

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004070.D
 Acq On : 15 Aug 2018 12:57
 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

MMDadoda
 8/16/2018 4:39:01 PM

Quant Time: Aug 15 15:52:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	308580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	430977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	417908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	267122	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	211899	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	5.50	113	175444	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
50) Toluene-d8	8.71	98	689713	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.14	95	255723	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	154043	51.28	ug/l	99
3) Chloromethane	1.32	50	171866	46.62	ug/l	99
4) Vinyl Chloride	1.40	62	187939	47.12	ug/l	99
5) Bromomethane	1.64	94	101215	50.08	ug/l	100
6) Chloroethane	1.72	64	132970	50.71	ug/l	98
7) Trichlorofluoromethane	1.93	101	271604	48.55	ug/l	100
8) Diethyl Ether	2.18	74	115149	47.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	172258	49.35	ug/l	100
10) Methyl Iodide	2.51	142	167546	45.45	ug/l	99
11) Tert butyl alcohol	3.04	59	200070	228.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	153216	47.20	ug/l	98
13) Acrolein	2.29	56	131041	221.89	ug/l	100
14) Allyl chloride	2.73	41	287716	46.58	ug/l	96
15) Acrylonitrile	3.14	53	506271	231.92	ug/l	100
16) Acetone	2.43	43	549209	242.96	ug/l	99
17) Carbon Disulfide	2.57	76	433686	47.10	ug/l	100
18) Methyl Acetate	2.77	43	233648	46.51	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	533490	46.65	ug/l	100
20) Methylene Chloride	2.86	84	182503	49.39	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	171398	46.49	ug/l	99
22) Diisopropyl ether	3.86	45	607204	50.17	ug/l	93
23) Vinyl Acetate	3.82	43	2566545	258.17	ug/l	99
24) 1,1-Dichloroethane	3.70	63	337935	49.29	ug/l	99
25) 2-Butanone	4.70	43	866061	235.47	ug/l	100
26) 2,2-Dichloropropane	4.58	77	258594	47.44	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	198880	47.97	ug/l	98
28) Bromochloromethane	5.02	49	156314	49.70	ug/l	99
29) Tetrahydrofuran	5.15	42	429882	228.77	ug/l	99
30) Chloroform	5.21	83	328022	49.03	ug/l	99
31) Cyclohexane	5.57	56	292735	48.71	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	277624	49.65	ug/l	98
36) 1,1-Dichloropropene	5.80	75	251895	51.36	ug/l	100
37) Ethyl Acetate	4.85	43	257018	48.13	ug/l	100
38) Carbon Tetrachloride	5.78	117	246706	51.78	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004070.D
 Acq On : 15 Aug 2018 12:57
 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

MMDadoda
 8/16/2018 4:39:01 PM

Quant Time: Aug 15 15:52:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	305343	54.88	ug/l	100
40) Benzene	6.14	78	758298	51.49	ug/l	100
41) Methacrylonitrile	5.06	41	145097	48.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	260160	50.47	ug/l	99
43) Isopropyl Acetate	6.46	43	393291	49.96	ug/l	100
44) Trichloroethene	7.21	130	201256	50.34	ug/l	90
45) 1,2-Dichloropropane	7.52	63	193344	51.29	ug/l	99
46) Dibromomethane	7.67	93	125751	51.04	ug/l	98
47) Bromodichloromethane	7.90	83	243680	52.23	ug/l	100
48) Methyl methacrylate	7.78	41	211100	53.27	ug/l	99
49) 1,4-Dioxane	7.76	88	92671	1038.71	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1698940	263.21	ug/l	100
52) Toluene	8.79	92	489640	52.57	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	275344	54.62	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	301591	54.03	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	193397	50.28	ug/l	98
56) Ethyl methacrylate	9.18	69	286346	54.75	ug/l	100
57) 1,3-Dichloropropane	9.37	76	329852	51.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	763910	286.85	ug/l	100
59) 2-Hexanone	9.50	43	1308275	269.31	ug/l	100
60) Dibromochloromethane	9.59	129	196865	53.19	ug/l	100
61) 1,2-Dibromoethane	9.67	107	204329	52.12	ug/l	99
64) Tetrachloroethene	9.34	164	199995	50.49	ug/l	96
65) Chlorobenzene	10.14	112	540871	50.10	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	185532	50.39	ug/l	98
67) Ethyl Benzene	10.25	91	911742	53.34	ug/l	96
68) m/p-Xylenes	10.36	106	735529	109.88	ug/l	96
69) o-Xylene	10.70	106	343253	53.66	ug/l	96
70) Styrene	10.71	104	585929	54.42	ug/l	98
71) Bromoform	10.86	173	149992	51.37	ug/l	98
73) Isopropylbenzene	11.02	105	951791	52.65	ug/l	97
74) N-amyl acetate	6.46	43	393291	46.26	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	301621	47.78	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	278374m	51.97	ug/l	
77) Bromobenzene	11.26	156	247287	49.62	ug/l	100
78) n-propylbenzene	11.36	91	1105159	54.63	ug/l	100
79) 2-Chlorotoluene	11.42	91	646771	52.46	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	761972	51.48	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	90352	52.21	ug/l	98
82) 4-Chlorotoluene	11.51	91	753652	51.72	ug/l	99
83) tert-Butylbenzene	11.77	119	771894	51.72	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	822760	53.67	ug/l	100
85) sec-Butylbenzene	11.94	105	936852	53.64	ug/l	99
86) p-Isopropyltoluene	12.07	119	851659	53.86	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	462474	48.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	472550	48.31	ug/l	100
89) n-Butylbenzene	12.39	91	687975	55.21	ug/l	100
90) Hexachloroethane	12.60	117	116133	49.08	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	422836	49.33	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53008	47.78	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
Data File : VX004070.D
Acq On : 15 Aug 2018 12:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

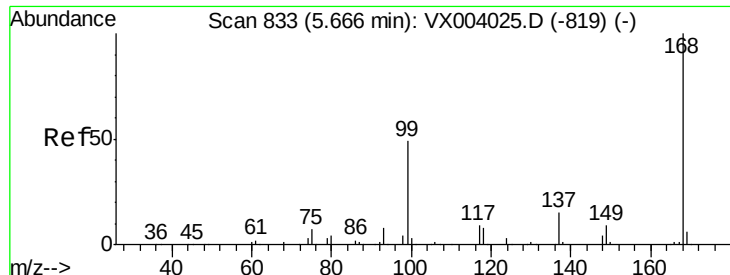
Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM

Quant Time: Aug 15 15:52:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	291085	49.68	ug/l	97
94) Hexachlorobutadiene	13.79	225	142202	48.42	ug/l	99
95) Naphthalene	13.83	128	924056	49.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	311523	48.76	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 308580

Ion Ratio Lower Upper

168 100

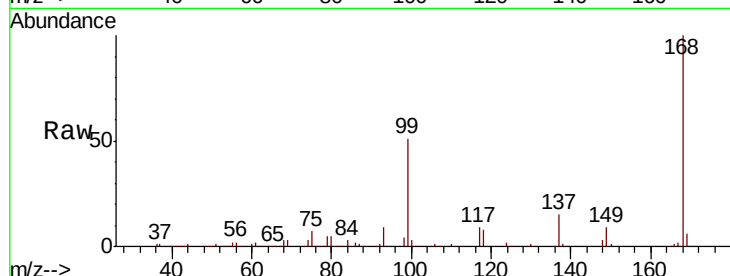
99 50.7 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

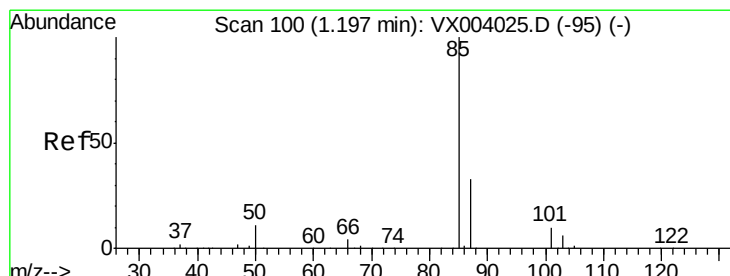
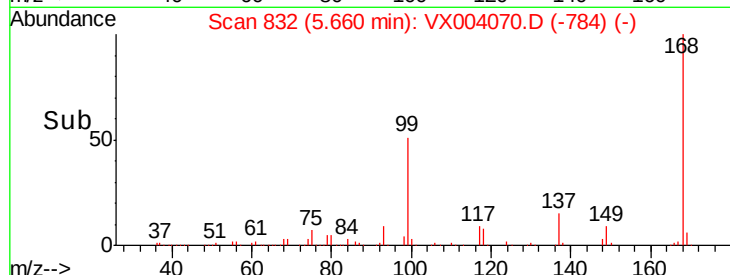
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004070.D

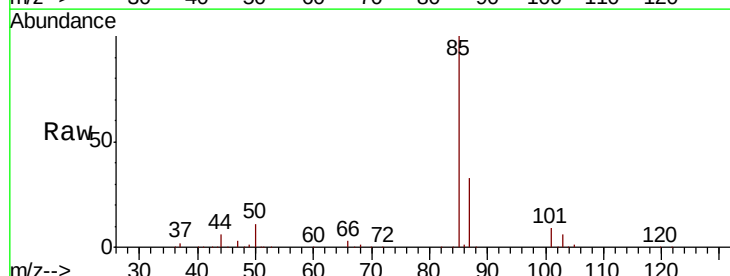
Acq: 15 Aug 2018 12:57

Tgt Ion: 85 Resp: 154043

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

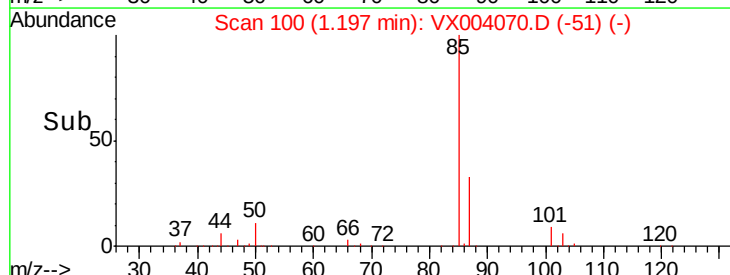
150000

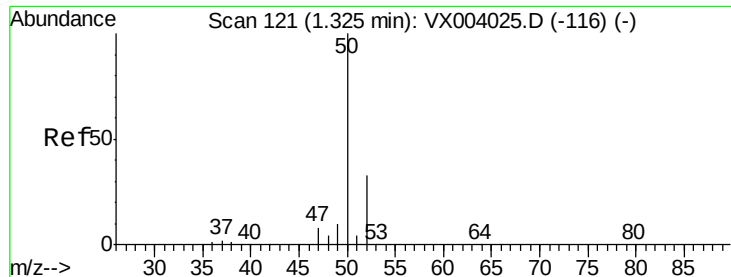
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 171866

Ion Ratio Lower Upper

50 100

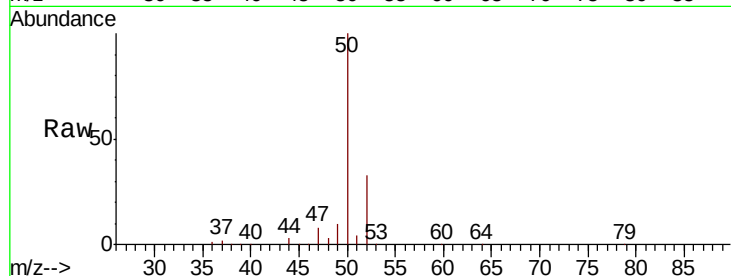
52 32.6 26.6 39.8

Manual Integrations

APPROVED

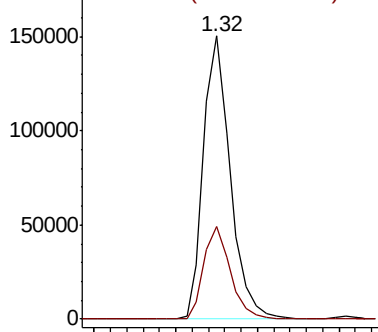
MMDadoda

8/16/2018 4:39:01 PM

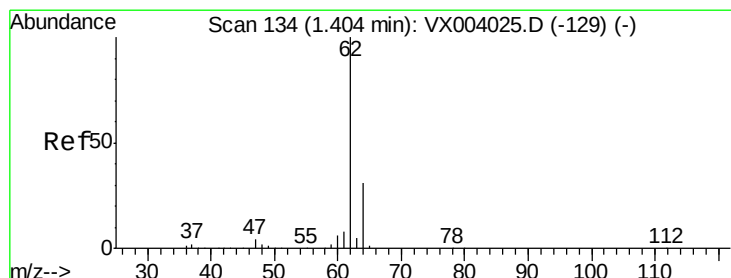
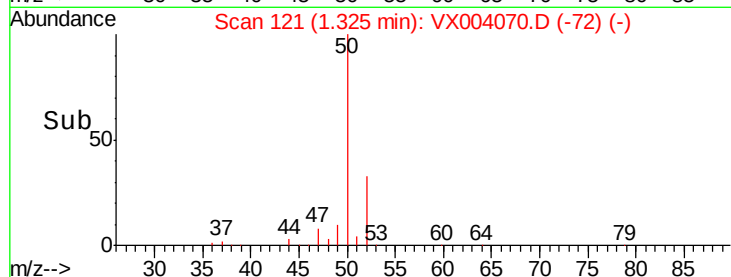


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 47.12 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004070.D

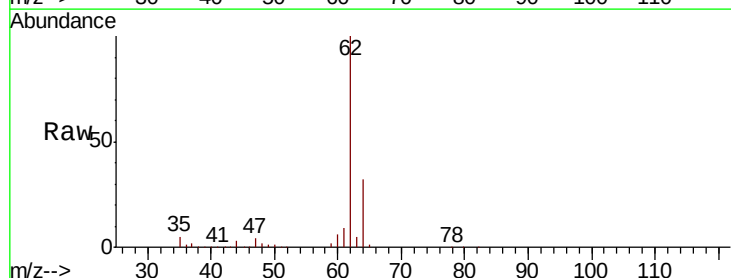
Acq: 15 Aug 2018 12:57

Tgt Ion: 62 Resp: 187939

Ion Ratio Lower Upper

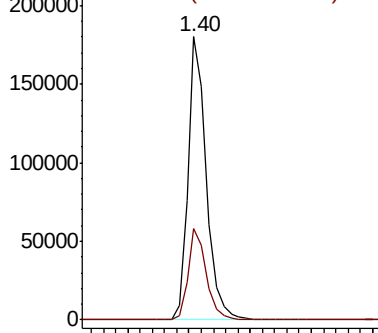
62 100

64 32.1 26.0 39.0

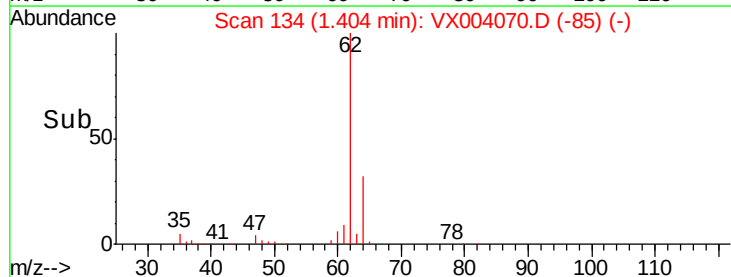


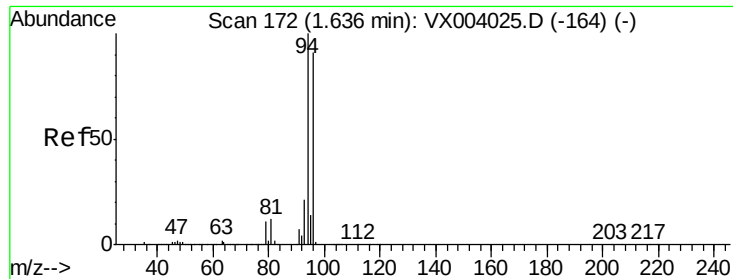
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 50.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101215

Ion Ratio Lower Upper

94 100

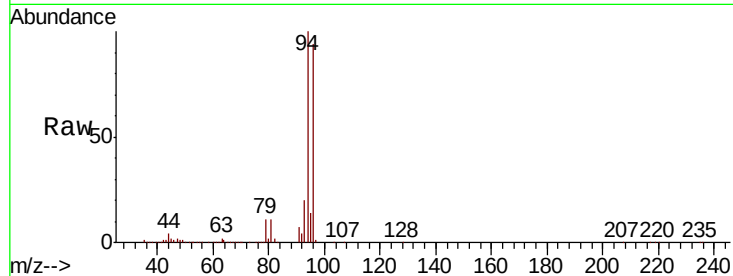
96 94.0 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

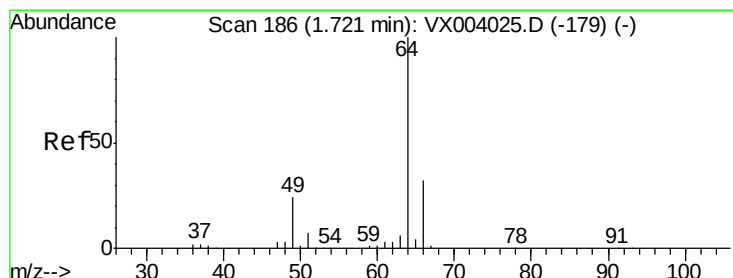
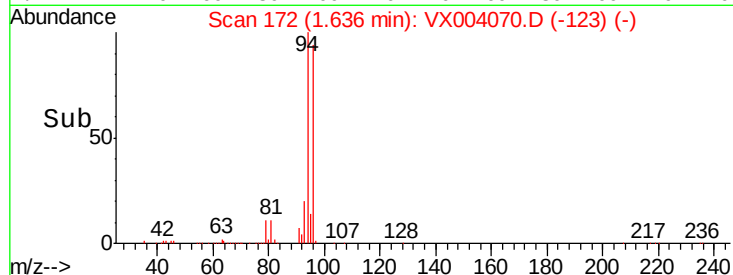
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.71 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004070.D

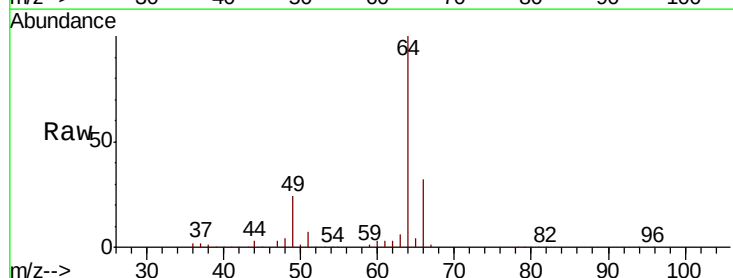
Acq: 15 Aug 2018 12:57

Tgt Ion: 64 Resp: 132970

Ion Ratio Lower Upper

64 100

66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

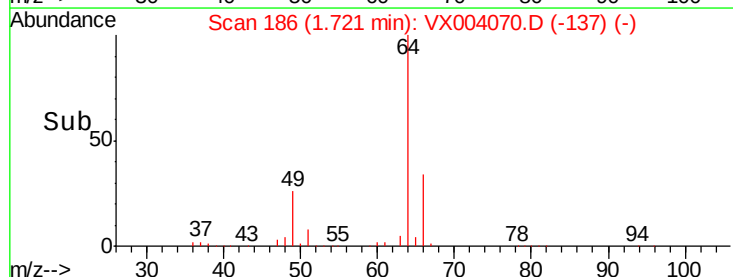
60000

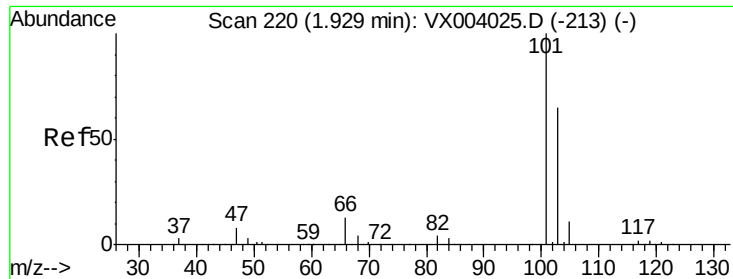
40000

20000

0

Time-->





#7

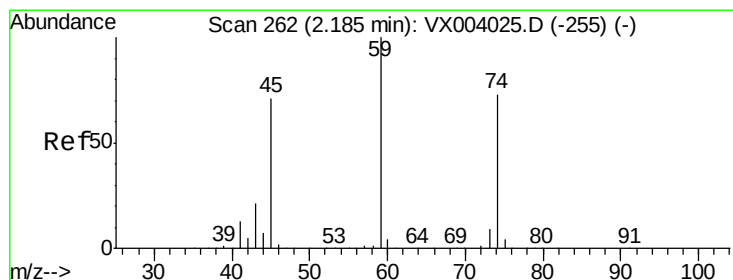
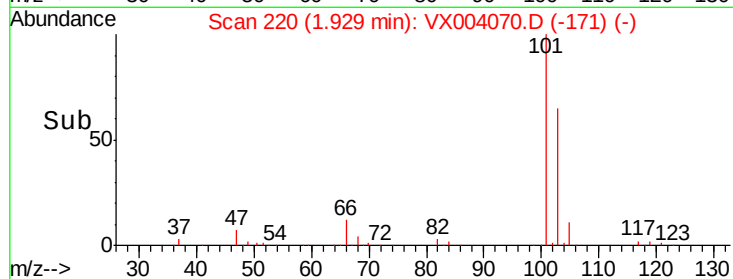
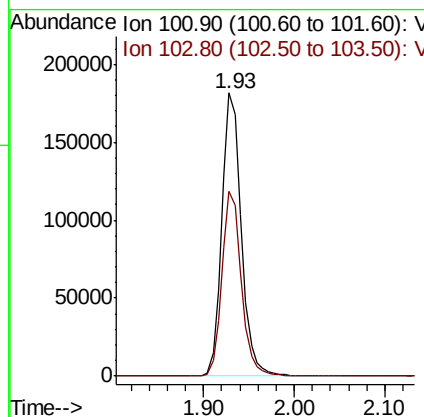
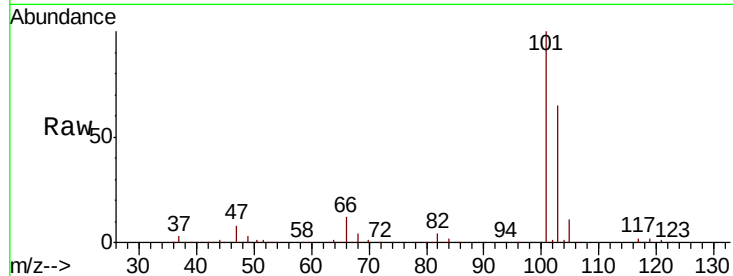
Trichlorofluoromethane
Concen: 48.55 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
APPROVED

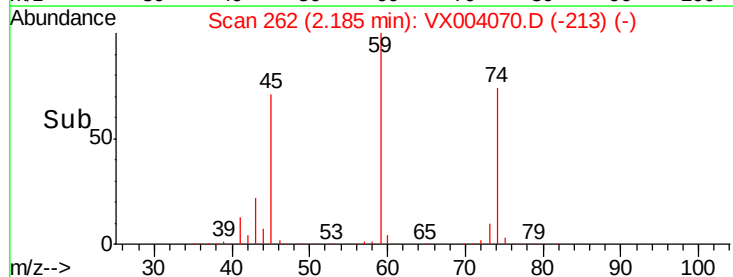
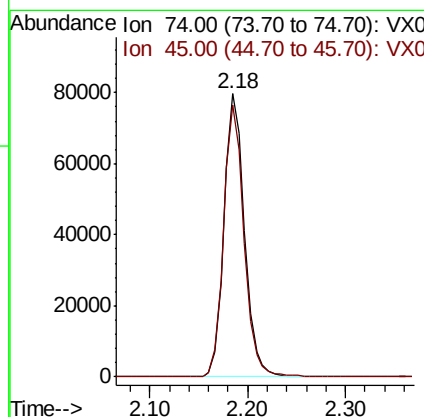
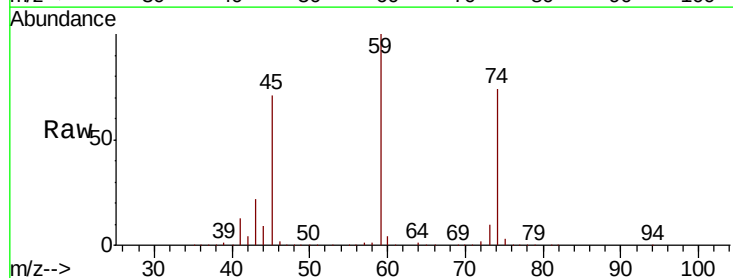
MMDadoda
8/16/2018 4:39:01 PM

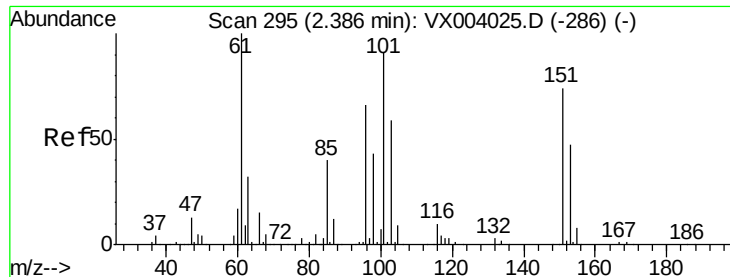


#8

Diethyl Ether
Concen: 47.14 ug/l
RT: 2.18 min Scan# 262
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.35 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

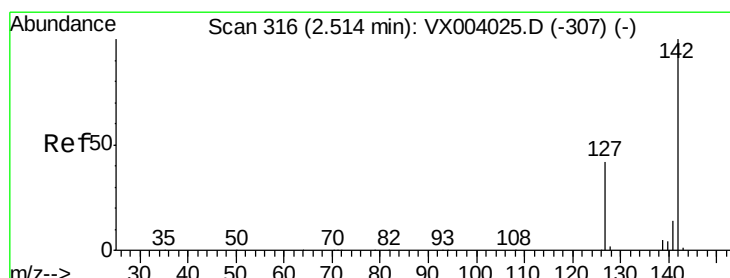
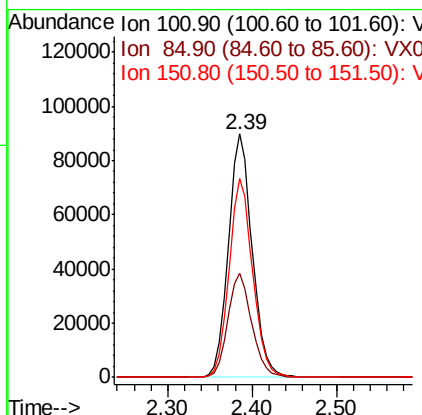
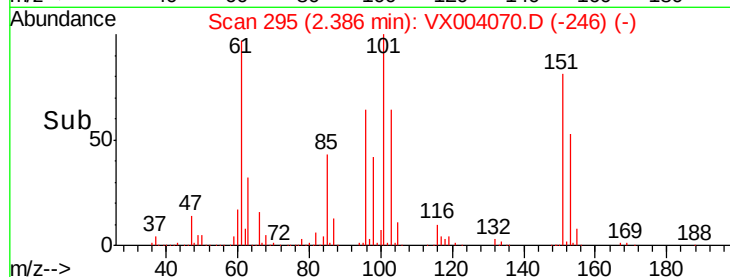
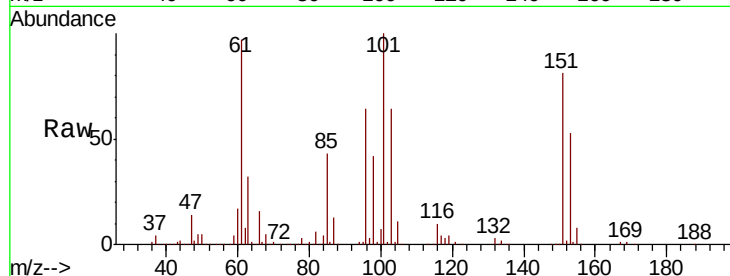
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	172258
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	80.7	65.0	97.4

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#10

Methyl Iodide

Concen: 45.45 ug/l

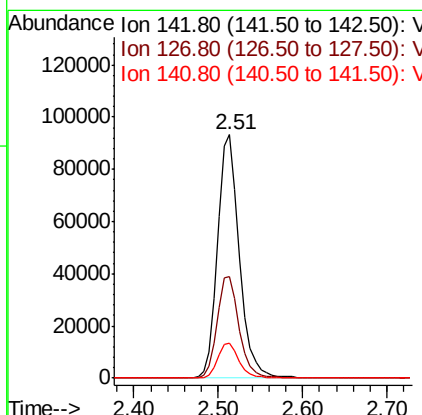
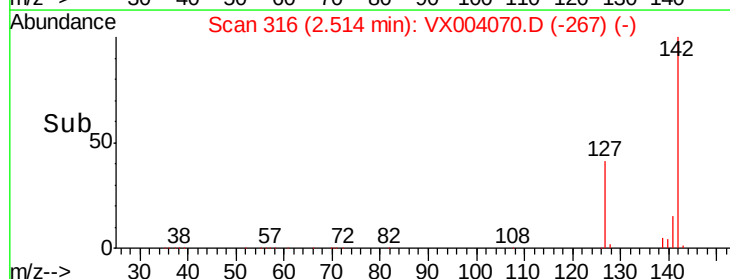
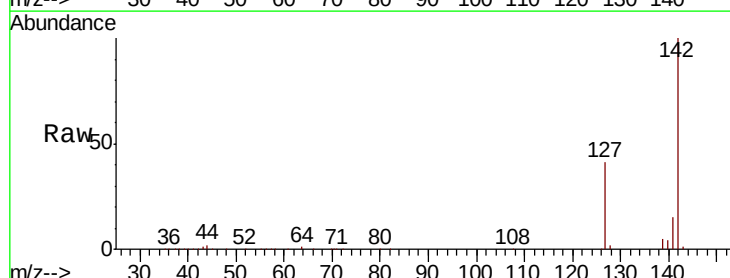
RT: 2.51 min Scan# 316

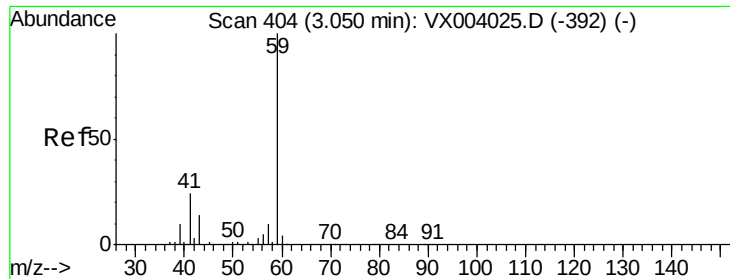
Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion:	142	Resp:	167546
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.1	49.7
141	14.2	11.1	16.7





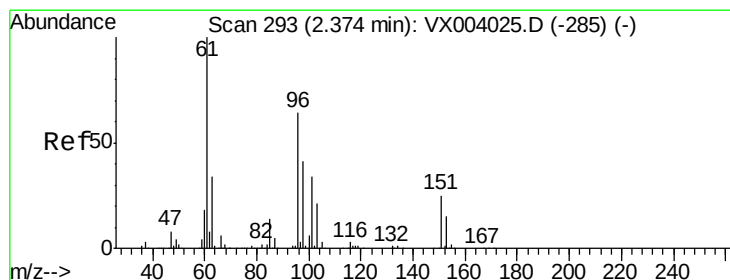
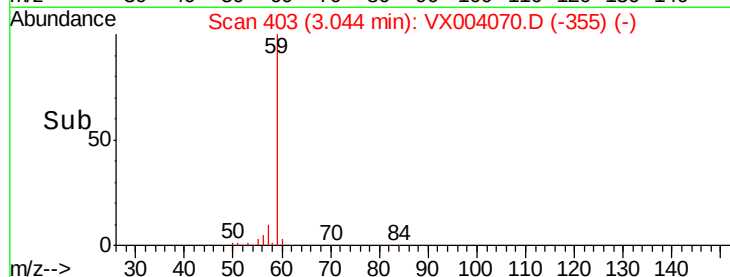
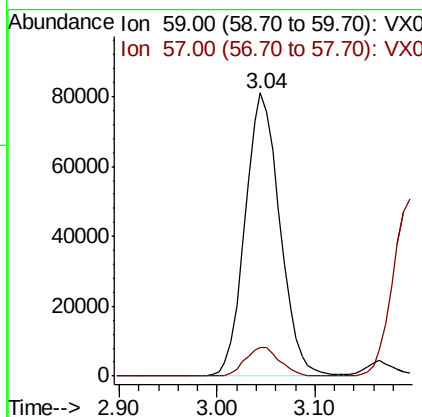
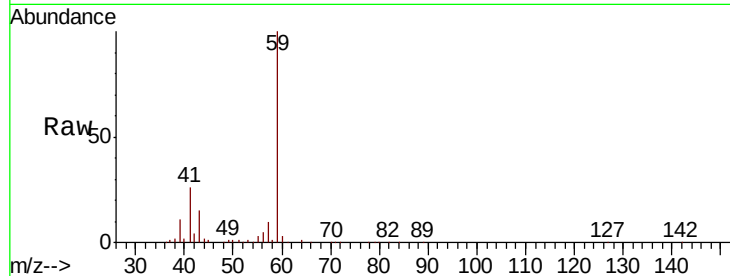
#11
Tert butyl alcohol
Concen: 228.51 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	200070		
57	10.3		8.1	12.1

