

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\
 Data File : VX001616.D
 Acq On : 10 May 2018 21:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 5/11/2018 1:06:57 PM

Quant Time: May 11 07:05:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160898	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	131841	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	8.72	98	470000	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.14	95	178392	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	143309	46.39	ug/l	99
3) Chloromethane	1.32	50	140818	46.80	ug/l	99
4) Vinyl Chloride	1.40	62	148724	47.36	ug/l	99
5) Bromomethane	1.64	94	64327	44.37	ug/l	99
6) Chloroethane	1.72	64	100916	48.62	ug/l	97
7) Trichlorofluoromethane	1.92	101	233963	49.51	ug/l	99
8) Diethyl Ether	2.19	74	93348	50.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	131857	47.59	ug/l	99
10) Methyl Iodide	2.51	142	175478	43.90	ug/l	100
11) Tert butyl alcohol	3.09	59	189052	271.85	ug/l	99
12) 1,1-Dichloroethene	2.37	96	125267	49.33	ug/l	99
13) Acrolein	2.30	56	28305	204.33	ug/l	95
14) Allyl chloride	2.73	41	238384	50.35	ug/l	98
15) Acrylonitrile	3.15	53	419473	266.93	ug/l	100
16) Acetone	2.45	43	370313	247.25	ug/l	99
17) Carbon Disulfide	2.57	76	290250	44.91	ug/l	99
18) Methyl Acetate	2.78	43	229846	58.41	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	456895	51.68	ug/l	99
20) Methylene Chloride	2.86	84	143692	48.45	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	135552	47.83	ug/l	96
22) Diisopropyl ether	3.88	45	447186	50.55	ug/l	99
23) Vinyl Acetate	3.83	43	1862631	252.65	ug/l	99
24) 1,1-Dichloroethane	3.70	63	258055	52.22	ug/l	99
25) 2-Butanone	4.72	43	572490	264.43	ug/l	99
26) 2,2-Dichloropropane	4.59	77	166105	43.53	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	151874	50.32	ug/l	97
28) Bromochloromethane	5.03	49	116270	54.27	ug/l	98
29) Tetrahydrofuran	5.18	42	369980	267.09	ug/l	100
30) Chloroform	5.22	83	267175	52.49	ug/l	97
31) Cyclohexane	5.57	56	204708	48.23	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	235805	53.00	ug/l	100
36) 1,1-Dichloropropene	5.81	75	184864	48.40	ug/l	99
37) Ethyl Acetate	4.87	43	218913	52.28	ug/l	100
38) Carbon Tetrachloride	5.79	117	210349	51.63	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\
 Data File : VX001616.D
 Acq On : 10 May 2018 21:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 5/11/2018 1:06:57 PM

Quant Time: May 11 07:05:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212376	47.03	ug/l	98
40) Benzene	6.15	78	567554	50.87	ug/l	100
41) Methacrylonitrile	5.07	41	124335	51.90	ug/l	99
42) 1,2-Dichloroethane	6.21	62	222144	51.80	ug/l	99
43) Isopropyl Acetate	6.48	43	342242	53.24	ug/l	100
44) Trichloroethene	7.22	130	170895	50.11	ug/l	99
45) 1,2-Dichloropropane	7.53	63	145992	52.49	ug/l	98
46) Dibromomethane	7.67	93	101923	51.76	ug/l	99
47) Bromodichloromethane	7.90	83	199307	54.69	ug/l	99
48) Methyl methacrylate	7.79	41	186266	53.22	ug/l	99
49) 1,4-Dioxane	7.76	88	81820	1081.99	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1176993	275.55	ug/l	99
52) Toluene	8.79	92	372413	51.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	221625	53.81	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	198369	46.74	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	154513	52.57	ug/l	96
56) Ethyl methacrylate	9.19	69	228848	54.01	ug/l	98
57) 1,3-Dichloropropane	9.38	76	250880	51.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	590170	284.00	ug/l	99
59) 2-Hexanone	9.51	43	890979	272.40	ug/l	99
60) Dibromochloromethane	9.59	129	164676	54.71	ug/l	99
61) 1,2-Dibromoethane	9.68	107	161779	52.42	ug/l	100
64) Tetrachloroethene	9.34	164	201867	50.28	ug/l	99
65) Chlorobenzene	10.15	112	426363	50.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	161913	53.59	ug/l	100
67) Ethyl Benzene	10.26	91	708360	51.16	ug/l	100
68) m/p-Xylenes	10.37	106	563441	102.99	ug/l	100
69) o-Xylene	10.71	106	276352	51.98	ug/l	99
70) Styrene	10.72	104	464534	53.78	ug/l	98
71) Bromoform	10.87	173	136863	47.31	ug/l	100
73) Isopropylbenzene	11.02	105	744413	51.71	ug/l	100
74) N-amyl acetate	6.48	43	342242	52.34	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	226083	53.17	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	222030m	52.64	ug/l	
77) Bromobenzene	11.26	156	210187	50.22	ug/l	100
78) n-propylbenzene	11.37	91	820507	52.34	ug/l	99
79) 2-Chlorotoluene	11.43	91	495124	51.32	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	618650	51.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59191	45.20	ug/l	98
82) 4-Chlorotoluene	11.52	91	573954	51.57	ug/l	100
83) tert-Butylbenzene	11.77	119	606133	50.82	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	641219	52.05	ug/l	100
85) sec-Butylbenzene	11.95	105	752837	52.59	ug/l	100
86) p-Isopropyltoluene	12.07	119	689445	52.50	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	380469	50.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	383312	50.23	ug/l	100
89) n-Butylbenzene	12.40	91	560814	51.54	ug/l	99
90) Hexachloroethane	12.60	117	108967	55.11	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	386662	50.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54835	58.70	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\
Data File : VX001616.D
Acq On : 10 May 2018 21:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM

Quant Time: May 11 07:05:51 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	285506	51.26	ug/l	100
94) Hexachlorobutadiene	13.79	225	151479	49.70	ug/l	99
95) Naphthalene	13.84	128	843033	54.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	299553	52.41	ug/l	99

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

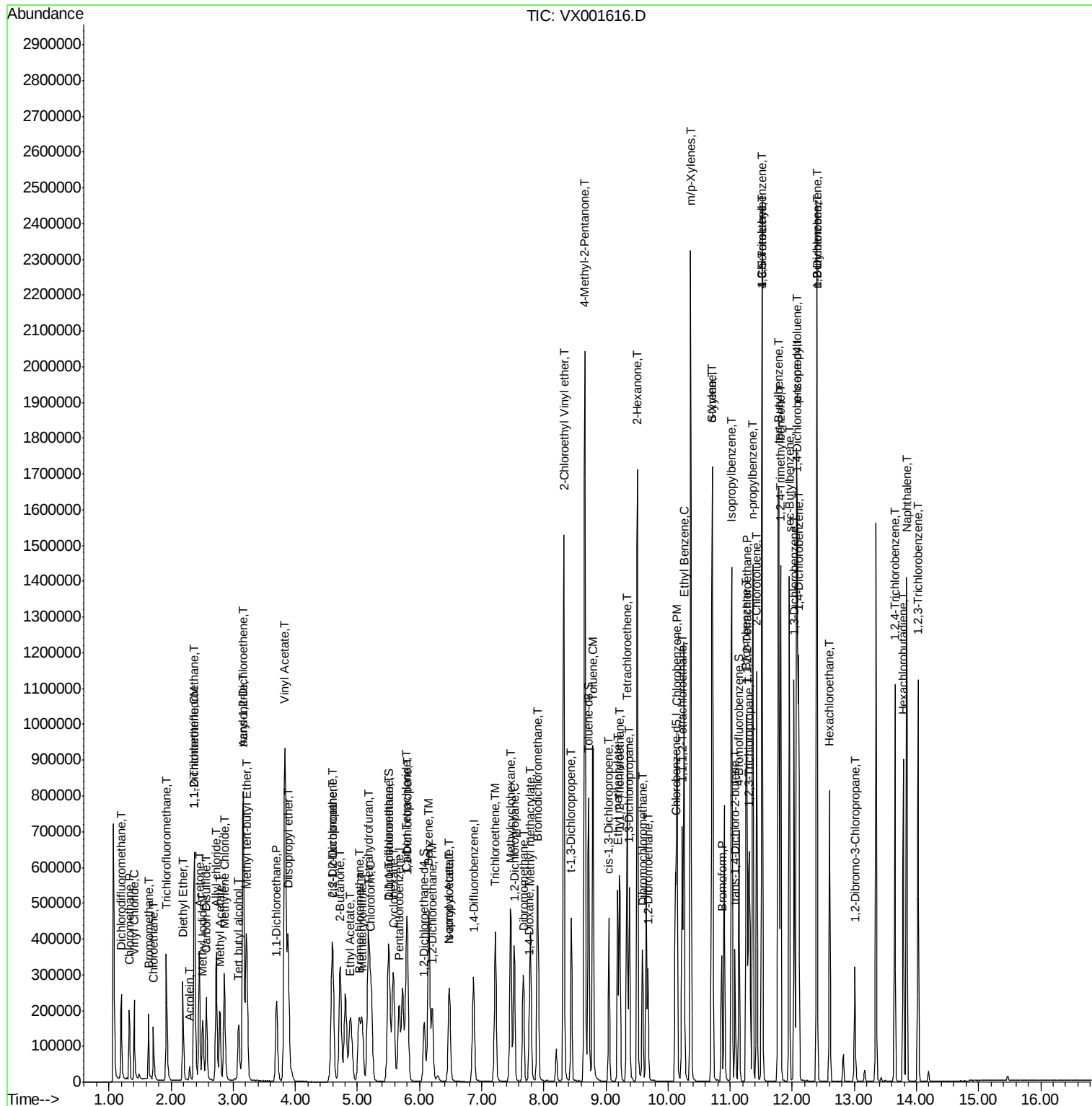
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\
Data File : VX001616.D
Acq On : 10 May 2018 21:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

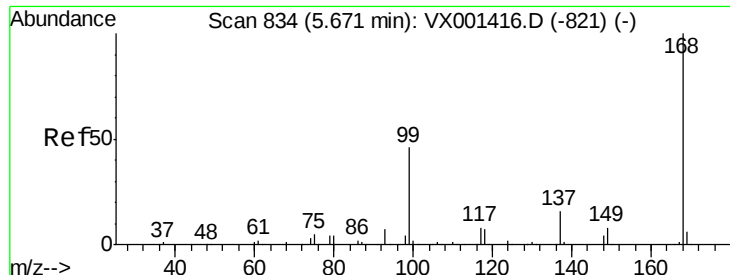
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

apatel
5/11/2018 1:06:57 PM

Quant Time: May 11 07:05:51 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 229486

Ion Ratio Lower Upper

168 100

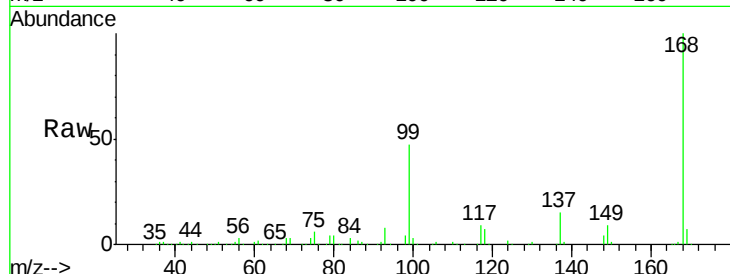
99 46.9 36.6 54.8

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

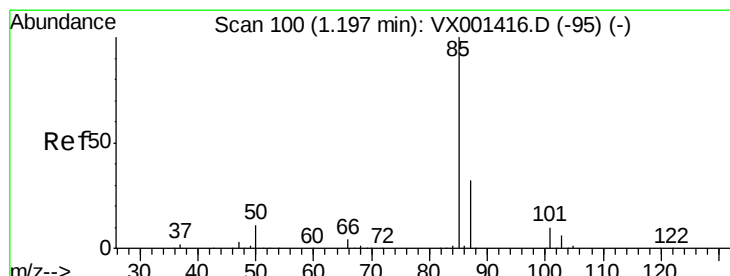
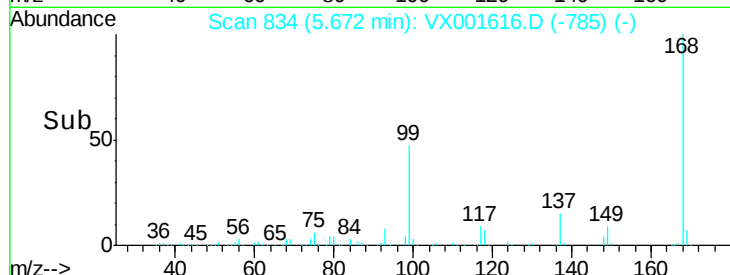
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.39 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001616.D

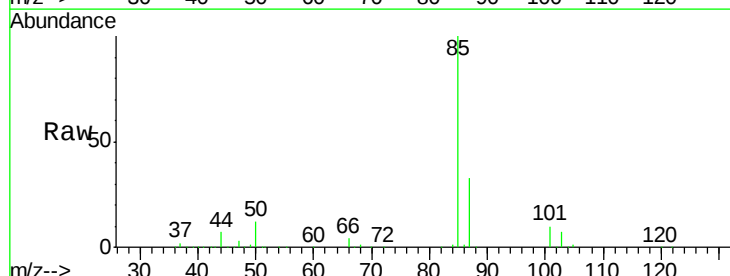
Acq: 10 May 2018 21:42

Tgt Ion: 85 Resp: 143309

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

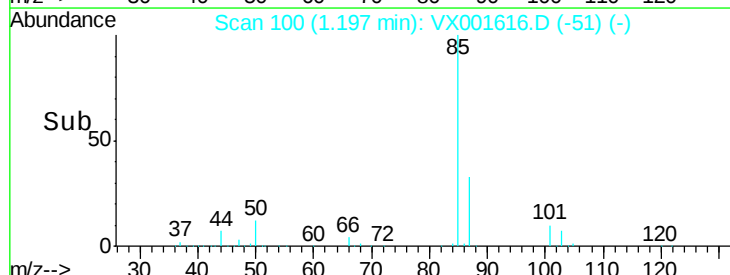
150000

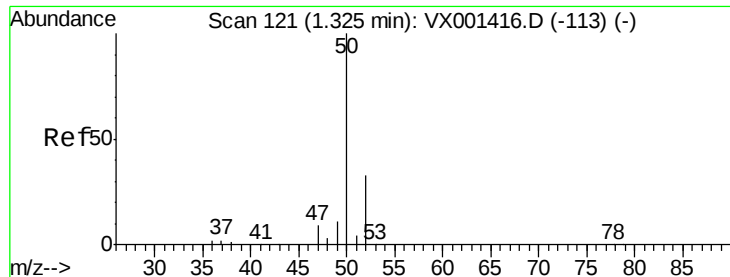
100000

50000

0

Time-->





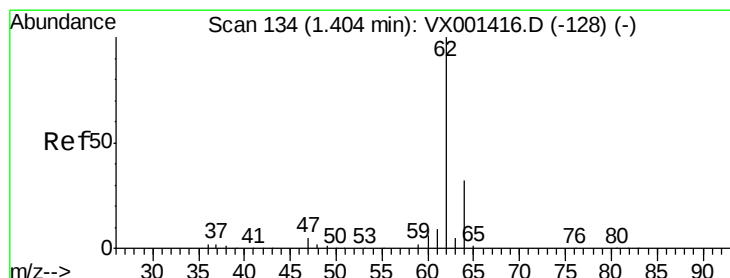
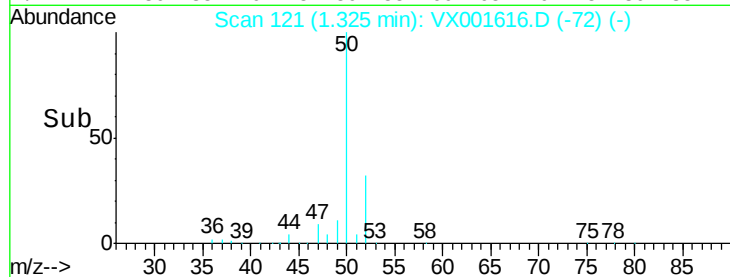
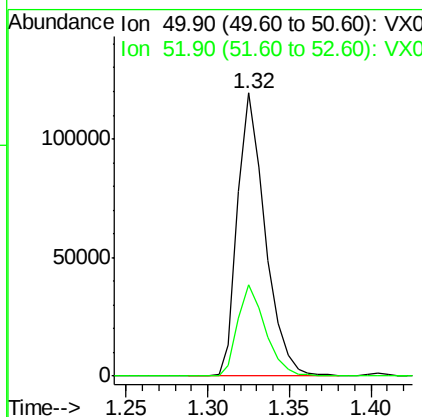
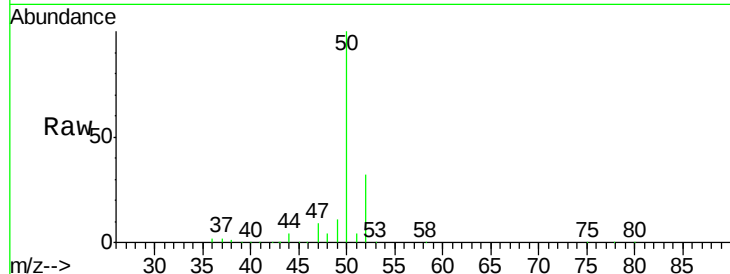
#3
Chloromethane
Concen: 46.80 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.4

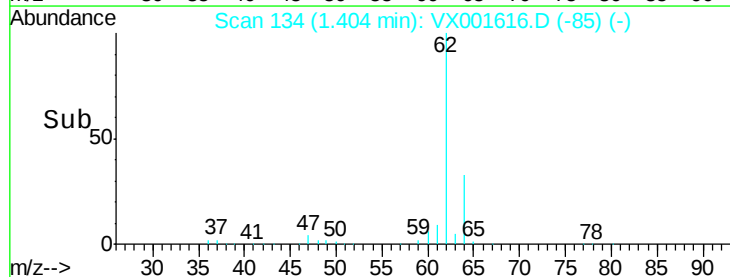
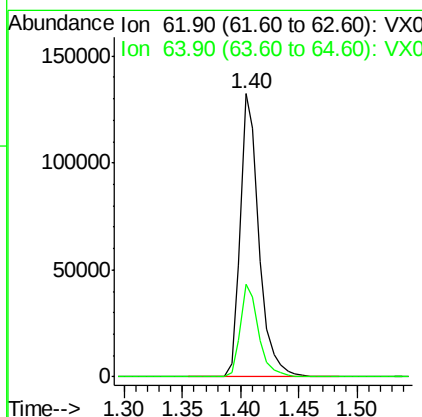
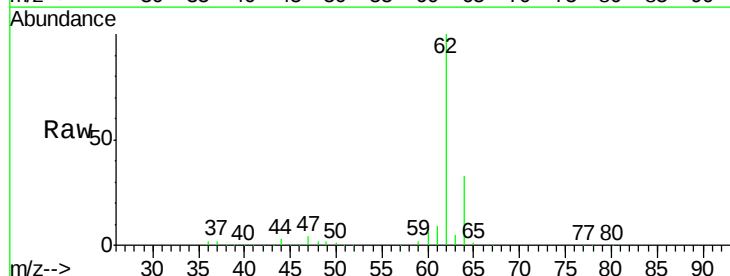
Manual Integrations
APPROVED

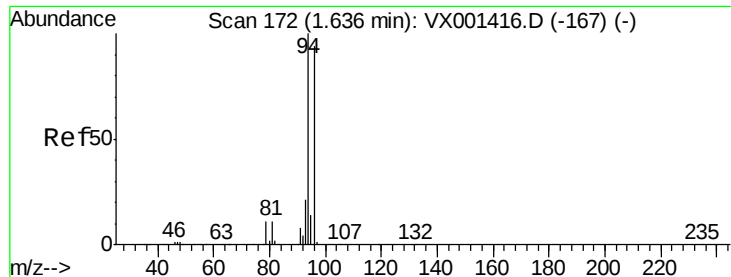
apatel
5/11/2018 1:06:57 PM



#4
Vinyl Chloride
Concen: 47.36 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.8	38.6





#5

Bromomethane

Concen: 44.37 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64327

Ion Ratio Lower Upper

94 100

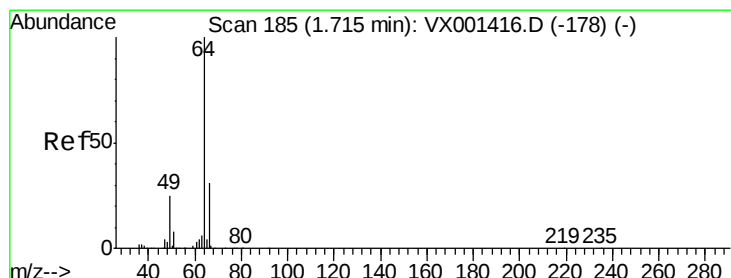
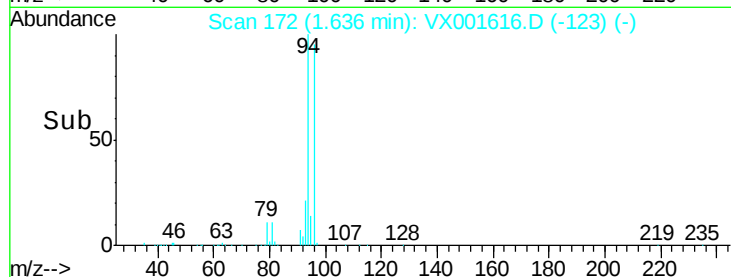
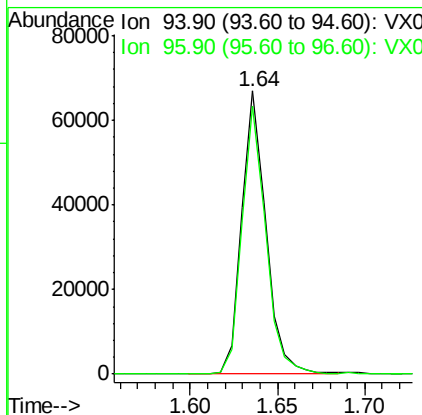
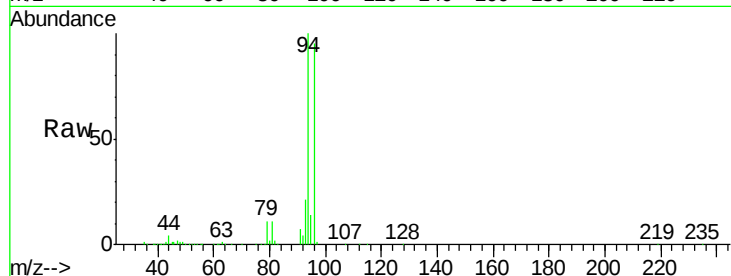
96 94.7 75.0 112.6

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



#6

Chloroethane

Concen: 48.62 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001616.D

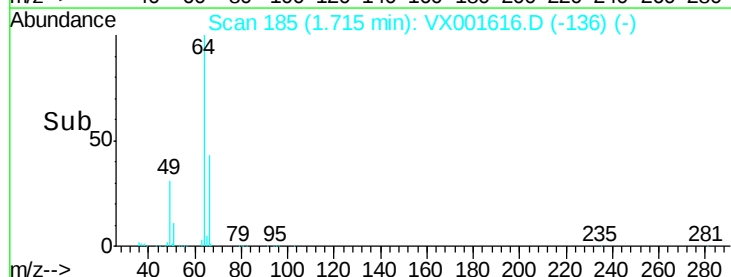
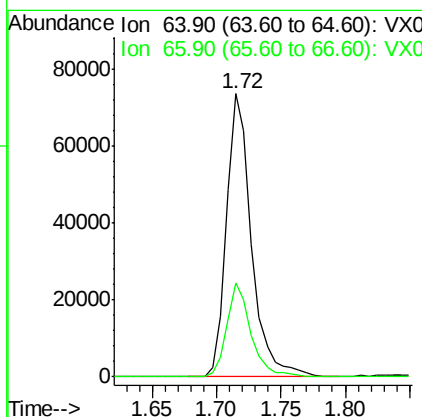
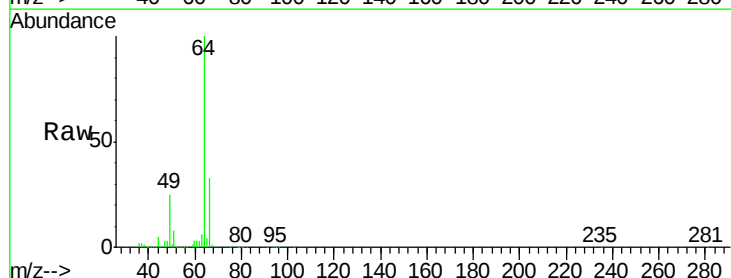
Acq: 10 May 2018 21:42

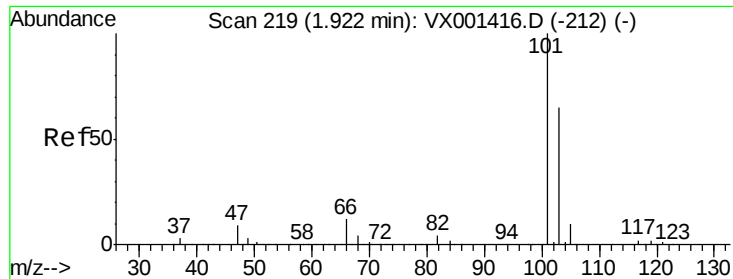
Tgt Ion: 64 Resp: 100916

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7





#7

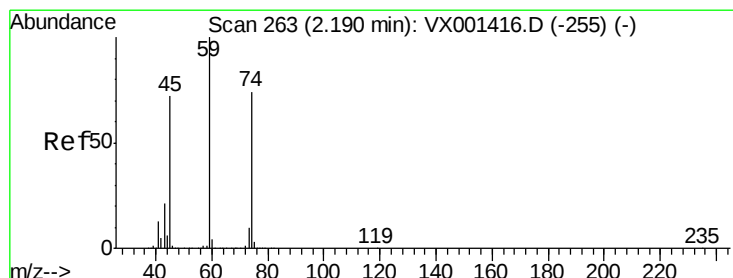
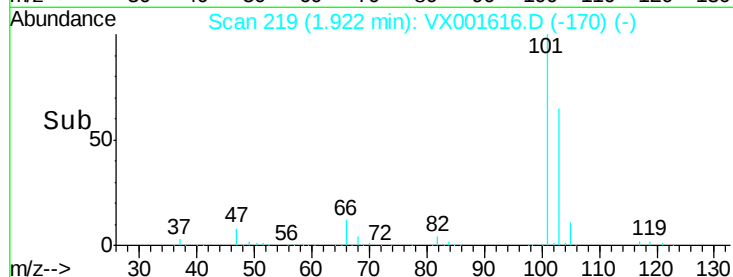
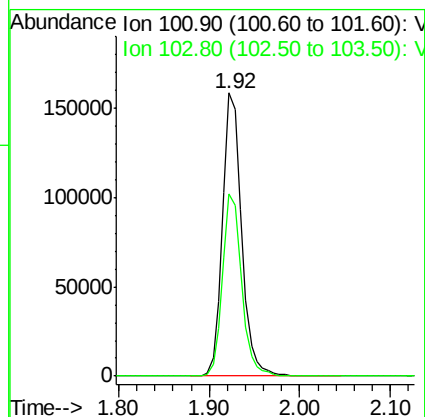
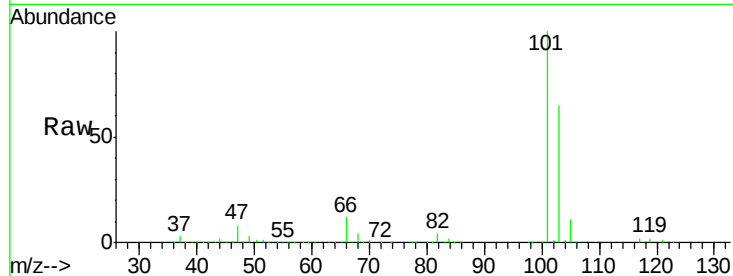
Trichlorofluoromethane
 Concen: 49.51 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.0	78.0

Manual Integrations
 APPROVED

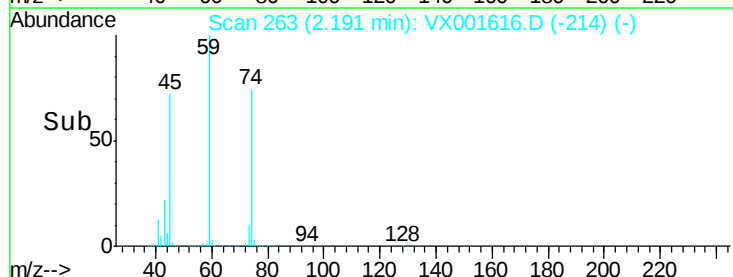
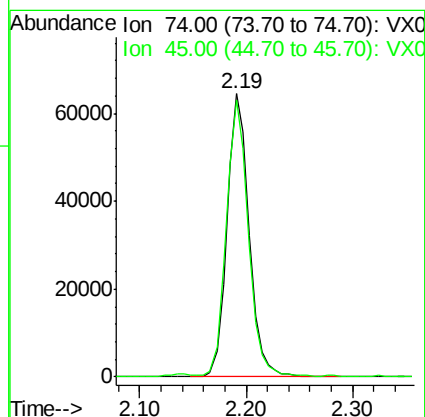
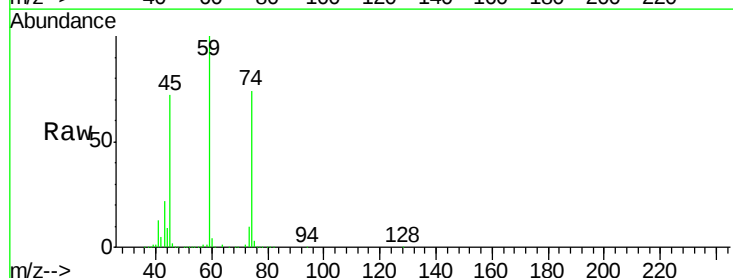
apatel
 5/11/2018 1:06:57 PM

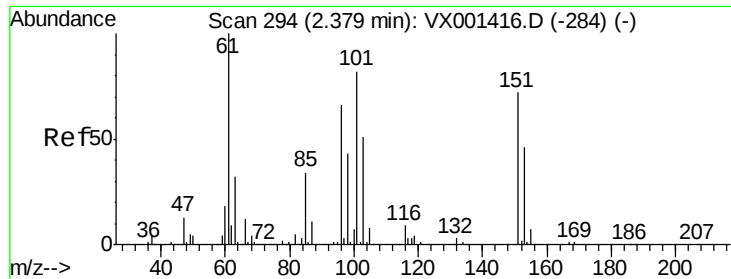


#8

Diethyl Ether
 Concen: 50.40 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.59 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

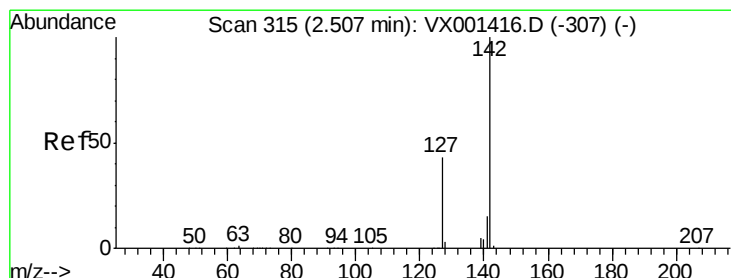
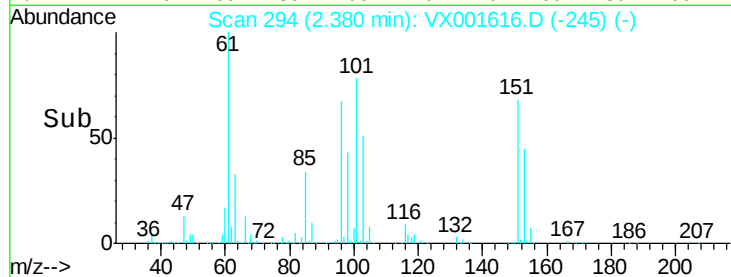
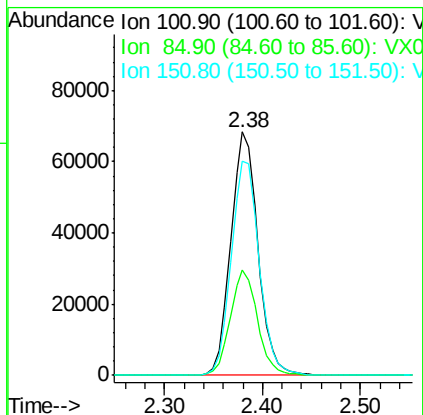
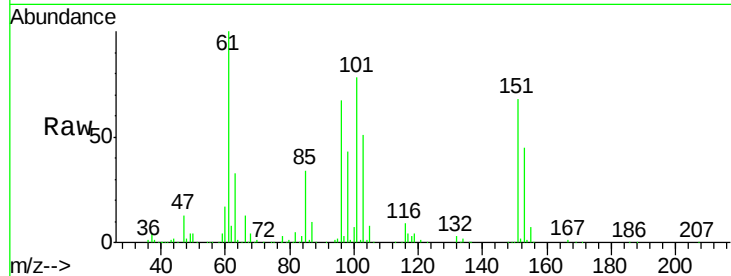
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	131857
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.7	50.5
151	90.7	72.3	108.5

