

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051418\
 Data File : VX001709.D
 Acq On : 14 May 2018 13:22
 Operator : JC/MD
 Sample : VX0514WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Manual Integrations
 APPROVED

apatel
 5/16/2018 6:19:06 PM

Quant Time: May 16 03:26:51 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	61484	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	317753	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	284562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	128870	28.73	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.77%
60) 4-Bromofluorobenzene	11.14	95	135554	30.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.33%
63) Toluene-d8	8.72	98	396395	31.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.13%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	69860	23.32	ug/l	99
3) Chloromethane	1.32	50	68839	20.75	ug/l	100
4) Vinyl Chloride	1.40	62	72997	21.08	ug/l	99
5) Bromomethane	1.64	94	38218	22.32	ug/l	100
6) Chloroethane	1.73	64	46403	20.12	ug/l	97
7) Trichlorofluoromethane	1.93	101	110878	22.28	ug/l	98
8) Diethyl Ether	2.19	74	44601	20.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69010	24.96	ug/l	98
10) 1,1-Dichloroethene	2.38	96	60044	21.10	ug/l	96
11) Methyl Iodide	2.51	142	67528	16.33	ug/l	99
12) Methyl Acetate	2.78	43	91624	18.94	ug/l	97
13) Acrolein	2.29	56	51401	93.69	ug/l	99
14) Acrylonitrile	3.15	53	184561	95.49	ug/l	100
15) Acetone	2.45	58	54530	105.02	ug/l	95
16) Carbon Disulfide	2.57	76	147885	20.98	ug/l	100
17) Allyl chloride	2.73	41	113668	20.94	ug/l	97
18) Methylene Chloride	2.86	84	68688	20.45	ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	66224	21.44	ug/l	96
20) Diisopropyl ether	3.87	45	216872	21.38	ug/l	98
21) 1,1-Dichloroethane	3.70	63	120155	20.60	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	74293	21.33	ug/l	97
23) tert-Butyl Alcohol	3.07	59	81124	94.34	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	211993	20.50	ug/l	99
25) Chloroform	5.22	83	125633	20.91	ug/l	97
26) Cyclohexane	5.58	56	104429	24.54	ug/l	# 99
29) 1,1-Dichloropropene	5.81	75	90933	22.78	ug/l	99
30) 2-Butanone	4.71	43	256949	97.54	ug/l	99
31) 2,2-Dichloropropane	4.59	77	96407	28.09	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	110320	21.73	ug/l	98
33) Carbon Tetrachloride	5.79	117	98700	22.07	ug/l	98
34) Benzene	6.15	78	274849	21.53	ug/l	99
35) Methacrylonitrile	5.06	41	54391	19.04	ug/l	96
36) 1,2-Dichloroethane	6.20	62	104721	20.74	ug/l	100
37) Trichloroethene	7.22	130	84939	22.58	ug/l	97
38) Methylcyclohexane	7.46	83	109965	25.76	ug/l	99
39) 1,2-Dichloropropane	7.52	63	66567	20.80	ug/l	100
40) Dibromomethane	7.67	93	48054	20.96	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051418\
 Data File : VX001709.D
 Acq On : 14 May 2018 13:22
 Operator : JC/MD
 Sample : VX0514WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0514WBSD01

Manual Integrations
 APPROVED

apatel
 5/16/2018 6:19:06 PM

Quant Time: May 16 03:26:51 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	90297	20.93	ug/l	97
42) Vinyl Acetate	3.82	43	931143	107.17	ug/l	100
43) Ethyl Acetate	4.86	43	97141	19.35	ug/l	97
44) Isopropyl Acetate	6.47	43	150772	19.61	ug/l	98
45) 1,4-Dioxane	7.76	88	35044	388.73	ug/l	98
46) Methyl methacrylate	7.78	41	80159	19.31	ug/l	95
47) n-amyl Acetate	10.90	43	121926	18.57	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	104599	21.97	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	93917	22.32	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	73581	21.67	ug/l	97
51) Ethyl methacrylate	9.18	69	97314	19.88	ug/l	97
52) 1,3-Dichloropropane	9.38	76	115555	20.66	ug/l	98
53) Dibromochloromethane	9.59	129	71752	20.35	ug/l	99
54) 1,2-Dibromoethane	9.68	107	74516	20.81	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	269688	103.63	ug/l	99
56) Bromoform	10.86	173	56046	19.44	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	506611	98.98	ug/l	100
59) 2-Hexanone	9.50	43	365706	95.37	ug/l	99
61) Tetrachloroethene	9.34	164	99239	23.97	ug/l	98
62) Toluene	8.79	91	308087	22.51	ug/l	100
64) Chlorobenzene	10.14	112	198465	22.07	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	71177	20.94	ug/l	99
66) Ethyl Benzene	10.26	91	319151	22.47	ug/l	97
67) m/p-Xylenes	10.37	106	257587	45.41	ug/l	99
68) o-Xylene	10.70	106	122069	21.75	ug/l	99
69) Styrene	10.72	104	202906	21.91	ug/l	98
70) Isopropylbenzene	11.02	105	333206	23.05	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	95716	19.74	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	96500m	20.54	ug/l	
73) Bromobenzene	11.26	156	96237	21.97	ug/l	99
74) n-propylbenzene	11.37	91	383714	24.11	ug/l	99
75) 2-Chlorotoluene	11.43	91	224772	22.52	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	284015	23.34	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	25269	20.91	ug/l	91
78) 4-Chlorotoluene	11.51	91	260494	22.95	ug/l	100
79) tert-butylbenzene	12.07	119	314645	24.44	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	289854	23.34	ug/l	100
81) sec-Butylbenzene	11.95	105	341222	24.22	ug/l	100
82) p-Isopropyltoluene	12.07	119	314645	24.44	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	175279	22.94	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	177189	23.07	ug/l	99
85) n-Butylbenzene	12.40	91	265118	25.90	ug/l	100
86) Hexachloroethane	12.60	117	44755	21.91	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	173903	21.95	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19937	17.65	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	135172	24.02	ug/l	99
90) Hexachlorobutadiene	13.79	225	75402	26.18	ug/l	99
91) Naphthalene	13.84	128	358304	21.26	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	139507	23.44	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051418\
Data File : VX001709.D
Acq On : 14 May 2018 13:22
Operator : JC/MD
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM

Quant Time: May 16 03:26:51 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration

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

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

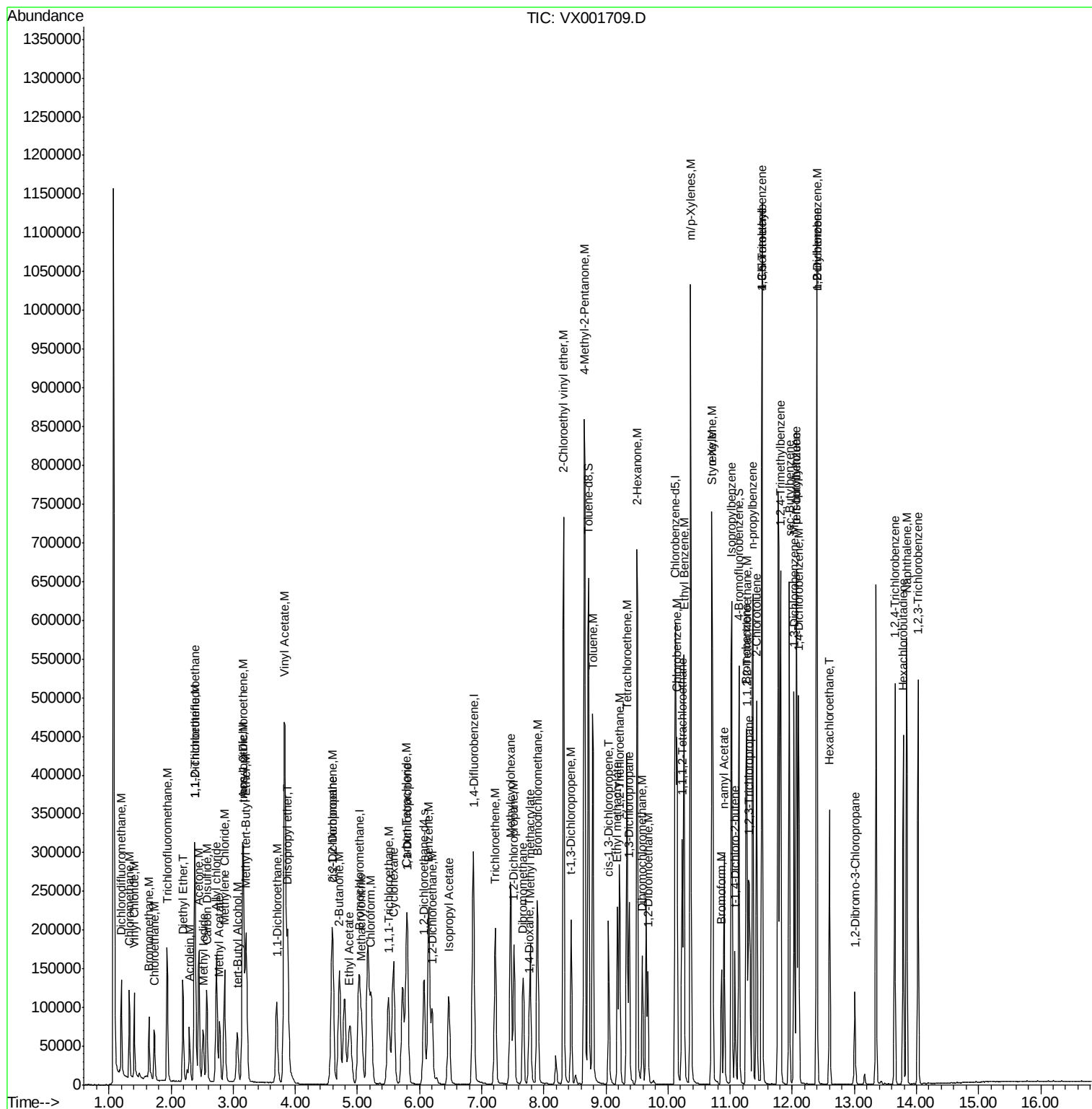
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051418\
Data File : VX001709.D
Acq On : 14 May 2018 13:22
Operator : JC/MD
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

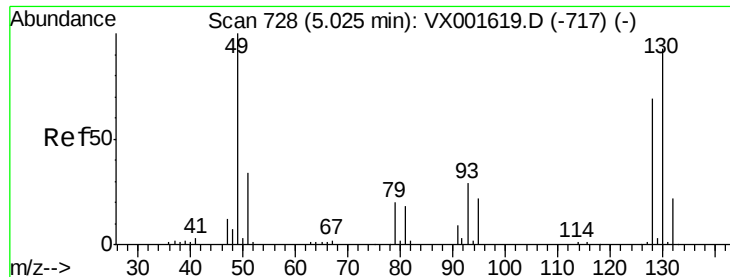
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Manual Integrations APPROVED

apatel
5/16/2018 6:19:06 PM

Quant Time: May 16 03:26:51 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

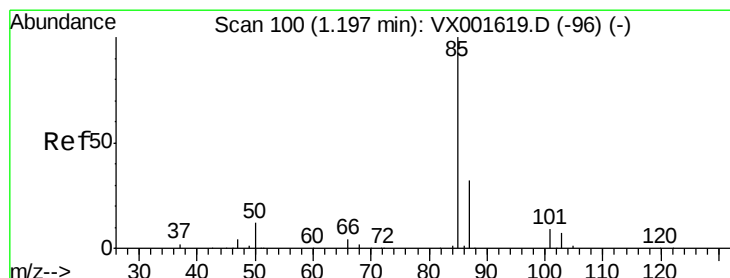
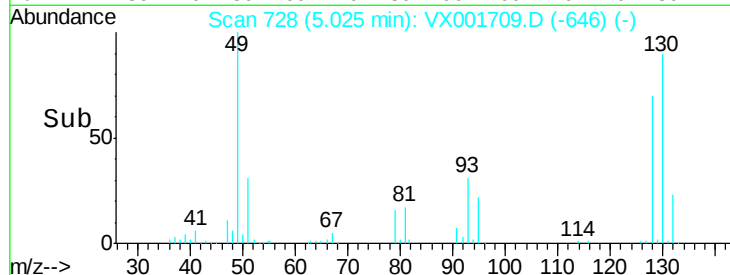
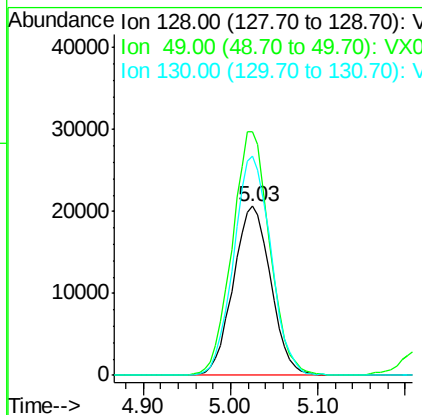
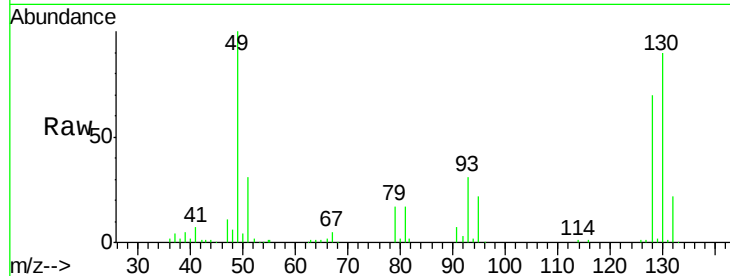
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	144.2	0.0	372.0
130	128.8	0.0	326.5

Manual Integrations
APPROVED

apatel

5/16/2018 6:19:06 PM



#2

Dichlorodifluoromethane

Concen: 23.32 ug/l

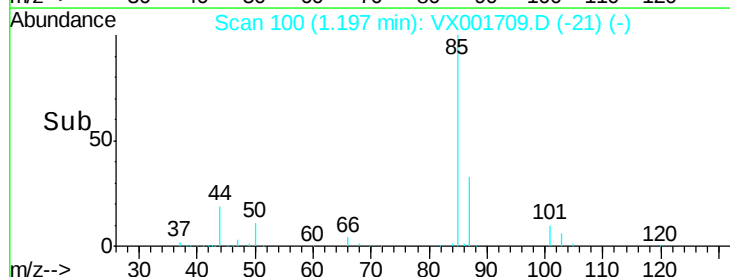
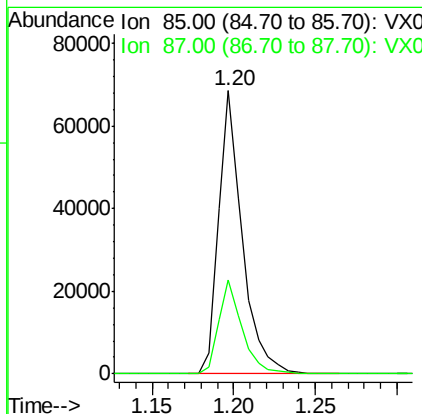
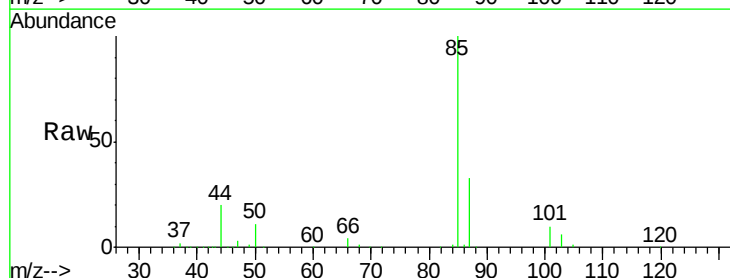
RT: 1.20 min Scan# 100

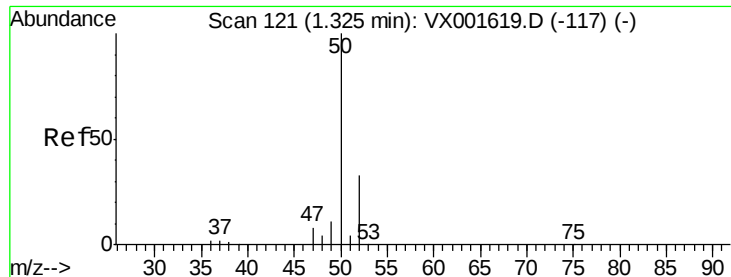
Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.3	48.8





#3

Chloromethane

Concen: 20.75 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 50 Resp: 68839

Ion Ratio Lower Upper

50 100

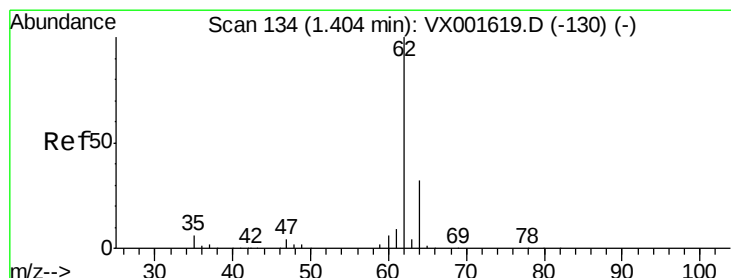
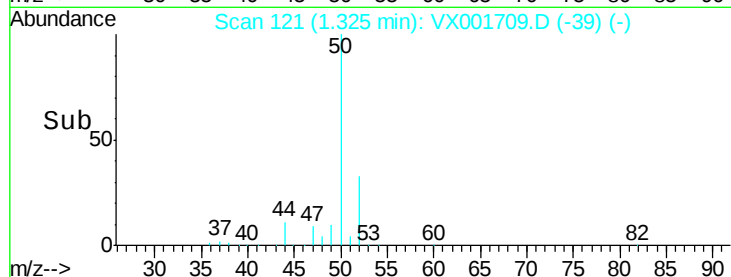
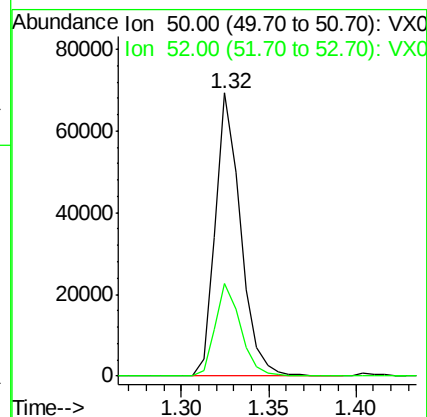
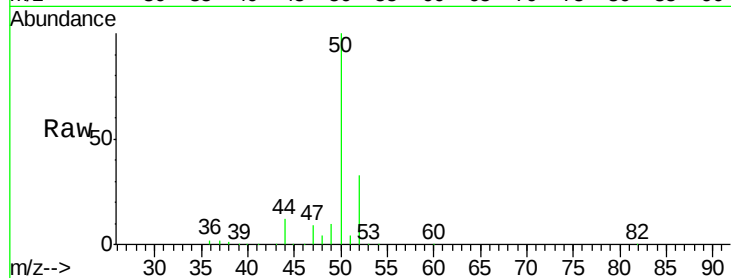
52 32.8 26.4 39.6

Manual Integrations

APPROVED

apatel

5/16/2018 6:19:06 PM



#4

Vinyl Chloride

Concen: 21.08 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001709.D

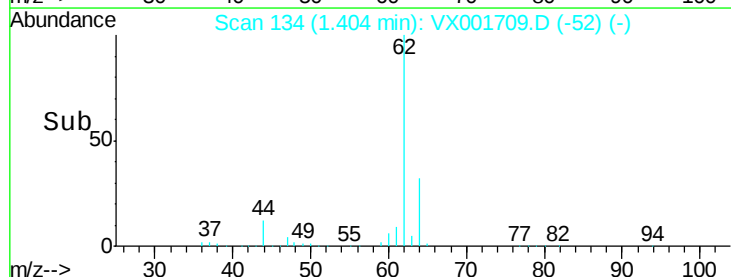
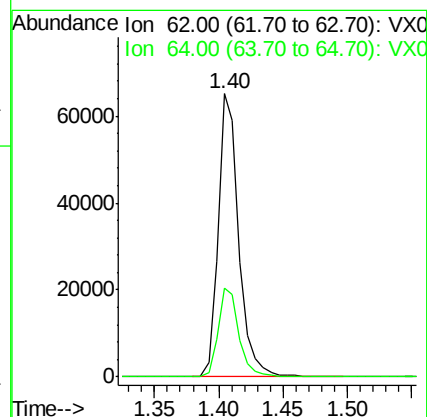
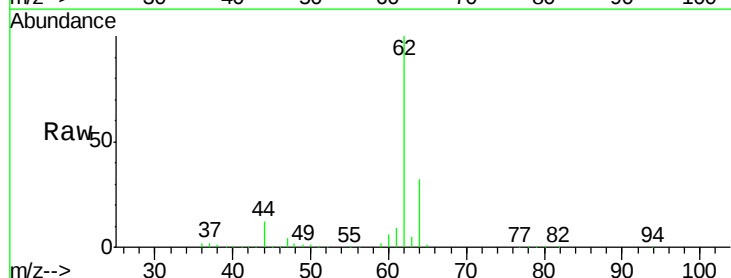
Acq: 14 May 2018 13:22

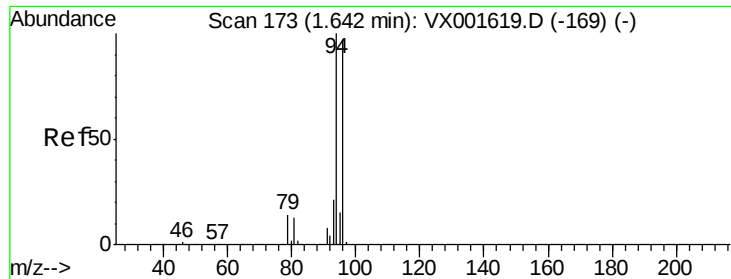
Tgt Ion: 62 Resp: 72997

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 22.32 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 94 Resp: 38218

Ion Ratio Lower Upper

94 100

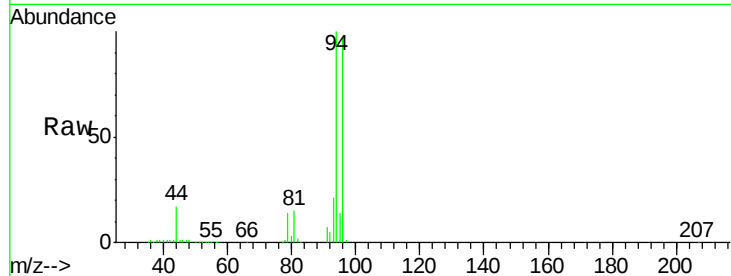
96 97.5 77.8 116.8

Manual Integrations

APPROVED

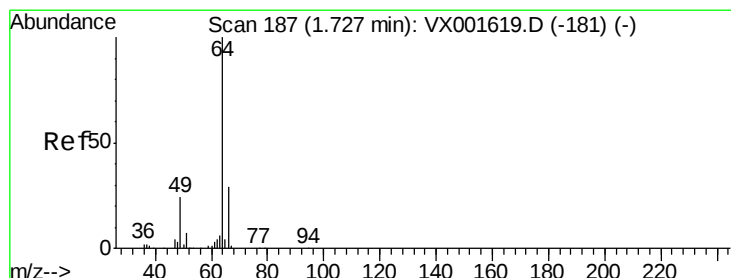
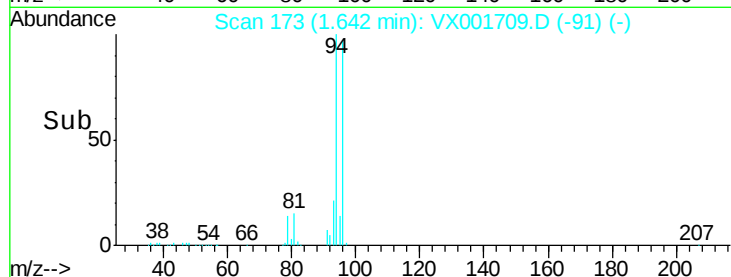
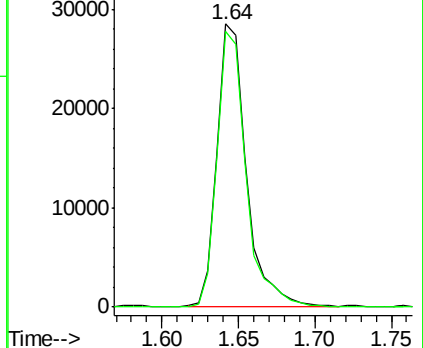
apatel

5/16/2018 6:19:06 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.12 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001709.D

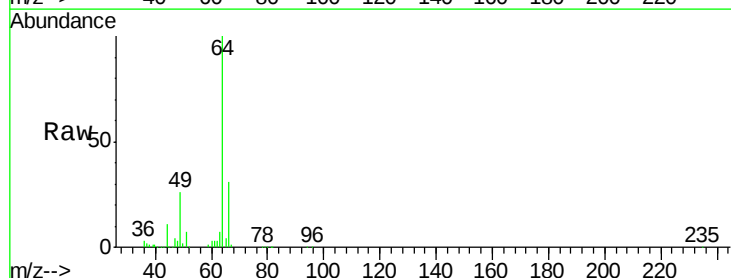
Acq: 14 May 2018 13:22

Tgt Ion: 64 Resp: 46403

Ion Ratio Lower Upper

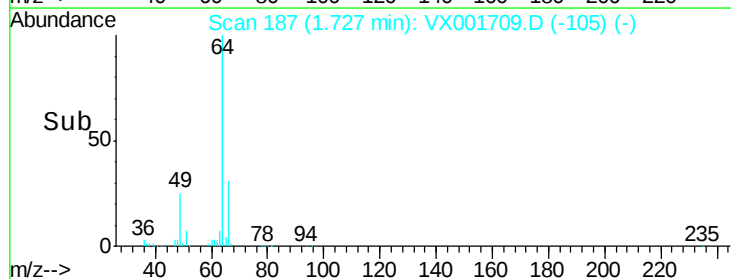
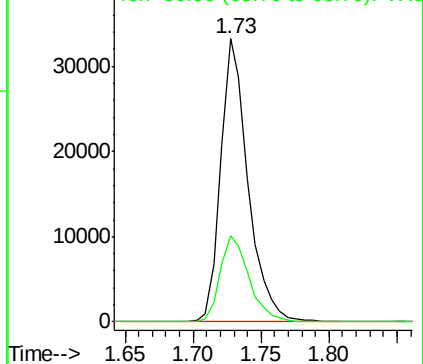
64 100

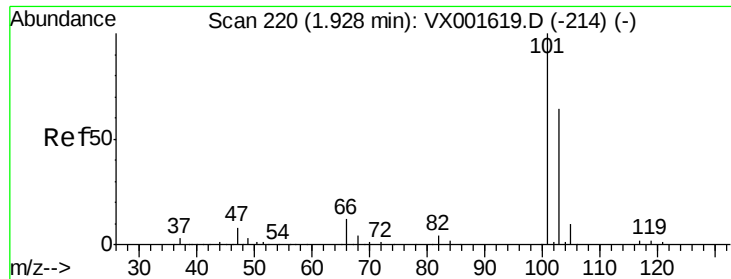
66 30.7 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

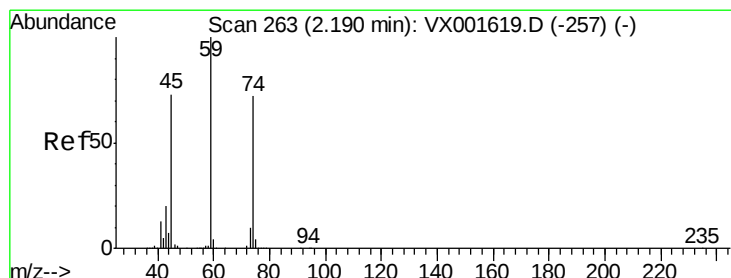
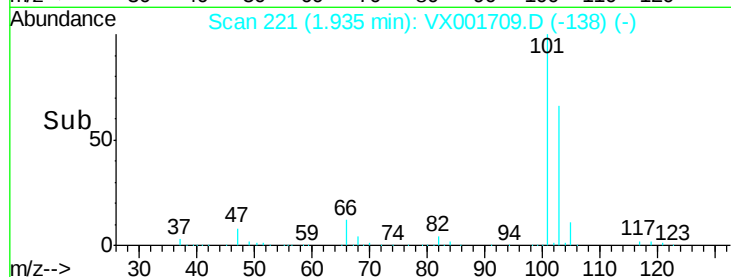
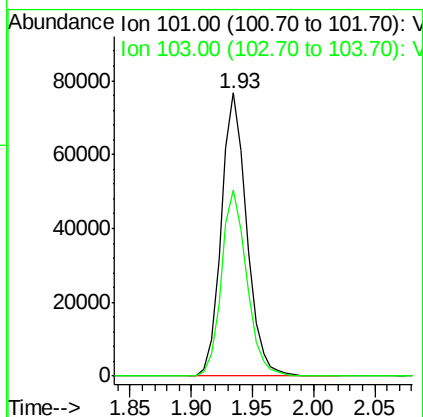
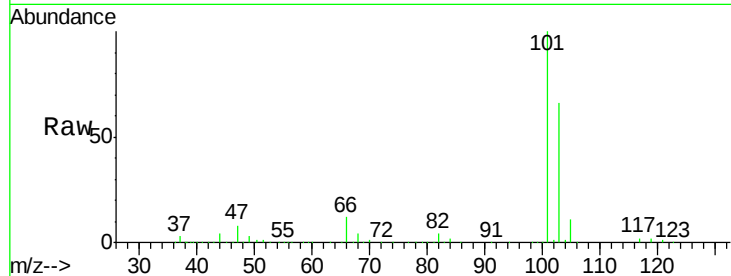
Trichlorofluoromethane
 Concen: 22.28 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	110878		
103	65.9	51.4	77.0	

Manual Integrations
 APPROVED

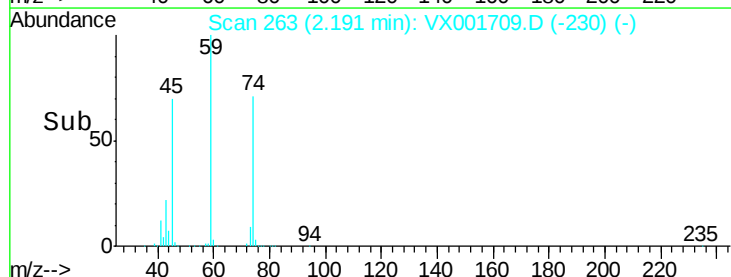
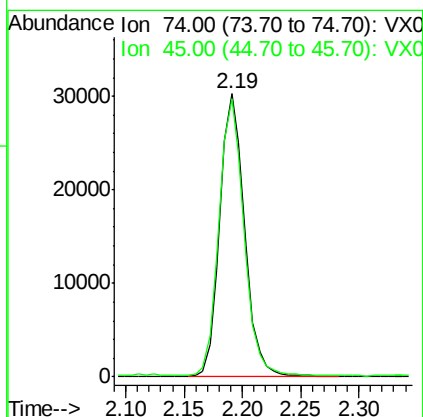
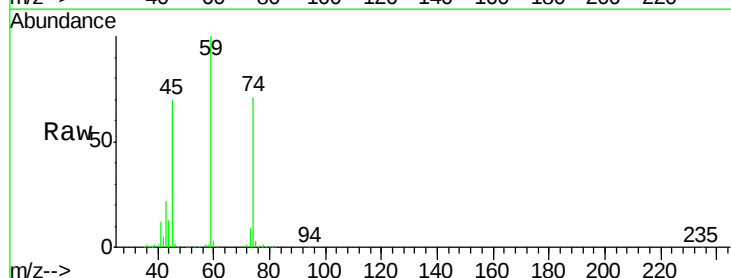
apatel
 5/16/2018 6:19:06 PM

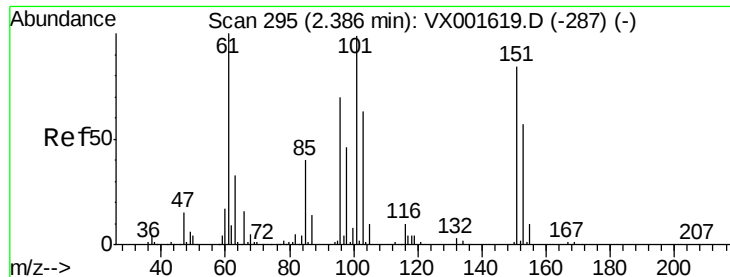


#8

Diethyl Ether
 Concen: 20.67 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44601		
45	97.4	19.4	174.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.96 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