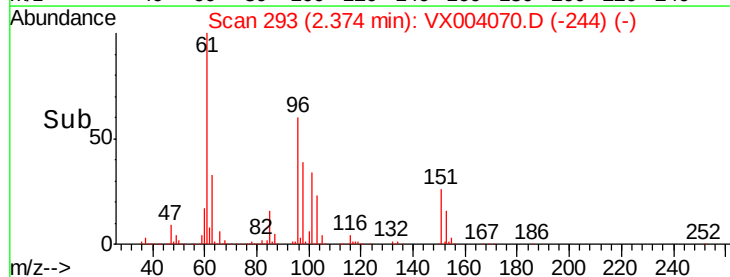
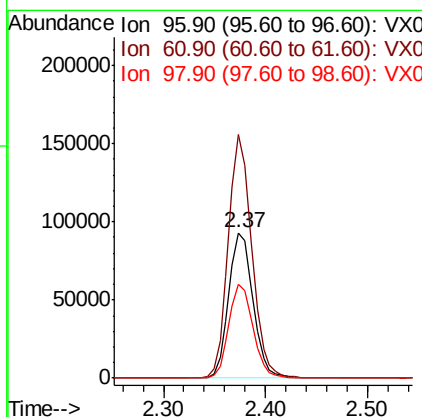
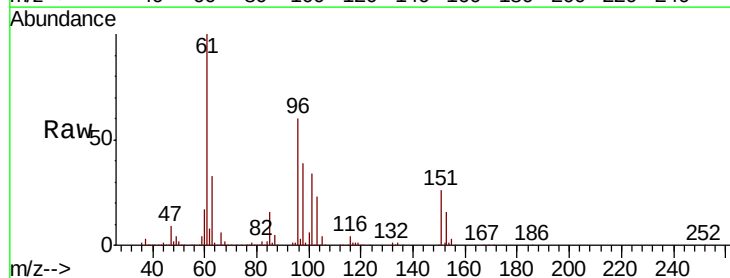
Manual Integrations
APPROVED

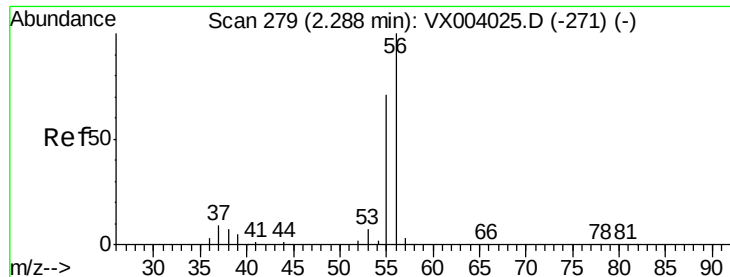
MMDadoda
8/16/2018 4:39:01 PM



#12
1,1-Dichloroethene
Concen: 47.20 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153216		
61	167.1		131.3	196.9
98	64.7		51.8	77.6





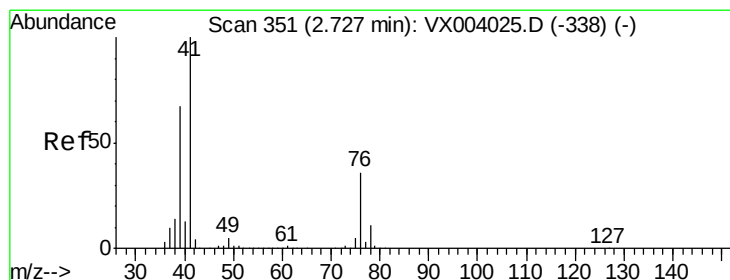
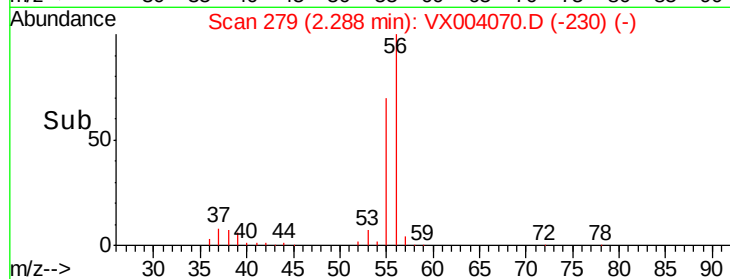
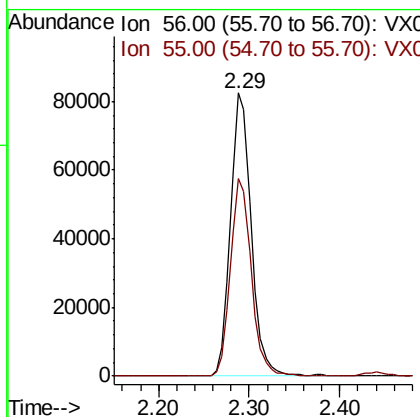
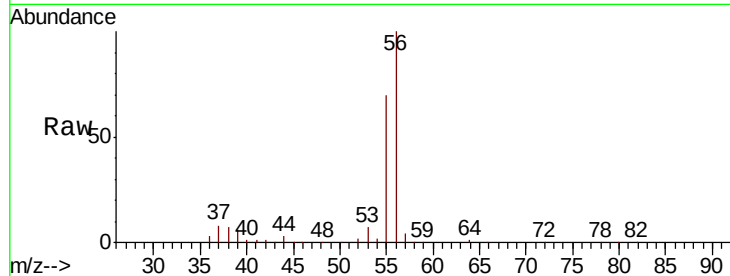
#13
Acrolein
Concen: 221.89 ug/l
RT: 2.29 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
131041	100	70.4		56.1	84.1

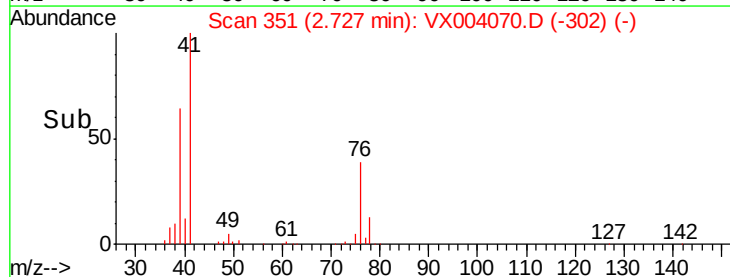
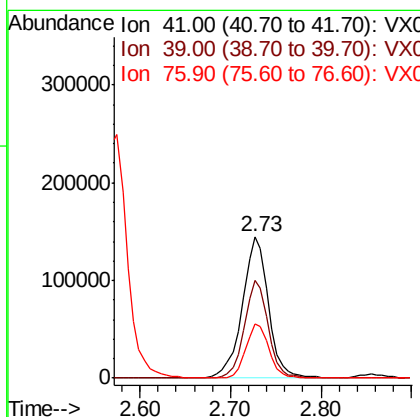
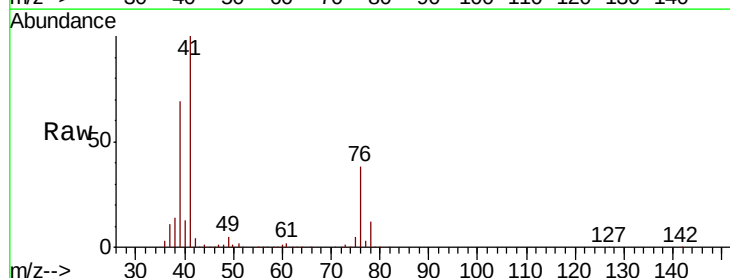
Manual Integrations
APPROVED

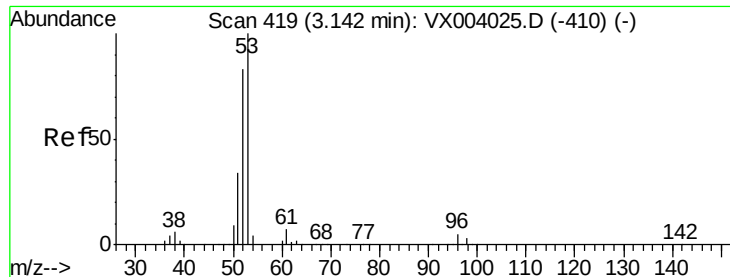
MMDadoda
8/16/2018 4:39:01 PM



#14
Allyl chloride
Concen: 46.58 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	41	39	76	Ratio	Lower	Upper
287716	100	63.1	33.9		47.4	71.0





#15

Acrylonitrile

Concen: 231.92 ug/l

RT: 3.14 min Scan# 419

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

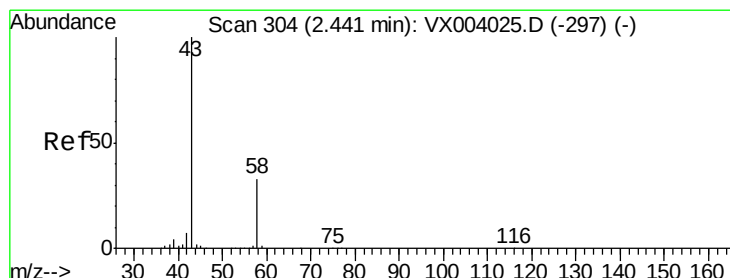
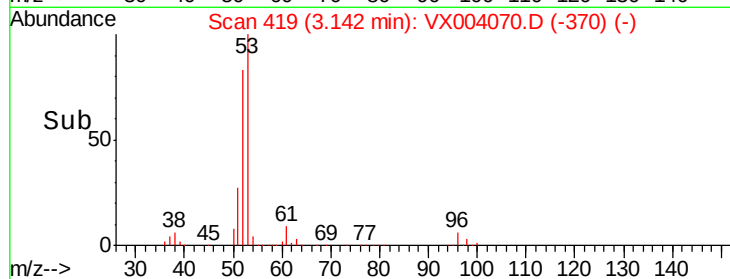
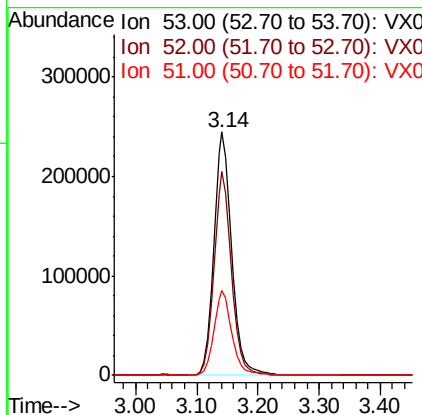
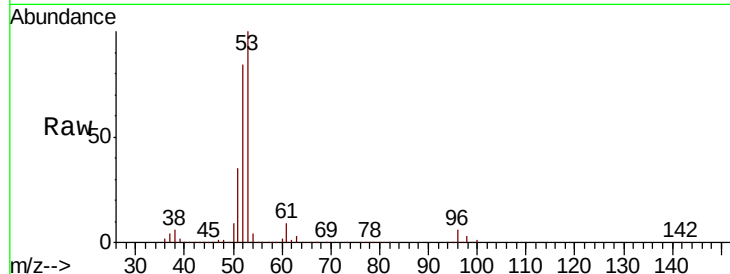
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	506271
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.3	97.9
51	35.2	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#16

Acetone

Concen: 242.96 ug/l

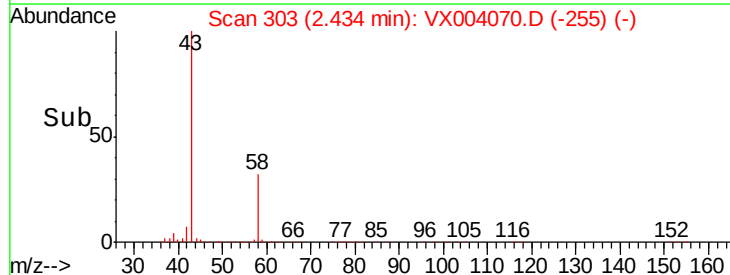
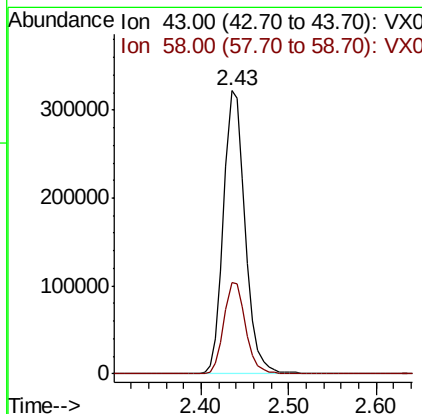
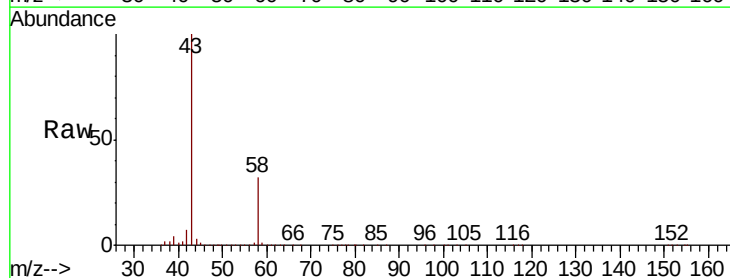
RT: 2.43 min Scan# 303

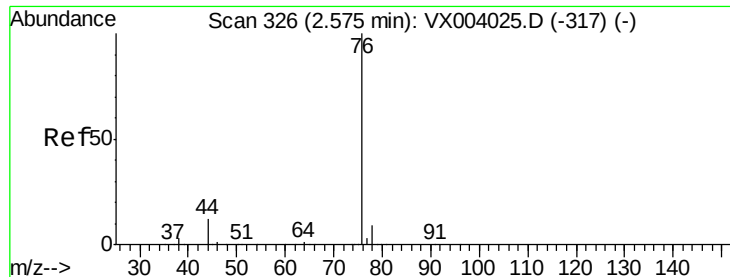
Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion:	43	Resp:	549209
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.4	39.6





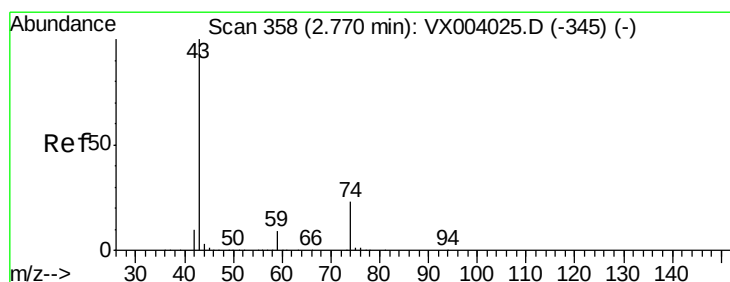
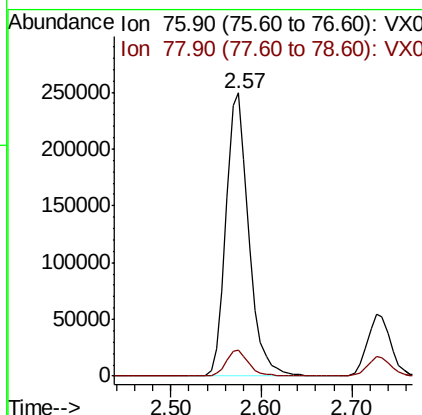
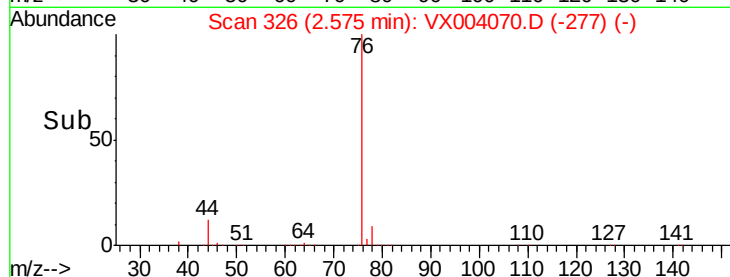
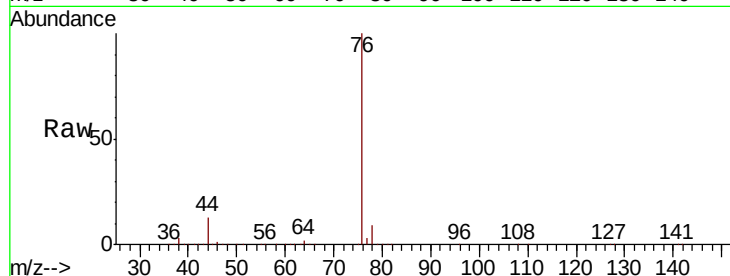
#17
Carbon Disulfide
Concen: 47.10 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

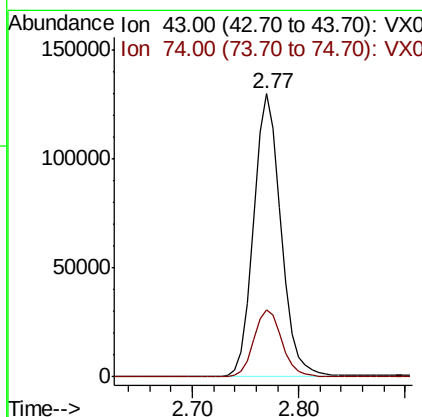
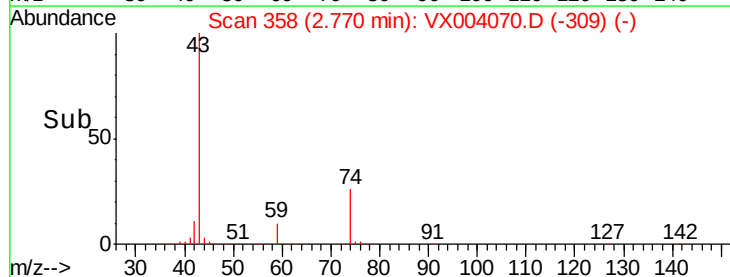
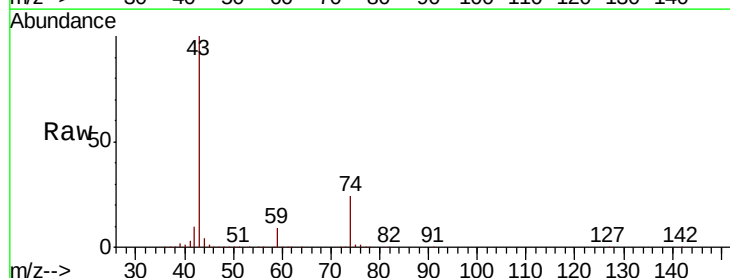
Manual Integrations
APPROVED

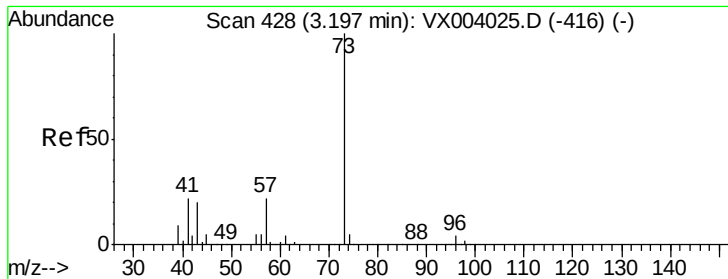
MMDadoda
8/16/2018 4:39:01 PM



#18
Methyl Acetate
Concen: 46.51 ug/l
RT: 2.77 min Scan# 358
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





#19

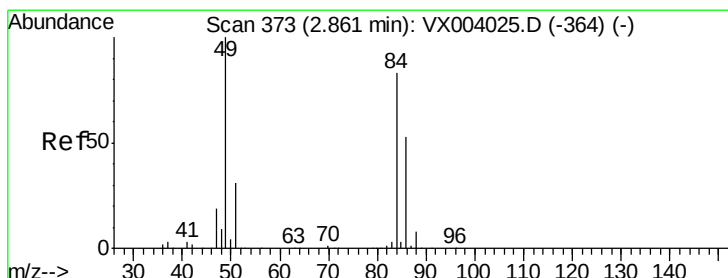
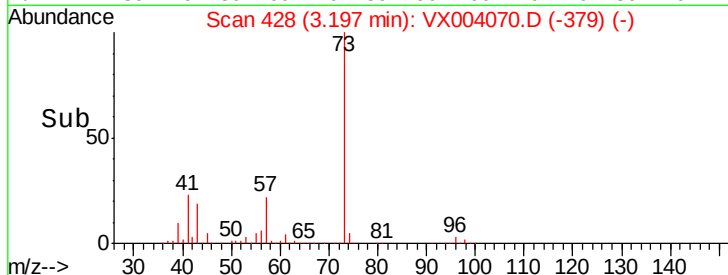
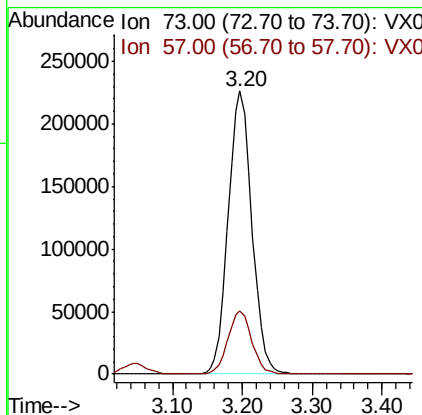
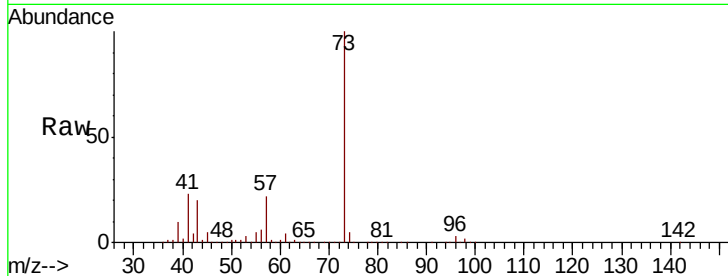
Methyl tert-butyl Ether
 Concen: 46.65 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.0	27.0

Manual Integrations
 APPROVED

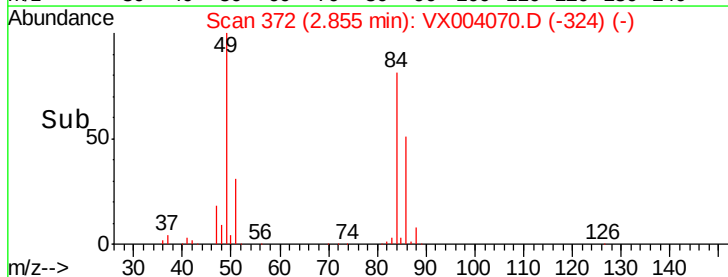
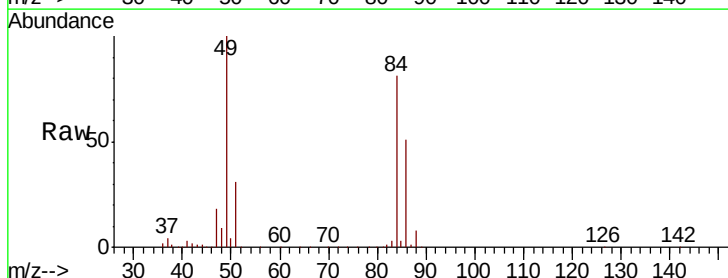
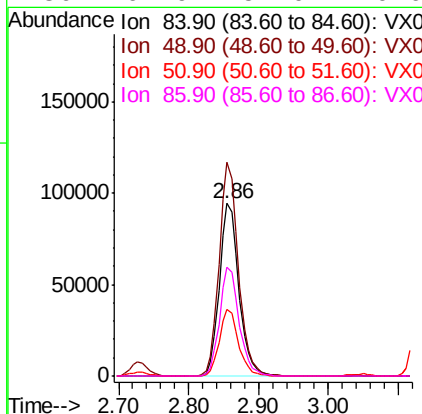
MMDadoda
 8/16/2018 4:39:01 PM

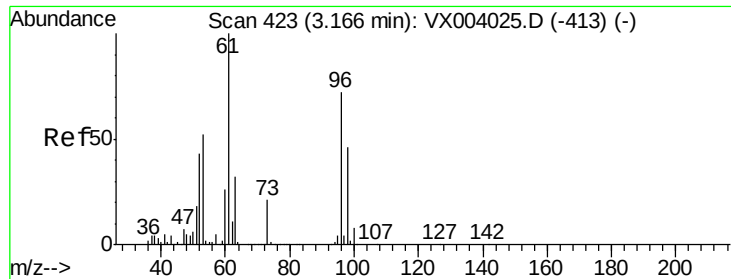


#20

Methylene Chloride
 Concen: 49.39 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	98.9	148.3
51	38.8	29.9	44.9
86	62.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 46.49 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 171398

Ion Ratio Lower Upper

96 100

61 138.7 111.8 167.6

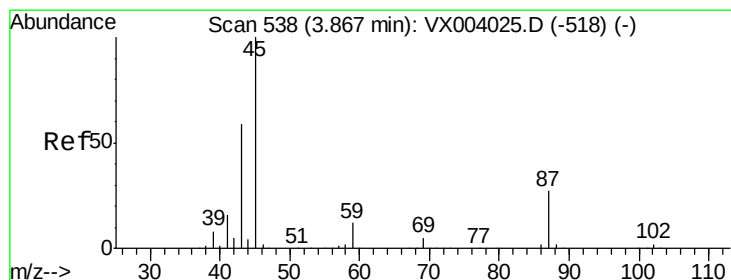
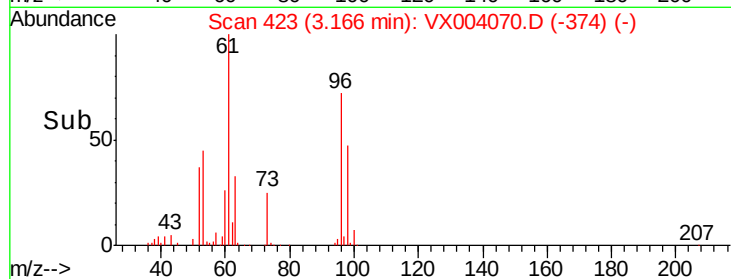
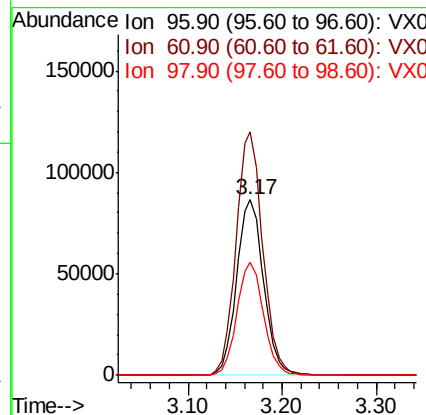
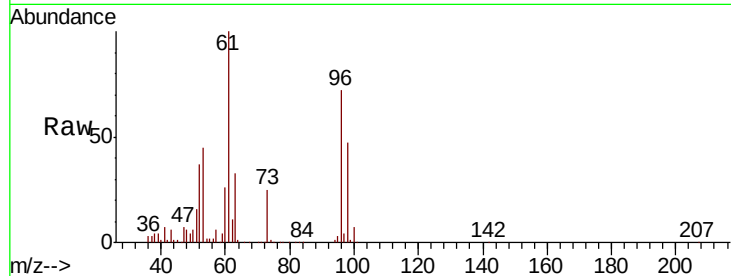
98 64.7 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:01 PM



#22

Diisopropyl ether

Concen: 50.17 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion: 45 Resp: 607204

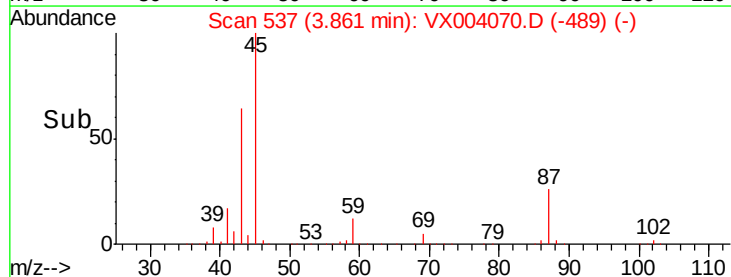
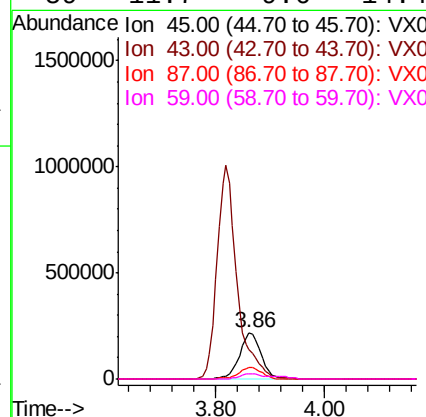
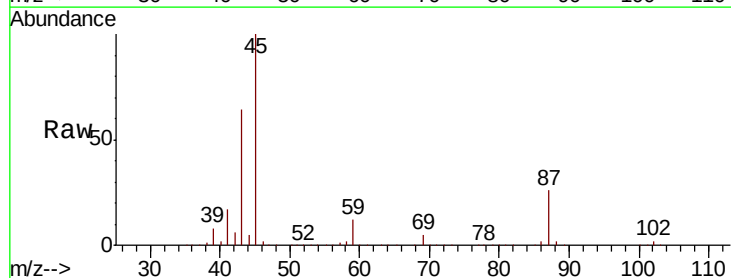
Ion Ratio Lower Upper

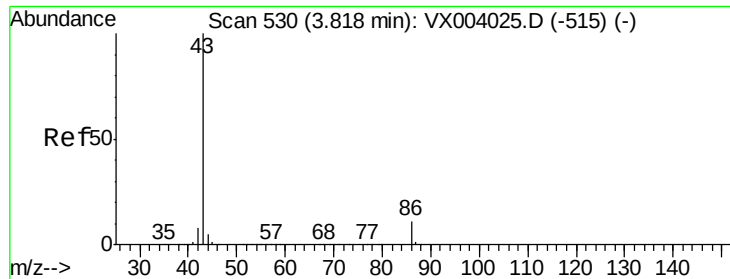
45 100

43 63.8 45.3 67.9

87 26.1 22.7 34.1

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 258.17 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2566545

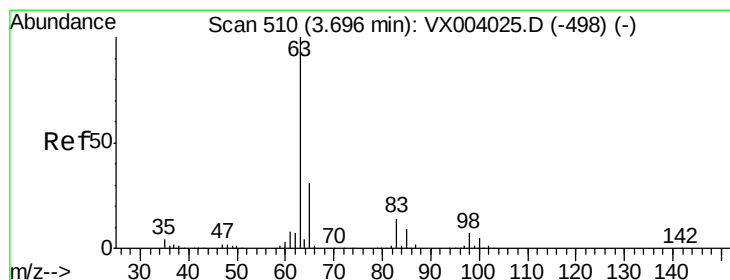
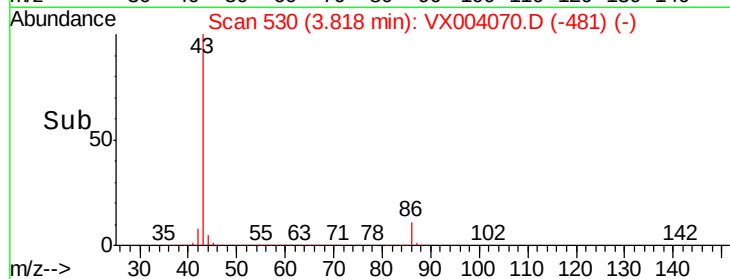
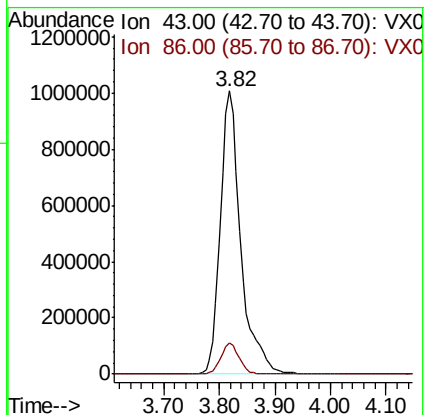
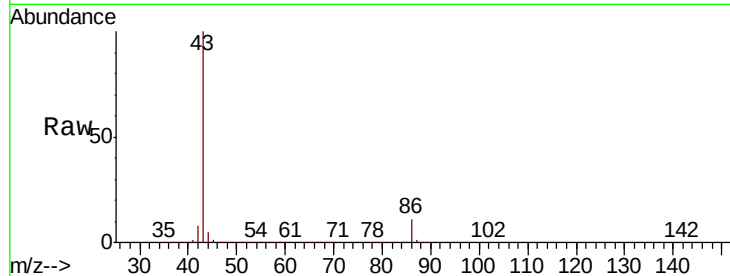
Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#24

