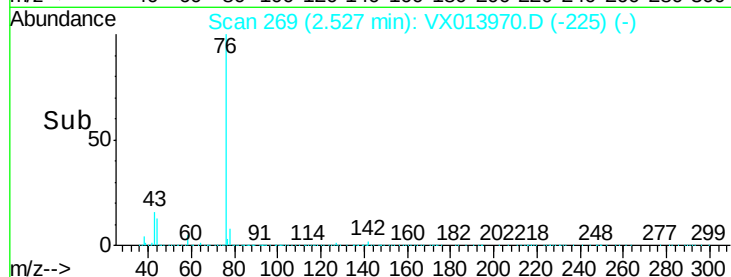
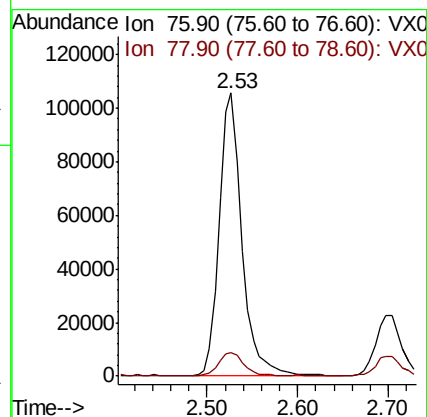
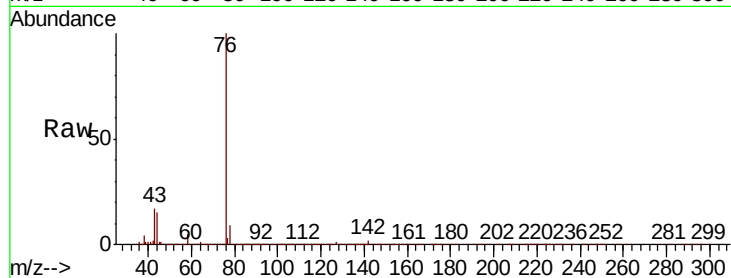
78 8.2 7.2 10.8

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#18

Methyl Acetate

Concen: 17.359 ug/l

RT: 2.78 min Scan# 310

Delta R.T. 0.02 min

Lab File: VX013970.D

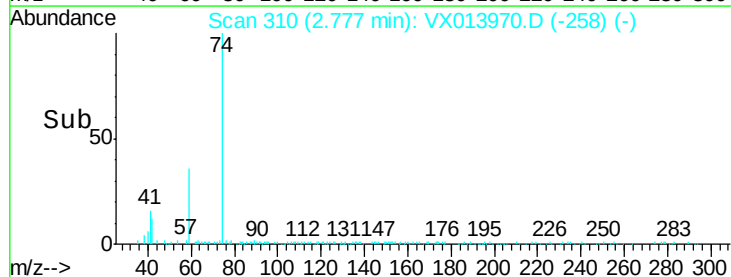
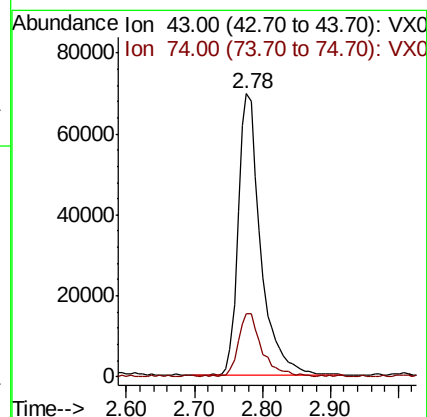
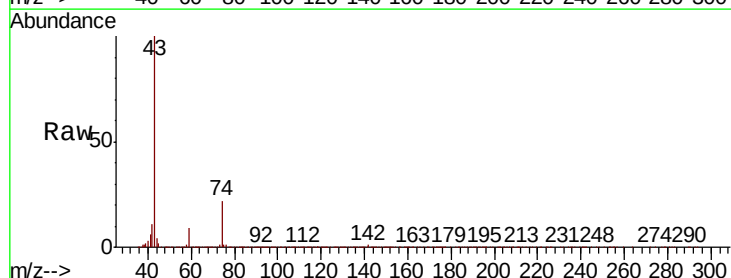
Acq: 12 Dec 2019 12:55

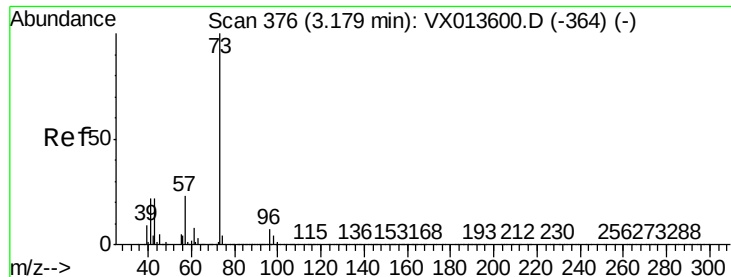
Tgt Ion: 43 Resp: 159592

Ion Ratio Lower Upper

43 100

74 23.1 19.5 29.3





#19

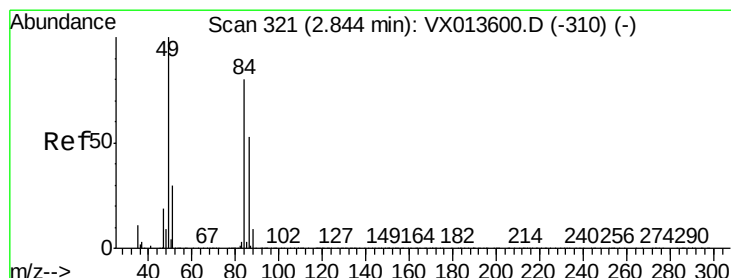
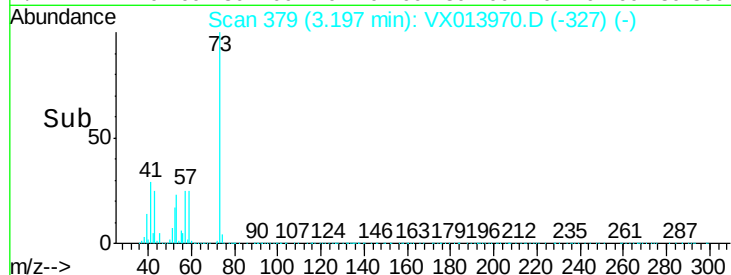
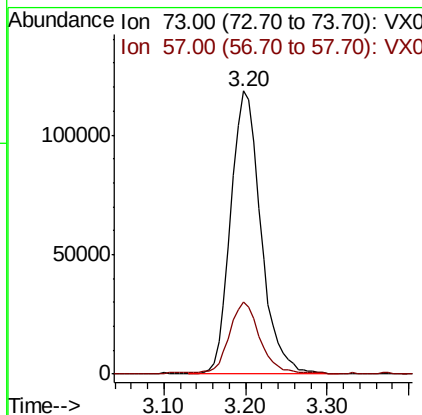
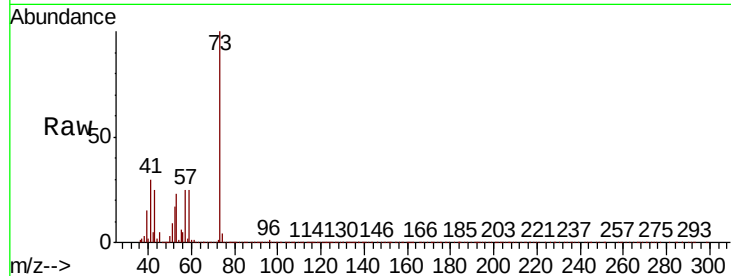
Methyl tert-butyl Ether
 Concen: 16.548 ug/l
 RT: 3.20 min Scan# 379
 Delta R.T. 0.02 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.3	27.5

Manual Integrations
 APPROVED

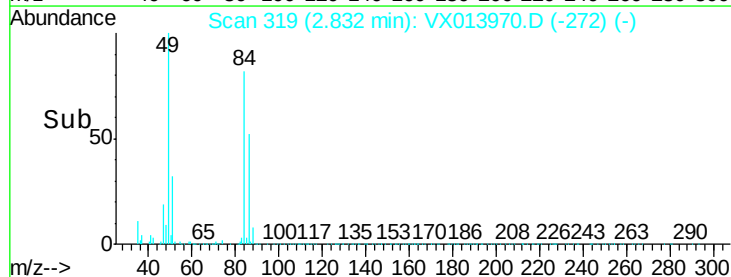
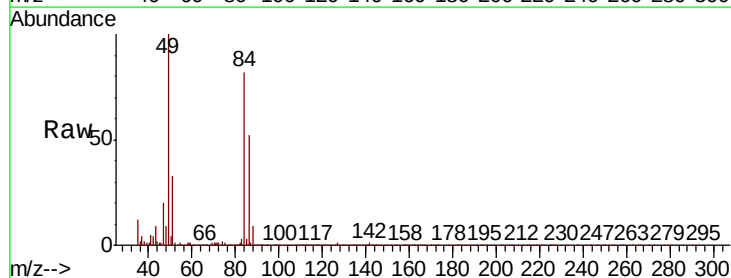
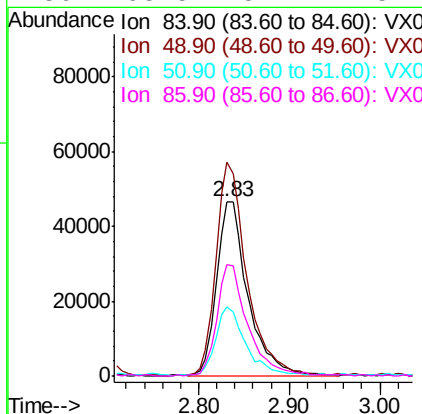
apatel
 12/13/2019 11:25:15 AM

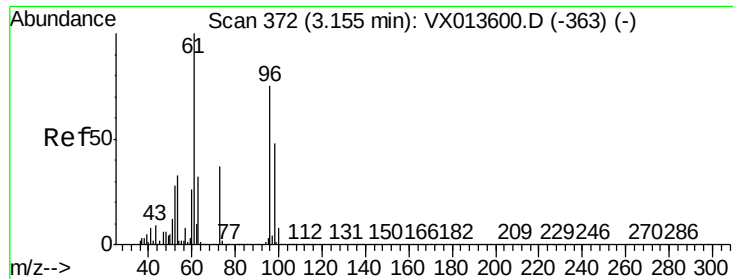


#20

Methylene Chloride
 Concen: 17.702 ug/l
 RT: 2.83 min Scan# 319
 Delta R.T. -0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	99.7	149.5
51	39.7	29.9	44.9
86	63.5	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 15.053 ug/l

RT: 3.14 min Scan# 369

Delta R.T. -0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

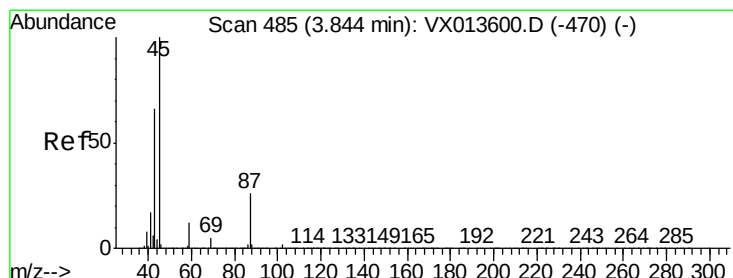
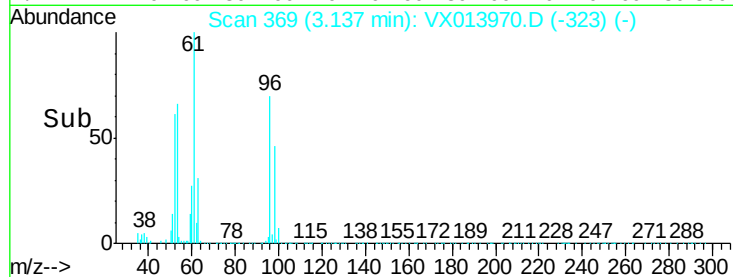
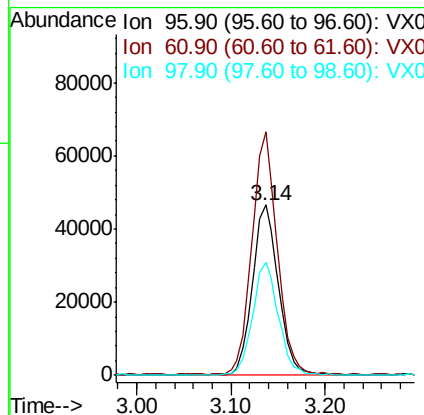
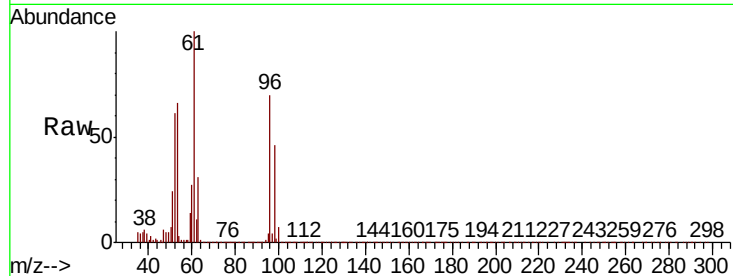
ClientSampleId :

VX1212WBS02

Tot Ion:	96	Resp:	89906
Ion	Ratio	Lower	Upper
96	100		
61	142.4	107.2	160.8
98	66.2	51.4	77.0

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#22

Diisopropyl ether

Concen: 17.419 ug/l

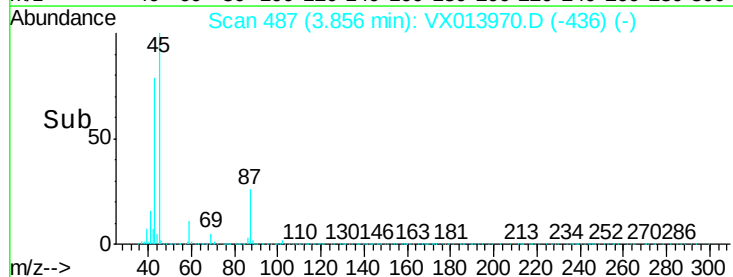
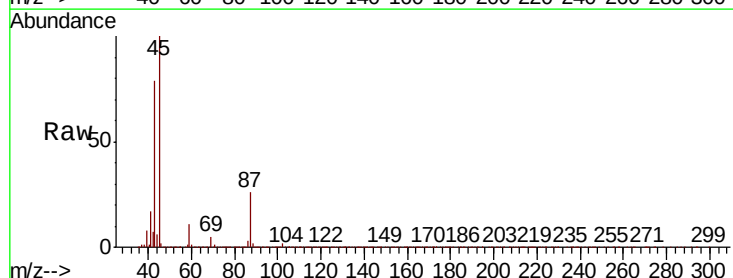
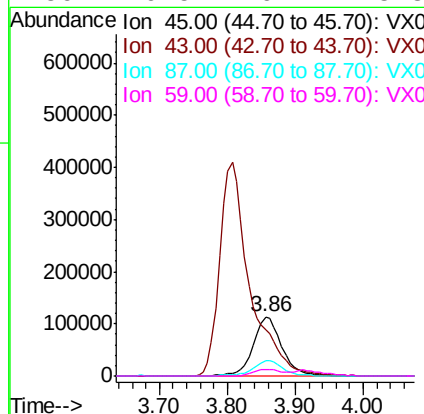
RT: 3.86 min Scan# 487

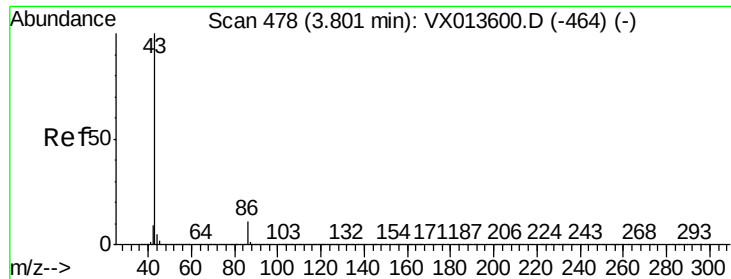
Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	45	Resp:	333730
Ion	Ratio	Lower	Upper
45	100		
43	78.8	52.6	79.0
87	25.9	21.1	31.7
59	10.5	9.2	13.8





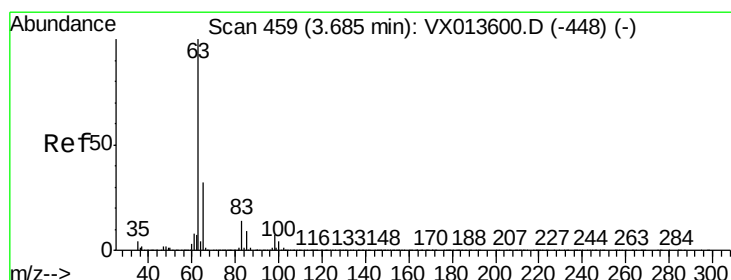
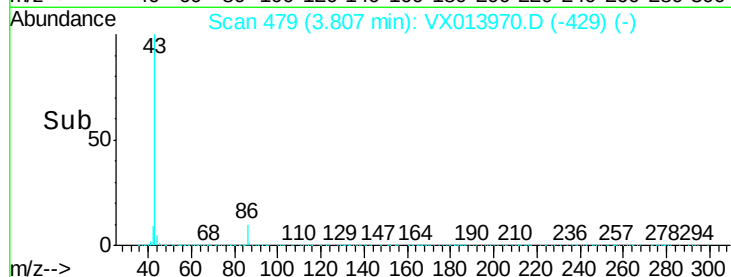
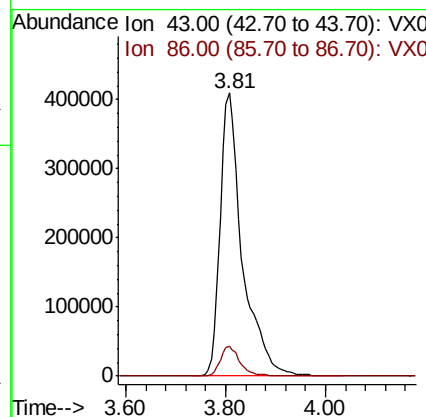
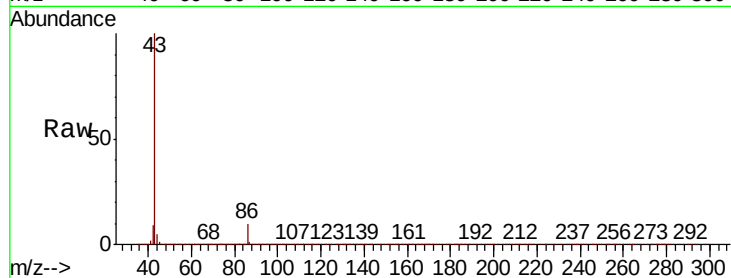
#23
 Vinyl Acetate
 Concen: 79.163 ug/l
 RT: 3.81 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion: 43 Resp: 1261688
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.7 13.1

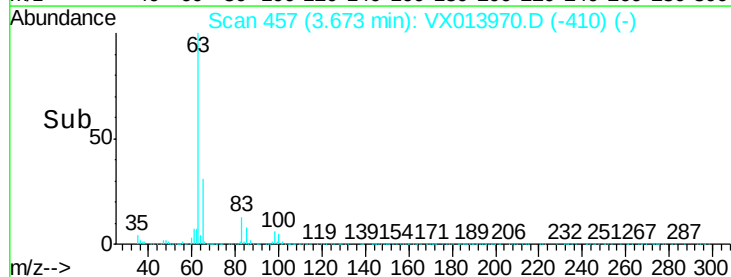
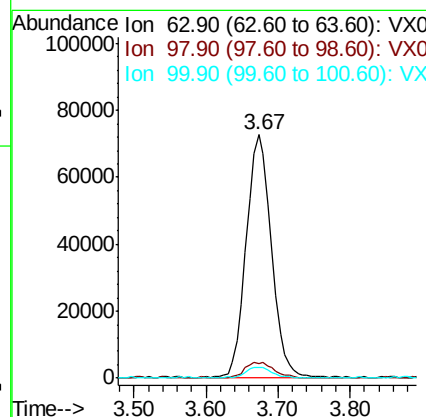
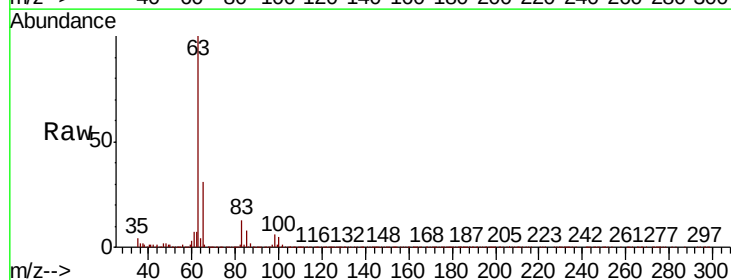
Manual Integrations
 APPROVED

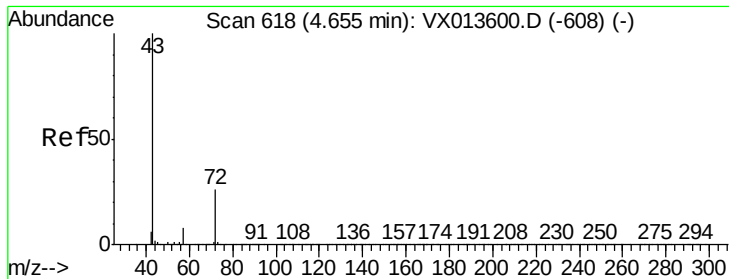
apatel
 12/13/2019 11:25:15 AM



#24
 1,1-Dichloroethane
 Concen: 16.862 ug/l
 RT: 3.67 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion: 63 Resp: 176603
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.5 10.4
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 73.000 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.04 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 43 Resp: 358201

Ion Ratio Lower Upper

43 100

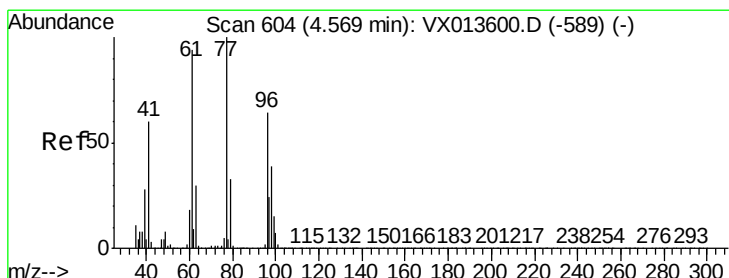
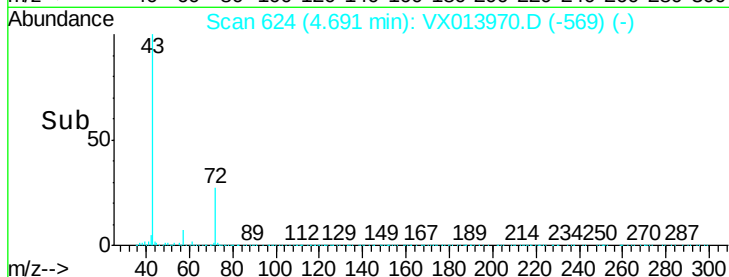
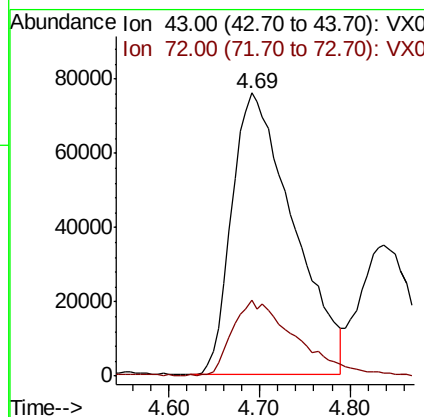
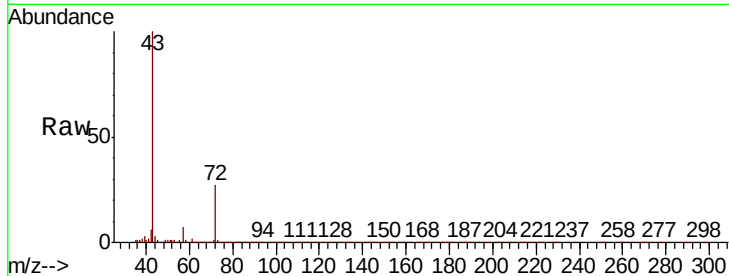
72 26.5 20.6 31.0

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#26

2,2-Dichloropropane

Concen: 15.648 ug/l

RT: 4.56 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX013970.D

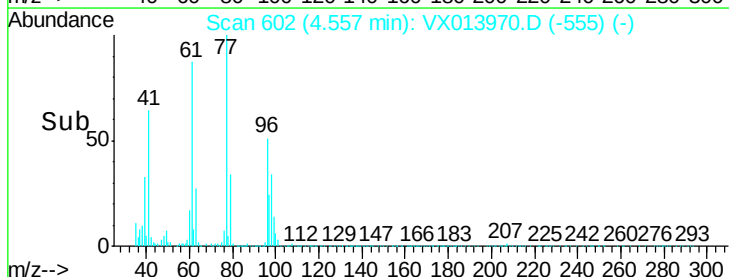
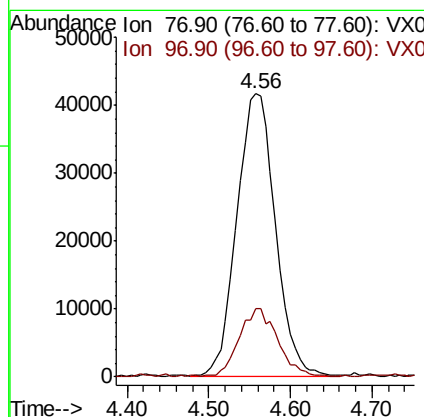
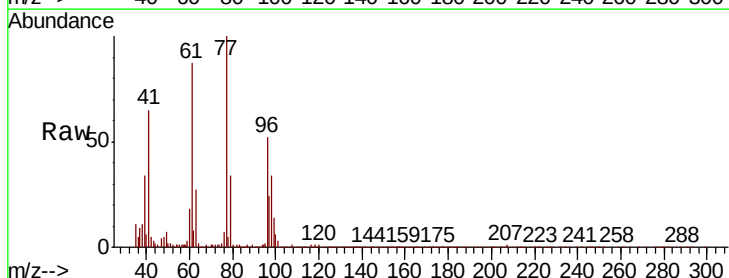
Acq: 12 Dec 2019 12:55