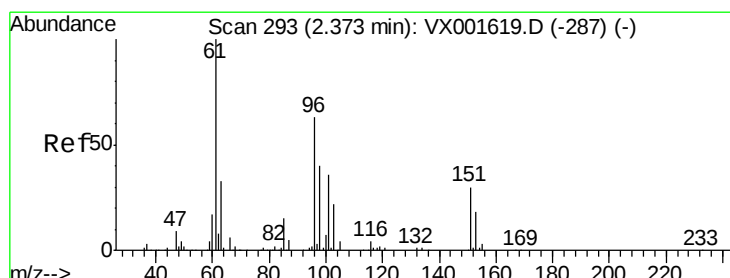
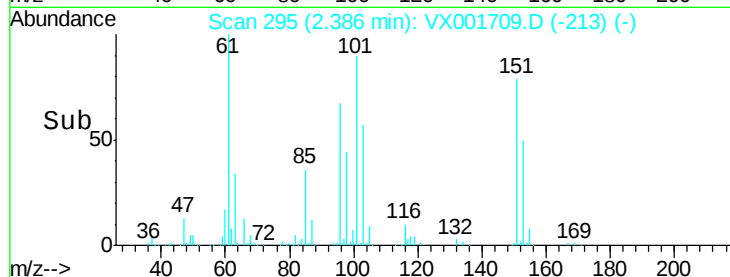
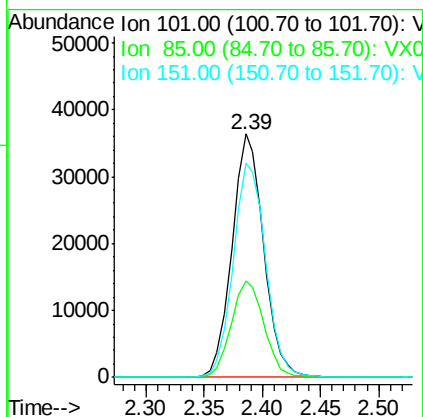
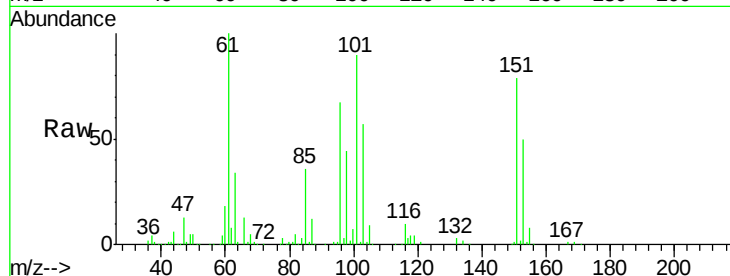
ClientSampleId :

VX0514WBSD01

Tot Ion:	101	Resp:	69010
Ion Ratio	Lower	Upper	
101	100		
85	40.9	0.0	84.0
151	90.2	0.0	176.4

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#10

1,1-Dichloroethene

Concen: 21.10 ug/l

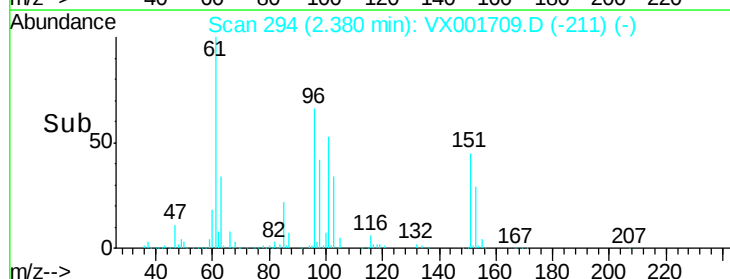
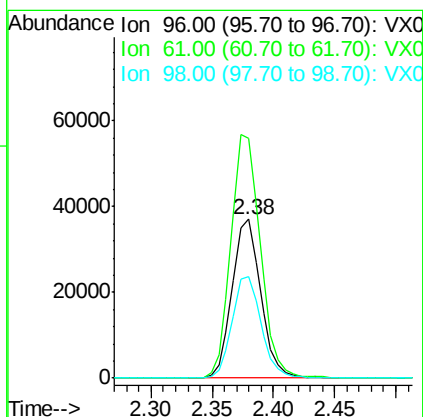
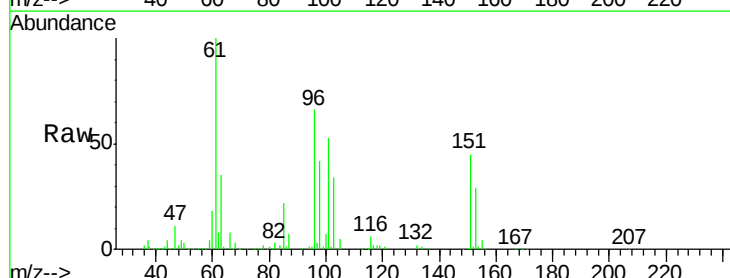
RT: 2.38 min Scan# 294

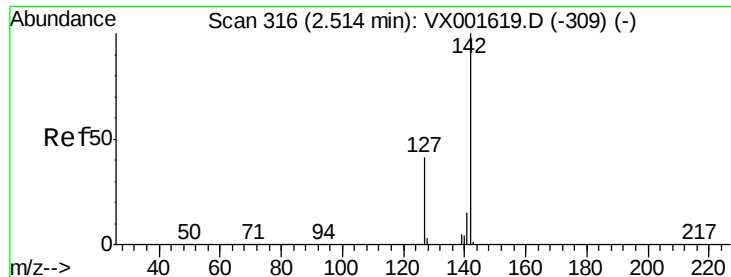
Delta R.T. 0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	96	Resp:	60044
Ion Ratio	Lower	Upper	
96	100		
61	150.8	126.5	189.7
98	63.8	50.6	75.8





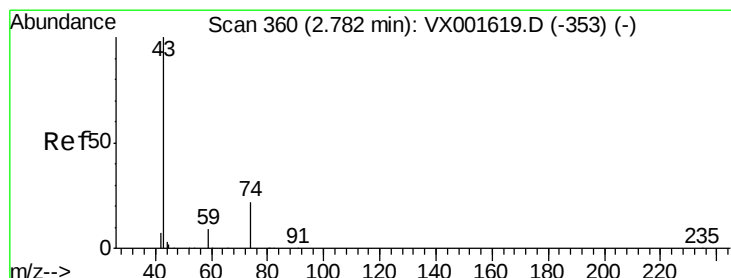
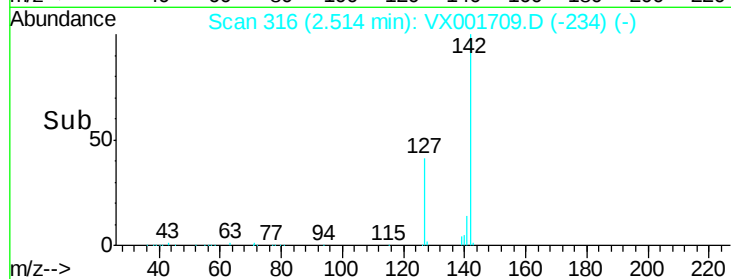
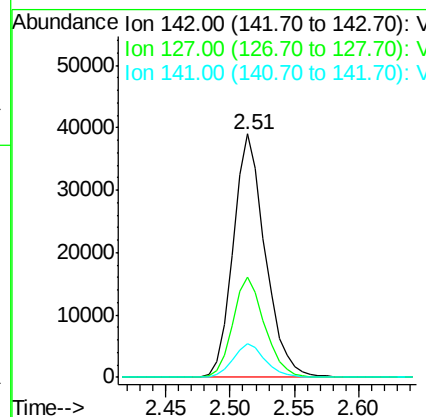
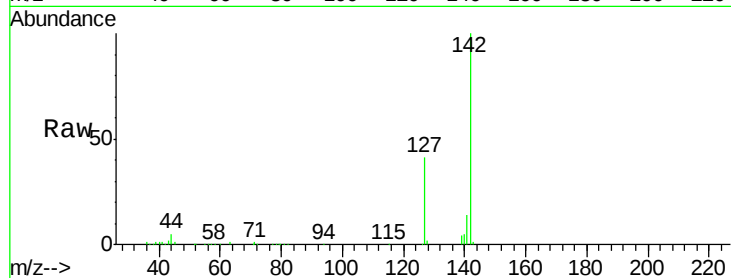
#11
Methyl Iodide
Concen: 16.33 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.0	20.7	62.1
141	13.8	7.4	22.3

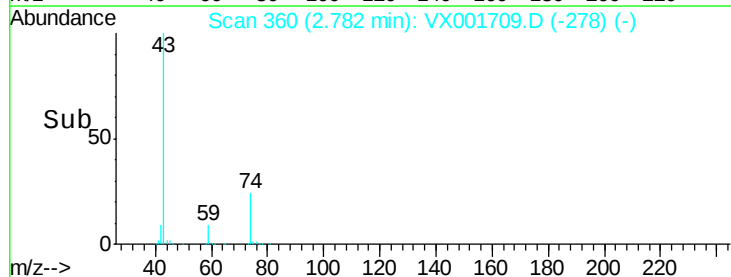
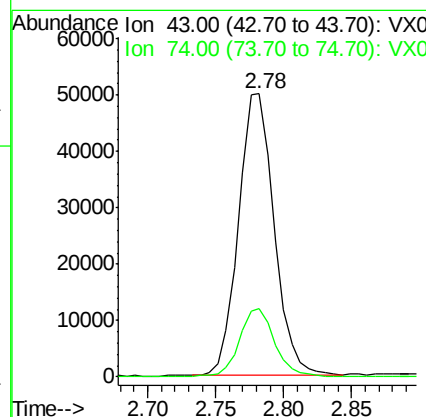
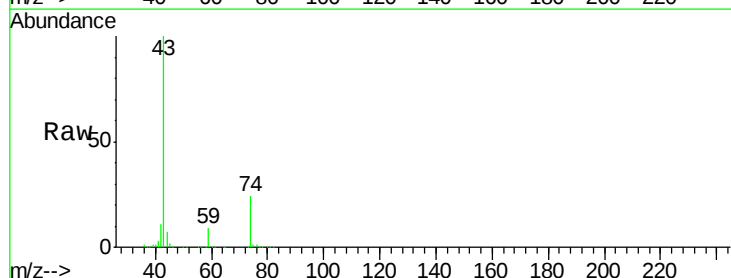
Manual Integrations
APPROVED

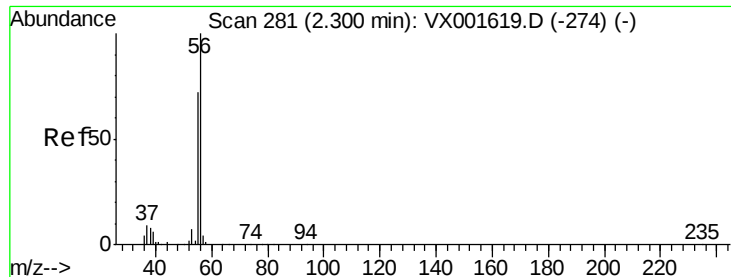
apatel
5/16/2018 6:19:06 PM



#12
Methyl Acetate
Concen: 18.94 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.0	27.0





#13

Acrolein

Concen: 93.69 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 56 Resp: 51401

Ion Ratio Lower Upper

56 100

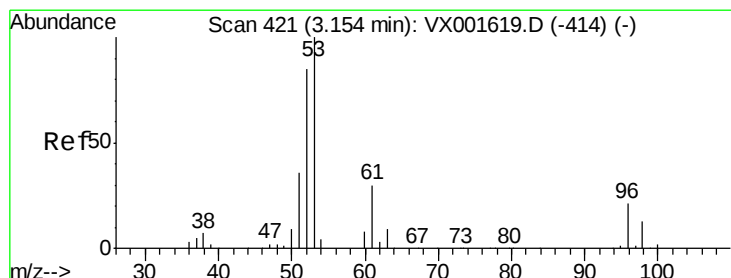
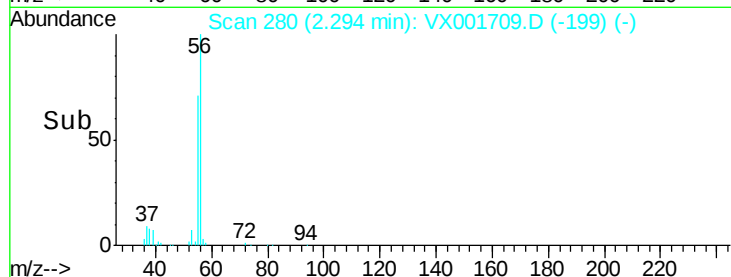
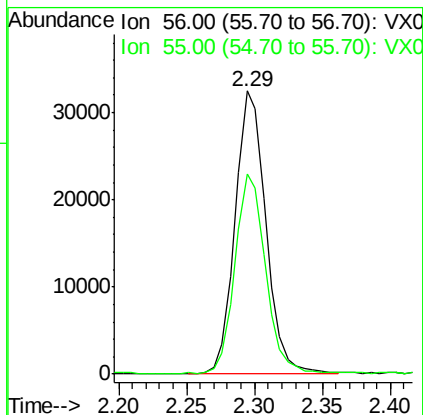
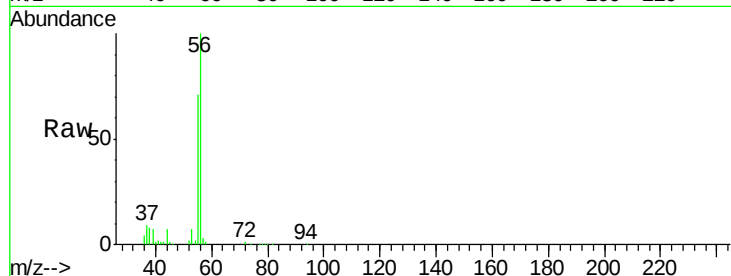
55 70.2 56.9 85.3

Manual Integrations

APPROVED

apatel

5/16/2018 6:19:06 PM



#14

Acrylonitrile

Concen: 95.49 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

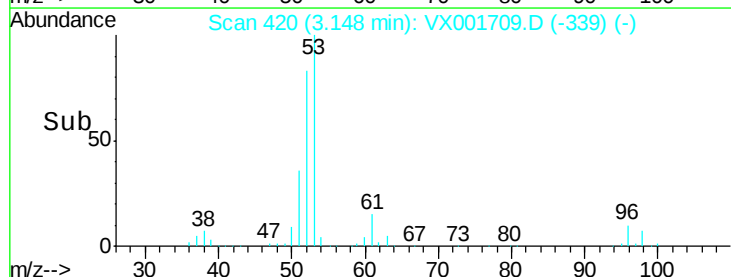
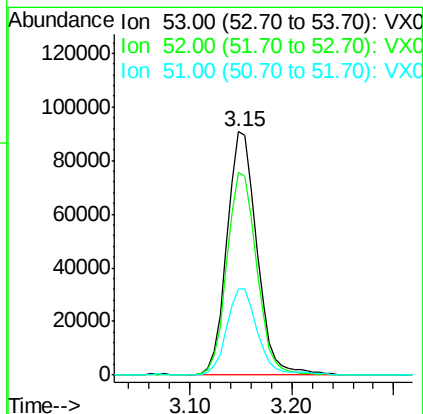
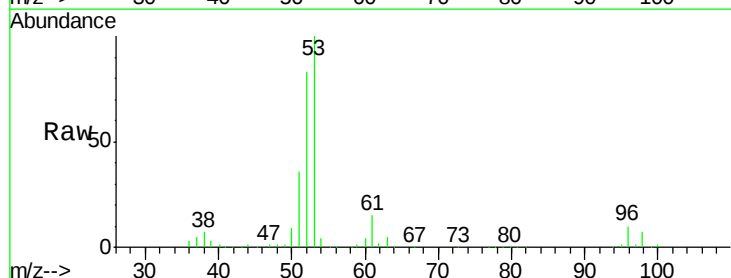
Tgt Ion: 53 Resp: 184561

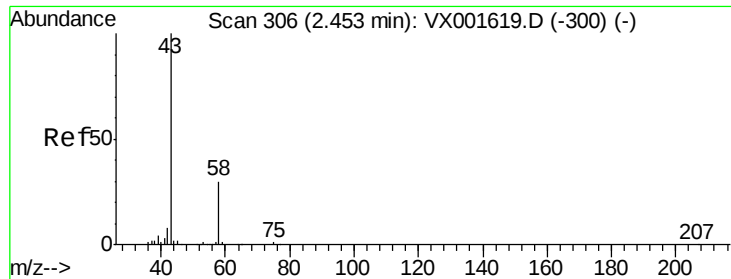
Ion Ratio Lower Upper

53 100

52 82.8 41.3 123.9

51 36.4 18.1 54.3





#15

Acetone

Concen: 105.02 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 58 Resp: 54530

Ion Ratio Lower Upper

58 100

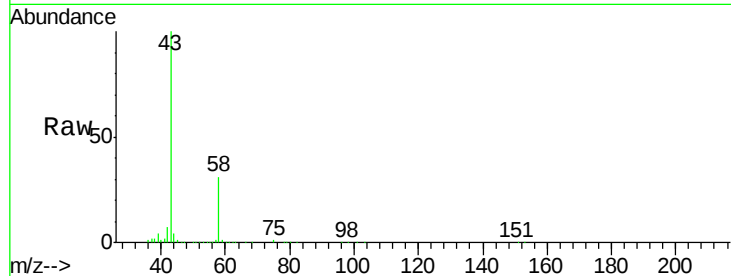
43 319.4 264.2 396.2

Manual Integrations

APPROVED

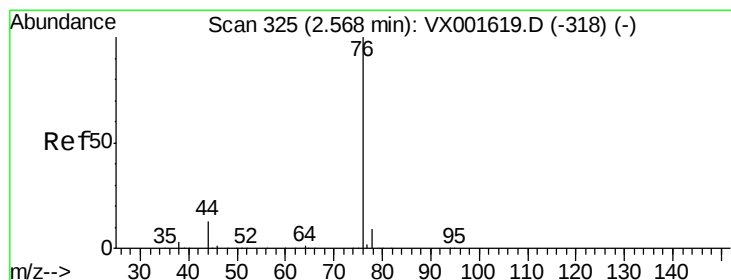
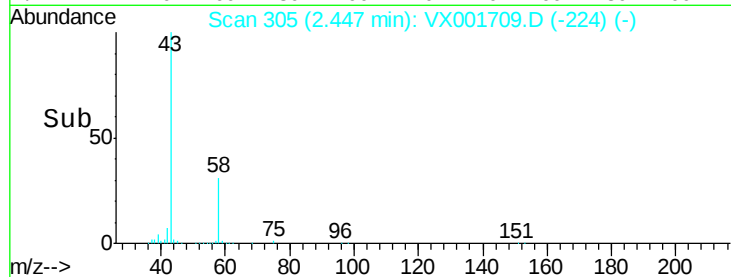
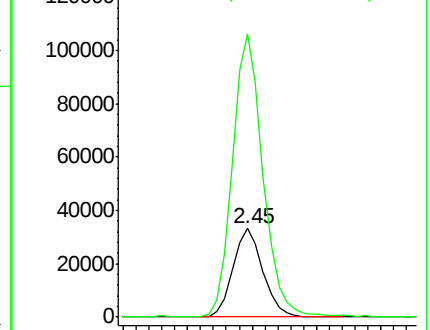
apatel

5/16/2018 6:19:06 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 20.98 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001709.D

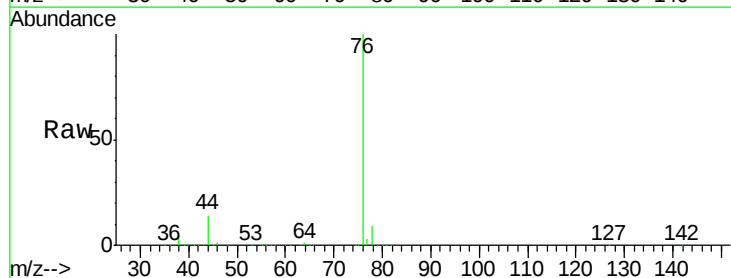
Acq: 14 May 2018 13:22

Tgt Ion: 76 Resp: 147885

Ion Ratio Lower Upper

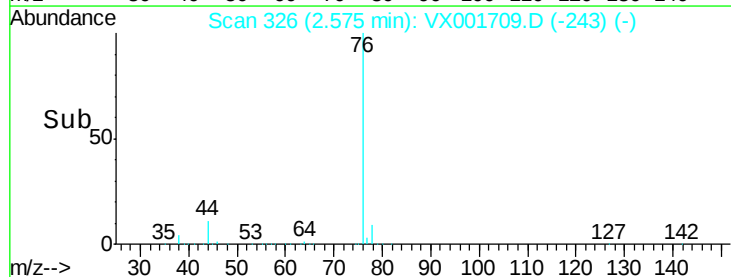
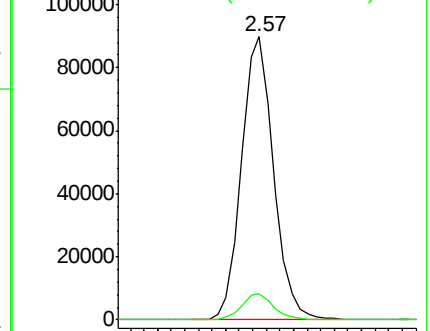
76 100

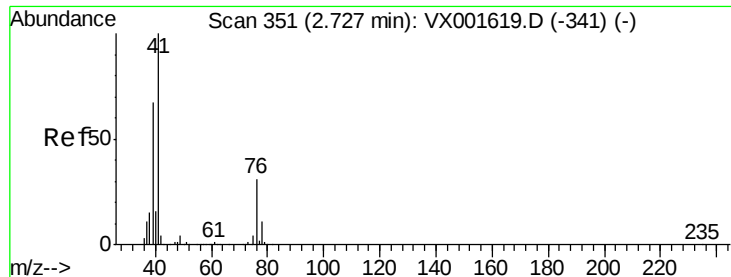
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





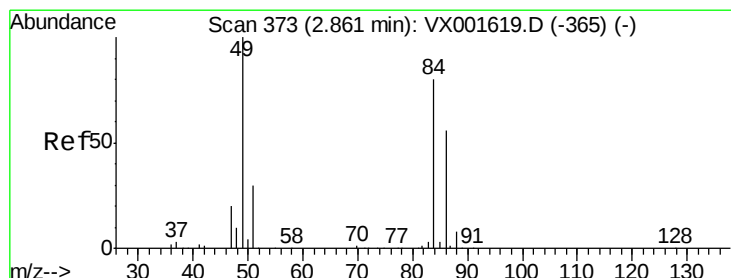
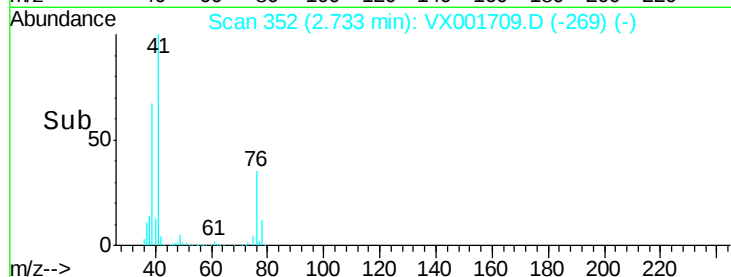
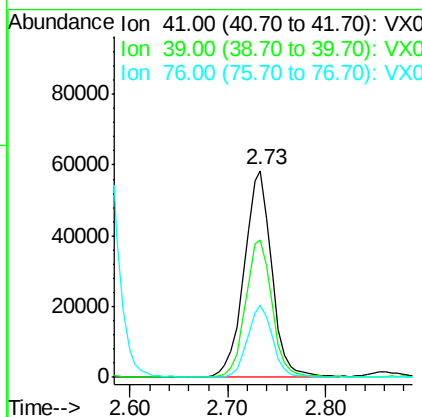
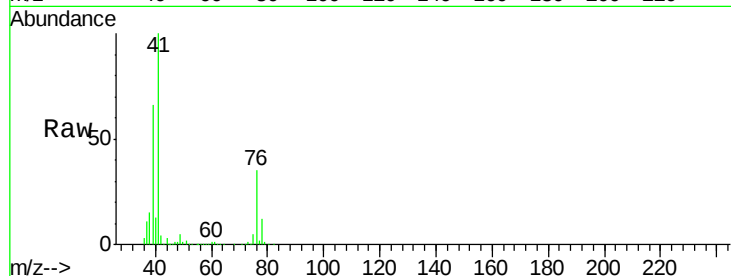
#17
Allvl chloride
Concen: 20.94 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.1	33.7	101.1
76	34.7	15.4	46.4

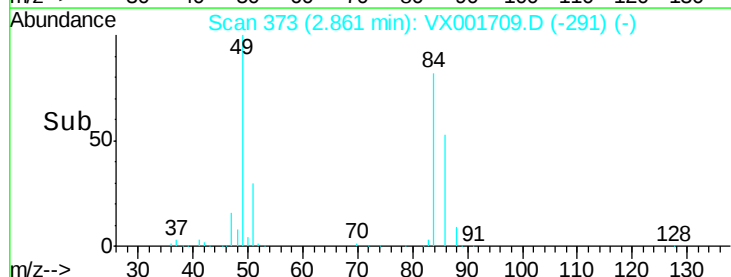
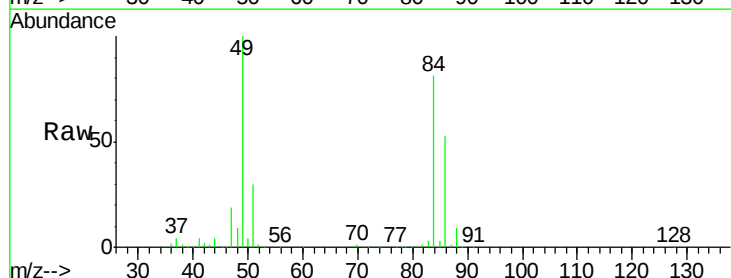
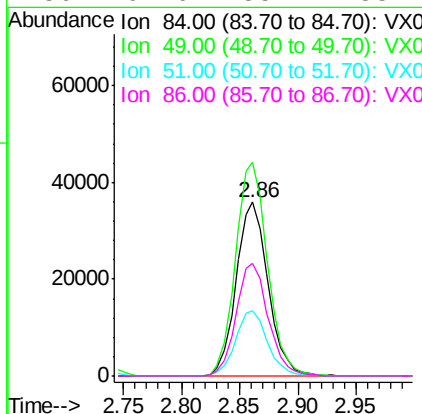
Manual Integrations
APPROVED

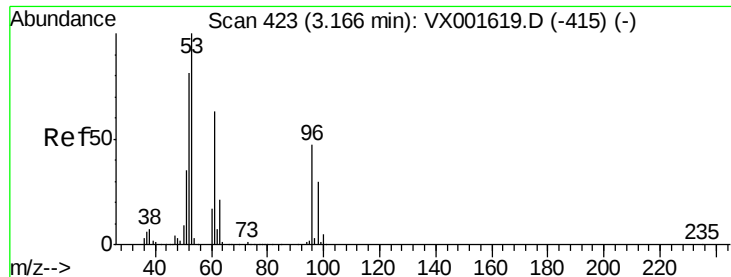
apatel
5/16/2018 6:19:06 PM



#18
Methylene Chloride
Concen: 20.45 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	99.5	149.3
51	37.1	30.1	45.1
86	64.6	55.4	83.2





#19

trans-1,2-Dichloroethene

Concen: 21.44 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

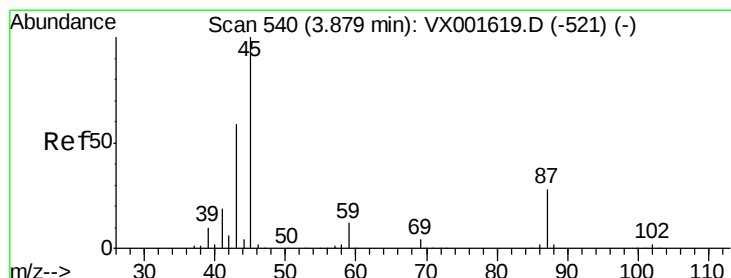
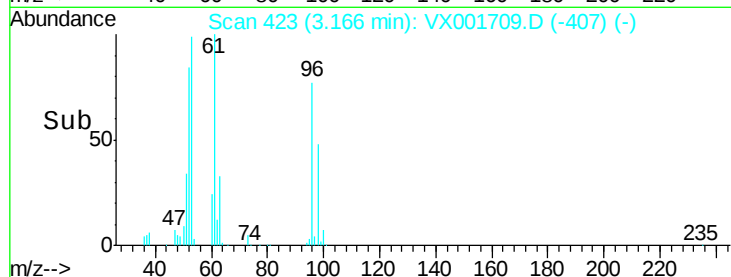
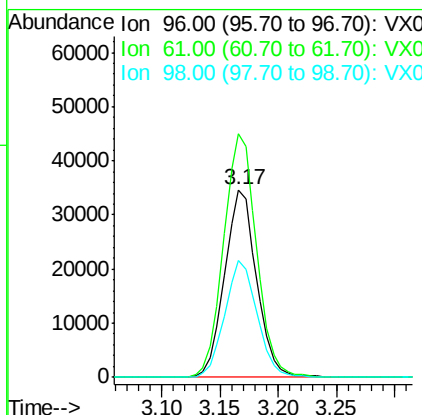
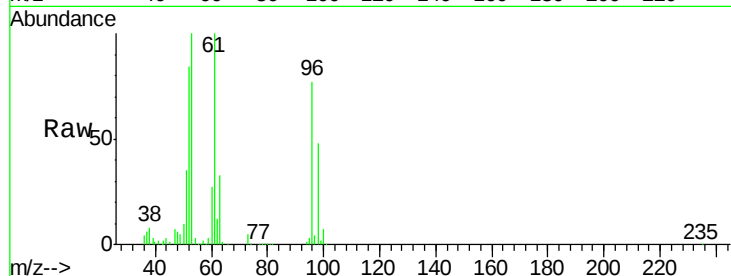
ClientSampleId :

VX0514WBSD01

Tot Ion:	96	Resp:	66224
Ion	Ratio	Lower	Upper
96	100		
61	129.6	107.7	161.5
98	62.1	51.6	77.4

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#20

Diisopropyl ether

Concen: 21.38 ug/l

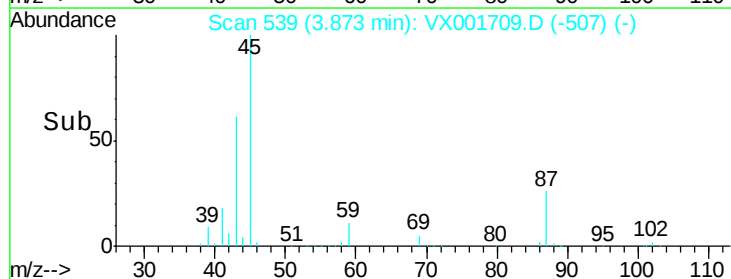
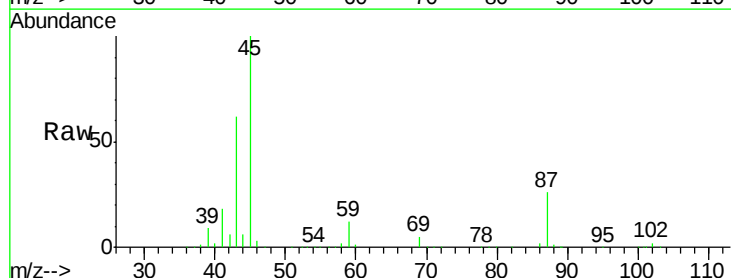
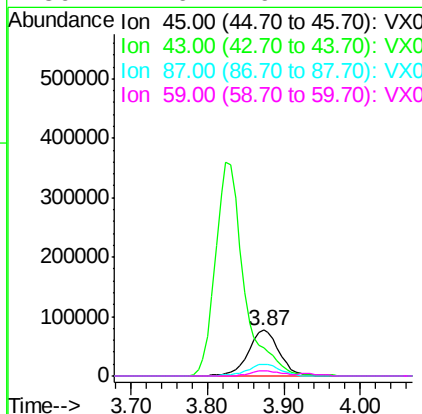
RT: 3.87 min Scan# 539