1,1-Dichloroethane

Concen: 49.29 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

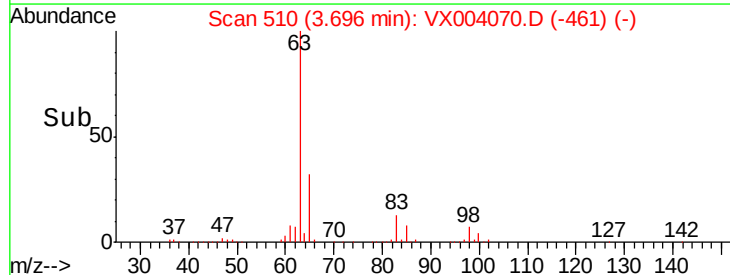
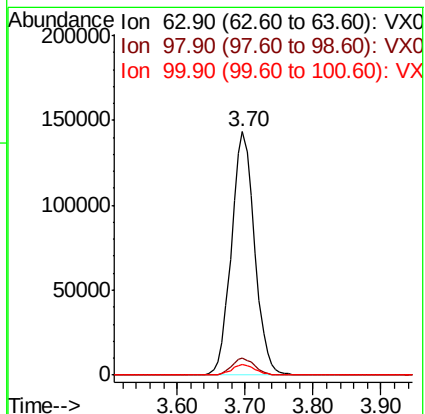
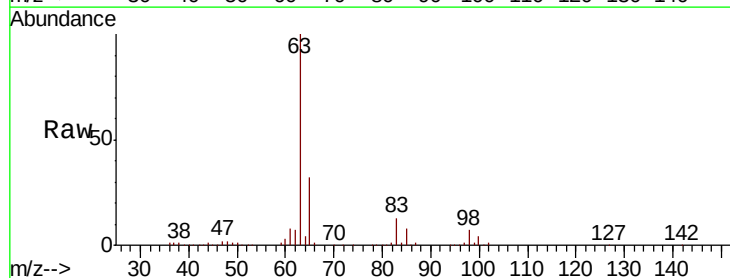
Tgt Ion: 63 Resp: 337935

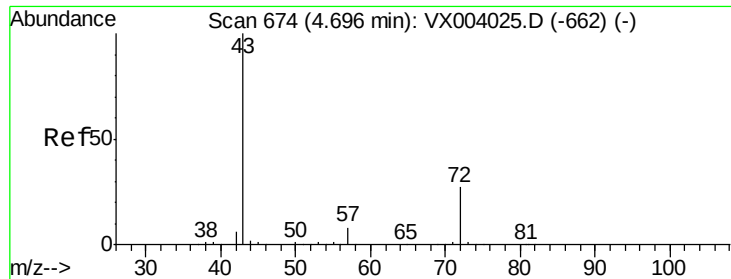
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.2 2.3 6.8





#25

2-Butanone

Concen: 235.47 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 866061

Ion Ratio Lower Upper

43 100

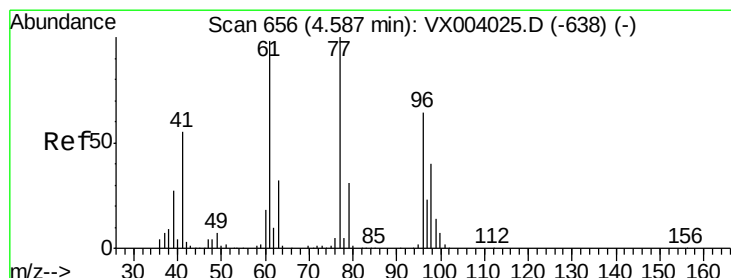
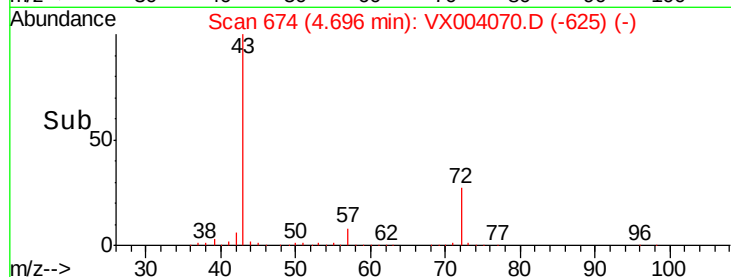
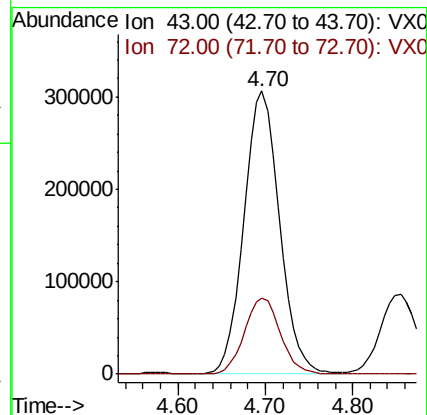
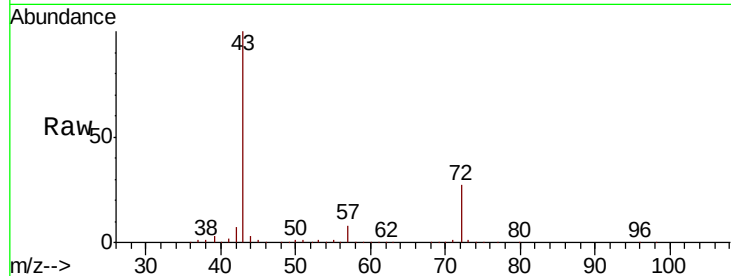
72 26.9 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:01 PM



#26

2,2-Dichloropropane

Concen: 47.44 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004070.D

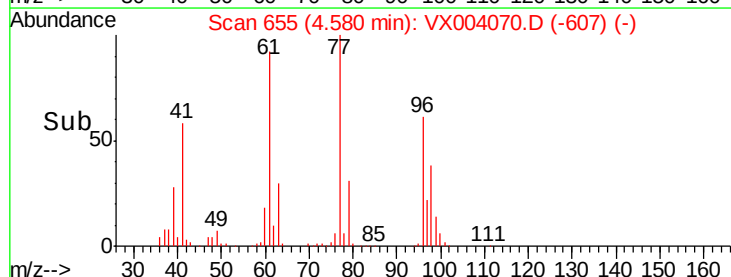
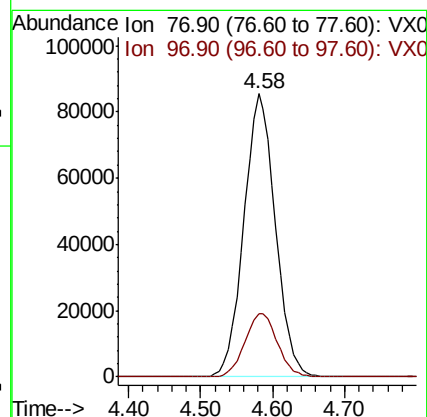
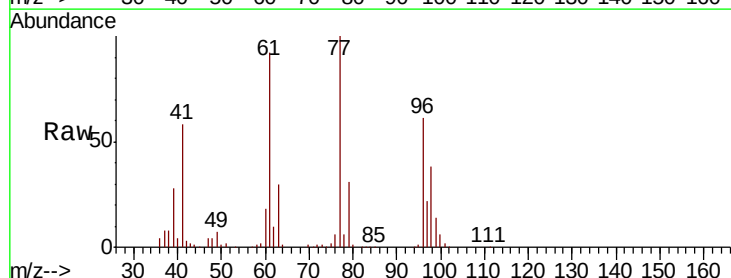
Acq: 15 Aug 2018 12:57

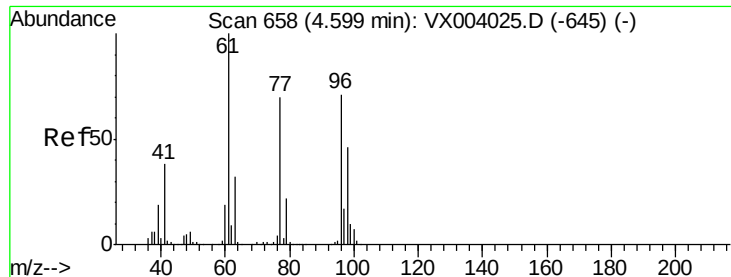
Tgt Ion: 77 Resp: 258594

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9





#27

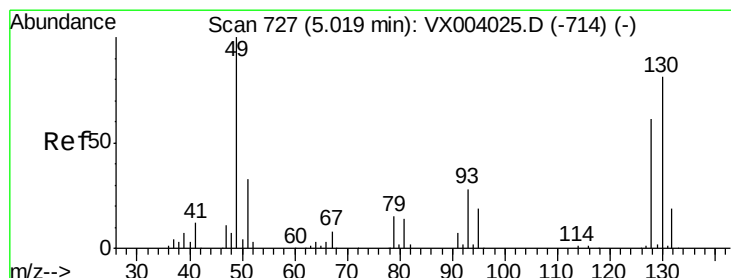
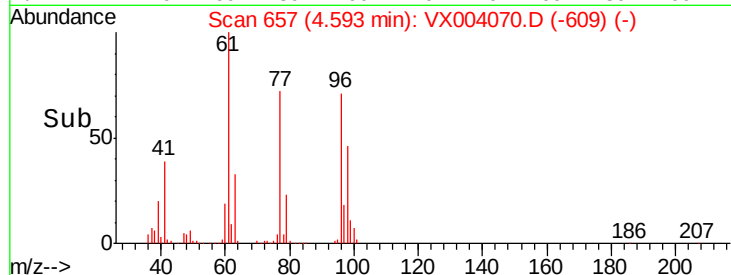
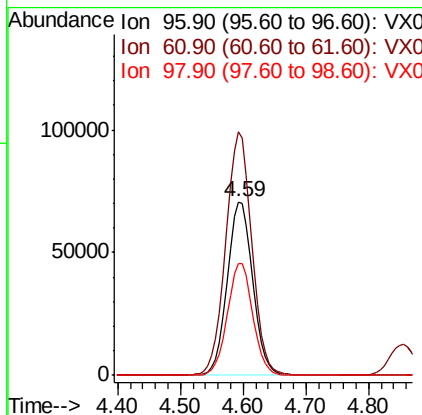
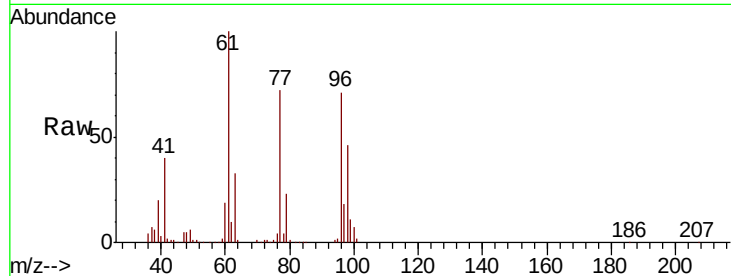
cis-1,2-Dichloroethene
 Concen: 47.97 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	198880		
61	143.6	0.0	293.0	
98	64.4	0.0	131.8	

Manual Integrations
 APPROVED

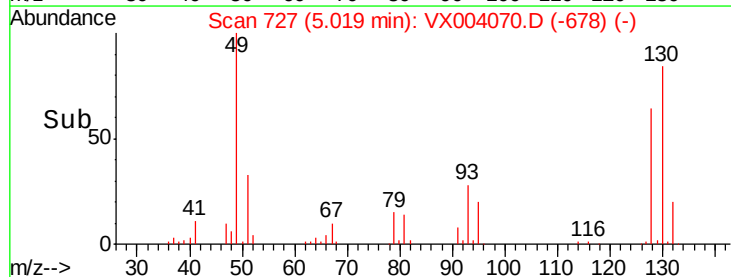
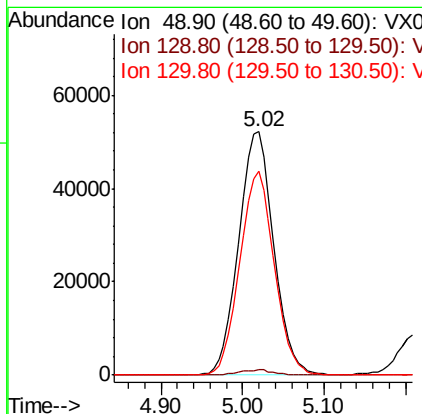
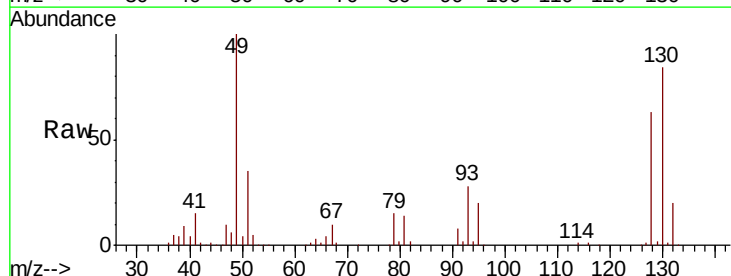
MMDadoda
 8/16/2018 4:39:01 PM

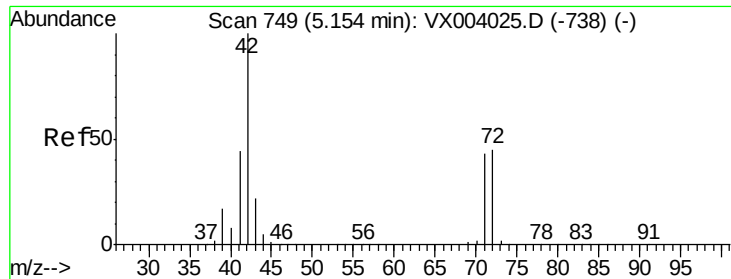


#28

Bromochloromethane
 Concen: 49.70 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	156314		
129	2.1	0.0	4.2	
130	82.4	66.5	99.7	





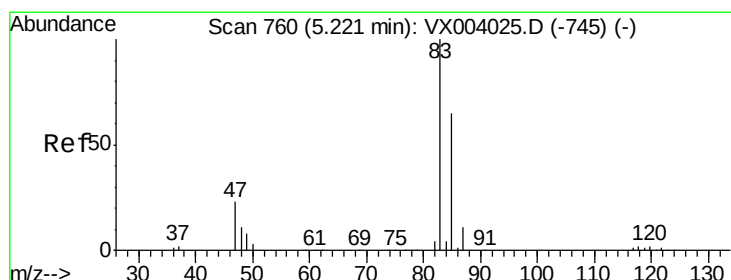
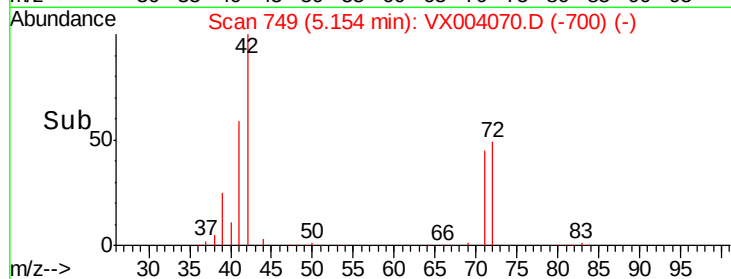
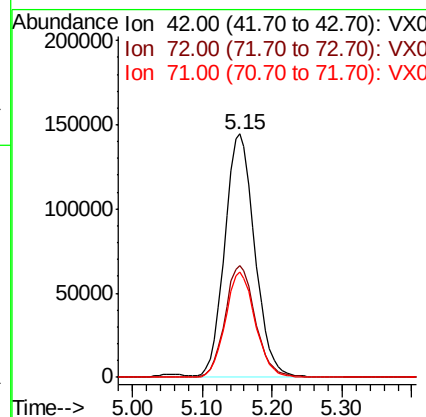
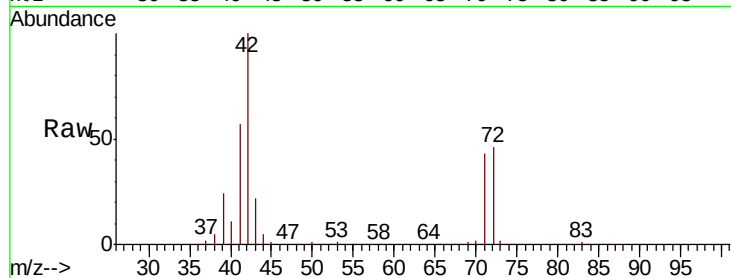
#29
Tetrahydrofuran
Concen: 228.77 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.7	56.5
71	43.1	35.0	52.6

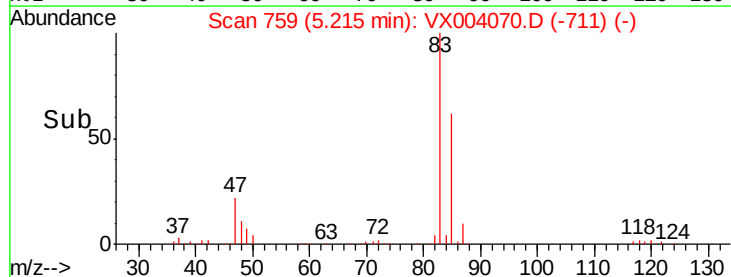
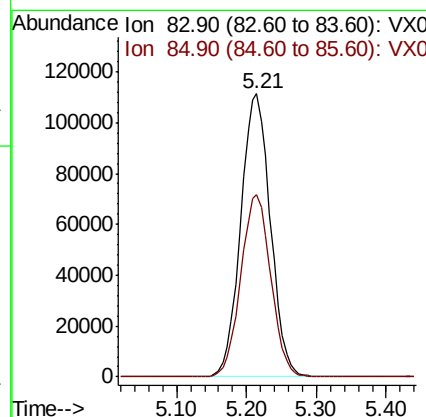
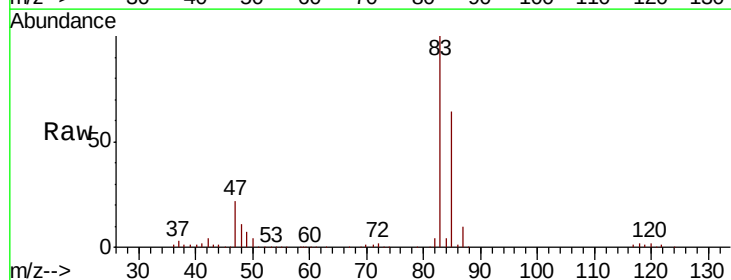
Manual Integrations
APPROVED

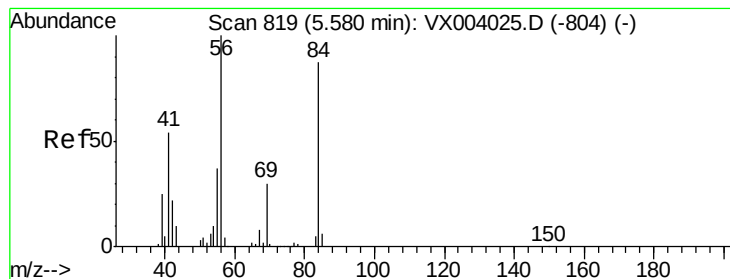
MMDadoda
8/16/2018 4:39:01 PM



#30
Chloroform
Concen: 49.03 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.7	76.1





#31

Cyclohexane

Concen: 48.71 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

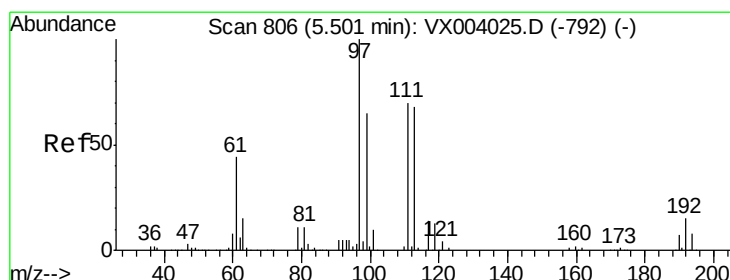
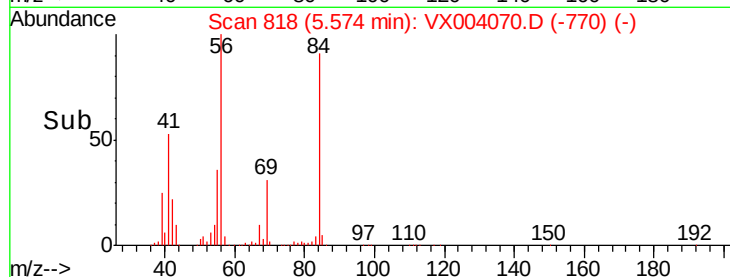
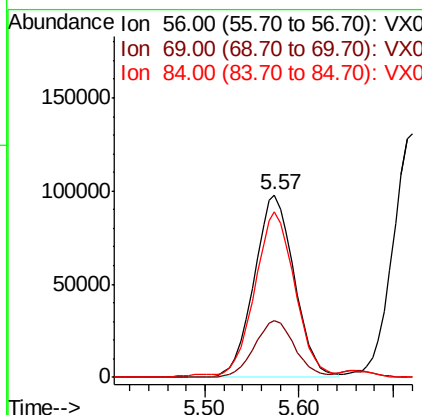
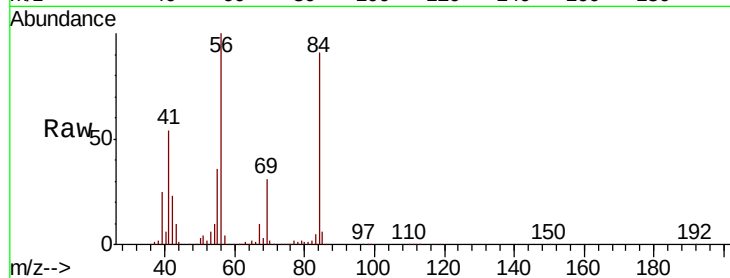
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	292735
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	89.4	71.7	107.5

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#32

1,1,1-Trichloroethane

Concen: 49.65 ug/l

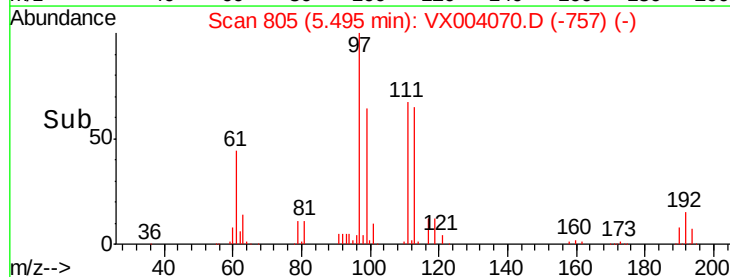
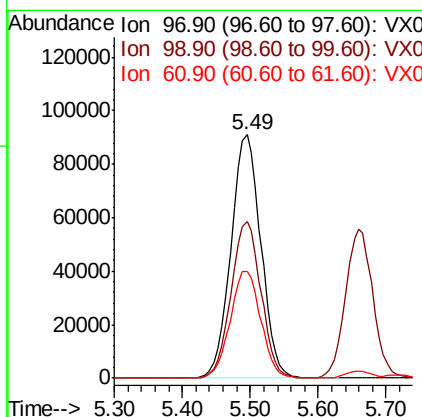
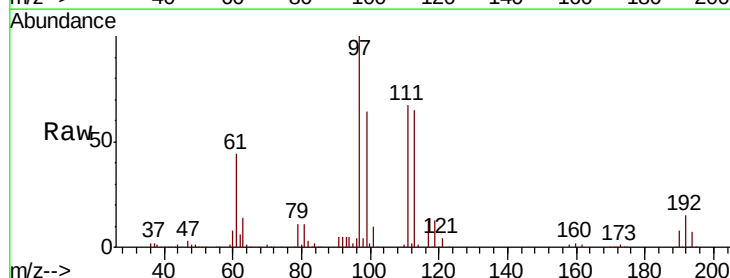
RT: 5.49 min Scan# 805

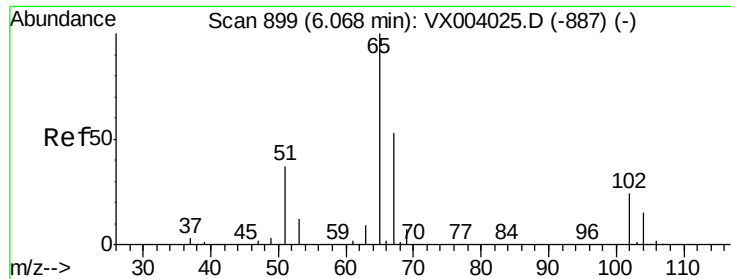
Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion	97	Resp	277624
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	45.0	34.4	51.6





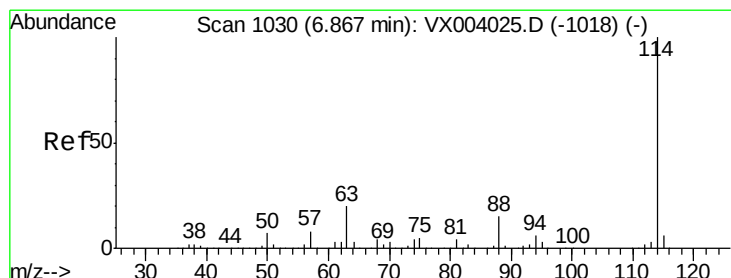
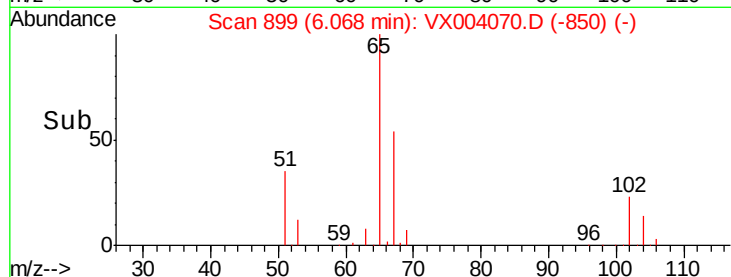
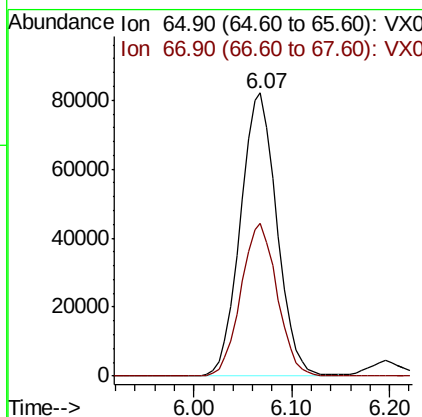
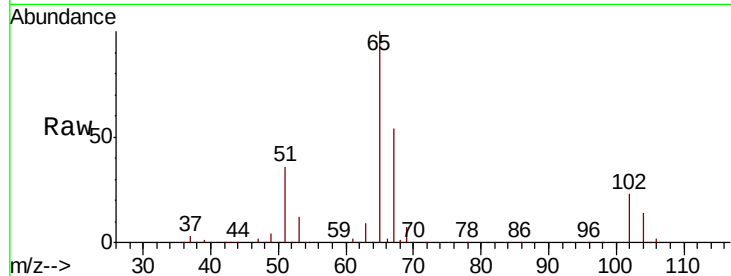
#33
 1,2-Dichloroethane-d4
 Concen: 48.74 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211899		
67	53.6	0.0	105.8	

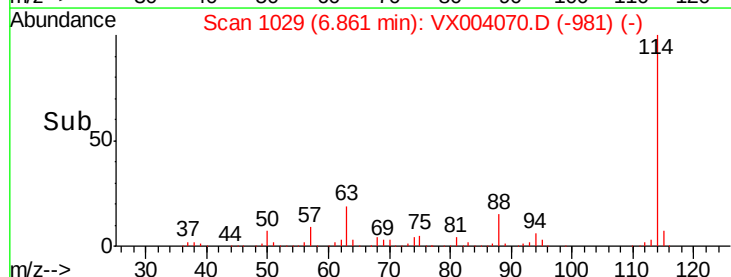
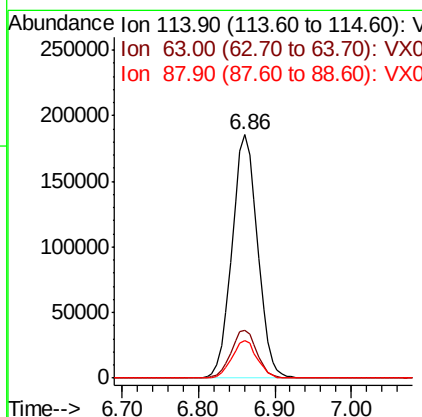
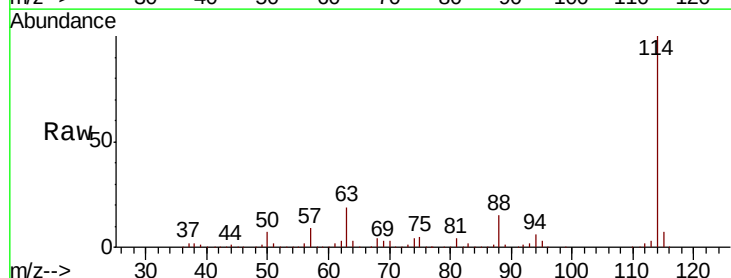
Manual Integrations
 APPROVED

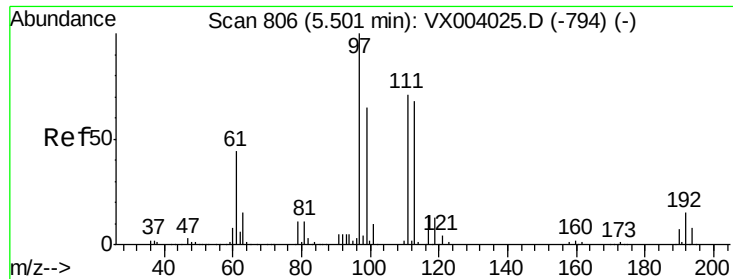
MMDadoda
 8/16/2018 4:39:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430977		
63	19.4	0.0	39.0	
88	15.2	0.0	32.0	





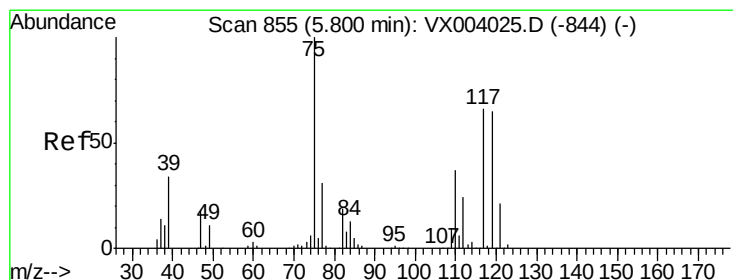
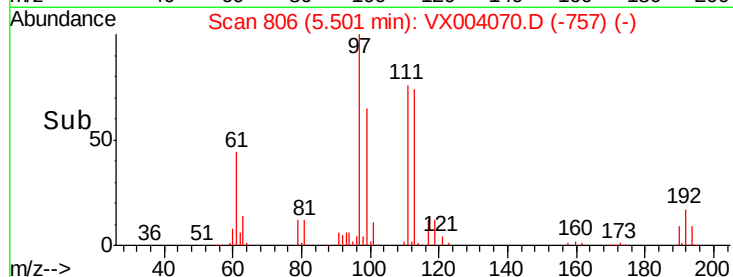
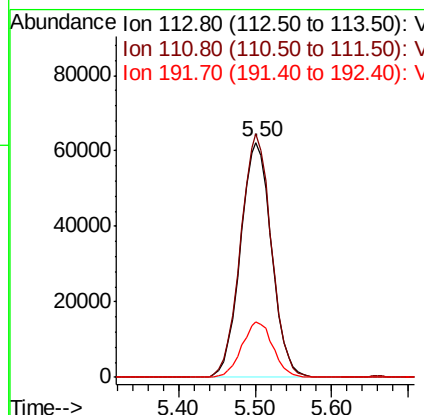
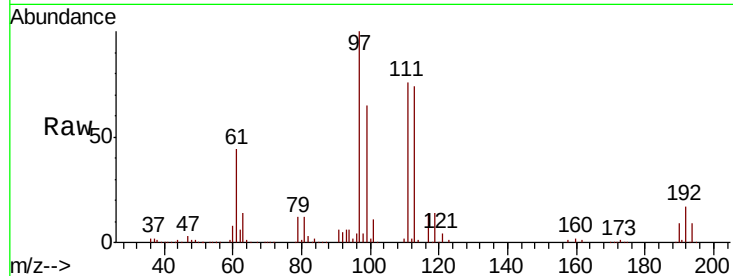
#35
 Dibromofluoromethane
 Concen: 54.39 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175444		
111	102.6	82.0	123.0	
192	23.6	19.0	28.4	