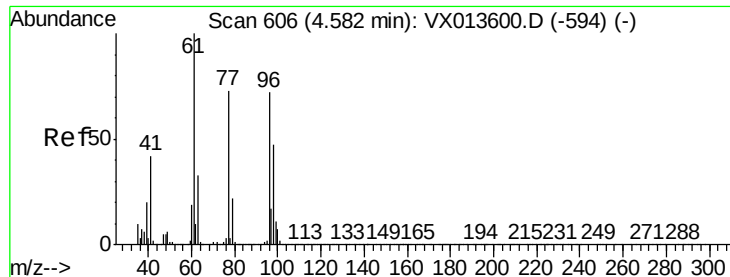
Tgt Ion: 77 Resp: 135598

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1





#27

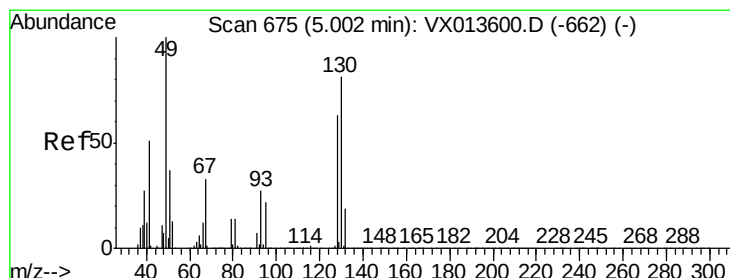
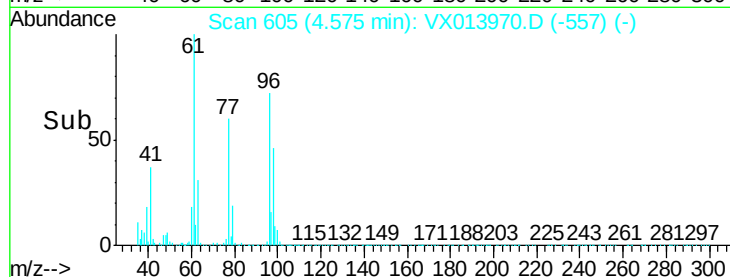
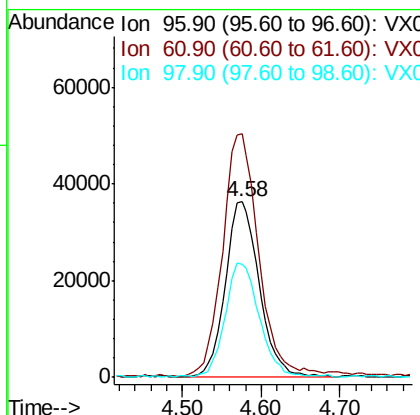
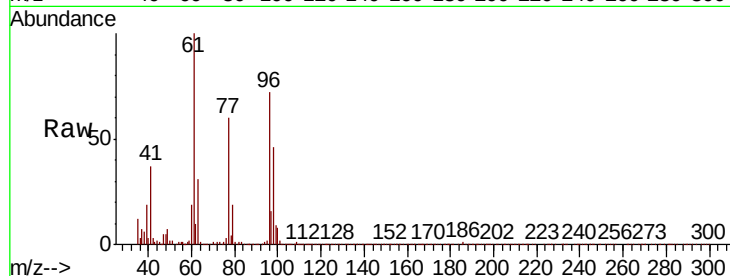
cis-1,2-Dichloroethene
Concen: 15.710 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107758		
61	150.0	0.0	286.4	
98	64.6	0.0	127.4	

Manual Integrations
APPROVED

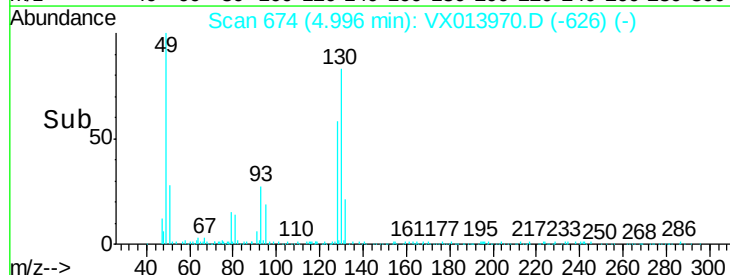
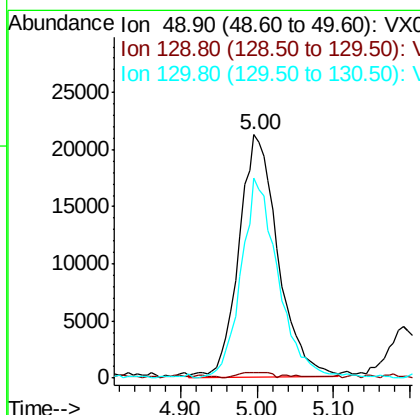
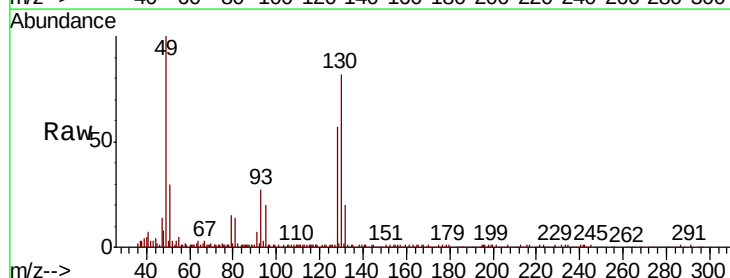
apatel
12/13/2019 11:25:15 AM

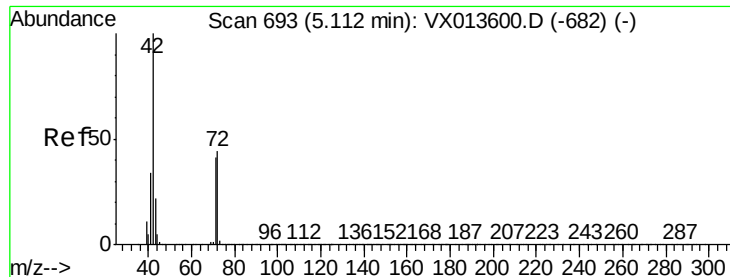


#28

Bromochloromethane
Concen: 18.274 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75664		
129	1.9	0.0	5.0	
130	78.5	65.4	98.0	





#29

Tetrahydrofuran

Concen: 75.120 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

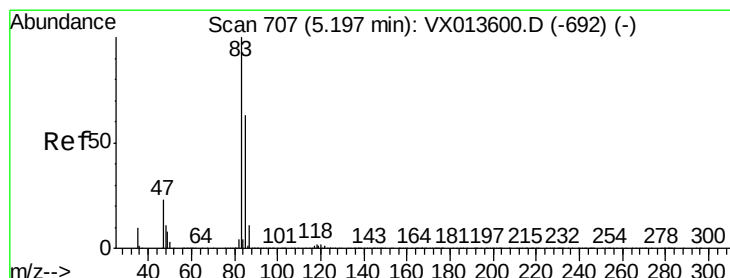
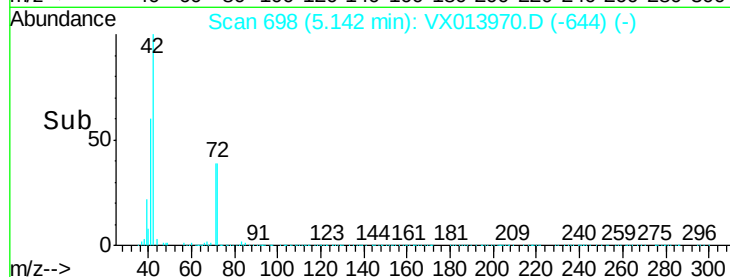
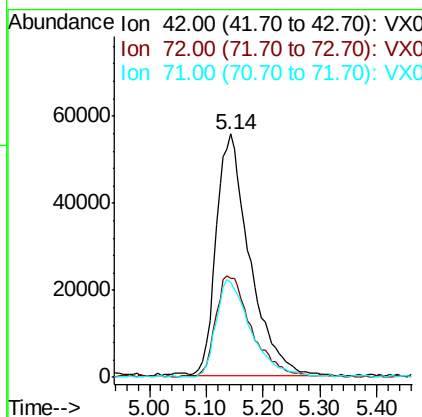
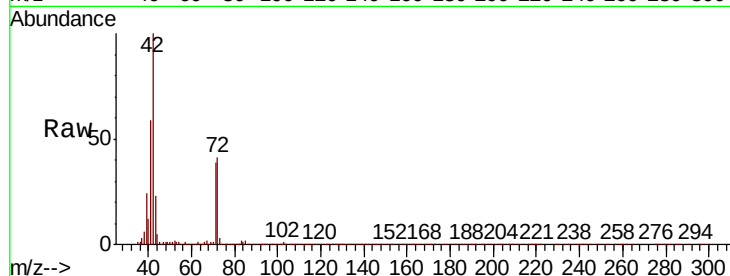
ClientSampleId :

VX1212WBS02

Tot Ion:	42	Resp:	227233
Ion Ratio		Lower	Upper
42	100		
72	44.5	36.3	54.5
71	40.9	33.2	49.8

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#30

Chloroform

Concen: 16.036 ug/l

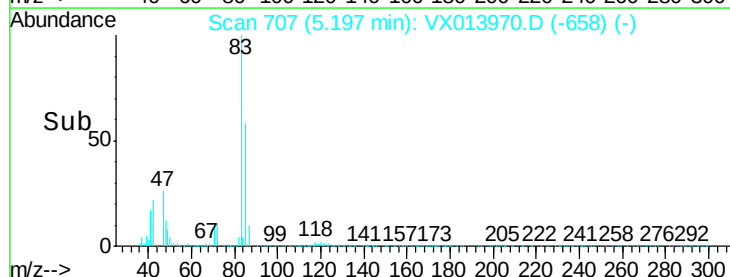
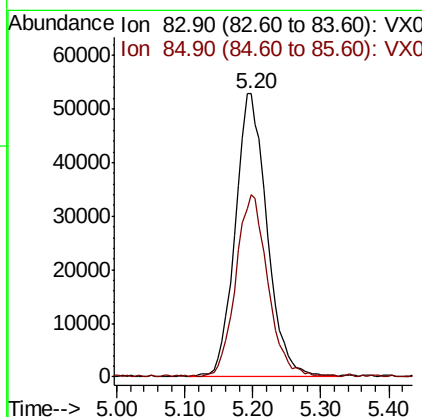
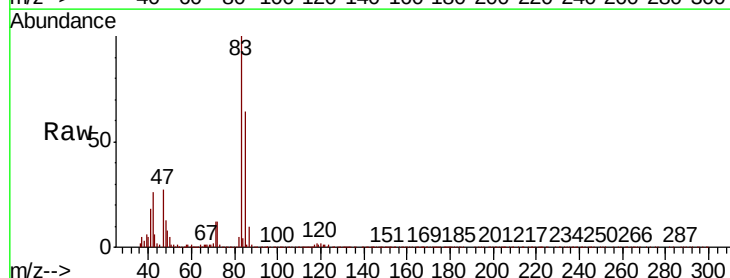
RT: 5.20 min Scan# 707

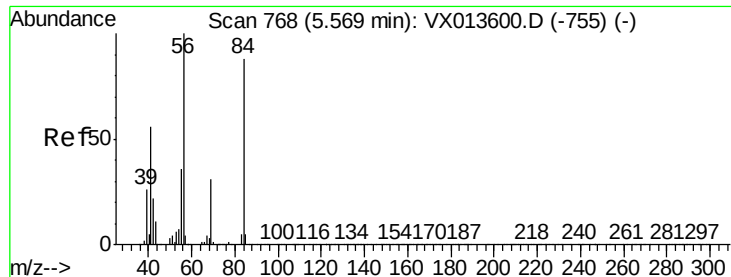
Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	83	Resp:	170325
Ion Ratio		Lower	Upper
83	100		
85	64.2	50.2	75.4





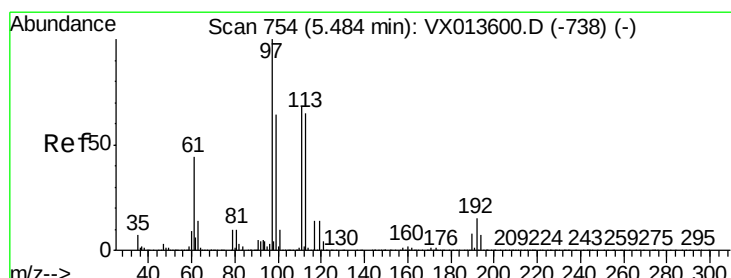
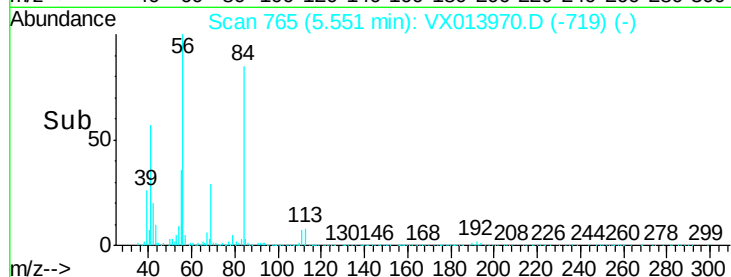
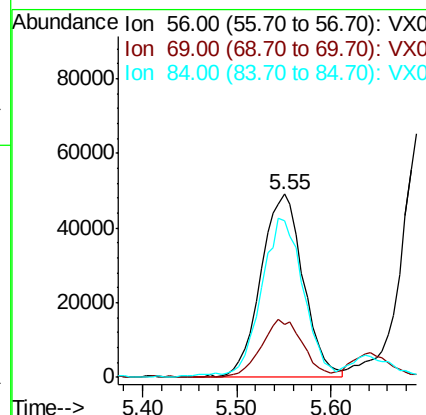
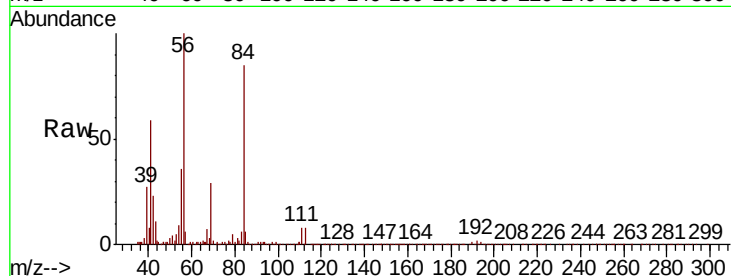
#31
Cyclohexane
Concen: 15.492 ug/l
RT: 5.55 min Scan# 765
Delta R.T. -0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.6	36.8
84	84.4	70.0	105.0

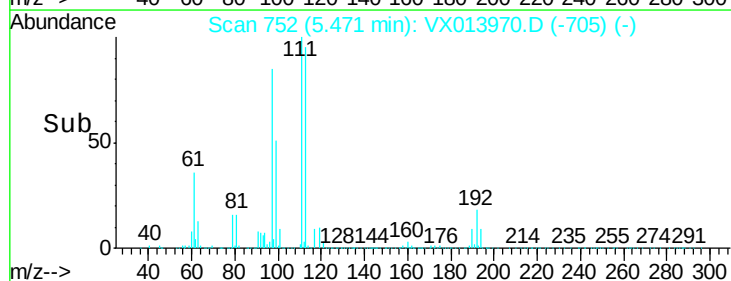
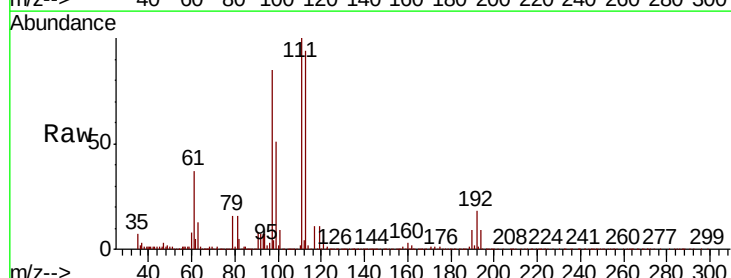
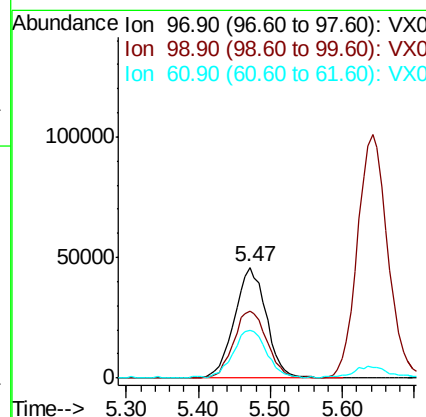
Manual Integrations
APPROVED

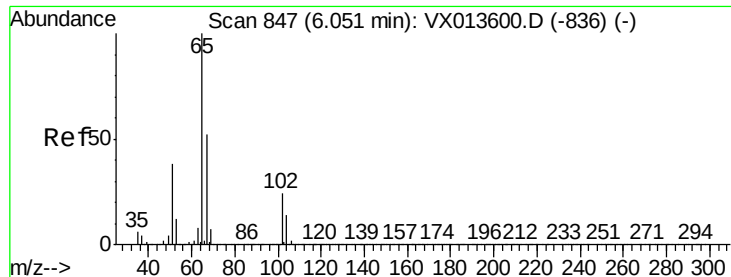
apatel
12/13/2019 11:25:15 AM



#32
1,1,1-Trichloroethane
Concen: 15.765 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	45.4	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 40.268 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 65 Resp: 269284

Ion Ratio Lower Upper

65 100

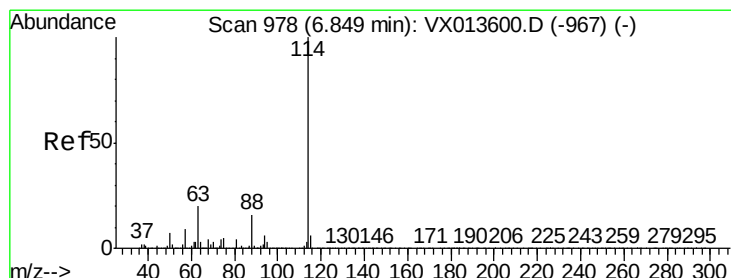
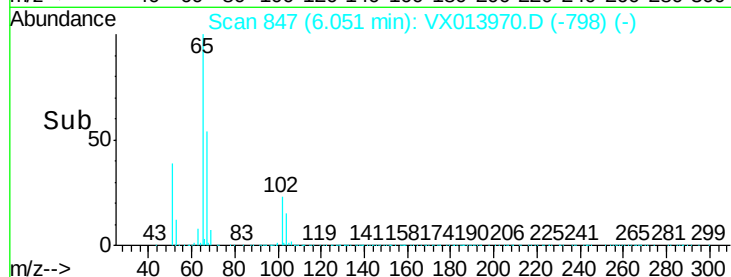
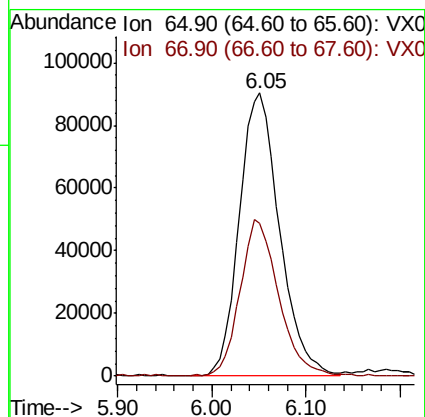
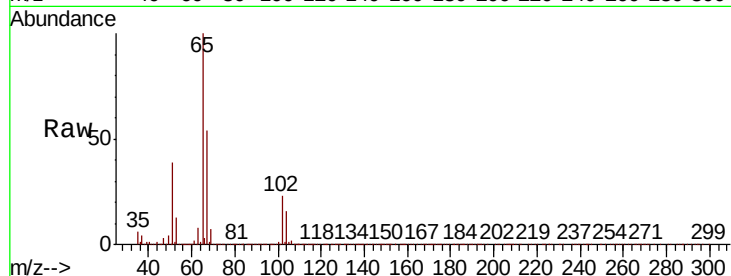
67 52.9 0.0 104.4

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

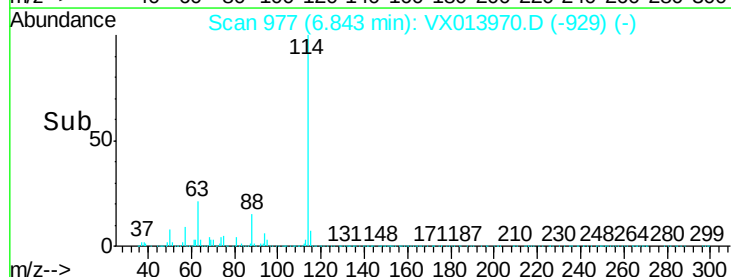
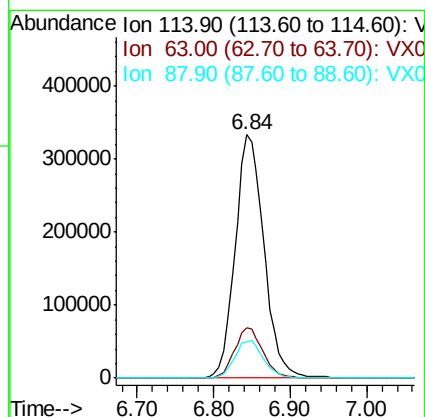
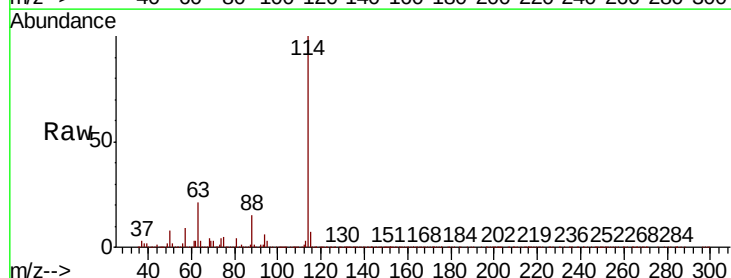
Tgt Ion: 114 Resp: 866436

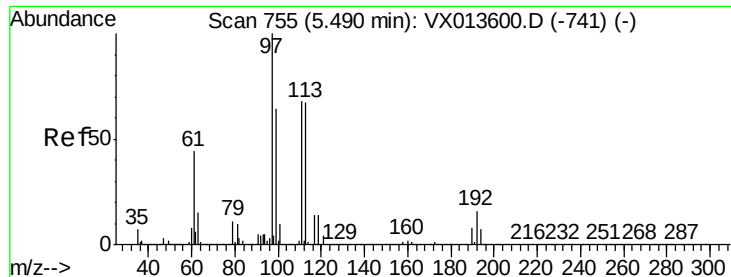
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 40.632 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

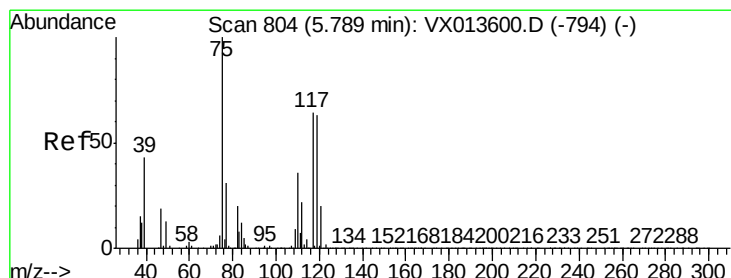
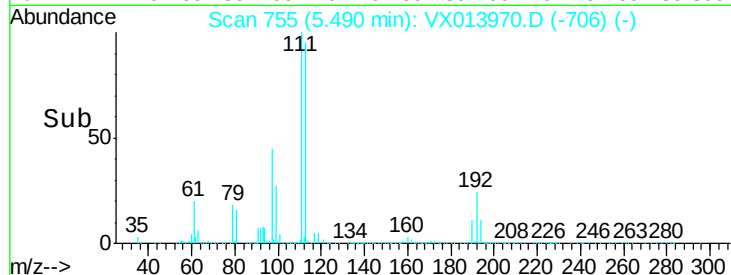
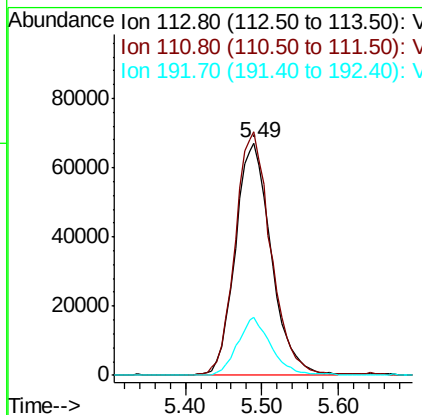
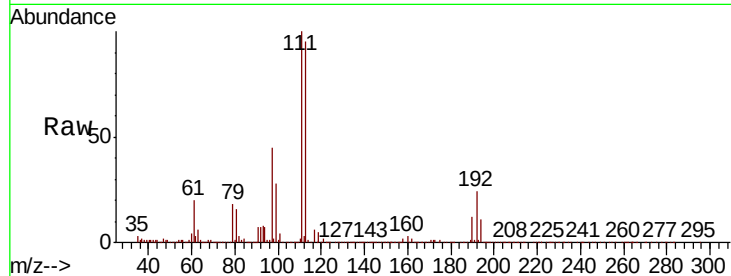
ClientSampleId :

VX1212WBS02

Tot Ion:	113	Resp:	217643
Ion Ratio	Lower	Upper	
113	100		
111	105.0	83.6	125.4
192	23.4	19.2	28.8

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#36

1,1-Dichloropropene

Concen: 15.896 ug/l

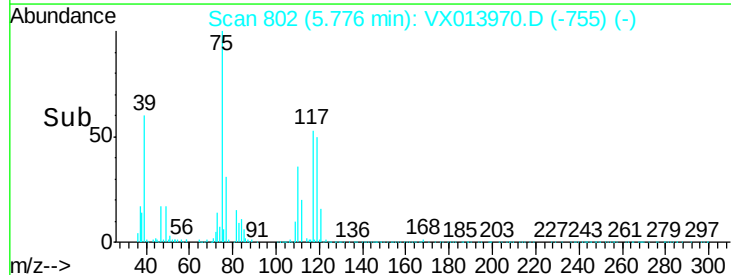
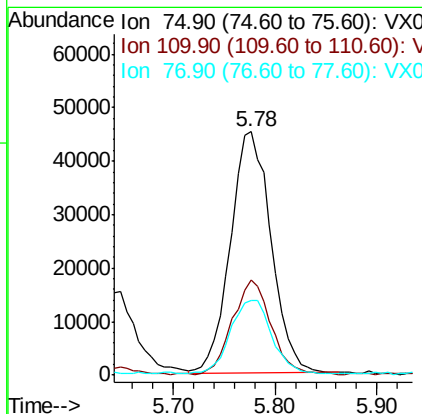
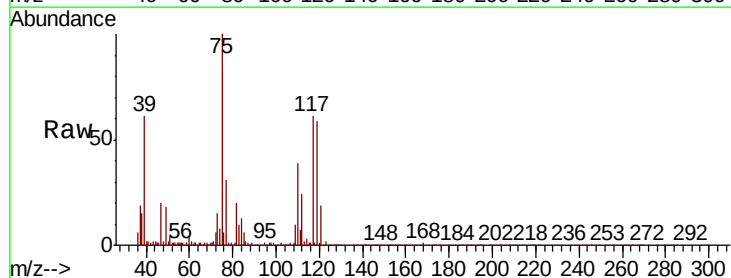
RT: 5.78 min Scan# 802

