

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001113.D
 Acq On : 25 Apr 2018 10:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Sohil
 4/27/2018 1:46:36 AM

Quant Time: Apr 26 04:30:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	133735	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
35) Dibromofluoromethane	5.51	113	110695	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	8.72	98	392904	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	
62) 4-Bromofluorobenzene	11.14	95	165319	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	139839	47.23	ug/l	99
3) Chloromethane	1.32	50	120206	43.60	ug/l	99
4) Vinyl Chloride	1.41	62	125762	44.01	ug/l	99
5) Bromomethane	1.64	94	83053	50.61	ug/l	100
6) Chloroethane	1.73	64	75392	44.40	ug/l	98
7) Trichlorofluoromethane	1.93	101	203492	47.40	ug/l	99
8) Diethyl Ether	2.19	74	69911	44.09	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118827	47.24	ug/l	99
10) Methyl Iodide	2.51	142	101405	42.24	ug/l	99
11) Tert butyl alcohol	3.07	59	120992	265.12	ug/l	99
12) 1,1-Dichloroethene	2.38	96	101942	43.83	ug/l	98
13) Acrolein	2.30	56	39651	277.62	ug/l	99
14) Allyl chloride	2.73	41	190484	45.25	ug/l	96
15) Acrylonitrile	3.15	53	282353	228.61	ug/l	99
16) Acetone	2.45	43	302270	265.27	ug/l	98
17) Carbon Disulfide	2.57	76	259408	39.13	ug/l	100
18) Methyl Acetate	2.78	43	185703	53.86	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	363238	46.45	ug/l	100
20) Methylene Chloride	2.86	84	113230	47.06	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	109500	42.29	ug/l	98
22) Diisopropyl ether	3.87	45	367722	45.13	ug/l	94
23) Vinyl Acetate	3.83	43	1519040	225.18	ug/l	100
24) 1,1-Dichloroethane	3.70	63	203857	44.60	ug/l	99
25) 2-Butanone	4.71	43	426360	239.69	ug/l	100
26) 2,2-Dichloropropane	4.59	77	176771	44.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	126612	43.90	ug/l	100
28) Bromochloromethane	5.03	49	81681	46.47	ug/l	97
29) Tetrahydrofuran	5.17	42	258342	229.83	ug/l	99
30) Chloroform	5.22	83	218415	46.14	ug/l	99
31) Cyclohexane	5.59	56	181486	42.54	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	194729	45.88	ug/l	99
36) 1,1-Dichloropropene	5.81	75	161409	43.65	ug/l	100
37) Ethyl Acetate	4.87	43	157830	46.53	ug/l	99
38) Carbon Tetrachloride	5.79	117	172594	46.09	ug/l	100

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001113.D
 Acq On : 25 Apr 2018 10:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Sohil
 4/27/2018 1:46:36 AM

Quant Time: Apr 26 04:30:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	198388	46.09	ug/l	99
40) Benzene	6.15	78	466625	45.39	ug/l	98
41) Methacrylonitrile	5.07	41	94497	44.61	ug/l	99
42) 1,2-Dichloroethane	6.20	62	181945	46.10	ug/l	100
43) Isopropyl Acetate	6.47	43	272947	46.90	ug/l	99
44) Trichloroethene	7.22	130	138318	44.03	ug/l	99
45) 1,2-Dichloropropane	7.52	63	119691	46.30	ug/l	100
46) Dibromomethane	7.67	93	83410	46.18	ug/l	97
47) Bromodichloromethane	7.90	83	159631	47.70	ug/l	98
48) Methyl methacrylate	7.78	41	148539	47.40	ug/l	96
49) 1,4-Dioxane	7.76	88	53182	1154.06	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	875886	247.87	ug/l	99
52) Toluene	8.79	92	308165	45.92	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	191804	47.93	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	180816	47.91	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	125639	47.11	ug/l	99
56) Ethyl methacrylate	9.19	69	188173	48.03	ug/l	98
57) 1,3-Dichloropropane	9.38	76	205948	46.61	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	457639	239.36	ug/l	99
59) 2-Hexanone	9.50	43	684404	253.04	ug/l	98
60) Dibromochloromethane	9.59	129	137624	49.13	ug/l	99
61) 1,2-Dibromoethane	9.68	107	134016	47.61	ug/l	99
64) Tetrachloroethene	9.34	164	145526	45.37	ug/l	97
65) Chlorobenzene	10.14	112	364789	45.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	134282	48.65	ug/l	99
67) Ethyl Benzene	10.26	91	615780	46.11	ug/l	100
68) m/p-Xylenes	10.37	106	486955	92.51	ug/l	98
69) o-Xylene	10.70	106	235788	46.46	ug/l	99
70) Styrene	10.72	104	395369	47.31	ug/l	99
71) Bromoform	10.86	173	111059	43.59	ug/l	99
73) Isopropylbenzene	11.02	105	651868	46.99	ug/l	99
74) N-amyl acetate	6.47	43	272947	45.99	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	189215	48.18	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	154110m	41.86	ug/l	
77) Bromobenzene	11.26	156	182116	45.22	ug/l	99
78) n-propylbenzene	11.37	91	744756	46.76	ug/l	100
79) 2-Chlorotoluene	11.43	91	438206	46.56	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	562971	47.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	49087	41.50	ug/l	95
82) 4-Chlorotoluene	11.52	91	526547	46.30	ug/l	99
83) tert-Butylbenzene	11.77	119	573328	48.33	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	578536	47.80	ug/l	99
85) sec-Butylbenzene	11.95	105	685774	48.43	ug/l	100
86) p-Isopropyltoluene	12.07	119	637243	48.65	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	339760	45.07	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	349756	45.20	ug/l	99
89) n-Butylbenzene	12.40	91	562582	48.27	ug/l	100
90) Hexachloroethane	12.60	117	93502	50.37	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	339811	46.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	42286	51.40	ug/l	95

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
Data File : VX001113.D
Acq On : 25 Apr 2018 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM

Quant Time: Apr 26 04:30:58 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	278626	45.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	145020	52.31	ug/l	99
95) Naphthalene	13.84	128	721446	47.88	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	275671	46.52	ug/l	100

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

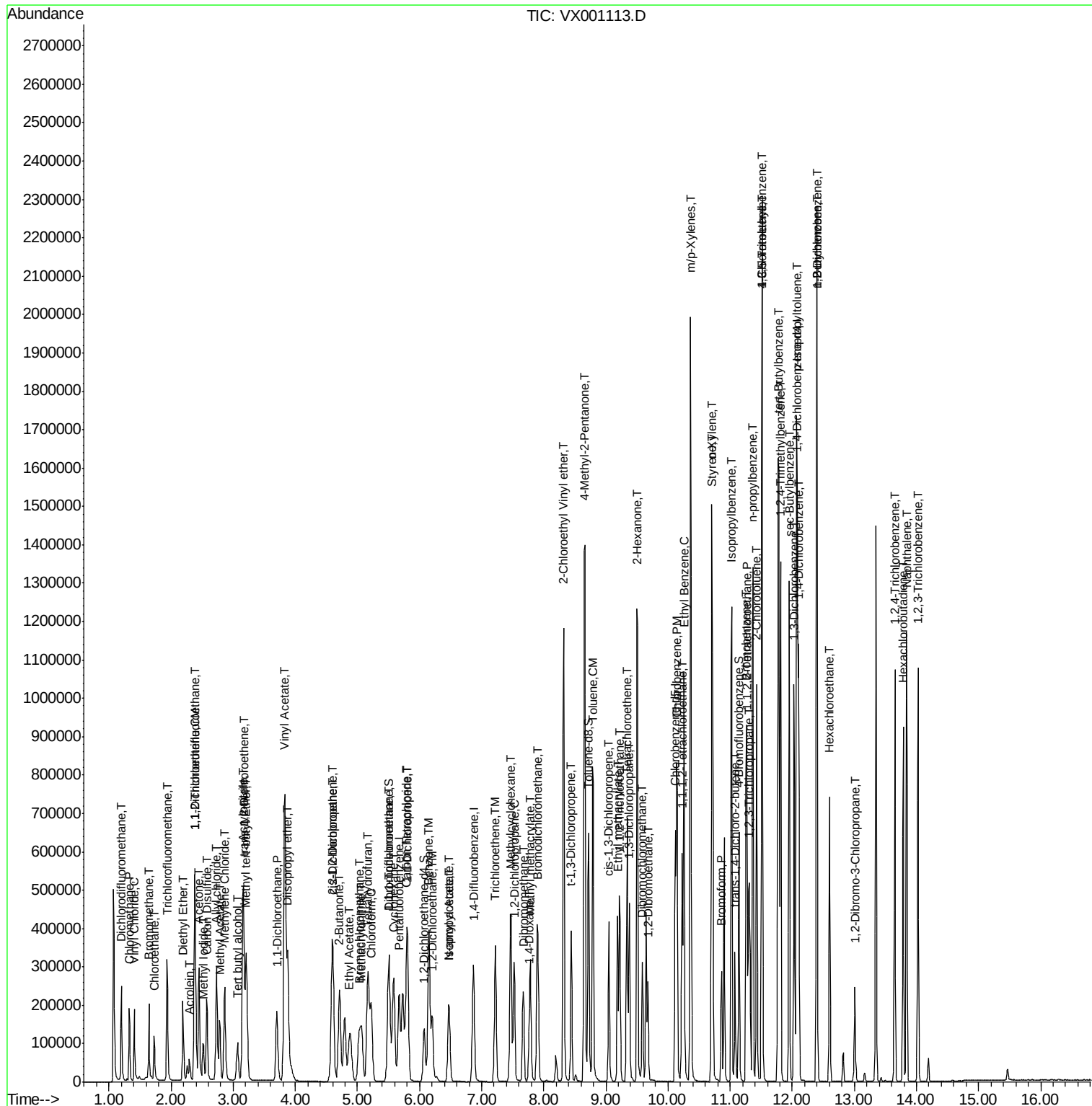
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001113.D
 Acq On : 25 Apr 2018 10:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

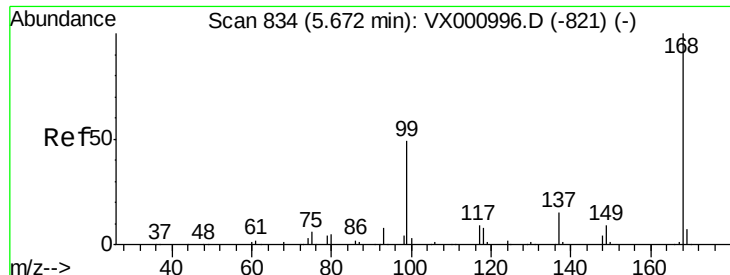
Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDCCC050

Manual Integrations
 APPROVED

Sohil
 4/27/2018 1:46:36 AM

Quant Time: Apr 26 04:30:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration





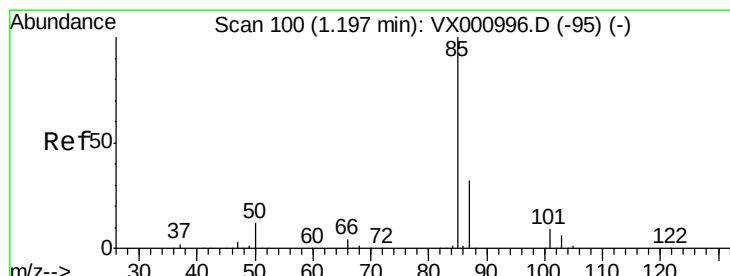
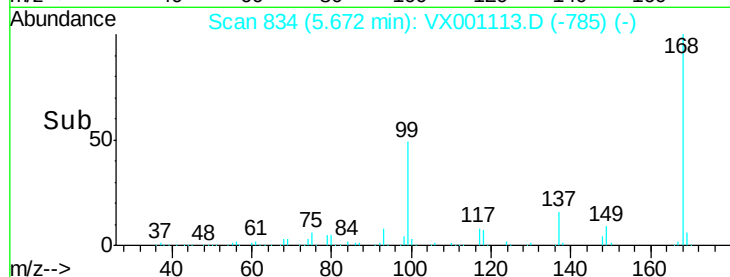
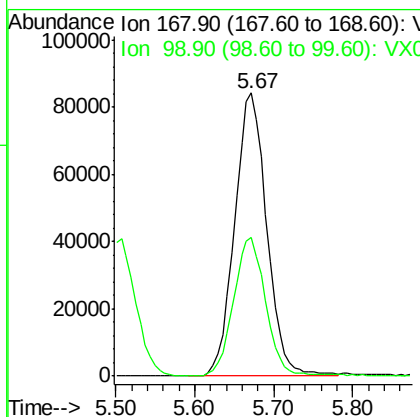
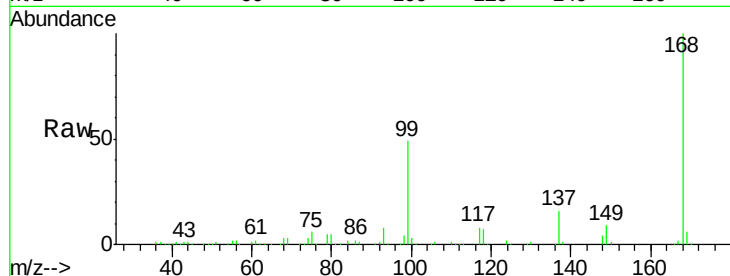
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	238720		
99	49.1	39.2	58.8	

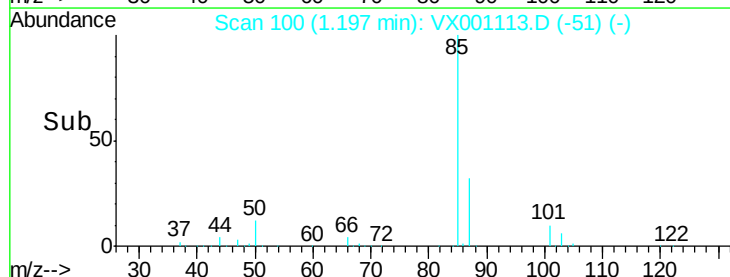
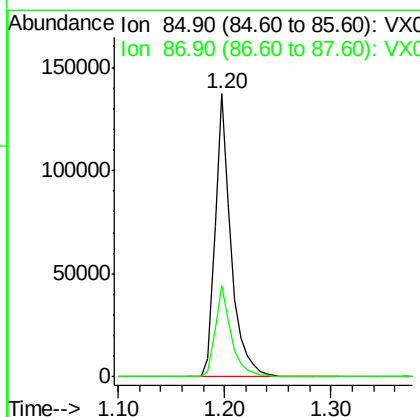
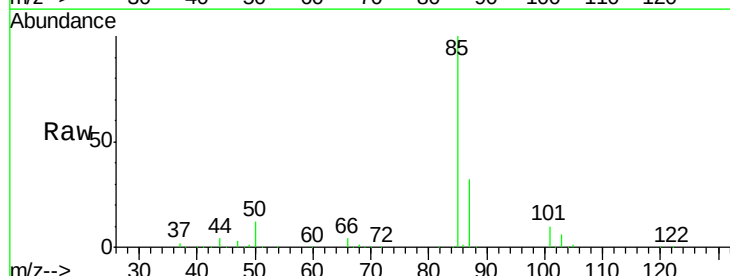
Manual Integrations
APPROVED

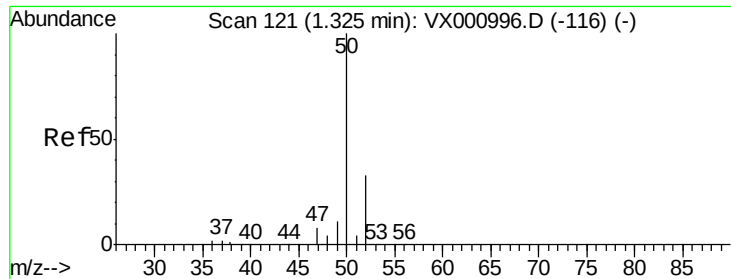
Sohil
4/27/2018 1:46:36 AM



#2
Dichlorodifluoromethane
Concen: 47.23 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	139839		
87	32.3	15.8	47.4	





#3

Chloromethane

Concen: 43.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 120206

Ion Ratio Lower Upper

50 100

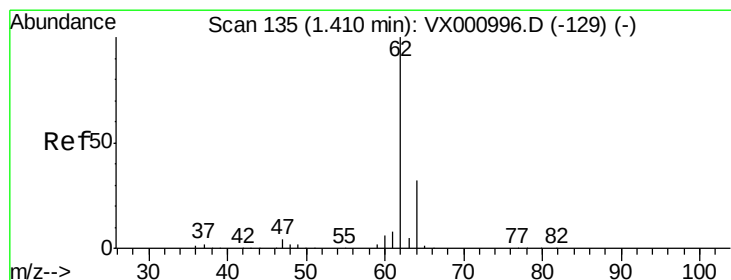
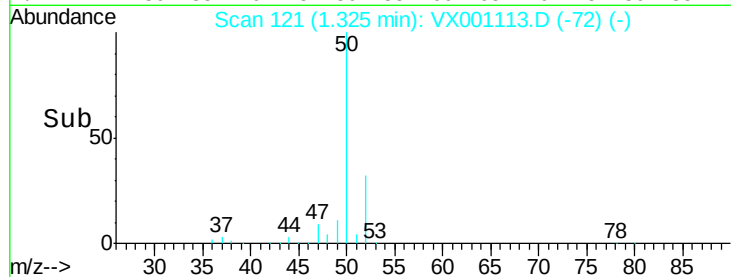
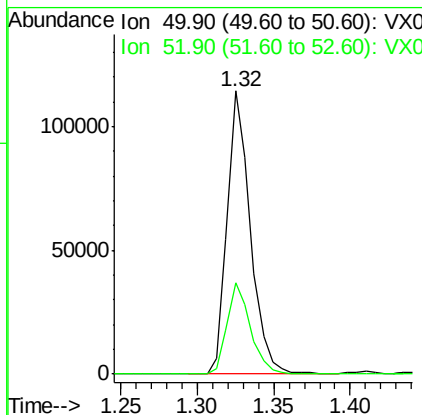
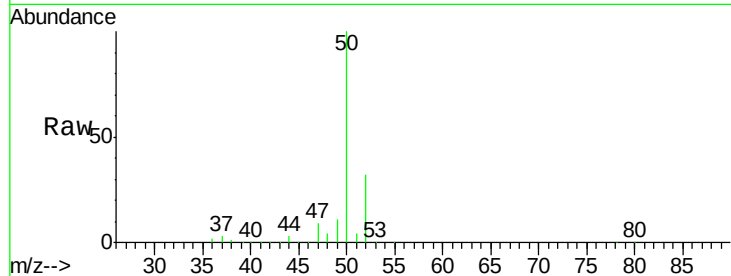
52 32.4 26.3 39.5

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



#4

Vinyl Chloride

Concen: 44.01 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001113.D

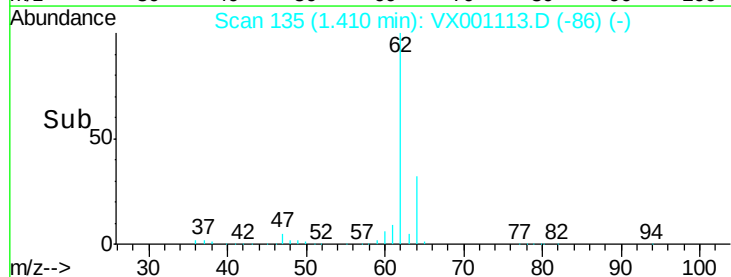
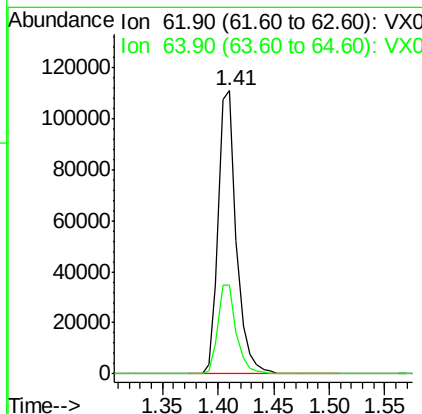
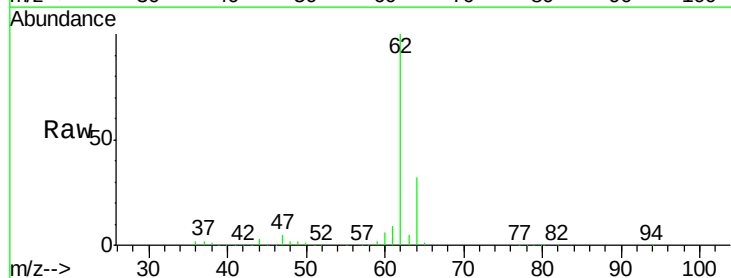
Acq: 25 Apr 2018 10:50

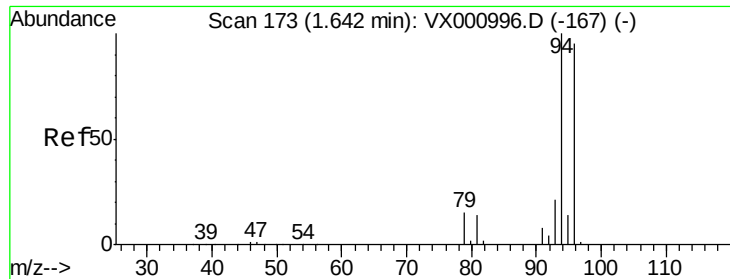
Tgt Ion: 62 Resp: 125762

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 50.61 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83053

Ion Ratio Lower Upper

94 100

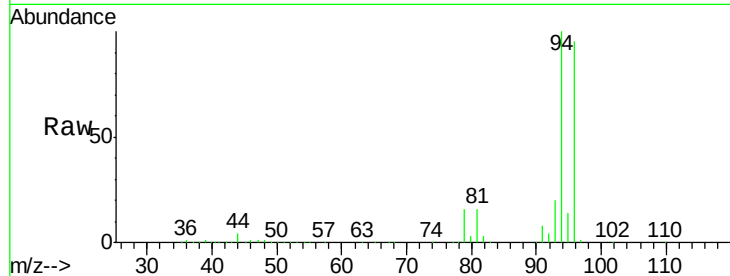
96 95.0 76.0 114.0

Manual Integrations

APPROVED

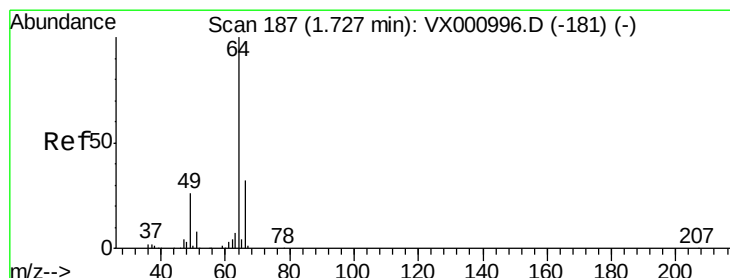
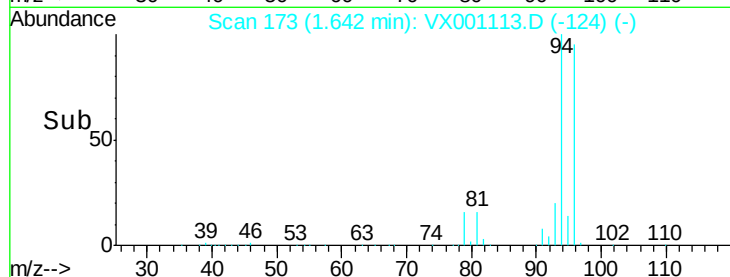
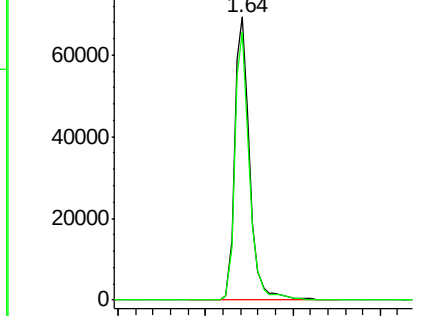
Sohil

4/27/2018 1:46:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.40 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001113.D

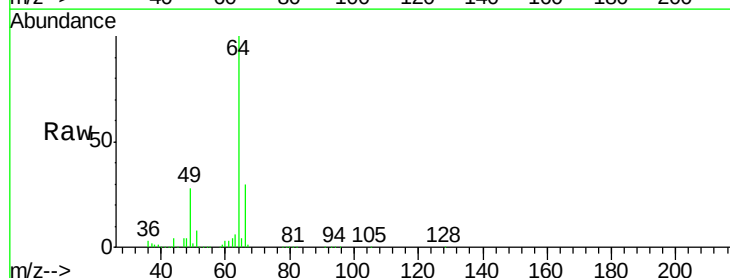
Acq: 25 Apr 2018 10:50

Tgt Ion: 64 Resp: 75392

Ion Ratio Lower Upper

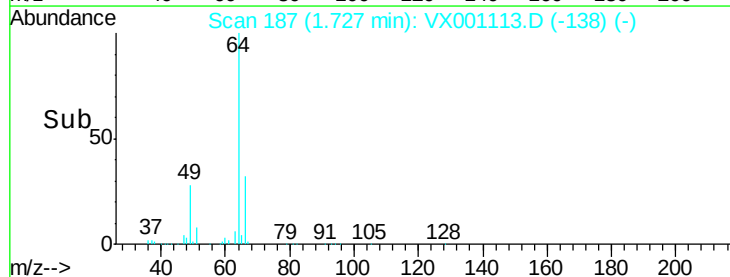
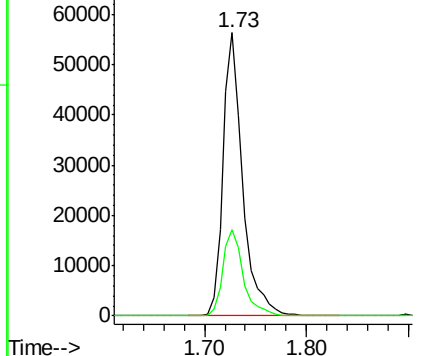
64 100

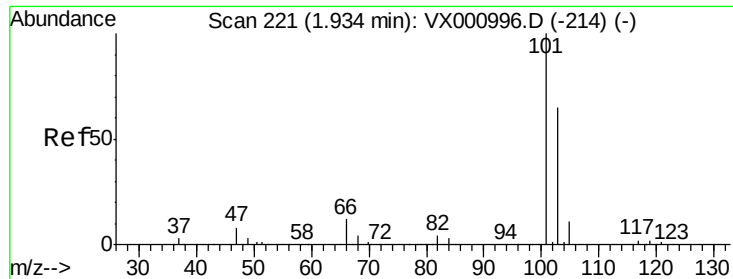
66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

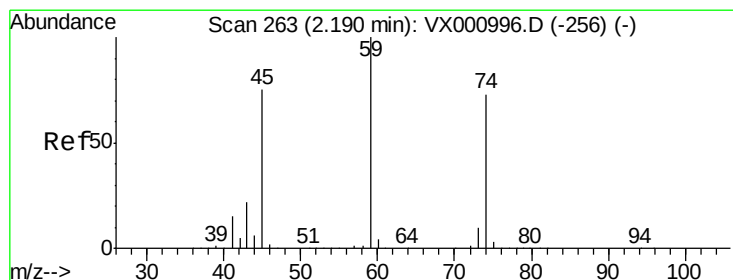
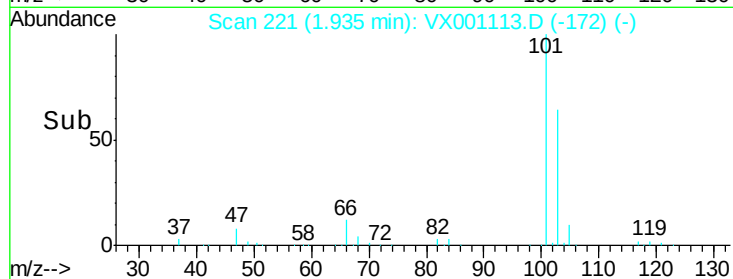
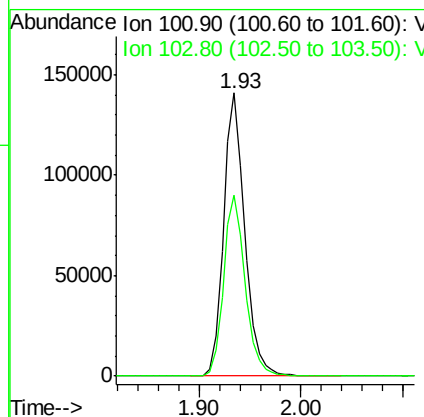
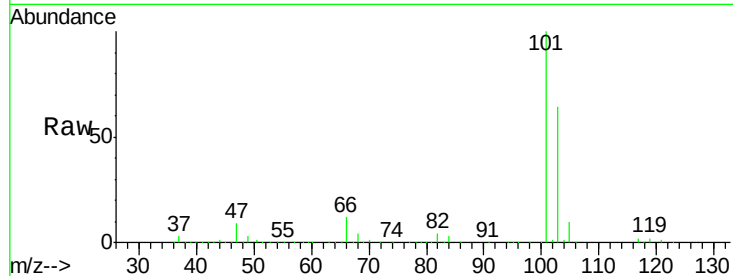
Trichlorofluoromethane
 Concen: 47.40 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.8	77.8

Manual Integrations
 APPROVED

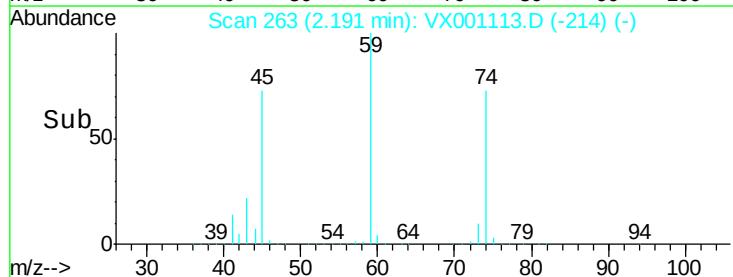
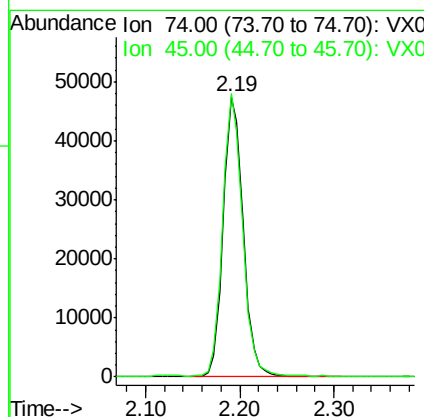
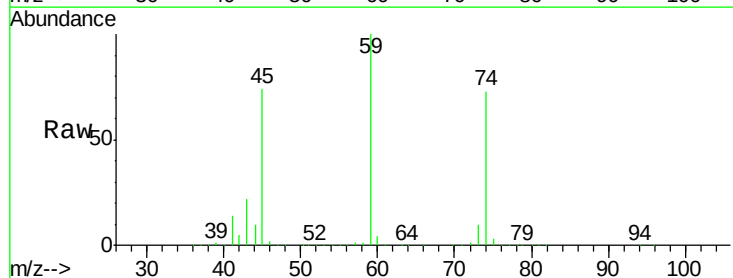
Sohil
 4/27/2018 1:46:36 AM

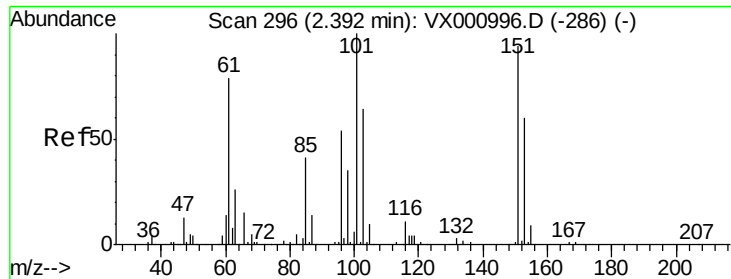


#8

Diethyl Ether
 Concen: 44.09 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.24 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

