

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022018\
 Data File : VX000107.D
 Acq On : 20 Feb 2018 14:17
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

apatel
 2/22/2018 4:04:27 PM

Quant Time: Feb 21 06:07:09 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	17597	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	106053	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	104194	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	40053	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	11.15	95	51513	30.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.27%
63) Toluene-d8	8.73	98	132558	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	53482	50.12	ug/l	97
3) Chloromethane	1.33	50	51574	46.58	ug/l	97
4) Vinyl Chloride	1.40	62	62645	48.19	ug/l	98
5) Bromomethane	1.64	94	56893	48.55	ug/l	98
6) Chloroethane	1.72	64	39223	47.93	ug/l	94
7) Trichlorofluoromethane	1.93	101	108131	48.68	ug/l	99
8) Diethyl Ether	2.20	74	37544	46.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59592	48.51	ug/l	100
10) 1,1-Dichloroethene	2.38	96	56364	47.80	ug/l	95
11) Methyl Iodide	2.51	142	63286	66.80	ug/l	94
12) Methyl Acetate	2.79	43	103235	49.12	ug/l	99
13) Acrolein	2.30	56	56727	236.46	ug/l	100
14) Acrylonitrile	3.16	53	223422	244.77	ug/l	98
15) Acetone	2.45	58	73554	236.39	ug/l	98
16) Carbon Disulfide	2.57	76	160876	48.49	ug/l	100
17) Allyl chloride	2.73	41	98012	49.48	ug/l	97
18) Methylene Chloride	2.86	84	59809	47.58	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	60730	47.96	ug/l	97
20) Diisopropyl ether	3.89	45	153882	50.85	ug/l	97
21) 1,1-Dichloroethane	3.70	63	100611	46.74	ug/l	98
22) cis-1,2-Dichloroethene	4.61	96	57732	49.04	ug/l	98
23) tert-Butyl Alcohol	3.09	59	130330	245.47	ug/l #	100
24) Methyl tert-Butyl Ether	3.22	73	196335	48.72	ug/l	99
25) Chloroform	5.23	83	103188	50.62	ug/l	100
26) Cyclohexane	5.58	56	81461	50.74	ug/l #	100
29) 1,1-Dichloropropene	5.81	75	75779	49.57	ug/l	99
30) 2-Butanone	4.73	43	296506	242.78	ug/l	100
31) 2,2-Dichloropropane	4.59	77	81434	49.40	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	94260	50.69	ug/l	99
33) Carbon Tetrachloride	5.79	117	84914	51.71	ug/l	93
34) Benzene	6.15	78	220850	49.44	ug/l #	92
35) Methacrylonitrile	5.07	41	52642	48.35	ug/l	90
36) 1,2-Dichloroethane	6.21	62	81866	48.56	ug/l	99
37) Trichloroethene	7.22	130	64274	48.41	ug/l	96
38) Methylcyclohexane	7.47	83	91966	51.07	ug/l	99
39) 1,2-Dichloropropane	7.53	63	54756	48.51	ug/l	100
40) Dibromomethane	7.67	93	42862	50.52	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022018\
 Data File : VX000107.D
 Acq On : 20 Feb 2018 14:17
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

apatel
 2/22/2018 4:04:27 PM

Quant Time: Feb 21 06:07:09 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	81686	49.92	ug/l	98
42) Vinyl Acetate	3.84	43	726659	247.46	ug/l	99
43) Ethyl Acetate	4.88	43	102578	48.06	ug/l	99
44) Isopropyl Acetate	6.48	43	153755	50.44	ug/l	99
45) 1,4-Dioxane	7.77	88	40412	1070.71	ug/l	96
46) Methyl methacrylate	7.79	41	74836	50.29	ug/l	98
47) n-amyl Acetate	10.91	43	139125	53.11	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	94952	49.42	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	94490	50.91	ug/l	98
50) 1,1,2-Trichloroethane	9.23	97	63506	51.89	ug/l	98
51) Ethyl methacrylate	9.20	69	97801	52.45	ug/l	98
52) 1,3-Dichloropropane	9.38	76	101026	49.66	ug/l	99
53) Dibromochloromethane	9.59	129	75598	54.51	ug/l	99
54) 1,2-Dibromoethane	9.68	107	71295	51.12	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	160080	168.38	ug/l	100
56) Bromoform	10.87	173	62872	57.08	ug/l	98
58) 4-Methyl-2-Pentanone	8.67	43	565108	240.73	ug/l	98
59) 2-Hexanone	9.51	43	486825	243.53	ug/l	99
61) Tetrachloroethene	9.34	164	63717	50.29	ug/l	99
62) Toluene	8.79	91	269944	49.29	ug/l	100
64) Chlorobenzene	10.15	112	180067	49.30	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	67603	51.92	ug/l	98
66) Ethyl Benzene	10.26	91	307262	48.85	ug/l	99
67) m/p-Xylenes	10.37	106	246859	102.31	ug/l	97
68) o-Xylene	10.71	106	119800	50.30	ug/l	99
69) Styrene	10.72	104	198958	50.56	ug/l	99
70) Isopropylbenzene	11.02	105	321962	50.08	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	109373	49.32	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	99287m	48.74	ug/l	
73) Bromobenzene	11.26	156	87178	52.47	ug/l	96
74) n-propylbenzene	11.37	91	375623	49.87	ug/l	99
75) 2-Chlorotoluene	11.43	91	215930	49.07	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	274596	50.55	ug/l	68
77) t-1,4-Dichloro-2-butene	11.09	75	37595	52.88	ug/l	94
78) 4-Chlorotoluene	11.52	91	258972	49.92	ug/l	98
79) tert-butylbenzene	11.78	119	276088m	50.58	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	281577	50.04	ug/l	100
81) sec-Butylbenzene	11.96	105	338171	50.06	ug/l	100
82) p-Isopropyltoluene	12.07	119	306476	50.74	ug/l	100
83) 1,3-Dichlorobenzene	12.04	146	163168	51.06	ug/l	98