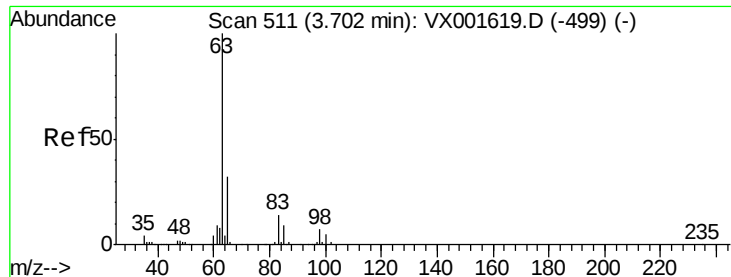
Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	45	Resp:	216872
Ion	Ratio	Lower	Upper
45	100		
43	60.5	47.5	71.3
87	26.5	22.2	33.4
59	11.6	9.4	14.2





#21

1,1-Dichloroethane

Concen: 20.60 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

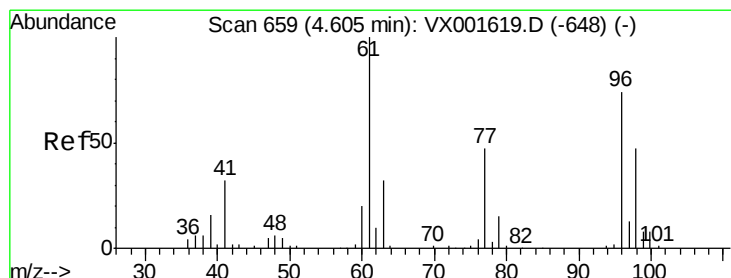
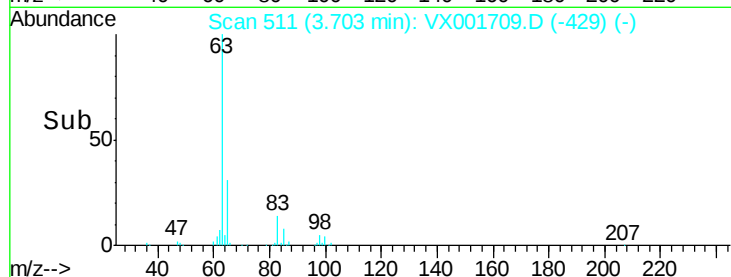
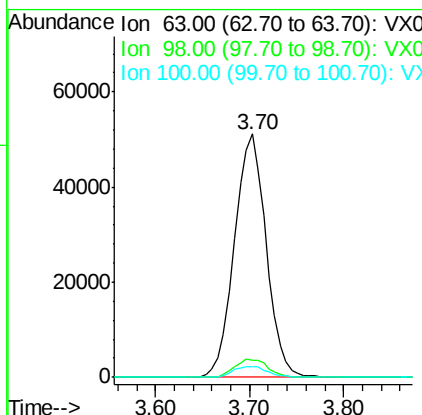
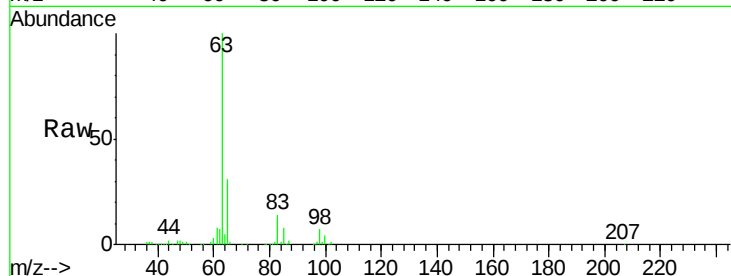
ClientSampled :

VX0514WBSD01

Tot Ion:	63	Resp:	120155
Ion Ratio		Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.4	2.5	7.4

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#22

cis-1,2-Dichloroethene

Concen: 21.33 ug/l

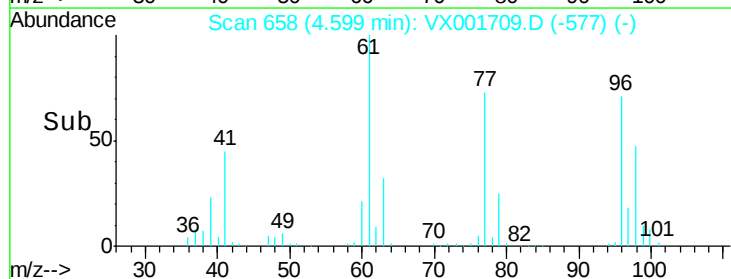
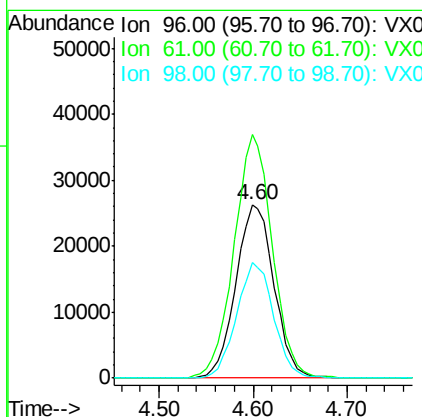
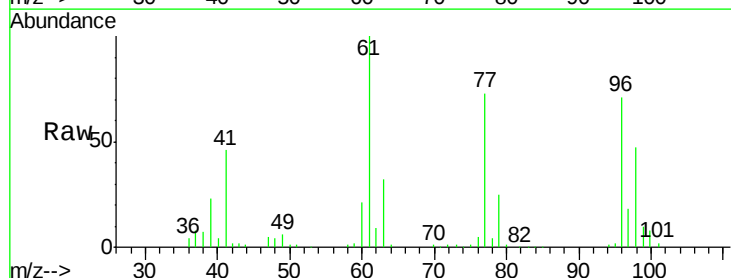
RT: 4.60 min Scan# 658

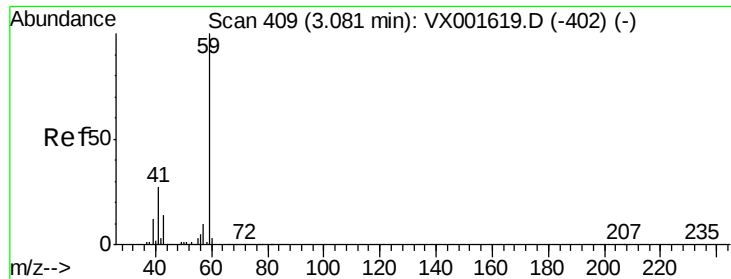
Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	96	Resp:	74293
Ion Ratio		Lower	Upper
96	100		
61	140.9	117.3	175.9
98	64.8	51.2	76.8





#23

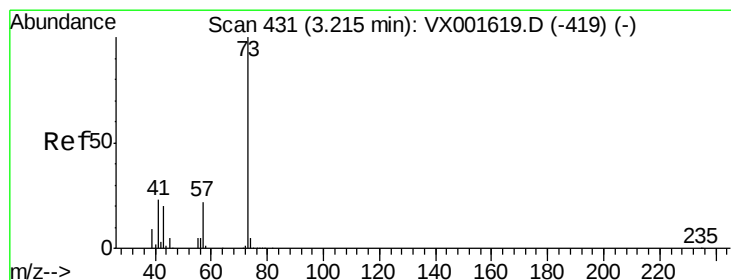
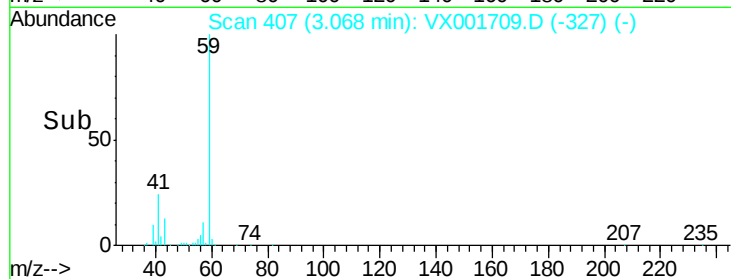
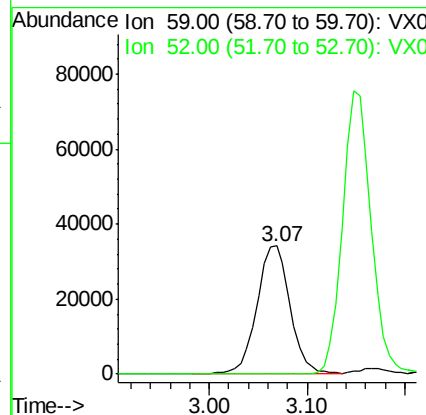
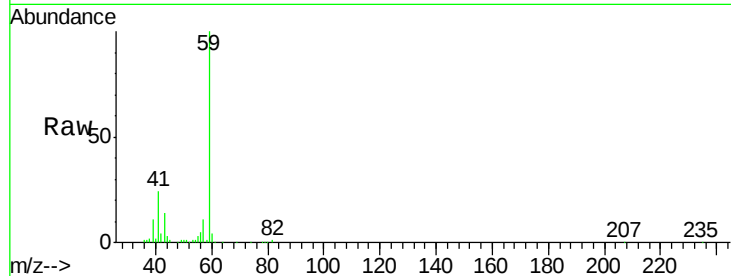
tert-Butyl Alcohol
 Concen: 94.34 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion: 59 Resp: 81124
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

Manual Integrations
 APPROVED

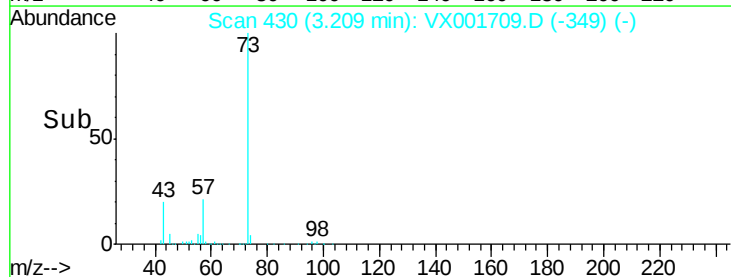
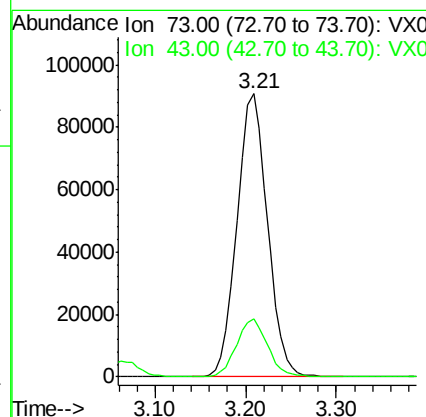
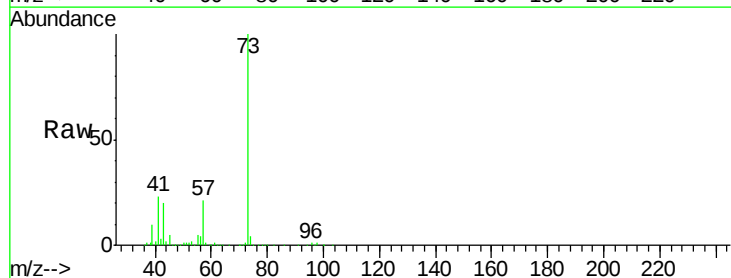
apatel
 5/16/2018 6:19:06 PM

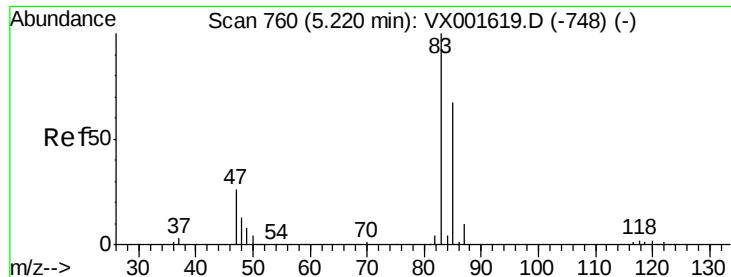


#24

Methyl tert-Butyl Ether
 Concen: 20.50 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion: 73 Resp: 211993
 Ion Ratio Lower Upper
 73 100
 43 20.1 16.3 24.5





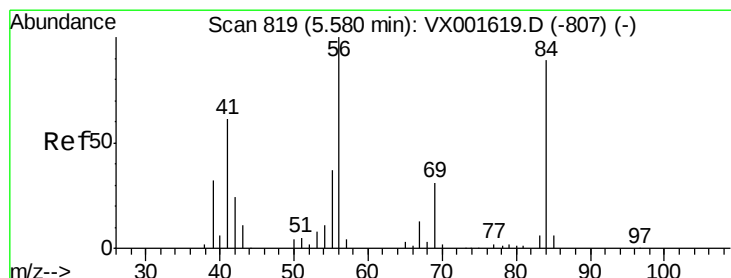
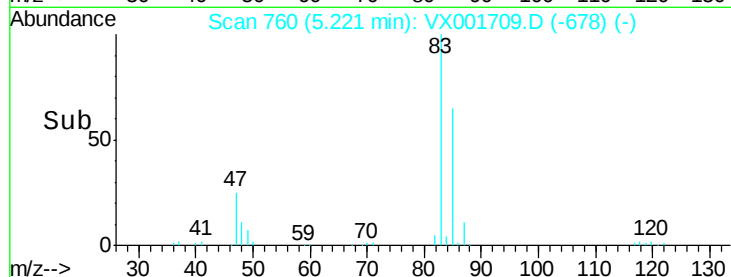
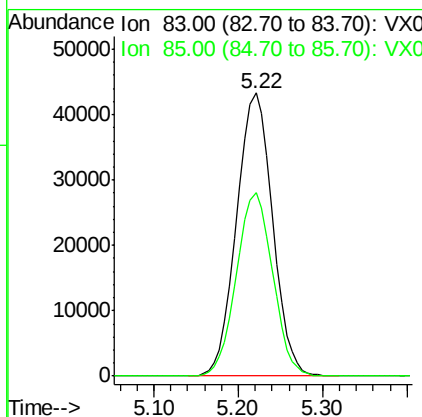
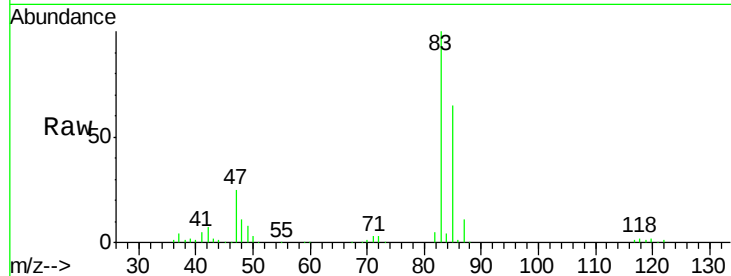
#25
Chloroform
Concen: 20.91 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	83	Resp	125633
Ion Ratio	100	Lower	Upper
85	64.7	53.9	80.9

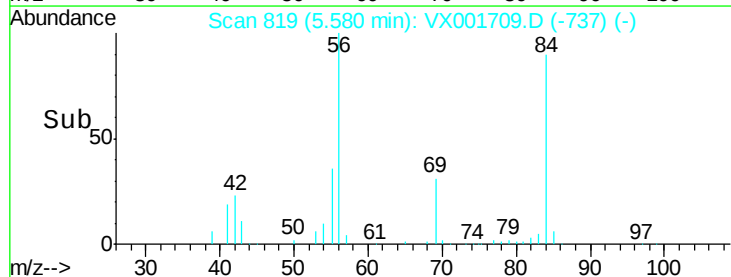
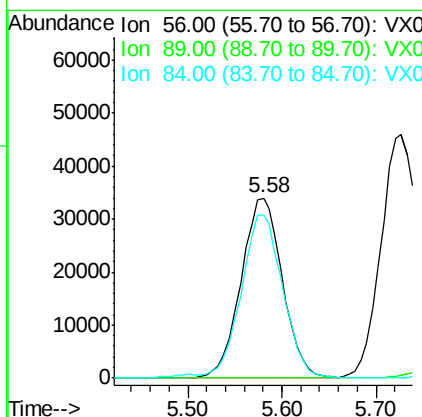
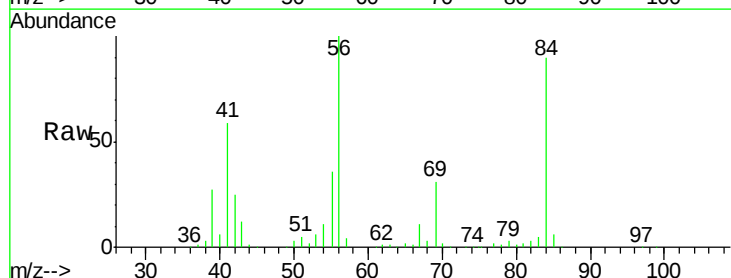
Manual Integrations
APPROVED

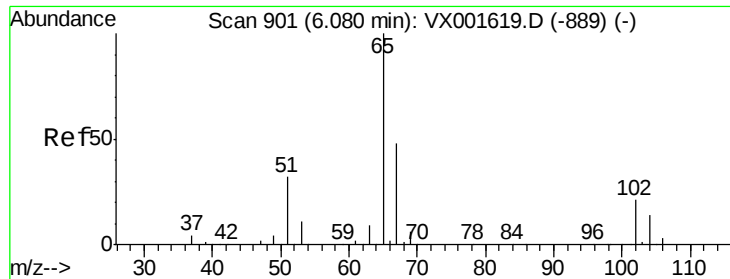
apatel
5/16/2018 6:19:06 PM



#26
Cyclohexane
Concen: 24.54 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	56	Resp	104429
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	90.9	72.2	108.4





#27

1,2-Dichloroethane-d4

Concen: 28.73 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 65 Resp: 128870

Ion Ratio Lower Upper

65 100

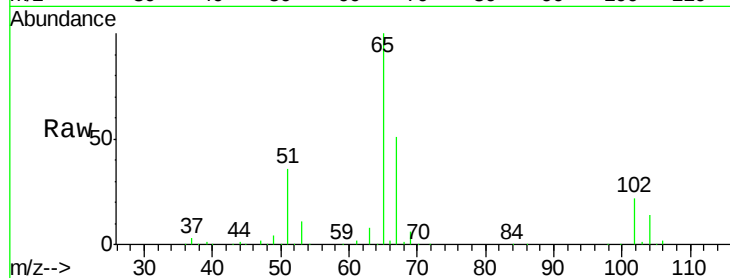
67 51.2 40.2 60.2

Manual Integrations

APPROVED

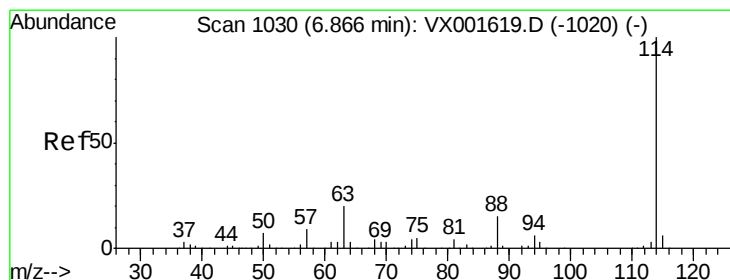
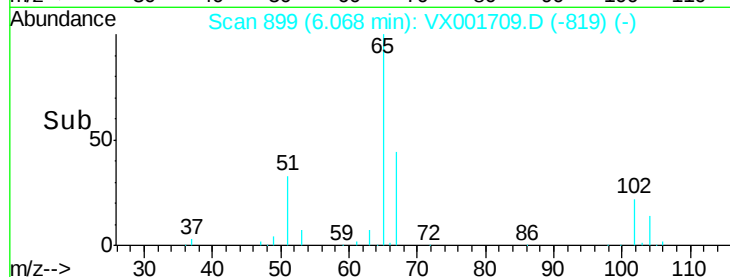
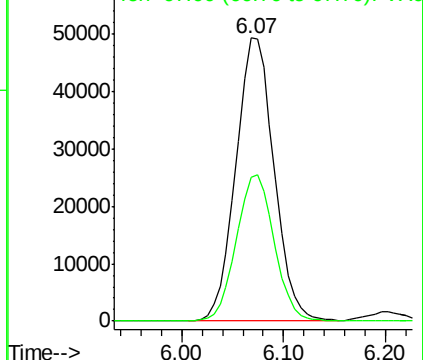
apatel

5/16/2018 6:19:06 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

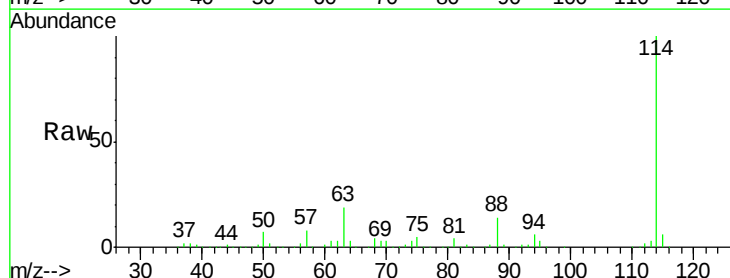
Tgt Ion: 114 Resp: 317753

Ion Ratio Lower Upper

114 100

63 19.1 15.5 23.3

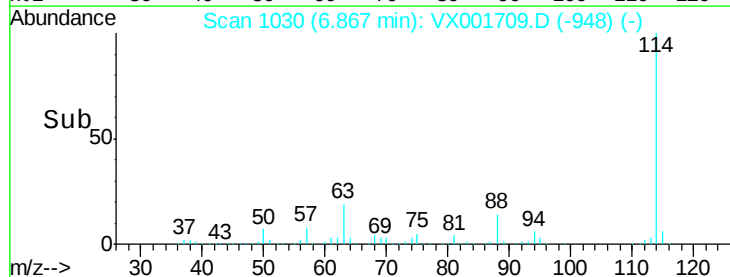
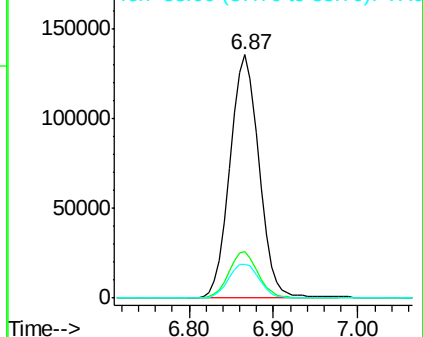
88 14.7 12.2 18.4

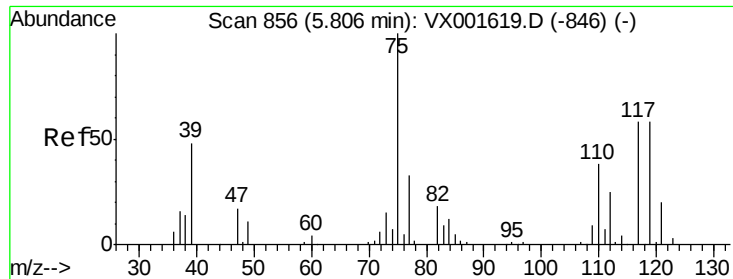


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





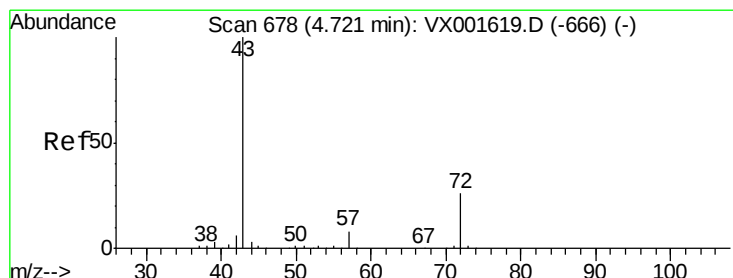
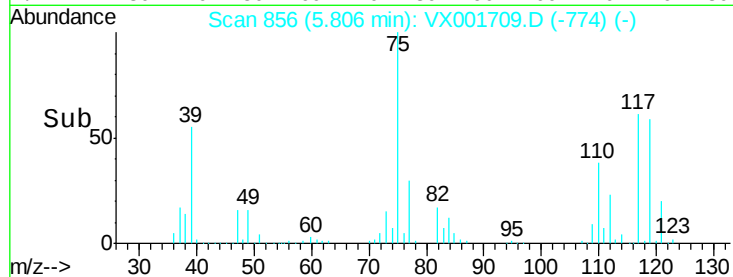
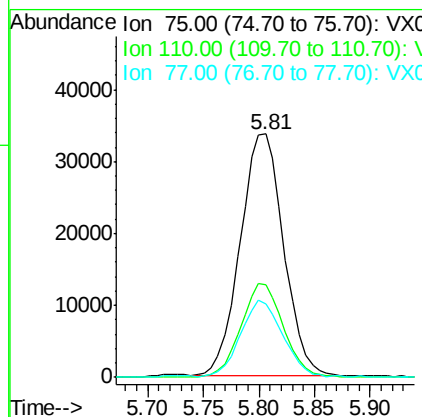
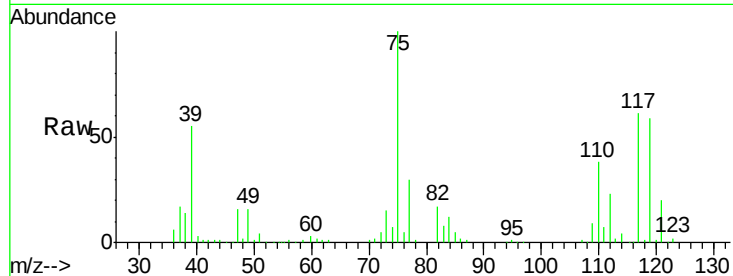
#29
 1,1-Dichloropropene
 Concen: 22.78 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.1	0.0	74.6
77	30.5	0.0	62.4

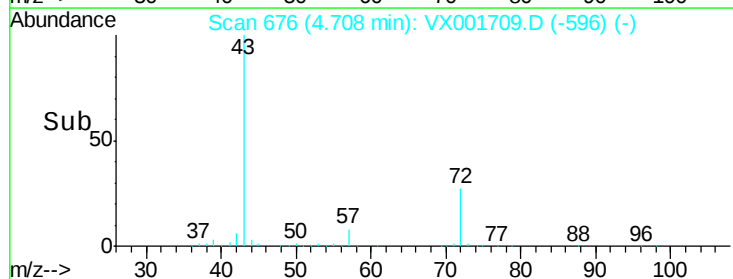
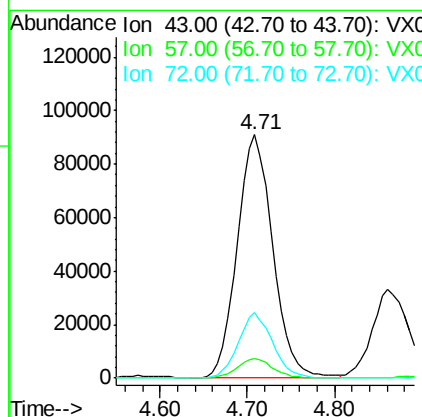
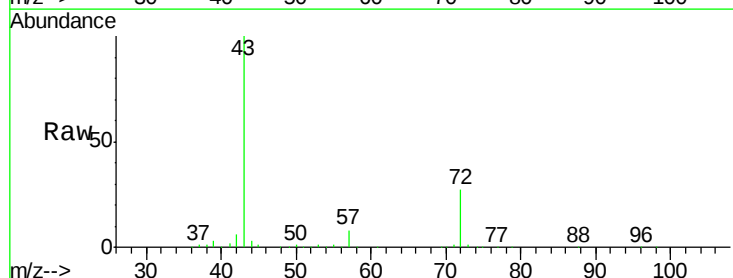
Manual Integrations
 APPROVED

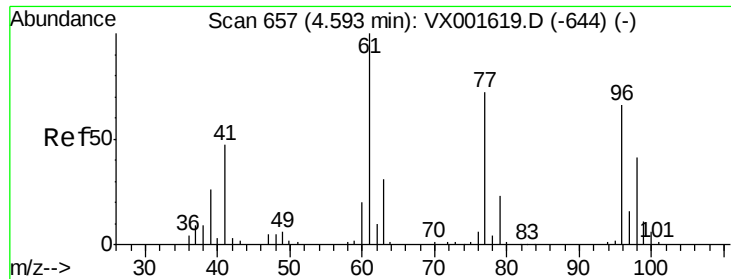
apatel
 5/16/2018 6:19:06 PM



#30
 2-Butanone
 Concen: 97.54 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.3	9.5
72	26.0	20.2	30.4





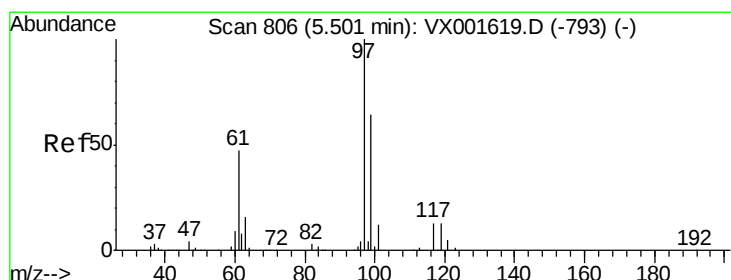
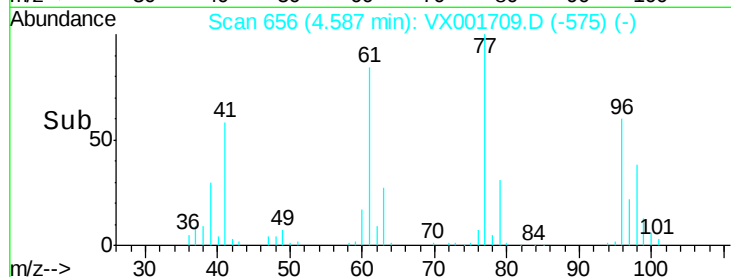
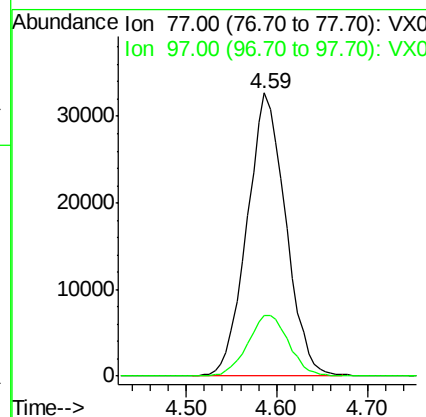
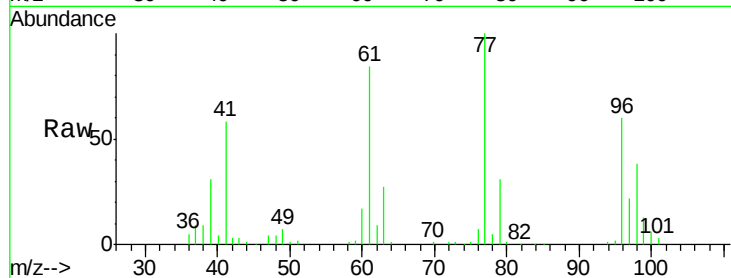
#31
 2,2-Dichloropropane
 Concen: 28.09 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion: 77 Resp: 96407
 Ion Ratio Lower Upper
 77 100
 97 22.8 19.3 28.9

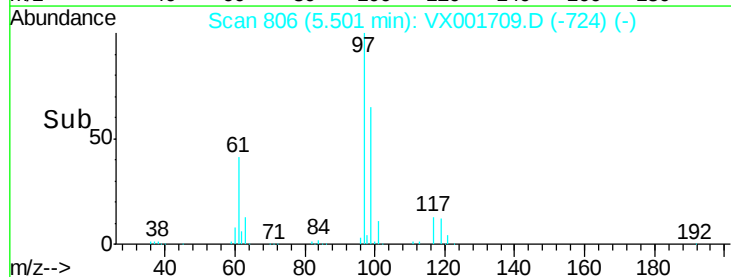
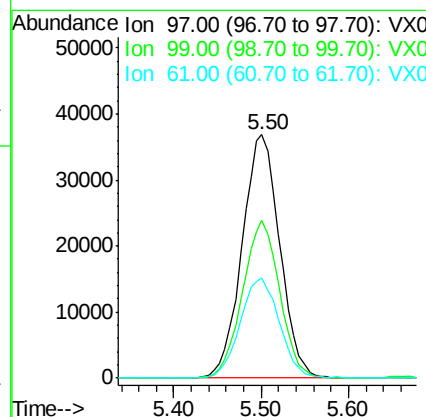
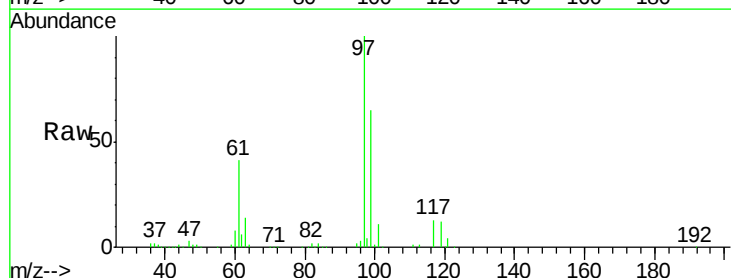
Manual Integrations
 APPROVED