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#10

Methyl Iodide

Concen: 43.90 ug/l

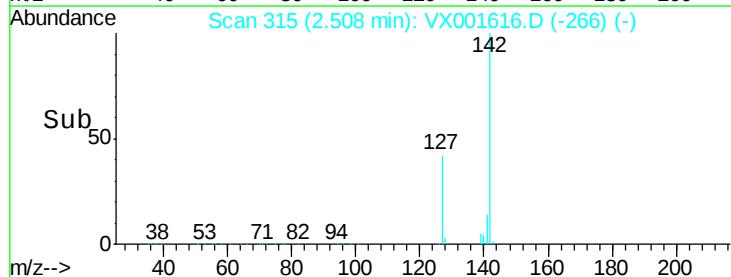
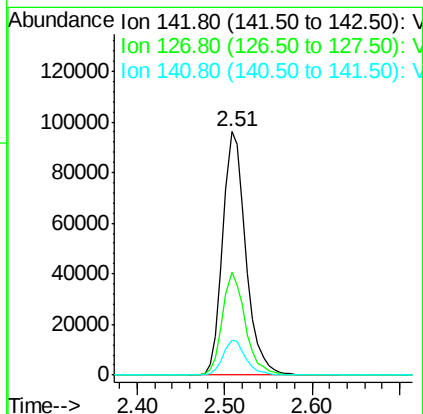
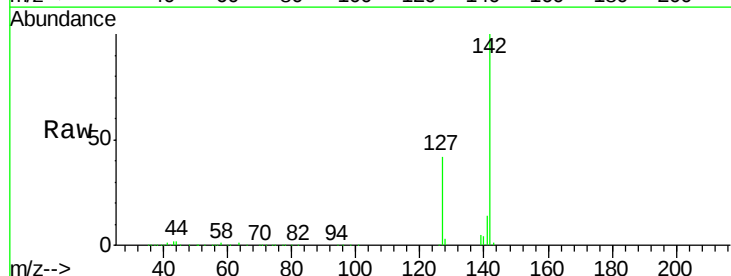
RT: 2.51 min Scan# 315

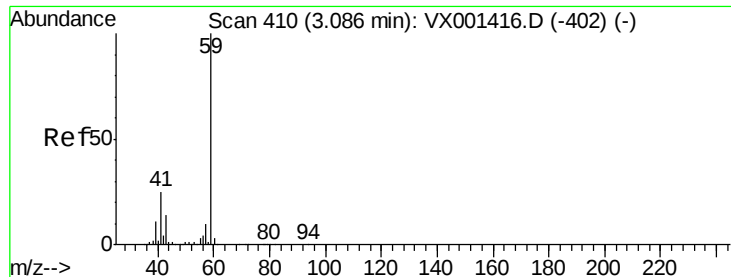
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	142	Resp:	175478
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	14.2	11.4	17.2





#11

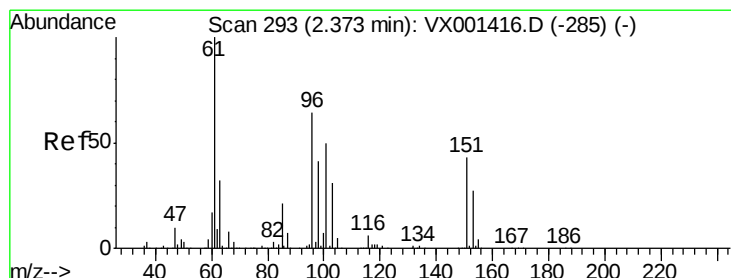
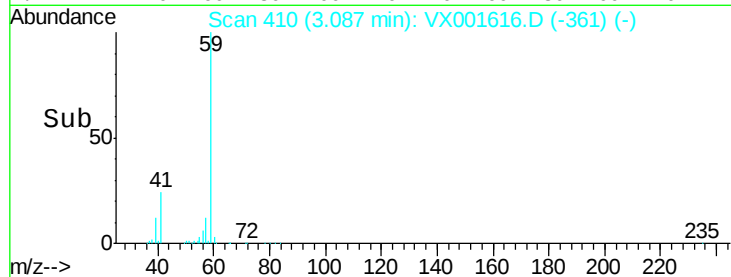
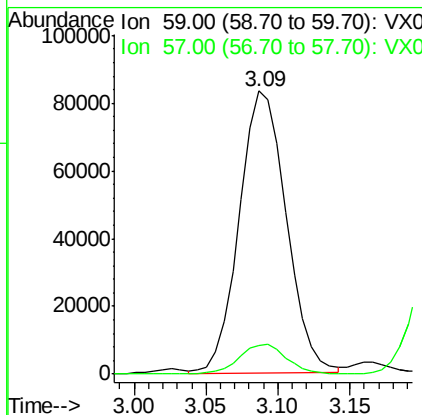
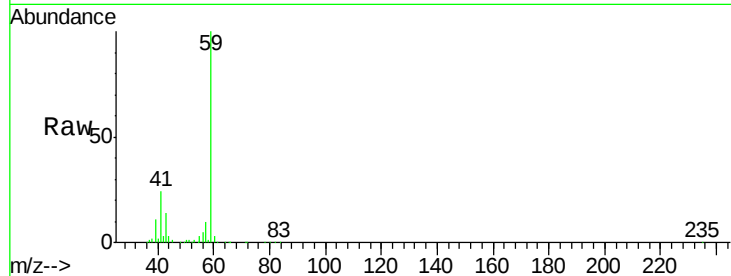
Tert butyl alcohol
Concen: 271.85 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.4

Manual Integrations
APPROVED

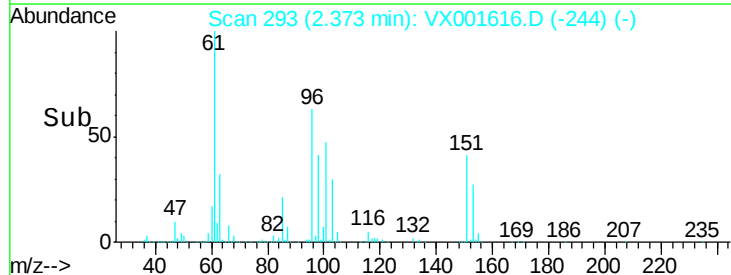
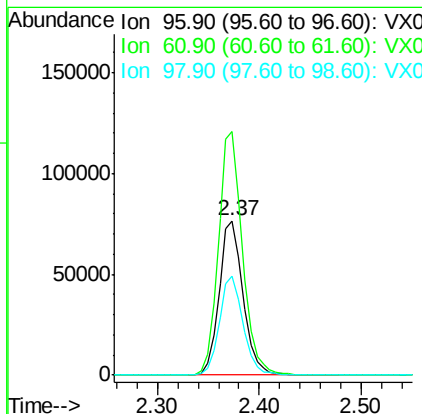
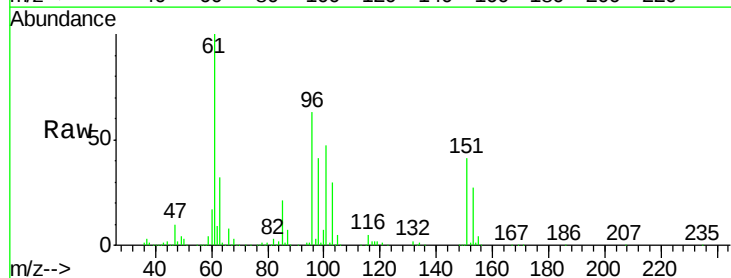
apatel
5/11/2018 1:06:57 PM

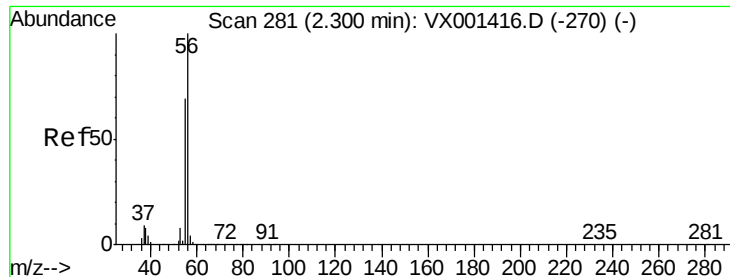


#12

1,1-Dichloroethene
Concen: 49.33 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	125.7	188.5
98	64.3	52.0	78.0





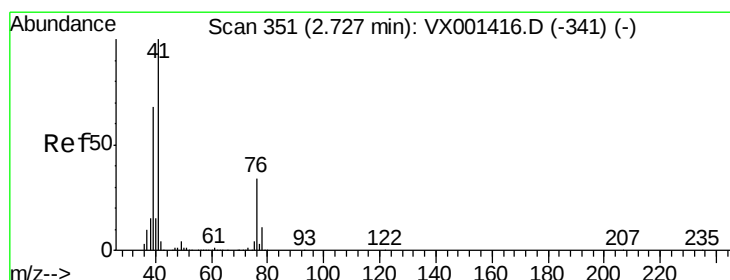
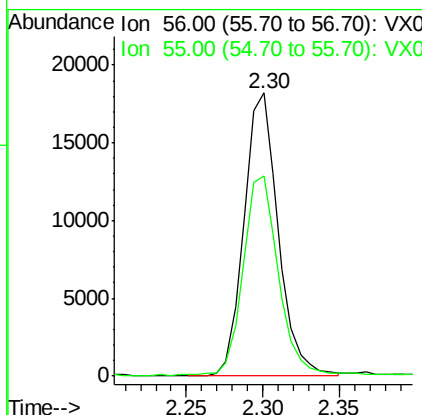
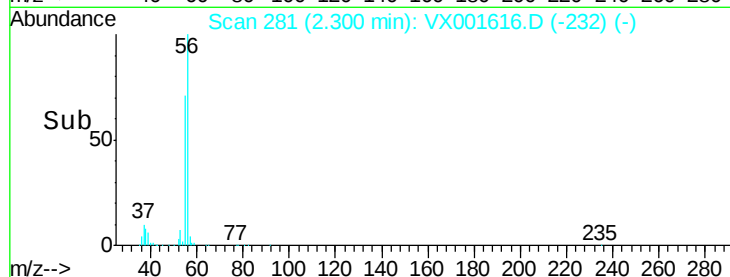
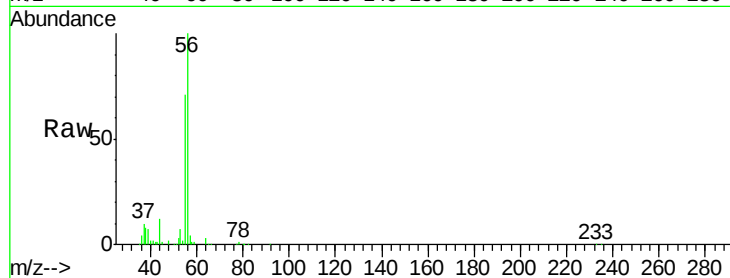
#13
Acrolein
Concen: 204.33 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	54.5	81.7

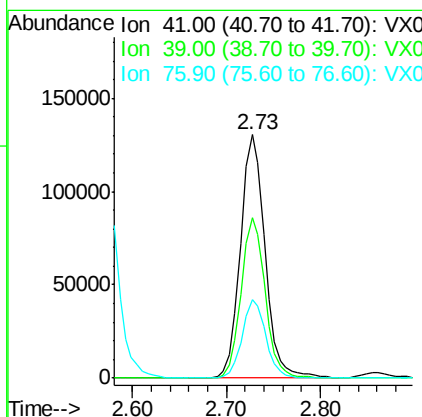
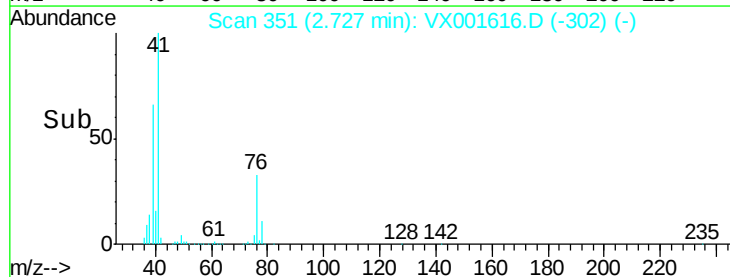
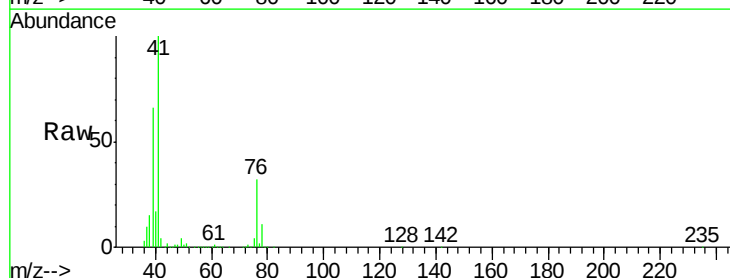
Manual Integrations
APPROVED

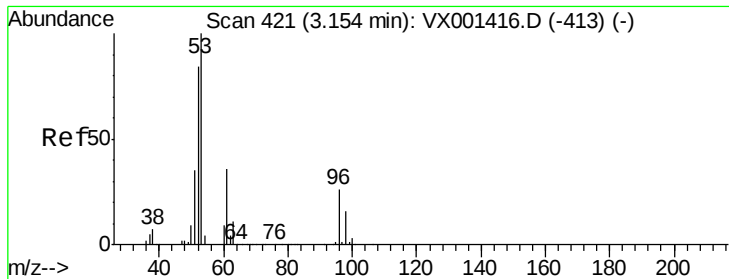
apatel
5/11/2018 1:06:57 PM



#14
Allyl chloride
Concen: 50.35 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	52.4	78.6
76	31.2	25.8	38.6





#15

Acrylonitrile

Concen: 266.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

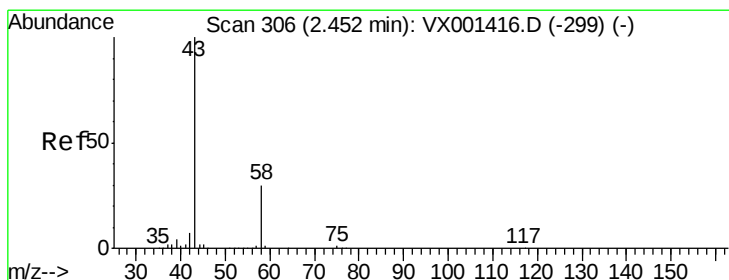
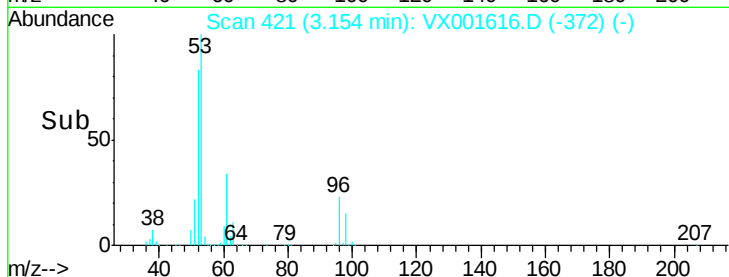
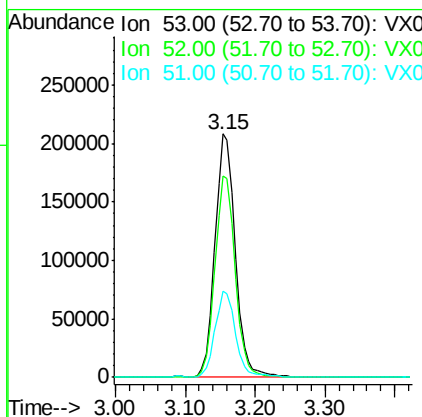
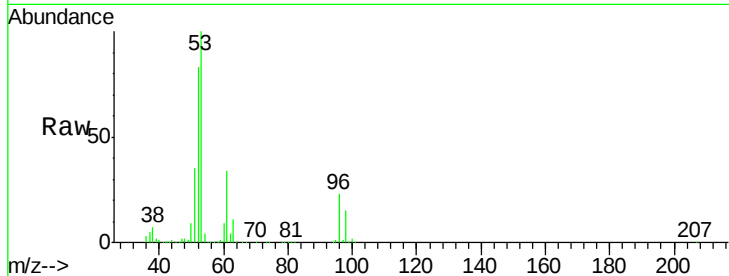
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	419473
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.2	99.2
51	35.9	28.6	43.0

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#16

Acetone

Concen: 247.25 ug/l

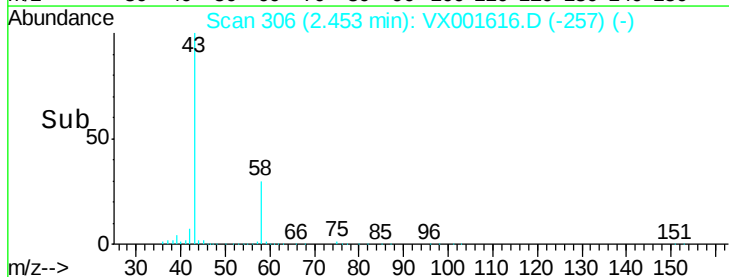
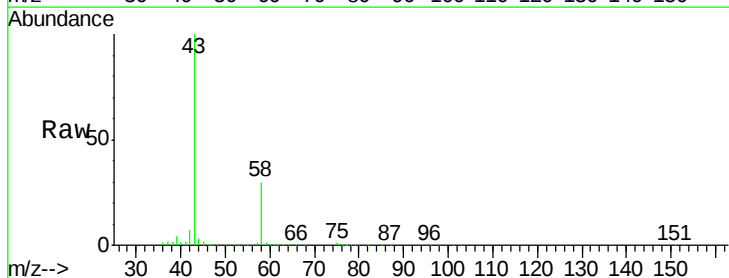
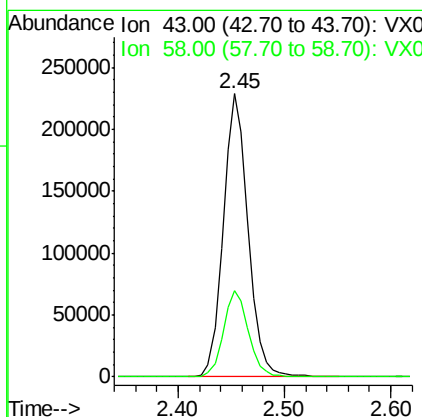
RT: 2.45 min Scan# 306

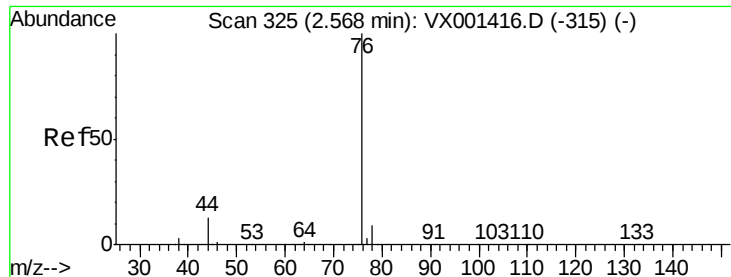
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	43	Resp:	370313
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.8	35.8





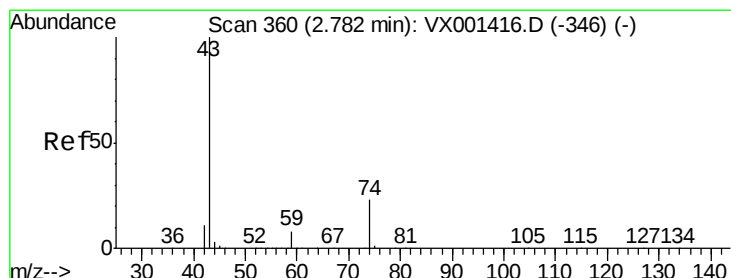
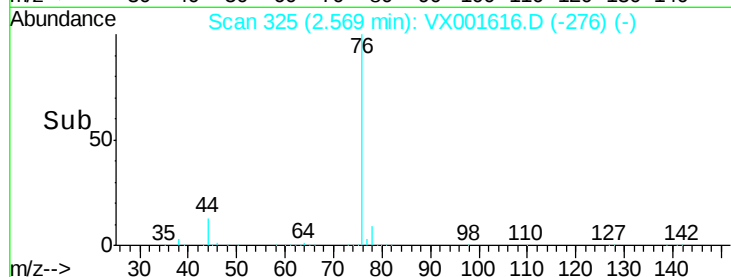
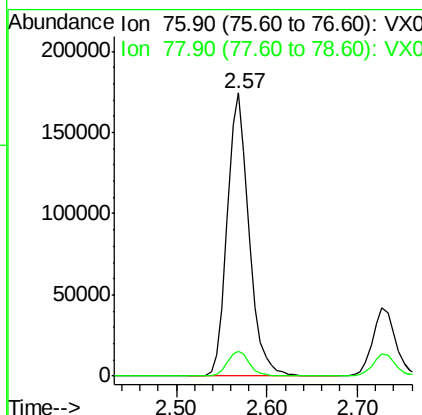
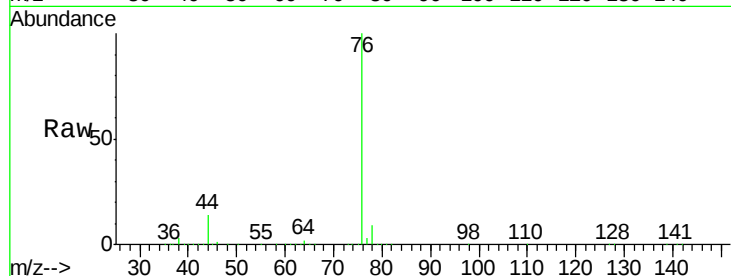
#17
Carbon Disulfide
Concen: 44.91 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

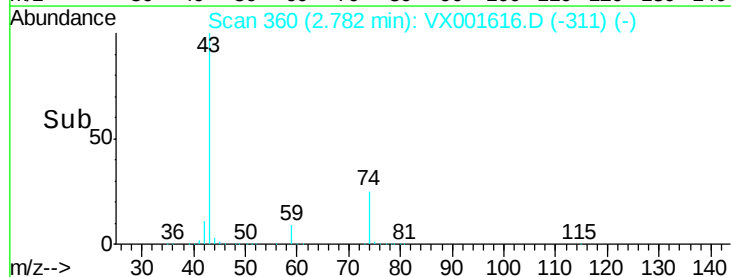
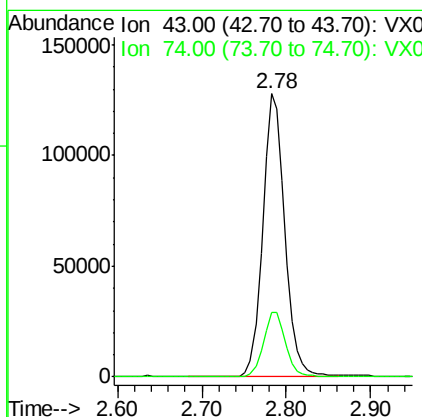
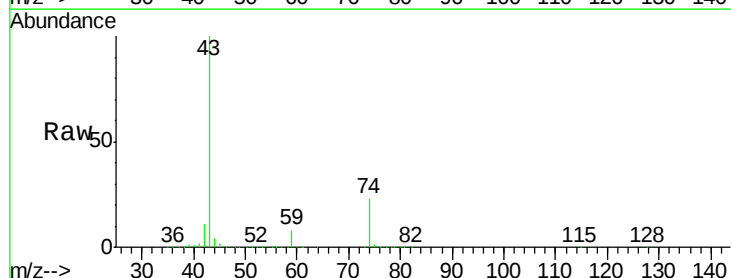
Manual Integrations
APPROVED

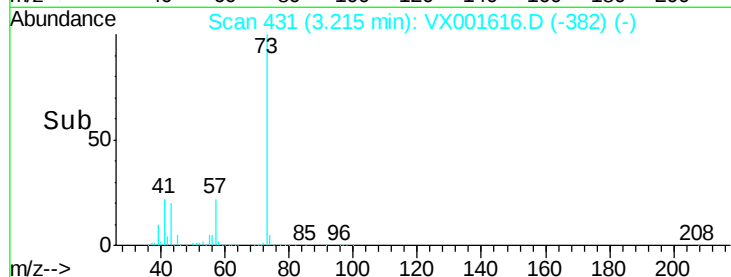
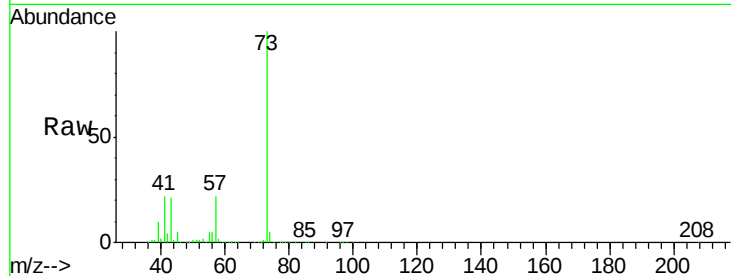
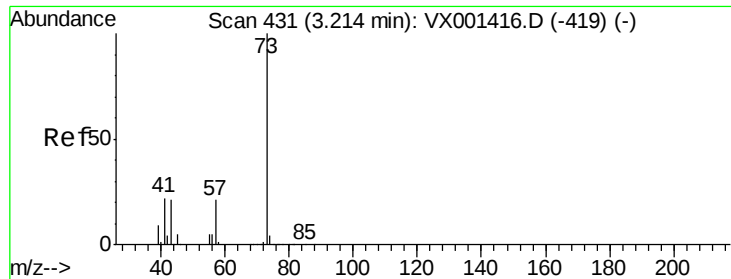
apatel
5/11/2018 1:06:57 PM



#18
Methyl Acetate
Concen: 58.41 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.6	27.8





#19

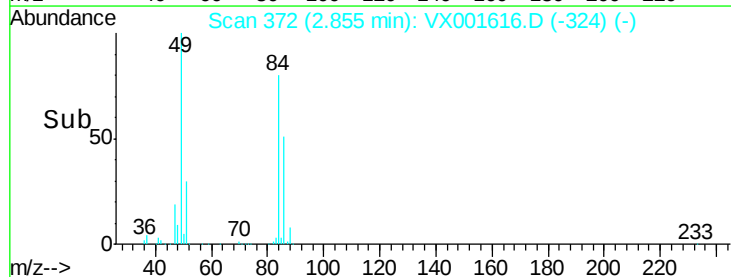
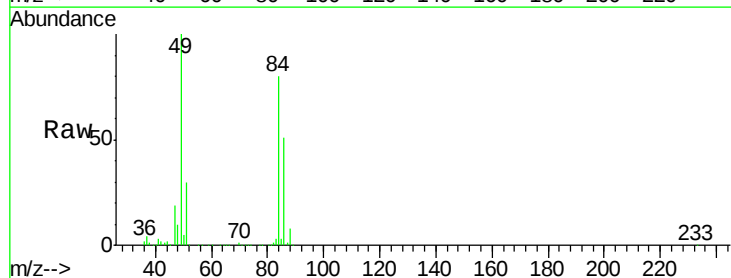
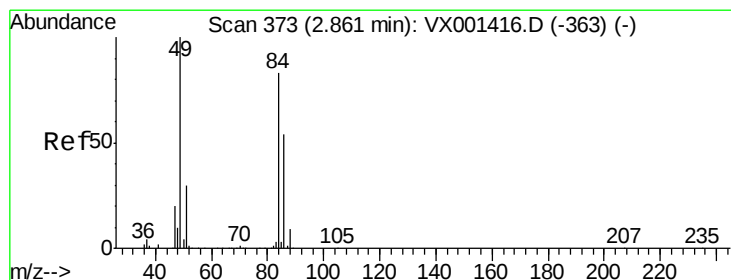
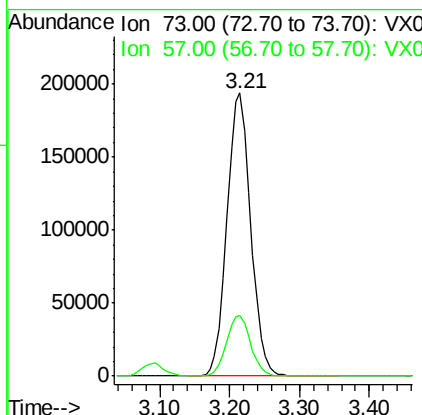
Methyl tert-butyl Ether
Concen: 51.68 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tot Ion	73	Resp	456895
Ion Ratio	100	Lower	Upper
73	100		
57	21.6	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

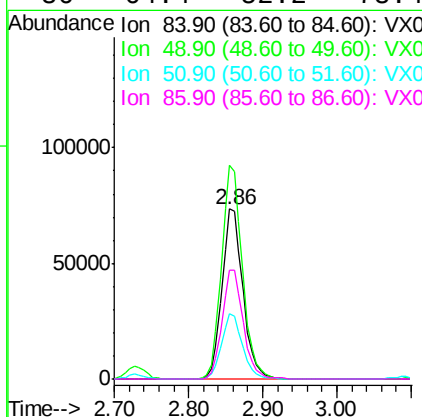
apatel
5/11/2018 1:06:57 PM

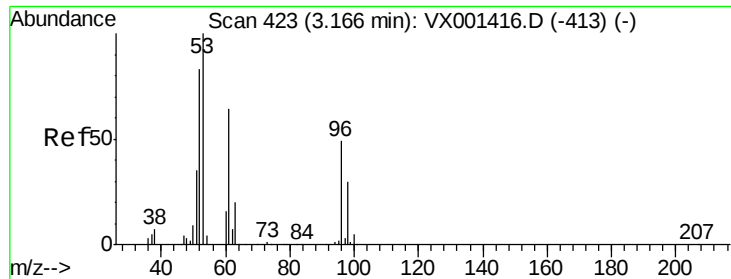


#20

Methylene Chloride
Concen: 48.45 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	84	Resp	143692
Ion Ratio	100	Lower	Upper
84	100		
49	125.5	96.6	144.8
51	38.1	29.0	43.4
86	64.4	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 47.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

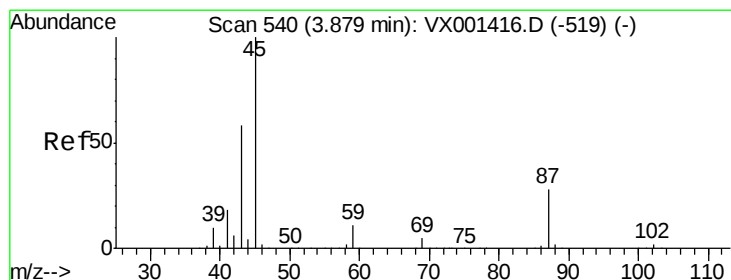
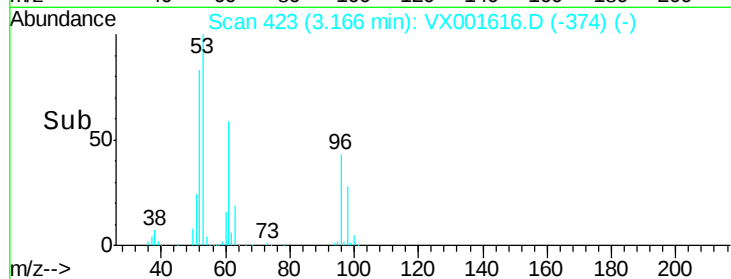
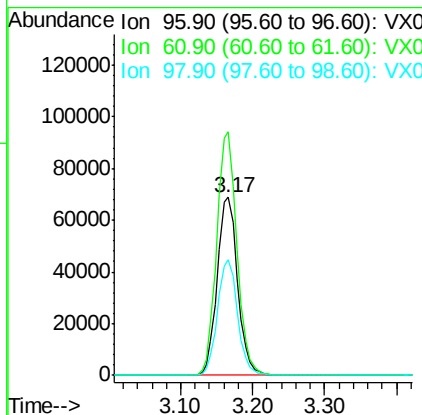
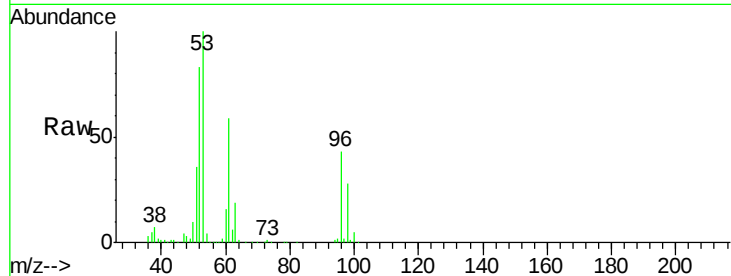
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	135552
Ion	Ratio	Lower	Upper
96	100		
61	136.7	105.0	157.4
98	64.9	49.9	74.9