84) 1,4-Dichlorobenzene	12.11	146	169034	51.38	ug/l	99
85) n-Butylbenzene	12.40	91	279113	49.43	ug/l	98
86) Hexachloroethane	12.60	117	52559	53.13	ug/l	95
87) 1,2-Dichlorobenzene	12.40	146	161988	50.52	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	31521	51.10	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	120833	52.63	ug/l	100
90) Hexachlorobutadiene	13.79	225	52398	54.80	ug/l	97
91) Naphthalene	13.84	128	415668	50.50	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	121306	51.90	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022018\
Data File : VX000107.D
Acq On : 20 Feb 2018 14:17
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM

Quant Time: Feb 21 06:07:09 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

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

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

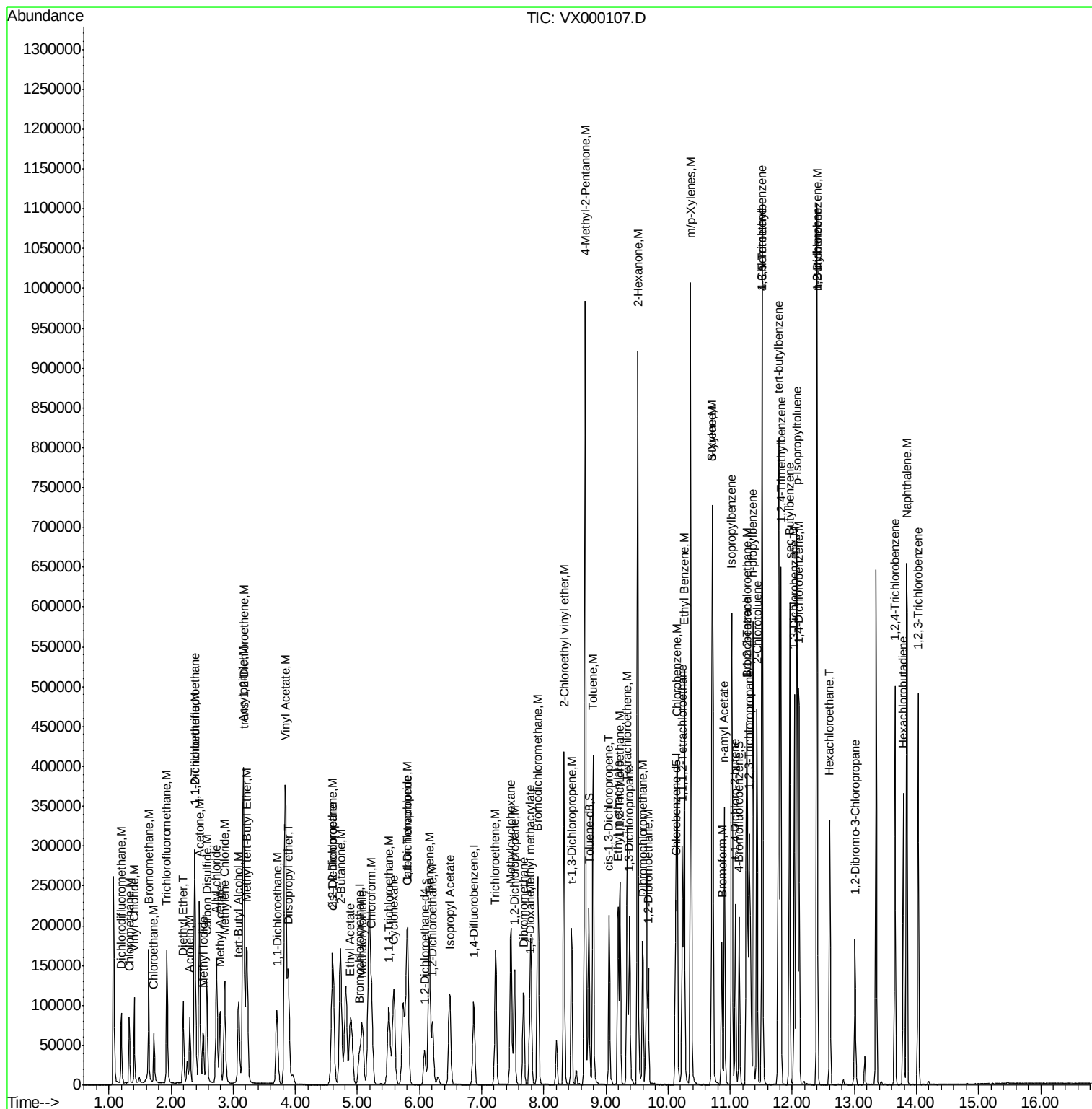
```
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022018\  
Data File : VX000107.D  
Acq On    : 20 Feb 2018   14:17  
Operator  : JC/MD  
Sample    : VSTDICC050  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

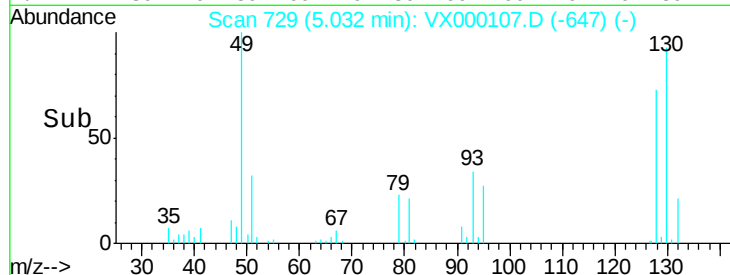
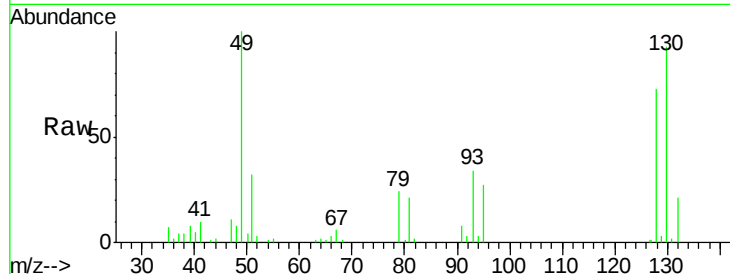
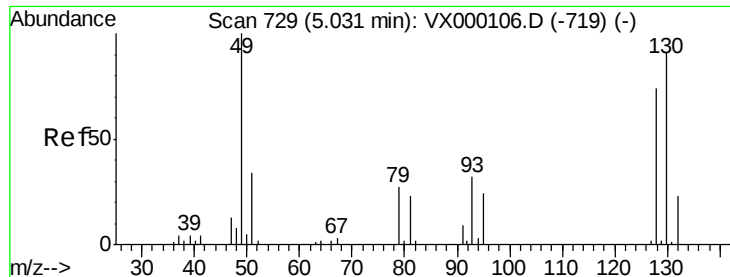
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

apatel
2/22/2018 4:04:27 PM

Quant Time: Feb 21 06:07:09 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration





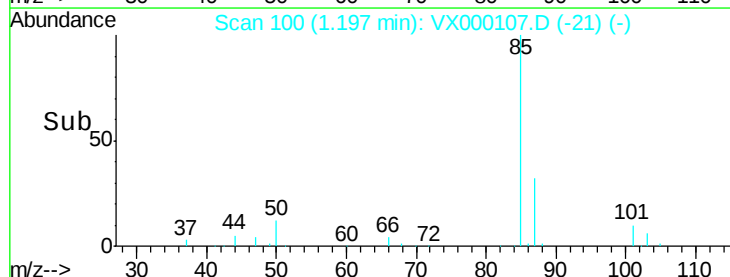
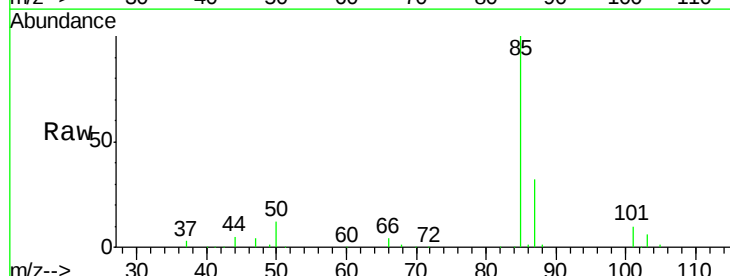
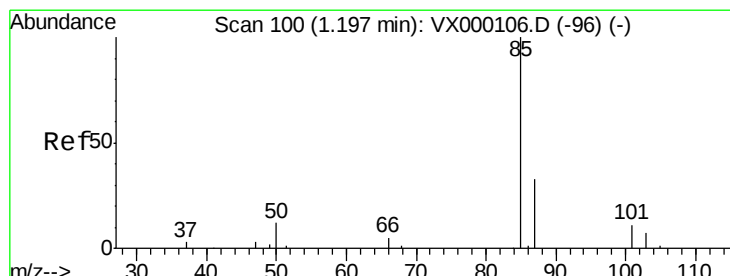
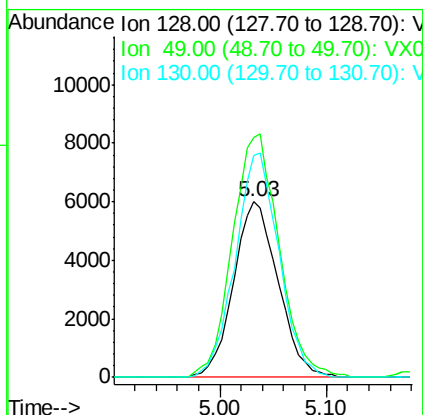
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tot Ion	Ratio	Lower	Upper
128	100		
49	145.0	0.0	378.3
130	125.3	0.0	324.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

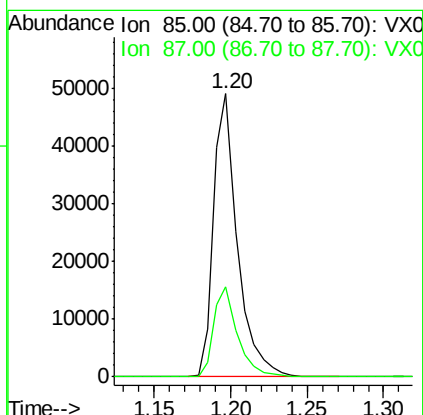
Manual Integrations
APPROVED

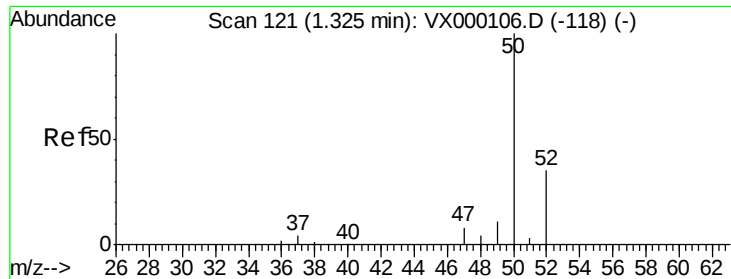
apatel
2/22/2018 4:04:27 PM



#2
Dichlorodifluoromethane
Concen: 50.12 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.7





#3

Chloromethane

Concen: 46.58 ug/l

RT: 1.33 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 50 Resp: 51574

Ion Ratio Lower Upper

50 100

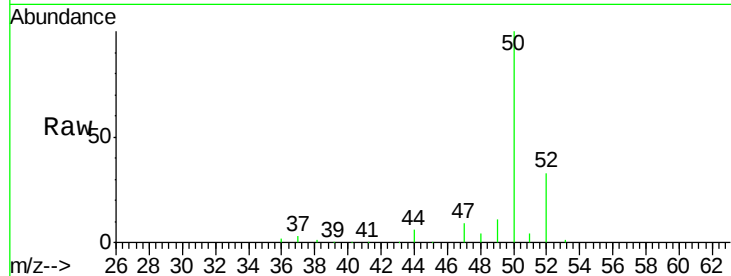
52 33.1 27.8 41.6

Manual Integrations

APPROVED

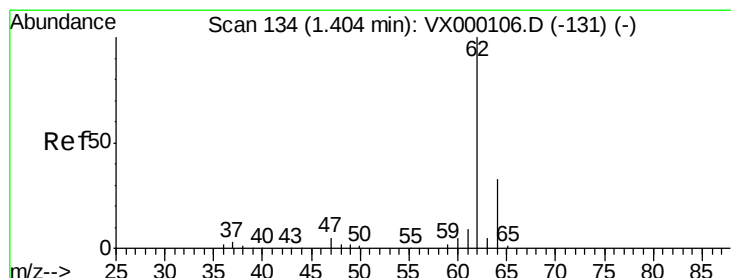
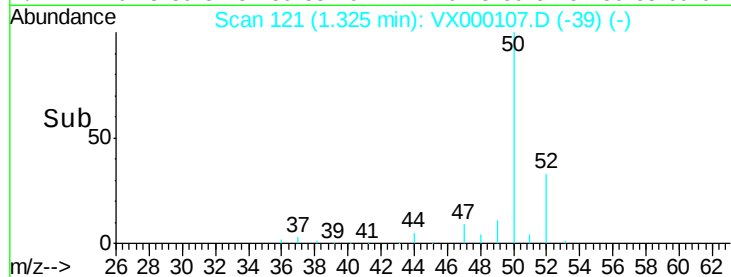
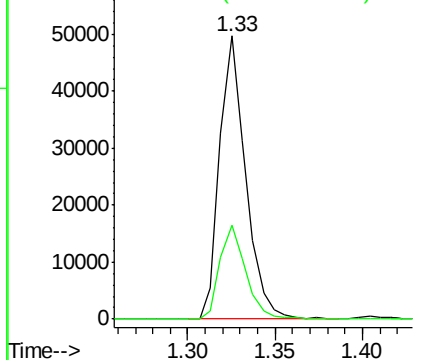
apatel

2/22/2018 4:04:27 PM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 48.19 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000107.D

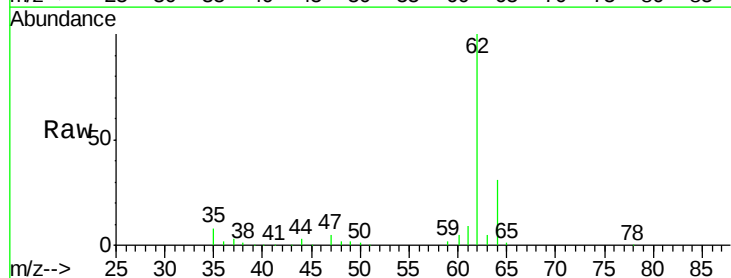
Acq: 20 Feb 2018 14:17

Tgt Ion: 62 Resp: 62645

Ion Ratio Lower Upper

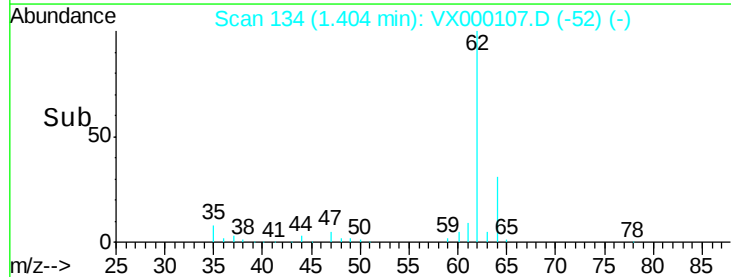
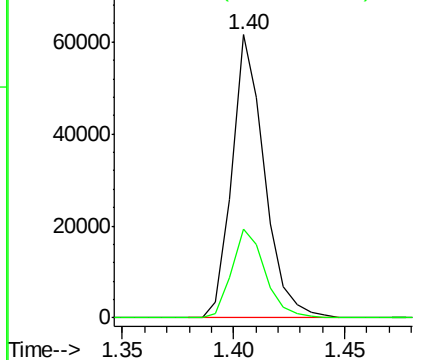
62 100

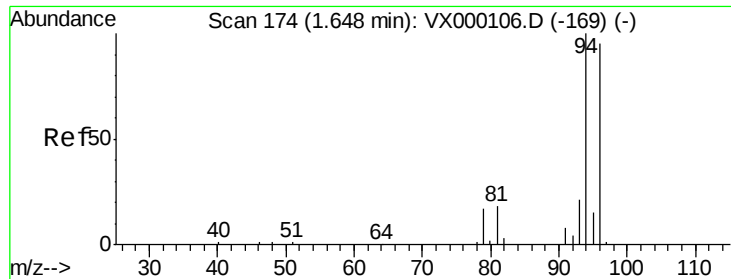
64 31.2 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 48.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 56893

Ion Ratio Lower Upper

94 100

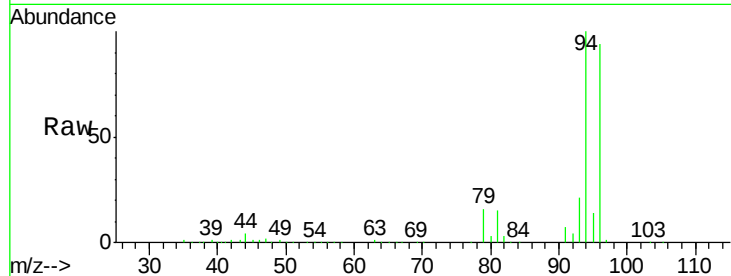
96 93.7 76.2 114.2

Manual Integrations

APPROVED

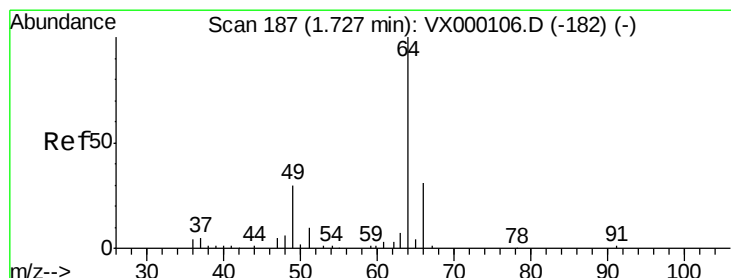
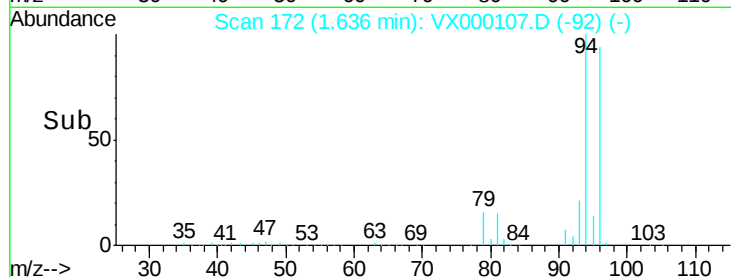
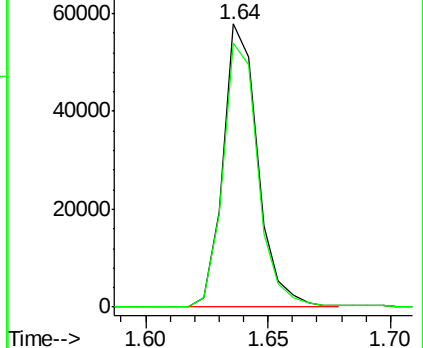
apatel

2/22/2018 4:04:27 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 47.93 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000107.D

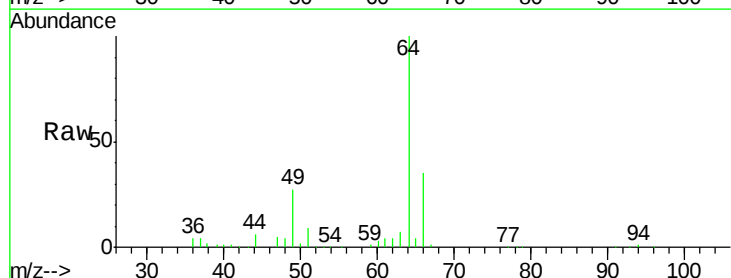
Acq: 20 Feb 2018 14:17

Tgt Ion: 64 Resp: 39223

Ion Ratio Lower Upper

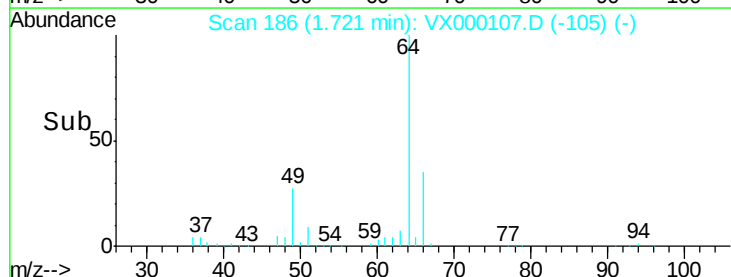
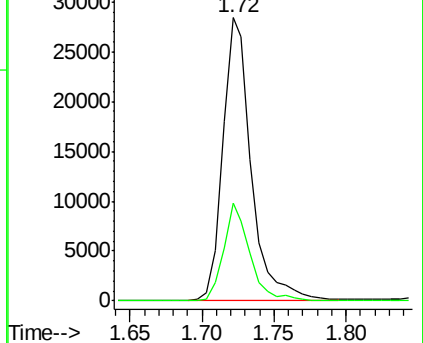
64 100

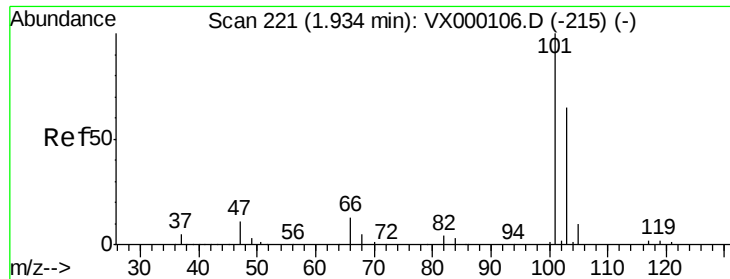
66 34.8 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

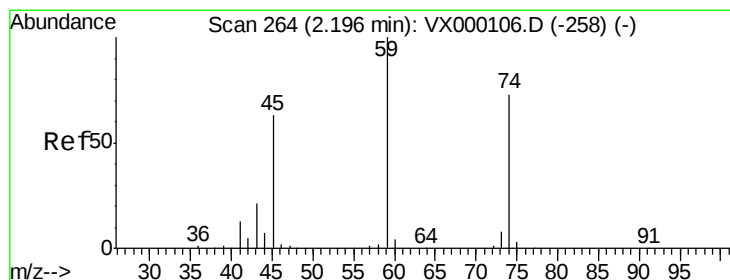
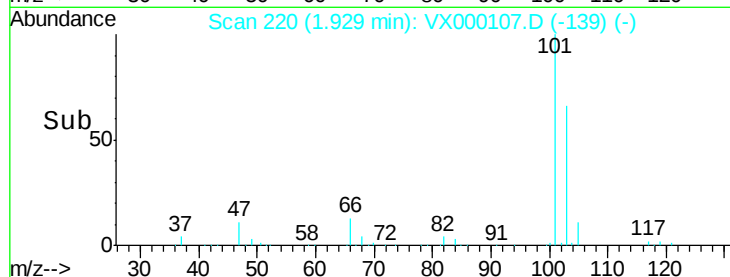
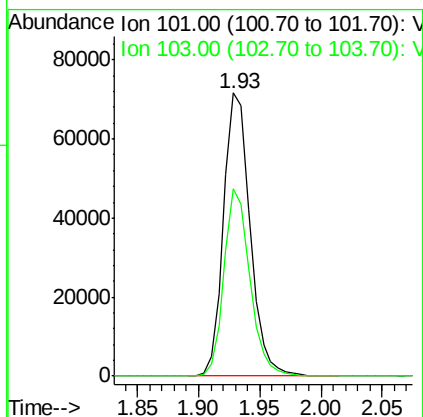
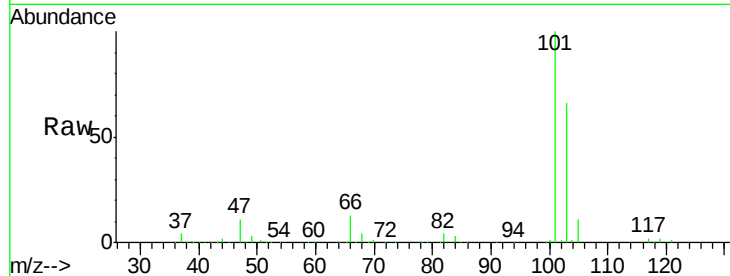
Trichlorofluoromethane
Concen: 48.68 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.4

Manual Integrations
APPROVED

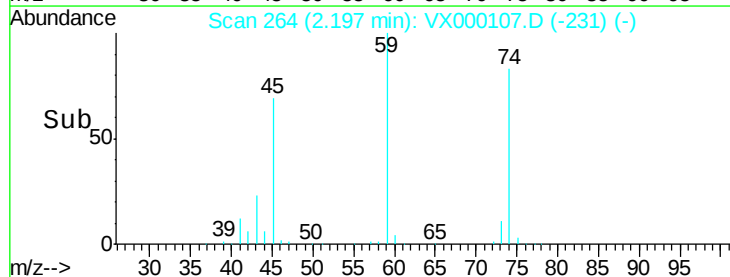
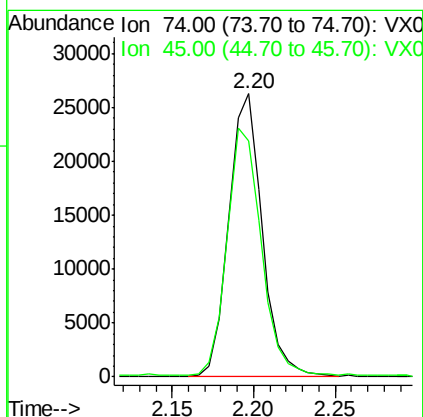
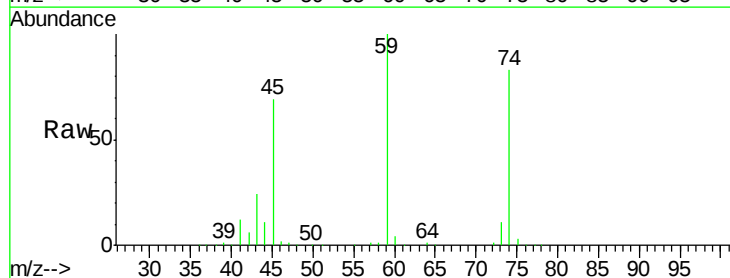
apatel
2/22/2018 4:04:27 PM

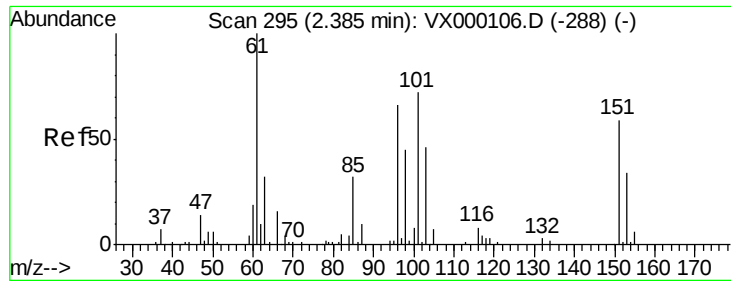


#8

Diethyl Ether
Concen: 46.21 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	17.8	159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.51 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

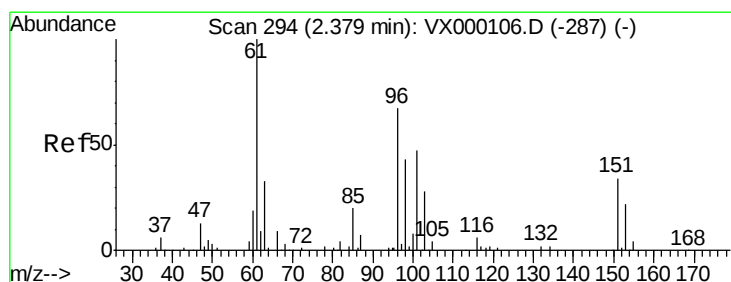
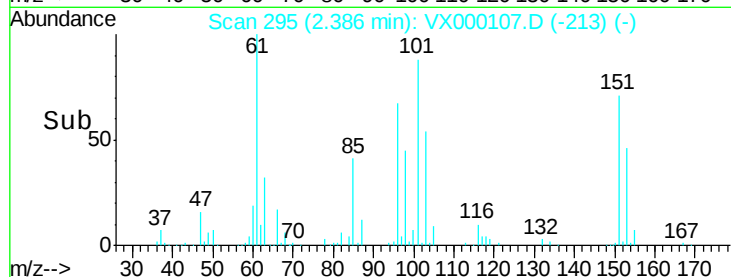
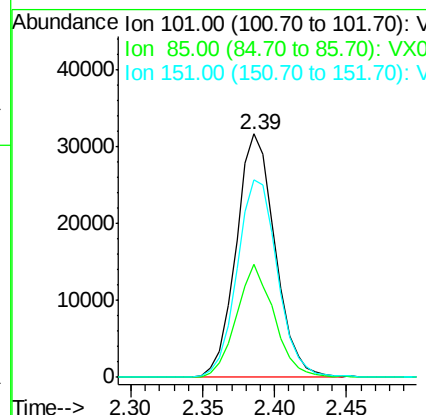
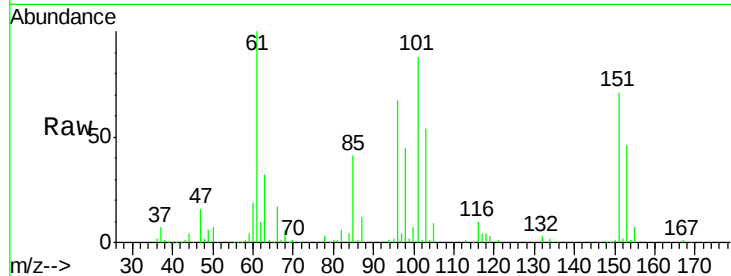
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	59592
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	90.4
151	84.0	0.0	167.6

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#10

1,1-Dichloroethene

Concen: 47.80 ug/l

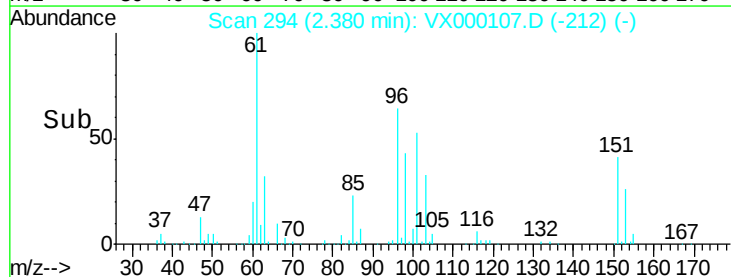
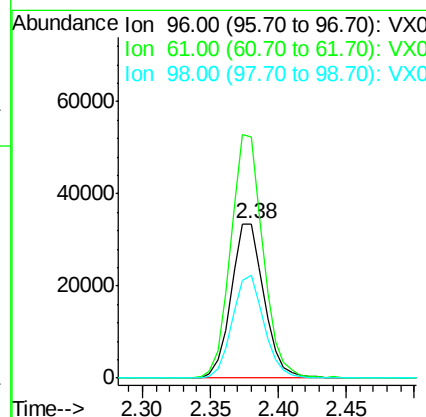
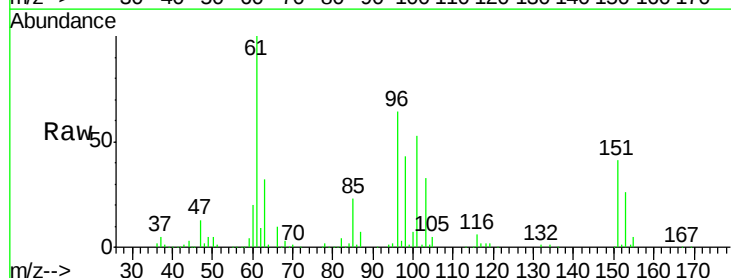
RT: 2.38 min Scan# 294

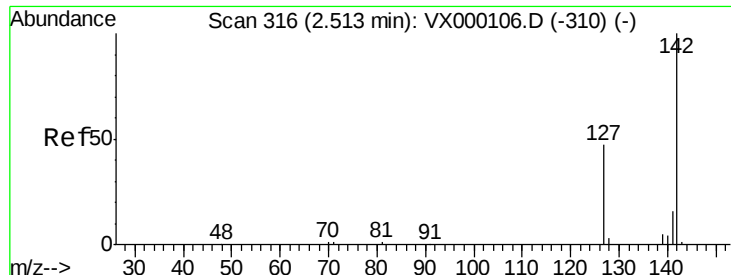
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	96	Resp:	56364