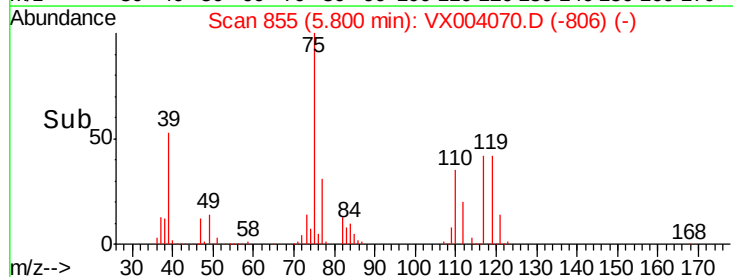
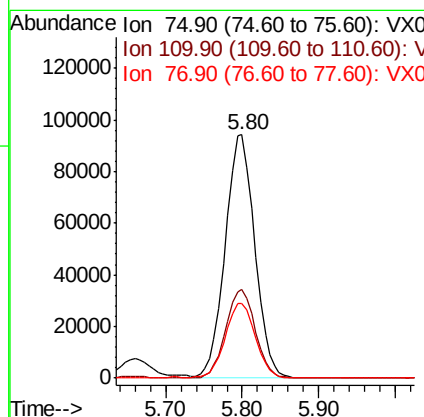
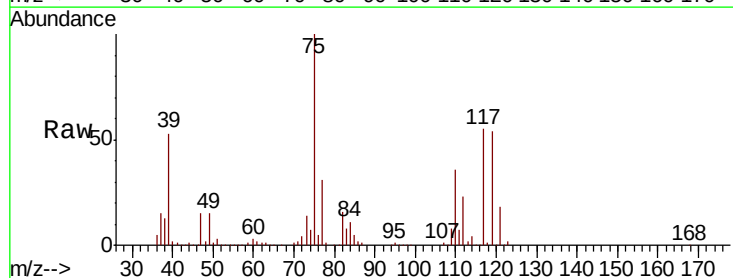
Manual Integrations
 APPROVED

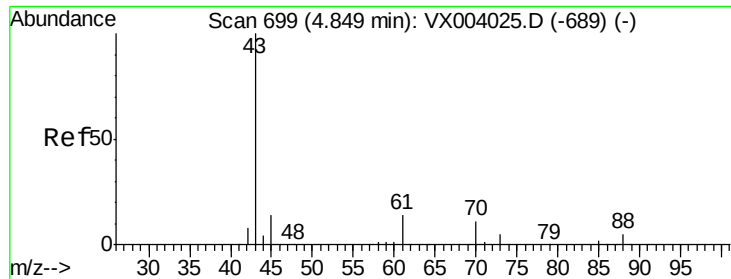
MMDadoda
 8/16/2018 4:39:01 PM



#36
 1,1-Dichloropropene
 Concen: 51.36 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	251895		
110	36.4	18.2	54.6	
77	31.6	25.0	37.4	





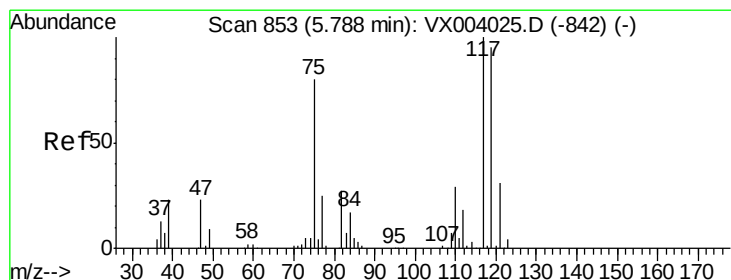
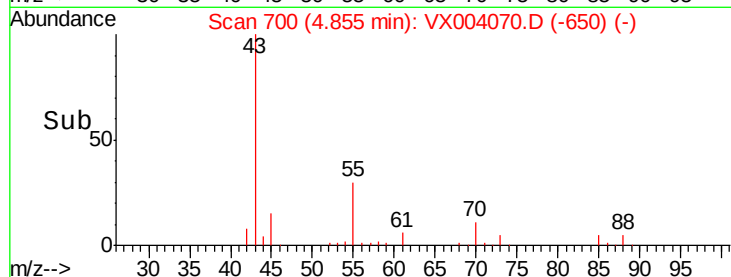
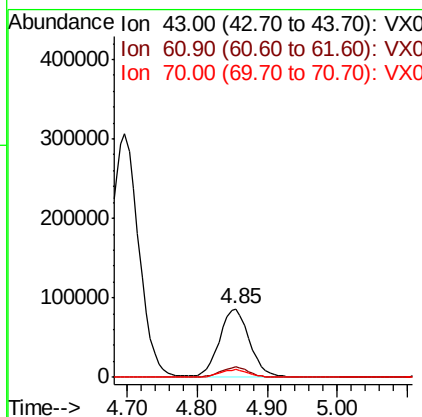
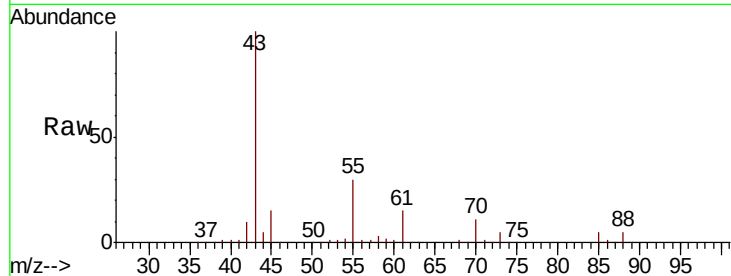
#37
Ethyl Acetate
Concen: 48.13 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.1	9.0	13.4

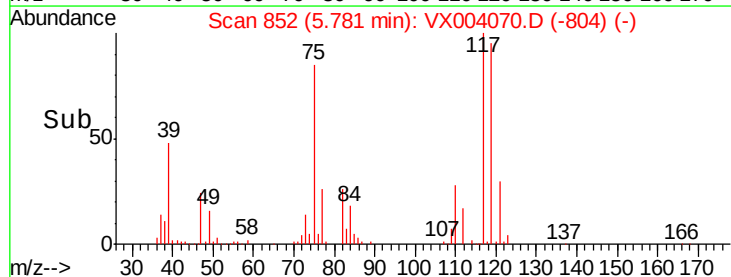
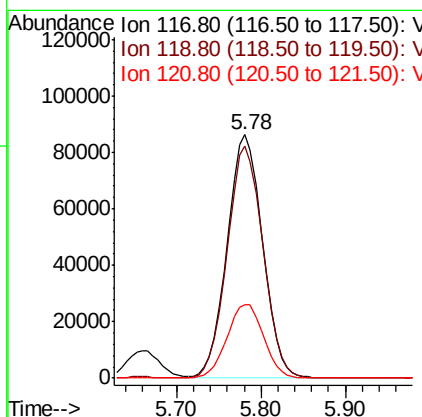
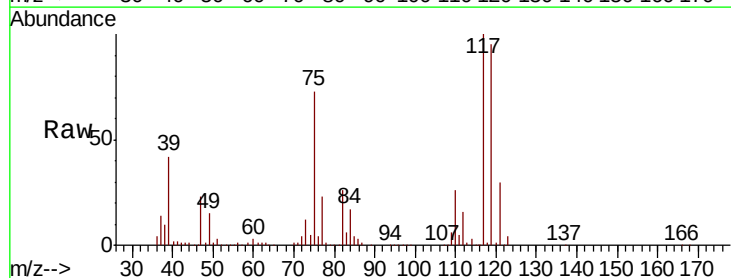
Manual Integrations
APPROVED

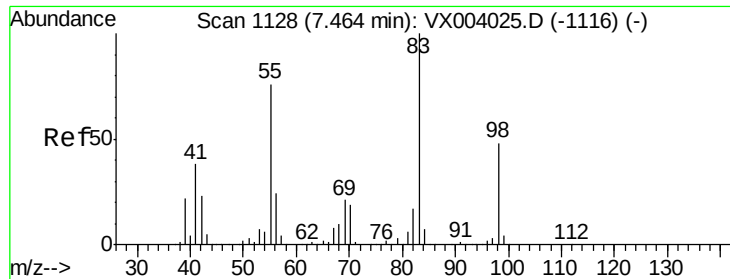
MMDadoda
8/16/2018 4:39:01 PM



#38
Carbon Tetrachloride
Concen: 51.78 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.5	119.3
121	30.1	25.0	37.4





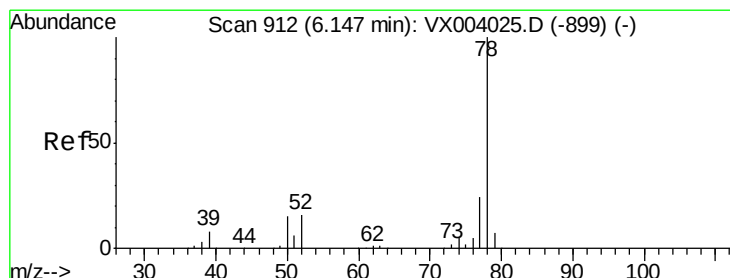
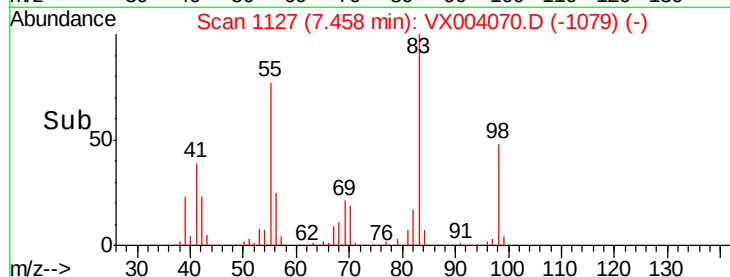
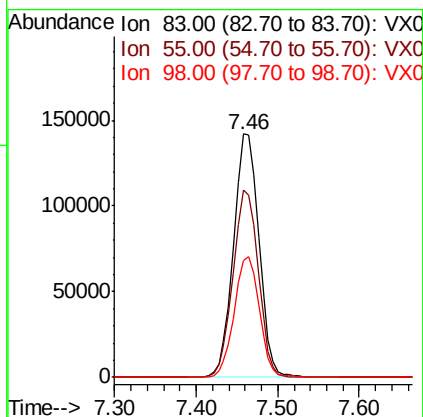
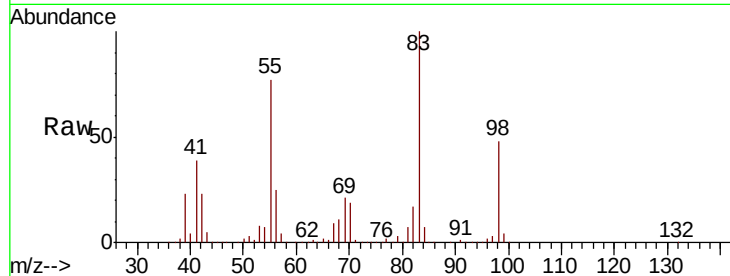
#39
Methvlcvclohexane
Concen: 54.88 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.8	61.0	91.6	
98	48.0	38.6	57.8	

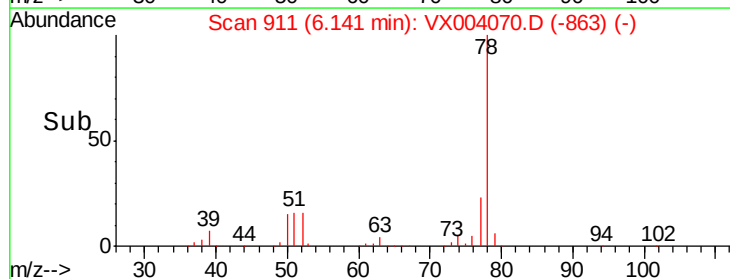
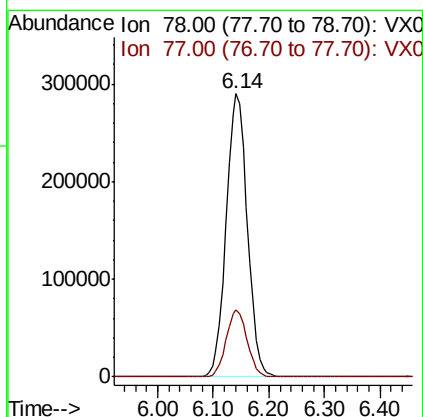
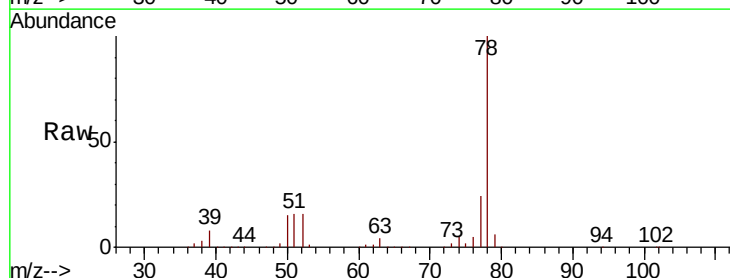
Manual Integrations
APPROVED

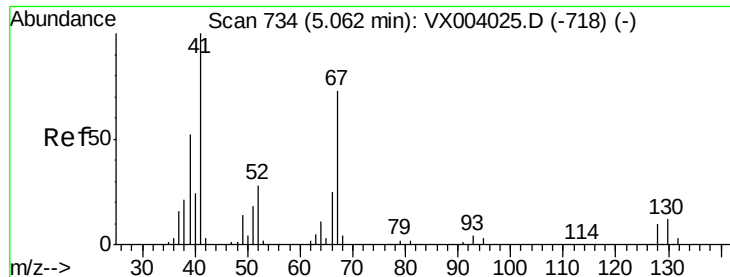
MMDadoda
8/16/2018 4:39:01 PM



#40
Benzene
Concen: 51.49 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





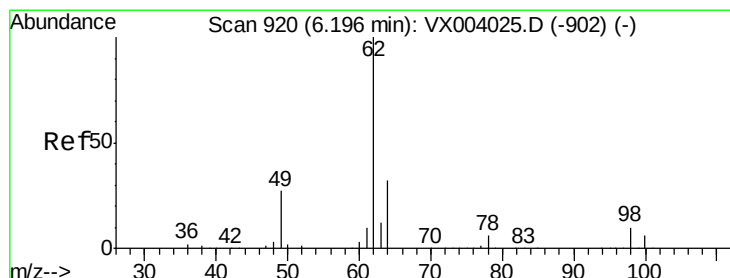
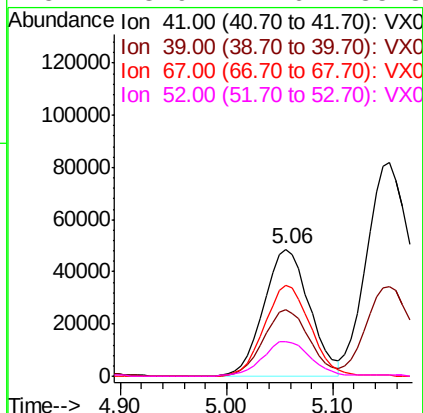
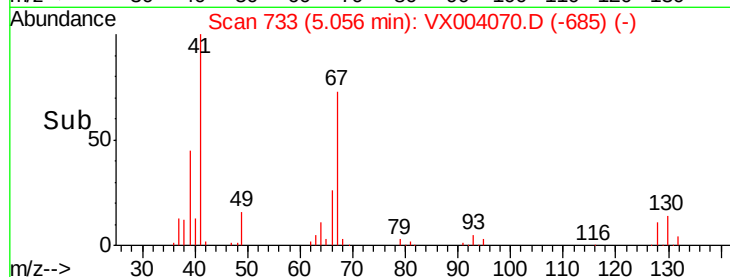
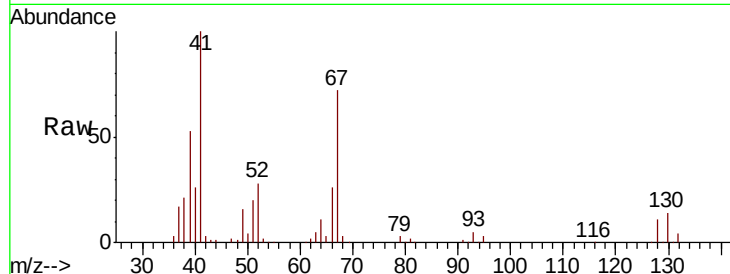
#41
Methacrylonitrile
Concen: 48.51 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		145097		
39	52.5	42.7	64.1		
67	72.2	58.9	88.3		
52	28.9	22.6	33.8		

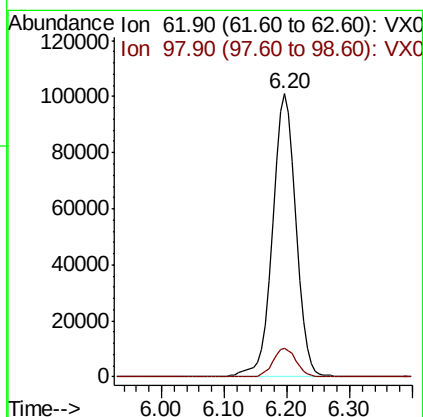
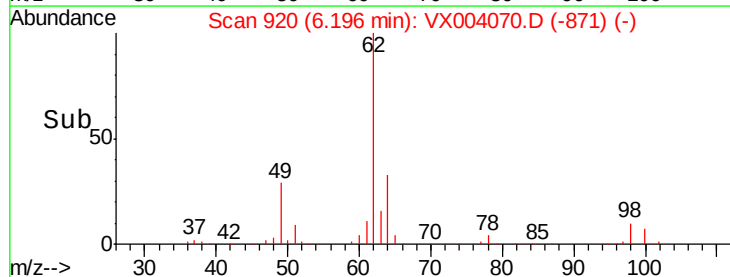
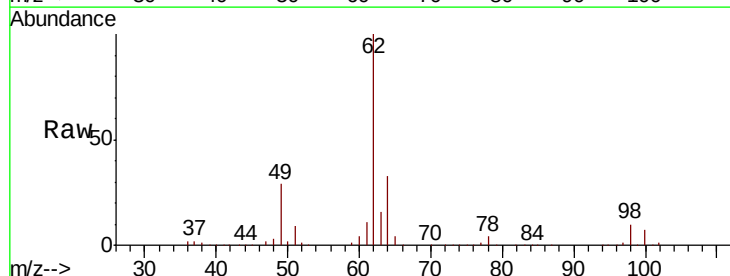
Manual Integrations
APPROVED

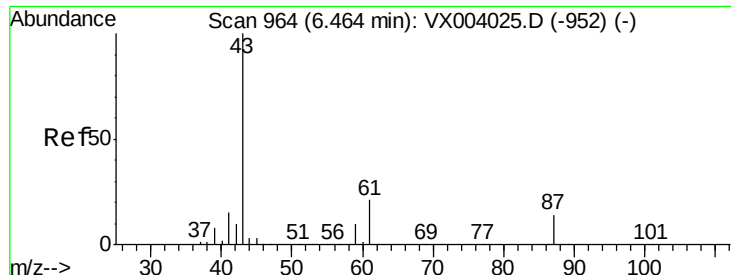
MMDadoda
8/16/2018 4:39:01 PM



#42
1,2-Dichloroethane
Concen: 50.47 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		260160		
98	10.0	0.0	20.4		





#43

Isopropyl Acetate

Concen: 49.96 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

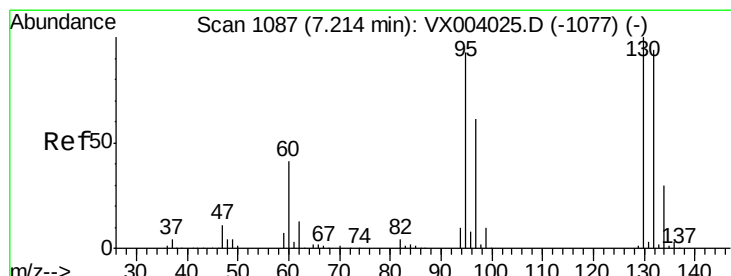
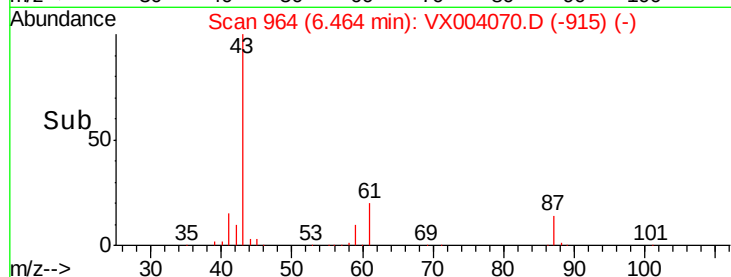
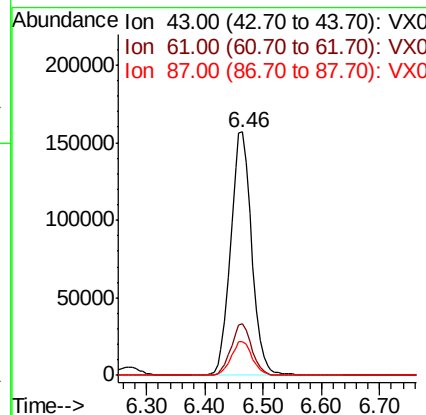
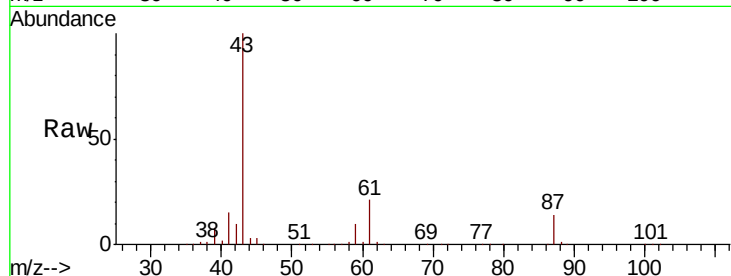
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	393291
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#44

Trichloroethene

Concen: 50.34 ug/l

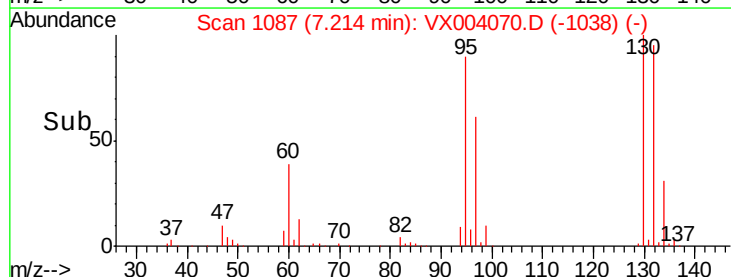
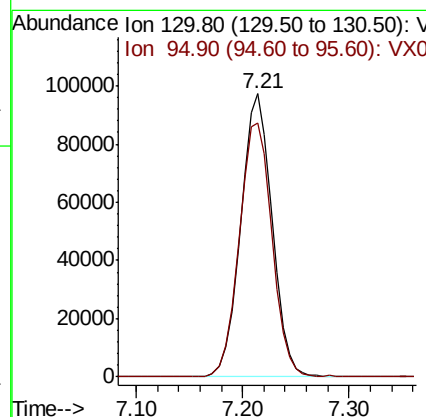
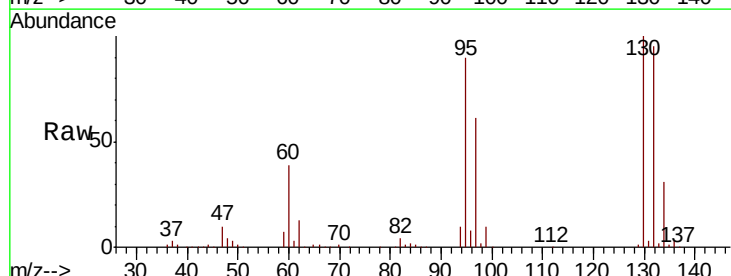
RT: 7.21 min Scan# 1087

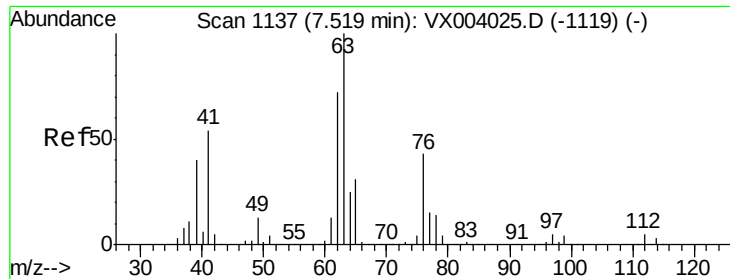
Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion:	130	Resp:	201256
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	199.4





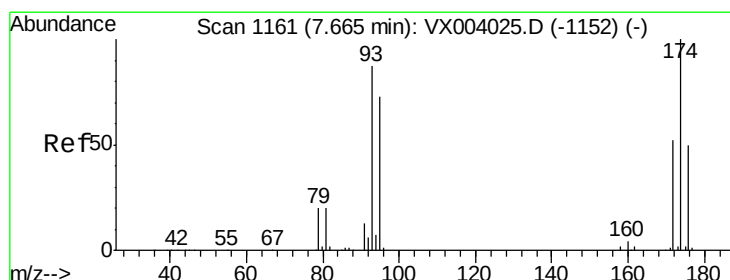
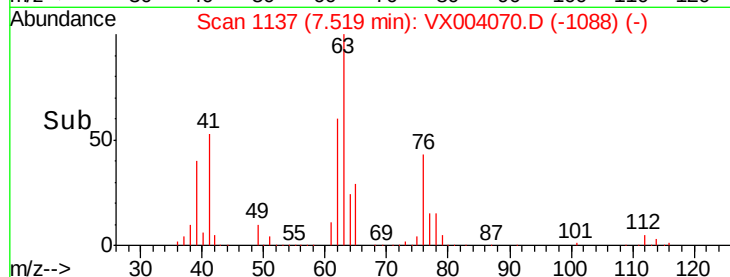
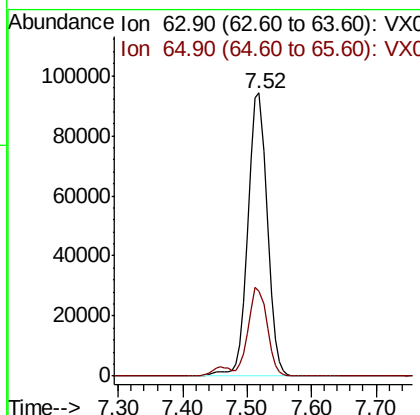
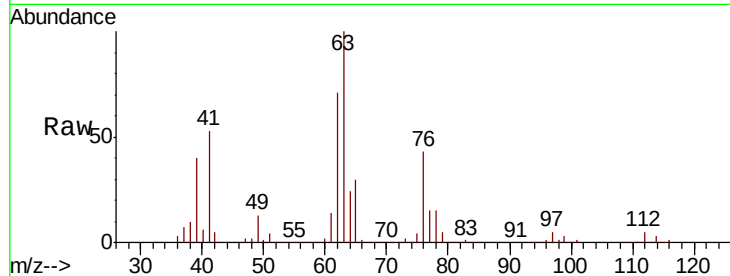
#45
 1,2-Dichloropropane
 Concen: 51.29 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	36.8

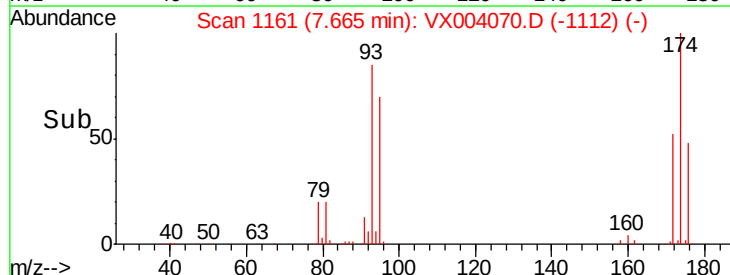
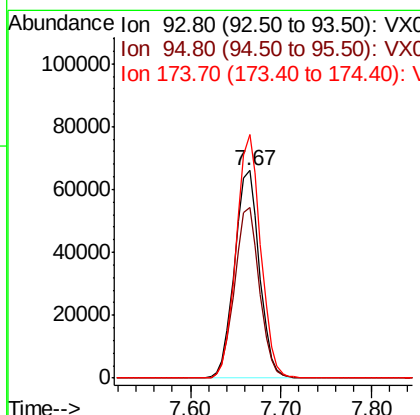
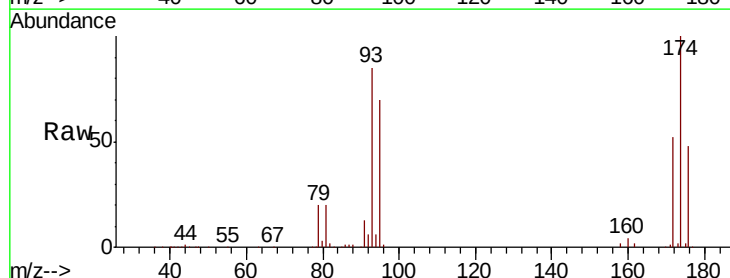
Manual Integrations
 APPROVED

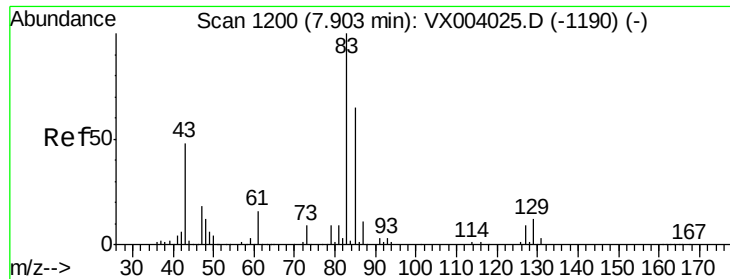
MMDadoda
 8/16/2018 4:39:01 PM



#46
 Dibromomethane
 Concen: 51.04 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	115.6	94.3	141.5





#47

Bromodichloromethane

Concen: 52.23 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

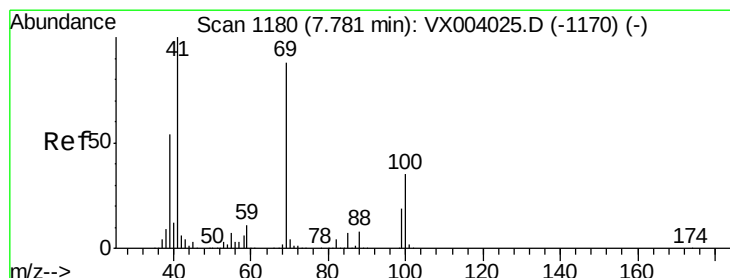
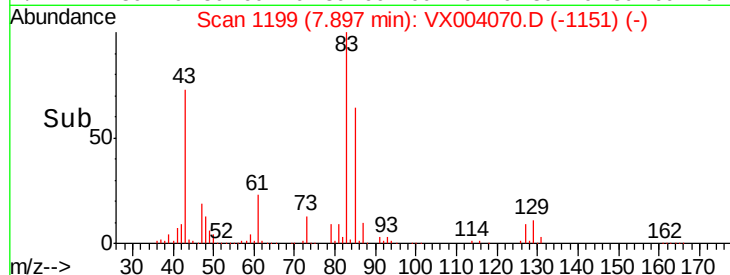
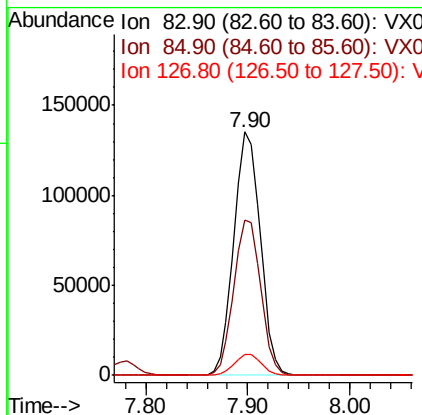
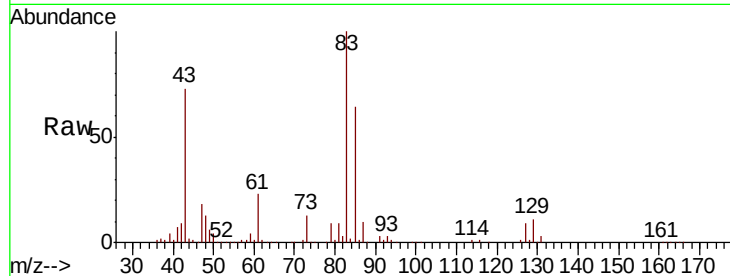
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	243680
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.2	76.8
127	8.8	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#48