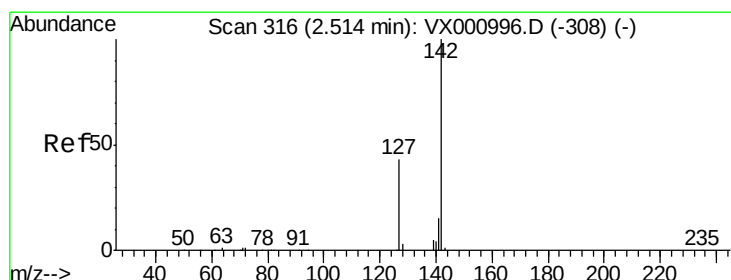
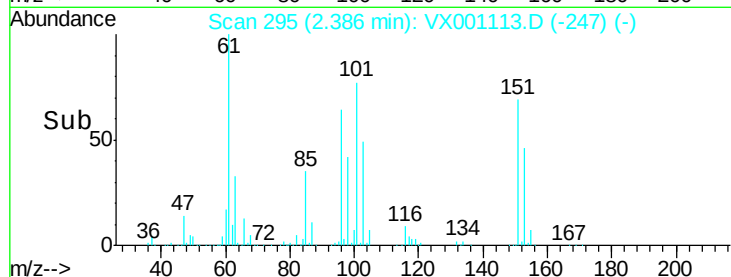
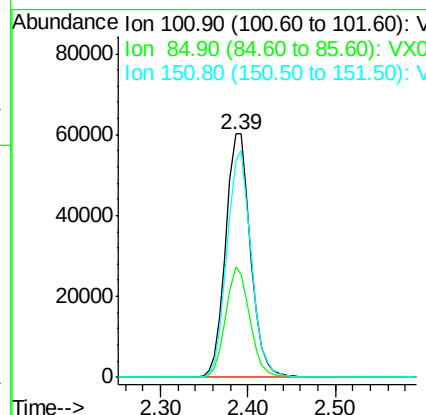
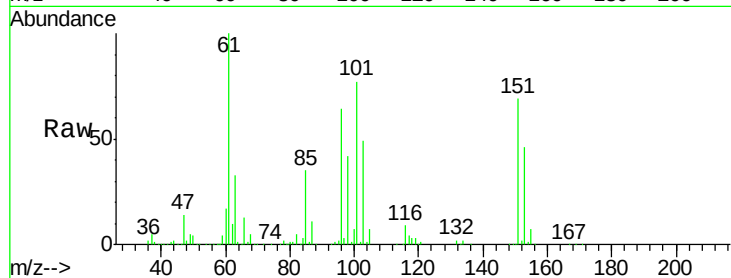
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	118827
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.9	50.9
151	90.8	73.5	110.3

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#10

Methyl Iodide

Concen: 42.24 ug/l

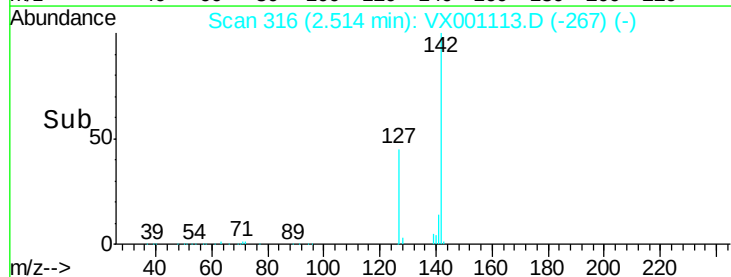
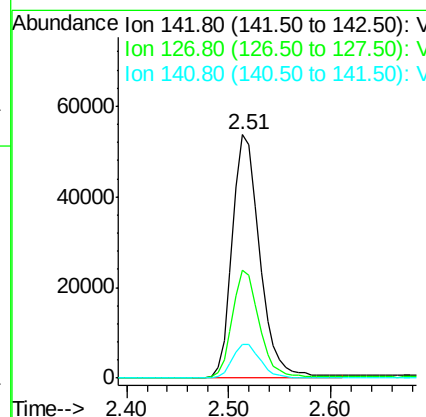
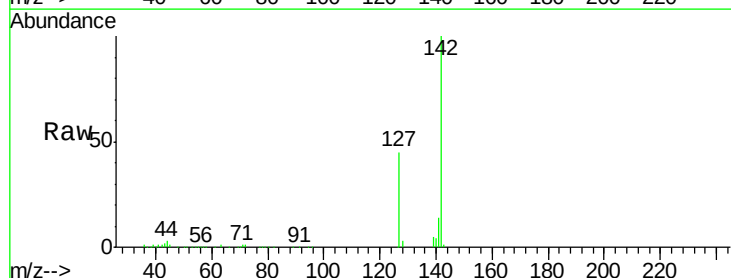
RT: 2.51 min Scan# 316

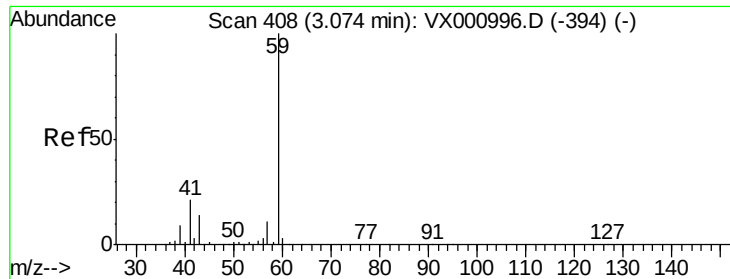
Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion:	142	Resp:	101405
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.0	51.0
141	14.2	11.4	17.2





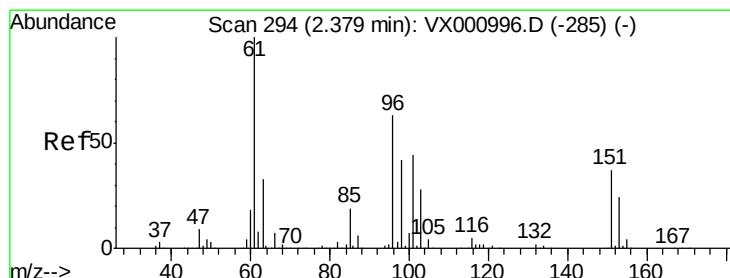
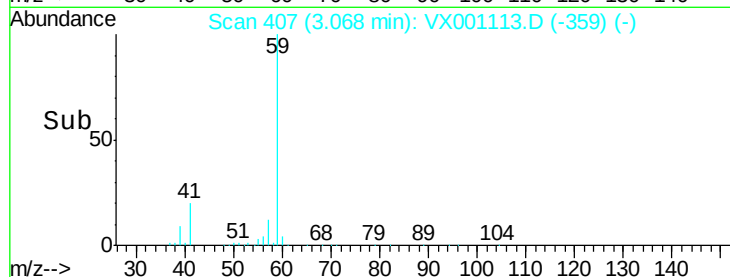
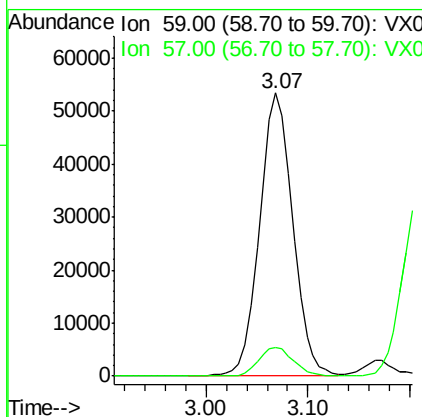
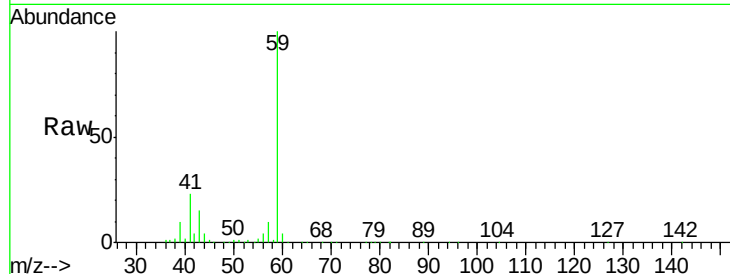
#11
Tert butyl alcohol
Concen: 265.12 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

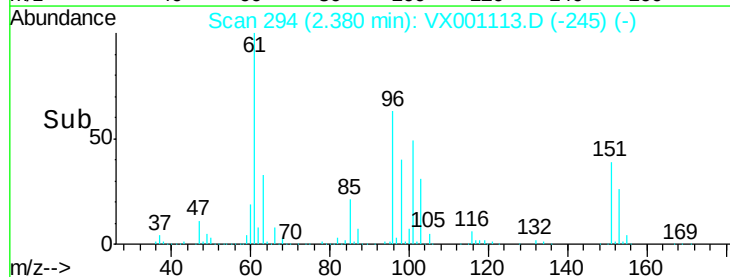
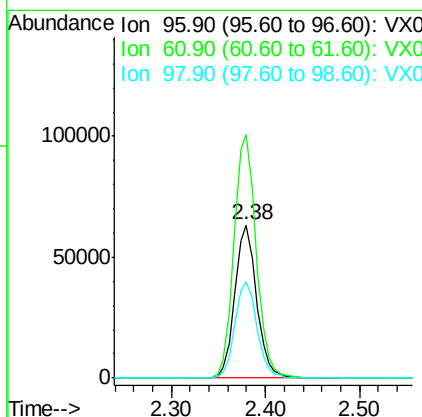
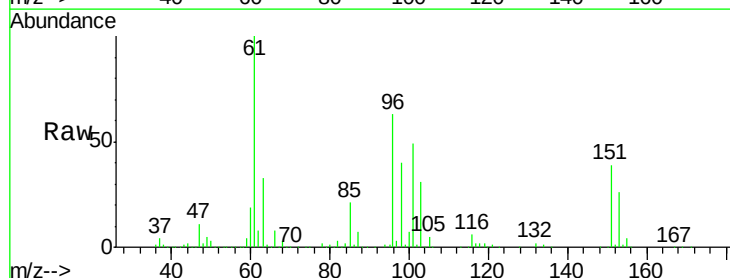
Manual Integrations
APPROVED

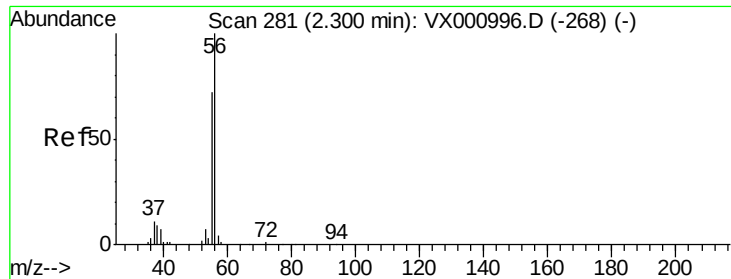
Sohil
4/27/2018 1:46:36 AM



#12
1,1-Dichloroethene
Concen: 43.83 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	126.4	189.6
98	63.0	52.6	78.8





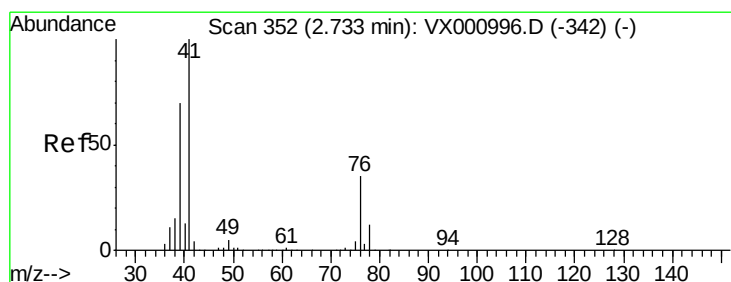
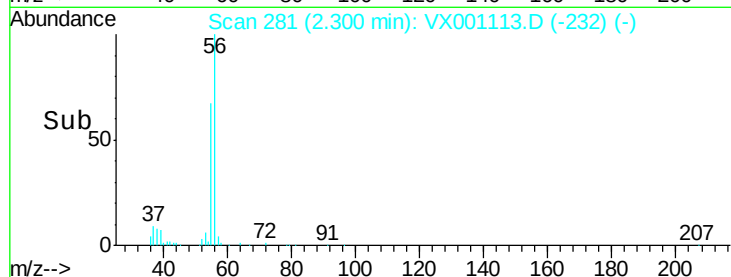
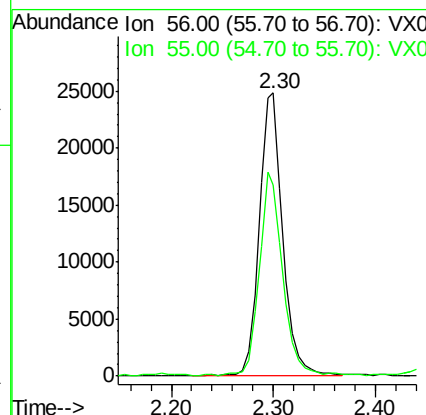
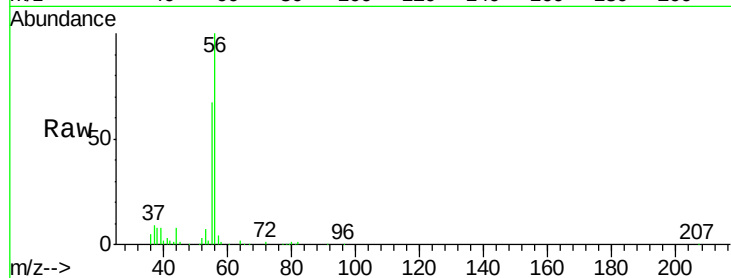
#13
Acrolein
Concen: 277.62 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	39651
Ion Ratio	100	Lower	Upper
56	100		
55	72.5	57.4	86.2

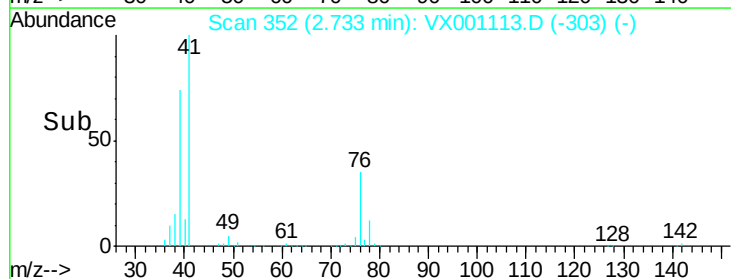
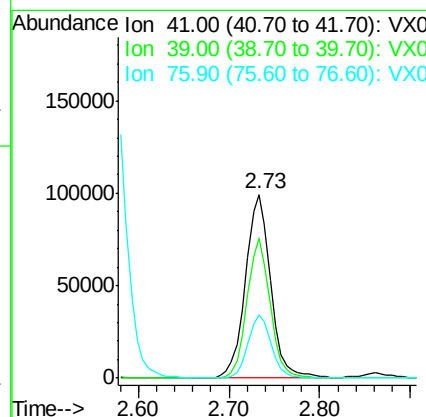
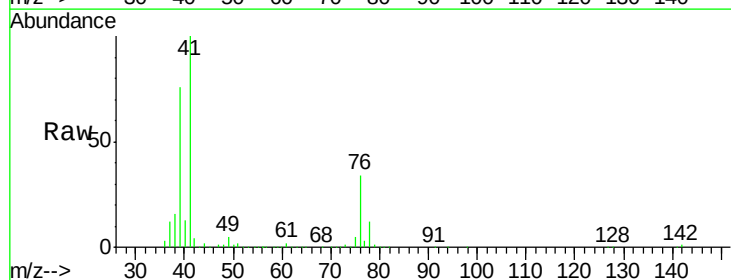
Manual Integrations
APPROVED

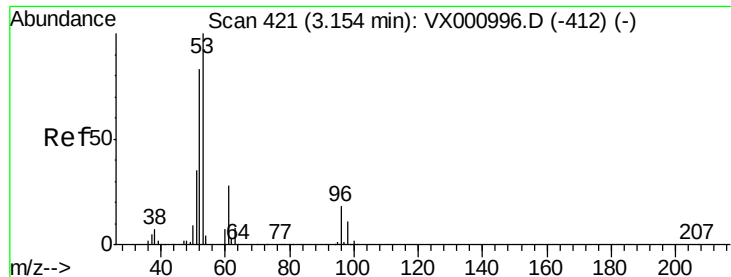
Sohil
4/27/2018 1:46:36 AM



#14
Allyl chloride
Concen: 45.25 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	41	Resp	190484
Ion Ratio	100	Lower	Upper
41	100		
39	70.1	53.0	79.6
76	31.4	25.9	38.9





#15

Acrylonitrile

Concen: 228.61 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

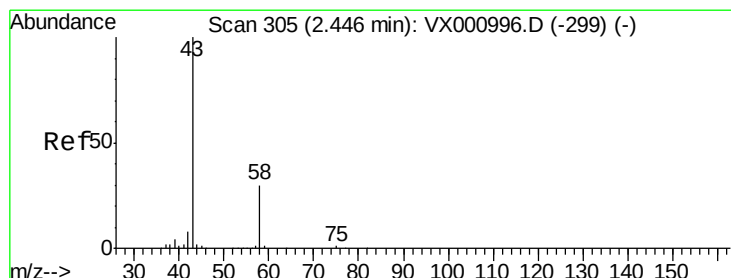
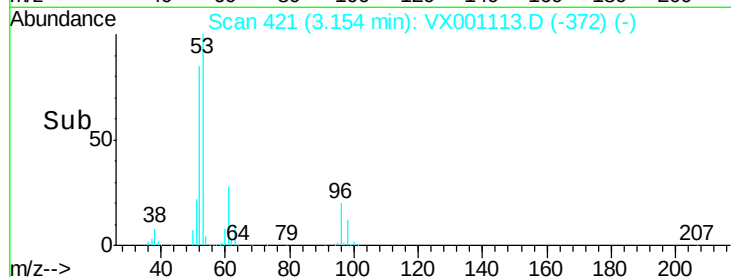
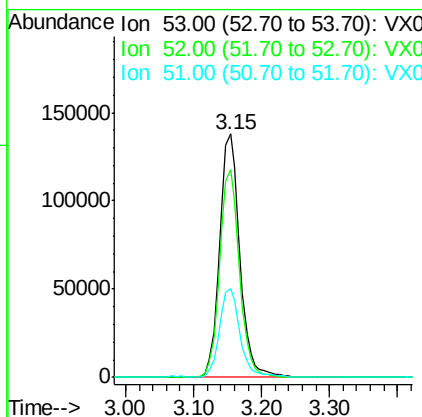
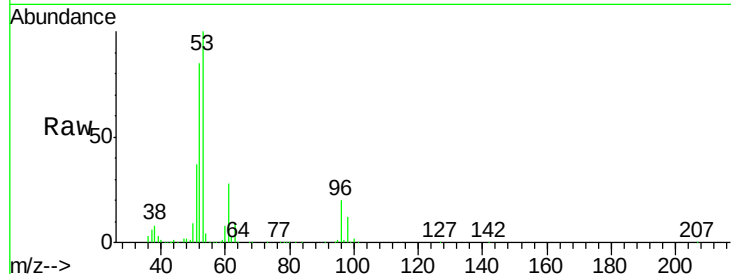
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	282353
Ion Ratio		Lower	Upper
53	100		
52	84.0	66.4	99.6
51	37.3	29.0	43.6

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#16

Acetone

Concen: 265.27 ug/l

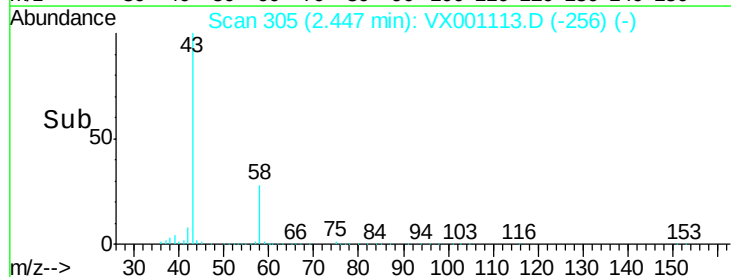
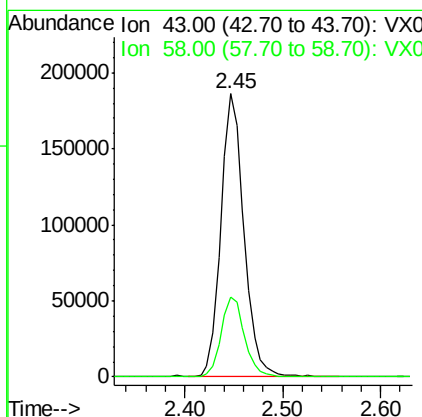
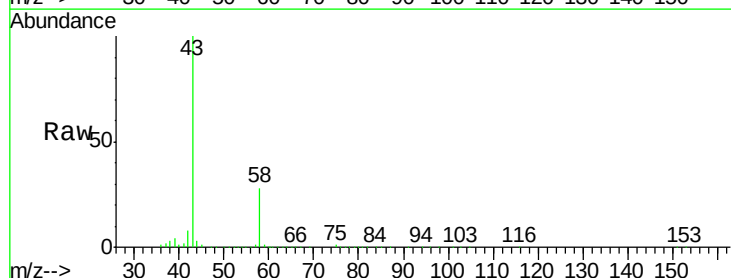
RT: 2.45 min Scan# 305

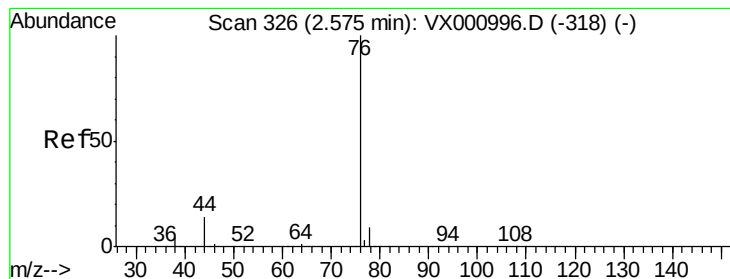
Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion:	43	Resp:	302270
Ion Ratio		Lower	Upper
43	100		
58	28.3	23.7	35.5





#17

Carbon Disulfide

Concen: 39.13 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 259408

Ion Ratio Lower Upper

76 100

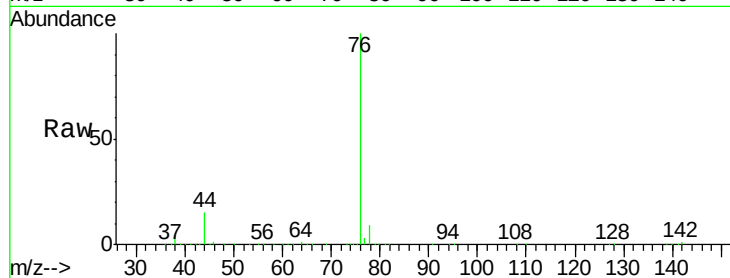
78 9.0 7.3 10.9

Manual Integrations

APPROVED

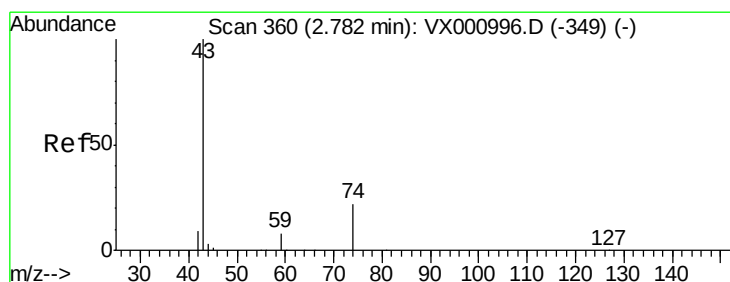
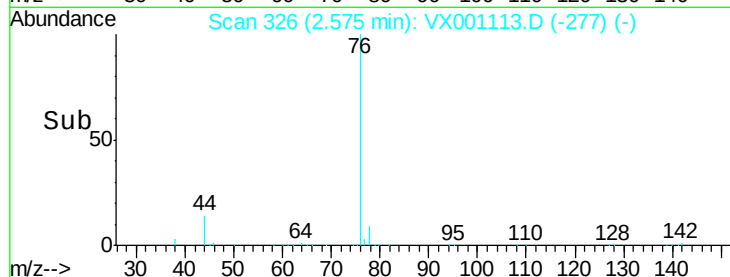
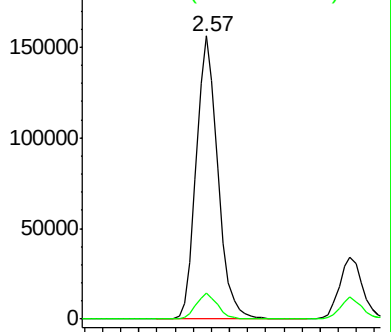
Sohil

4/27/2018 1:46:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.86 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001113.D

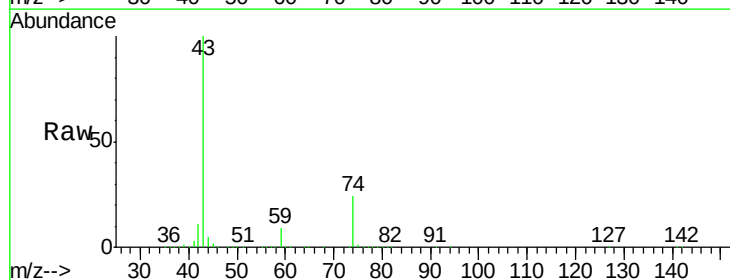
Acq: 25 Apr 2018 10:50

Tgt Ion: 43 Resp: 185703

Ion Ratio Lower Upper

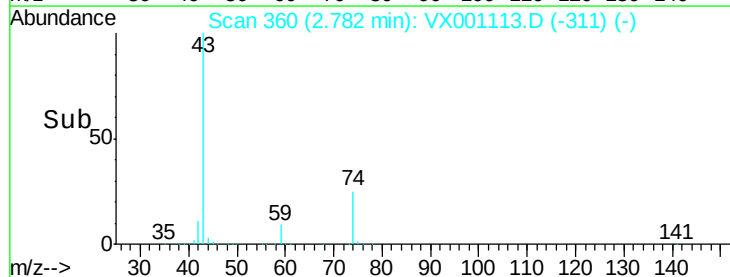
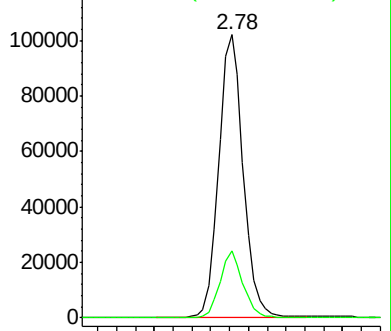
43 100

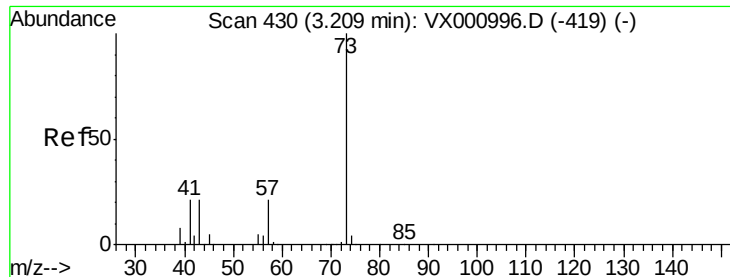
74 22.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





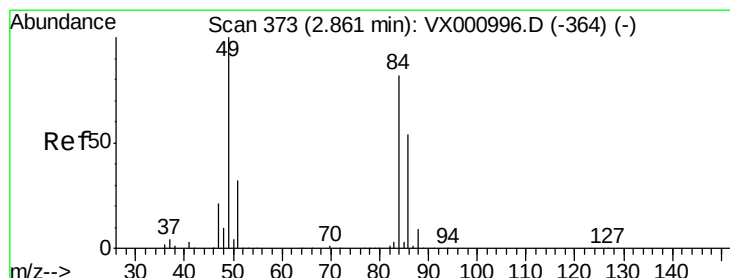
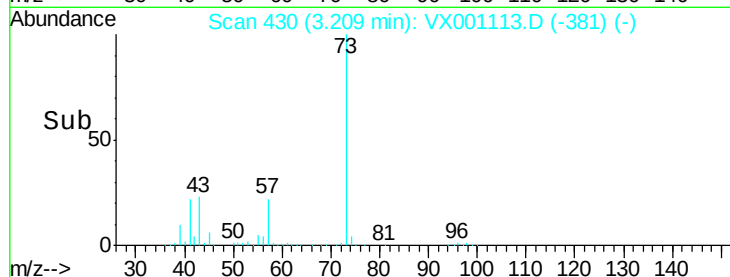
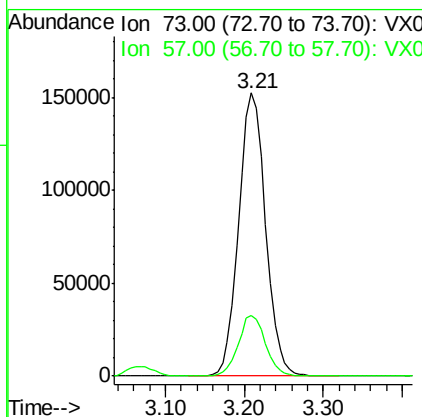
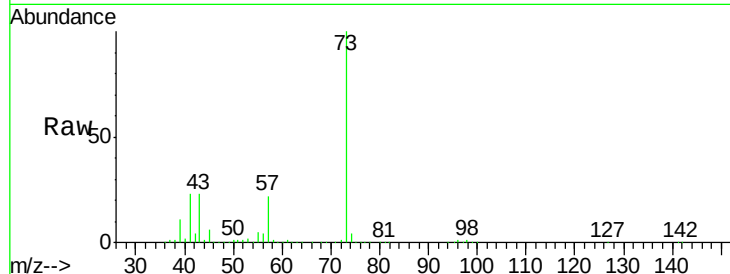
#19
Methyl tert-butyl Ether
Concen: 46.45 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.1	25.7

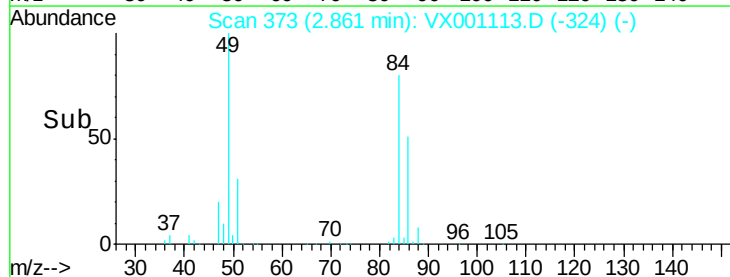
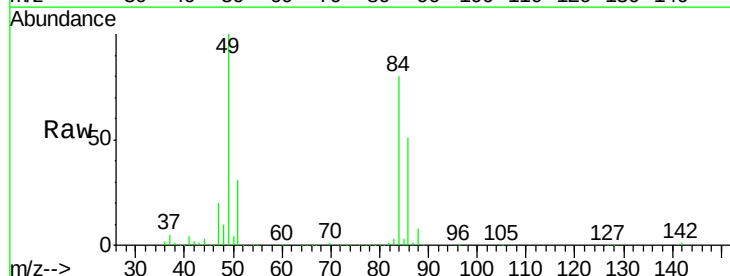
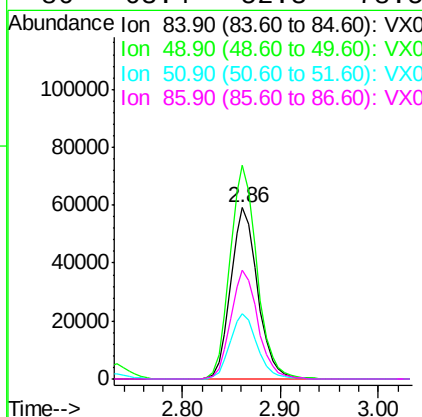
Manual Integrations
APPROVED

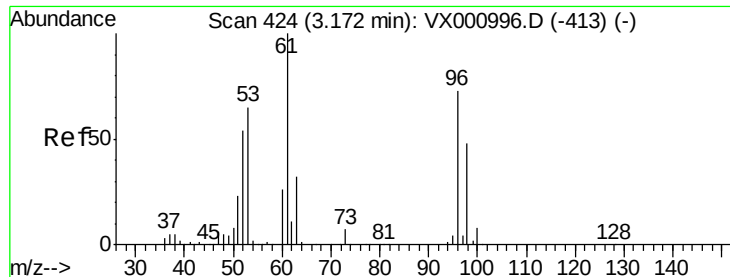
Sohil
4/27/2018 1:46:36 AM



#20
Methylene Chloride
Concen: 47.06 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.7	97.1	145.7
51	38.0	30.8	46.2
86	63.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 42.29 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 109500

Ion Ratio Lower Upper

96 100

61 138.8 109.4 164.2

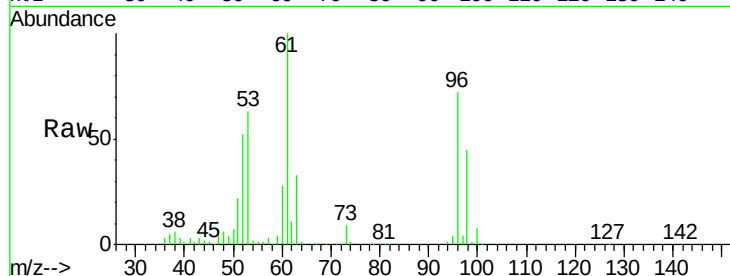
98 63.0 52.6 78.8

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM

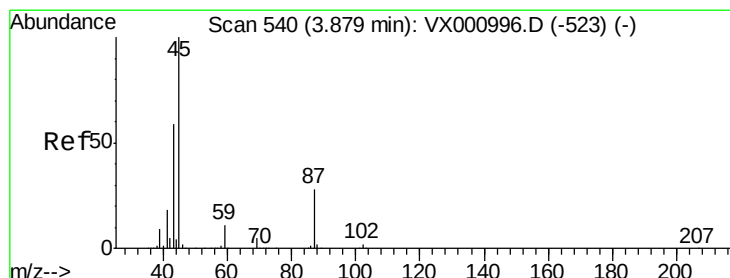
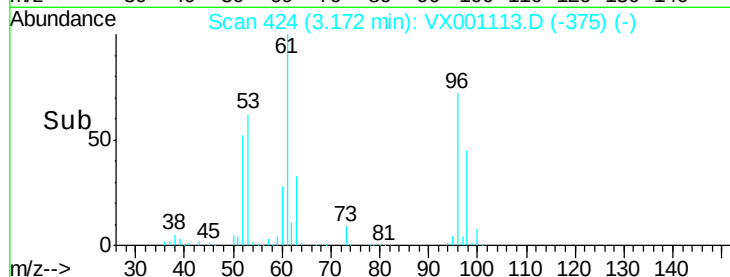
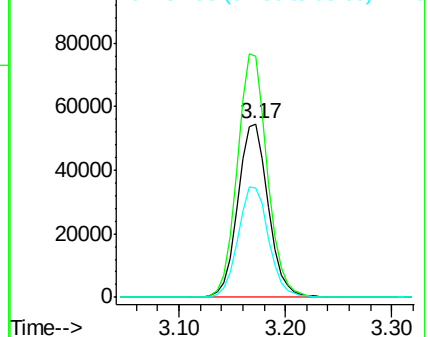