Ion Ratio	Lower	Upper	
96	100		
61	155.6	118.6	178.0
98	66.3	51.0	76.6





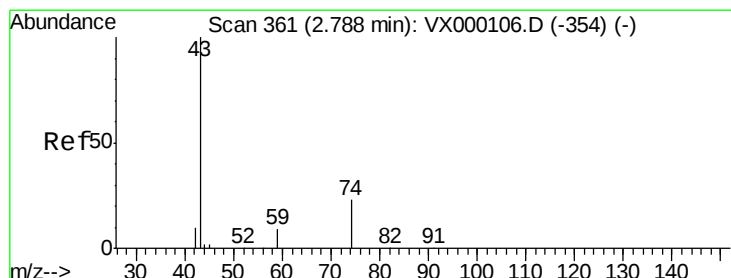
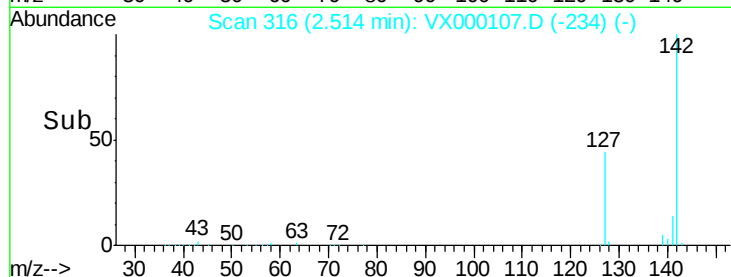
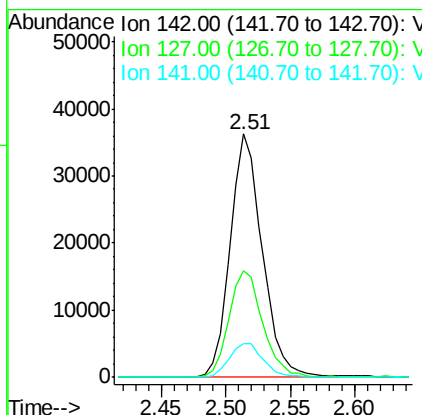
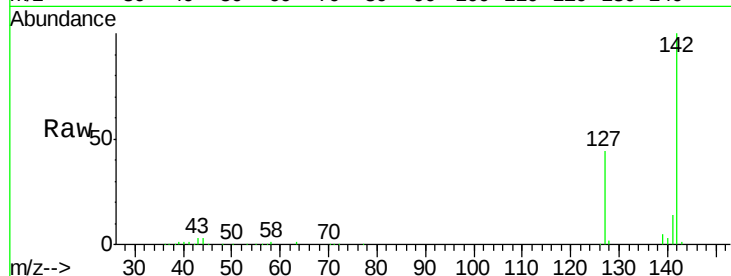
#11
Methvl Iodide
Concen: 66.80 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.5	23.8	71.5
141	13.8	8.2	24.4

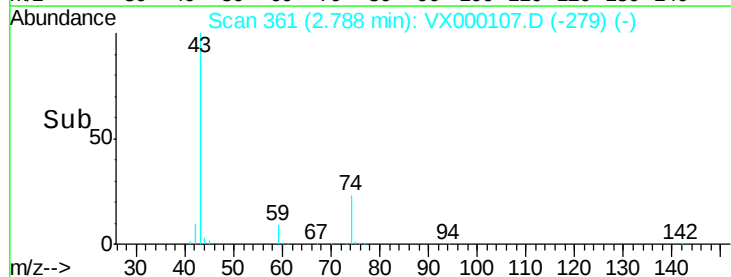
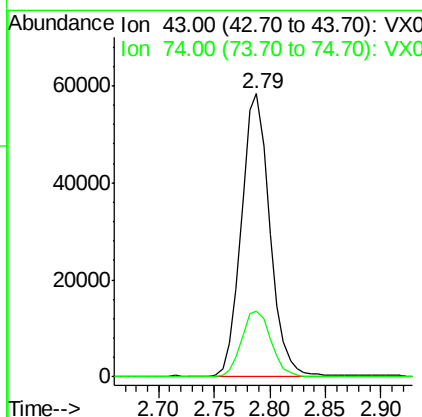
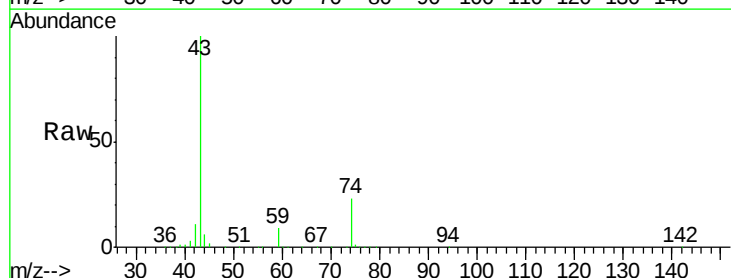
Manual Integrations
APPROVED

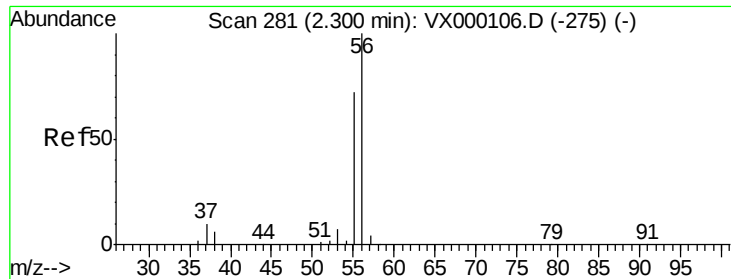
apatel
2/22/2018 4:04:27 PM



#12
Methyl Acetate
Concen: 49.12 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.6	27.8





#13

Acrolein

Concen: 236.46 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 56 Resp: 56727

Ion Ratio Lower Upper

56 100

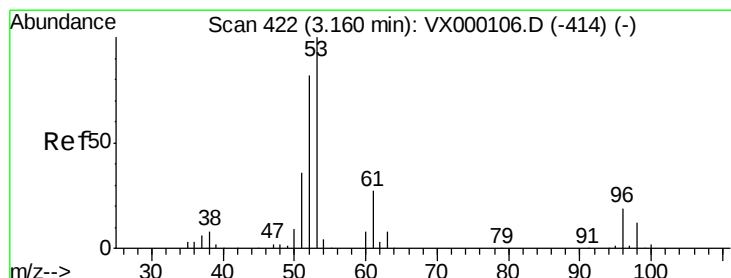
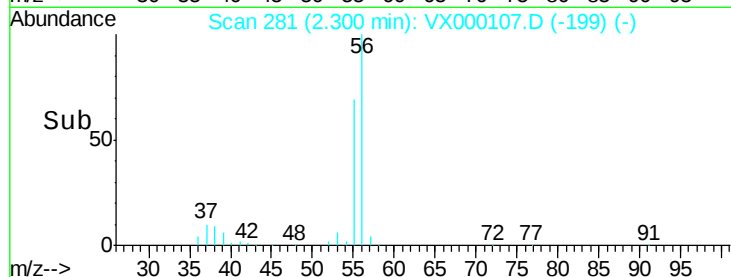
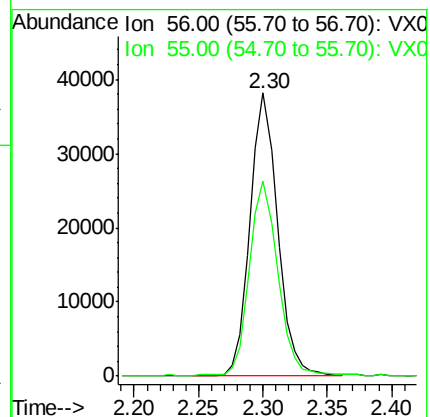
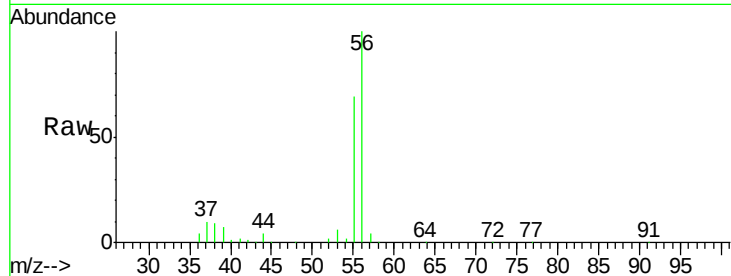
55 71.3 57.3 85.9

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



#14

Acrylonitrile

Concen: 244.77 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

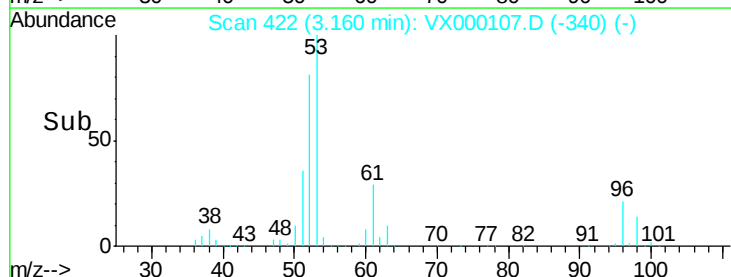
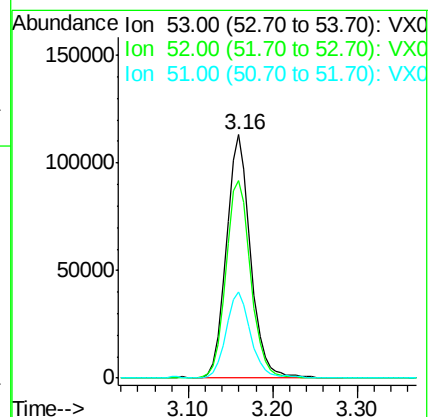
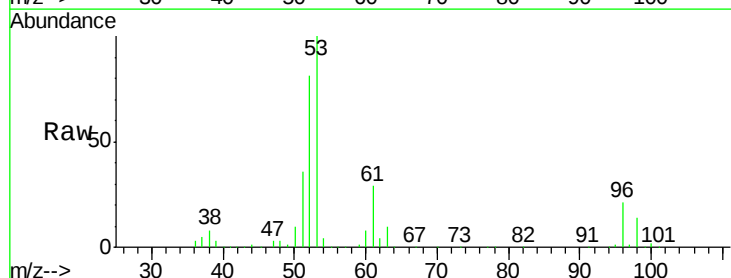
Tgt Ion: 53 Resp: 223422

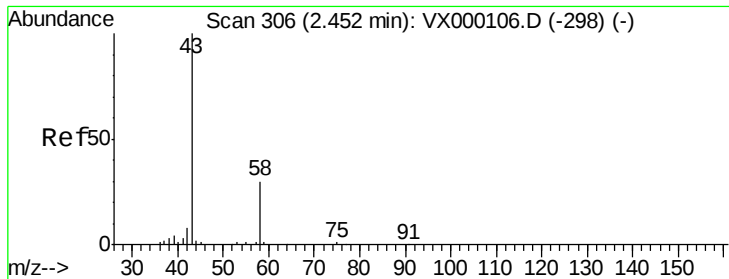
Ion Ratio Lower Upper

53 100

52 82.9 41.9 125.8

51 34.8 18.8 56.3





#15

Acetone

Concen: 236.39 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 73554

Ion Ratio Lower Upper

58 100

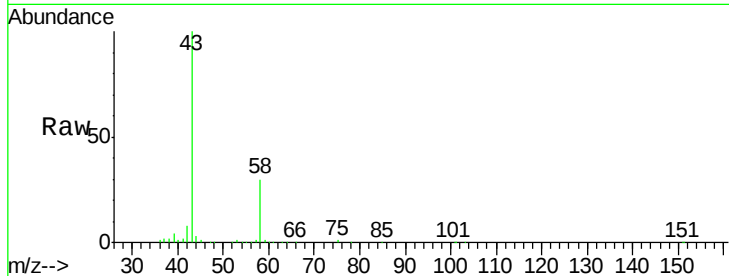
43 334.4 264.6 396.8

Manual Integrations

APPROVED

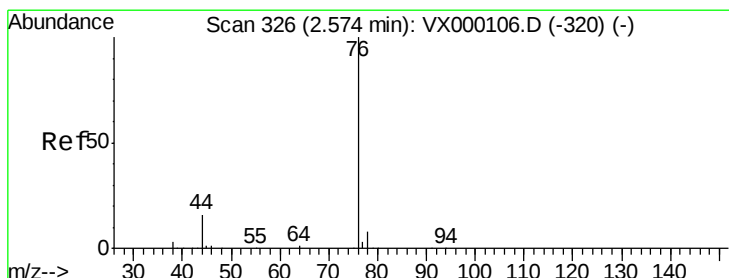
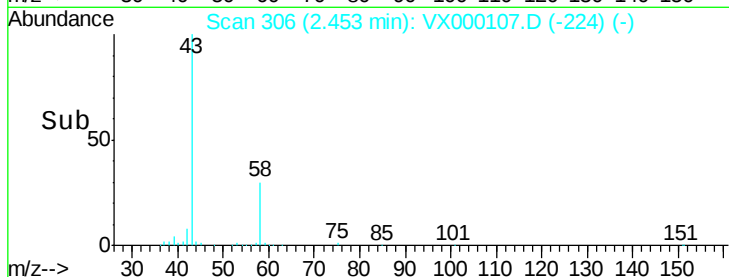
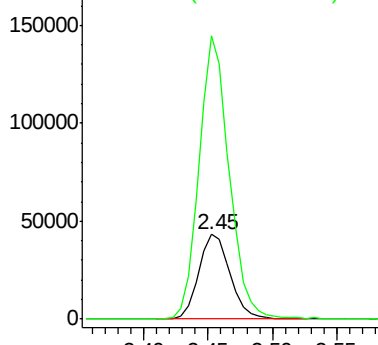
apatel

2/22/2018 4:04:27 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 48.49 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000107.D

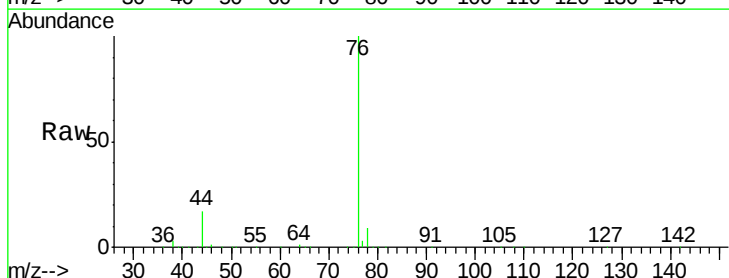
Acq: 20 Feb 2018 14:17

Tgt Ion: 76 Resp: 160876

Ion Ratio Lower Upper

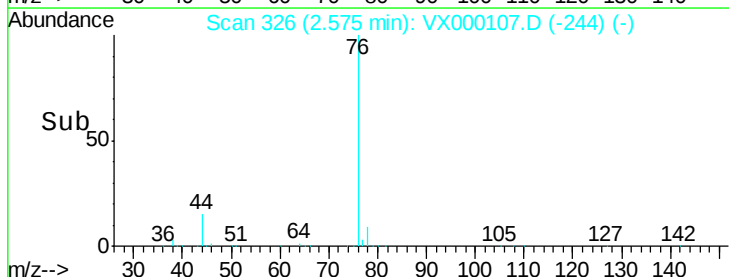
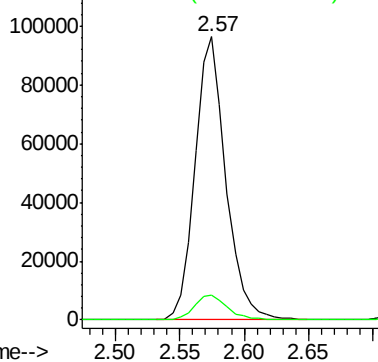
76 100

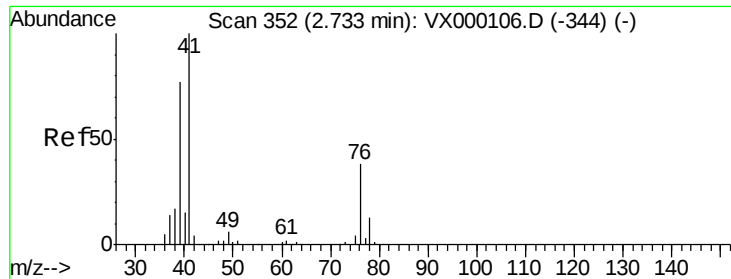
78 8.6 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





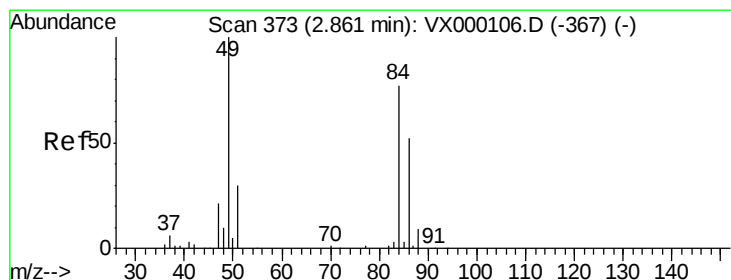
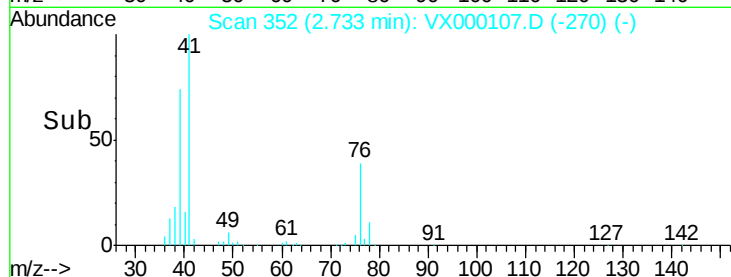
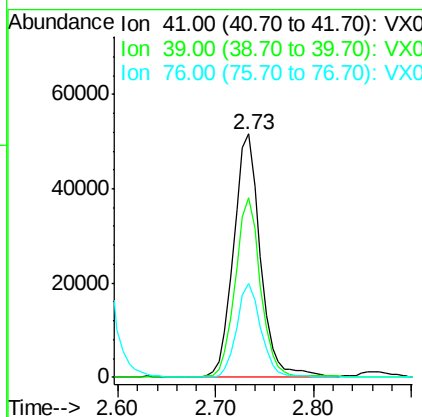
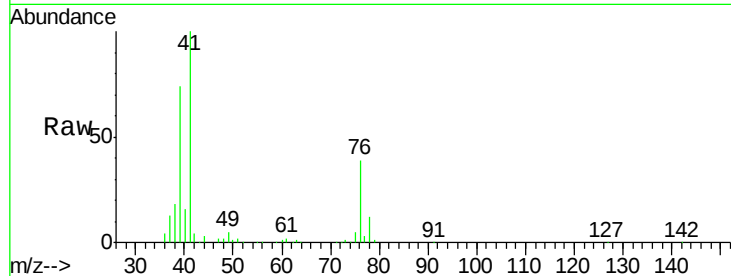
#17
Allvl chloride
Concen: 49.48 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.6	38.5	115.5
76	38.9	18.7	56.1

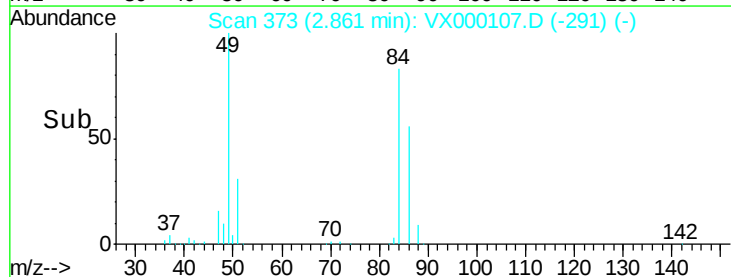
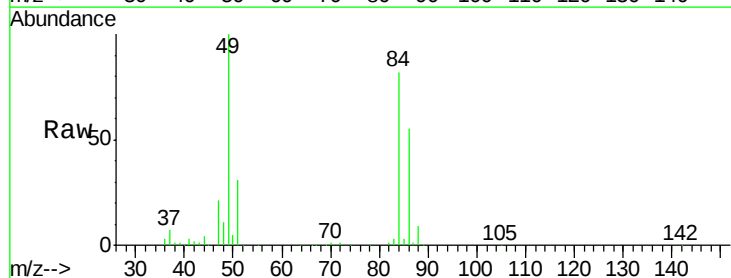
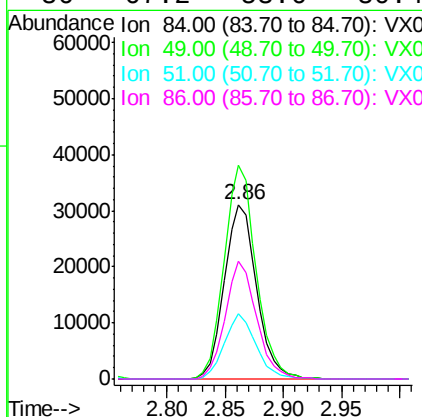
Manual Integrations
APPROVED

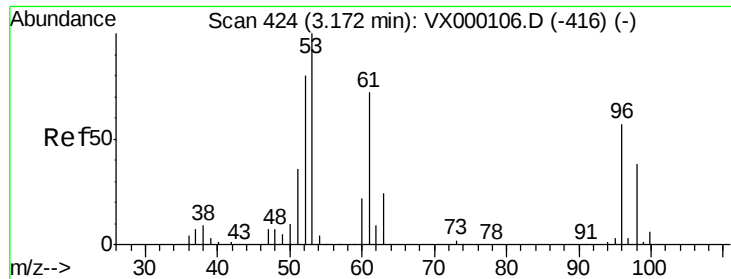
apatel
2/22/2018 4:04:27 PM



#18
Methylene Chloride
Concen: 47.58 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	103.3	154.9
51	37.5	31.2	46.8
86	67.2	53.6	80.4





#19

trans-1,2-Dichloroethene

Concen: 47.96 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

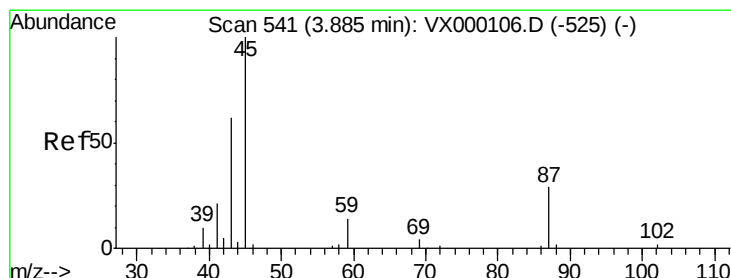
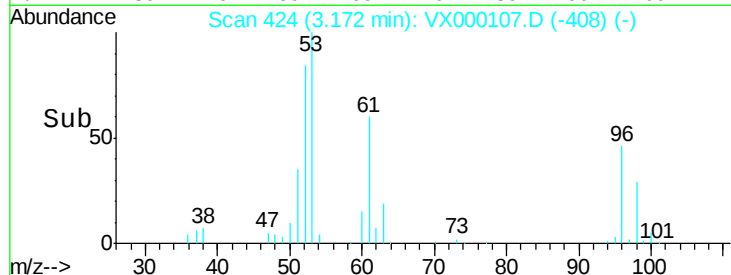
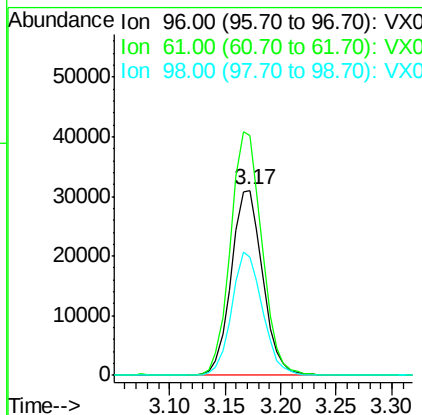
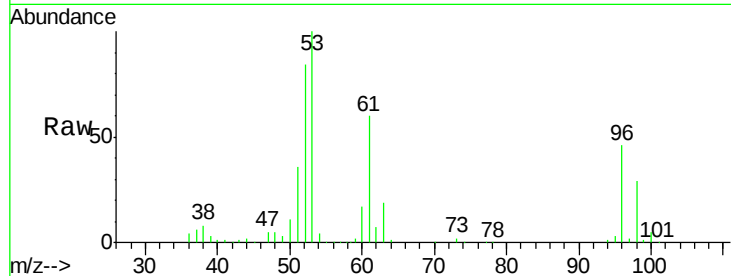
ClientSampled :

VSTDIC050

Tot Ion:	96	Resp:	60730
Ion	Ratio	Lower	Upper
96	100		
61	129.7	101.0	151.6
98	63.9	53.3	79.9

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#20

Diisopropyl ether

Concen: 50.85 ug/l

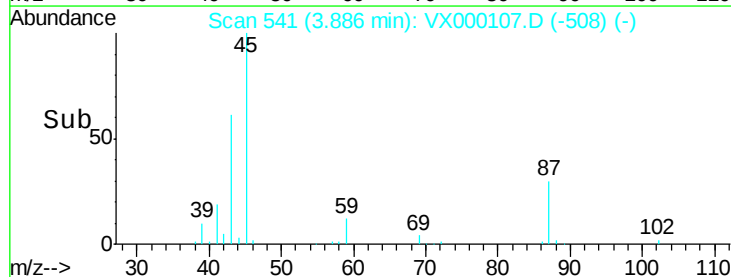
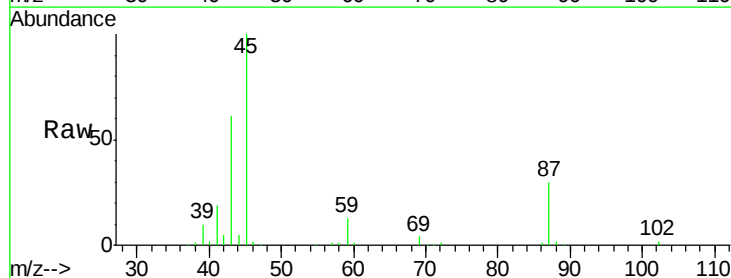
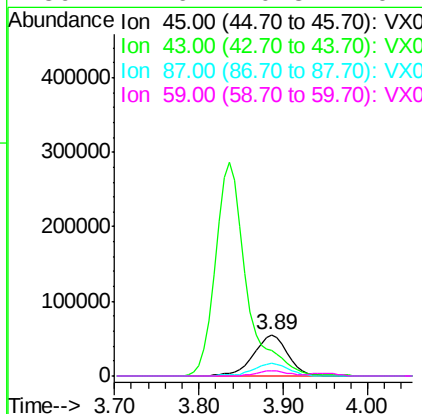
RT: 3.89 min Scan# 541

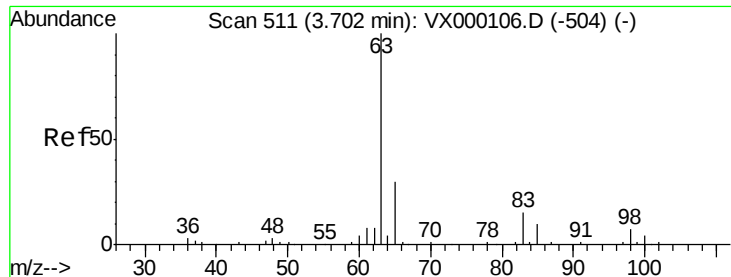
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	45	Resp:	153882
Ion	Ratio	Lower	Upper
45	100		
43	58.8	49.6	74.4
87	30.1	23.1	34.7
59	12.6	10.8	16.2





#21

1,1-Dichloroethane

Concen: 46.74 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

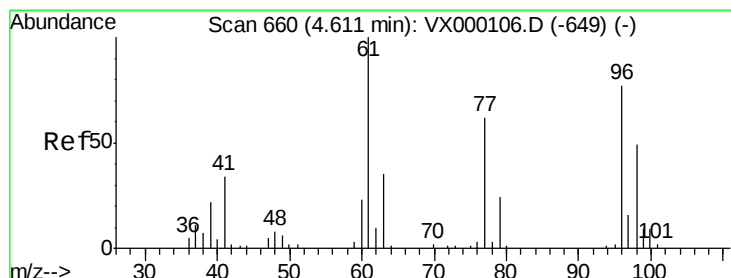
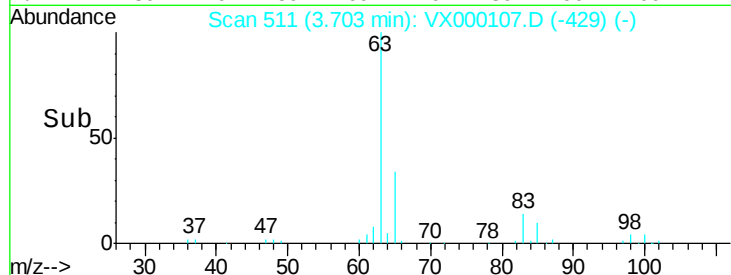
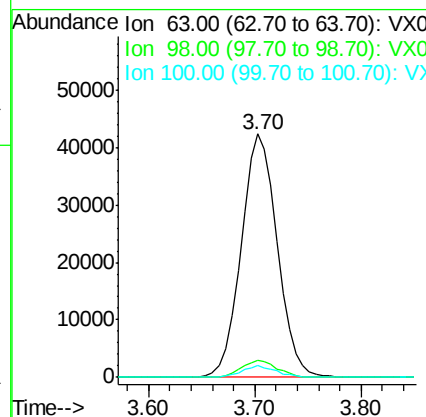
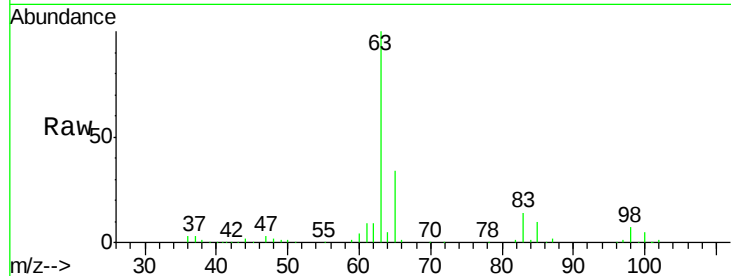
ClientSampled :

VSTDIC050

Tot Ion:	63	Resp:	100611
Ion Ratio	Lower	Upper	
63	100		
98	7.1	3.3	9.9
100	4.8	2.1	6.5

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#22

cis-1,2-Dichloroethene

Concen: 49.04 ug/l

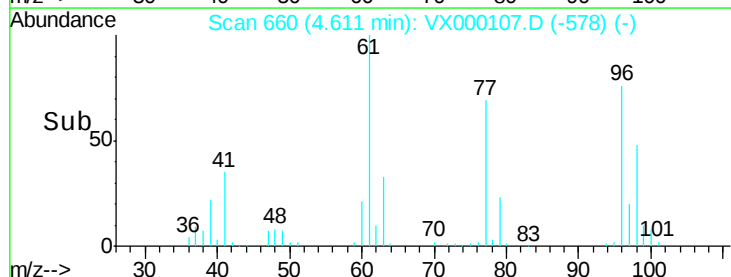
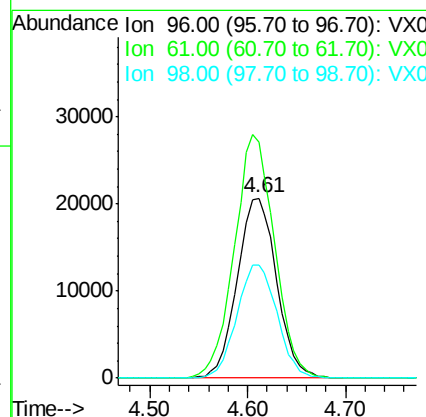
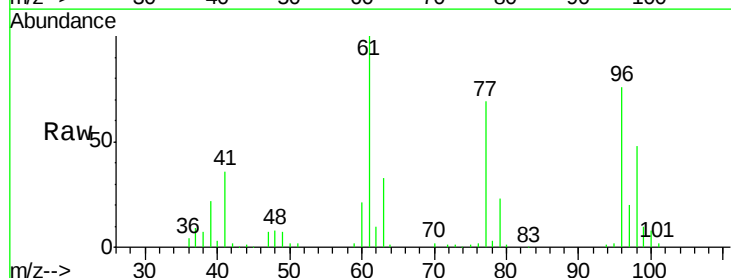
RT: 4.61 min Scan# 660

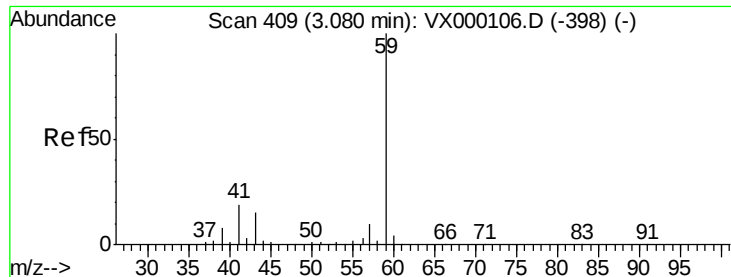
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	96	Resp:	57732
Ion Ratio	Lower	Upper	
96	100		
61	138.0	113.5	170.3
98	64.2	51.8	77.8





#23

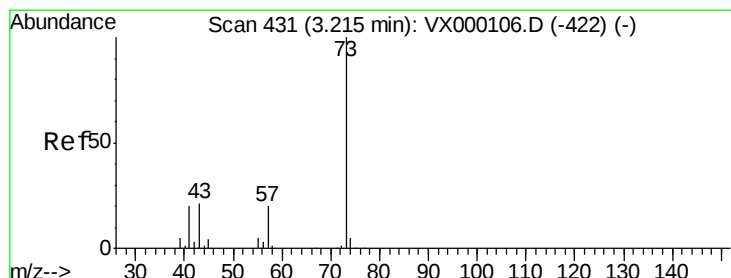
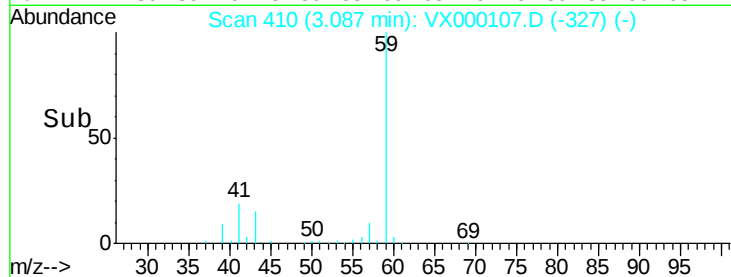
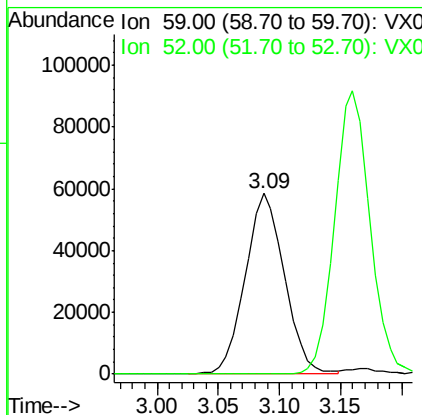
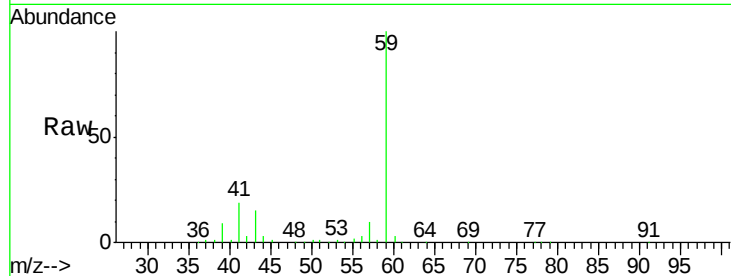
tert-Butyl Alcohol
 Concen: 245.47 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.1	0.1#

Manual Integrations
 APPROVED

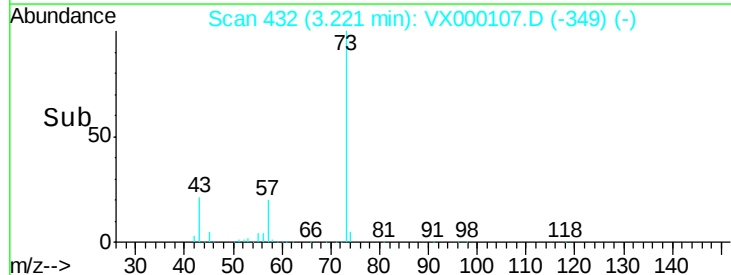
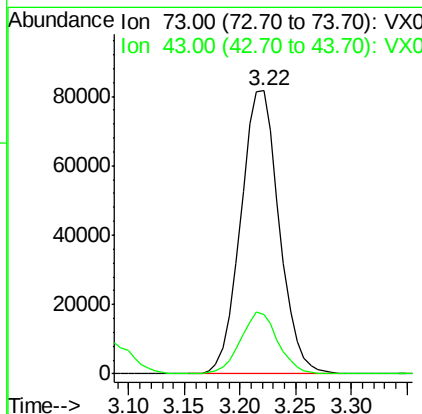