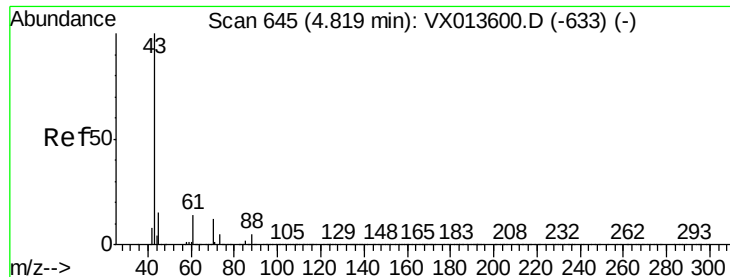
Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	75	Resp:	125020
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.1
77	30.8	24.5	36.7





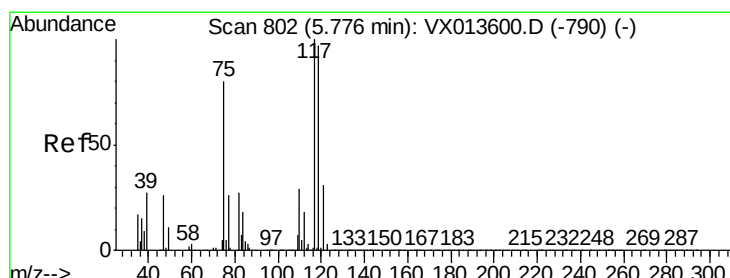
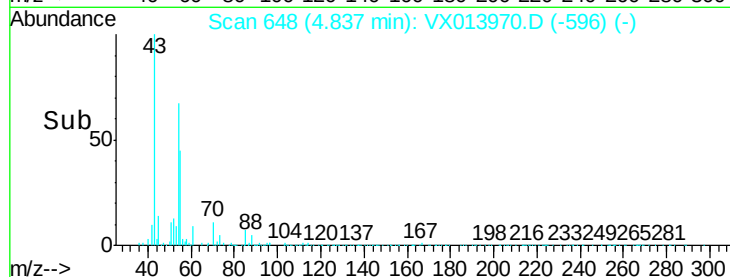
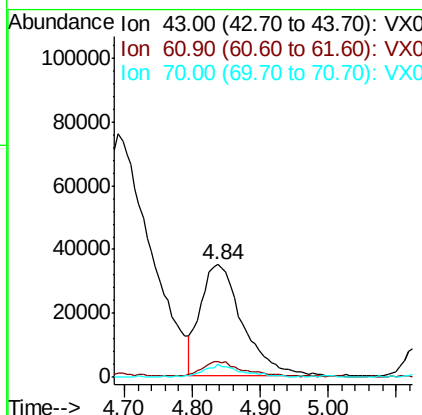
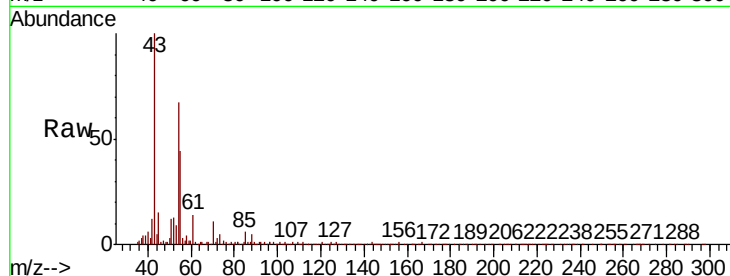
#37
Ethyl Acetate
Concen: 17.032 ug/l
RT: 4.84 min Scan# 648
Delta R.T. 0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.0	16.4
70	9.2	8.6	12.8

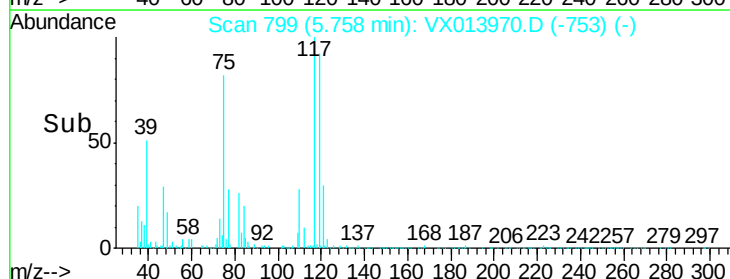
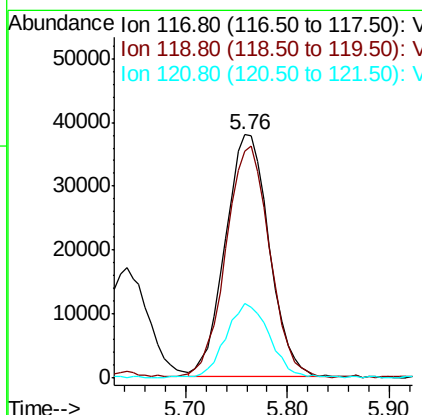
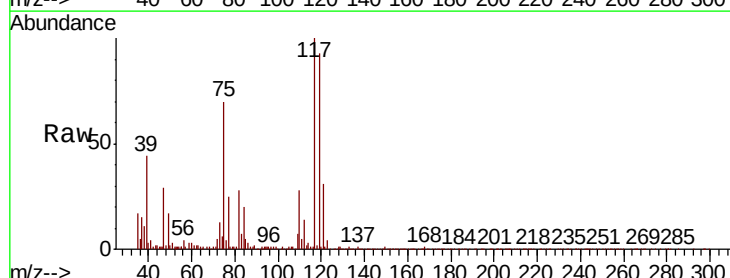
Manual Integrations
APPROVED

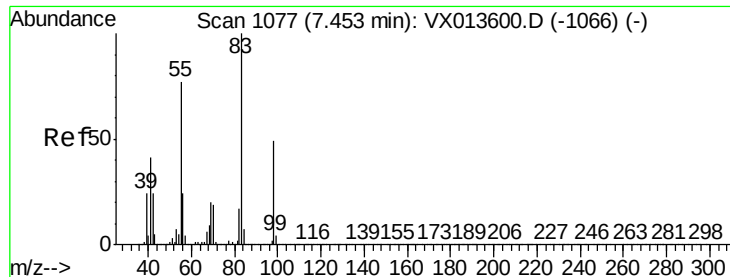
apatel
12/13/2019 11:25:15 AM



#38
Carbon Tetrachloride
Concen: 15.605 ug/l
RT: 5.76 min Scan# 799
Delta R.T. -0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.5	116.3
121	30.5	25.0	37.6





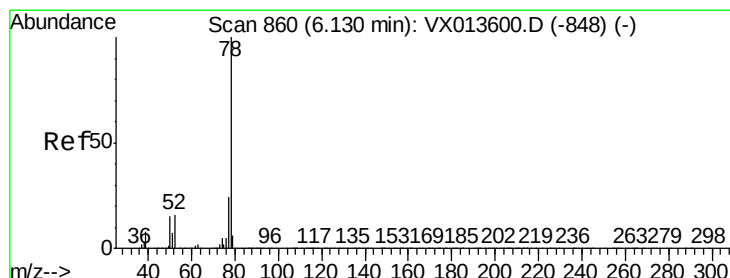
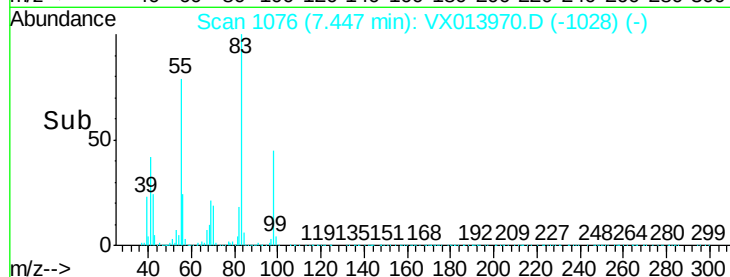
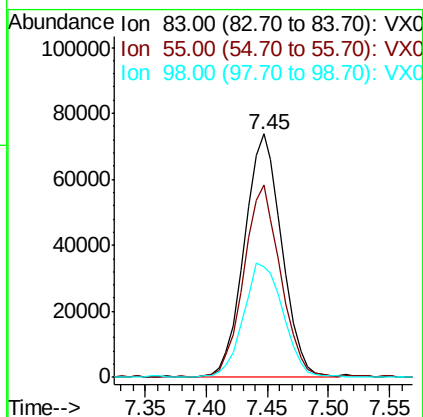
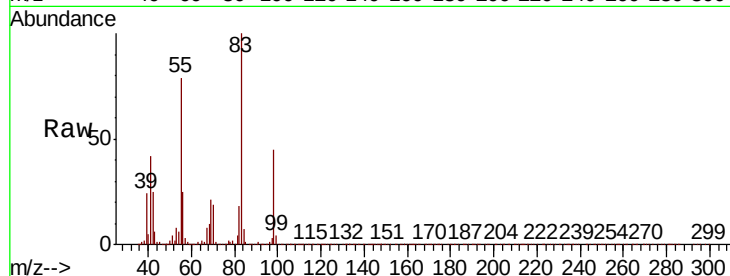
#39
Methylvlcyclohexane
Concen: 16.065 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.9	92.9
98	45.3	39.4	59.0

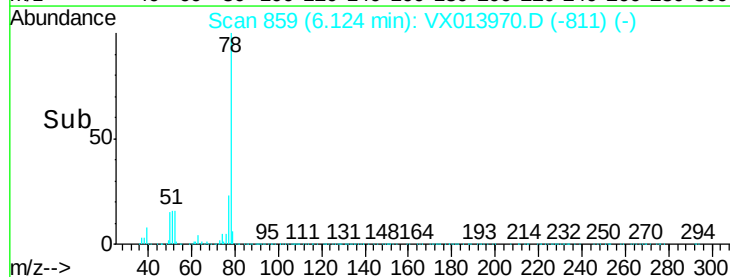
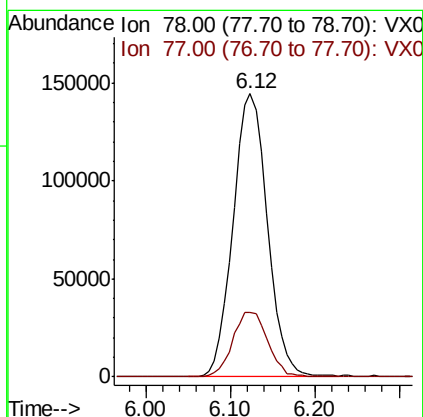
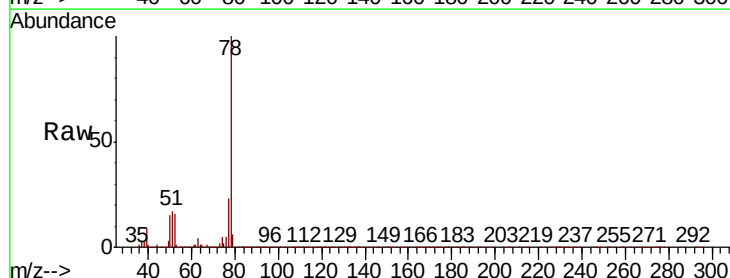
Manual Integrations
APPROVED

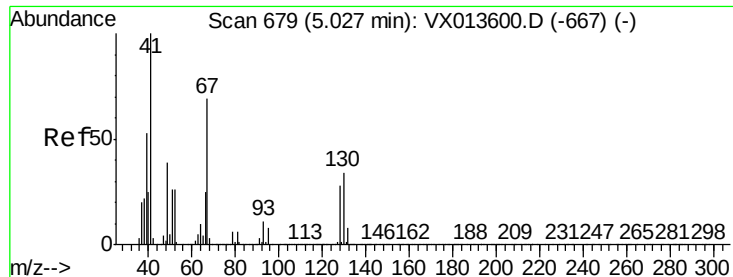
apatel
12/13/2019 11:25:15 AM



#40
Benzene
Concen: 16.670 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





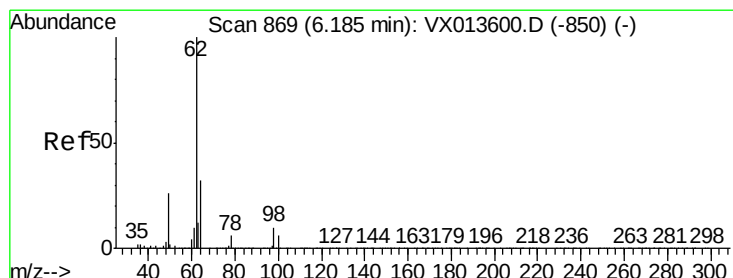
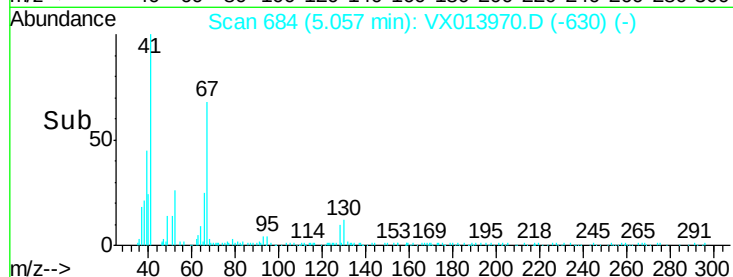
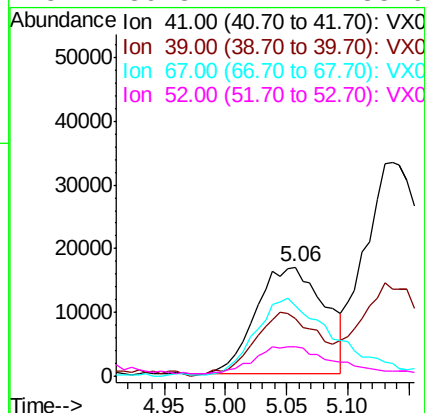
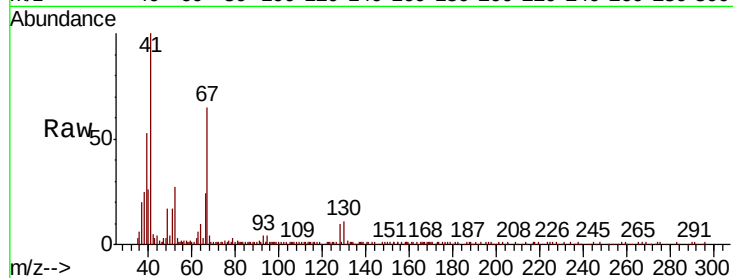
#41
Methacrylonitrile
Concen: 13.555 ug/l
RT: 5.06 min Scan# 684
Delta R.T. 0.03 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	42.9	64.3	
67	83.1	57.4	86.0	
52	30.3	22.4	33.6	

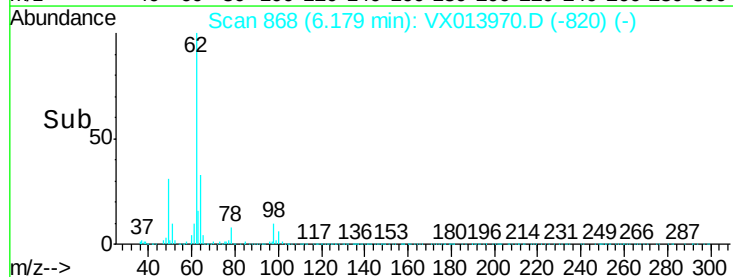
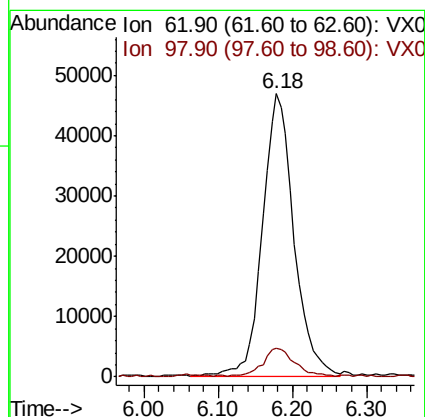
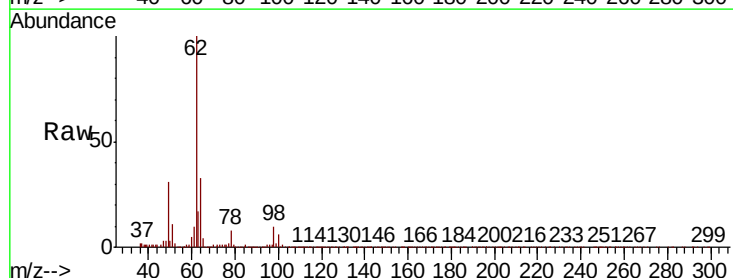
Manual Integrations
APPROVED

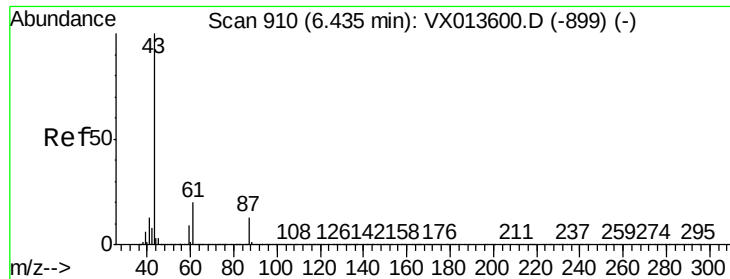
apatel
12/13/2019 11:25:15 AM



#42
1,2-Dichloroethane
Concen: 17.036 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.8	





#43

Isopropyl Acetate

Concen: 15.369 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

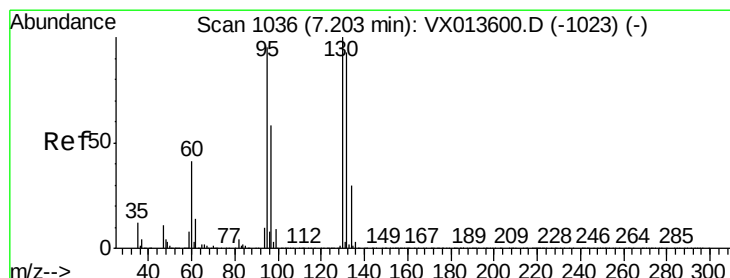
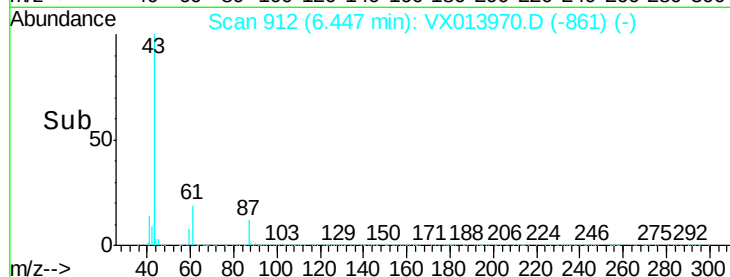
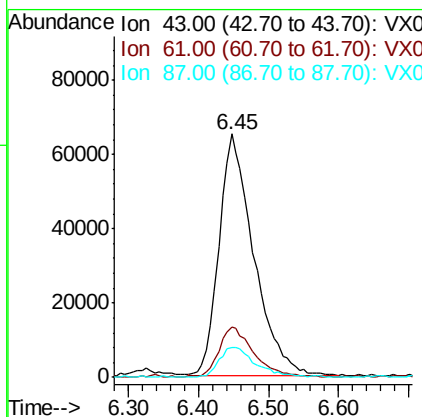
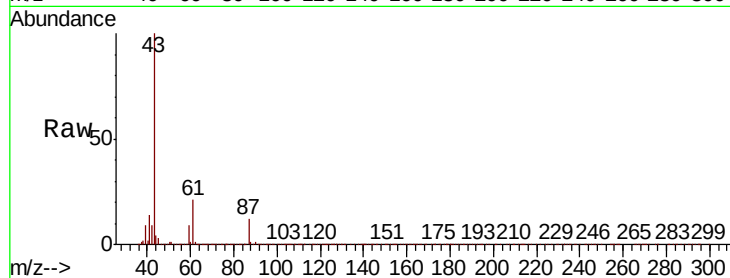
ClientSampleId :

VX1212WBS02

Tot Ion	43	Resp	223257
Ion Ratio	Lower	Upper	
43	100		
61	21.4	16.3	24.5
87	12.6	10.8	16.2

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#44

Trichloroethene

Concen: 15.790 ug/l

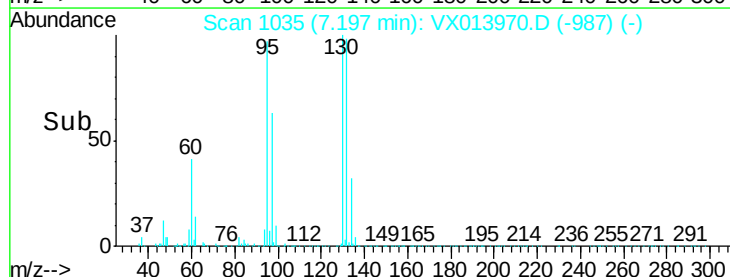
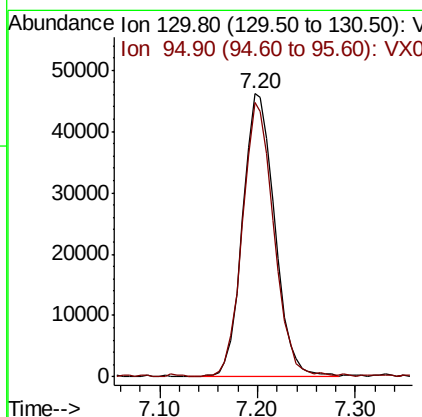
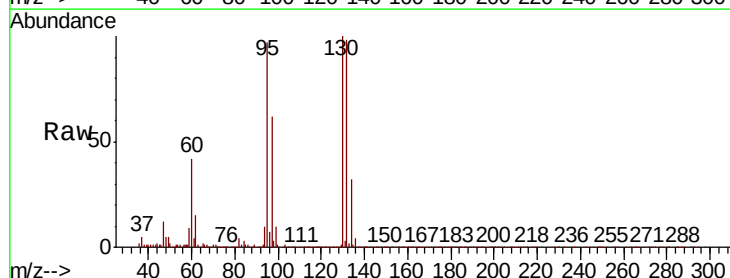
RT: 7.20 min Scan# 1035

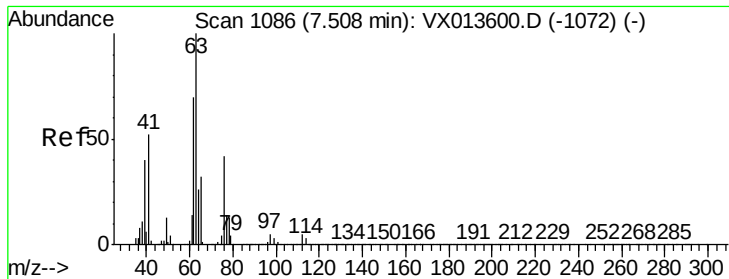
Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion	130	Resp	103808
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	190.8





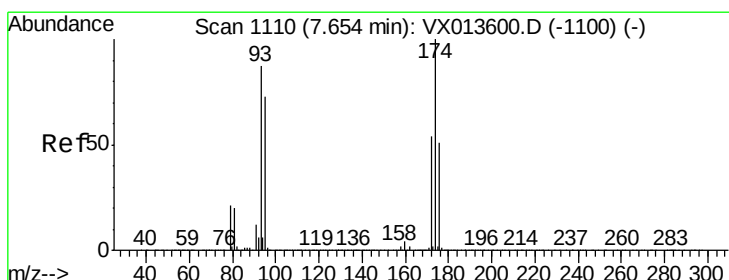
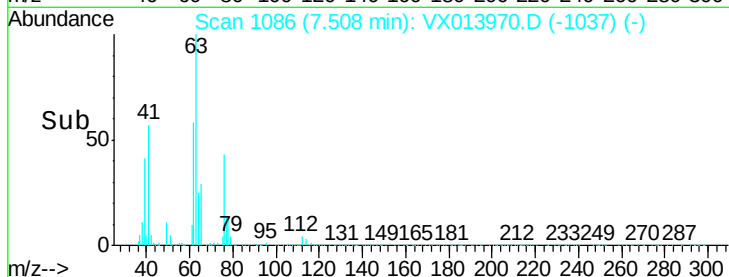
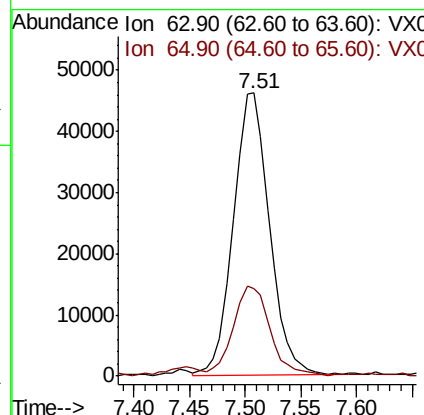
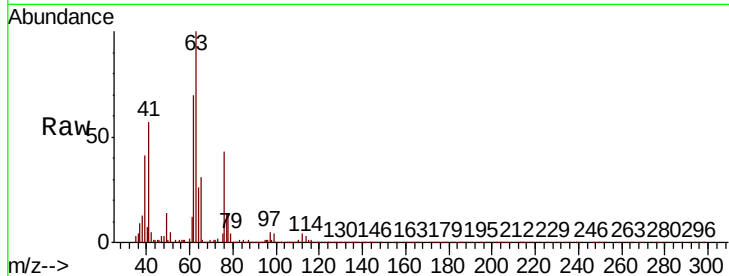
#45
 1,2-Dichloropropane
 Concen: 17.289 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.5	38.3

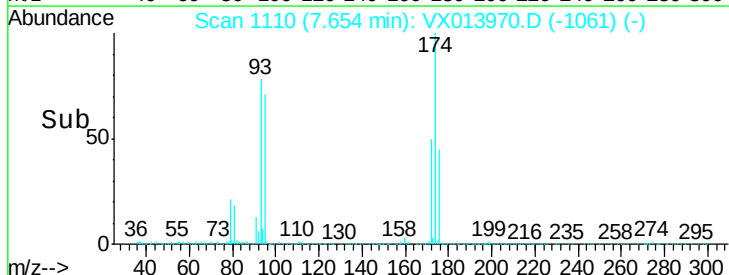
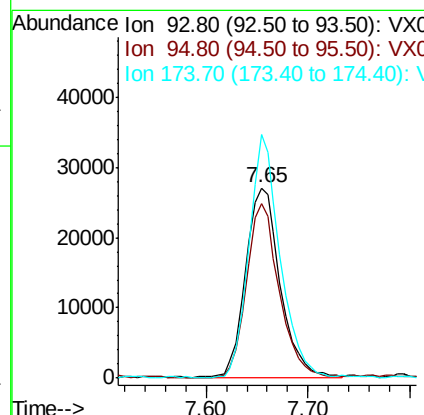
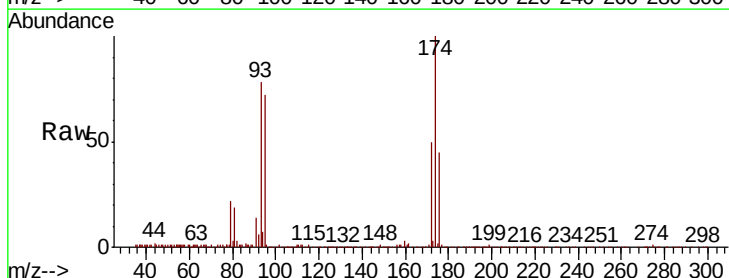
Manual Integrations
 APPROVED