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.13 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion: 45 Resp: 367722

Ion Ratio Lower Upper

45 100

43 65.2 47.0 70.4

87 27.4 22.5 33.7

59 11.6 8.8 13.2

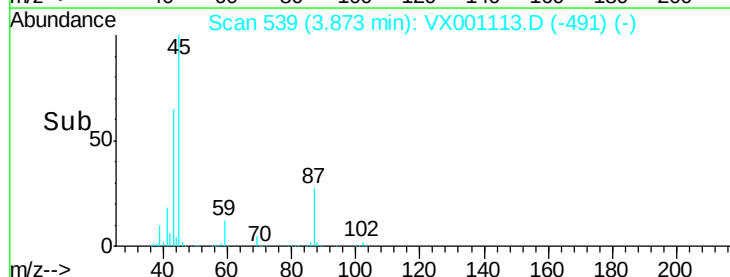
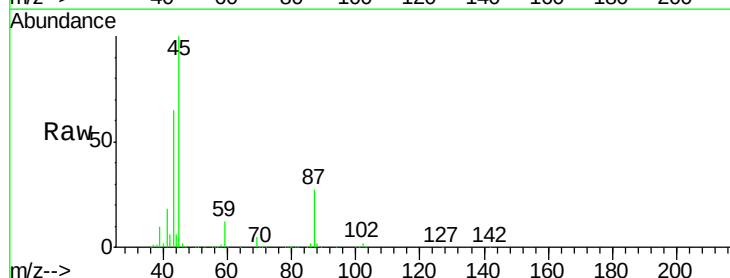
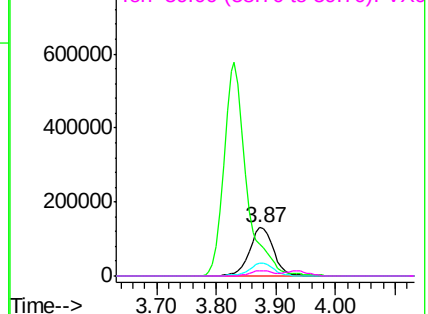
Abundance

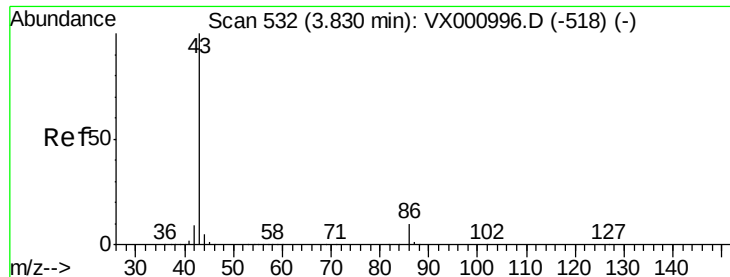
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 225.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1519040

Ion Ratio Lower Upper

43 100

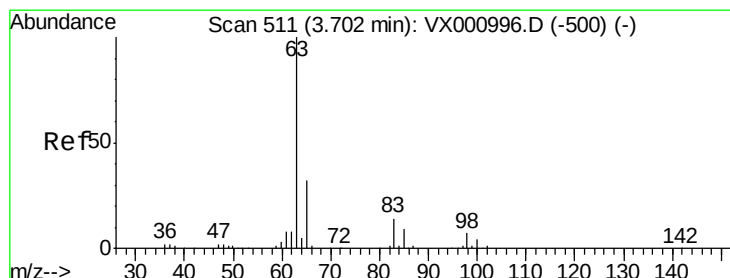
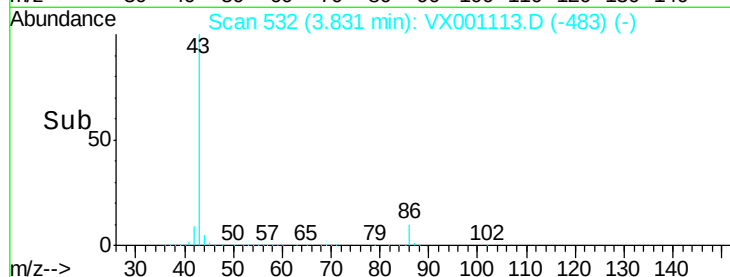
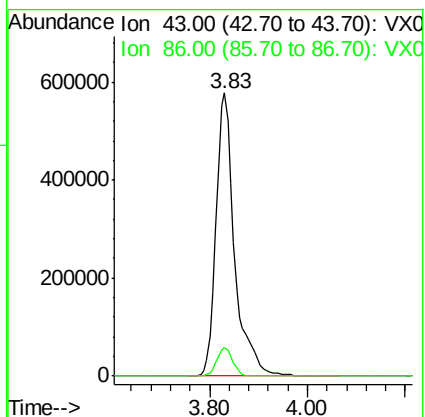
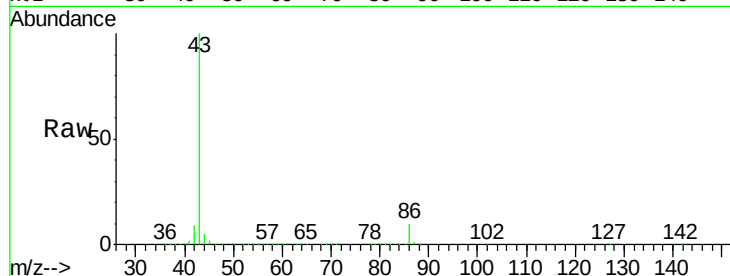
86 10.0 8.1 12.1

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



#24

1,1-Dichloroethane

Concen: 44.60 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

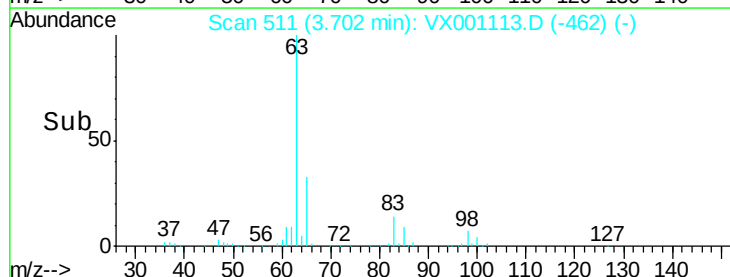
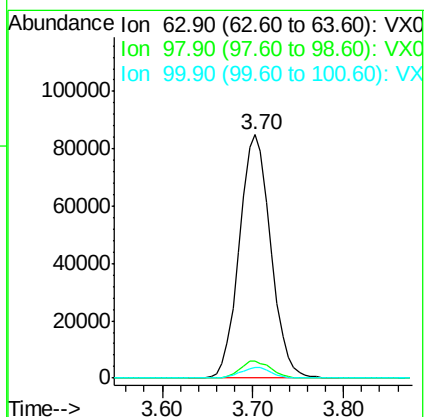
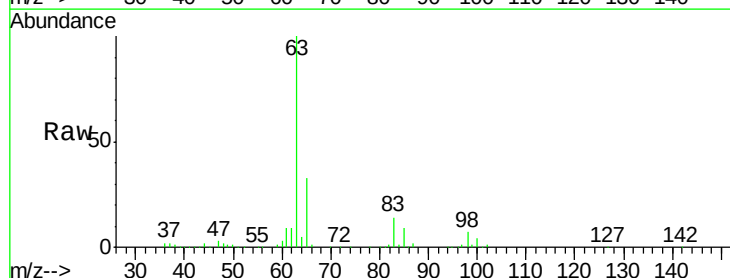
Tgt Ion: 63 Resp: 203857

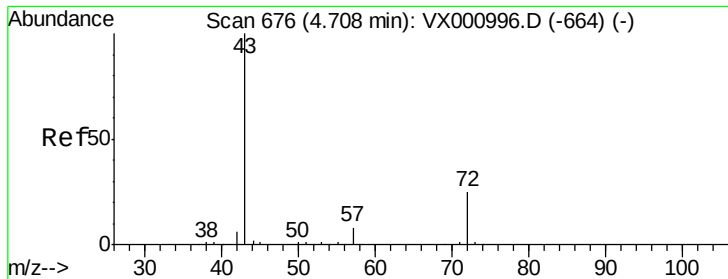
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 239.69 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 426360

Ion Ratio Lower Upper

43 100

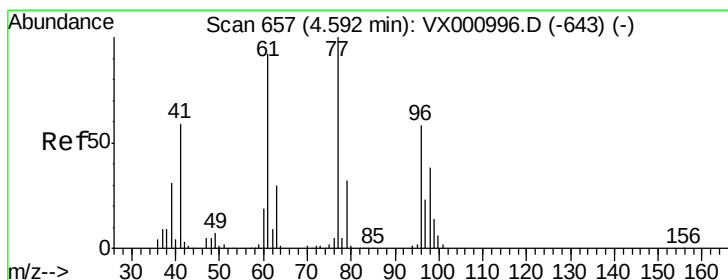
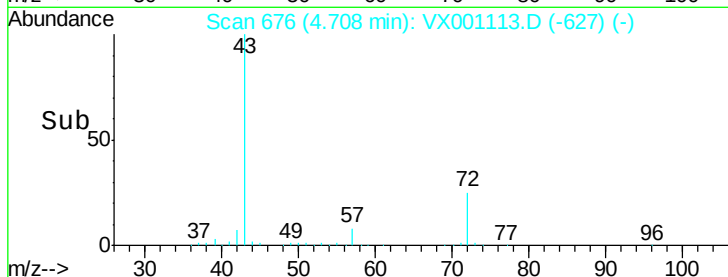
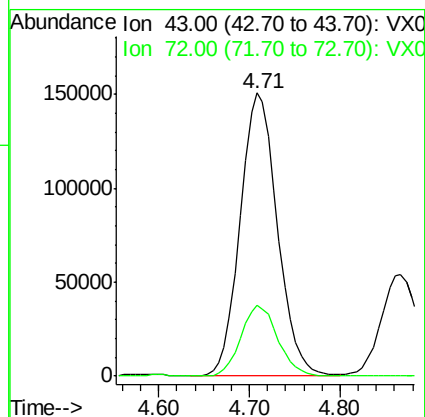
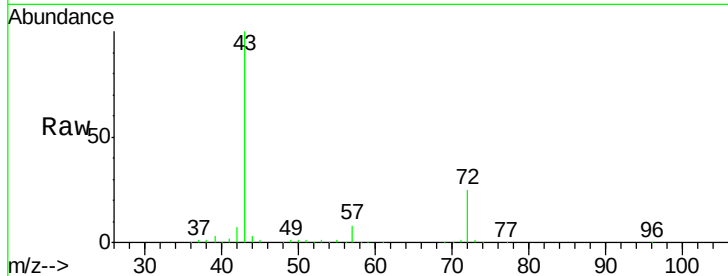
72 24.9 19.9 29.9

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



#26

2,2-Dichloropropane

Concen: 44.96 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001113.D

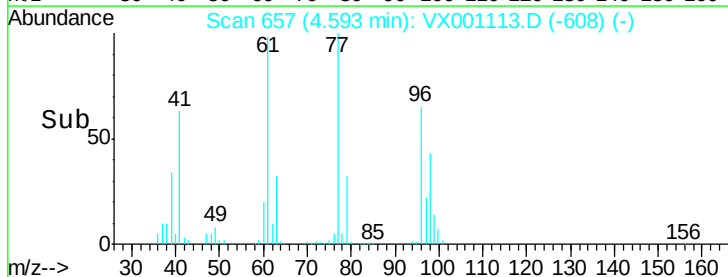
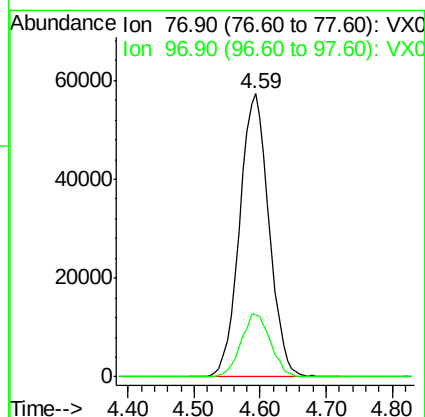
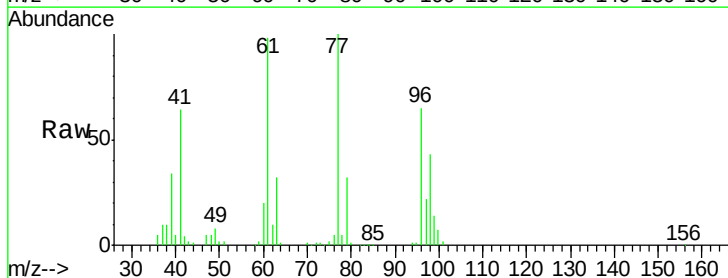
Acq: 25 Apr 2018 10:50

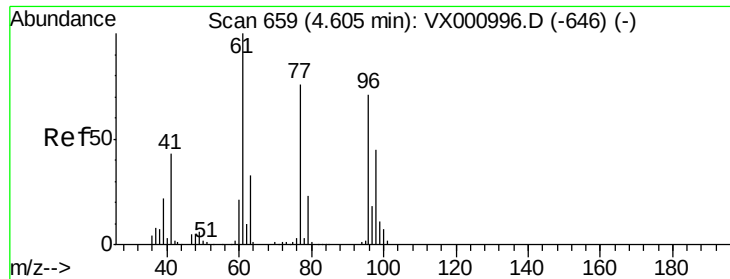
Tgt Ion: 77 Resp: 176771

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

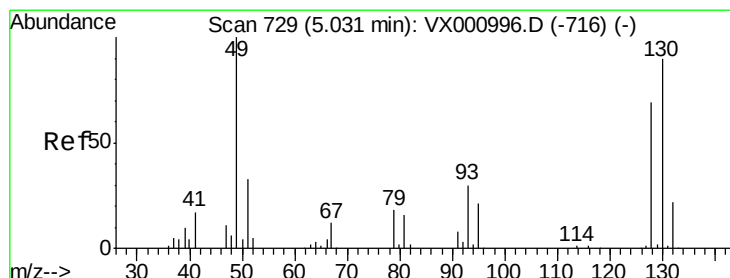
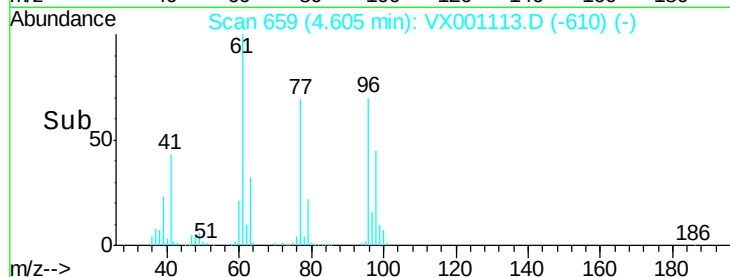
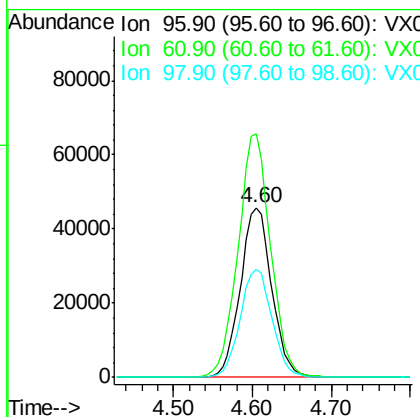
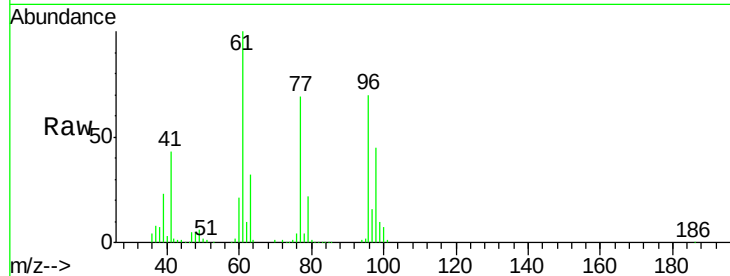
cis-1,2-Dichloroethene
Concen: 43.90 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126612		
61	148.5	0.0	297.0	
98	64.7	0.0	130.0	

Manual Integrations
APPROVED

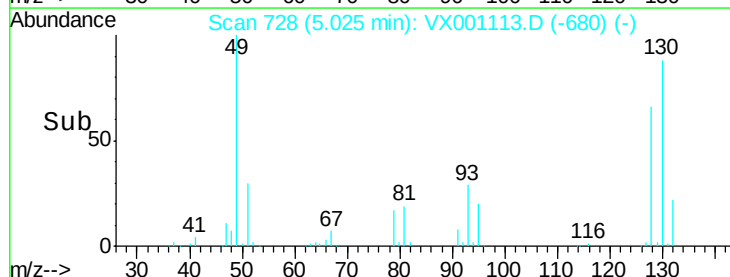
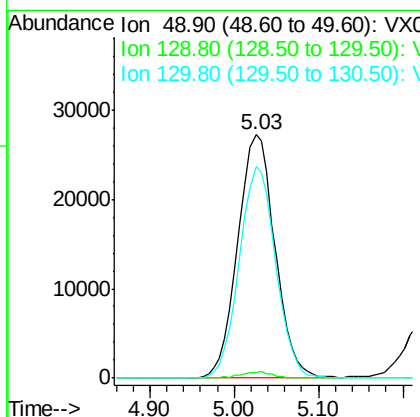
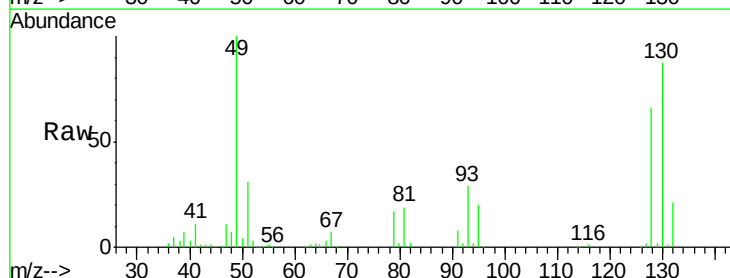
Sohil
4/27/2018 1:46:36 AM

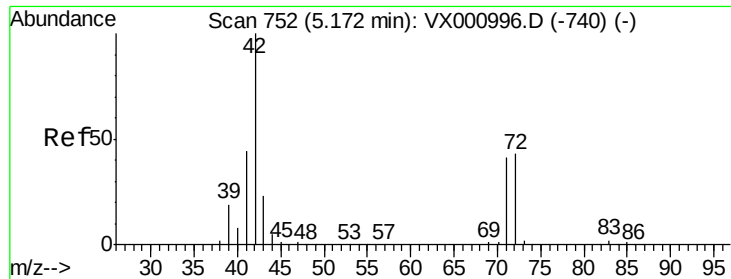


#28

Bromochloromethane
Concen: 46.47 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81681		
129	2.3	0.0	4.8	
130	84.9	70.6	105.8	





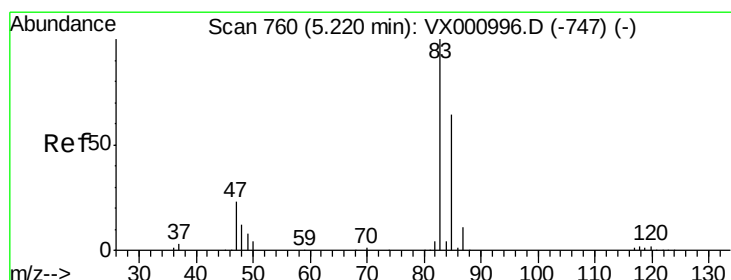
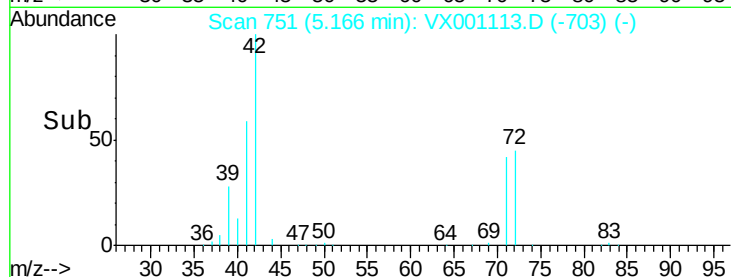
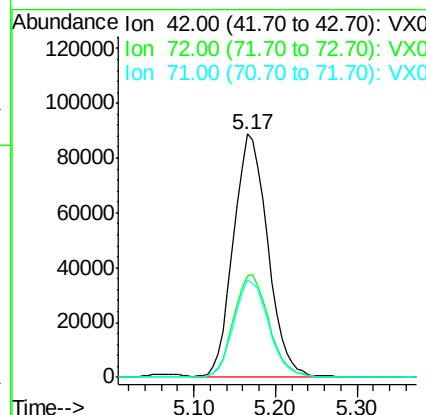
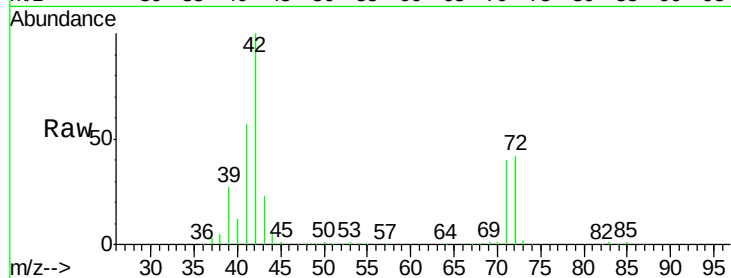
#29
Tetrahydrofuran
Concen: 229.83 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	52.0
71	40.5	32.6	49.0

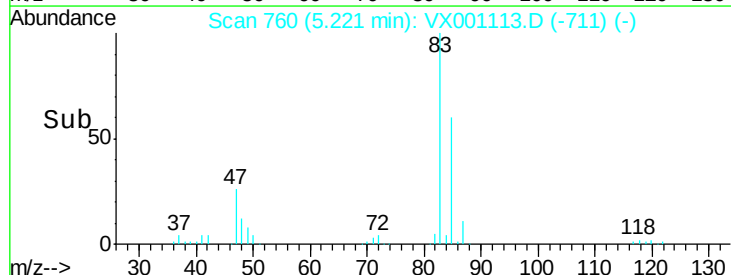
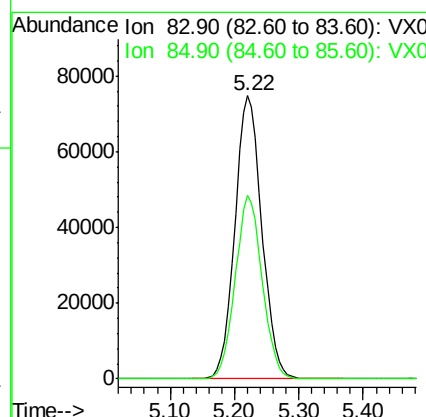
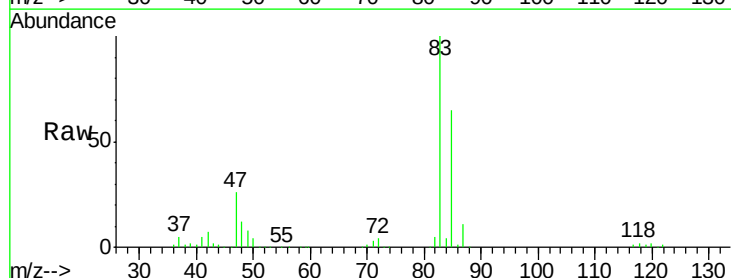
Manual Integrations
APPROVED

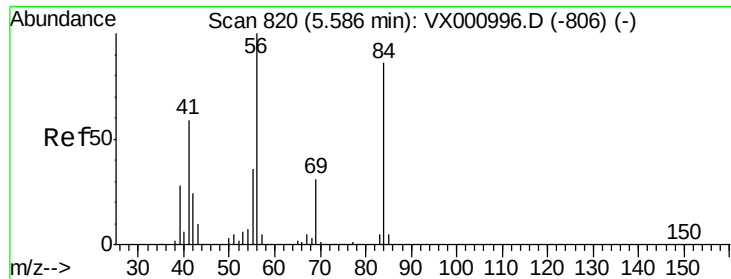
Sohil
4/27/2018 1:46:36 AM



#30
Chloroform
Concen: 46.14 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9





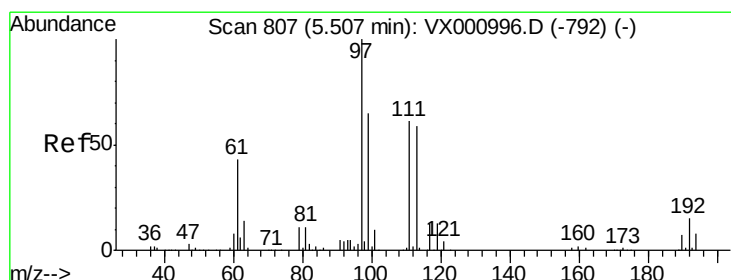
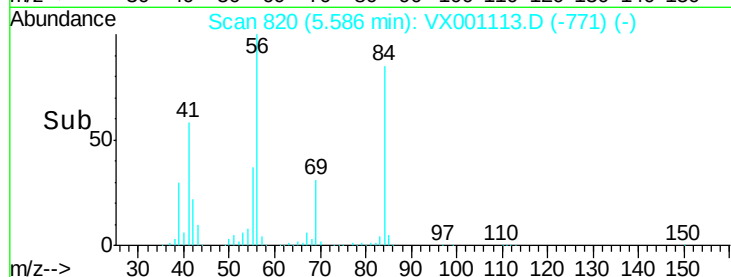
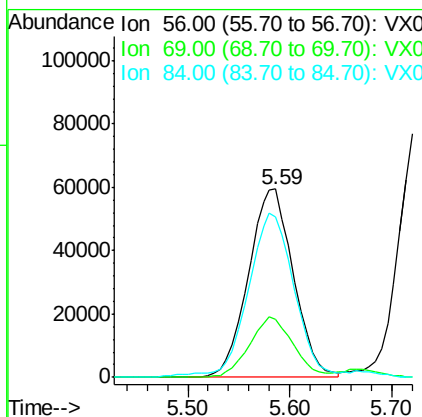
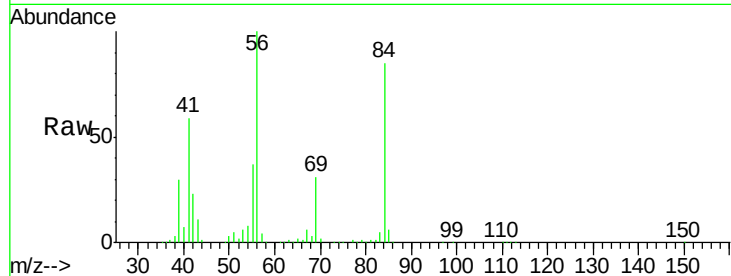
#31
Cyclohexane
Concen: 42.54 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.6	36.8
84	83.4	69.0	103.6

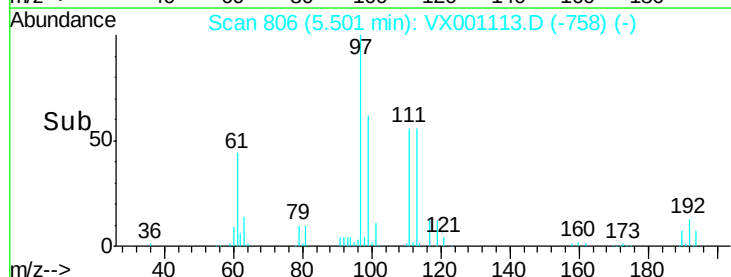
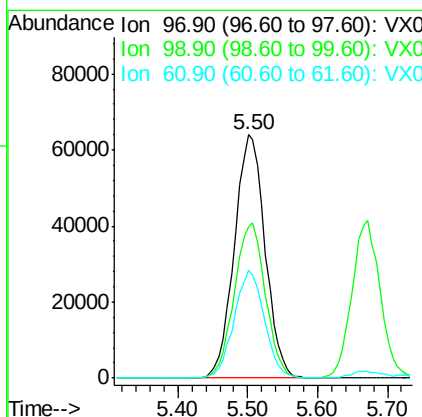
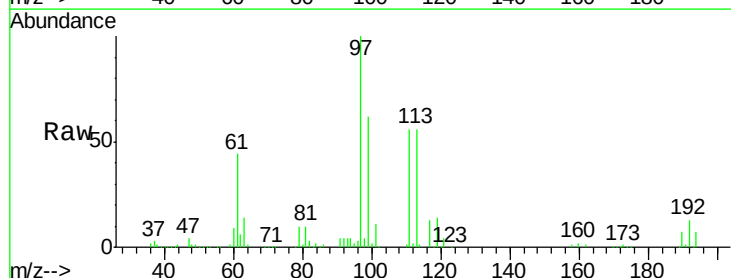
Manual Integrations
APPROVED

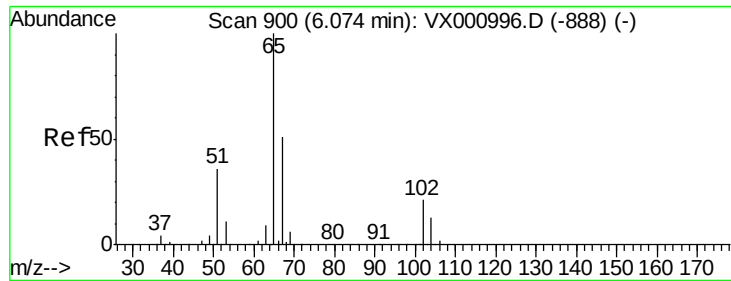
Sohil
4/27/2018 1:46:36 AM



#32
1,1,1-Trichloroethane
Concen: 45.88 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	43.9	34.4	51.6





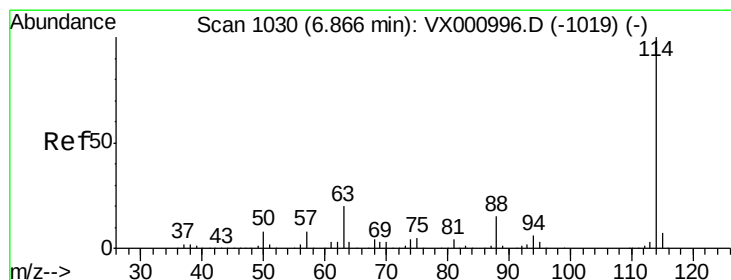
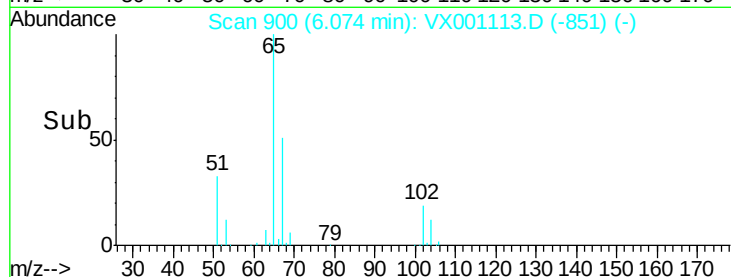
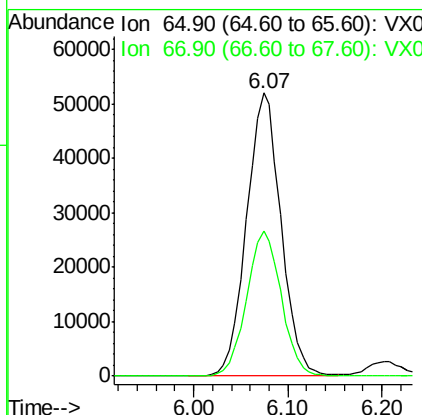
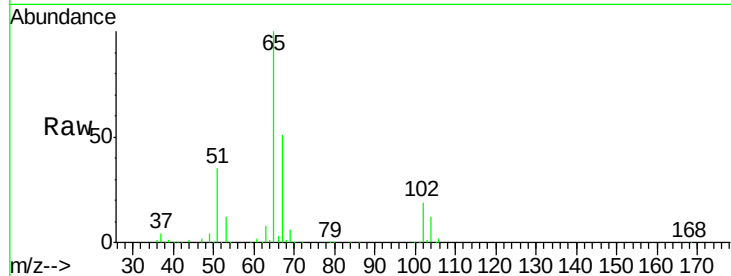
#33
 1,2-Dichloroethane-d4
 Concen: 44.19 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.6

