

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006508.D
 Acq On : 13 Dec 2018 21:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:35:09 AM

Quant Time: Dec 14 01:21:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	532195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	836498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	777667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	403535	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	282388	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	5.50	113	267854	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	8.71	98	985800	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	377673	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	259942	49.884	ug/l	100
3) Chloromethane	1.32	50	277399	51.803	ug/l	99
4) Vinyl Chloride	1.41	62	296030	51.365	ug/l	99
5) Bromomethane	1.64	94	275391	68.949	ug/l	99
6) Chloroethane	1.71	64	186561	52.795	ug/l	96
7) Trichlorofluoromethane	1.92	101	462406	52.268	ug/l	99
8) Diethyl Ether	2.19	74	179289	53.548	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	270609	53.794	ug/l	97
10) Methyl Iodide	2.51	142	440229	58.070	ug/l	98
11) Tert butyl alcohol	3.08	59	351861	236.822	ug/l	99
12) 1,1-Dichloroethene	2.37	96	253506	52.642	ug/l	93
13) Acrolein	2.30	56	202572	249.453	ug/l	98
14) Allyl chloride	2.73	41	428028	44.995	ug/l	99
15) Acrylonitrile	3.15	53	778741	251.172	ug/l	99
16) Acetone	2.45	43	631939	247.858	ug/l	98
17) Carbon Disulfide	2.57	76	653262	44.023	ug/l	100
18) Methyl Acetate	2.78	43	453826	53.226	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	883427	51.424	ug/l	100
20) Methylene Chloride	2.85	84	288344	53.139	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	272716	53.142	ug/l	92
22) Diisopropyl ether	3.87	45	801296	53.928	ug/l	98
23) Vinyl Acetate	3.82	43	3218559	253.968	ug/l	99
24) 1,1-Dichloroethane	3.70	63	461899	54.387	ug/l	99
25) 2-Butanone	4.70	43	957753	263.269	ug/l	99
26) 2,2-Dichloropropane	4.58	77	349667	44.612	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	315397	55.098	ug/l	97
28) Bromochloromethane	5.02	49	183334	49.422	ug/l	100
29) Tetrahydrofuran	5.15	42	649121	256.737	ug/l	97
30) Chloroform	5.21	83	489040	54.795	ug/l	98
31) Cyclohexane	5.57	56	419575	53.458	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	440678	51.895	ug/l	99
36) 1,1-Dichloropropene	5.80	75	363976	51.671	ug/l	99
37) Ethyl Acetate	4.86	43	376764	47.761	ug/l	98
38) Carbon Tetrachloride	5.78	117	382887	46.204	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121318\
 Data File : VX006508.D
 Acq On : 13 Dec 2018 21:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:35:09 AM

Quant Time: Dec 14 01:21:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	475750	52.031	ug/l	98
40) Benzene	6.14	78	1124005	53.276	ug/l	98
41) Methacrylonitrile	5.06	41	207639	47.835	ug/l	97
42) 1,2-Dichloroethane	6.20	62	372562	53.956	ug/l	100
43) Isopropyl Acetate	6.46	43	621711	47.269	ug/l	99
44) Trichloroethene	7.21	130	331680	51.894	ug/l	96
45) 1,2-Dichloropropane	7.52	63	271355	50.606	ug/l	99
46) Dibromomethane	7.66	93	200771	51.844	ug/l	95
47) Bromodichloromethane	7.90	83	353629	47.154	ug/l	98
48) Methyl methacrylate	7.77	41	311949	48.753	ug/l	96
49) 1,4-Dioxane	7.75	88	160108	1015.261	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1886329	246.365	ug/l	98
52) Toluene	8.79	92	748460	53.923	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	399727	45.576	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	434639	47.724	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	305354	54.151	ug/l	98
56) Ethyl methacrylate	9.18	69	453435	51.436	ug/l	97
57) 1,3-Dichloropropane	9.37	76	480502	53.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1043048	233.166	ug/l	99
59) 2-Hexanone	9.49	43	1420869	242.896	ug/l	98
60) Dibromochloromethane	9.58	129	320346	46.071	ug/l	99
61) 1,2-Dibromoethane	9.67	107	331114	52.515	ug/l	100
64) Tetrachloroethene	9.34	164	301794	51.531	ug/l	99
65) Chlorobenzene	10.14	112	875951	53.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	309675	48.281	ug/l	100
67) Ethyl Benzene	10.25	91	1438300	52.385	ug/l	99
68) m/p-Xylenes	10.36	106	1155435	105.057	ug/l	100
69) o-Xylene	10.70	106	566704	52.165	ug/l	99
70) Styrene	10.71	104	918917	52.299	ug/l	99
71) Bromoform	10.86	173	241441	39.877	ug/l	99
73) Isopropylbenzene	11.02	105	1500659	53.849	ug/l	100
74) N-amyl acetate	10.90	43	545461	45.454	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	446551	50.087	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	410959m	52.762	ug/l	
77) Bromobenzene	11.26	156	402075	51.990	ug/l	98
78) n-propylbenzene	11.36	91	1654847	53.421	ug/l	99
79) 2-Chlorotoluene	11.42	91	976888	53.058	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1232149	53.140	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	126917	38.239	ug/l	88
82) 4-Chlorotoluene	11.51	91	1131249	52.846	ug/l	100
83) tert-Butylbenzene	11.77	119	1290596	52.168	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1270969	53.085	ug/l	100
85) sec-Butylbenzene	11.94	105	1506655	53.533	ug/l	100
86) p-Isopropyltoluene	12.06	119	1353127	53.392	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	715350	51.983	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	724478	51.870	ug/l	100
89) n-Butylbenzene	12.39	91	1123029	51.935	ug/l	99
90) Hexachloroethane	12.60	117	222430	43.063	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	711985	52.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	95416	41.750	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
Data File : VX006508.D
Acq On : 13 Dec 2018 21:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

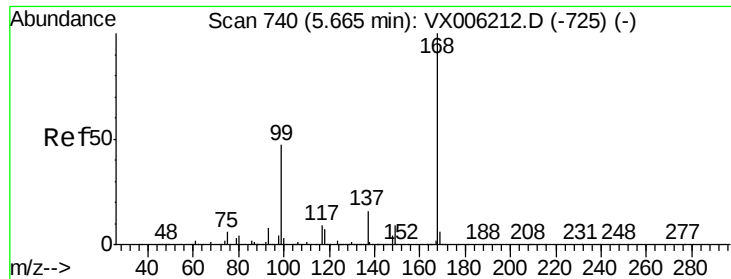
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM

Quant Time: Dec 14 01:21:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	503261	50.508	ug/l	99
94) Hexachlorobutadiene	13.78	225	225002	51.062	ug/l	99
95) Naphthalene	13.83	128	1609025	51.914	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	509919	51.669	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 532195

Ion Ratio Lower Upper

168 100

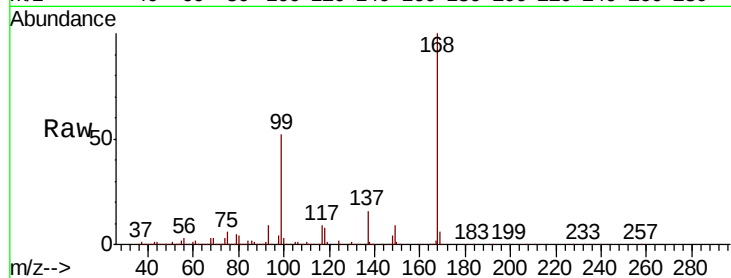
99 52.1 37.8 56.8

Manual Integrations

APPROVED

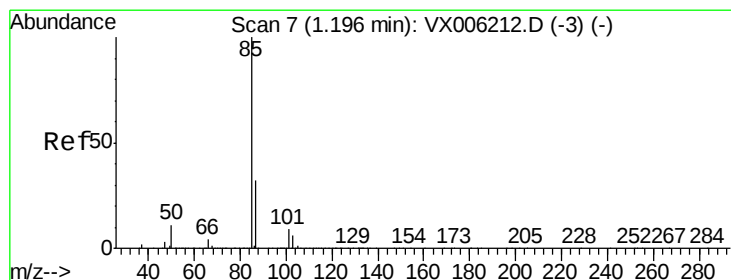
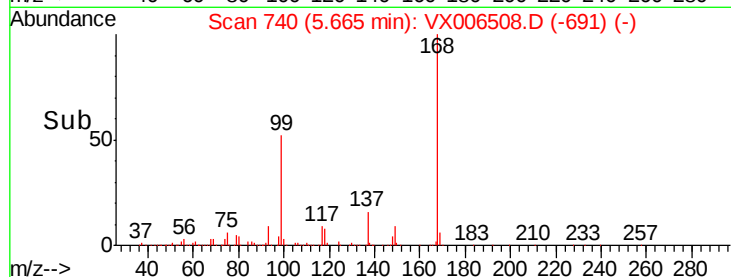
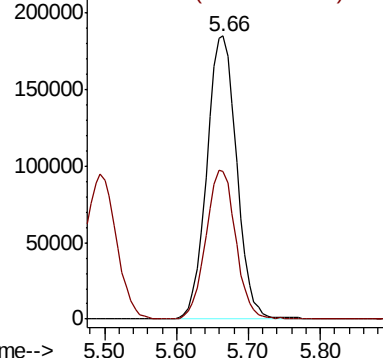
MMDadoda

12/14/2018 9:35:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.884 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006508.D

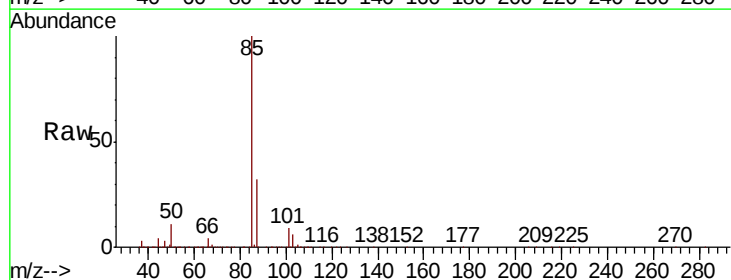
Acq: 13 Dec 2018 21:04

Tgt Ion: 85 Resp: 259942

Ion Ratio Lower Upper

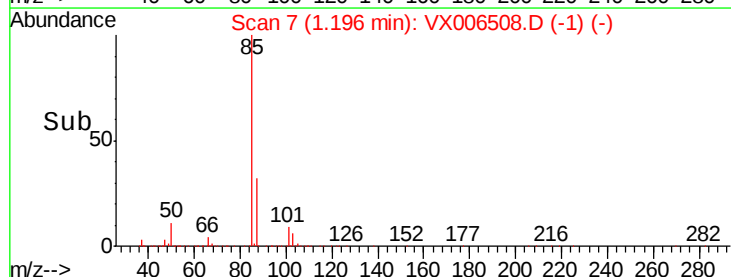
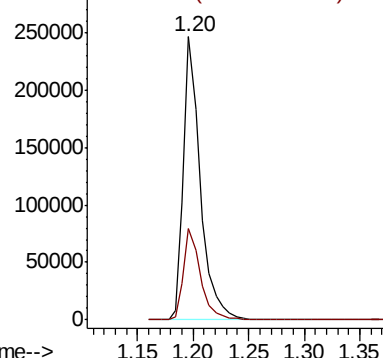
85 100

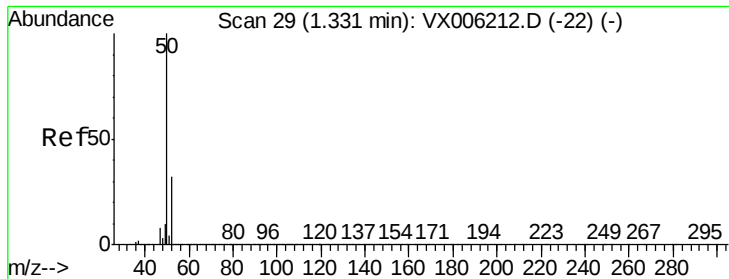
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.803 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 277399

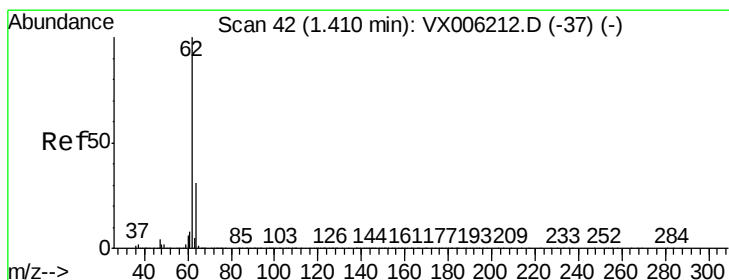
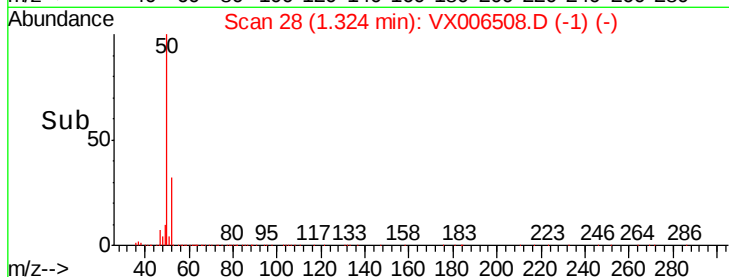
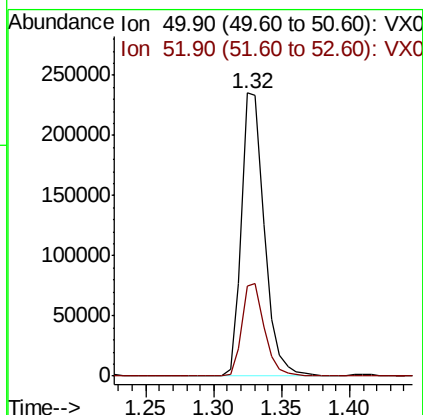
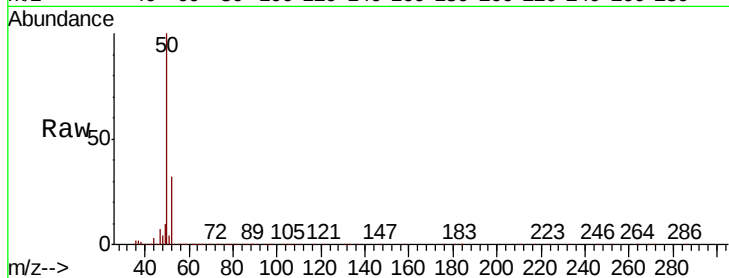
Ion Ratio Lower Upper

50 100

52 31.9 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#4

Vinyl Chloride

Concen: 51.365 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006508.D

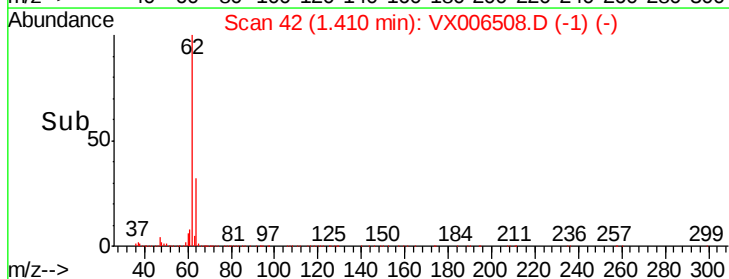
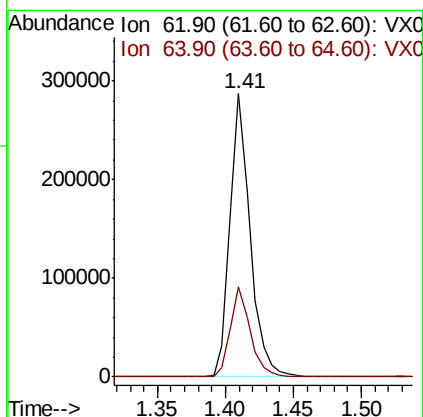
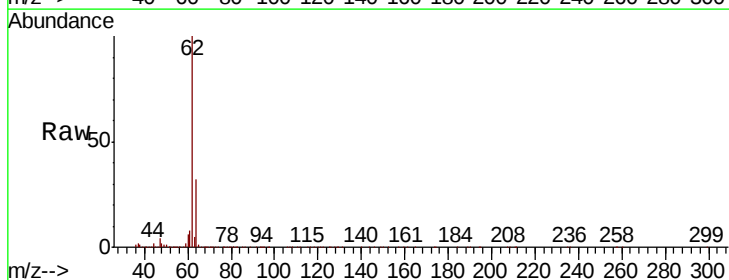
Acq: 13 Dec 2018 21:04

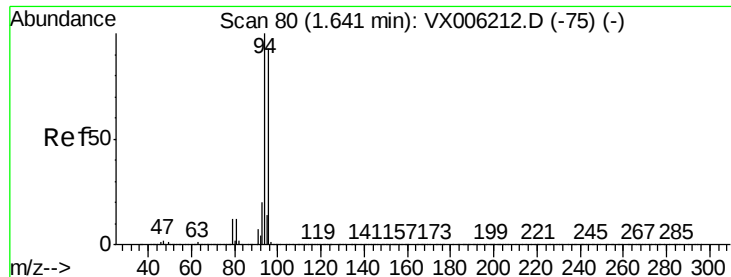
Tgt Ion: 62 Resp: 296030

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3





#5

Bromomethane

Concen: 68.949 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 275391

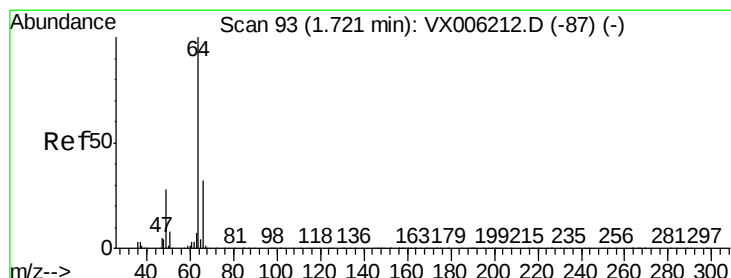
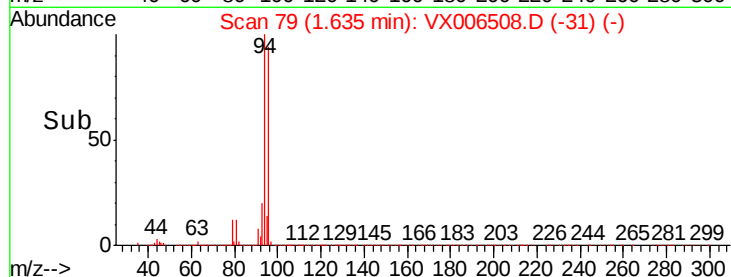
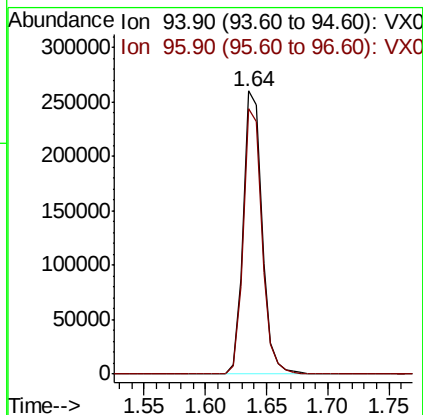
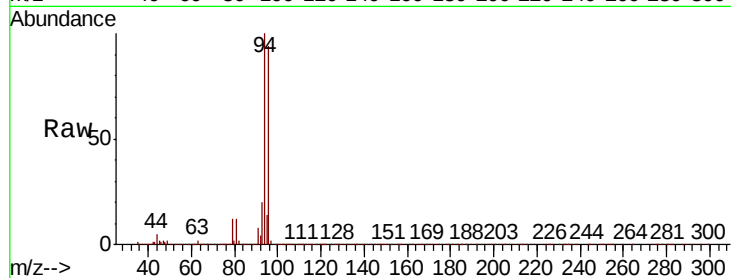
Ion Ratio Lower Upper

94 100

96 93.8 74.5 111.7

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#6

Chloroethane

Concen: 52.795 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006508.D

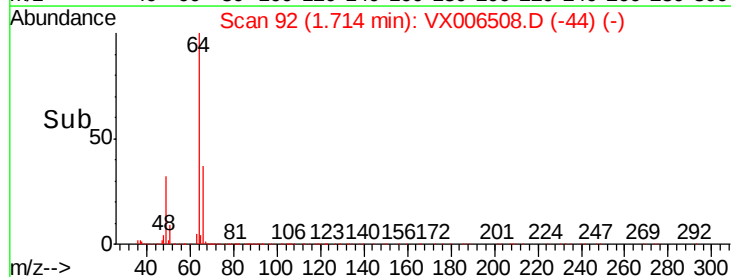
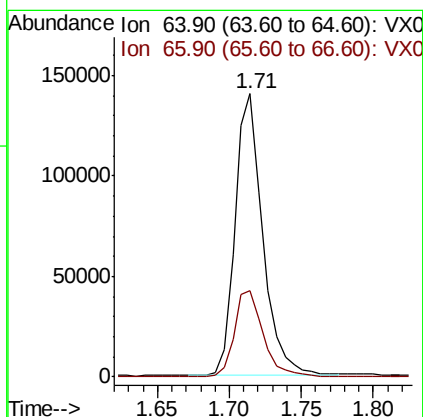
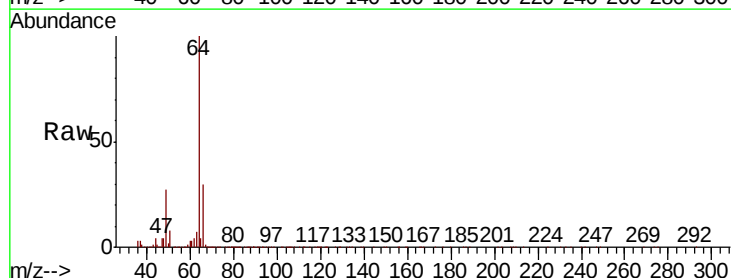
Acq: 13 Dec 2018 21:04

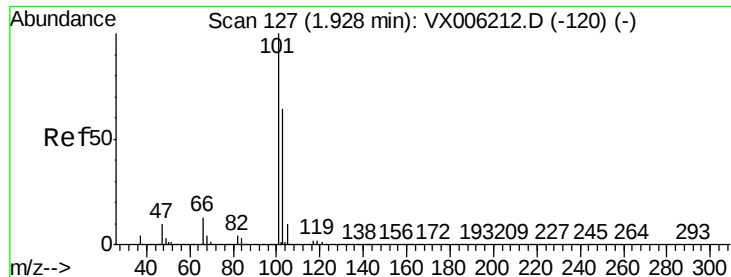
Tgt Ion: 64 Resp: 186561

Ion Ratio Lower Upper

64 100

66 30.4 25.9 38.9





#7

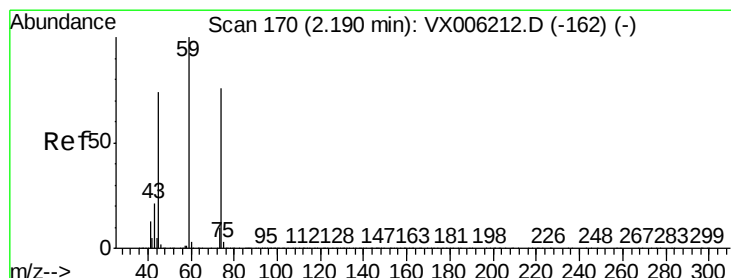
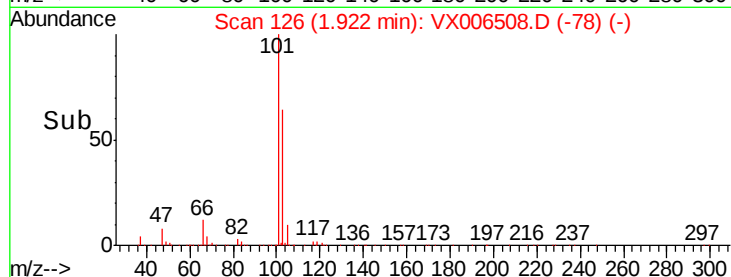
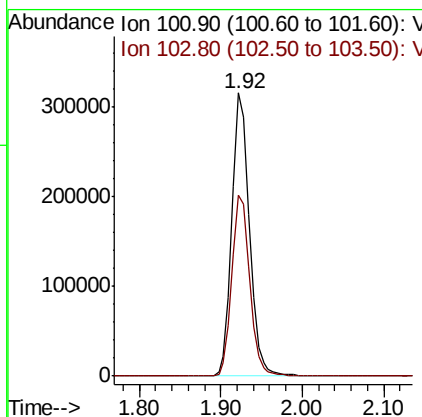
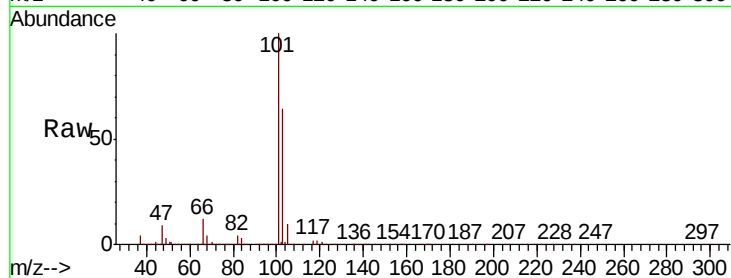
Trichlorofluoromethane
Concen: 52.268 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.4

Manual Integrations
APPROVED

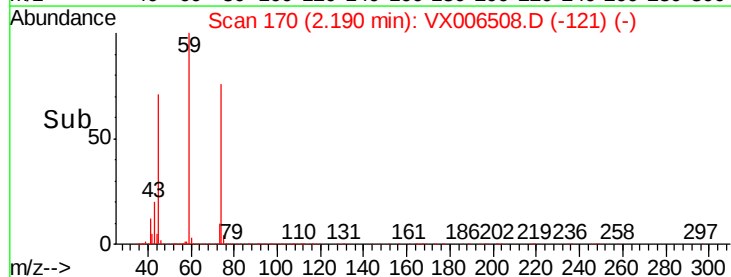
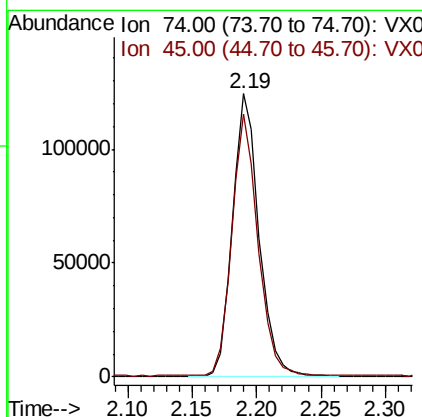
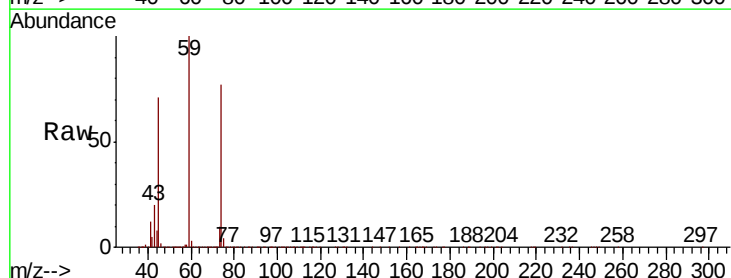
MMDadoda
12/14/2018 9:35:09 AM

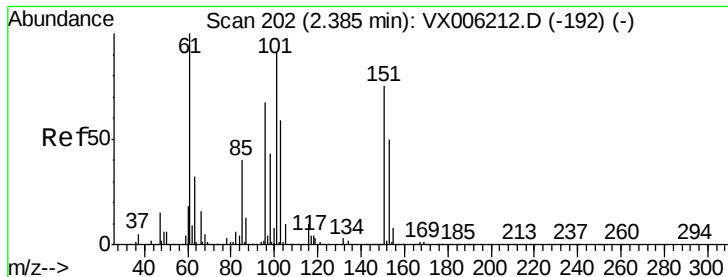


#8

Diethyl Ether
Concen: 53.548 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.794 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

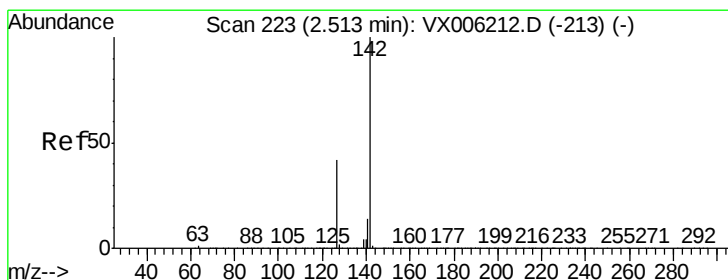
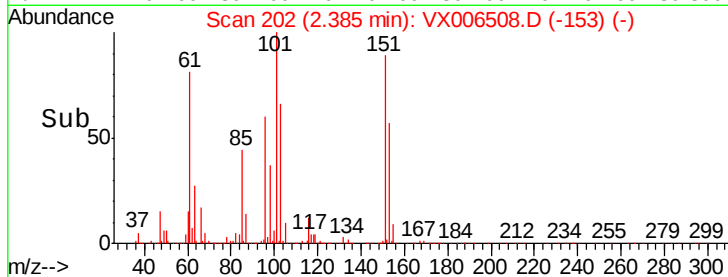
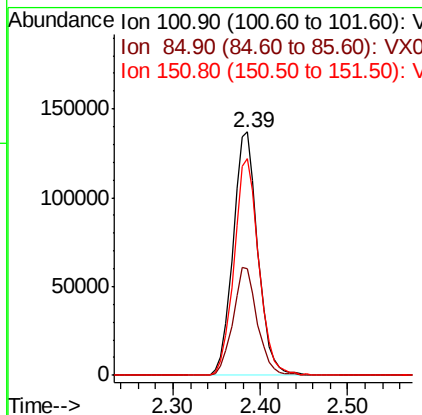
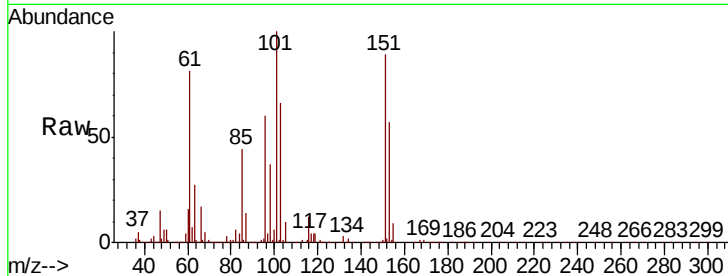
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	270609
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.5	53.3
151	88.8	68.6	103.0

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#10

Methyl Iodide

Concen: 58.070 ug/l

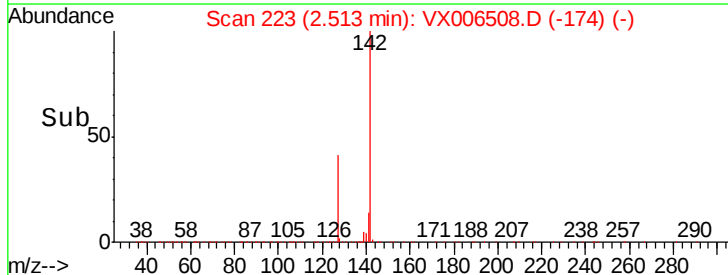
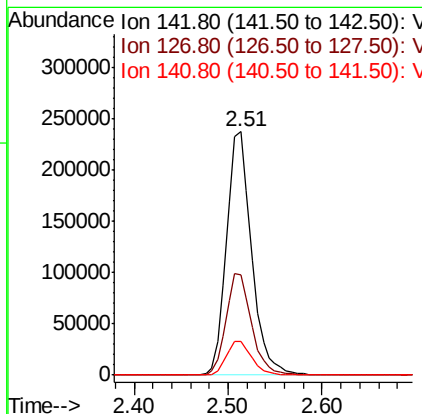
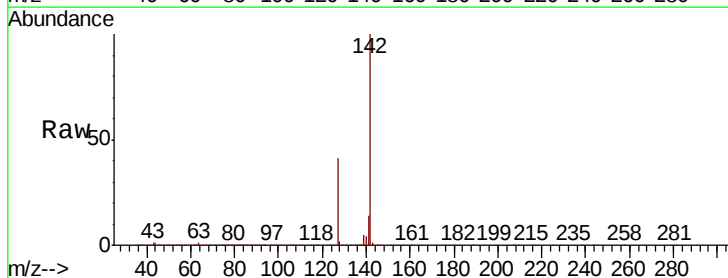
RT: 2.51 min Scan# 223