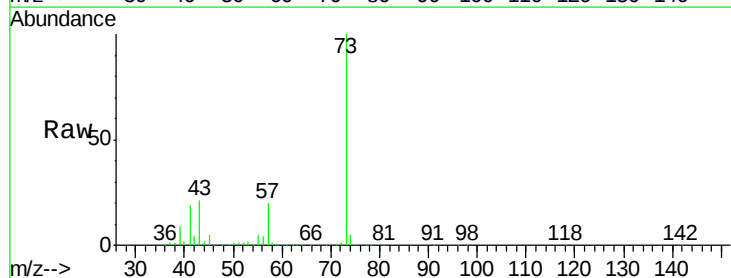
apatel
 2/22/2018 4:04:27 PM

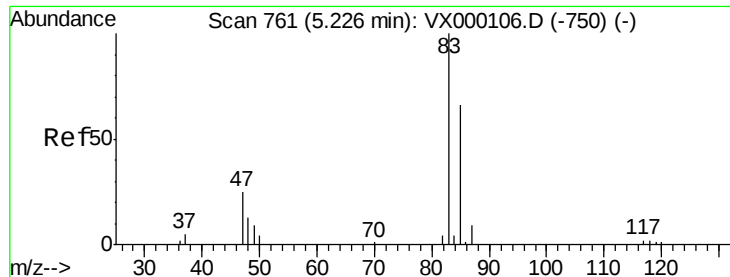


#24

Methyl tert-Butyl Ether
 Concen: 48.72 ug/l
 RT: 3.22 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.1	16.5	24.7





#25

Chloroform

Concen: 50.62 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 83 Resp: 103188

Ion Ratio Lower Upper

83 100

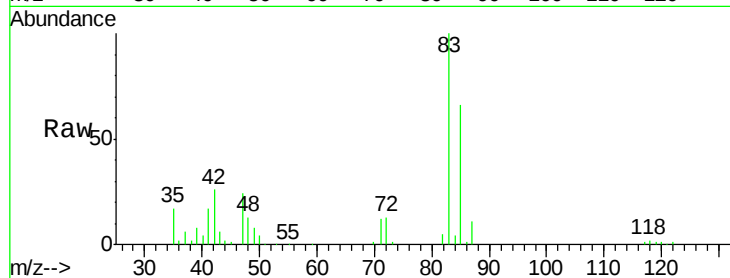
85 65.8 52.5 78.7

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

40000

30000

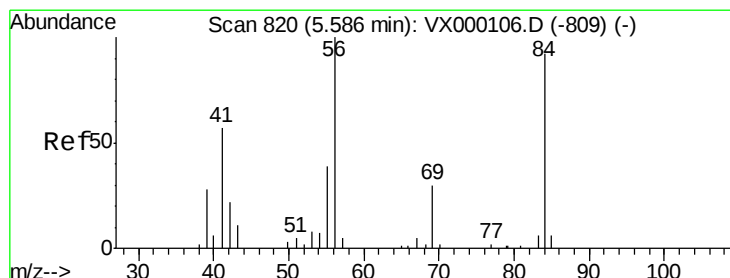
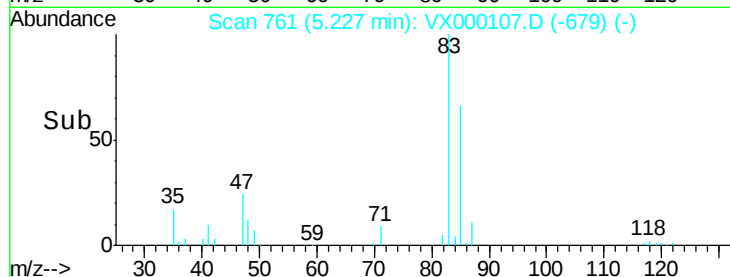
20000

10000

0

5.10 5.15 5.20 5.25 5.30

Time-->



#26

Cyclohexane

Concen: 50.74 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

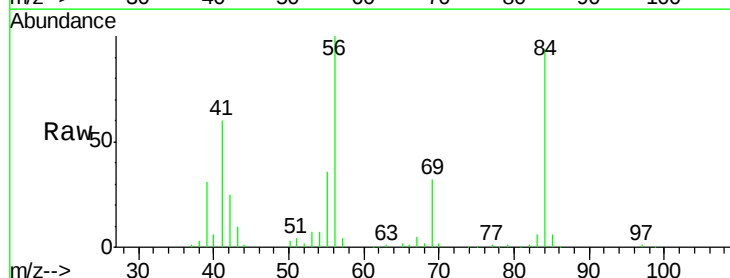
Tgt Ion: 56 Resp: 81461

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 93.6 74.8 112.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

50000

40000

30000

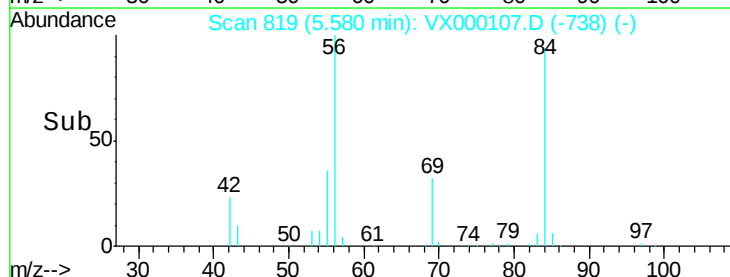
20000

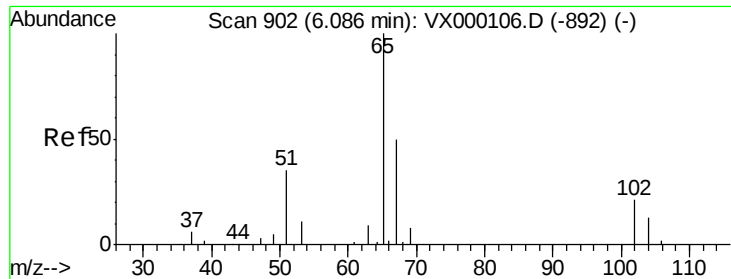
10000

0

5.50 5.55 5.60 5.65 5.70

Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.66 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 40053

Ion Ratio Lower Upper

65 100

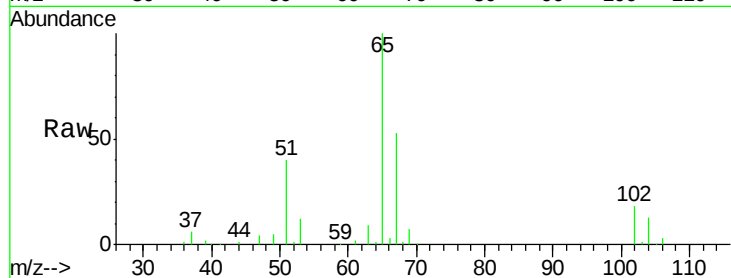
67 52.3 41.4 62.2

Manual Integrations

APPROVED

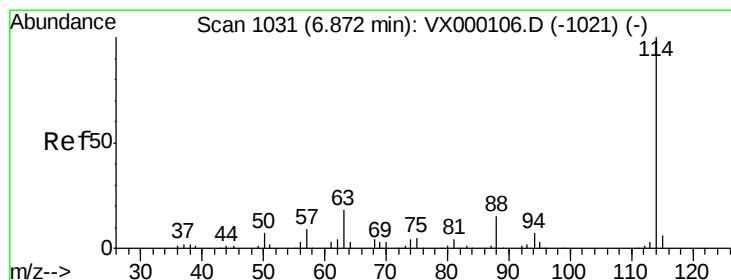
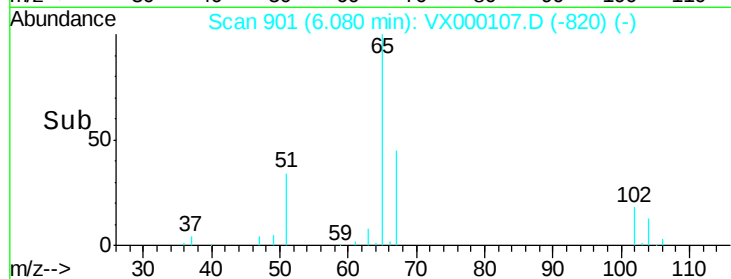
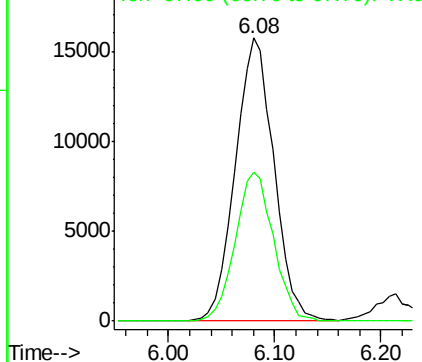
apatel

2/22/2018 4:04:27 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# 1031

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

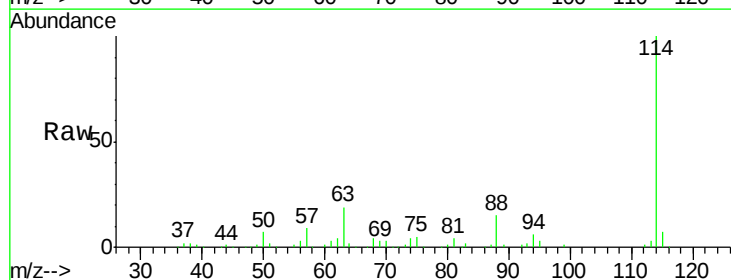
Tgt Ion: 114 Resp: 106053

Ion Ratio Lower Upper

114 100

63 18.5 15.0 22.4

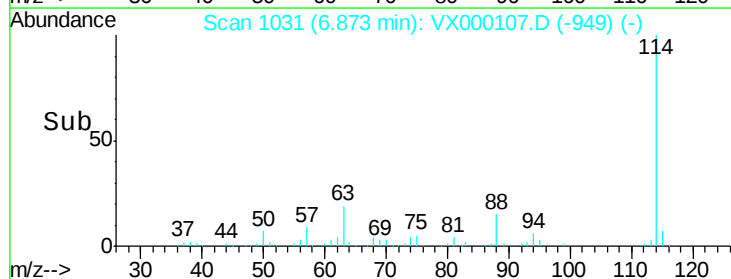
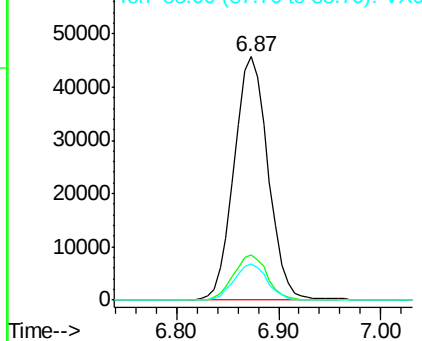
88 14.5 11.8 17.8

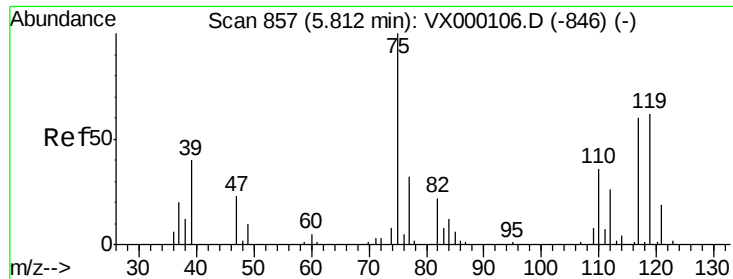


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





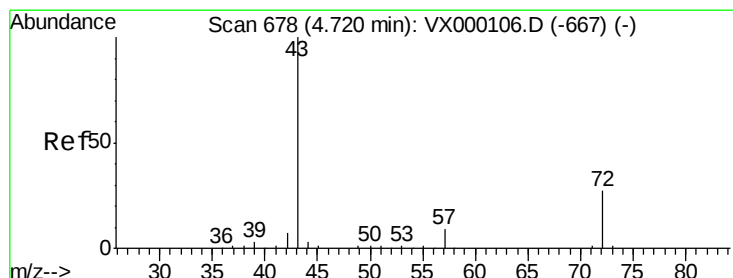
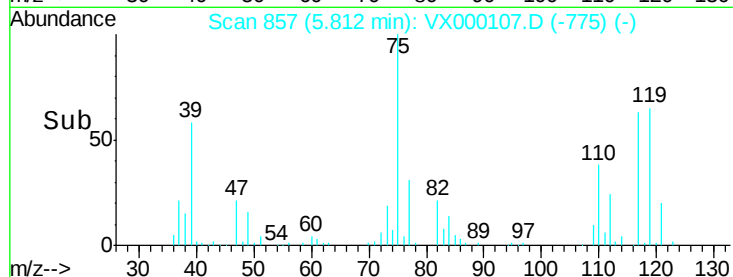
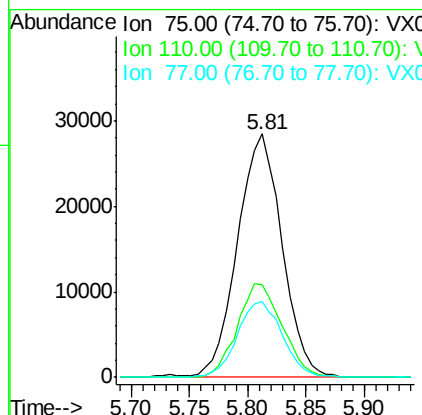
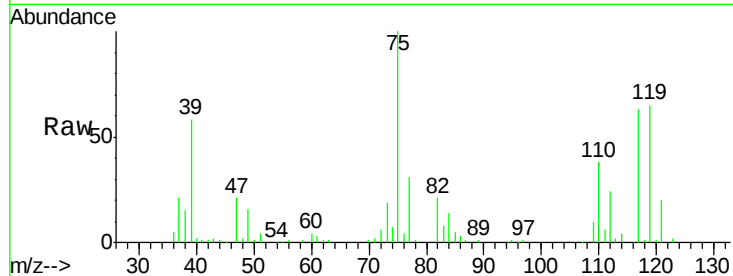
#29
 1,1-Dichloropropene
 Concen: 49.57 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.7	0.0	75.6
77	31.6	0.0	62.6

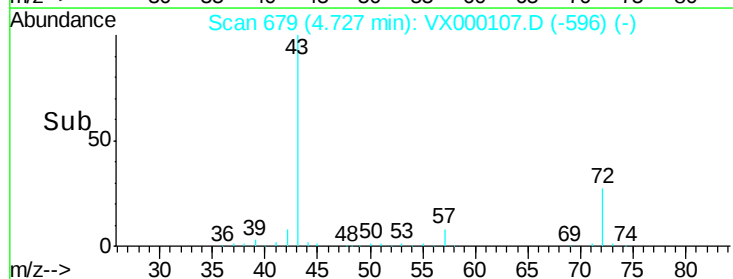
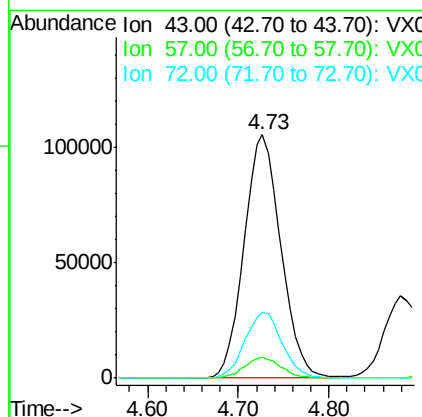
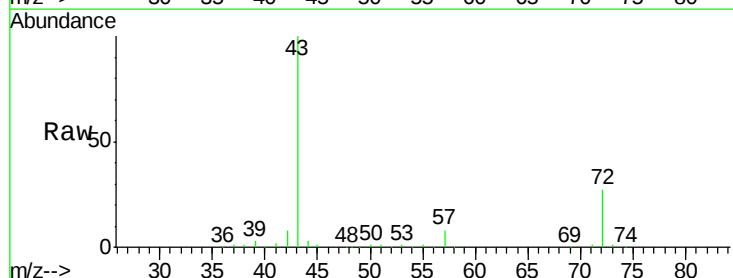
Manual Integrations
 APPROVED

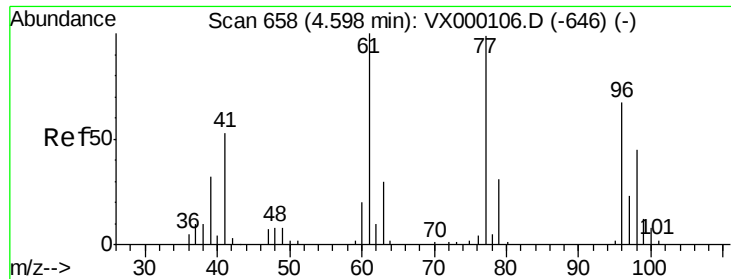
apatel
 2/22/2018 4:04:27 PM



#30
 2-Butanone
 Concen: 242.78 ug/l
 RT: 4.73 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	10.0
72	27.3	21.8	32.6





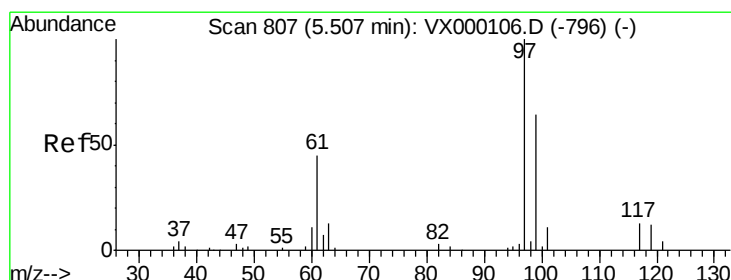
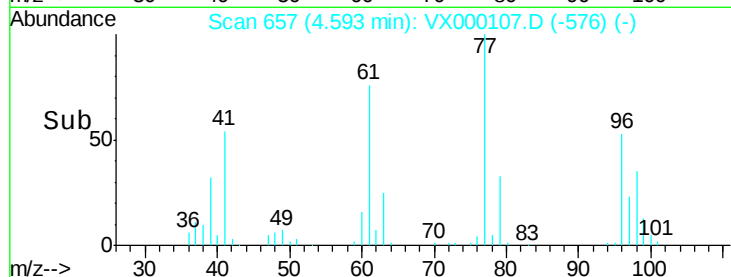
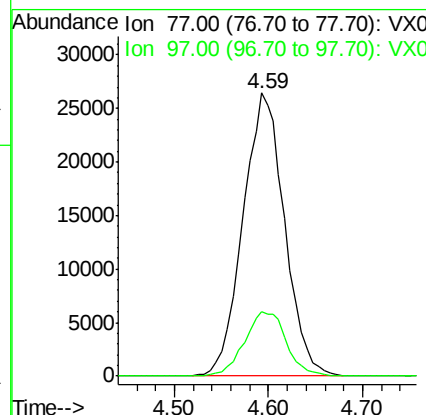
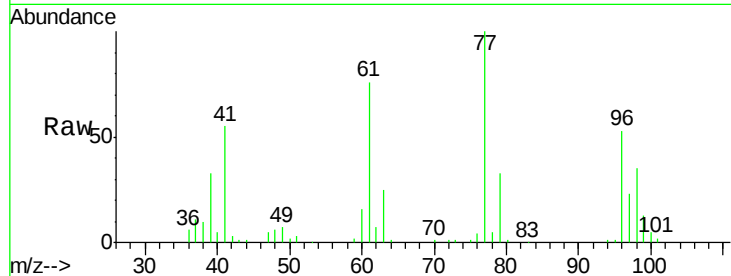
#31
 2,2-Dichloropropane
 Concen: 49.40 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 81434
 Ion Ratio Lower Upper
 77 100
 97 22.9 18.6 27.8

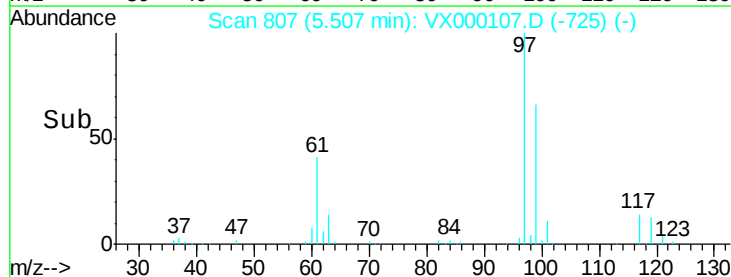
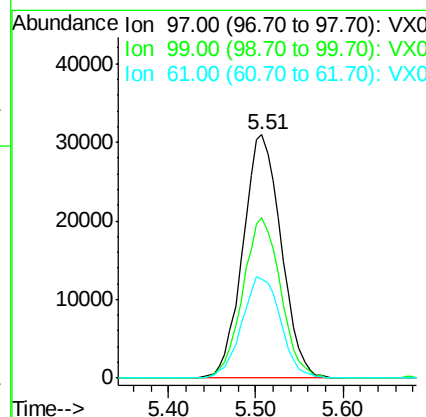
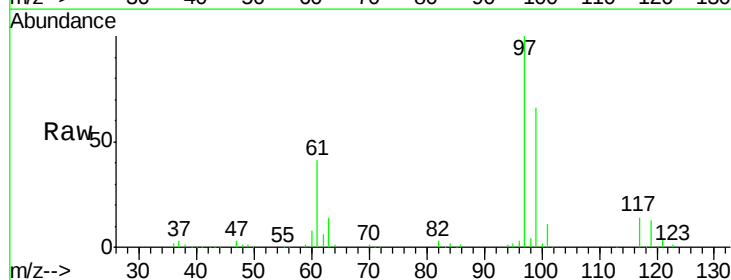
Manual Integrations
 APPROVED

apatel
 2/22/2018 4:04:27 PM



#32
 1,1,1-Trichloroethane
 Concen: 50.69 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 97 Resp: 94260
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.3 78.5
 61 42.2 34.3 51.5





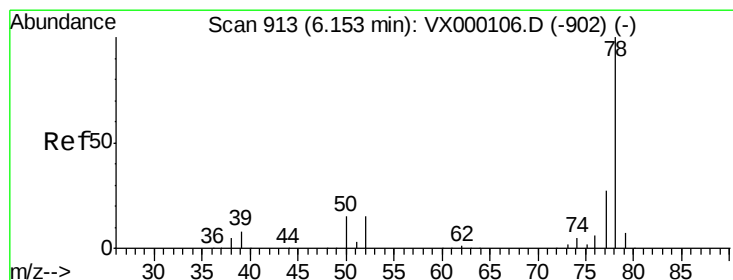
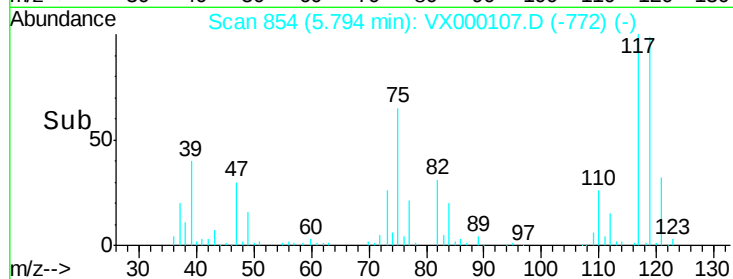
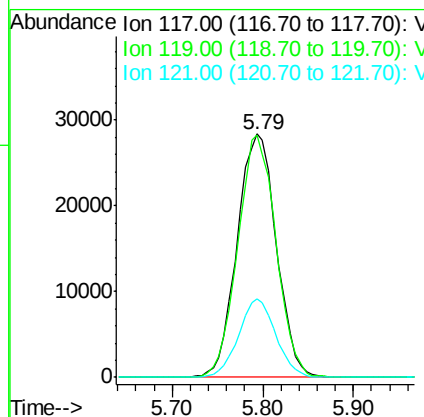
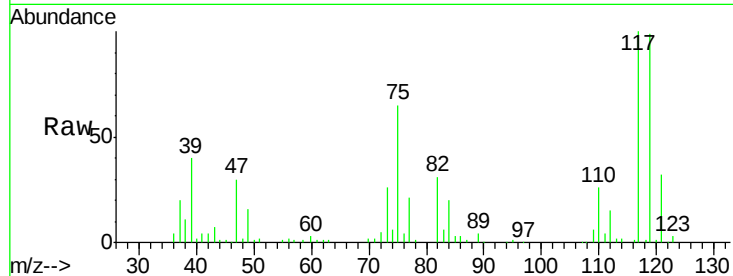
#33
Carbon Tetrachloride
Concen: 51.71 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.5	110.3
121	32.5	24.6	37.0

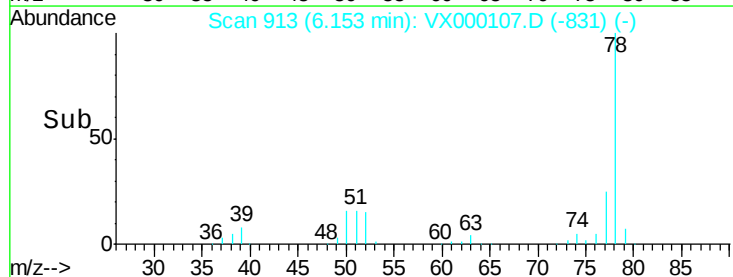
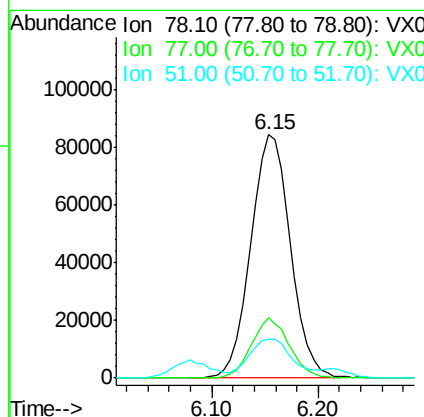
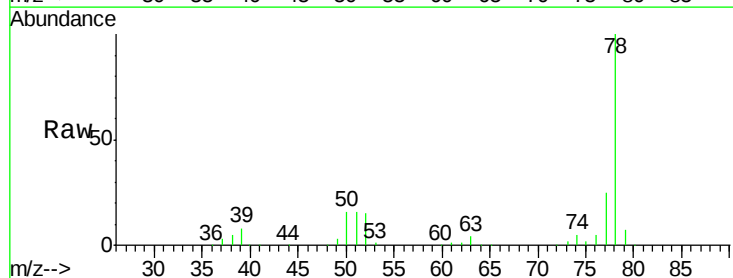
Manual Integrations
APPROVED

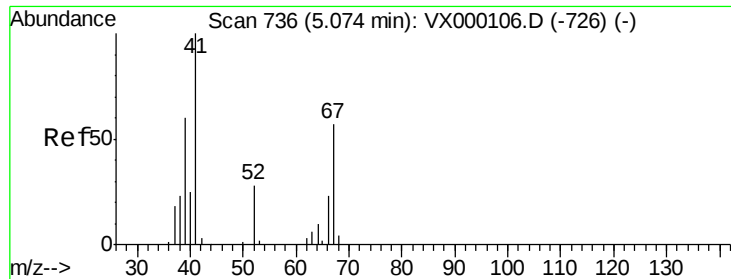
apatel
2/22/2018 4:04:27 PM



#34
Benzene
Concen: 49.44 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	21.7	32.5
51	12.9	14.9	22.3#





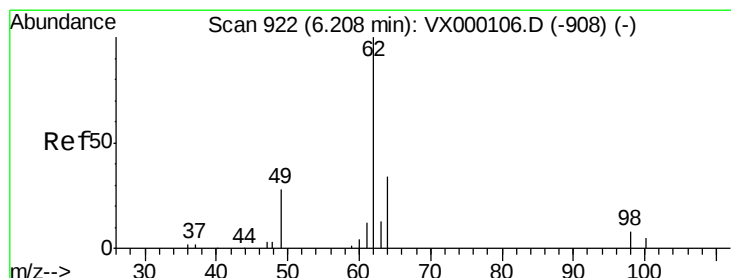
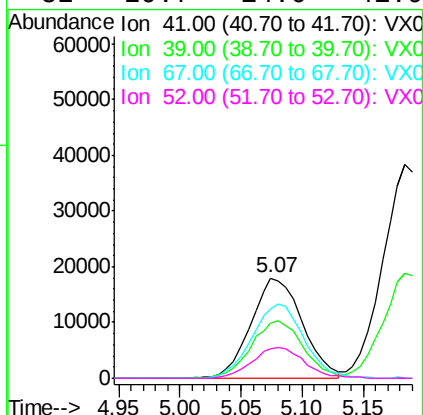
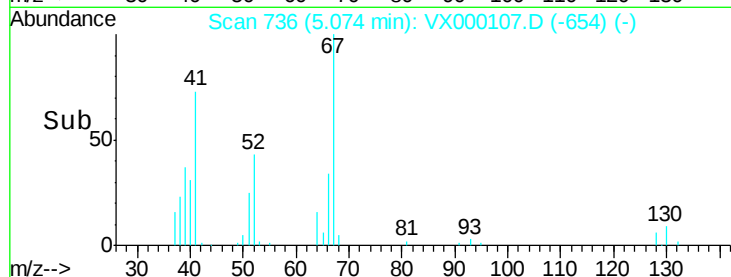
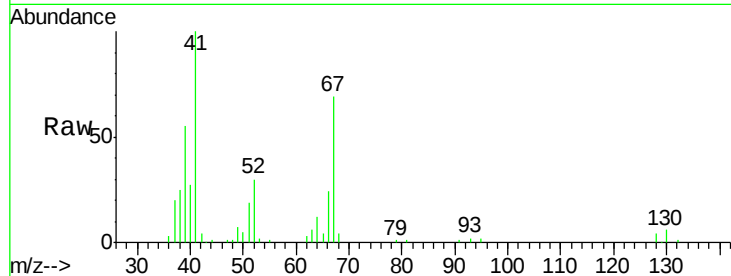
#35
Methacrylonitrile
Concen: 48.35 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	52642
Ion Ratio	Lower	Upper	
41	100		
39	54.2	29.8	89.3
67	69.1	28.7	86.3
52	29.7	14.0	41.9

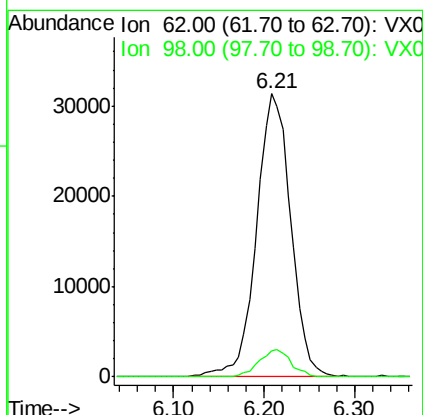
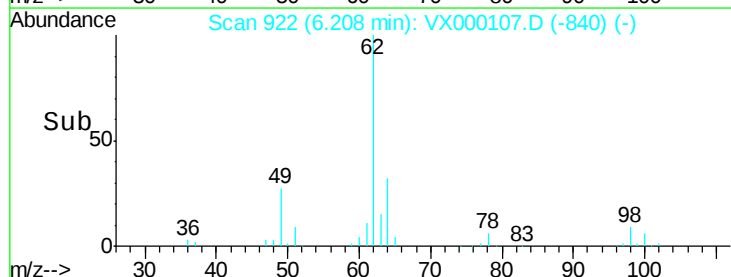
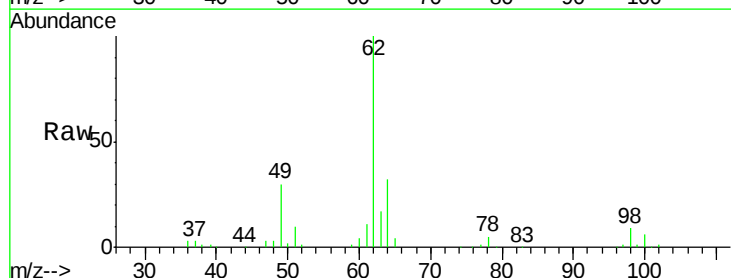
Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#36
1,2-Dichloroethane
Concen: 48.56 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion:	62	Resp:	81866
Ion Ratio	Lower	Upper	
62	100		
98	9.1	6.9	10.3





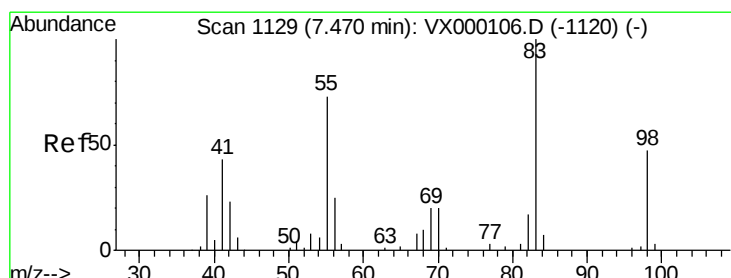
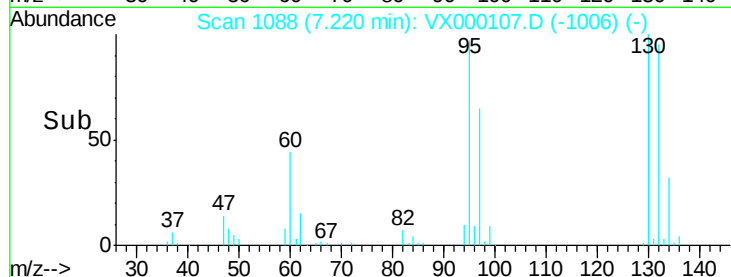
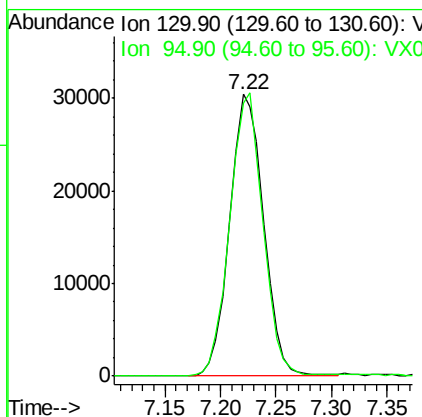
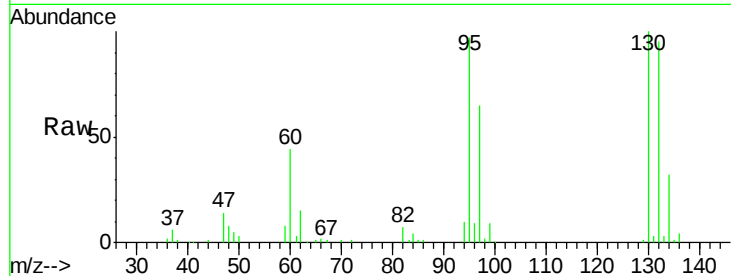
#37
 Trichloroethene
 Concen: 48.41 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 64274
 Ion Ratio Lower Upper
 130 100
 95 96.8 74.6 112.0

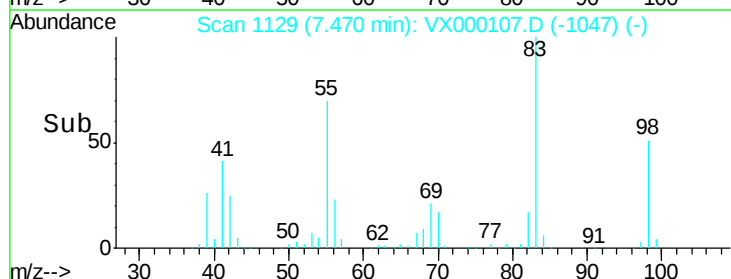