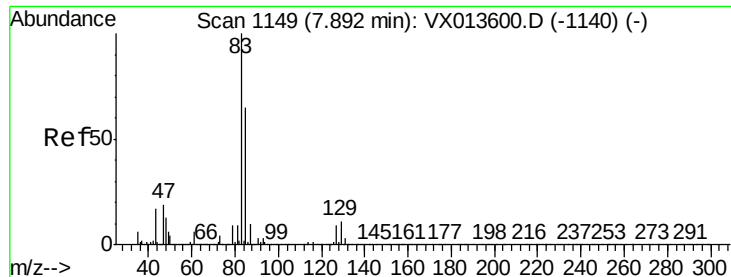
apatel
 12/13/2019 11:25:15 AM



#46
 Dibromomethane
 Concen: 15.823 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.4	66.2	99.2
174	114.2	93.4	140.0





#47

Bromodichloromethane

Concen: 15.614 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

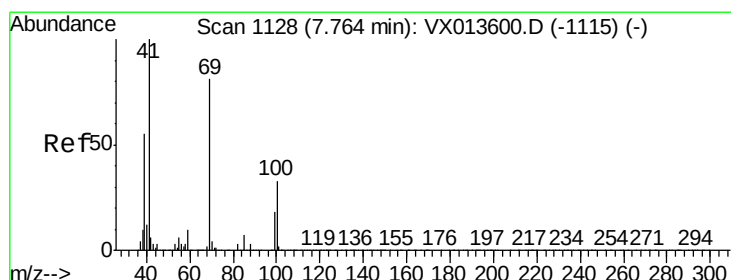
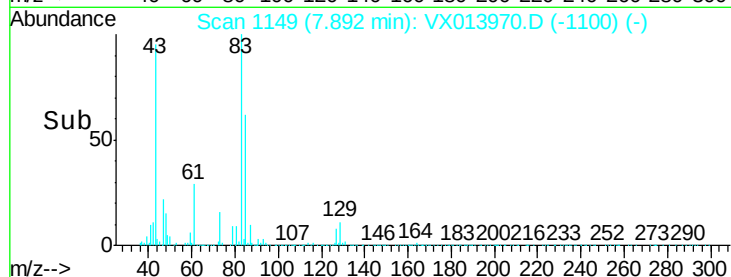
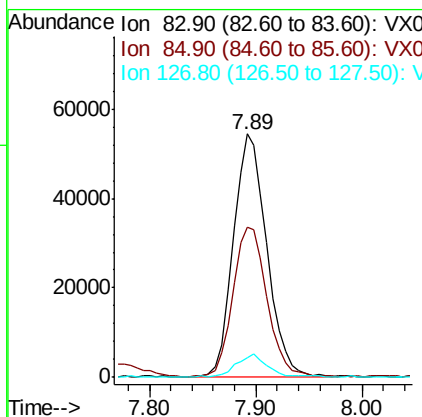
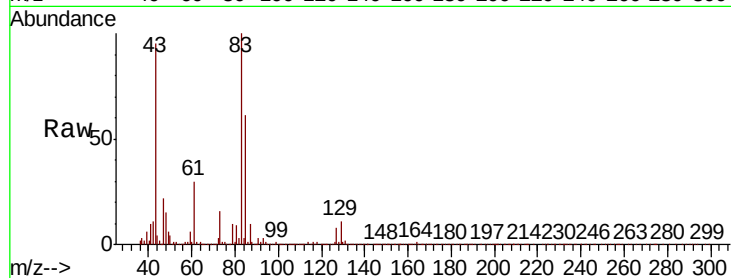
ClientSampleId :

VX1212WBS02

Tot Ion:	83	Resp:	120153
Ion Ratio	Lower	Upper	
83	100		
85	61.1	52.1	78.1
127	7.9	7.0	10.4

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#48

Methyl methacrylate

Concen: 15.327 ug/l

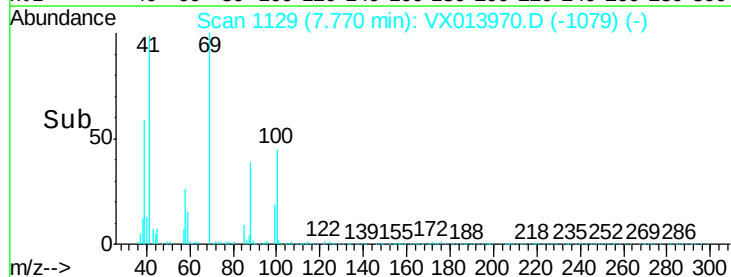
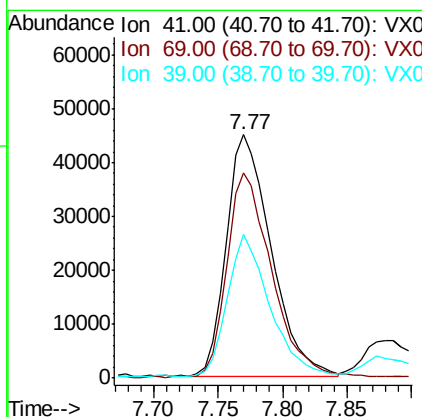
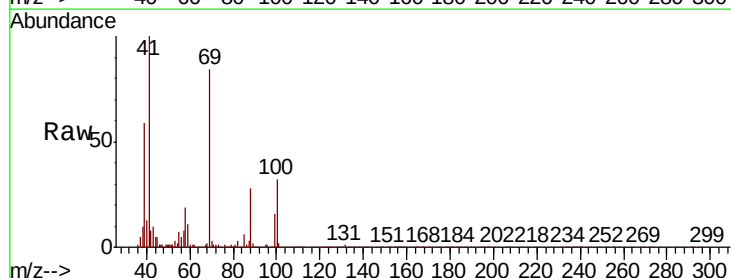
RT: 7.77 min Scan# 1129

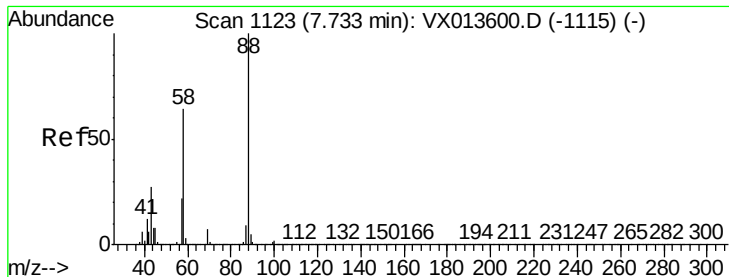
Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	41	Resp:	108179
Ion Ratio	Lower	Upper	
41	100		
69	84.1	64.7	97.1
39	55.4	43.8	65.6





#49

1,4-Dioxane

Concen: 260.389 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

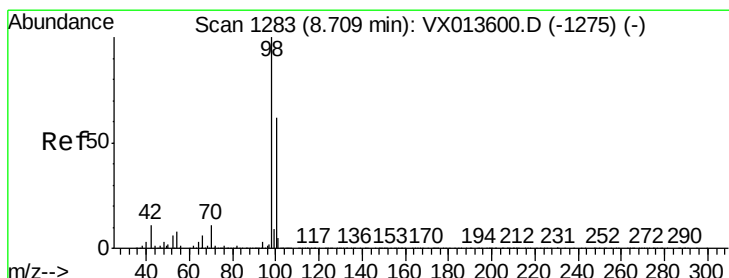
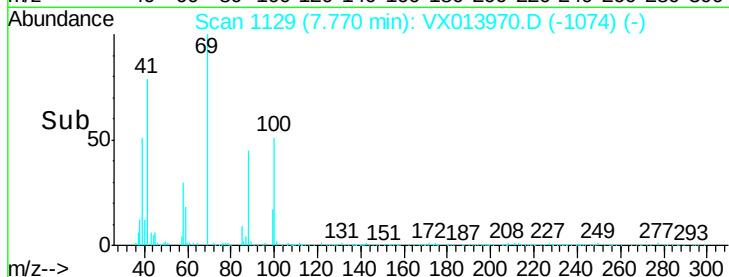
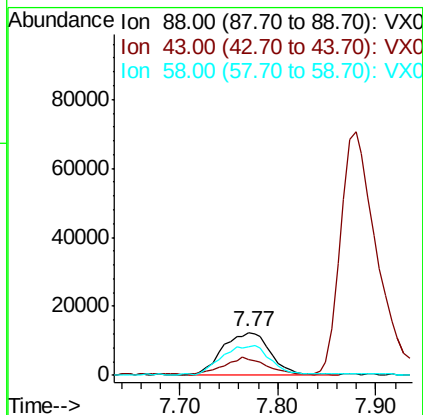
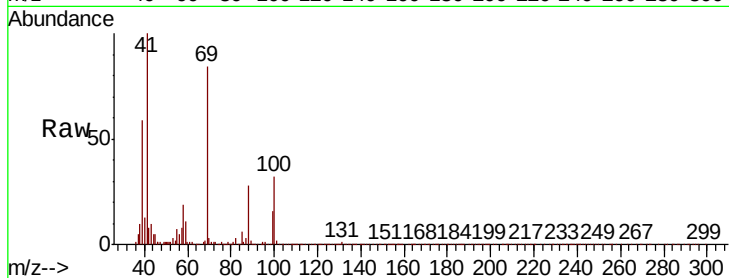
ClientSampleId :

VX1212WBS02

Tot Ion:	88	Resp:	41137
Ion Ratio	Lower	Upper	
88	100		
43	35.7	25.8	38.6
58	70.9	54.6	82.0

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#50

Toluene-d8

Concen: 39.776 ug/l

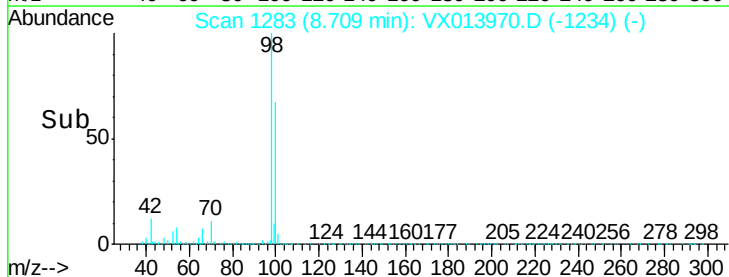
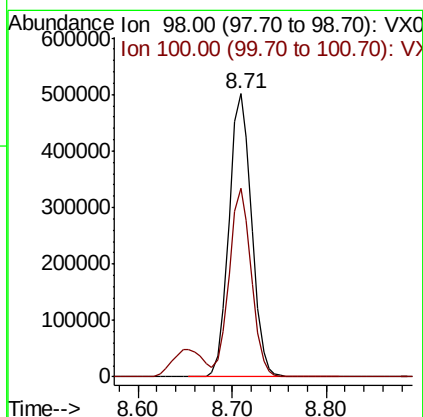
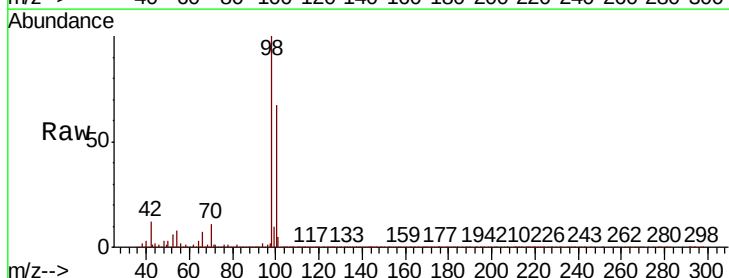
RT: 8.71 min Scan# 1283

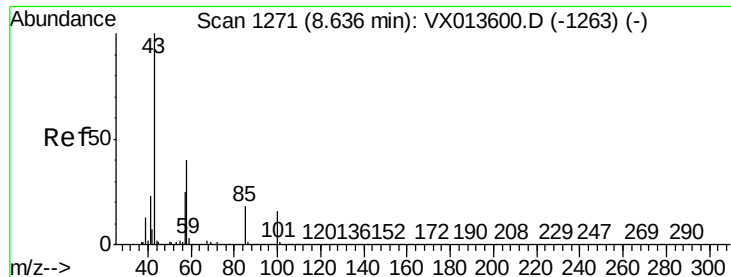
Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	98	Resp:	830102
Ion Ratio	Lower	Upper	
98	100		
100	65.3	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 76.710 ug/l

RT: 8.65 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 43 Resp: 700924

Ion Ratio Lower Upper

43 100

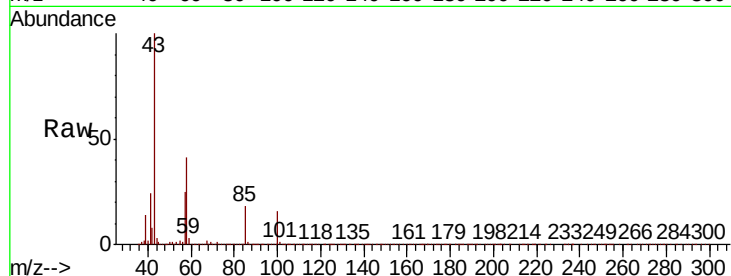
58 40.8 32.1 48.1

Manual Integrations

APPROVED

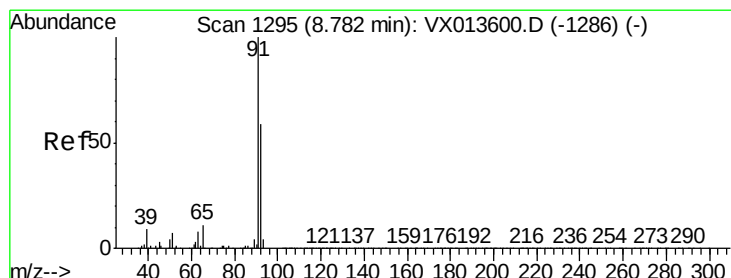
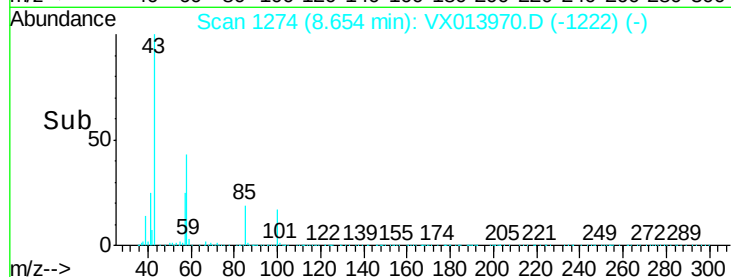
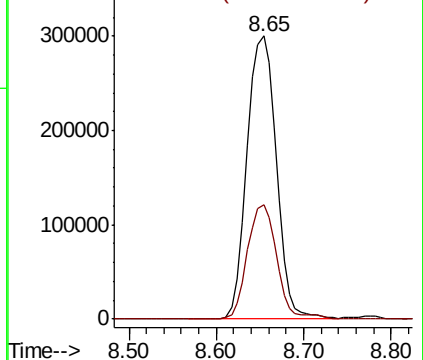
apatel

12/13/2019 11:25:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 16.279 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013970.D

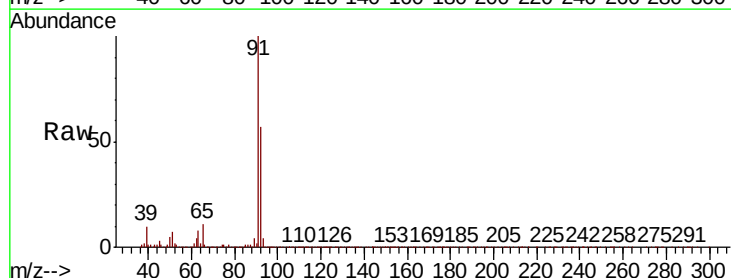
Acq: 12 Dec 2019 12:55

Tgt Ion: 92 Resp: 242251

Ion Ratio Lower Upper

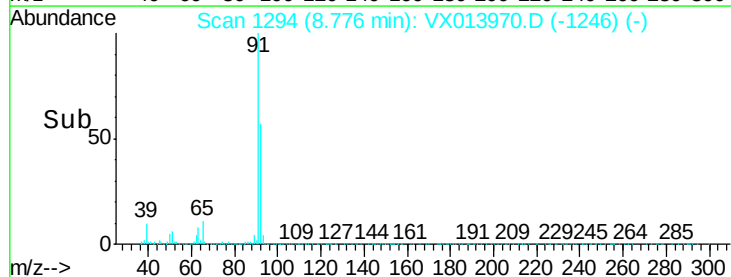
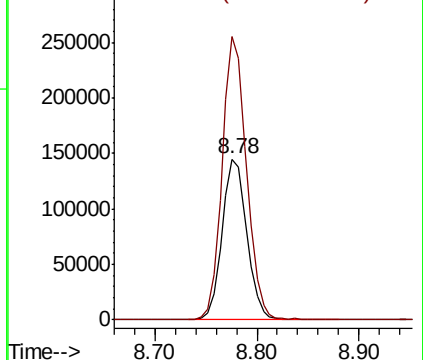
92 100

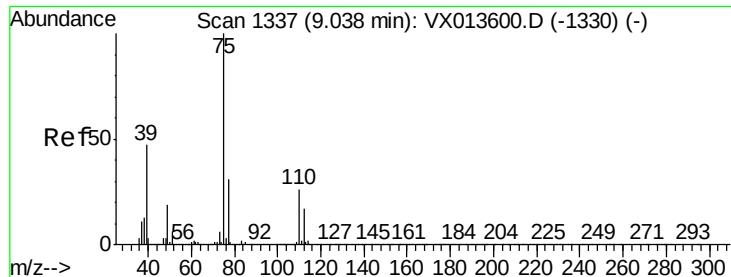
91 173.8 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





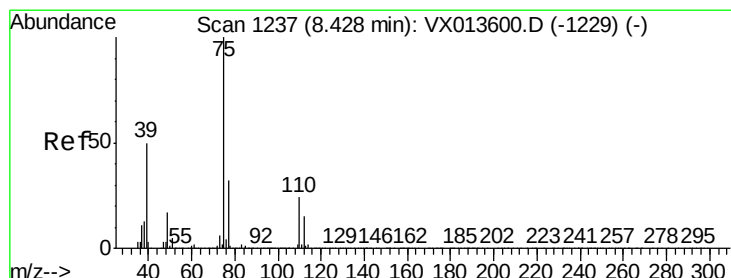
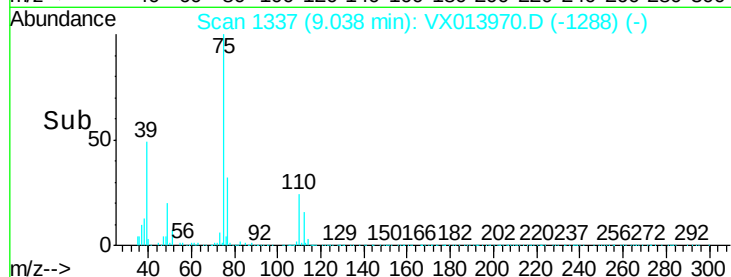
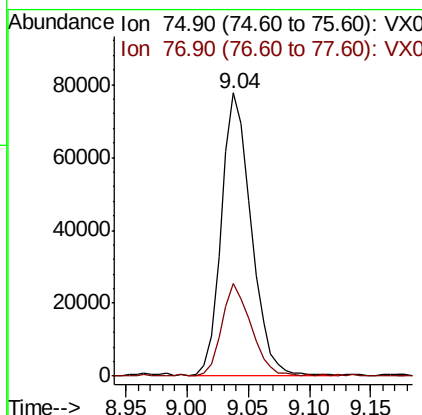
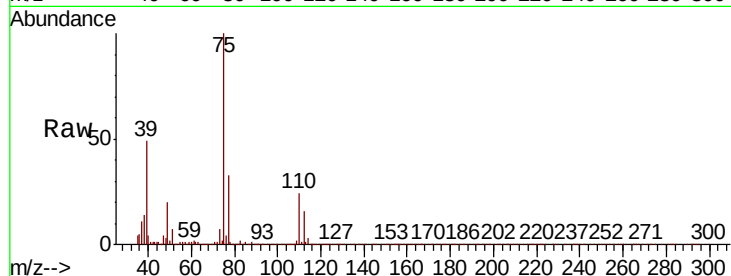
#53
 t-1,3-Dichloropropene
 Concen: 14.855 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.4	36.6

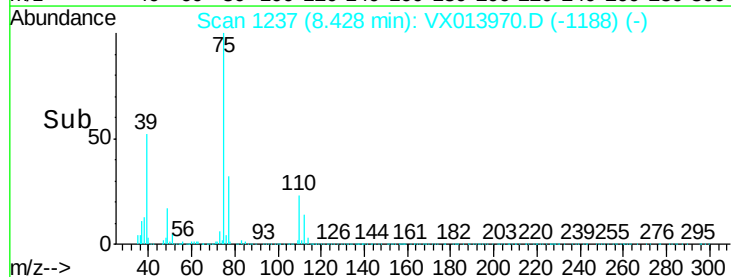
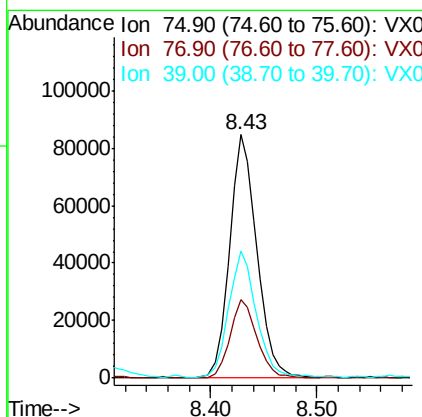
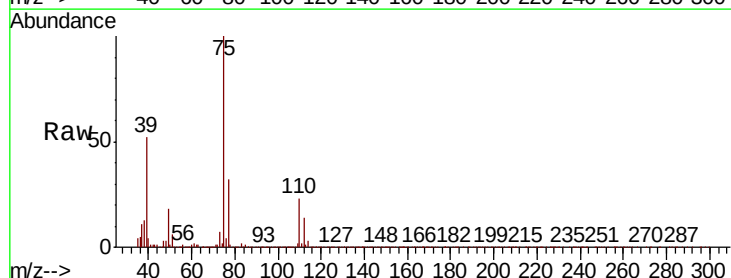
Manual Integrations
 APPROVED

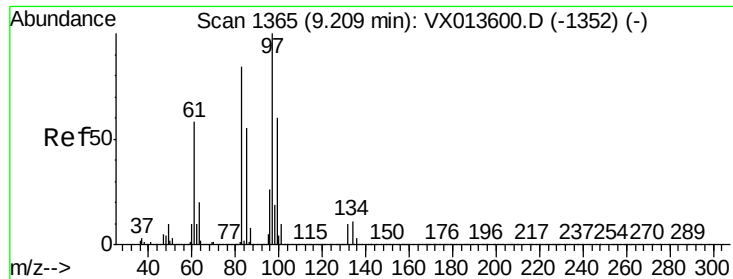
apatel
 12/13/2019 11:25:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 15.823 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	52.0	39.9	59.9





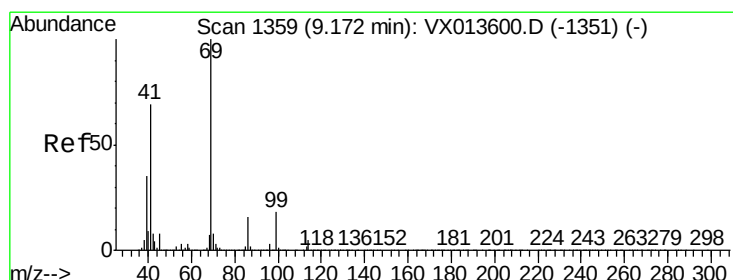
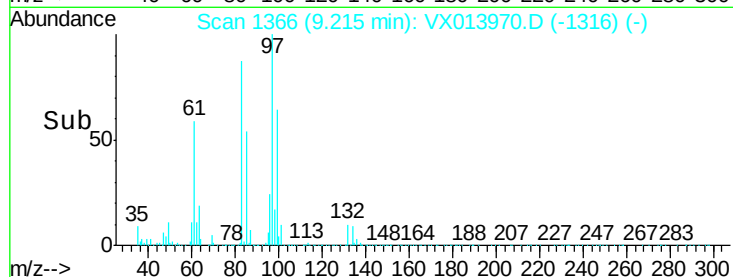
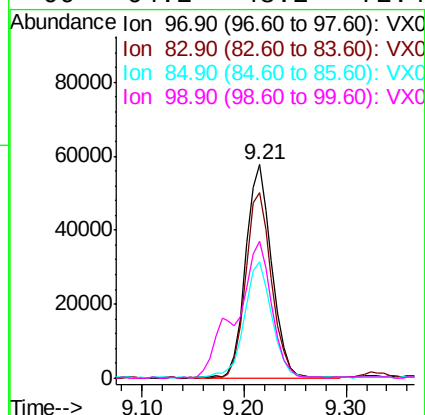
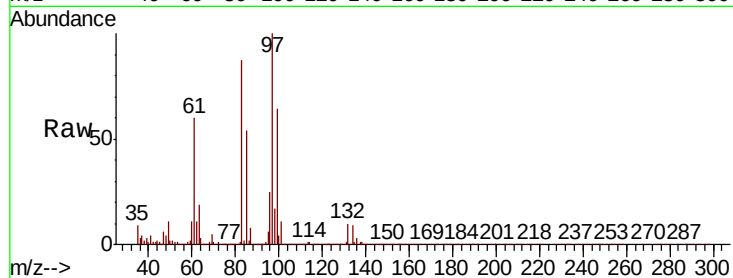
#55
 1,1,2-Trichloroethane
 Concen: 16.972 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101780		
83	86.1	67.3	100.9		
85	54.2	43.6	65.4		
99	64.2	48.2	72.4		