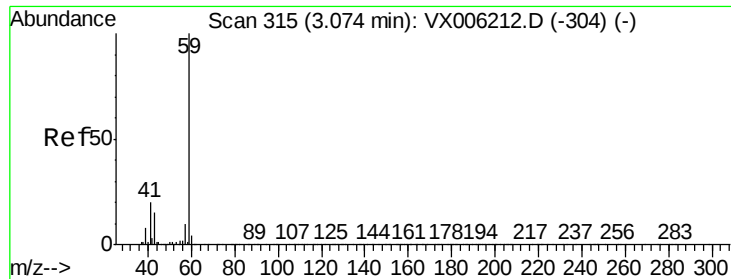
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	142	Resp:	440229
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.8	52.2
141	14.1	11.4	17.2





#11

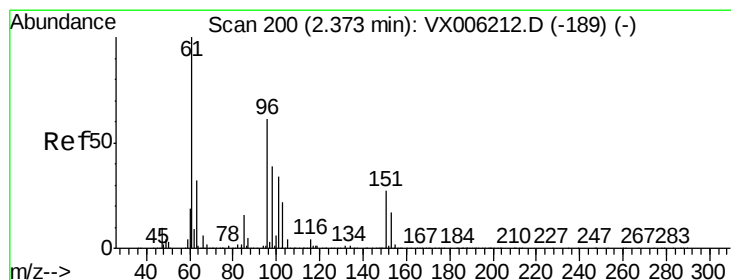
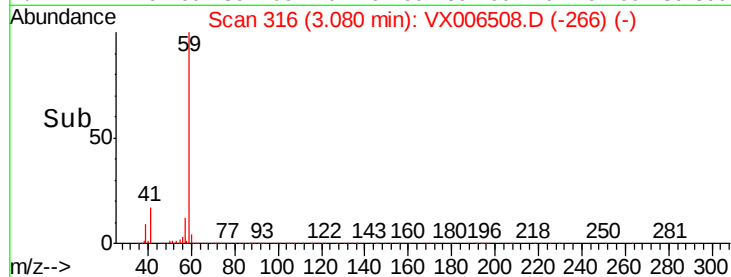
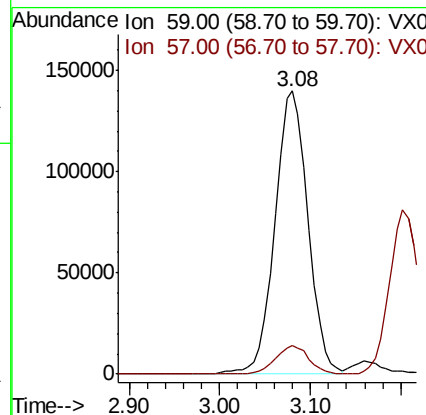
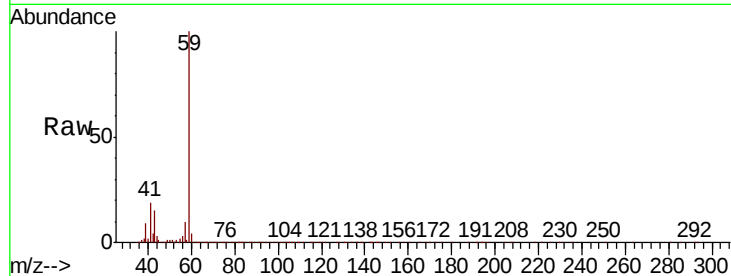
Tert butyl alcohol
Concen: 236.822 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

Manual Integrations
APPROVED

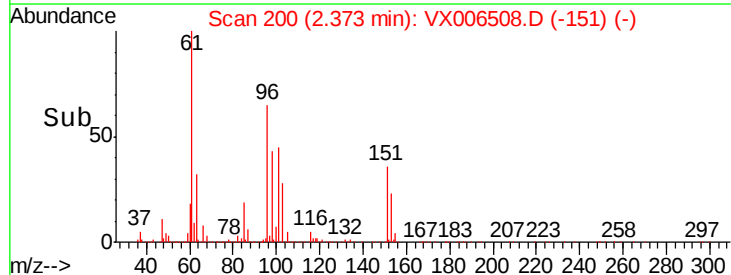
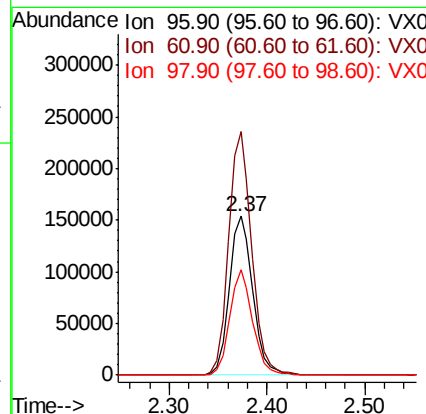
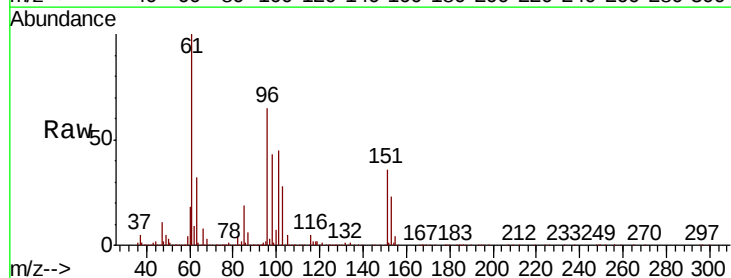
MMDadoda
12/14/2018 9:35:09 AM

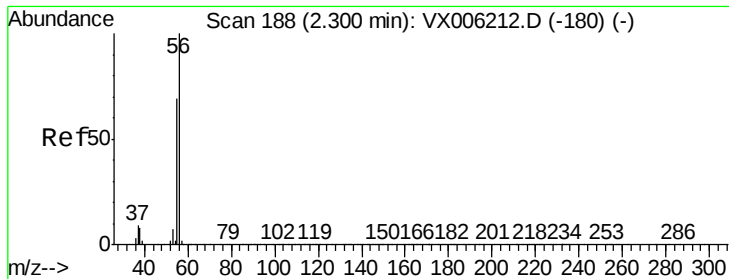


#12

1,1-Dichloroethene
Concen: 52.642 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	131.7	197.5
98	66.3	51.8	77.6





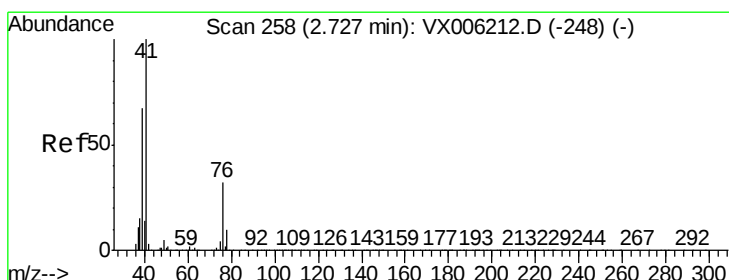
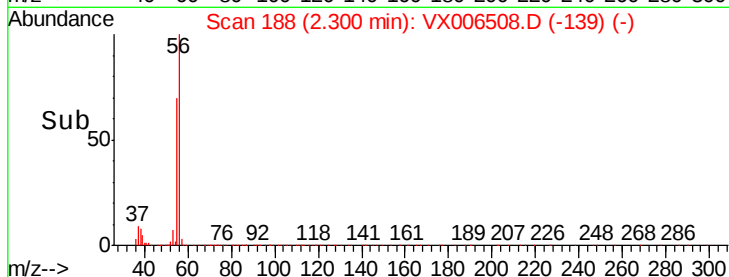
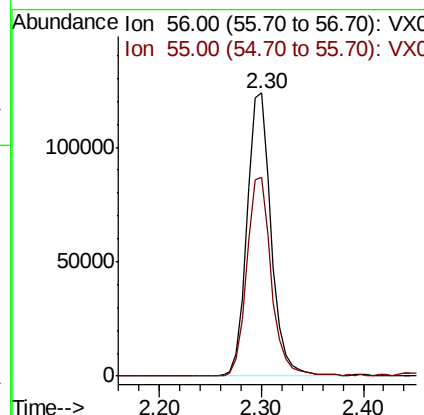
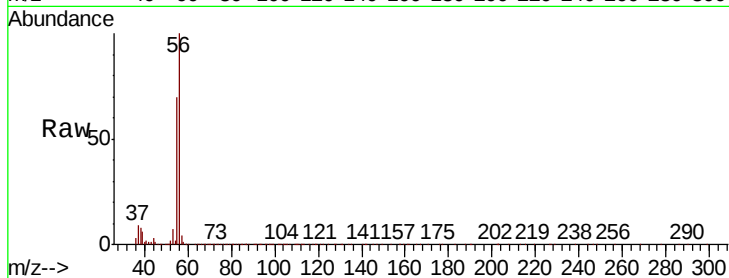
#13
Acrolein
Concen: 249.453 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.8	86.6

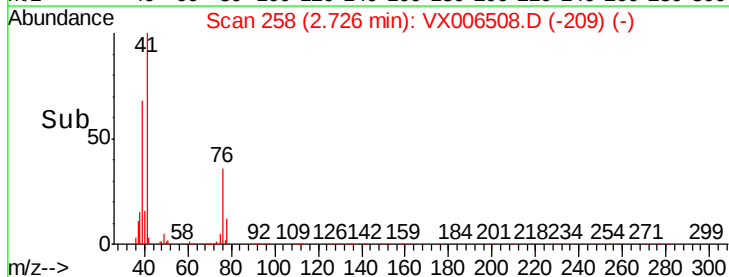
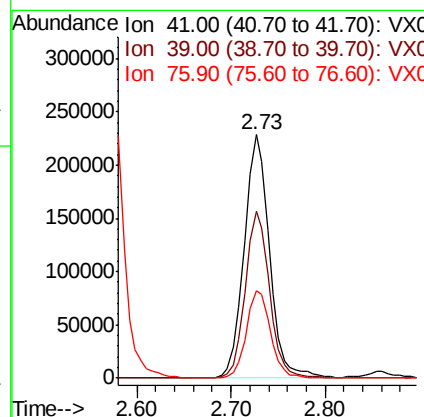
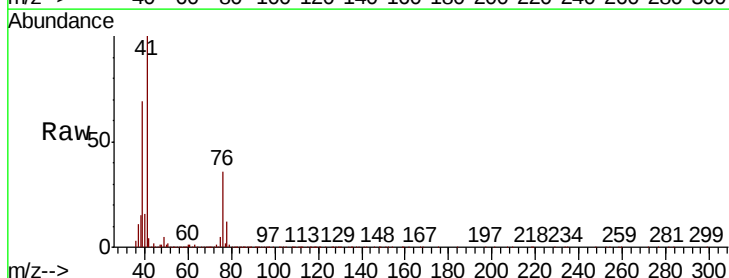
Manual Integrations
APPROVED

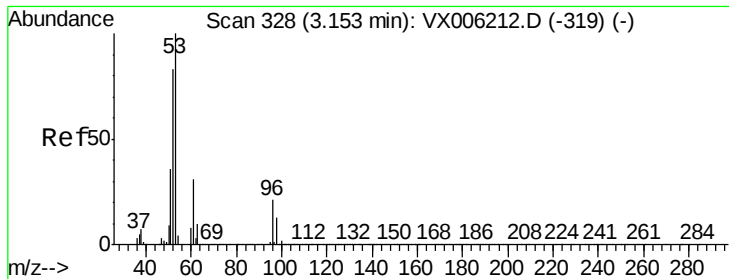
MMDadoda
12/14/2018 9:35:09 AM



#14
Allyl chloride
Concen: 44.995 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.4	52.4	78.6
76	34.0	25.4	38.0





#15

Acrylonitrile

Concen: 251.172 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

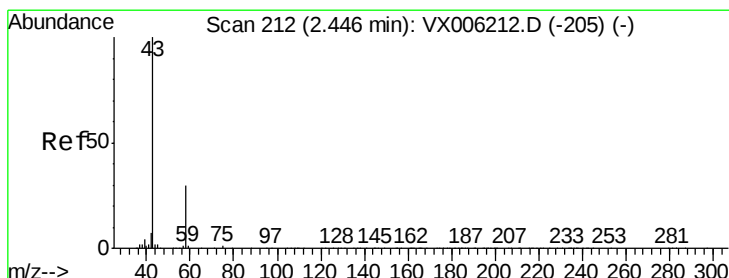
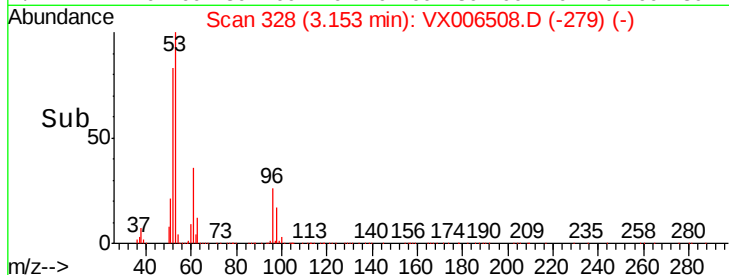
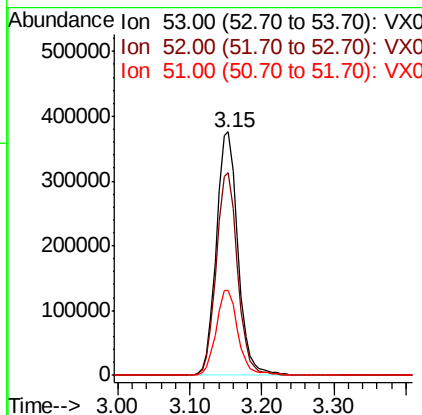
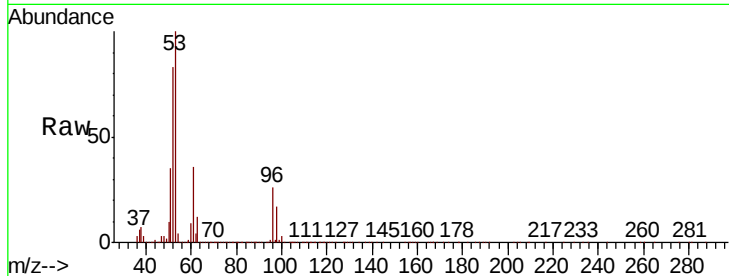
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	778741
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.4
51	35.5	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#16

Acetone

Concen: 247.858 ug/l

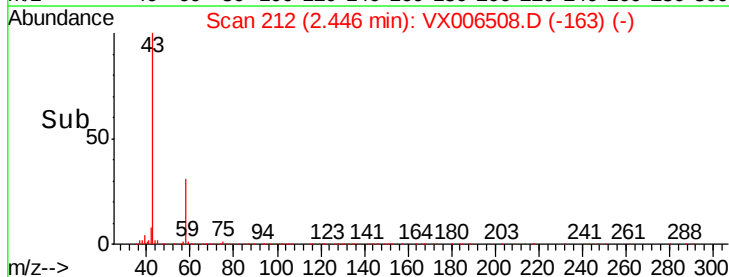
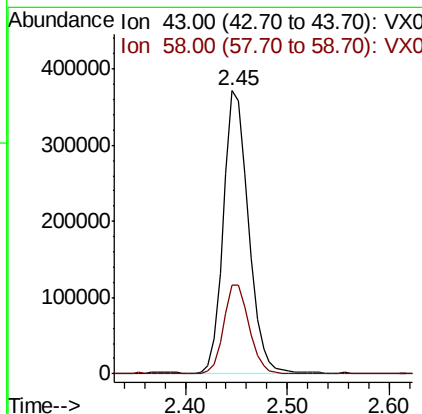
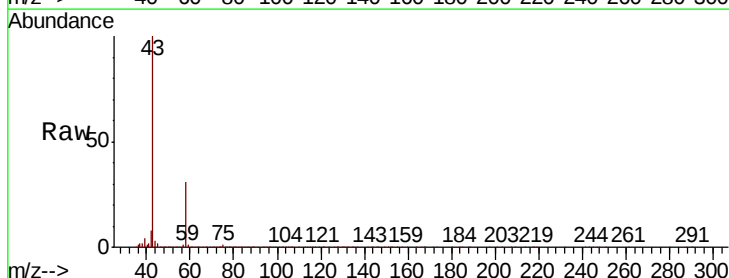
RT: 2.45 min Scan# 212

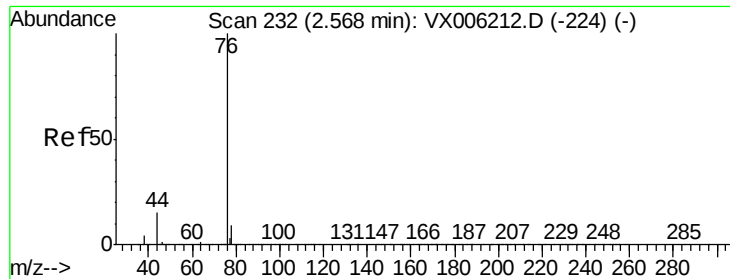
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	43	Resp:	631939
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.0	36.0





#17

Carbon Disulfide

Concen: 44.023 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 653262

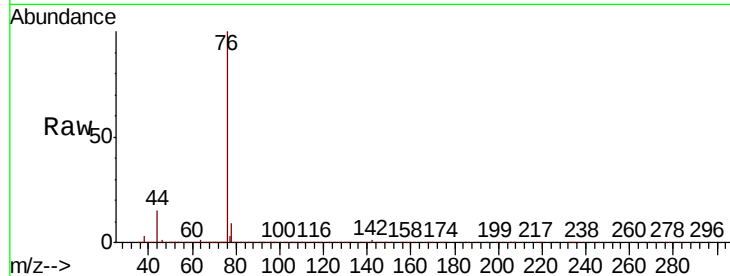
Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400000

300000

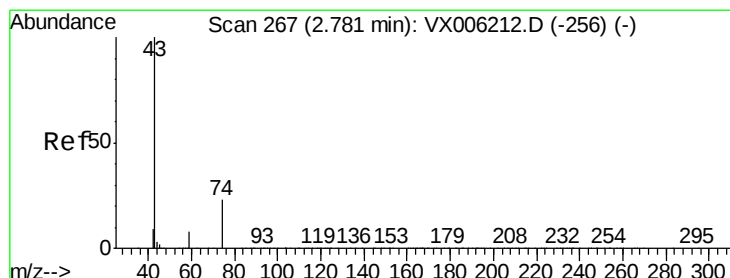
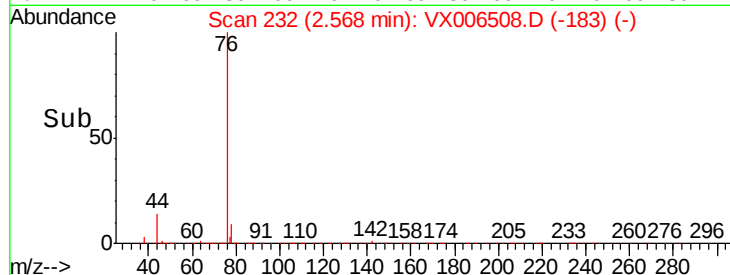
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 53.226 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX006508.D

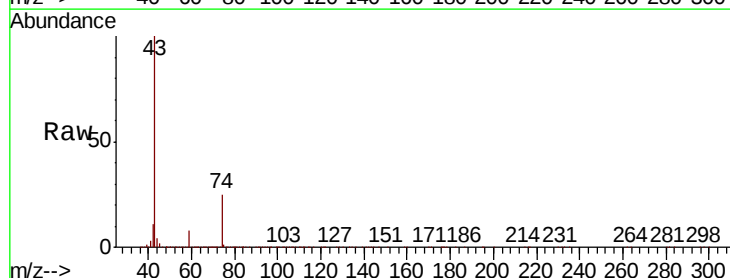
Acq: 13 Dec 2018 21:04

Tgt Ion: 43 Resp: 453826

Ion Ratio Lower Upper

43 100

74 24.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250000

200000

150000

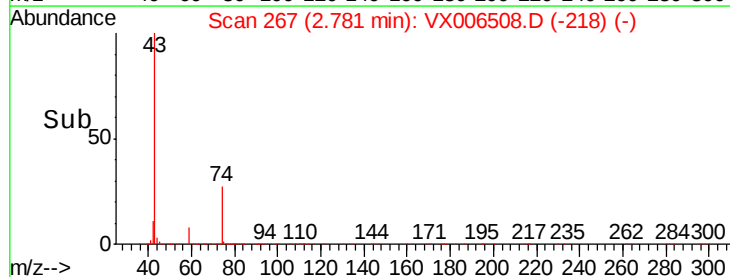
100000

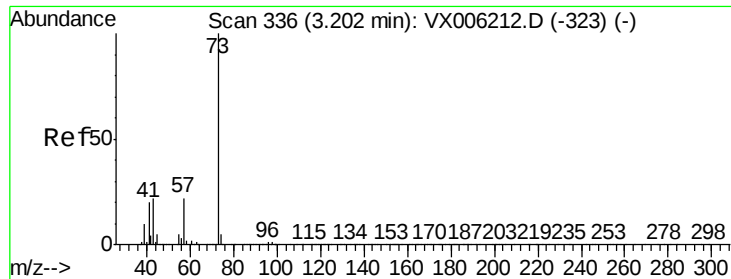
50000

0

2.70 2.80 2.90

Time-->





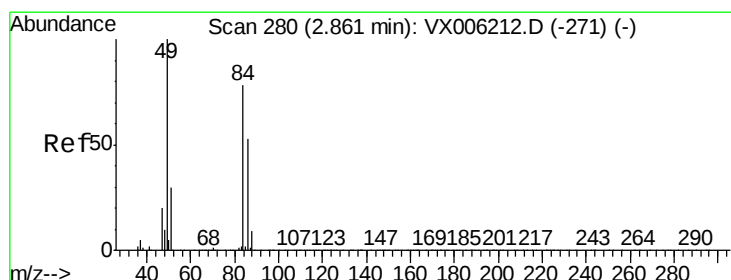
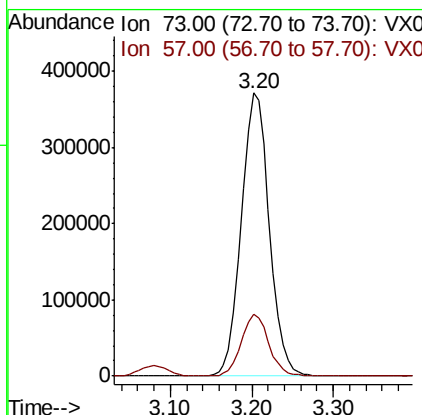
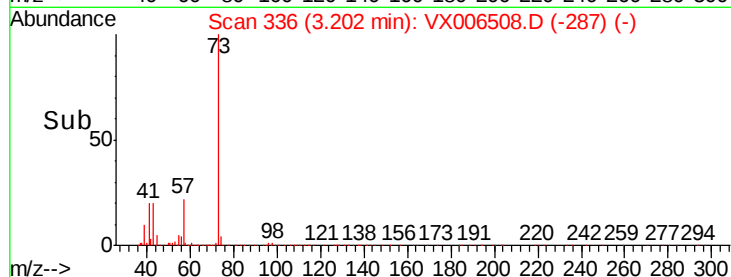
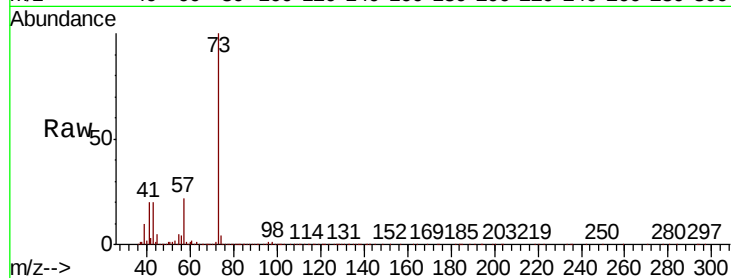
#19
Methvl tert-butvl Ether
Concen: 51.424 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3

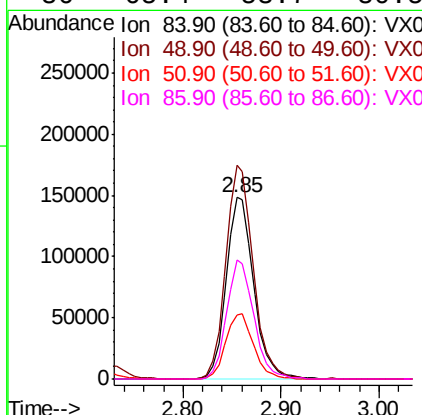
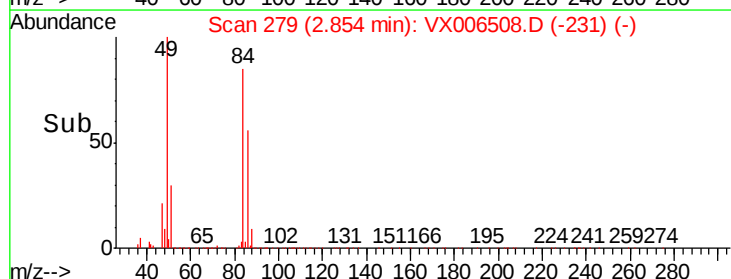
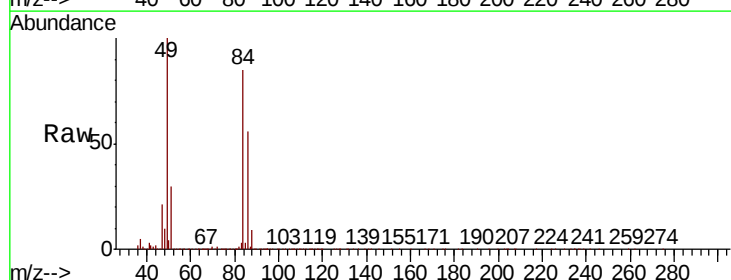
Manual Integrations
APPROVED

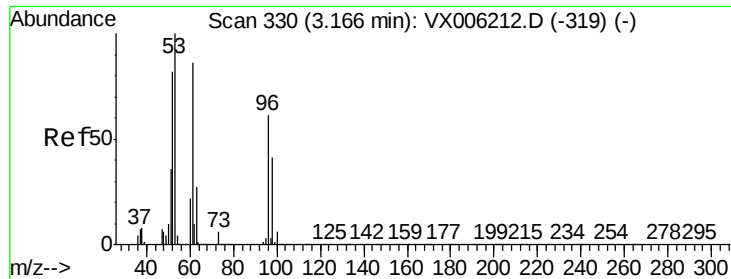
MMDadoda
12/14/2018 9:35:09 AM



#20
Methylene Chloride
Concen: 53.139 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.6	102.2	153.4
51	35.4	31.1	46.7
86	65.4	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 53.142 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

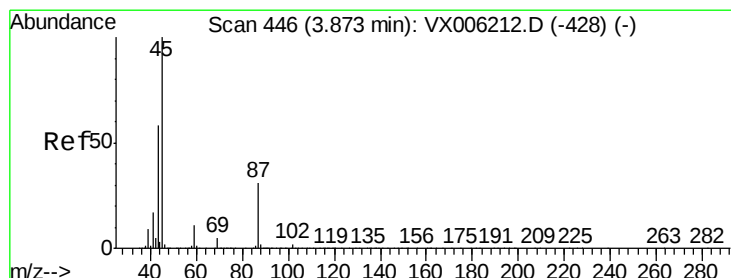
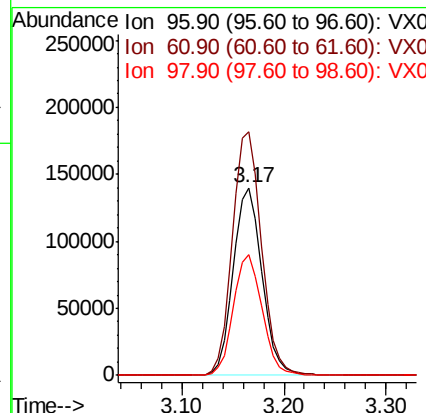
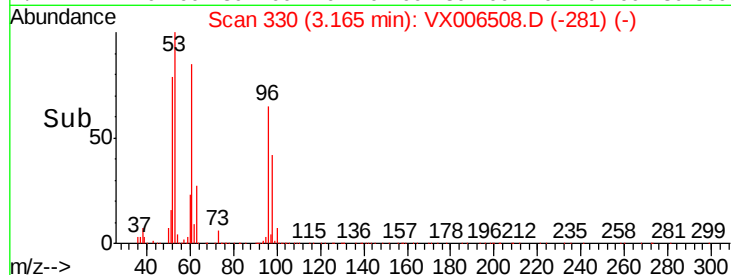
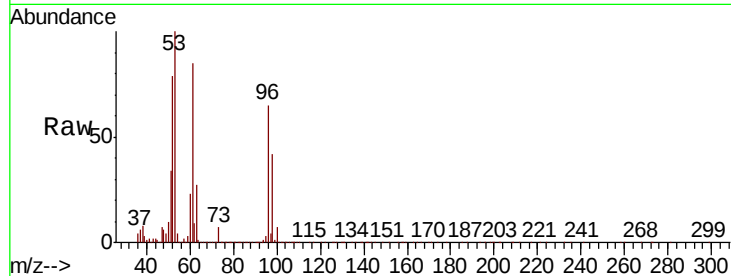
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	272716
Ion Ratio	Lower	Upper	
96	100		
61	129.5	113.3	169.9
98	64.3	53.2	79.8

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#22

Diisopropyl ether

Concen: 53.928 ug/l

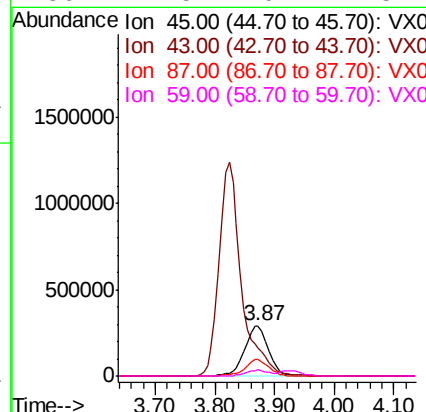
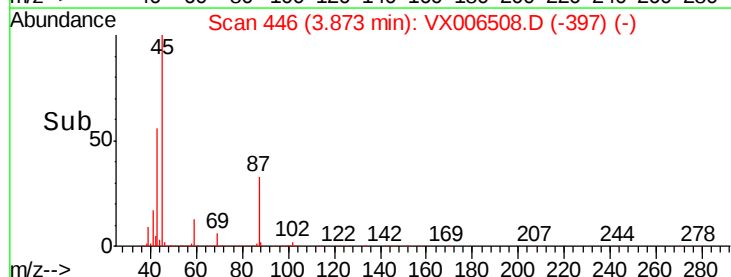
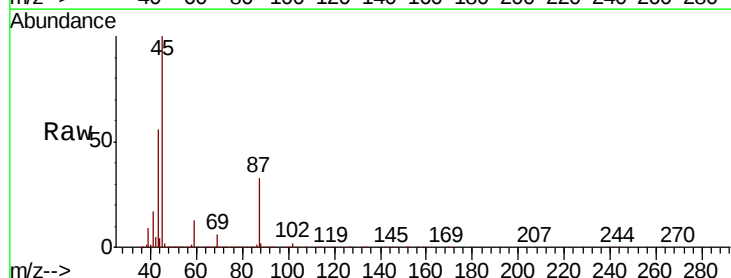
RT: 3.87 min Scan# 446