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#22

Diisopropyl ether

Concen: 50.55 ug/l

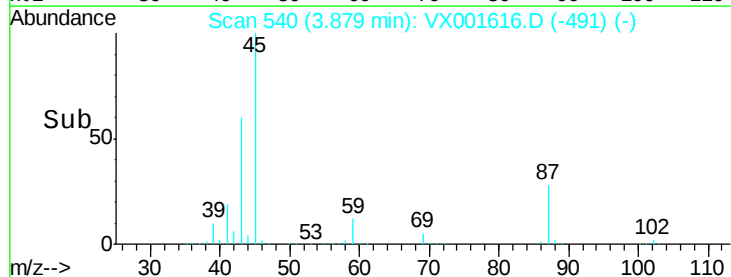
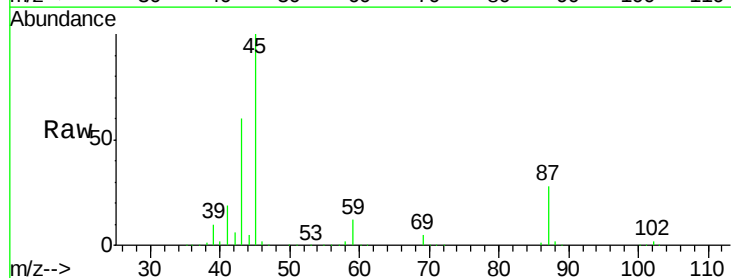
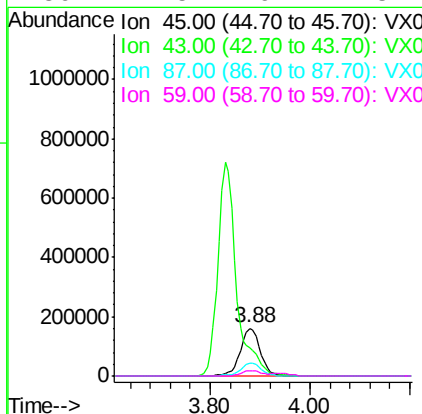
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	45	Resp:	447186
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.5	69.7
87	27.8	22.6	34.0
59	11.5	9.1	13.7





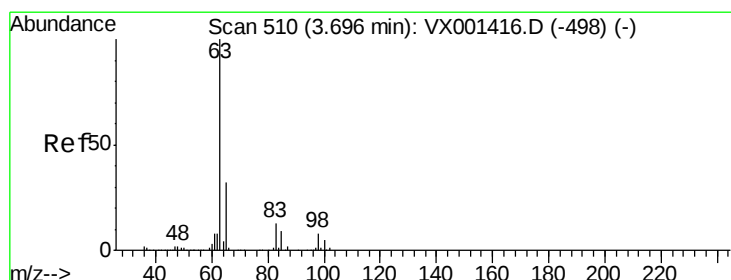
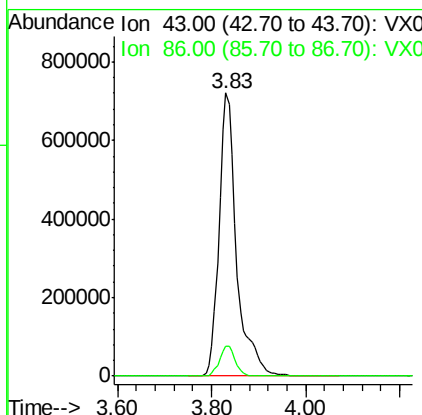
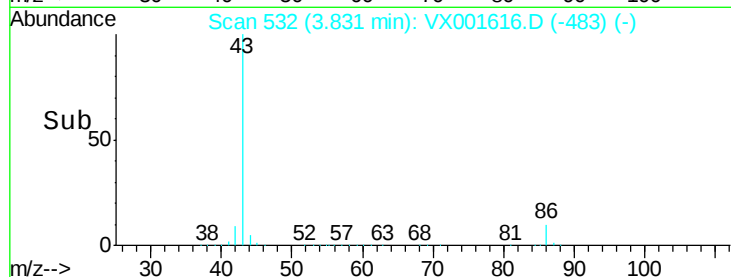
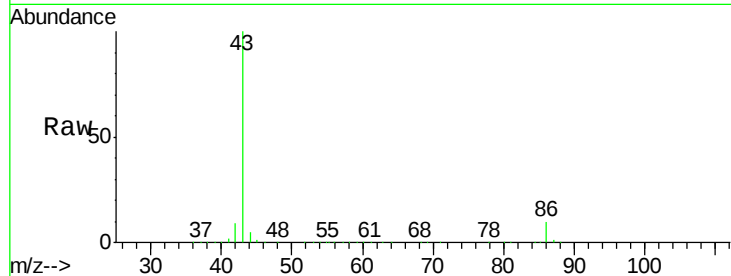
#23
 Vinyl Acetate
 Concen: 252.65 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1862631
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 13.0

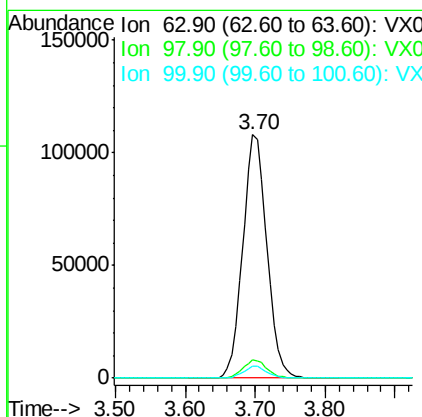
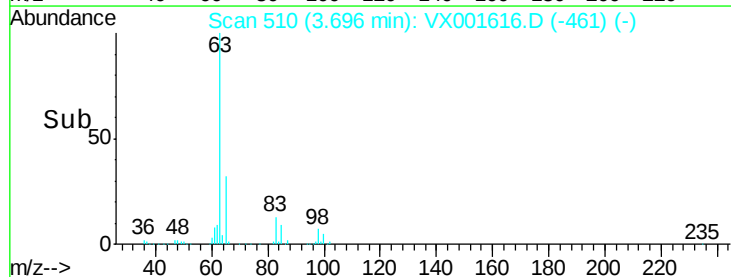
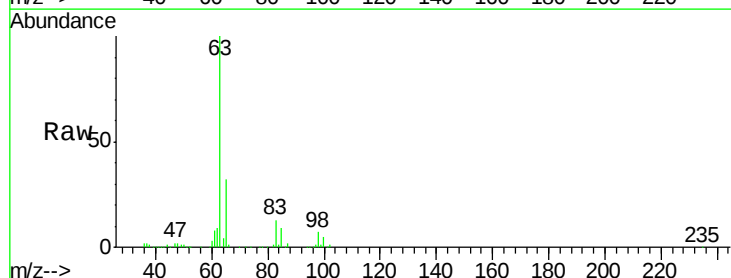
Manual Integrations
 APPROVED

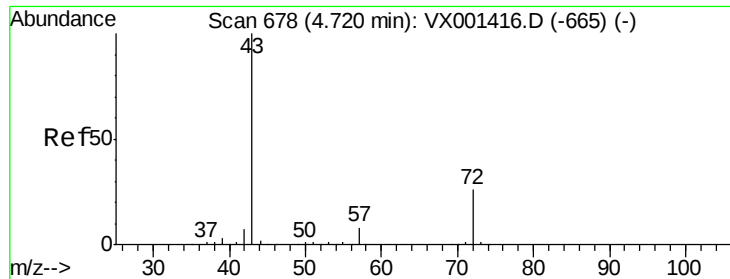
apatel
 5/11/2018 1:06:57 PM



#24
 1,1-Dichloroethane
 Concen: 52.22 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion: 63 Resp: 258055
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.8 11.4
 100 4.8 2.4 7.1





#25

2-Butanone

Concen: 264.43 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 572490

Ion Ratio Lower Upper

43 100

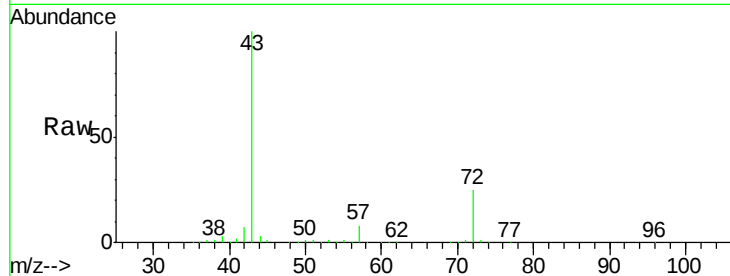
72 25.2 20.7 31.1

Manual Integrations

APPROVED

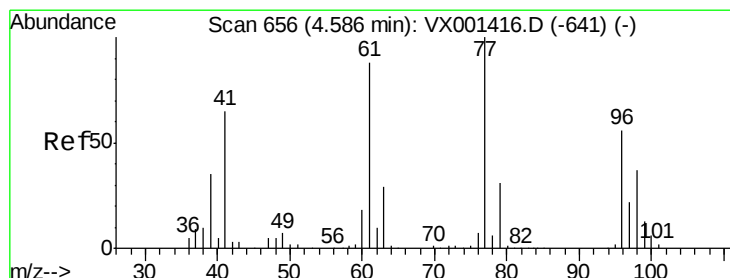
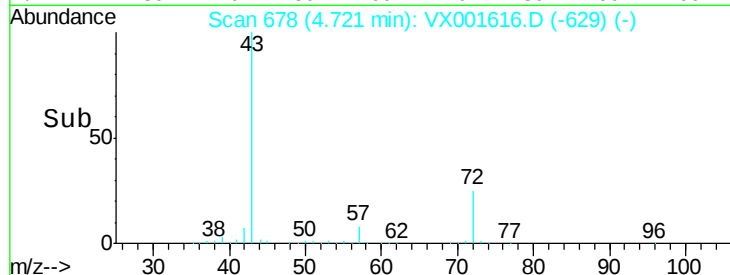
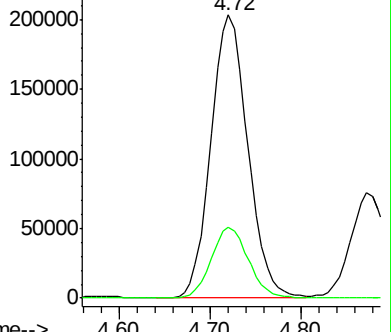
apatel

5/11/2018 1:06:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.53 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001616.D

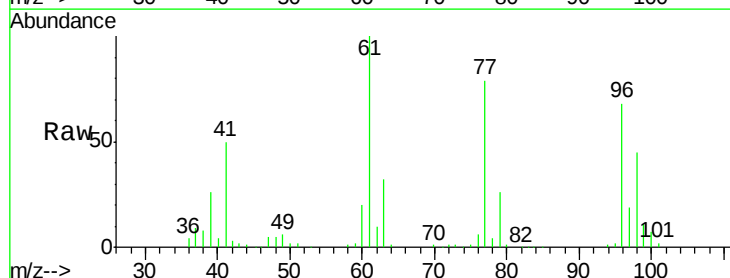
Acq: 10 May 2018 21:42

Tgt Ion: 77 Resp: 166105

Ion Ratio Lower Upper

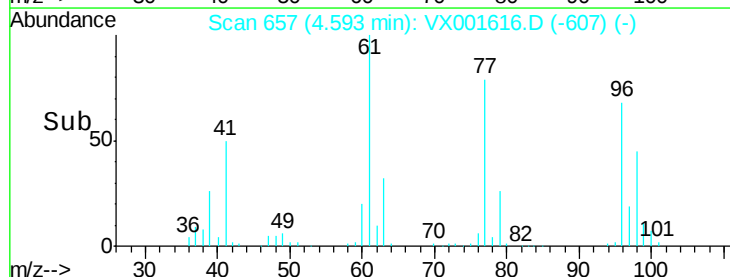
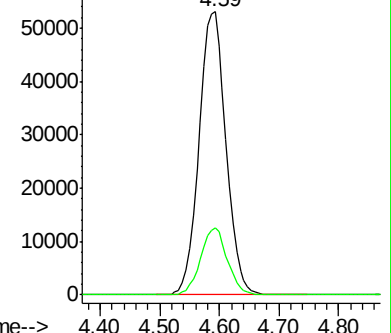
77 100

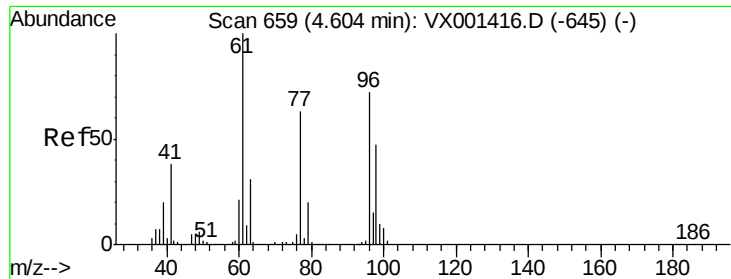
97 23.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

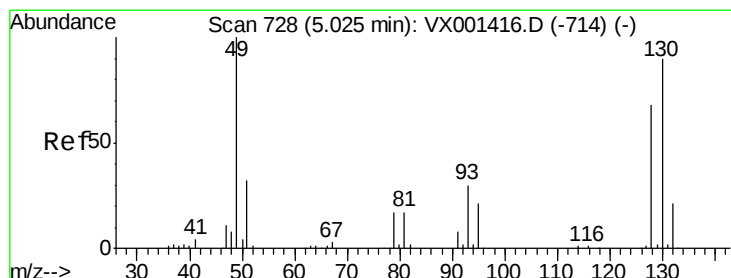
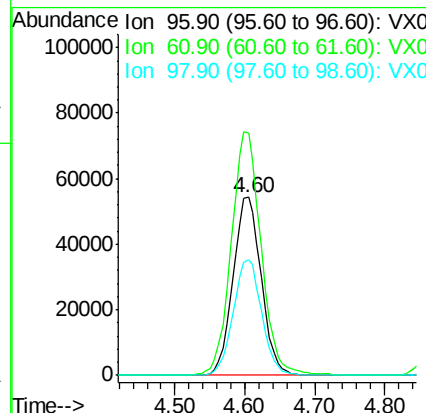
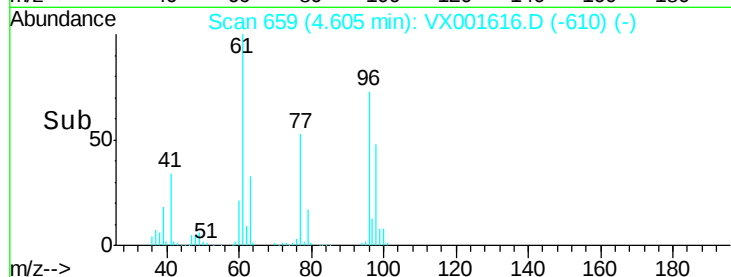
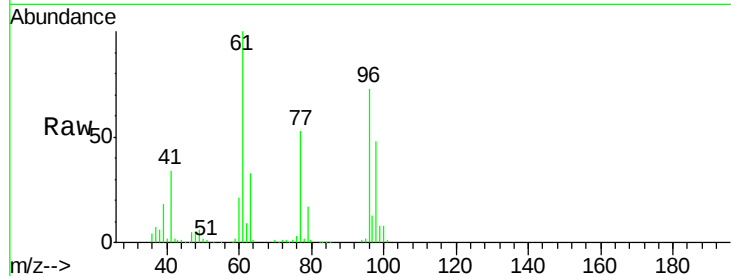
cis-1,2-Dichloroethene
Concen: 50.32 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151874		
61	145.3	0.0	301.6	
98	65.5	0.0	131.6	

Manual Integrations
APPROVED

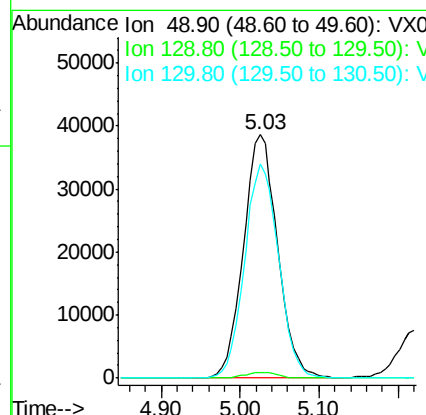
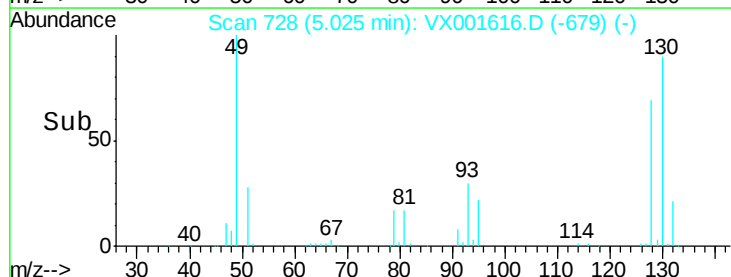
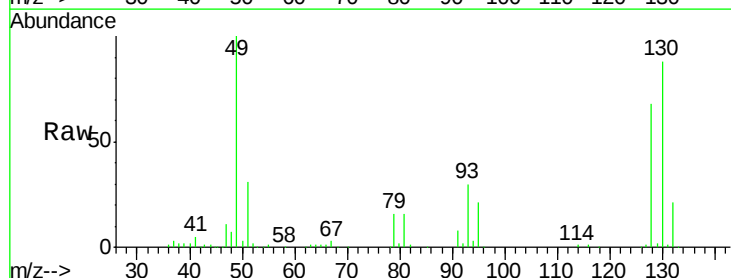
apatel
5/11/2018 1:06:57 PM

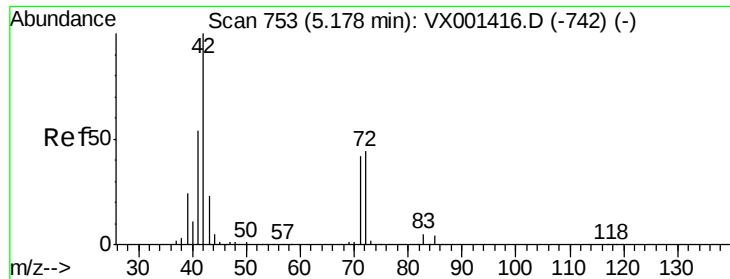


#28

Bromochloromethane
Concen: 54.27 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116270		
129	2.4	0.0	4.8	
130	87.7	71.9	107.9	





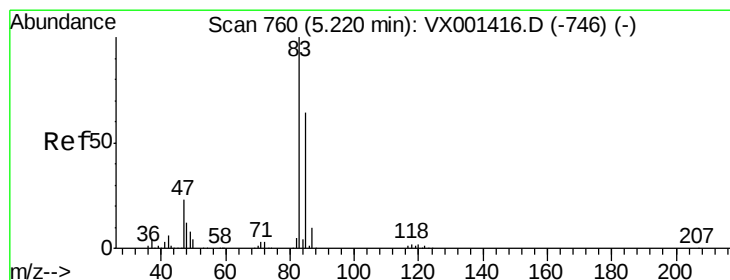
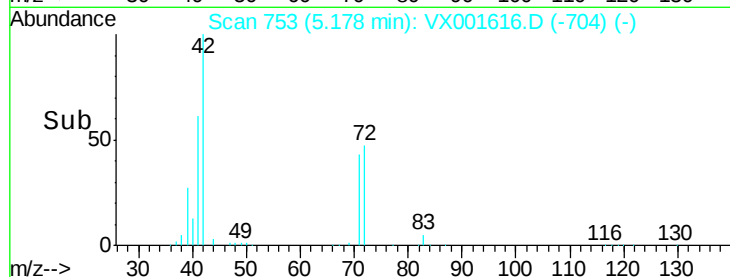
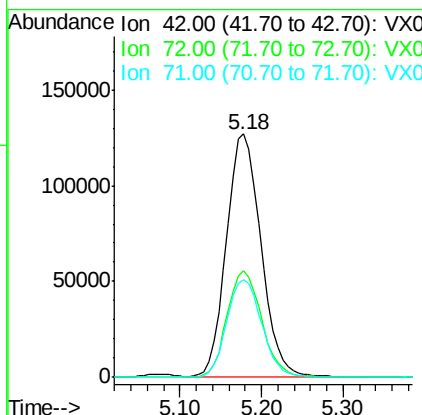
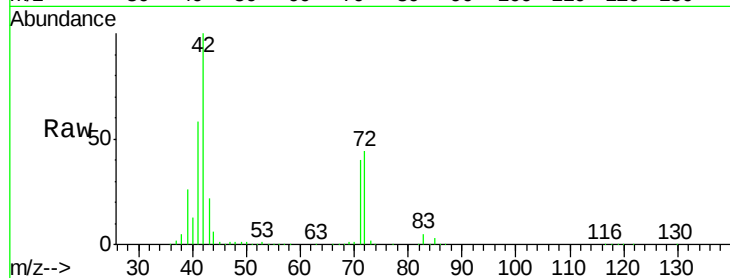
#29
Tetrahydrofuran
Concen: 267.09 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.4	53.2
71	41.1	33.0	49.4

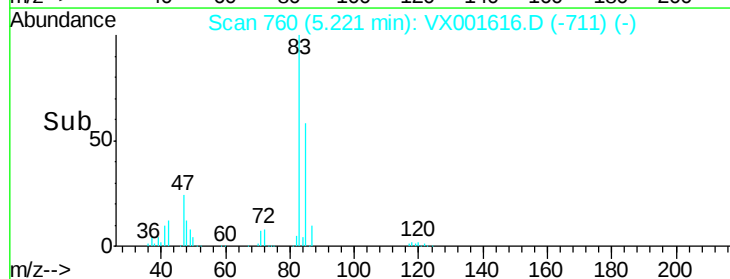
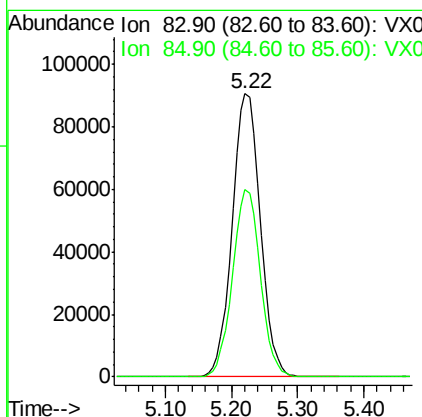
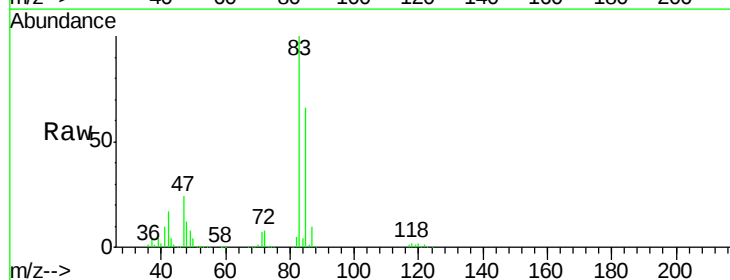
Manual Integrations
APPROVED

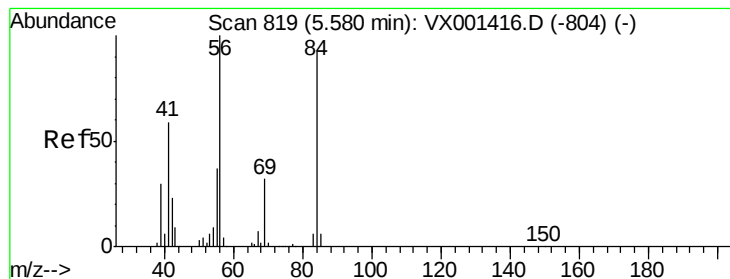
apatel
5/11/2018 1:06:57 PM



#30
Chloroform
Concen: 52.49 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.0	76.4





#31

Cyclohexane

Concen: 48.23 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

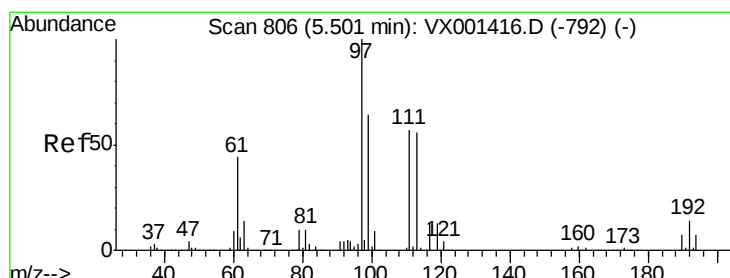
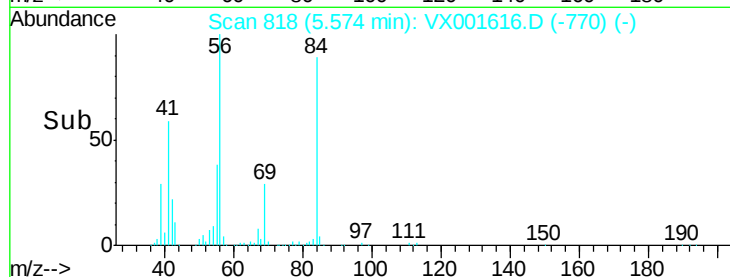
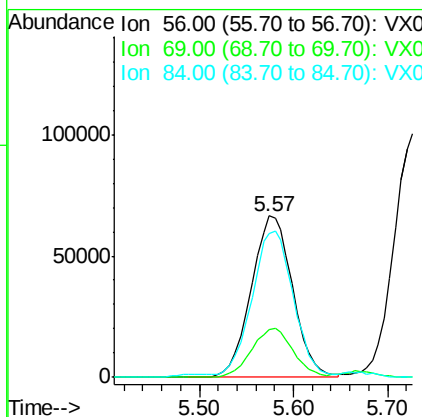
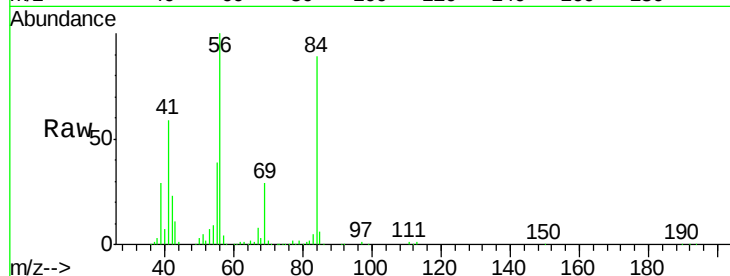
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	204708
Ion Ratio	Lower	Upper	
56	100		
69	29.4	25.4	38.0
84	86.9	73.8	110.8

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#32

1,1,1-Trichloroethane

Concen: 53.00 ug/l

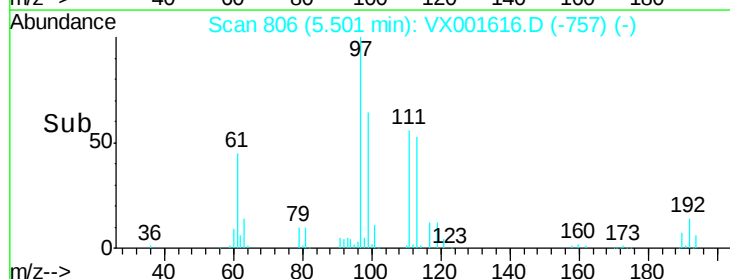
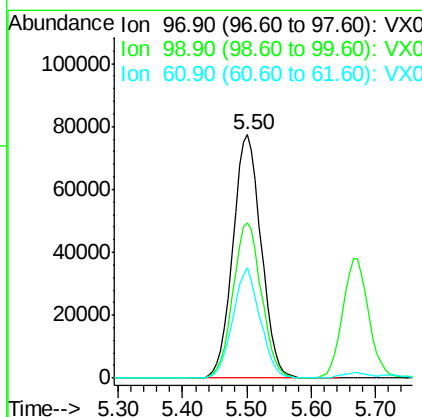
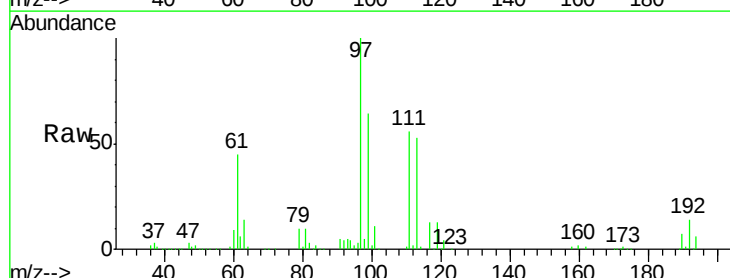
RT: 5.50 min Scan# 806

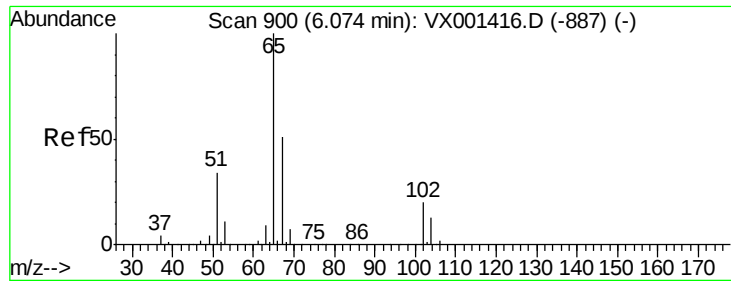
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	97	Resp:	235805
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	43.9	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 48.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 160898

Ion Ratio Lower Upper

65 100

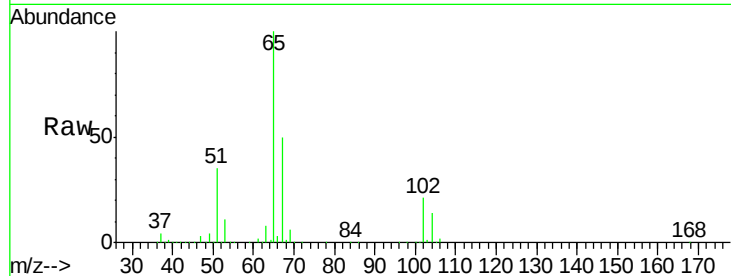
67 50.0 0.0 101.8

Manual Integrations

APPROVED

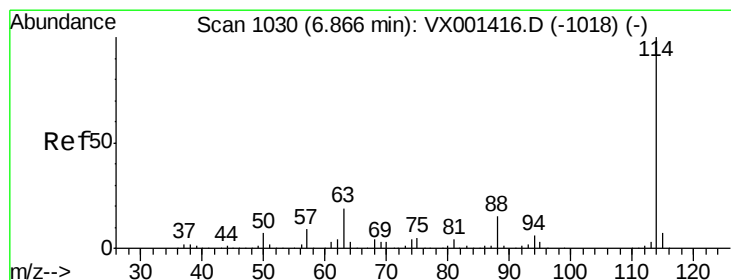
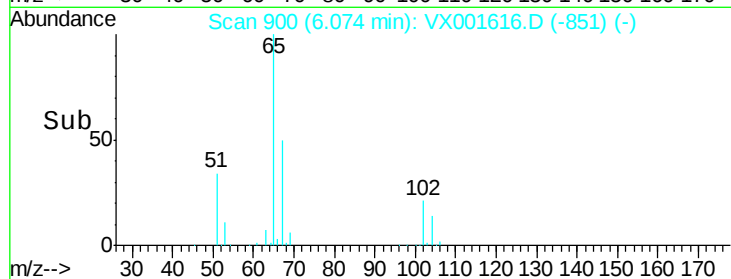
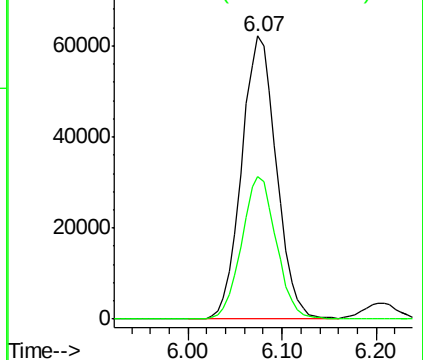
apatel