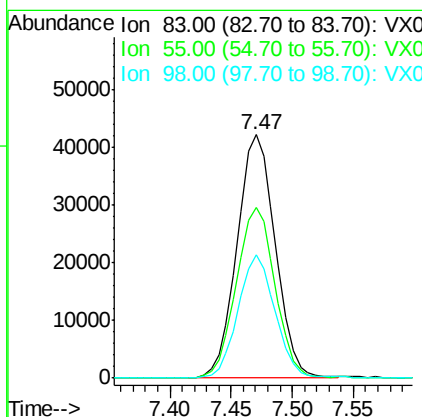
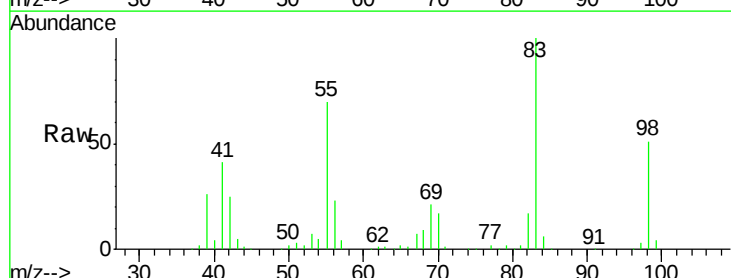
Manual Integrations
 APPROVED

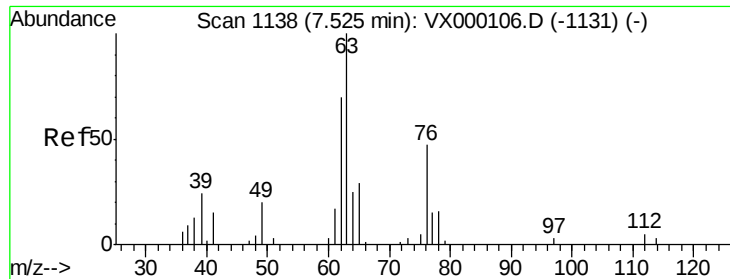
apatel
 2/22/2018 4:04:27 PM



#38
 Methylcyclohexane
 Concen: 51.07 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 83 Resp: 91966
 Ion Ratio Lower Upper
 83 100
 55 70.6 35.9 107.7
 98 49.0 24.6 74.0





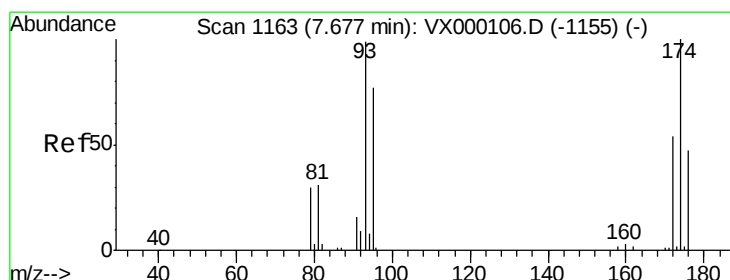
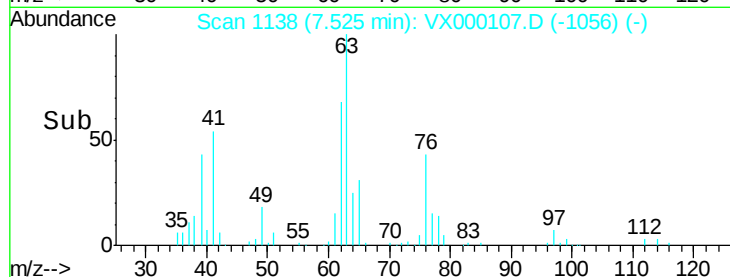
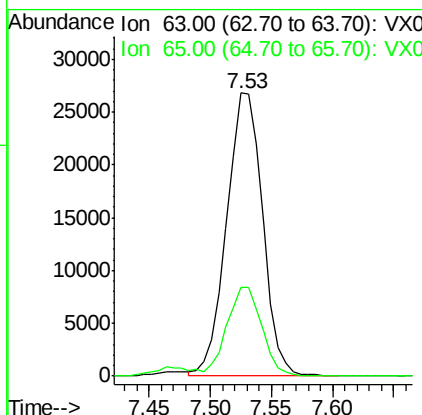
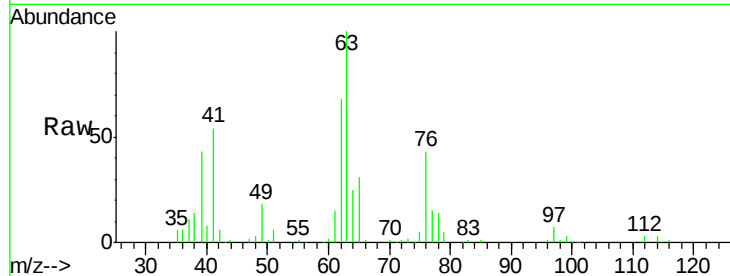
#39
 1,2-Dichloropropane
 Concen: 48.51 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 54756
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

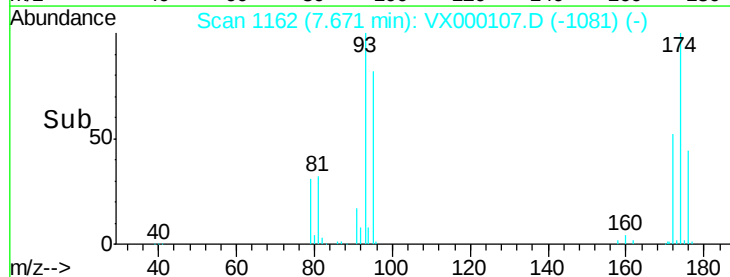
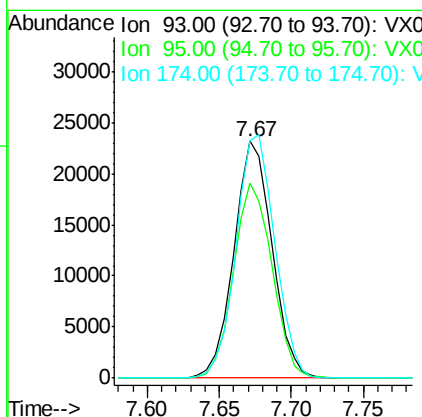
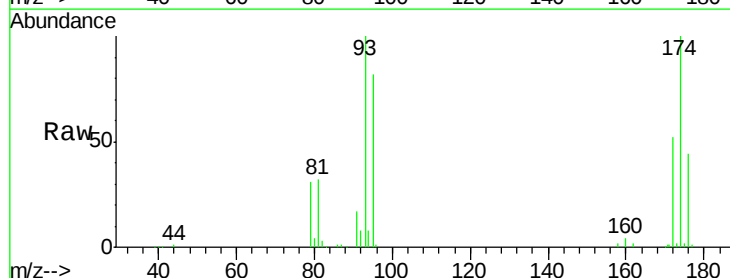
Manual Integrations
 APPROVED

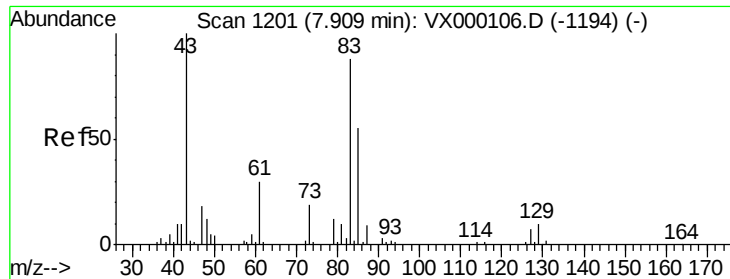
apatel
 2/22/2018 4:04:27 PM



#40
 Dibromomethane
 Concen: 50.52 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion: 93 Resp: 42862
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 170.6
 174 104.1 0.0 210.4





#41

Bromodichloromethane

Concen: 49.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

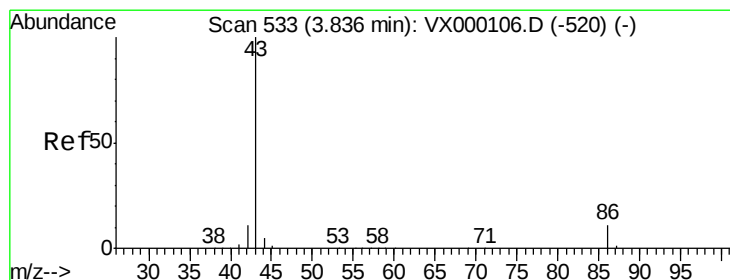
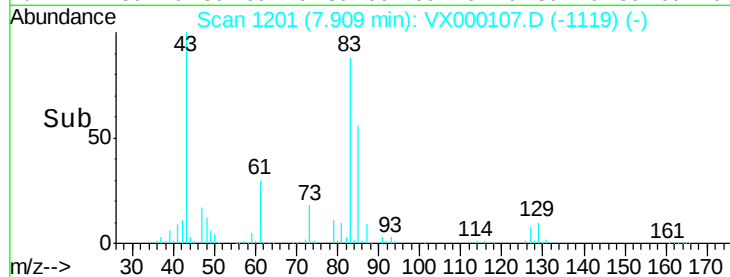
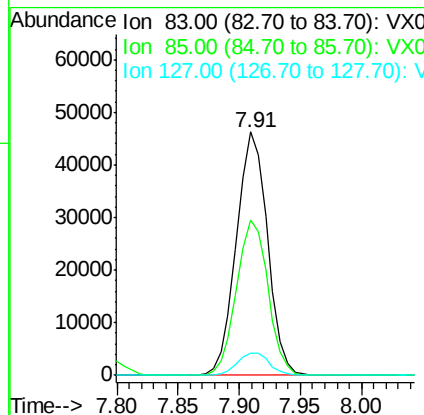
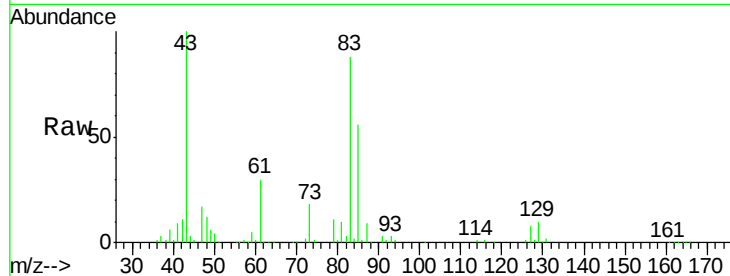
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	81686
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.0	75.0
127	9.2	6.6	10.0

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#42

Vinyl Acetate

Concen: 247.46 ug/l

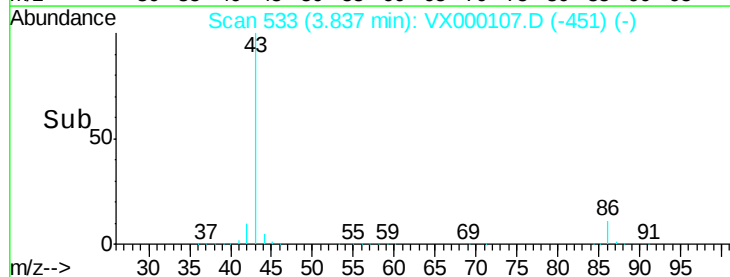
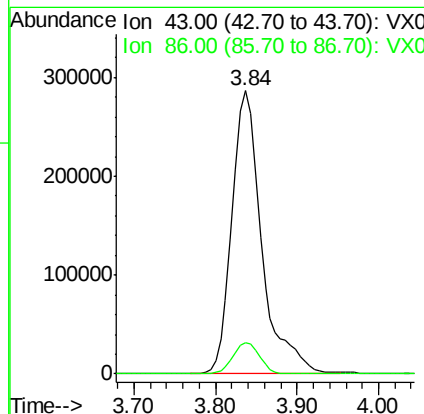
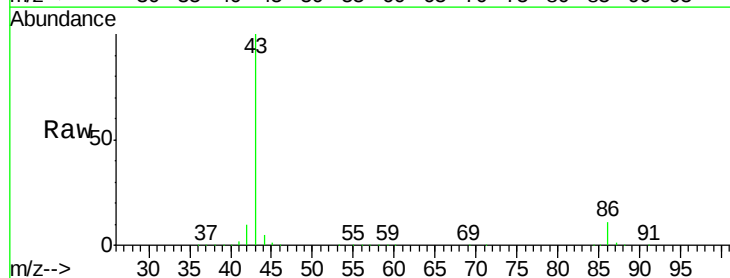
RT: 3.84 min Scan# 533

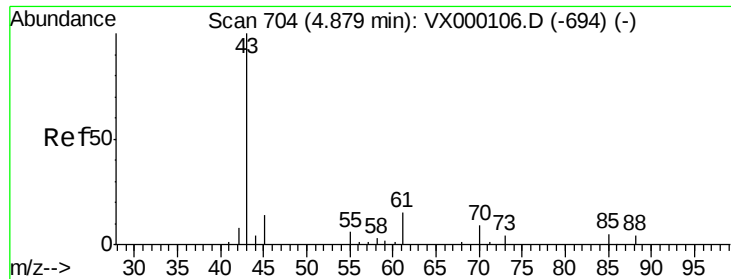
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	43	Resp:	726659
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.6





#43

Ethyl Acetate

Concen: 48.06 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tot Ion: 43 Resp: 102578

Ion Ratio Lower Upper

43 100

45 13.9 11.4 17.0

Instrument :

MSVOA_X

ClientSampled :

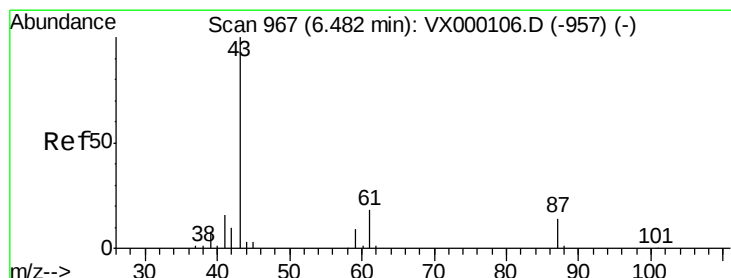
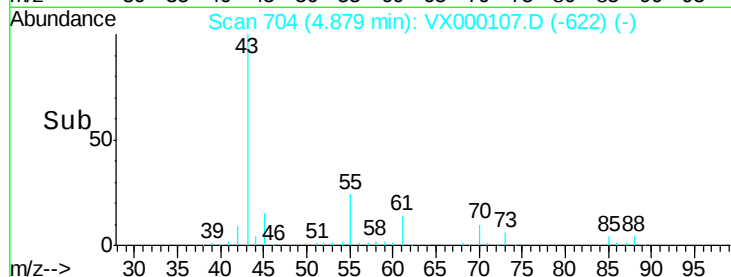
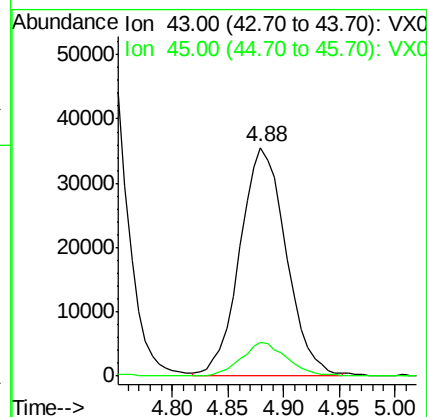
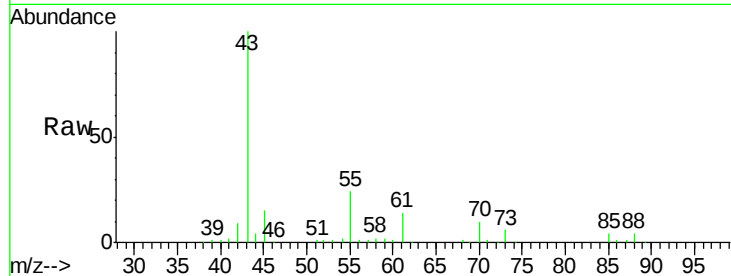
VSTDIC050

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



#44

Isopropyl Acetate

Concen: 50.44 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000107.D

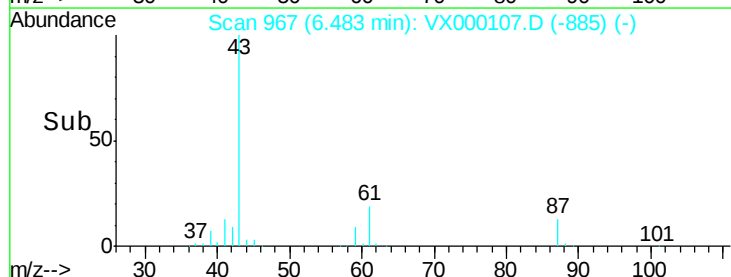
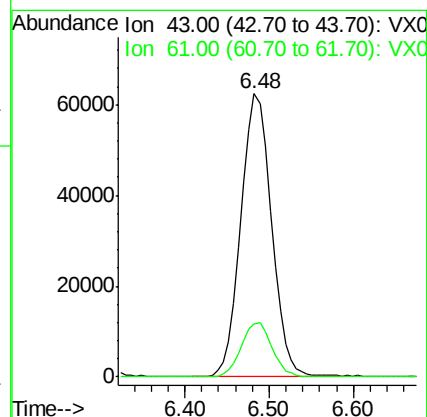
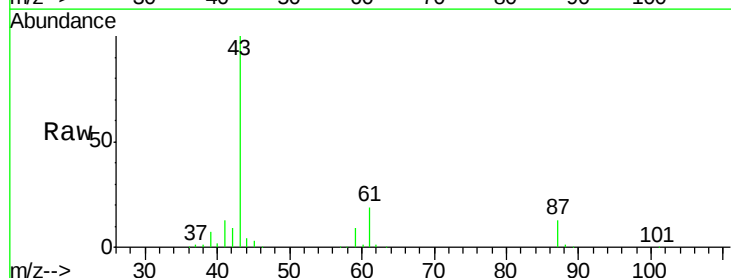
Acq: 20 Feb 2018 14:17

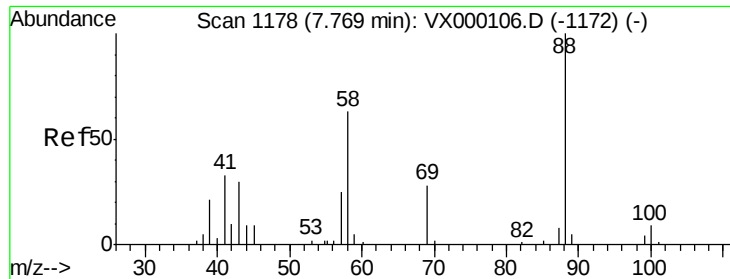
Tgt Ion: 43 Resp: 153755

Ion Ratio Lower Upper

43 100

61 19.3 15.7 23.5





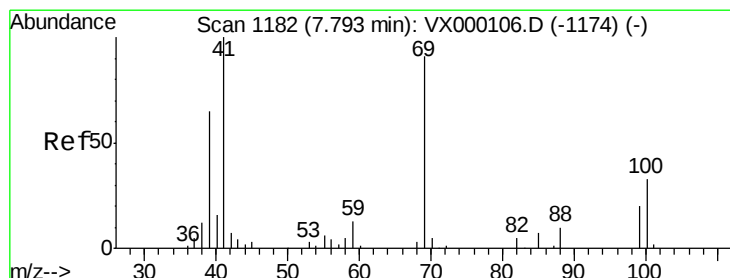
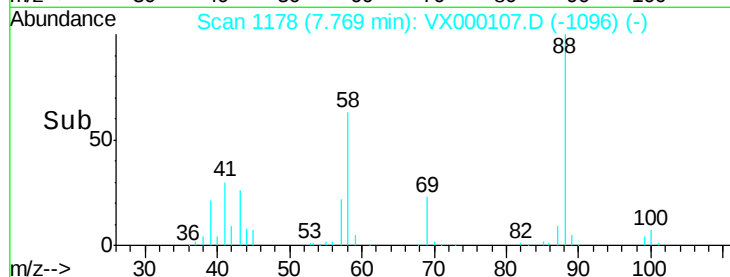
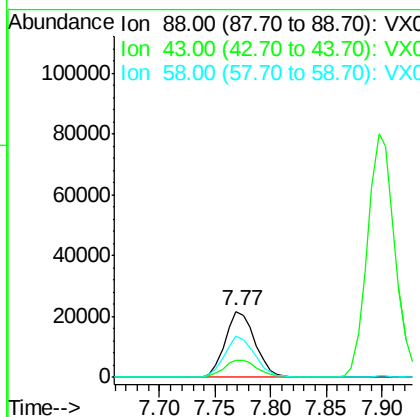
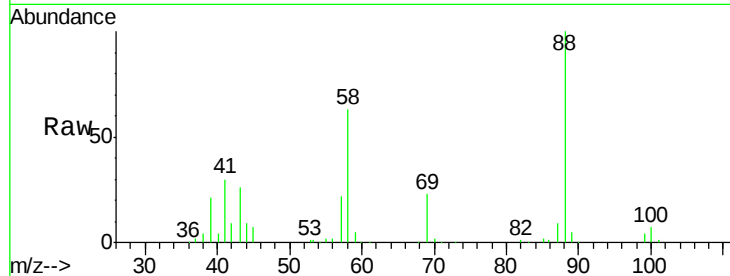
#45
1,4-Dioxane
Concen: 1070.71 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	26.8	40.2
58	62.4	52.1	78.1

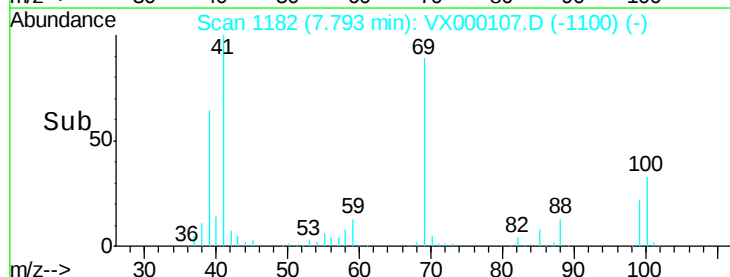
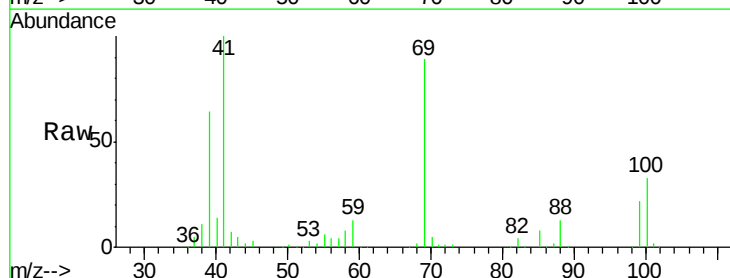
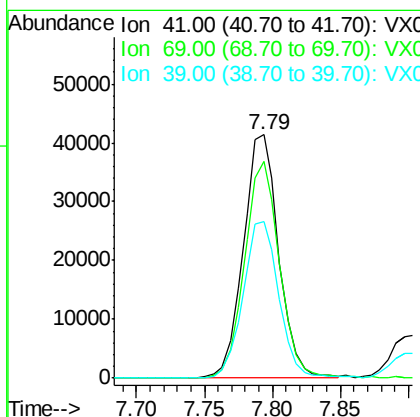
Manual Integrations
APPROVED

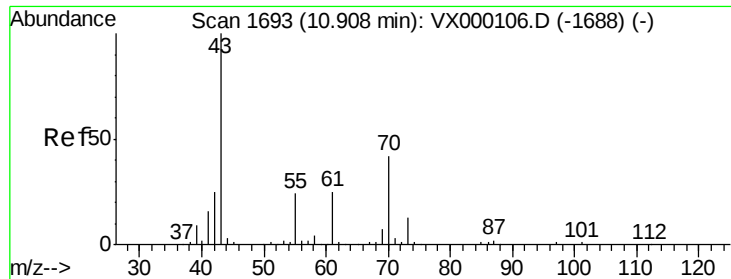
apatel
2/22/2018 4:04:27 PM



#46
Methyl methacrylate
Concen: 50.29 ug/l
RT: 7.79 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.1	45.5	136.5
39	64.1	32.5	97.5





#47

n-amvl Acetate

Concen: 53.11 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 139125

Ion Ratio Lower Upper

43 100

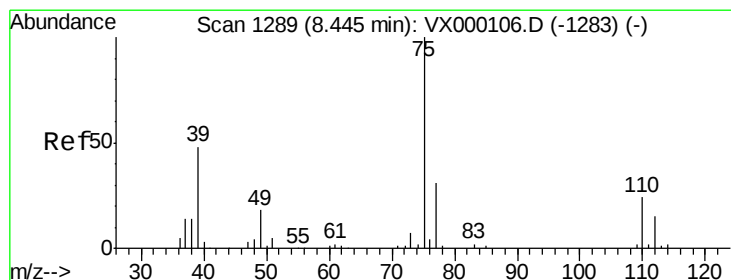
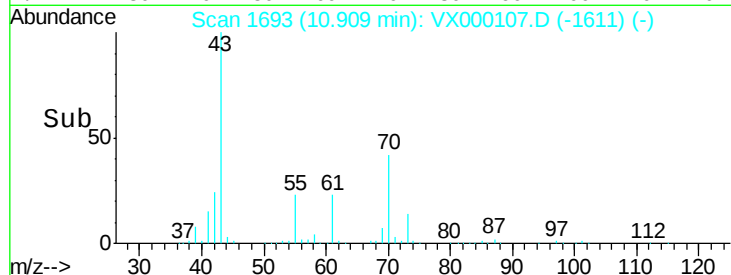
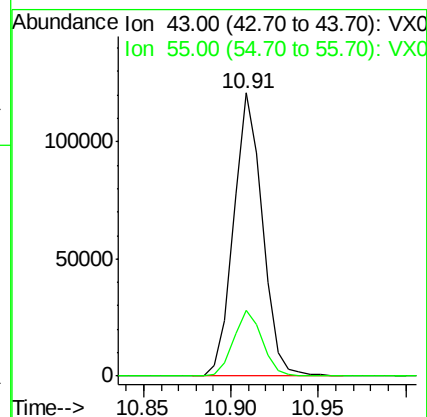
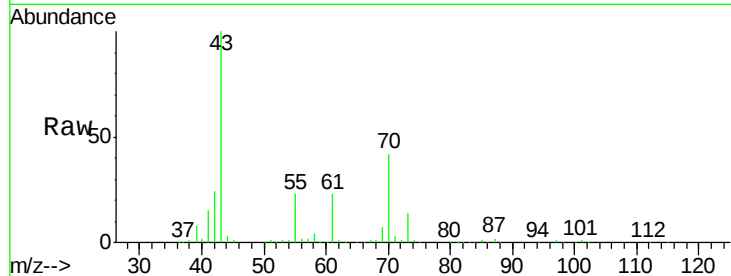
55 23.3 19.4 29.2

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



#48

t-1,3-Dichloropropene

Concen: 49.42 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000107.D

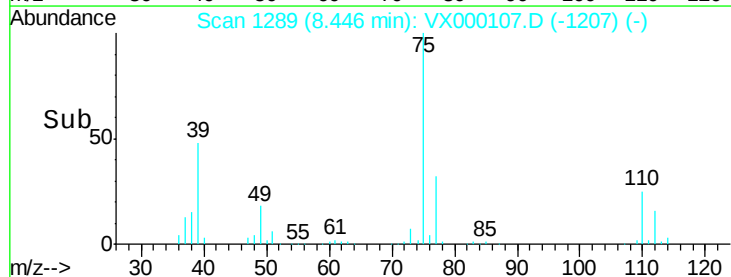
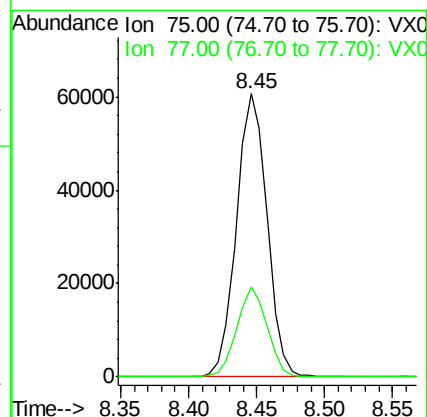
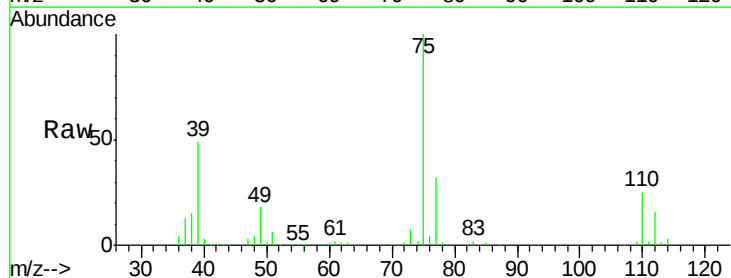
Acq: 20 Feb 2018 14:17

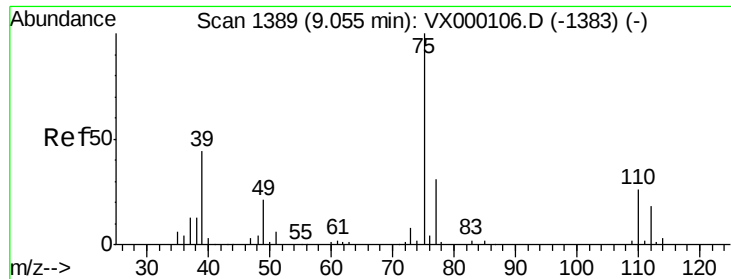
Tgt Ion: 75 Resp: 94952

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0





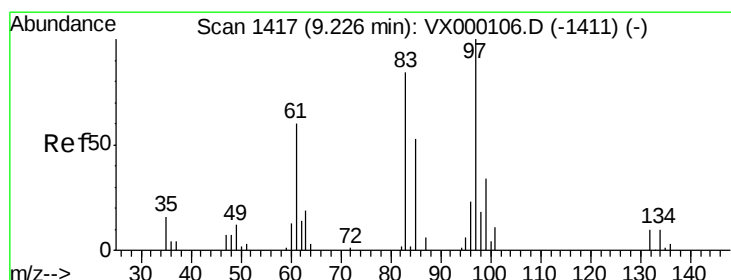
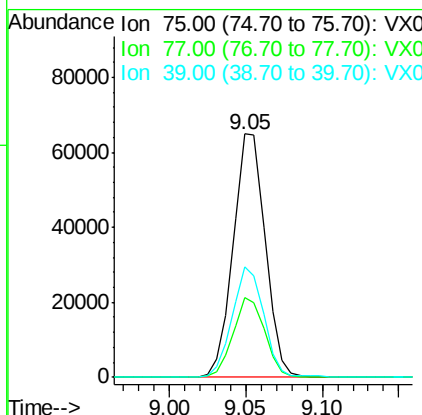
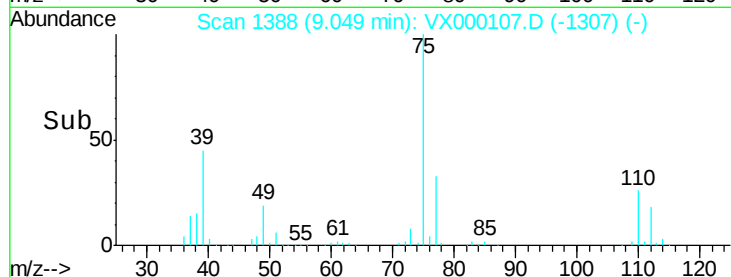
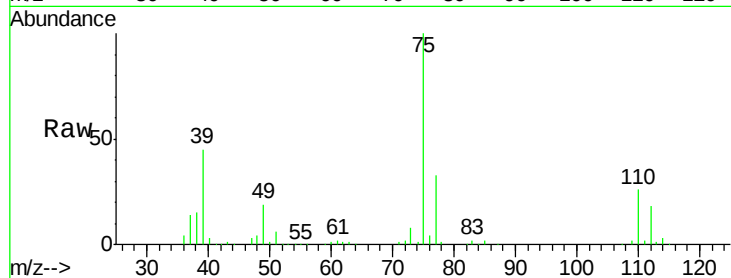
#49
 cis-1,3-Dichloropropene
 Concen: 50.91 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7
39	45.1	35.6	53.4

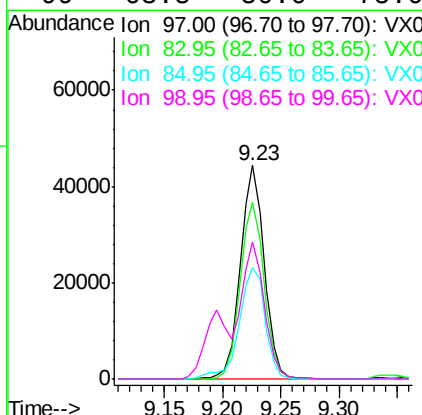
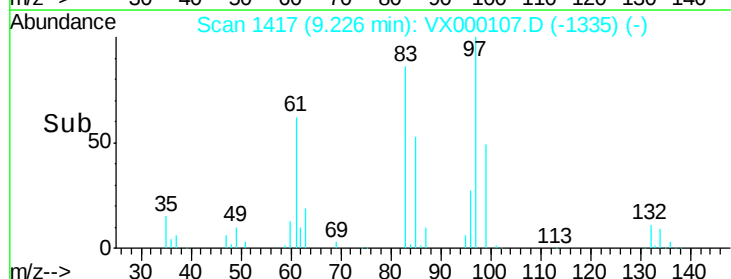
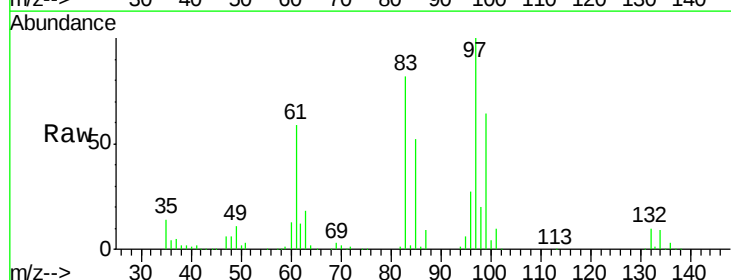
Manual Integrations
 APPROVED

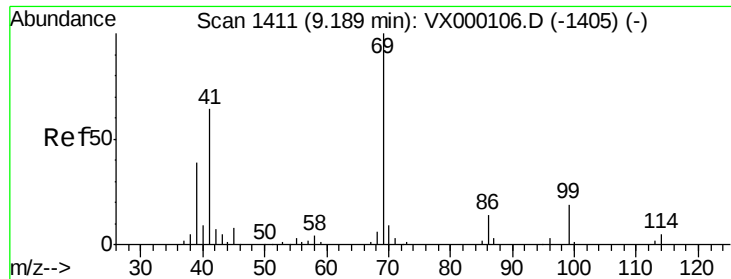
apatel
 2/22/2018 4:04:27 PM



#50
 1,1,2-Trichloroethane
 Concen: 51.89 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.9	100.3
85	52.1	44.4	66.6
99	63.8	50.0	75.0





#51

Ethyl methacrylate

Concen: 52.45 ug/l

RT: 9.20 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

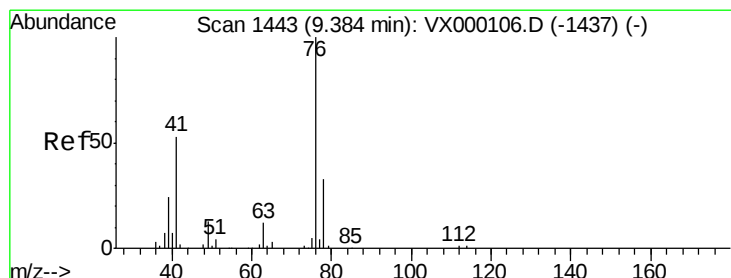