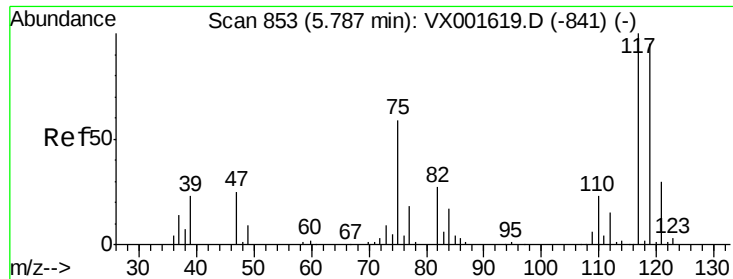
apatel
 5/16/2018 6:19:06 PM



#32
 1,1,1-Trichloroethane
 Concen: 21.73 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion: 97 Resp: 110320
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.7 77.5
 61 42.5 35.6 53.4





#33

Carbon Tetrachloride

Concen: 22.07 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

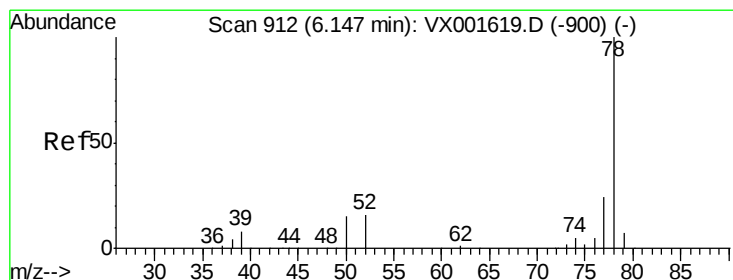
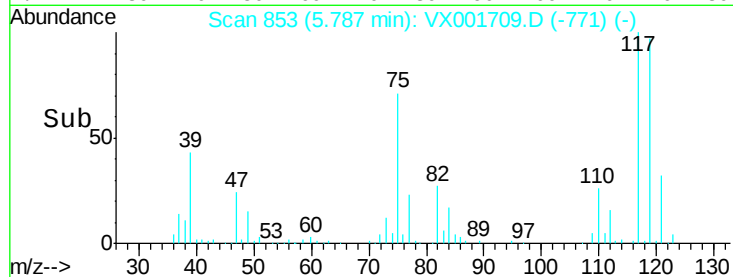
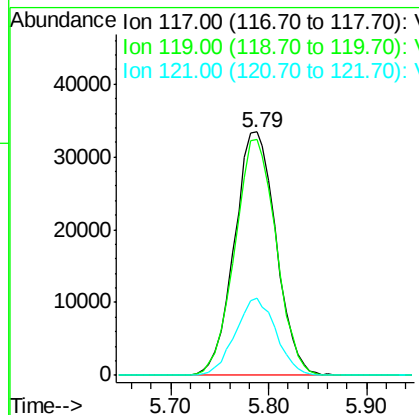
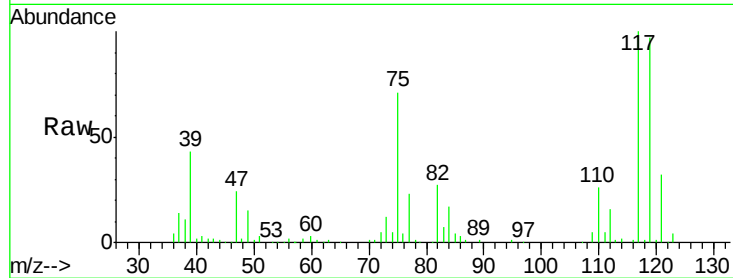
ClientSampleId :

VX0514WBSD01

Tot Ion:117 Resp: 98700
 Ion Ratio Lower Upper
 117 100
 119 96.6 75.7 113.5
 121 31.9 24.3 36.5

Manual Integrations
 APPROVED

apatel
 5/16/2018 6:19:06 PM



#34

Benzene

Concen: 21.53 ug/l

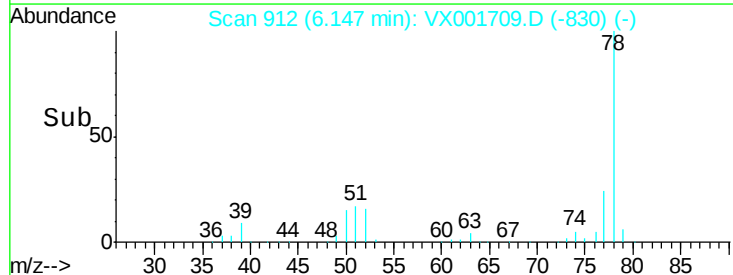
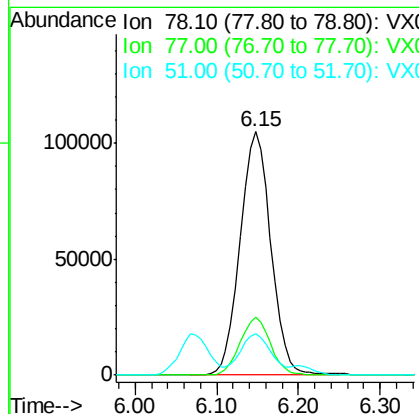
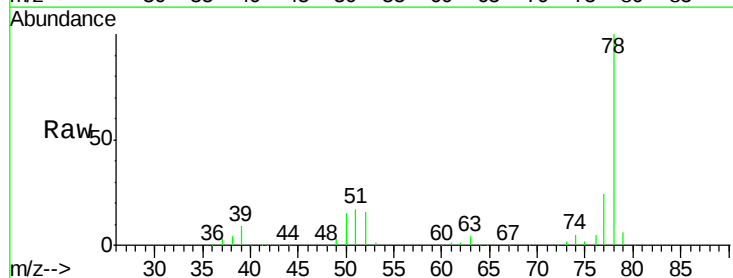
RT: 6.15 min Scan# 912

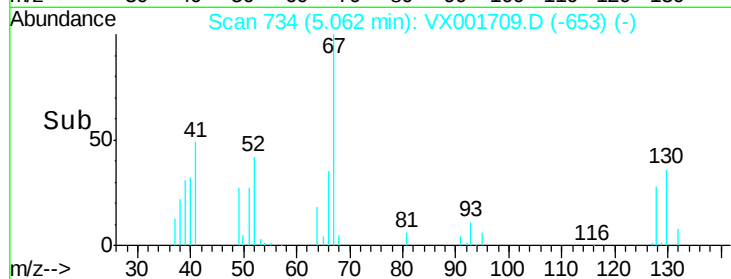
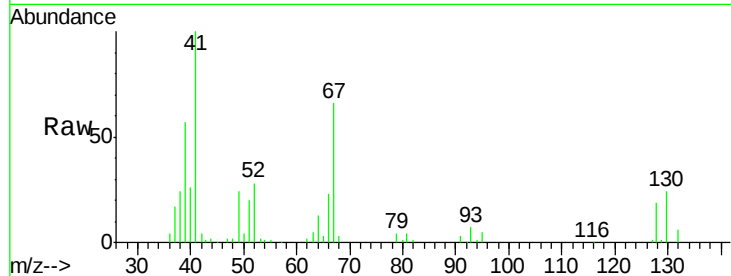
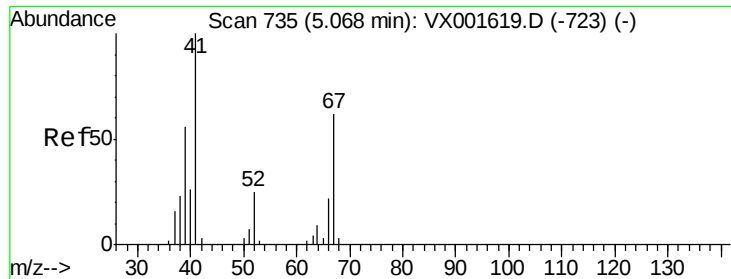
Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion: 78 Resp: 274849
 Ion Ratio Lower Upper
 78 100
 77 23.7 18.8 28.2
 51 16.6 13.5 20.3





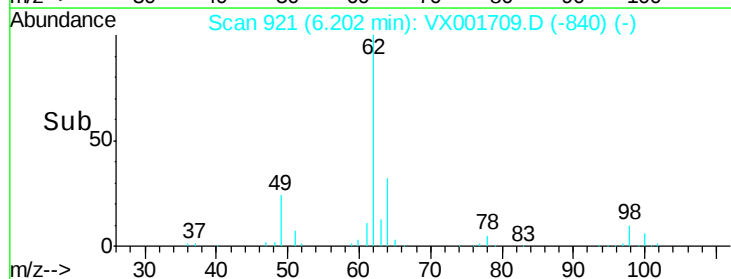
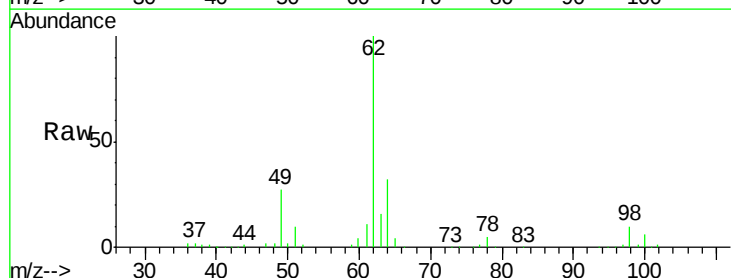
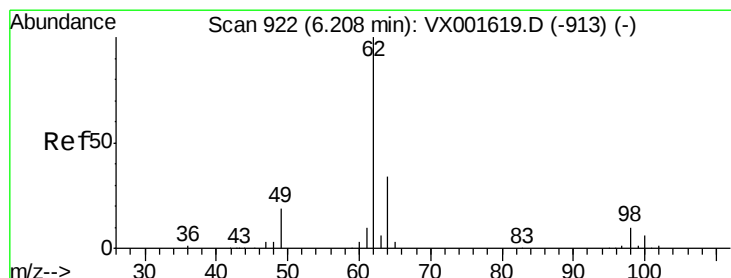
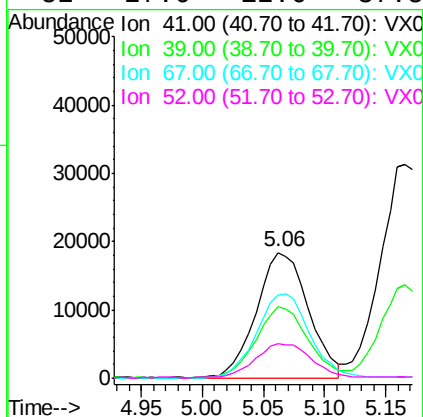
#35
Methacrylonitrile
Concen: 19.04 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	56.8	27.9	83.6	
67	66.6	30.9	92.5	
52	27.6	12.6	37.8	

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

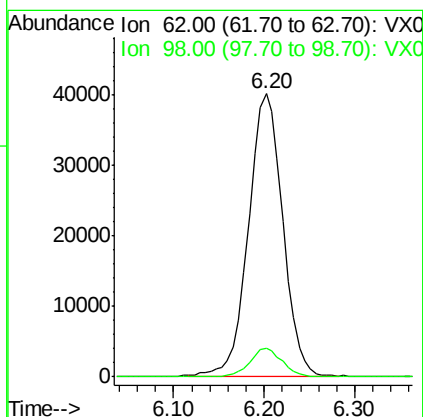
Manual Integrations
APPROVED

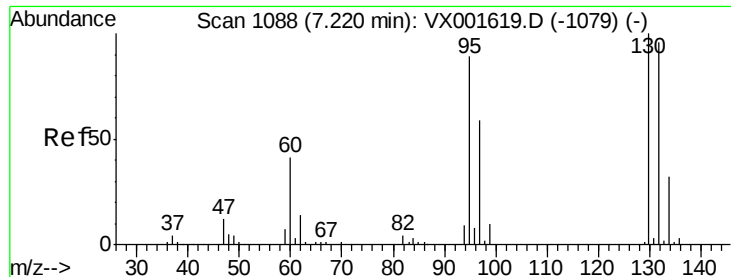
apatel
5/16/2018 6:19:06 PM



#36
1,2-Dichloroethane
Concen: 20.74 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.7	7.7	11.5	





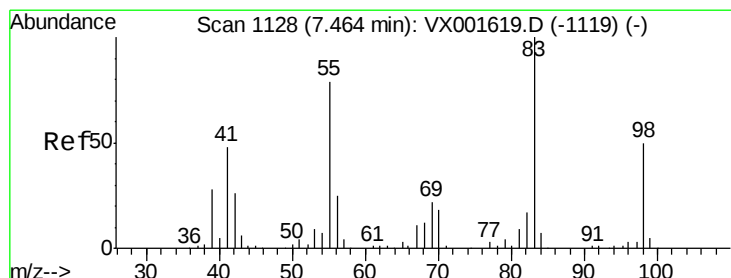
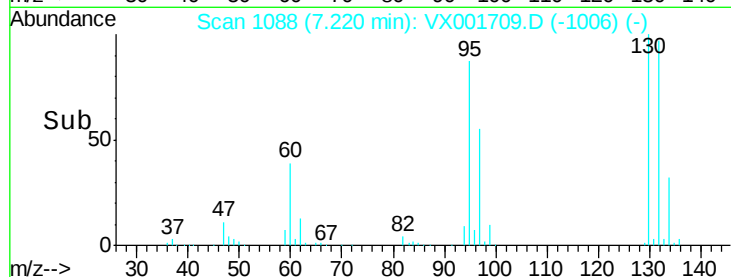
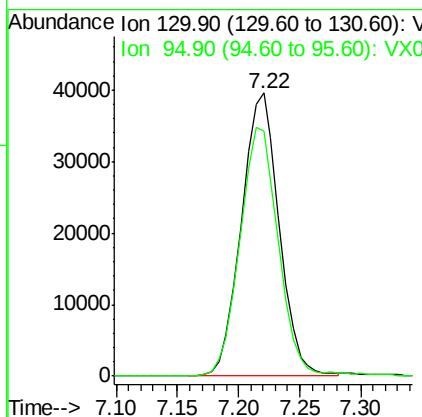
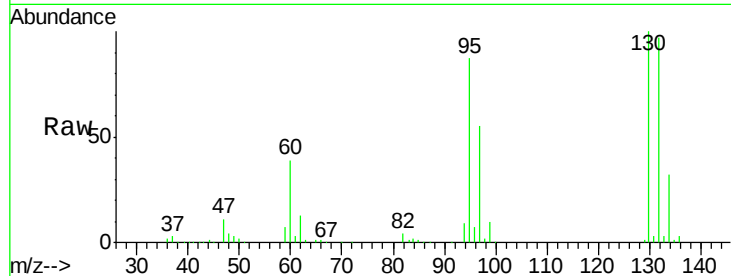
#37
 Trichloroethene
 Concen: 22.58 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX0514WBSD01

Tot Ion:130 Resp: 84939
 Ion Ratio Lower Upper
 130 100
 95 86.5 71.4 107.2

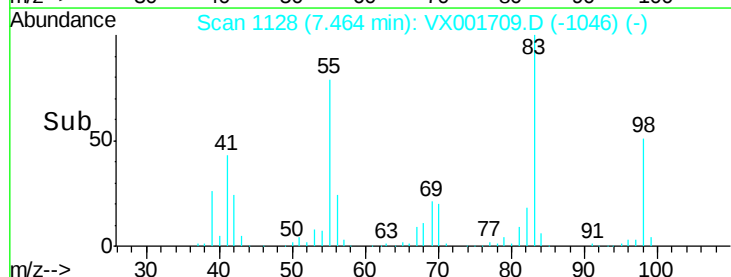
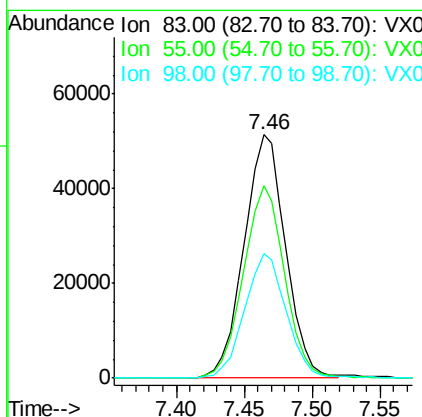
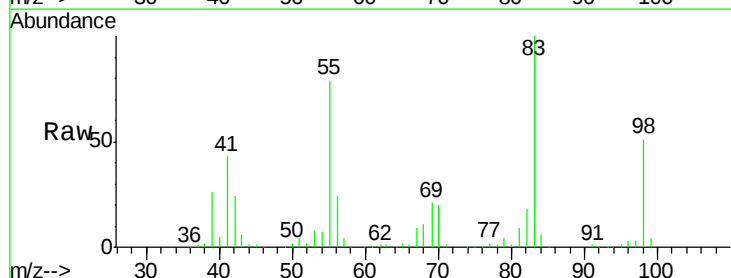
Manual Integrations
 APPROVED

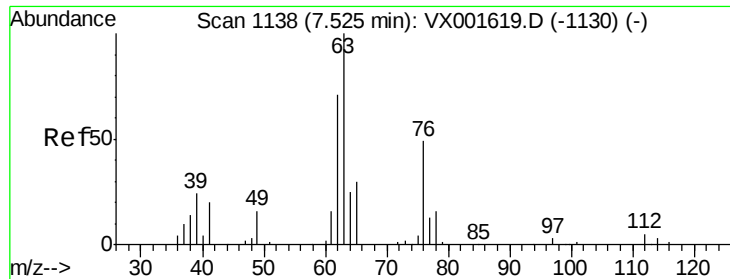
apatel
 5/16/2018 6:19:06 PM



#38
 Methylcyclohexane
 Concen: 25.76 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion: 83 Resp: 109965
 Ion Ratio Lower Upper
 83 100
 55 78.4 39.6 118.7
 98 51.0 25.0 75.0





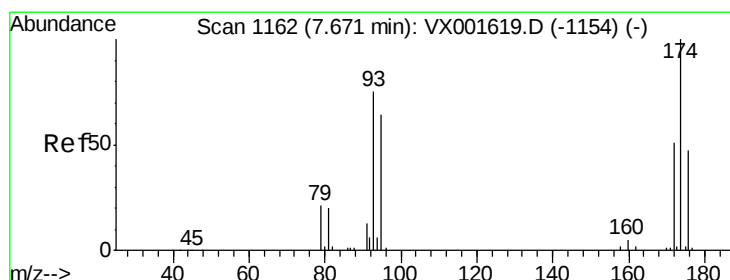
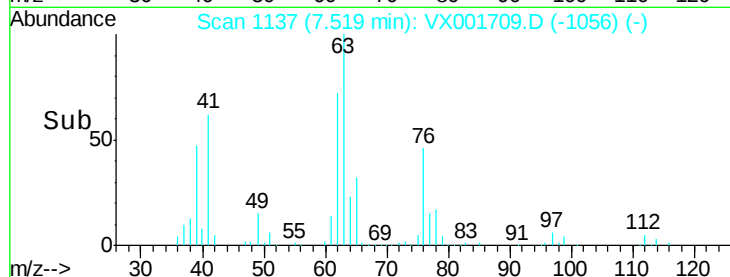
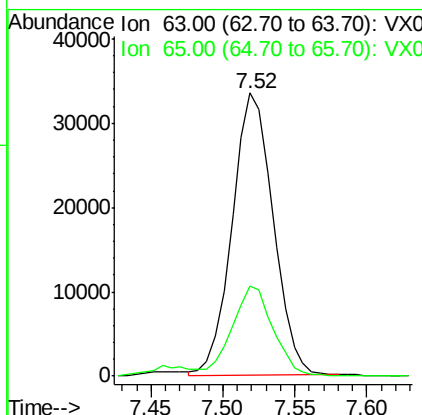
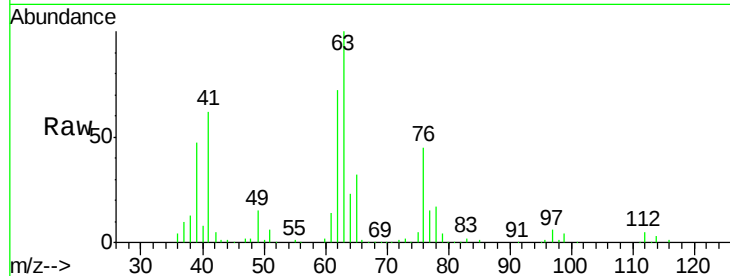
#39
 1,2-Dichloropropane
 Concen: 20.80 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion: 63 Resp: 66567
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.3 37.9

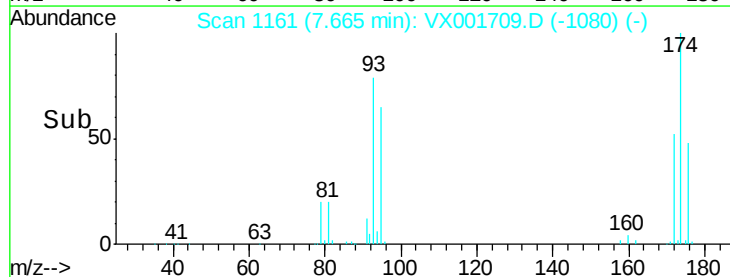
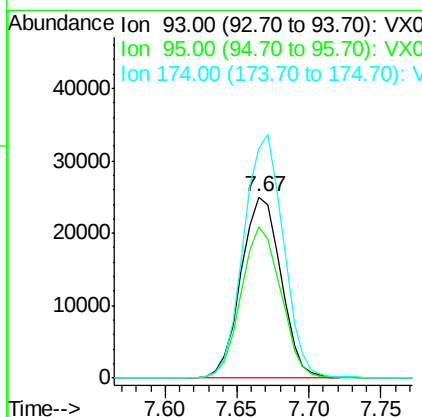
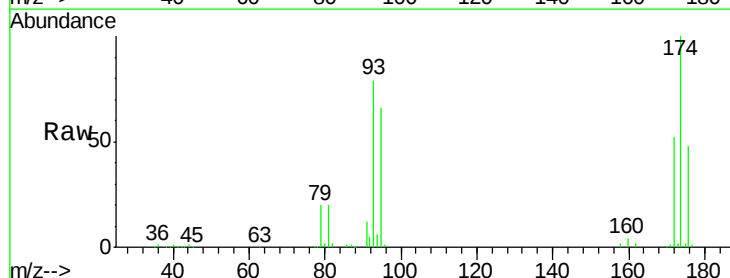
Manual Integrations
 APPROVED

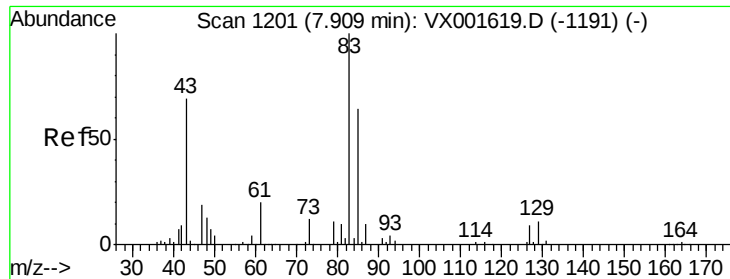
apatel
 5/16/2018 6:19:06 PM



#40
 Dibromomethane
 Concen: 20.96 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion: 93 Resp: 48054
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 166.2
 174 133.3 0.0 259.2





#41

Bromodichloromethane

Concen: 20.93 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tot Ion:	83	Resp:	90297
Ion Ratio	Lower	Upper	
83	100		
85	67.0	51.3	76.9
127	10.1	7.5	11.3

Instrument :

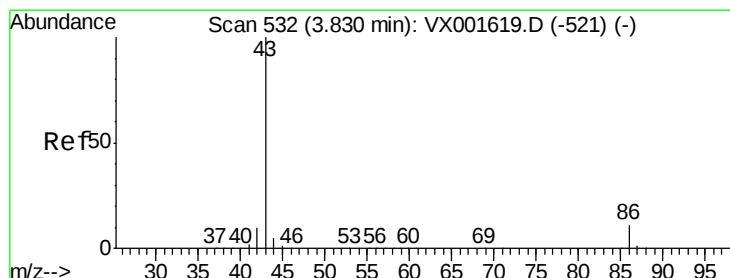
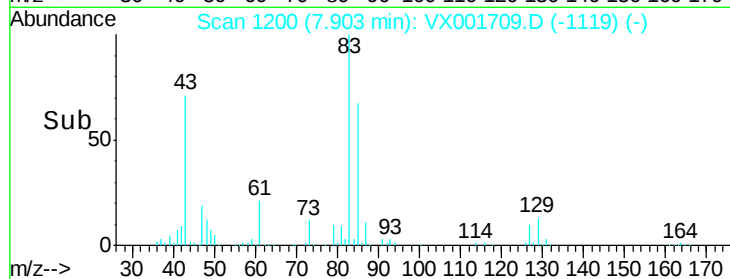
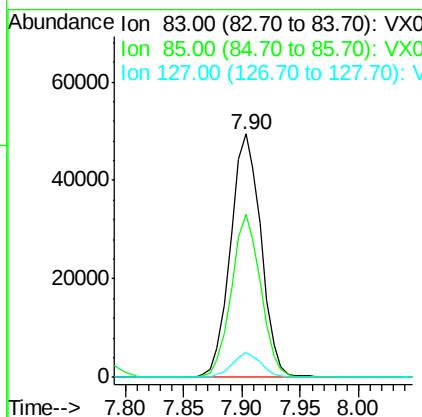
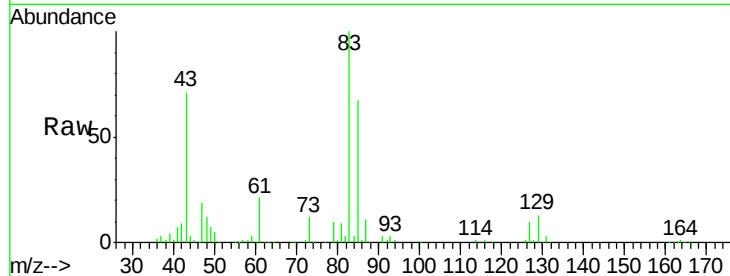
MSVOA_X

ClientSampleId :

VX0514WBSD01

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#42

Vinyl Acetate

Concen: 107.17 ug/l

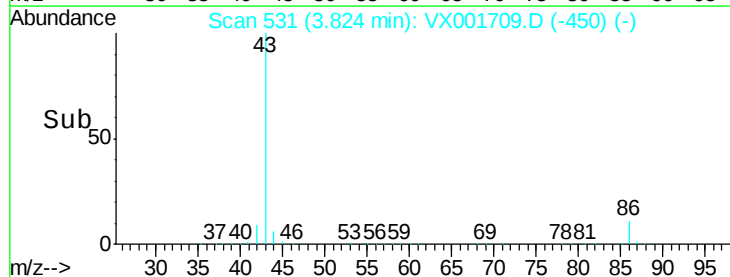
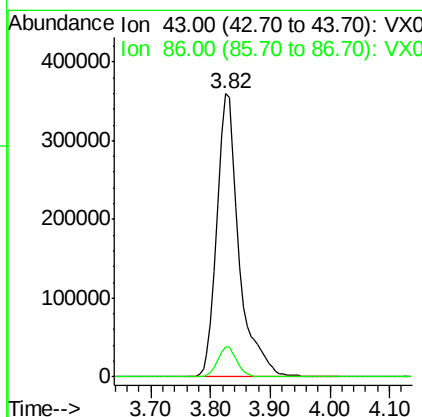
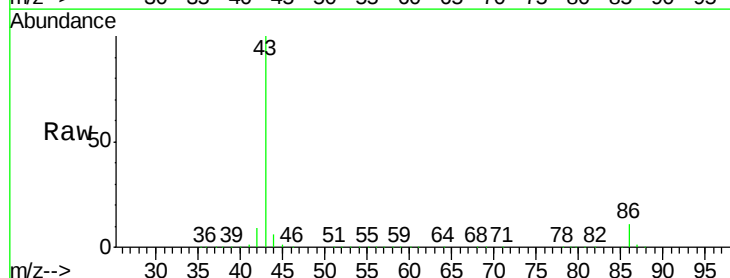
RT: 3.82 min Scan# 531

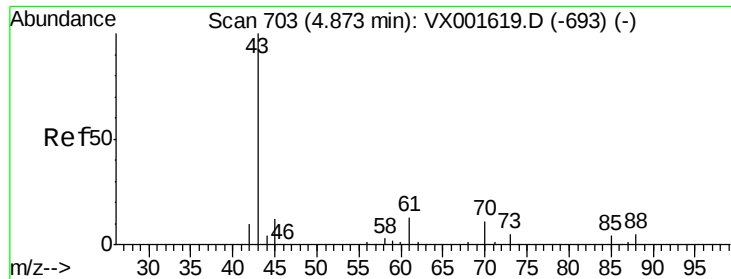
Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	43	Resp:	931143
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2





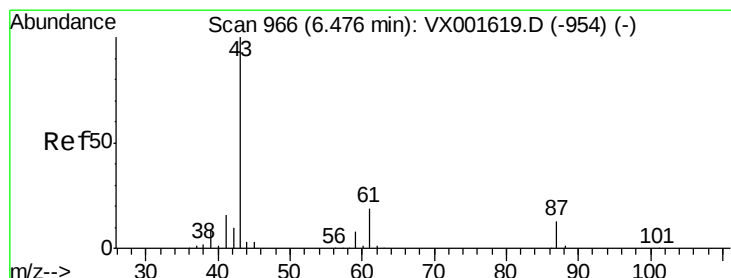
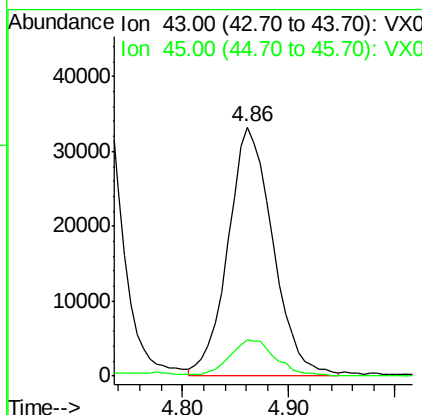
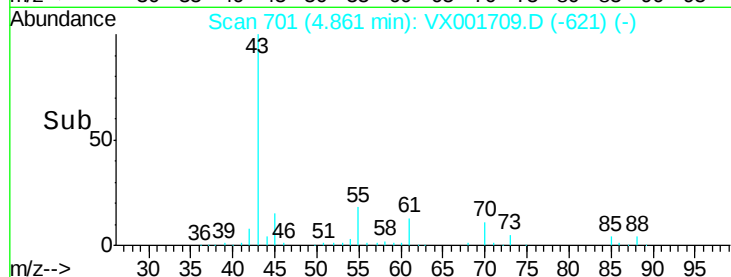
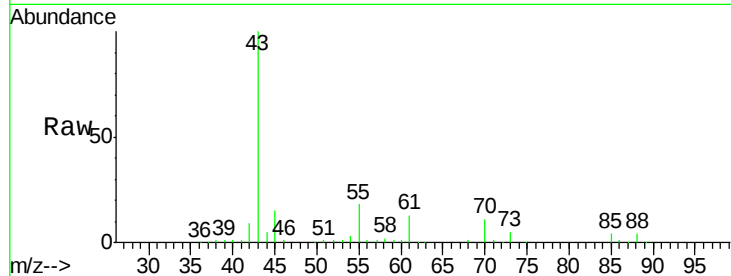
#43
Ethyl Acetate
Concen: 19.35 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 43 Resp: 97141
Ion Ratio Lower Upper
43 100
45 14.5 12.7 19.1