Methyl methacrylate

Concen: 53.27 ug/l

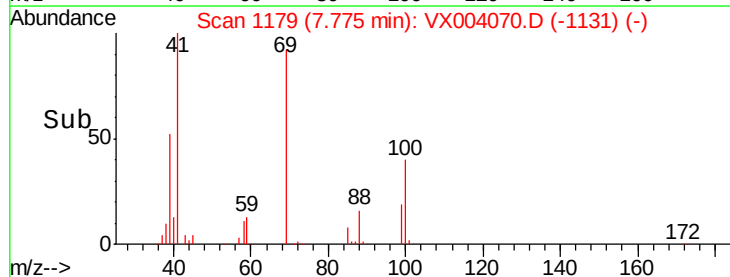
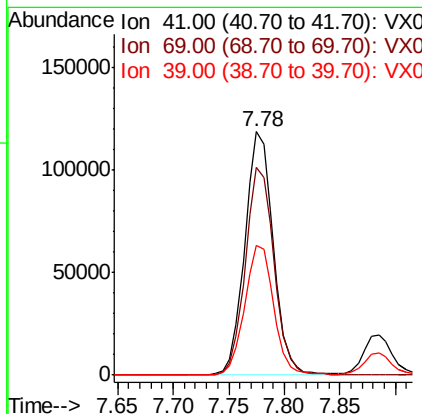
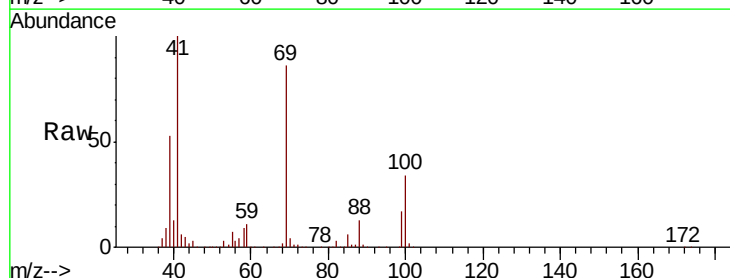
RT: 7.78 min Scan# 1179

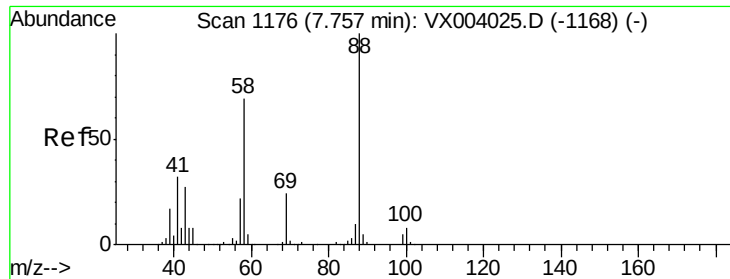
Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion:	41	Resp:	211100
Ion Ratio	Lower	Upper	
41	100		
69	86.2	68.8	103.2
39	54.0	42.3	63.5





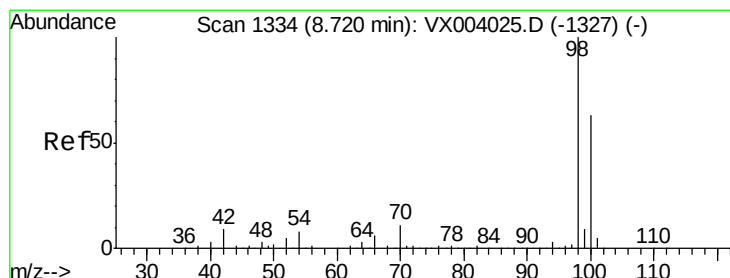
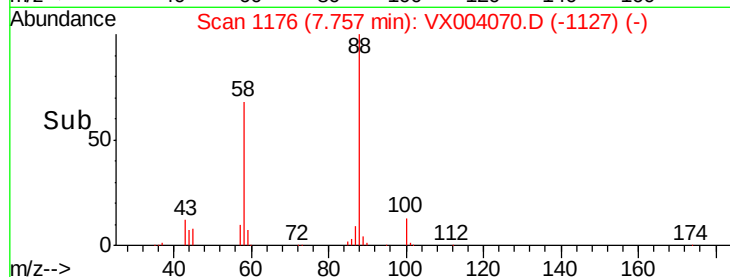
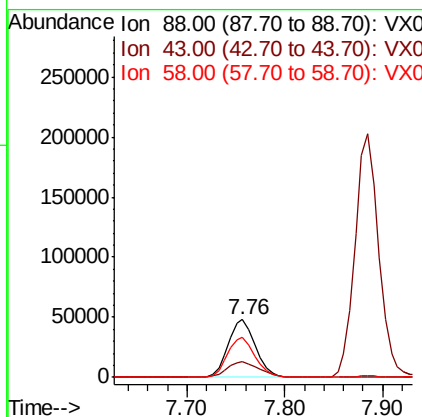
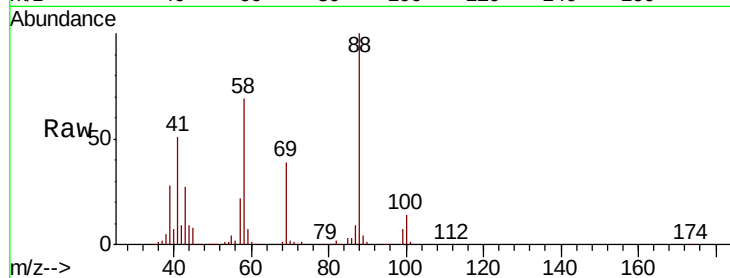
#49
1,4-Dioxane
Concen: 1038.71 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	23.8	35.8
58	69.7	55.4	83.0

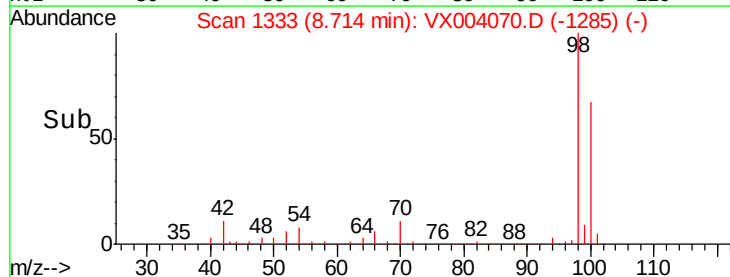
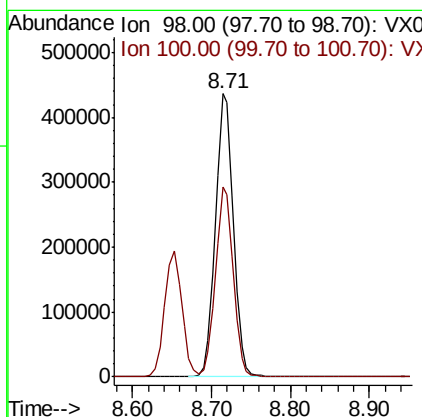
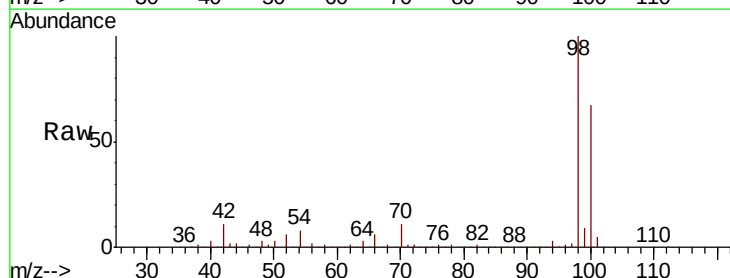
Manual Integrations
APPROVED

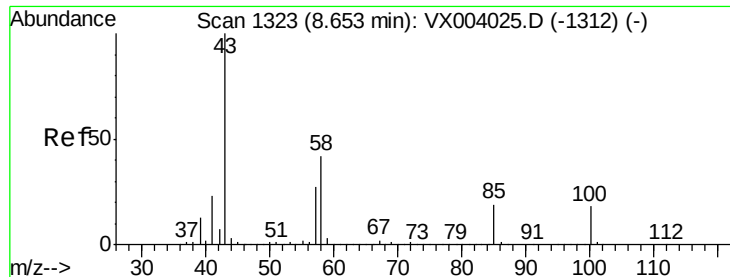
MMDadoda
8/16/2018 4:39:01 PM



#50
Toluene-d8
Concen: 52.74 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





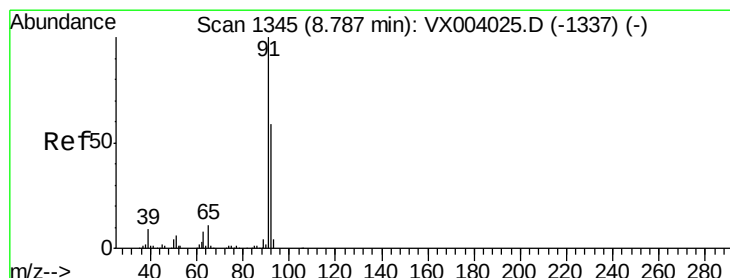
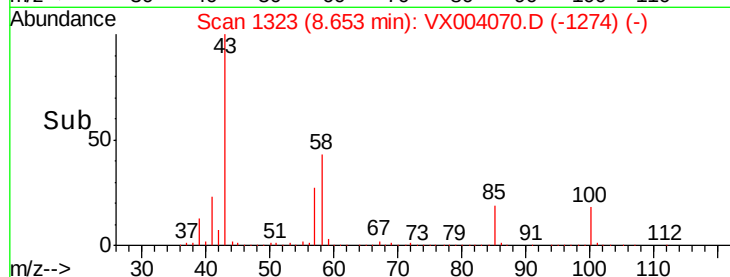
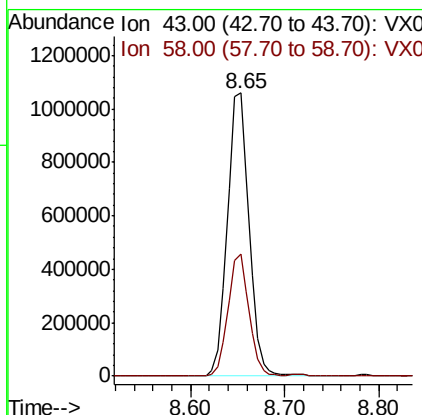
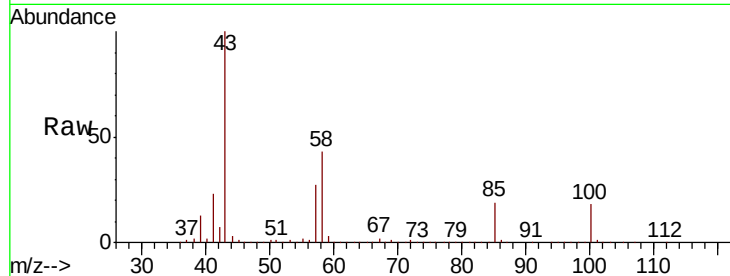
#51
 4-Methyl-2-Pentanone
 Concen: 263.21 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1698940
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.0 49.6

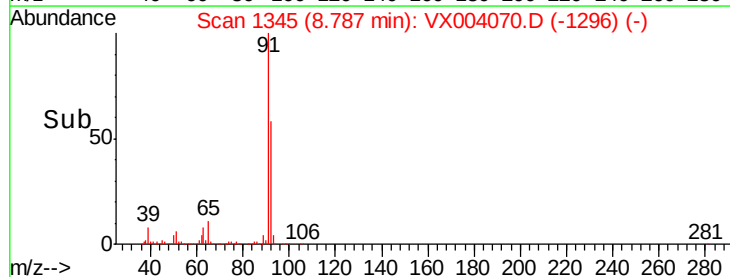
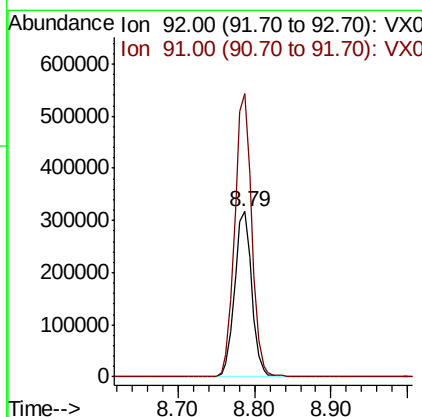
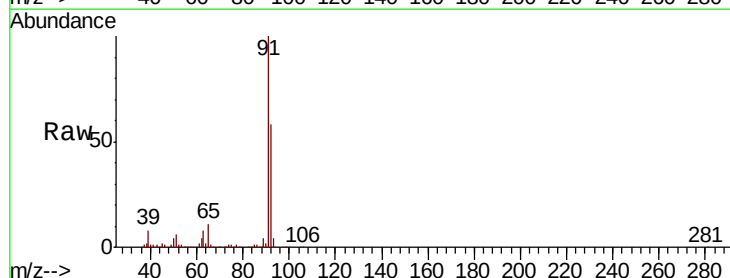
Manual Integrations
 APPROVED

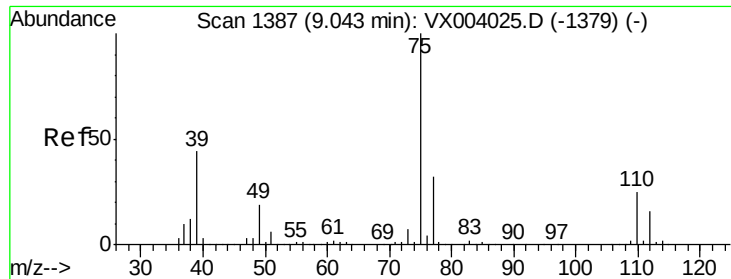
MMDadoda
 8/16/2018 4:39:01 PM



#52
 Toluene
 Concen: 52.57 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion: 92 Resp: 489640
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.1 204.1





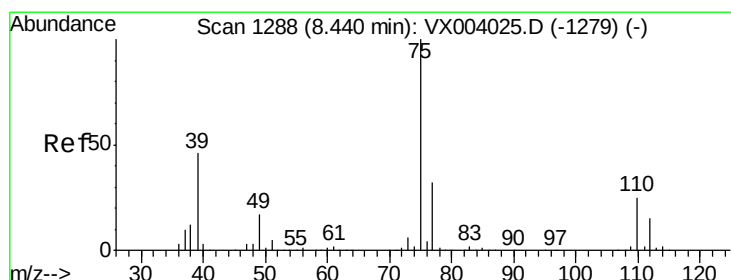
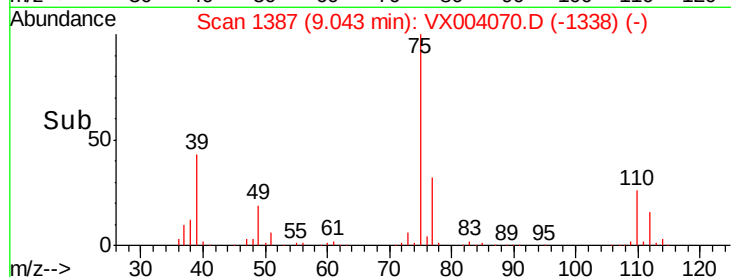
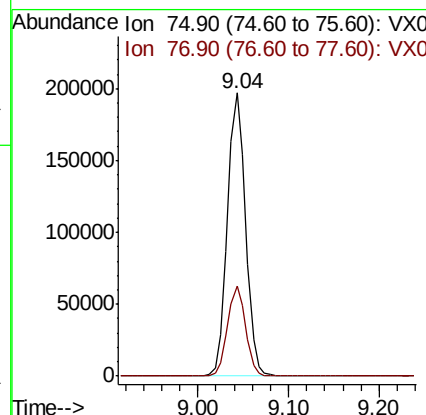
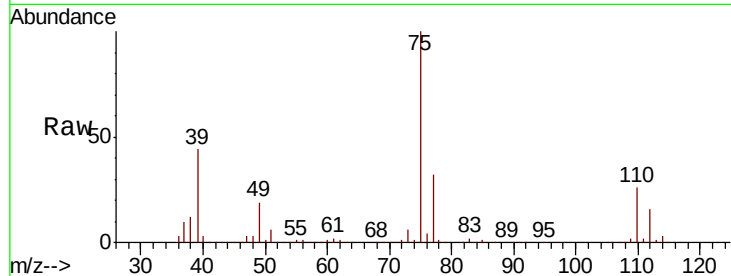
#53
 t-1,3-Dichloropropene
 Concen: 54.62 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 275344
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7

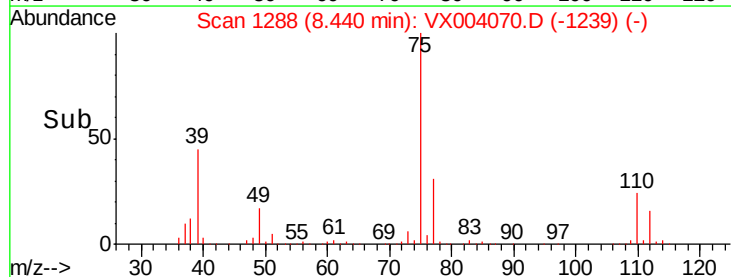
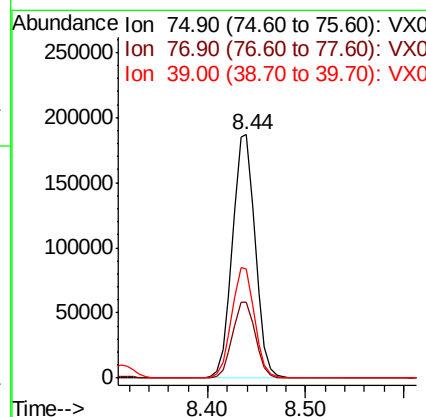
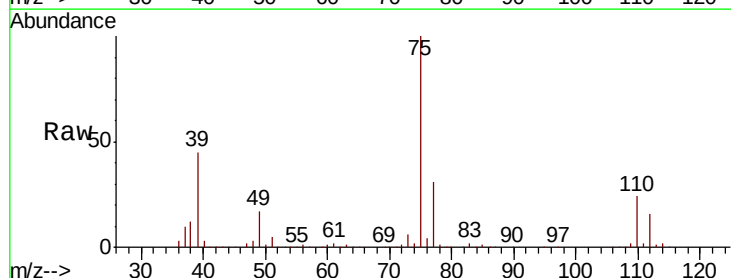
Manual Integrations
 APPROVED

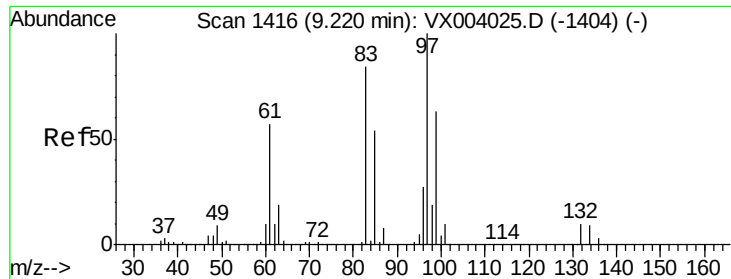
MMDadoda
 8/16/2018 4:39:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.03 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion: 75 Resp: 301591
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9
 39 45.0 36.2 54.2





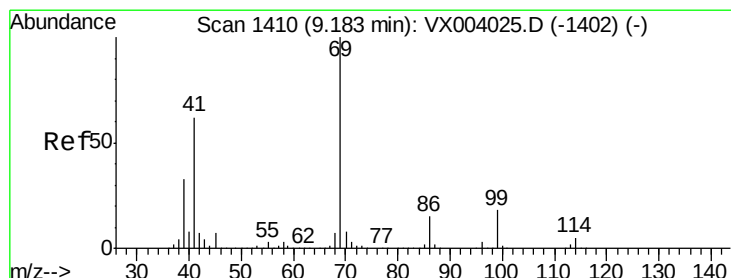
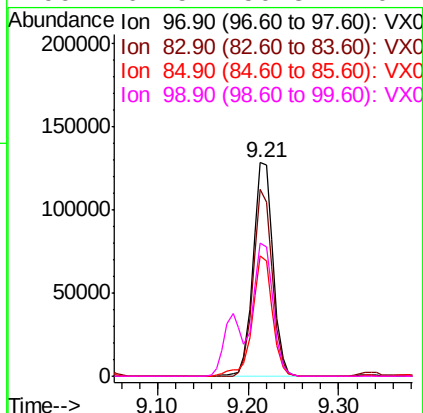
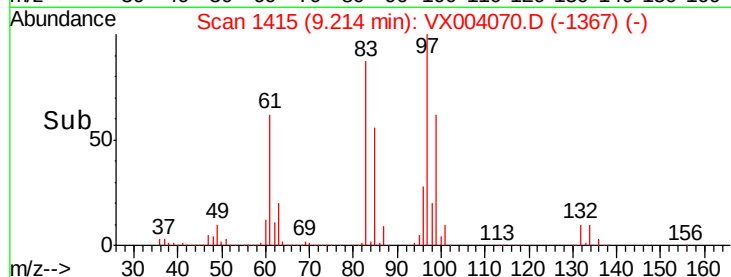
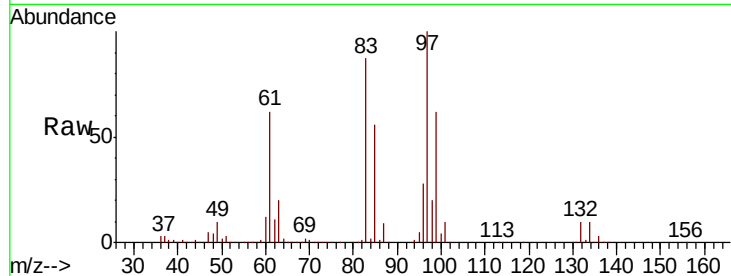
#55
 1,1,2-Trichloroethane
 Concen: 50.28 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	193397
Ion Ratio	Lower	Upper	
97	100		
83	87.5	67.8	101.6
85	56.2	44.2	66.2
99	62.5	50.8	76.2

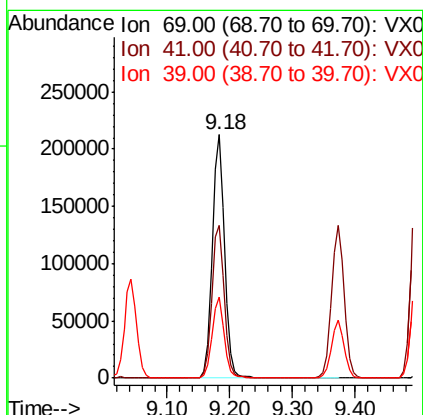
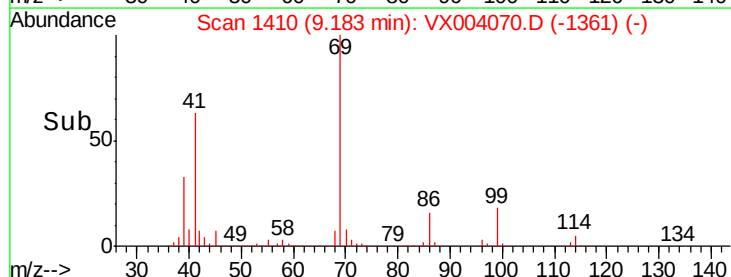
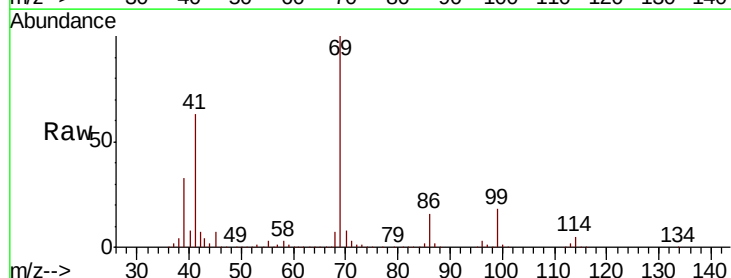
Manual Integrations
 APPROVED

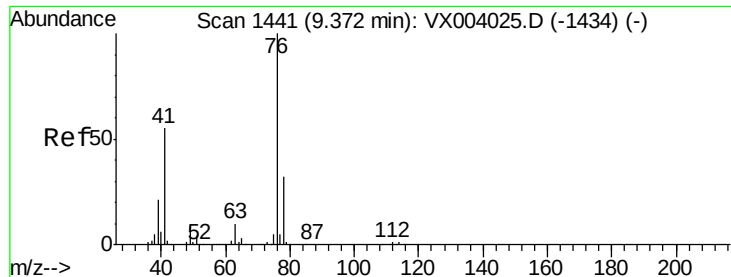
MMDadoda
 8/16/2018 4:39:01 PM



#56
 Ethyl methacrylate
 Concen: 54.75 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion:	69	Resp:	286346
Ion Ratio	Lower	Upper	
69	100		
41	63.4	50.6	76.0
39	32.7	25.8	38.6





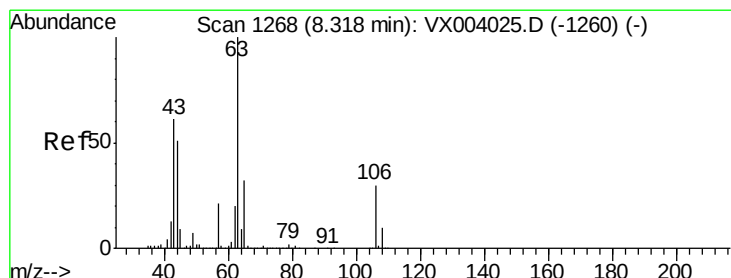
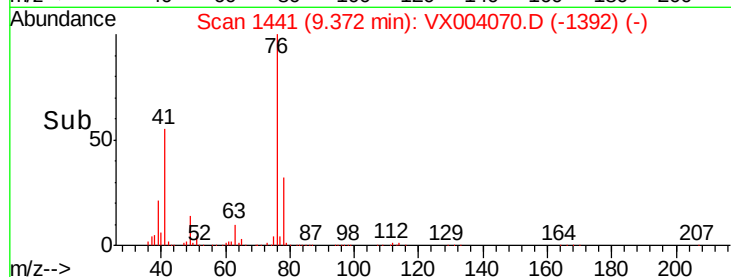
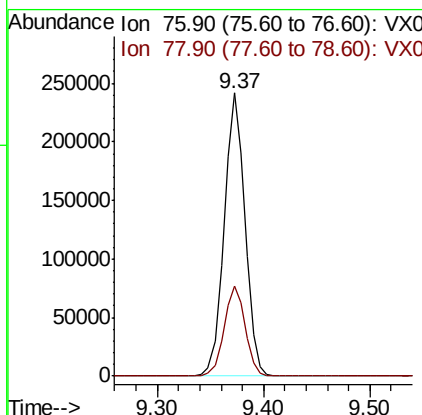
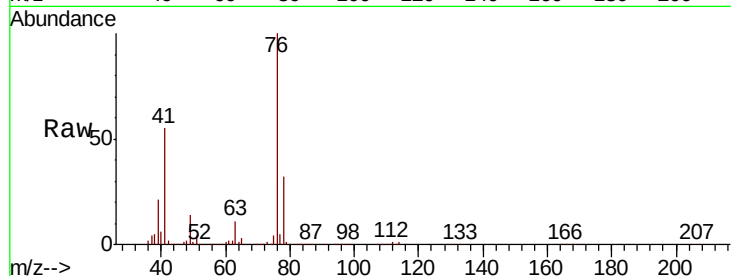
#57
 1,3-Dichloropropane
 Concen: 51.69 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

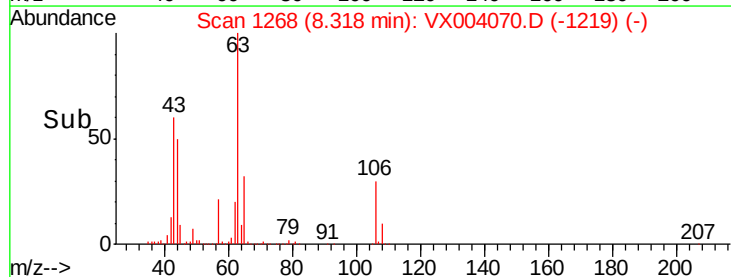
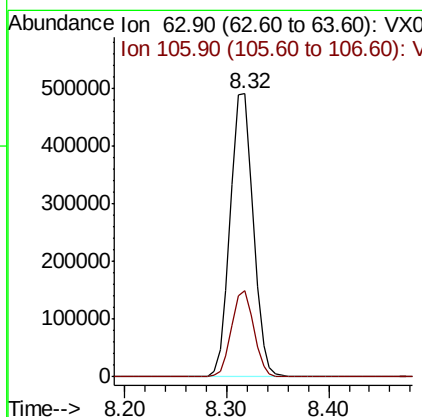
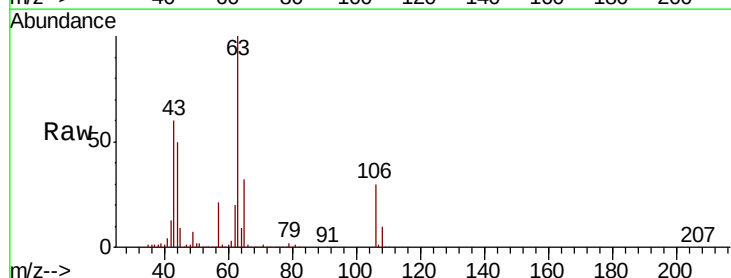
Manual Integrations
 APPROVED

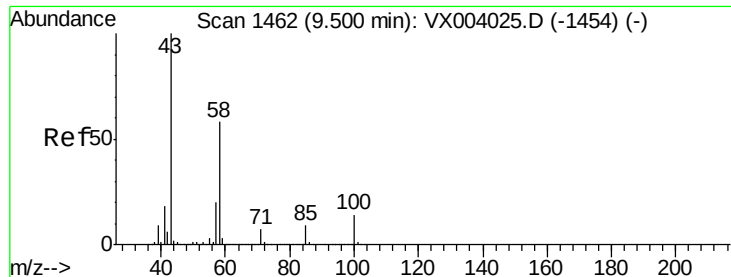
MMDadoda
 8/16/2018 4:39:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.85 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.8	35.8