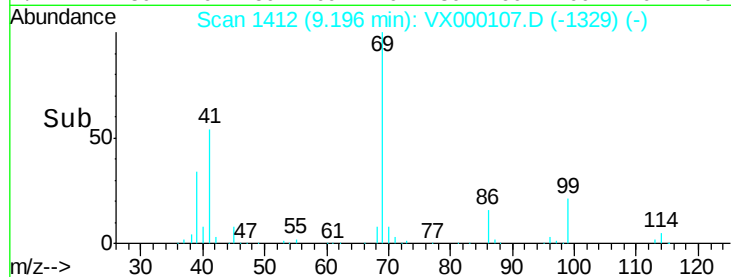
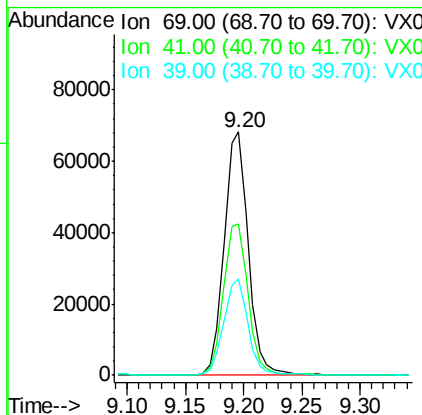
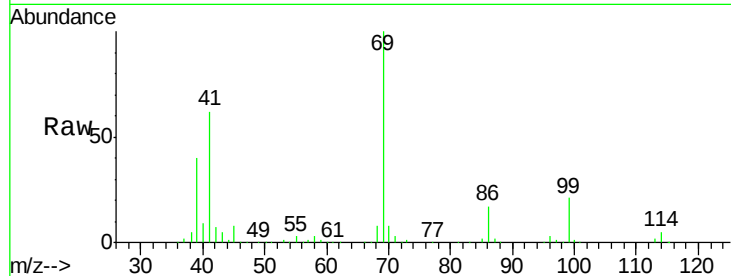
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	97801
Ion	Ratio	Lower	Upper
69	100		
41	62.1	32.1	96.3
39	39.7	19.6	58.7

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#52

1,3-Dichloropropane

Concen: 49.66 ug/l

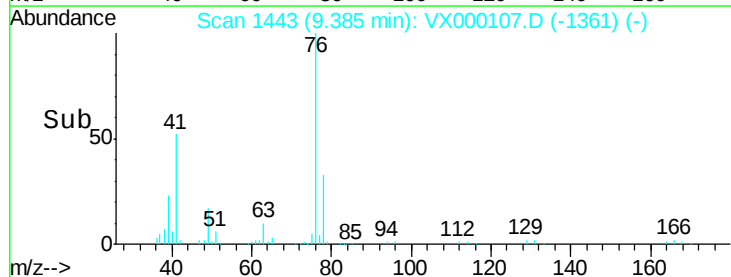
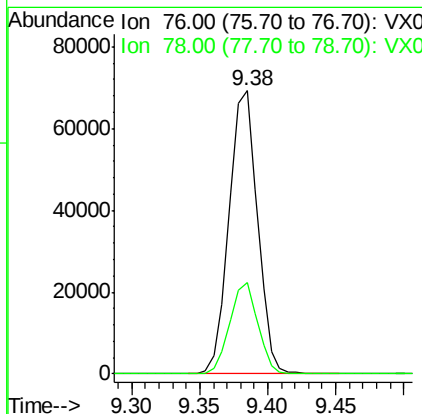
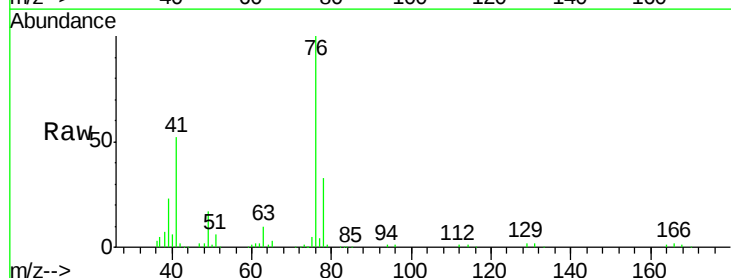
RT: 9.38 min Scan# 1443

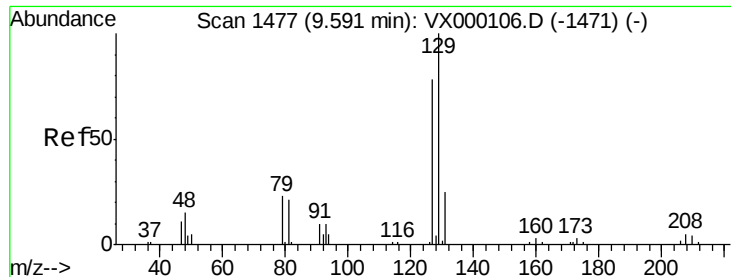
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	76	Resp:	101026
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.0





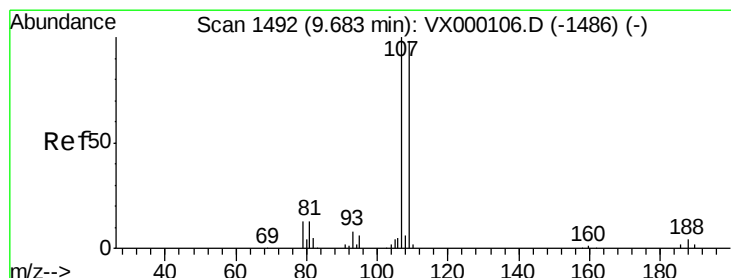
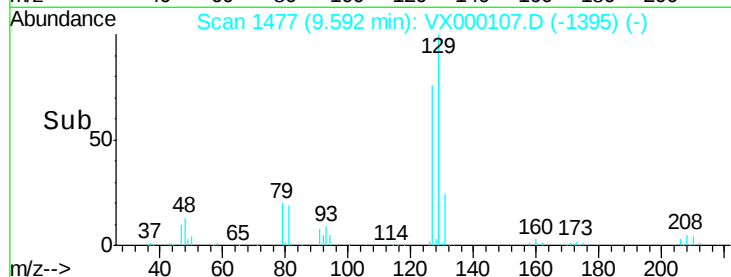
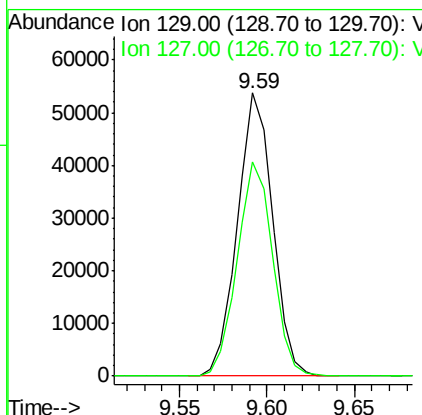
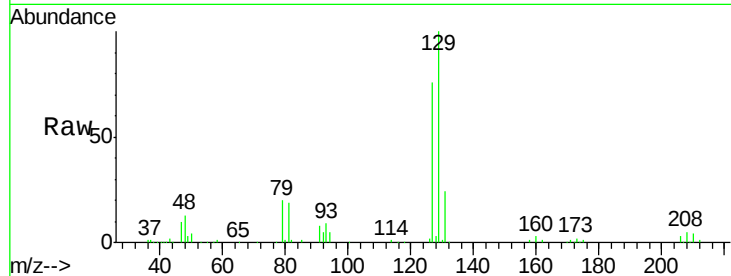
#53
 Dibromochloromethane
 Concen: 54.51 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:129 Resp: 75598
 Ion Ratio Lower Upper
 129 100
 127 76.2 37.5 112.5

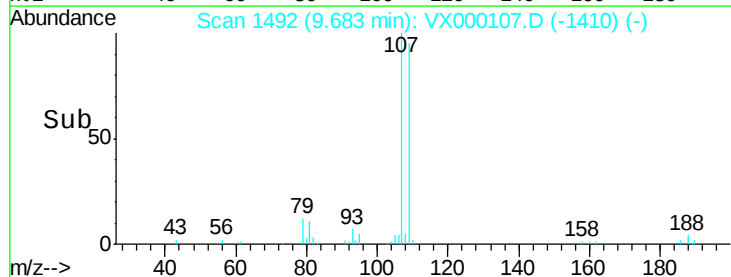
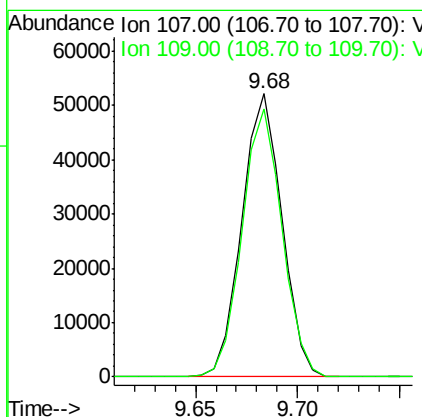
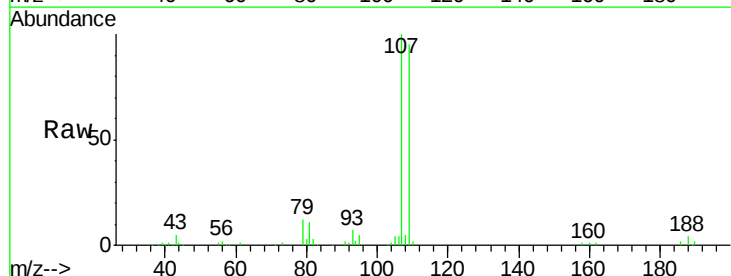
Manual Integrations
 APPROVED

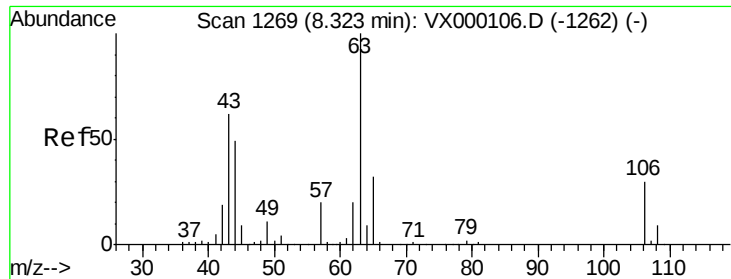
apatel
 2/22/2018 4:04:27 PM



#54
 1,2-Dibromoethane
 Concen: 51.12 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion:107 Resp: 71295
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.5 111.7





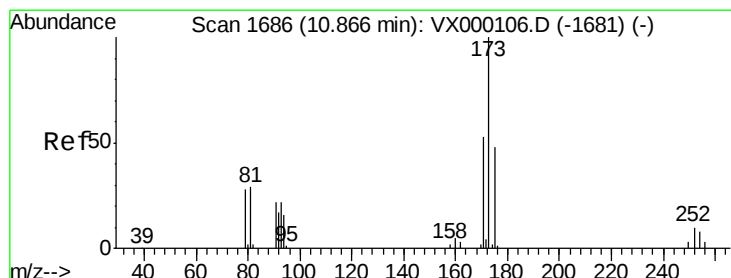
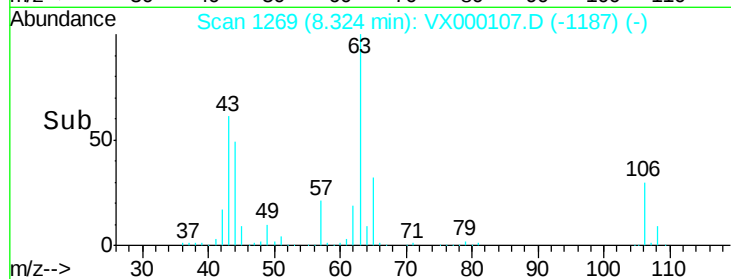
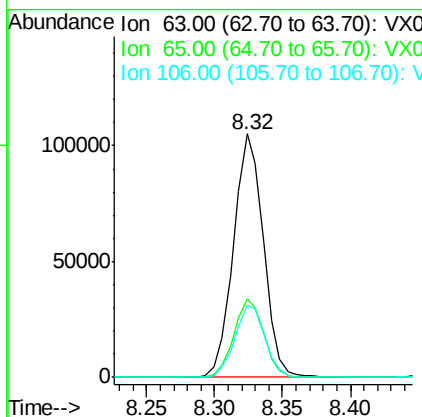
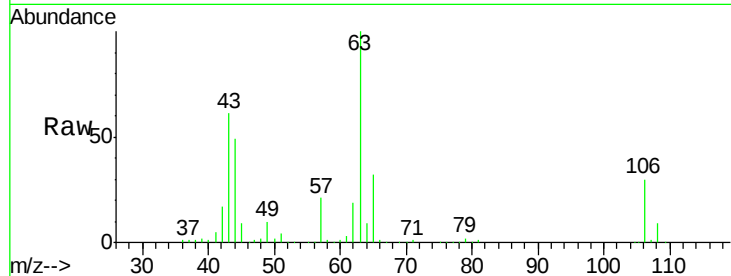
#55
2-Chloroethyl vinyl ether
Concen: 168.38 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.8
106	29.9	23.8	35.6

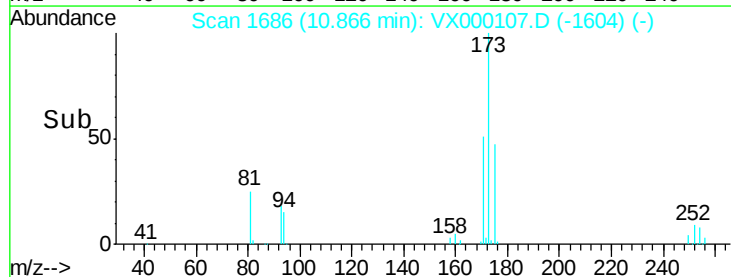
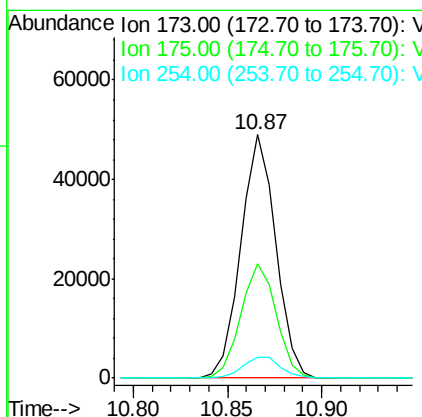
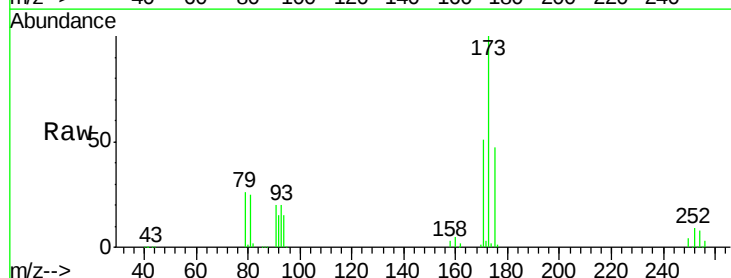
Manual Integrations
APPROVED

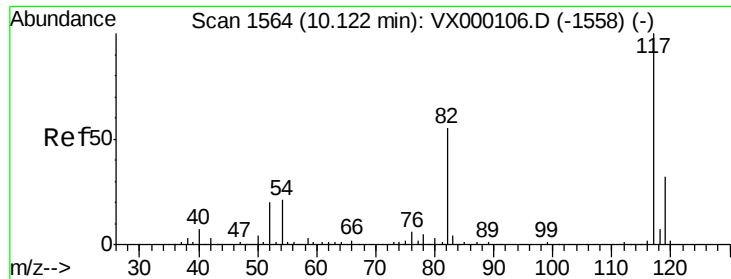
apatel
2/22/2018 4:04:27 PM



#56
Bromoform
Concen: 57.08 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.0	58.4
254	9.3	7.0	10.4





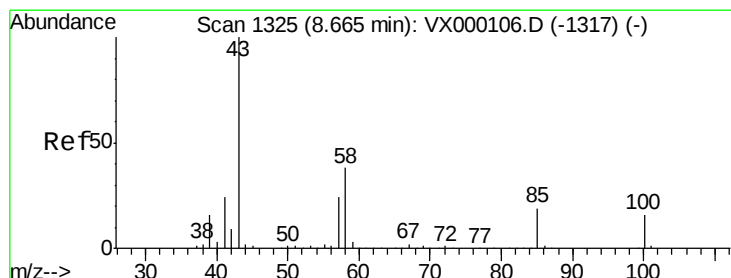
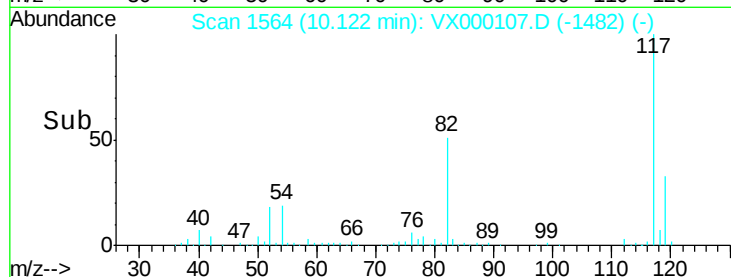
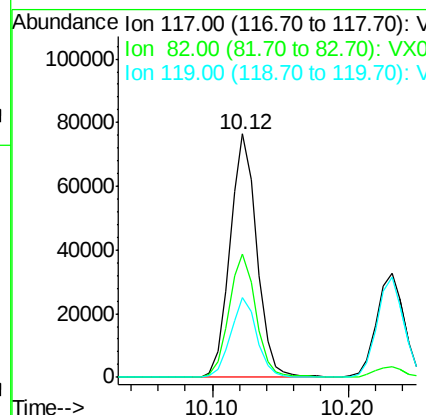
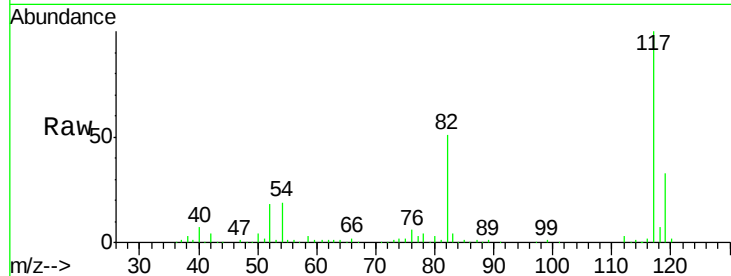
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.0	64.4
119	32.1	25.8	38.8

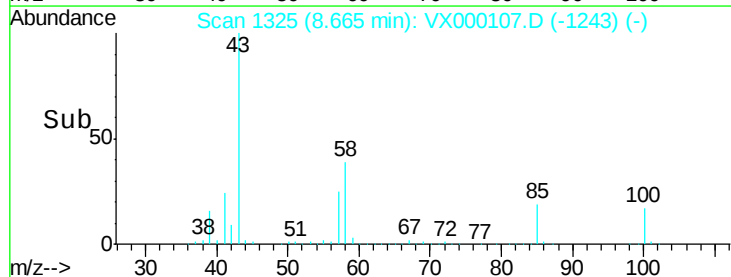
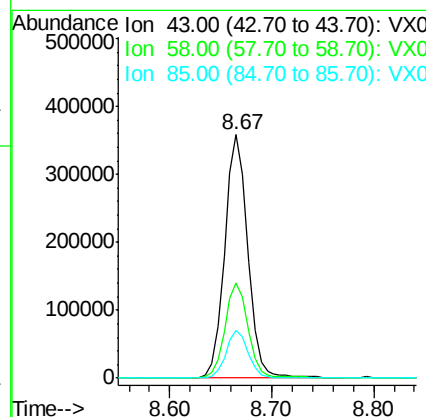
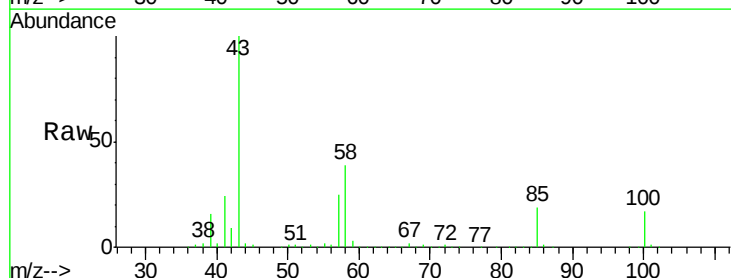
Manual Integrations
APPROVED

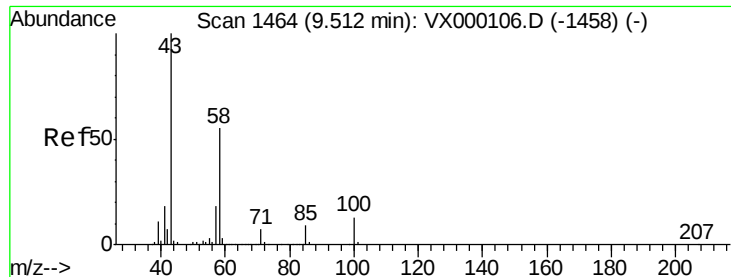
apatel
2/22/2018 4:04:27 PM



#58
4-Methyl-2-Pentanone
Concen: 240.73 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.8	44.8
85	19.2	14.9	22.3





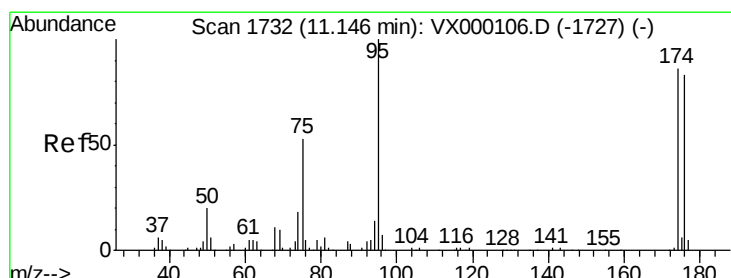
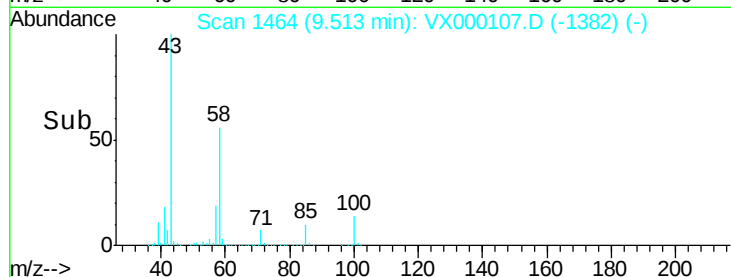
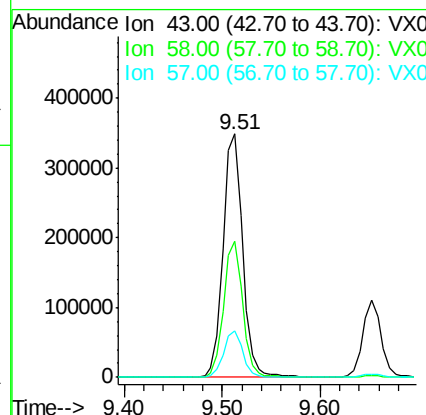
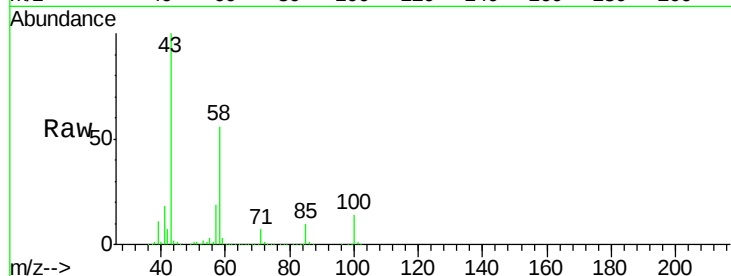
#59
2-Hexanone
Concen: 243.53 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	54.5	43.0	64.6	
57	18.8	14.4	21.6	

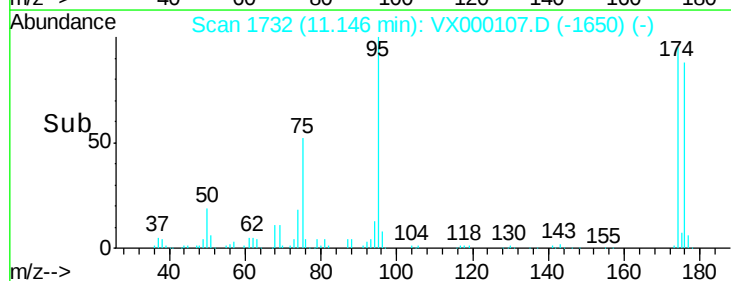
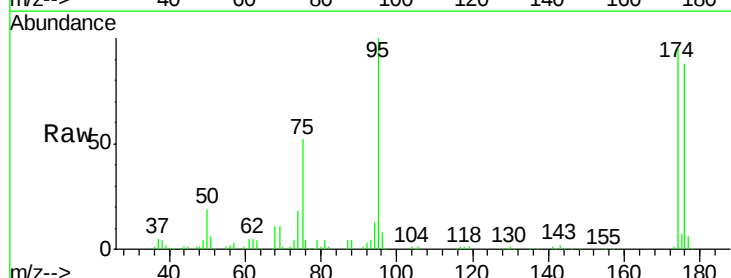
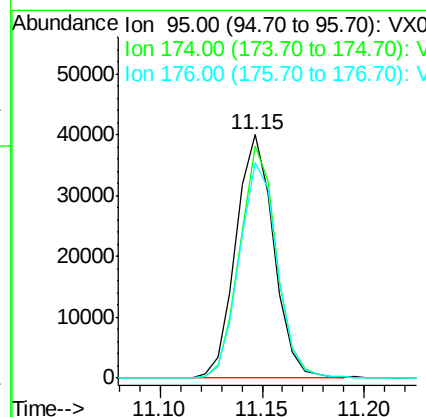
Manual Integrations
APPROVED

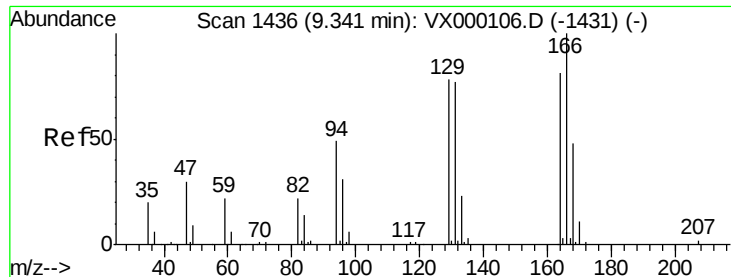
apatel
2/22/2018 4:04:27 PM



#60
4-Bromofluorobenzene
Concen: 30.38 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100			
174	92.7	71.1	106.7	
176	88.8	69.3	103.9	





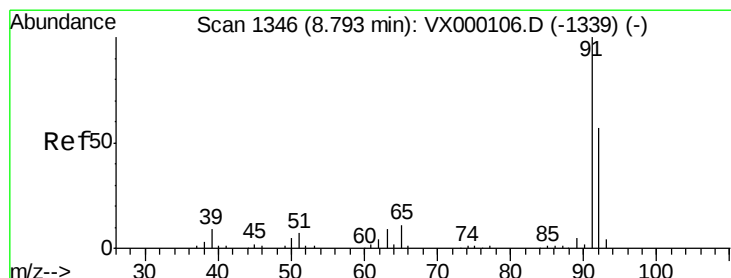
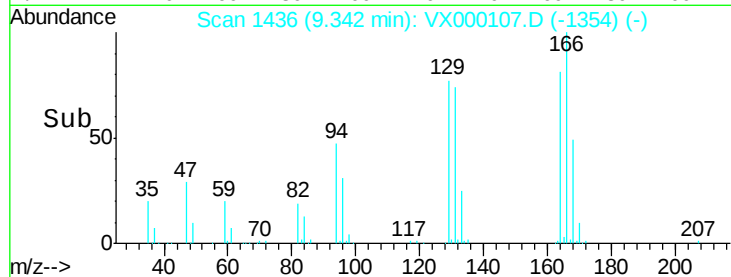
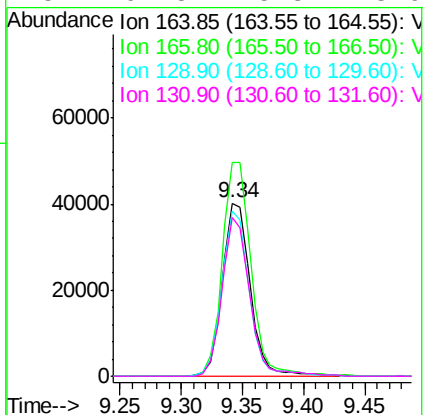
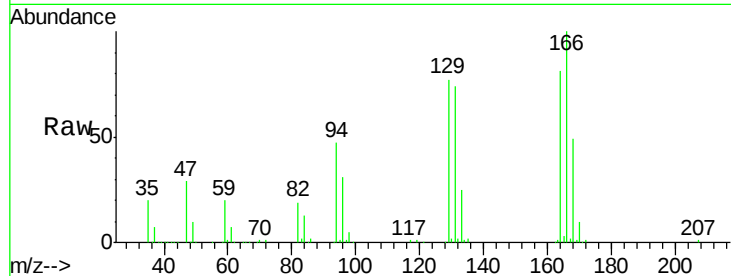
#61
 Tetrachloroethene
 Concen: 50.29 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:	164	Resp:	63717
Ion	Ratio	Lower	Upper
164	100		
166	123.3	99.0	148.4
129	95.4	77.0	115.6
131	91.8	75.8	113.6

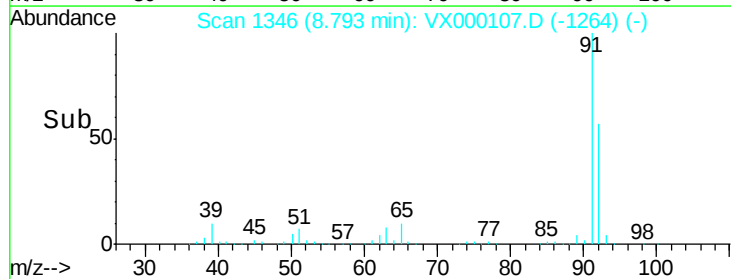
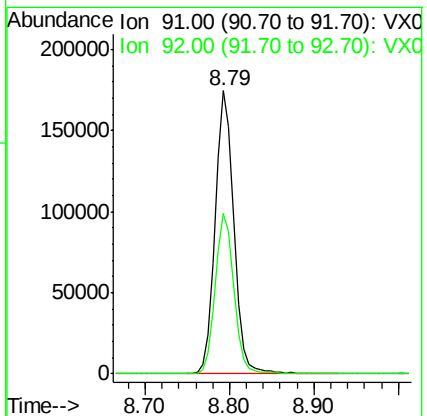
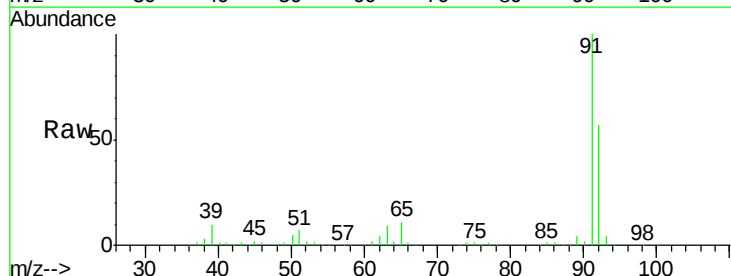
Manual Integrations
 APPROVED

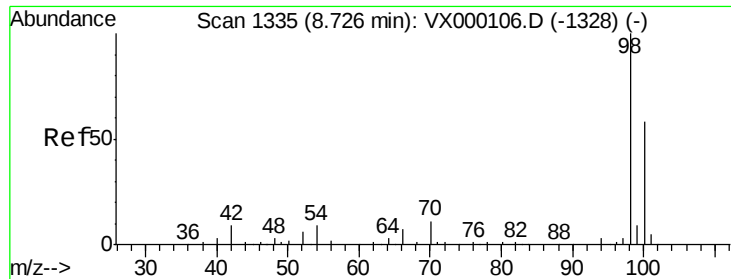
apatel
 2/22/2018 4:04:27 PM



#62
 Toluene
 Concen: 49.29 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion:	91	Resp:	269944
Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.4	68.0





#63

Toluene-d8

Concen: 29.65 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 132558

Ion Ratio Lower Upper

98 100

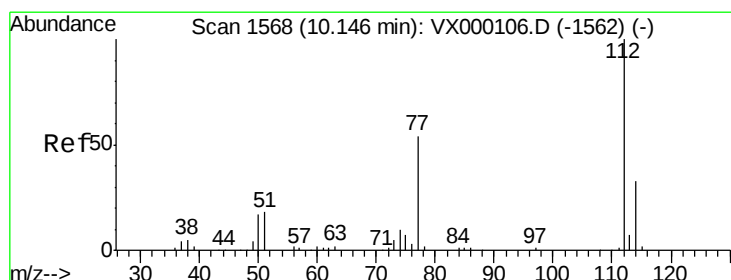
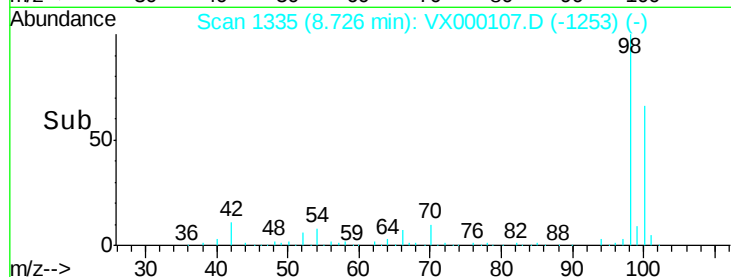
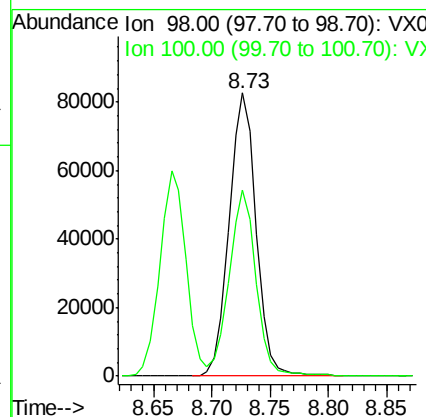
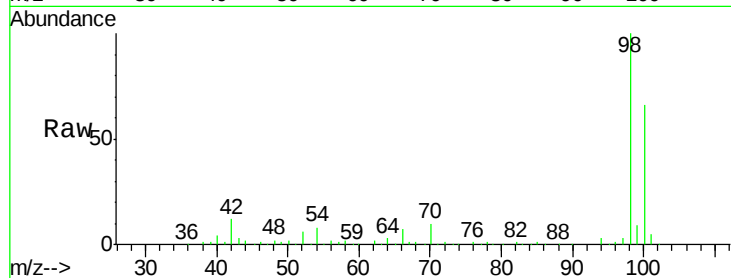
100 63.9 50.0 75.0

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



#64

Chlorobenzene

Concen: 49.30 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000107.D

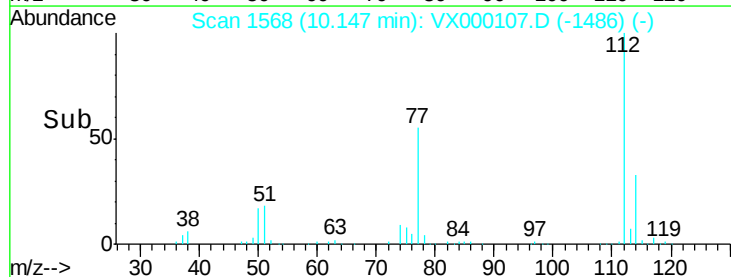
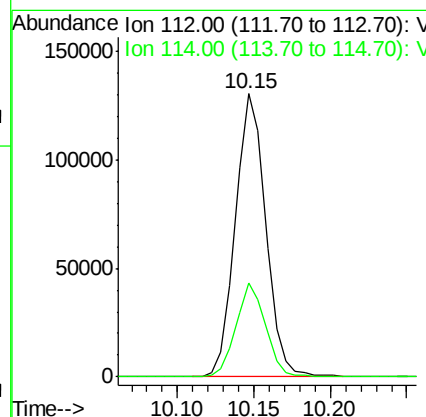
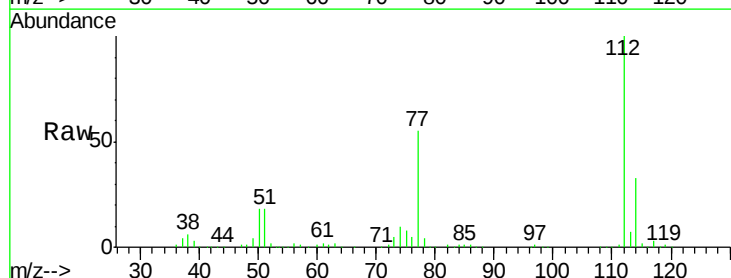
Acq: 20 Feb 2018 14:17

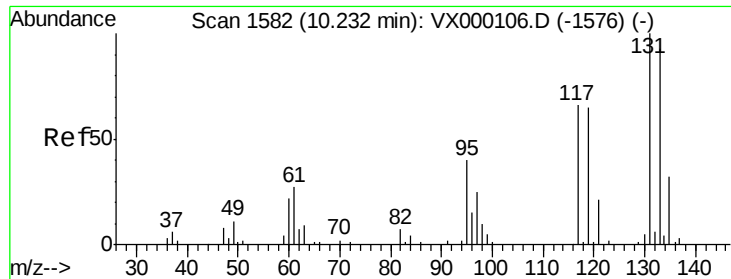
Tgt Ion: 112 Resp: 180067

Ion Ratio Lower Upper

112 100

114 33.2 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 51.92 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

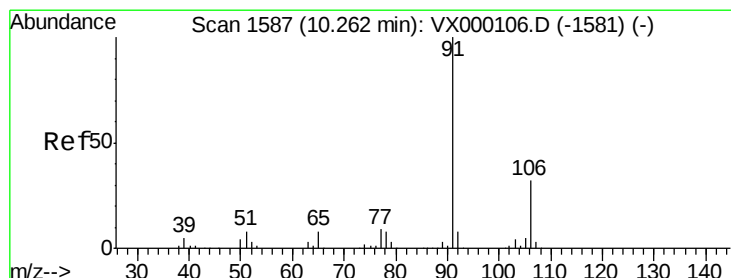