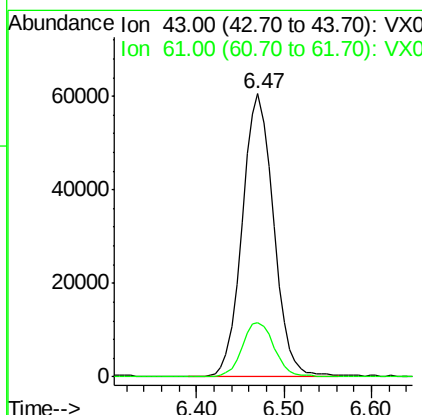
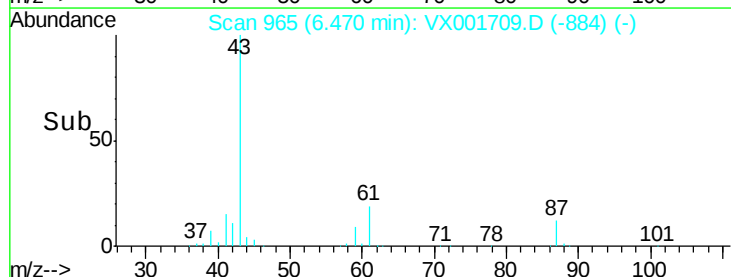
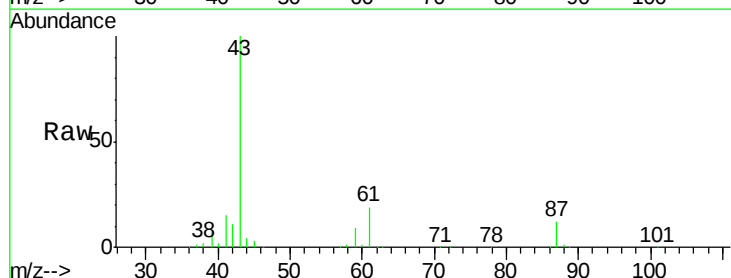
Manual Integrations
APPROVED

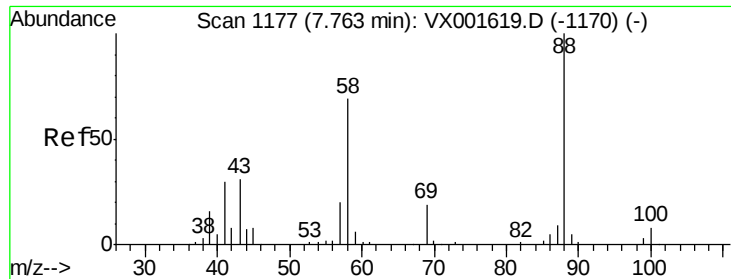
apatel
5/16/2018 6:19:06 PM



#44
Isopropyl Acetate
Concen: 19.61 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion: 43 Resp: 150772
Ion Ratio Lower Upper
43 100
61 19.6 15.1 22.7





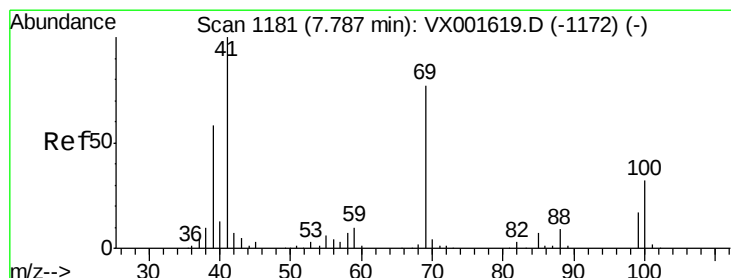
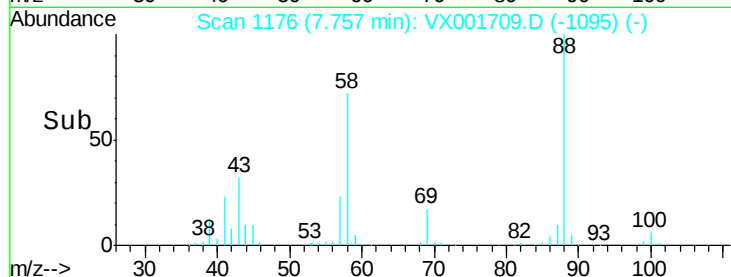
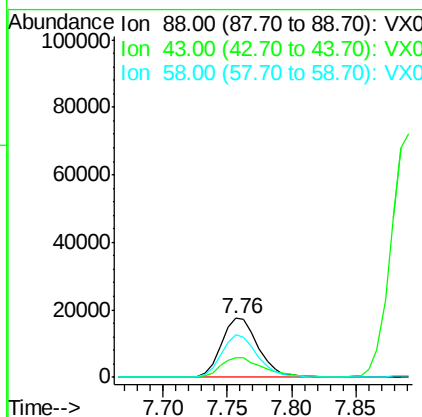
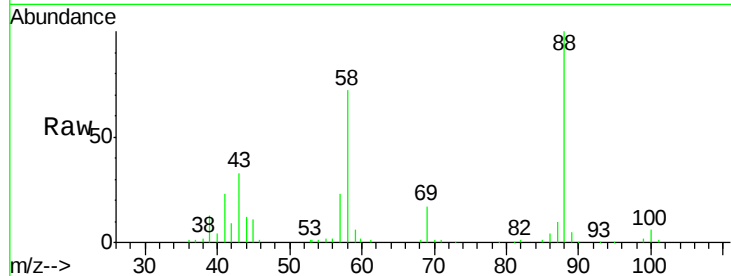
#45
1,4-Dioxane
Concen: 388.73 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.9	41.9
58	70.5	55.3	82.9

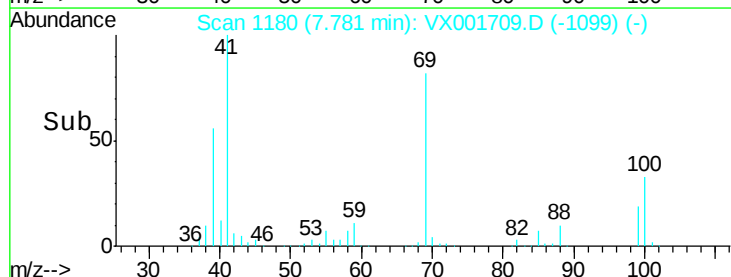
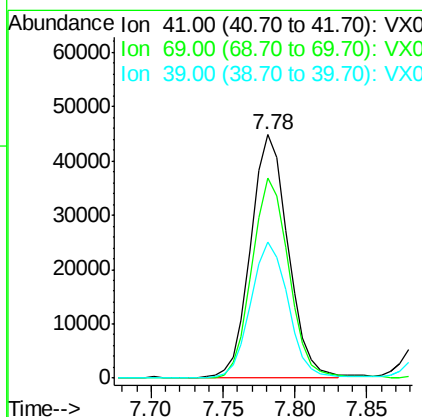
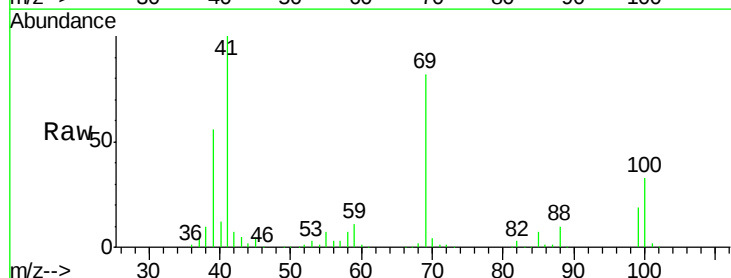
Manual Integrations
APPROVED

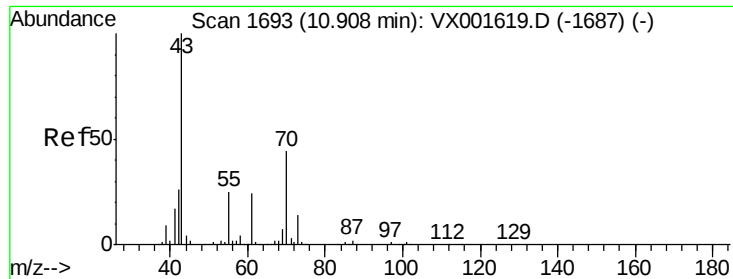
apatel
5/16/2018 6:19:06 PM



#46
Methyl methacrylate
Concen: 19.31 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	38.4	115.2
39	56.2	29.0	87.1





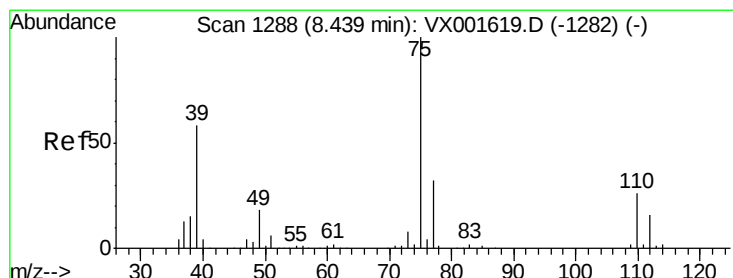
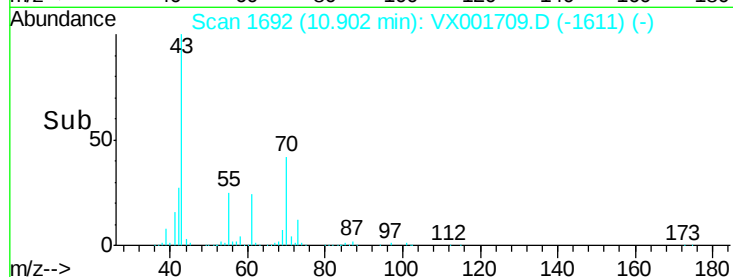
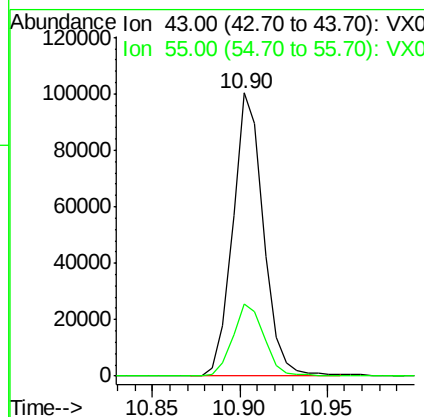
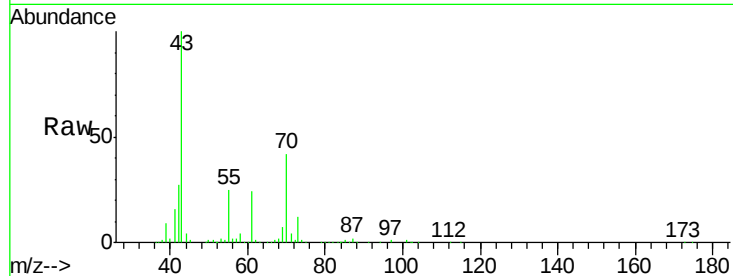
#47
n-amvl Acetate
Concen: 18.57 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 43 Resp: 121926
Ion Ratio Lower Upper
43 100
55 26.0 20.8 31.2

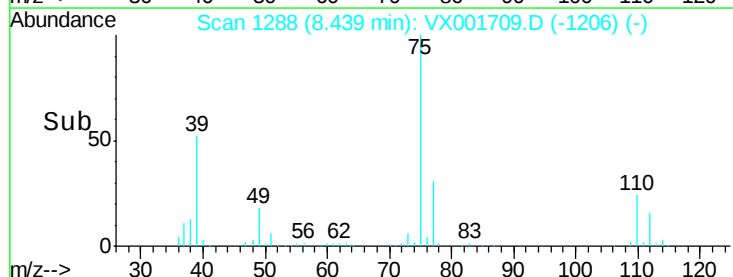
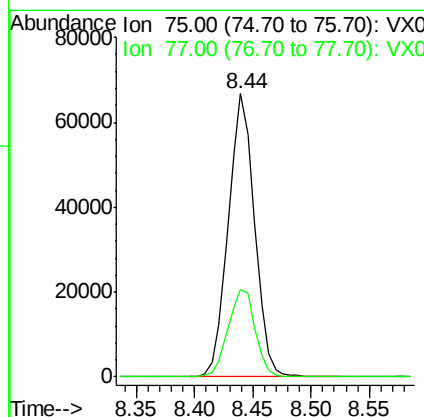
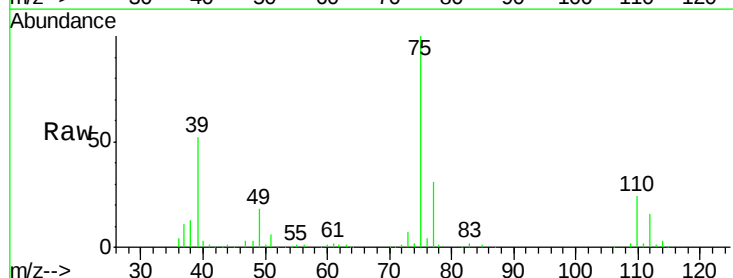
Manual Integrations
APPROVED

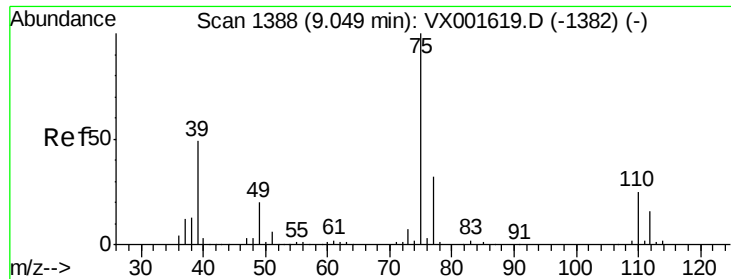
apatel
5/16/2018 6:19:06 PM



#48
t-1,3-Dichloropropene
Concen: 21.97 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion: 75 Resp: 104599
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3





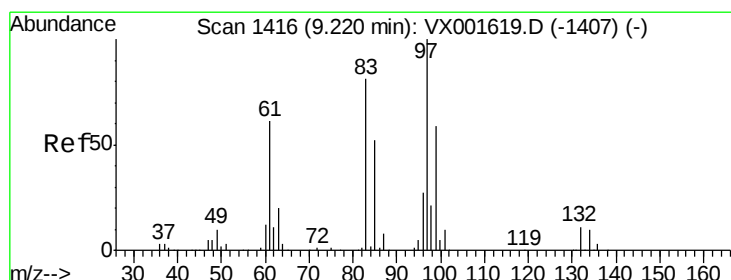
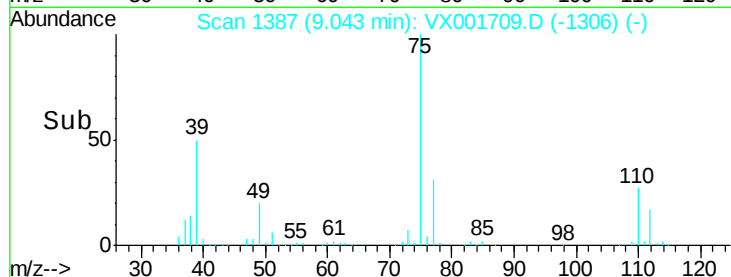
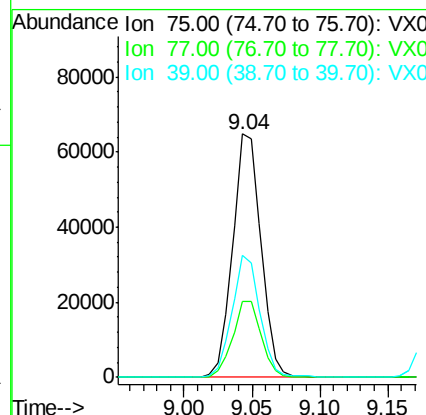
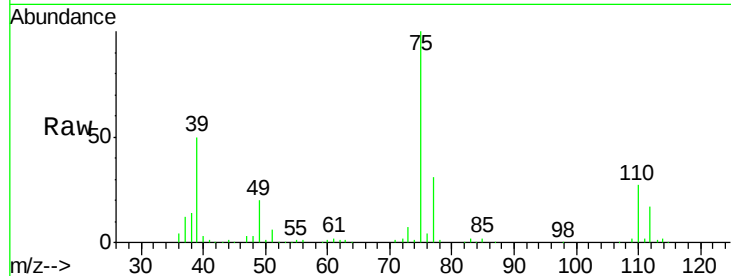
#49
 cis-1,3-Dichloropropene
 Concen: 22.32 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6
39	49.9	39.4	59.0

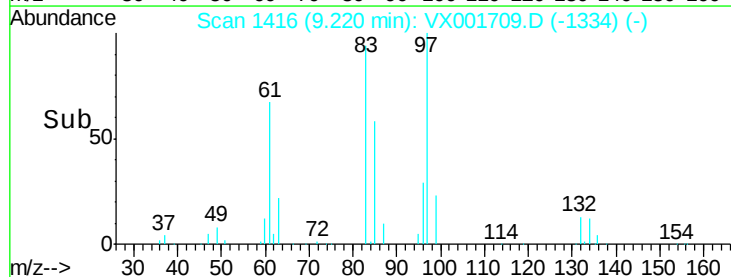
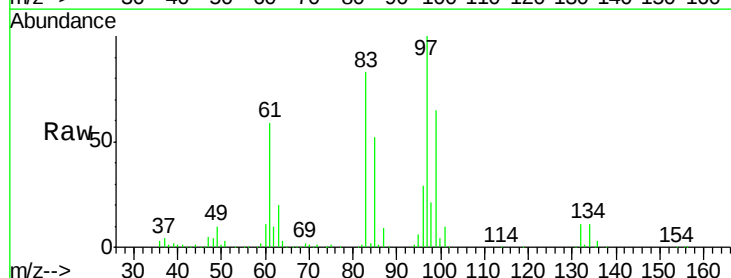
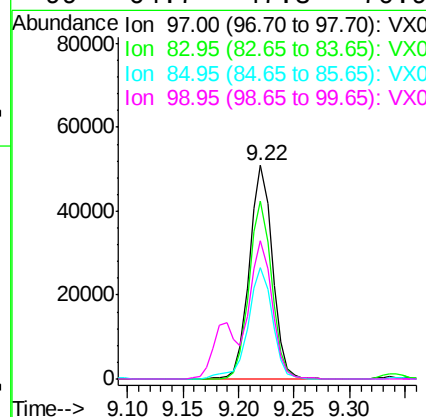
Manual Integrations
 APPROVED

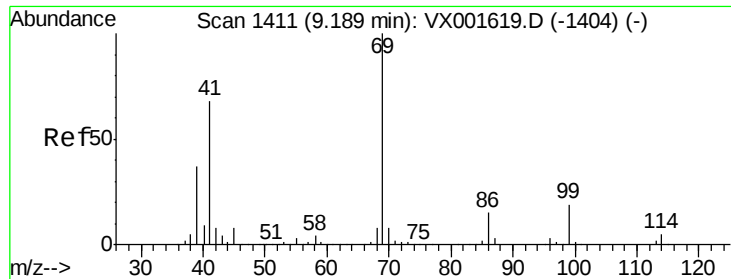
apatel
 5/16/2018 6:19:06 PM



#50
 1,1,2-Trichloroethane
 Concen: 21.67 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	65.0	97.6
85	52.0	41.5	62.3
99	64.7	47.3	70.9





#51

Ethyl methacrylate

Concen: 19.88 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

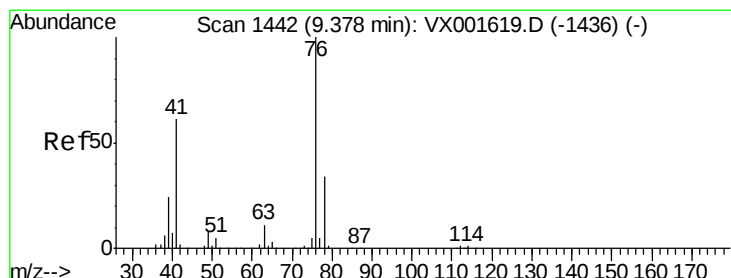
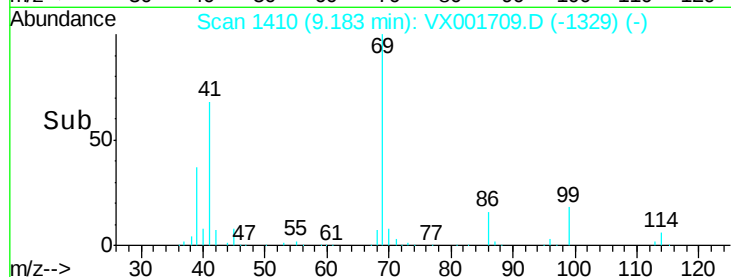
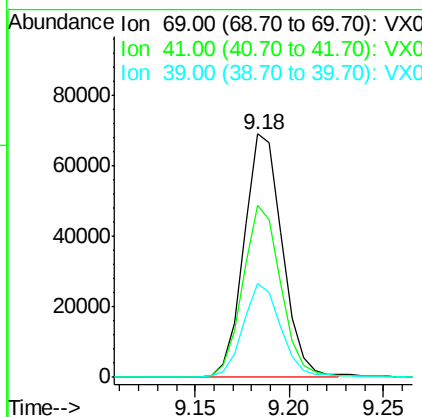
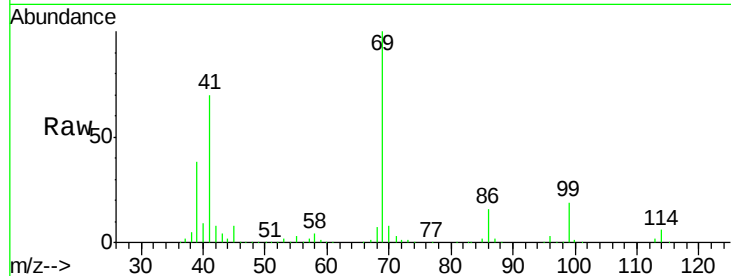
ClientSampleId :

VX0514WBSD01

Tot Ion:	69	Resp:	97314
Ion	Ratio	Lower	Upper
69	100		
41	70.3	33.9	101.6
39	38.2	18.4	55.2

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#52

1,3-Dichloropropane

Concen: 20.66 ug/l

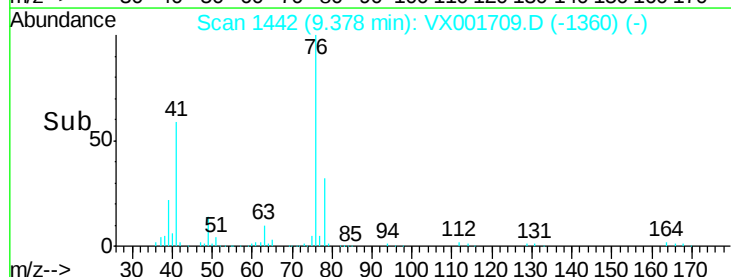
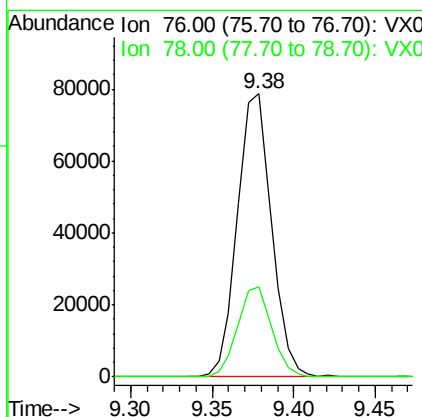
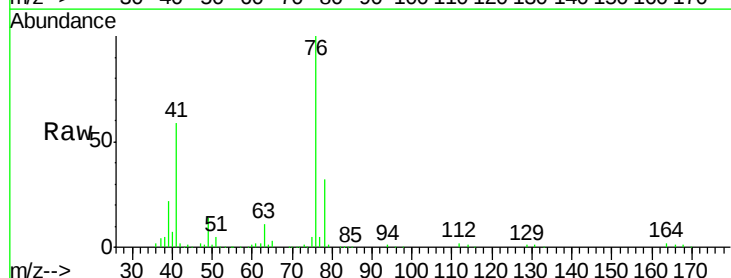
RT: 9.38 min Scan# 1442

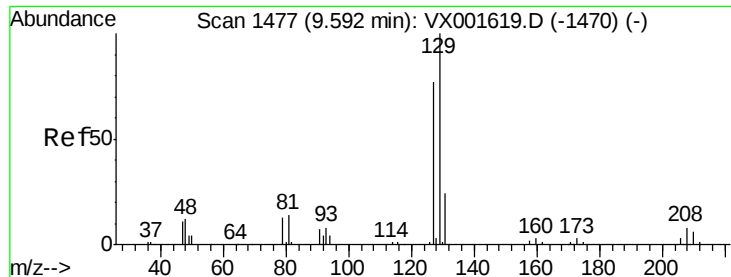
Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	76	Resp:	115555
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	65.8





#53

Dibromochloromethane

Concen: 20.35 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion:129 Resp: 71752

Ion Ratio Lower Upper

129 100

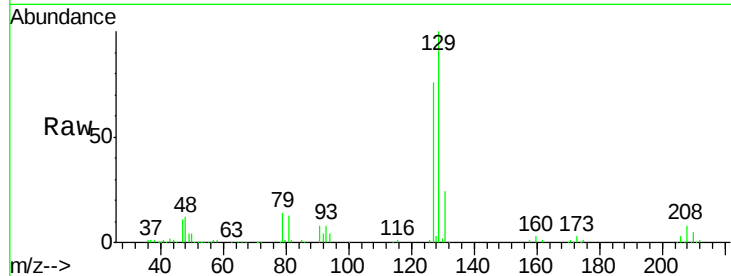
127 76.3 37.9 113.7

Manual Integrations

APPROVED

apatel

5/16/2018 6:19:06 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

60000

50000

40000

30000

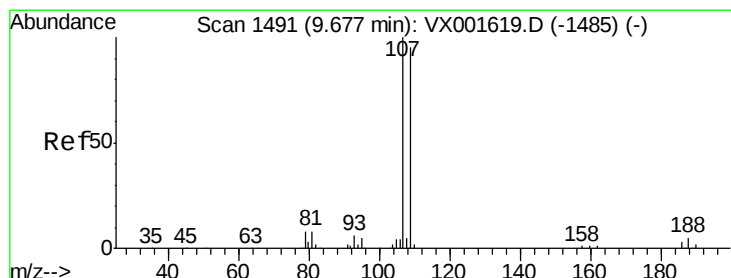
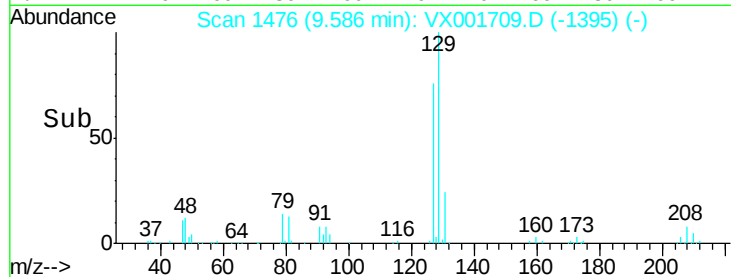
20000

10000

0

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 20.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001709.D

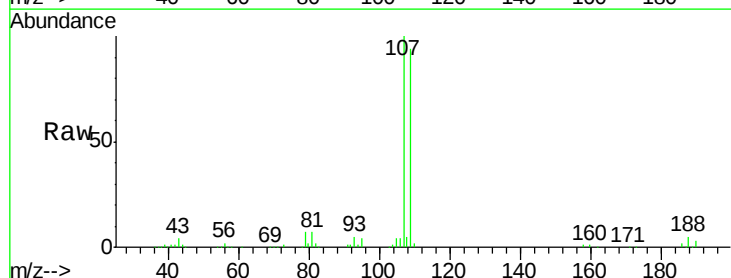
Acq: 14 May 2018 13:22

Tgt Ion:107 Resp: 74516

Ion Ratio Lower Upper

107 100

109 93.1 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.68

60000

50000

40000

30000

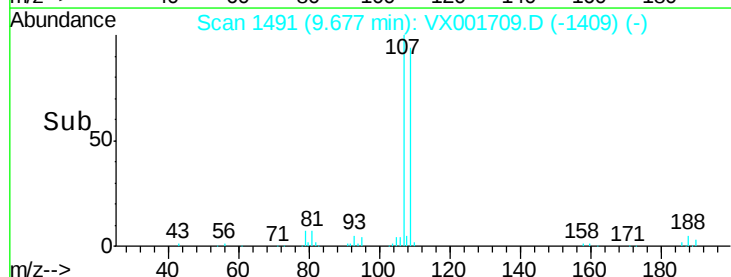
20000

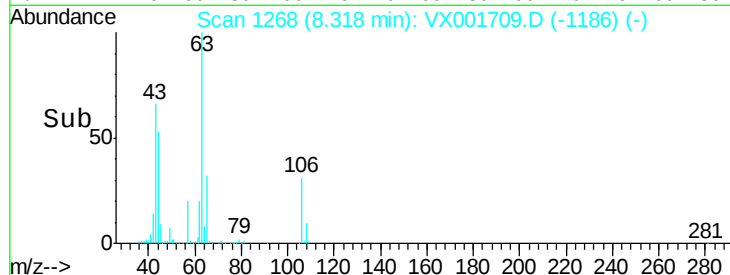
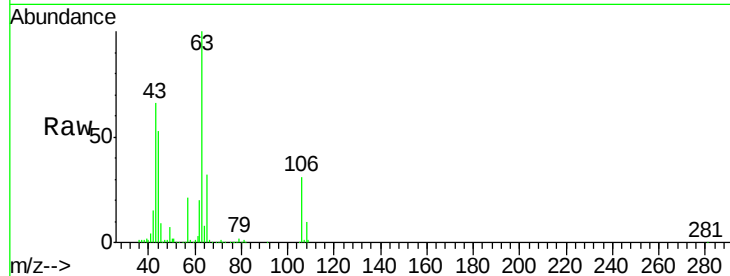
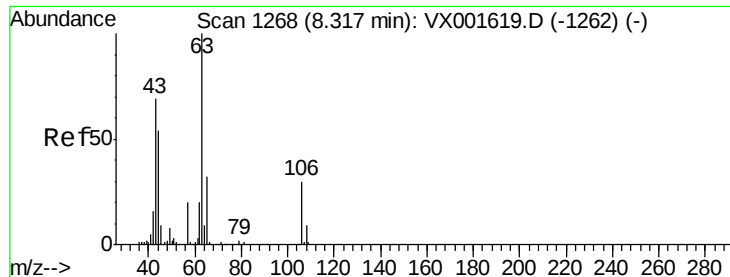
10000

0

9.60 9.65 9.70 9.75

Time-->





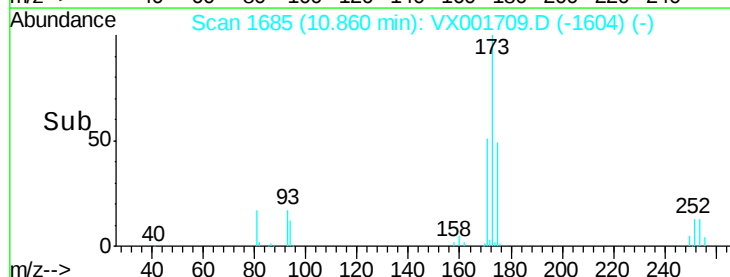
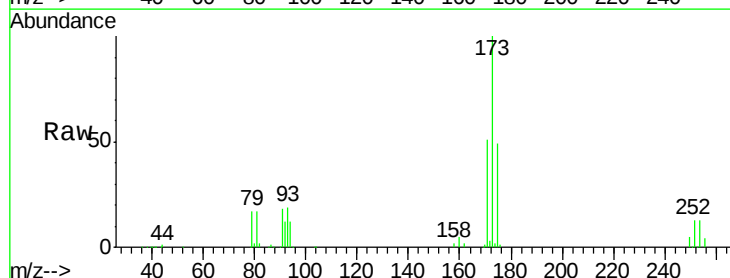
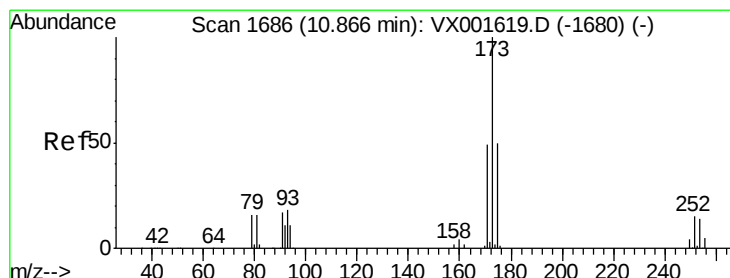
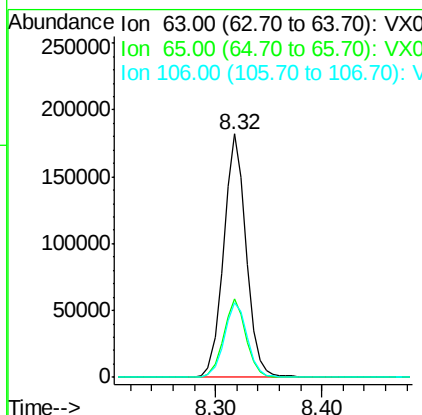
#55
2-Chloroethyl vinyl ether
Concen: 103.63 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.8
106	31.4	24.8	37.2