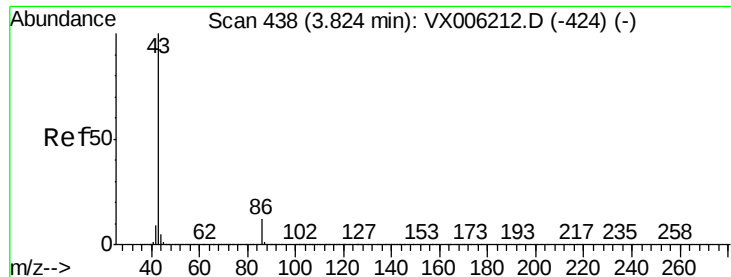
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	45	Resp:	801296
Ion Ratio	Lower	Upper	
45	100		
43	56.3	46.2	69.2
87	32.6	24.9	37.3
59	12.5	9.1	13.7





#23

Vinyl Acetate

Concen: 253.968 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3218559

Ion Ratio Lower Upper

43 100

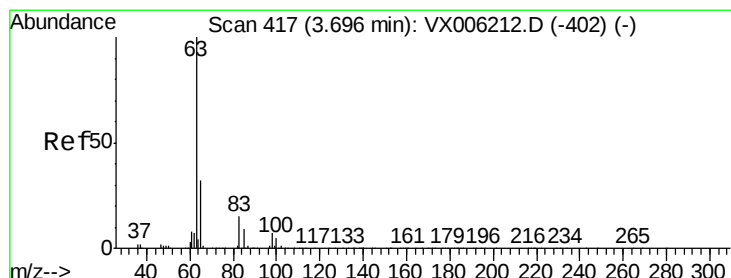
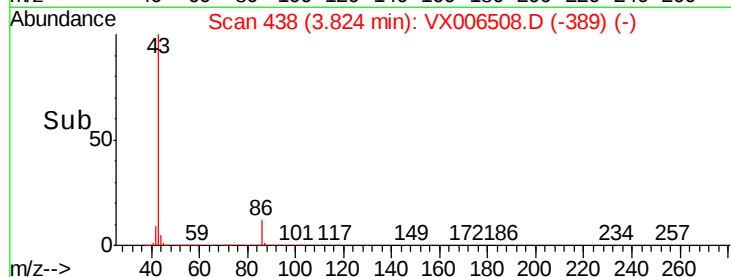
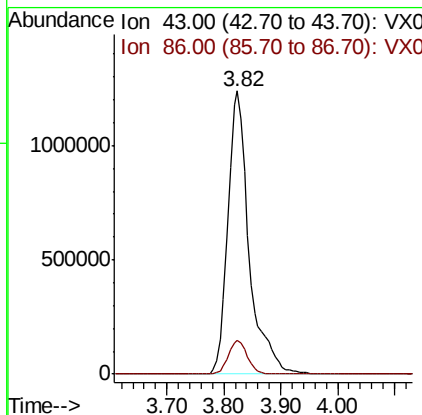
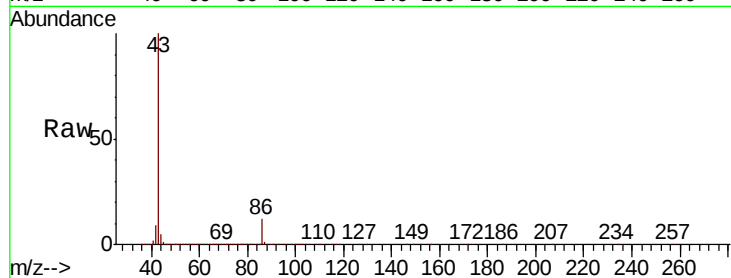
86 12.1 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:35:09 AM



#24

1,1-Dichloroethane

Concen: 54.387 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

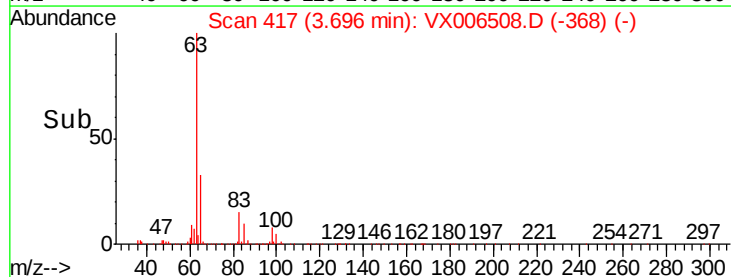
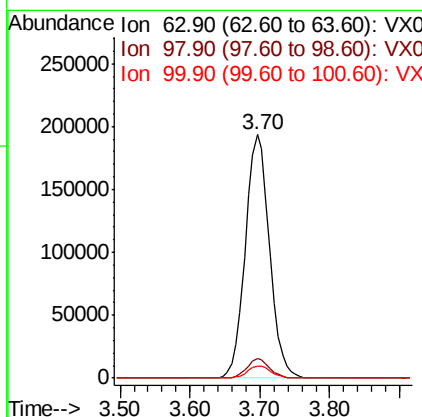
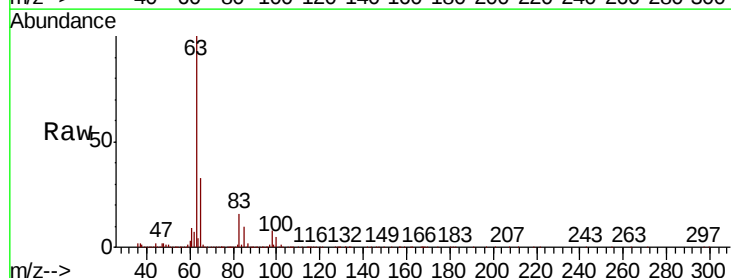
Tgt Ion: 63 Resp: 461899

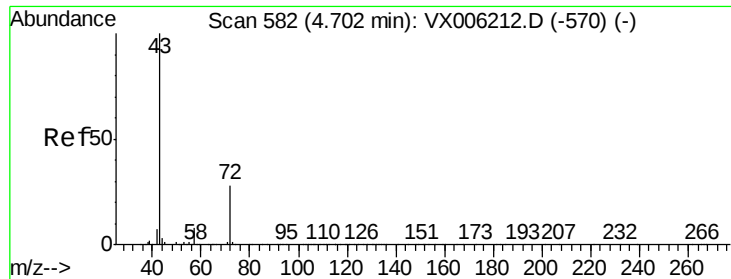
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.7 2.5 7.4





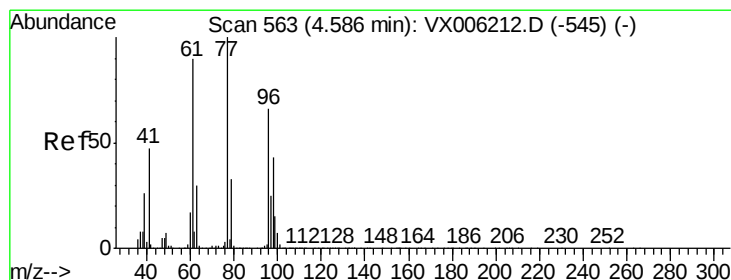
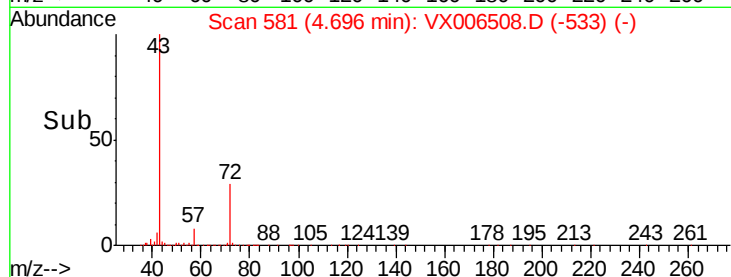
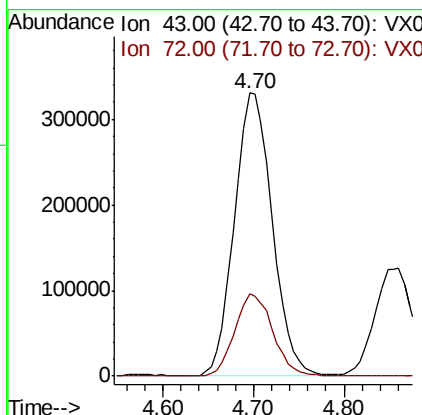
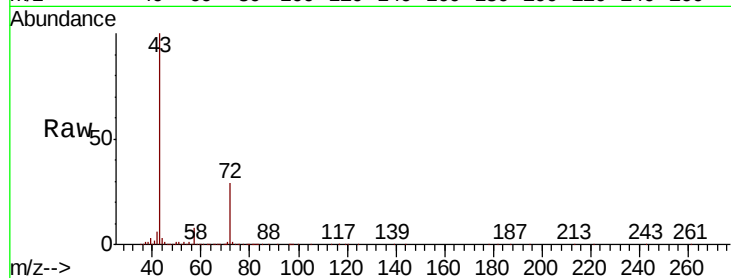
#25
2-Butanone
Concen: 263.269 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 957753
Ion Ratio Lower Upper
43 100
72 28.9 22.6 33.8

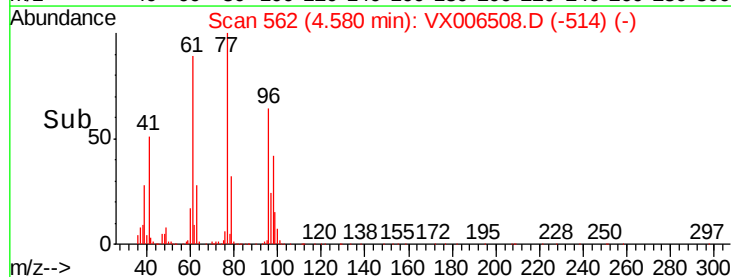
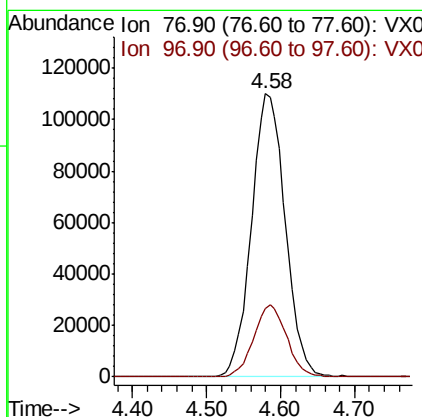
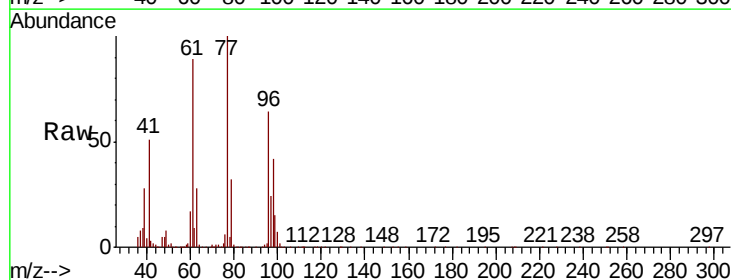
Manual Integrations
APPROVED

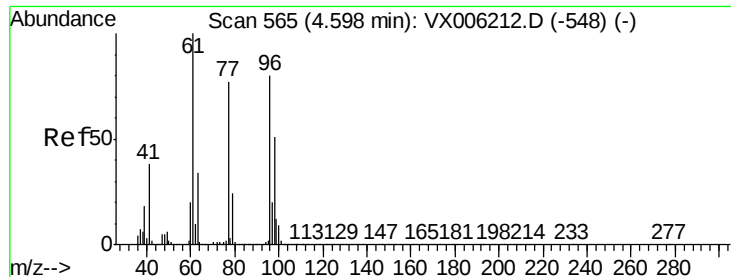
MMDadoda
12/14/2018 9:35:09 AM



#26
2,2-Dichloropropane
Concen: 44.612 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion: 77 Resp: 349667
Ion Ratio Lower Upper
77 100
97 24.9 12.3 36.8





#27

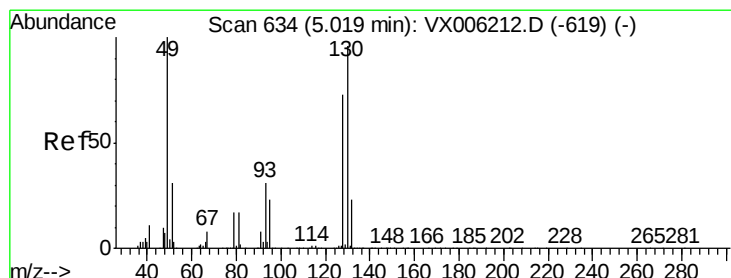
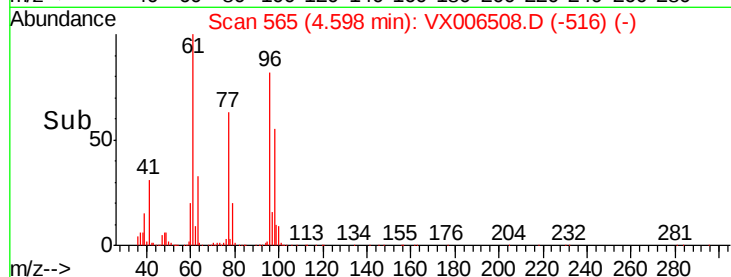
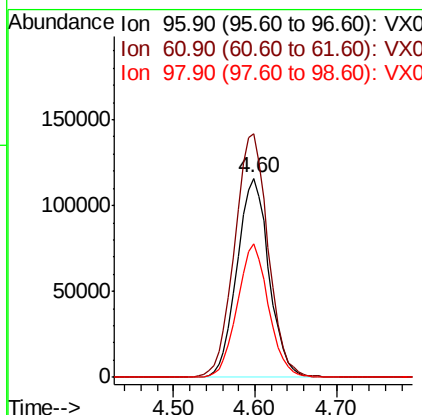
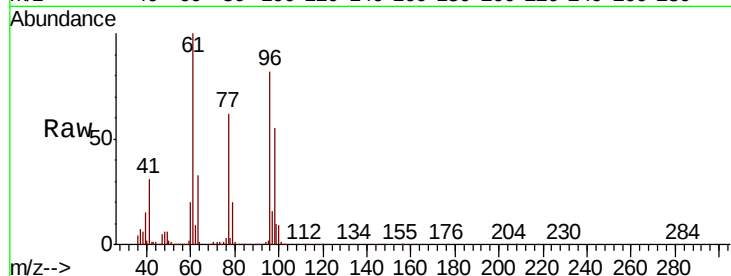
cis-1,2-Dichloroethene
Concen: 55.098 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	315397		
61	127.9	0.0	265.0	
98	65.9	0.0	130.2	

Manual Integrations
APPROVED

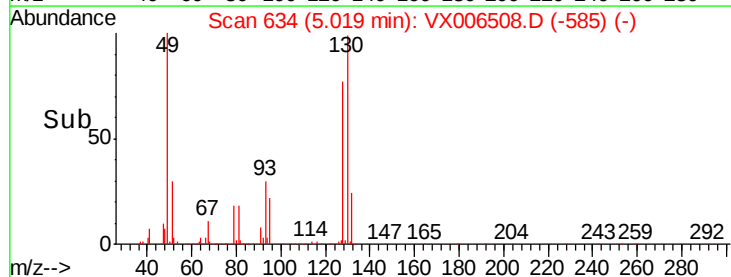
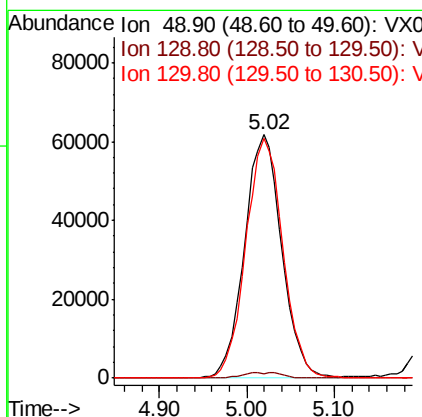
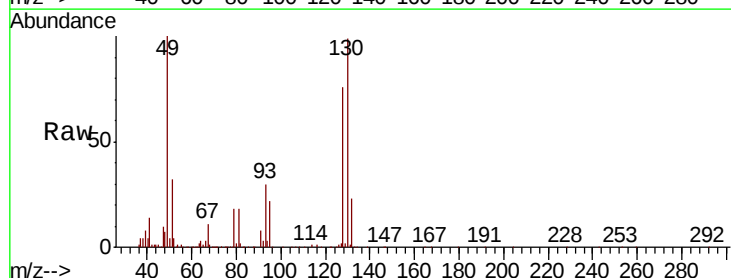
MMDadoda
12/14/2018 9:35:09 AM

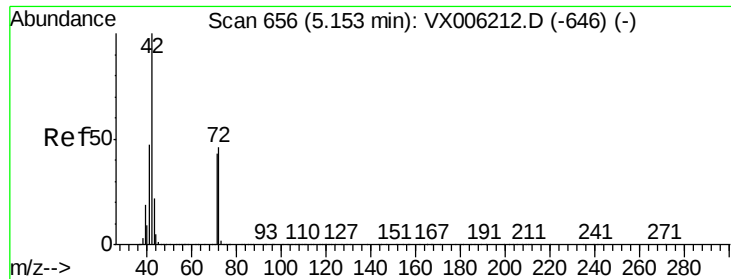


#28

Bromochloromethane
Concen: 49.422 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	183334		
129	1.4	0.0	5.0	
130	97.5	78.3	117.5	





#29

Tetrahydrofuran

Concen: 256.737 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

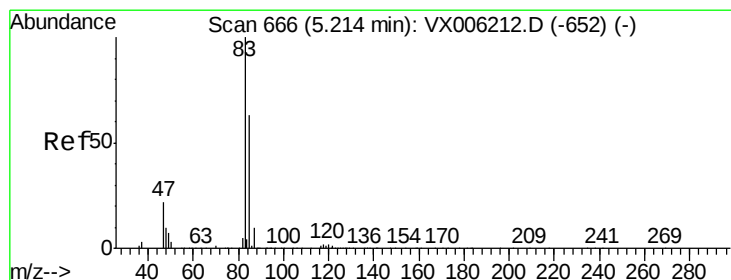
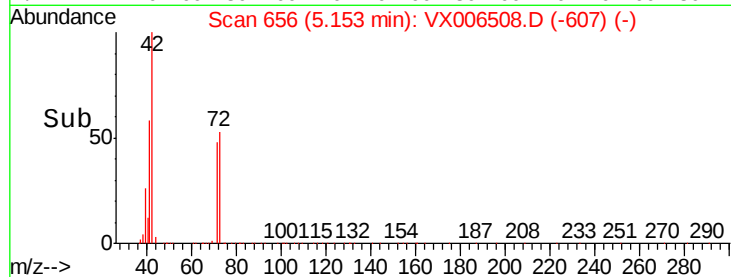
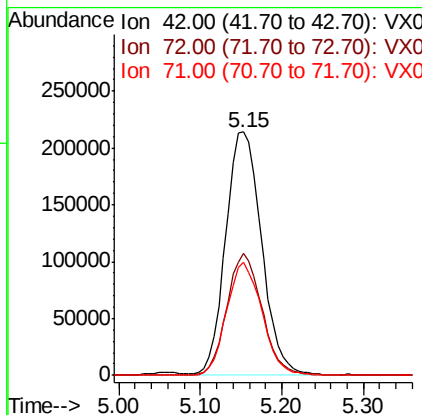
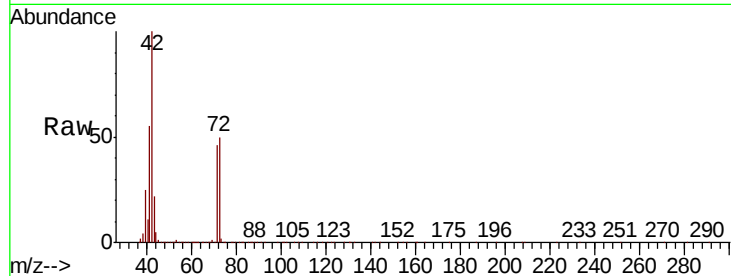
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	37.8	56.8
71	45.8	35.2	52.8

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#30

Chloroform

Concen: 54.795 ug/l

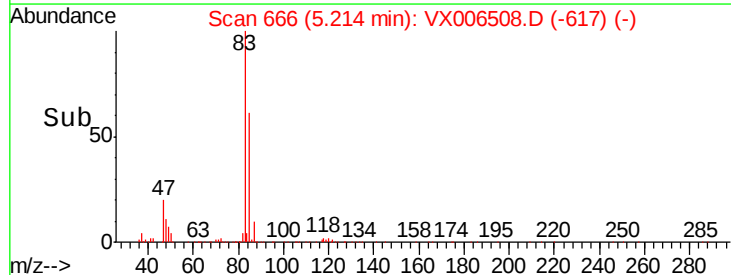
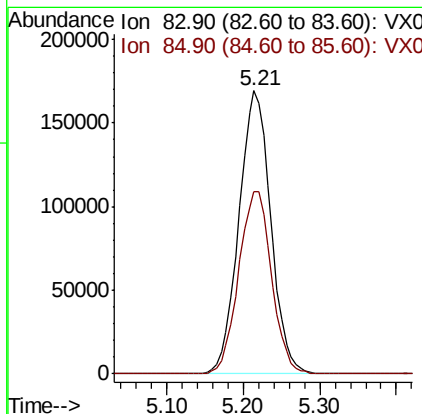
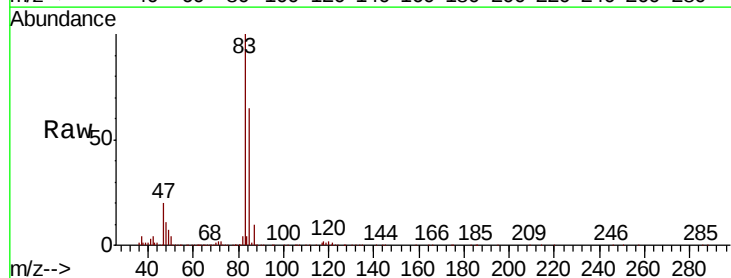
RT: 5.21 min Scan# 666

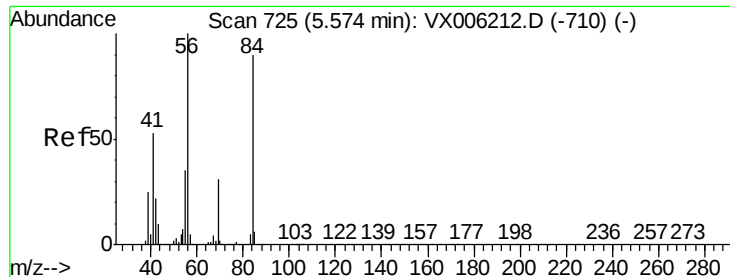
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5





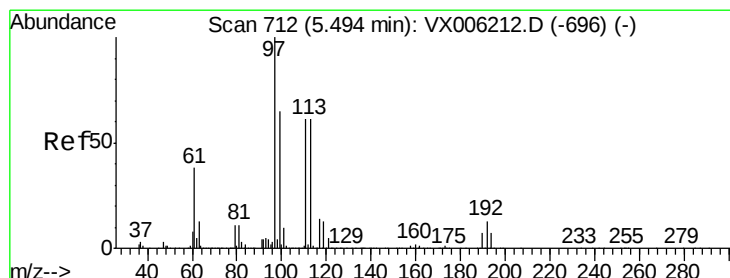
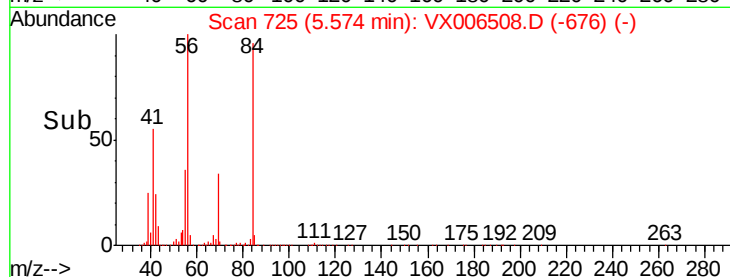
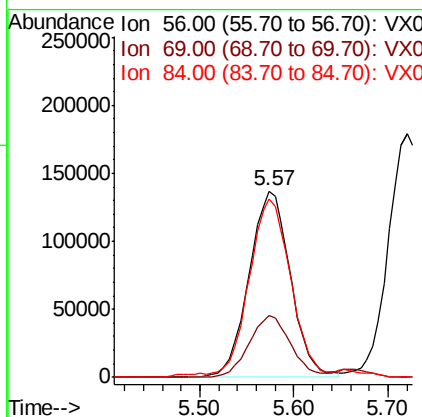
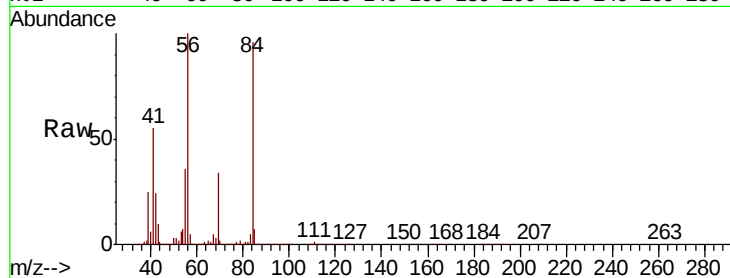
#31
Cyclohexane
Concen: 53.458 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.5	36.7
84	94.5	71.8	107.6

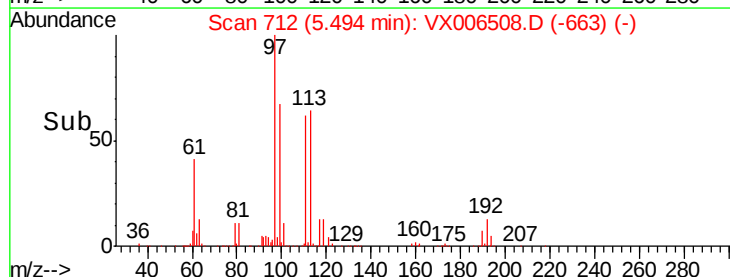
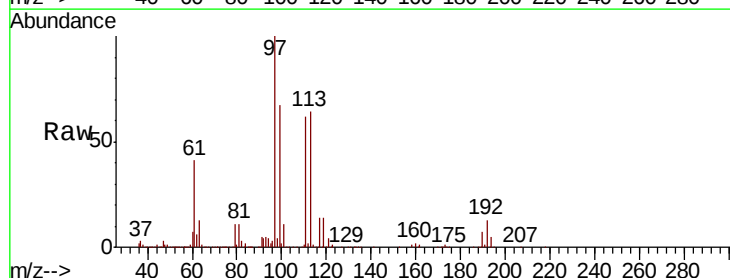
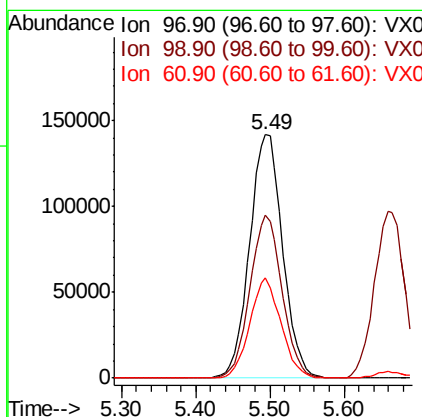
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#32
1,1,1-Trichloroethane
Concen: 51.895 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	39.1	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 51.978 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 282388

Ion Ratio Lower Upper

65 100

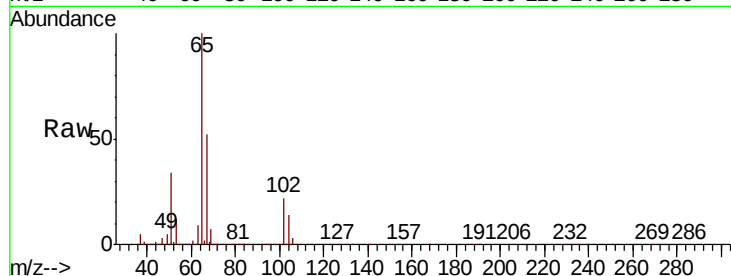
67 54.4 0.0 107.2

Manual Integrations

APPROVED

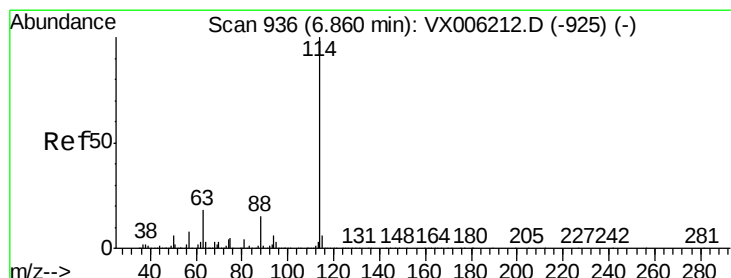
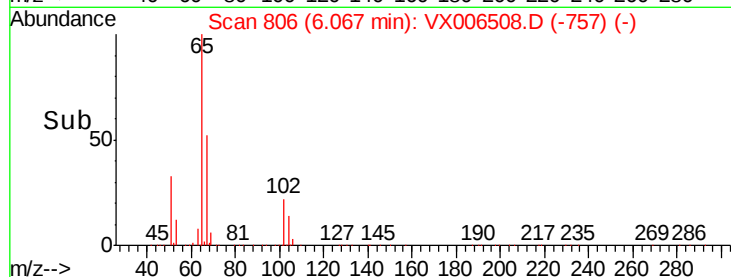
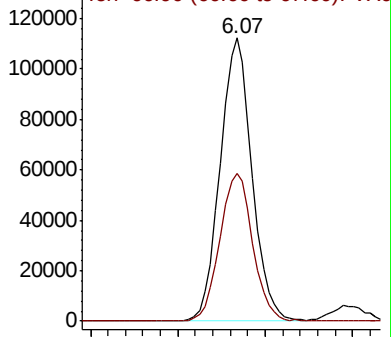
MMDadoda

12/14/2018 9:35:09 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

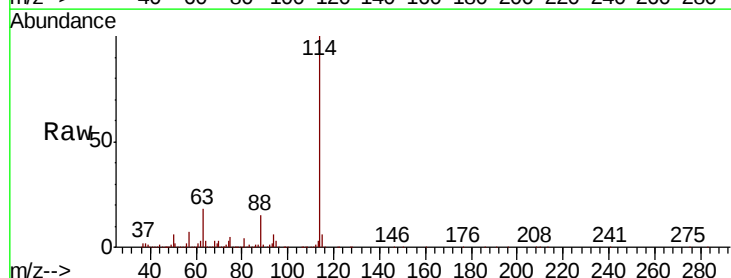
Tgt Ion: 114 Resp: 836498

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

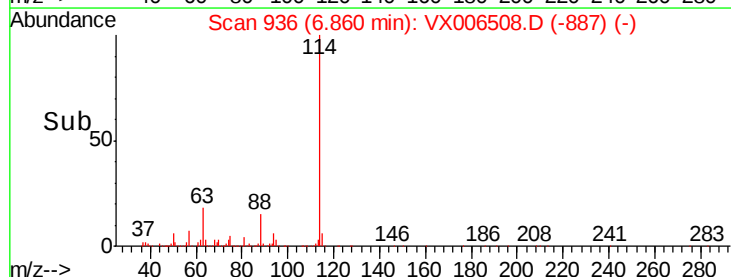
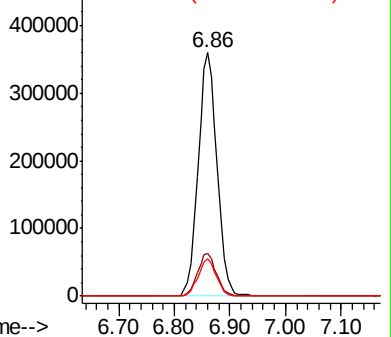
88 15.3 0.0 29.0