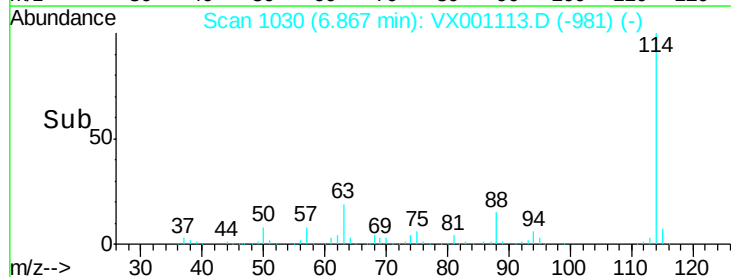
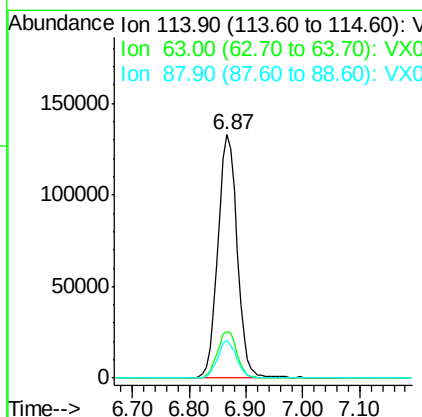
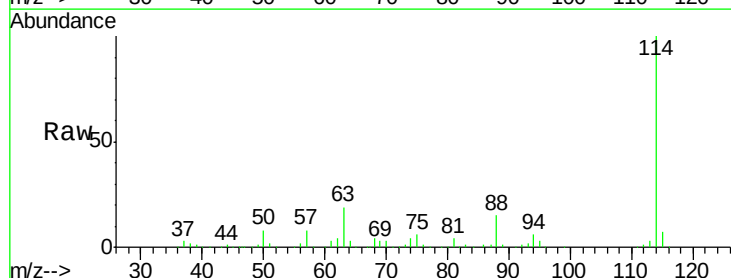
Manual Integrations
 APPROVED

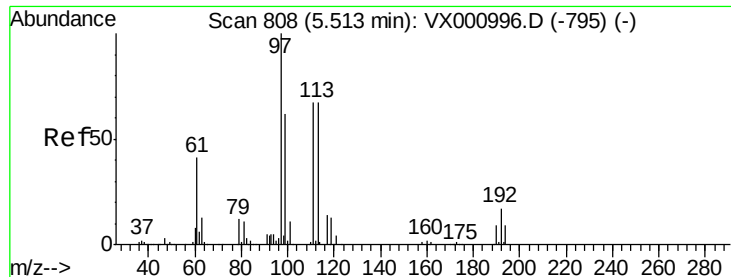
Sohil
 4/27/2018 1:46:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.4
88	15.2	0.0	29.8





#35

Dibromofluoromethane

Concen: 46.13 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

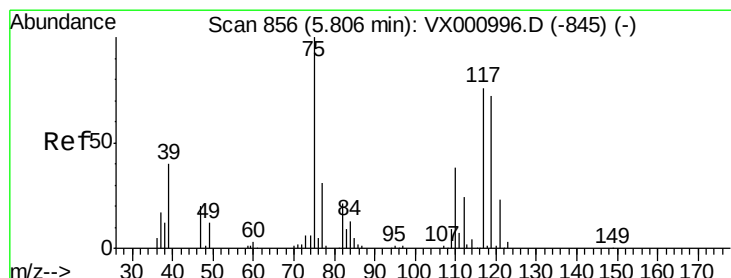
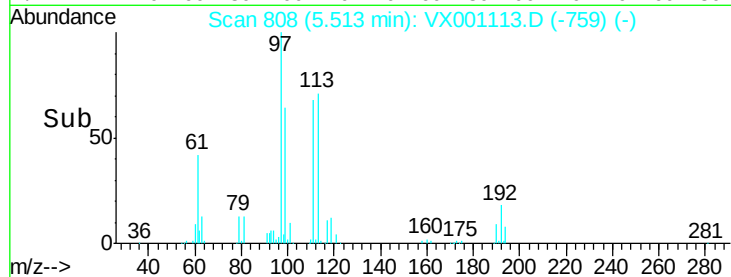
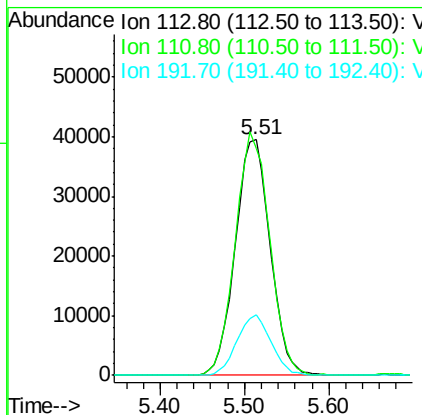
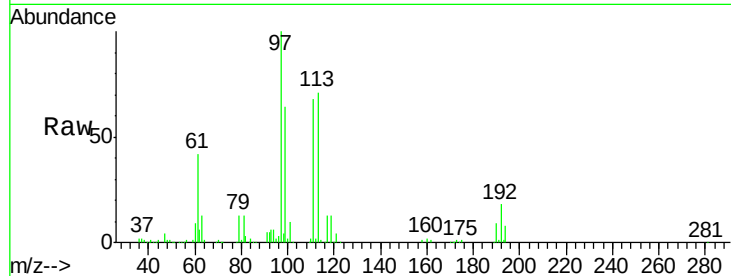
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	25.1	20.4	30.6

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#36

1,1-Dichloropropene

Concen: 43.65 ug/l

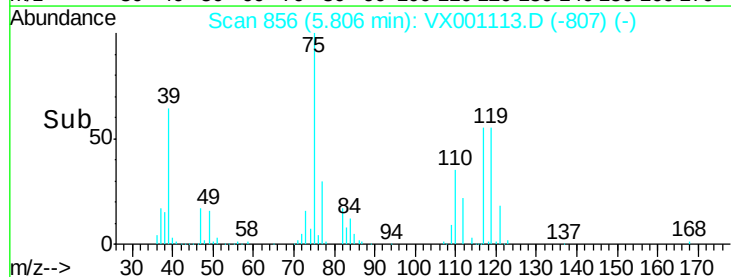
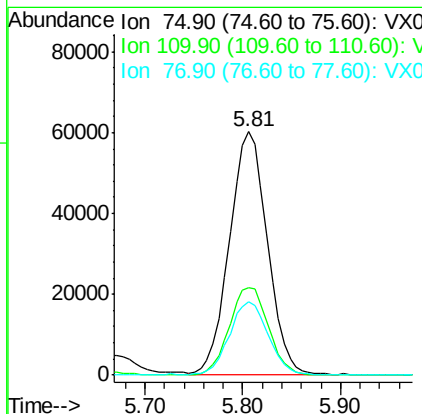
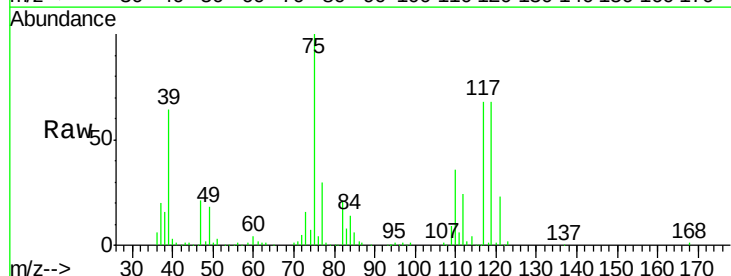
RT: 5.81 min Scan# 856

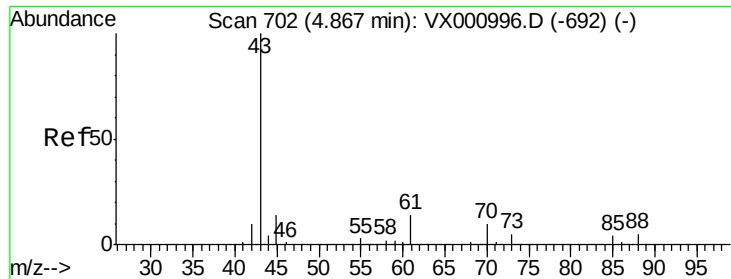
Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.7	56.1
77	30.8	25.0	37.4





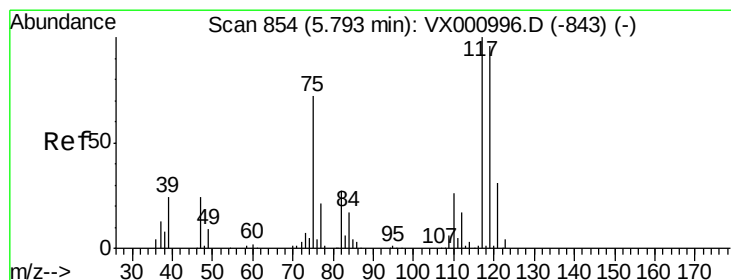
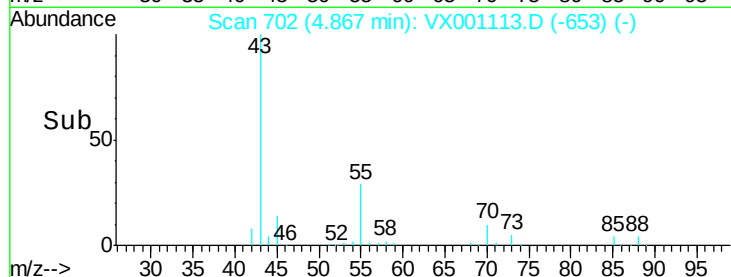
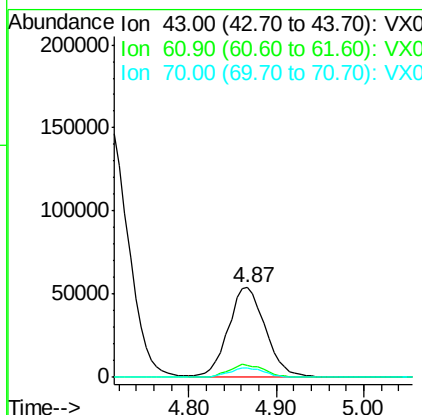
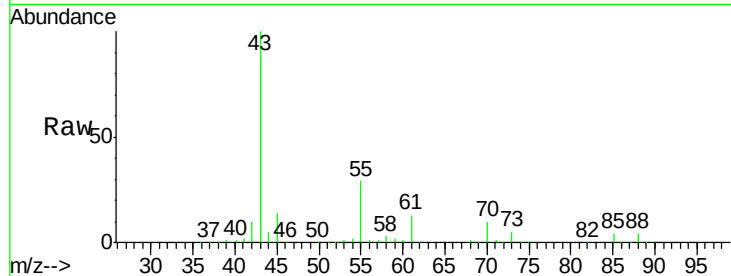
#37
Ethyl Acetate
Concen: 46.53 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	10.2	8.3	12.5

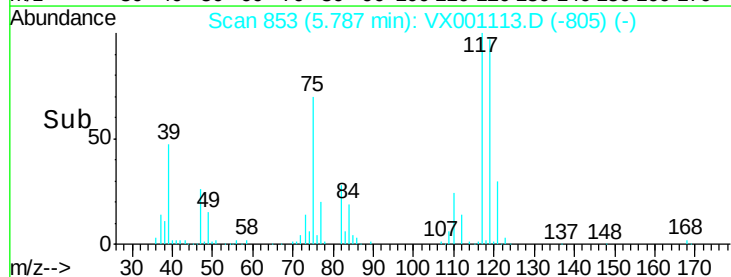
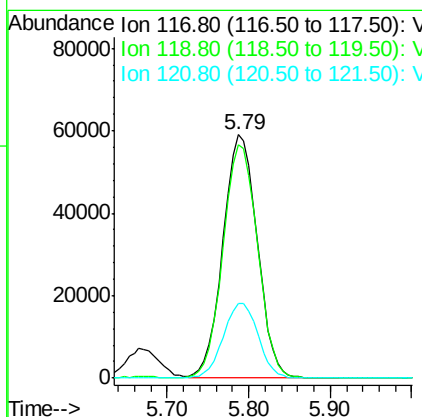
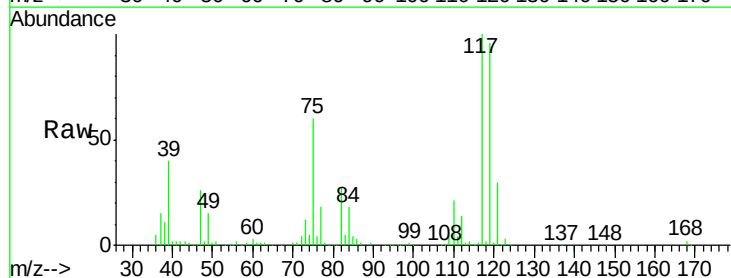
Manual Integrations
APPROVED

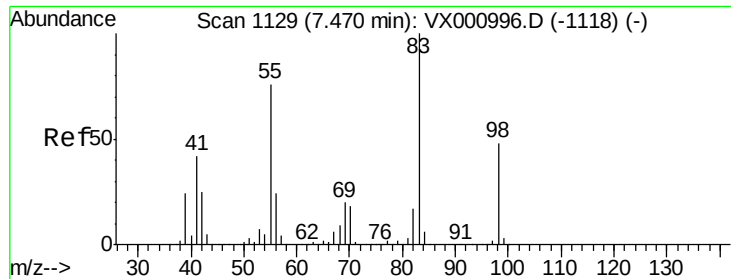
Sohil
4/27/2018 1:46:36 AM



#38
Carbon Tetrachloride
Concen: 46.09 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
121	30.5	24.5	36.7





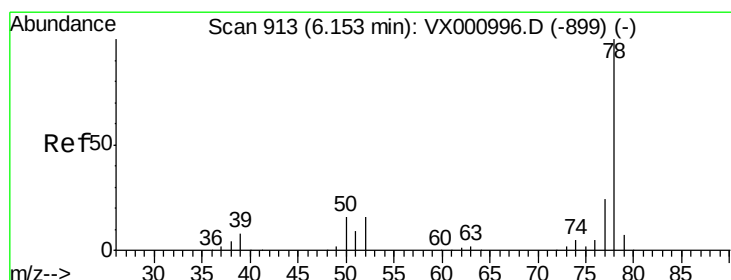
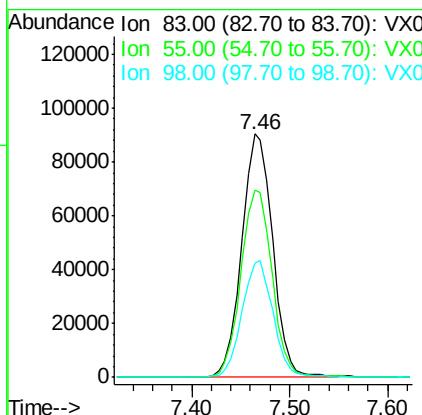
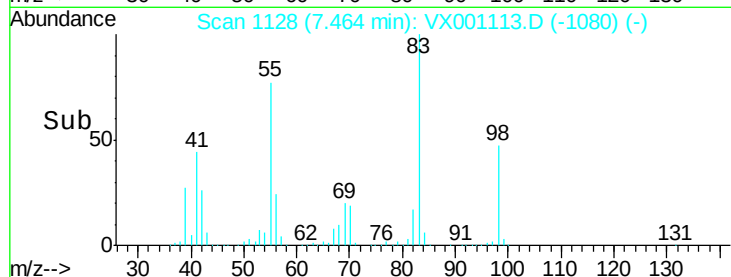
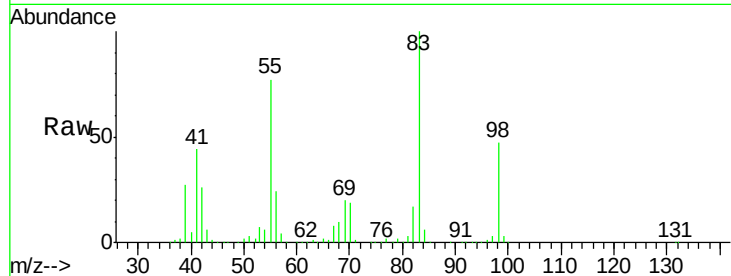
#39
Methylvlcyclohexane
Concen: 46.09 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.8	60.6	91.0	
98	46.7	38.2	57.4	

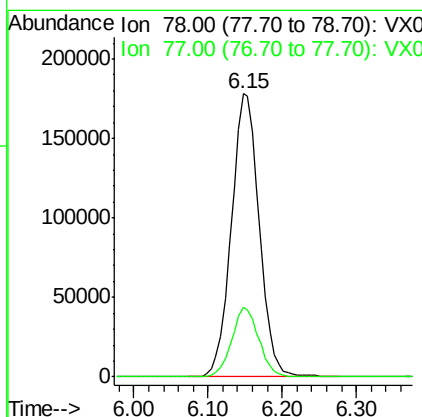
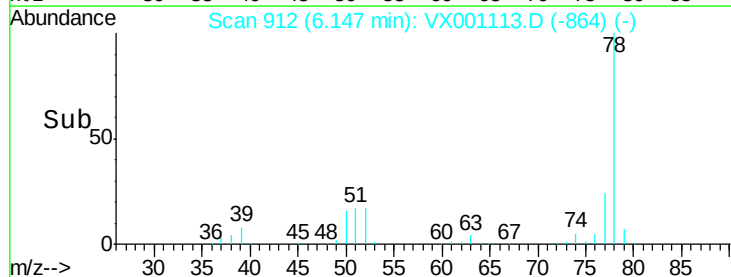
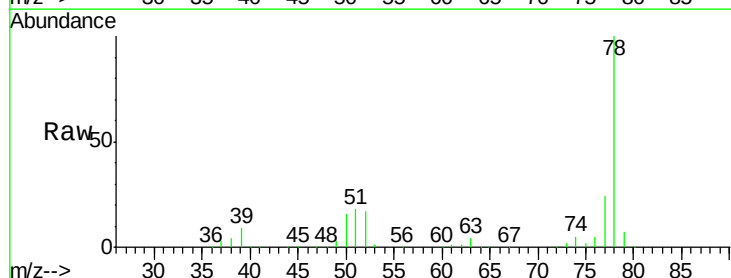
Manual Integrations
APPROVED

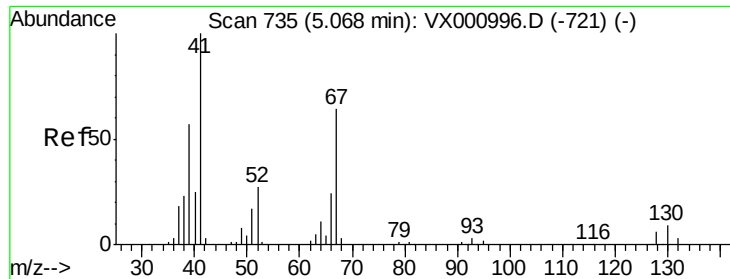
Sohil
4/27/2018 1:46:36 AM



#40
Benzene
Concen: 45.39 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	18.9	28.3	





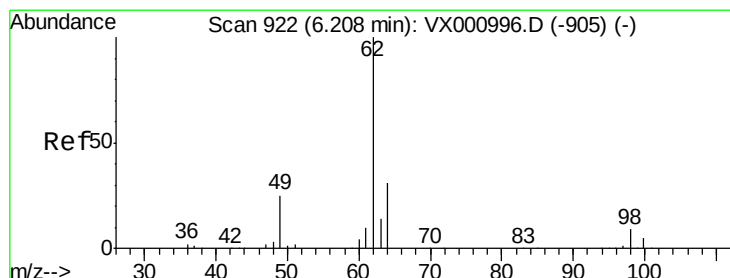
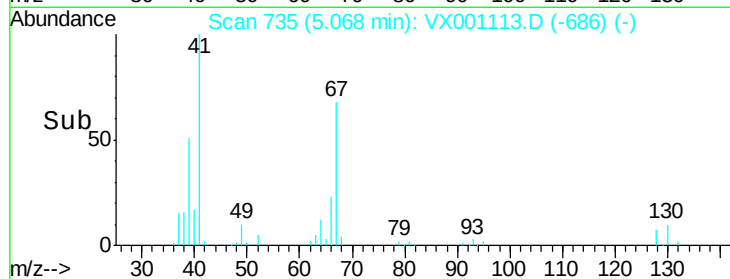
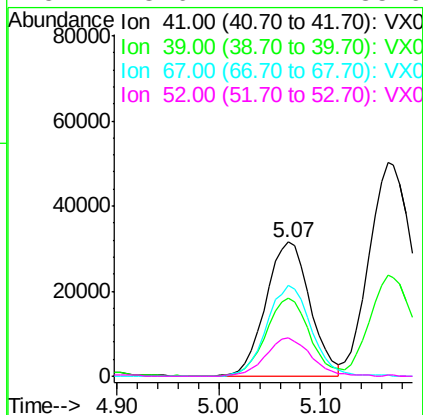
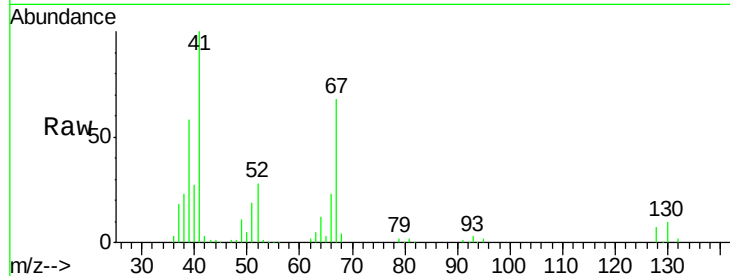
#41
Methacrylonitrile
Concen: 44.61 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	94497
Ion Ratio	Lower	Upper	
41	100		
39	57.5	45.2	67.8
67	68.4	53.8	80.8
52	28.6	22.4	33.6

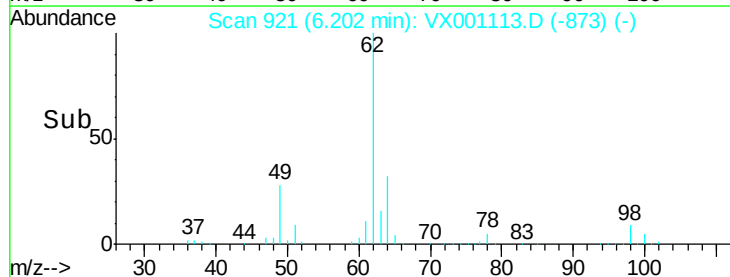
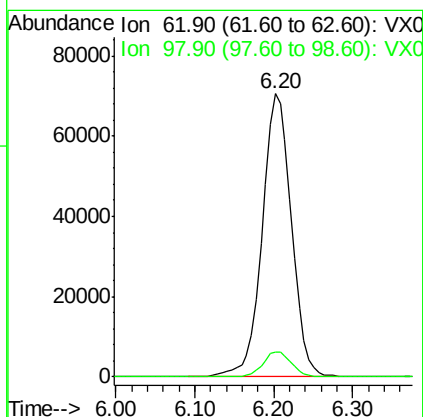
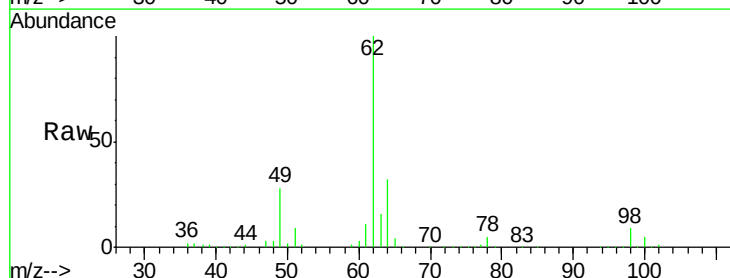
Manual Integrations
APPROVED

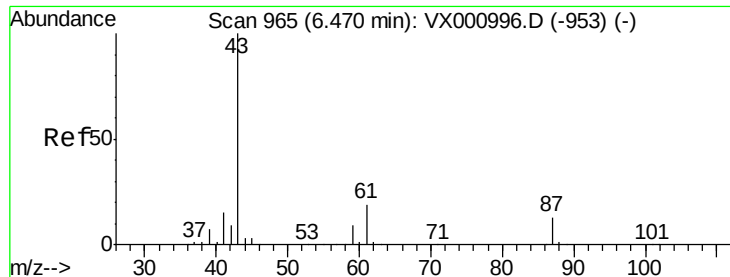
Sohil
4/27/2018 1:46:36 AM



#42
1,2-Dichloroethane
Concen: 46.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	62	Resp	181945
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.6





#43

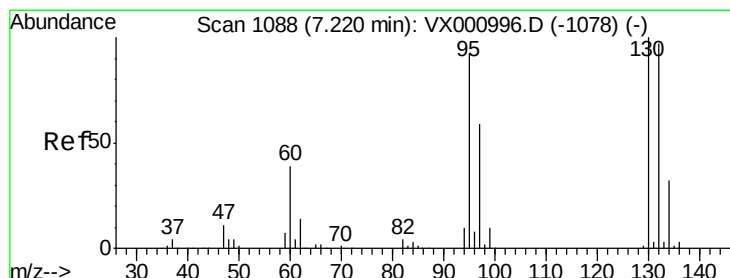
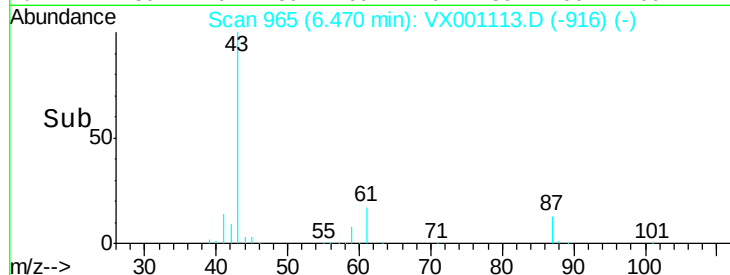
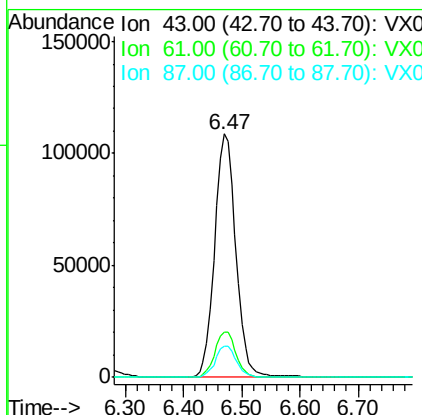
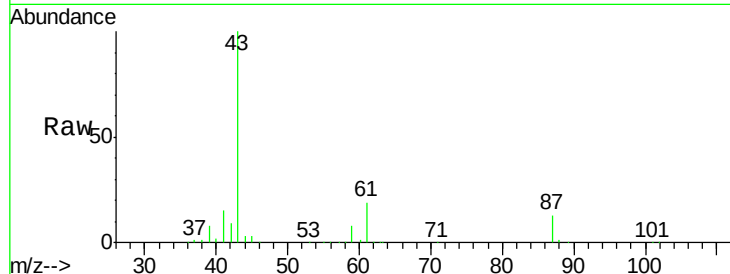
Isopropyl Acetate
 Concen: 46.90 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	272947
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.4	23.2
87	12.9	10.6	15.8

Manual Integrations
 APPROVED

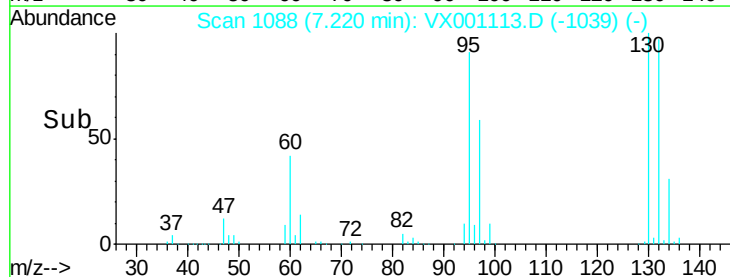
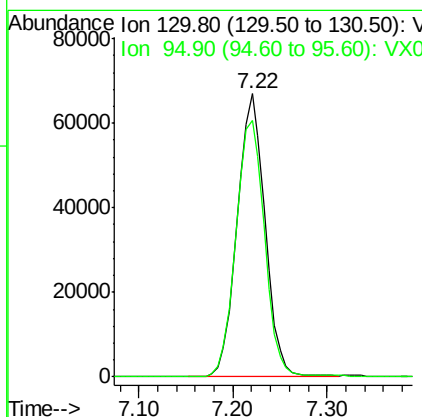
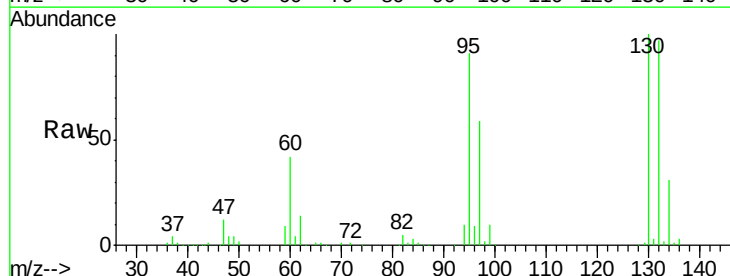
Sohil
 4/27/2018 1:46:36 AM

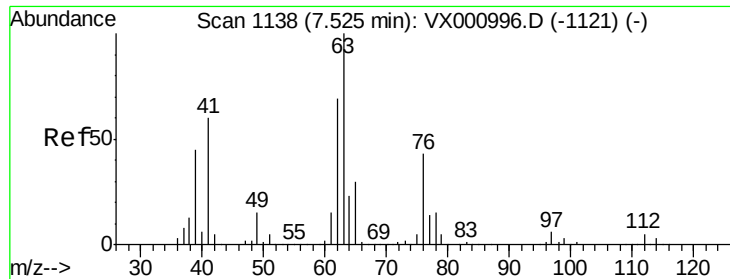


#44

Trichloroethene
 Concen: 44.03 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion:	130	Resp:	138318
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	184.2





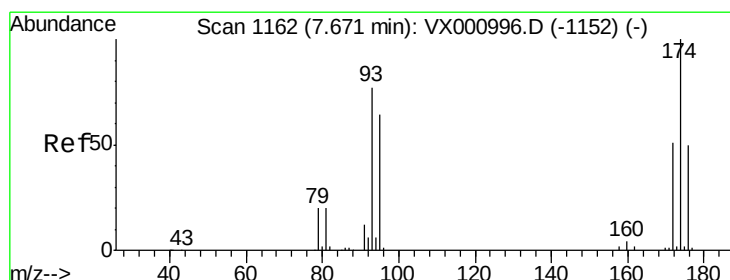
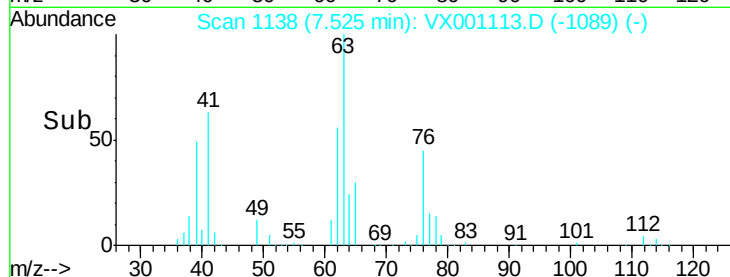
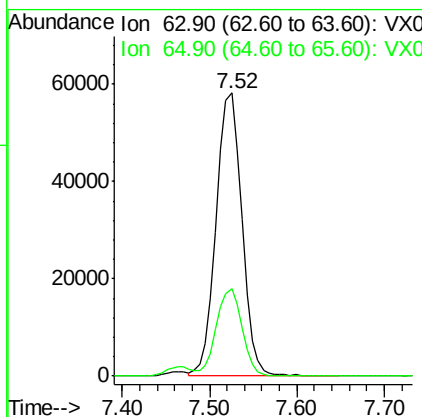
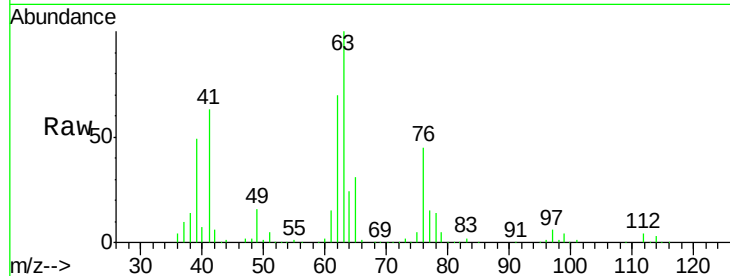
#45
 1,2-Dichloropropane
 Concen: 46.30 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 119691
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6