5/11/2018 1:06:57 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

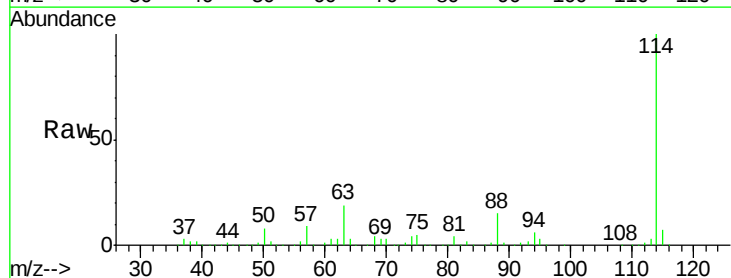
Tgt Ion: 114 Resp: 300295

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

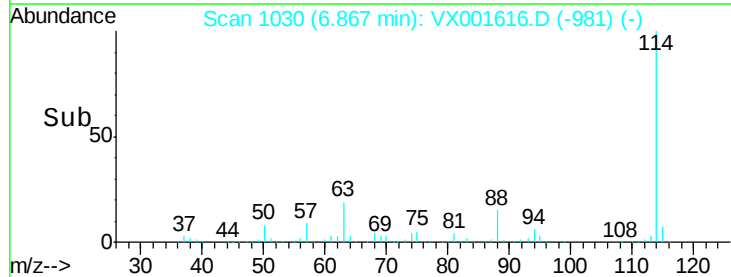
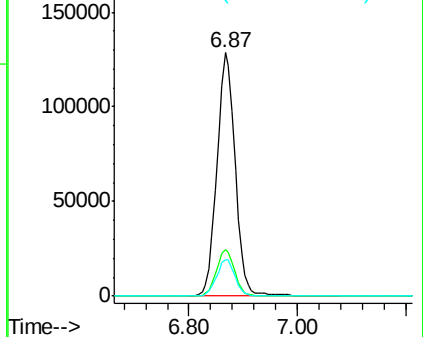
88 14.8 0.0 30.8

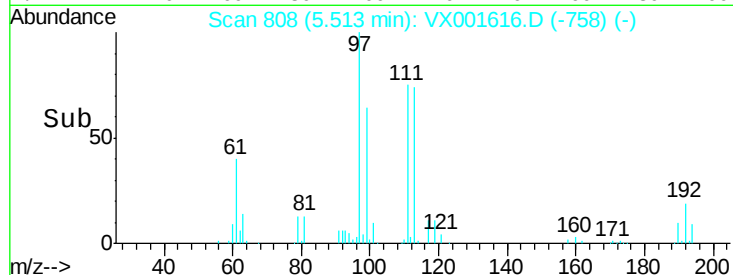
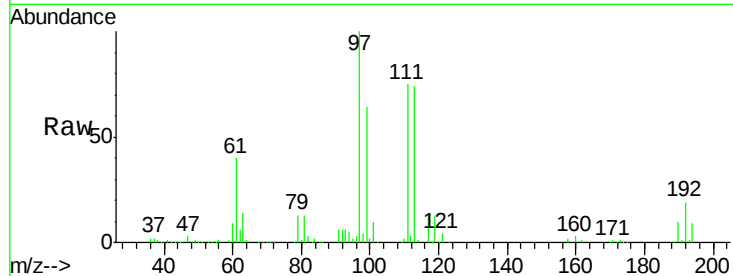


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





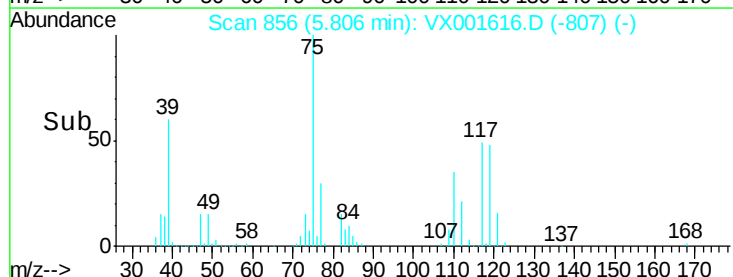
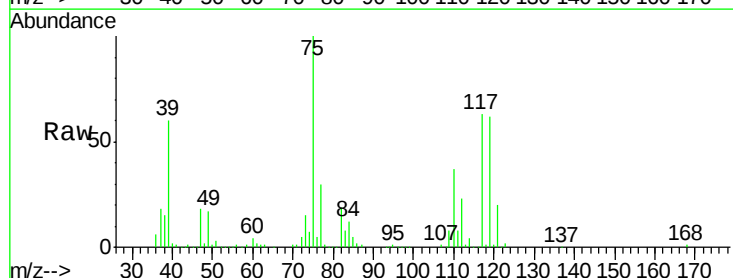
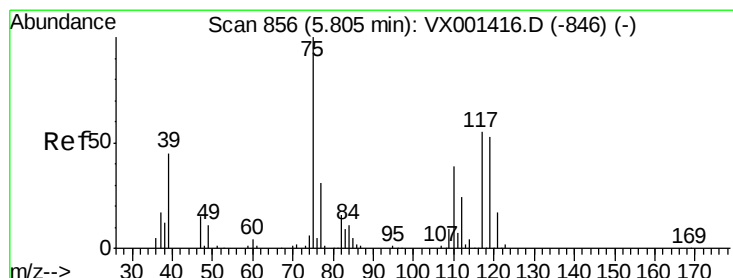
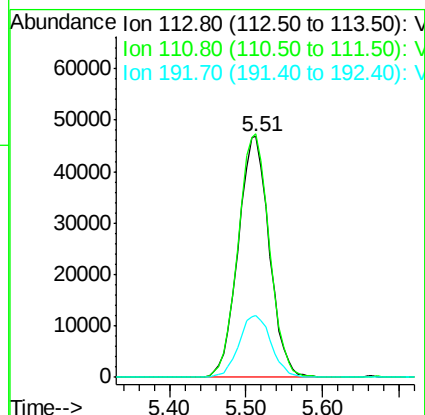
#35
Dibromofluoromethane
Concen: 49.36 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131841		
111	102.1	82.2	123.2	
192	26.6	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

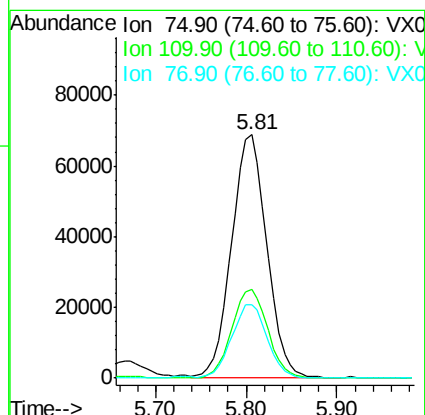
Manual Integrations
APPROVED

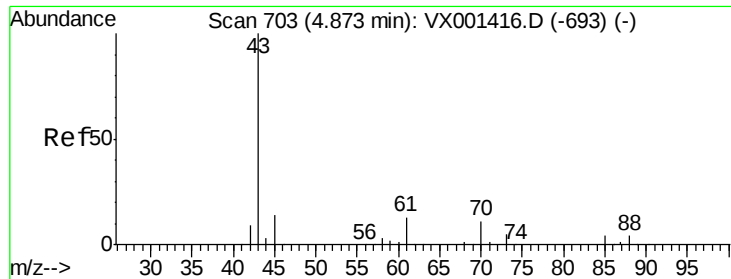
apatel
5/11/2018 1:06:57 PM



#36
1,1-Dichloropropene
Concen: 48.40 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184864		
110	37.2	18.9	56.7	
77	30.4	24.9	37.3	





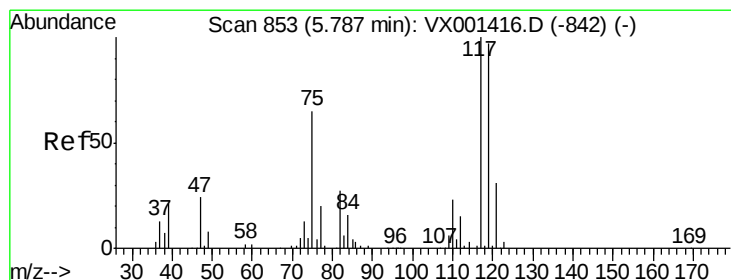
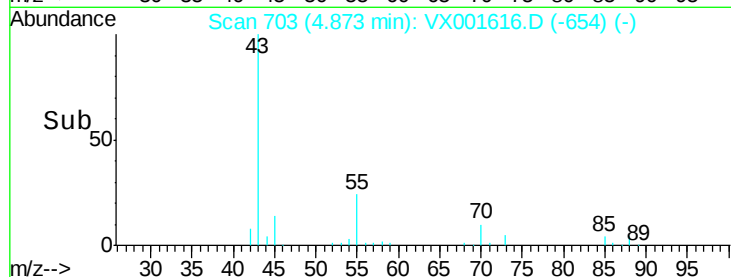
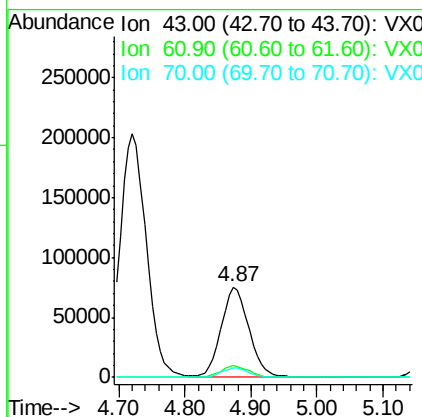
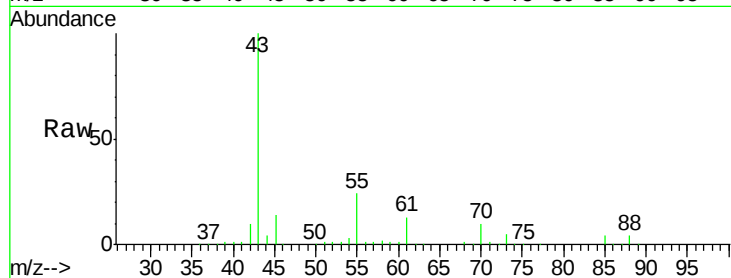
#37
Ethyl Acetate
Concen: 52.28 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	10.6	8.4	12.6

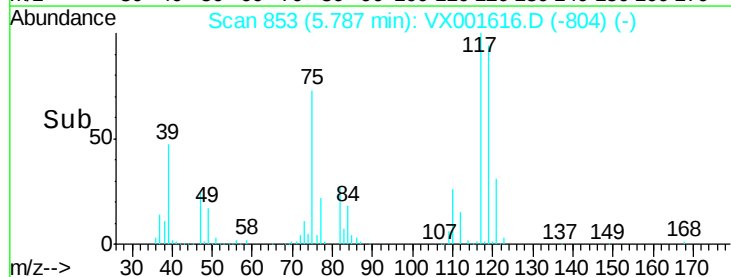
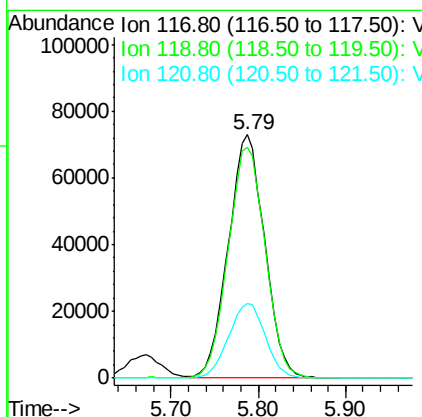
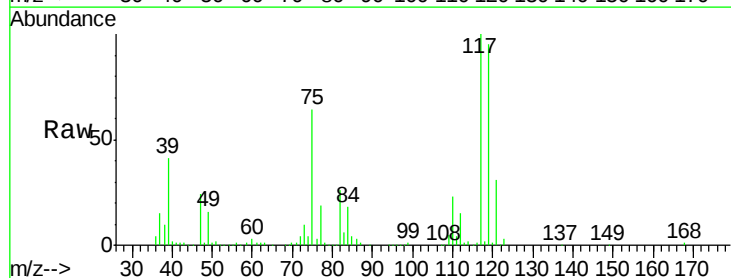
Manual Integrations
APPROVED

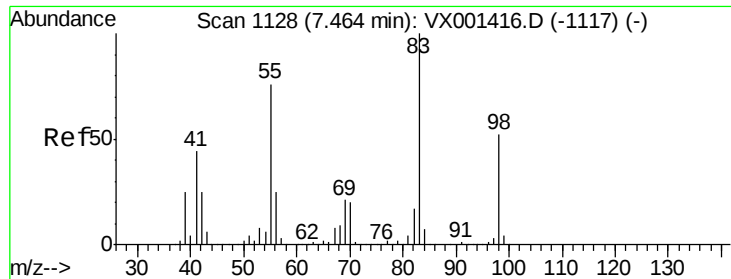
apatel
5/11/2018 1:06:57 PM



#38
Carbon Tetrachloride
Concen: 51.63 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.6
121	30.8	25.1	37.7





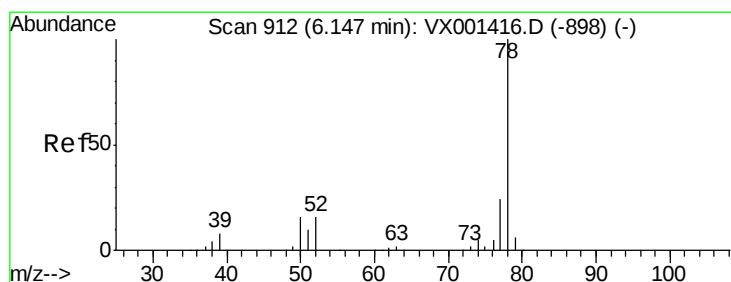
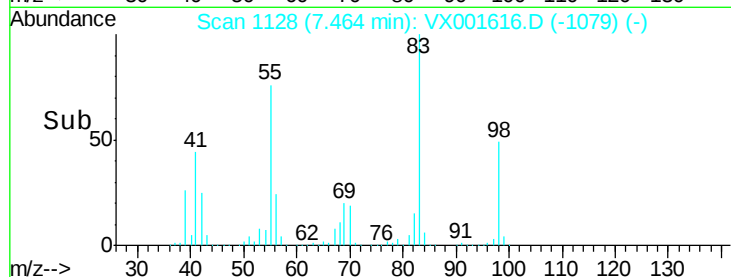
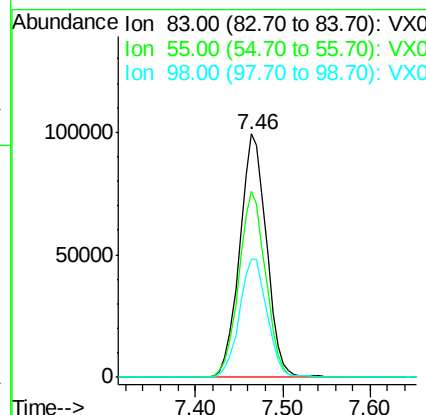
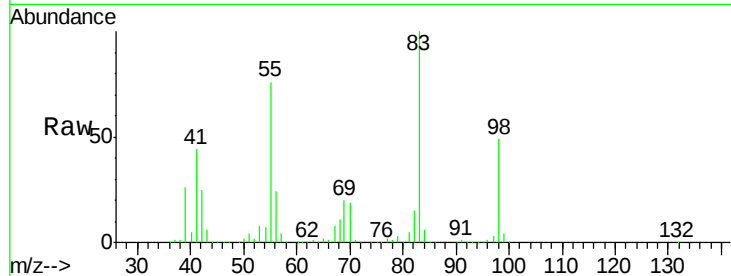
#39
Methvlcvclohexane
Concen: 47.03 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.2	60.9	91.3	
98	48.8	41.9	62.9	

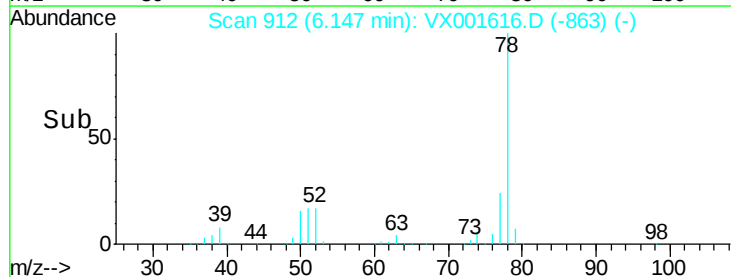
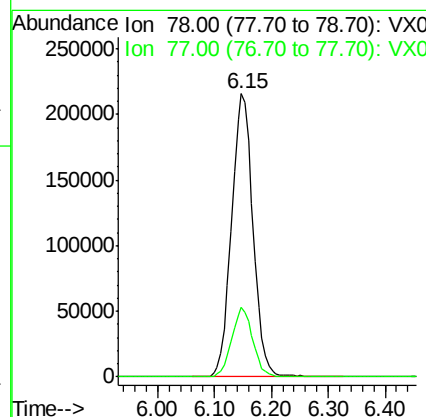
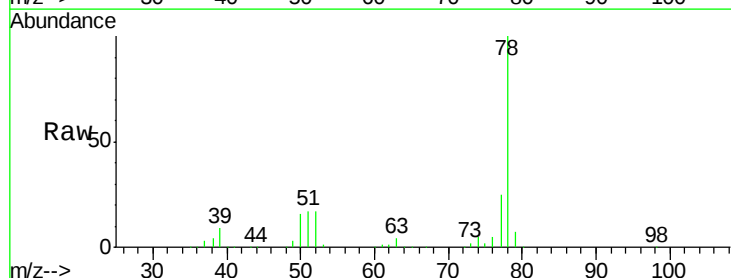
Manual Integrations
APPROVED

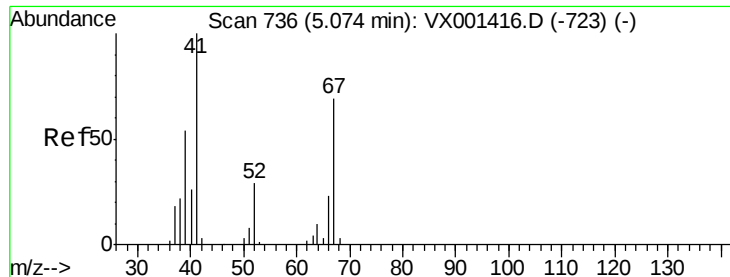
apatel
5/11/2018 1:06:57 PM



#40
Benzene
Concen: 50.87 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	19.4	29.2	





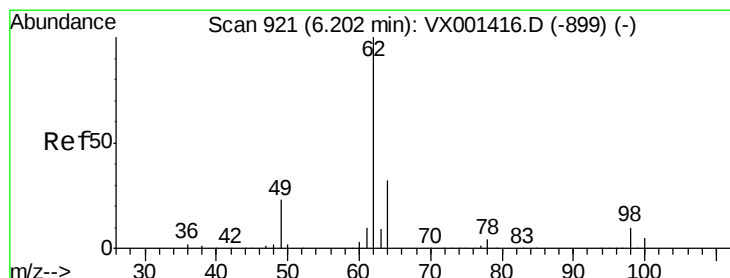
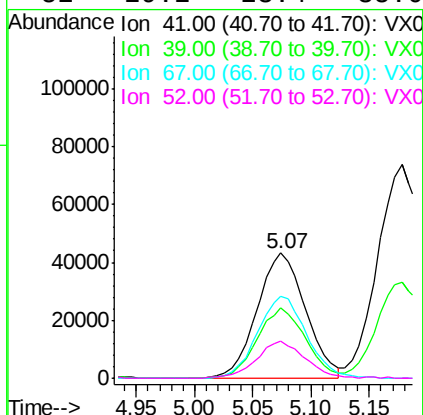
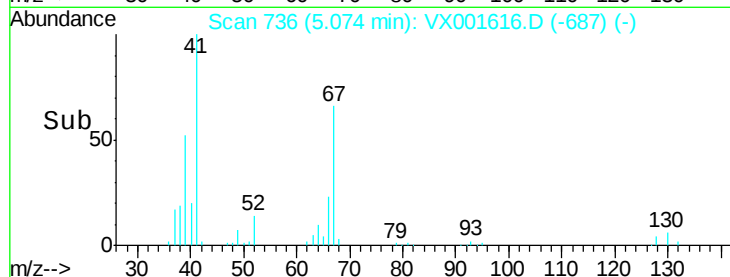
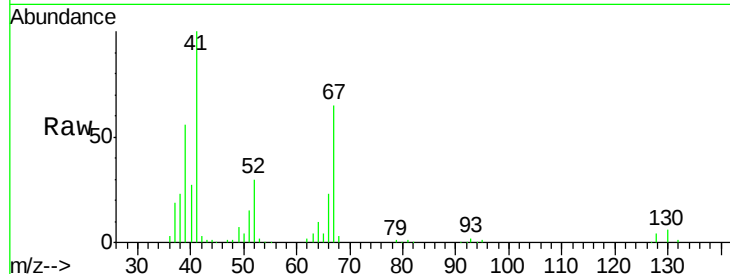
#41
Methacrylonitrile
Concen: 51.90 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.5	45.0	67.6		
67	67.4	55.0	82.6		
52	29.2	23.4	35.0		

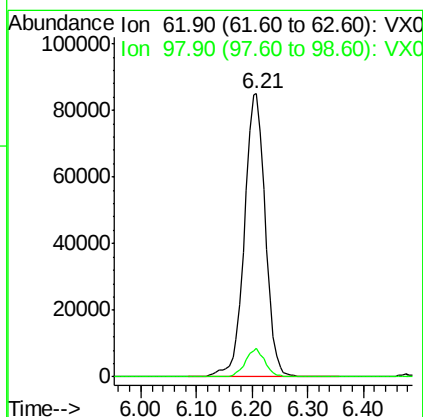
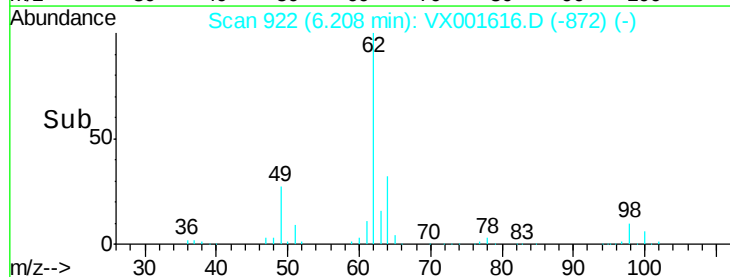
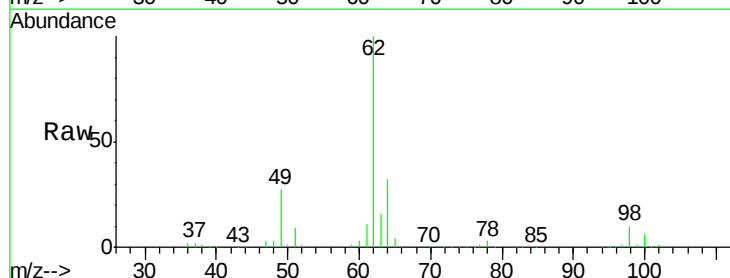
Manual Integrations
APPROVED

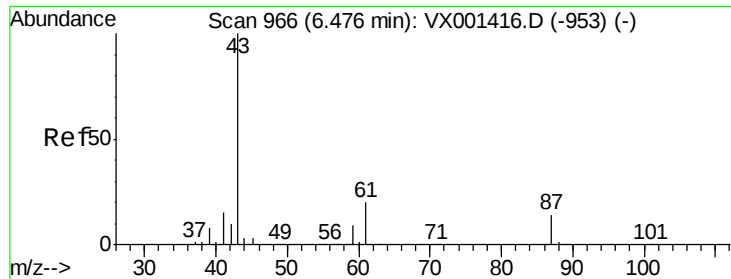
apatel
5/11/2018 1:06:57 PM



#42
1,2-Dichloroethane
Concen: 51.80 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.2	0.0	19.0		





#43

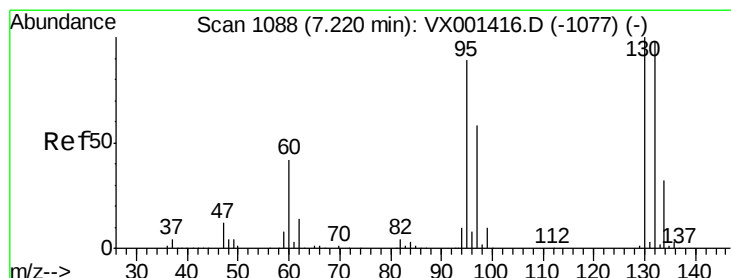
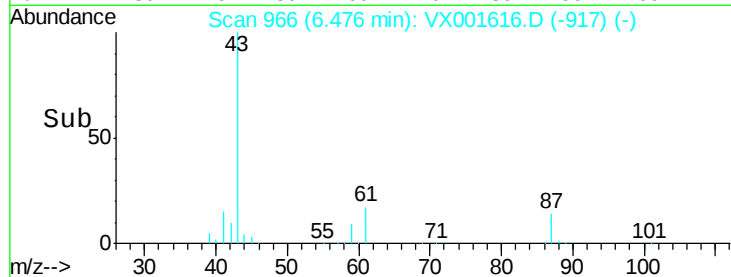
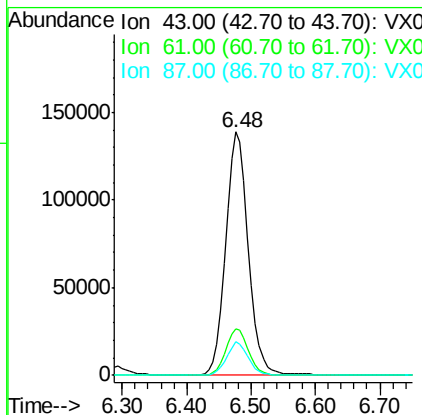
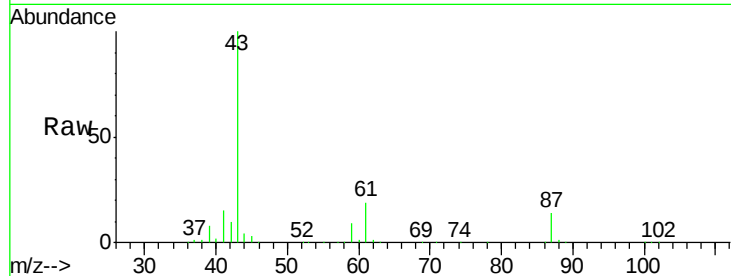
Isopropyl Acetate
 Concen: 53.24 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.3	10.8	16.2

Manual Integrations
 APPROVED

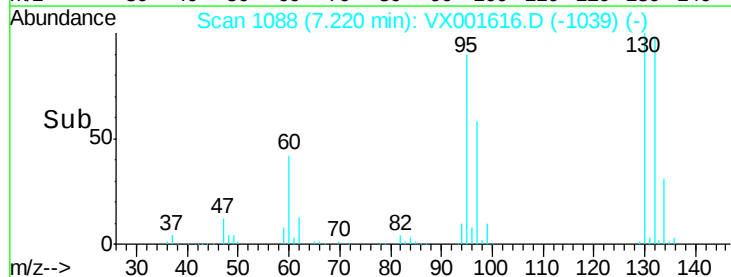
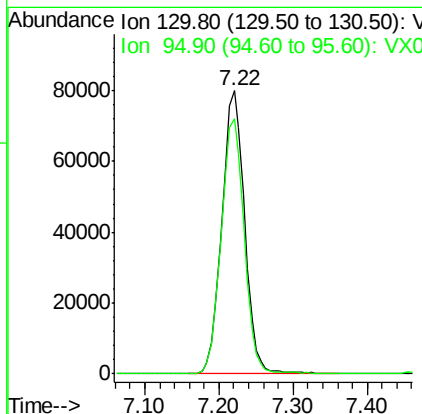
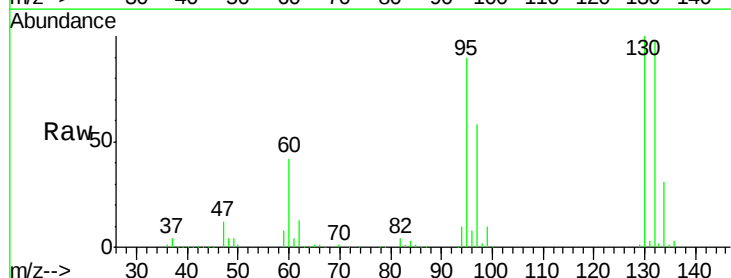
apatel
 5/11/2018 1:06:57 PM

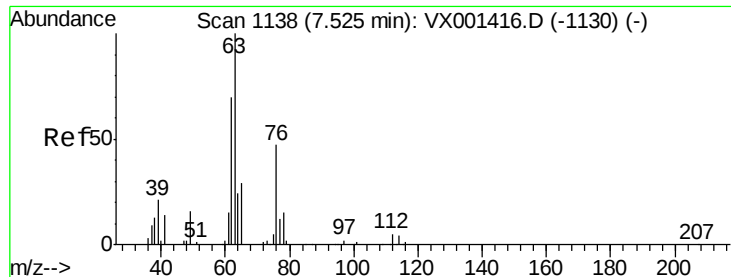


#44

Trichloroethene
 Concen: 50.11 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	178.4





#45

1,2-Dichloropropane

Concen: 52.49 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 145992

Ion Ratio Lower Upper

63 100

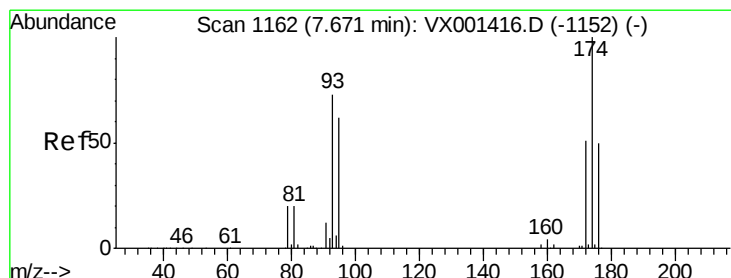
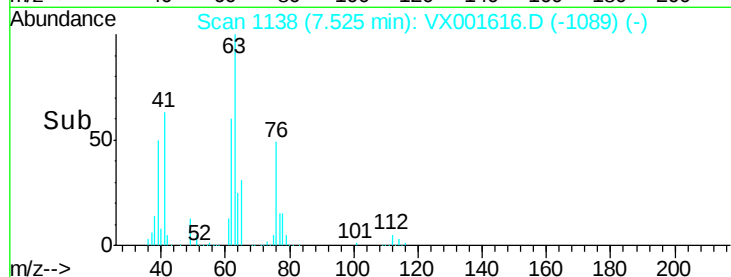
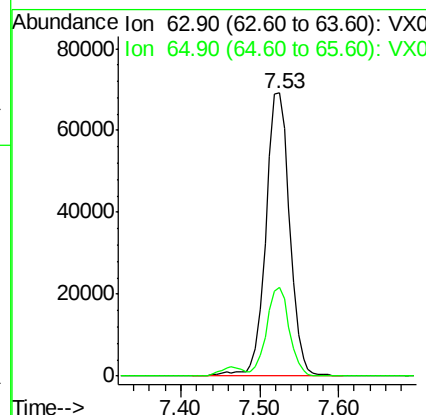
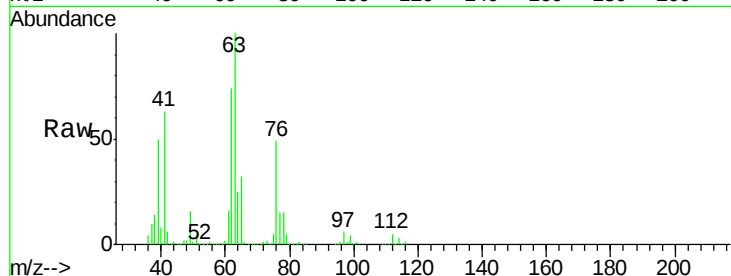
65 31.5 24.5 36.7