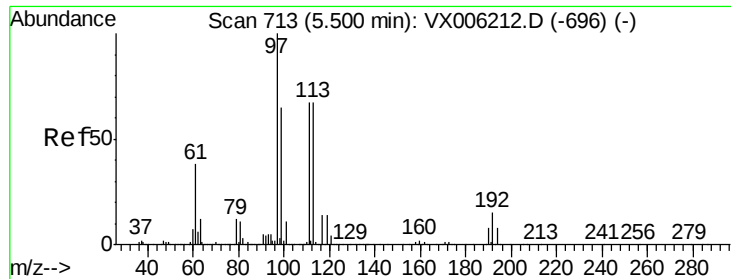


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.456 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

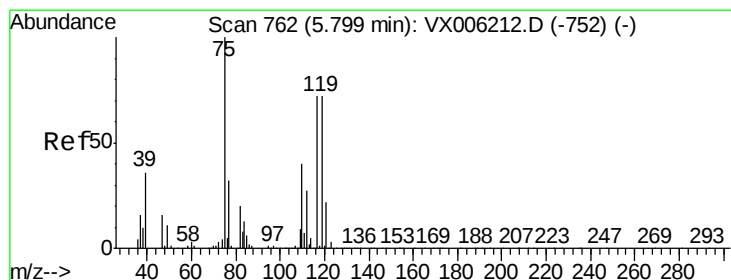
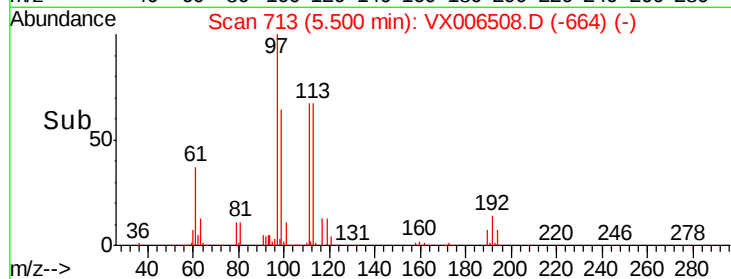
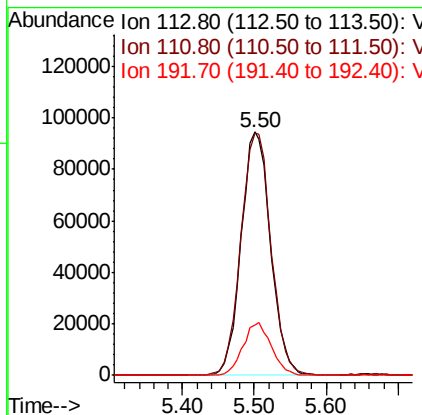
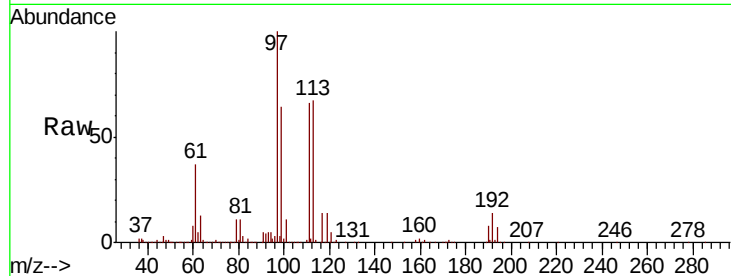
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	267854
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.1	121.7
192	21.1	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#36

1,1-Dichloropropene

Concen: 51.671 ug/l

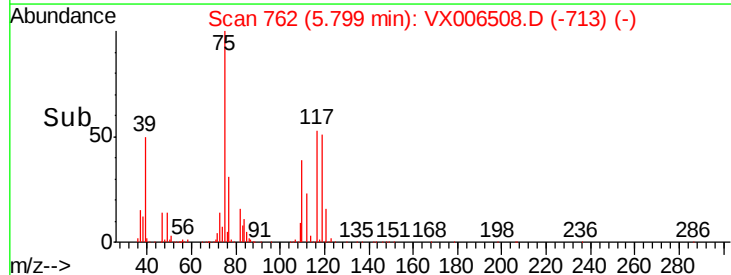
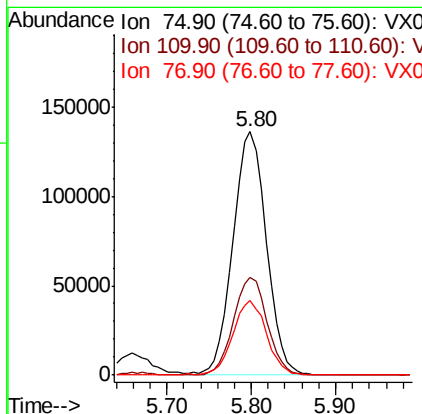
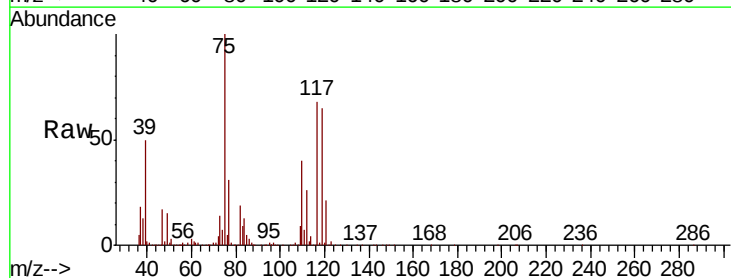
RT: 5.80 min Scan# 762

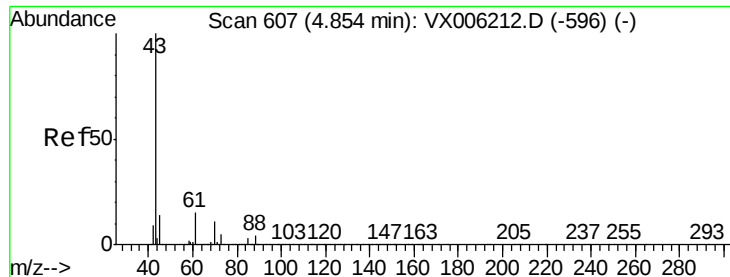
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	75	Resp:	363976
Ion Ratio	Lower	Upper	
75	100		
110	40.6	20.4	61.3
77	30.5	24.9	37.3





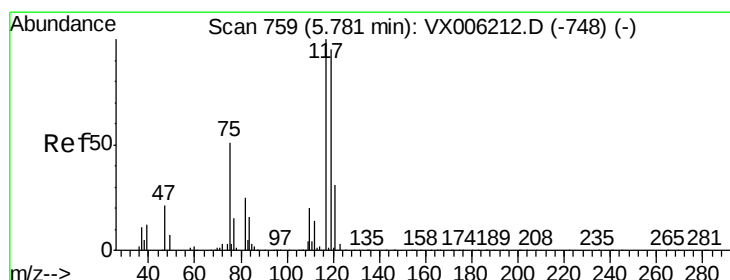
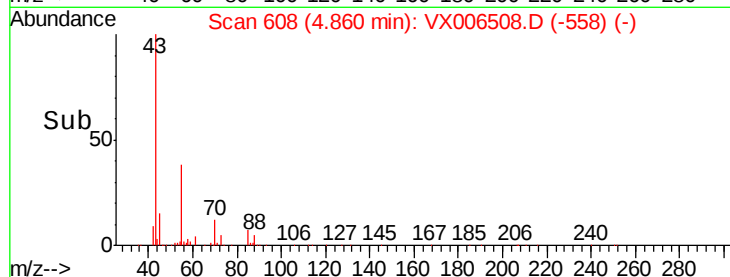
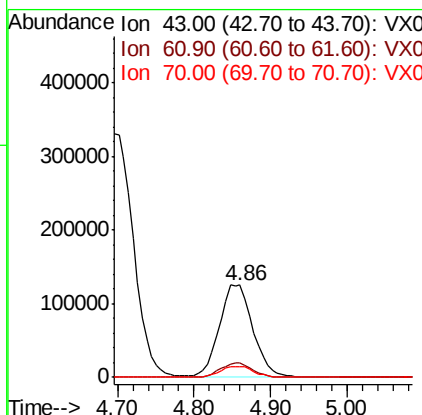
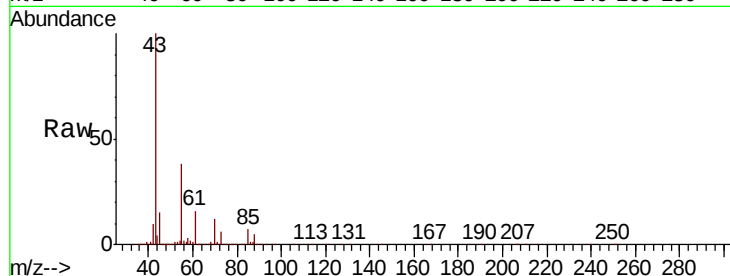
#37
Ethyl Acetate
Concen: 47.761 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.5	17.3
70	12.1	9.0	13.6

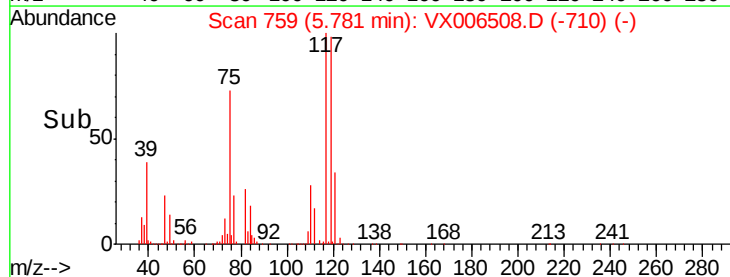
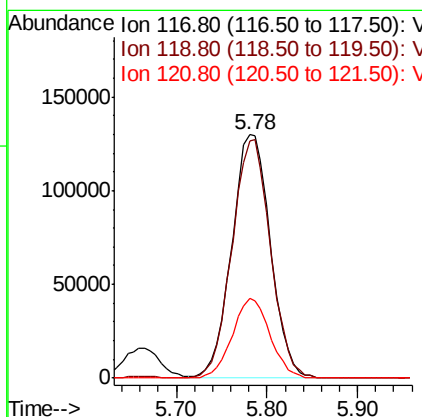
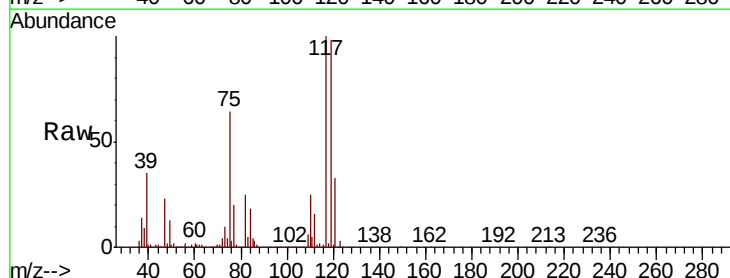
Manual Integrations
APPROVED

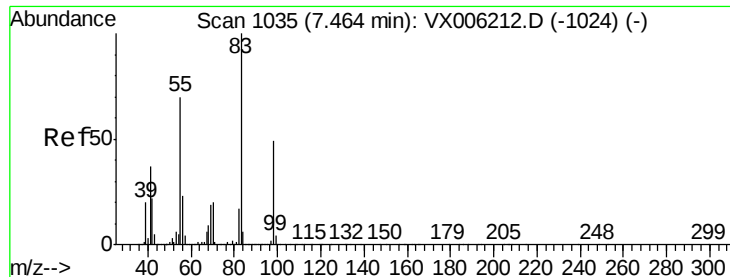
MMDadoda
12/14/2018 9:35:09 AM



#38
Carbon Tetrachloride
Concen: 46.204 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
121	32.6	24.6	37.0





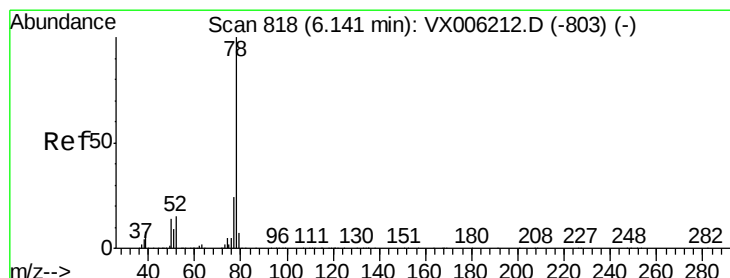
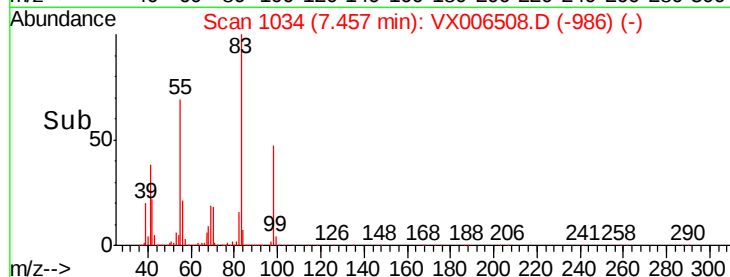
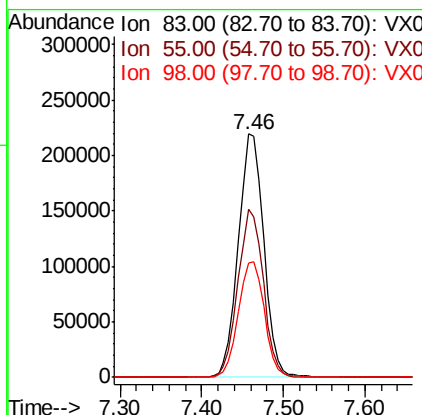
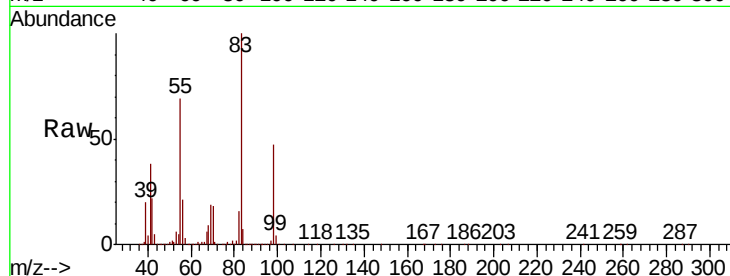
#39
Methvlcvclohexane
Concen: 52.031 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	56.4	84.6
98	46.8	39.0	58.6

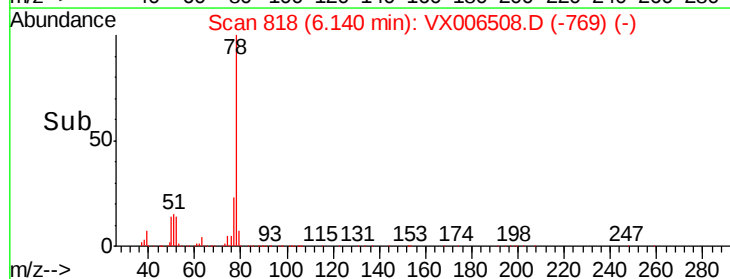
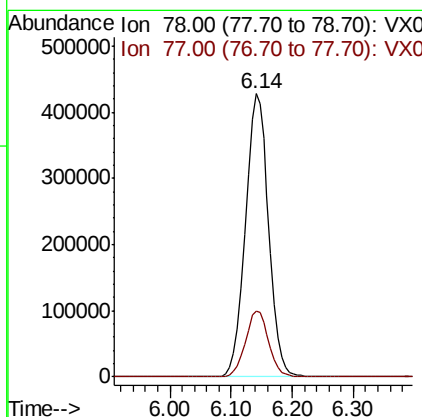
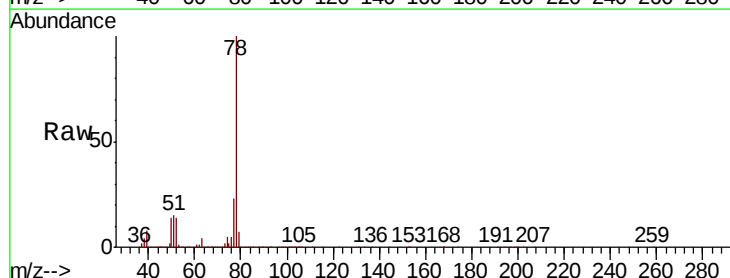
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#40
Benzene
Concen: 53.276 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





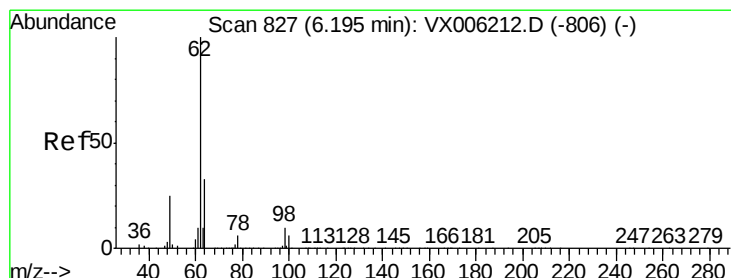
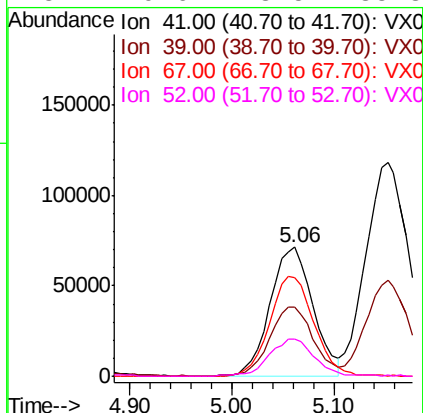
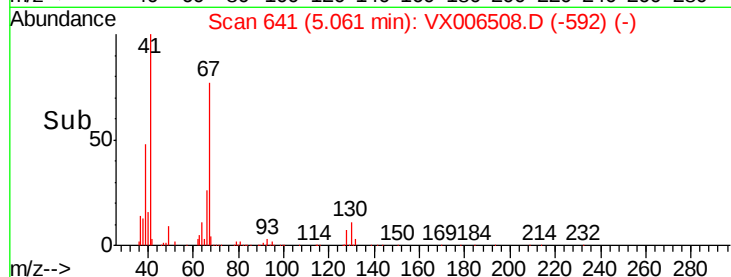
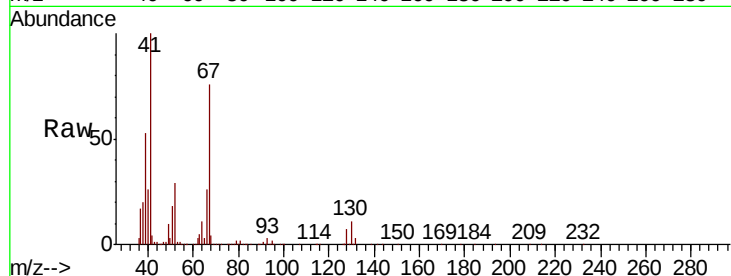
#41
Methacrylonitrile
Concen: 47.835 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		207639		
39	54.1	44.0	66.0		
67	80.4	61.4	92.0		
52	29.6	23.5	35.3		

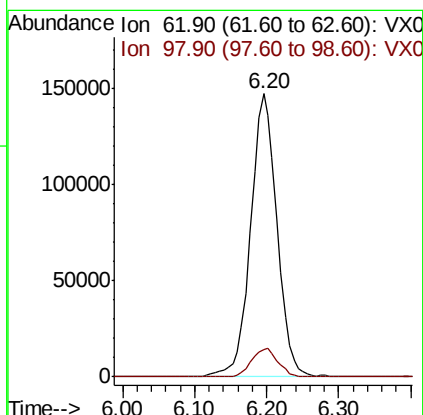
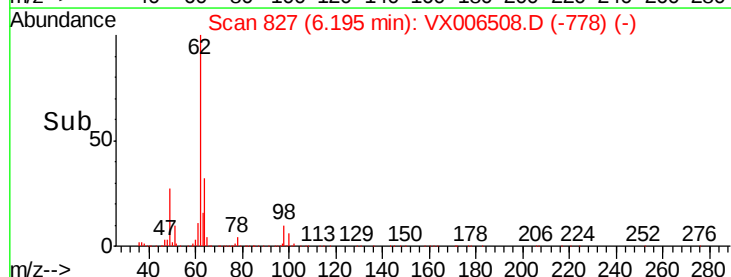
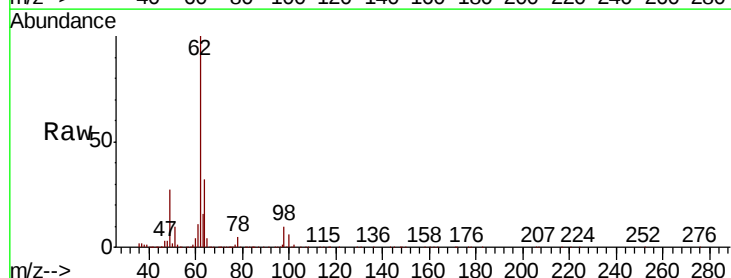
Manual Integrations
APPROVED

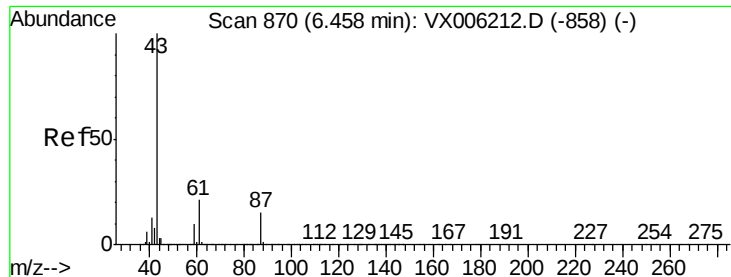
MMDadoda
12/14/2018 9:35:09 AM



#42
1,2-Dichloroethane
Concen: 53.956 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		372562		
98	10.2	0.0	20.2		





#43

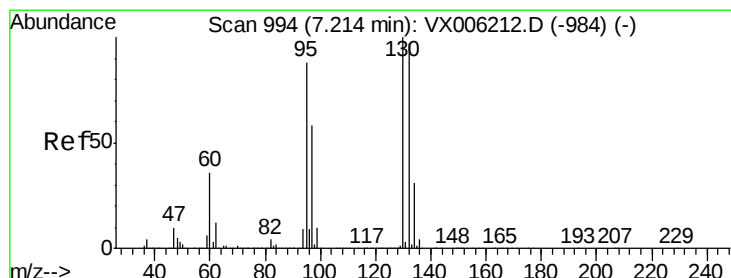
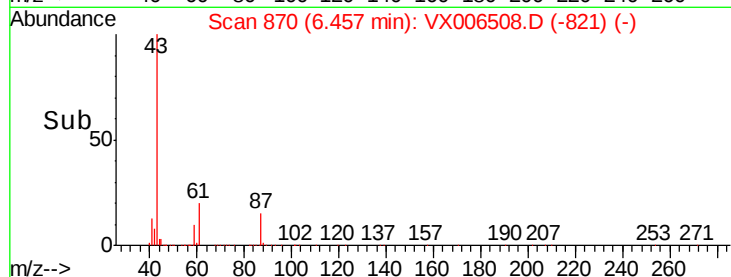
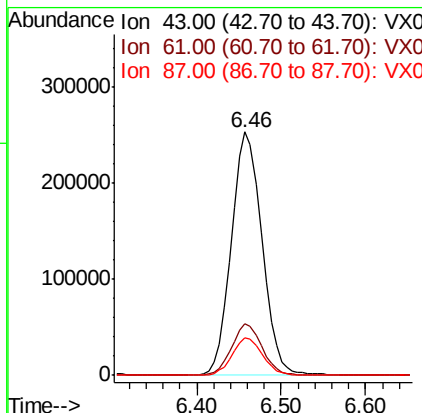
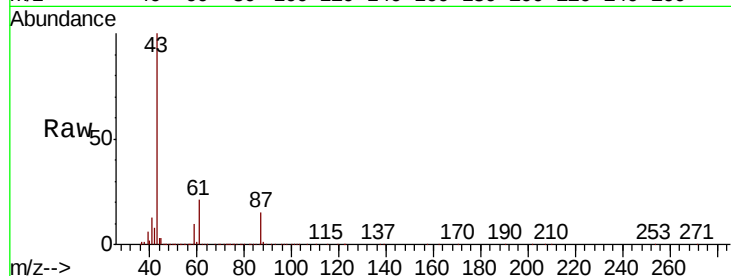
Isopropyl Acetate
 Concen: 47.269 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.8	25.2
87	15.4	11.9	17.9

Manual Integrations
 APPROVED

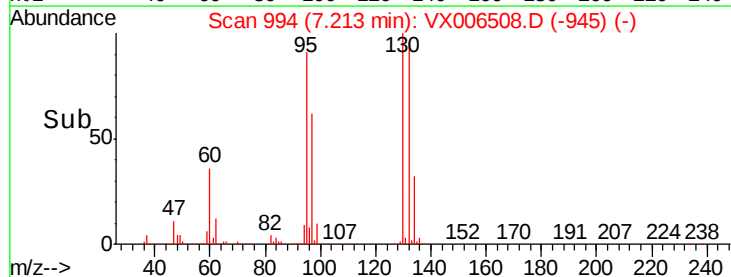
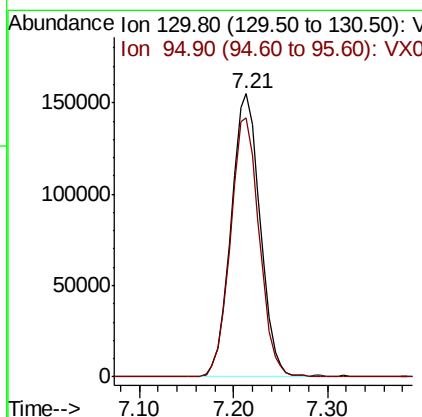
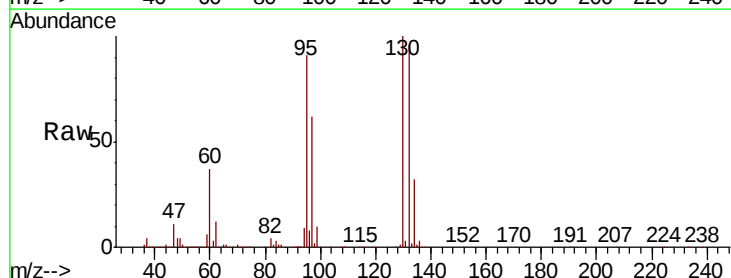
MMDadoda
 12/14/2018 9:35:09 AM



#44

Trichloroethene
 Concen: 51.894 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	175.8





#45

1,2-Dichloropropane

Concen: 50.606 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 271355

Ion Ratio Lower Upper

63 100

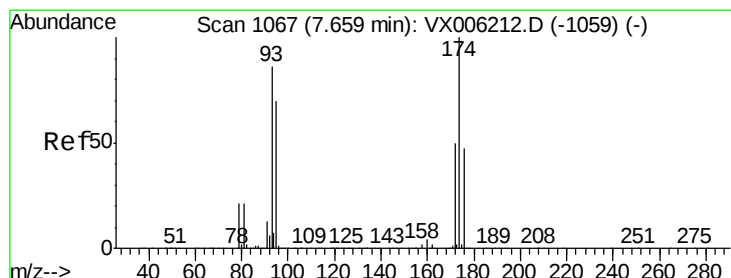
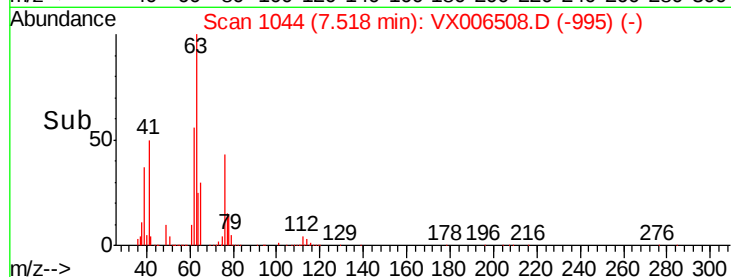
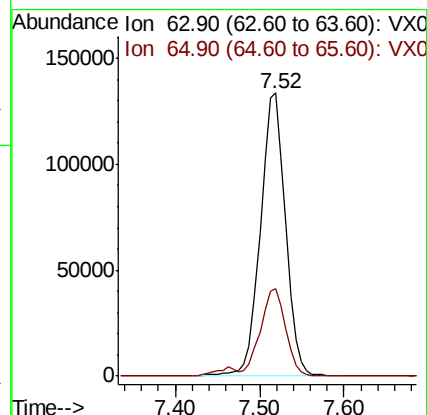
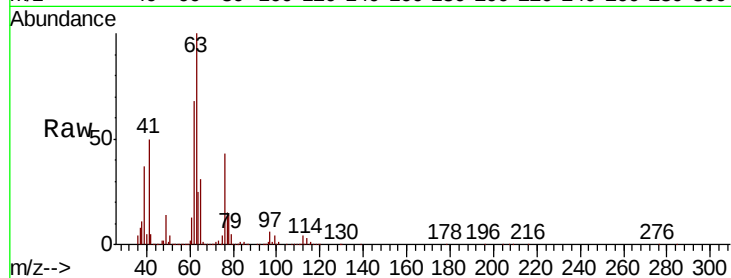
65 31.0 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:35:09 AM



#46

Dibromomethane

Concen: 51.844 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

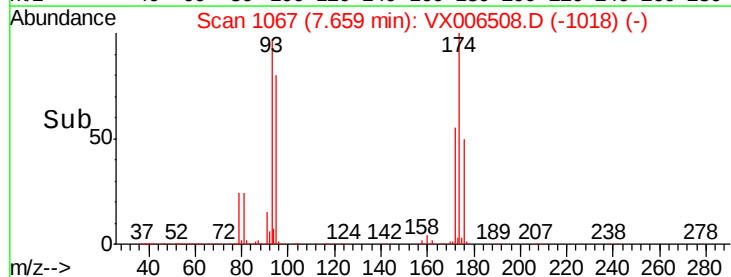
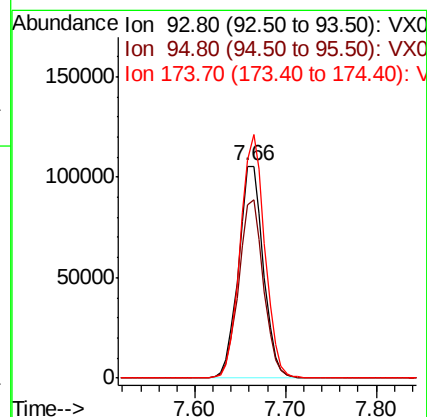
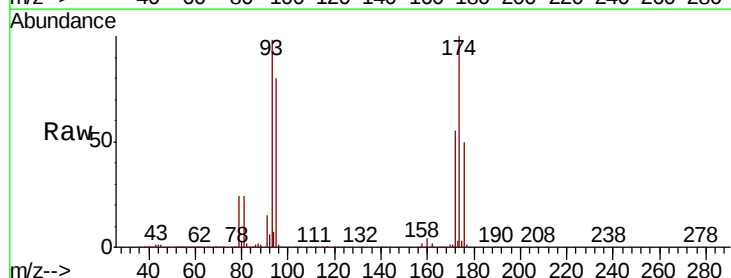
Tgt Ion: 93 Resp: 200771

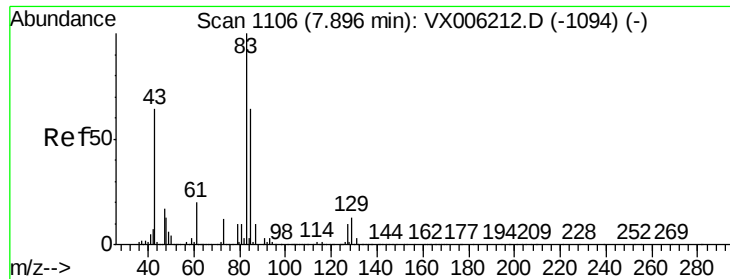
Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 113.3 97.2 145.8