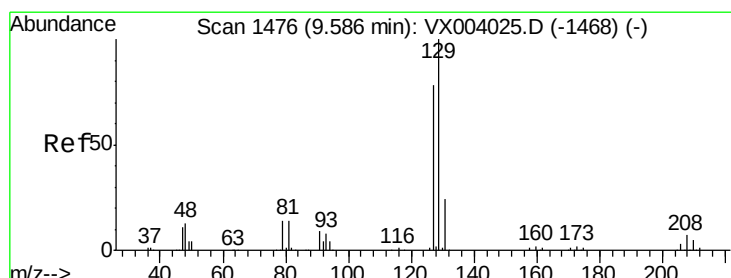
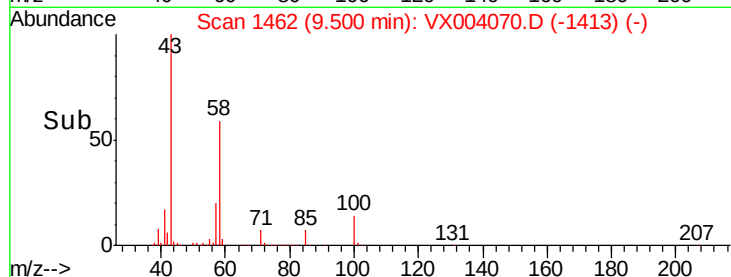
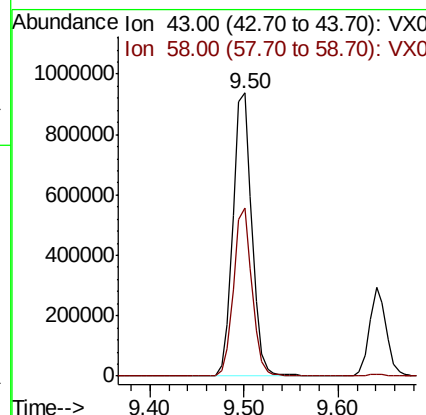
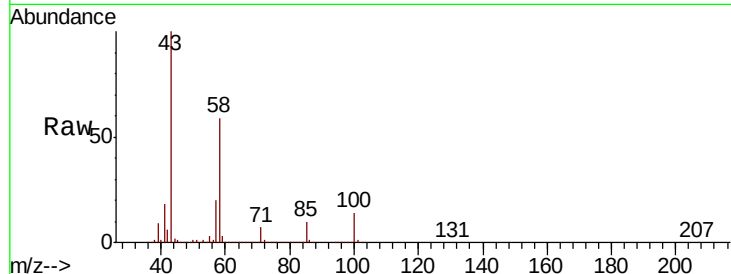
#59
2-Hexanone
Concen: 269.31 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1308275
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.0

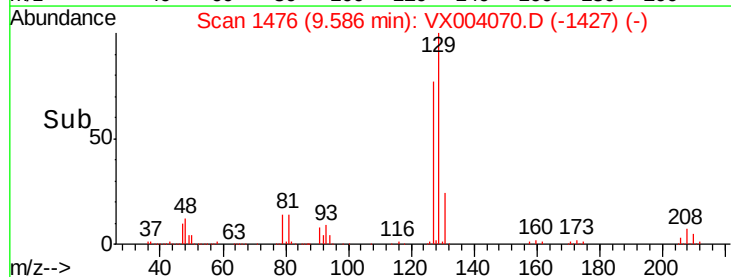
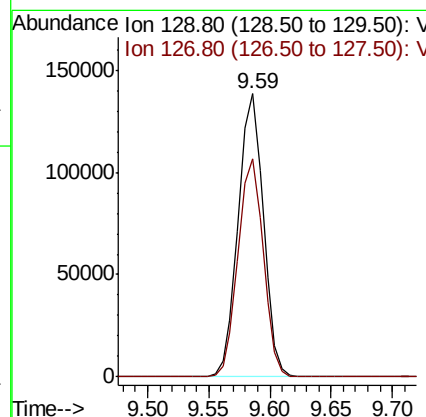
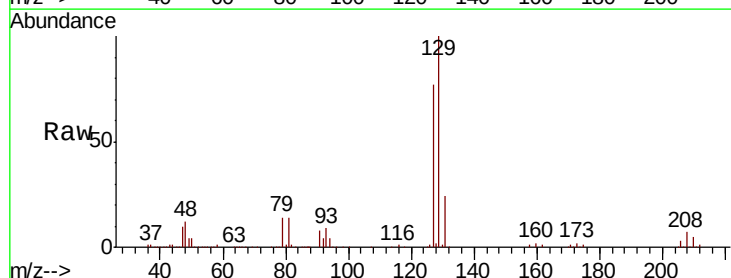
Manual Integrations
APPROVED

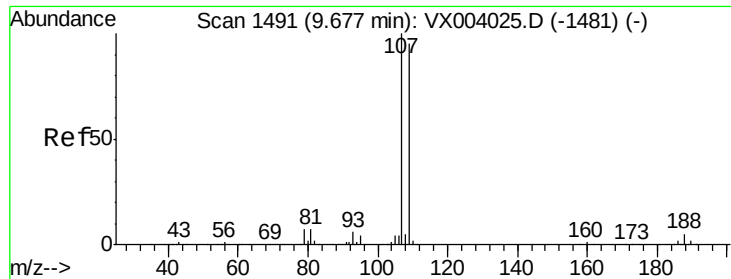
MMDadoda
8/16/2018 4:39:01 PM



#60
Dibromochloromethane
Concen: 53.19 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion: 129 Resp: 196865
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





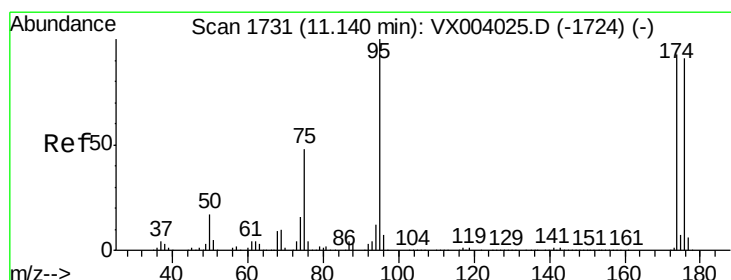
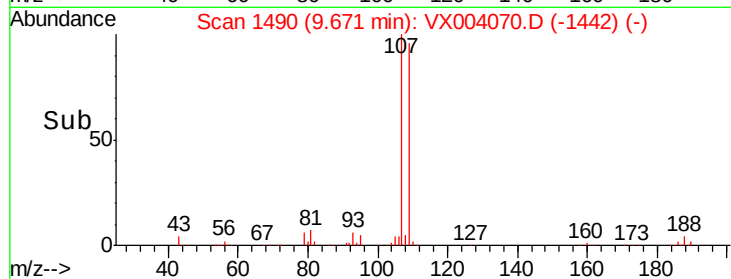
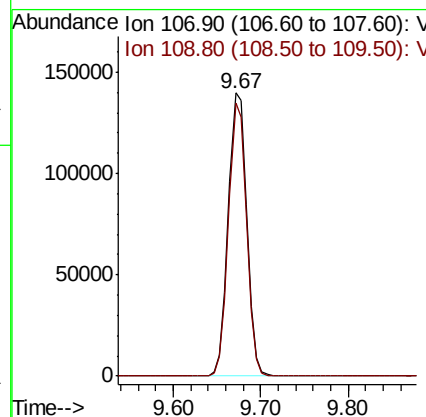
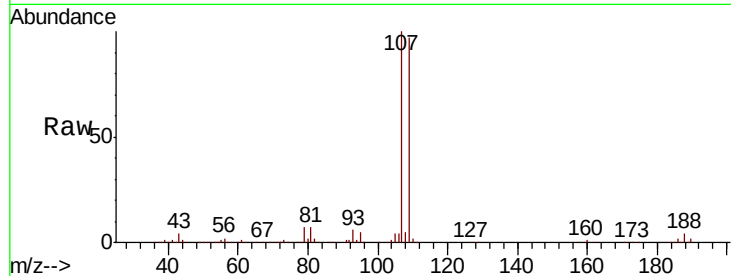
#61
 1,2-Dibromoethane
 Concen: 52.12 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	204329		
109	94.1	75.8	113.8	

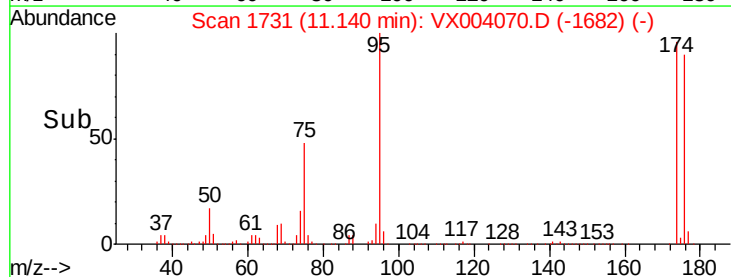
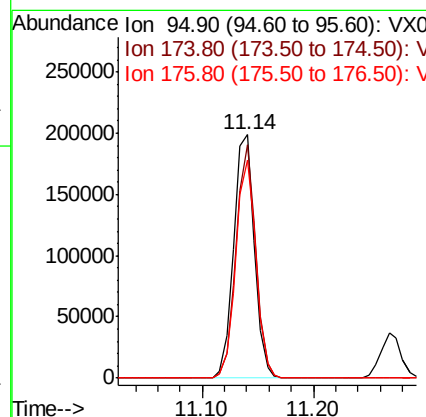
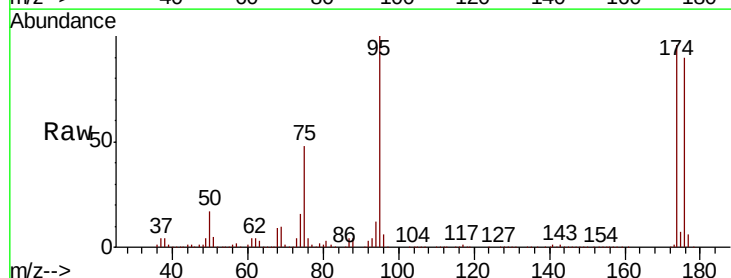
Manual Integrations
 APPROVED

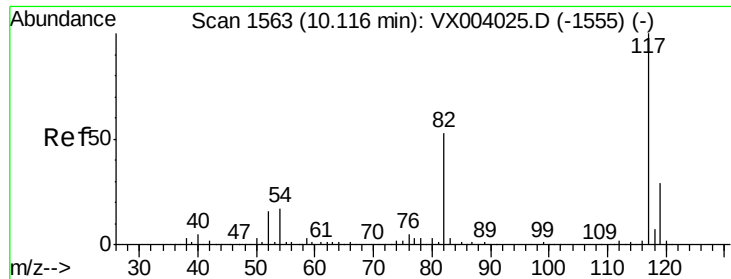
MMDadoda
 8/16/2018 4:39:01 PM



#62
 4-Bromofluorobenzene
 Concen: 53.91 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	255723		
174	91.7	0.0	182.8	
176	87.2	0.0	179.0	





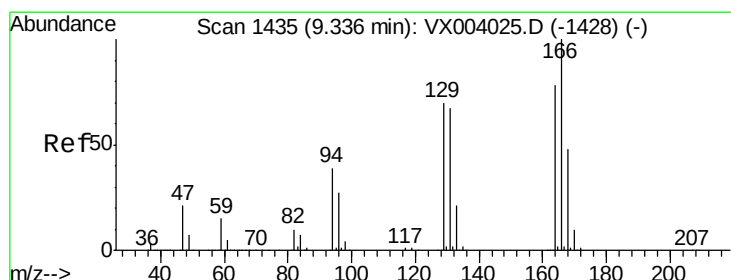
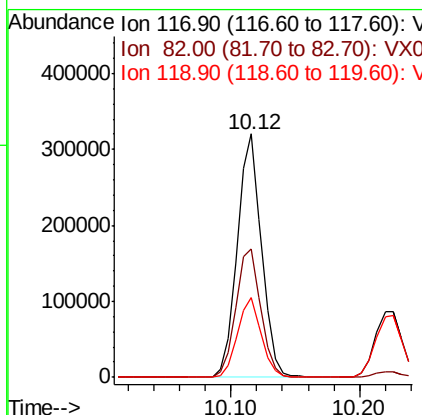
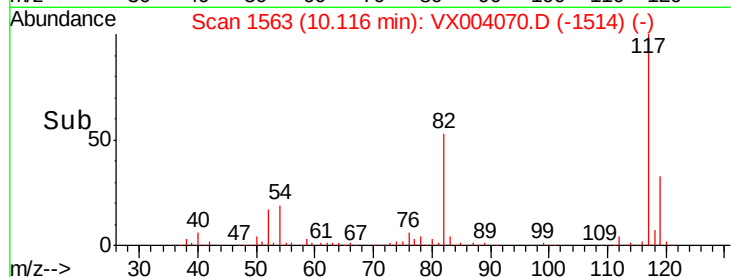
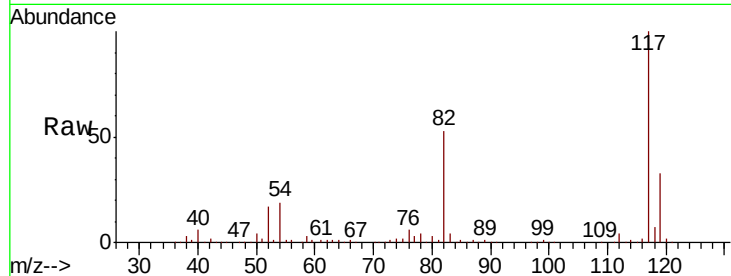
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.4	68.0
119	32.6	26.6	40.0

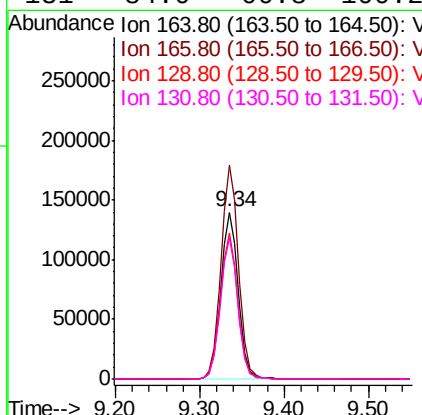
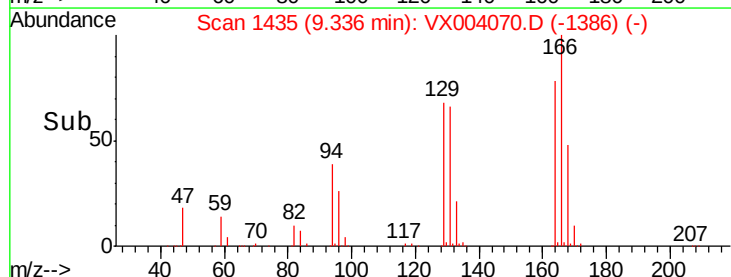
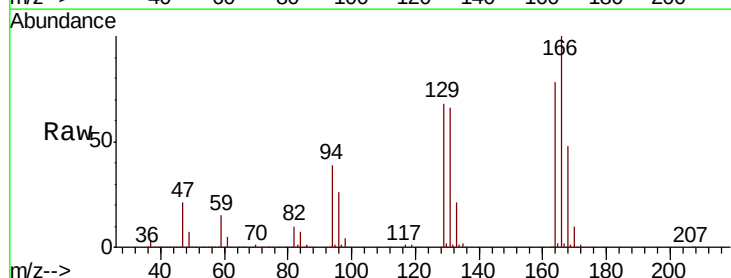
Manual Integrations
APPROVED

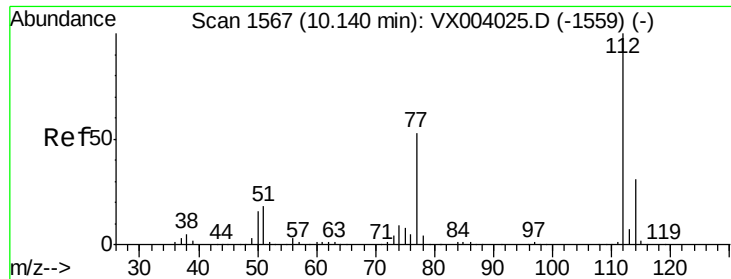
MMDadoda
8/16/2018 4:39:01 PM



#64
Tetrachloroethene
Concen: 50.49 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	98.0	147.0
129	87.0	64.3	96.5
131	84.0	66.8	100.2





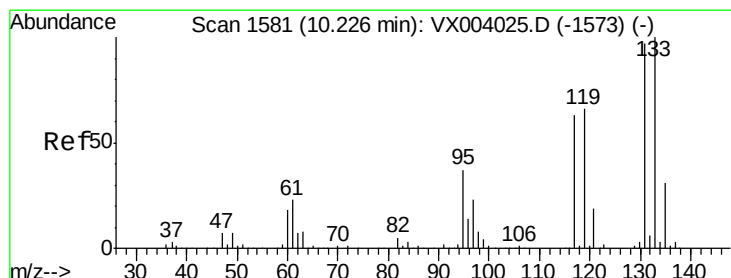
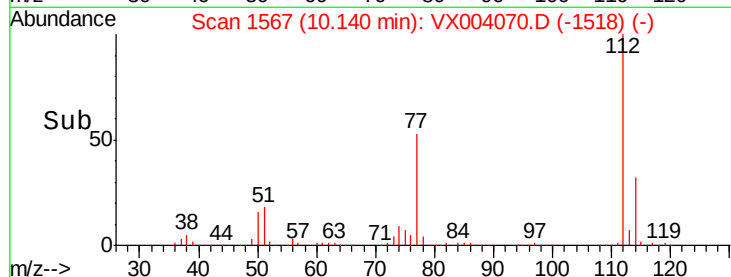
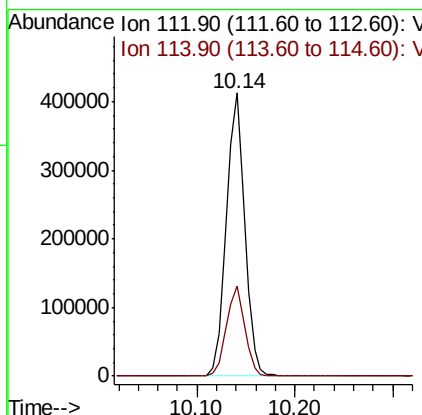
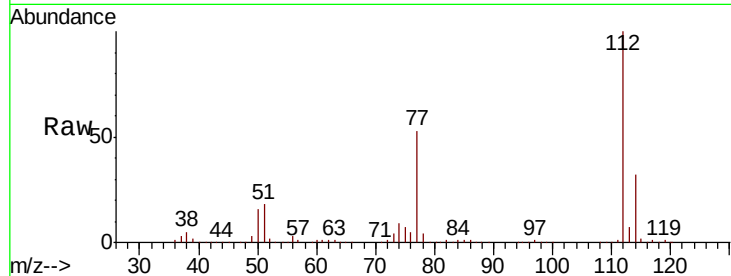
#65
Chlorobenzene
Concen: 50.10 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 540871
Ion Ratio Lower Upper
112 100
114 31.6 23.6 35.4

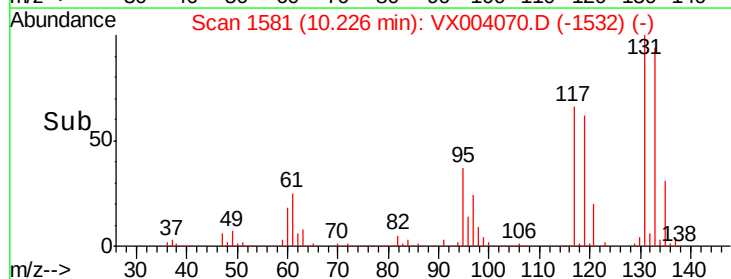
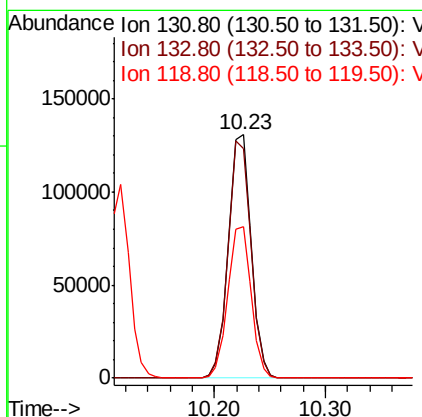
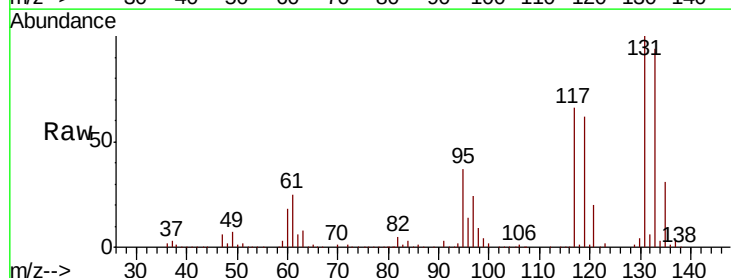
Manual Integrations
APPROVED

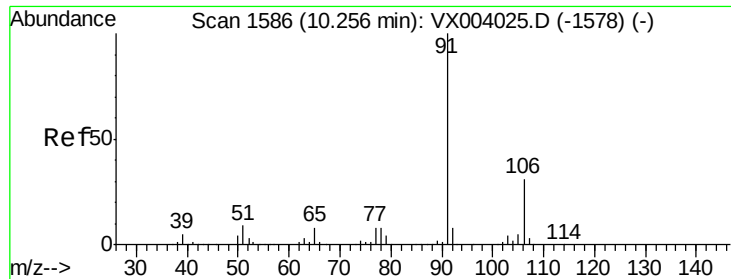
MMDadoda
8/16/2018 4:39:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.39 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion:131 Resp: 185532
Ion Ratio Lower Upper
131 100
133 97.6 47.3 141.8
119 63.8 31.6 94.8





#67

Ethyl Benzene

Concen: 53.34 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 911742

Ion Ratio Lower Upper

91 100

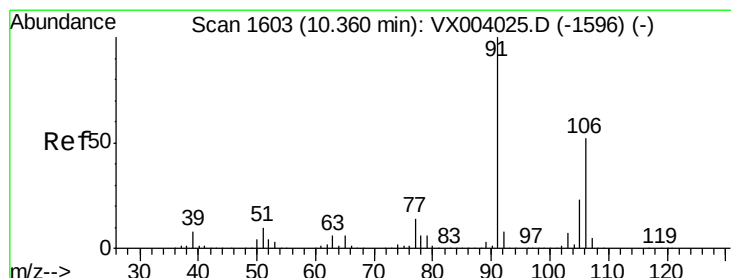
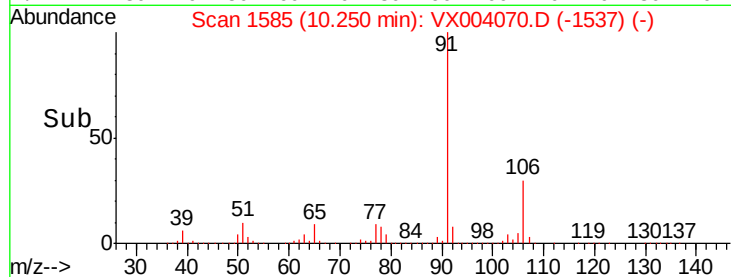
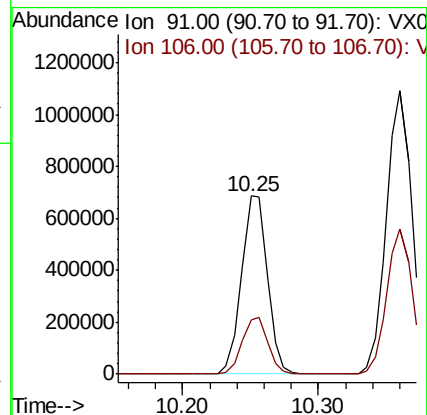
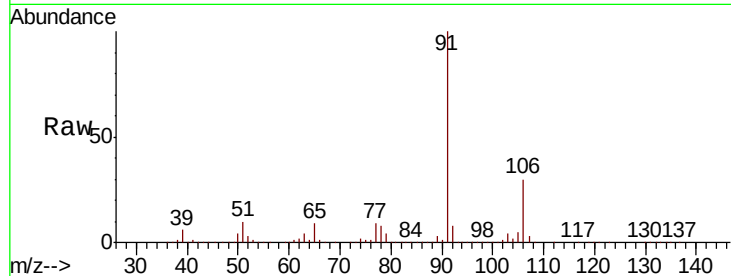
106 30.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:01 PM



#68

m/p-Xylenes

Concen: 109.88 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004070.D

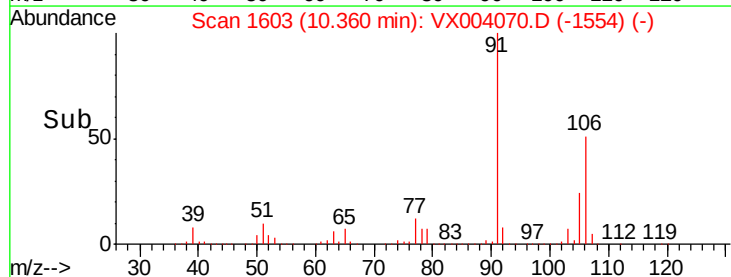
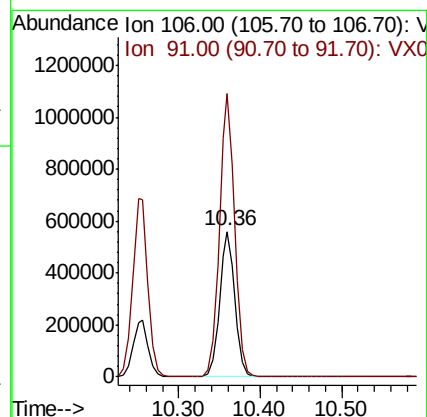
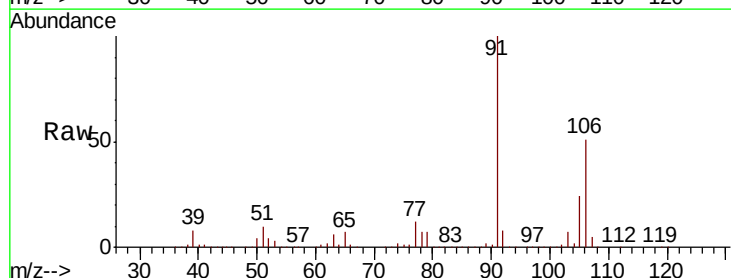
Acq: 15 Aug 2018 12:57

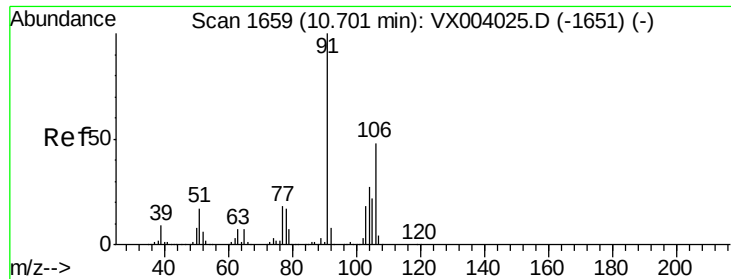
Tgt Ion: 106 Resp: 735529

Ion Ratio Lower Upper

106 100

91 196.7 162.3 243.5





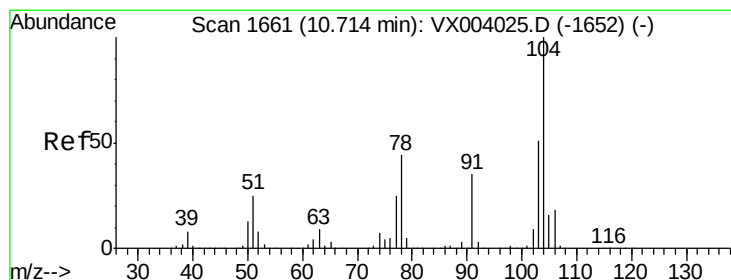
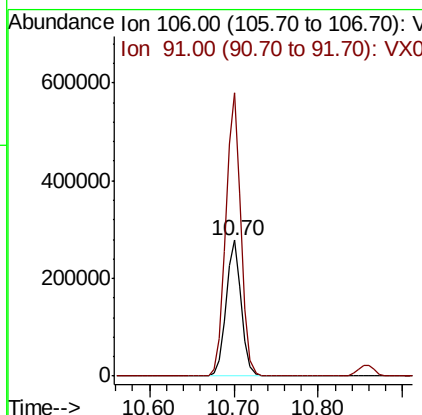
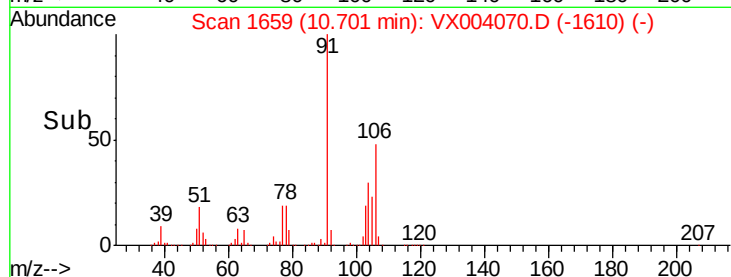
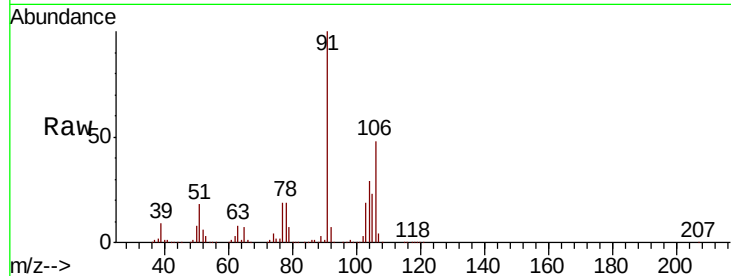
#69
o-Xylene
Concen: 53.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	101.9	305.7

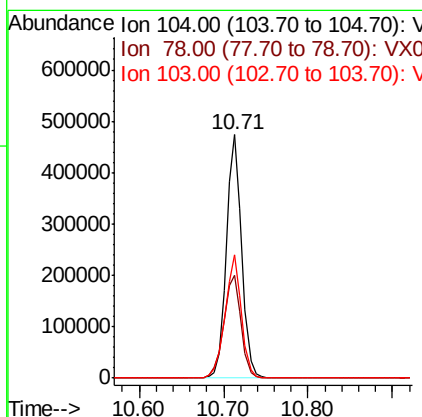
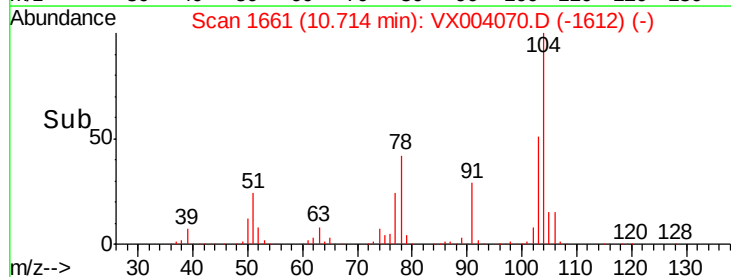
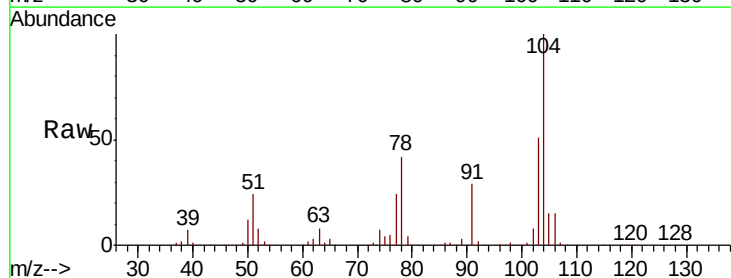
Manual Integrations
APPROVED

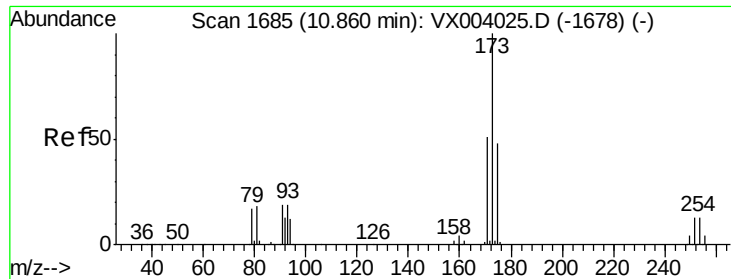
MMDadoda
8/16/2018 4:39:01 PM



#70
Styrene
Concen: 54.42 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.8	59.6
103	54.1	44.3	66.5