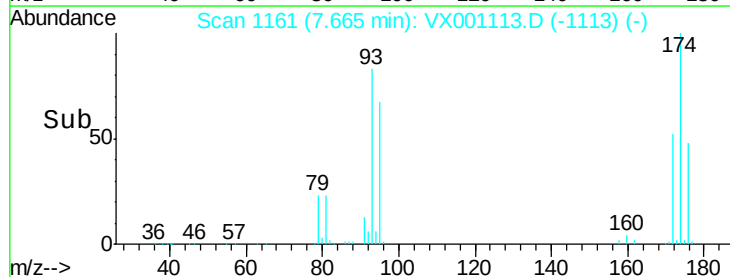
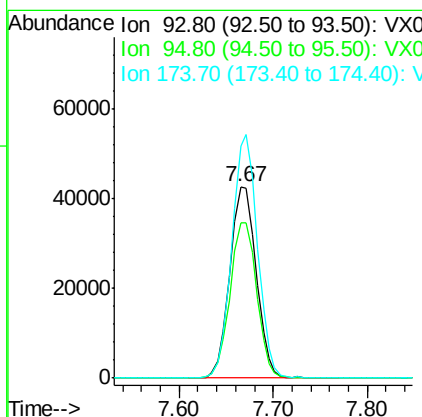
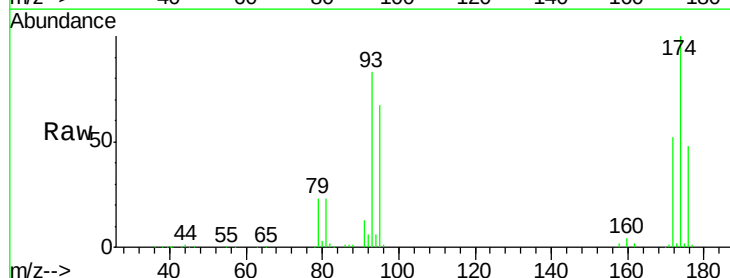
Manual Integrations
 APPROVED

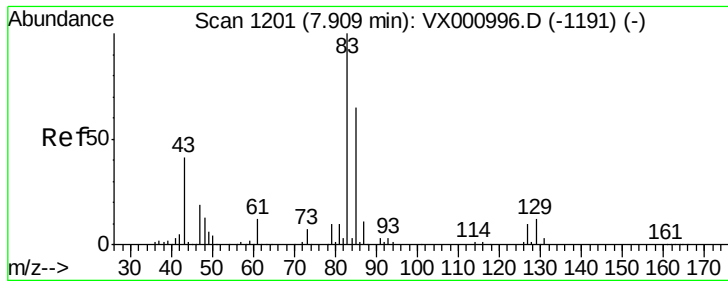
Sohil
 4/27/2018 1:46:36 AM



#46
 Dibromomethane
 Concen: 46.18 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion: 93 Resp: 83410
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 123.0 101.8 152.6





#47

Bromodichloromethane

Concen: 47.70 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001113.D

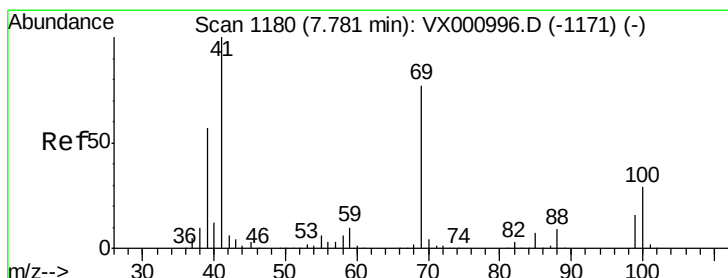
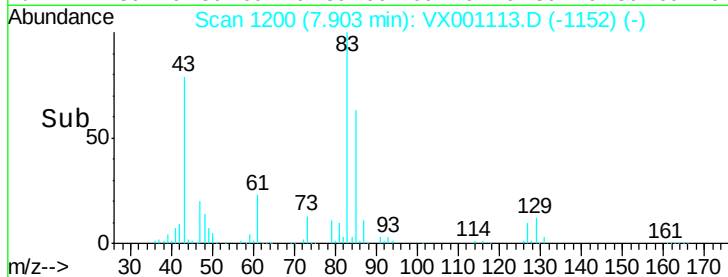
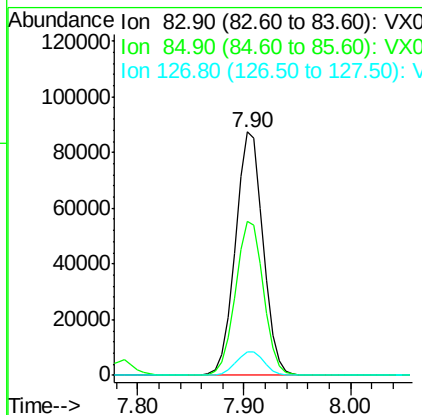
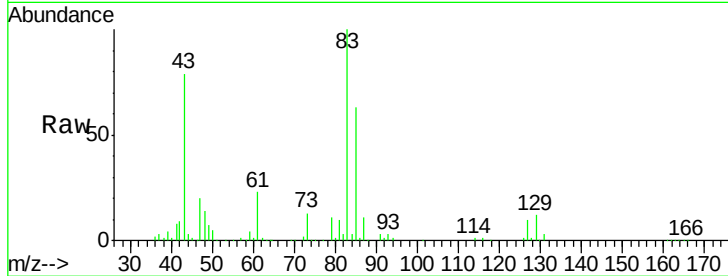
Acq: 25 Apr 2018 10:50

Tot Ion:	83	Resp:	159631
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.3	78.5
127	9.7	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#48

Methyl methacrylate

Concen: 47.40 ug/l

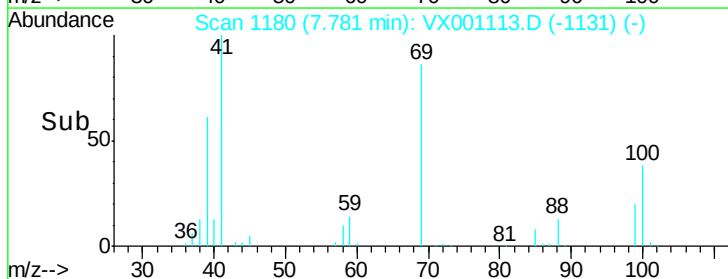
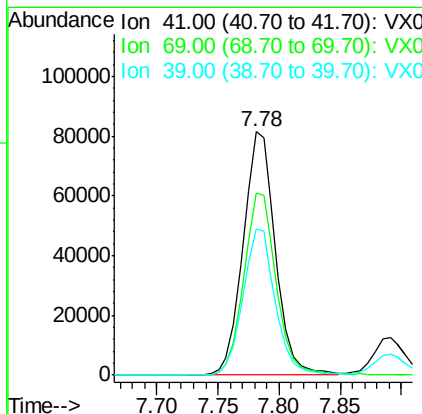
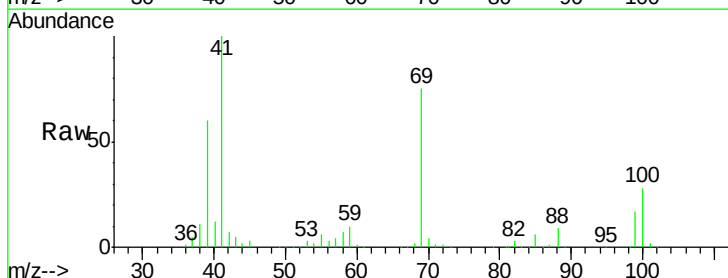
RT: 7.78 min Scan# 1180

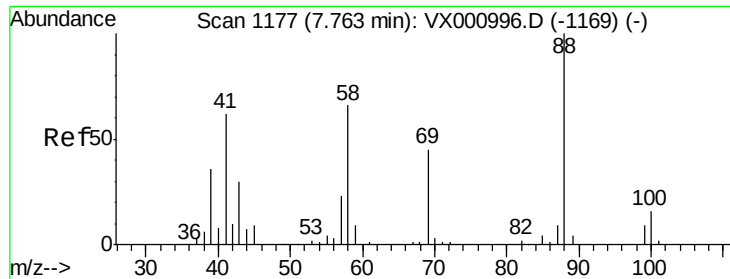
Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion:	41	Resp:	148539
Ion	Ratio	Lower	Upper
41	100		
69	75.8	62.6	94.0
39	60.0	45.3	67.9





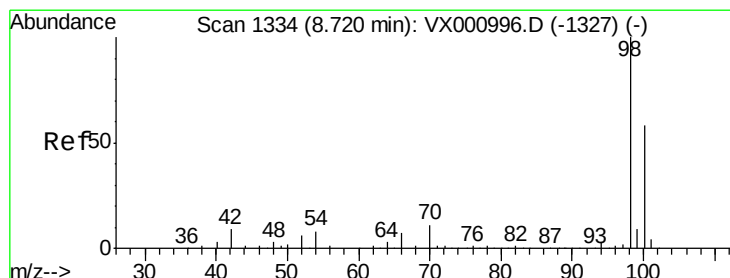
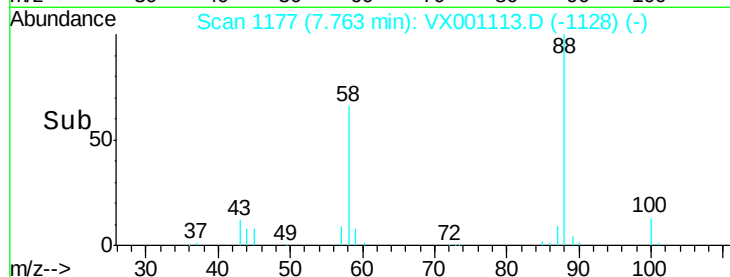
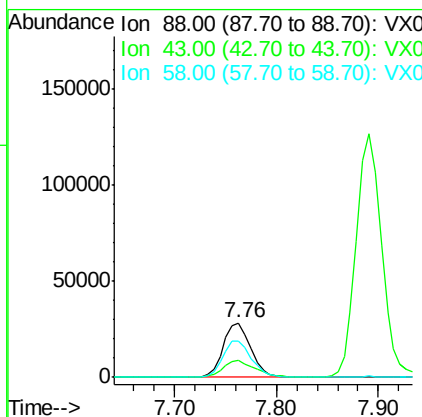
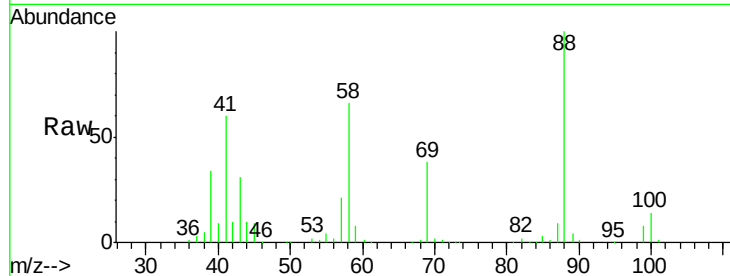
#49
1,4-Dioxane
Concen: 1154.06 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.2	43.8
58	69.4	55.0	82.6

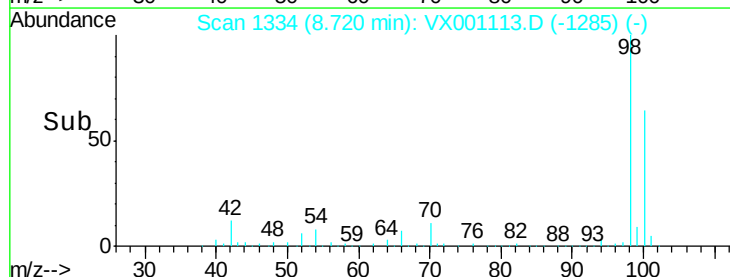
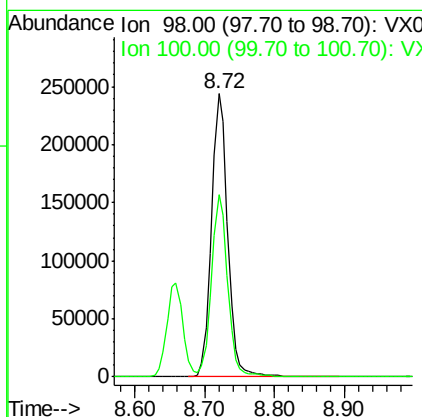
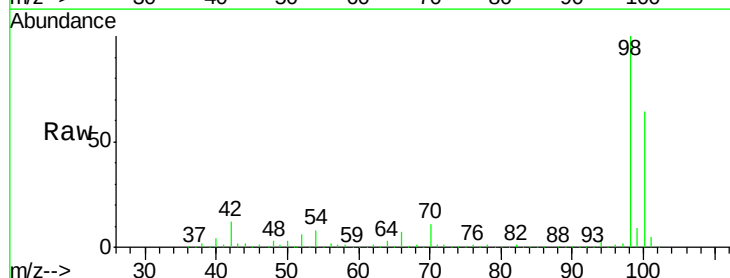
Manual Integrations
APPROVED

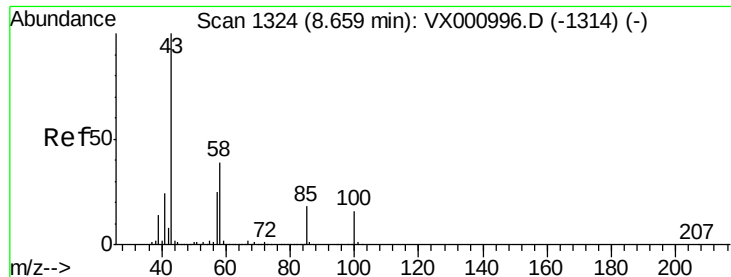
Sohil
4/27/2018 1:46:36 AM



#50
Toluene-d8
Concen: 44.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 247.87 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 875886

Ion Ratio Lower Upper

43 100

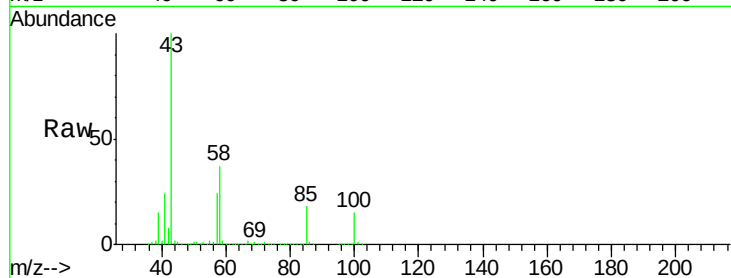
58 37.5 30.2 45.4

Manual Integrations

APPROVED

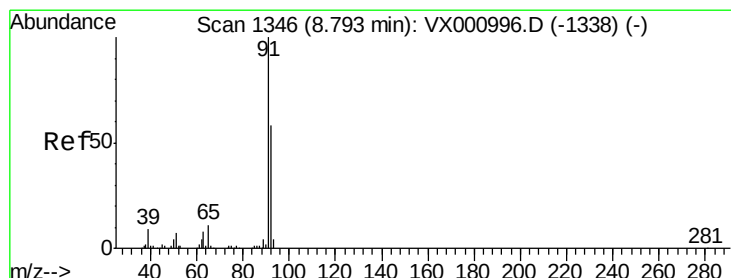
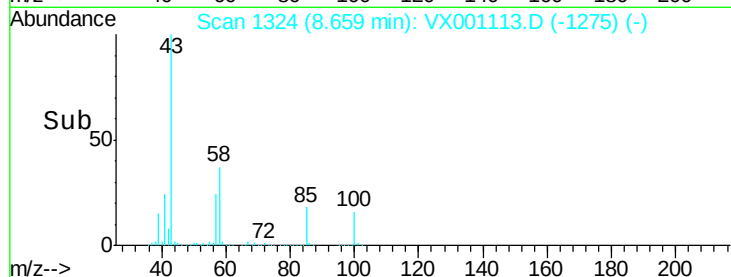
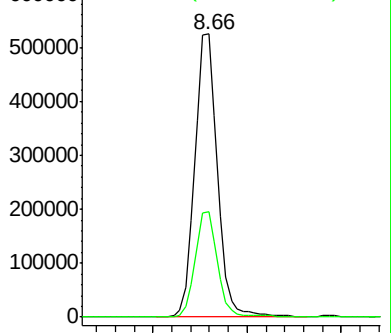
Sohil

4/27/2018 1:46:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 45.92 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001113.D

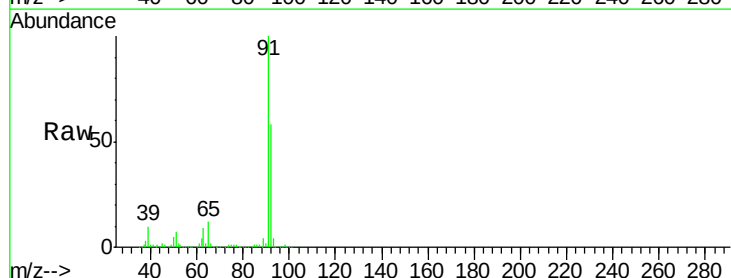
Acq: 25 Apr 2018 10:50

Tgt Ion: 92 Resp: 308165

Ion Ratio Lower Upper

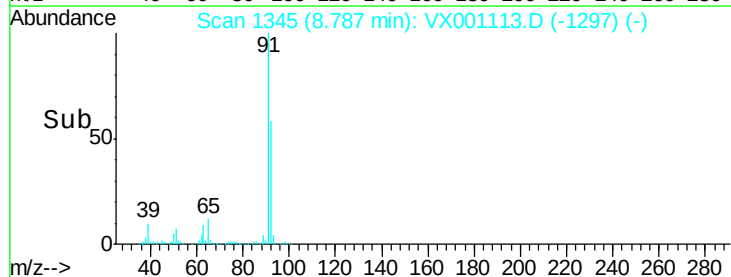
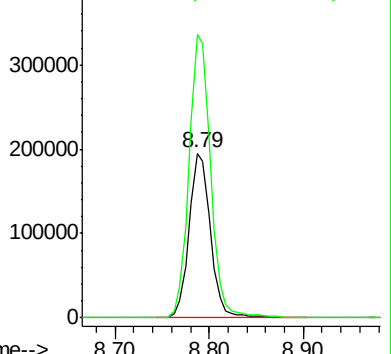
92 100

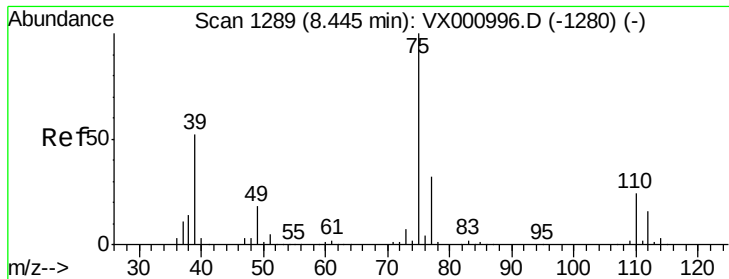
91 174.1 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





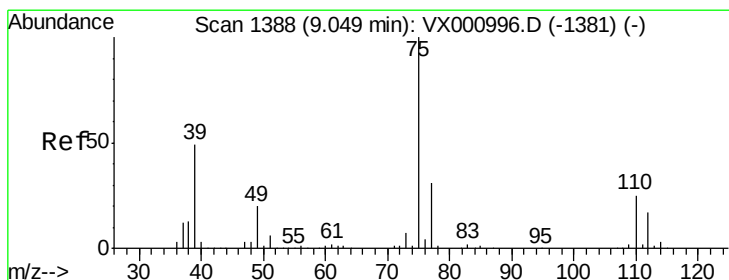
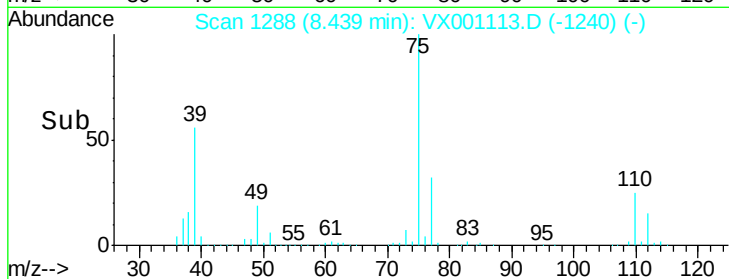
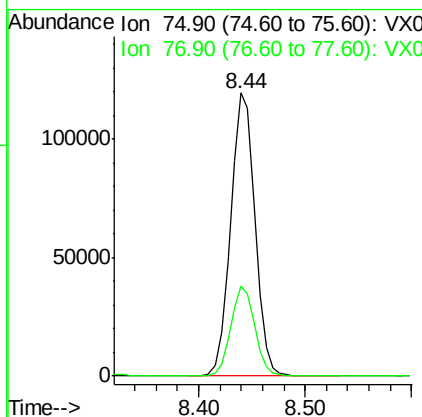
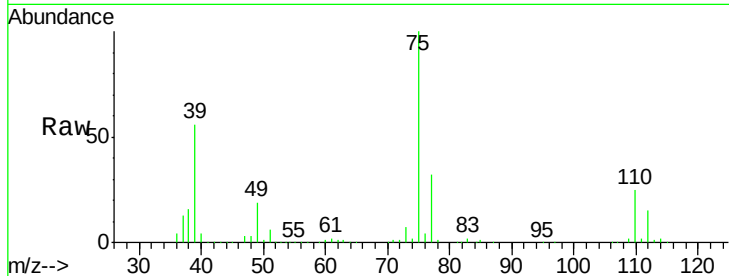
#53
t-1,3-Dichloropropene
Concen: 47.93 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6

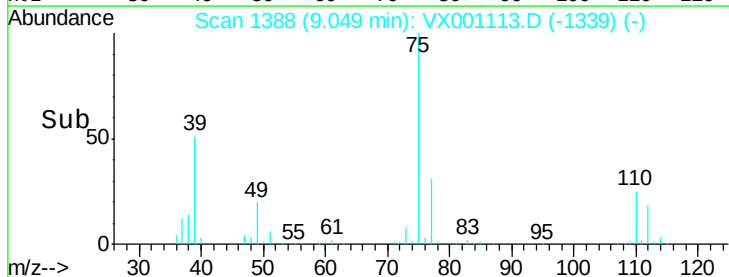
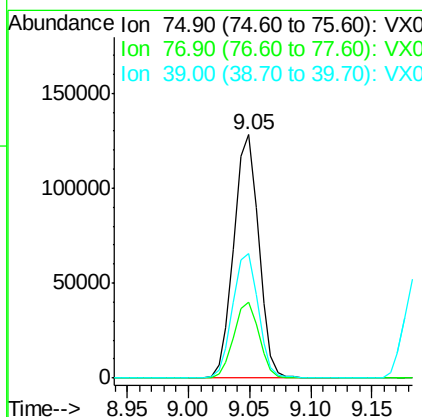
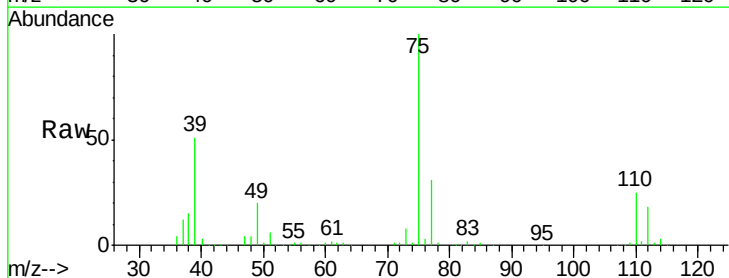
Manual Integrations
APPROVED

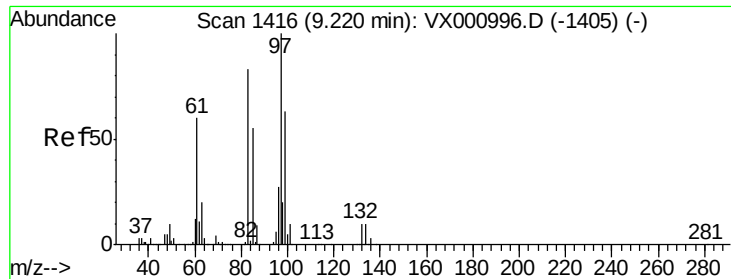
Sohil
4/27/2018 1:46:36 AM



#54
cis-1,3-Dichloropropene
Concen: 47.91 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.6
39	51.1	39.2	58.8





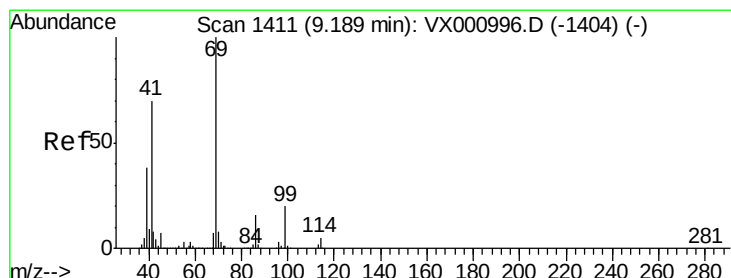
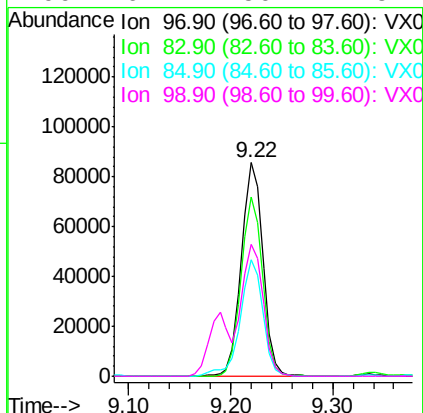
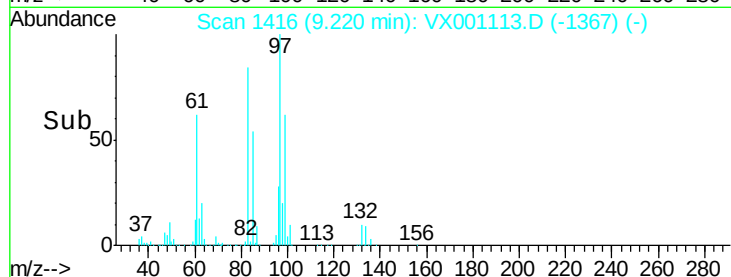
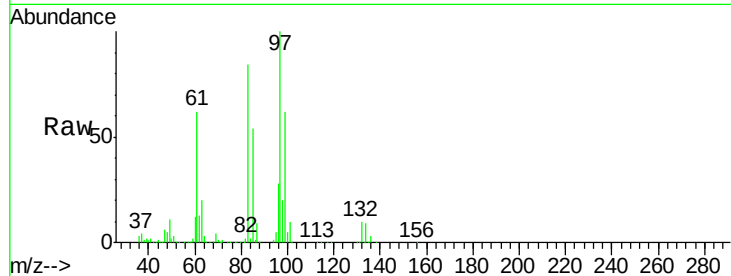
#55
 1,1,2-Trichloroethane
 Concen: 47.11 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125639		
83	83.8	66.2	99.4		
85	54.4	44.2	66.4		
99	61.7	50.2	75.4		

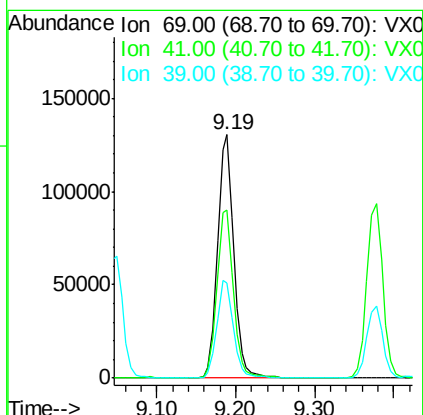
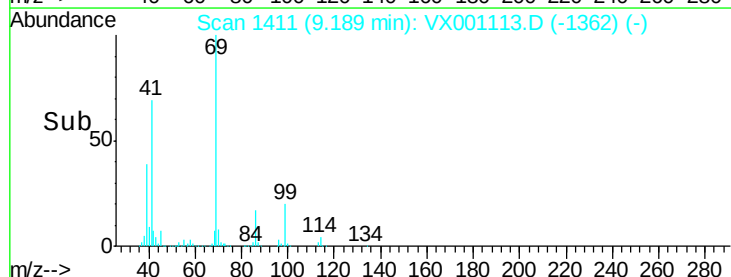
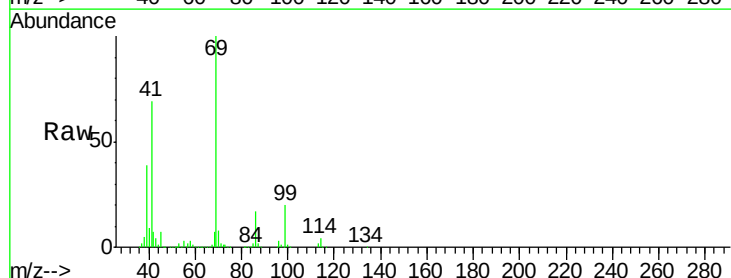
Manual Integrations
 APPROVED

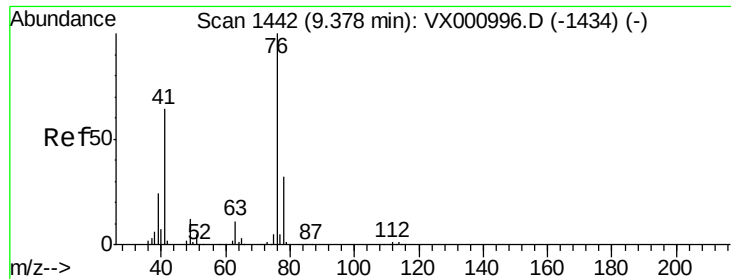
Sohil
 4/27/2018 1:46:36 AM



#56
 Ethyl methacrylate
 Concen: 48.03 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		188173		
41	70.1	56.3	84.5		
39	40.5	30.4	45.6		





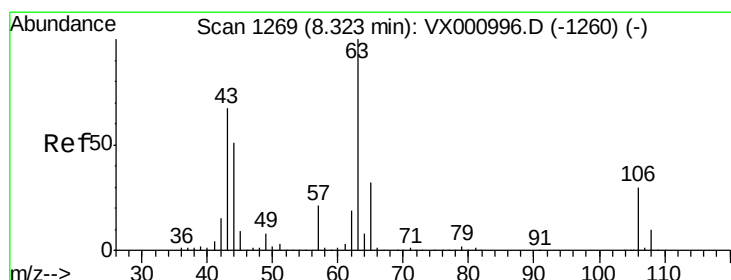
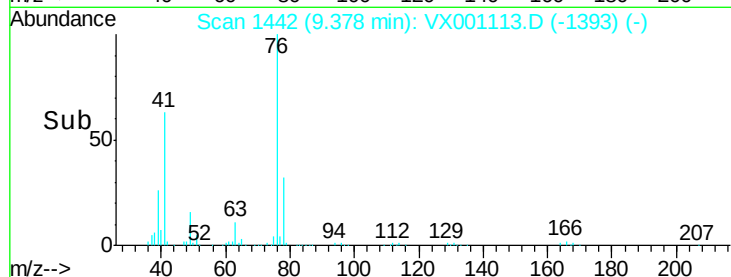
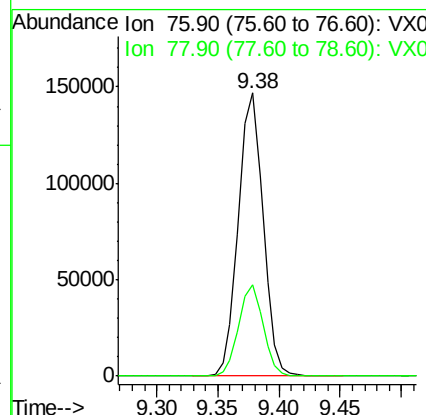
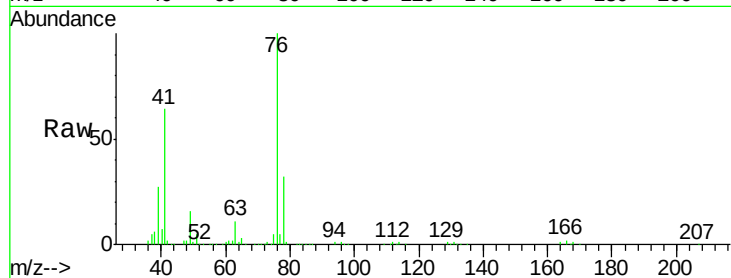
#57
 1,3-Dichloropropane
 Concen: 46.61 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

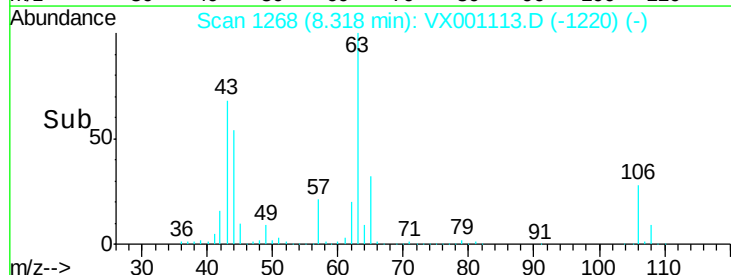
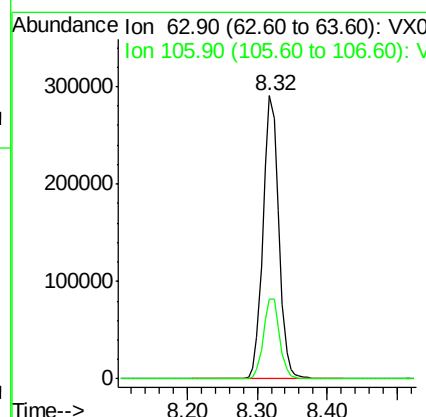
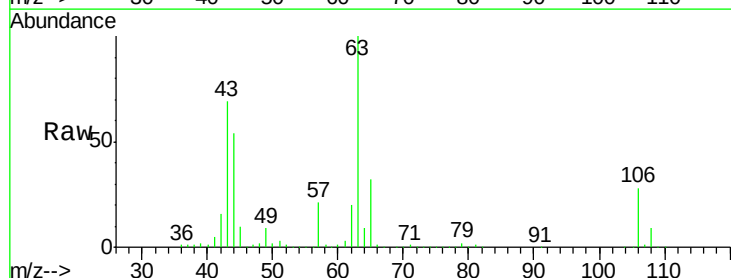
Manual Integrations
 APPROVED