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

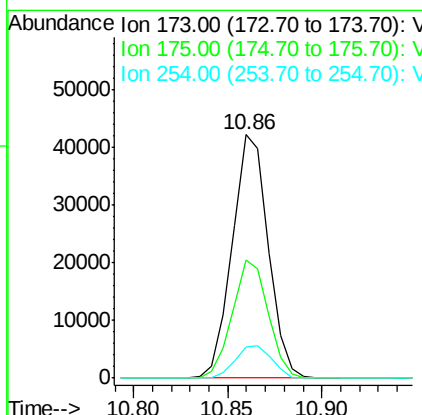
Manual Integrations
APPROVED

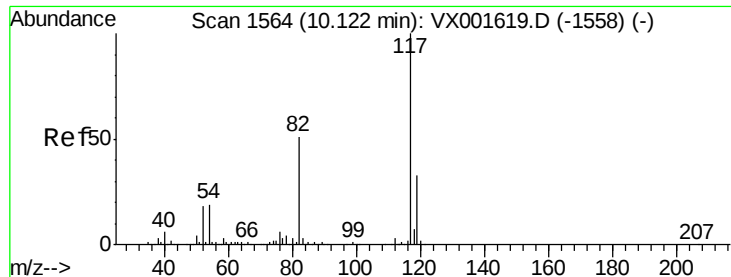
apatel
5/16/2018 6:19:06 PM



#56
Bromoform
Concen: 19.44 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.8	59.8
254	13.4	10.7	16.1





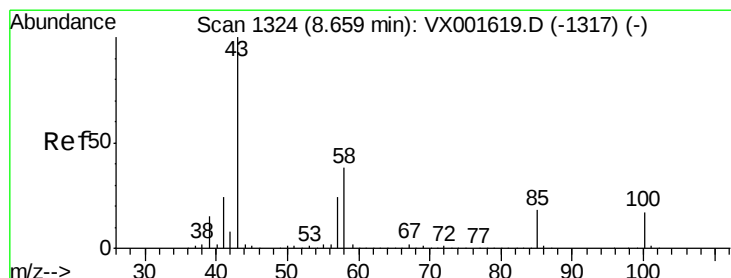
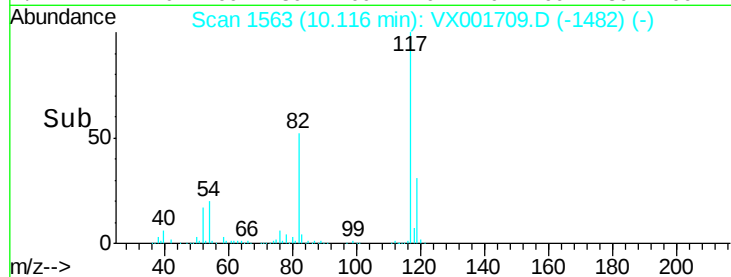
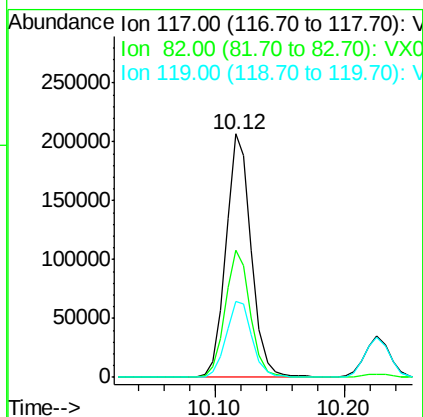
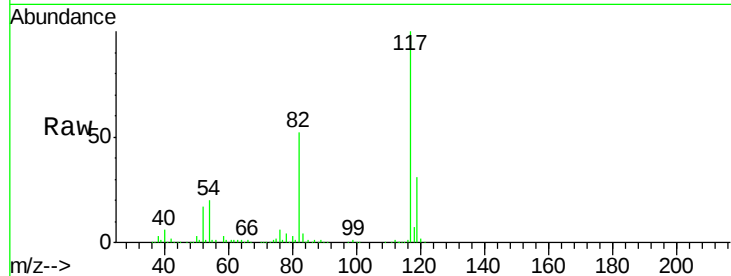
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284562		
82	51.8	42.2	63.2	
119	32.1	26.3	39.5	

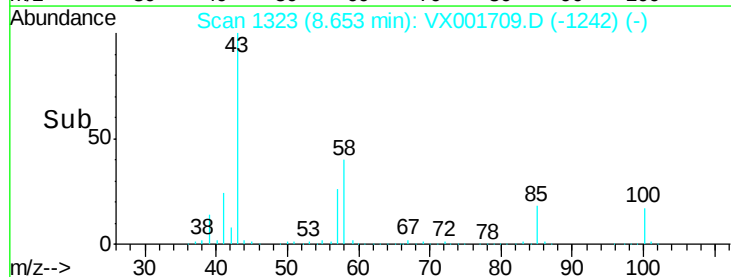
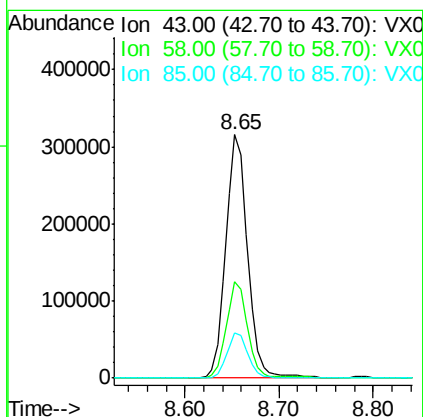
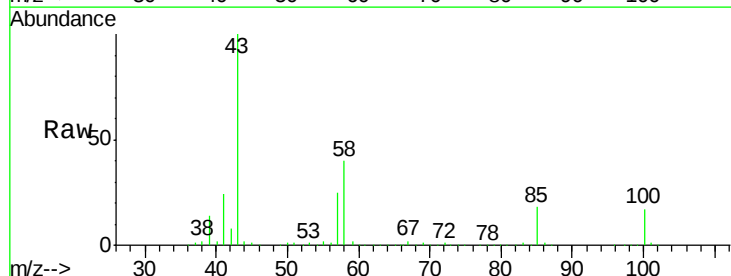
Manual Integrations
APPROVED

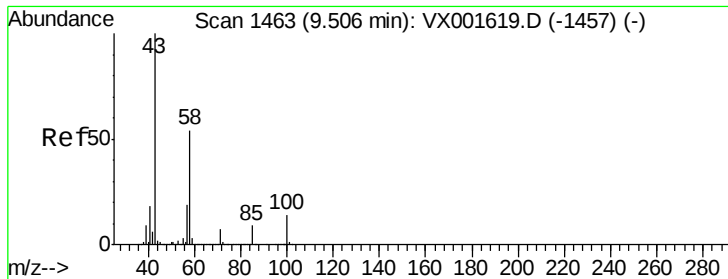
apatel
5/16/2018 6:19:06 PM



#58
4-Methyl-2-Pentanone
Concen: 98.98 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	506611		
58	38.2	30.4	45.6	
85	18.0	14.3	21.5	





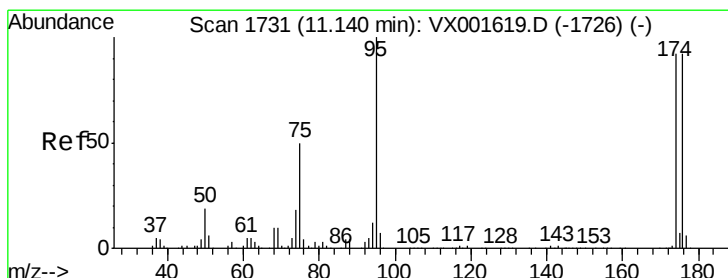
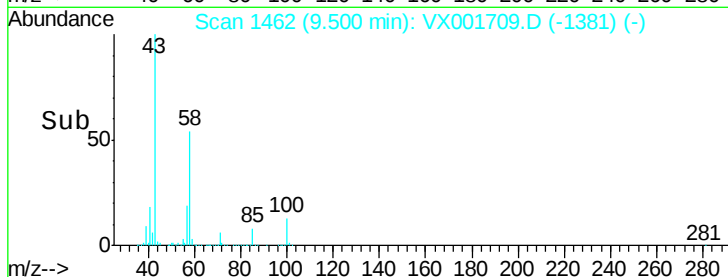
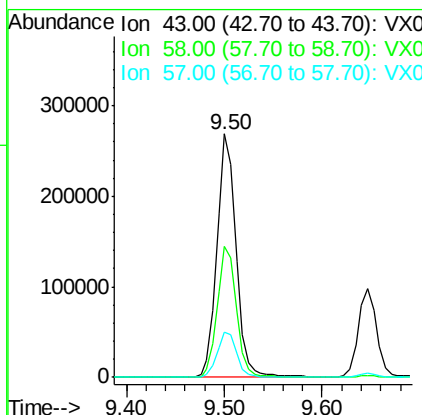
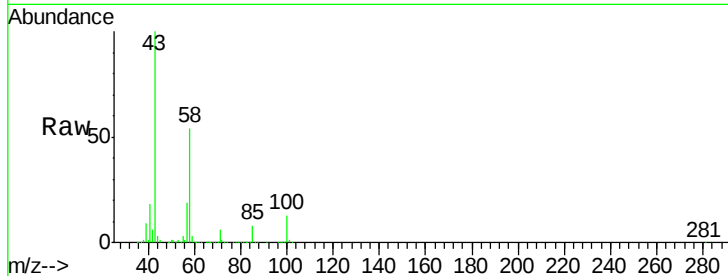
#59
2-Hexanone
Concen: 95.37 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampled :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.0	64.4
57	18.8	15.4	23.0

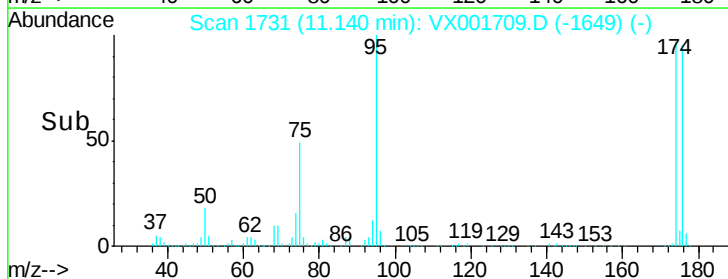
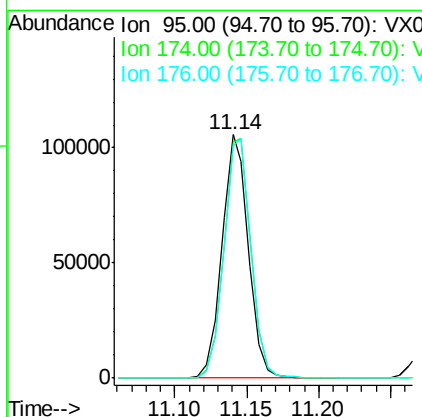
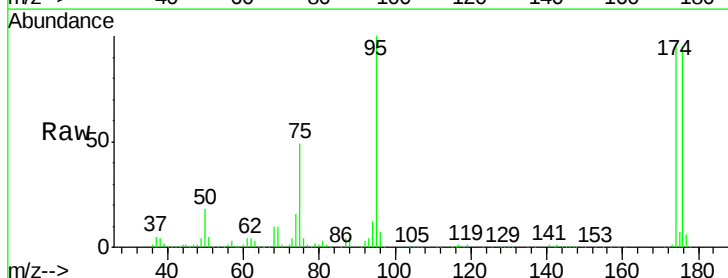
Manual Integrations
APPROVED

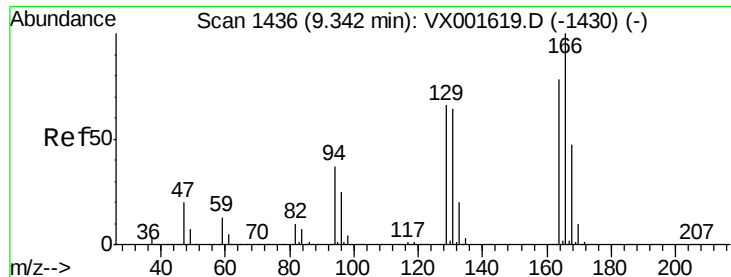
apatel
5/16/2018 6:19:06 PM



#60
4-Bromofluorobenzene
Concen: 30.10 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.0	80.2	120.2
176	100.8	79.2	118.8





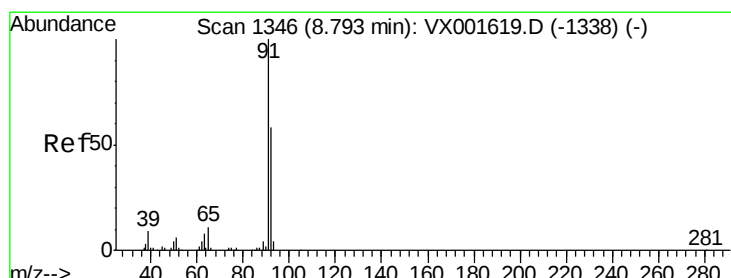
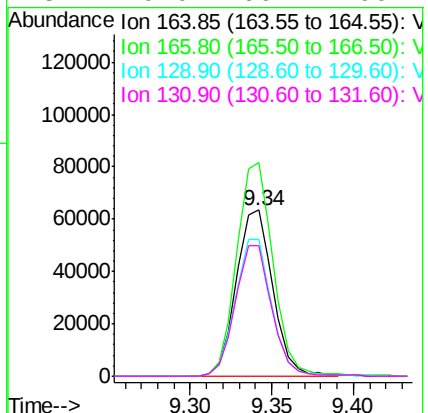
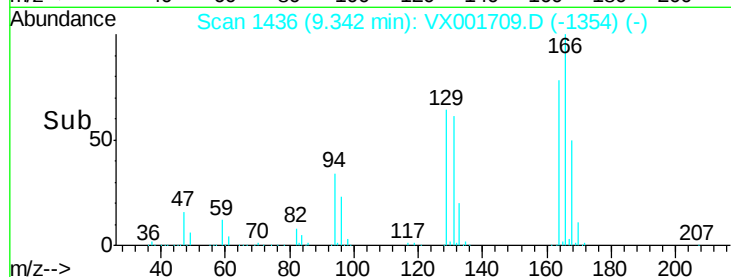
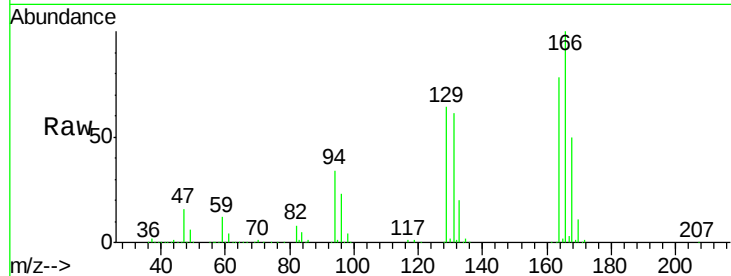
#61
Tetrachloroethene
Concen: 23.97 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.8	154.2
129	82.5	67.8	101.8
131	79.0	66.2	99.2

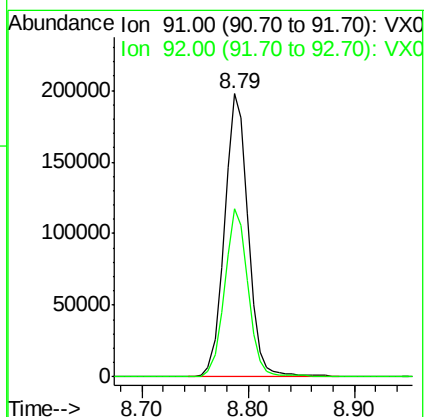
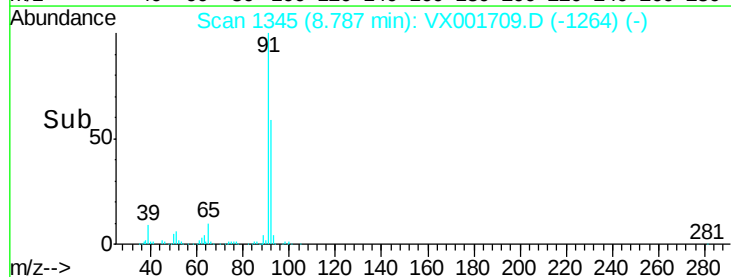
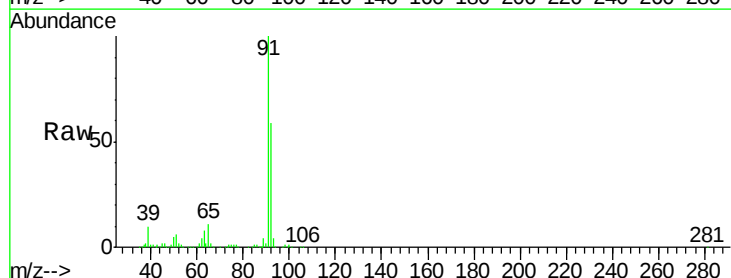
Manual Integrations
APPROVED

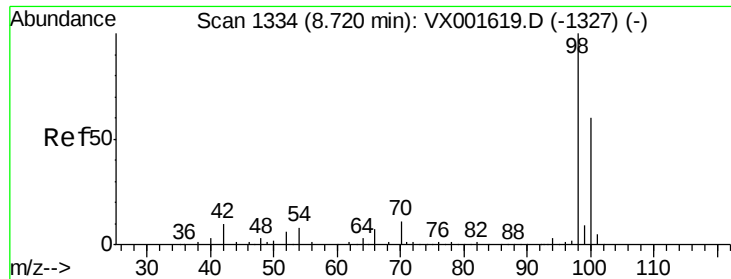
apatel
5/16/2018 6:19:06 PM



#62
Toluene
Concen: 22.51 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.4	71.0





#63

Toluene-d8

Concen: 31.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 98 Resp: 396395

Ion Ratio Lower Upper

98 100

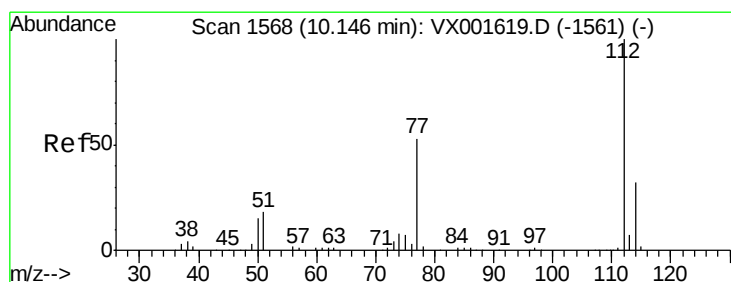
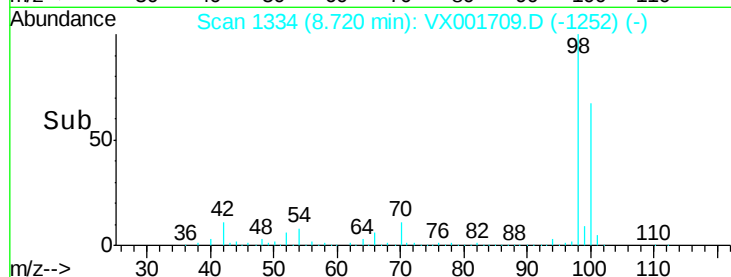
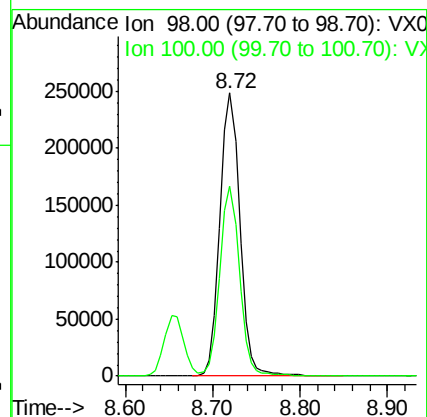
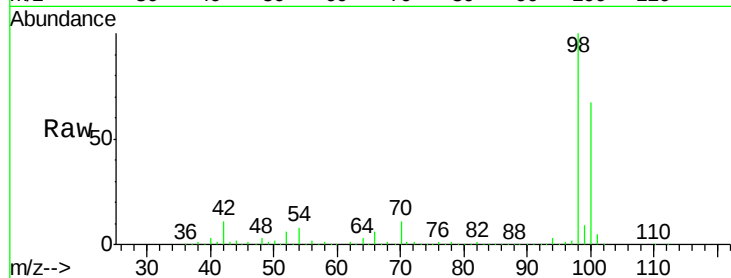
100 65.3 52.2 78.2

Manual Integrations

APPROVED

apatel

5/16/2018 6:19:06 PM



#64

Chlorobenzene

Concen: 22.07 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001709.D

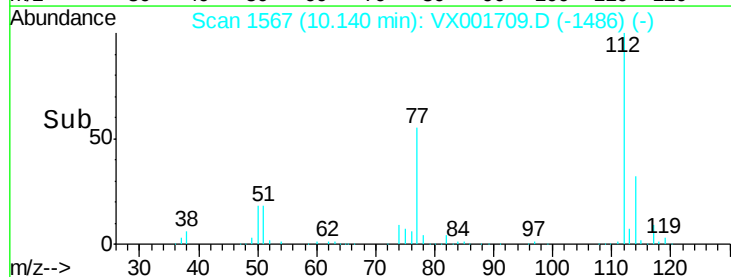
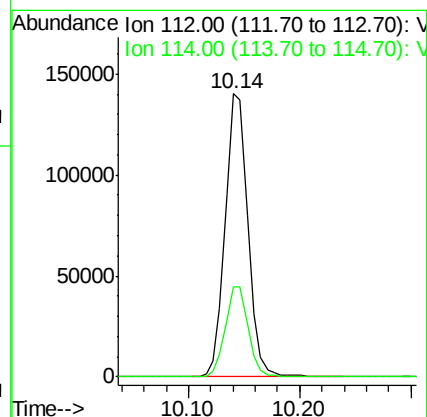
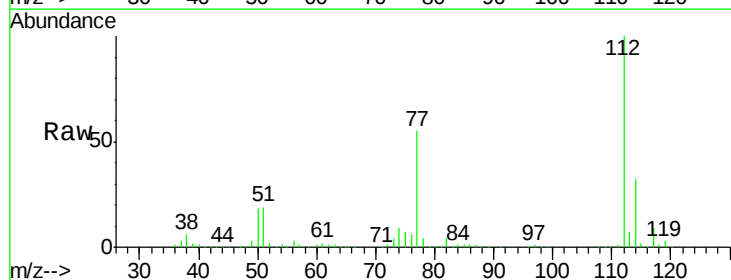
Acq: 14 May 2018 13:22

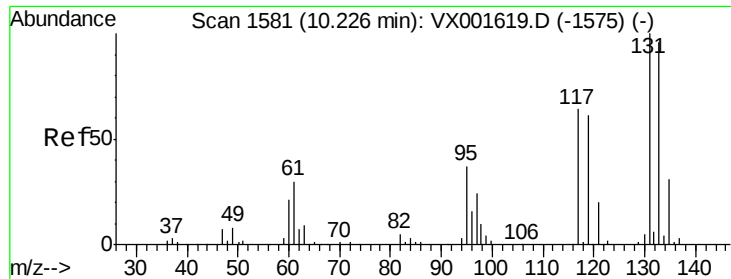
Tgt Ion: 112 Resp: 198465

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.94 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

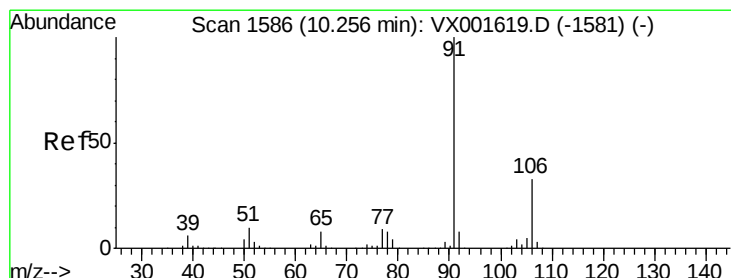
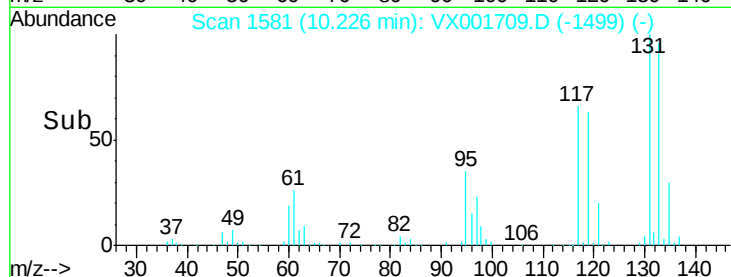
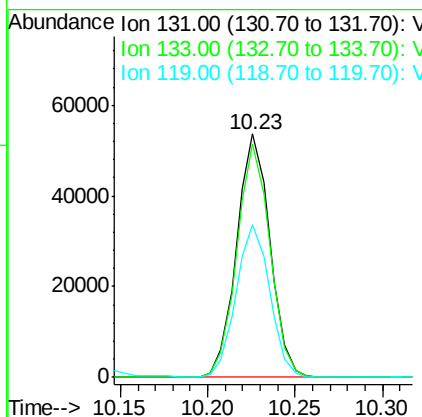
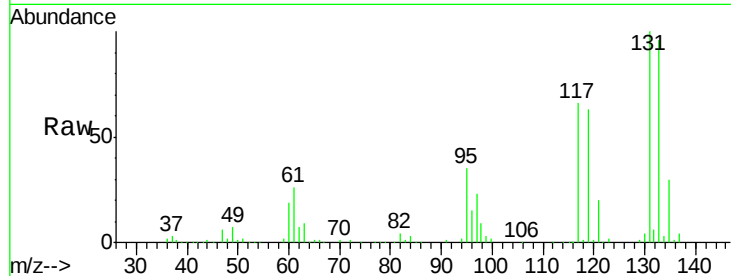
ClientSampled :

VX0514WBSD01

Tot Ion:	131	Resp:	71177
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	191.4
119	63.6	0.0	124.2

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#66

Ethyl Benzene

Concen: 22.47 ug/l

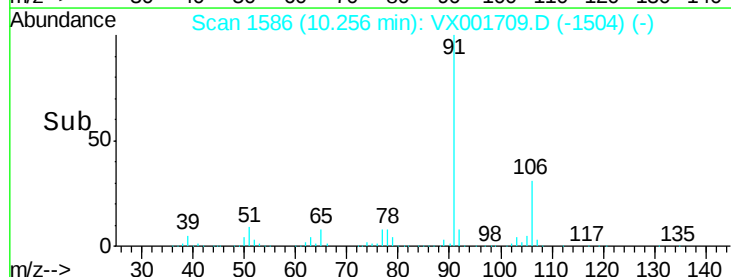
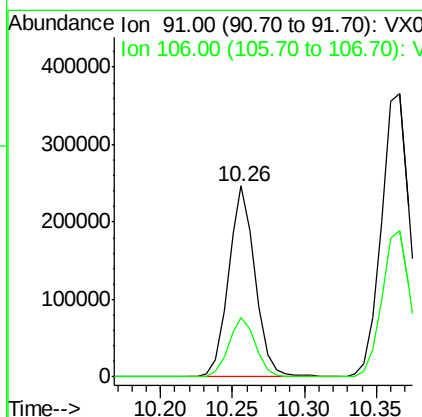
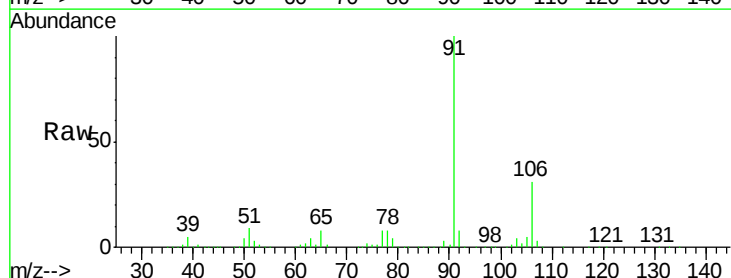
RT: 10.26 min Scan# 1586

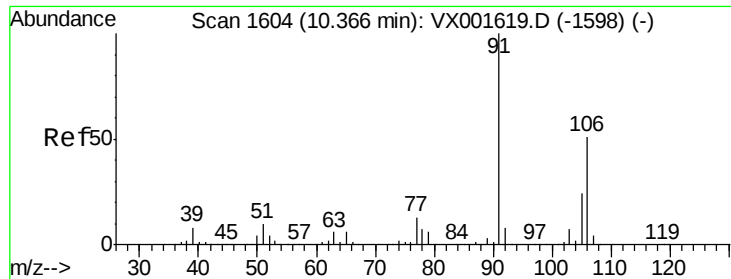
Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	91	Resp:	319151
Ion Ratio	Lower	Upper	
91	100		
106	30.9	26.2	39.4





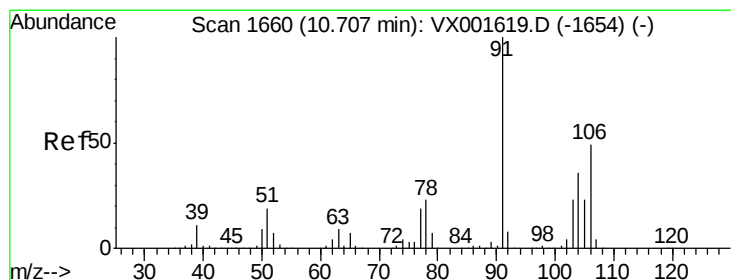
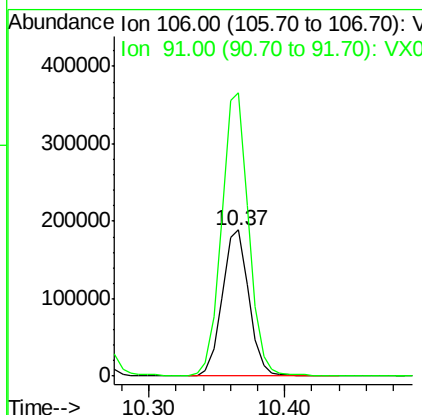
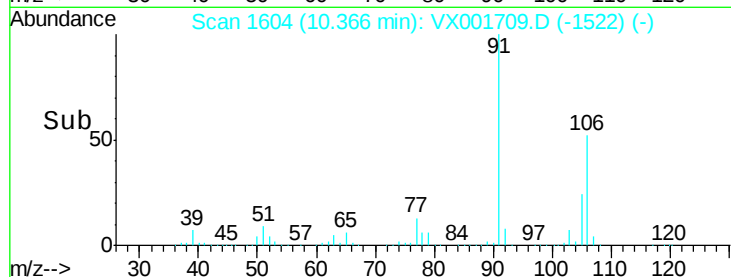
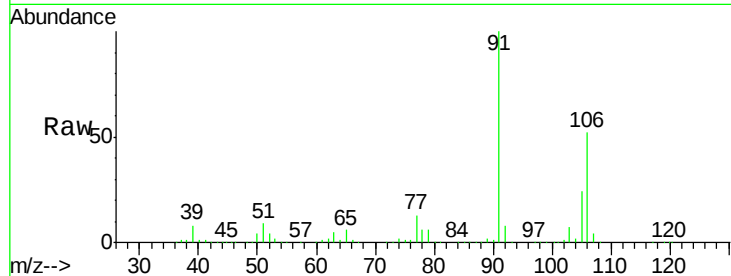
#67
m/p-Xylenes
Concen: 45.41 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion:106 Resp: 257587
Ion Ratio Lower Upper
106 100
91 195.6 157.8 236.8