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



#46

Dibromomethane

Concen: 51.76 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

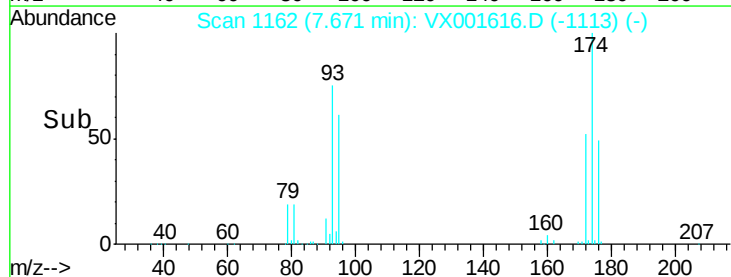
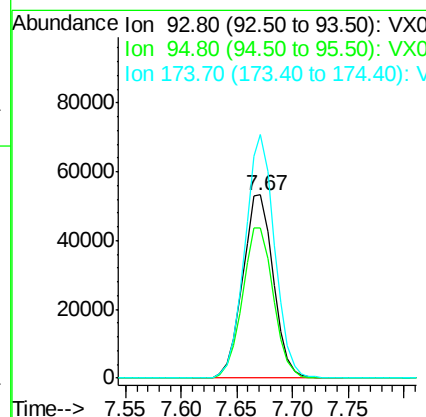
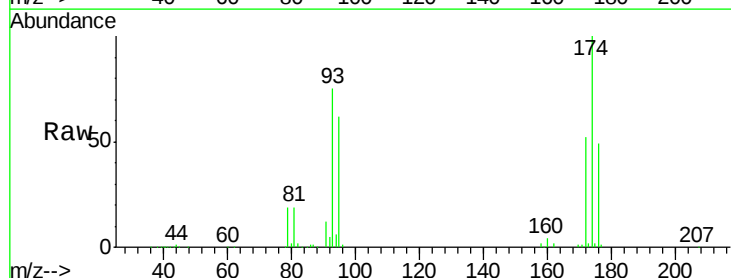
Tgt Ion: 93 Resp: 101923

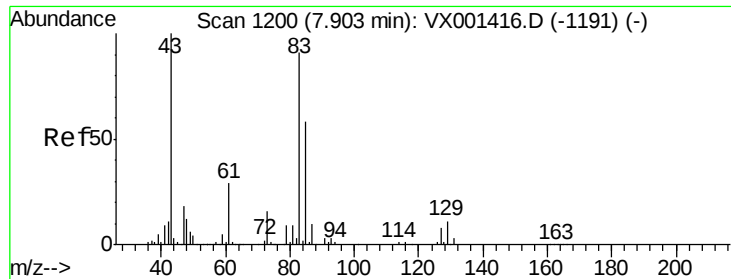
Ion Ratio Lower Upper

93 100

95 83.0 67.0 100.4

174 128.4 104.5 156.7





#47

Bromodichloromethane

Concen: 54.69 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

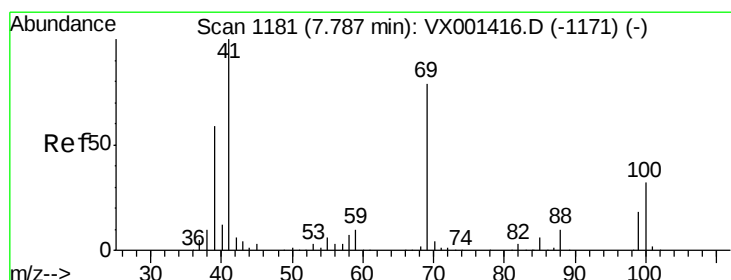
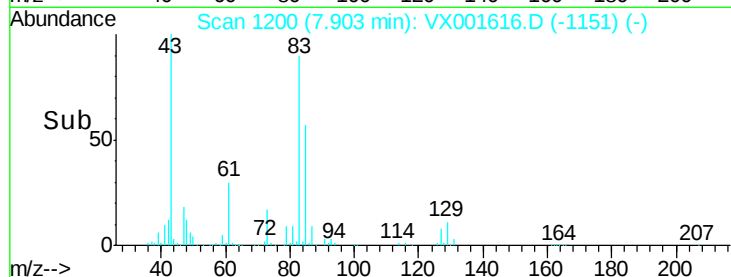
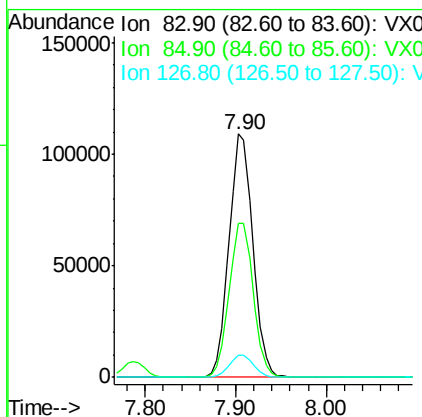
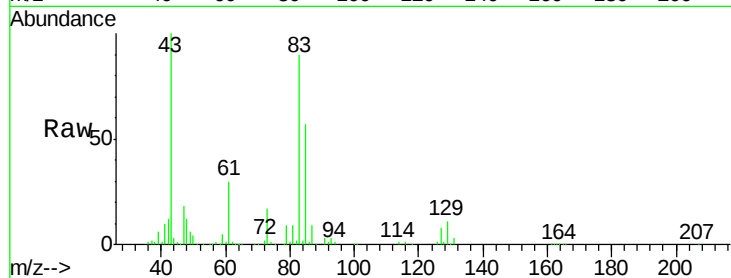
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	199307
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.0	76.6
127	9.3	7.4	11.2

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#48

Methyl methacrylate

Concen: 53.22 ug/l

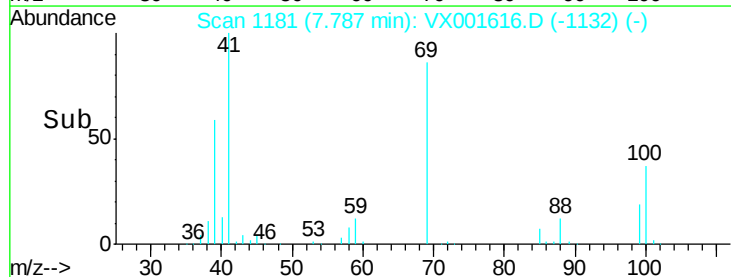
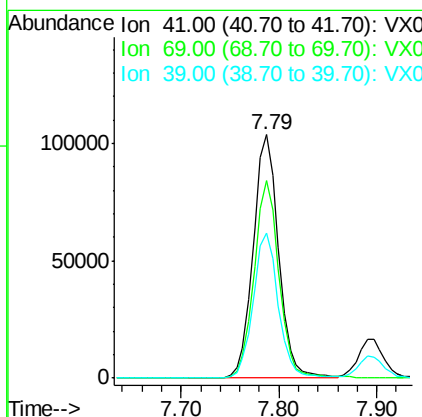
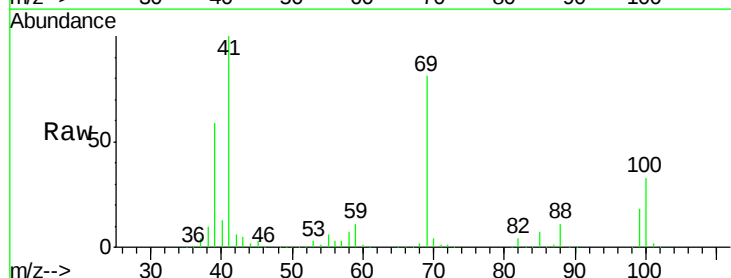
RT: 7.79 min Scan# 1181

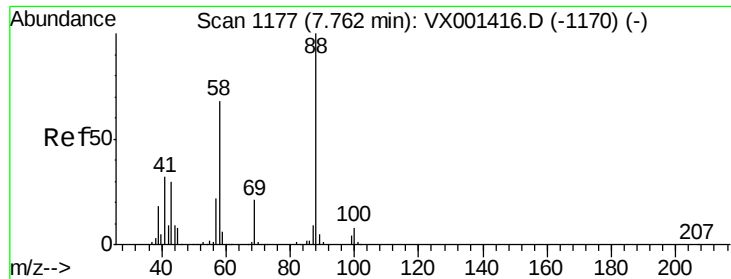
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	41	Resp:	186266
Ion Ratio	Lower	Upper	
41	100		
69	80.4	63.4	95.2
39	59.0	47.0	70.4





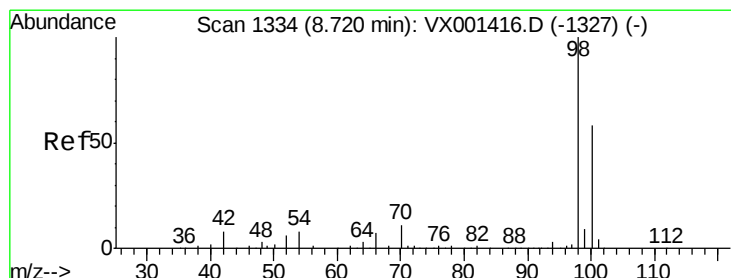
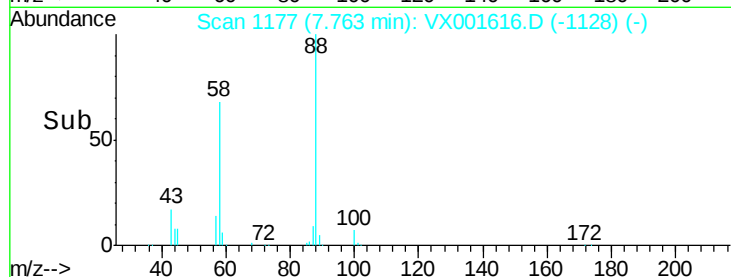
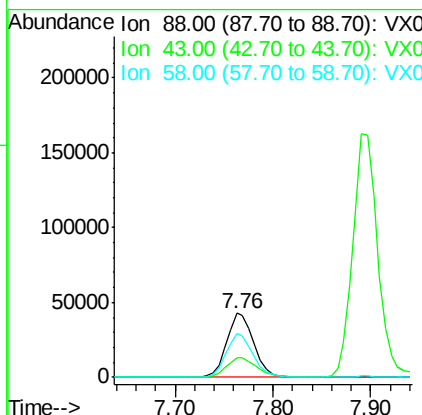
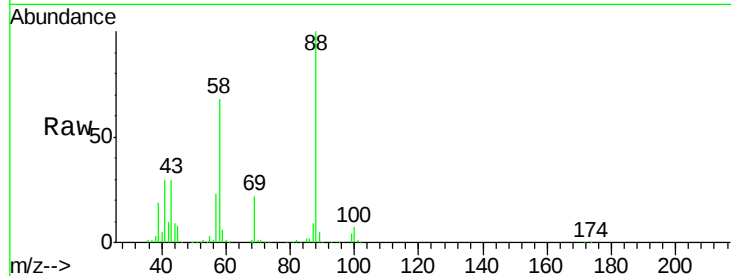
#49
1,4-Dioxane
Concen: 1081.99 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.4	39.6
58	68.5	54.1	81.1

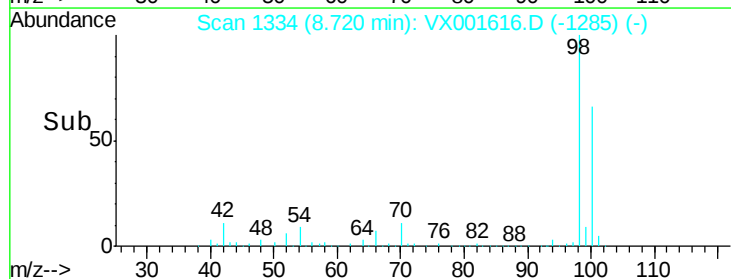
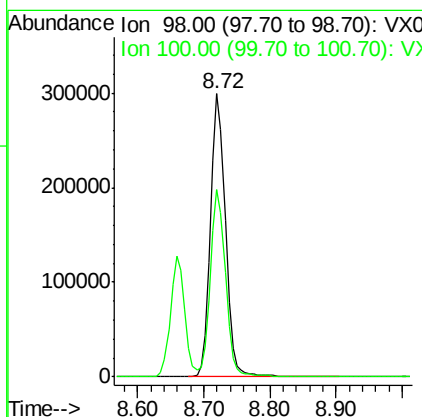
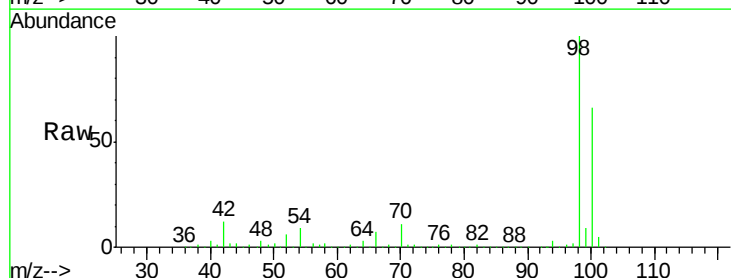
Manual Integrations
APPROVED

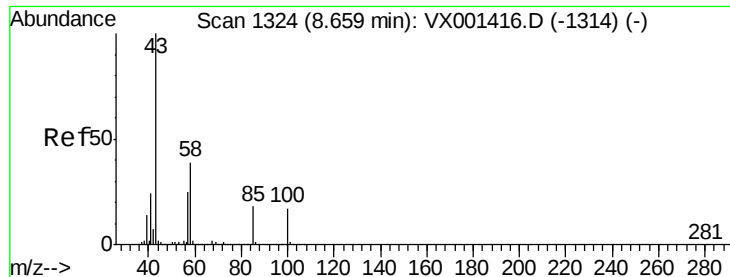
apatel
5/11/2018 1:06:57 PM



#50
Toluene-d8
Concen: 48.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.0	81.0





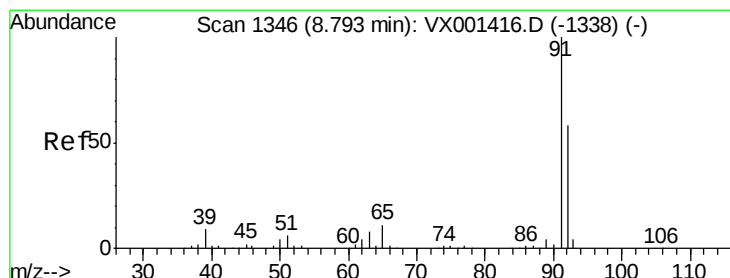
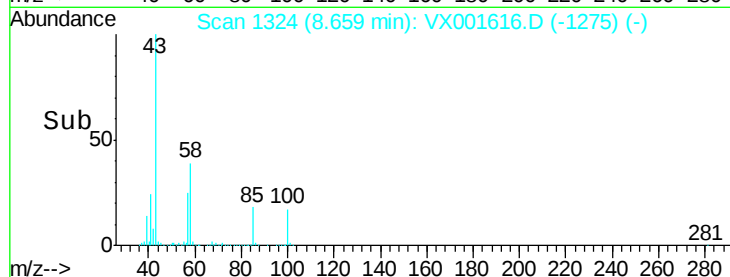
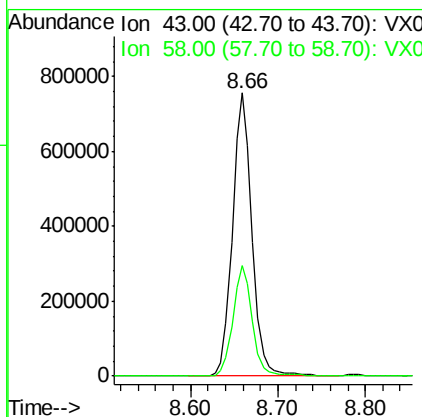
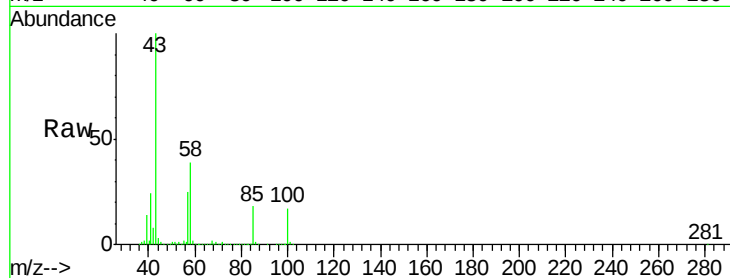
#51
 4-Methyl-2-Pentanone
 Concen: 275.55 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1176993
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.8 46.2

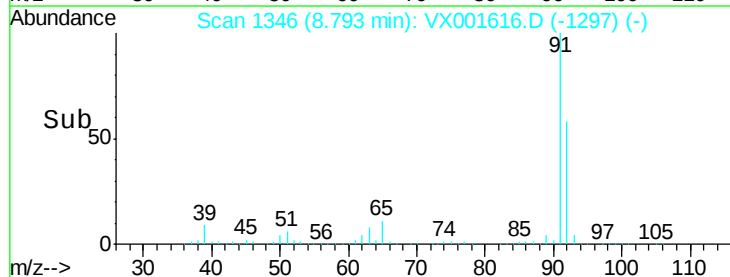
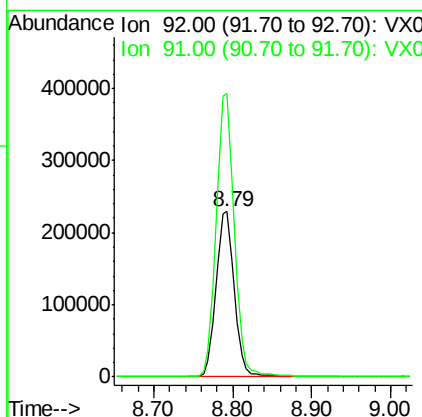
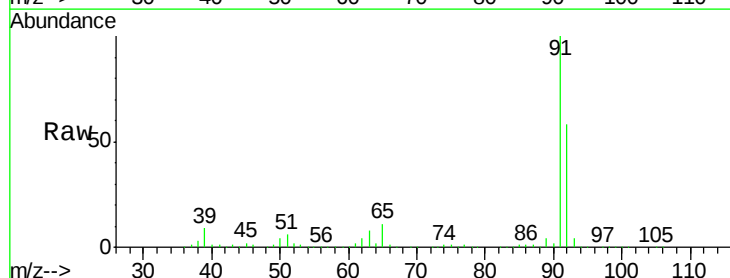
Manual Integrations
 APPROVED

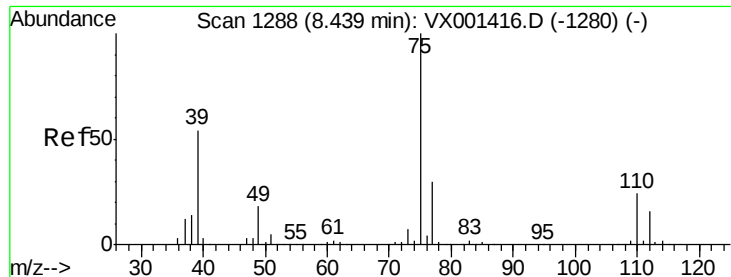
apatel
 5/11/2018 1:06:57 PM



#52
 Toluene
 Concen: 51.05 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion: 92 Resp: 372413
 Ion Ratio Lower Upper
 92 100
 91 171.0 135.2 202.8





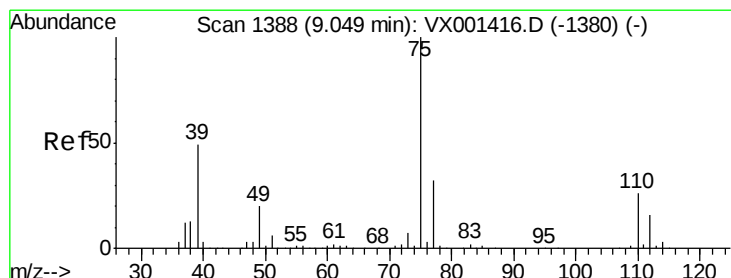
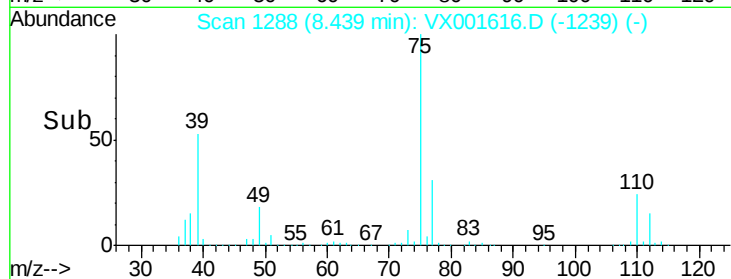
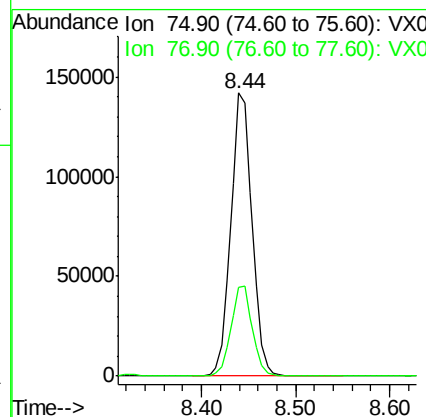
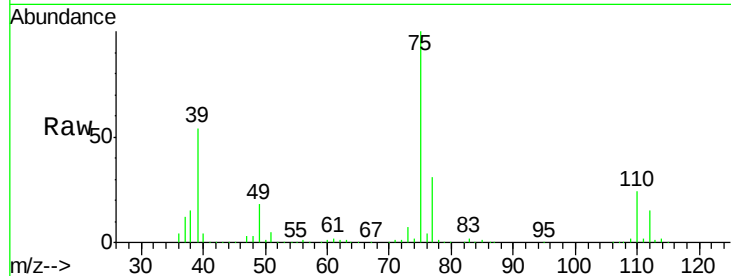
#53
t-1,3-Dichloropropene
Concen: 53.81 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 221625
Ion Ratio Lower Upper
75 100
77 31.3 24.2 36.4

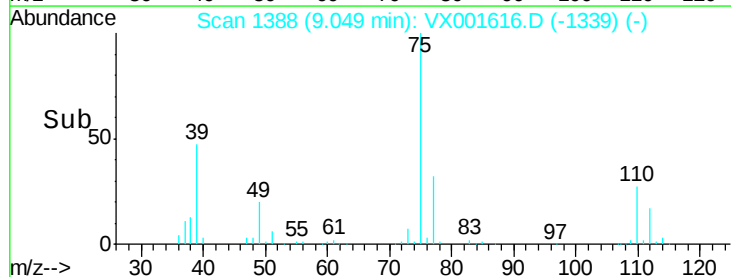
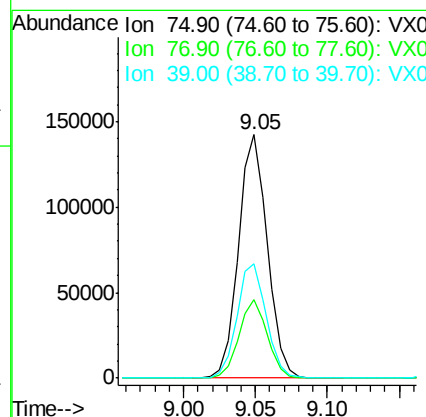
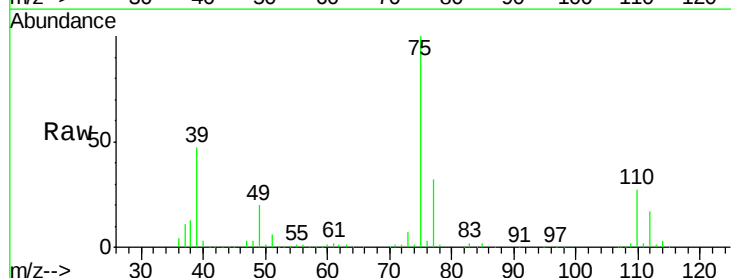
Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#54
cis-1,3-Dichloropropene
Concen: 46.74 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion: 75 Resp: 198369
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
39 47.1 38.9 58.3





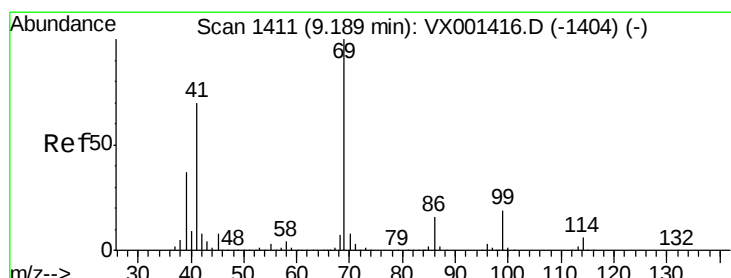
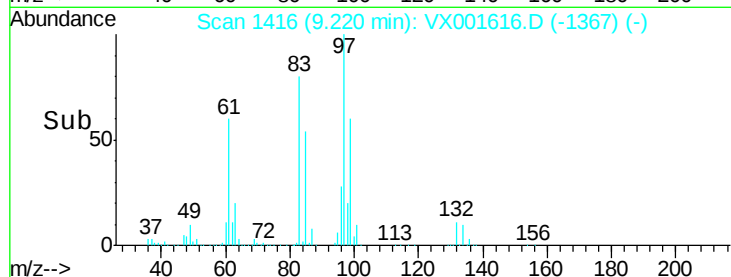
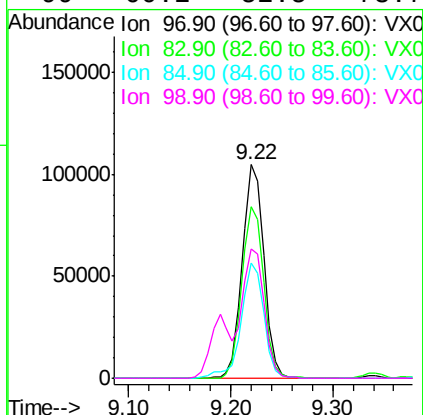
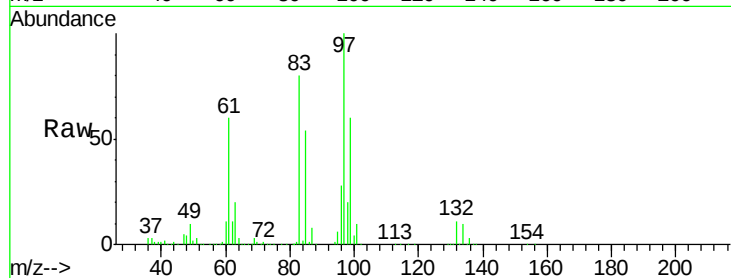
#55
 1,1,2-Trichloroethane
 Concen: 52.57 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	154513
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.4	101.0
85	54.1	43.3	64.9
99	60.2	52.5	78.7

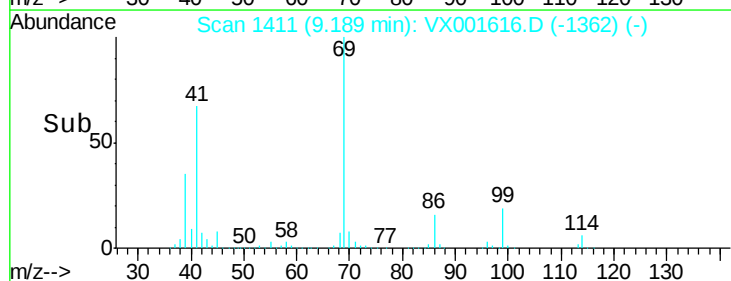
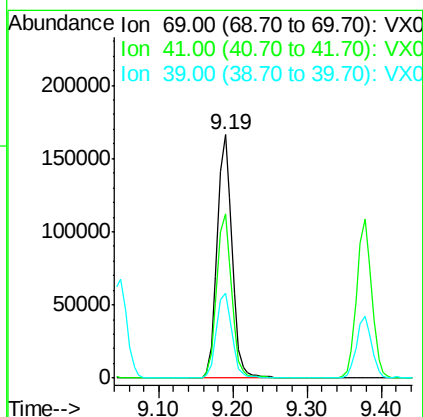
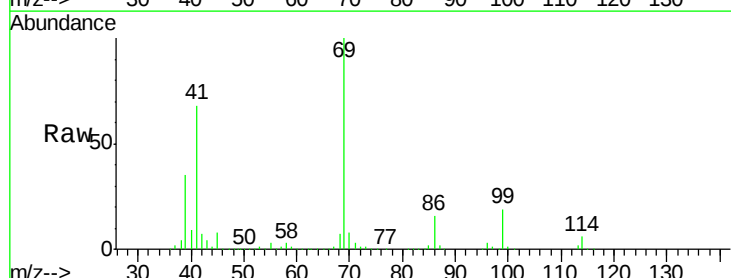
Manual Integrations
 APPROVED

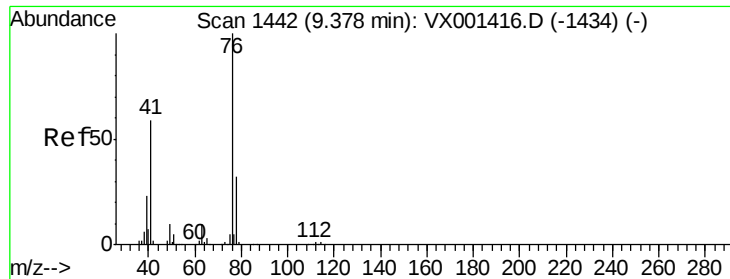
apatel
 5/11/2018 1:06:57 PM



#56
 Ethyl methacrylate
 Concen: 54.01 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion:	69	Resp:	228848
Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.1	82.7
39	36.1	29.9	44.9





#57

1,3-Dichloropropane

Concen: 51.62 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 250880

Ion Ratio Lower Upper

76 100

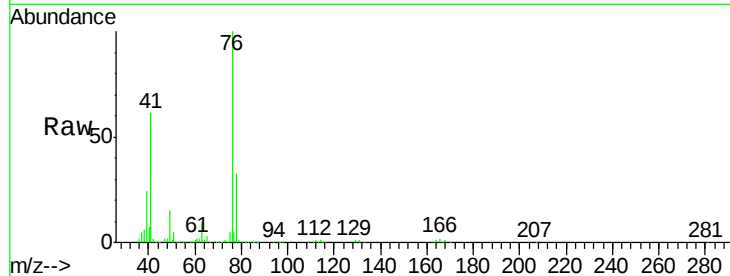
78 32.3 25.8 38.6

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

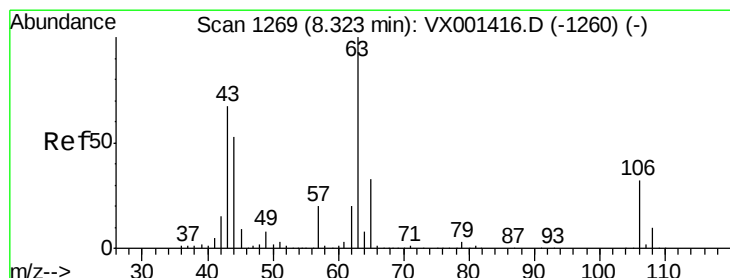
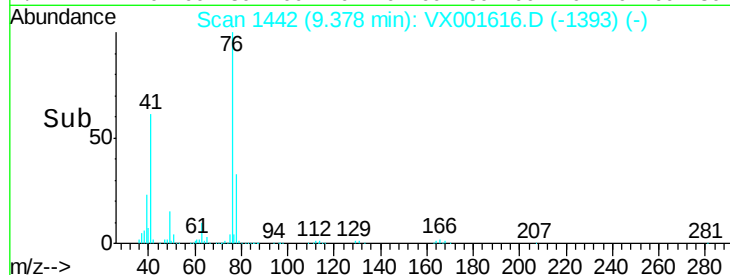
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 284.00 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX001616.D