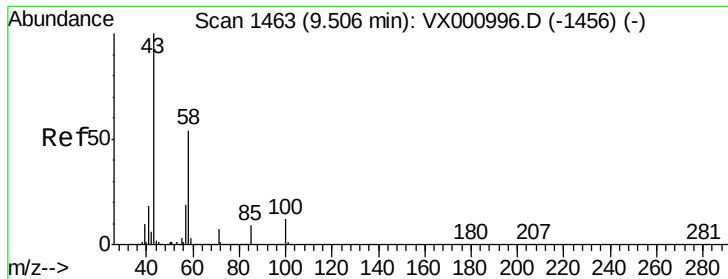
Sohil
 4/27/2018 1:46:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.36 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.8	35.6





#59

2-Hexanone

Concen: 253.04 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 684404

Ion Ratio Lower Upper

43 100

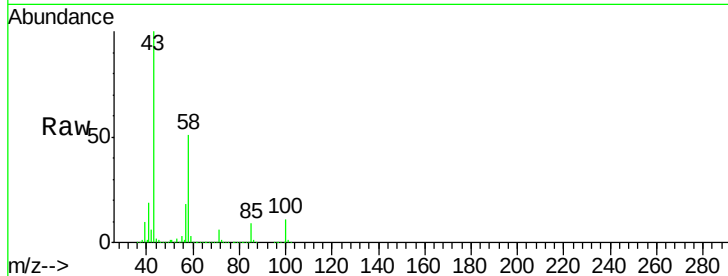
58 51.4 26.3 78.9

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX000996.D (-1456) (-)

Ion 58.00 (57.70 to 58.70): VX000996.D (-1456) (-)

9.50

500000

400000

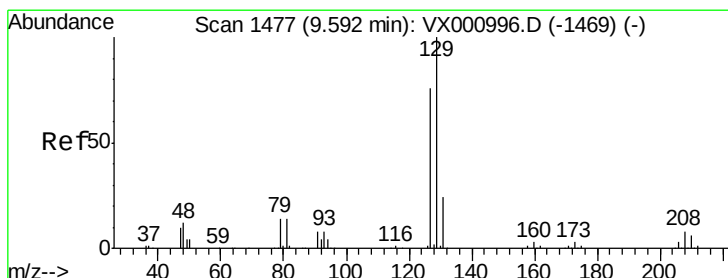
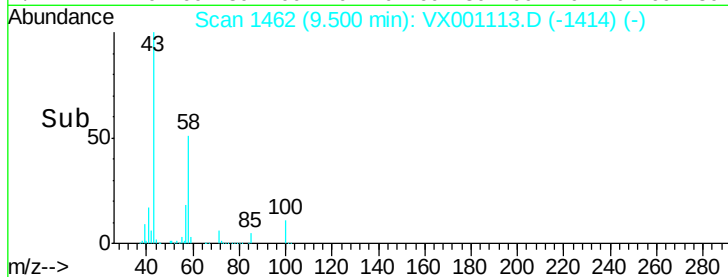
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 49.13 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001113.D

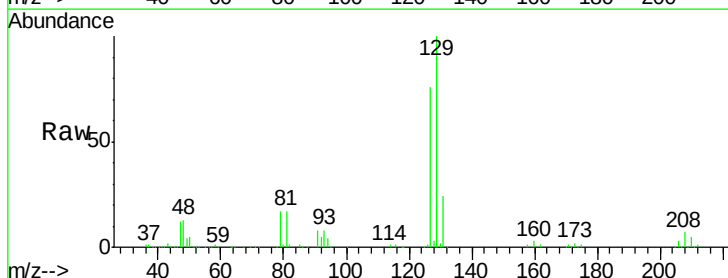
Acq: 25 Apr 2018 10:50

Tgt Ion: 129 Resp: 137624

Ion Ratio Lower Upper

129 100

127 76.5 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VX000996.D (-1469) (-)

Ion 126.80 (126.50 to 127.50): VX000996.D (-1469) (-)

9.59

100000

80000

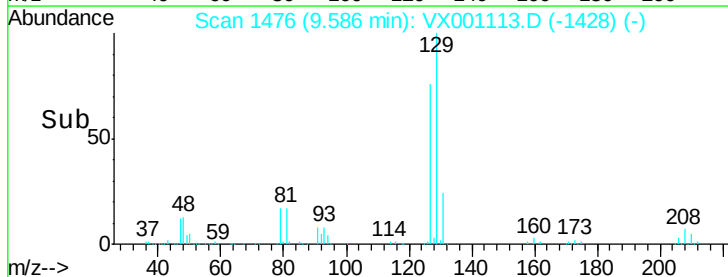
60000

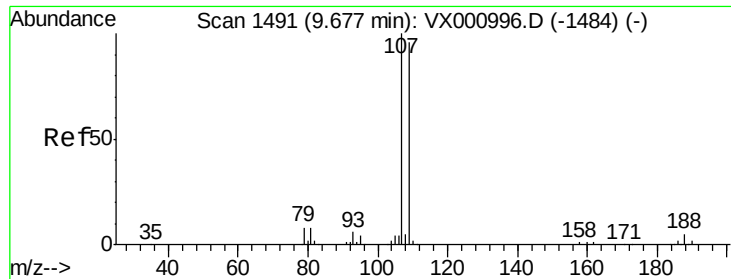
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 47.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:107 Resp: 134016

Ion Ratio Lower Upper

107 100

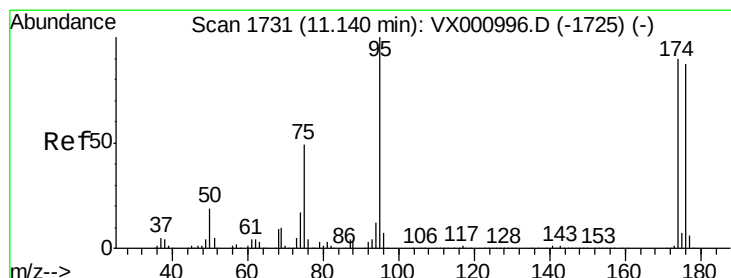
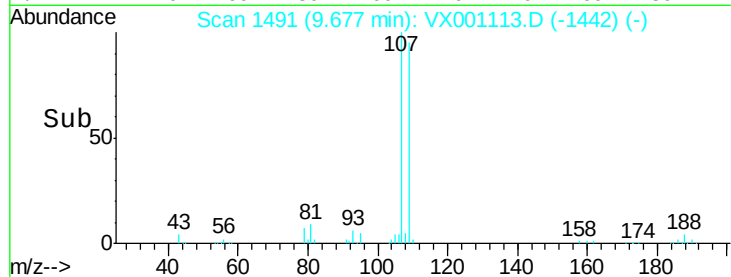
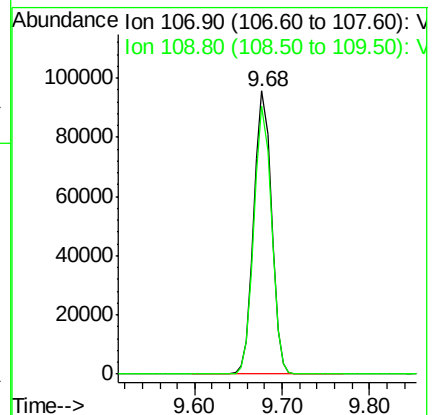
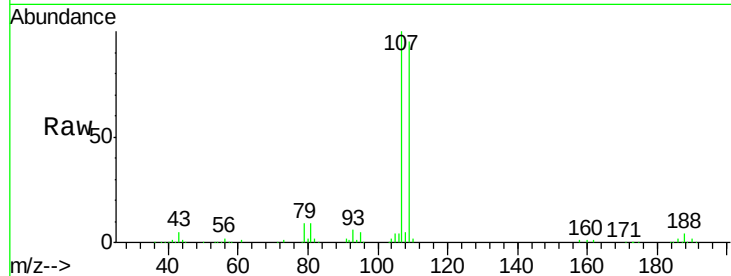
109 94.4 76.0 114.0

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



#62

4-Bromofluorobenzene

Concen: 44.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

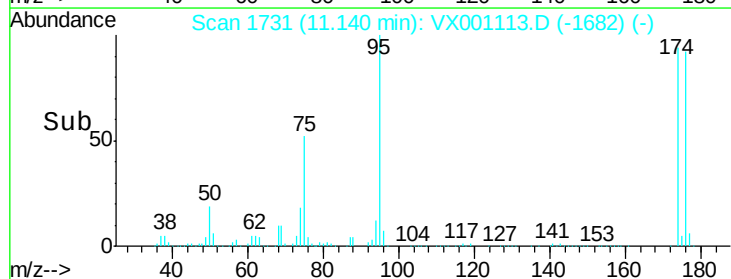
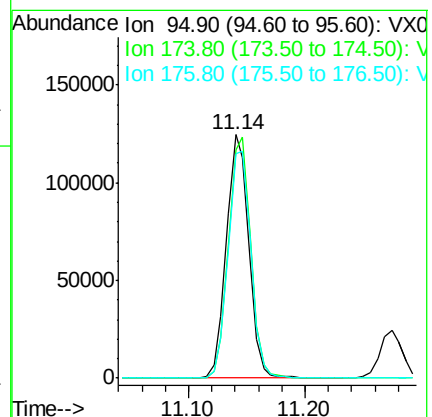
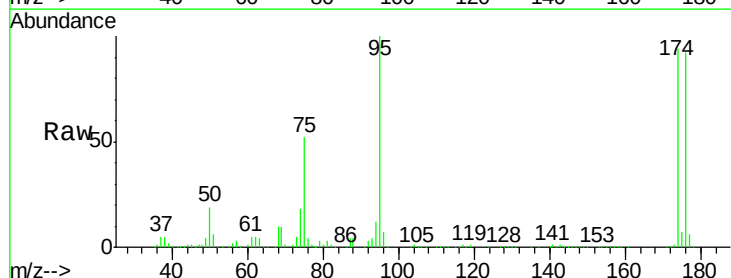
Tgt Ion: 95 Resp: 165319

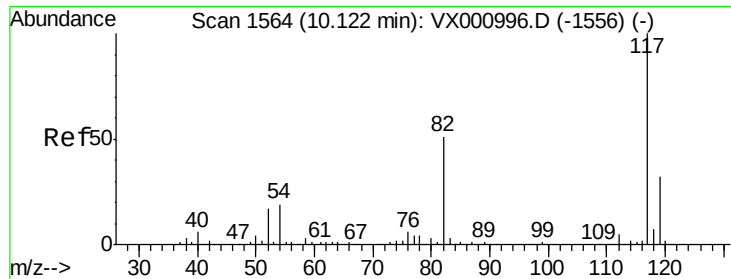
Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

176 95.5 0.0 192.0





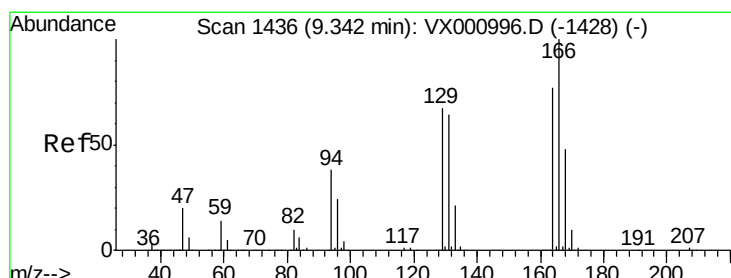
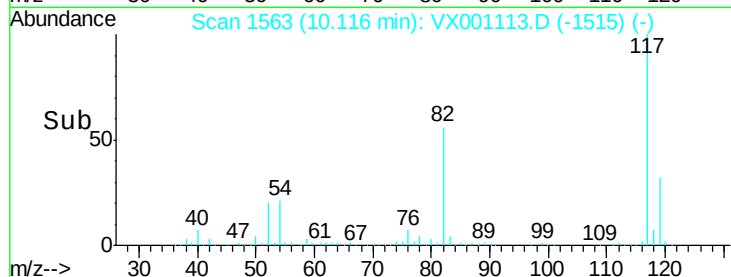
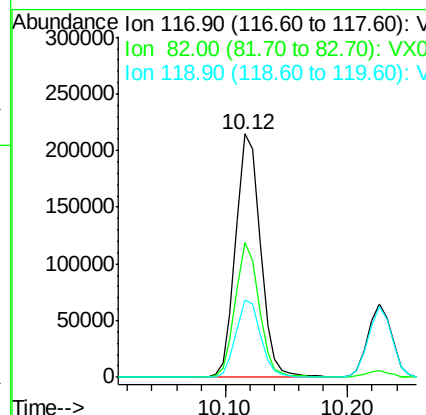
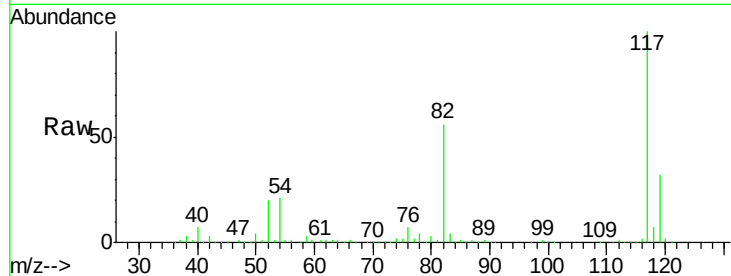
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	40.6	60.8
119	31.9	26.0	39.0

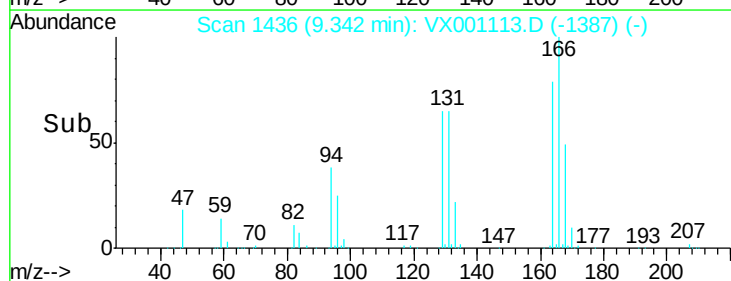
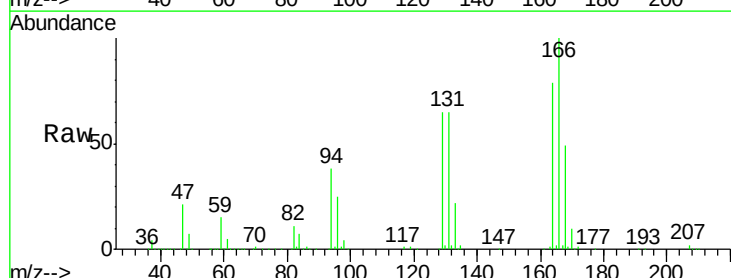
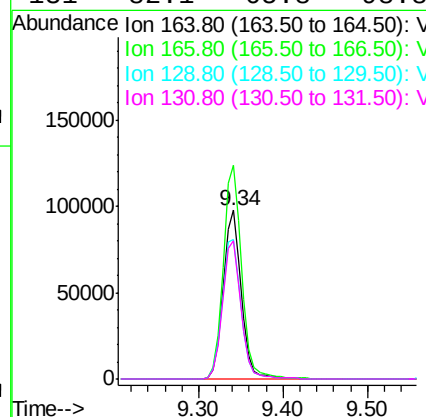
Manual Integrations
APPROVED

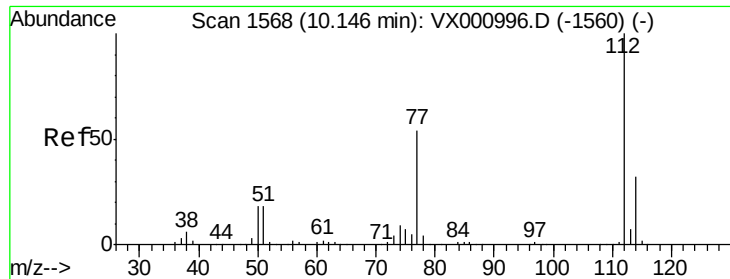
Sohil
4/27/2018 1:46:36 AM



#64
Tetrachloroethene
Concen: 45.37 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.5	155.3
129	82.5	69.6	104.4
131	82.1	65.8	98.8





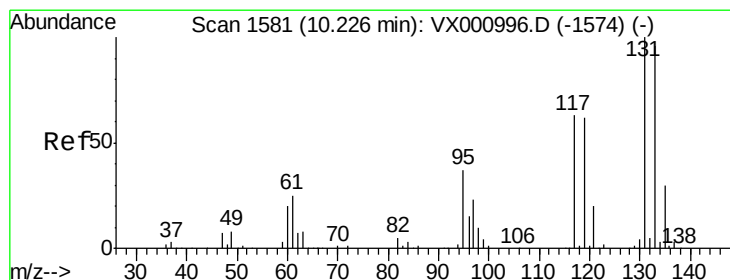
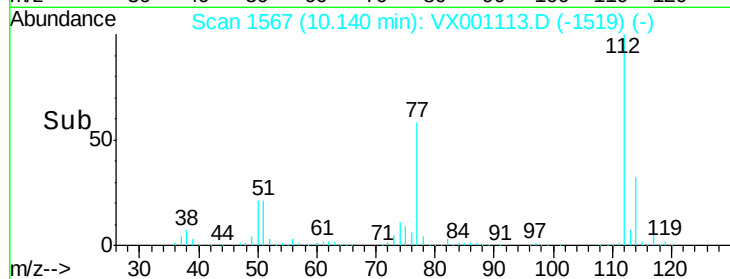
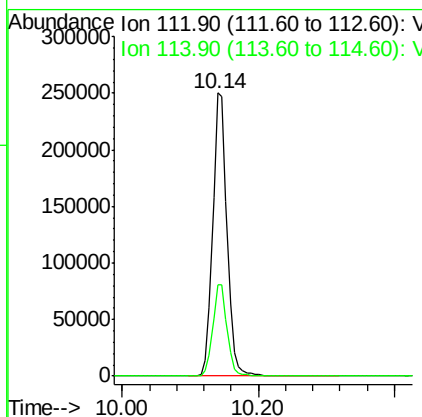
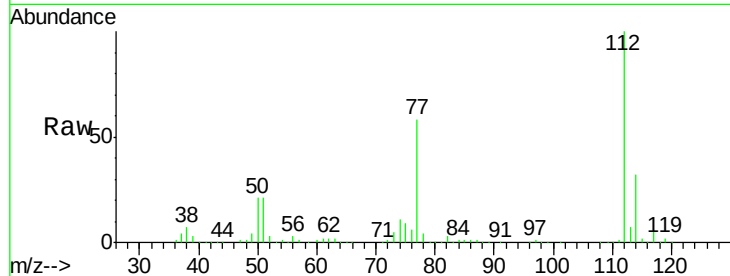
#65
Chlorobenzene
Concen: 45.36 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 364789
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

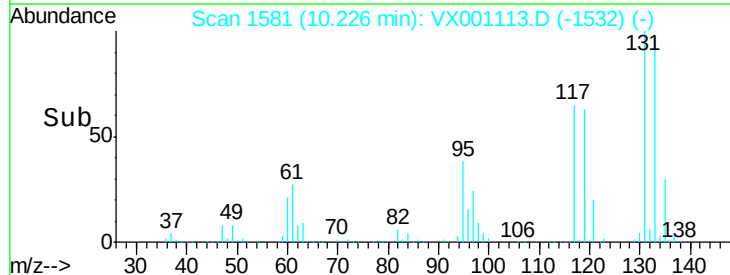
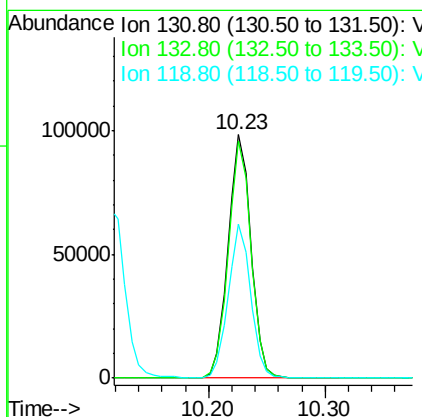
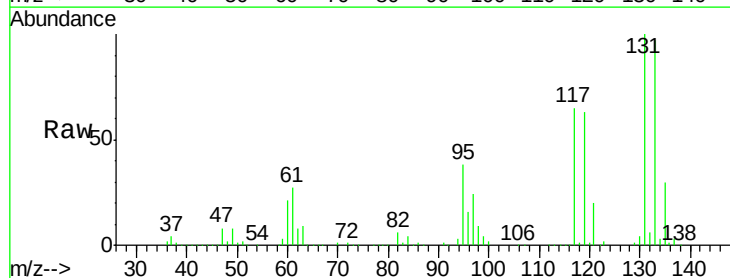
Manual Integrations
APPROVED

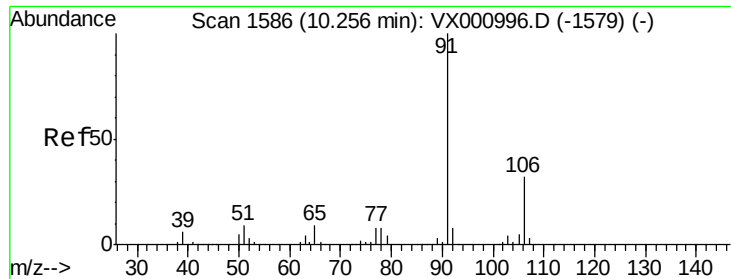
Sohil
4/27/2018 1:46:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.65 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion:131 Resp: 134282
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.8
119 62.2 31.1 93.2





#67

Ethyl Benzene

Concen: 46.11 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 615780

Ion Ratio Lower Upper

91 100

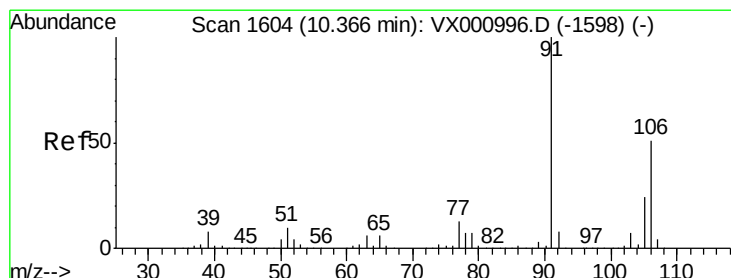
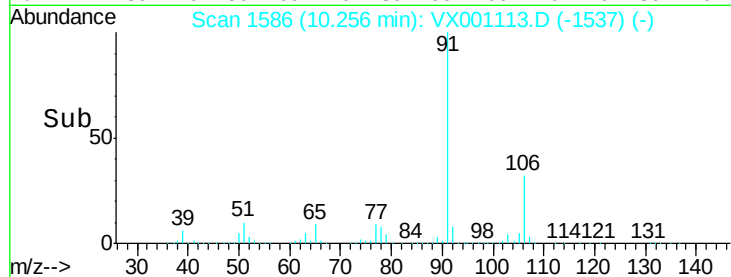
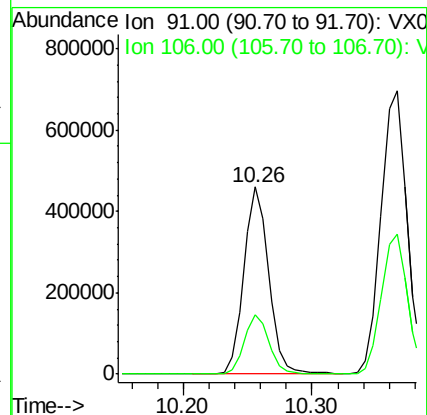
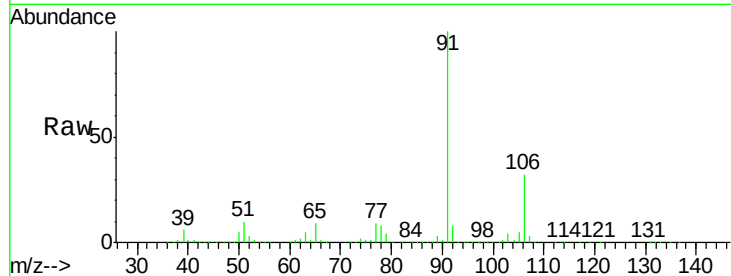
106 32.1 25.7 38.5

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



#68

m/p-Xylenes

Concen: 92.51 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001113.D

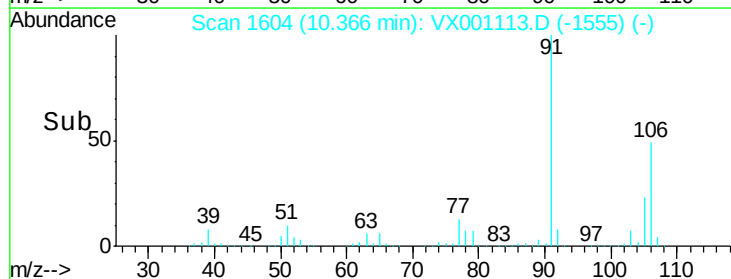
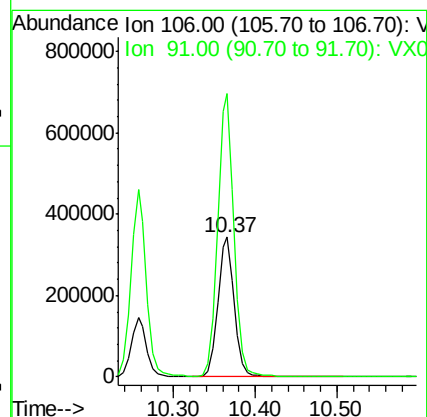
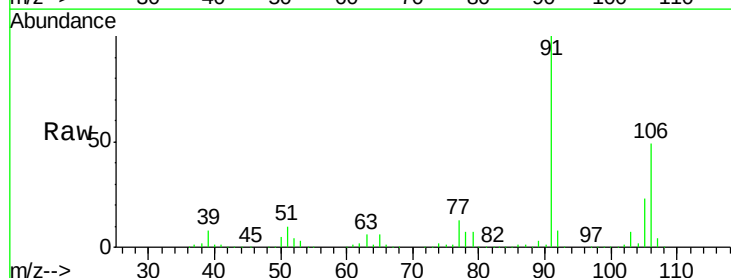
Acq: 25 Apr 2018 10:50

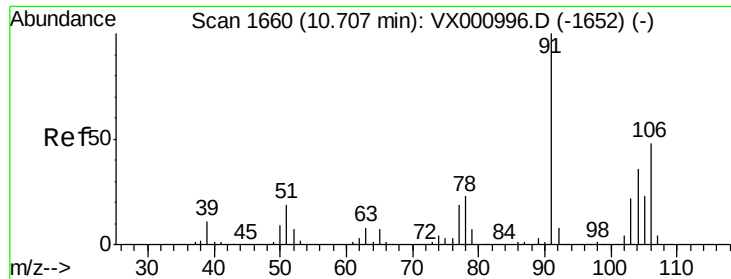
Tgt Ion: 106 Resp: 486955

Ion Ratio Lower Upper

106 100

91 202.1 159.3 238.9





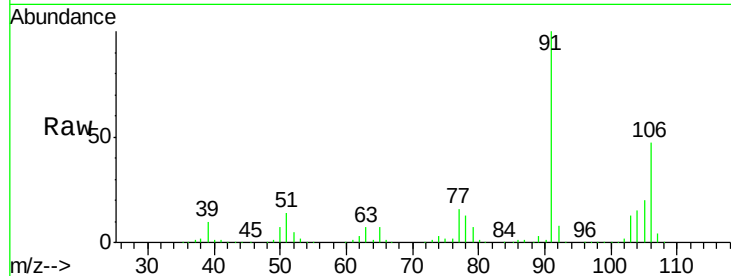
#69
o-Xylene
Concen: 46.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

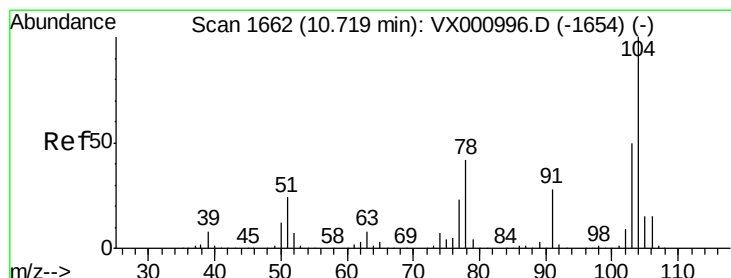
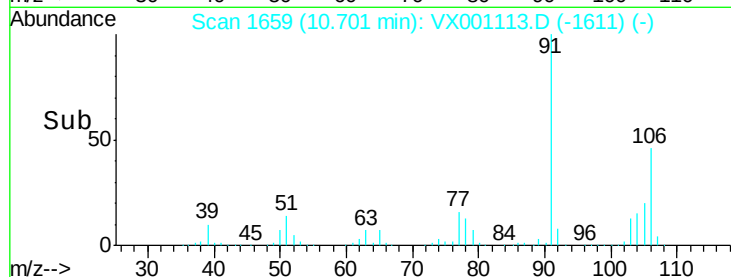
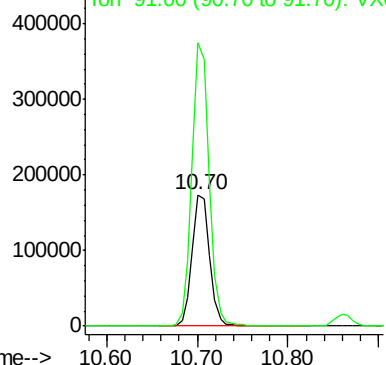
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		235788		
91	212.2	105.1	315.1		

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM

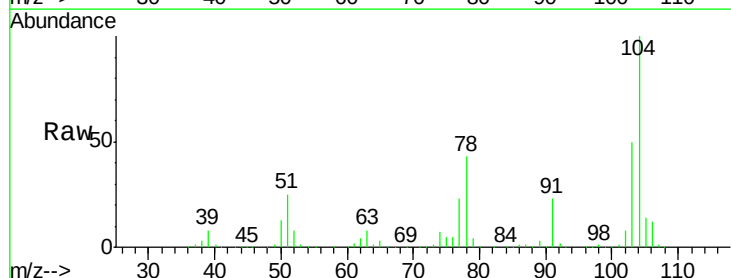


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

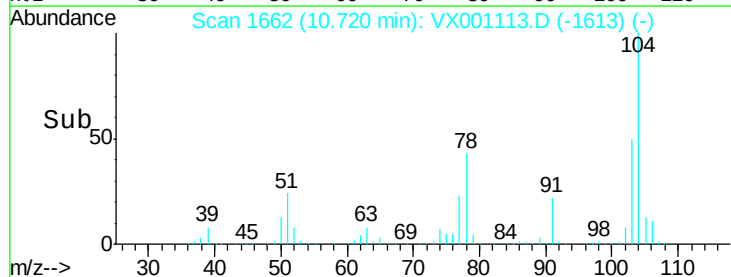
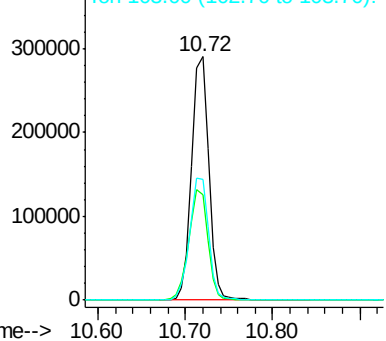


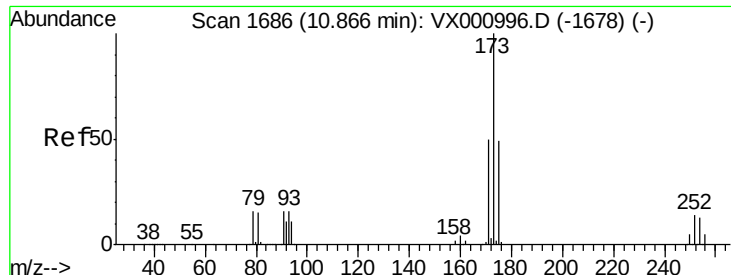
#70
Styrene
Concen: 47.31 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		395369		
78	50.2	39.4	59.2		
103	55.1	44.2	66.2		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 43.59 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 111059