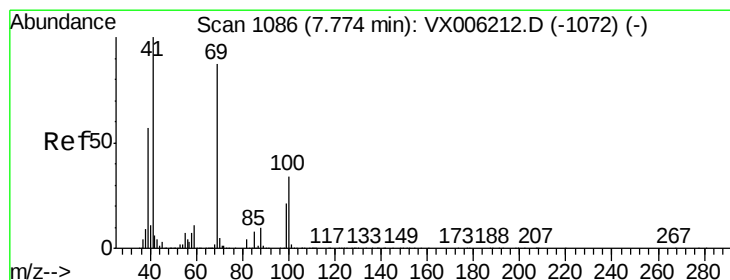
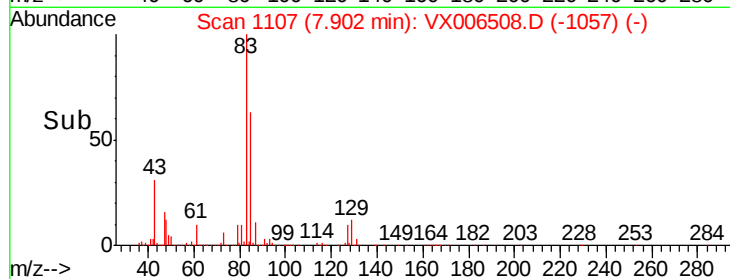
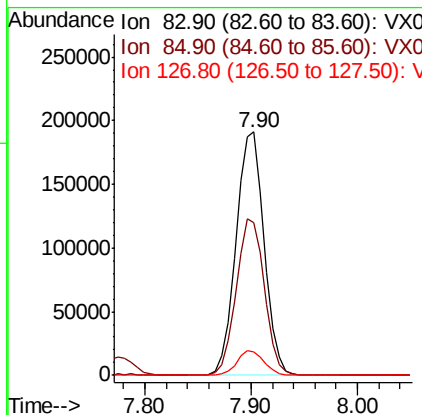
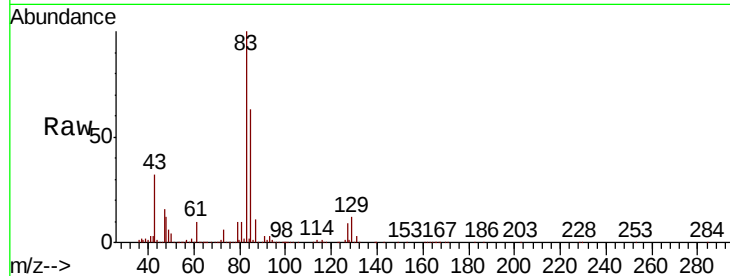
#47
Bromodichloromethane
Concen: 47.154 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.0
127	9.5	7.9	11.9

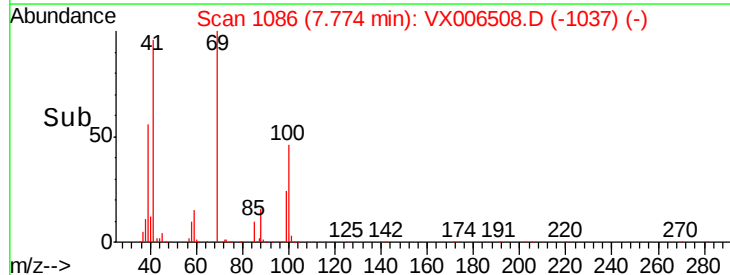
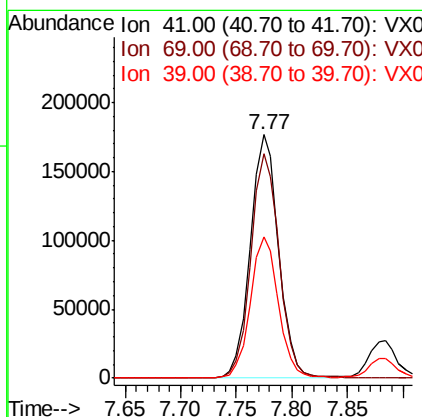
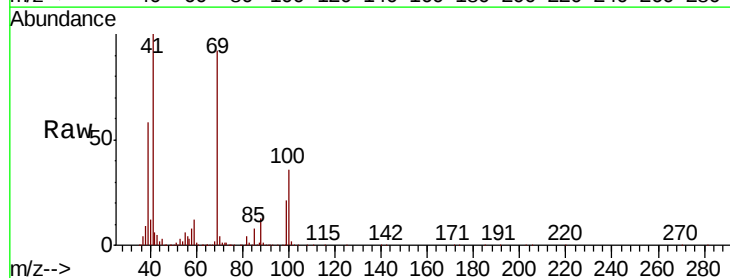
Manual Integrations
APPROVED

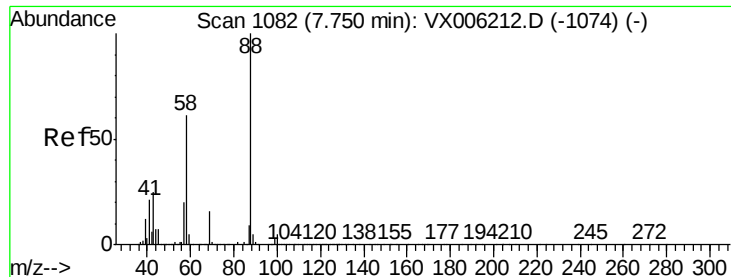
MMDadoda
12/14/2018 9:35:09 AM



#48
Methyl methacrylate
Concen: 48.753 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.0	70.3	105.5
39	57.5	45.3	67.9





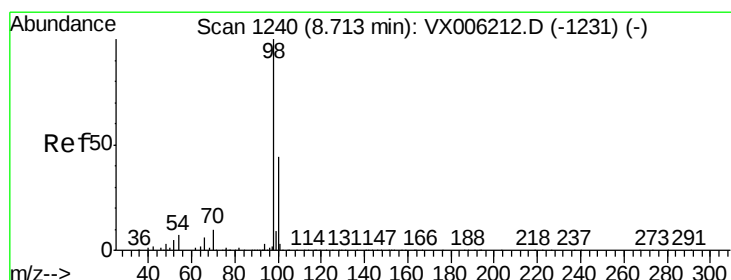
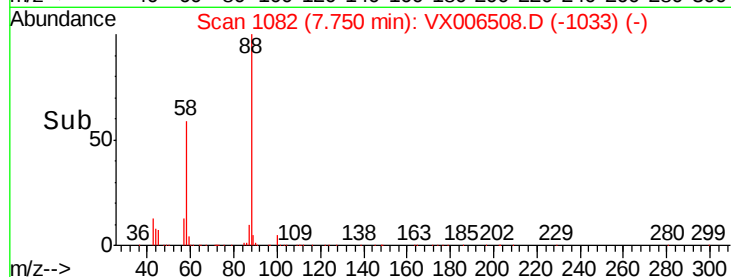
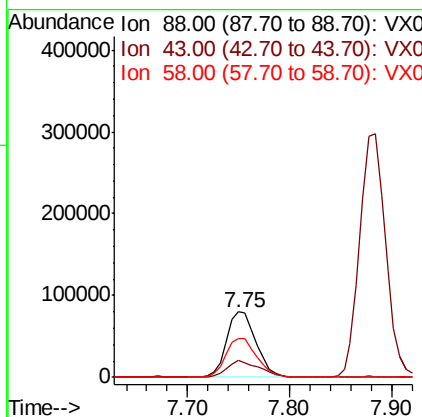
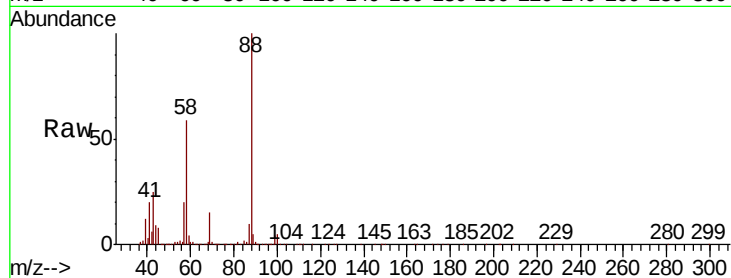
#49
1,4-Dioxane
Concen: 1015.261 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.2	34.8
58	63.0	51.4	77.0

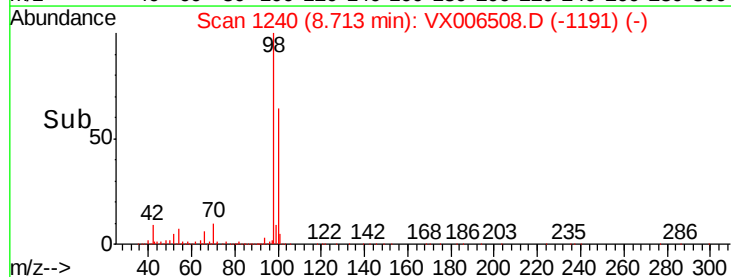
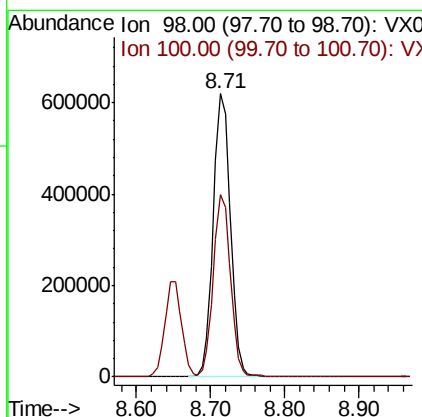
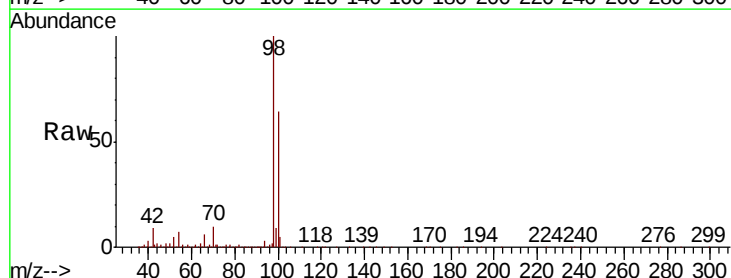
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#50
Toluene-d8
Concen: 50.040 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 246.365 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1886329

Ion Ratio Lower Upper

43 100

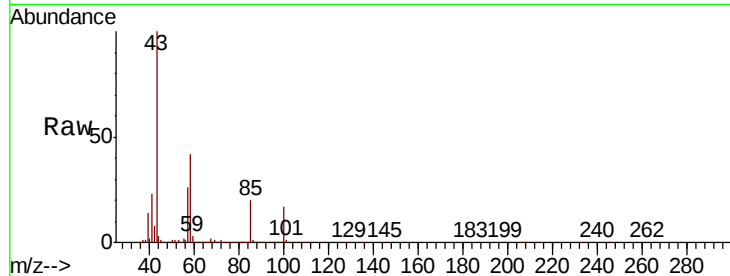
58 40.6 31.3 46.9

Manual Integrations

APPROVED

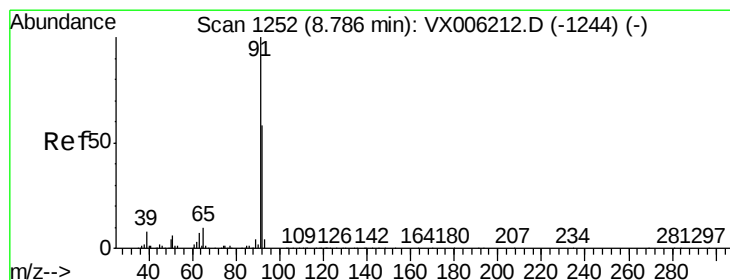
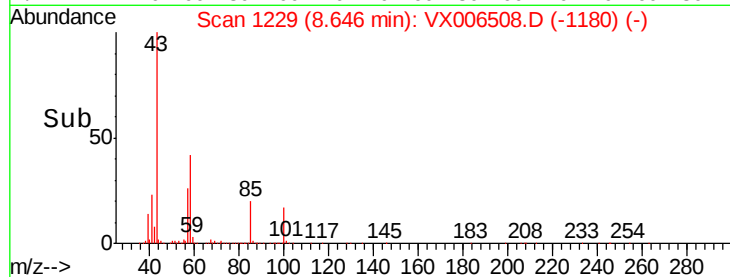
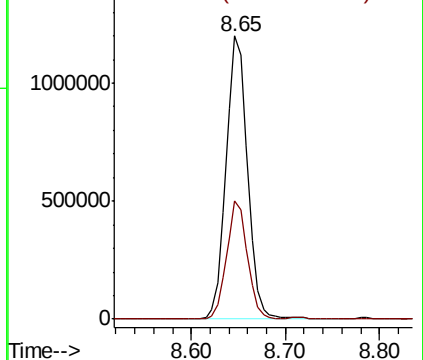
MMDadoda

12/14/2018 9:35:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.923 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006508.D

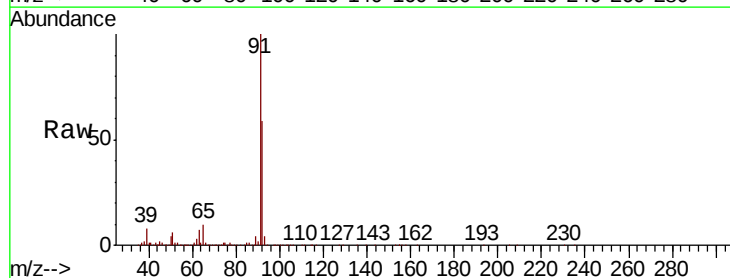
Acq: 13 Dec 2018 21:04

Tgt Ion: 92 Resp: 748460

Ion Ratio Lower Upper

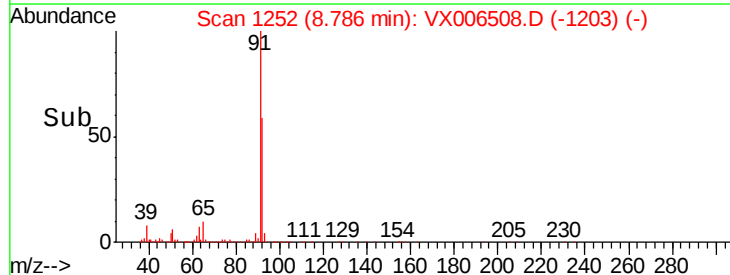
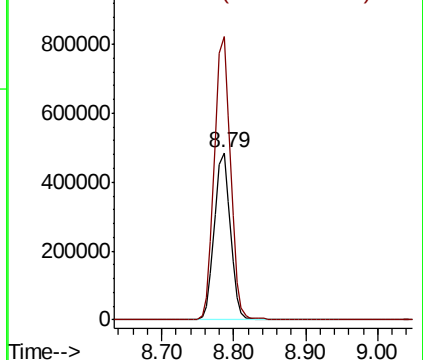
92 100

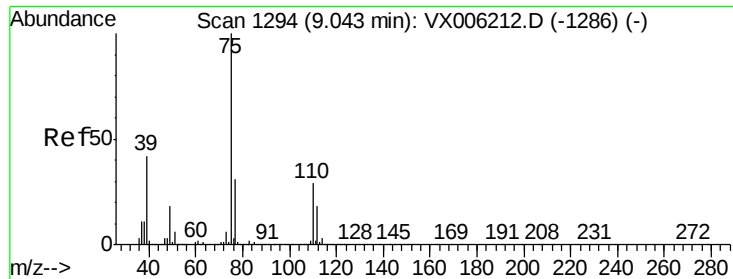
91 171.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





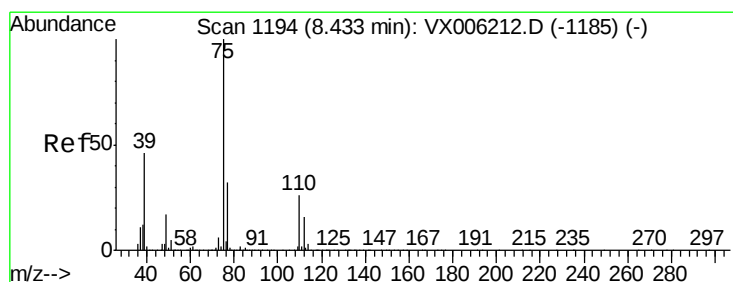
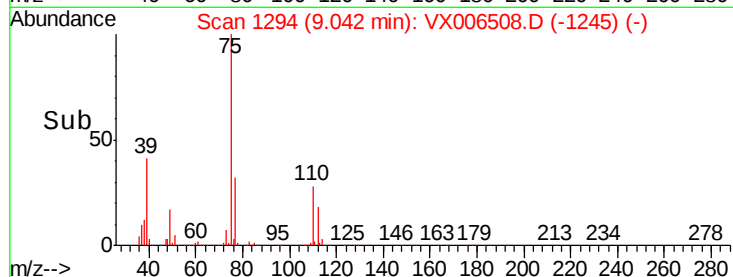
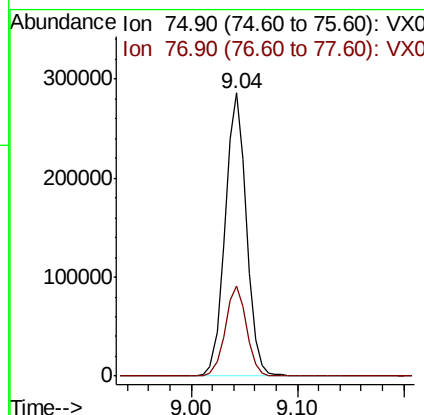
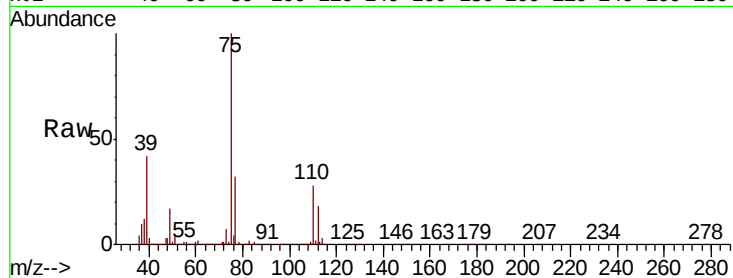
#53
t-1,3-Dichloropropene
Concen: 45.576 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4

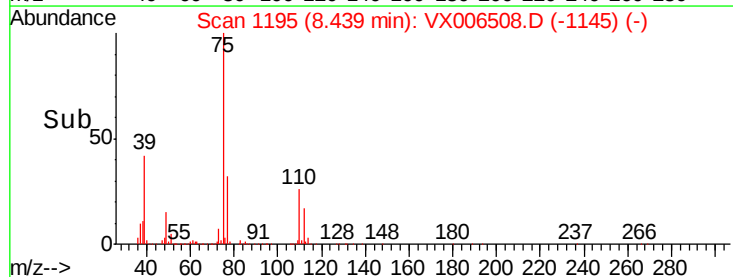
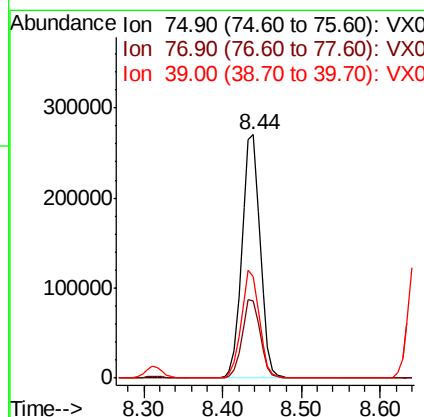
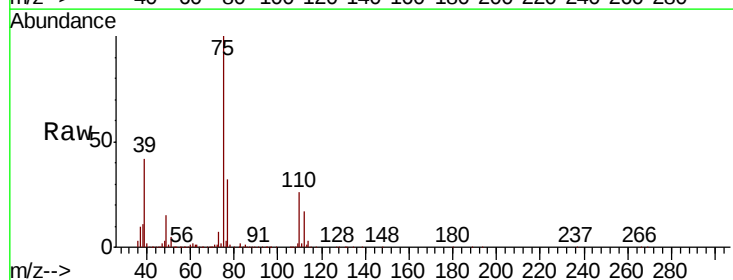
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#54
cis-1,3-Dichloropropene
Concen: 47.724 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	41.8	36.5	54.7





#55

1,1,2-Trichloroethane

Concen: 54.151 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

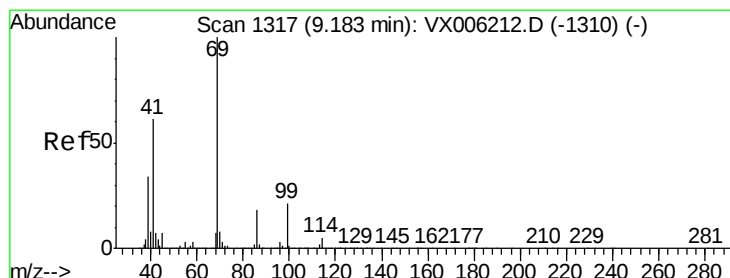
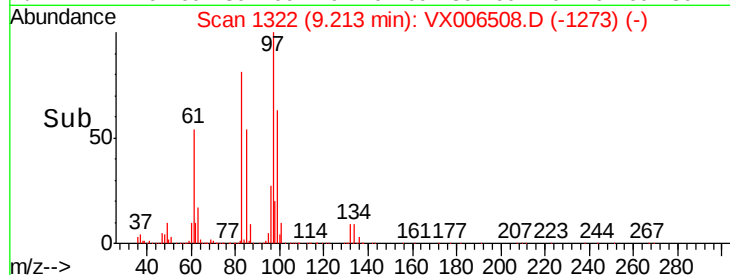
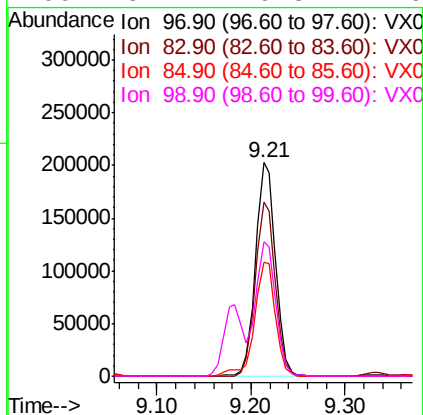
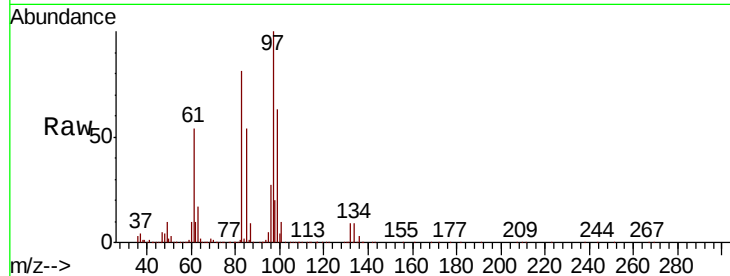
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		305354		
83	81.3	67.1	100.7		
85	53.6	43.2	64.8		
99	62.7	49.8	74.6		

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#56

Ethyl methacrylate

Concen: 51.436 ug/l

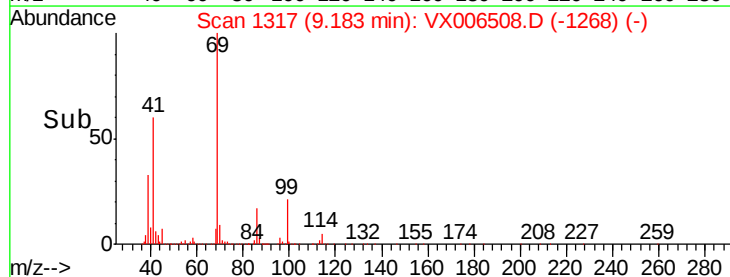
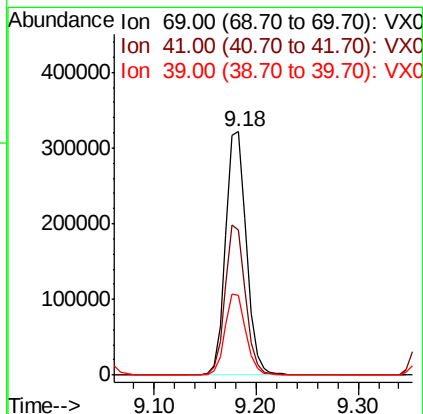
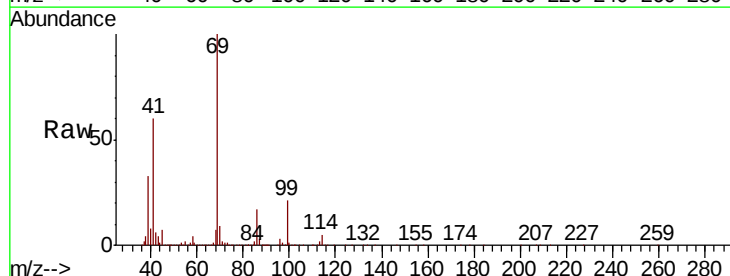
RT: 9.18 min Scan# 1317

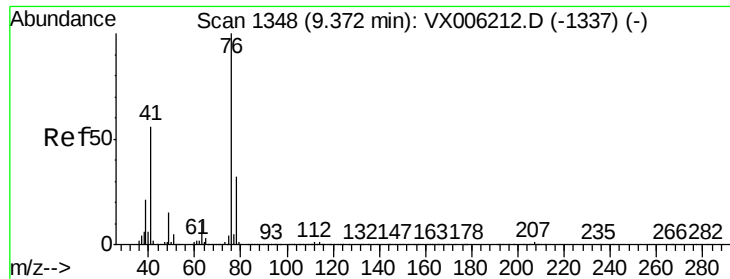
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		453435		
41	60.2	50.6	76.0		
39	33.3	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 53.887 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 480502

Ion Ratio Lower Upper

76 100

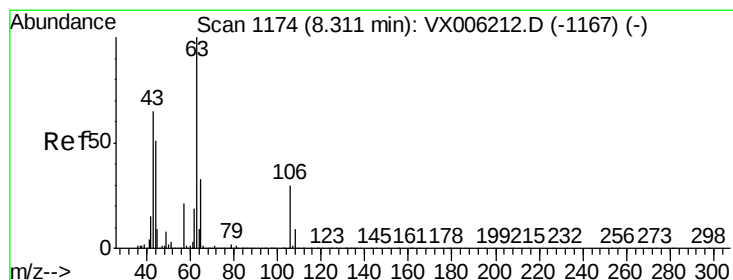
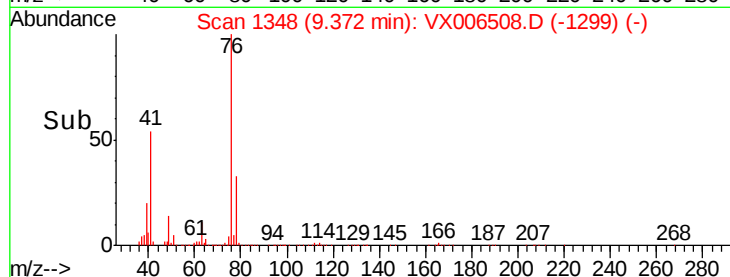
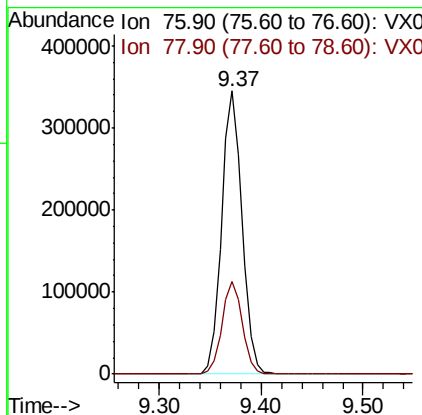
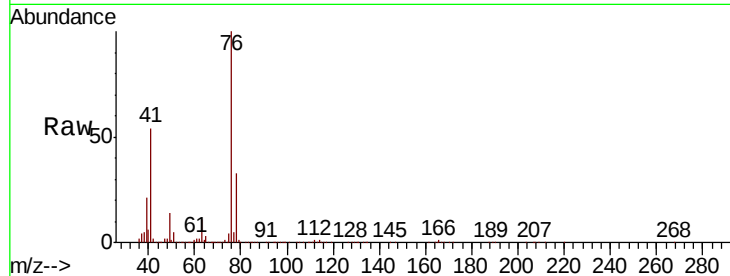
78 32.5 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:35:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 233.166 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006508.D

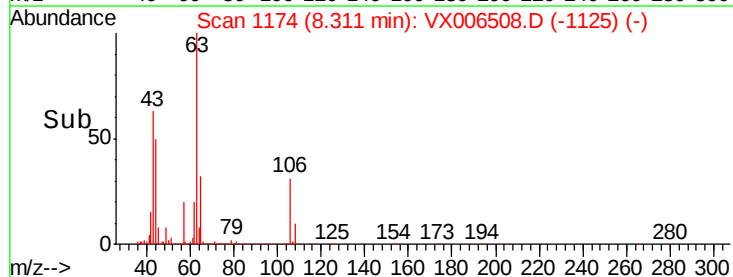
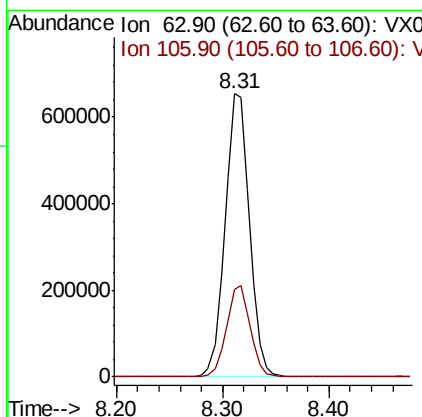
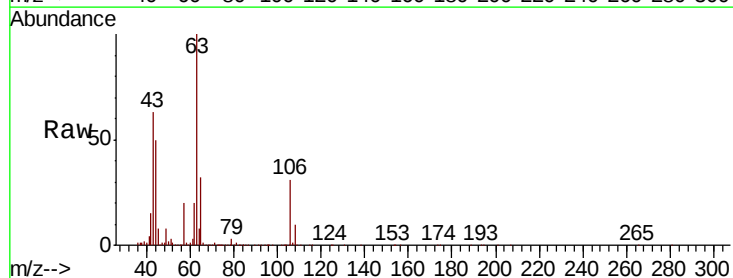
Acq: 13 Dec 2018 21:04