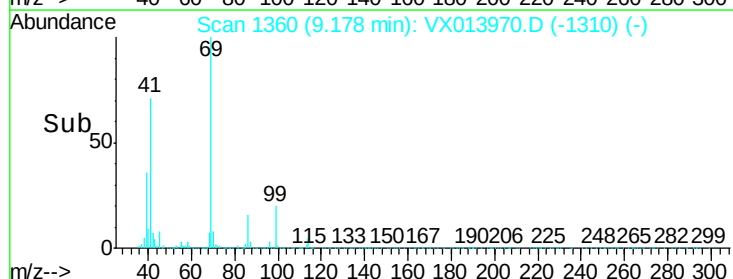
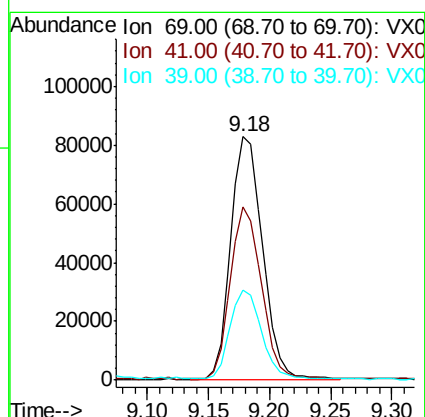
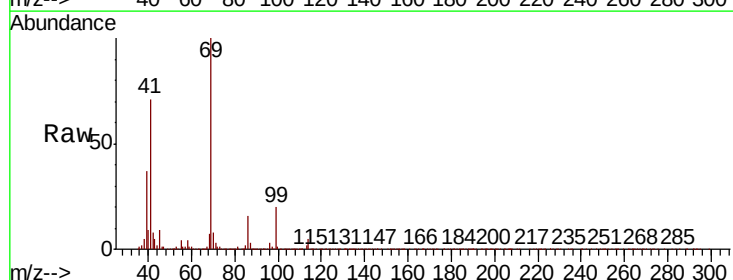
Manual Integrations
 APPROVED

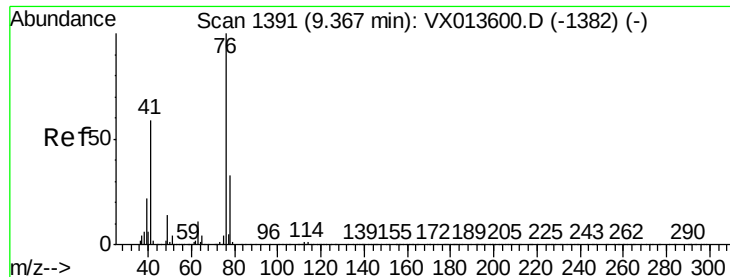
apatel
 12/13/2019 11:25:15 AM



#56
 Ethyl methacrylate
 Concen: 15.456 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		149016		
41	69.3	55.0	82.4		
39	36.1	28.7	43.1		





#57

1,3-Dichloropropane

Concen: 16.676 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 76 Resp: 172371

Ion Ratio Lower Upper

76 100

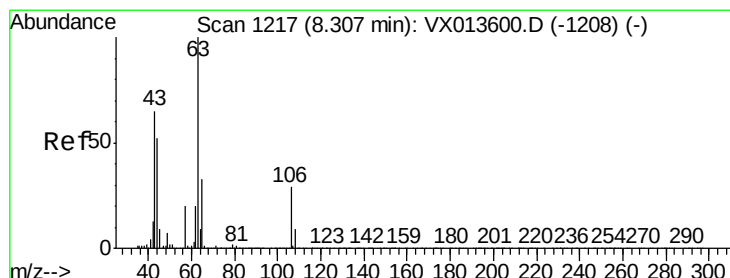
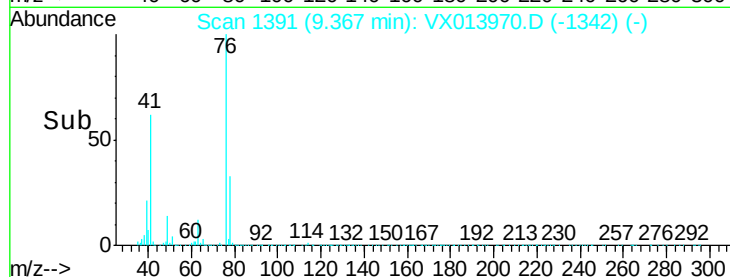
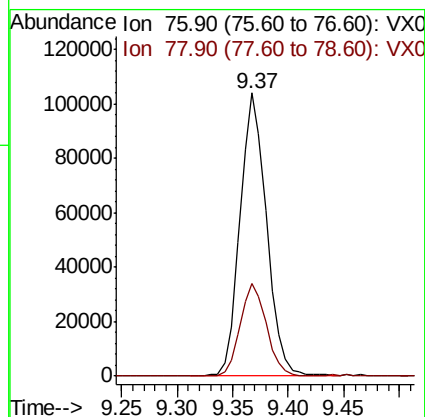
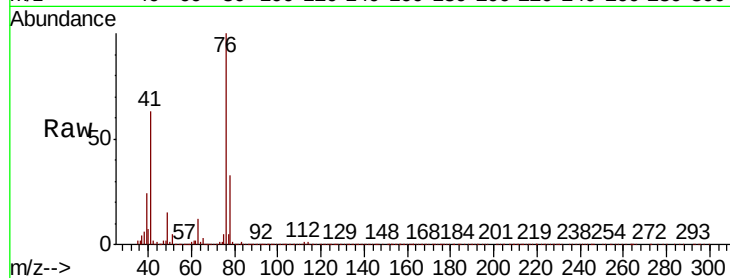
78 31.9 26.0 39.0

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.121 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013970.D

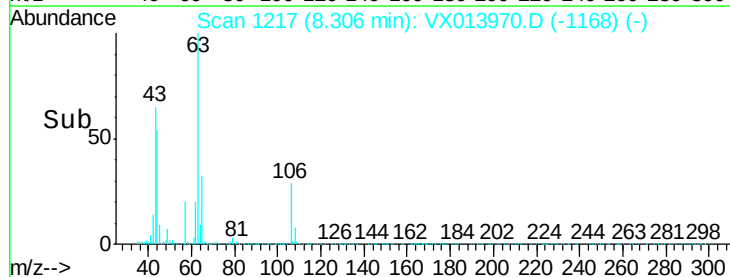
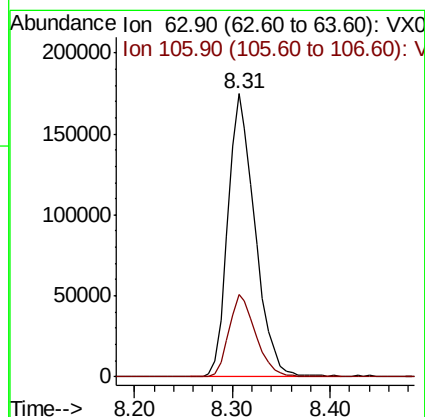
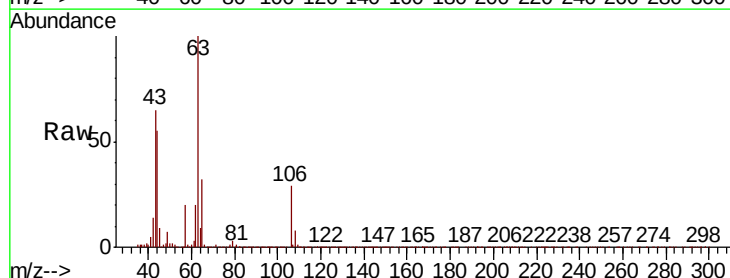
Acq: 12 Dec 2019 12:55

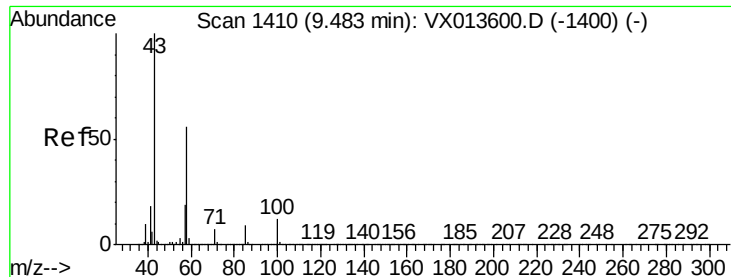
Tgt Ion: 63 Resp: 333114

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.0





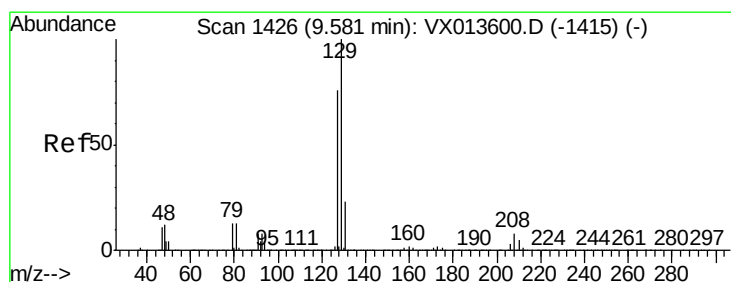
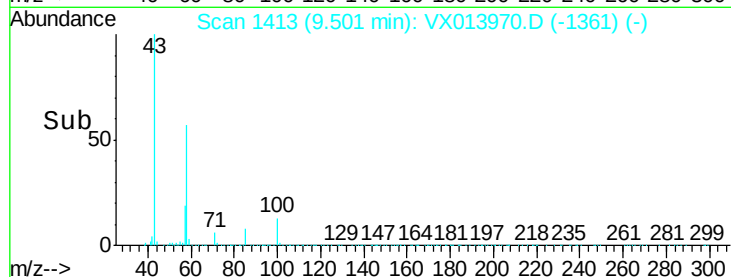
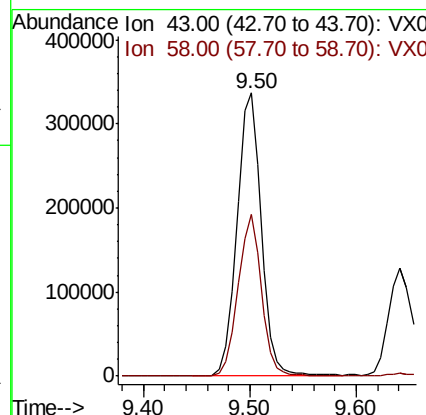
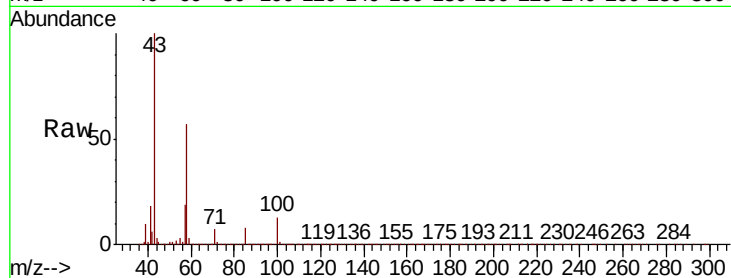
#59
2-Hexanone
Concen: 75.690 ug/l
RT: 9.50 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion: 43 Resp: 539393
Ion Ratio Lower Upper
43 100
58 55.0 28.1 84.4

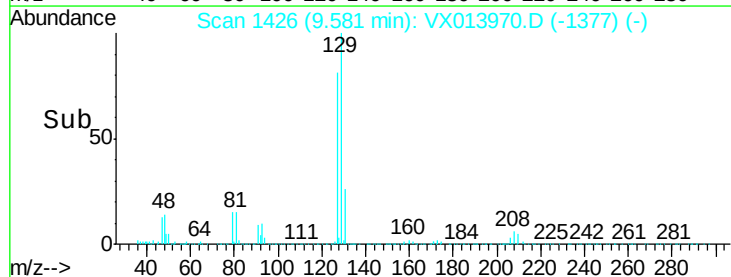
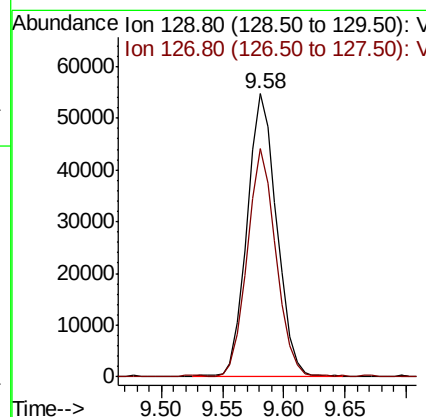
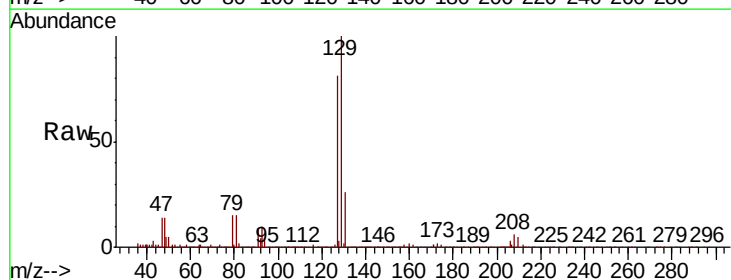
Manual Integrations
APPROVED

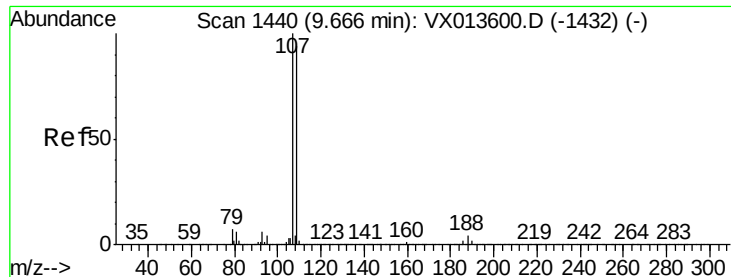
apatel
12/13/2019 11:25:15 AM



#60
Dibromochloromethane
Concen: 14.845 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 129 Resp: 92387
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 15.755 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 107 Resp: 100910

Ion Ratio Lower Upper

107 100

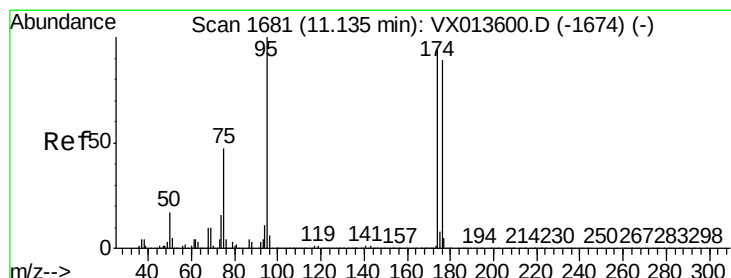
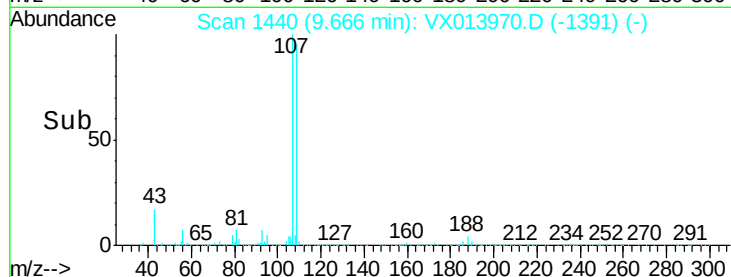
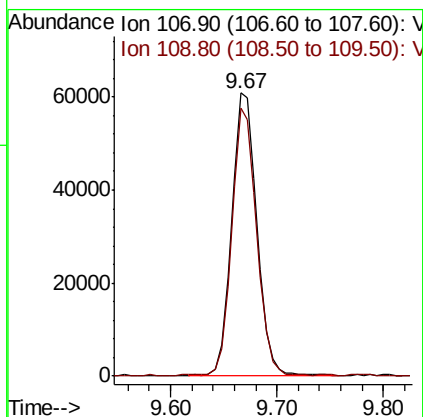
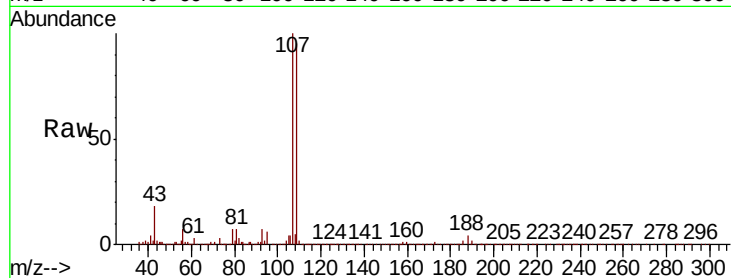
109 92.3 76.1 114.1

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#62

4-Bromofluorobenzene

Concen: 39.847 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

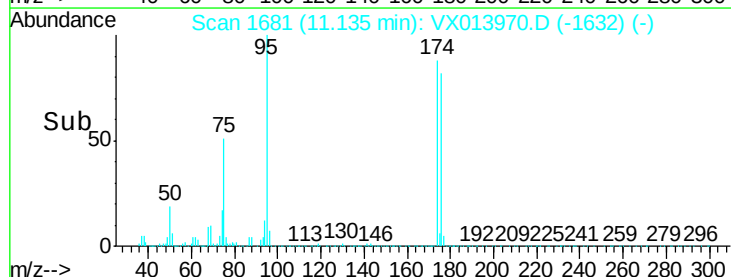
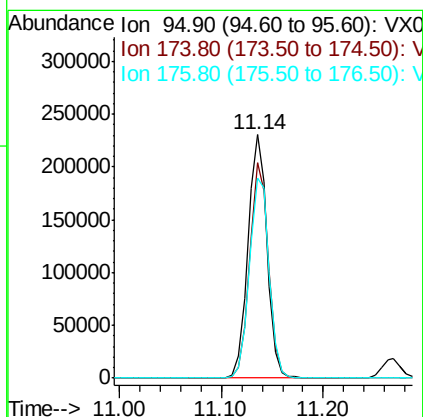
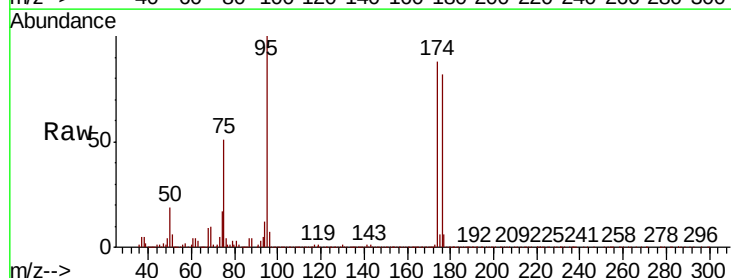
Tgt Ion: 95 Resp: 299869

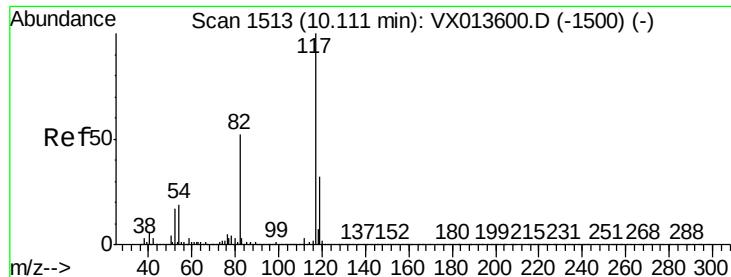
Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.0

176 85.1 0.0 173.6





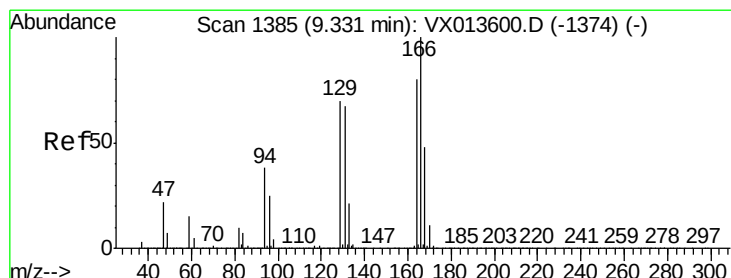
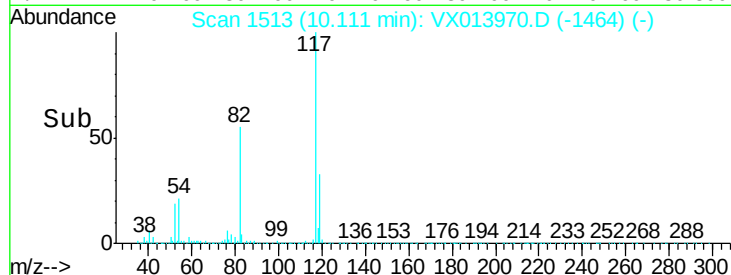
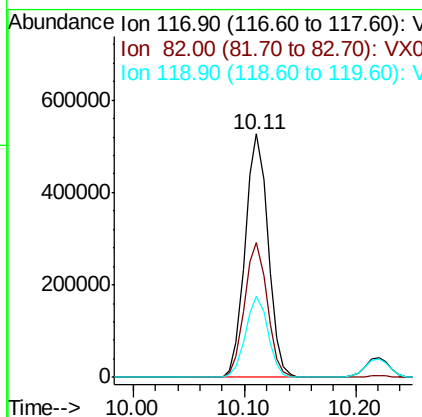
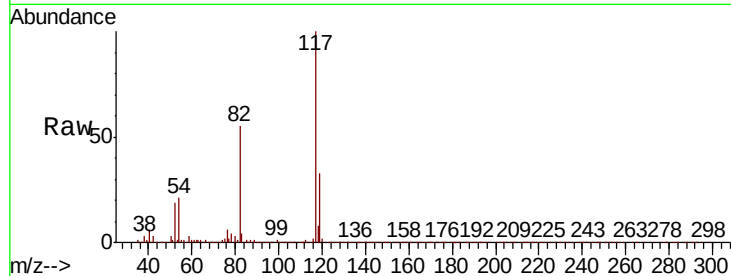
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	755092		
82	55.2	41.8	62.8	
119	33.2	25.8	38.8	

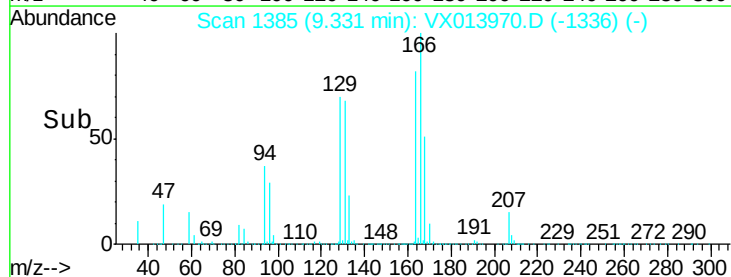
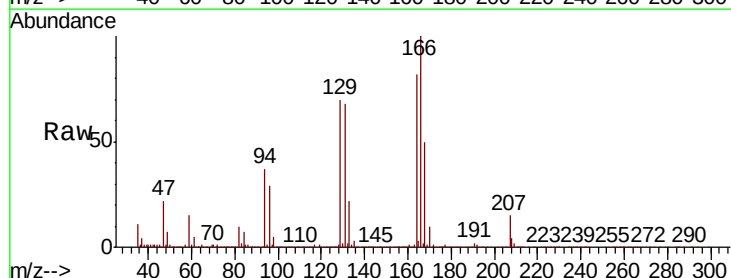
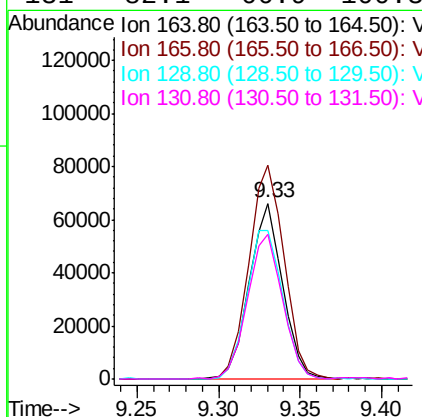
Manual Integrations
APPROVED

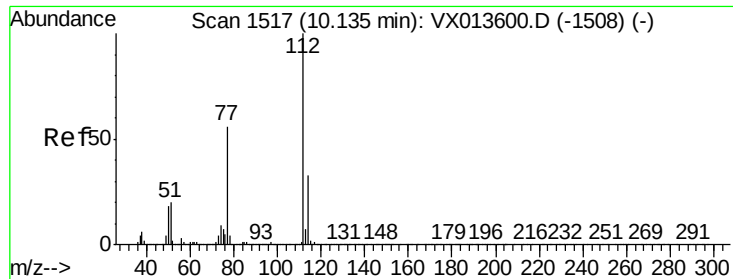
apatel
12/13/2019 11:25:15 AM



#64
Tetrachloroethene
Concen: 16.737 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94247		
166	121.4	99.7	149.5	
129	84.6	70.1	105.1	
131	82.1	66.9	100.3	





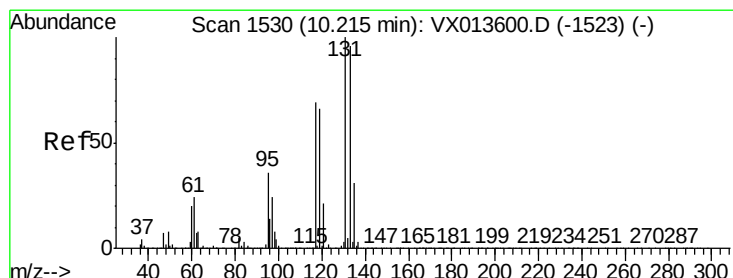
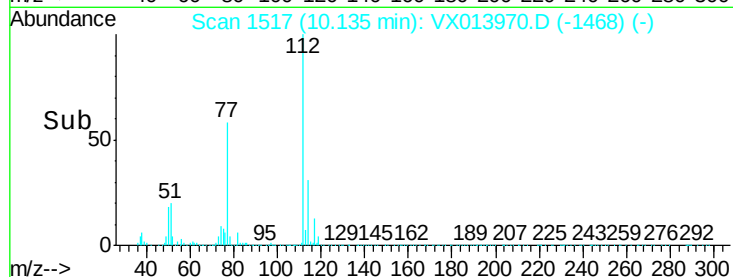
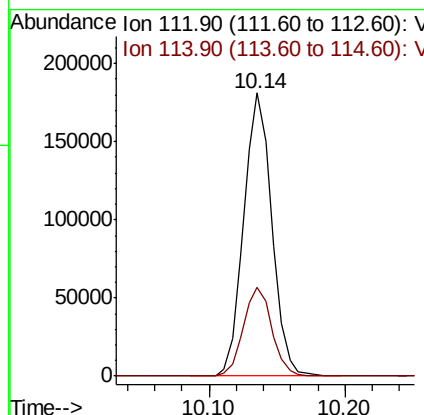
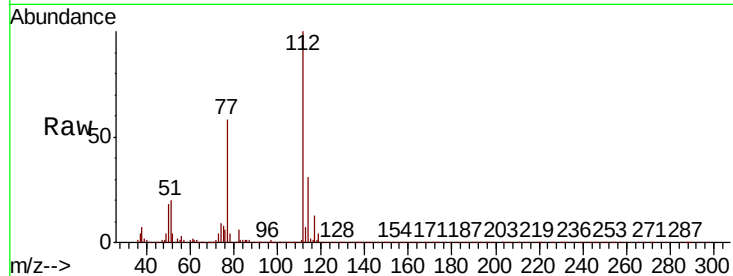
#65
Chlorobenzene
Concen: 16.674 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.1	39.1