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.3

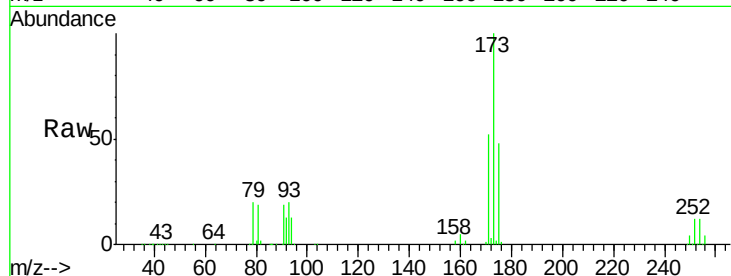
254 0.2 0.2 0.2

Manual Integrations

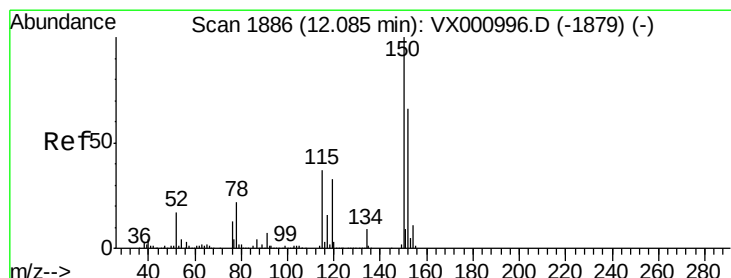
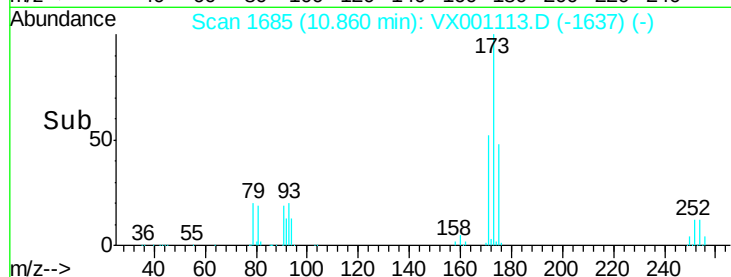
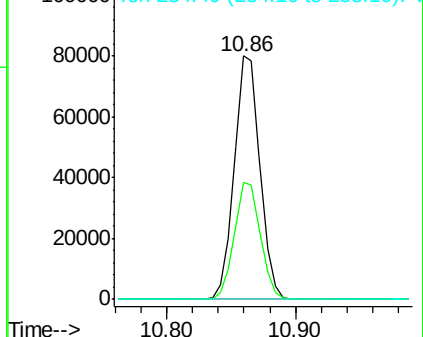
APPROVED

Sohil

4/27/2018 1:46:36 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

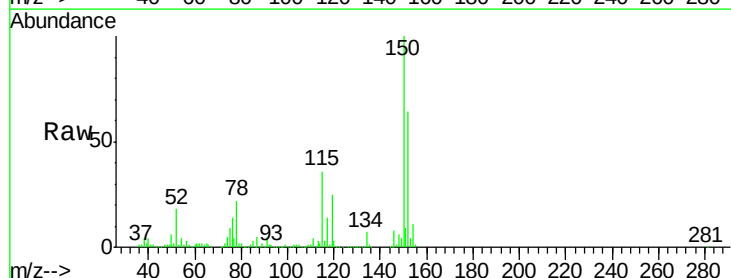
Tgt Ion:152 Resp: 212204

Ion Ratio Lower Upper

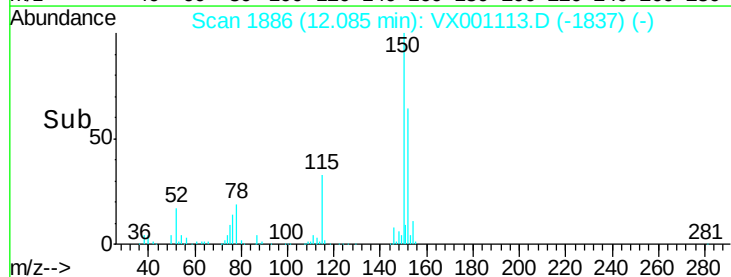
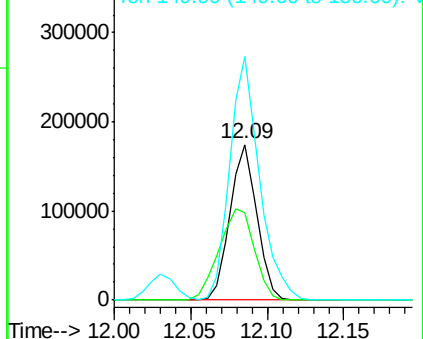
152 100

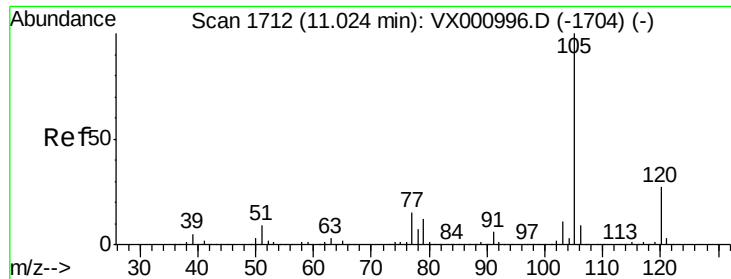
115 77.3 38.2 114.6

150 173.7 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.99 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 651868

Ion Ratio Lower Upper

105 100

120 27.3

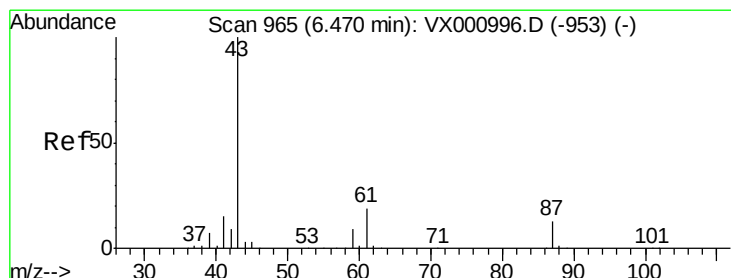
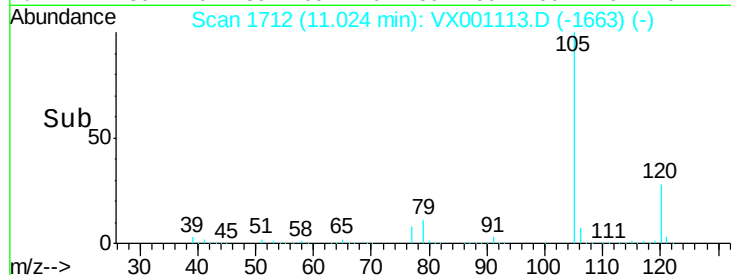
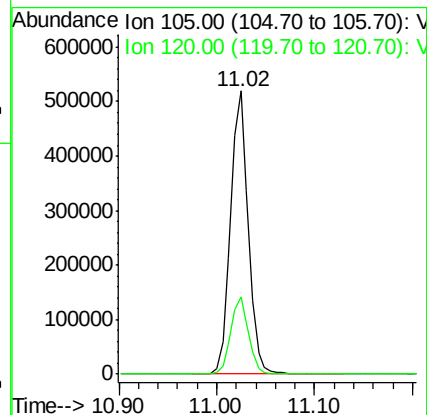
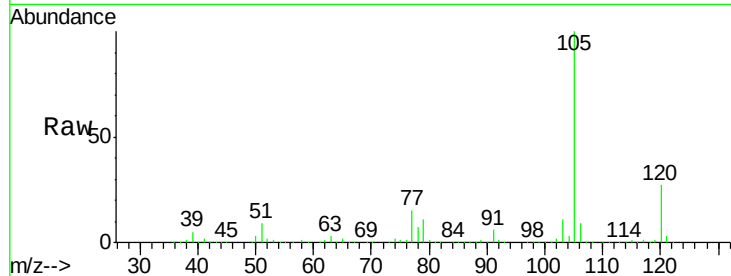
13.4 40.2

Manual Integrations

APPROVED

Sohil

4/27/2018 1:46:36 AM



#74

N-ethyl acetate

Concen: 45.99 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion: 43 Resp: 272947

Ion Ratio Lower Upper

43 100

70 0.0

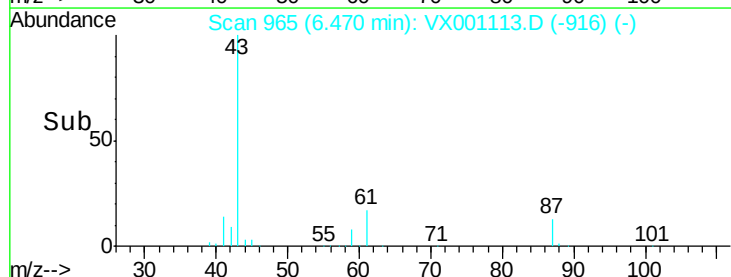
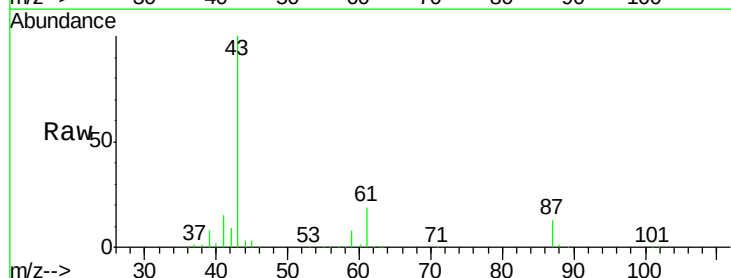
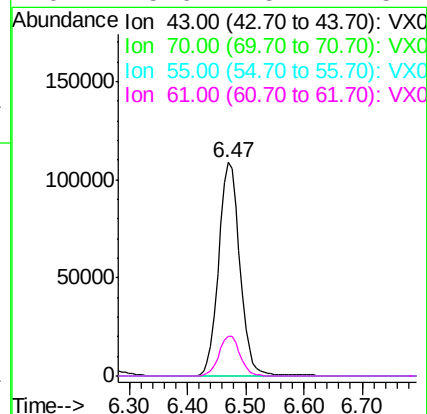
0.0 0.0

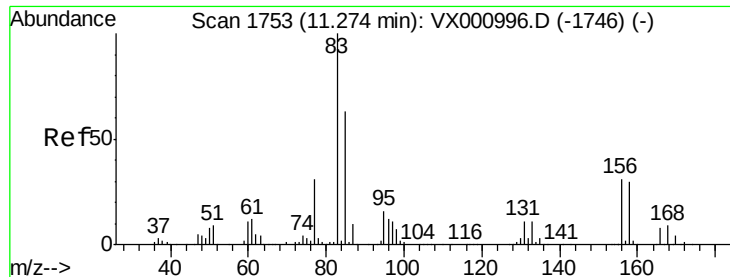
55 0.1

0.1 0.1#

61 18.6

15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.18 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 189215

Ion Ratio Lower Upper

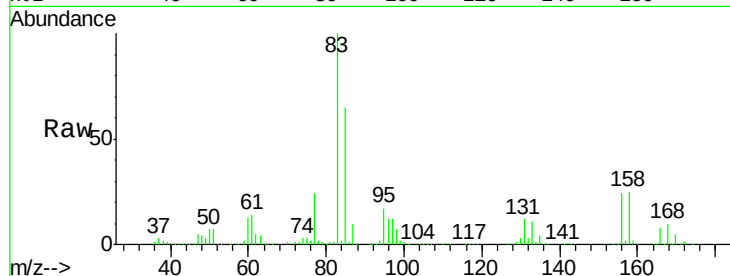
83 100

131 11.9 5.8 17.4

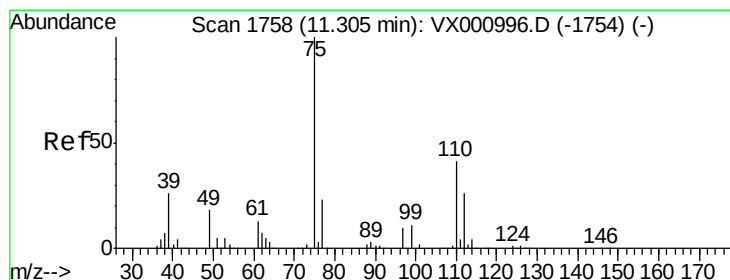
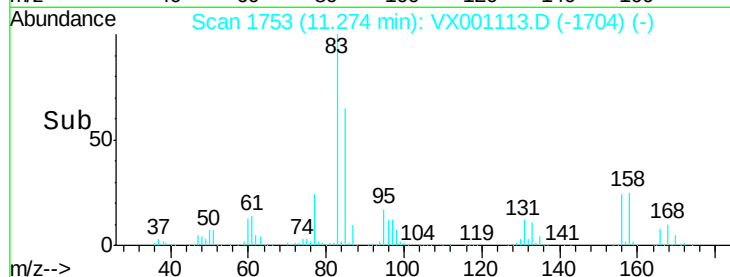
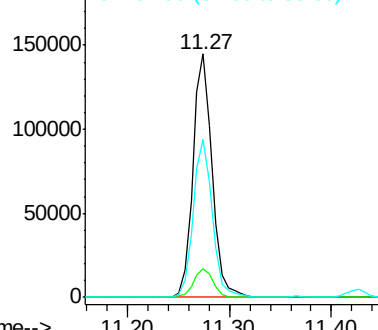
85 64.9 32.0 96.2

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 41.86 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001113.D

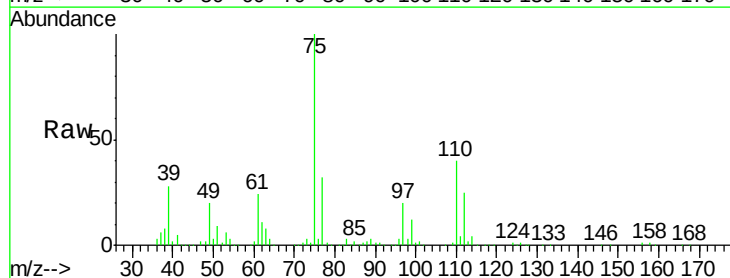
Acq: 25 Apr 2018 10:50

Tgt Ion: 75 Resp: 154110

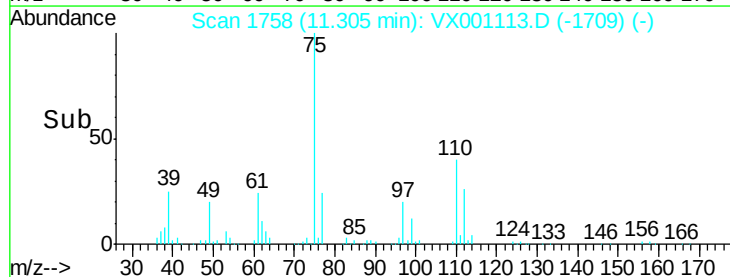
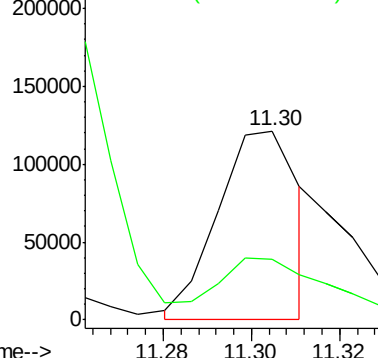
Ion Ratio Lower Upper

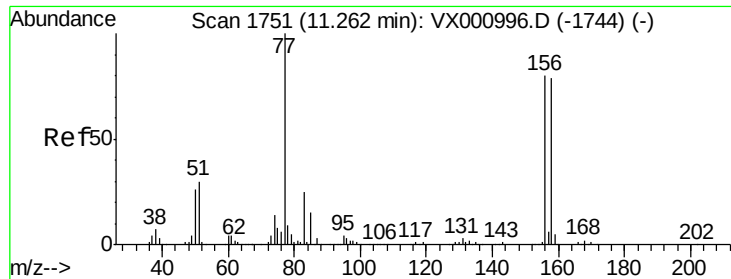
75 100

77 43.5 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: 45.22 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

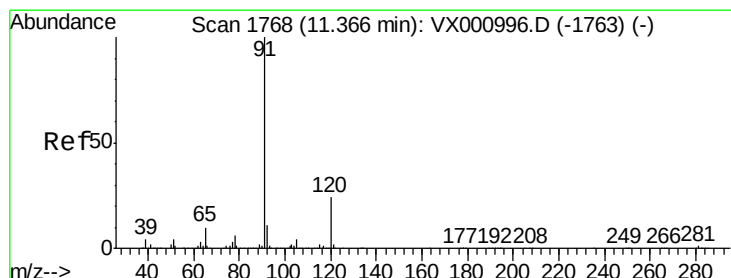
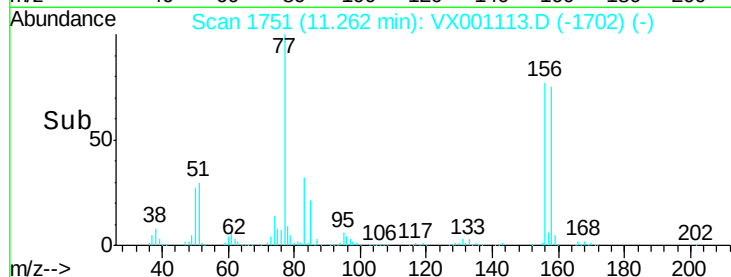
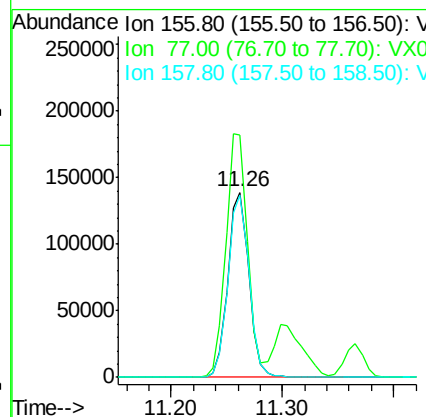
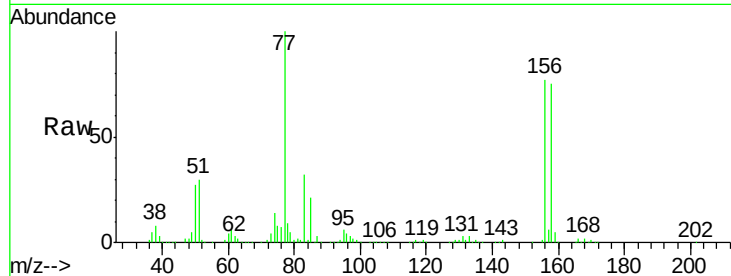
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	182116
Ion Ratio	Lower	Upper	
156	100		
77	134.4	66.3	199.0
158	98.7	48.9	146.6

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#78

n-propylbenzene

Concen: 46.76 ug/l

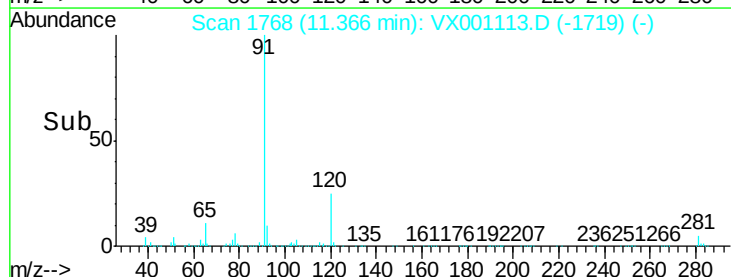
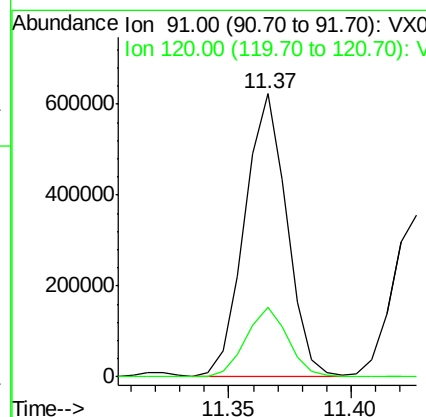
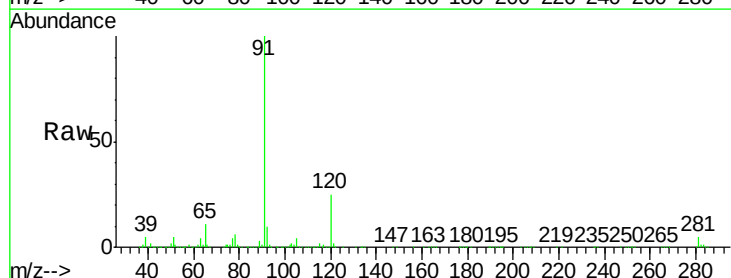
RT: 11.37 min Scan# 1768

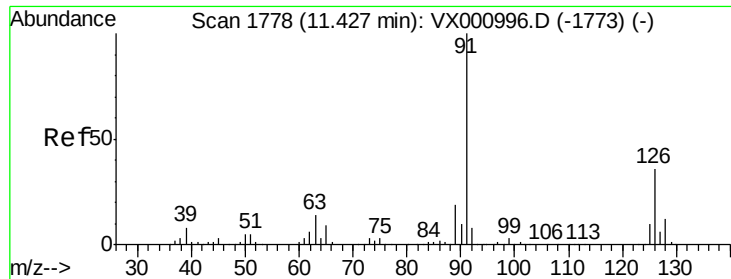
Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion:	91	Resp:	744756
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.4	37.0





#79

2-Chlorotoluene

Concen: 46.56 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 438206

Ion Ratio Lower Upper

91 100

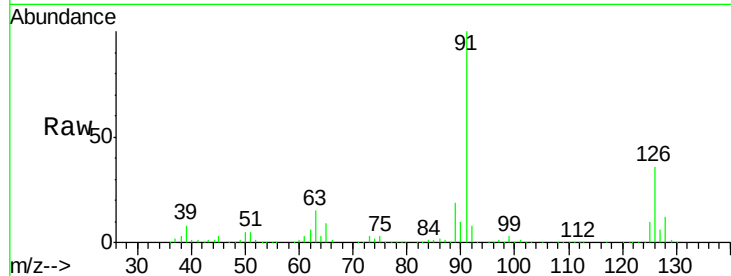
126 36.4 18.3 54.9

Manual Integrations

APPROVED

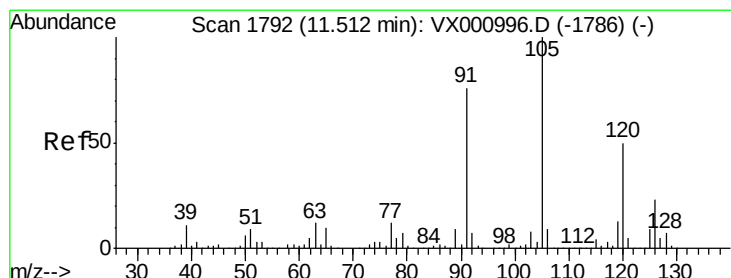
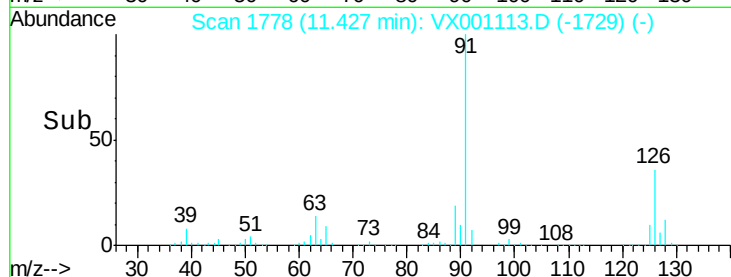
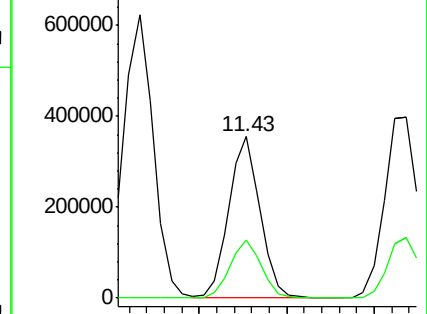
Sohil

4/27/2018 1:46:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VX000996.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000996.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.87 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001113.D

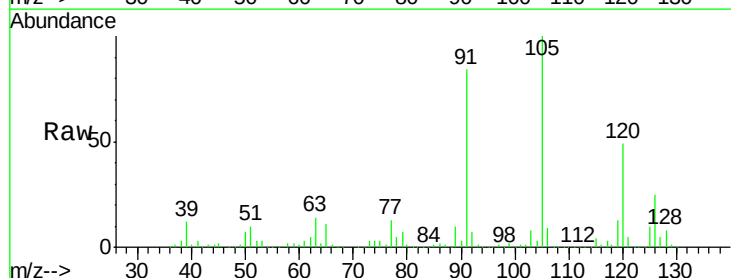
Acq: 25 Apr 2018 10:50

Tgt Ion: 105 Resp: 562971

Ion Ratio Lower Upper

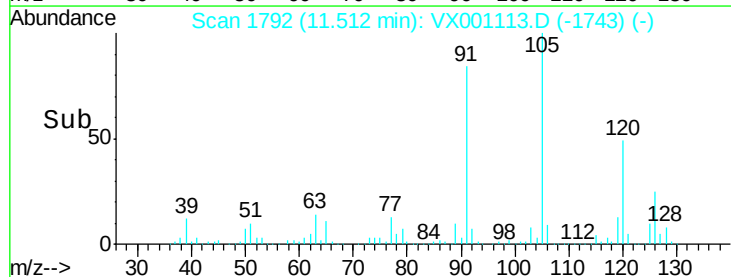
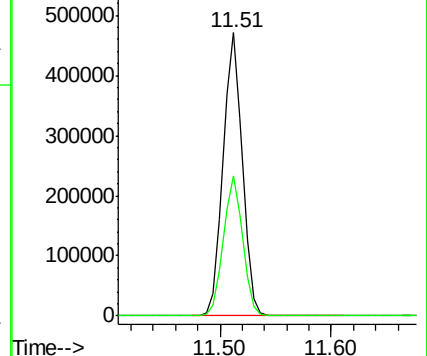
105 100

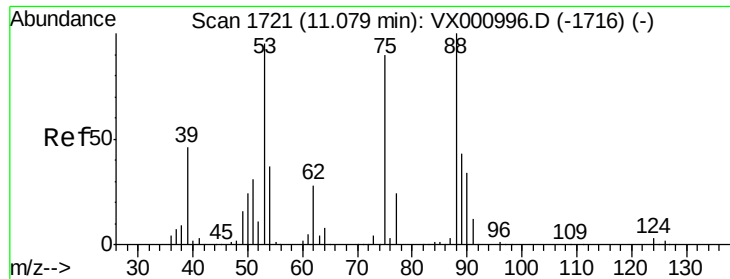
120 49.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000996.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000996.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 41.50 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 49087

Ion Ratio Lower Upper

75 100

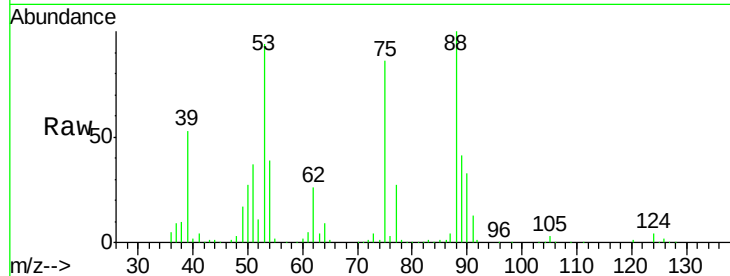
53 111.9 83.4 125.2

89 48.9 39.7 59.5

Manual Integrations
APPROVED

Sohil

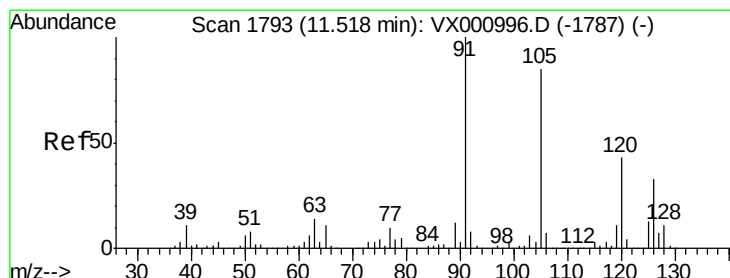
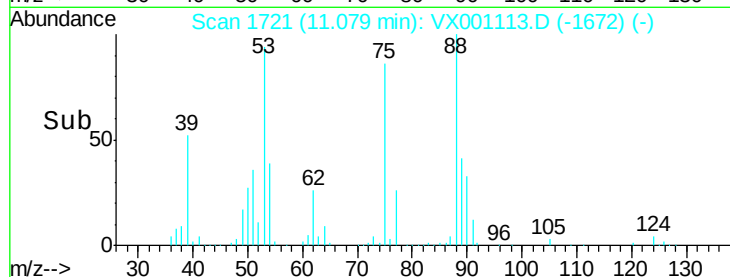
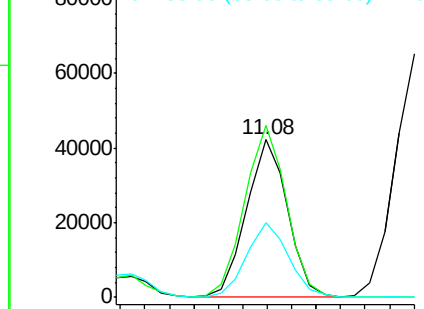
4/27/2018 1:46:36 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.30 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001113.D

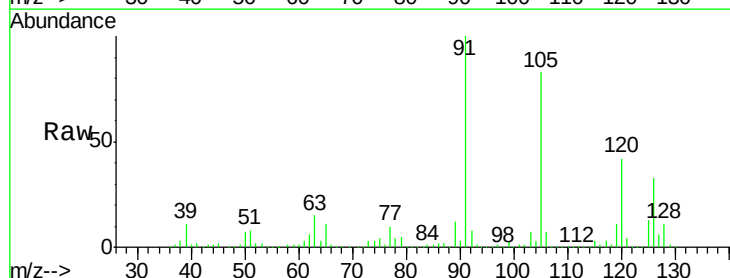
Acq: 25 Apr 2018 10:50

Tgt Ion: 91 Resp: 526547

Ion Ratio Lower Upper

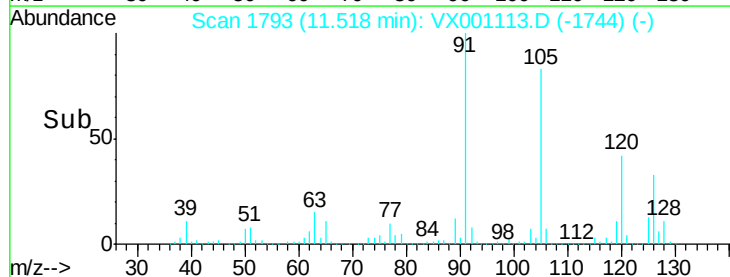
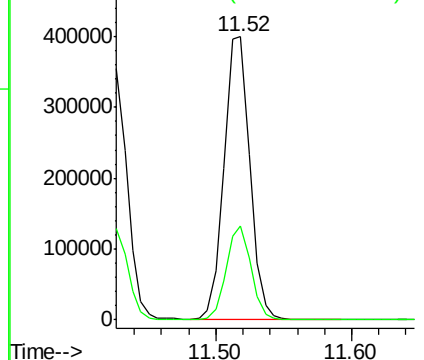
91 100

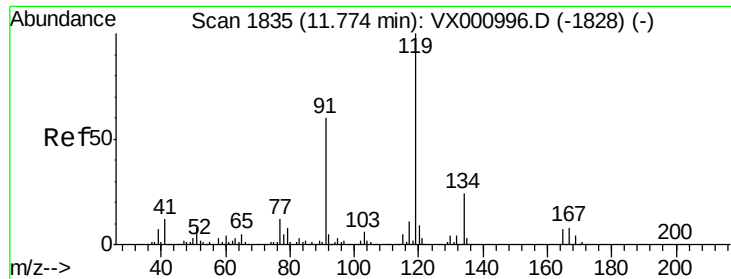
126 31.8 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





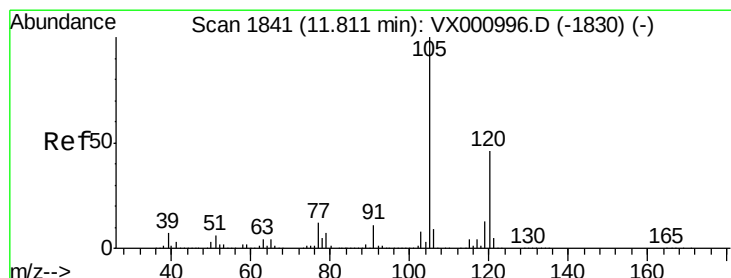
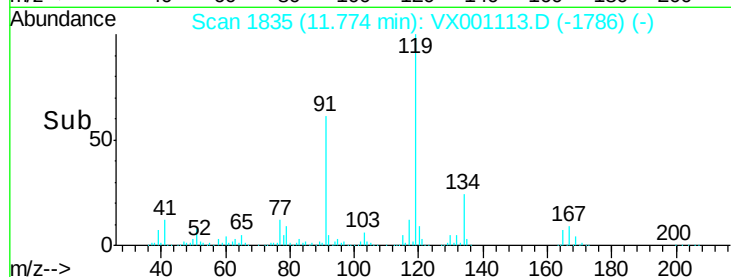
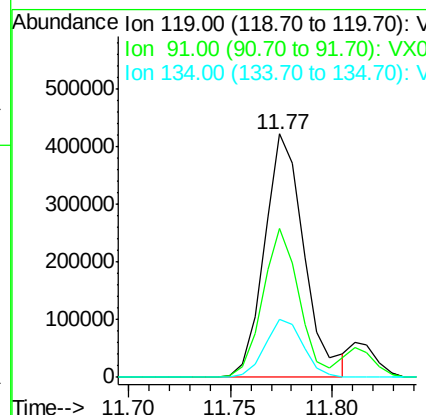
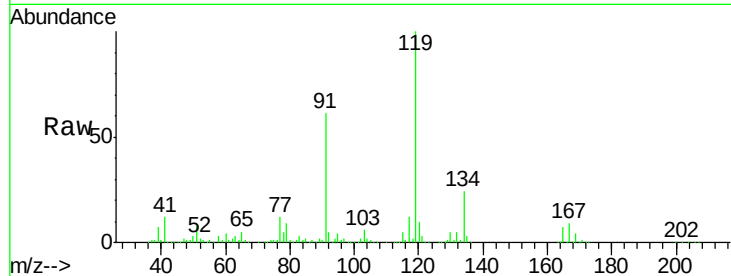
#83
 tert-Butylbenzene
 Concen: 48.33 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.0	81.0
134	23.1	11.6	34.7