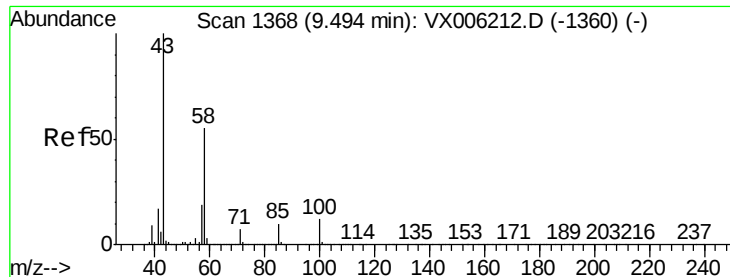
Tgt Ion: 63 Resp: 1043048

Ion Ratio Lower Upper

63 100

106 31.4 24.9 37.3





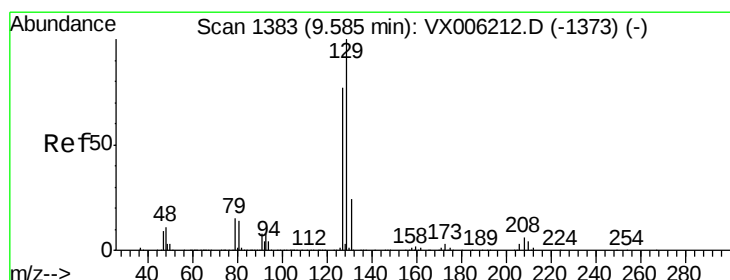
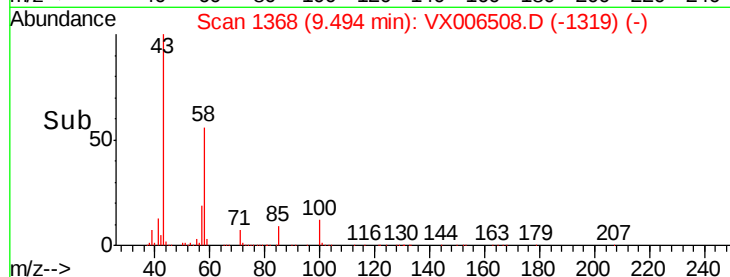
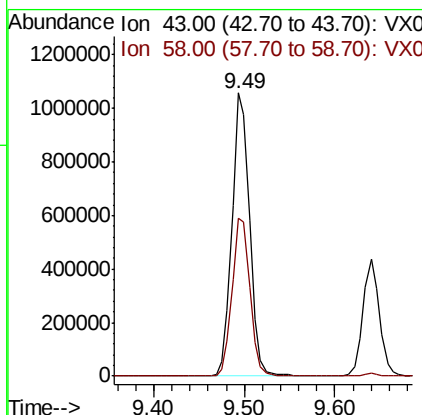
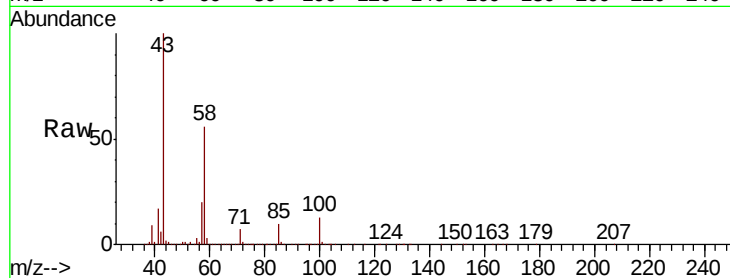
#59
2-Hexanone
Concen: 242.896 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1420869
Ion Ratio Lower Upper
43 100
58 57.1 27.7 83.1

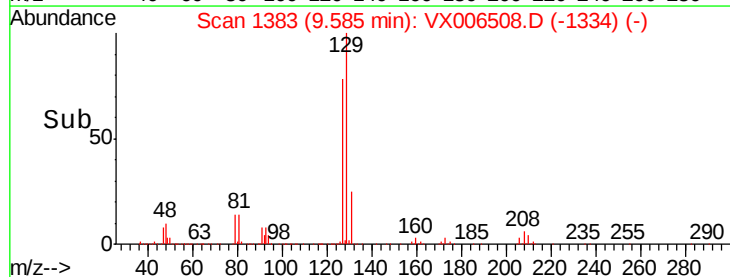
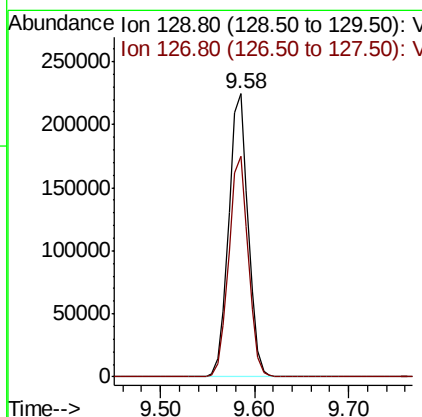
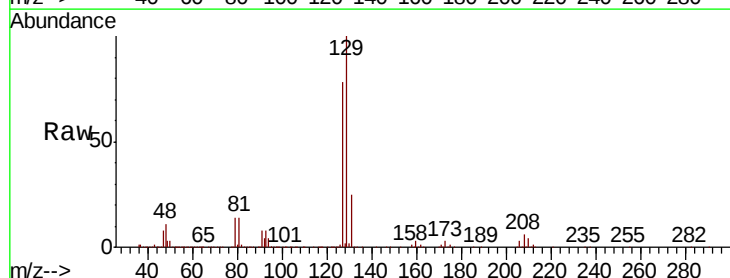
Manual Integrations
APPROVED

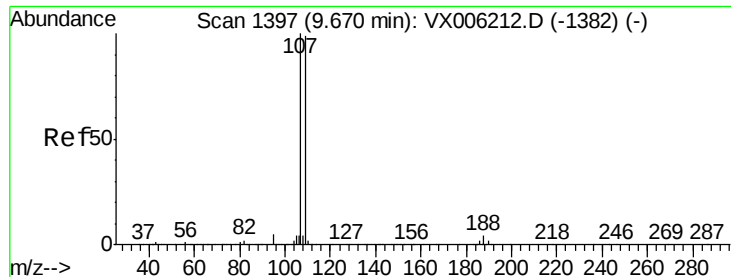
MMDadoda
12/14/2018 9:35:09 AM



#60
Dibromochloromethane
Concen: 46.071 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion: 129 Resp: 320346
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.515 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 331114

Ion Ratio Lower Upper

107 100

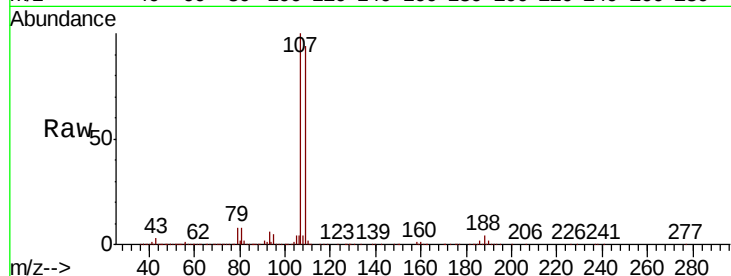
109 95.1 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:35:09 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

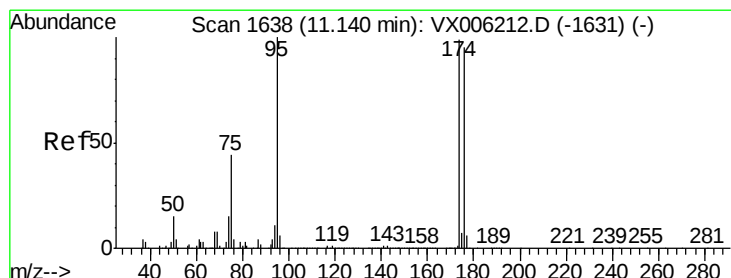
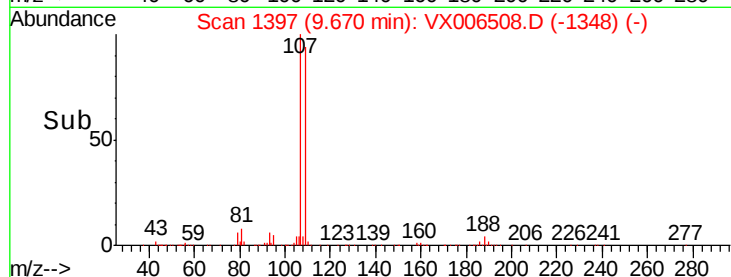
100000

50000

0

9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 50.875 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

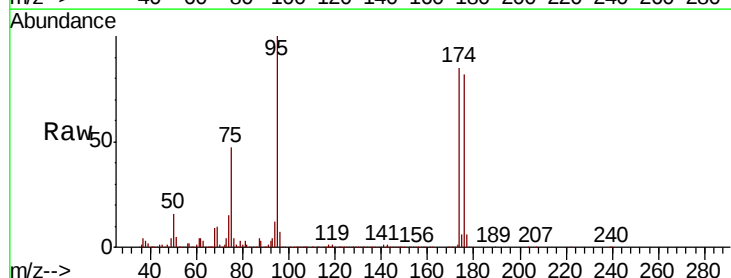
Tgt Ion: 95 Resp: 377673

Ion Ratio Lower Upper

95 100

174 91.8 0.0 187.0

176 88.0 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

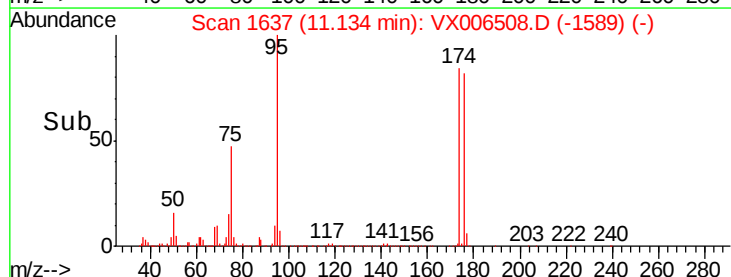
200000

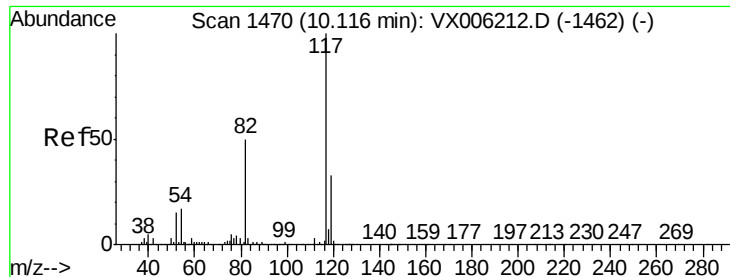
100000

0

11.10 11.20

Time-->





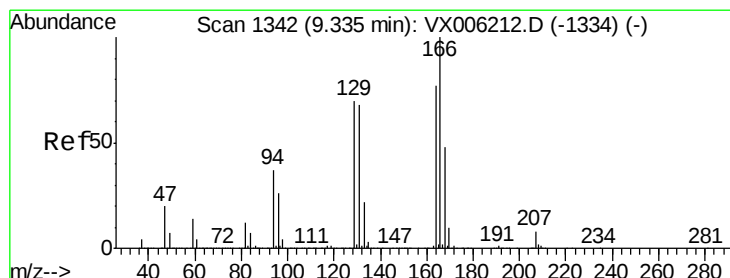
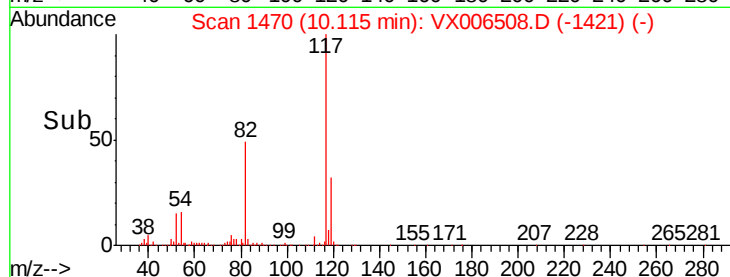
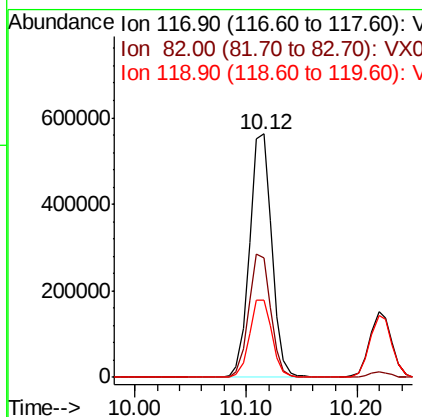
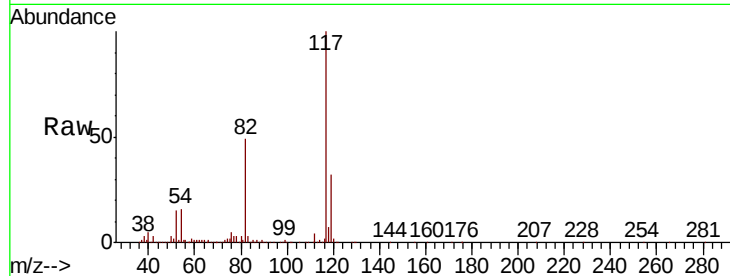
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	777667		
82	49.1	39.6	59.4	
119	31.9	26.3	39.5	

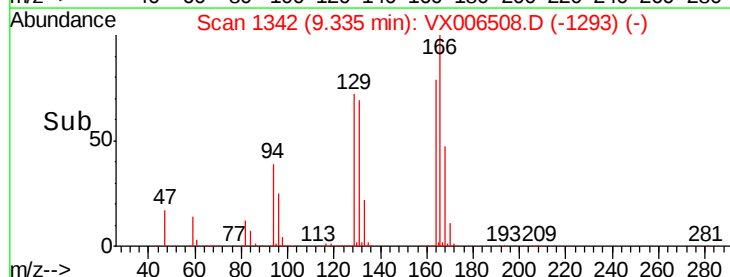
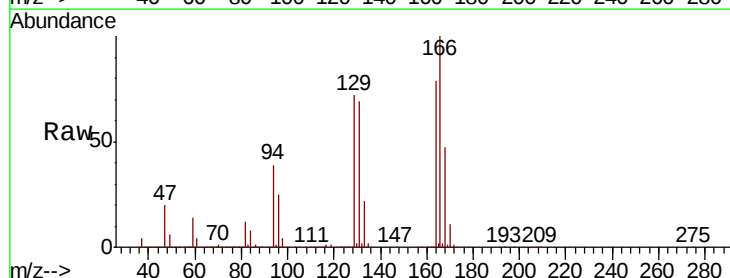
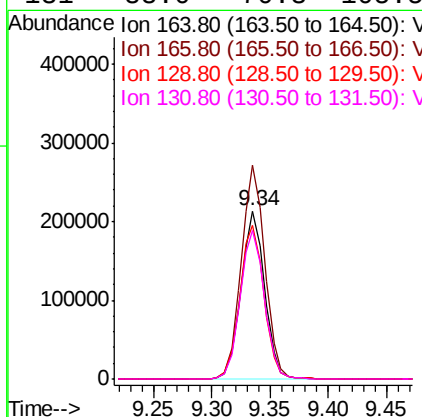
Manual Integrations
APPROVED

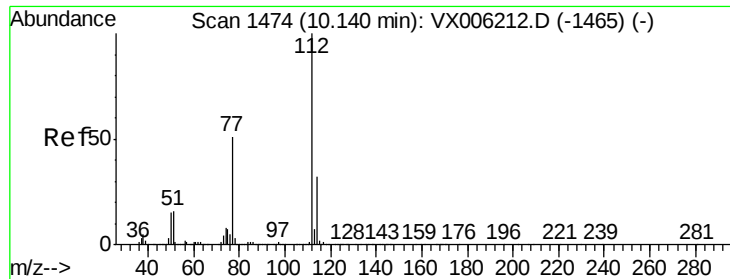
MMDadoda
12/14/2018 9:35:09 AM



#64
Tetrachloroethene
Concen: 51.531 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	301794		
166	127.0	104.2	156.2	
129	91.0	72.6	108.8	
131	88.0	70.3	105.5	





#65

Chlorobenzene

Concen: 53.062 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 875951

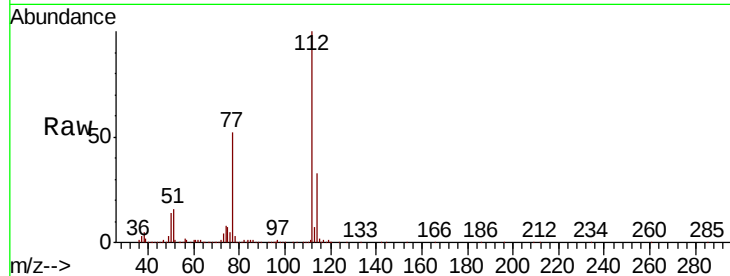
Ion Ratio Lower Upper

112 100

114 33.1 25.4 38.2

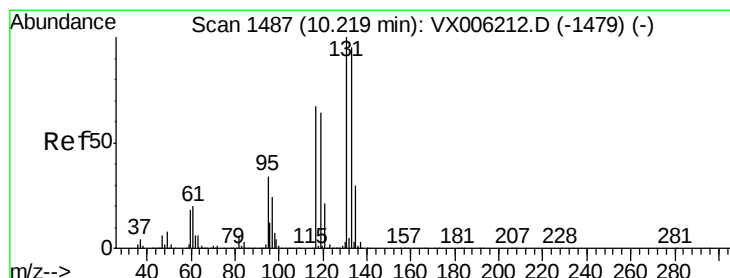
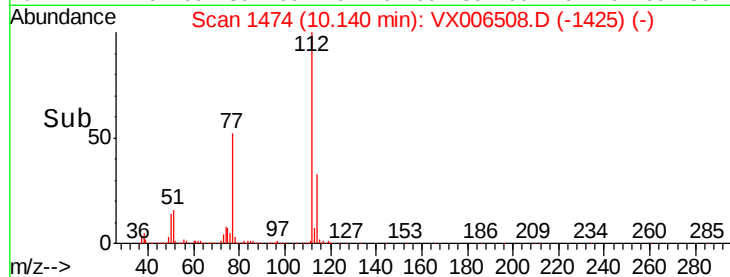
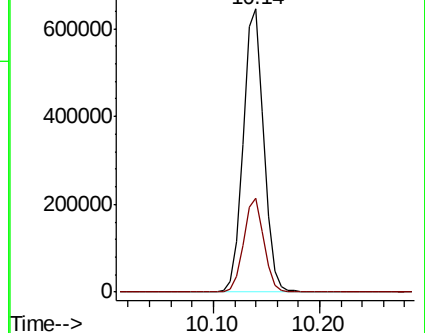
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.281 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

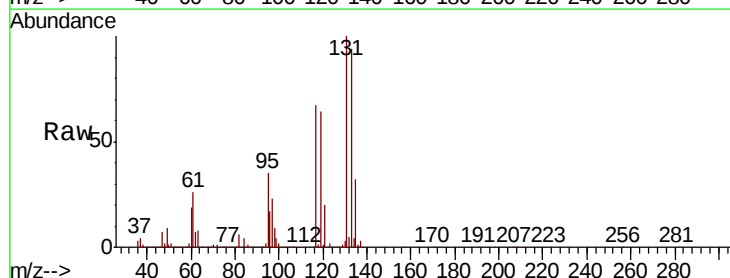
Tgt Ion:131 Resp: 309675

Ion Ratio Lower Upper

131 100

133 96.2 48.1 144.4

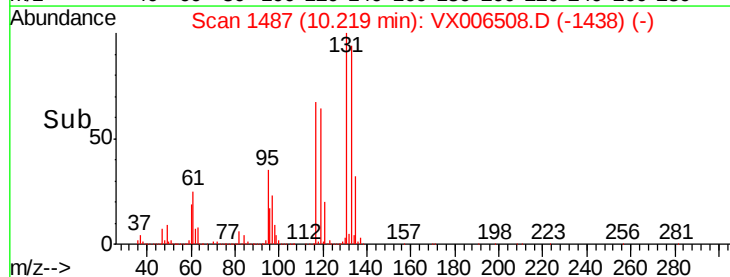
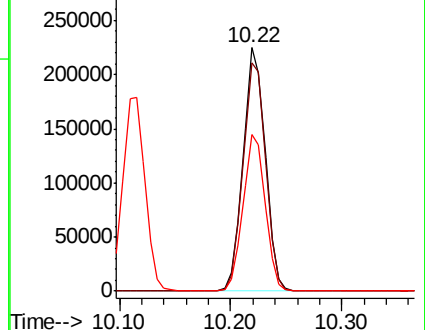
119 64.6 32.1 96.3

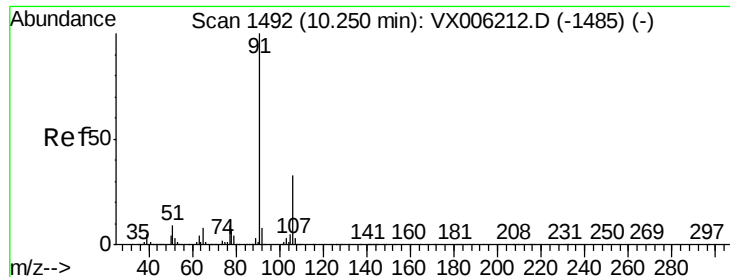


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.385 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1438300

Ion Ratio Lower Upper

91 100

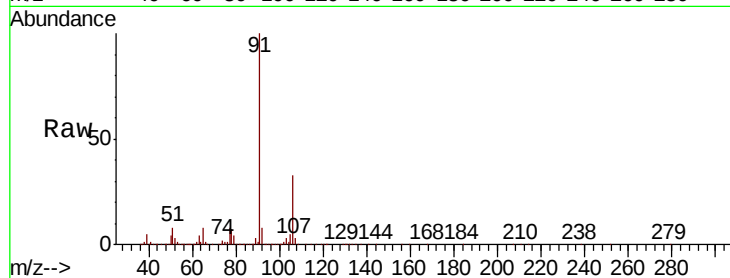
106 32.5 26.5 39.7

Manual Integrations

APPROVED

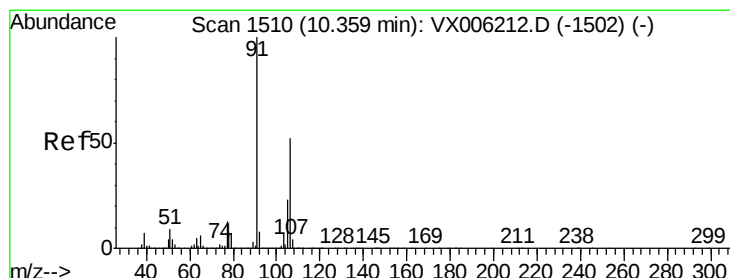
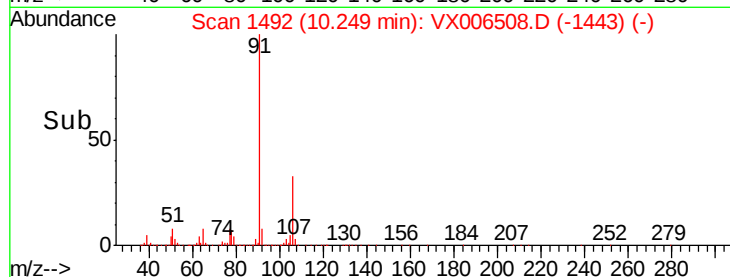
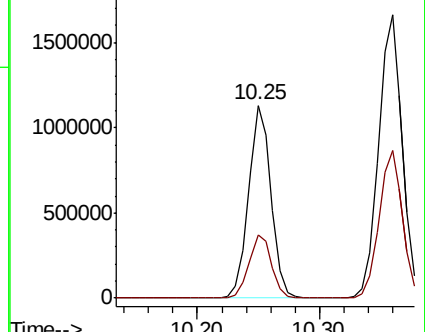
MMDadoda

12/14/2018 9:35:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006508.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX006508.D (-1443) (-)



#68

m/p-Xylenes

Concen: 105.057 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006508.D

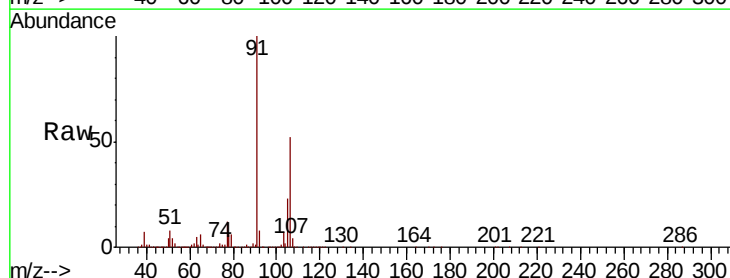
Acq: 13 Dec 2018 21:04

Tgt Ion: 106 Resp: 1155435

Ion Ratio Lower Upper

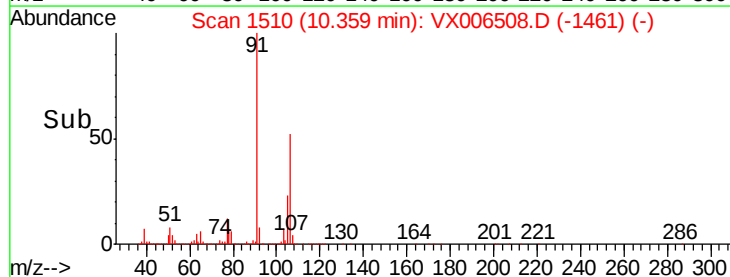
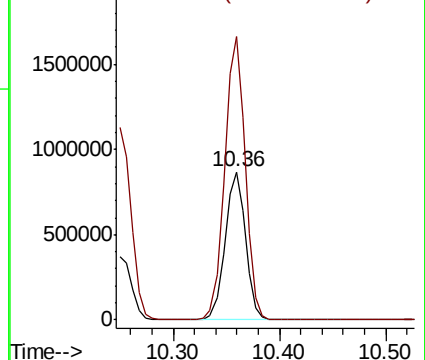
106 100

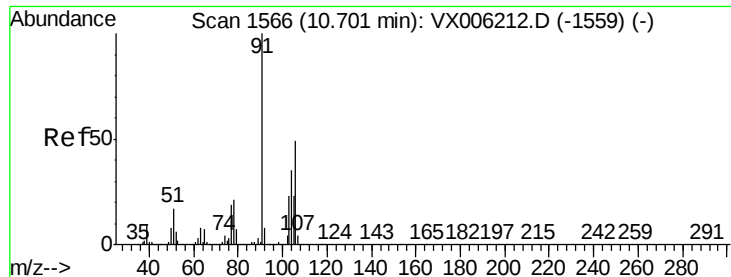
91 193.4 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VX006508.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX006508.D (-1461) (-)





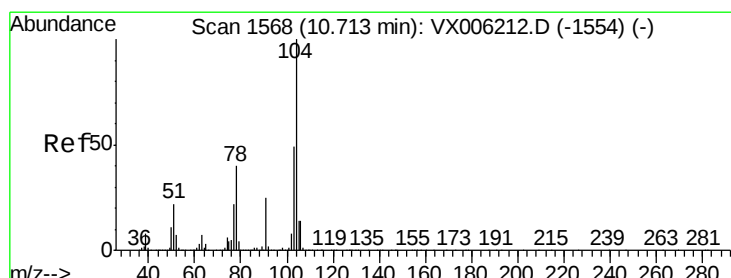
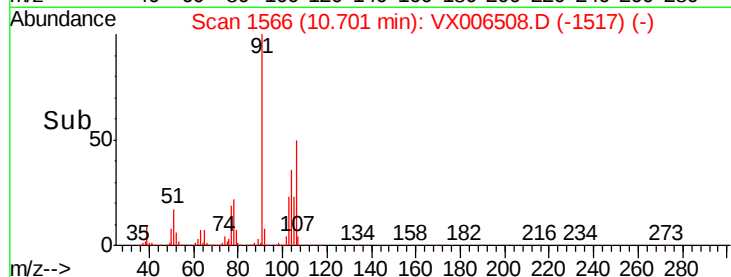
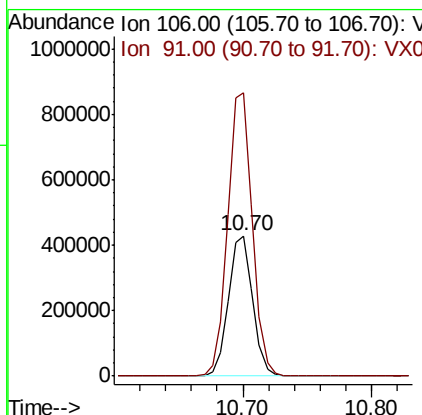
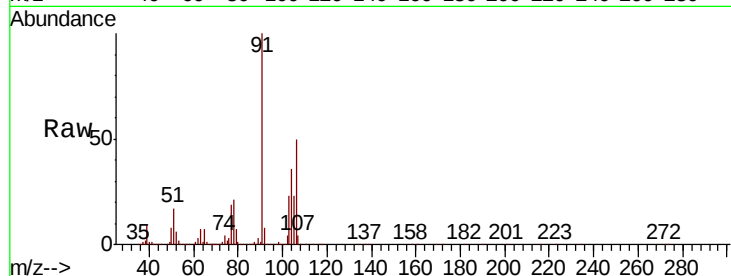
#69
o-Xylene
Concen: 52.165 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.8	101.8	305.6

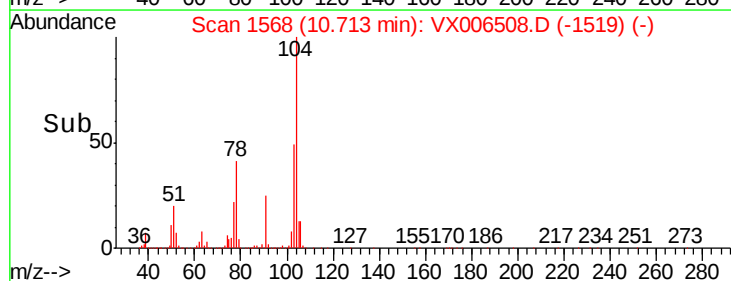
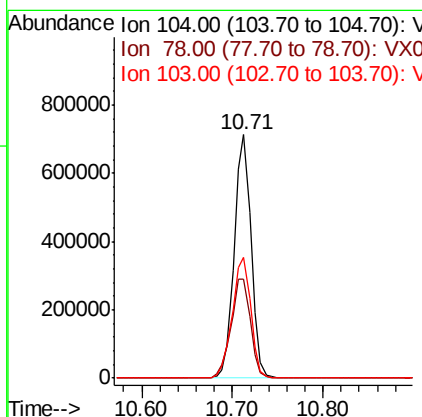
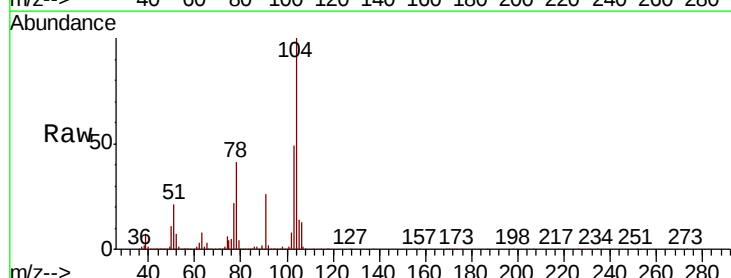
Manual Integrations
APPROVED

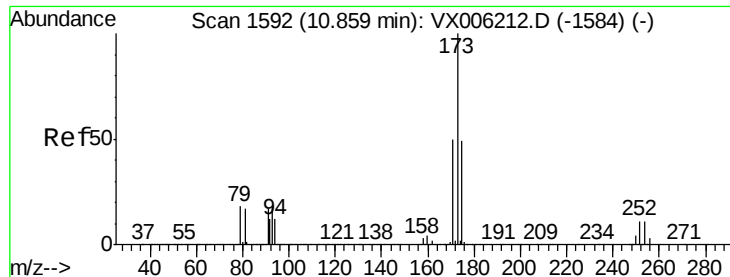
MMDadoda
12/14/2018 9:35:09 AM



#70
Styrene
Concen: 52.299 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.2	55.8
103	54.7	43.5	65.3





#71

Bromoform

Concen: 39.877 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

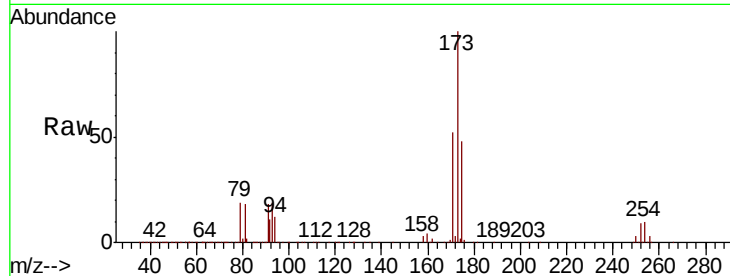
ClientSampleId :