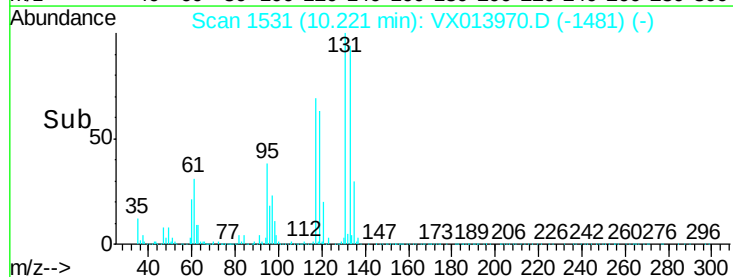
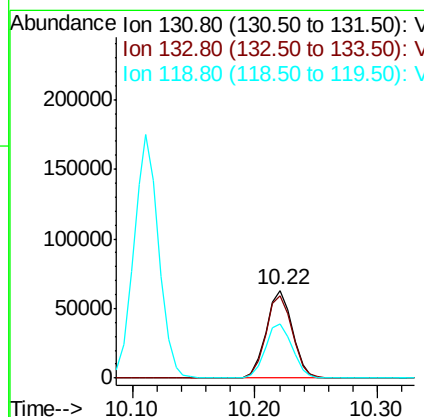
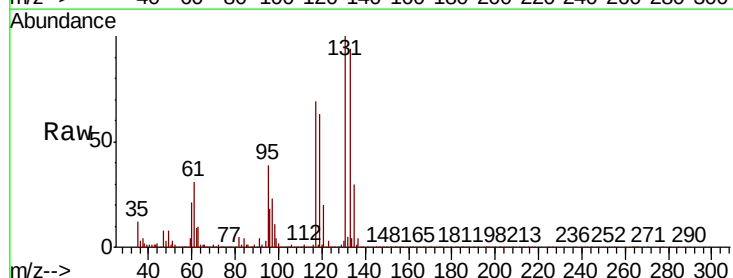
Manual Integrations
APPROVED

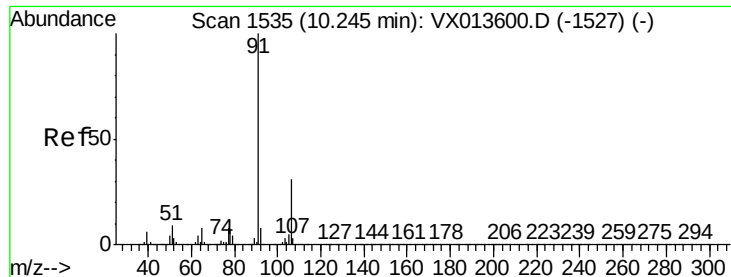
apatel
12/13/2019 11:25:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 16.645 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	64.1	32.9	98.6





#67

Ethyl Benzene

Concen: 16.835 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 91 Resp: 453518

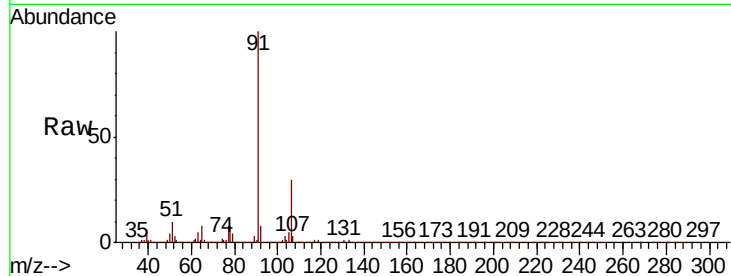
Ion Ratio Lower Upper

91 100

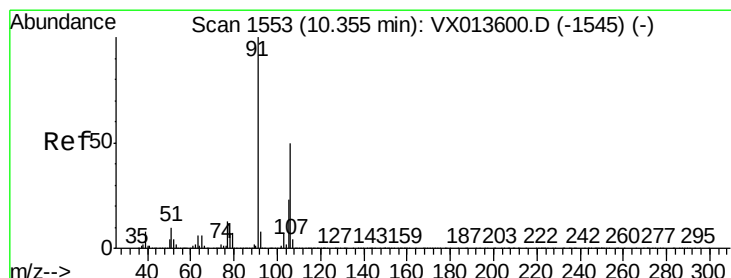
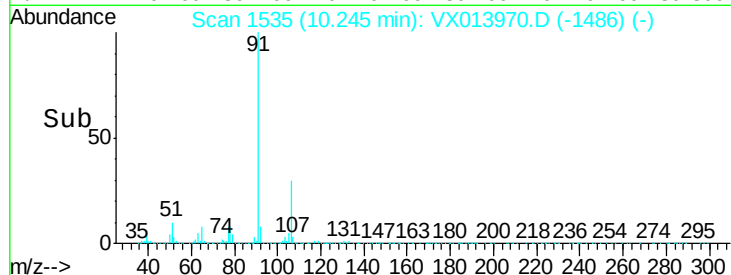
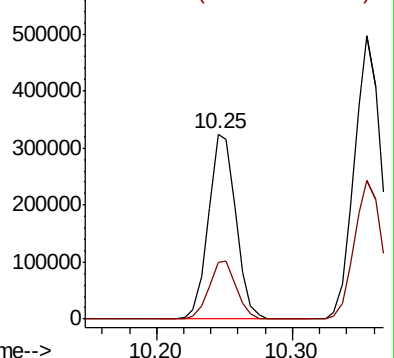
106 30.4 24.5 36.7

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



Abundance Ion 91.00 (90.70 to 91.70): VX013600.D (-1527) (-)



#68

m/p-Xylenes

Concen: 33.262 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013970.D

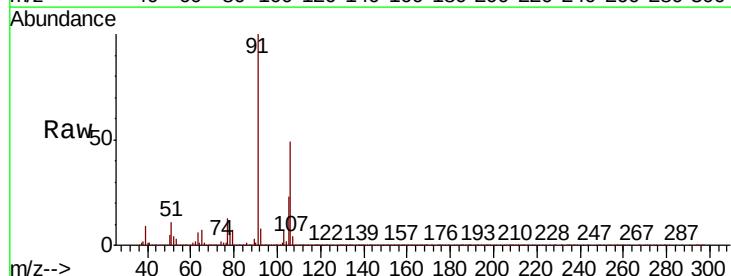
Acq: 12 Dec 2019 12:55

Tgt Ion: 106 Resp: 343066

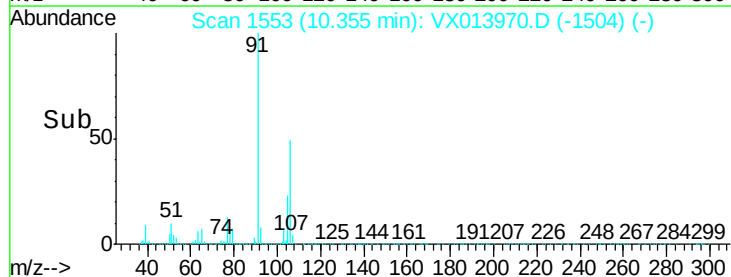
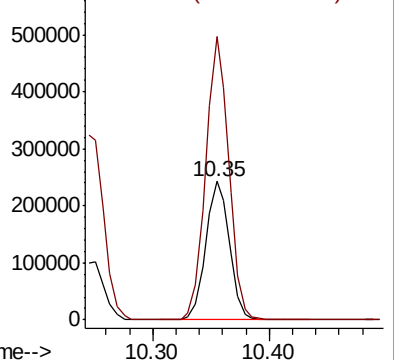
Ion Ratio Lower Upper

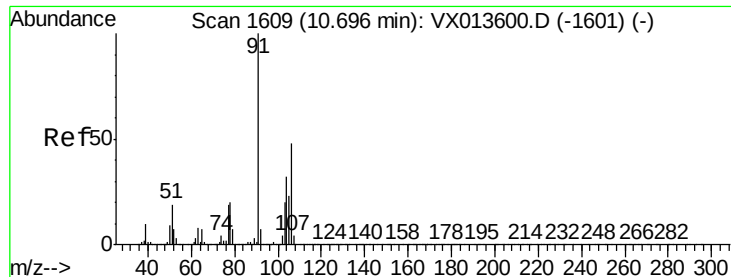
106 100

91 199.6 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): VX013600.D (-1545) (-)





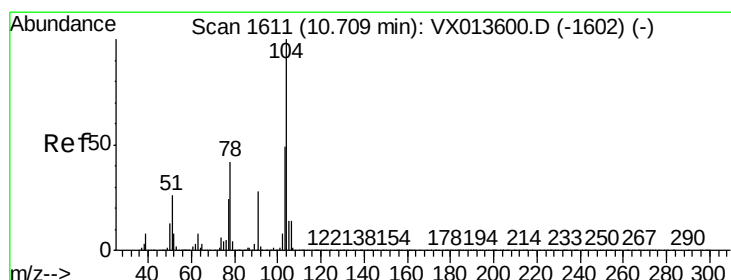
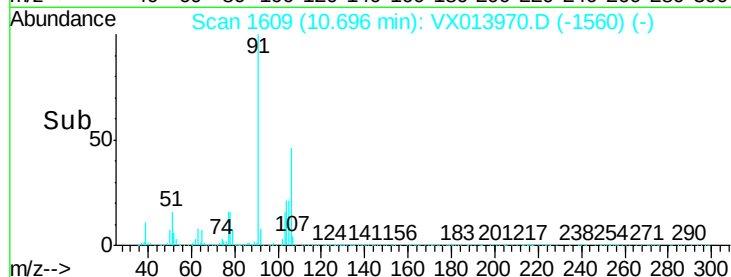
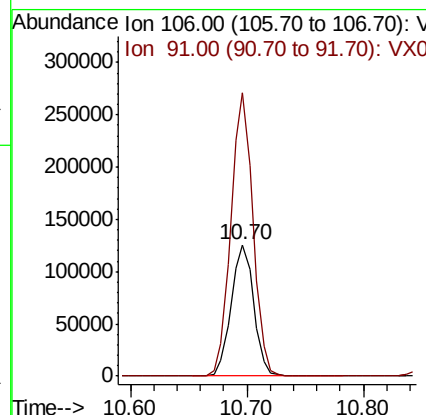
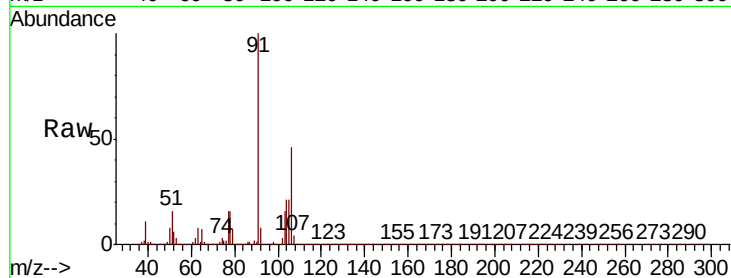
#69
o-Xylene
Concen: 16.809 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	104.1	312.2

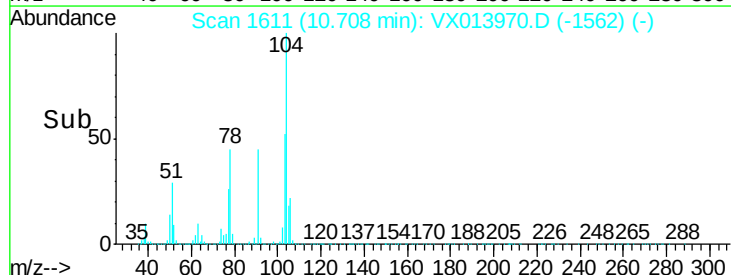
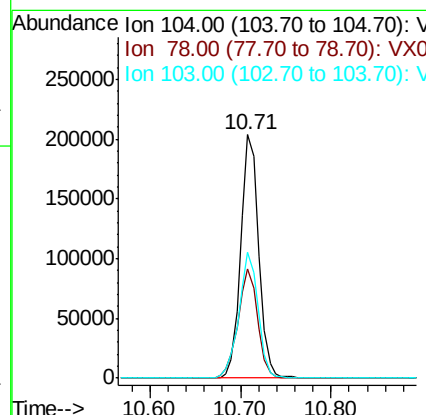
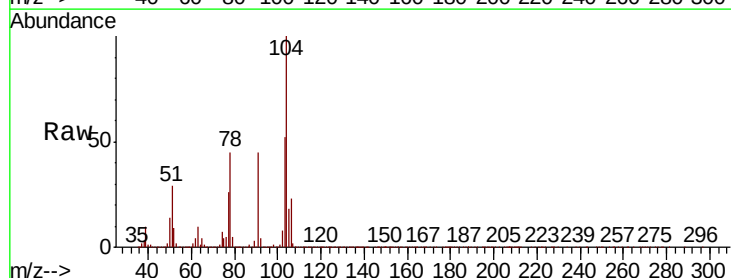
Manual Integrations
APPROVED

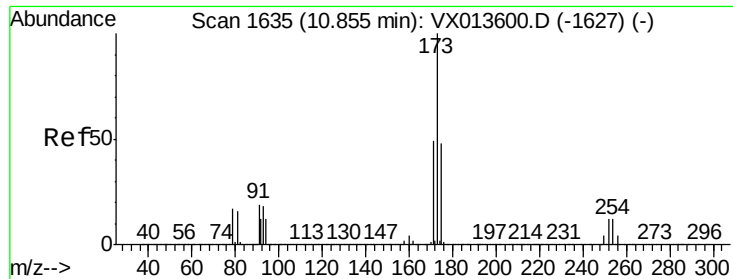
apatel
12/13/2019 11:25:15 AM



#70
Styrene
Concen: 16.512 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.5	57.7
103	55.3	43.7	65.5





#71

Bromoform

Concen: 13.971 ug/l

RT: 10.86 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

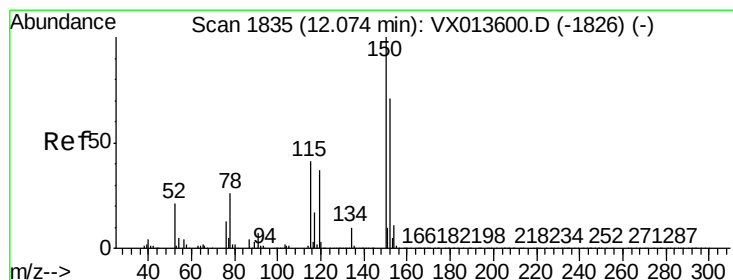
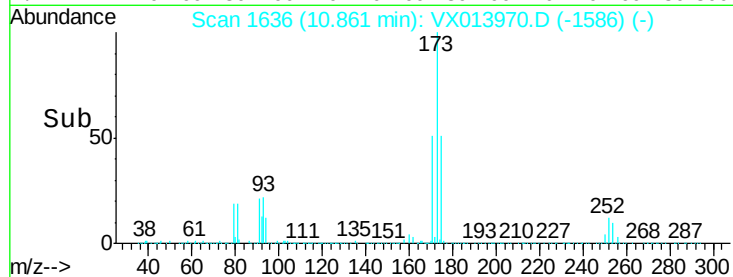
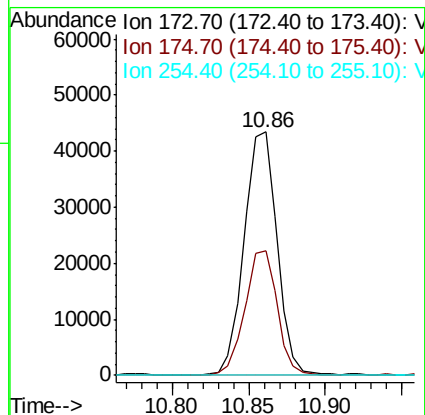
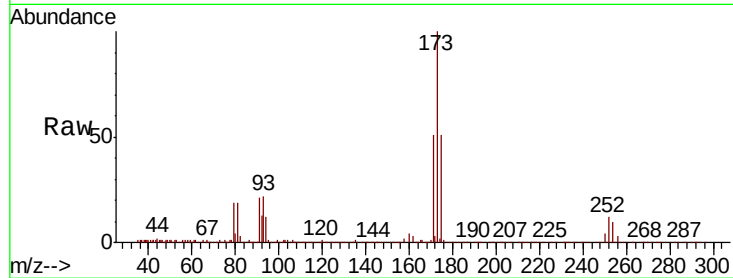
ClientSampleId :

VX1212WBS02

Tot Ion:	173	Resp:	65078
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.3	72.8
254	0.4	0.2	0.4#

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

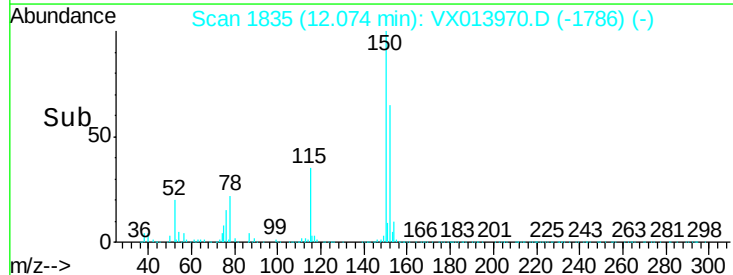
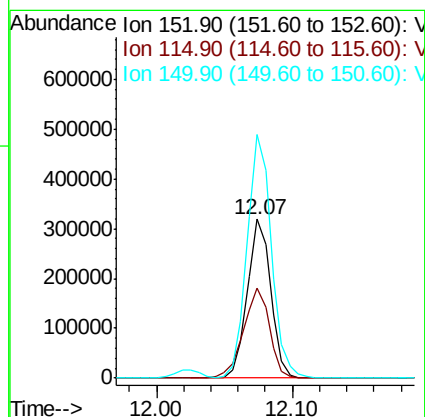
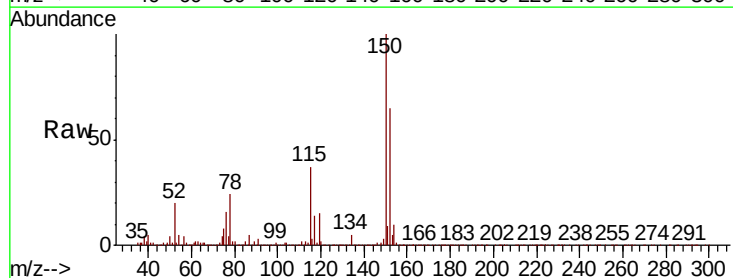
RT: 12.07 min Scan# 1835

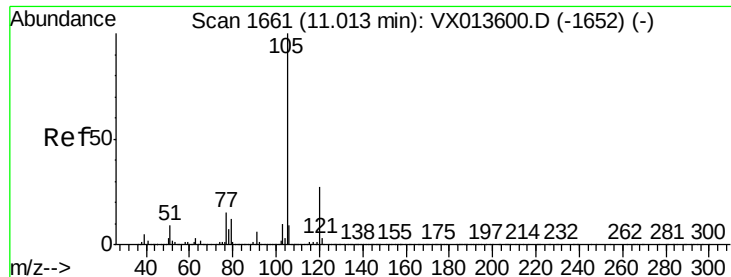
Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	152	Resp:	385287
Ion Ratio	Lower	Upper	
152	100		
115	62.2	38.4	115.1
150	159.2	0.0	346.8





#73

Isopropylbenzene

Concen: 16.739 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 105 Resp: 452384

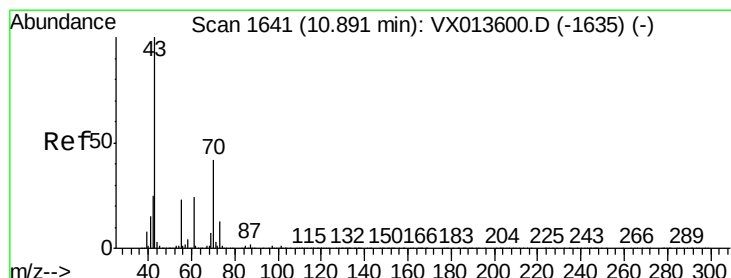
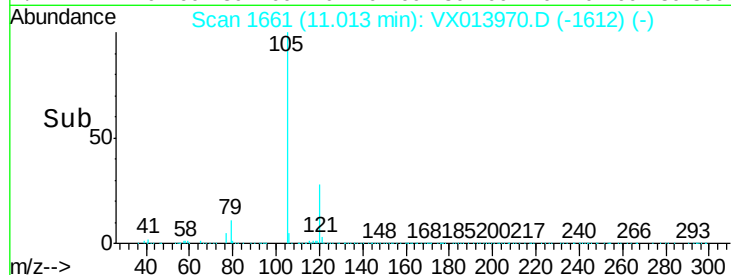
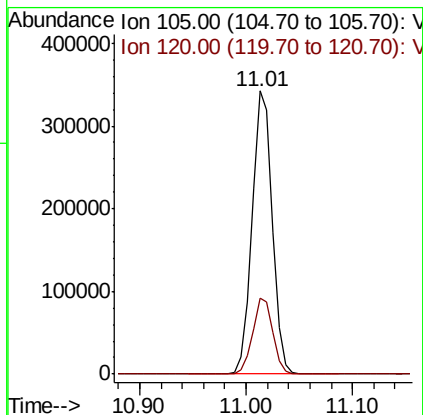
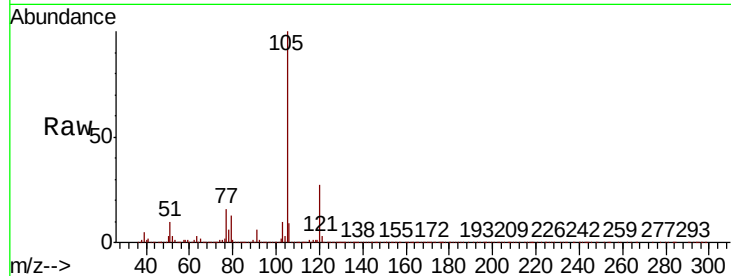
Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#74

N-ethyl acetate

Concen: 15.682 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion: 43 Resp: 194154

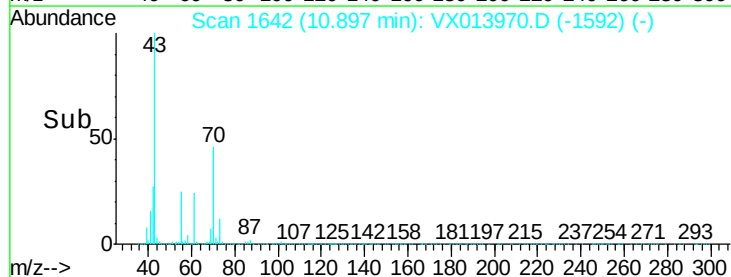
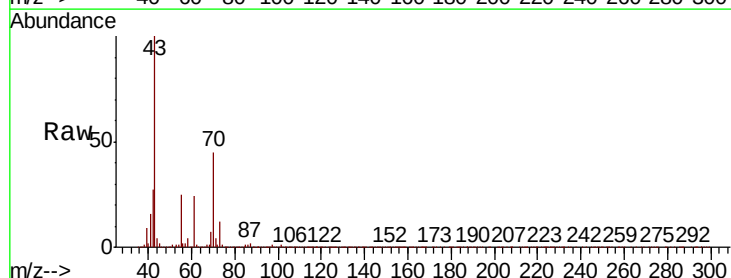
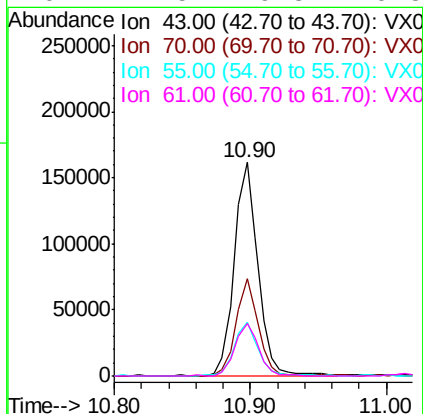
Ion Ratio Lower Upper

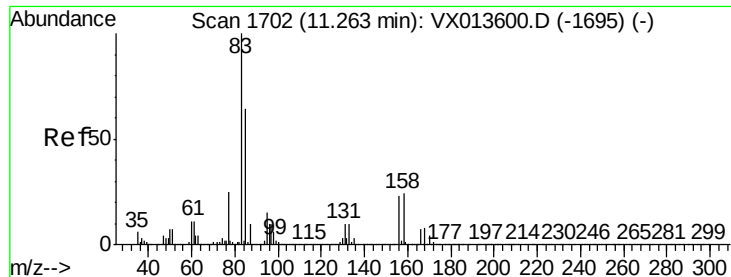
43 100

70 43.3 34.3 51.5

55 24.5 18.5 27.7

61 24.5 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 16.913 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

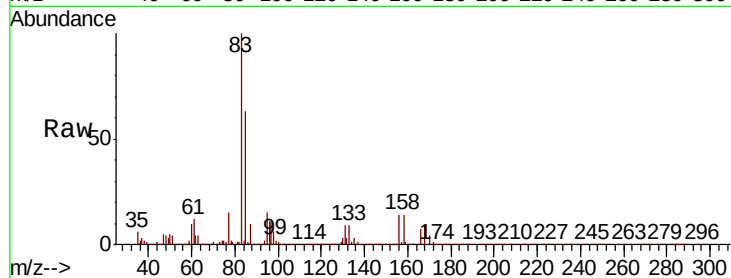
ClientSampleId :

VX1212WBS02

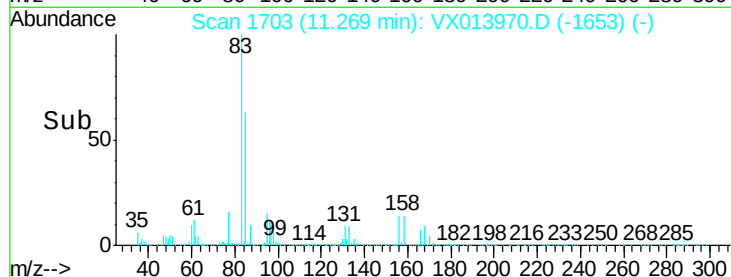
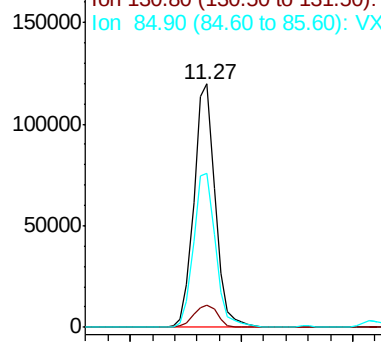
Tot Ion:	83	Resp:	158517
Ion Ratio		Lower	Upper
83	100		
131	10.3	5.1	15.3
85	65.6	31.8	95.3

Manual Integrations
APPROVED

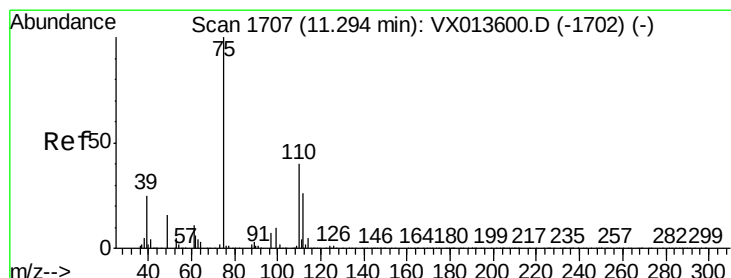
apatel
12/13/2019 11:25:15 AM



Abundance Ion 82.90 (82.60 to 83.60): VX013970.D (-1653) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 14.981 ug/l m