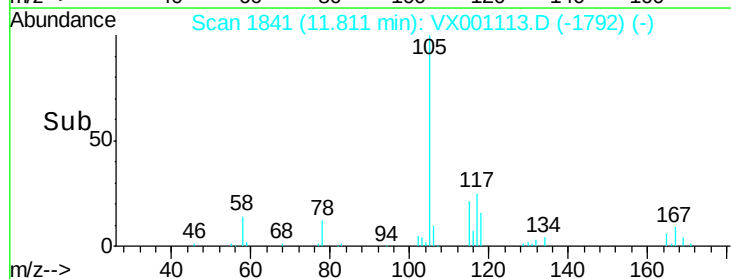
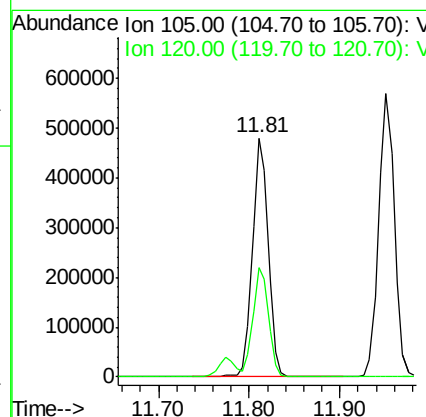
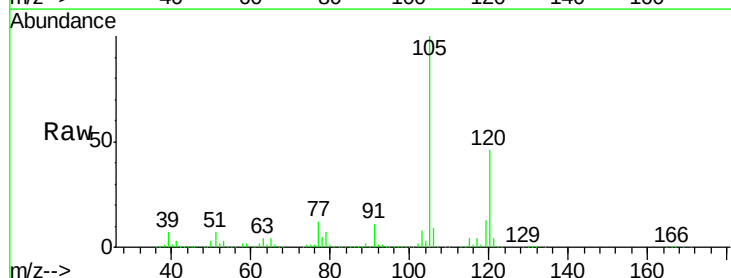
Manual Integrations
 APPROVED

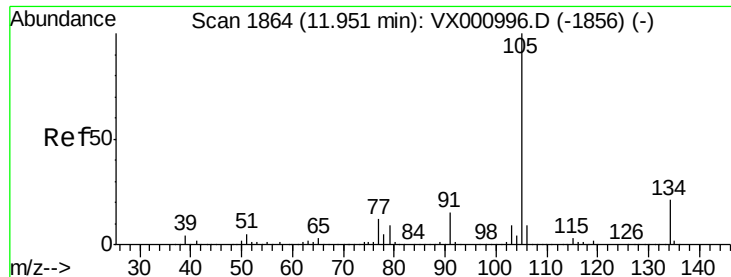
Sohil
 4/27/2018 1:46:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.80 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 48.43 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 685774

Ion Ratio Lower Upper

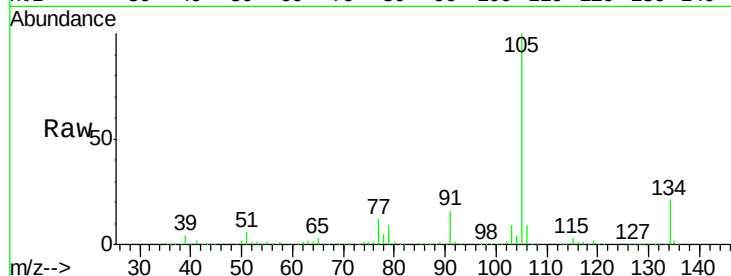
105 100

134 21.3 10.5 31.6

Manual Integrations
APPROVED

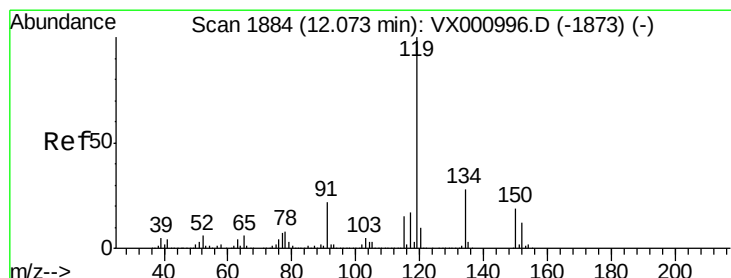
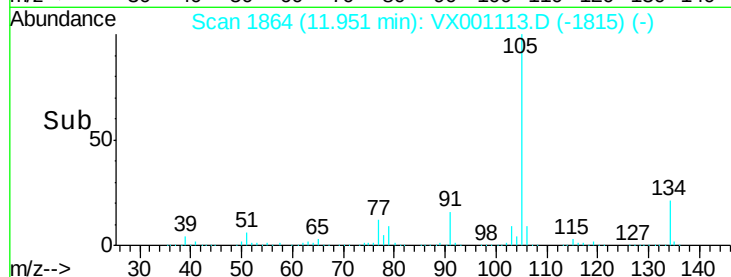
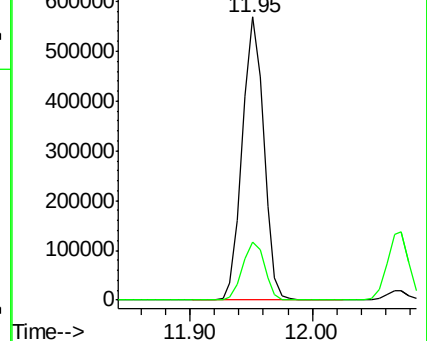
Sohil

4/27/2018 1:46:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.65 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

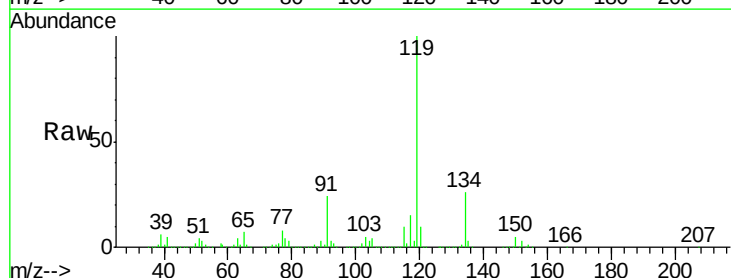
Tgt Ion:119 Resp: 637243

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

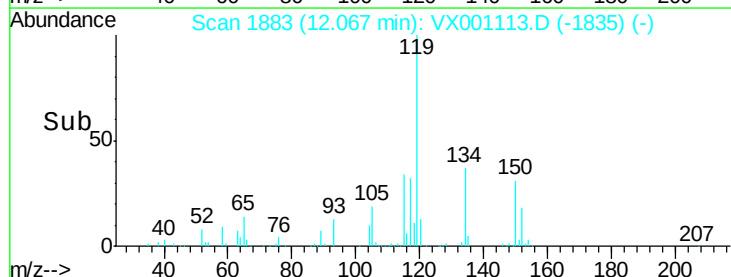
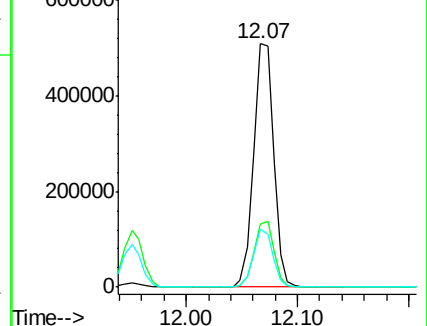
91 23.2 11.4 34.1

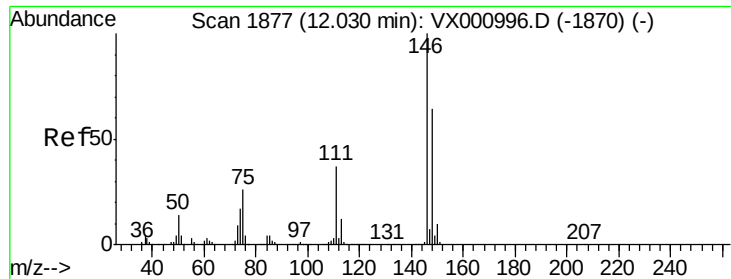


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.07 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

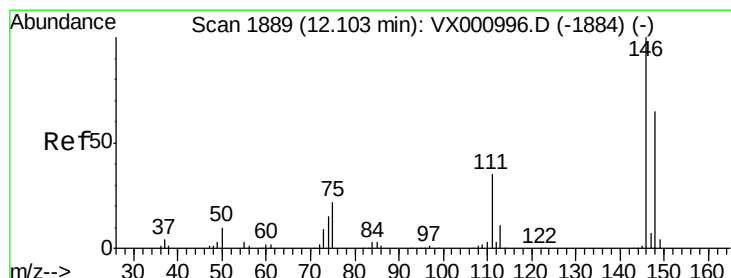
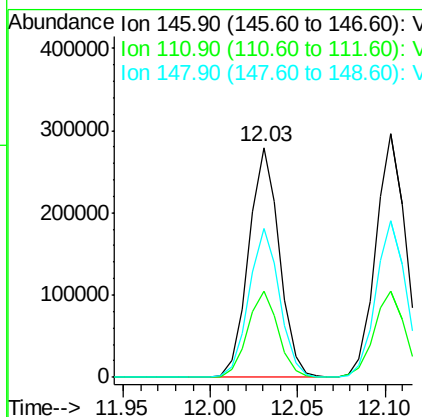
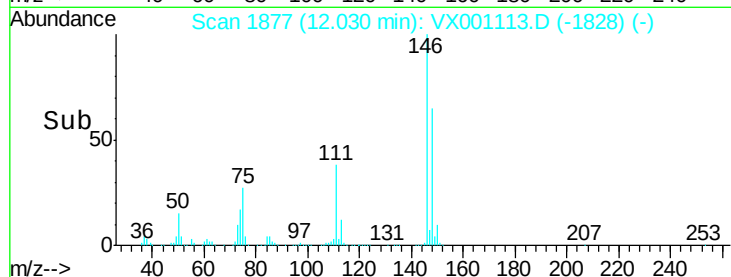
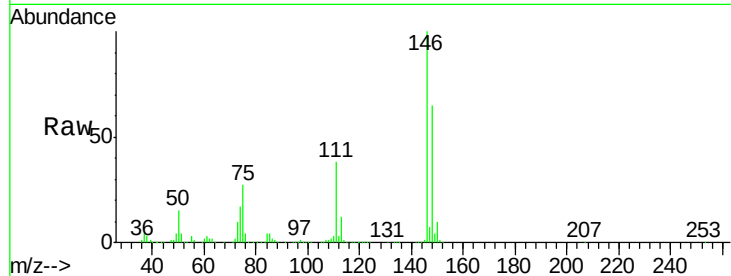
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	339760
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.3	54.8
148	64.7	32.2	96.6

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#88

1,4-Dichlorobenzene

Concen: 45.20 ug/l

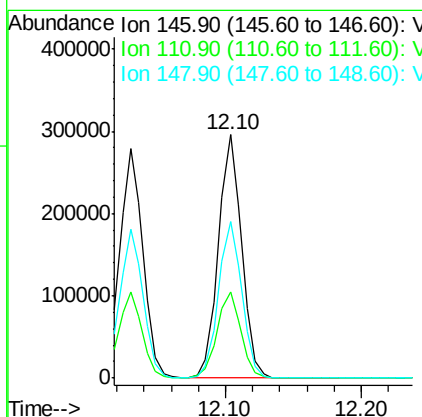
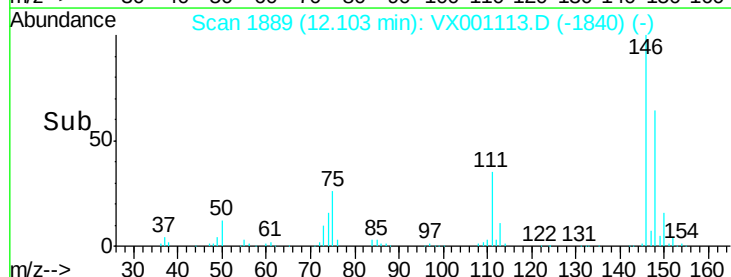
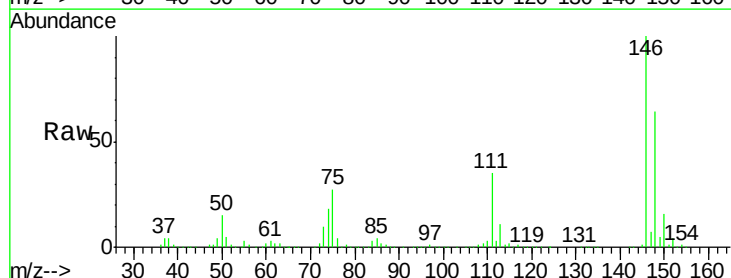
RT: 12.10 min Scan# 1889

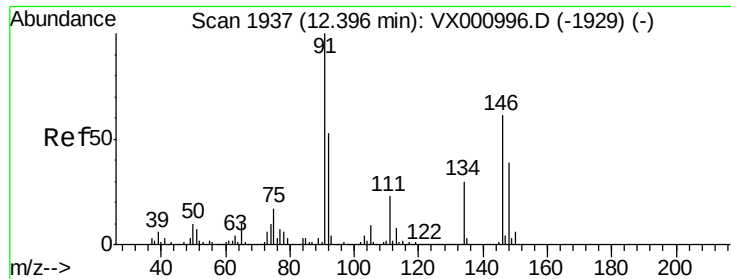
Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion:	146	Resp:	349756
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.0	54.0
148	64.9	32.4	97.0





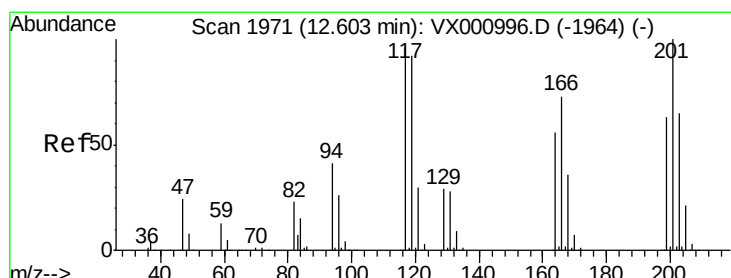
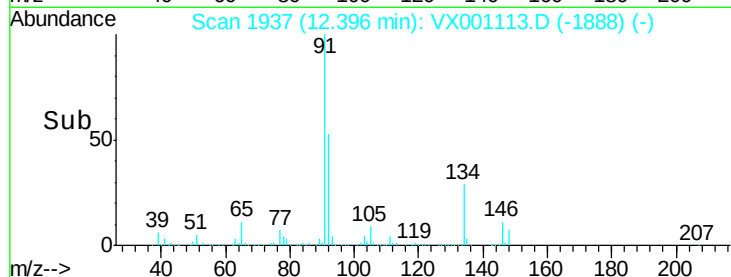
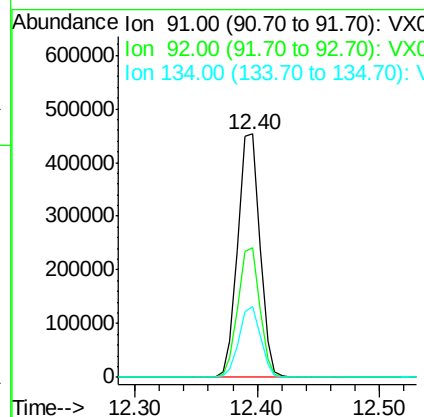
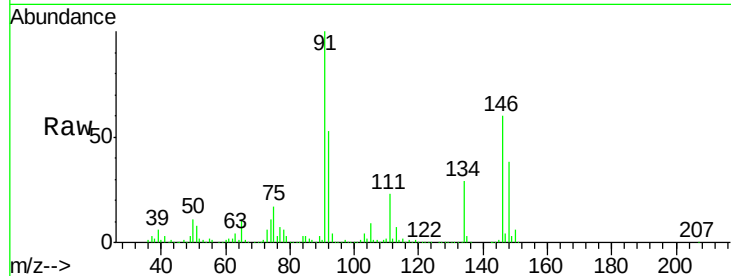
#89
n-Butylbenzene
Concen: 48.27 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.3	78.9	
134	28.5	14.4	43.0	

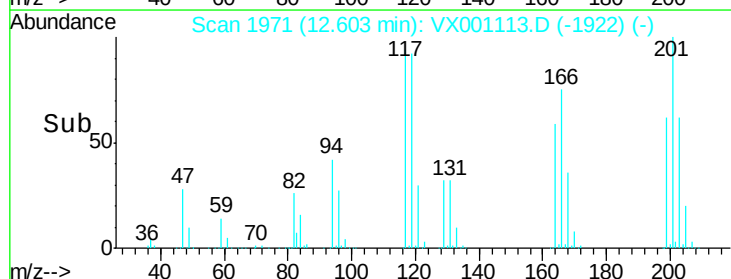
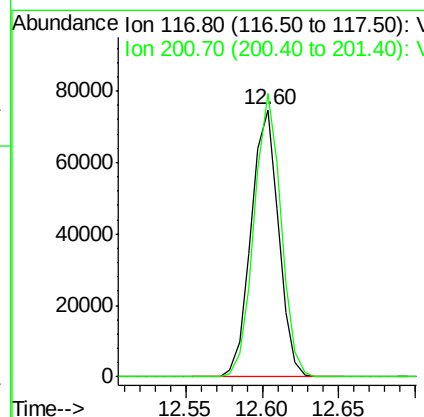
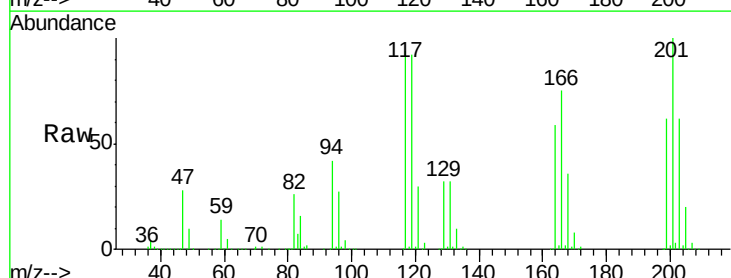
Manual Integrations
APPROVED

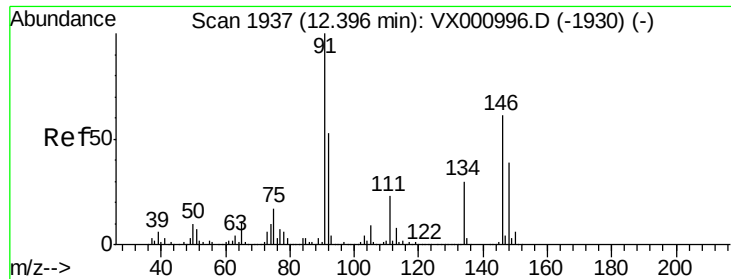
Sohil
4/27/2018 1:46:36 AM



#90
Hexachloroethane
Concen: 50.37 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001113.D
Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	103.3	52.3	157.1	





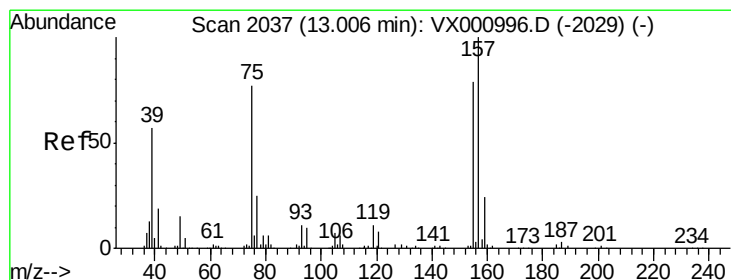
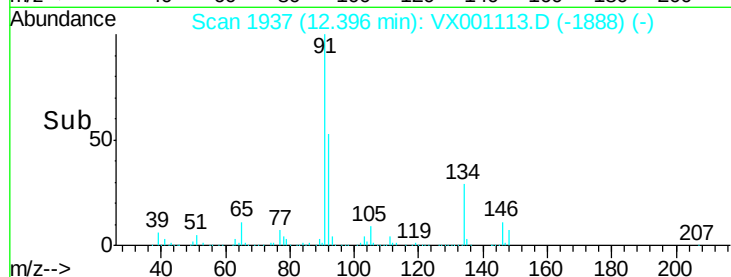
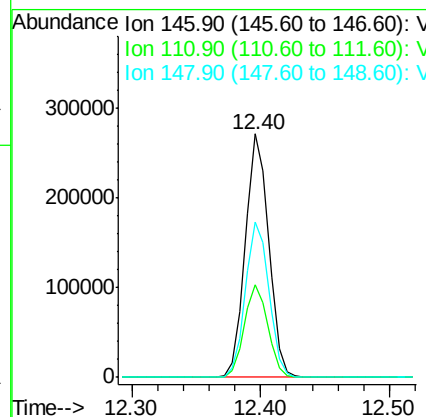
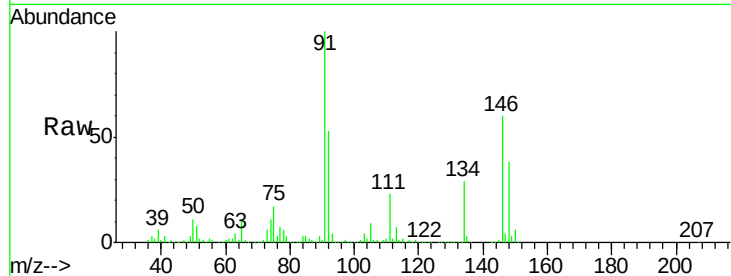
#91
 1,2-Dichlorobenzene
 Concen: 46.56 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	339811		
111	38.2	18.6	56.0	
148	64.3	32.3	96.8	

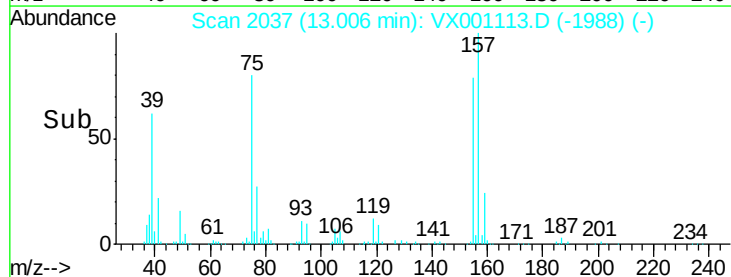
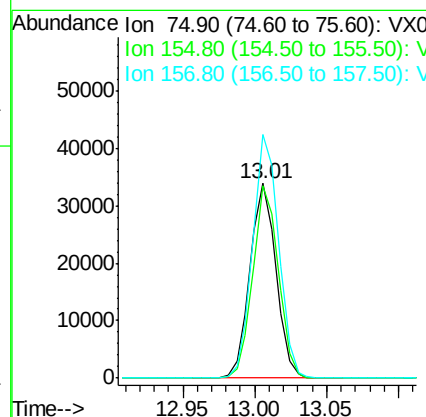
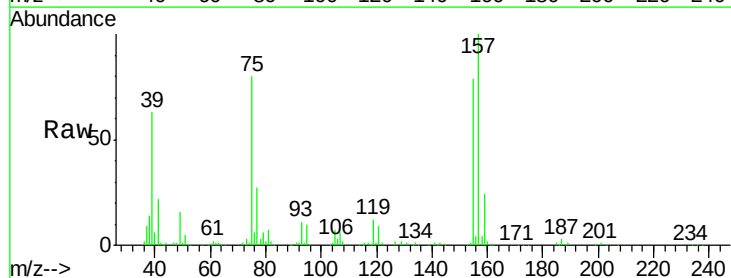
Manual Integrations
 APPROVED

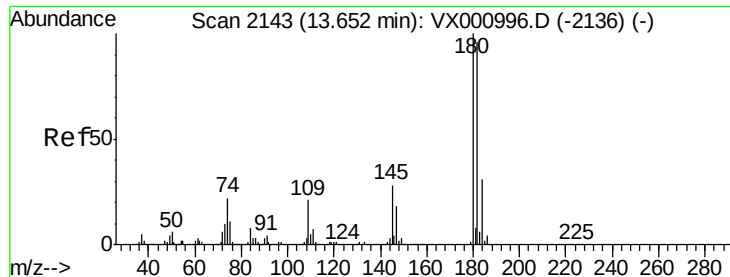
Sohil
 4/27/2018 1:46:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.40 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42286		
155	96.5	51.0	153.0	
157	124.3	64.9	194.7	





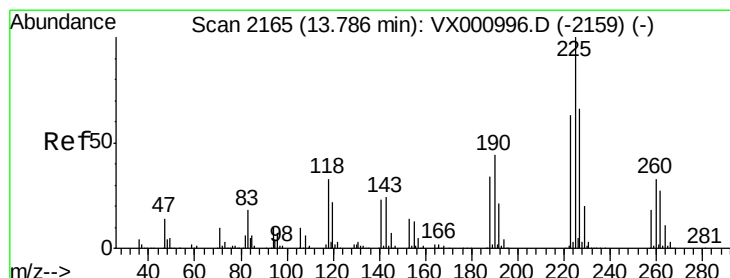
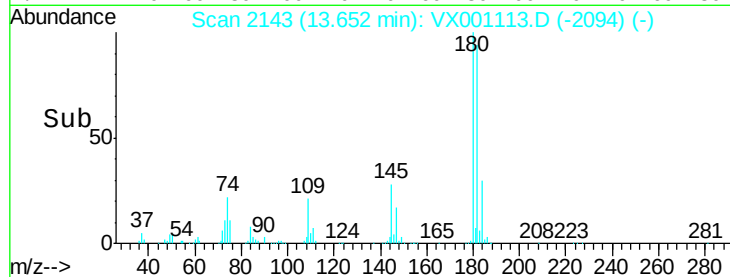
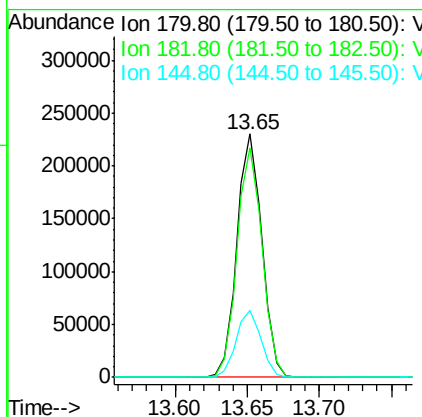
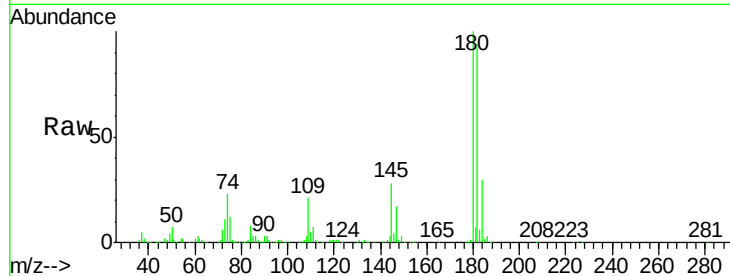
#93
 1,2,4-Trichlorobenzene
 Concen: 45.48 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278626		
182	94.7	48.0	144.0	
145	27.5	13.9	41.7	

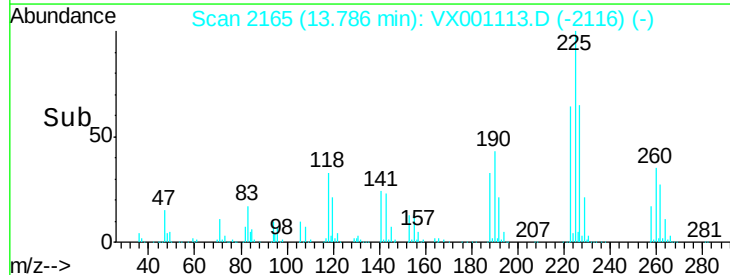
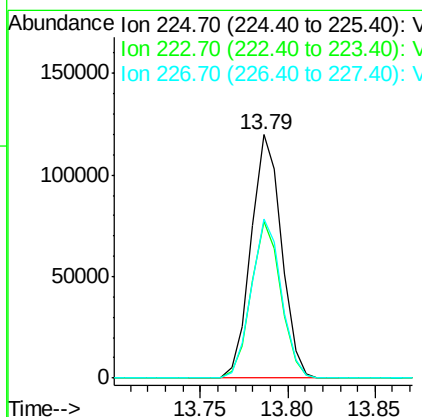
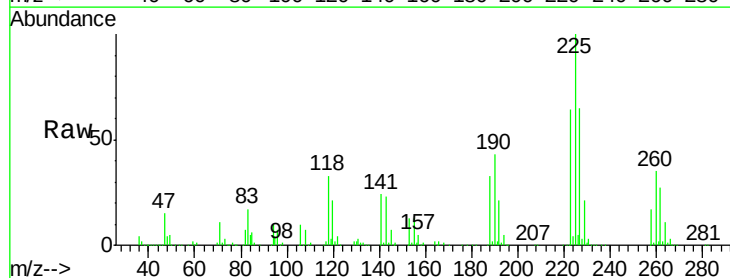
Manual Integrations
 APPROVED

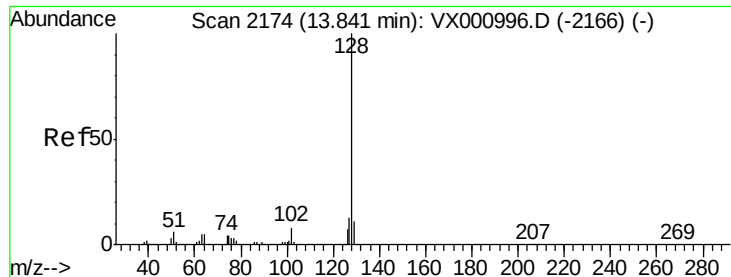
Sohil
 4/27/2018 1:46:36 AM



#94
 Hexachlorobutadiene
 Concen: 52.31 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001113.D
 Acq: 25 Apr 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145020		
223	62.9	31.5	94.5	
227	64.4	32.6	97.8	





#95

Naphthalene

Concen: 47.88 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Instrument :

MSVOA_X

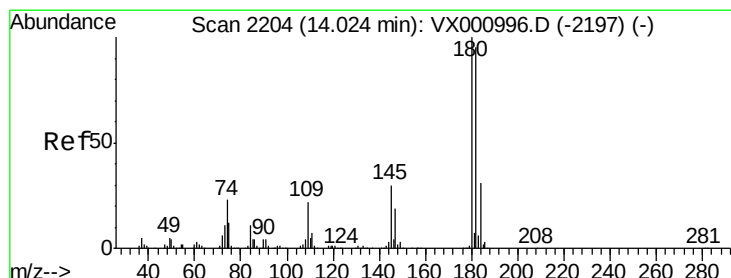
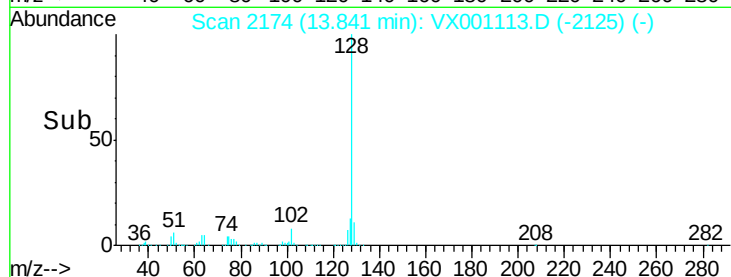
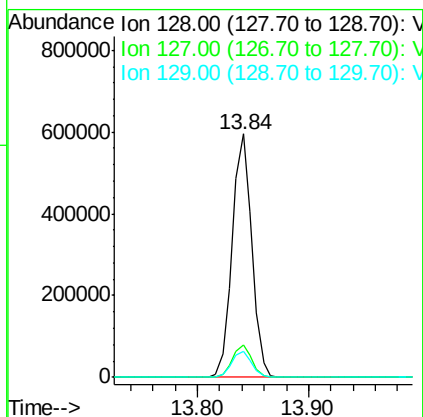
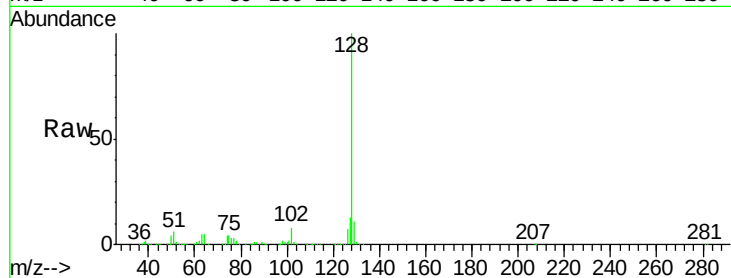
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	721446
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

Sohil
4/27/2018 1:46:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.52 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001113.D

Acq: 25 Apr 2018 10:50

Tgt Ion:	180	Resp:	275671
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	28.9	14.5	43.6