#71

Bromoform

Concen: 51.37 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

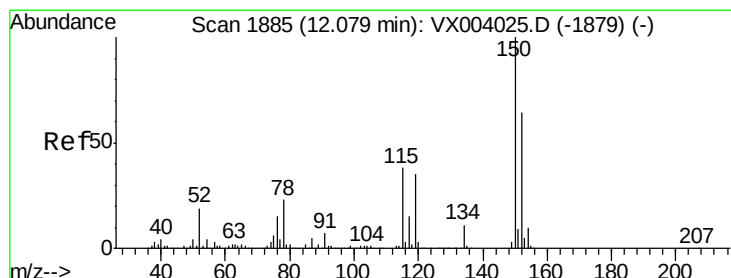
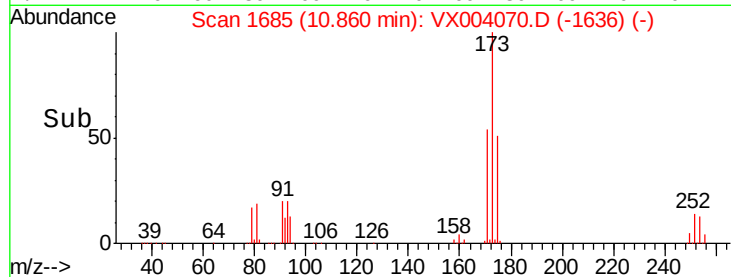
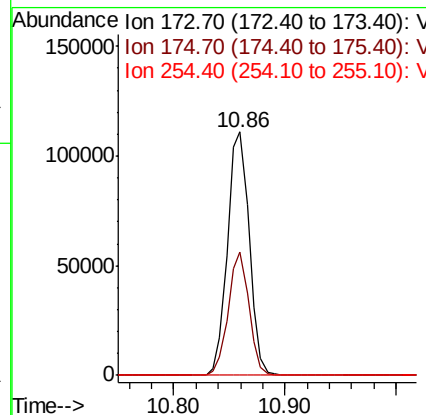
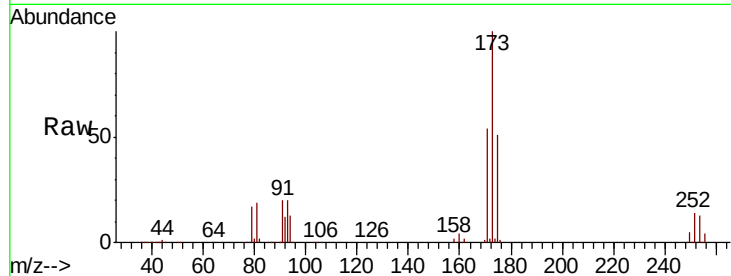
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	149992
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

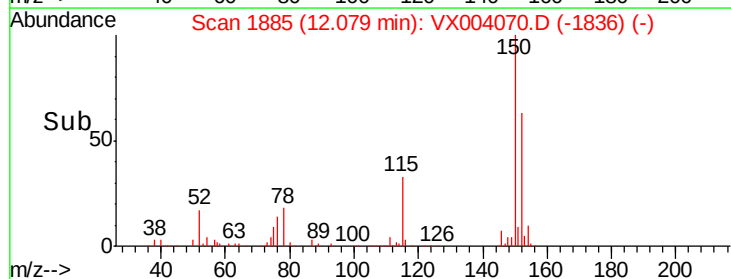
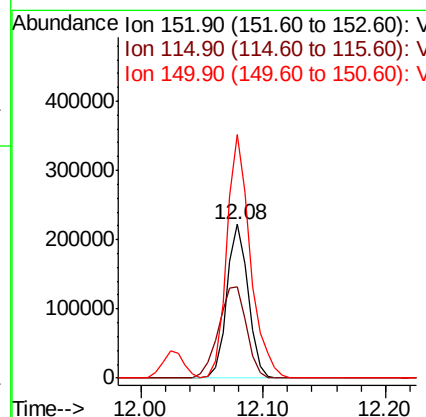
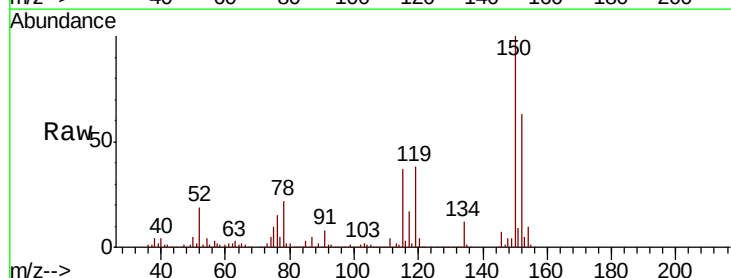
RT: 12.08 min Scan# 1885

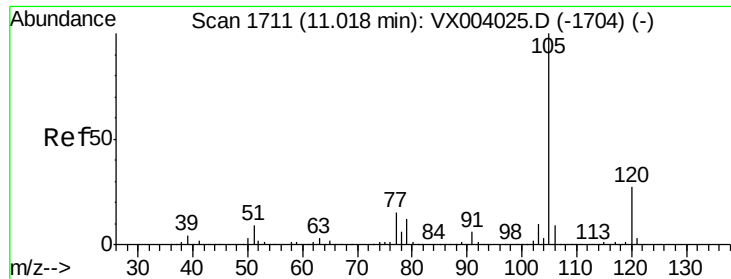
Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion:	152	Resp:	267122
Ion Ratio	Lower	Upper	
152	100		
115	78.4	39.1	117.3
150	174.6	0.0	349.2





#73

Isopropylbenzene

Concen: 52.65 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 951791

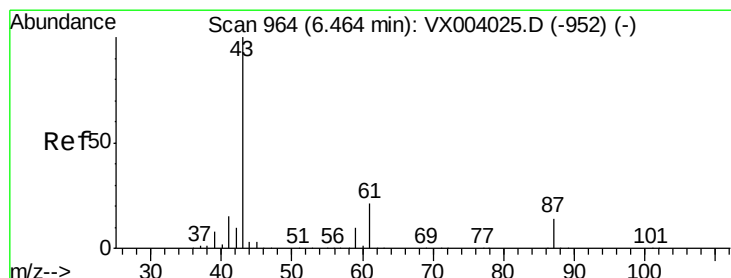
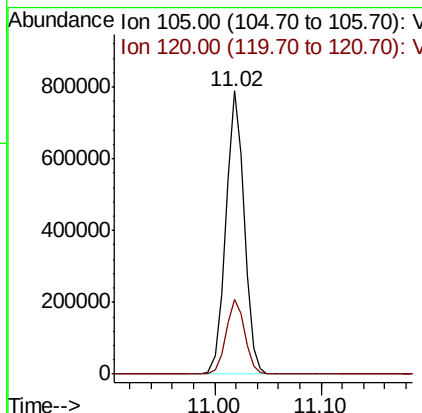
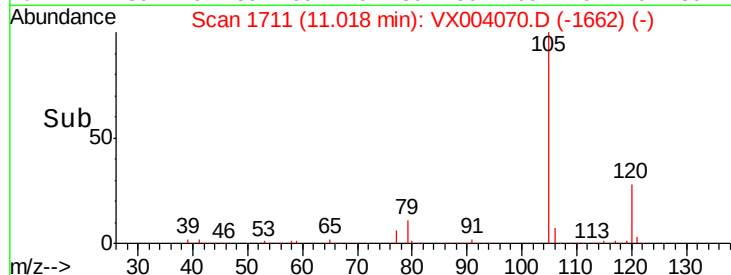
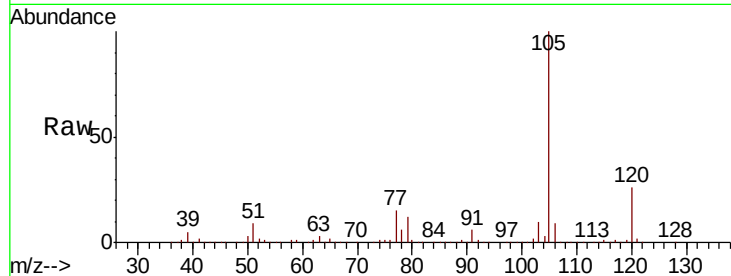
Ion Ratio Lower Upper

105 100

120 26.8 12.6 37.8

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#74

N-ethyl acetate

Concen: 46.26 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion: 43 Resp: 393291

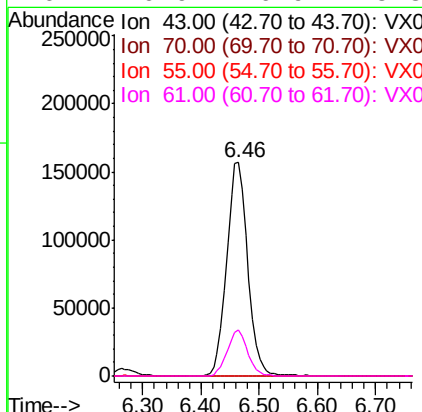
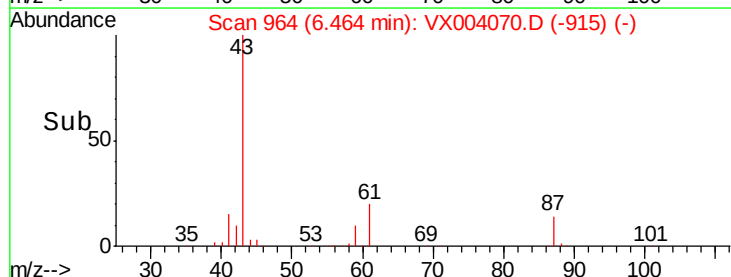
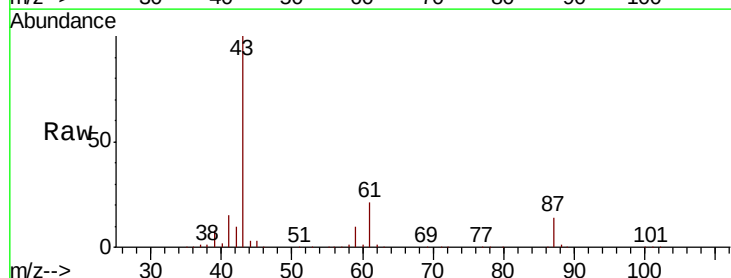
Ion Ratio Lower Upper

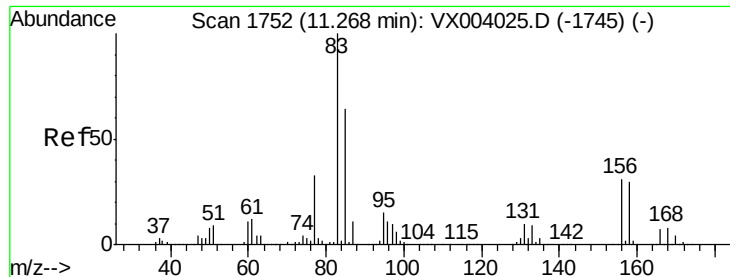
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.78 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

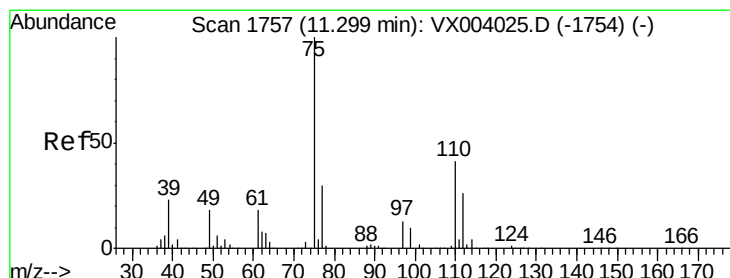
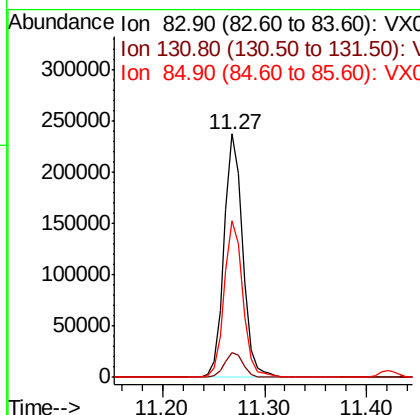
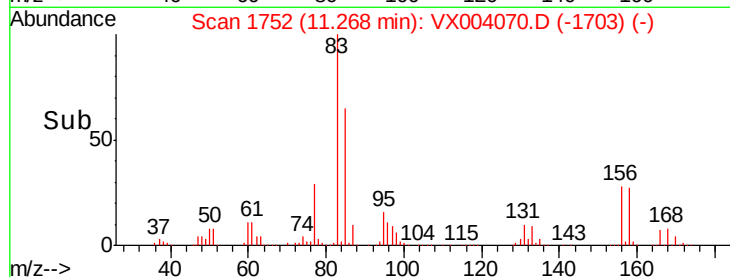
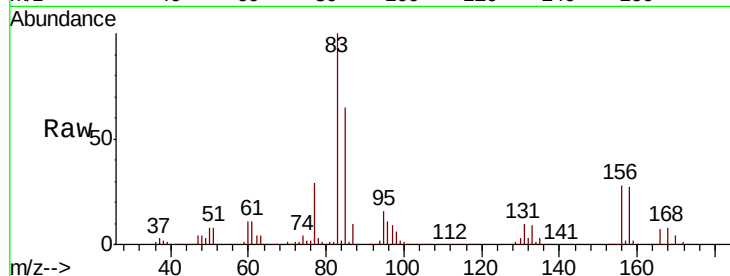
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	301621
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.6	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#76

1,2,3-Trichloropropane

Concen: 51.97 ug/l m

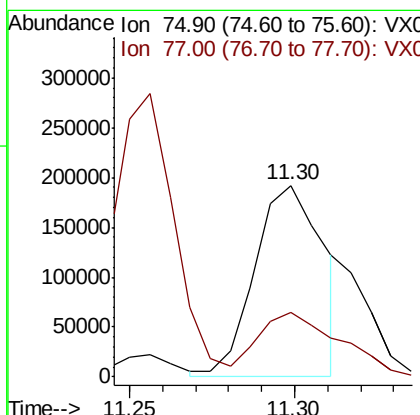
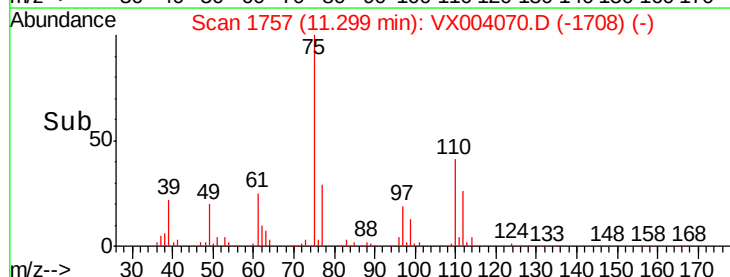
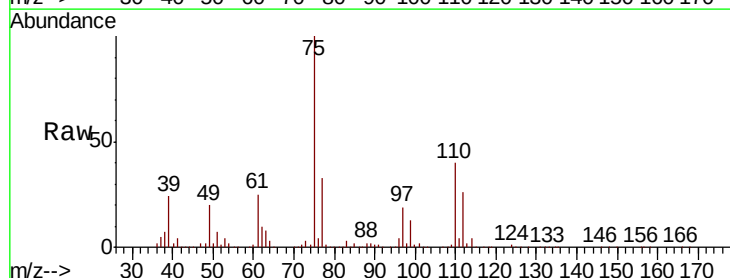
RT: 11.30 min Scan# 1757

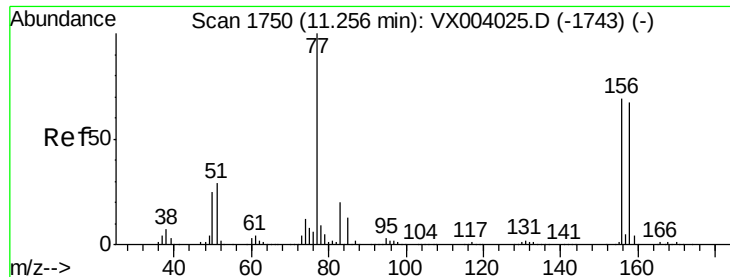
Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion:	75	Resp:	278374
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.8	62.5





#77

Bromobenzene

Concen: 49.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

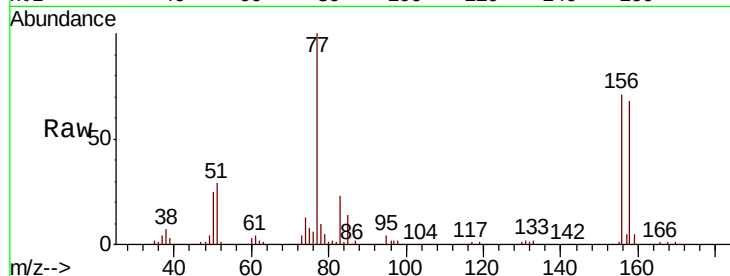
ClientSampleId :

VSTDCCC050

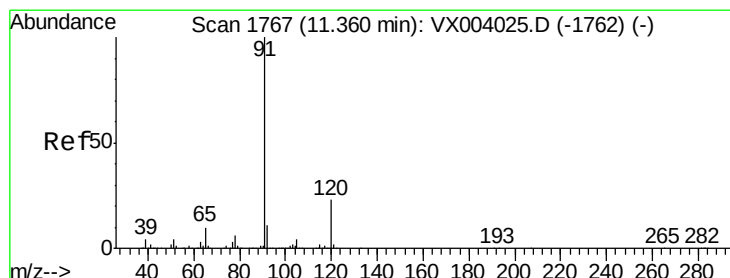
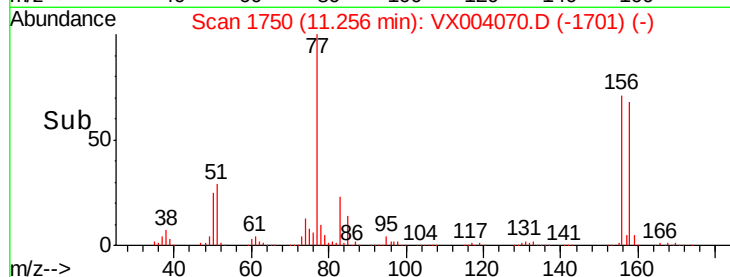
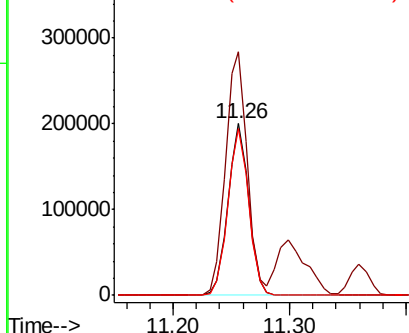
Tot Ion:	156	Resp:	247287
Ion Ratio	Lower	Upper	
156	100		
77	148.6	74.1	222.2
158	97.8	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.63 ug/l

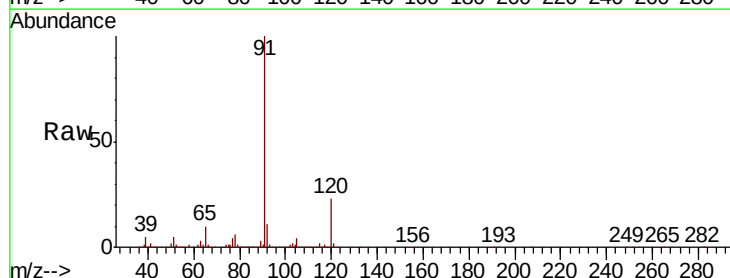
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

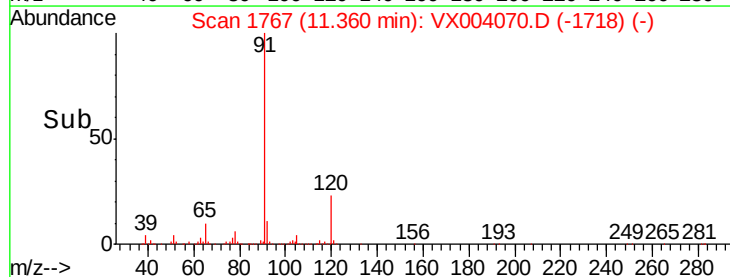
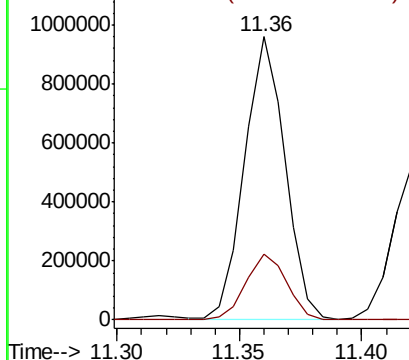
Lab File: VX004070.D

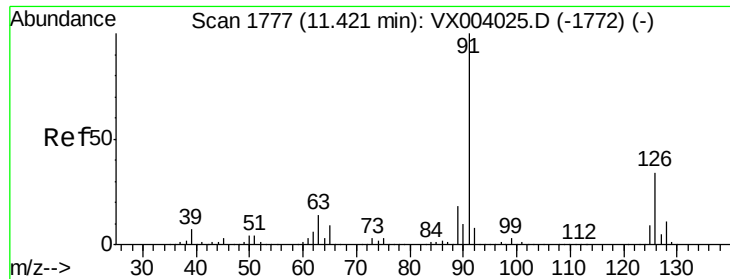
Acq: 15 Aug 2018 12:57

Tgt Ion:	91	Resp:	1105159
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5



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





#79

2-Chlorotoluene

Concen: 52.46 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 646771

Ion Ratio Lower Upper

91 100

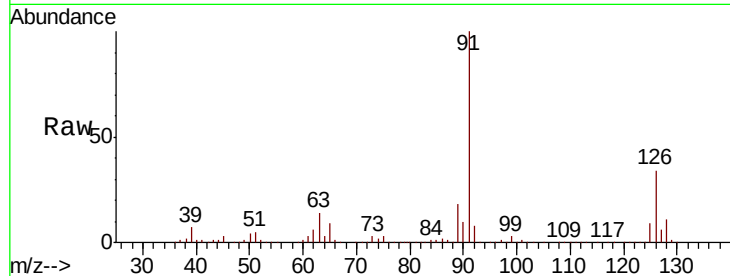
126 35.0 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004025.D (-1772) (-)

1000000

800000

600000

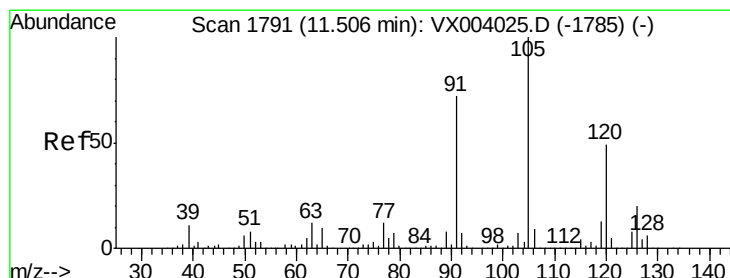
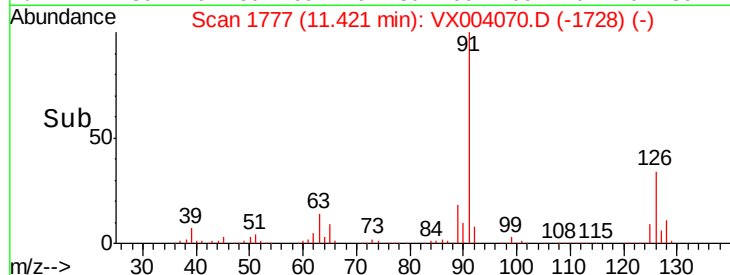
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.48 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004070.D

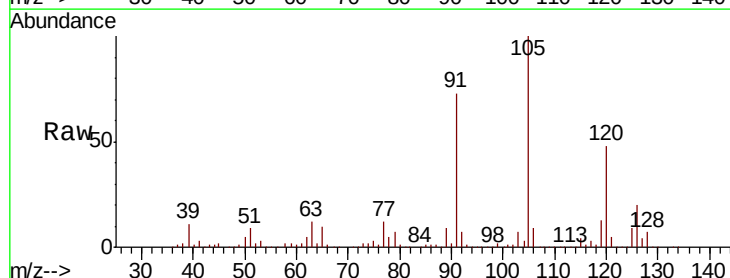
Acq: 15 Aug 2018 12:57

Tgt Ion: 105 Resp: 761972

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1785) (-)

800000

600000

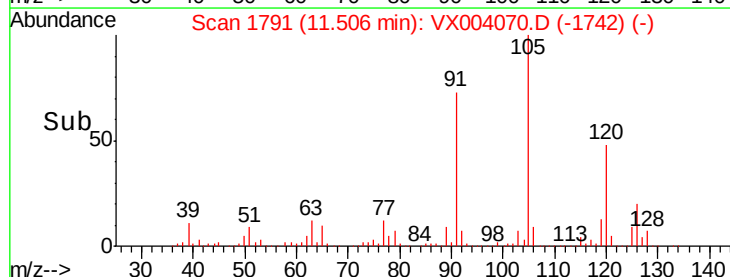
400000

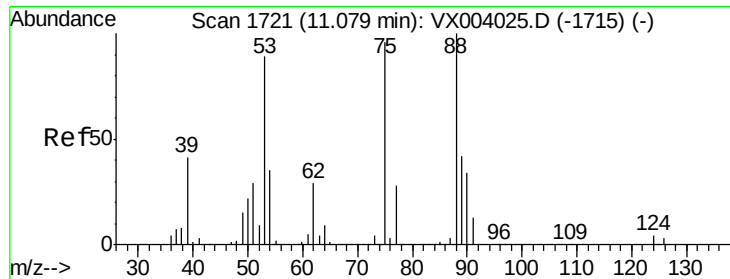
200000

0

11.50 11.51 11.60

Time-->





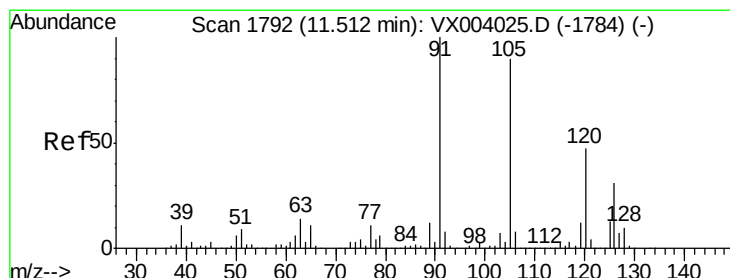
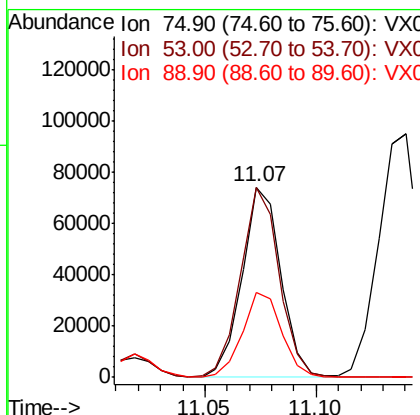
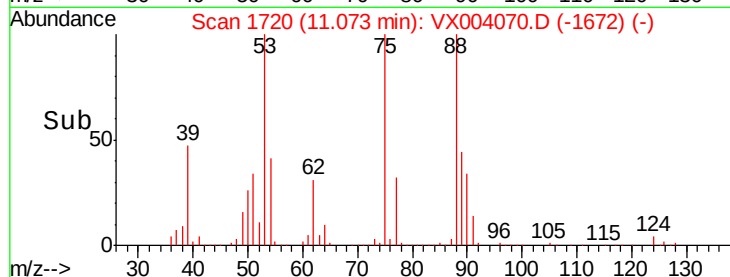
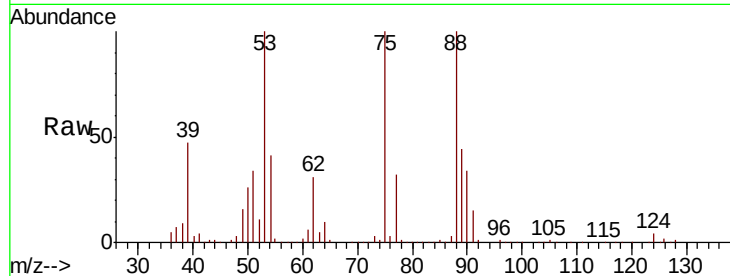
#81
trans-1,4-Dichloro-2-butene
Concen: 52.21 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	80.3	120.5
89	45.5	37.8	56.8

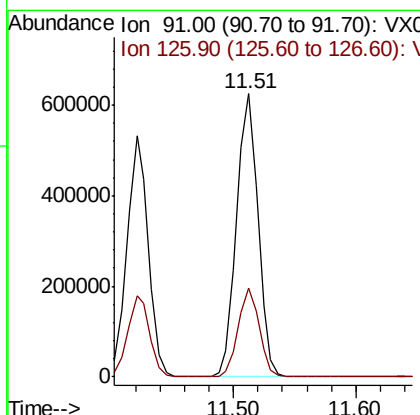
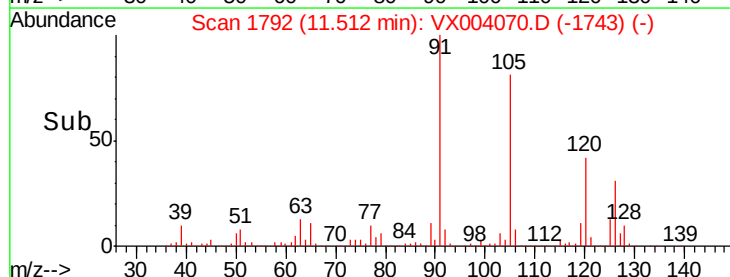
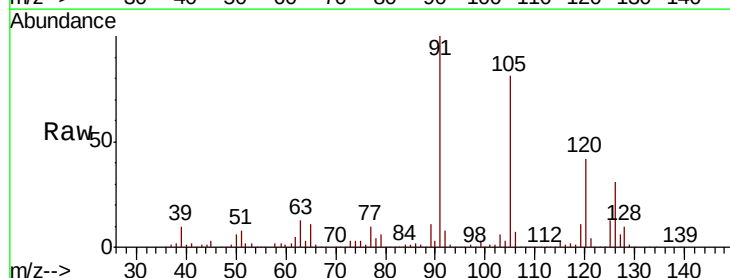
Manual Integrations
APPROVED

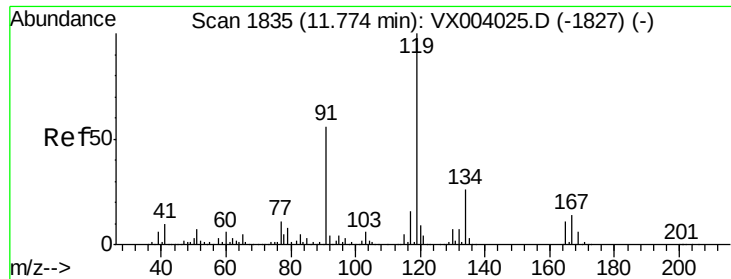
MMDadoda
8/16/2018 4:39:01 PM



#82
4-Chlorotoluene
Concen: 51.72 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.6	46.7





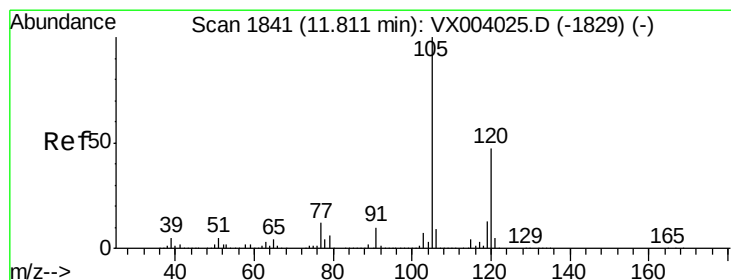
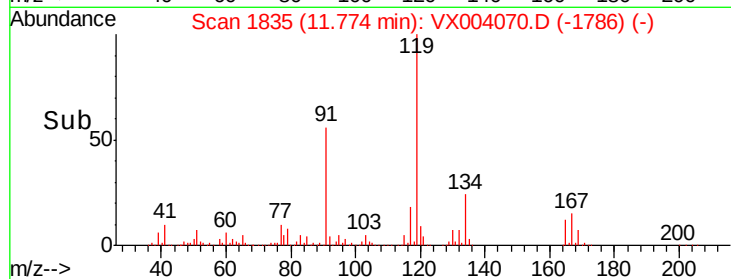
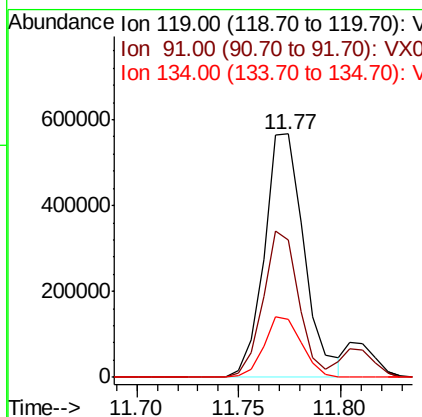
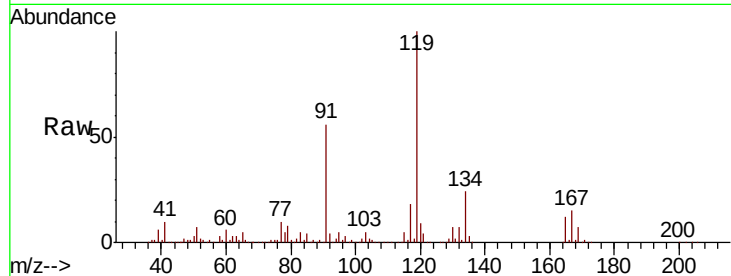
#83
 tert-Butylbenzene
 Concen: 51.72 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	771894		
91	53.9	26.9	80.7	
134	23.5	12.0	36.0	