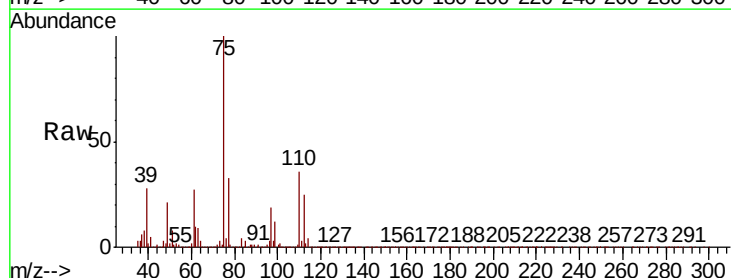
RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

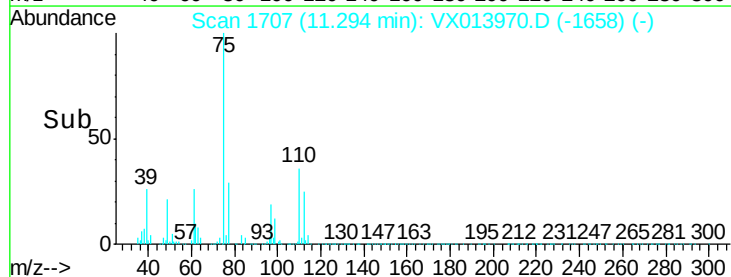
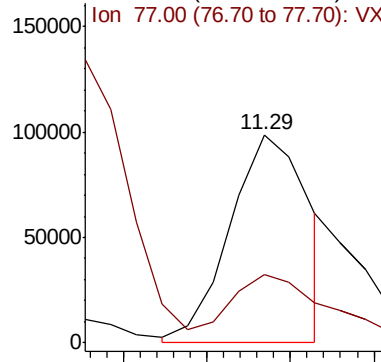
Lab File: VX013970.D

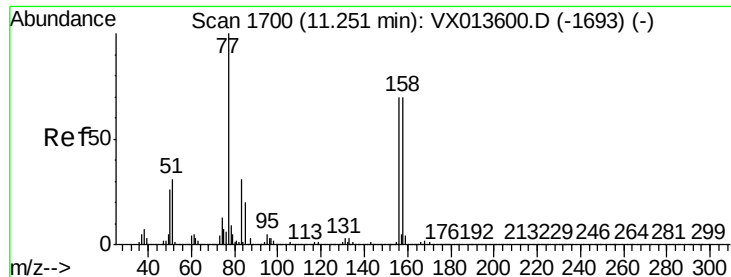
Acq: 12 Dec 2019 12:55

Tgt Ion:	75	Resp:	129822
Ion Ratio		Lower	Upper
75	100		
77	41.8	19.1	57.5



Abundance Ion 74.90 (74.60 to 75.60): VX013970.D (-1658) (-)





#77

Bromobenzene

Concen: 15.905 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

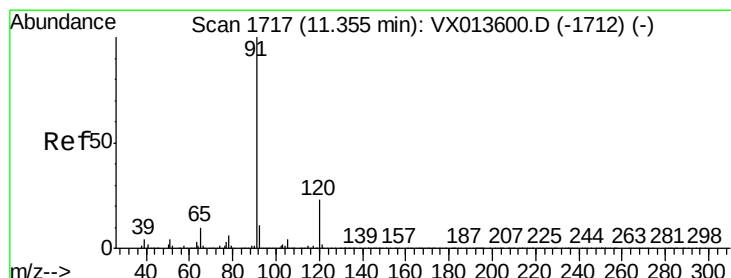
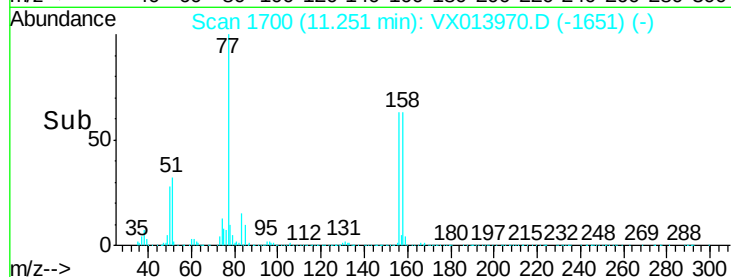
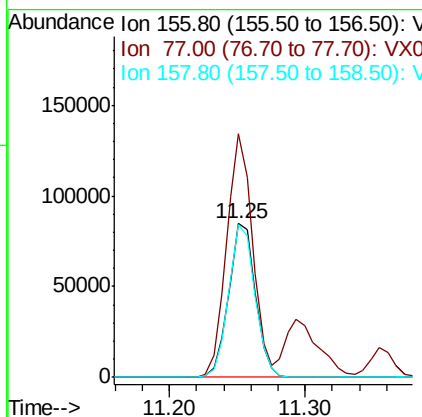
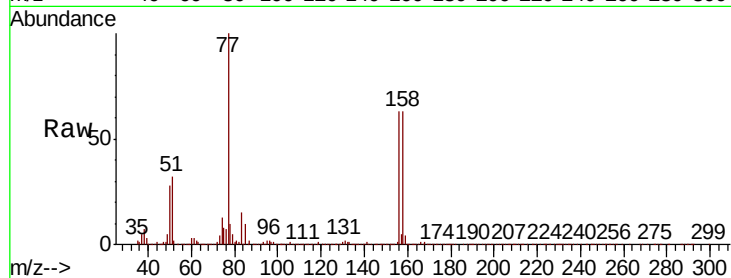
ClientSampleId :

VX1212WBS02

Tot Ion:	156	Resp:	116127
Ion Ratio	Lower	Upper	
156	100		
77	153.0	74.4	223.1
158	97.8	48.9	146.6

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#78

n-propylbenzene

Concen: 16.152 ug/l

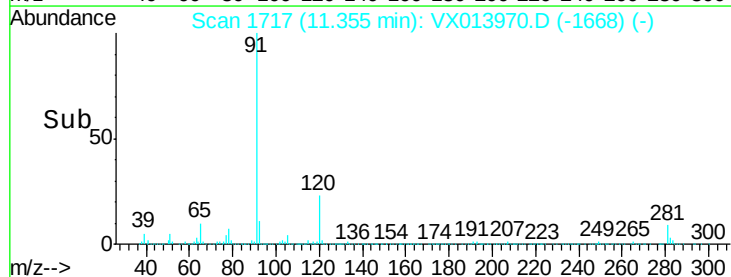
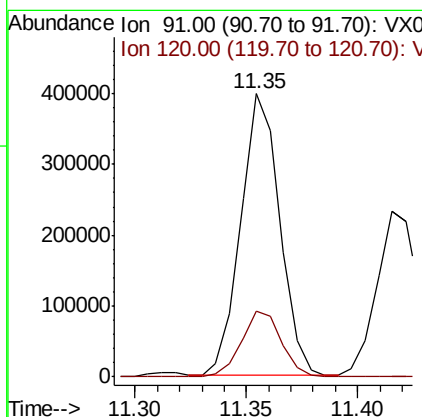
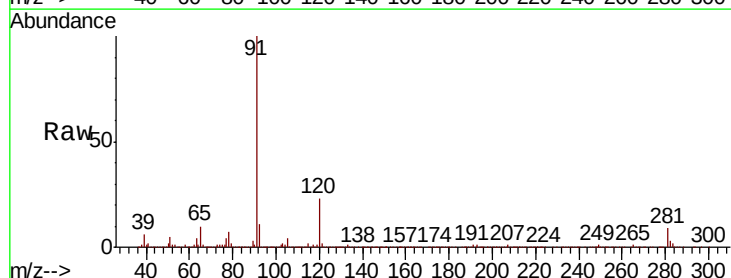
RT: 11.35 min Scan# 1717

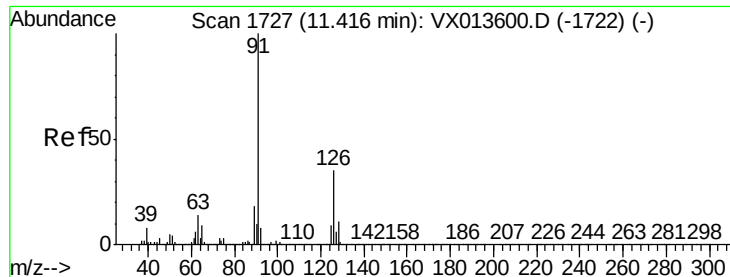
Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	91	Resp:	487296
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 16.756 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 91 Resp: 303257

Ion Ratio Lower Upper

91 100

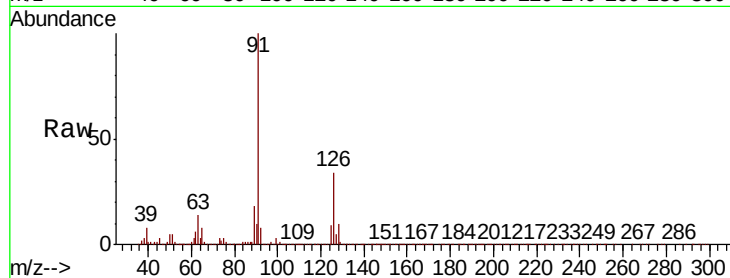
126 35.0 17.5 52.5

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



Abundance Ion 91.00 (90.70 to 91.70): VX013970.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX013970.D (-1678) (-)

400000

300000

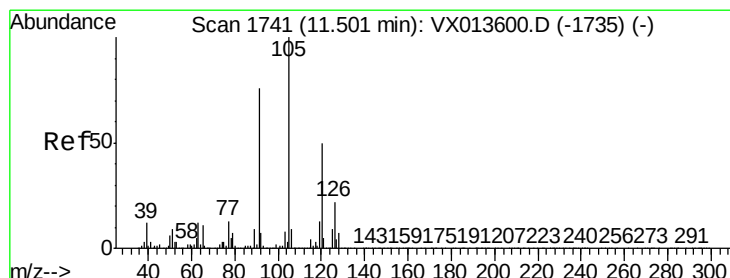
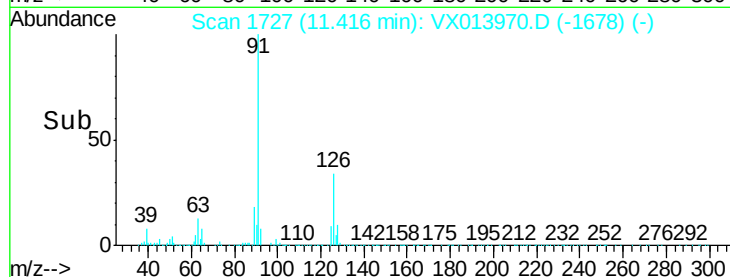
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.829 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013970.D

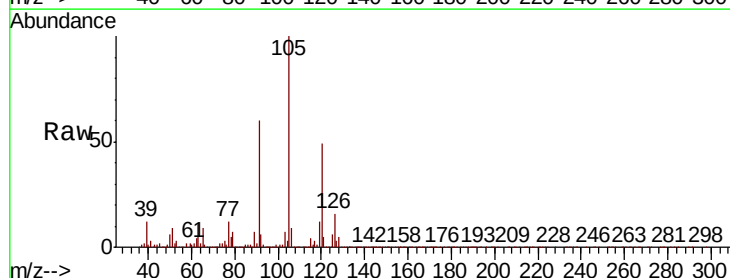
Acq: 12 Dec 2019 12:55

Tgt Ion: 105 Resp: 372764

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013970.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX013970.D (-1692) (-)

300000

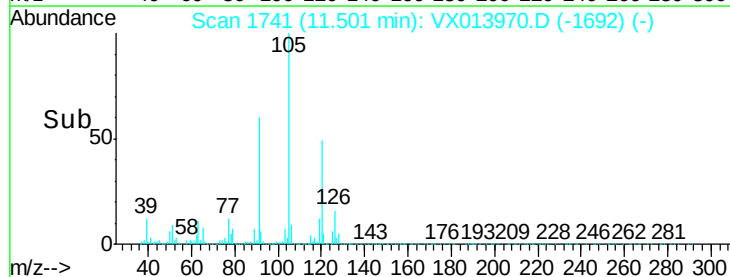
200000

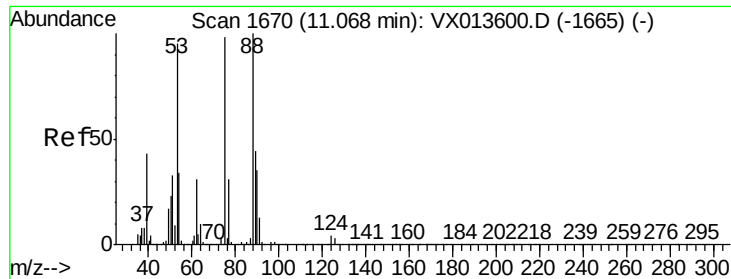
100000

0

11.45 11.50 11.55

Time-->





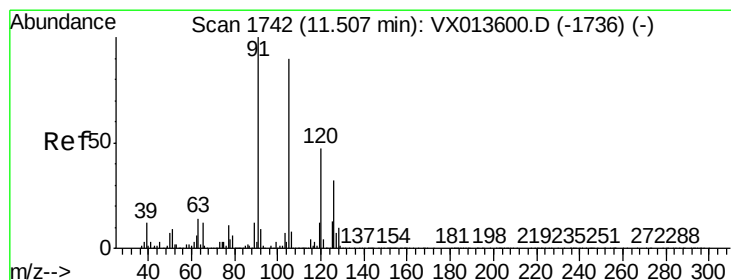
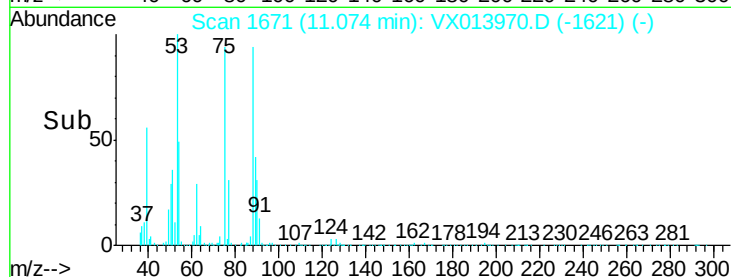
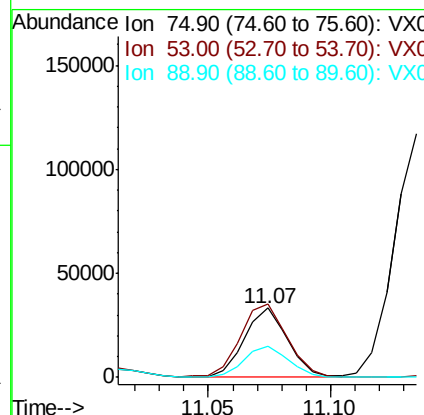
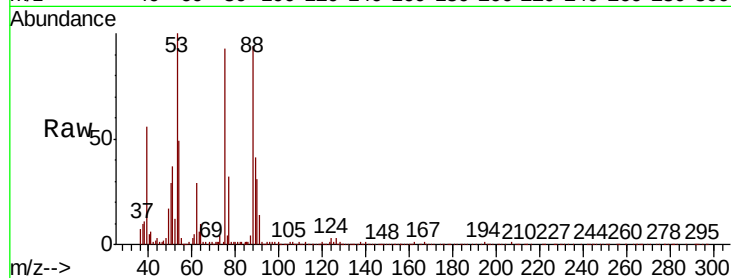
#81
trans-1,4-Dichloro-2-butene
Concen: 12.771 ug/l
RT: 11.07 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.5	78.2	117.2
89	47.9	35.4	53.2

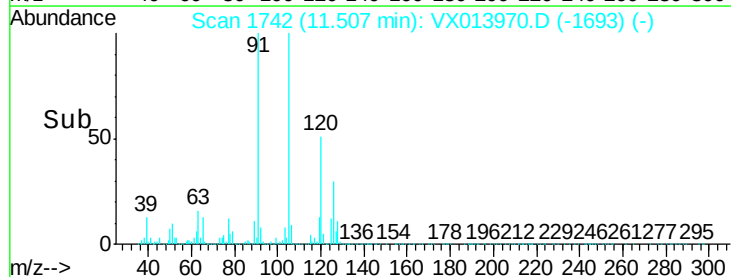
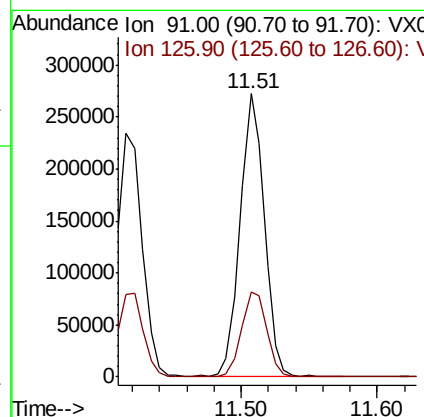
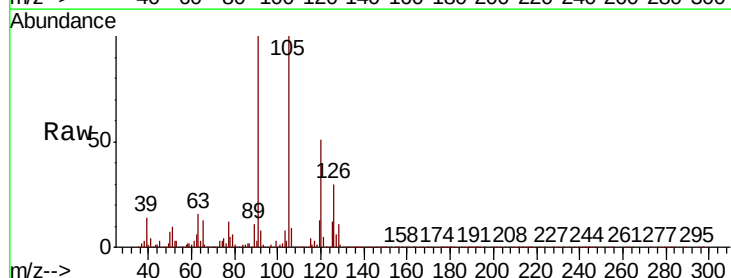
Manual Integrations
APPROVED

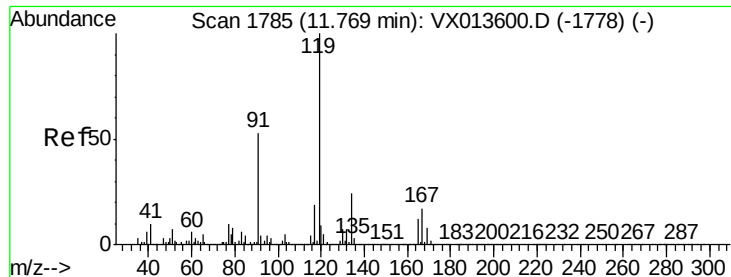
apatel
12/13/2019 11:25:15 AM



#82
4-Chlorotoluene
Concen: 16.071 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





#83

tert-Butylbenzene

Concen: 16.790 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

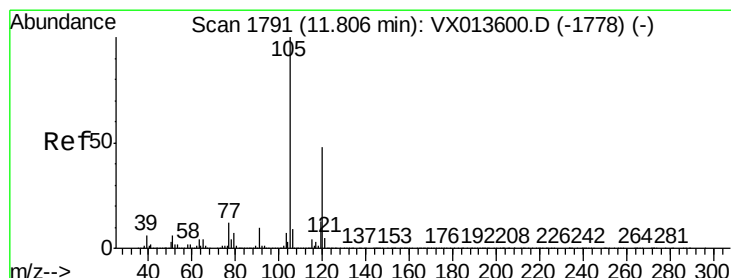
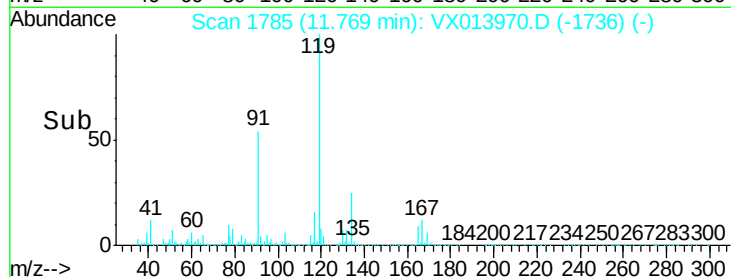
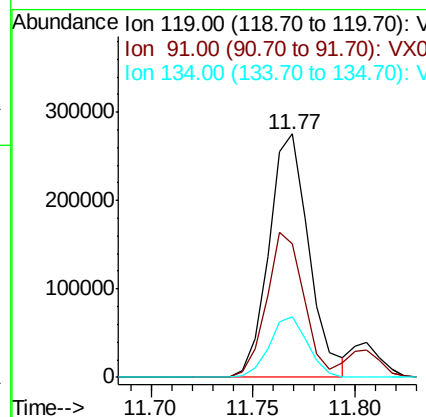
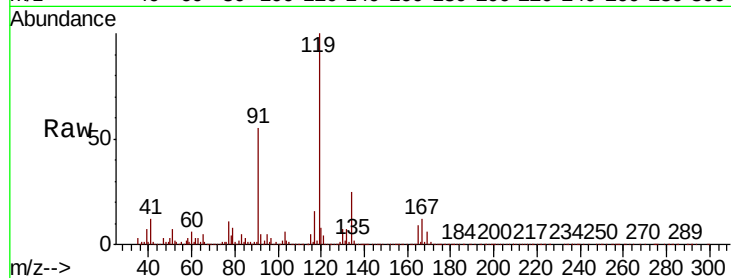
ClientSampleId :

VX1212WBS02

Tot Ion:	119	Resp:	377975
Ion Ratio	Lower	Upper	
119	100		
91	55.0	27.2	81.6
134	23.8	11.7	35.1

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#84

1,2,4-Trimethylbenzene

Concen: 16.787 ug/l

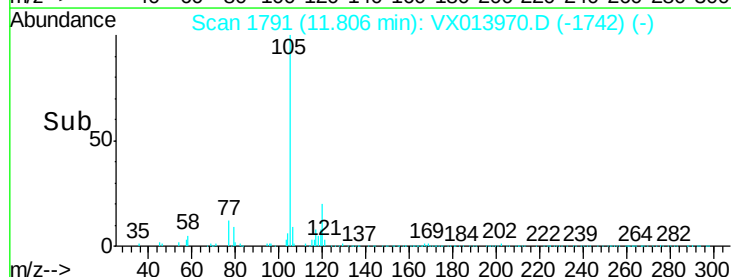
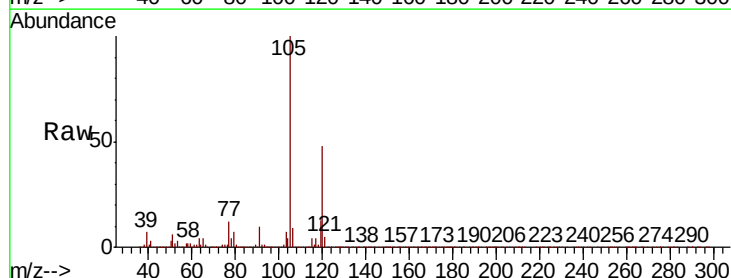
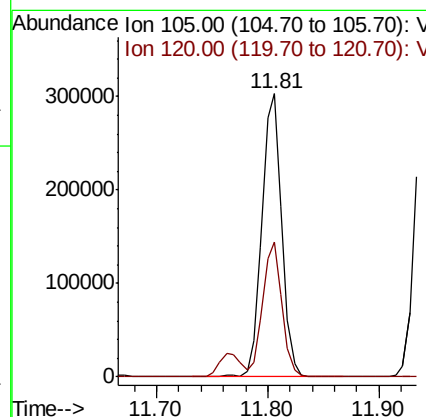
RT: 11.81 min Scan# 1791

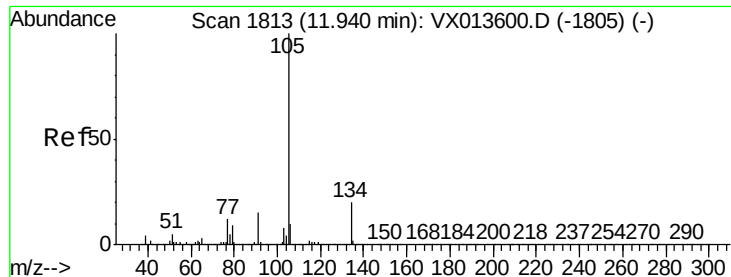
Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	105	Resp:	377385
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.1	69.3





#85

sec-Butylbenzene

Concen: 16.998 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:105 Resp: 437068

Ion Ratio Lower Upper

105 100

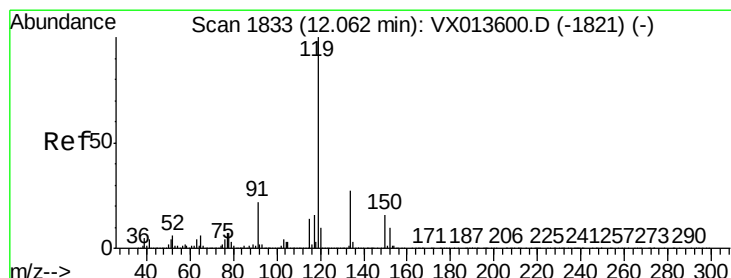
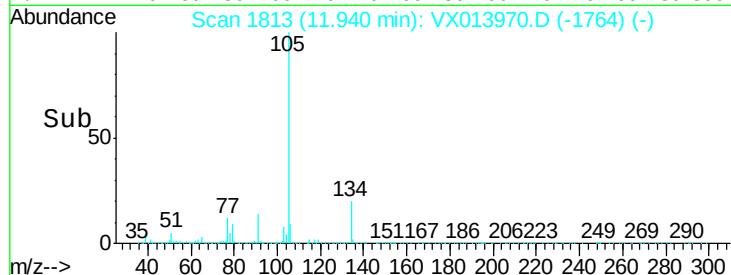
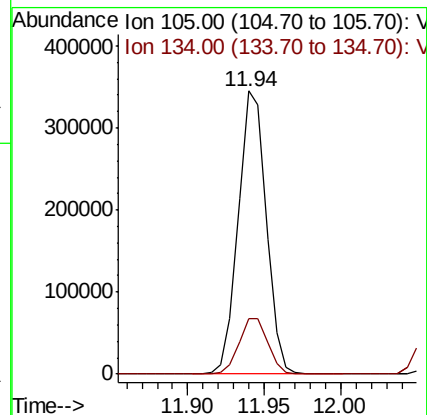
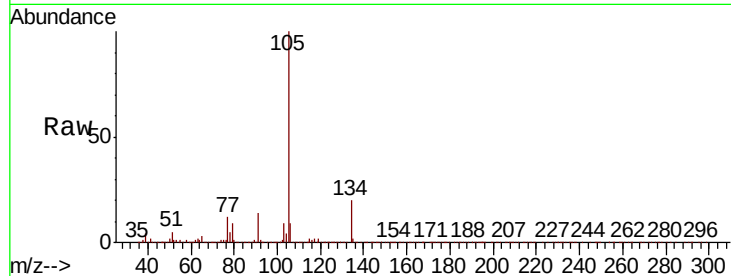
134 20.4 10.4 31.2