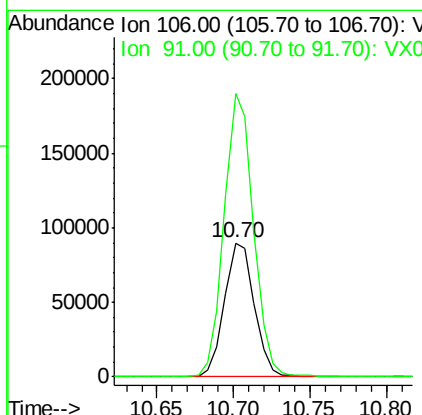
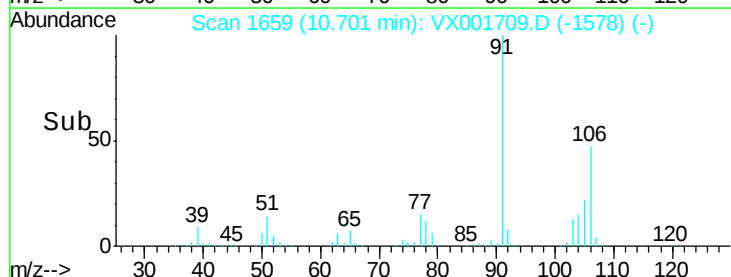
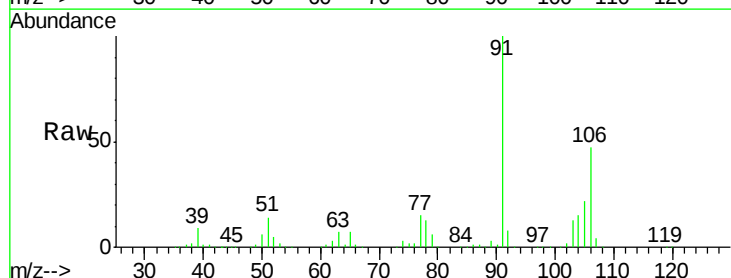
Manual Integrations
APPROVED

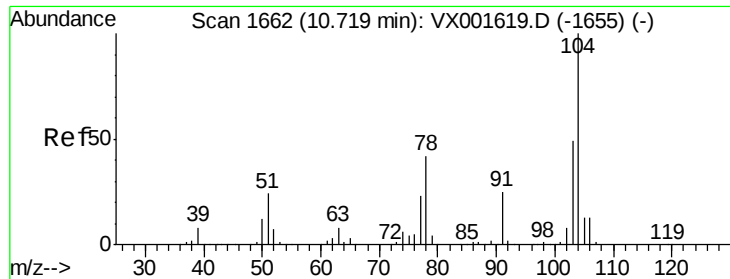
apatel
5/16/2018 6:19:06 PM



#68
o-Xylene
Concen: 21.75 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion:106 Resp: 122069
Ion Ratio Lower Upper
106 100
91 207.4 104.3 312.8





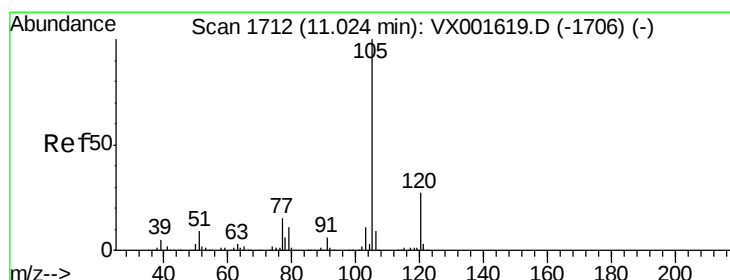
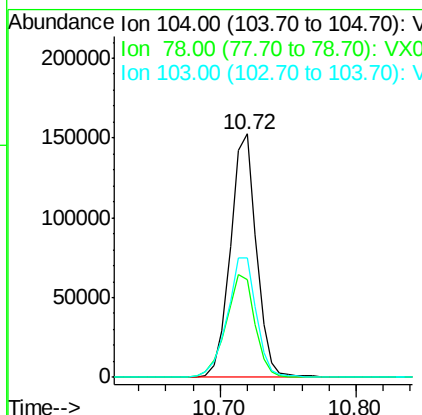
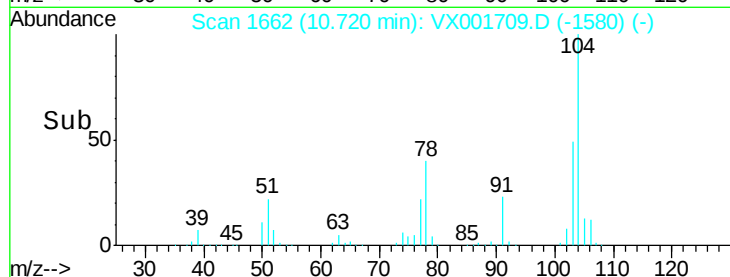
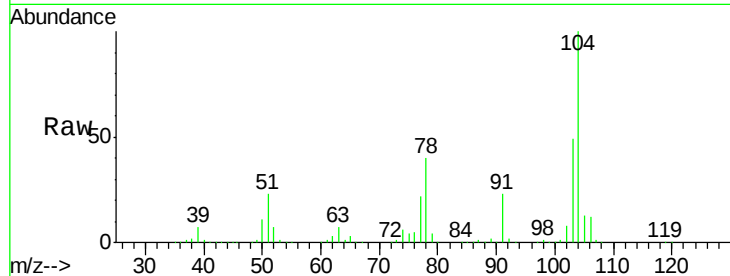
#69
Stvrene
Concen: 21.91 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	202906		
78	46.9		39.3	58.9
103	54.8		43.7	65.5

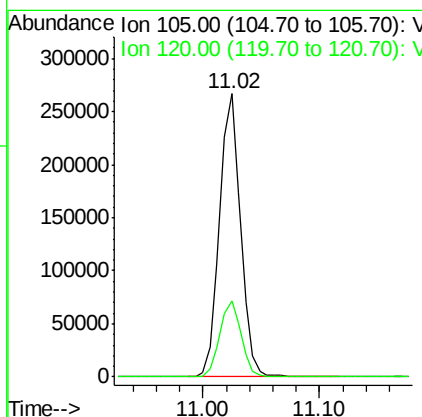
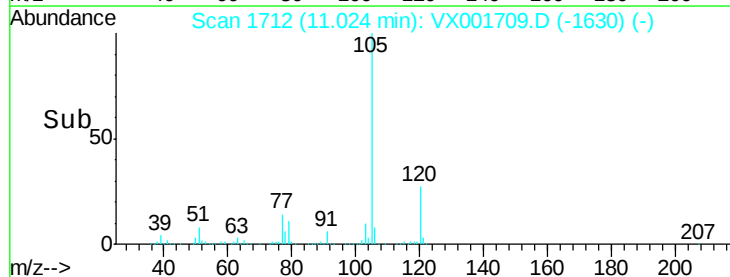
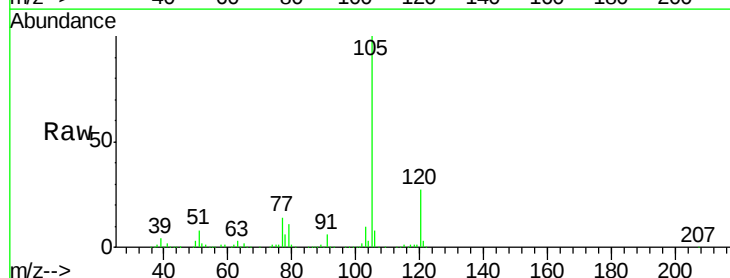
Manual Integrations
APPROVED

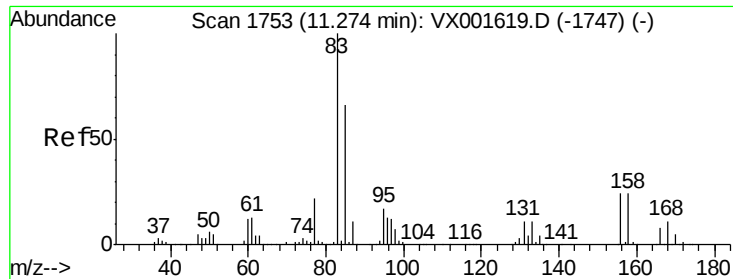
apatel
5/16/2018 6:19:06 PM



#70
Isopropylbenzene
Concen: 23.05 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	333206		
120	27.3		19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 19.74 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

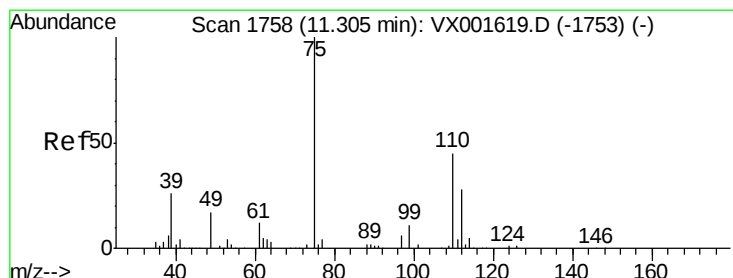
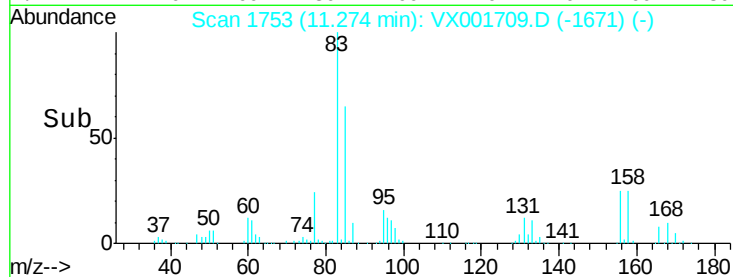
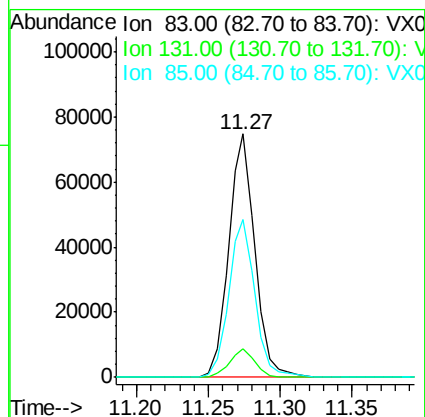
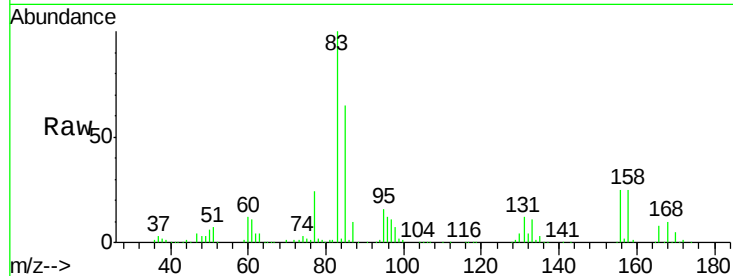
ClientSampleId :

VX0514WBSD01

Tot Ion:	83	Resp:	95716
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	64.9	32.4	97.2

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#72

1,2,3-Trichloropropane

Concen: 20.54 ug/l m

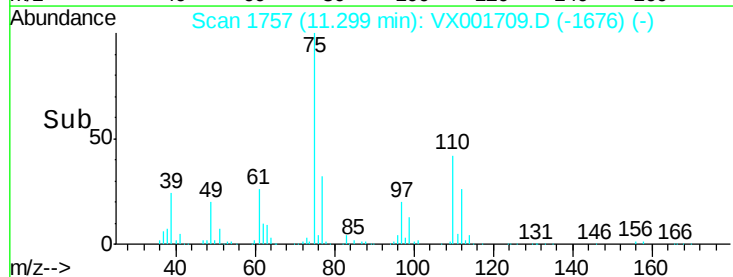
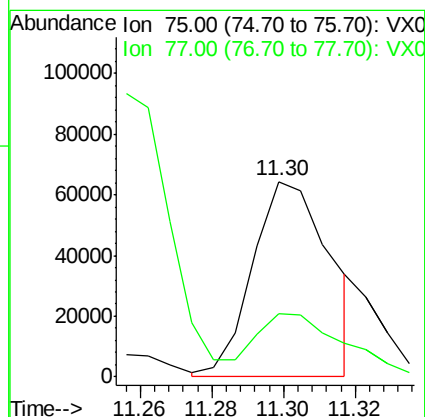
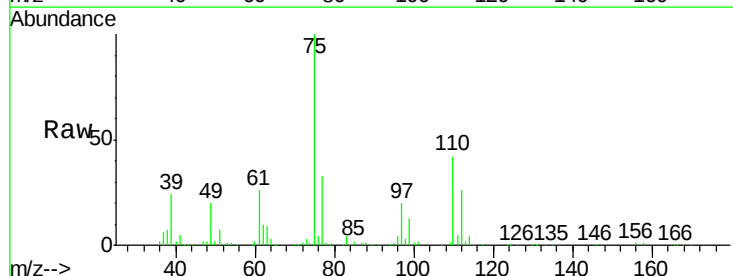
RT: 11.30 min Scan# 1757

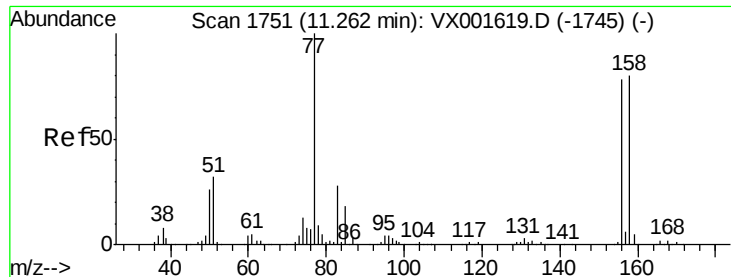
Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Tgt Ion:	75	Resp:	96500
Ion Ratio	Lower	Upper	
75	100		
77	36.5	0.0	73.2





#73

Bromobenzene

Concen: 21.97 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

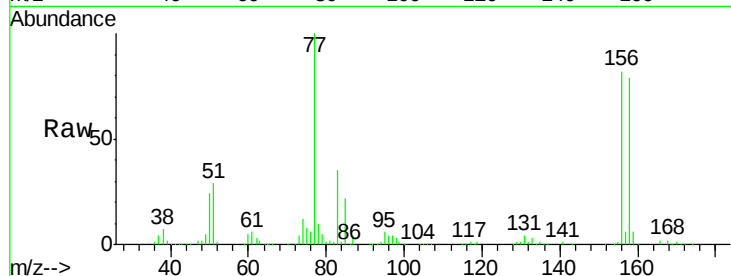
ClientSampleId :

VX0514WBSD01

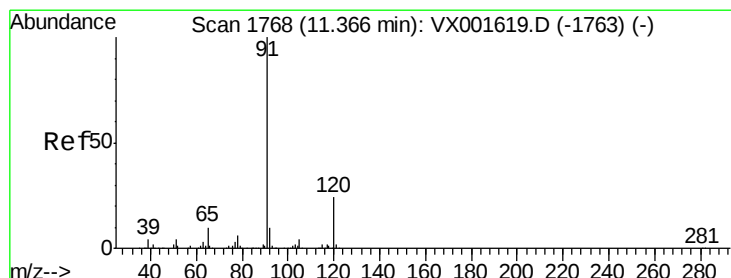
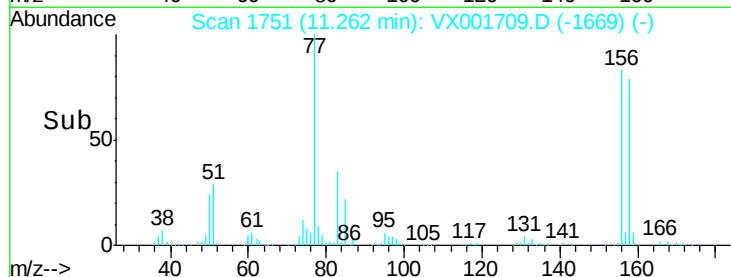
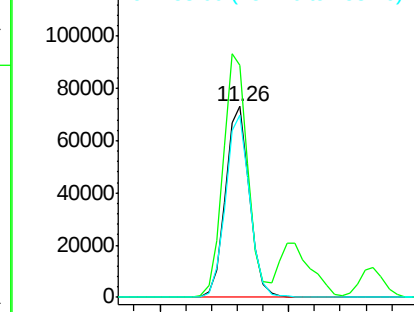
Tot Ion:	156	Resp:	96237
Ion Ratio	Lower	Upper	
156	100		
77	132.0	0.0	266.4
158	96.5	0.0	194.4

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 24.11 ug/l

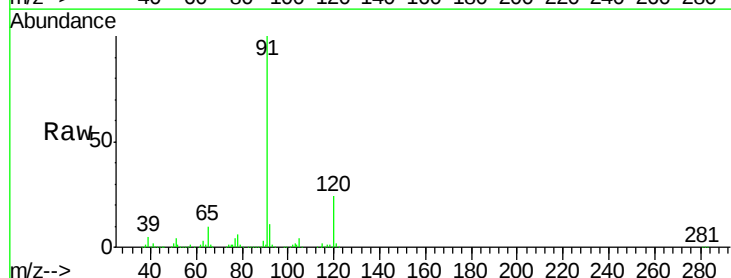
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

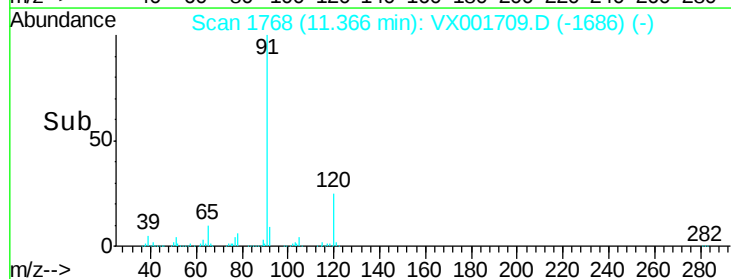
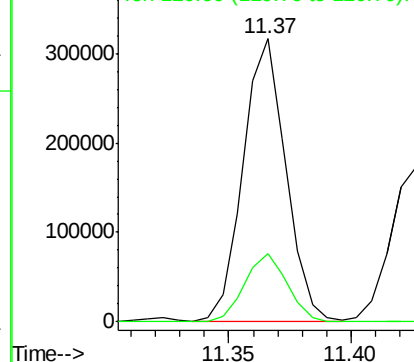
Lab File: VX001709.D

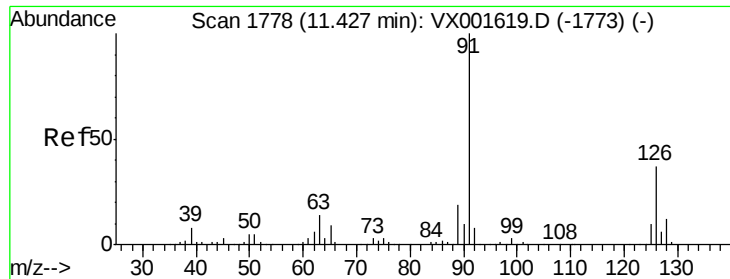
Acq: 14 May 2018 13:22

Tgt Ion:	91	Resp:	383714
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.52 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 91 Resp: 224772

Ion Ratio Lower Upper

91 100

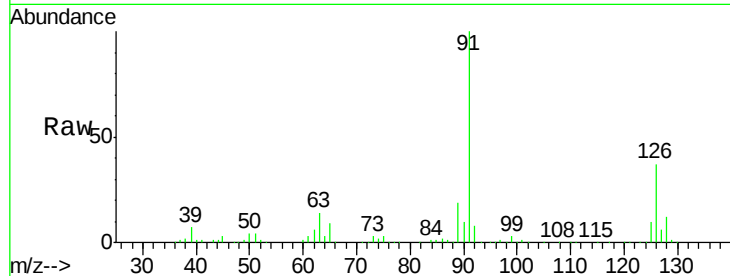
126 36.6 0.0 72.0

Manual Integrations

APPROVED

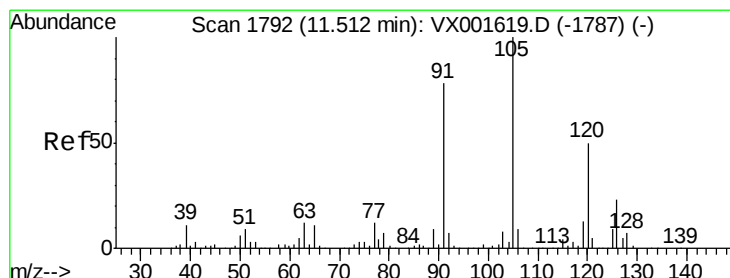
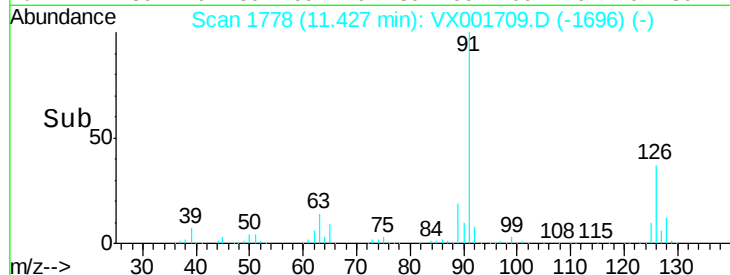
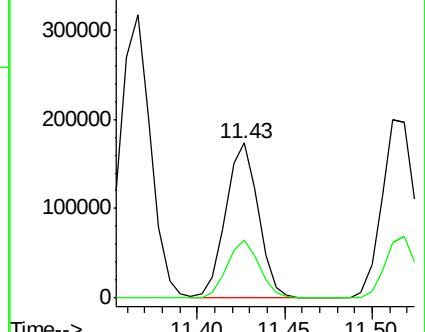
apatel

5/16/2018 6:19:06 PM



Abundance Ion 91.00 (90.70 to 91.70): VX001619.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001619.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 23.34 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001709.D

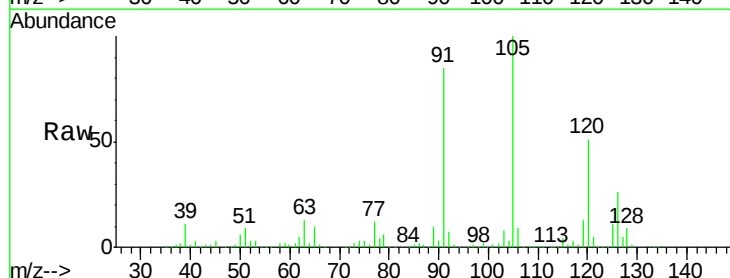
Acq: 14 May 2018 13:22

Tgt Ion: 105 Resp: 284015

Ion Ratio Lower Upper

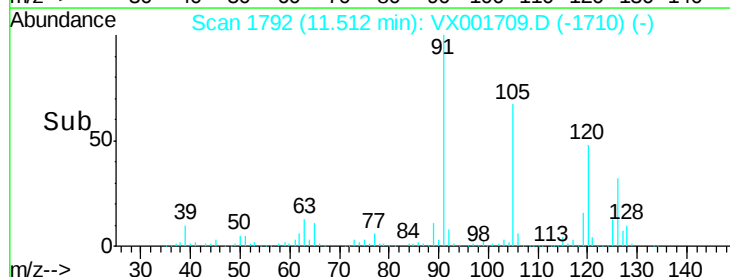
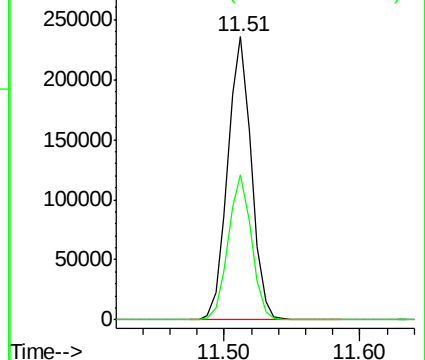
105 100

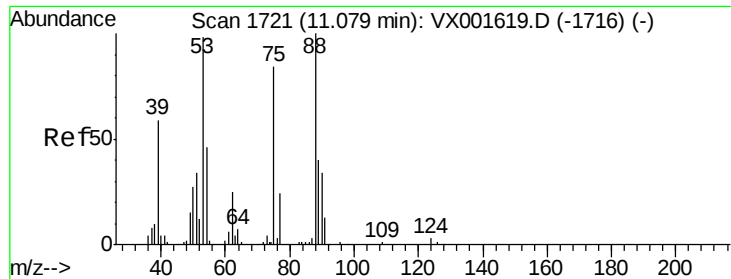
120 50.4 0.0 101.8



Abundance Ion 105.00 (104.70 to 105.70): VX001619.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VX001619.D (-1787) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.91 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 75 Resp: 25269

Ion Ratio Lower Upper

75 100

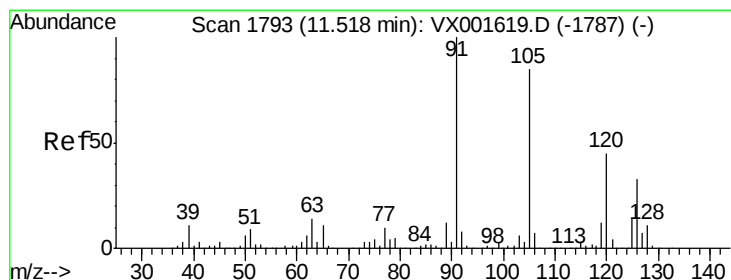
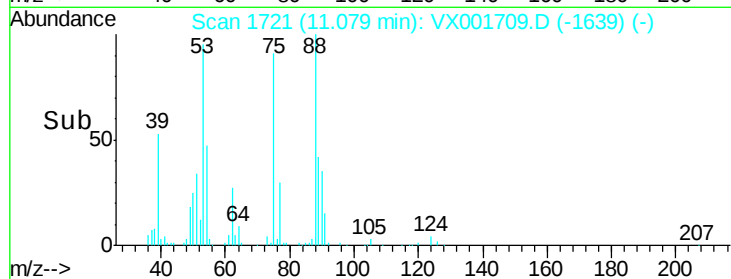
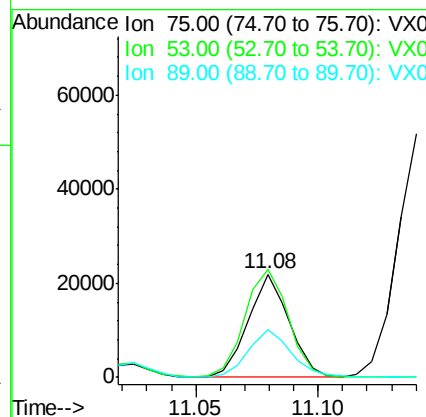
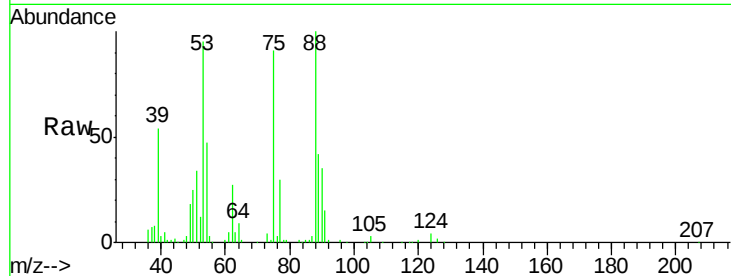
53 104.4 58.3 174.8

89 46.0 23.9 71.8

Manual Integrations
APPROVED

apatel

5/16/2018 6:19:06 PM



#78

4-Chlorotoluene

Concen: 22.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX001709.D

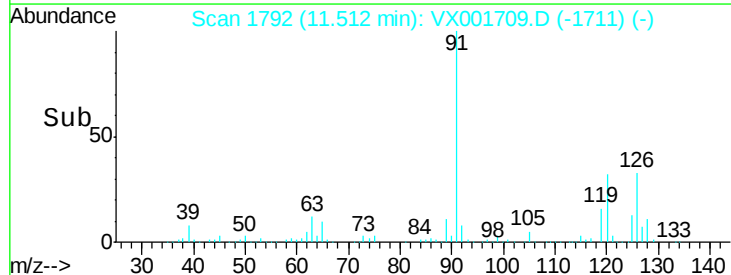
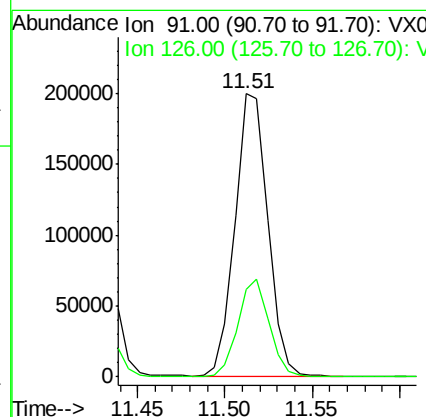
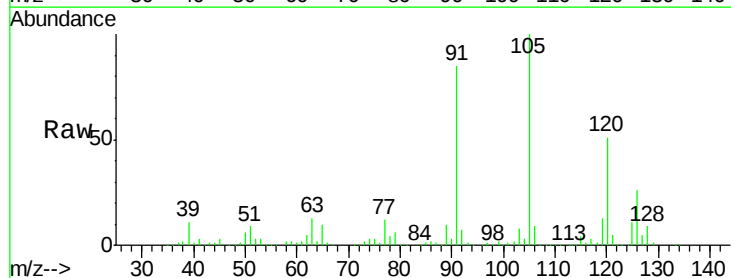
Acq: 14 May 2018 13:22

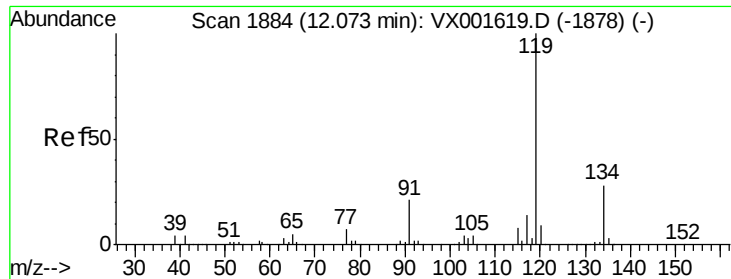
Tgt Ion: 91 Resp: 260494

Ion Ratio Lower Upper

91 100

126 32.7 0.0 64.8





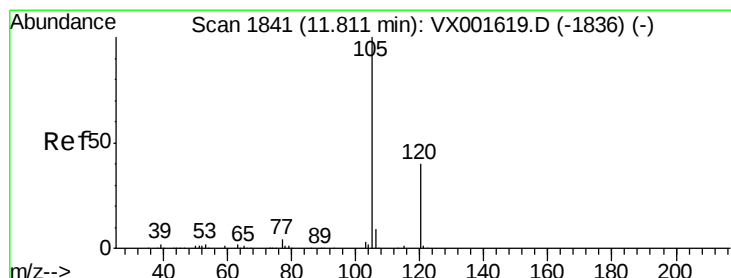
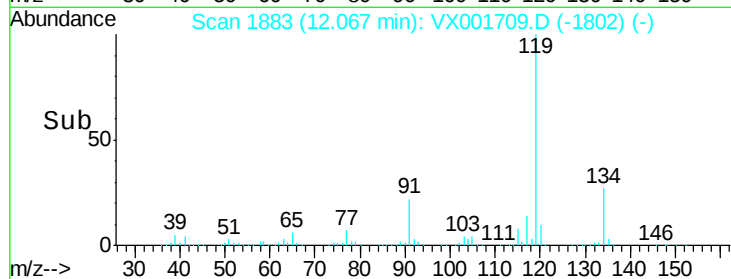
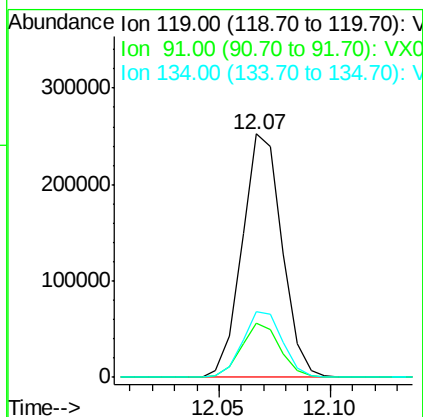
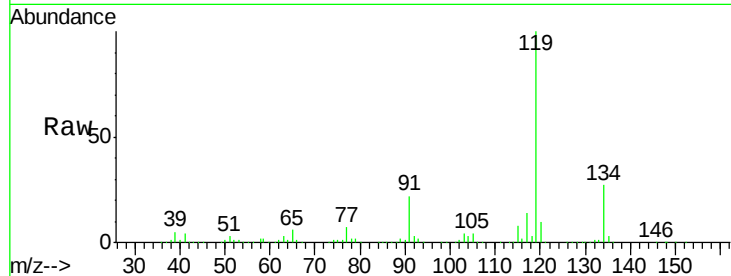
#79
tert-butylbenzene
Concen: 24.44 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	314645		
91	21.5	0.0	44.0	
134	27.4	0.0	53.8	