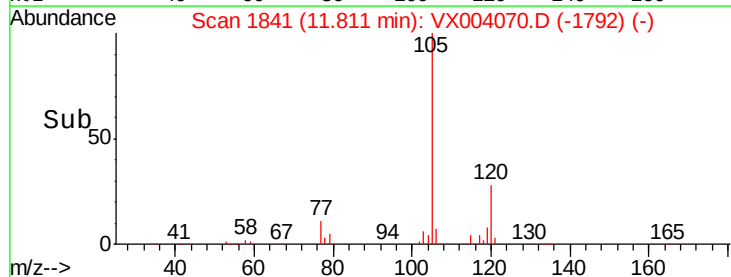
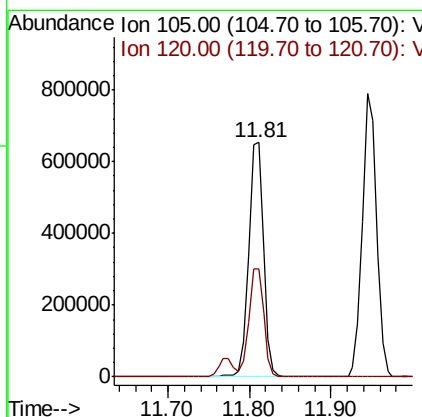
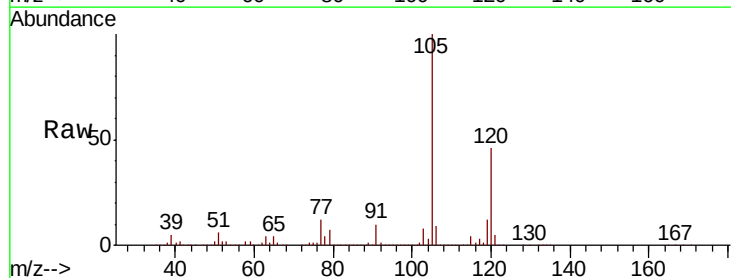
Manual Integrations
 APPROVED

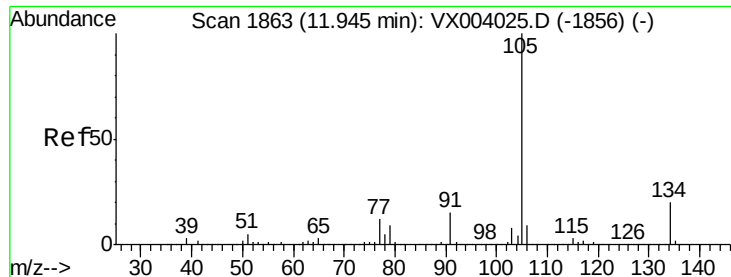
MMDadoda
 8/16/2018 4:39:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.67 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	822760		
120	46.2	23.1	69.2	





#85

sec-Butylbenzene

Concen: 53.64 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 936852

Ion Ratio Lower Upper

105 100

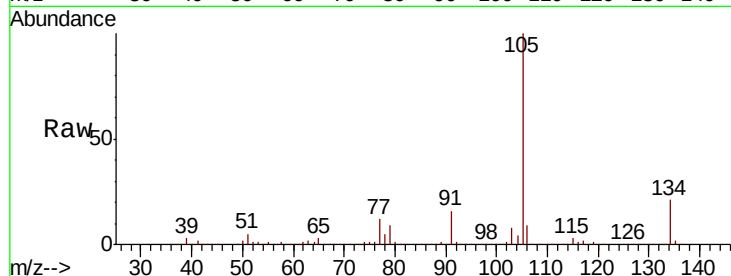
134 21.0 10.3 30.9

Manual Integrations

APPROVED

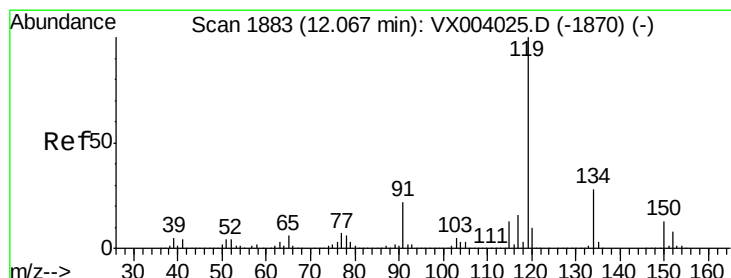
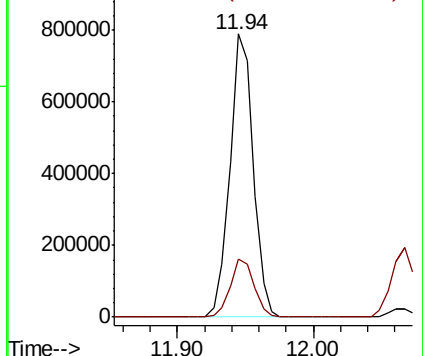
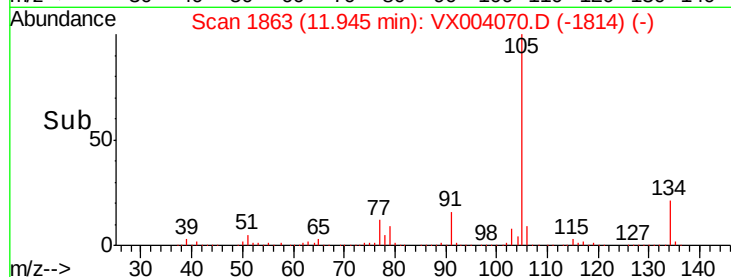
MMDadoda

8/16/2018 4:39:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.86 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

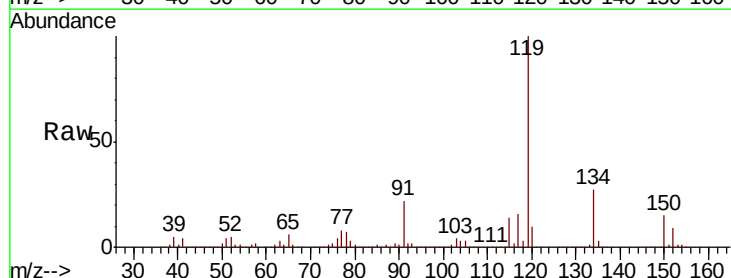
Tgt Ion:119 Resp: 851659

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

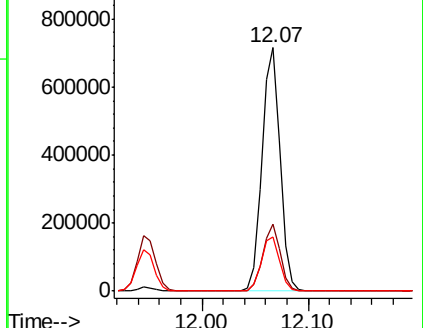
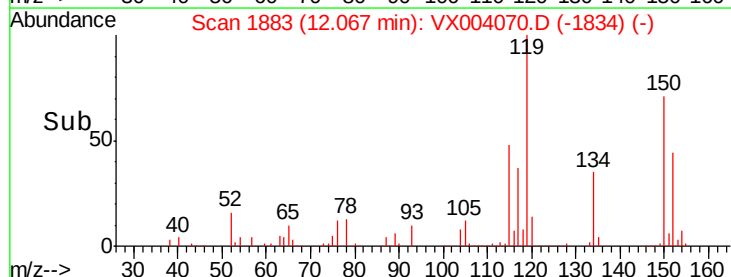
91 22.5 10.9 32.7

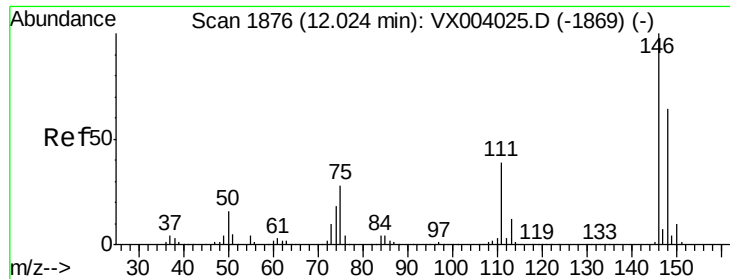


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





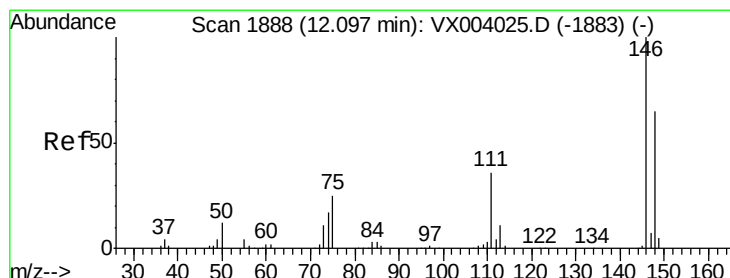
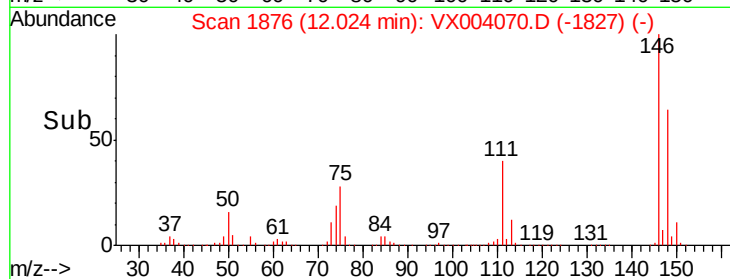
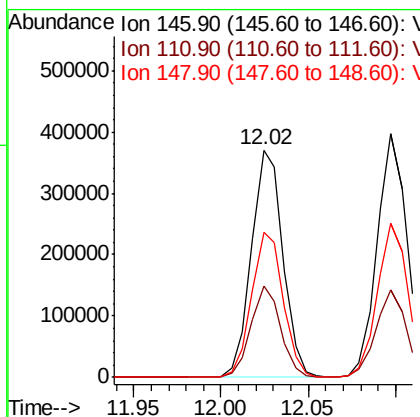
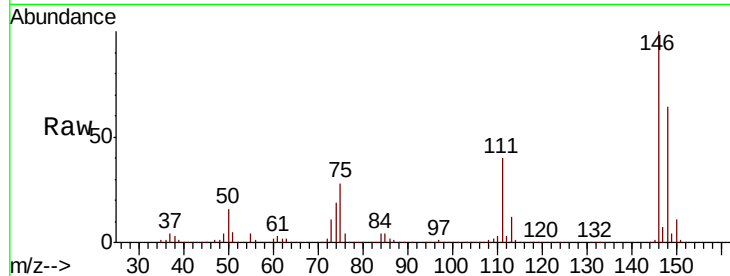
#87
 1,3-Dichlorobenzene
 Concen: 48.66 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	64.2	31.9	95.5

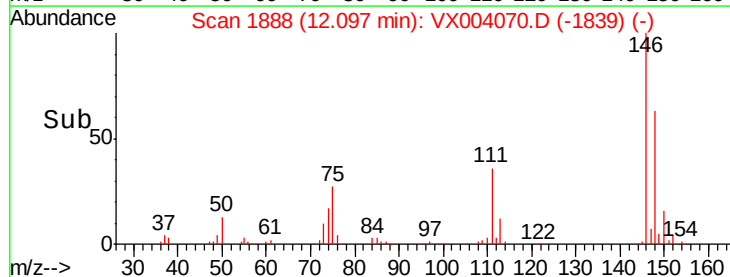
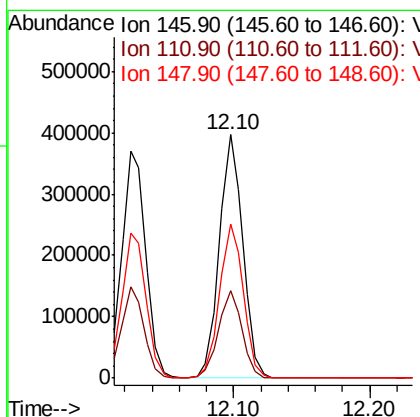
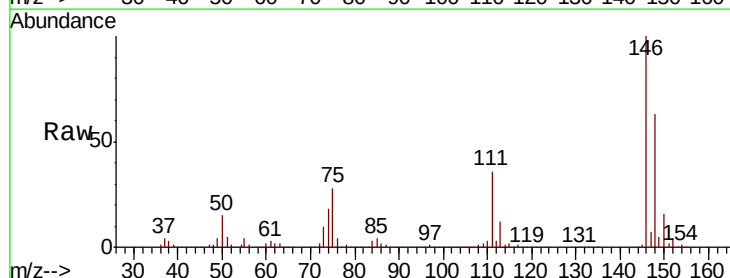
Manual Integrations
 APPROVED

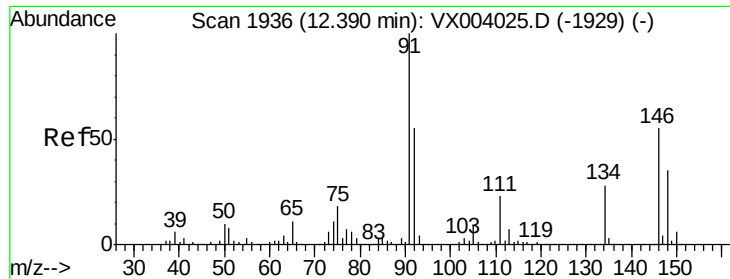
MMDadoda
 8/16/2018 4:39:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.31 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.0
148	64.2	32.3	96.8





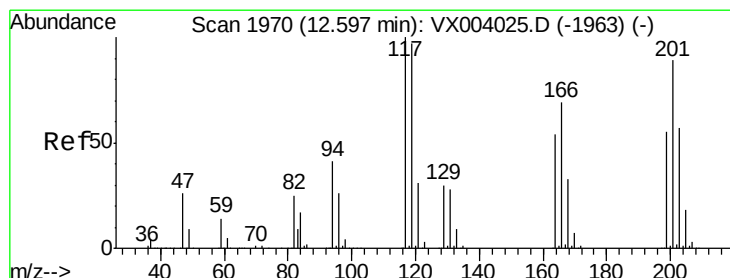
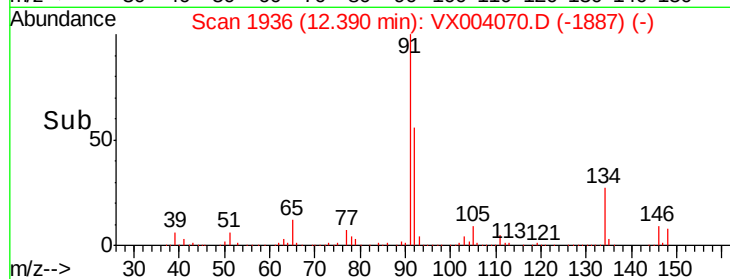
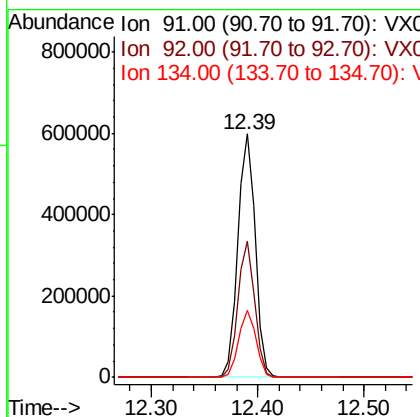
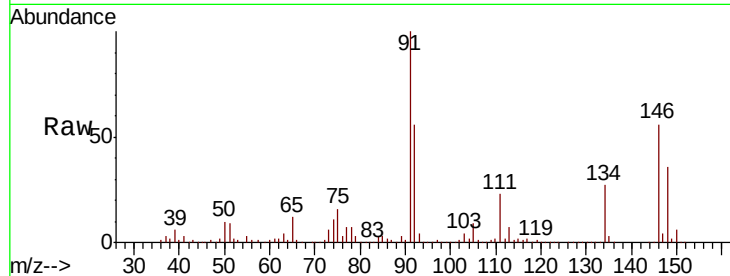
#89
n-Butylbenzene
Concen: 55.21 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.3
134	27.4	13.6	40.7

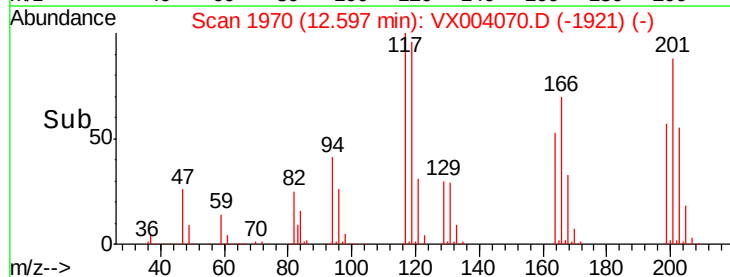
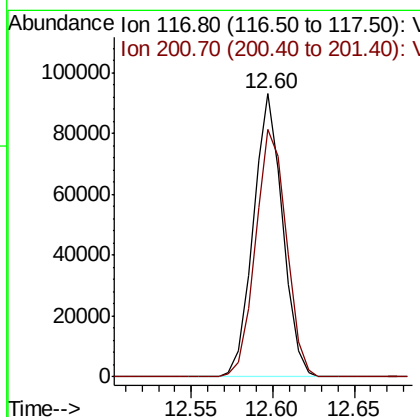
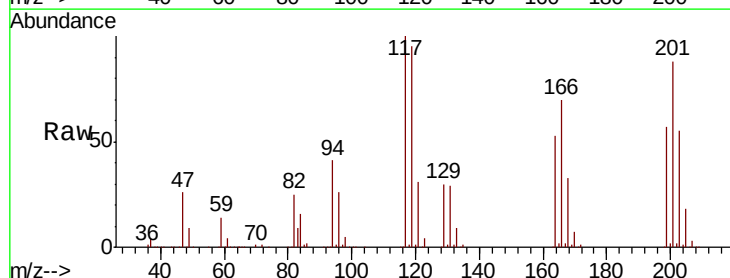
Manual Integrations
APPROVED

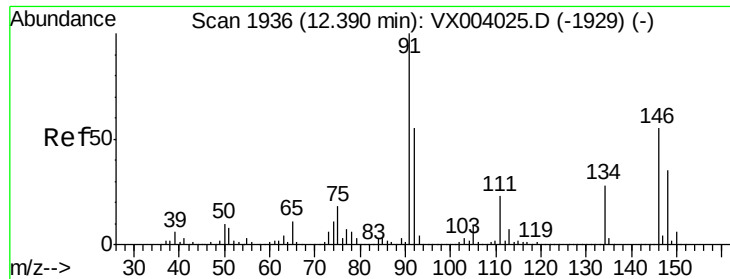
MMDadoda
8/16/2018 4:39:01 PM



#90
Hexachloroethane
Concen: 49.08 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 49.33 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Instrument :

MSVOA_X

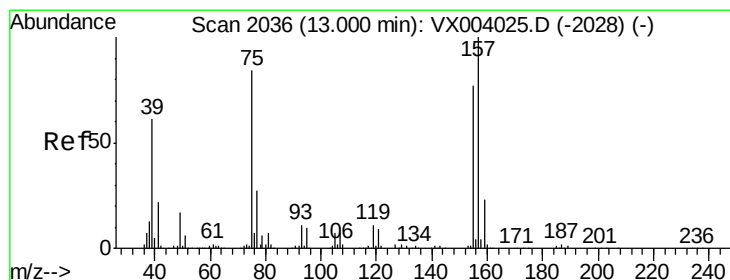
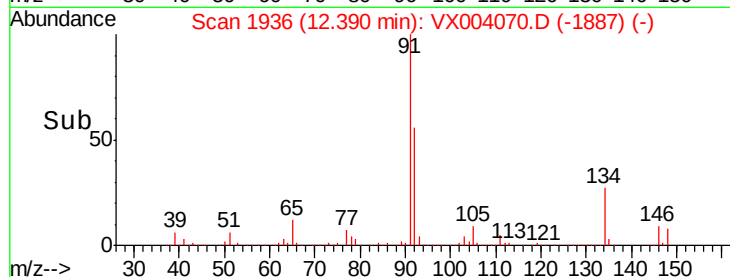
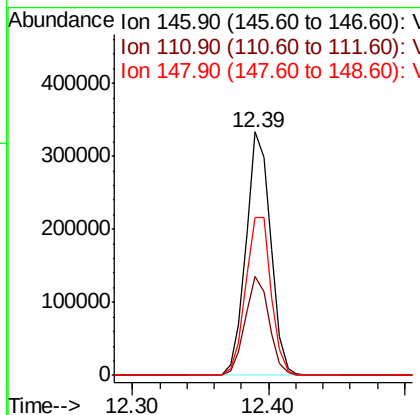
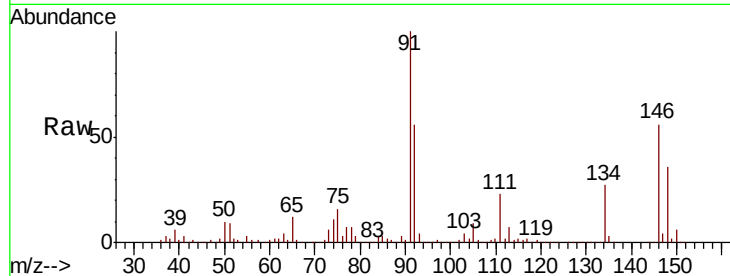
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	67.1	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.78 ug/l

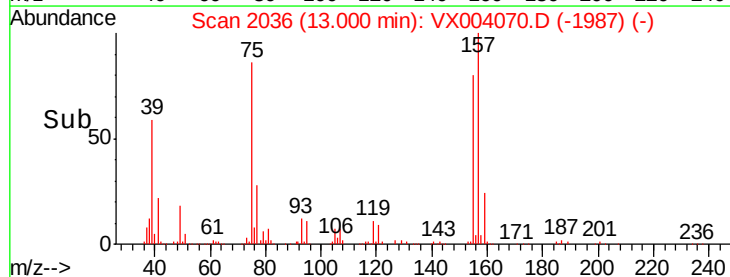
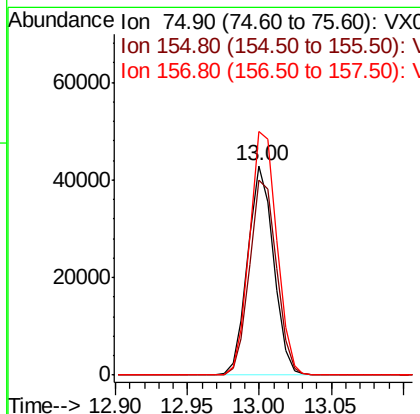
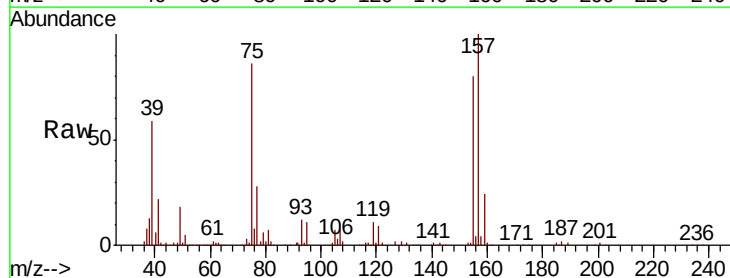
RT: 13.00 min Scan# 2036

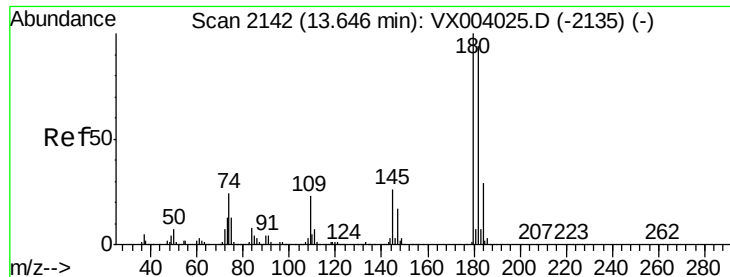
Delta R.T. 0.00 min

Lab File: VX004070.D

Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.7	146.1
157	122.5	62.6	187.8





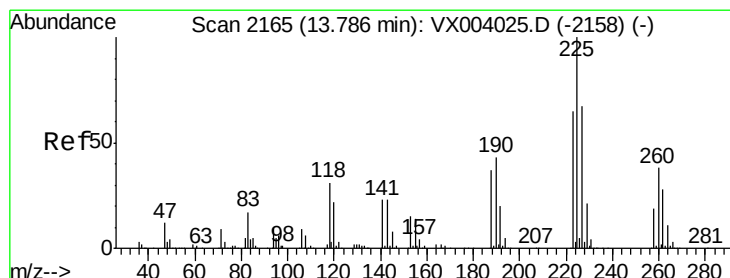
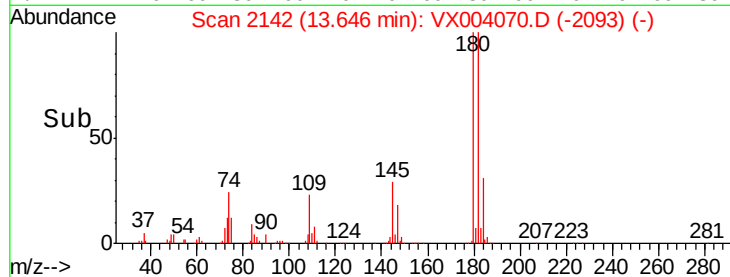
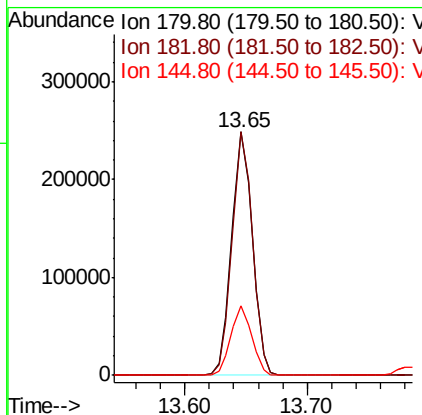
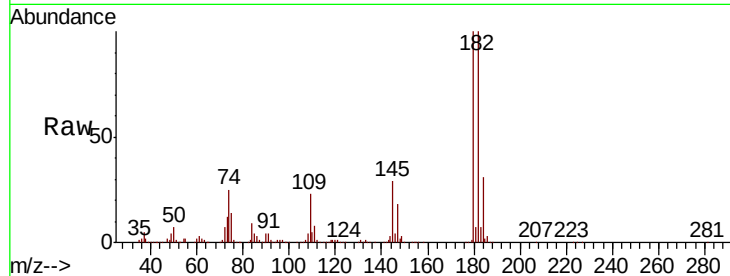
#93
 1,2,4-Trichlorobenzene
 Concen: 49.68 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291085		
182	98.4	47.7	143.1	
145	28.6	13.9	41.6	

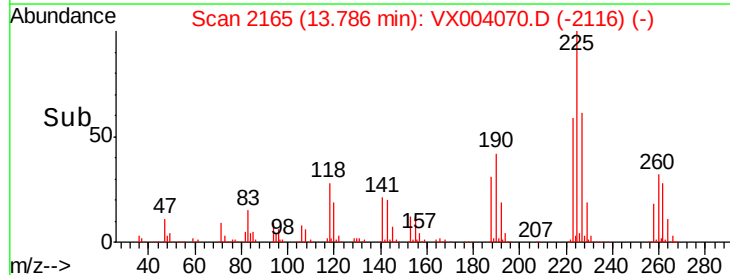
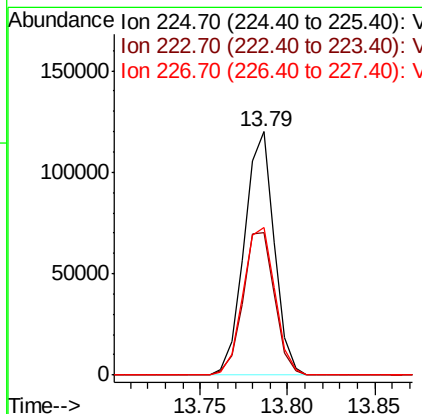
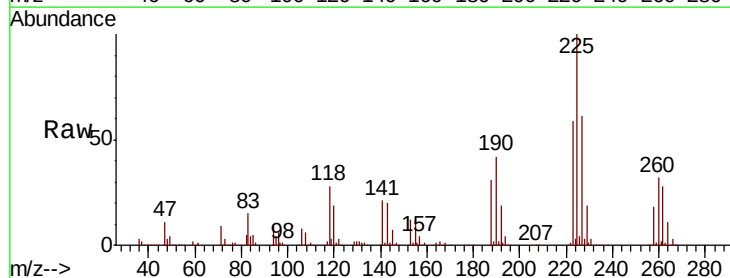
Manual Integrations
 APPROVED

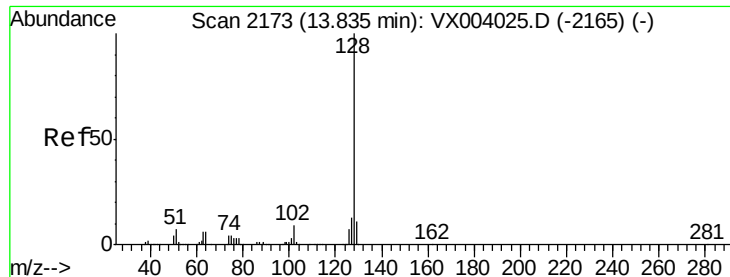
MMDadoda
 8/16/2018 4:39:01 PM



#94
 Hexachlorobutadiene
 Concen: 48.42 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004070.D
 Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142202		
223	61.6	31.4	94.0	
227	64.5	32.1	96.5	





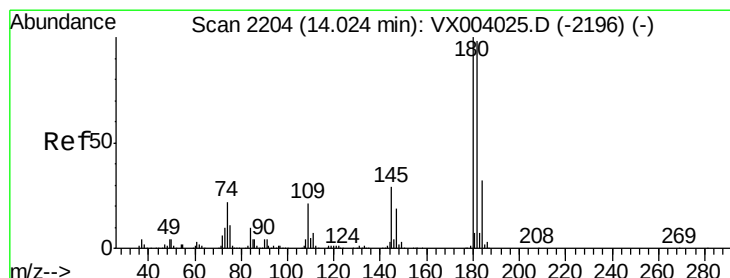
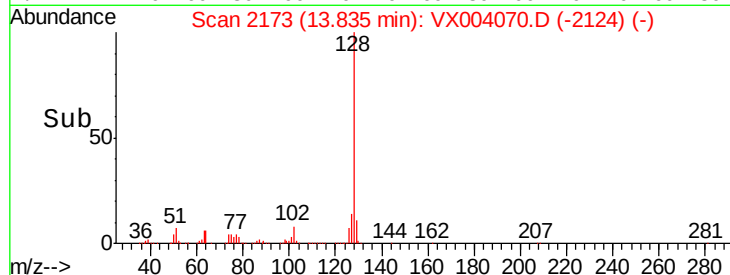
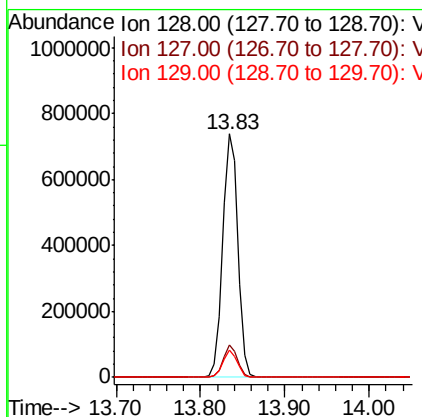
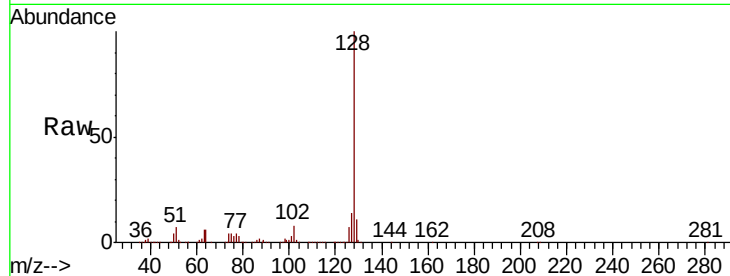
#95
Naphthalene
Concen: 49.49 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.76 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004070.D
Acq: 15 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.4
145	30.3	14.9	44.7