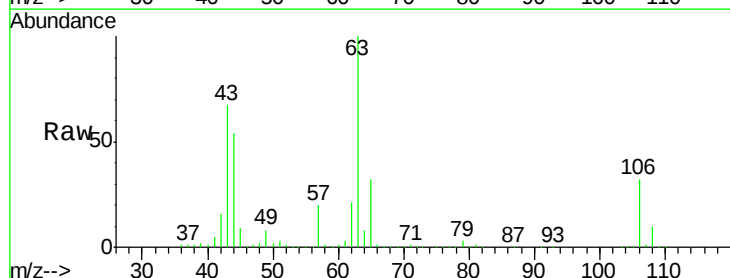
Acq: 10 May 2018 21:42

Tgt Ion: 63 Resp: 590170

Ion Ratio Lower Upper

63 100

106 31.1 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

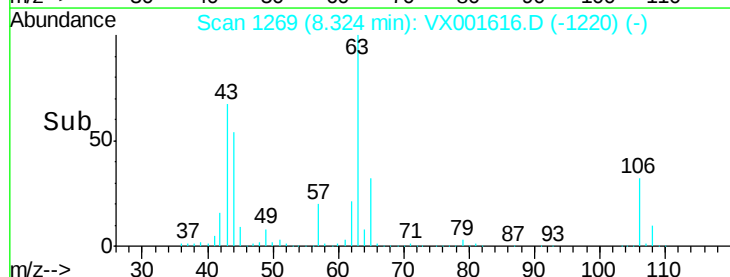
300000

200000

100000

0

Time-->





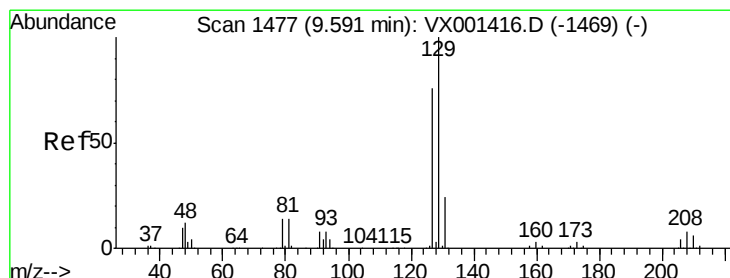
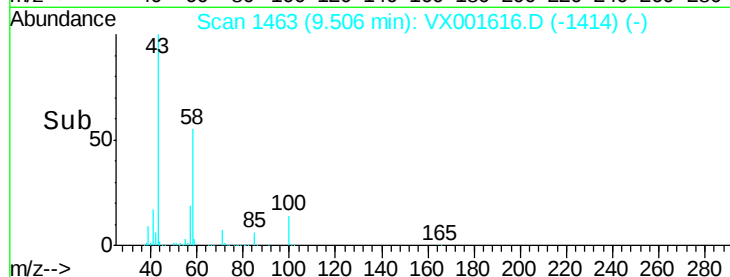
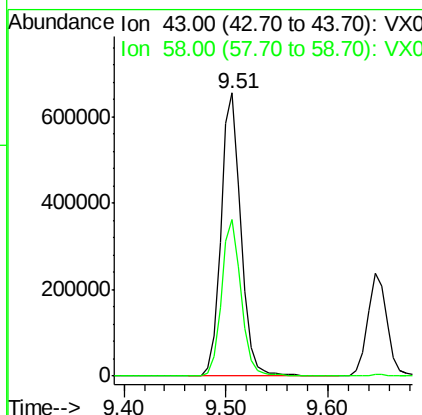
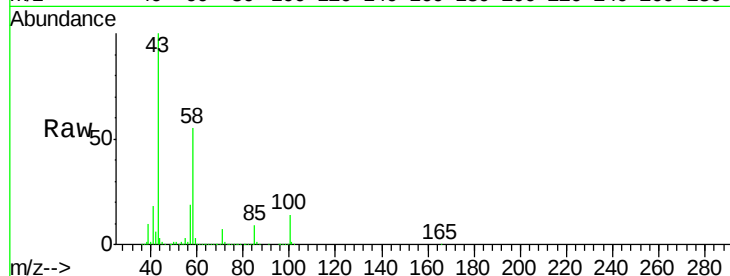
#59
2-Hexanone
Concen: 272.40 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 890979
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.2

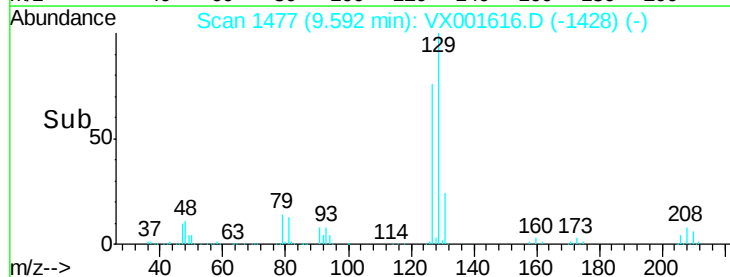
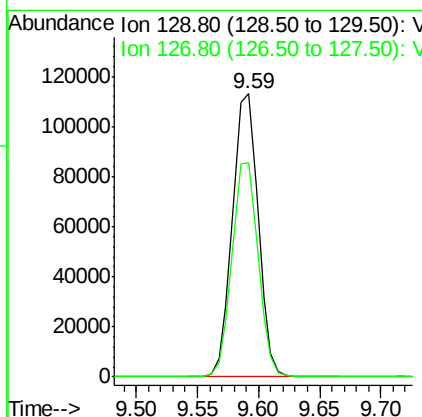
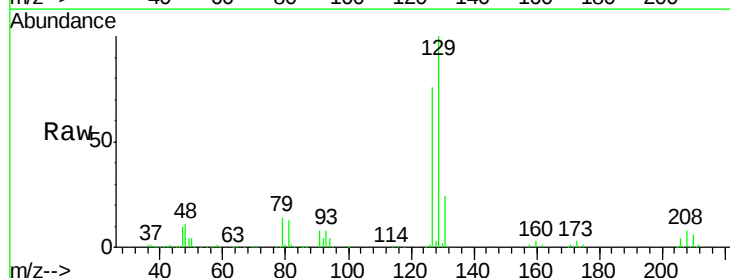
Manual Integrations
APPROVED

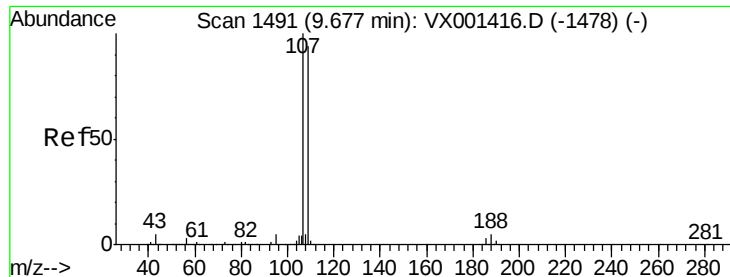
apatel
5/11/2018 1:06:57 PM



#60
Dibromochloromethane
Concen: 54.71 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion: 129 Resp: 164676
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.42 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 161779

Ion Ratio Lower Upper

107 100

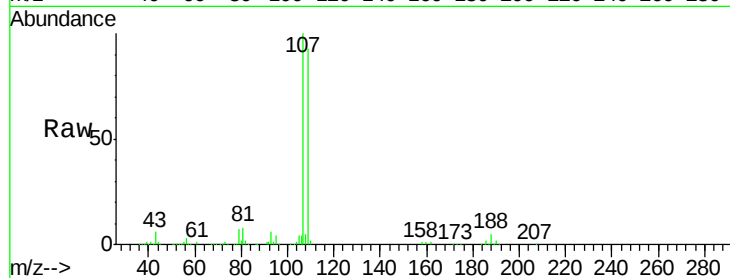
109 94.9 75.5 113.3

Manual Integrations

APPROVED

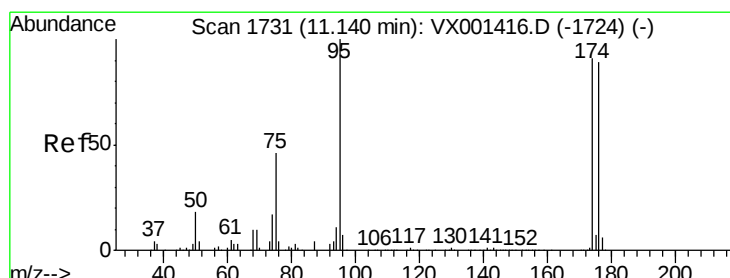
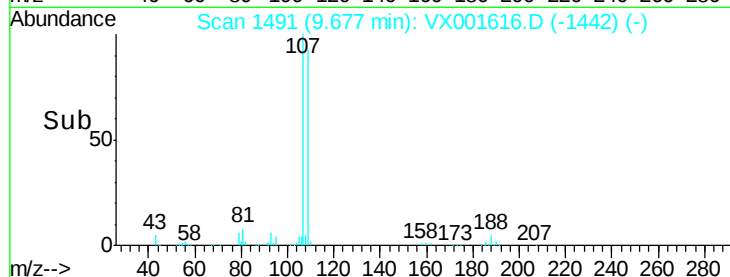
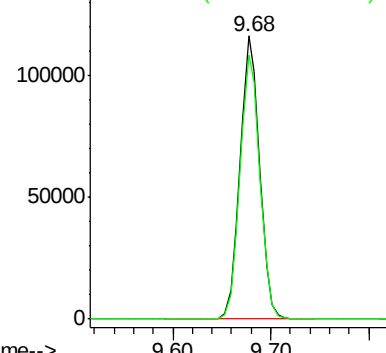
apatel

5/11/2018 1:06:57 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

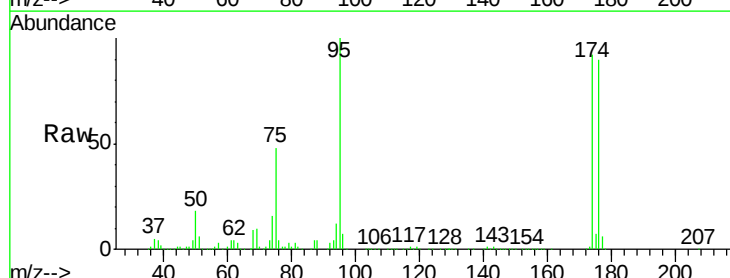
Tgt Ion: 95 Resp: 178392

Ion Ratio Lower Upper

95 100

174 102.4 0.0 202.0

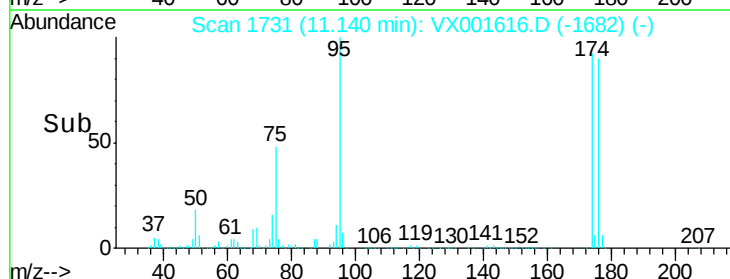
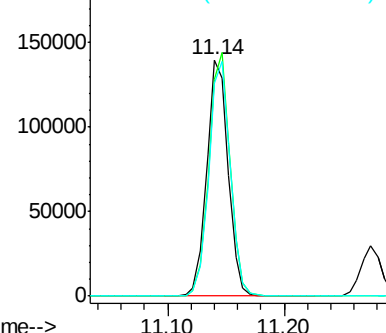
176 99.5 0.0 197.4

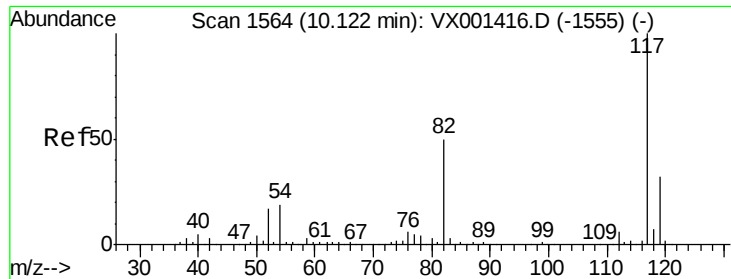


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





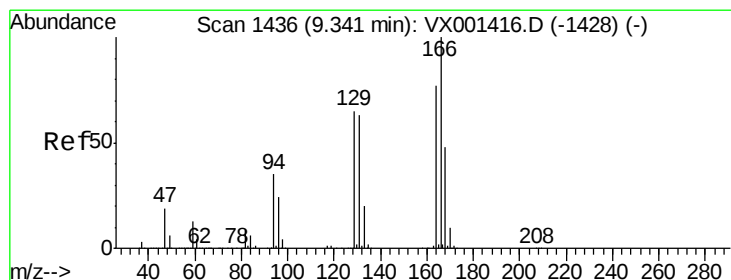
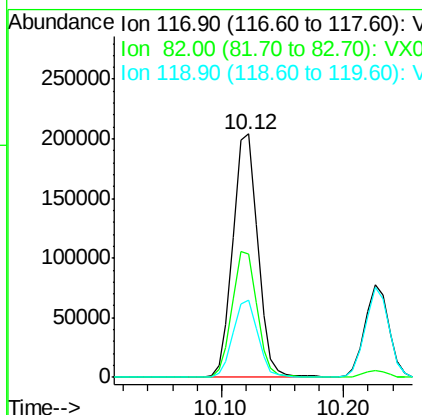
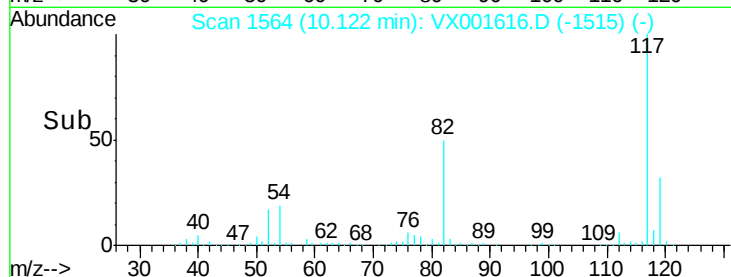
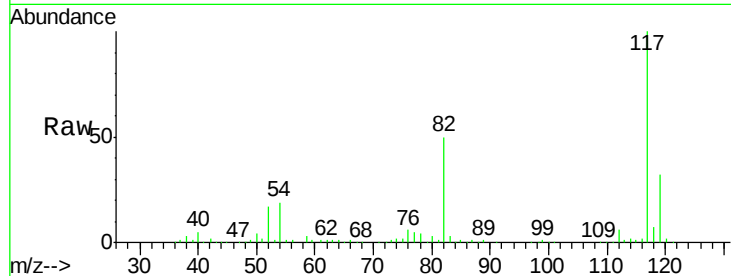
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.0	60.0
119	31.8	25.8	38.8

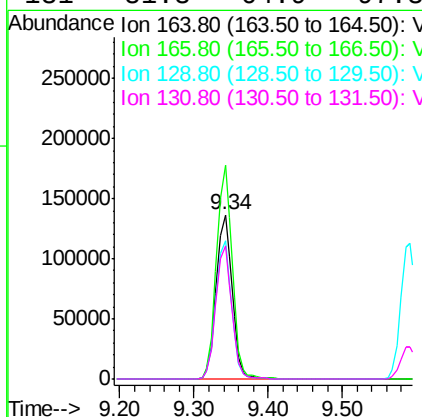
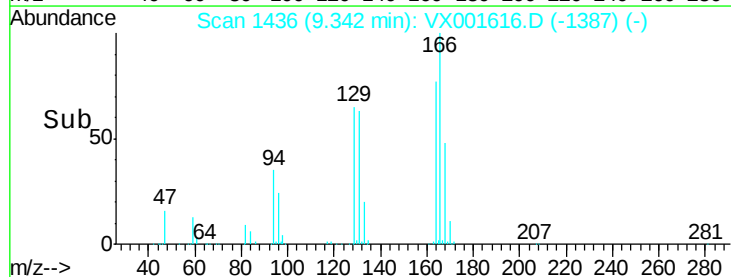
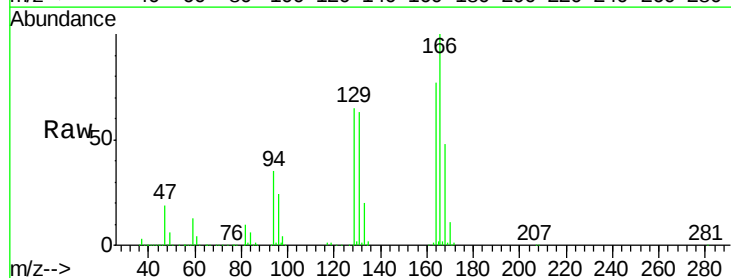
Manual Integrations
APPROVED

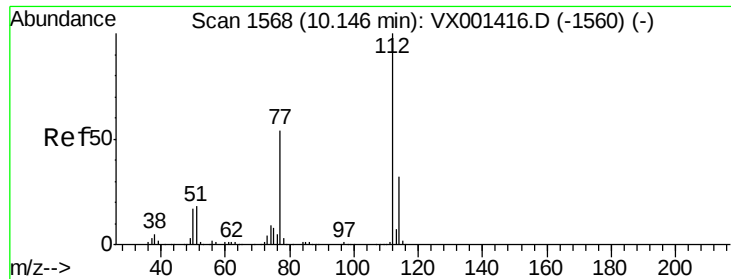
apatel
5/11/2018 1:06:57 PM



#64
Tetrachloroethene
Concen: 50.28 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.5	155.3
129	84.3	66.7	100.1
131	81.3	64.9	97.3





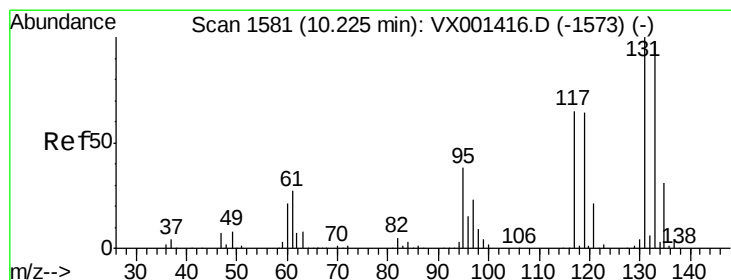
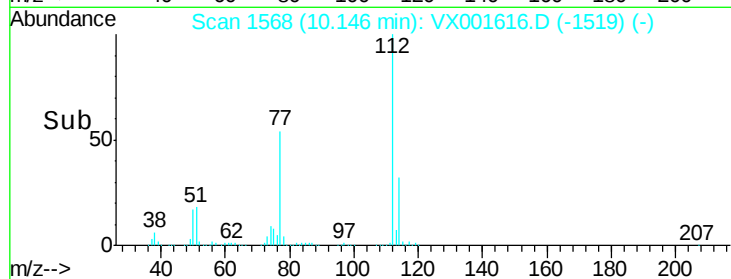
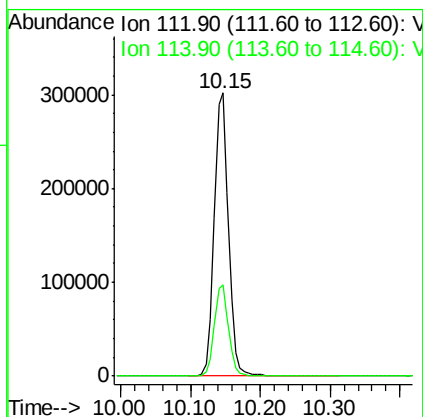
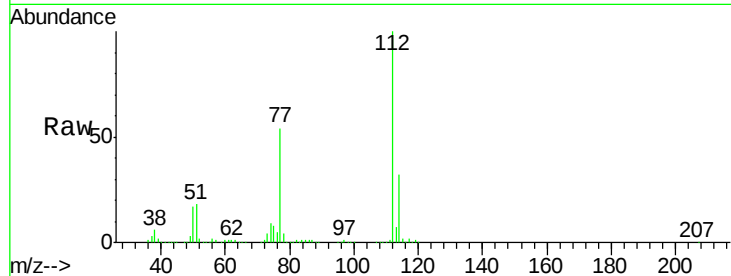
#65
Chlorobenzene
Concen: 50.47 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 426363
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

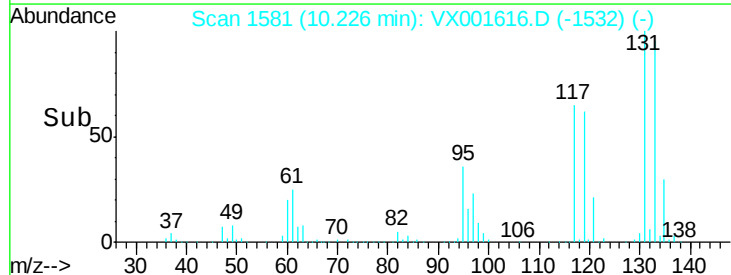
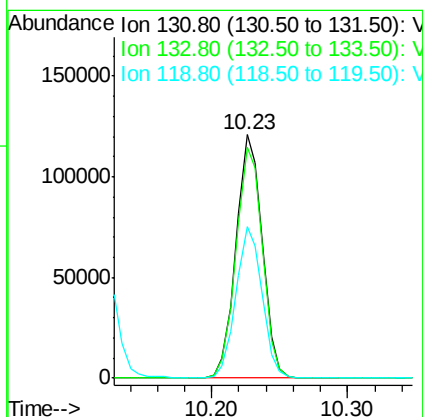
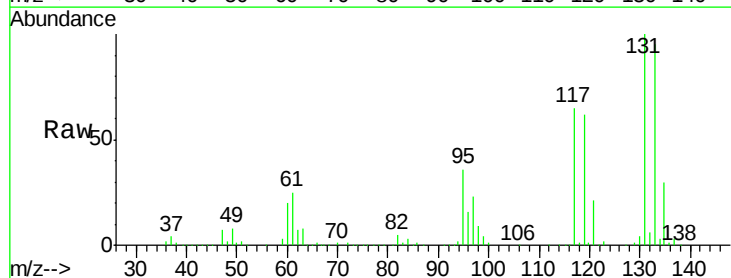
Manual Integrations
APPROVED

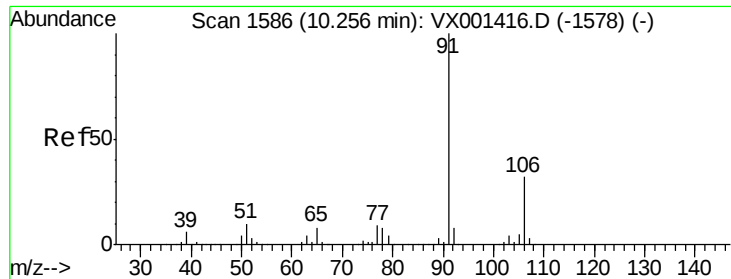
apatel
5/11/2018 1:06:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.59 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion:131 Resp: 161913
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 62.1 31.1 93.3





#67

Ethyl Benzene

Concen: 51.16 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 708360

Ion Ratio Lower Upper

91 100

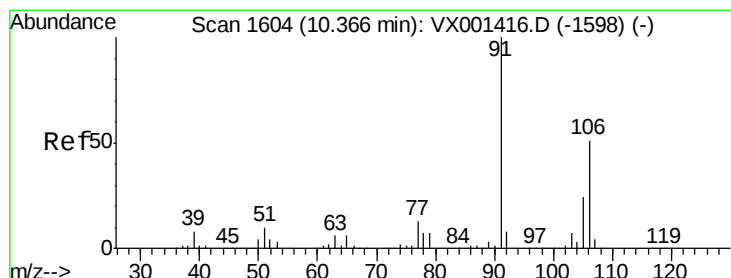
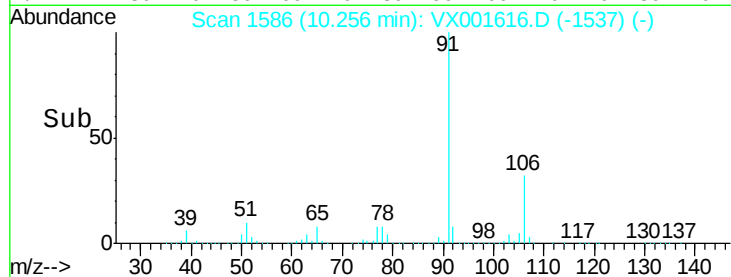
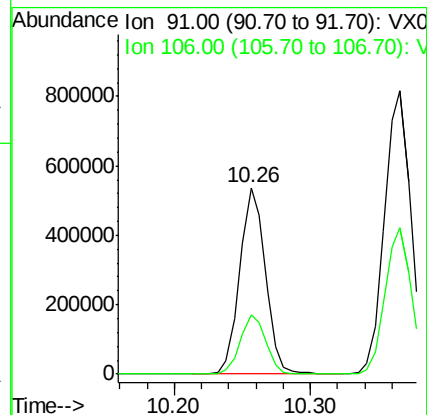
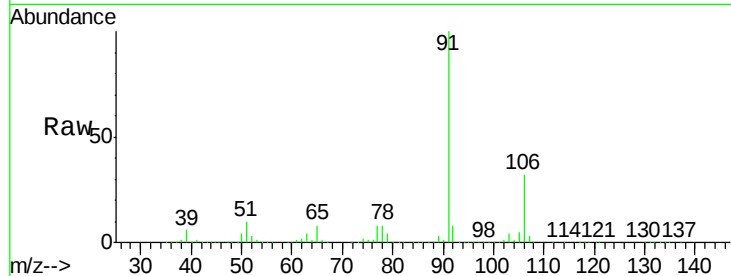
106 32.0 25.5 38.3

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



#68

m/p-Xylenes

Concen: 102.99 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001616.D

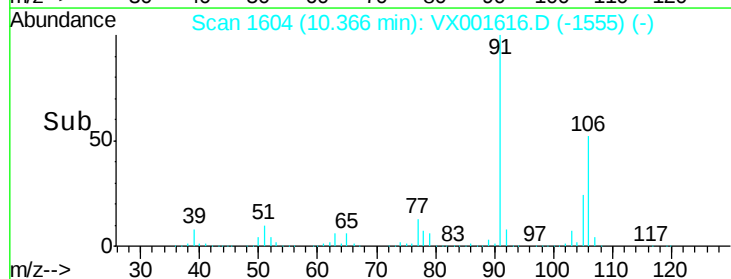
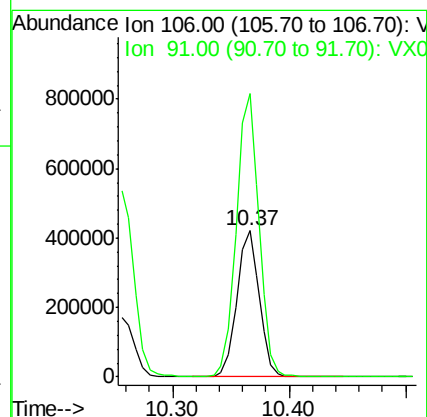
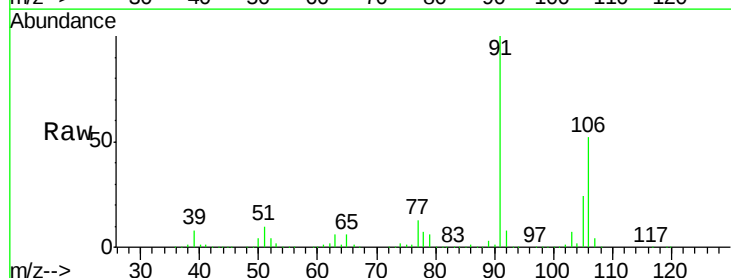
Acq: 10 May 2018 21:42

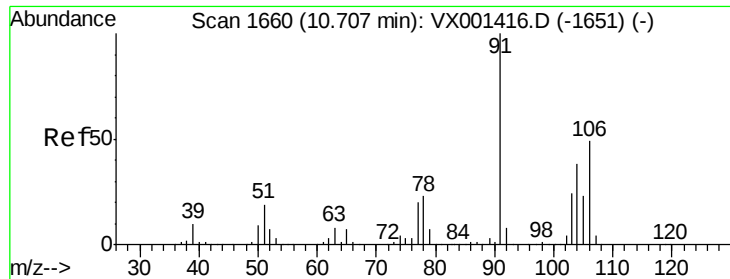
Tgt Ion: 106 Resp: 563441

Ion Ratio Lower Upper

106 100

91 196.6 157.5 236.3





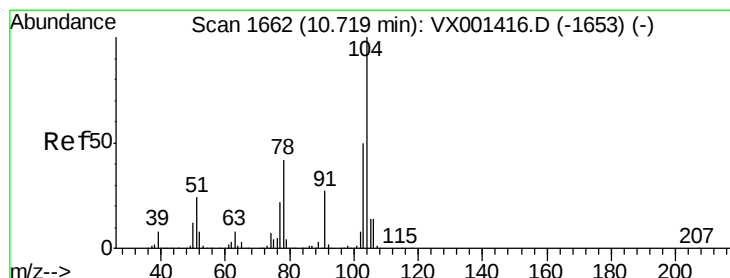
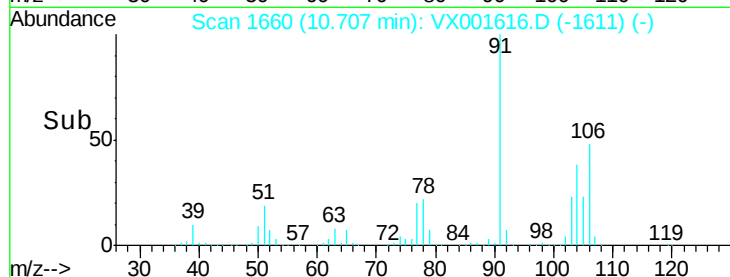
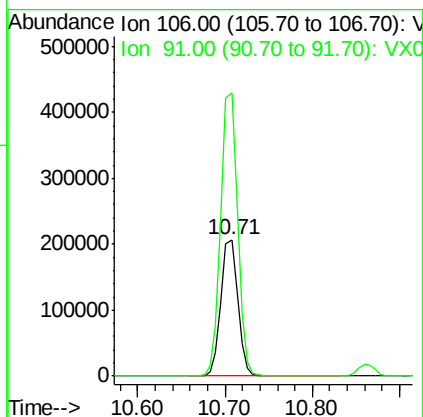
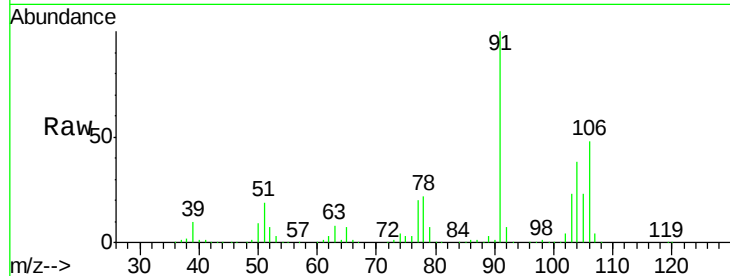
#69
o-Xylene
Concen: 51.98 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.7	103.1	309.1

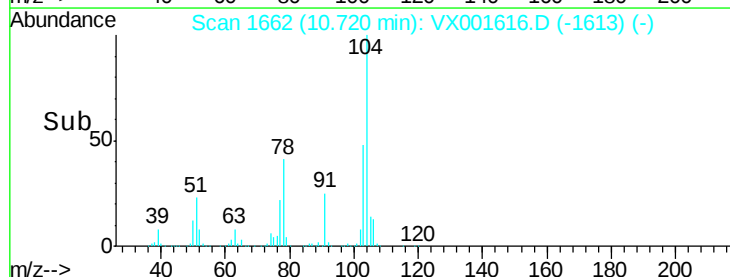
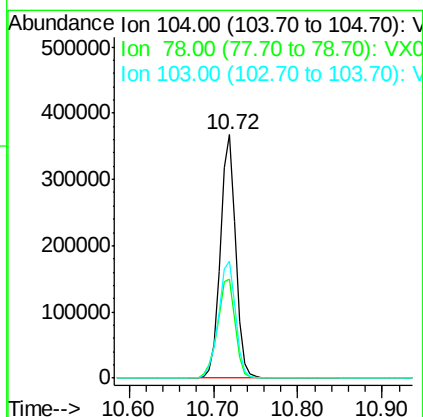
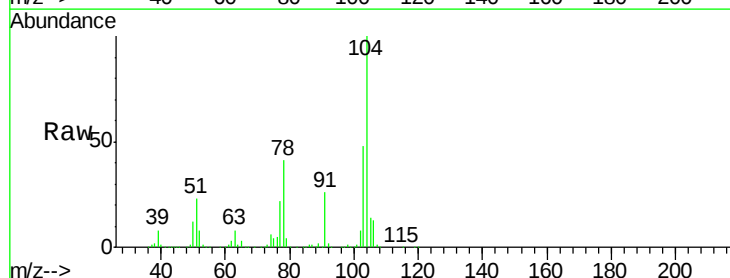
Manual Integrations
APPROVED

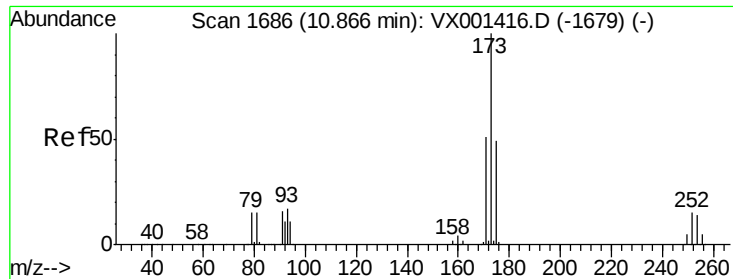
apatel
5/11/2018 1:06:57 PM



#70
Styrene
Concen: 53.78 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.6	58.0
103	53.8	44.0	66.0