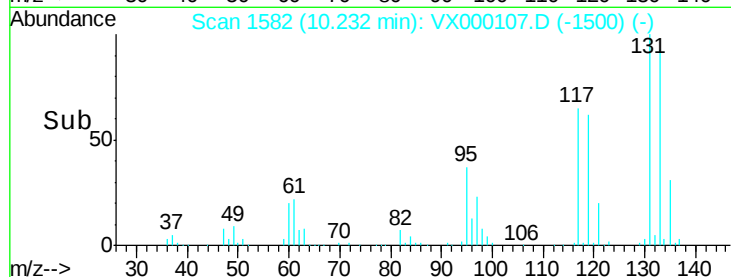
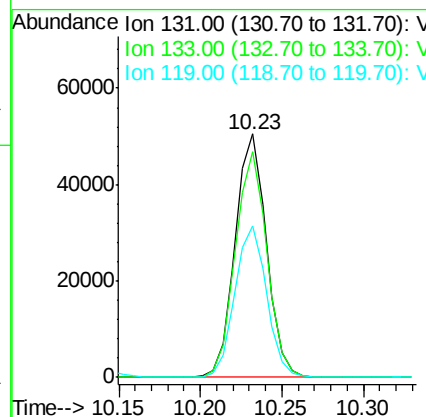
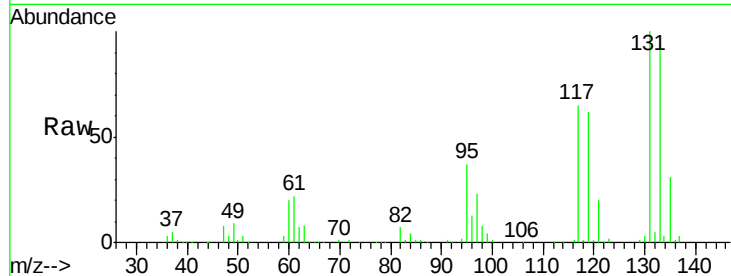
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.4	0.0	187.6
119	63.3	0.0	134.0

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#66

Ethyl Benzene

Concen: 48.85 ug/l

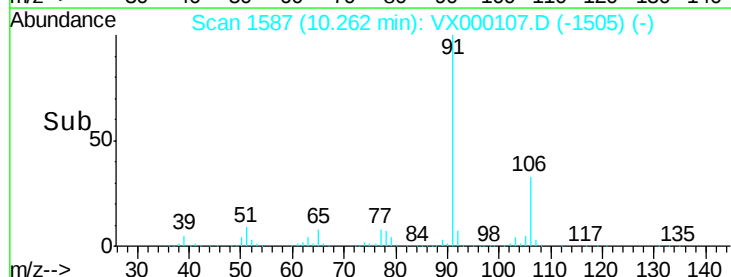
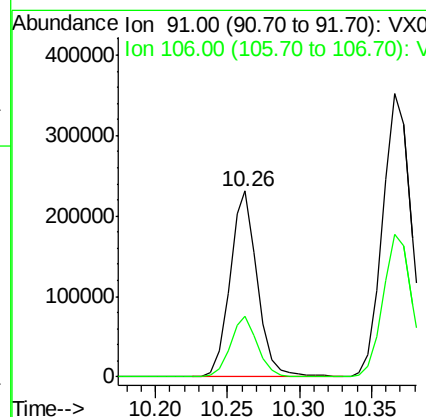
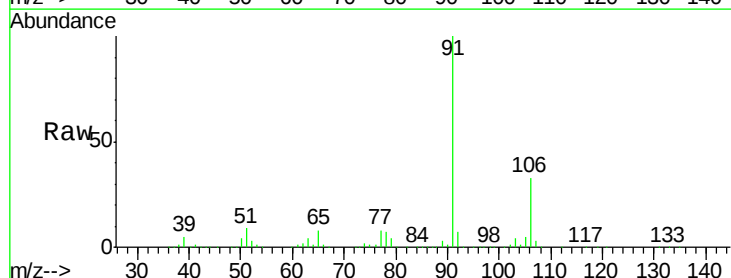
RT: 10.26 min Scan# 1587

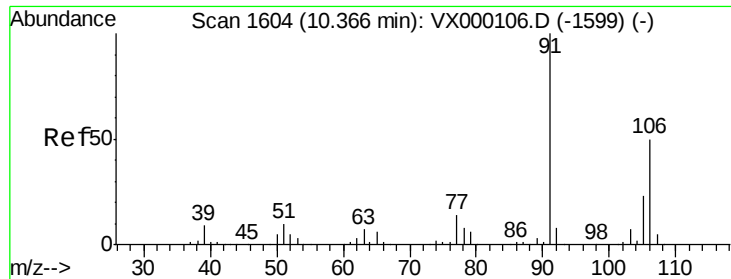
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.9	38.9





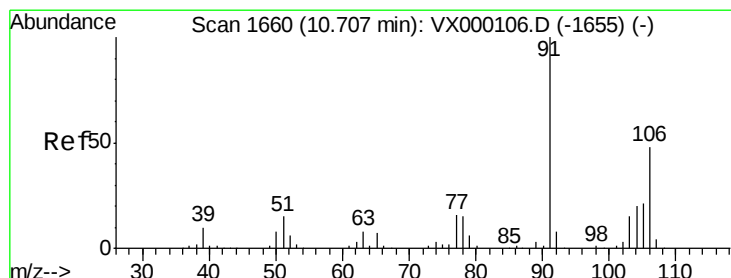
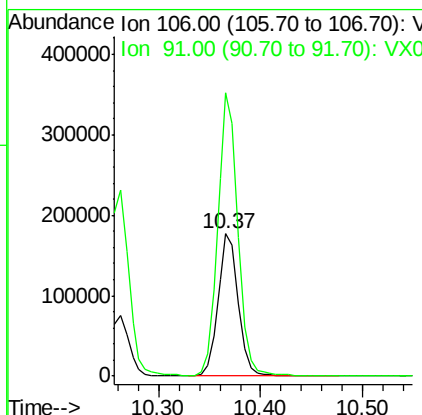
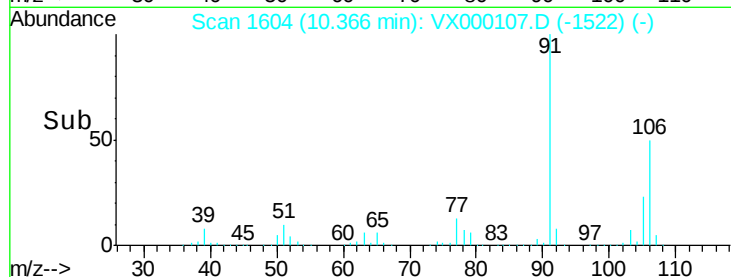
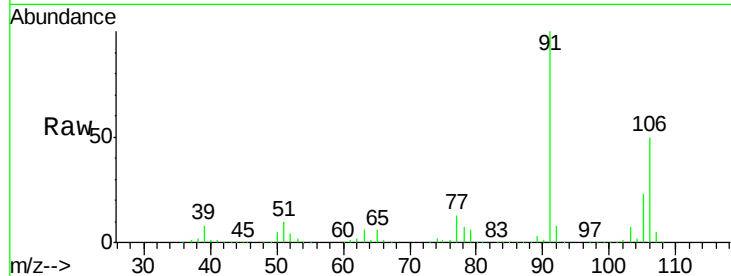
#67
m/p-Xvlenes
Concen: 102.31 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 246859
Ion Ratio Lower Upper
106 100
91 197.5 161.6 242.4

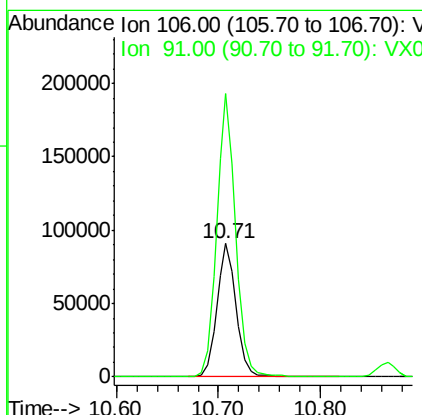
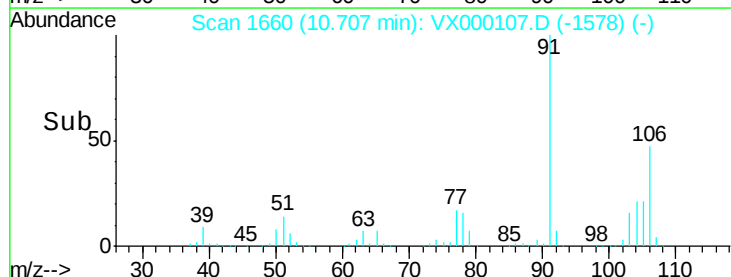
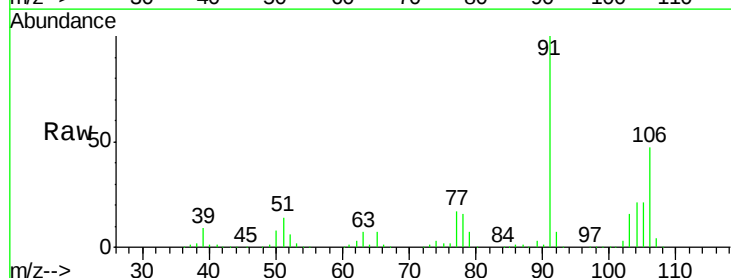
Manual Integrations
APPROVED

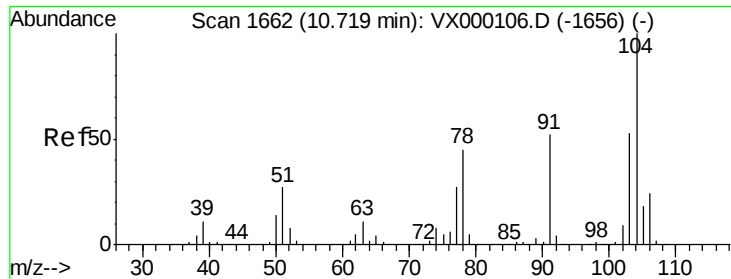
apatel
2/22/2018 4:04:27 PM



#68
o-Xylene
Concen: 50.30 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion:106 Resp: 119800
Ion Ratio Lower Upper
106 100
91 209.0 105.6 316.8





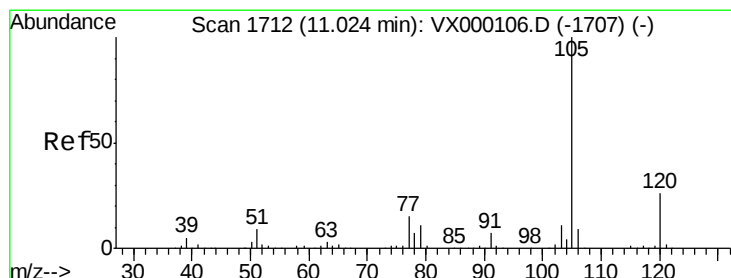
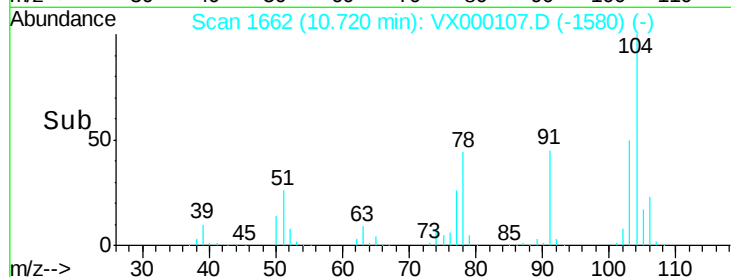
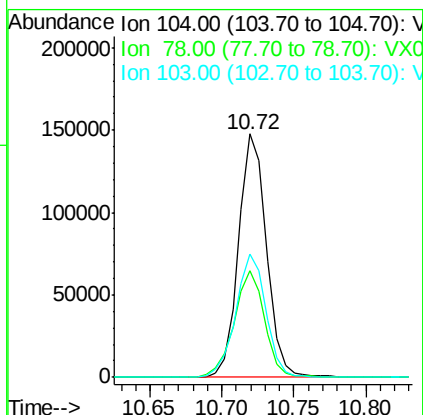
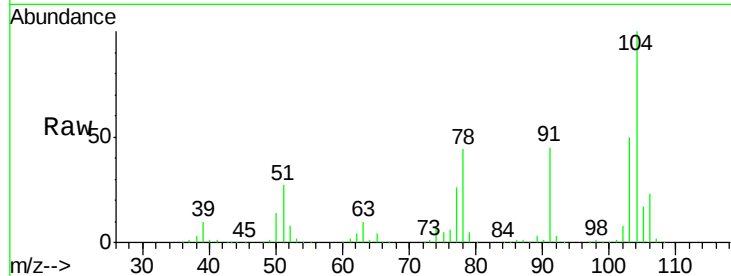
#69
Stvrene
Concen: 50.56 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.0	58.4
103	55.2	44.7	67.1

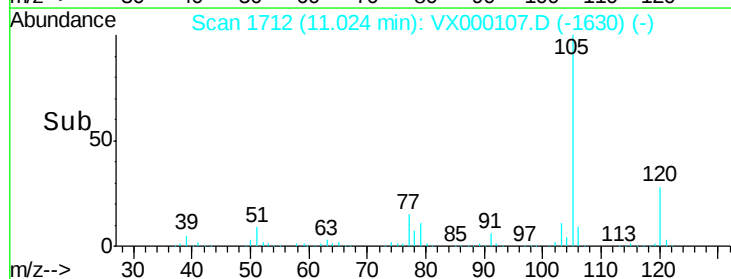
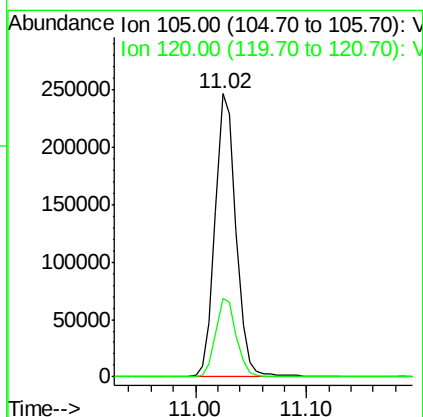
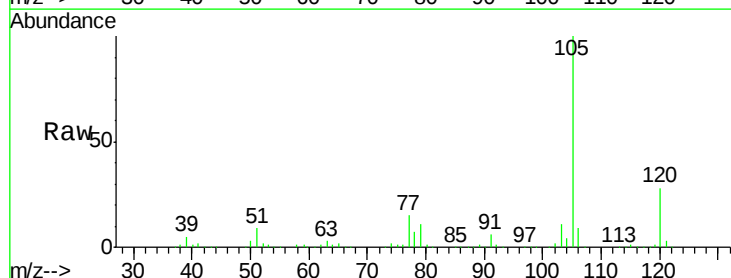
Manual Integrations
APPROVED

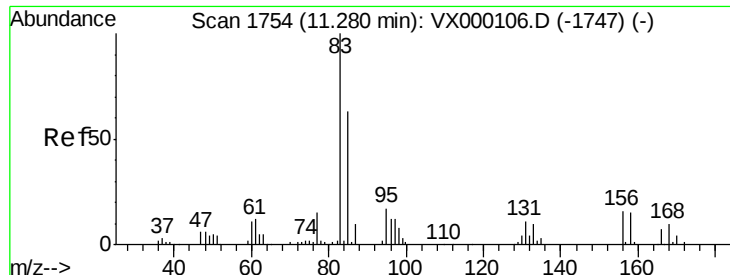
apatel
2/22/2018 4:04:27 PM



#70
Isopropylbenzene
Concen: 50.08 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	18.8	35.0





#71

1,1,2,2-Tetrachloroethane

Concen: 49.32 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

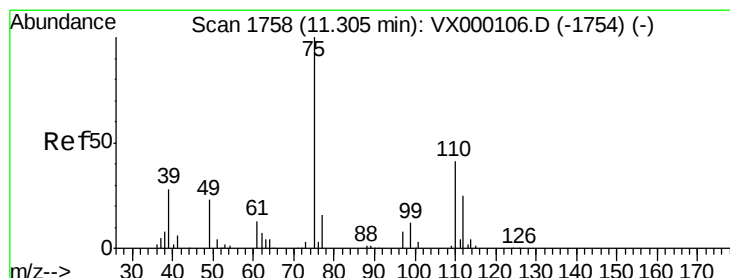
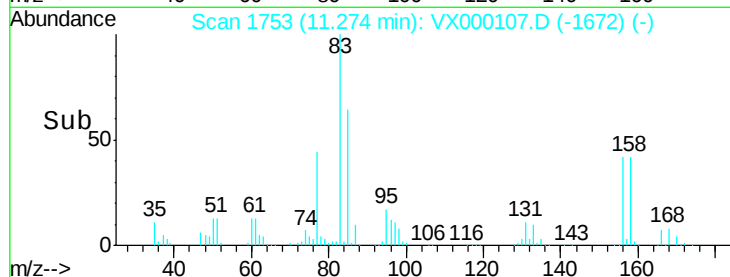
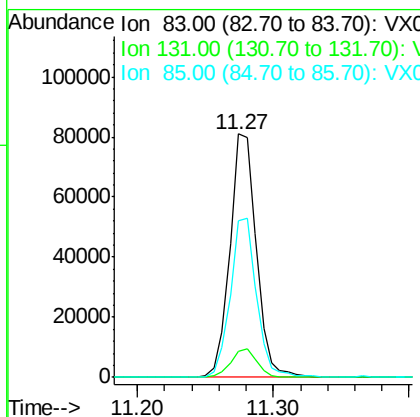
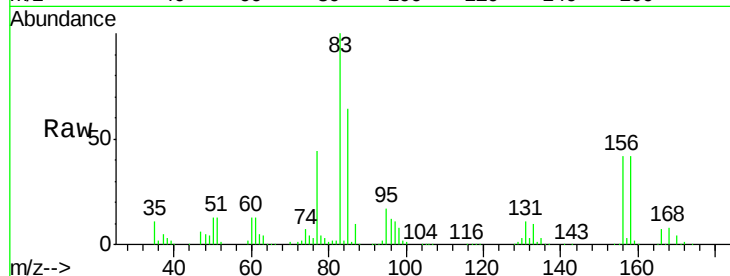
ClientSampled :

VSTDIC050

Tot Ion:	83	Resp:	109373
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.3	16.1
85	64.7	32.5	97.5

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#72

1,2,3-Trichloropropane

Concen: 48.74 ug/l m

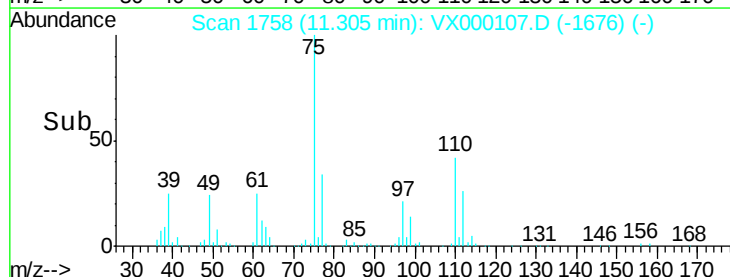
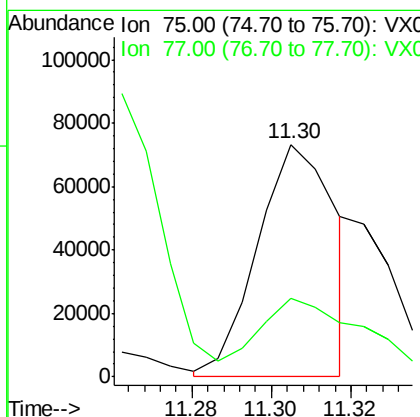
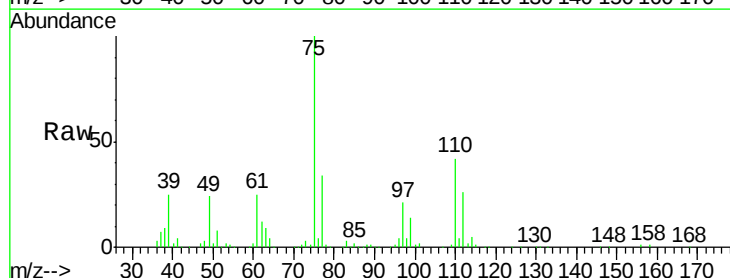
RT: 11.30 min Scan# 1758

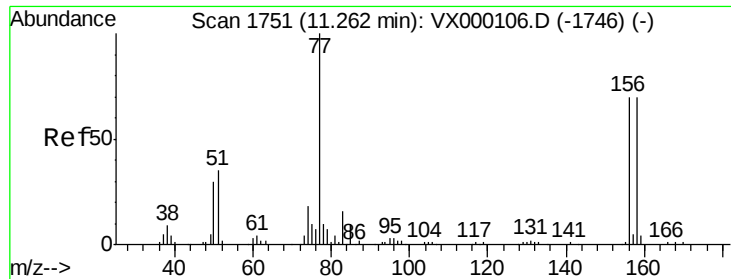
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	75	Resp:	99287
Ion	Ratio	Lower	Upper
75	100		
77	45.9	0.0	85.8





#73

Bromobenzene

Concen: 52.47 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

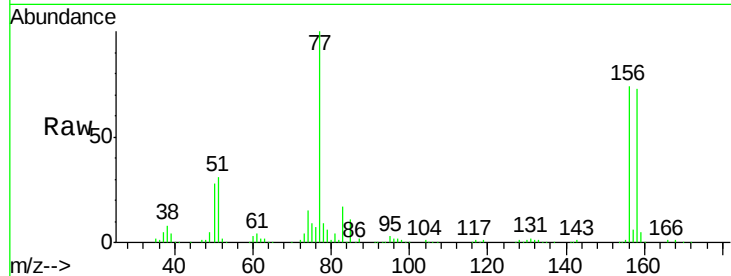
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.7	0.0	280.2
158	97.7	0.0	197.2

Manual Integrations
APPROVED

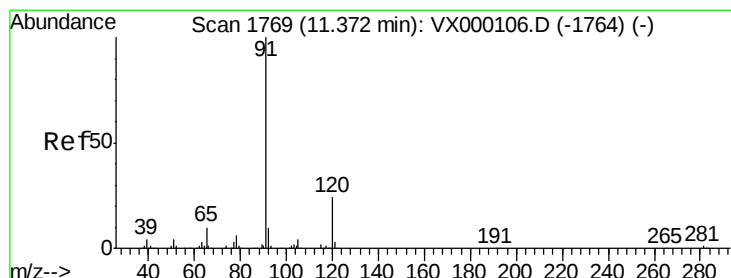
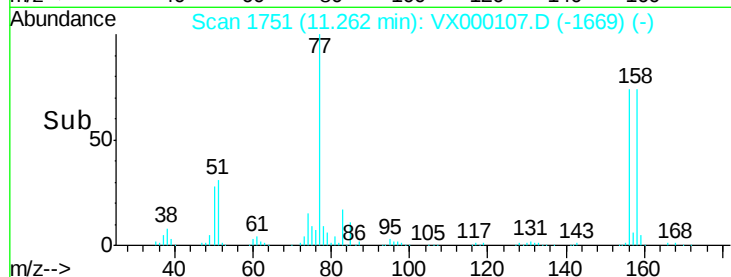
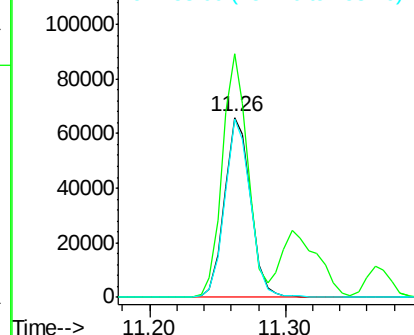
apatel
2/22/2018 4:04:27 PM



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: 49.87 ug/l

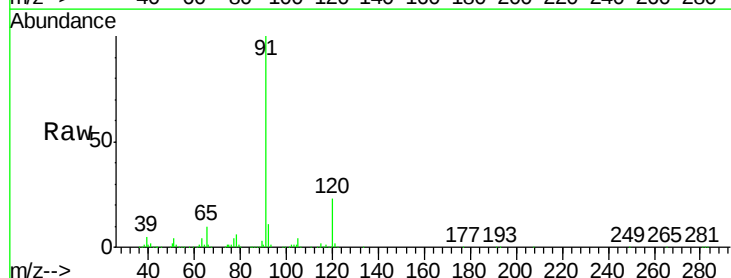
RT: 11.37 min Scan# 1768

Delta R.T. -0.01 min

Lab File: VX000107.D

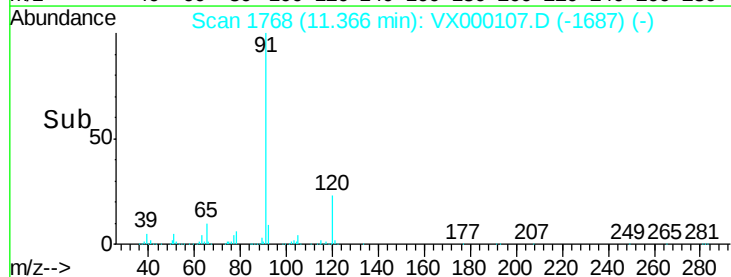
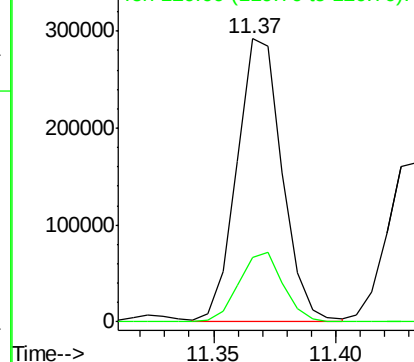
Acq: 20 Feb 2018 14:17

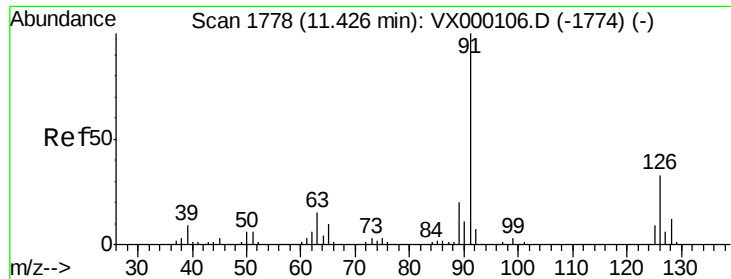
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	0.0	47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 49.07 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 215930

Ion Ratio Lower Upper

91 100

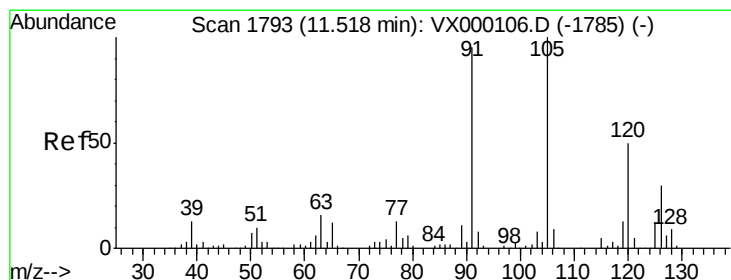
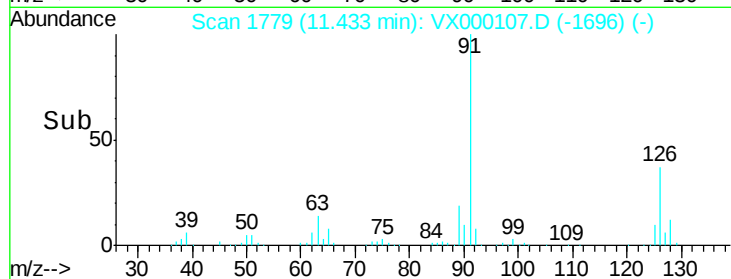
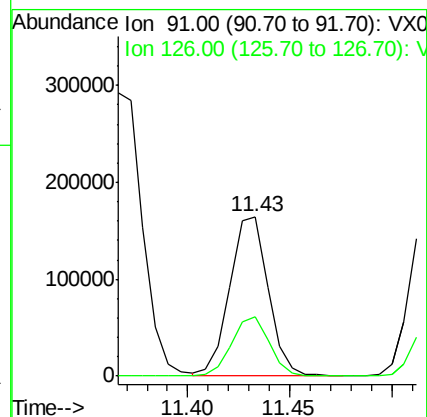
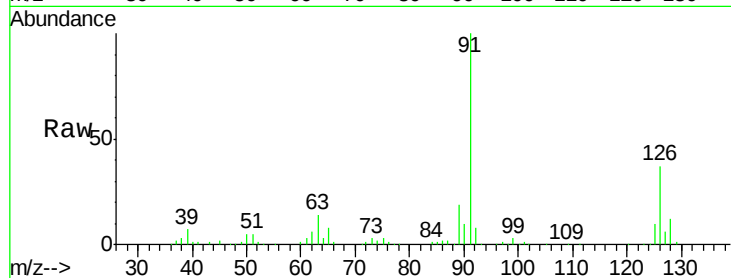
126 36.4 0.0 71.4

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



#76

1,3,5-Trimethylbenzene

Concen: 50.55 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000107.D

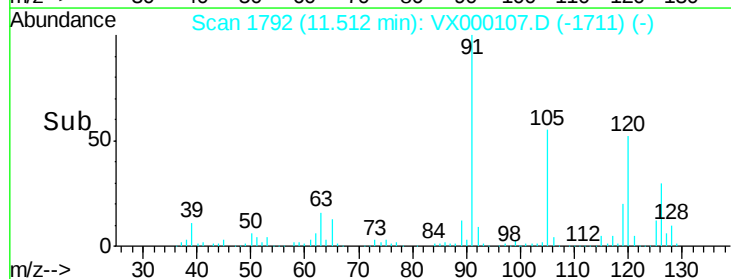
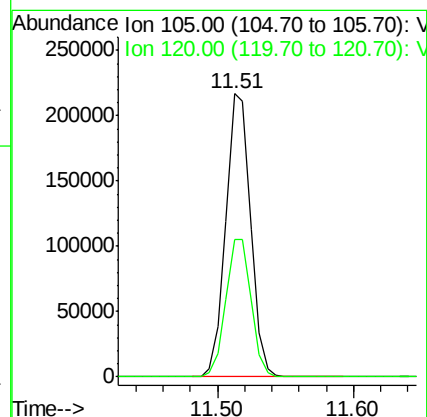
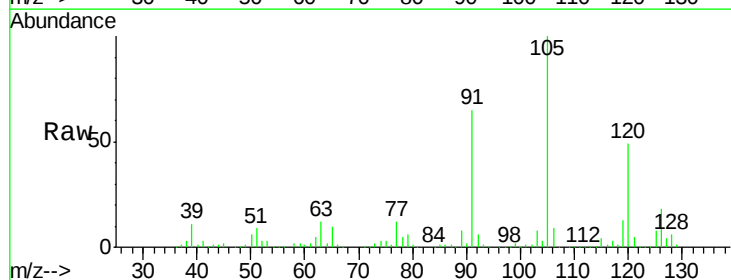
Acq: 20 Feb 2018 14:17

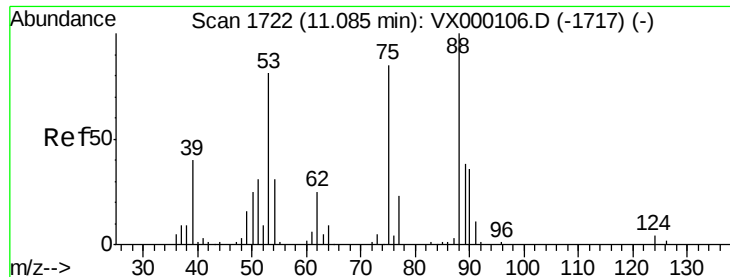
Tgt Ion: 105 Resp: 274596

Ion Ratio Lower Upper

105 100

120 49.6 0.0 63.8





#77

t-1,4-Dichloro-2-butene

Concen: 52.88 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

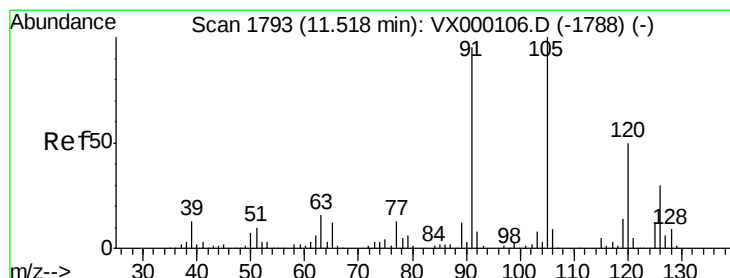
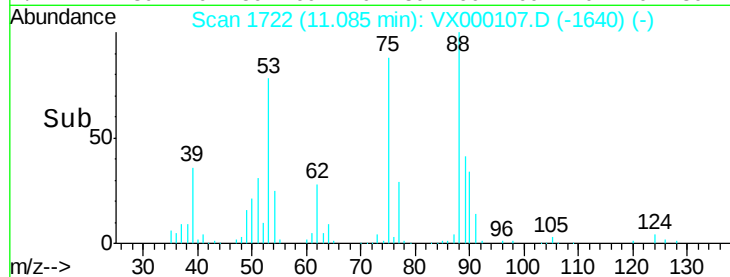
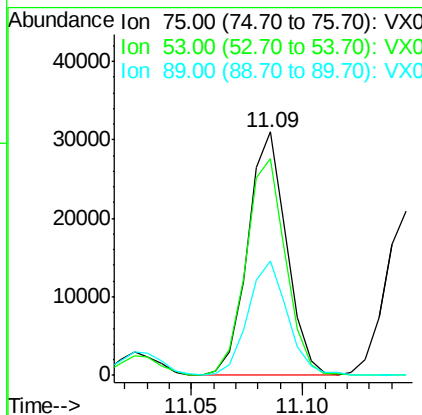
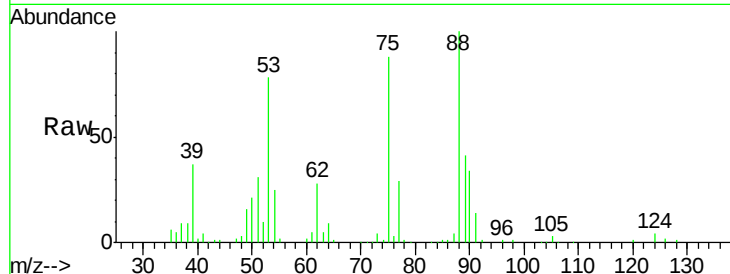
VSTDIC050

Tot Ion:	75	Resp:	37595
Ion Ratio	Lower	Upper	
75	100		
53	88.7	47.8	143.3
89	46.7	22.3	66.8

Manual Integrations
APPROVED

apatel

2/22/2018 4:04:27 PM



#78

4-Chlorotoluene

Concen: 49.92 ug/l

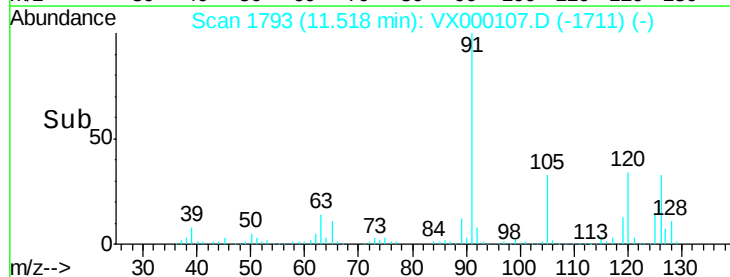
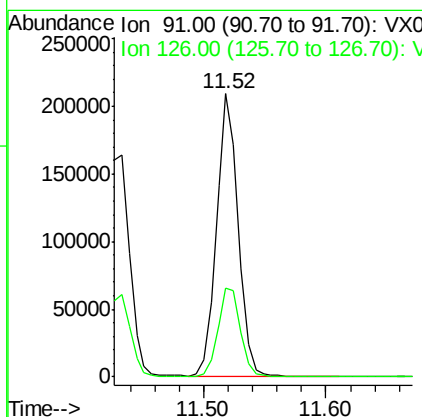
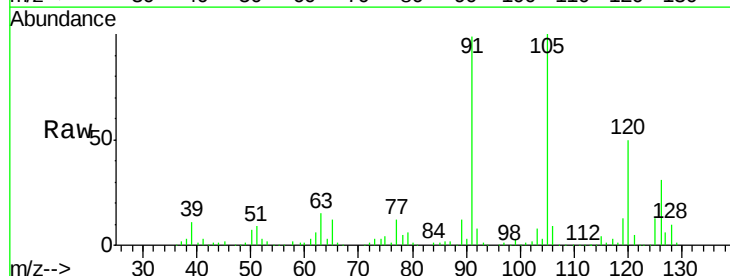
RT: 11.52 min Scan# 1793

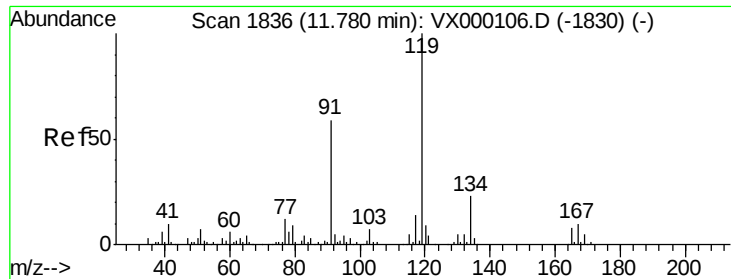
Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	91	Resp:	258972
Ion Ratio	Lower	Upper	
91	100		
126	32.8	0.0	63.4





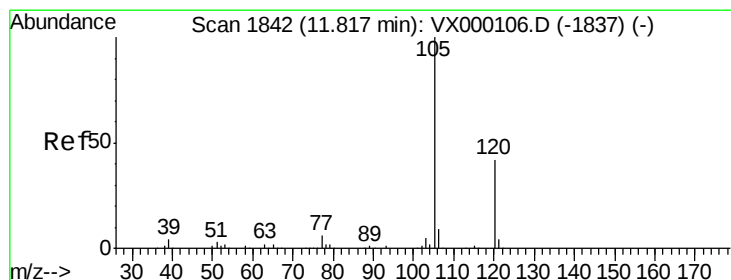
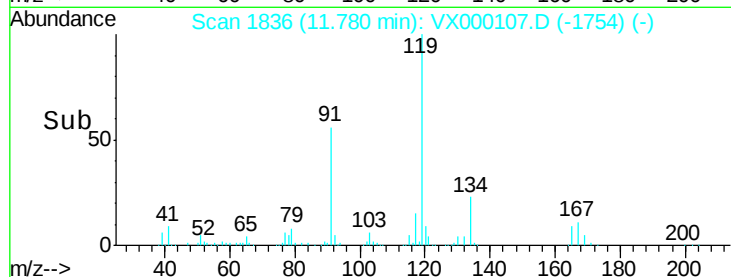
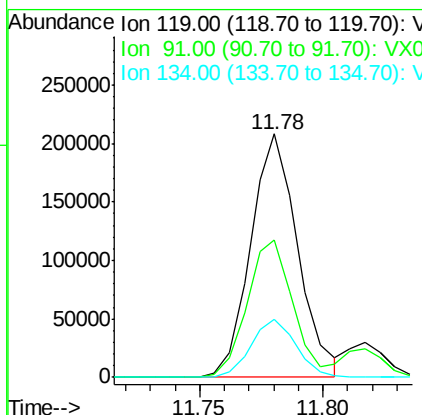
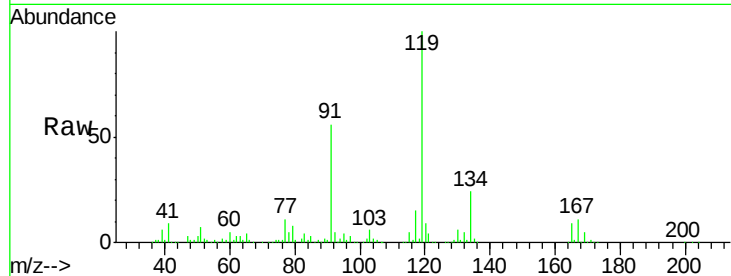
#79
tert-butylbenzene
Concen: 50.58 ug/l m
RT: 11.78 min Scan# 1836
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	276088		
91	25.6	0.0	51.6	
134	30.0	0.0	60.2	

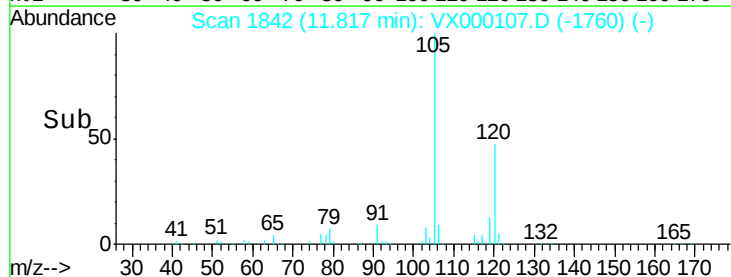
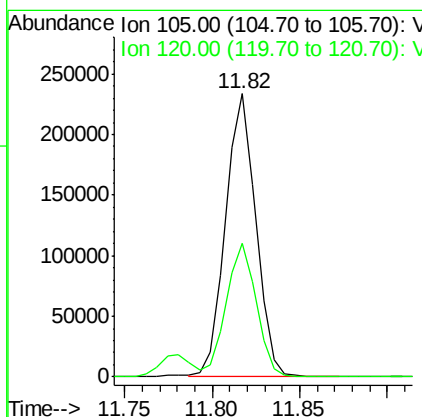
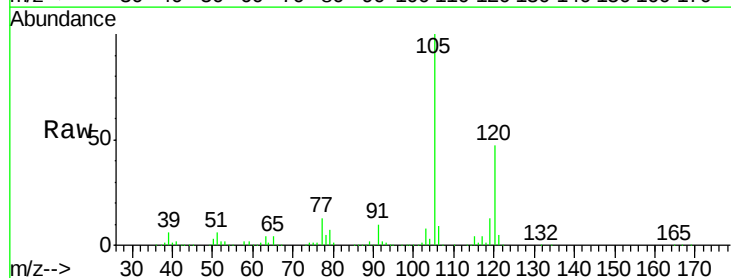
Manual Integrations
APPROVED

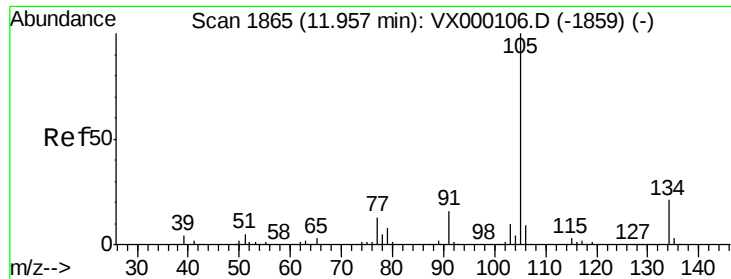
apatel
2/22/2018 4:04:27 PM



#80
1,2,4-Trimethylbenzene
Concen: 50.04 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000107.D
Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	281577		
120	46.7	0.0	93.0	





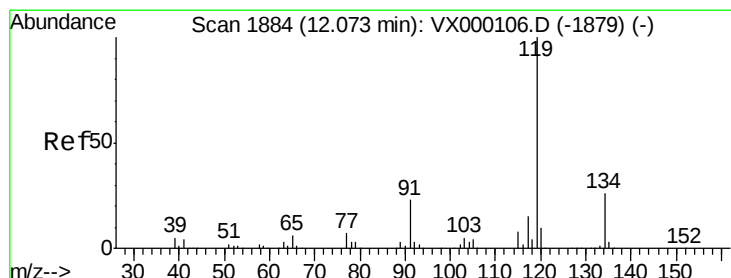
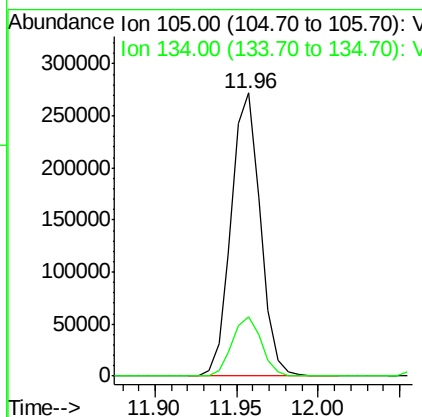
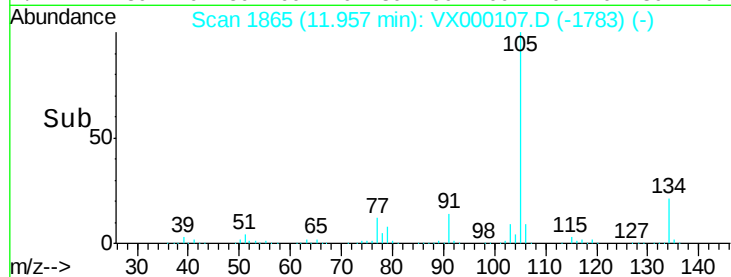
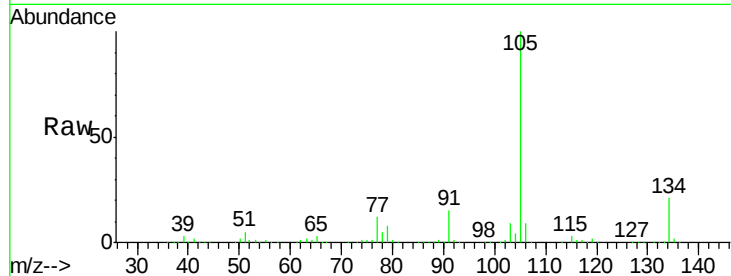
#81
 sec-Butylbenzene
 Concen: 50.06 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	41.8

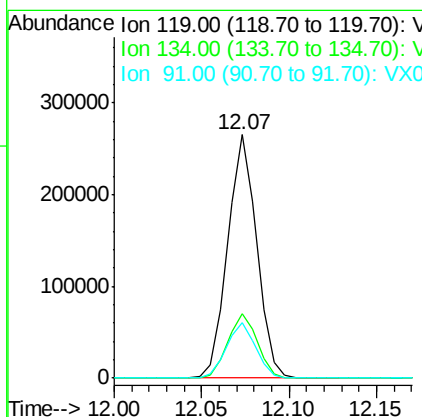
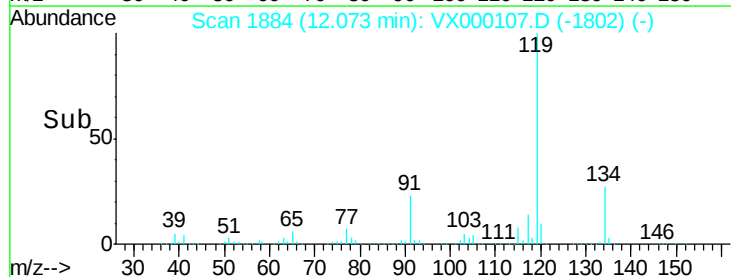
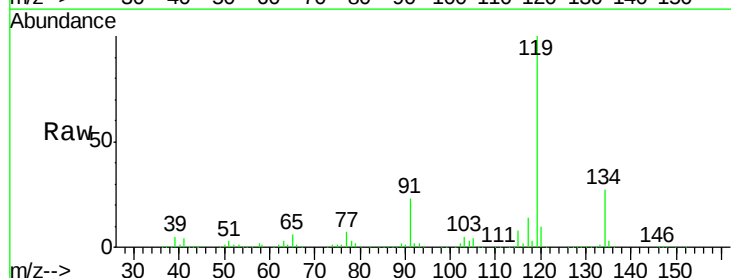
Manual Integrations
 APPROVED

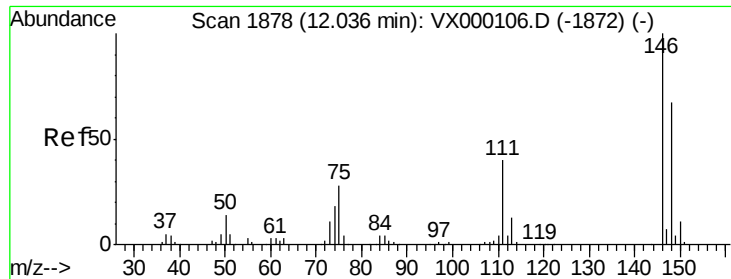
apatel
 2/22/2018 4:04:27 PM



#82
 p-Isopropyltoluene
 Concen: 50.74 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	54.4
91	23.0	0.0	46.6





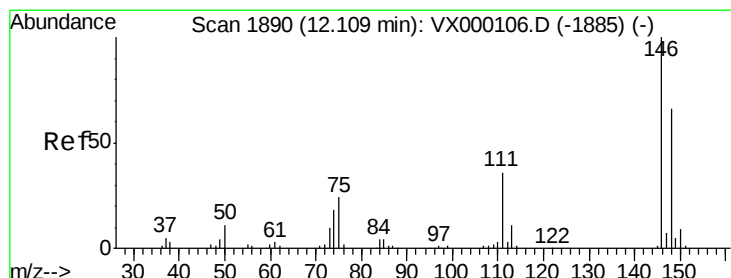
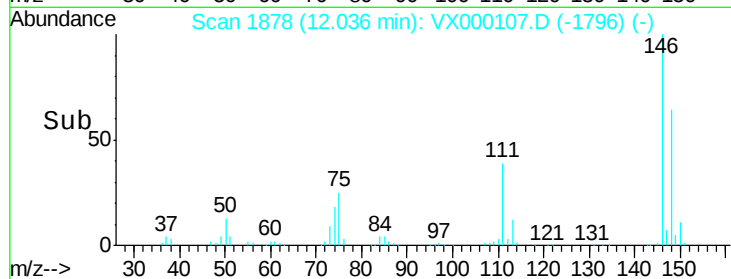
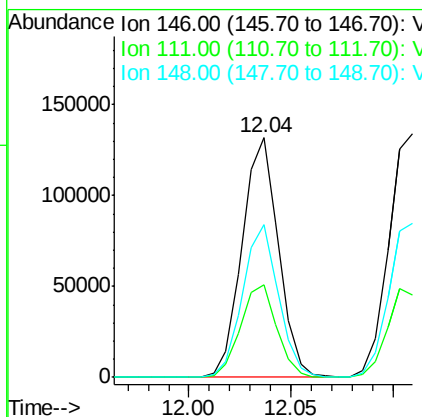
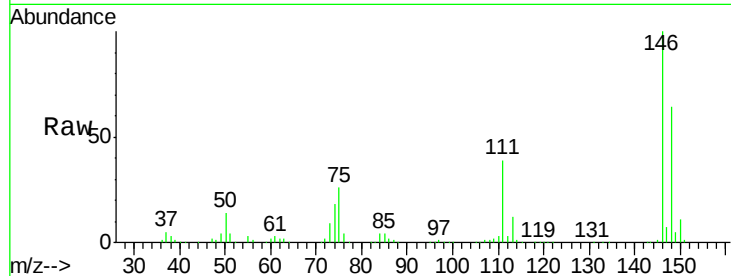
#83
 1,3-Dichlorobenzene
 Concen: 51.06 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	63.0	32.6	97.7

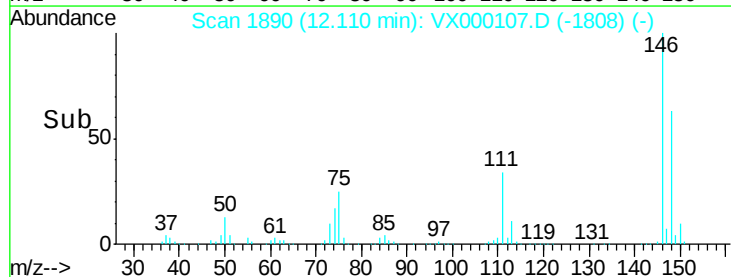
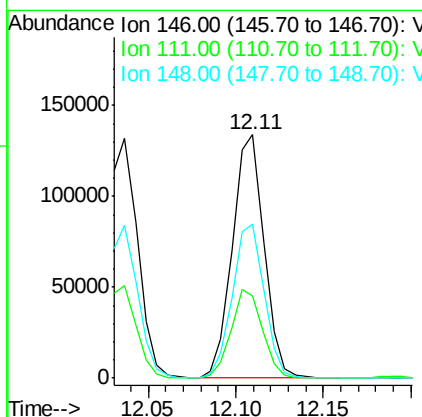
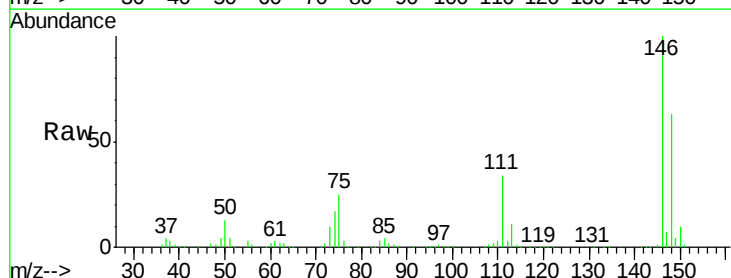
Manual Integrations
 APPROVED

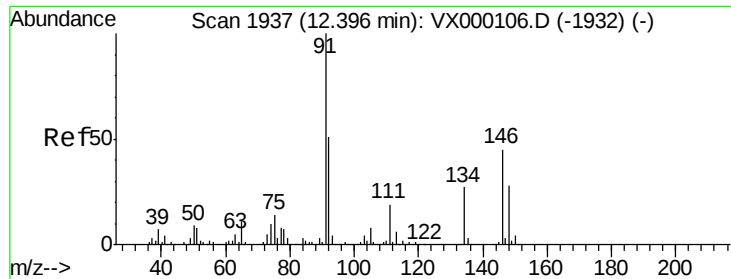
apatel
 2/22/2018 4:04:27 PM



#84
 1,4-Dichlorobenzene
 Concen: 51.38 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.0
148	63.9	31.9	95.7





#85

n-Butylbenzene

Concen: 49.43 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 279113

Ion Ratio Lower Upper

91 100

92 52.2 0.0 102.0

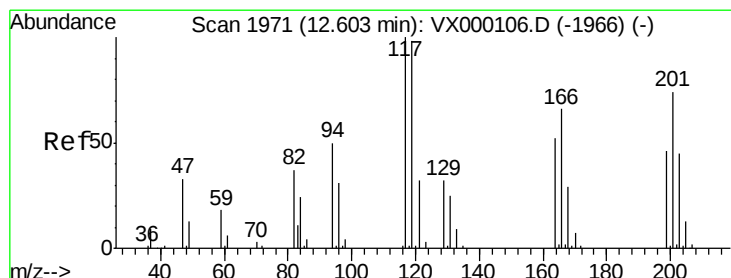
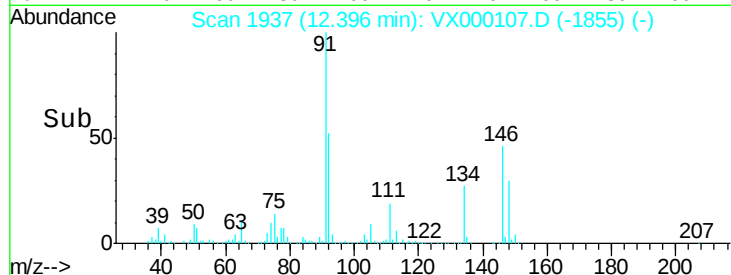
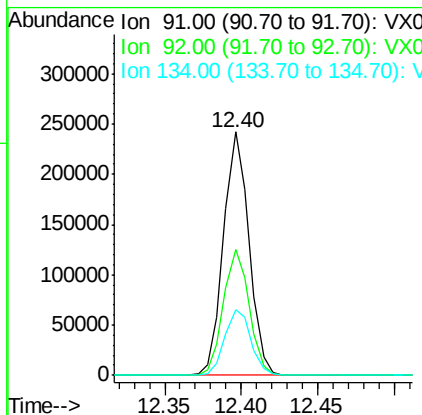
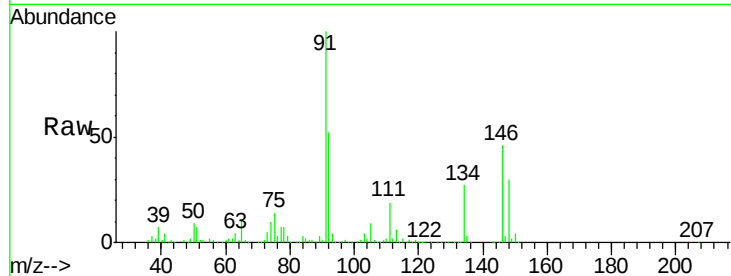
134 27.7 0.0 54.2

Manual Integrations

APPROVED

apatel

2/22/2018 4:04:27 PM



#86

Hexachloroethane

Concen: 53.13 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000107.D

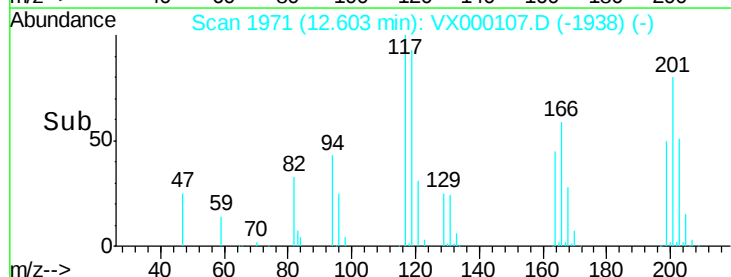
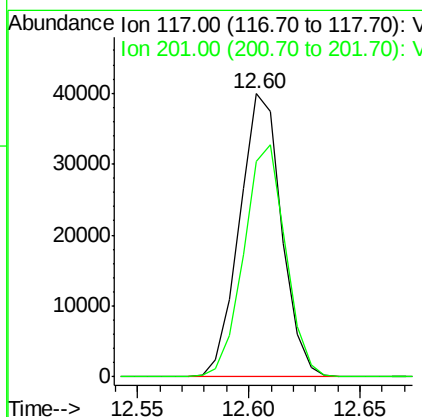
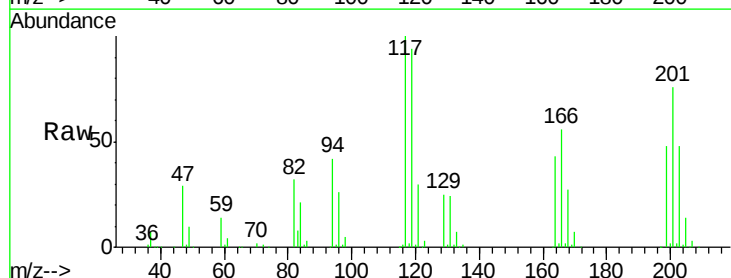
Acq: 20 Feb 2018 14:17

Tgt Ion: 117 Resp: 52559

Ion Ratio Lower Upper

117 100

201 81.7 38.9 116.6





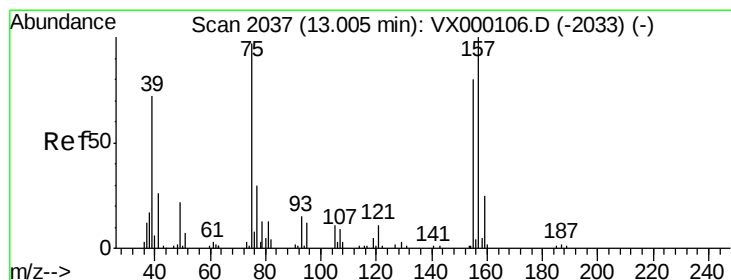
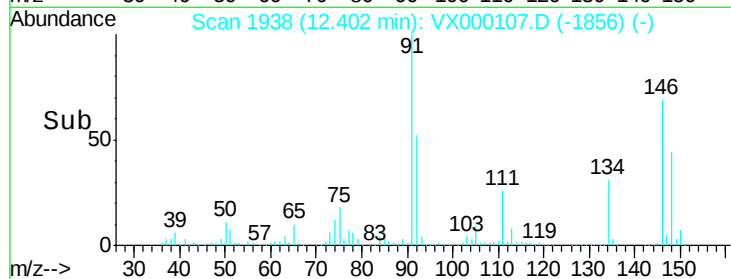
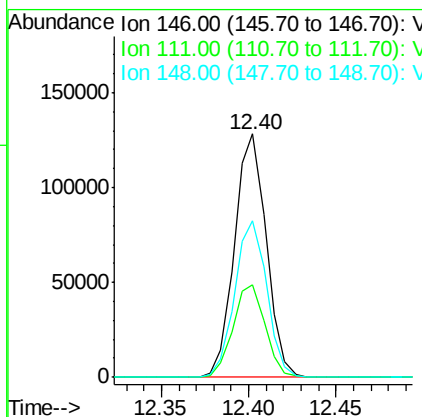
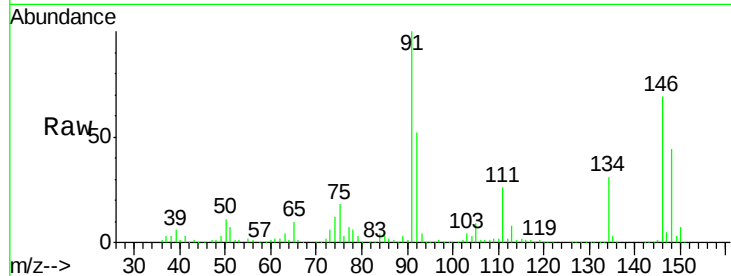
#87
 1,2-Dichlorobenzene
 Concen: 50.52 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		161988		
111	38.7	20.0	60.0		
148	64.7	31.6	95.0		

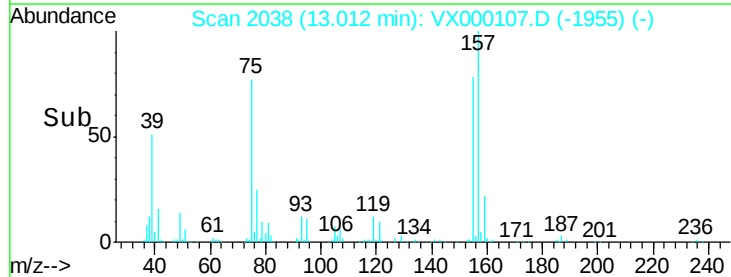
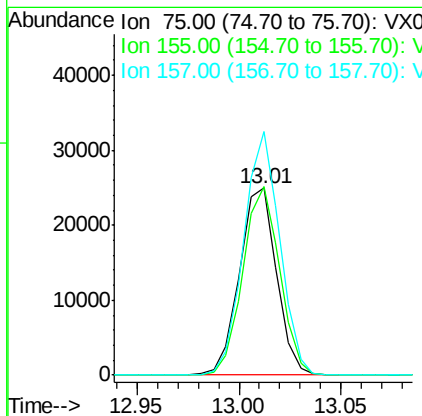
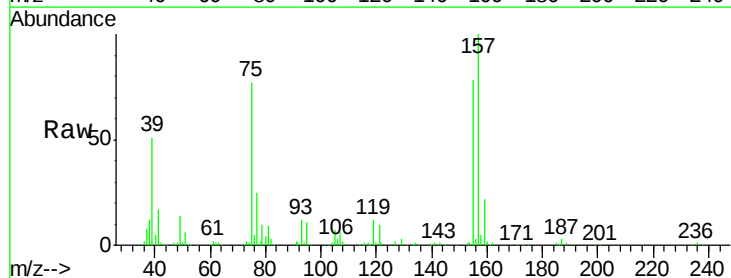
Manual Integrations
 APPROVED

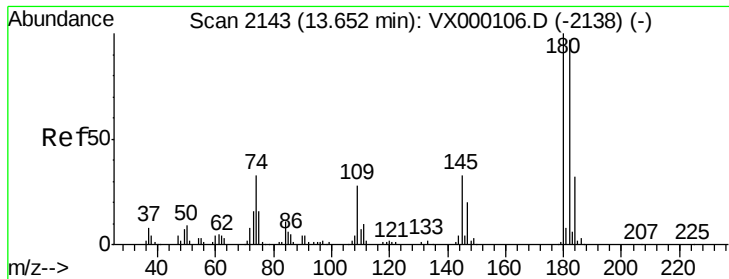
apatel
 2/22/2018 4:04:27 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 51.10 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		31521		
155	100.0	75.1	112.7		
157	126.8	99.0	148.4		





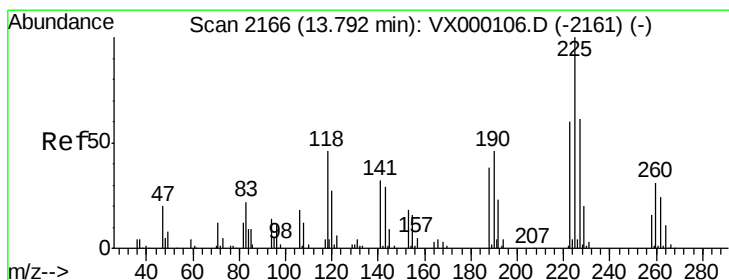
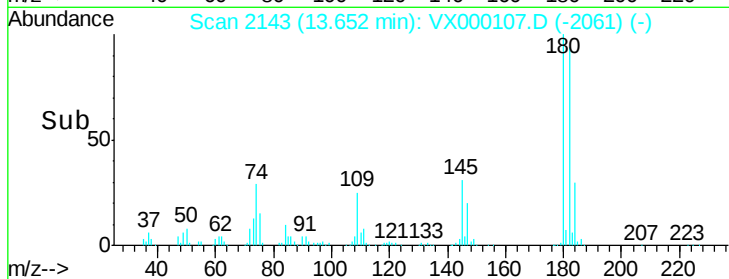
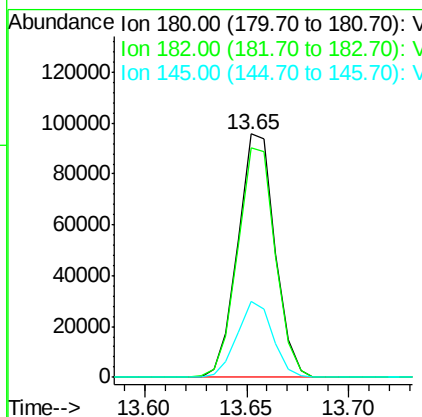
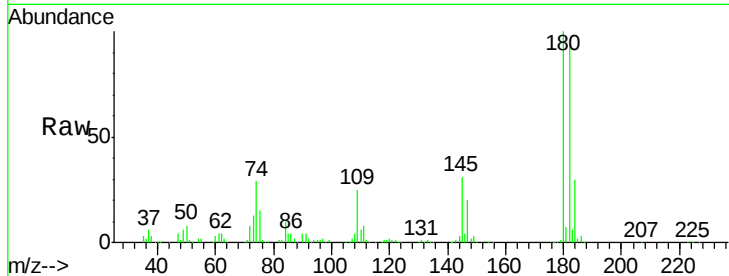
#89
 1,2,4-Trichlorobenzene
 Concen: 52.63 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
145	30.1	24.6	37.0

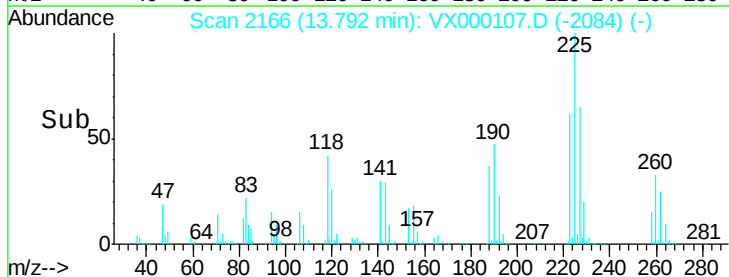
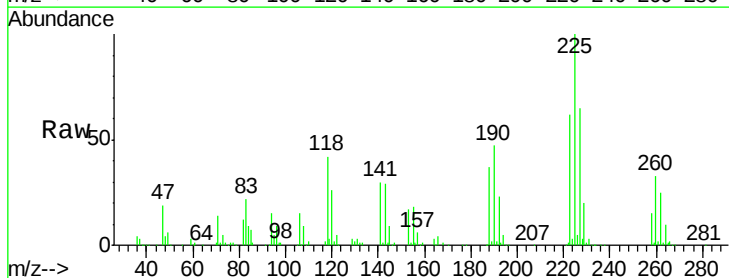
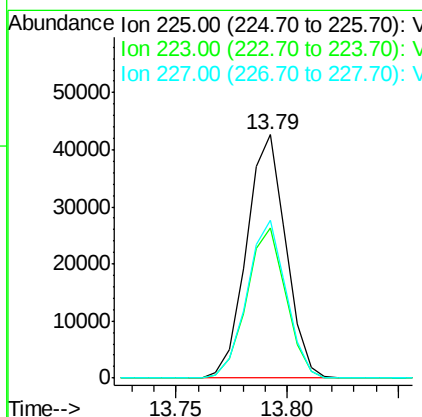
Manual Integrations
 APPROVED

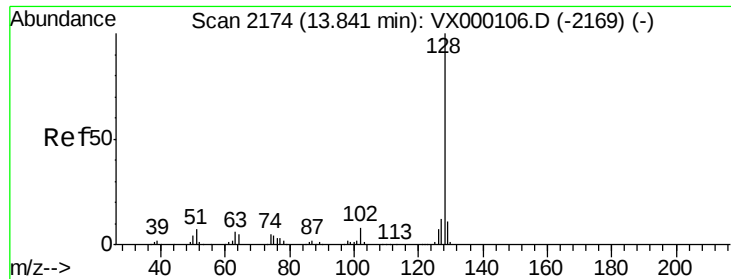
apatel
 2/22/2018 4:04:27 PM



#90
 Hexachlorobutadiene
 Concen: 54.80 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000107.D
 Acq: 20 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	0.0	131.2
227	64.3	0.0	127.6





#91

Naphthalene

Concen: 50.50 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Instrument :

MSVOA_X

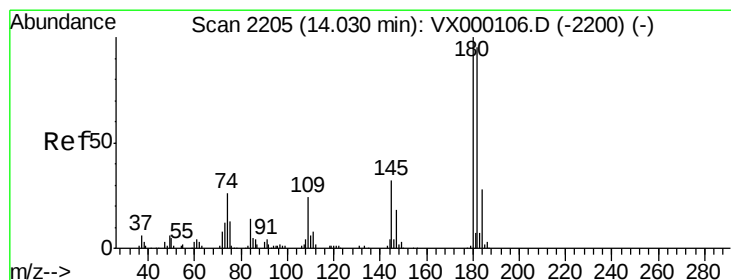
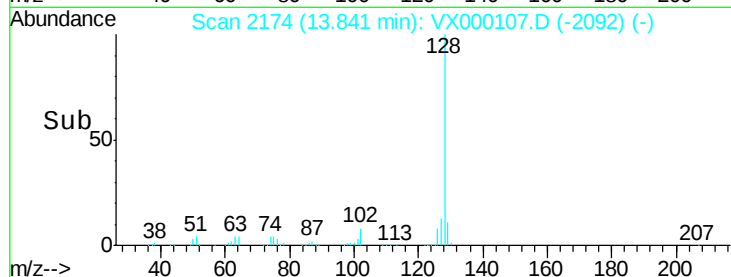
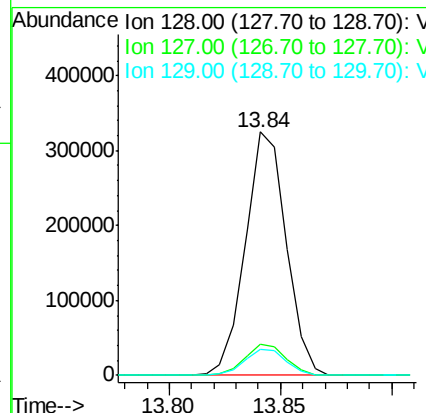
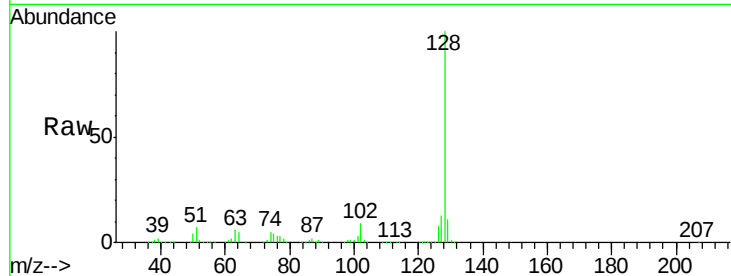
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	415668
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.9	9.0	13.6

Manual Integrations
APPROVED

apatel
2/22/2018 4:04:27 PM



#92

1,2,3-Trichlorobenzene

Concen: 51.90 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000107.D

Acq: 20 Feb 2018 14:17

Tgt Ion:	180	Resp:	121306
Ion Ratio	Lower	Upper	
180	100		
182	94.5	0.0	188.6
145	30.8	0.0	65.8