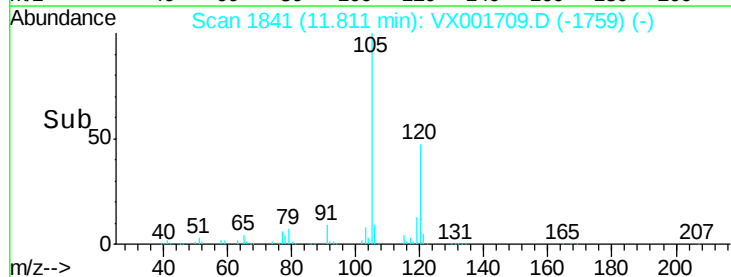
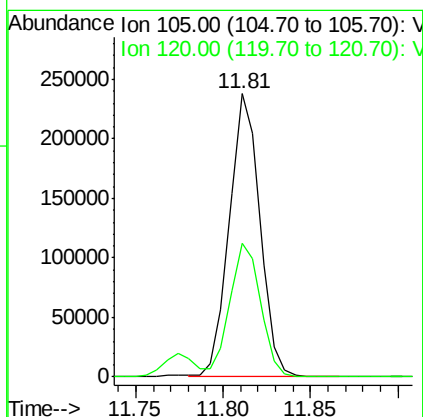
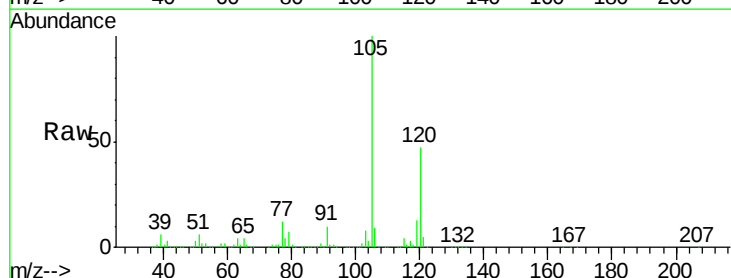
Manual Integrations
APPROVED

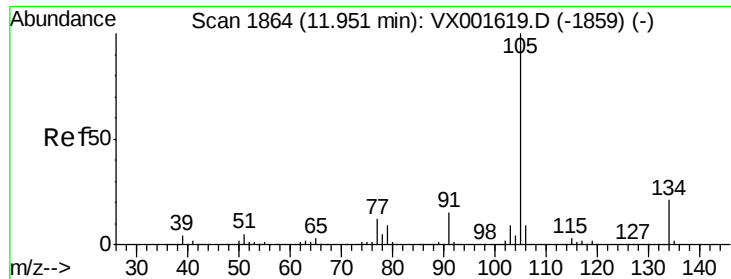
apatel
5/16/2018 6:19:06 PM



#80
1,2,4-Trimethylbenzene
Concen: 23.34 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289854		
120	47.3	0.0	94.0	





#81

sec-Butylbenzene

Concen: 24.22 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion:105 Resp: 341222

Ion Ratio Lower Upper

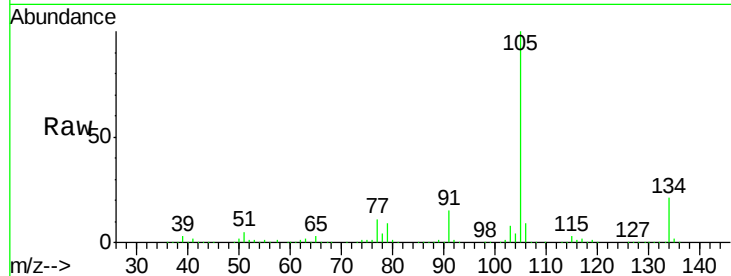
105 100

134 21.5 0.0 43.4

Manual Integrations
APPROVED

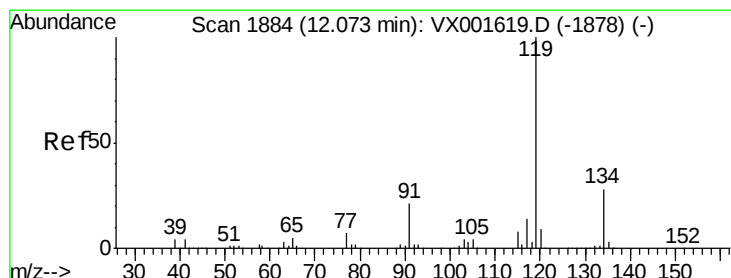
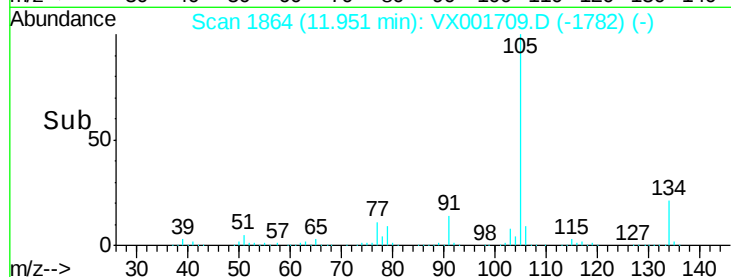
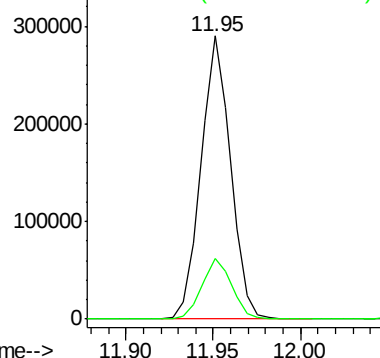
apatel

5/16/2018 6:19:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 24.44 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001709.D

Acq: 14 May 2018 13:22

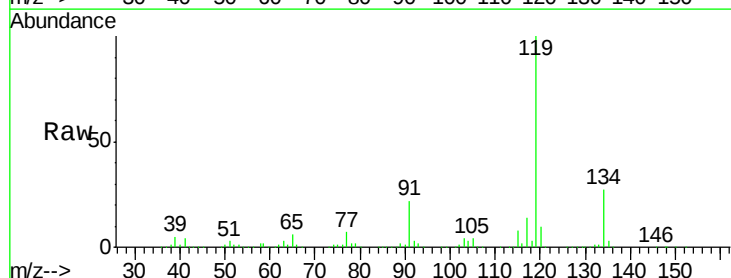
Tgt Ion:119 Resp: 314645

Ion Ratio Lower Upper

119 100

134 27.4 0.0 53.8

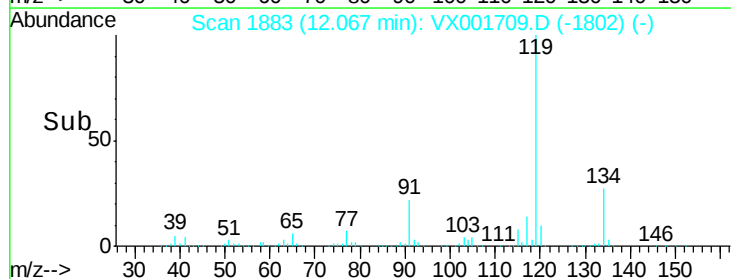
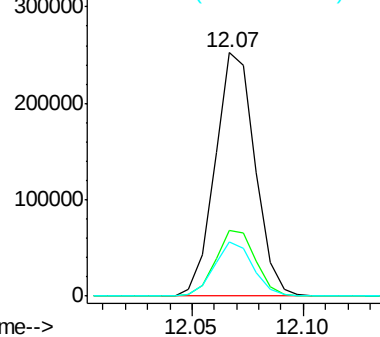
91 21.5 0.0 44.0

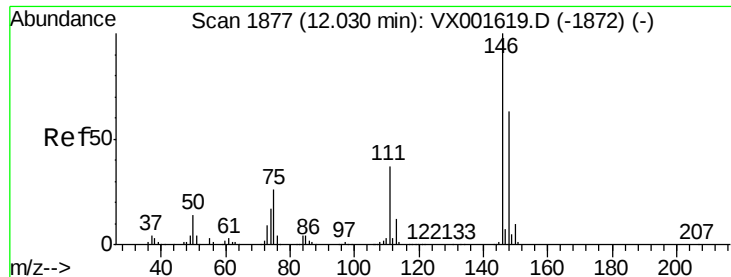


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





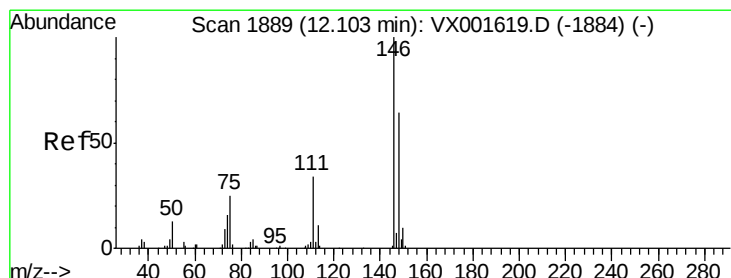
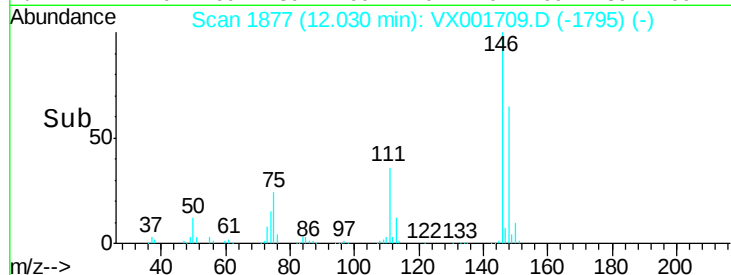
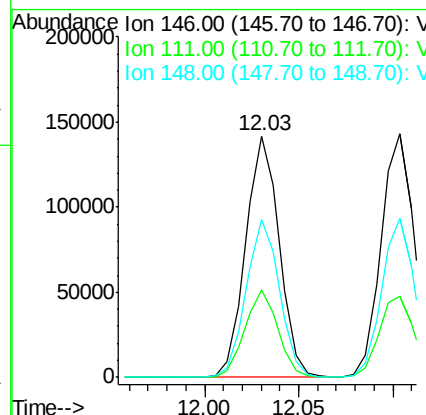
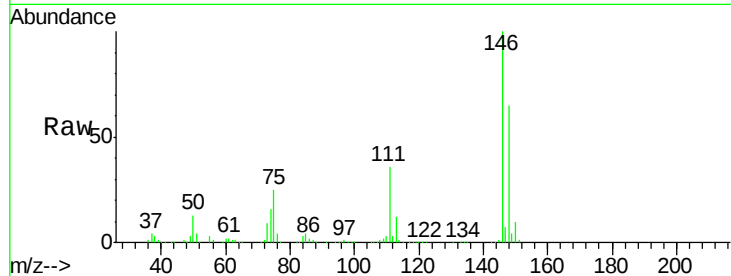
#83
 1,3-Dichlorobenzene
 Concen: 22.94 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	64.8	32.2	96.6

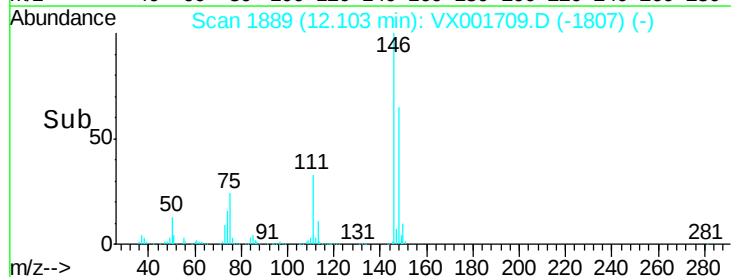
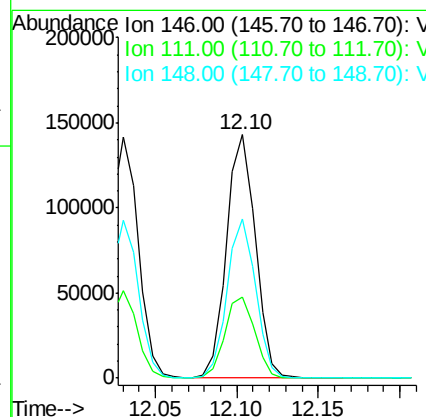
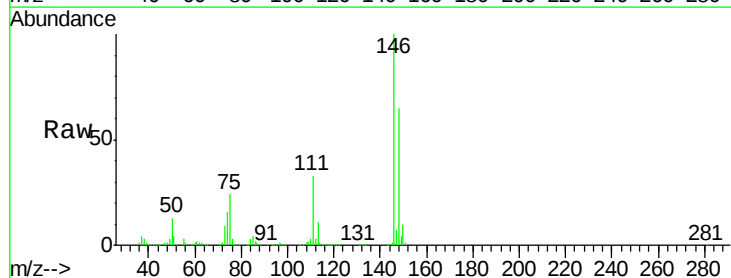
Manual Integrations
 APPROVED

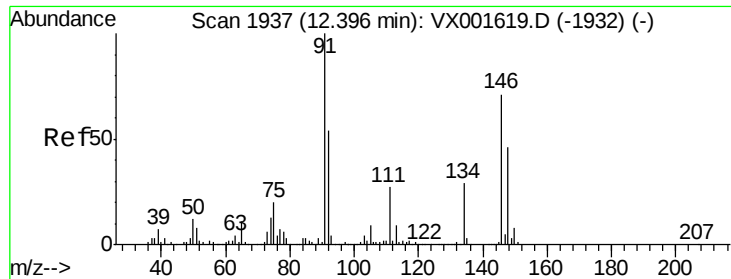
apatel
 5/16/2018 6:19:06 PM



#84
 1,4-Dichlorobenzene
 Concen: 23.07 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.4	52.3
148	64.4	32.5	97.4





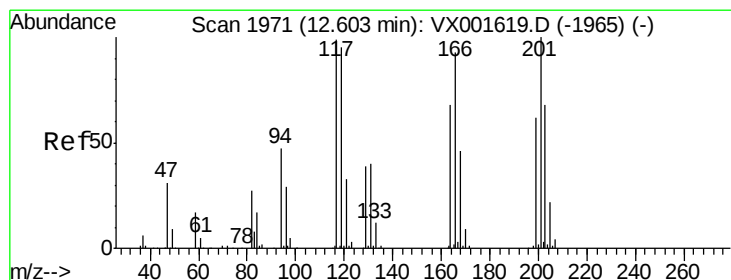
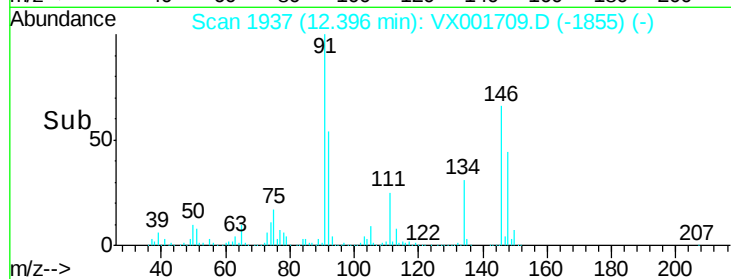
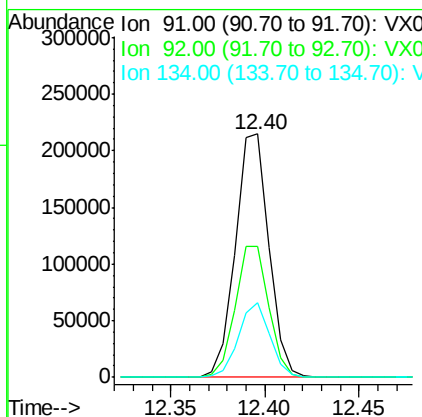
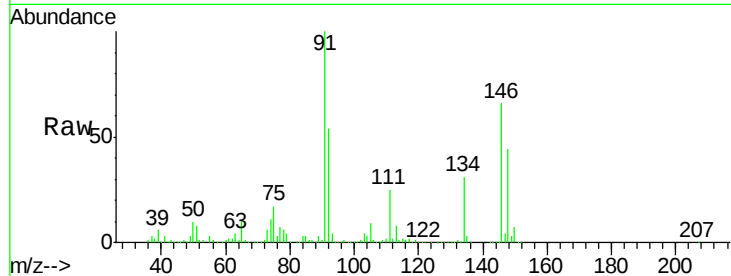
#85
n-Butylbenzene
Concen: 25.90 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	265118		
92	54.0	0.0	107.8	
134	28.9	0.0	56.8	

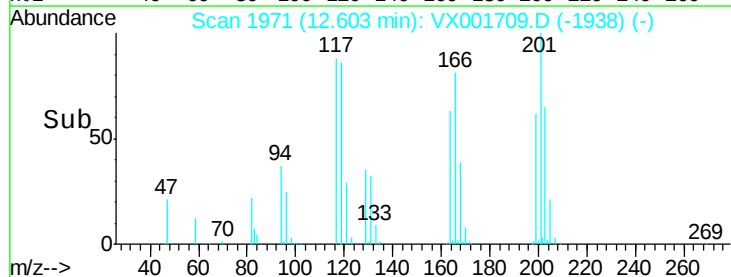
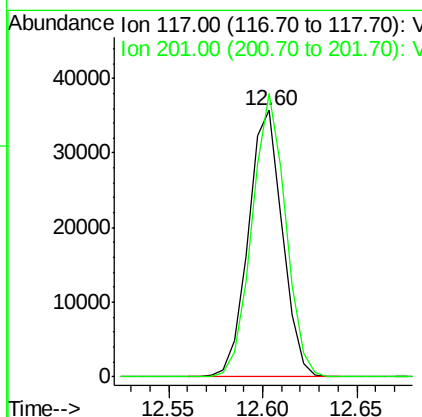
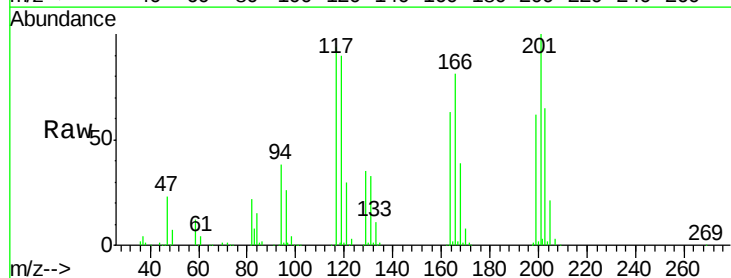
Manual Integrations
APPROVED

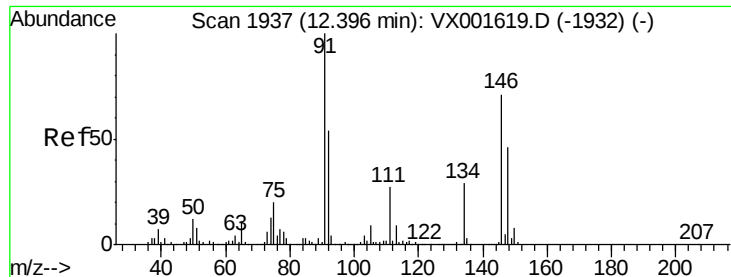
apatel
5/16/2018 6:19:06 PM



#86
Hexachloroethane
Concen: 21.91 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44755		
201	103.9	50.1	150.3	





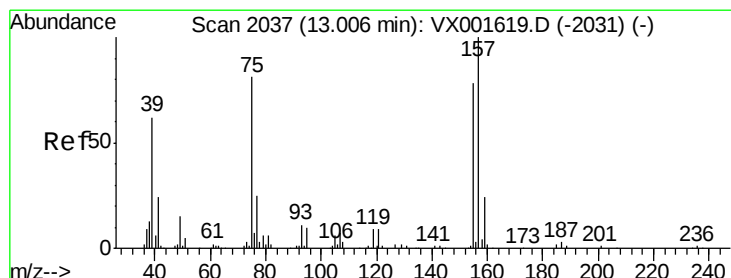
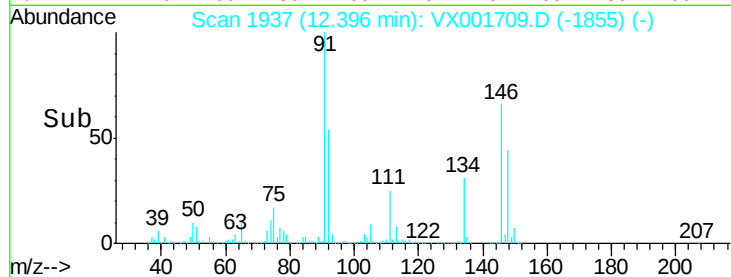
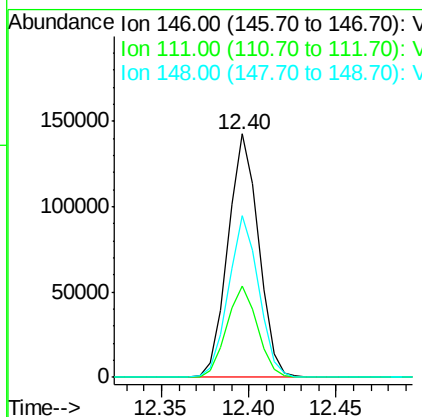
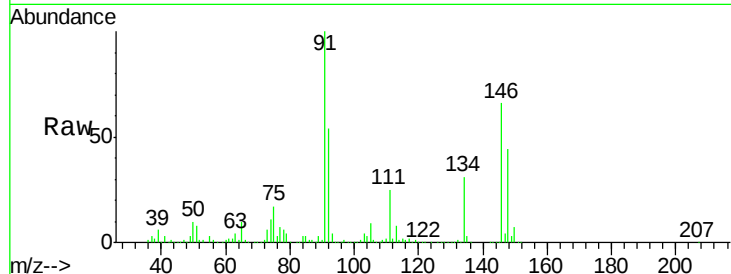
#87
 1,2-Dichlorobenzene
 Concen: 21.95 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	65.6	32.1	96.5

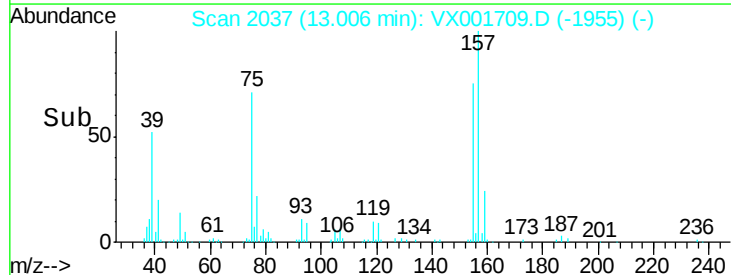
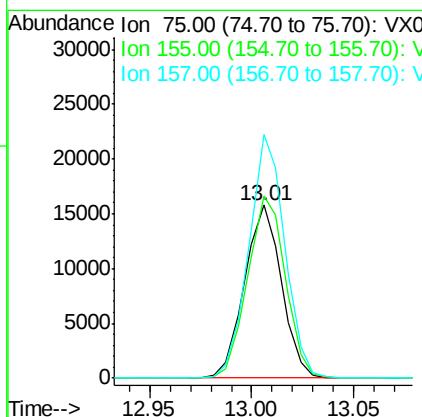
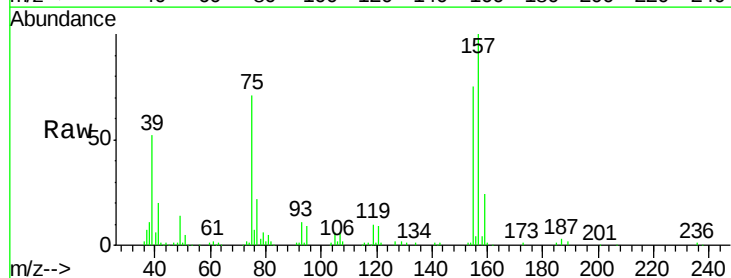
Manual Integrations
 APPROVED

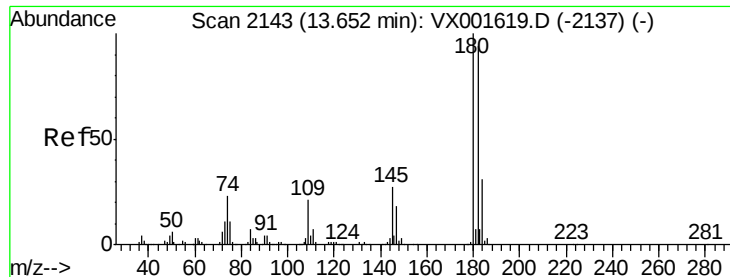
apatel
 5/16/2018 6:19:06 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.65 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.0	79.8	119.8
157	136.8	105.4	158.2





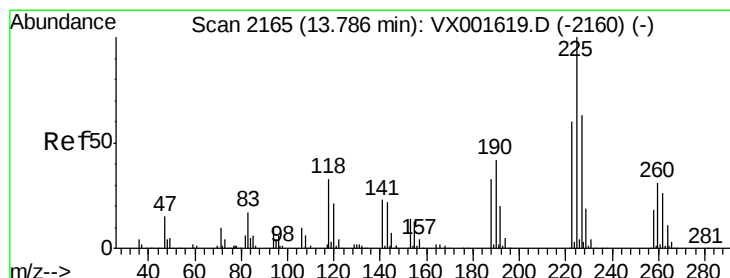
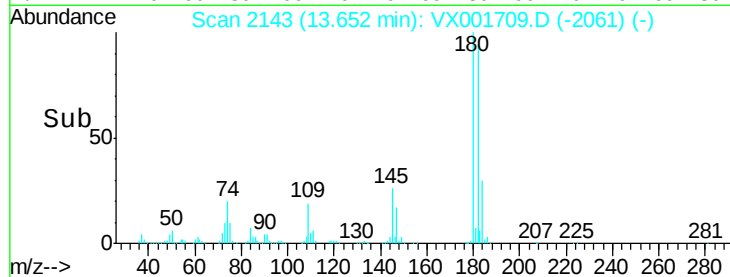
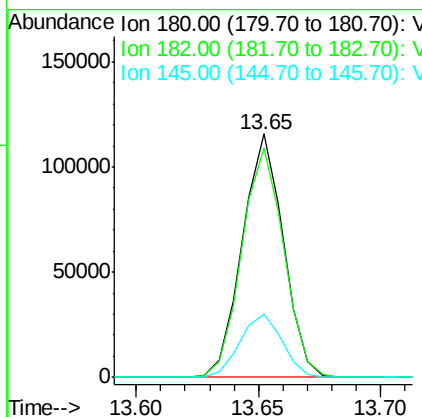
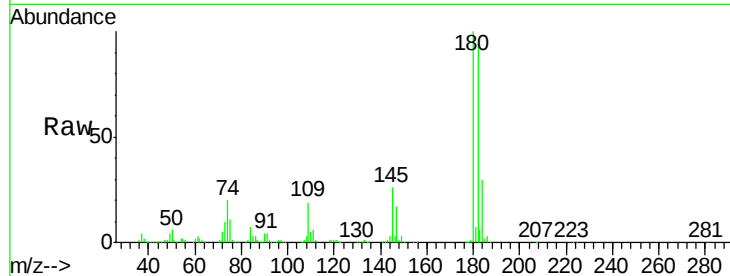
#89
 1,2,4-Trichlorobenzene
 Concen: 24.02 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135172		
182	96.5	76.6	115.0	
145	26.7	21.5	32.3	

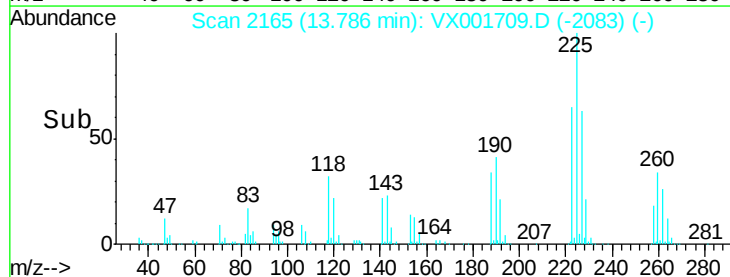
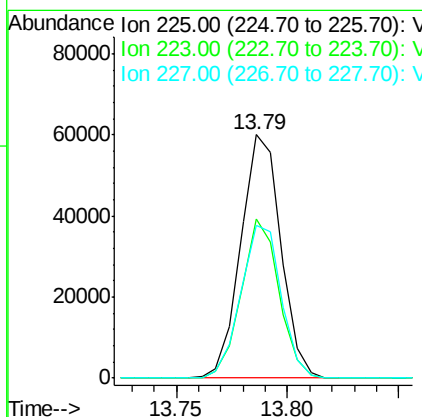
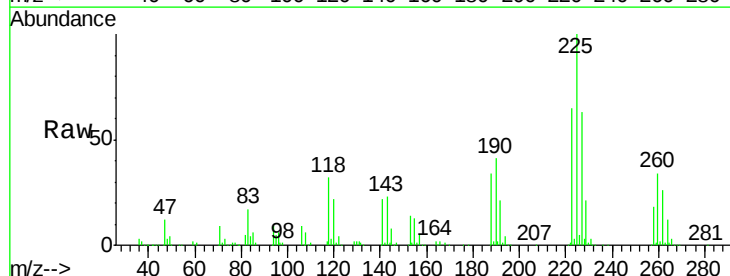
Manual Integrations
 APPROVED

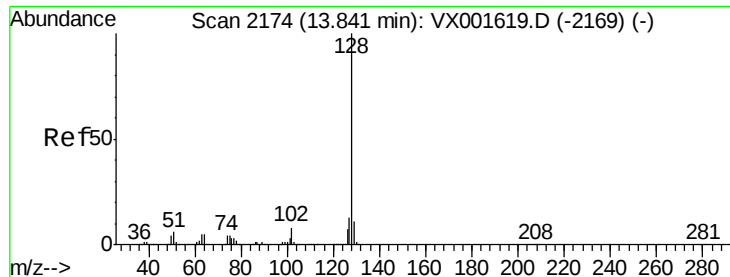
apatel
 5/16/2018 6:19:06 PM



#90
 Hexachlorobutadiene
 Concen: 26.18 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001709.D
 Acq: 14 May 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75402		
223	61.6	0.0	120.2	
227	63.6	0.0	126.6	





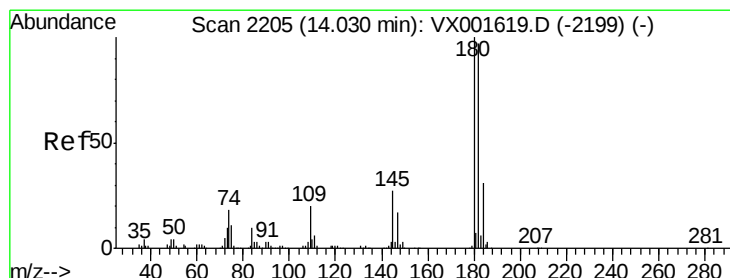
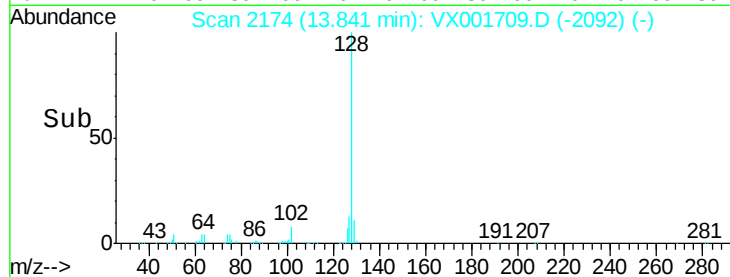
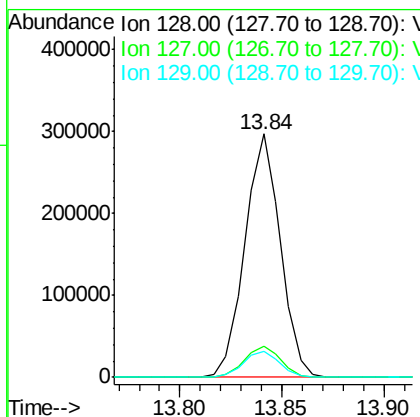
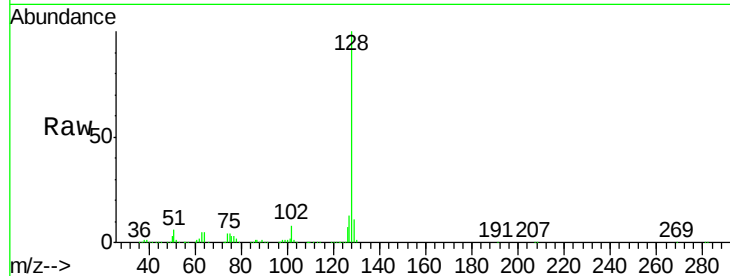
#91
Naphthalene
Concen: 21.26 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion:128	Resp:	358304
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.3 15.5
129	10.9	8.8 13.2

Manual Integrations
APPROVED

apatel
5/16/2018 6:19:06 PM



#92
1,2,3-Trichlorobenzene
Concen: 23.44 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VX001709.D
Acq: 14 May 2018 13:22

Tgt Ion:180	Resp:	139507
Ion Ratio	Lower	Upper
180	100	
182	94.9	0.0 192.2
145	28.7	0.0 56.0