#71

Bromoform

Concen: 47.31 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

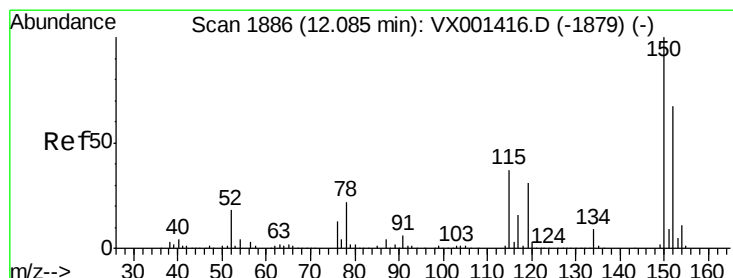
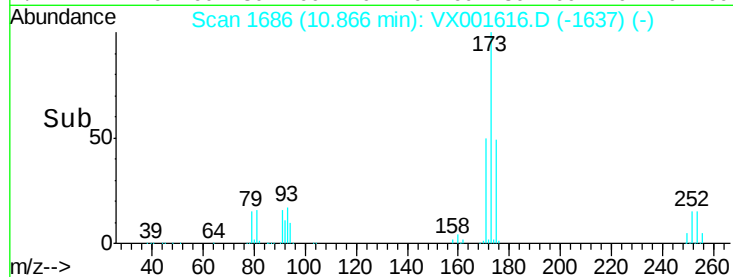
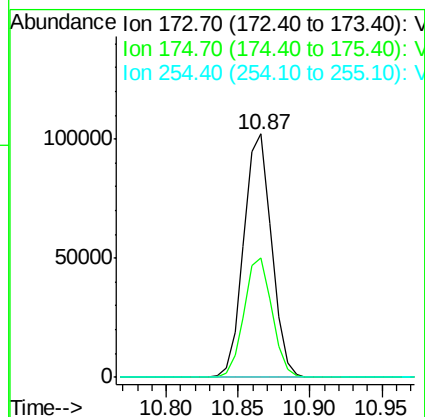
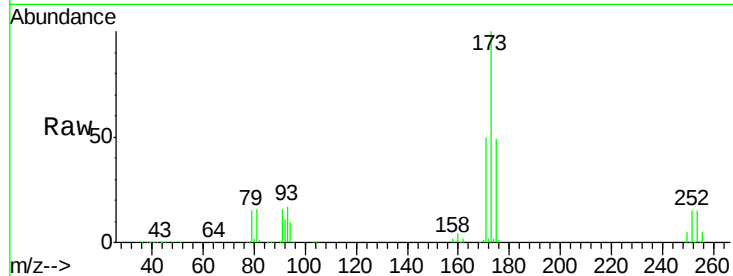
ClientSampled :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

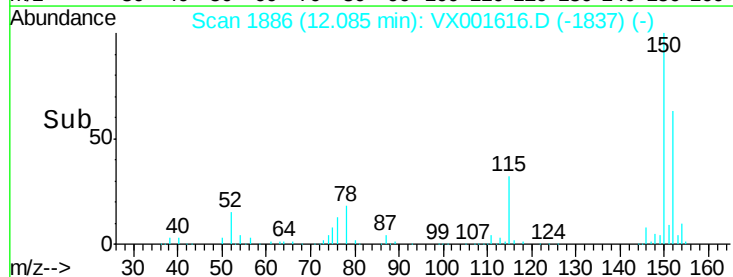
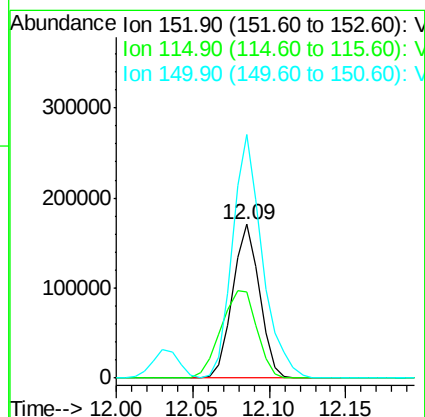
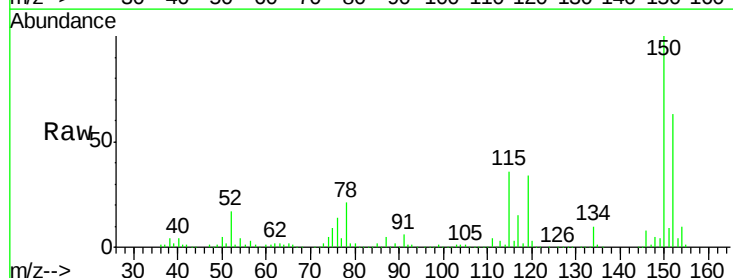
RT: 12.09 min Scan# 1886

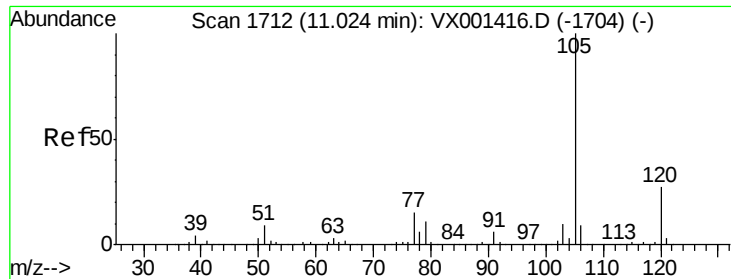
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.0	37.7	113.1
150	175.1	0.0	349.4





#73

Isopropylbenzene

Concen: 51.71 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 744413

Ion Ratio Lower Upper

105 100

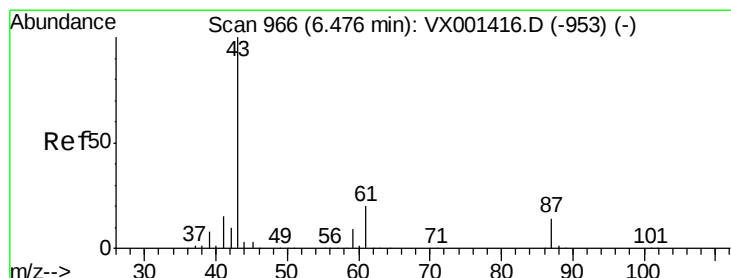
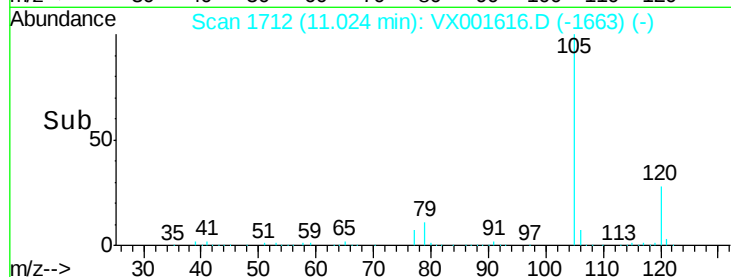
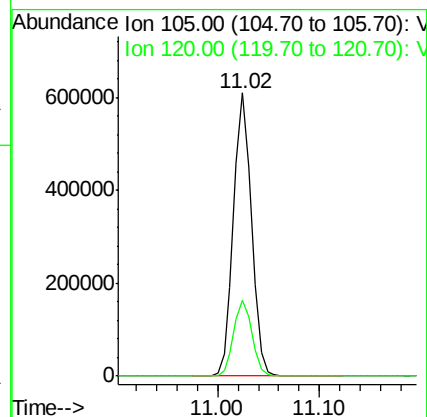
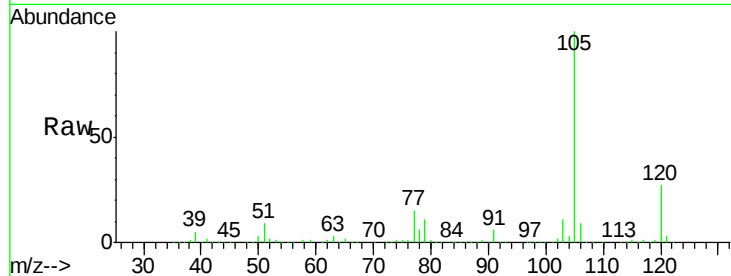
120 27.3 13.6 40.8

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



#74

N-ethyl acetate

Concen: 52.34 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion: 43 Resp: 342242

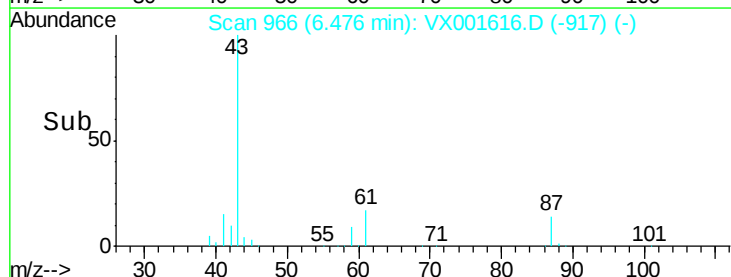
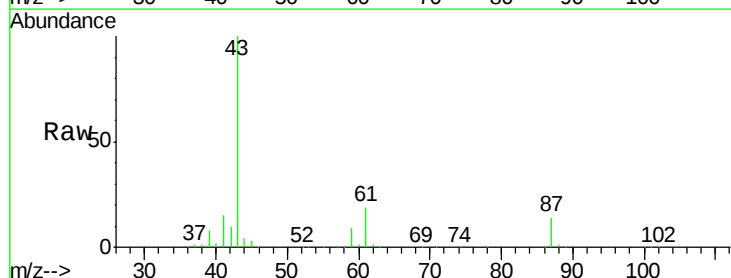
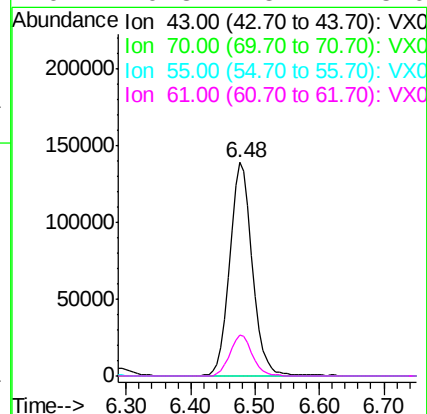
Ion Ratio Lower Upper

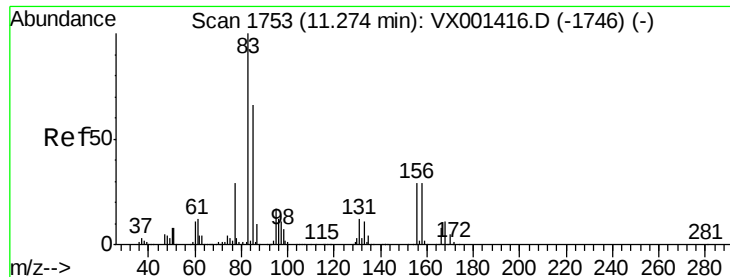
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 19.3 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 226083

Ion Ratio Lower Upper

83 100

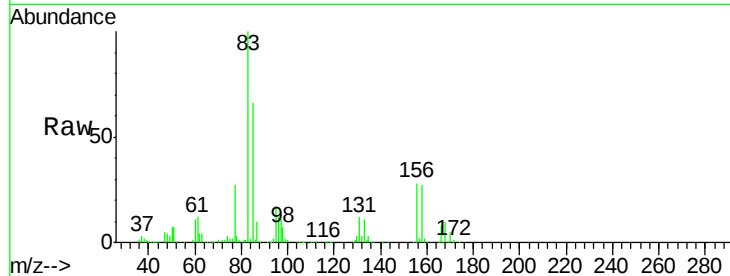
131 11.8 5.8 17.4

85 64.8 32.7 98.1

Manual Integrations
APPROVED

apatel

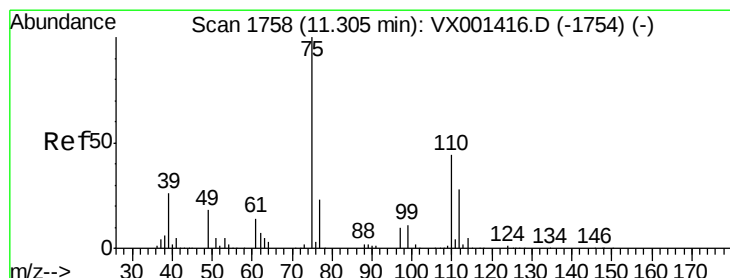
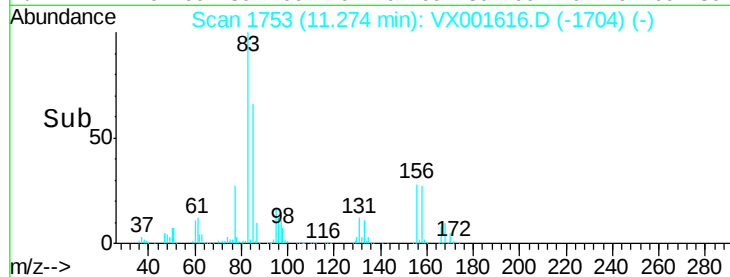
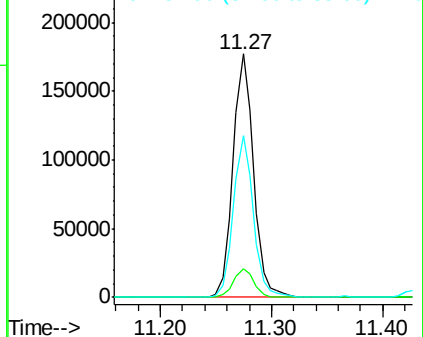
5/11/2018 1:06:57 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.64 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001616.D

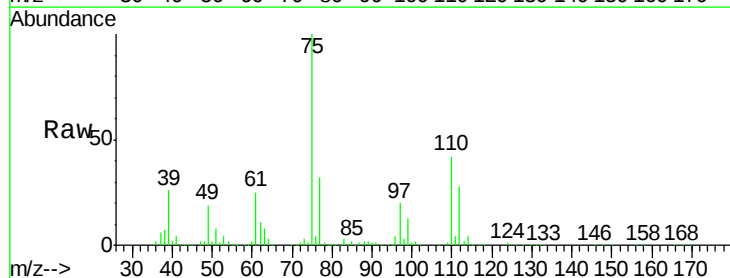
Acq: 10 May 2018 21:42

Tgt Ion: 75 Resp: 222030

Ion Ratio Lower Upper

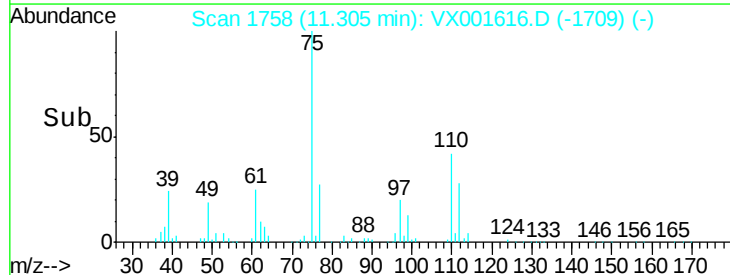
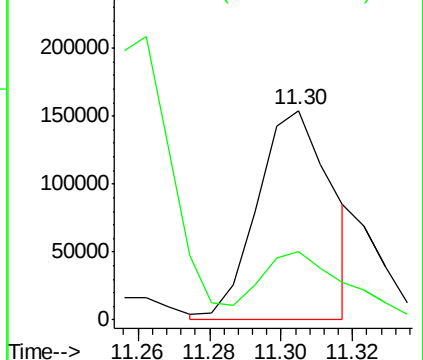
75 100

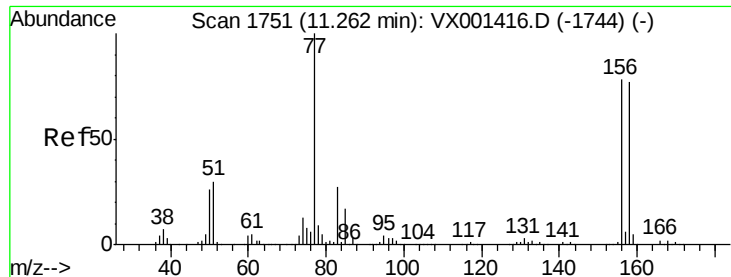
77 37.4 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.22 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 210187

Ion Ratio Lower Upper

156 100

77 132.2 66.0 198.2

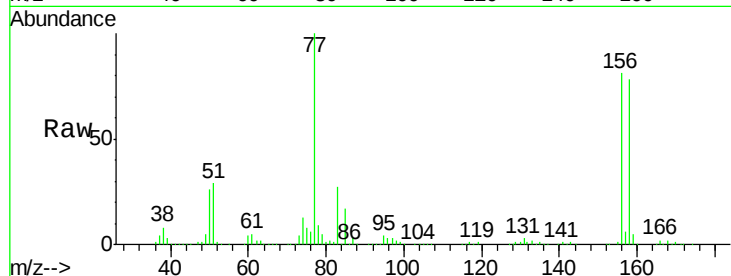
158 97.9 49.4 148.2

Manual Integrations

APPROVED

apatel

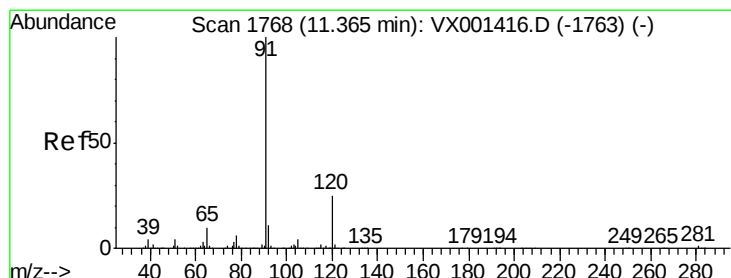
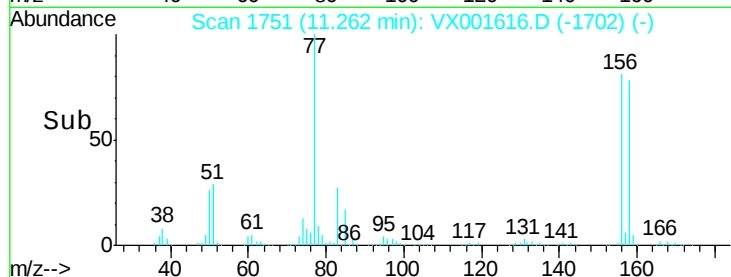
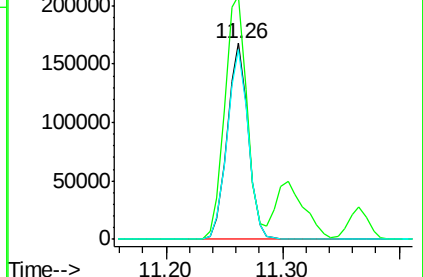
5/11/2018 1:06:57 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.34 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001616.D

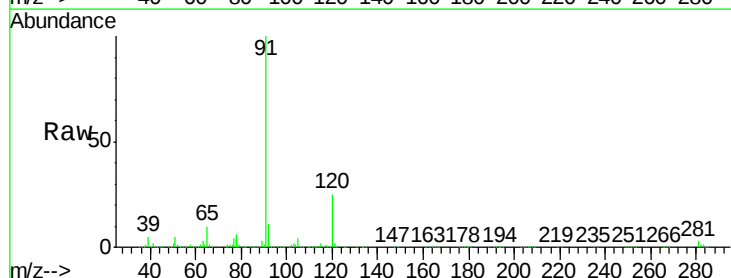
Acq: 10 May 2018 21:42

Tgt Ion: 91 Resp: 820507

Ion Ratio Lower Upper

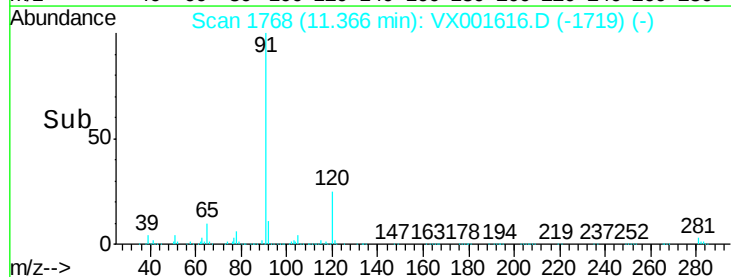
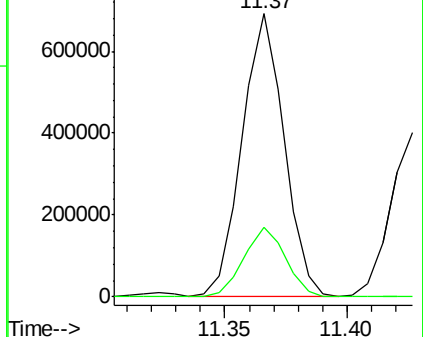
91 100

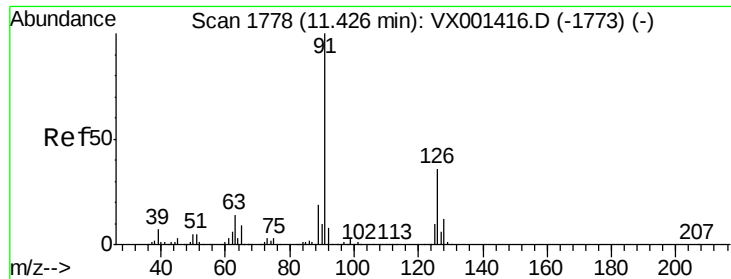
120 24.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.32 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 495124

Ion Ratio Lower Upper

91 100

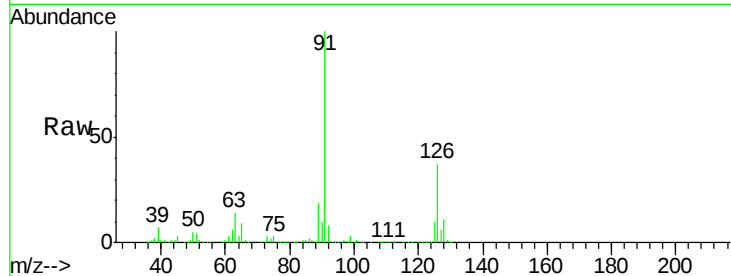
126 36.4 18.1 54.4

Manual Integrations

APPROVED

apatel

5/11/2018 1:06:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VX001616.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001616.D (-1773) (-)

800000

600000

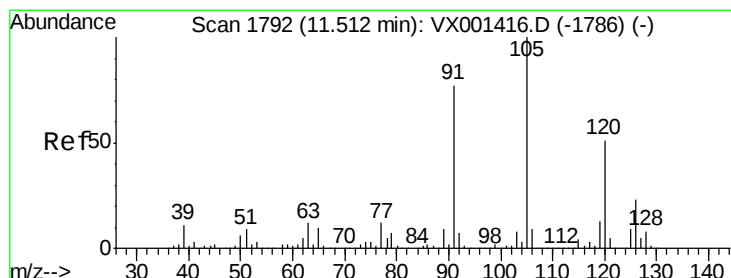
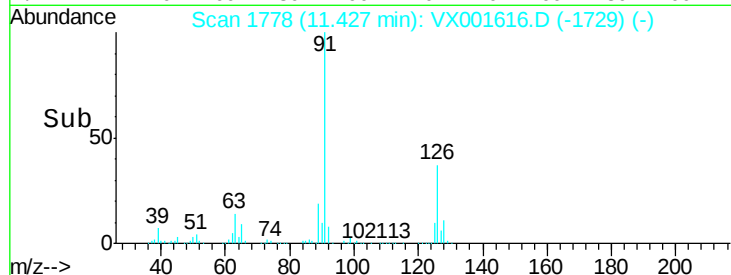
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001616.D

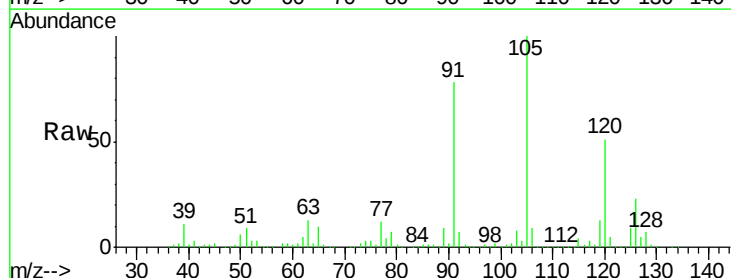
Acq: 10 May 2018 21:42

Tgt Ion: 105 Resp: 618650

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001616.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001616.D (-1786) (-)

600000

500000

400000

300000

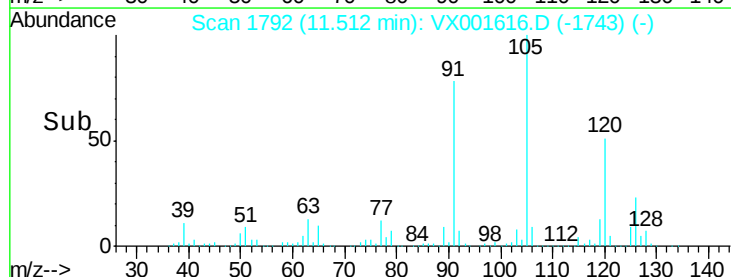
200000

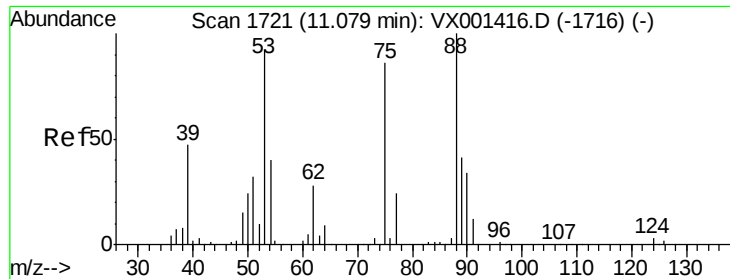
100000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.20 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

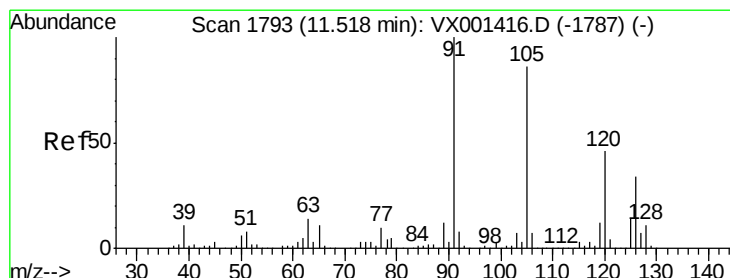
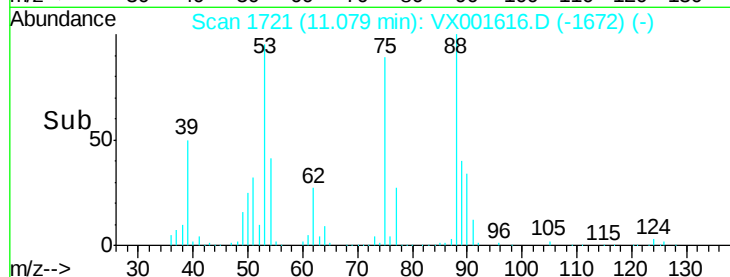
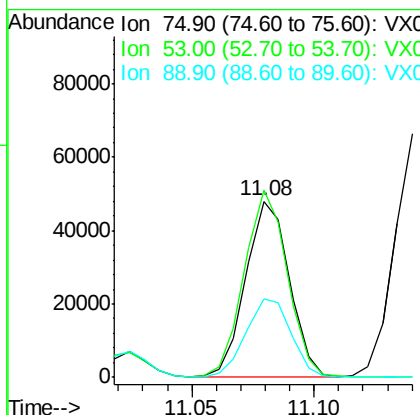
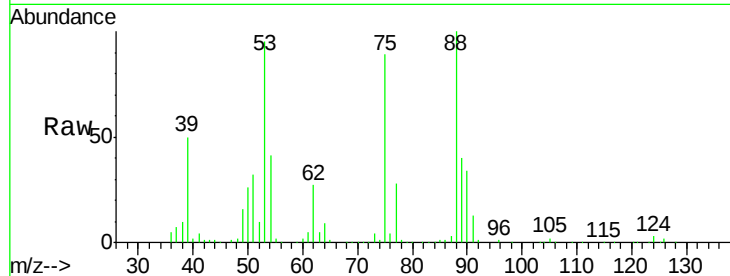
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59191
Ion Ratio	Lower	Upper	
75	100		
53	106.4	84.5	126.7
89	46.9	39.5	59.3

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#82

4-Chlorotoluene

Concen: 51.57 ug/l

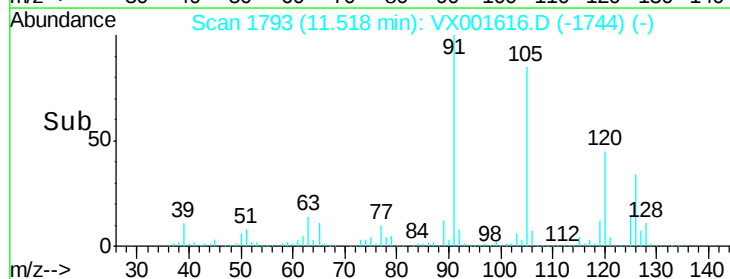
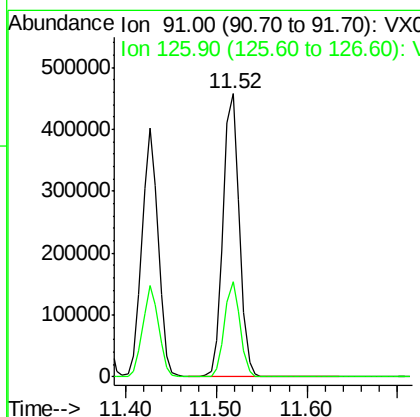
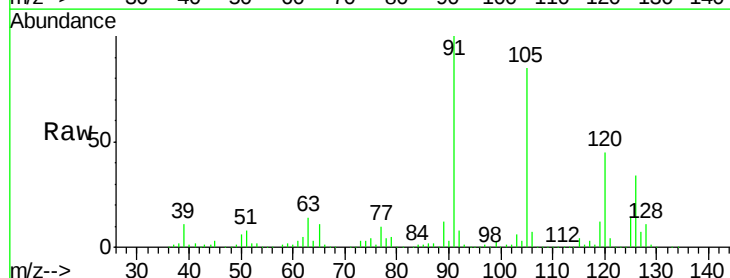
RT: 11.52 min Scan# 1793

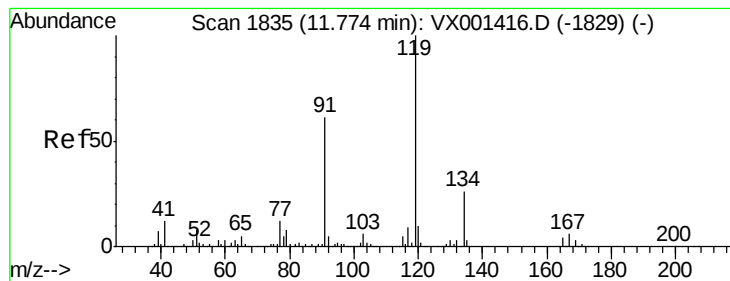
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	91	Resp:	573954
Ion Ratio	Lower	Upper	
91	100		
126	32.2	16.2	48.5





#83

tert-Butylbenzene

Concen: 50.82 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

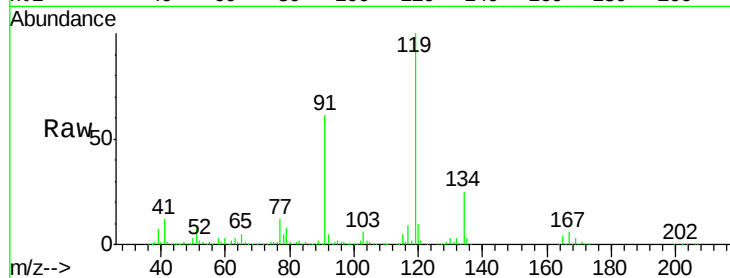
ClientSampleId :

VSTDCCC050EC

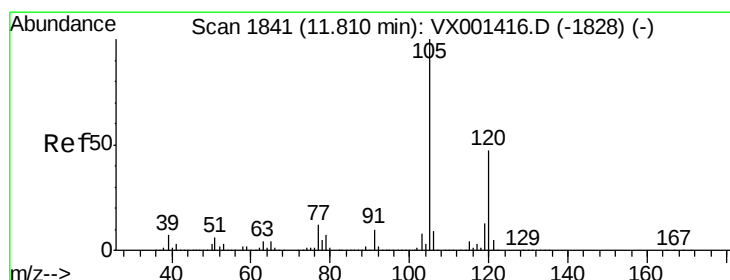
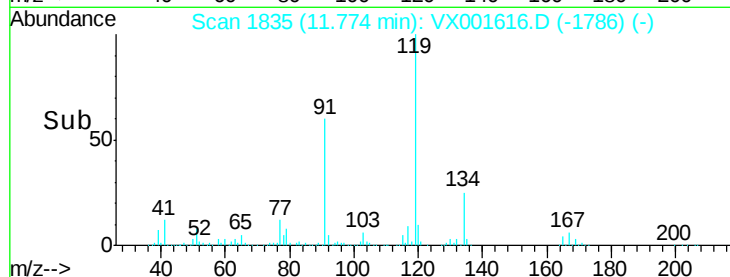
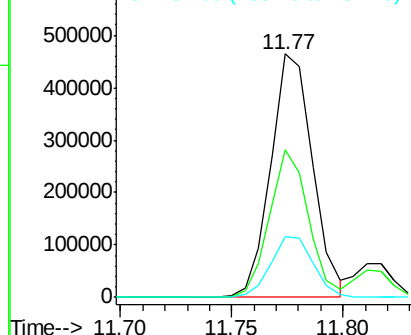
Tot Ion:	119	Resp:	606133
Ion Ratio	Lower	Upper	
119	100		
91	56.5	27.8	83.3
134	25.2	12.4	37.0