VSTDCCC050EC

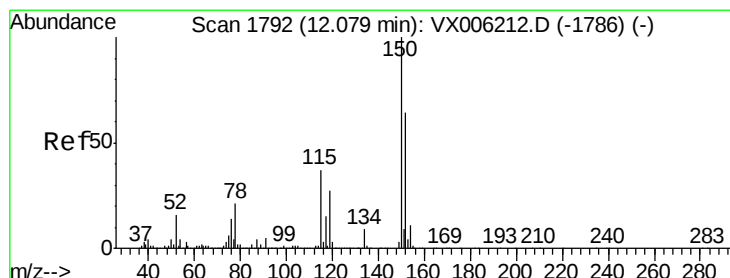
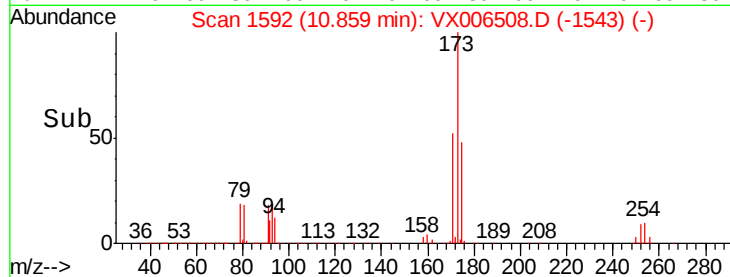
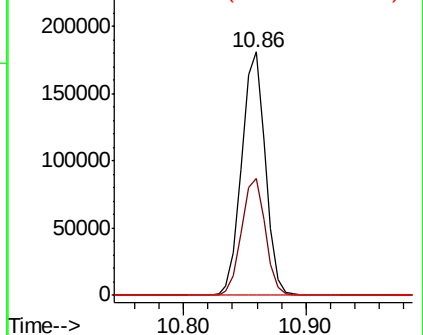
Tot Ion:	173	Resp:	241441
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.6	73.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

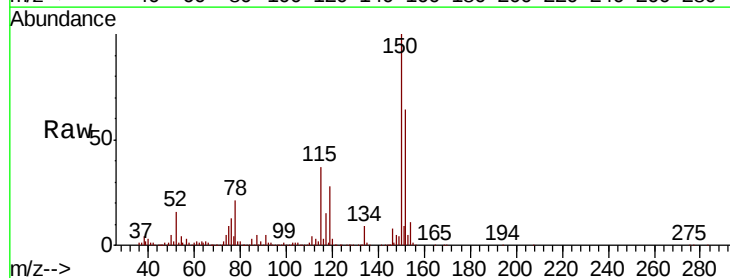
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

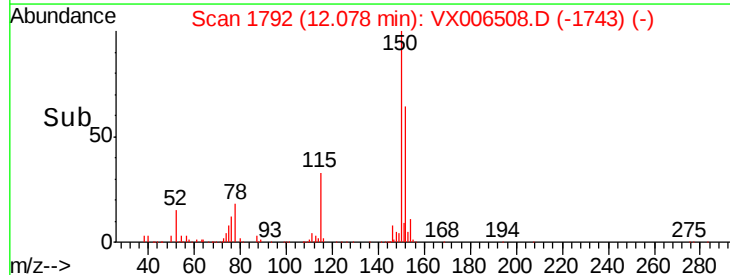
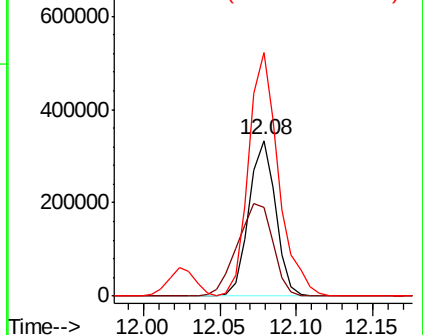
Lab File: VX006508.D

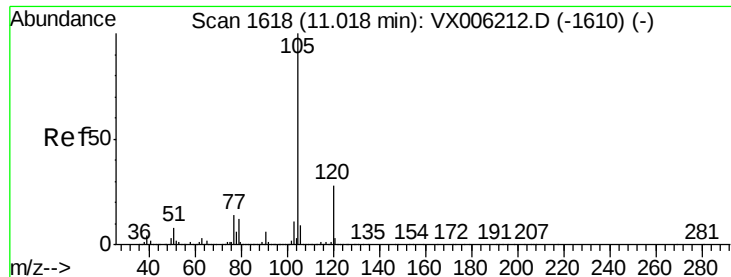
Acq: 13 Dec 2018 21:04

Tgt Ion:	152	Resp:	403535
Ion Ratio	Lower	Upper	
152	100		
115	79.4	39.0	116.9
150	175.7	0.0	345.8



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





#73

Isopropylbenzene

Concen: 53.849 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1500659

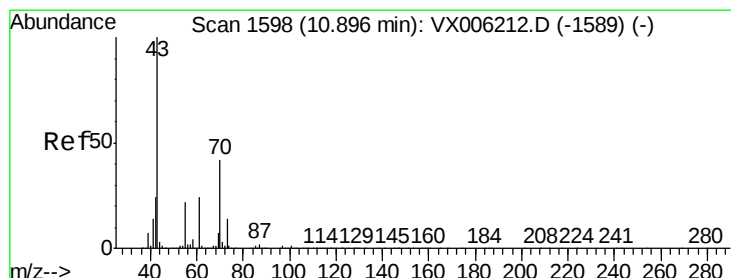
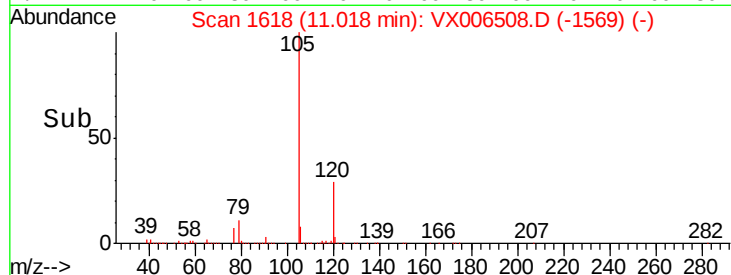
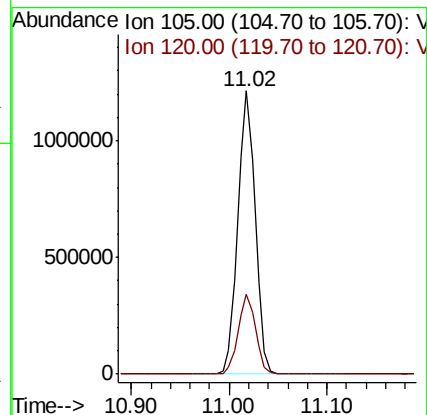
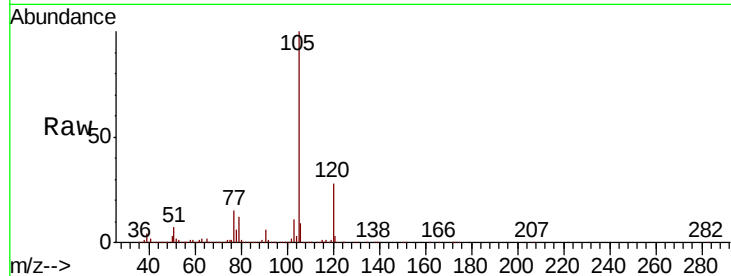
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.3

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#74

N-ethyl acetate

Concen: 45.454 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion: 43 Resp: 545461

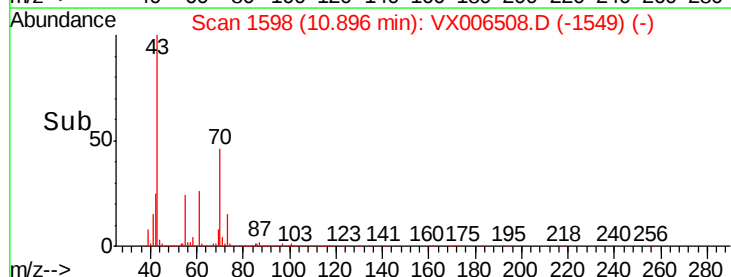
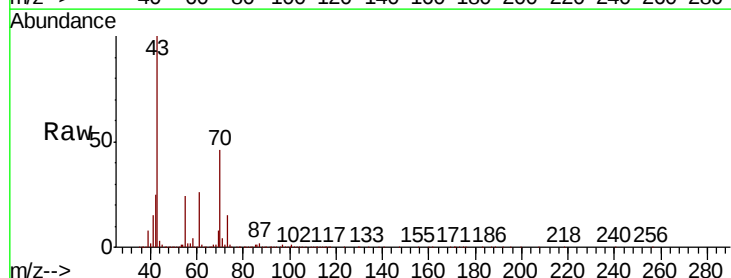
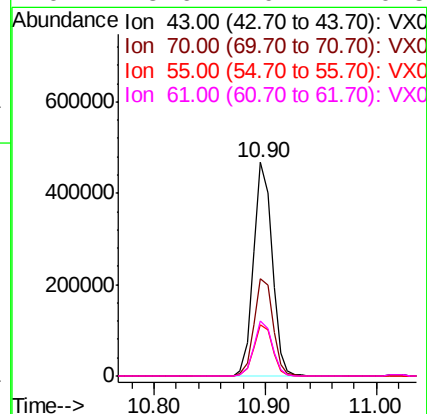
Ion Ratio Lower Upper

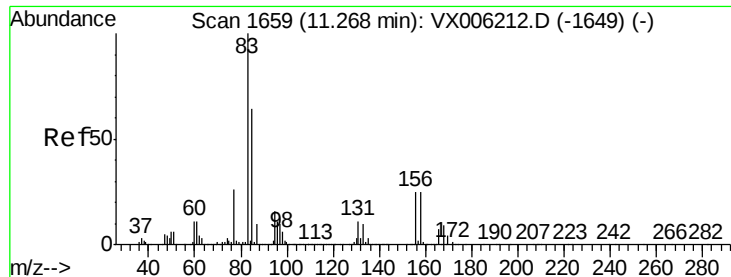
43 100

70 46.5 34.1 51.1

55 24.3 17.8 26.8

61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.087 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

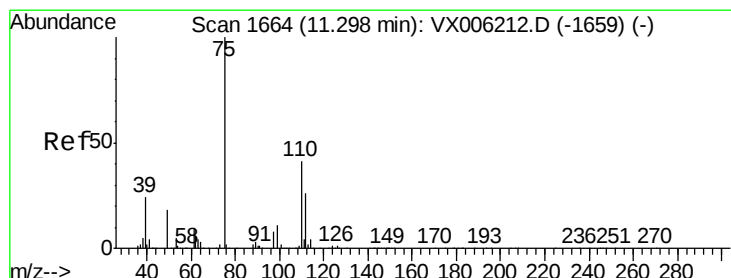
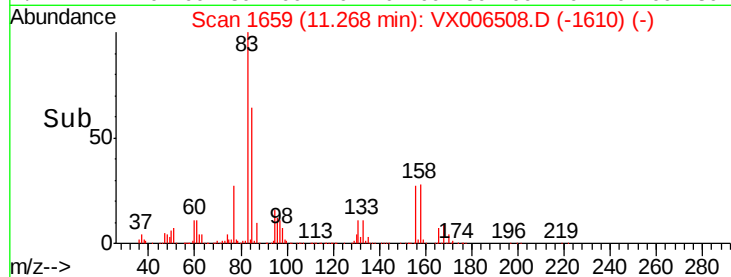
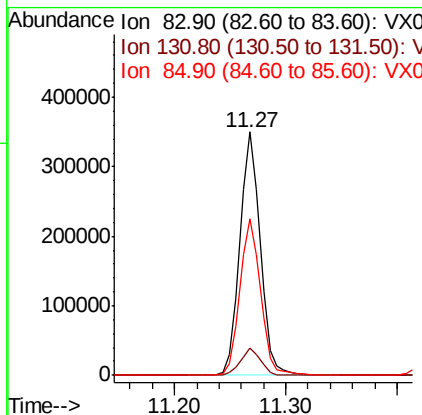
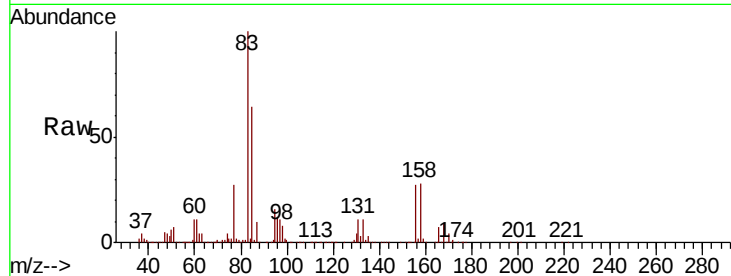
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	446551
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	65.0	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#76

1,2,3-Trichloropropane

Concen: 52.762 ug/l m

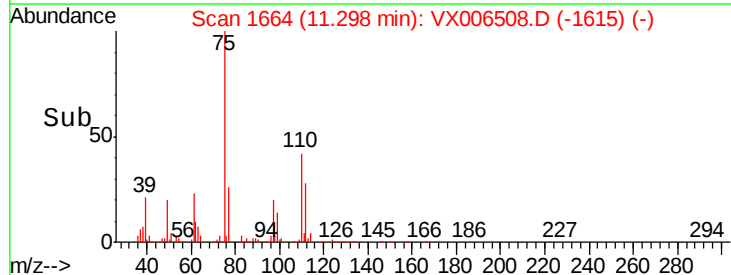
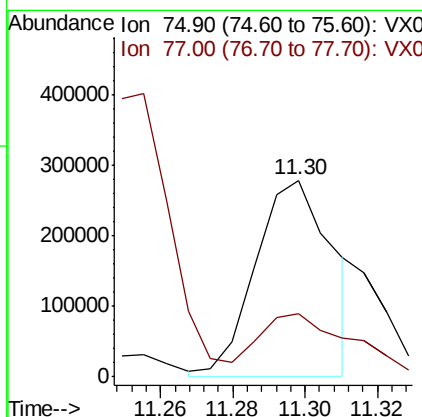
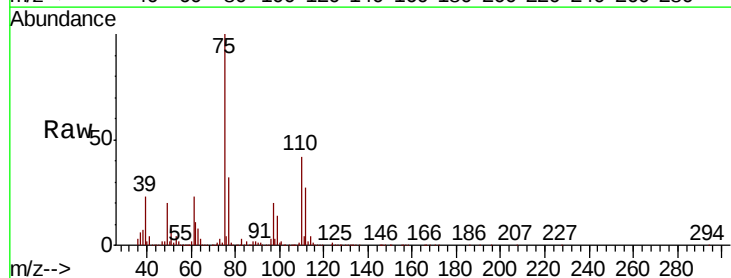
RT: 11.30 min Scan# 1664

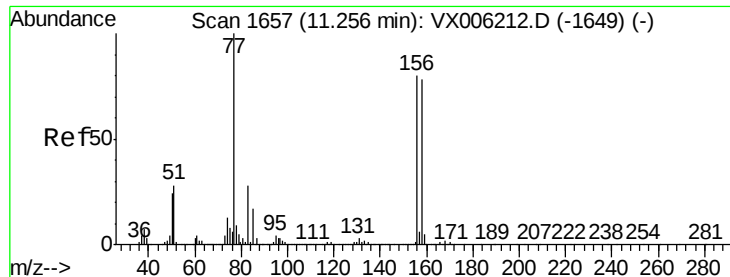
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	75	Resp:	410959
Ion Ratio	Lower	Upper	
75	100		
77	38.8	19.9	59.7





#77

Bromobenzene

Concen: 51.990 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 402075

Ion Ratio Lower Upper

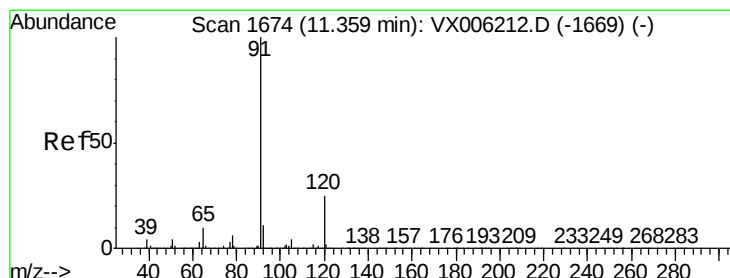
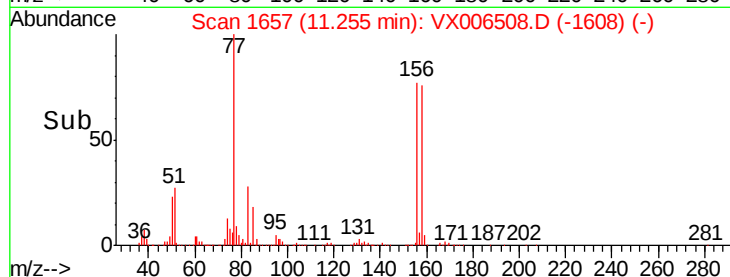
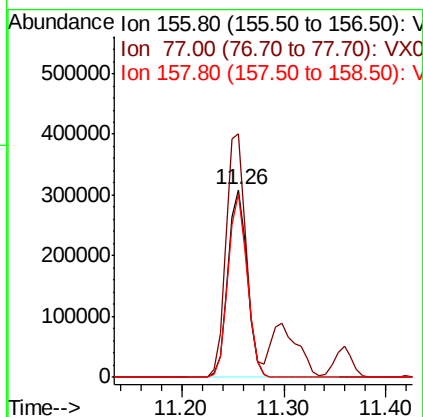
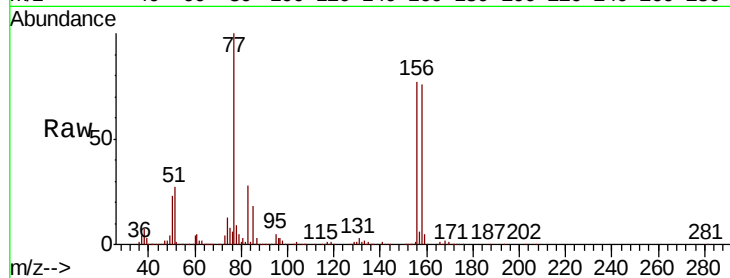
156 100

77 135.3 66.2 198.6

158 96.8 48.8 146.4

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#78

n-propylbenzene

Concen: 53.421 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006508.D

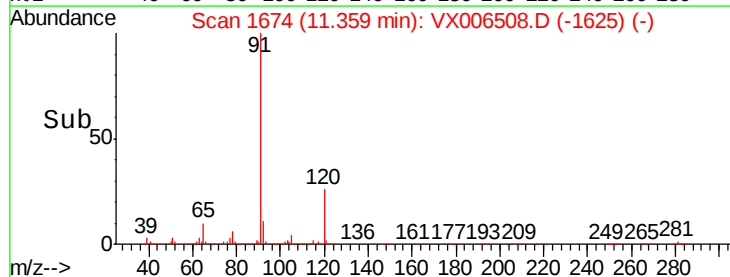
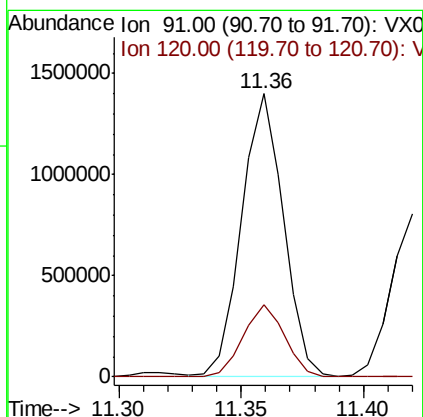
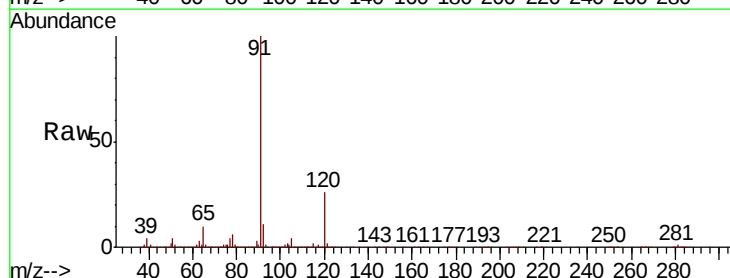
Acq: 13 Dec 2018 21:04

Tgt Ion: 91 Resp: 1654847

Ion Ratio Lower Upper

91 100

120 25.6 12.7 38.0





#79

2-Chlorotoluene

Concen: 53.058 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 976888

Ion Ratio Lower Upper

91 100

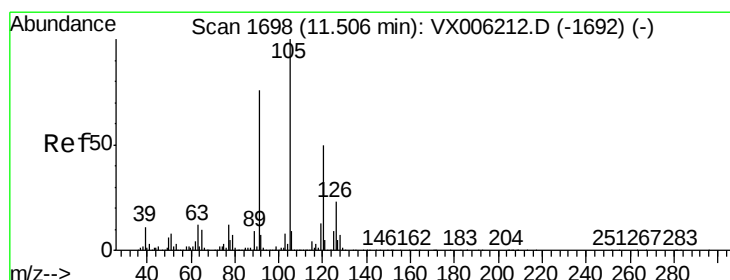
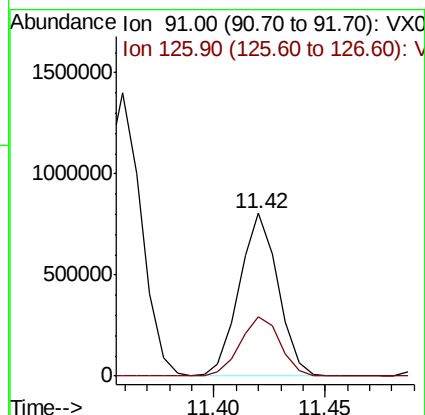
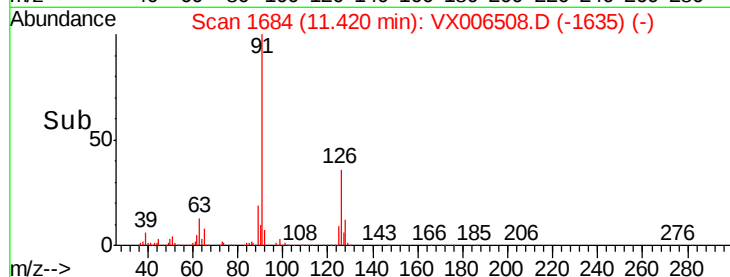
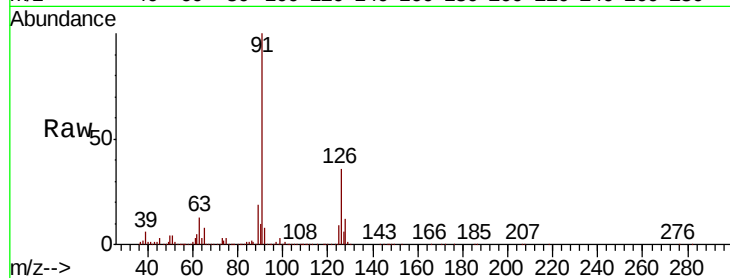
126 37.7 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:35:09 AM



#80

1,3,5-Trimethylbenzene

Concen: 53.140 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006508.D

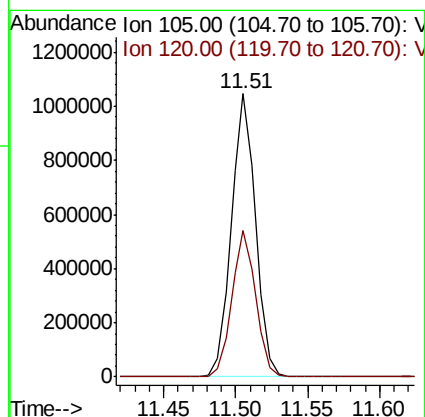
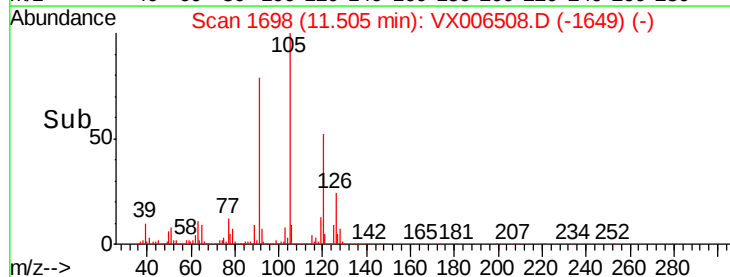
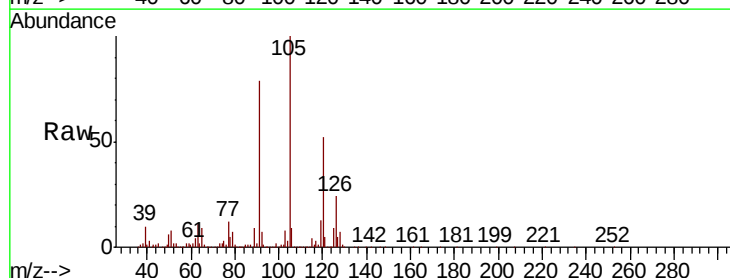
Acq: 13 Dec 2018 21:04

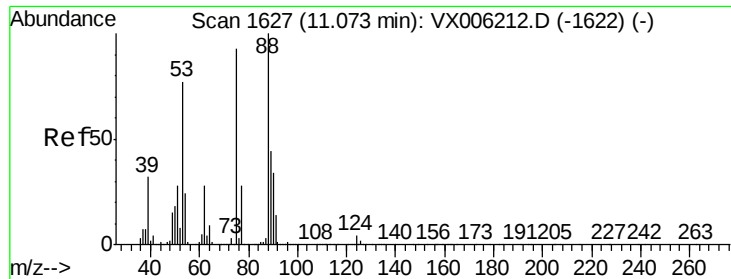
Tgt Ion: 105 Resp: 1232149

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 38.239 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

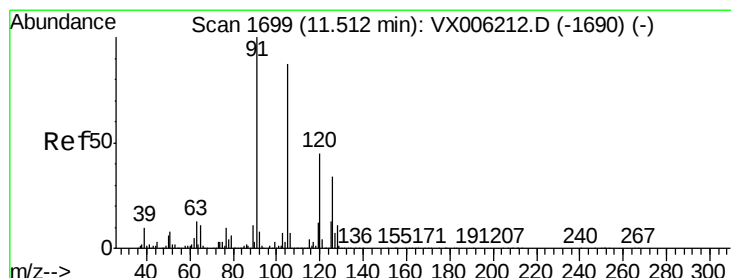
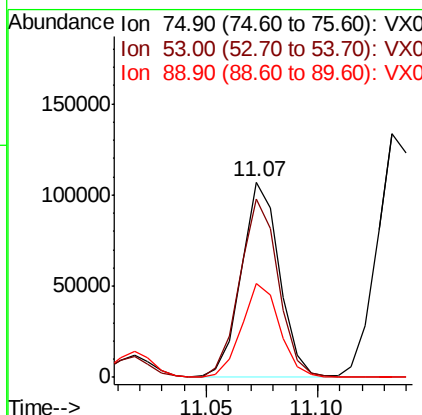
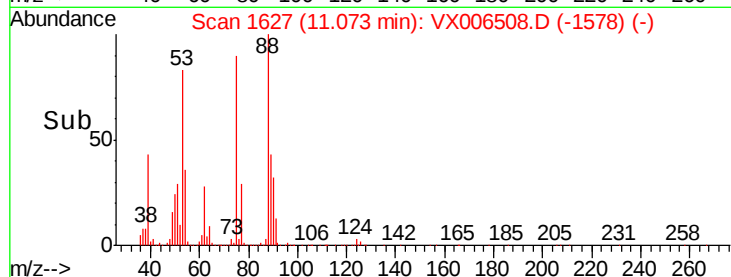
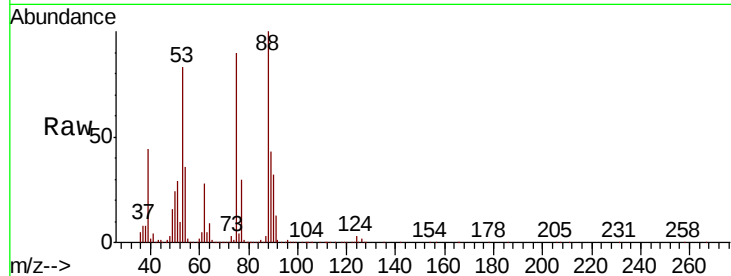
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	126917
Ion Ratio	Lower	Upper	
75	100		
53	92.5	64.4	96.6
89	48.7	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#82

4-Chlorotoluene

Concen: 52.846 ug/l

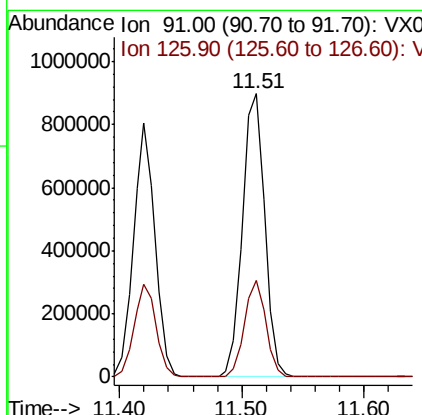
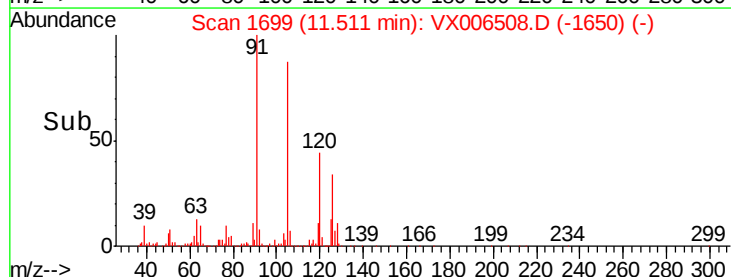
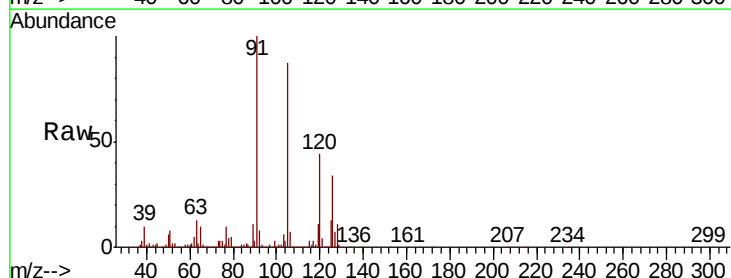
RT: 11.51 min Scan# 1699

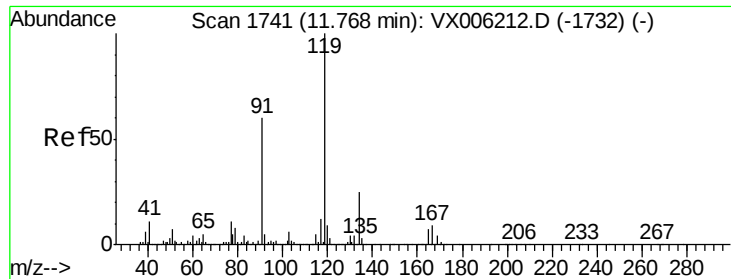
Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	91	Resp:	1131249
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.4	49.4