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:15 AM



#86

p-Isopropyltoluene

Concen: 16.581 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

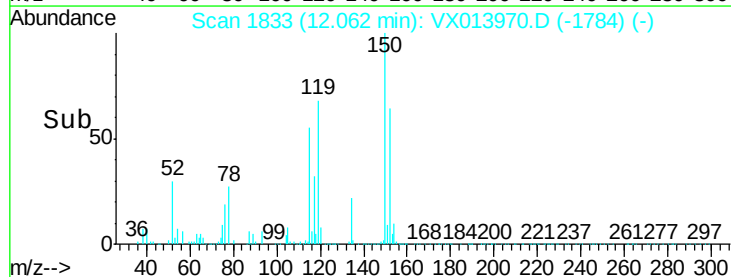
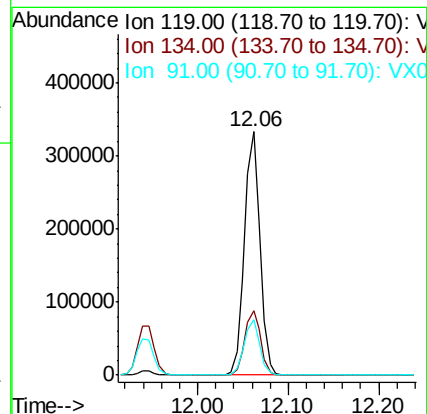
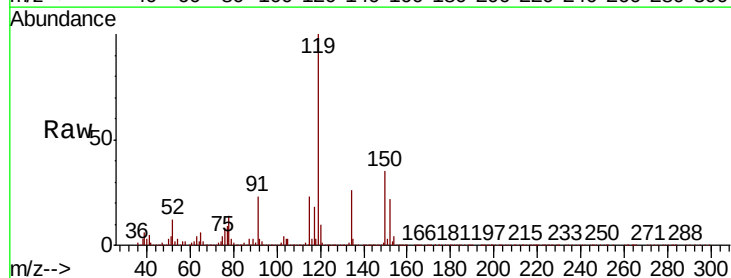
Tgt Ion:119 Resp: 396629

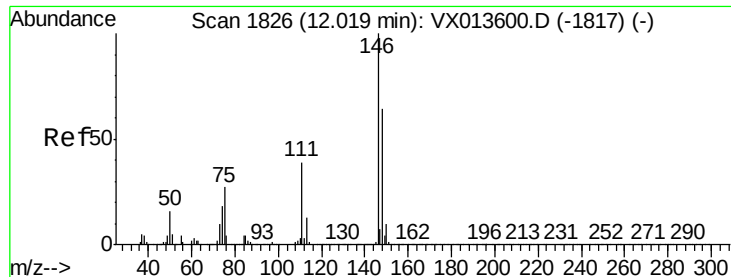
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 22.5 11.3 33.8





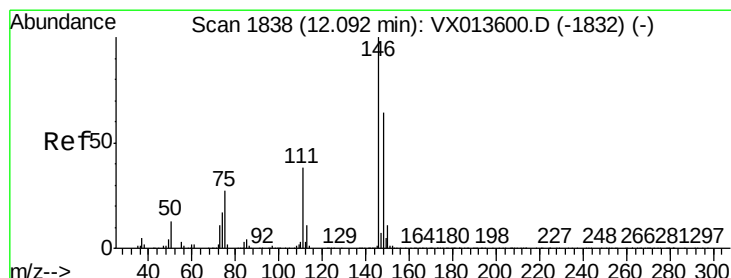
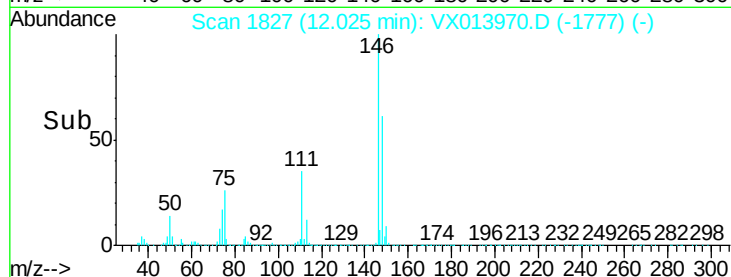
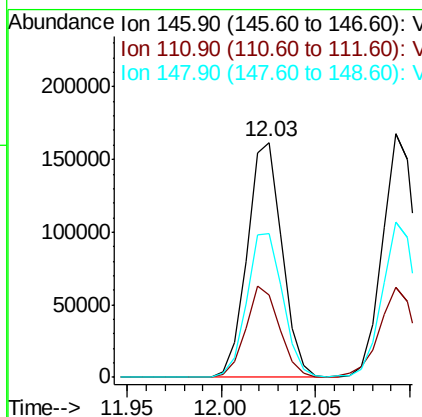
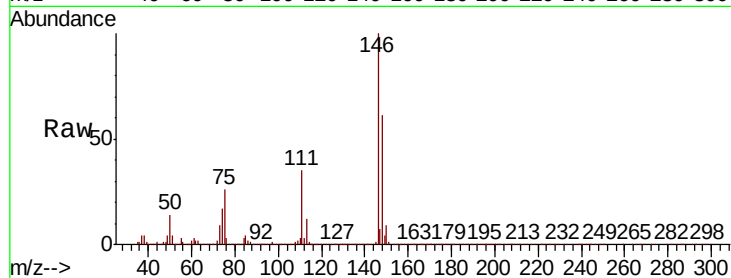
#87
 1,3-Dichlorobenzene
 Concen: 16.289 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	63.4	31.8	95.4

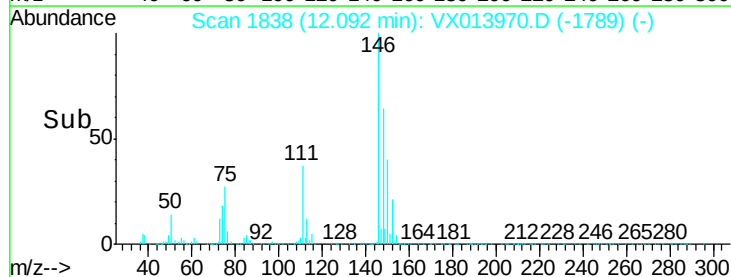
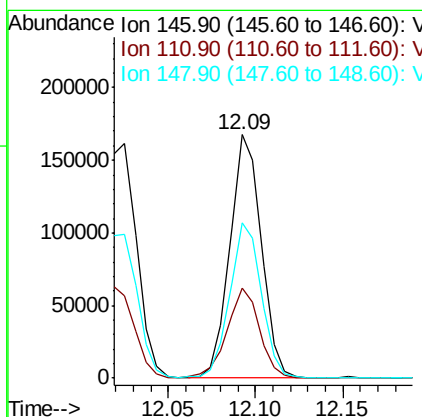
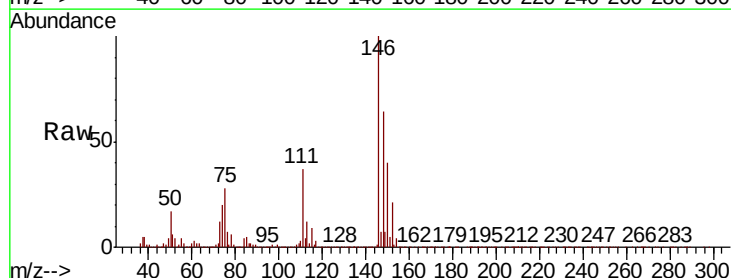
Manual Integrations
 APPROVED

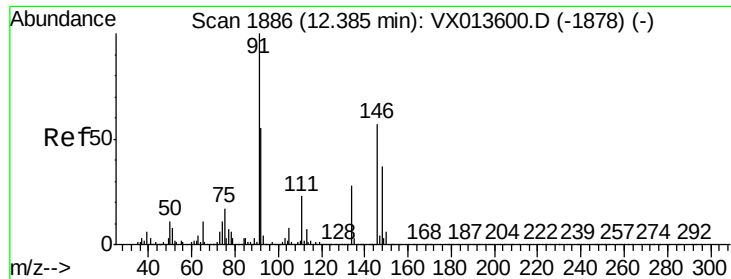
apatel
 12/13/2019 11:25:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.155 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.2	31.9	95.5





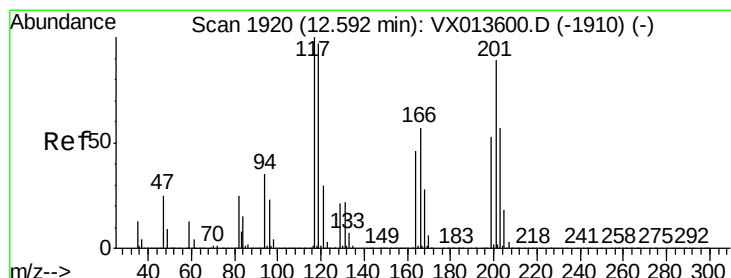
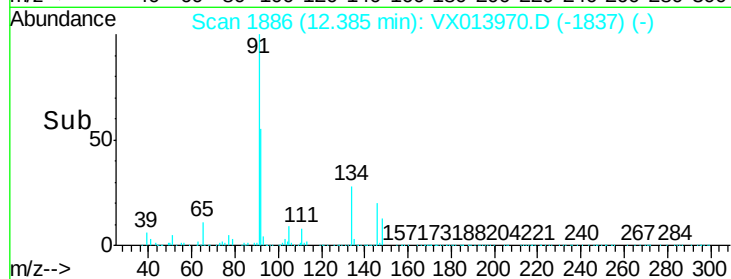
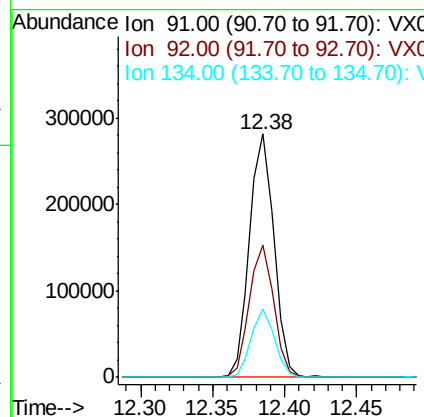
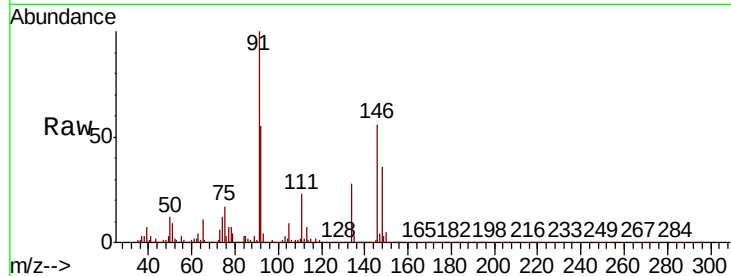
#89
n-Butylbenzene
Concen: 16.288 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	332314		
92	54.0	27.4	82.2	
134	26.9	13.5	40.4	

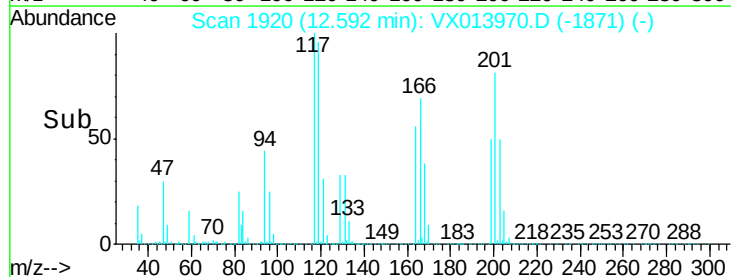
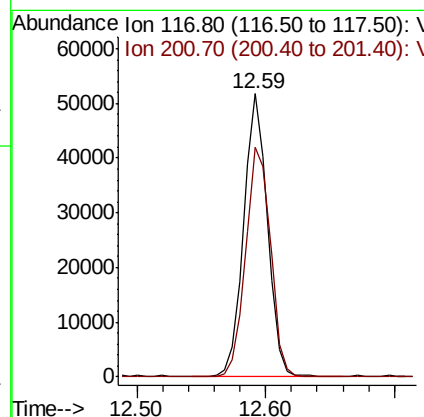
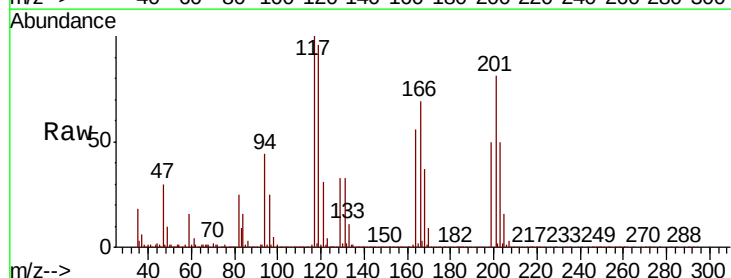
Manual Integrations
APPROVED

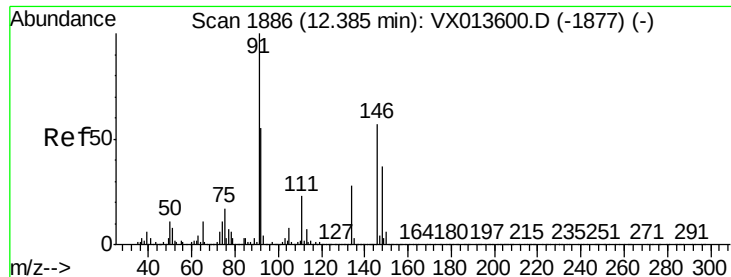
apatel
12/13/2019 11:25:15 AM



#90
Hexachloroethane
Concen: 15.220 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65809		
201	85.2	44.1	132.4	





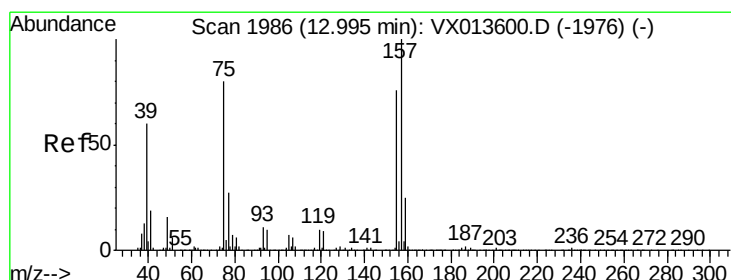
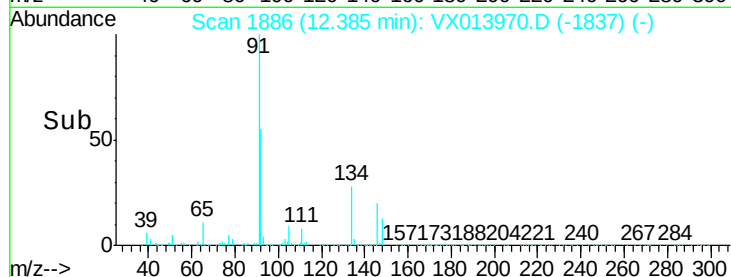
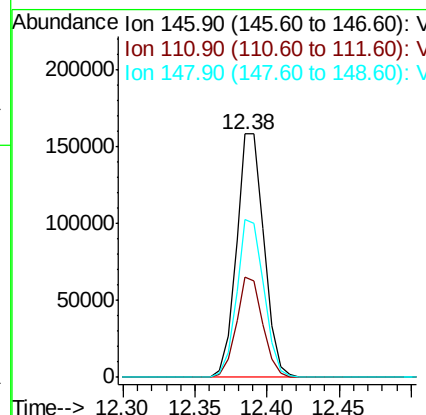
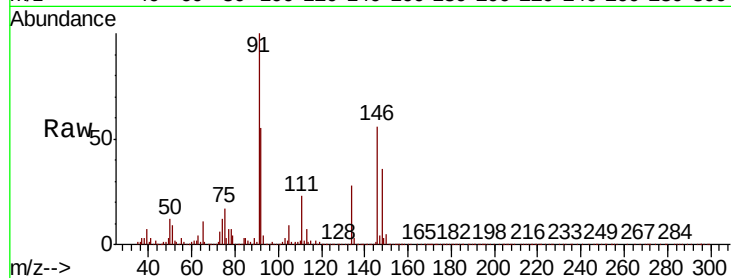
#91
 1,2-Dichlorobenzene
 Concen: 16.860 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.0	31.9	95.7

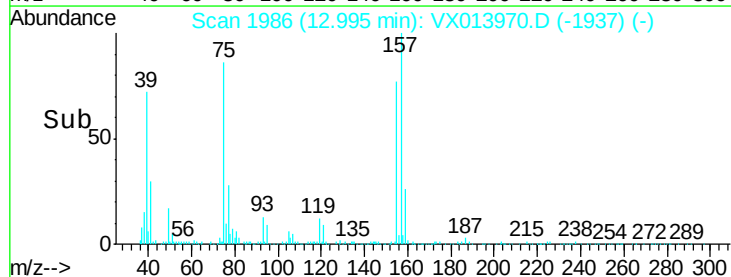
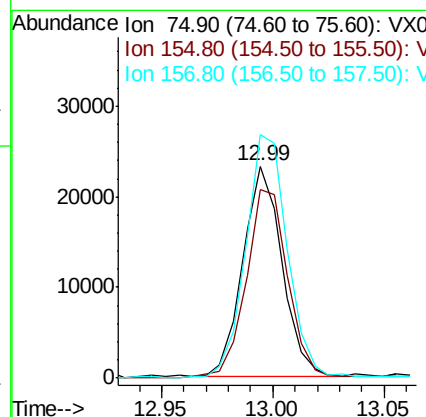
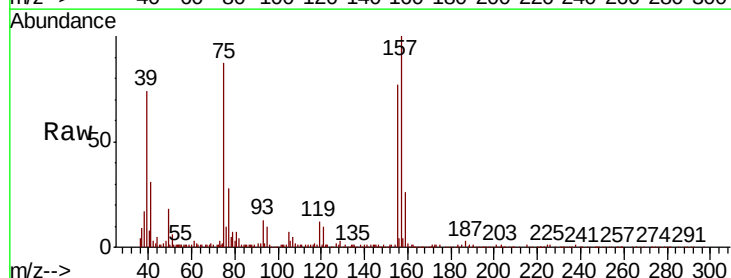
Manual Integrations
 APPROVED

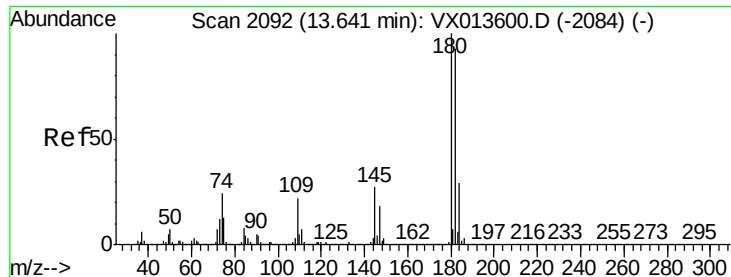
apatel
 12/13/2019 11:25:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.923 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	47.6	142.8
157	125.8	62.1	186.2





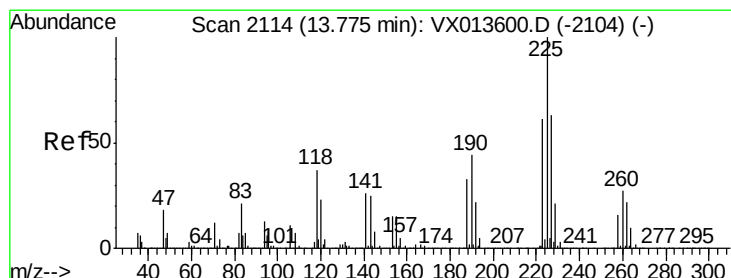
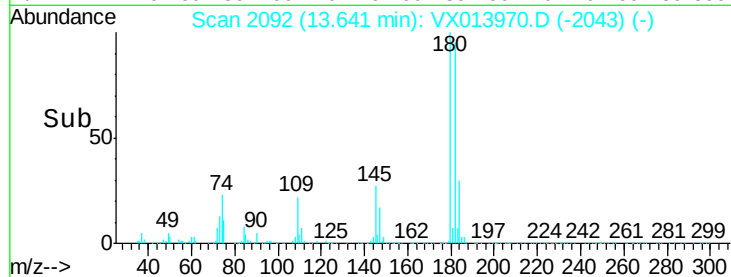
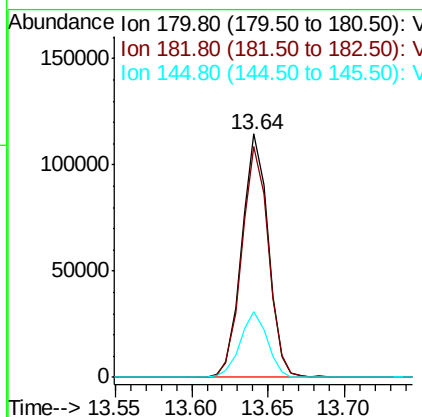
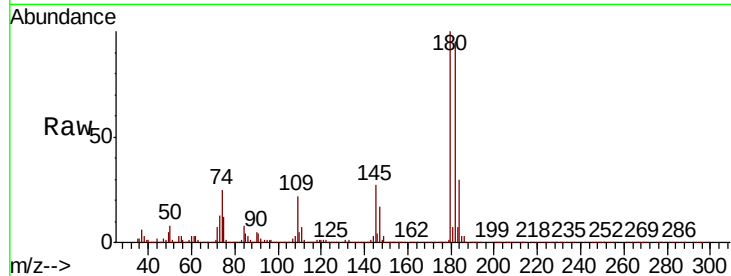
#93
 1,2,4-Trichlorobenzene
 Concen: 15.642 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137088		
182	96.1	47.2	141.6	
145	27.9	13.8	41.4	

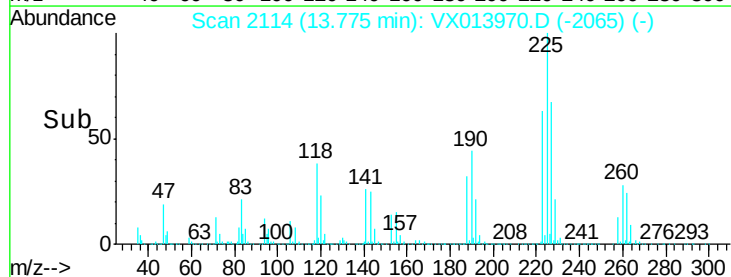
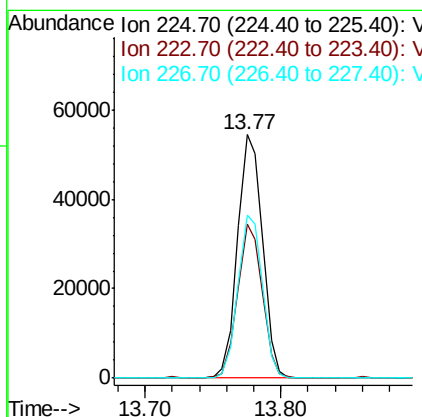
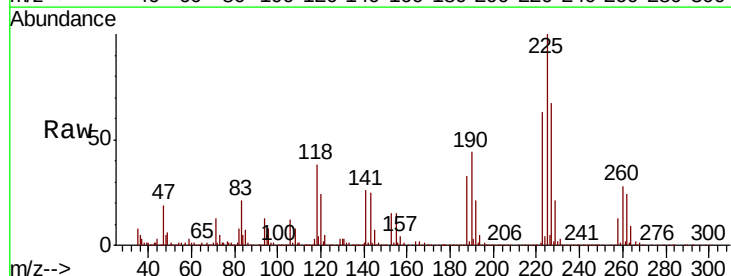
Manual Integrations
 APPROVED

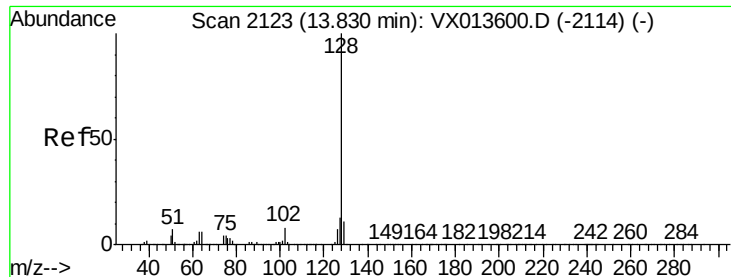
apatel
 12/13/2019 11:25:15 AM



#94
 Hexachlorobutadiene
 Concen: 16.548 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69667		
223	62.6	31.9	95.5	
227	65.9	32.1	96.3	





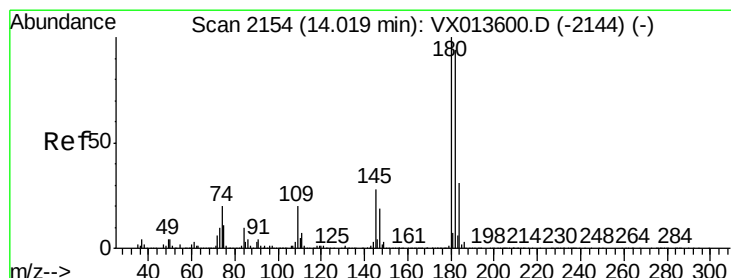
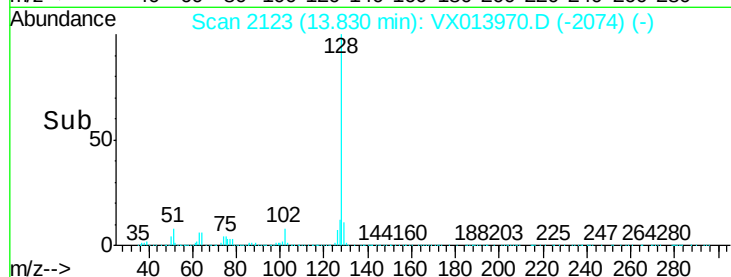
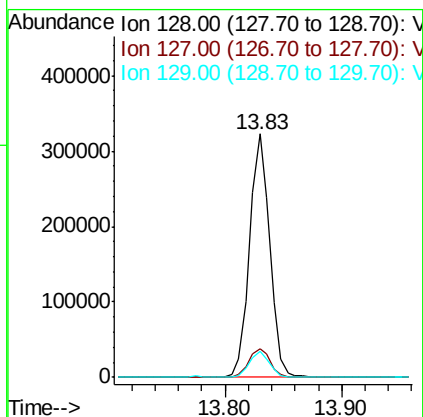
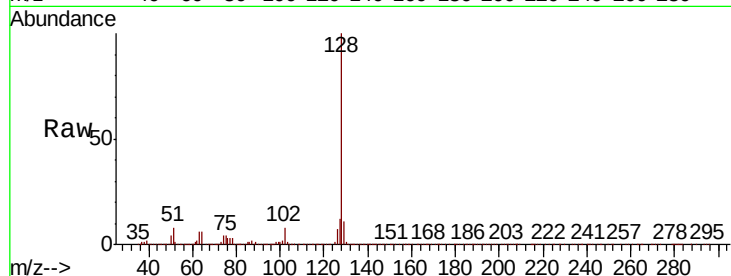
#95
Naphthalene
Concen: 15.033 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 15.730 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	30.1	15.0	45.0