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



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



#84

1,2,4-Trimethylbenzene

Concen: 52.05 ug/l

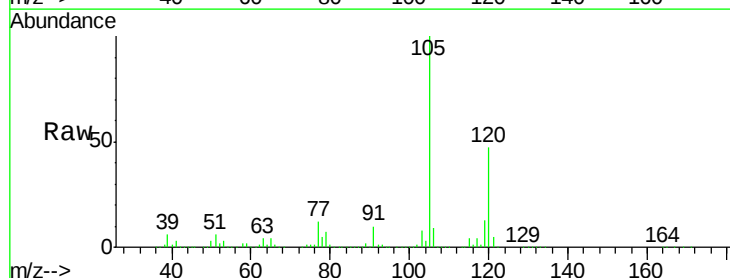
RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

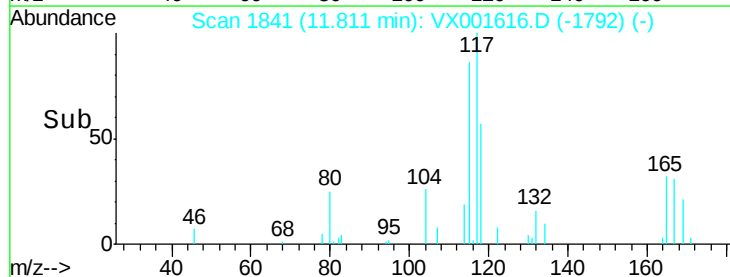
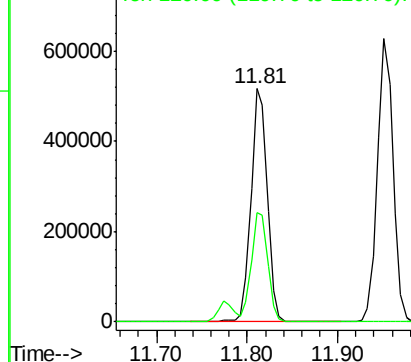
Lab File: VX001616.D

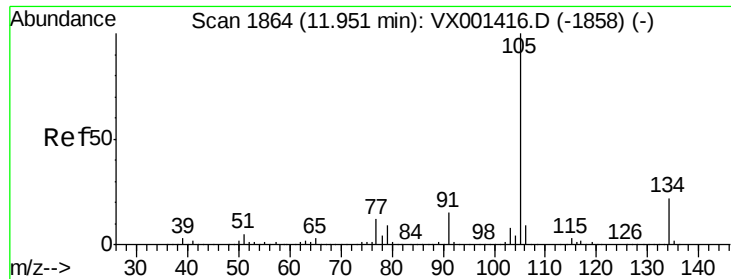
Acq: 10 May 2018 21:42

Tgt Ion:	105	Resp:	641219
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.4	70.2



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





#85

sec-Butylbenzene

Concen: 52.59 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 752837

Ion Ratio Lower Upper

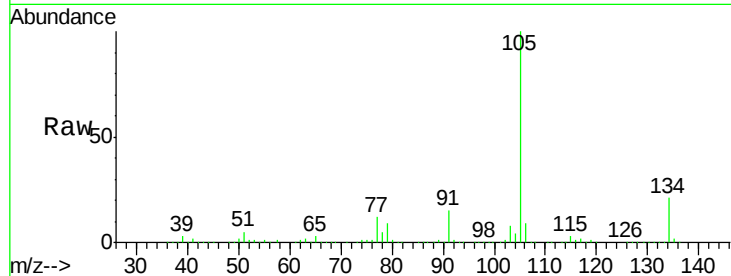
105 100

134 21.7 10.9 32.9

Manual Integrations
APPROVED

apatel

5/11/2018 1:06:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

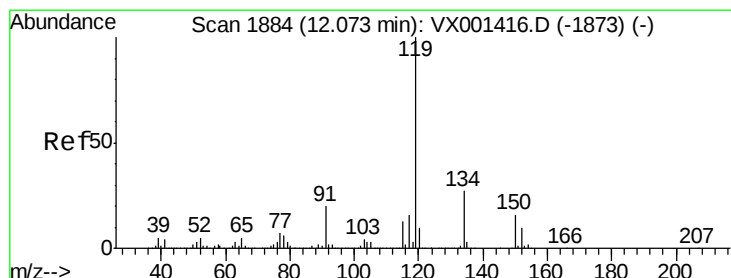
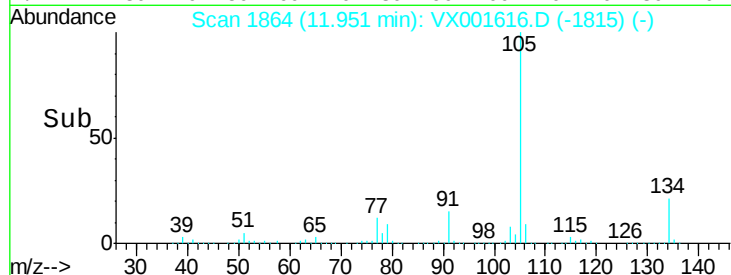
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.50 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

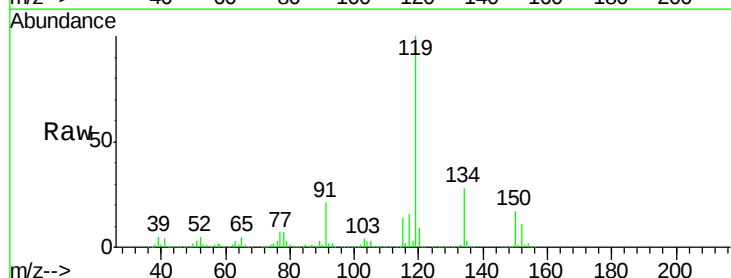
Tgt Ion:119 Resp: 689445

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.6 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

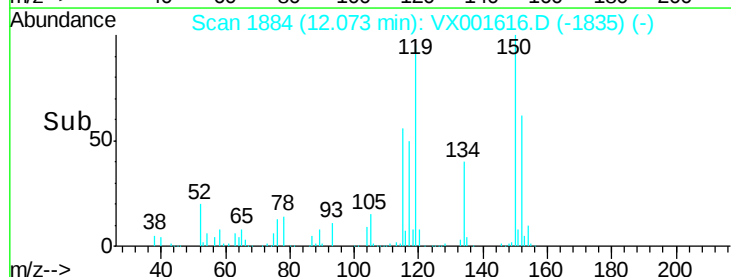
600000

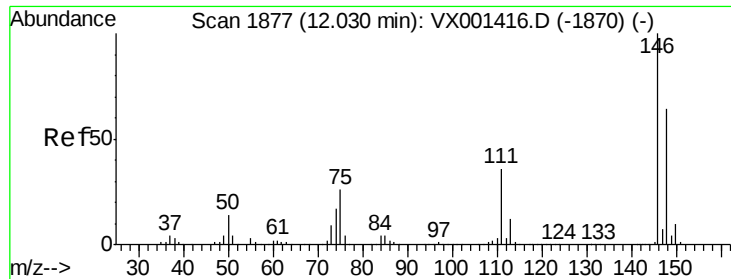
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.85 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

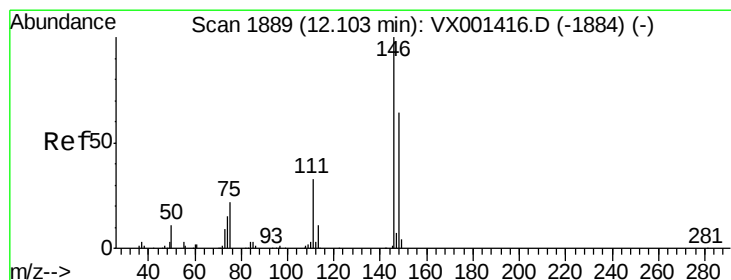
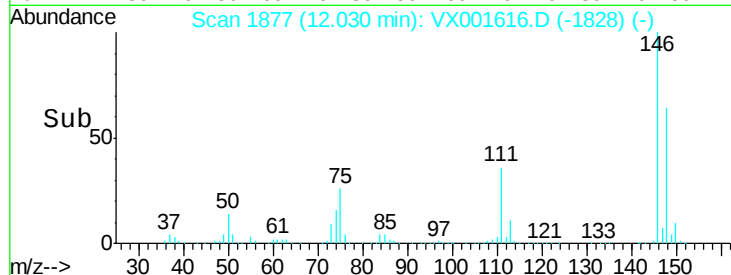
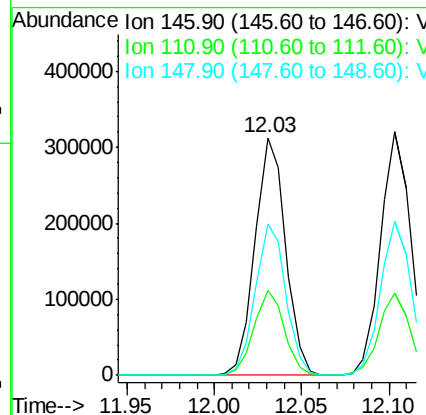
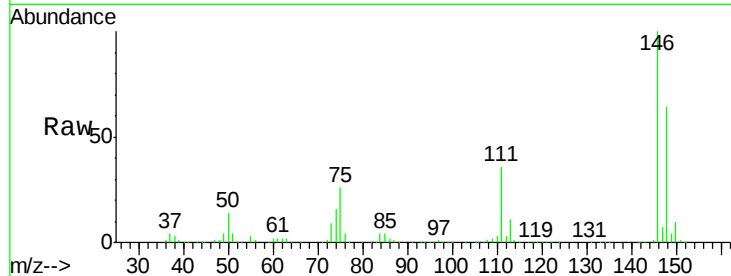
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	380469
Ion Ratio	Lower	Upper	
146	100		
111	35.3	18.1	54.1
148	63.5	32.1	96.5

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#88

1,4-Dichlorobenzene

Concen: 50.23 ug/l

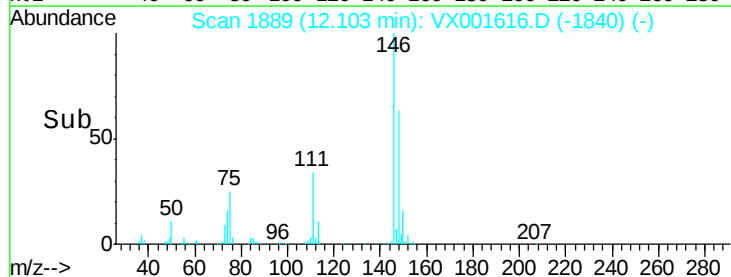
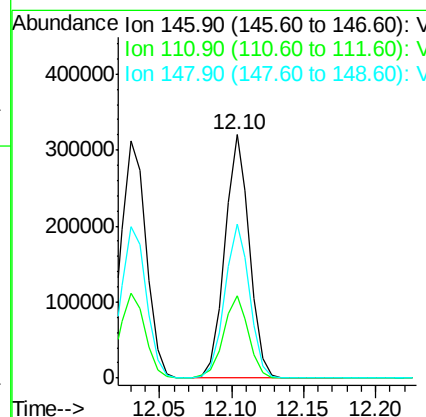
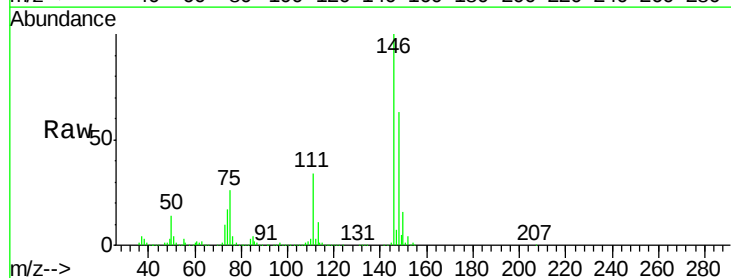
RT: 12.10 min Scan# 1889

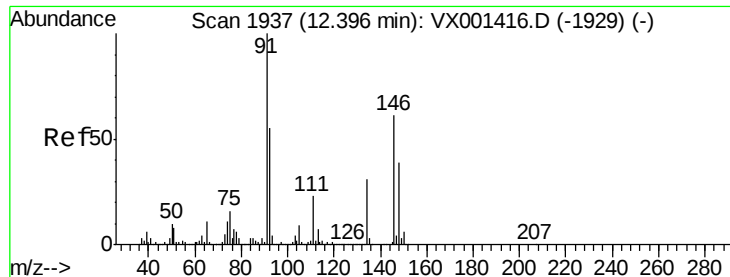
Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	146	Resp:	383312
Ion Ratio	Lower	Upper	
146	100		
111	34.4	17.4	52.3
148	64.3	32.2	96.6





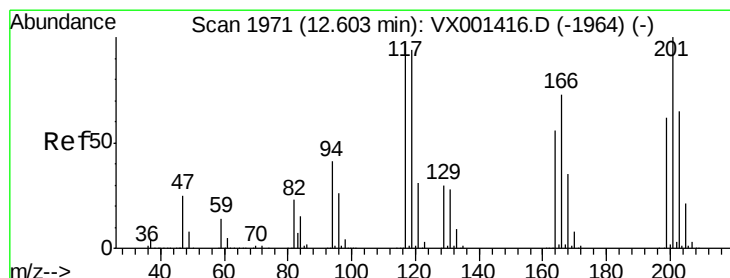
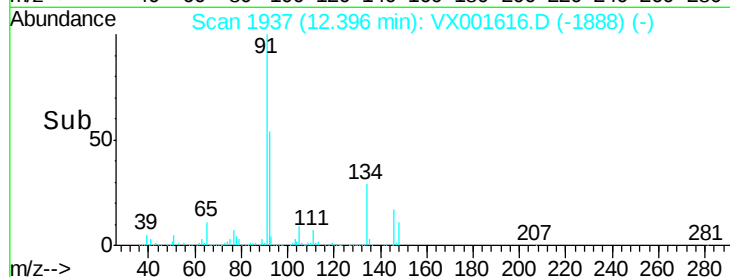
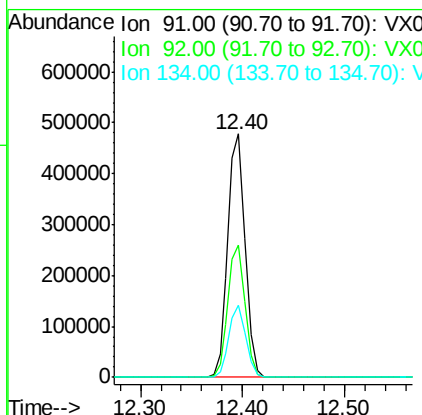
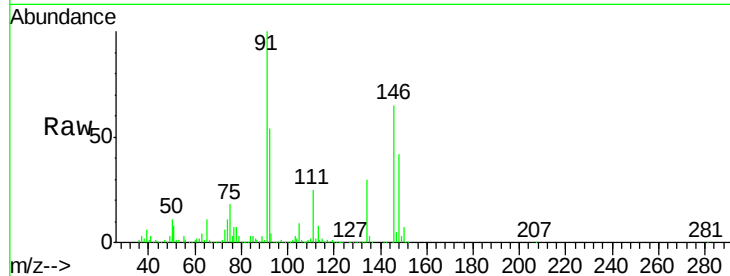
#89
n-Butylbenzene
Concen: 51.54 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.5
134	28.9	14.6	44.0

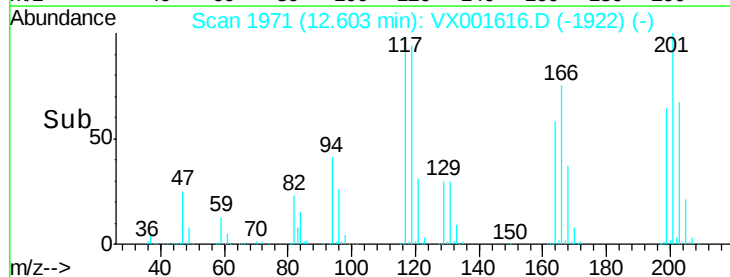
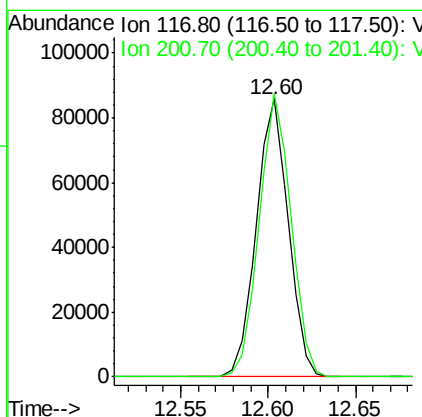
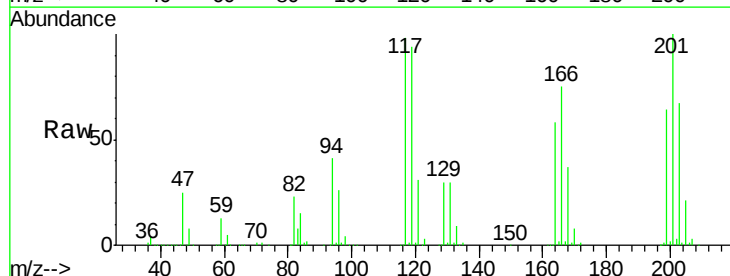
Manual Integrations
APPROVED

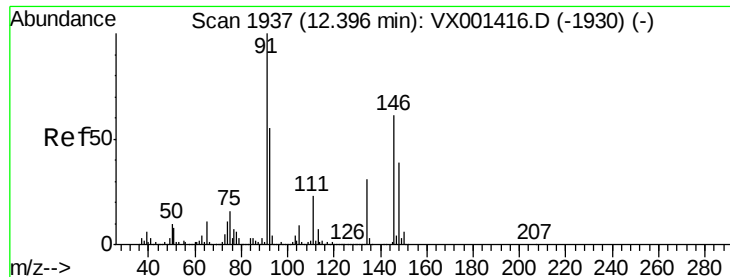
apatel
5/11/2018 1:06:57 PM



#90
Hexachloroethane
Concen: 55.11 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001616.D
Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.5	51.5	154.5





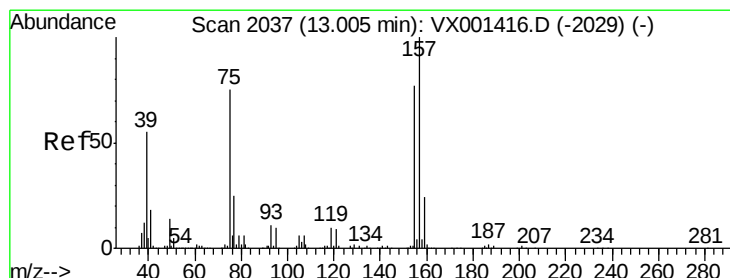
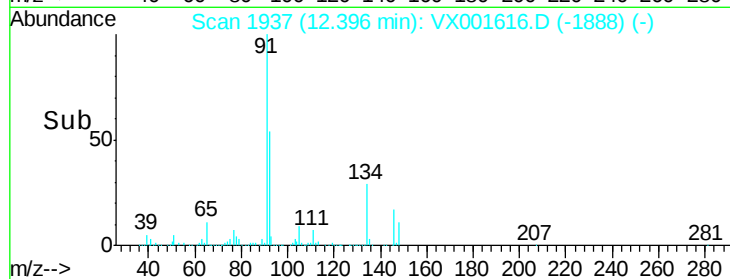
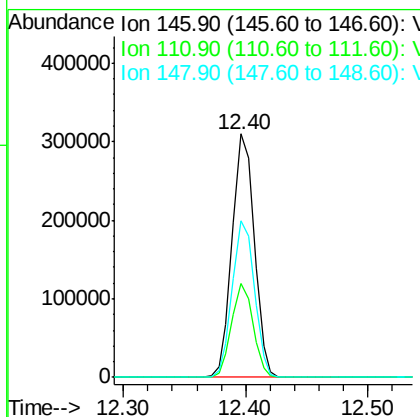
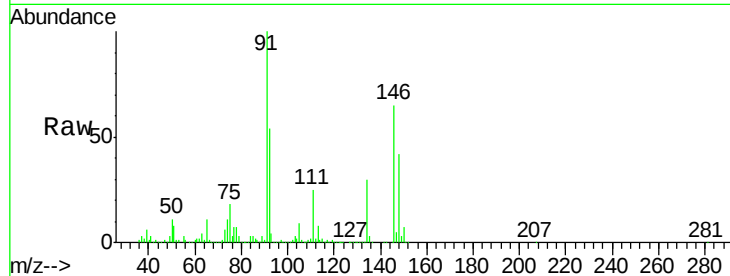
#91
 1,2-Dichlorobenzene
 Concen: 50.80 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	386662		
111	37.4	18.6	55.8	
148	64.3	32.1	96.5	

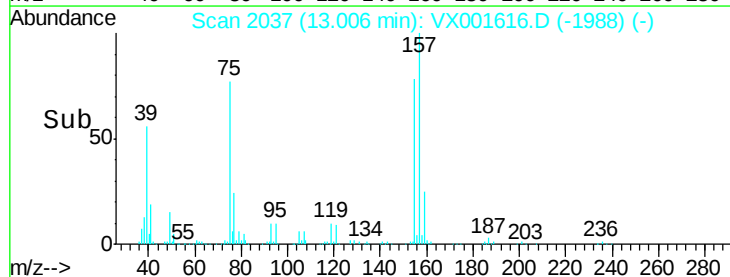
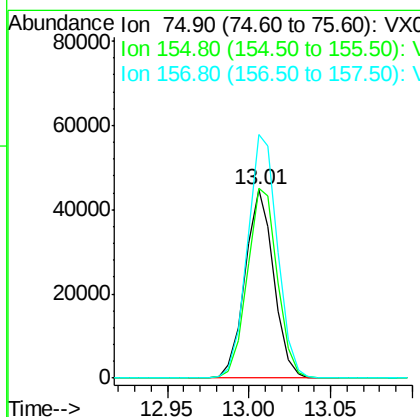
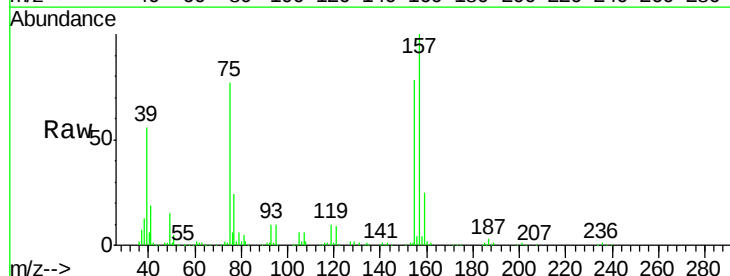
Manual Integrations
 APPROVED

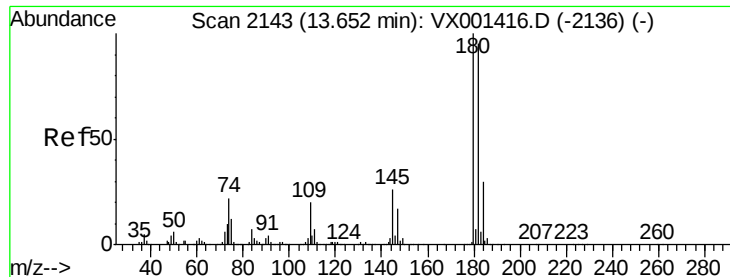
apatel
 5/11/2018 1:06:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.70 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54835		
155	105.2	53.4	160.2	
157	135.6	68.3	204.8	





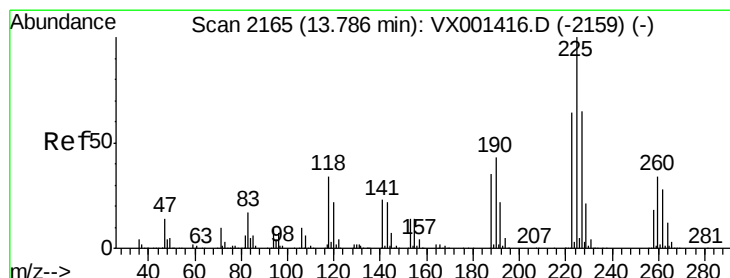
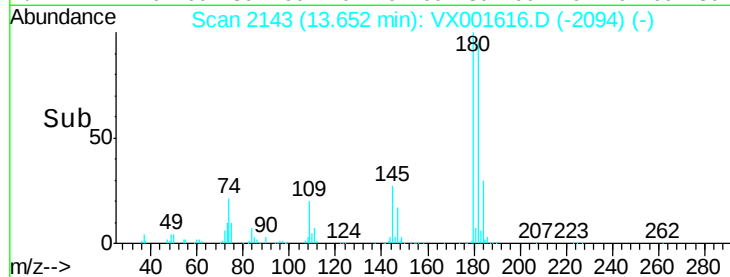
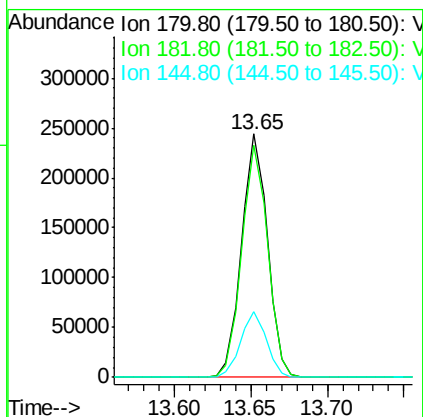
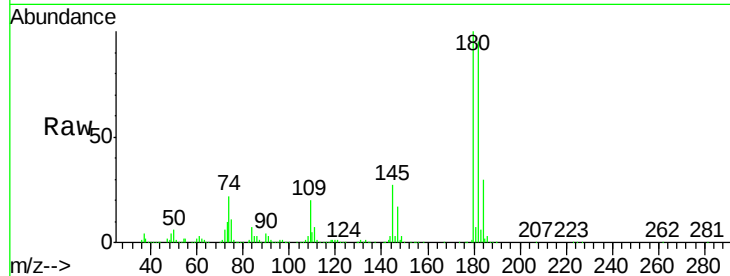
#93
 1,2,4-Trichlorobenzene
 Concen: 51.26 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285506		
182	96.0	47.8	143.4	
145	27.0	13.3	39.9	

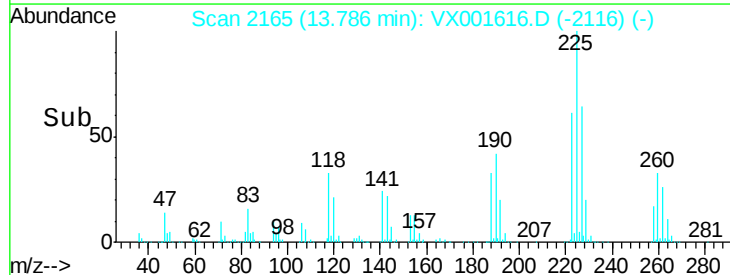
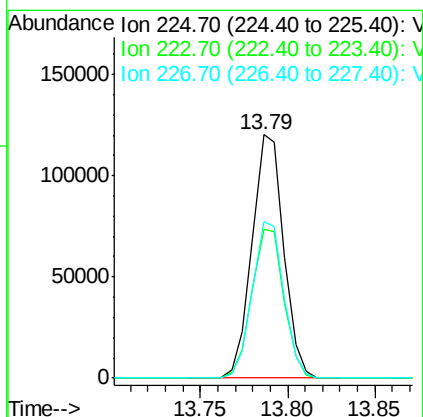
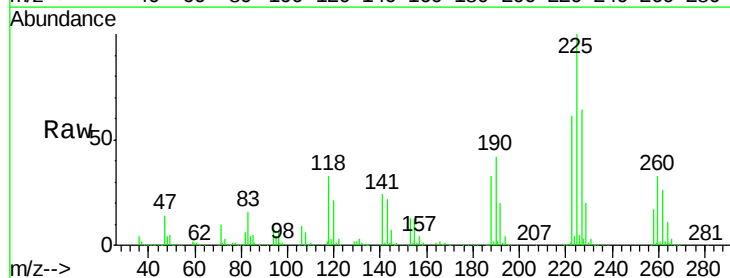
Manual Integrations
 APPROVED

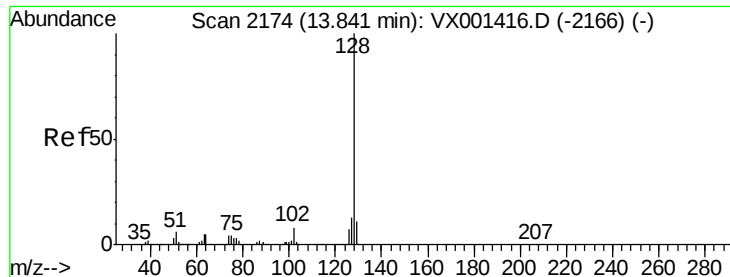
apatel
 5/11/2018 1:06:57 PM



#94
 Hexachlorobutadiene
 Concen: 49.70 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001616.D
 Acq: 10 May 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151479		
223	62.0	31.3	93.9	
227	63.8	32.4	97.2	





#95

Naphthalene

Concen: 54.72 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Instrument :

MSVOA_X

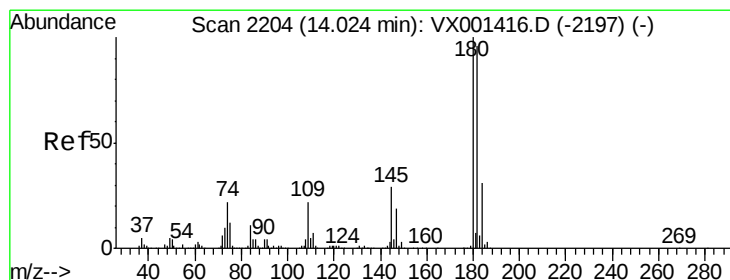
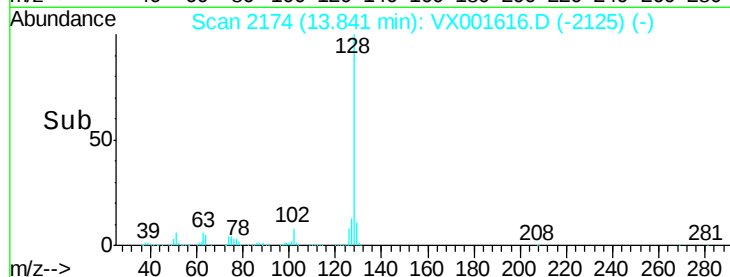
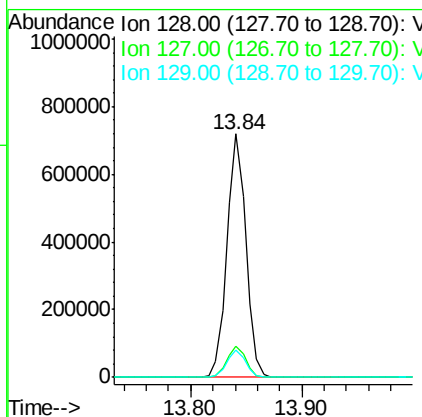
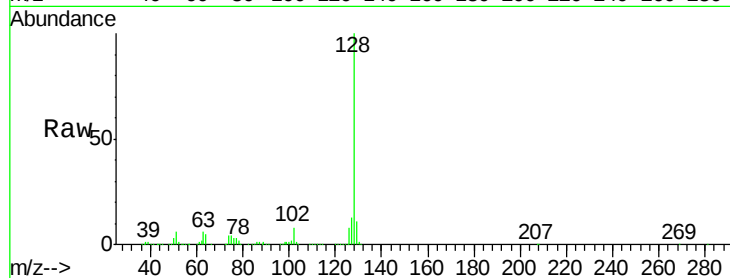
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	843033
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.41 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001616.D

Acq: 10 May 2018 21:42

Tgt Ion:	180	Resp:	299553
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.2
145	28.6	14.1	42.4