#83

tert-Butylbenzene

Concen: 52.168 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1290596

Ion Ratio Lower Upper

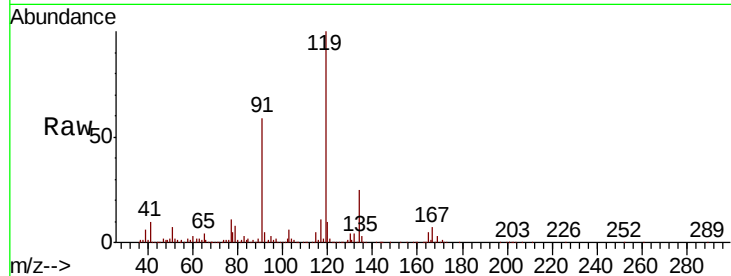
119 100

91 54.0 26.4 79.2

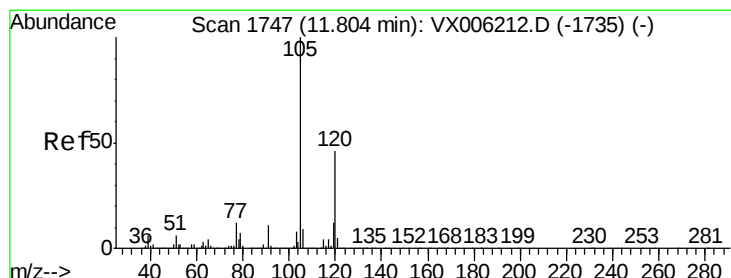
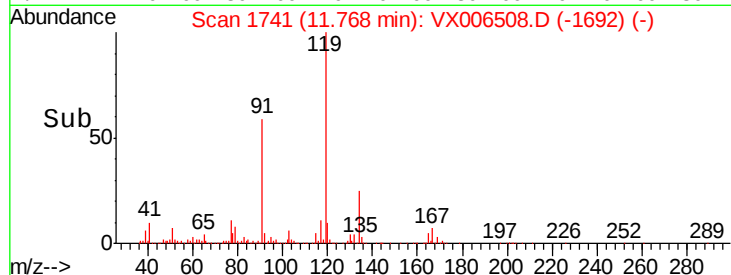
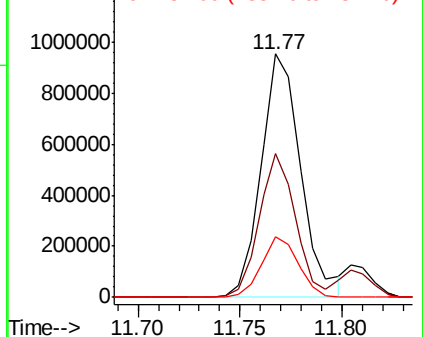
134 23.3 11.6 34.7

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.085 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006508.D

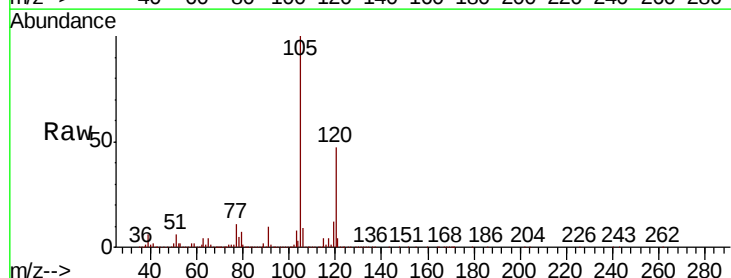
Acq: 13 Dec 2018 21:04

Tgt Ion:105 Resp: 1270969

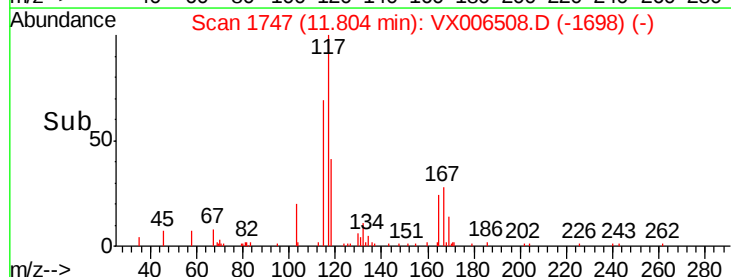
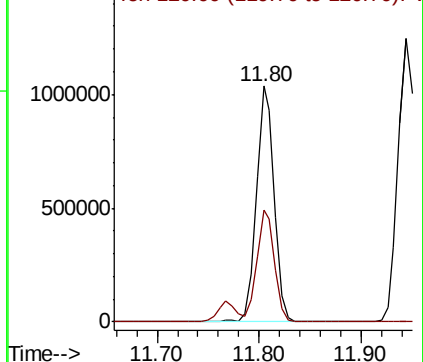
Ion Ratio Lower Upper

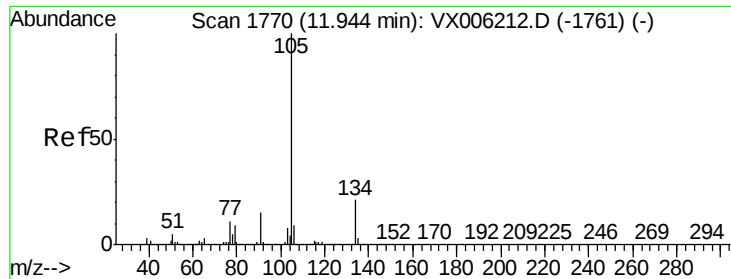
105 100

120 46.8 23.4 70.0



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





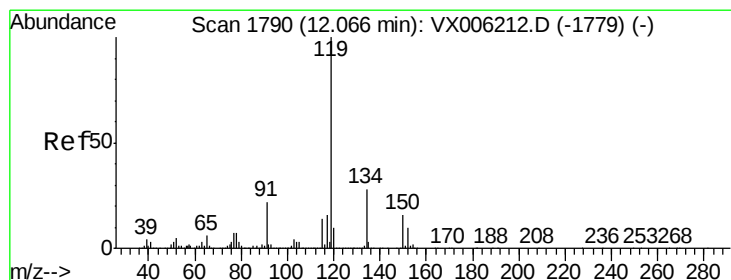
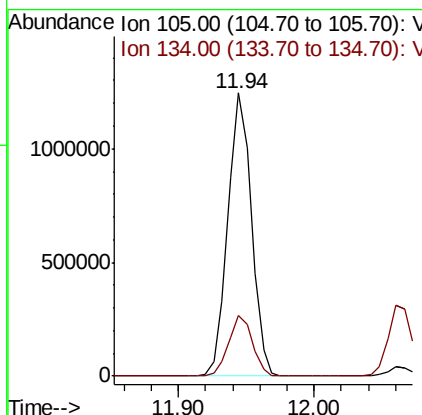
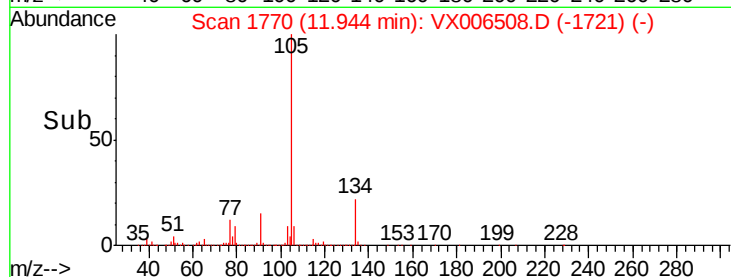
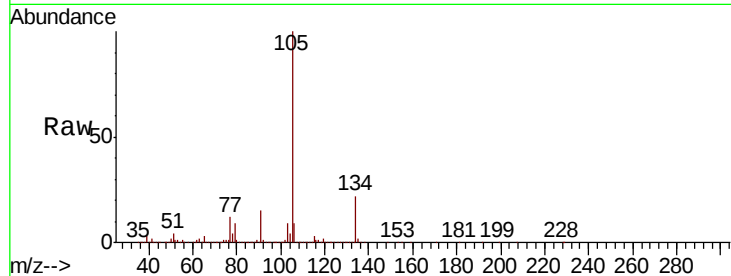
#85
 sec-Butylbenzene
 Concen: 53.533 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1506655
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.8 32.4

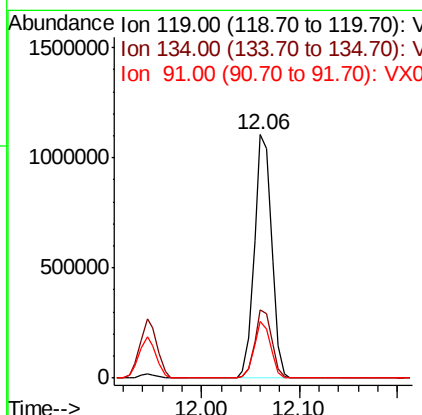
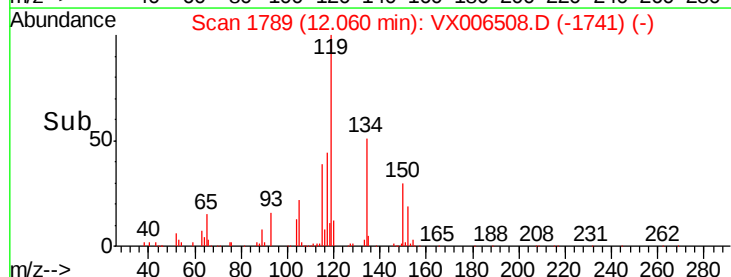
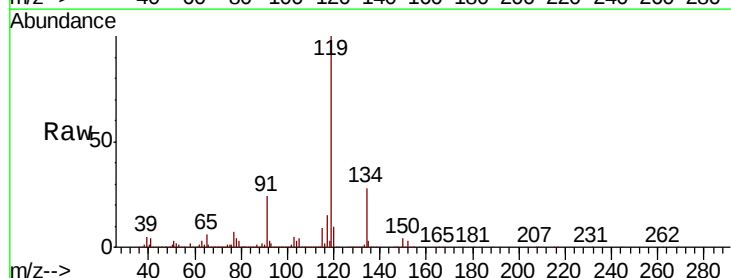
Manual Integrations
 APPROVED

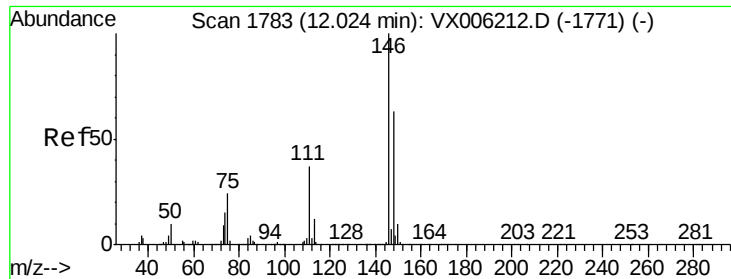
MMDadoda
 12/14/2018 9:35:09 AM



#86
 p-Isopropyltoluene
 Concen: 53.392 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Tgt Ion:119 Resp: 1353127
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.9 41.6
 91 22.4 11.3 33.8





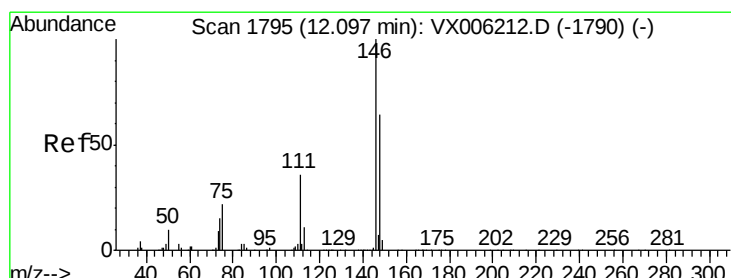
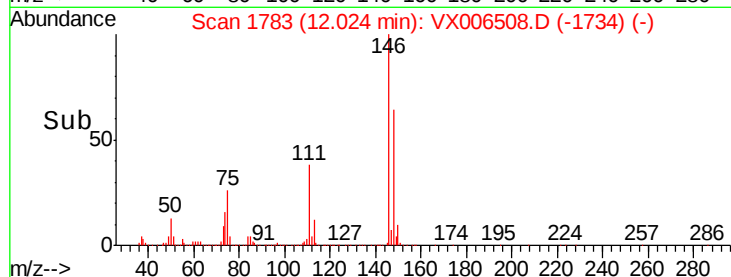
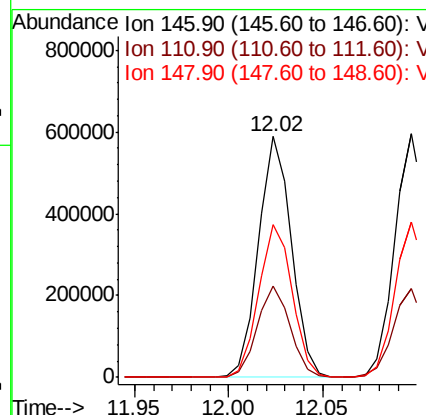
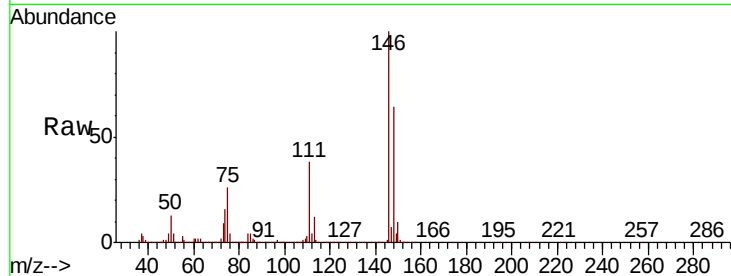
#87
 1,3-Dichlorobenzene
 Concen: 51.983 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	64.3	32.0	96.0

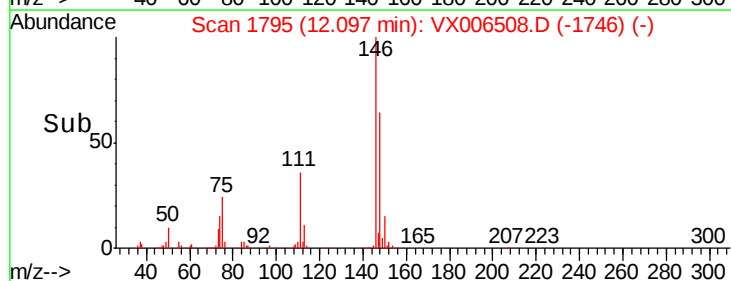
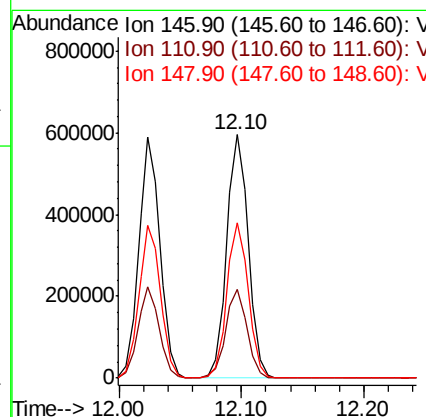
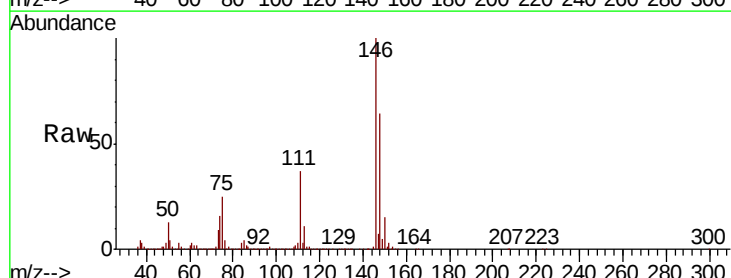
Manual Integrations
 APPROVED

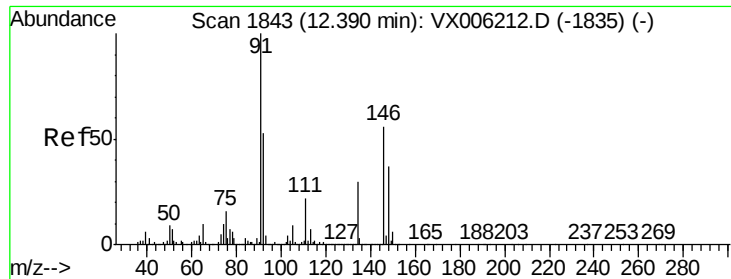
MMDadoda
 12/14/2018 9:35:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.870 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	63.7	31.9	95.9





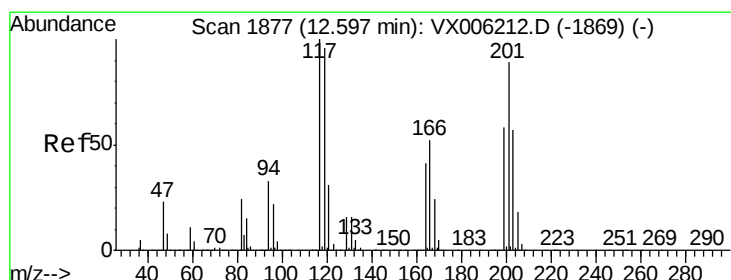
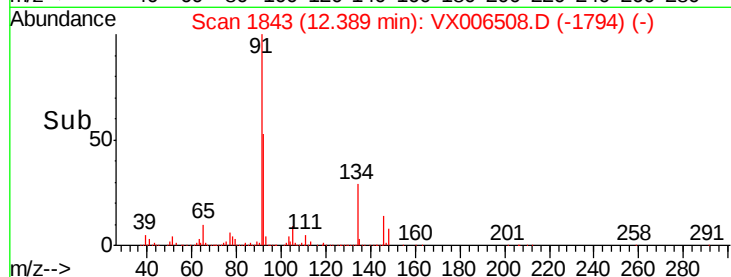
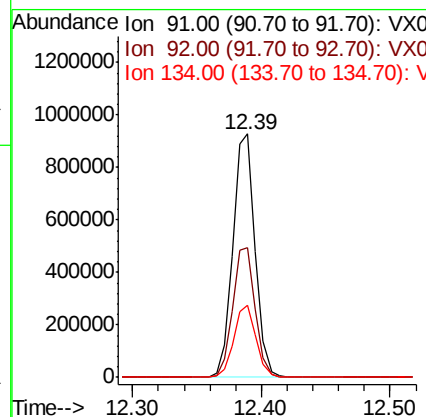
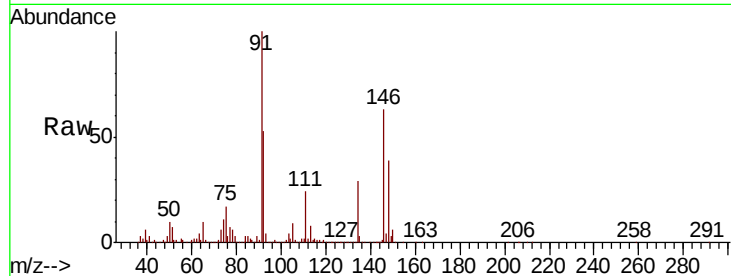
#89
n-Butylbenzene
Concen: 51.935 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1123029
Ion Ratio Lower Upper
91 100
92 54.0 26.6 79.8
134 29.3 14.8 44.3

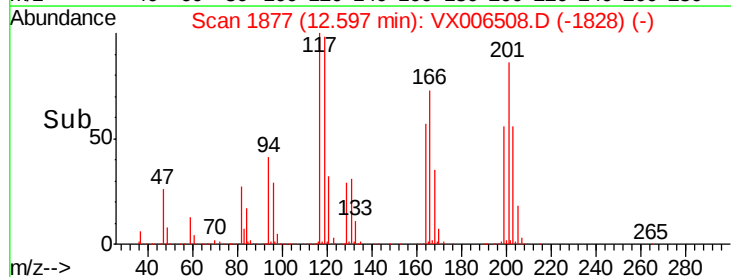
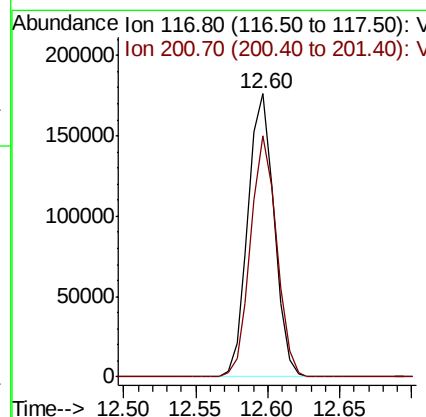
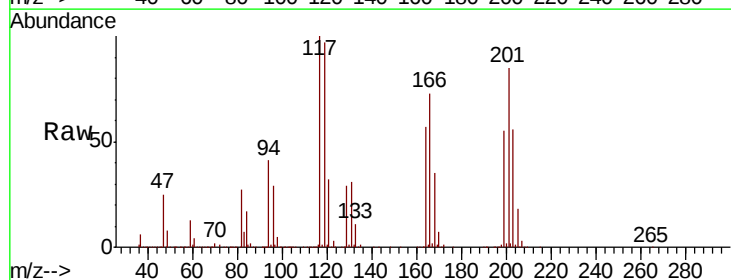
Manual Integrations
APPROVED

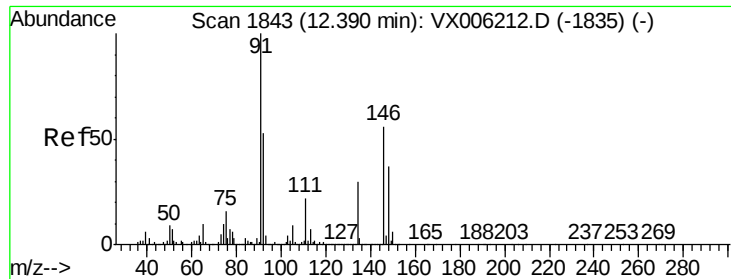
MMDadoda
12/14/2018 9:35:09 AM



#90
Hexachloroethane
Concen: 43.063 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006508.D
Acq: 13 Dec 2018 21:04

Tgt Ion: 117 Resp: 222430
Ion Ratio Lower Upper
117 100
201 84.5 44.7 134.1





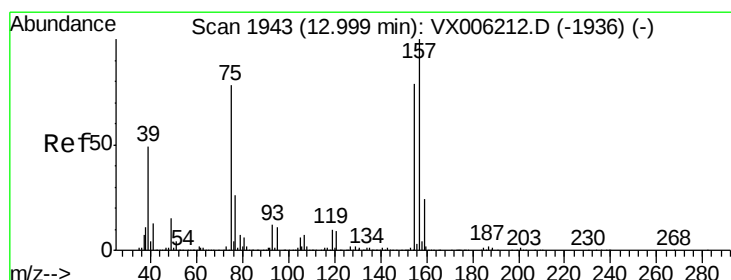
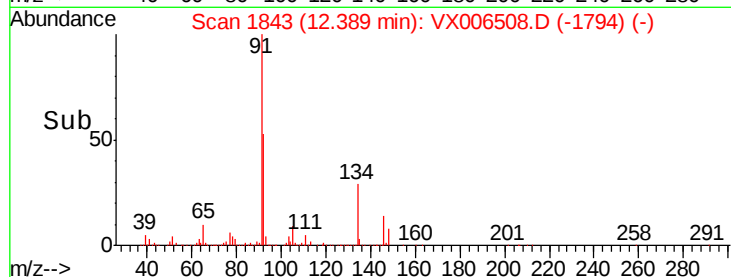
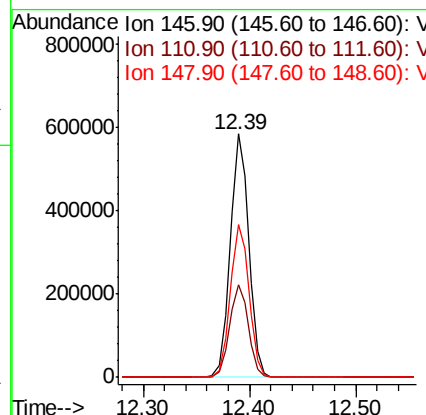
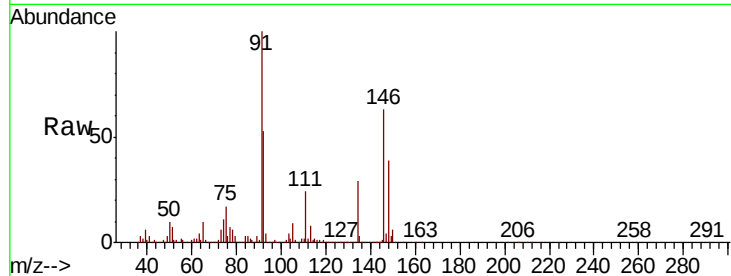
#91
 1,2-Dichlorobenzene
 Concen: 52.132 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	711985
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.3
148	63.6	32.1	96.3

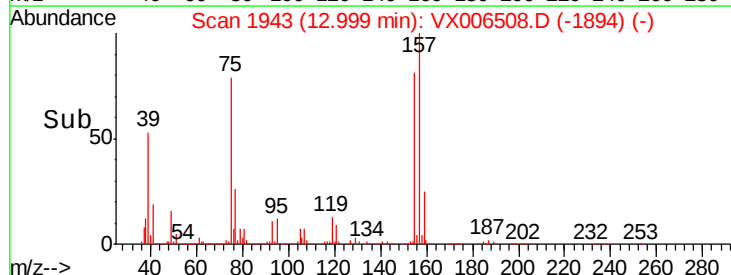
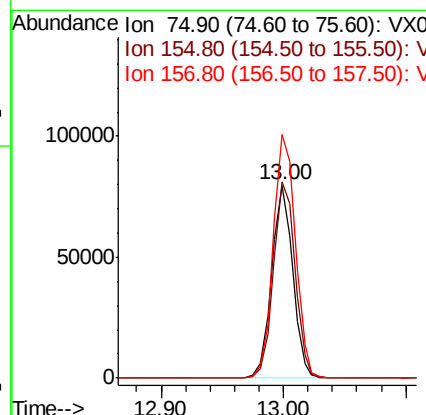
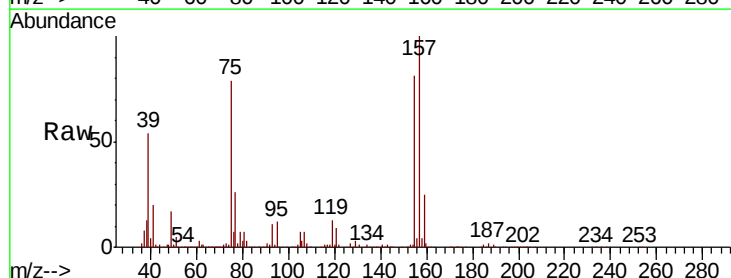
Manual Integrations
 APPROVED

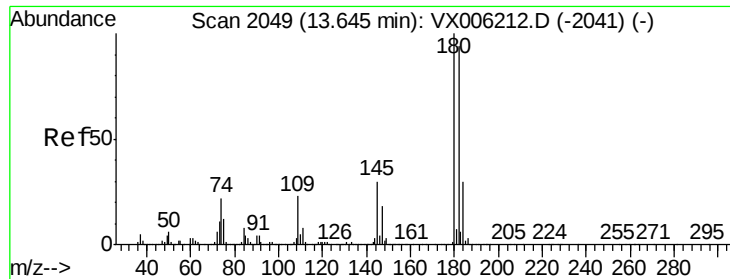
MMDadoda
 12/14/2018 9:35:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.750 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Tgt Ion:	75	Resp:	95416
Ion Ratio	Lower	Upper	
75	100		
155	105.0	53.4	160.3
157	132.4	68.0	203.8





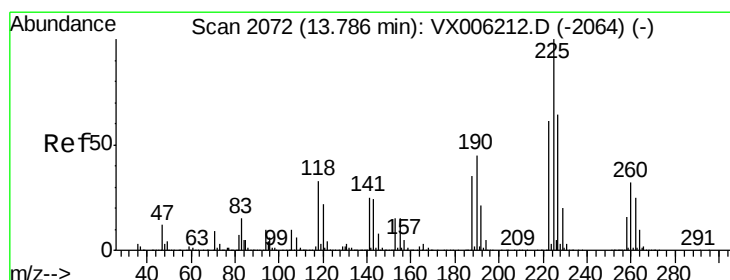
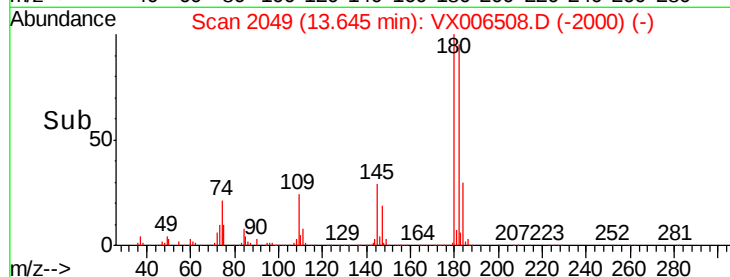
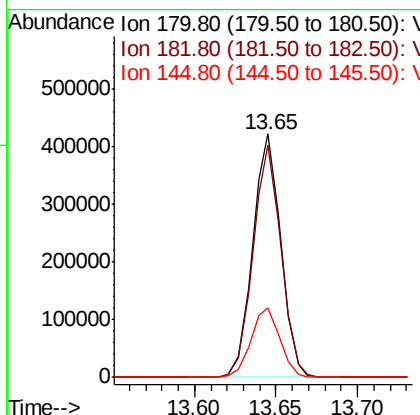
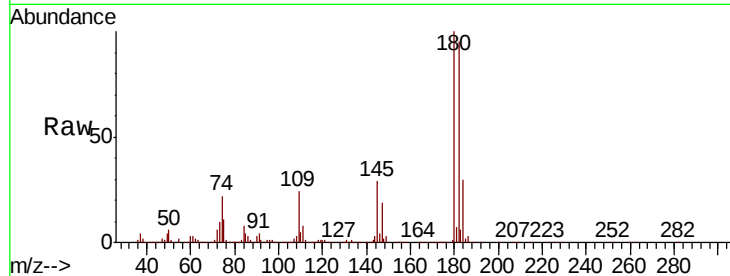
#93
 1,2,4-Trichlorobenzene
 Concen: 50.508 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	29.5	14.6	43.8

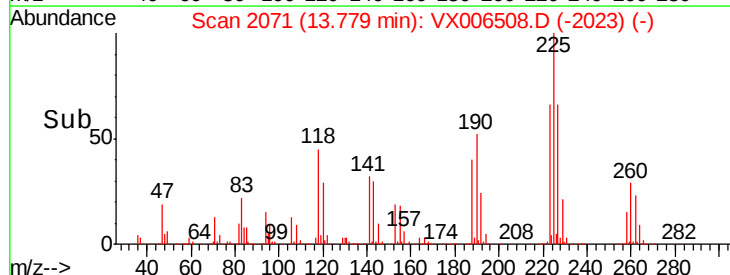
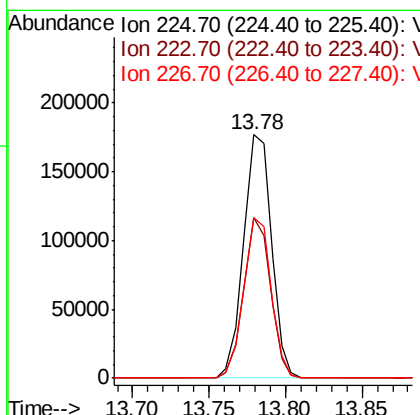
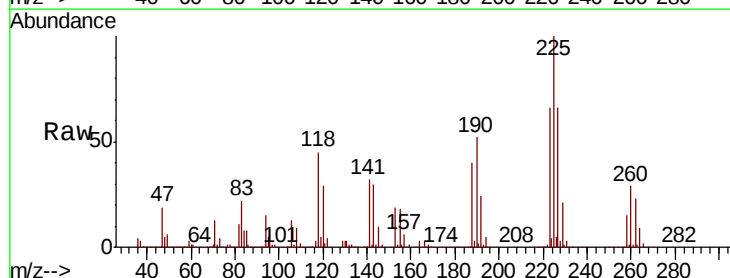
Manual Integrations
 APPROVED

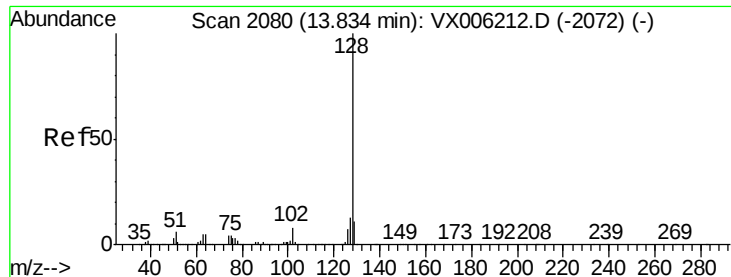
MMDadoda
 12/14/2018 9:35:09 AM



#94
 Hexachlorobutadiene
 Concen: 51.062 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006508.D
 Acq: 13 Dec 2018 21:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.2	93.6
227	64.5	31.9	95.5





#95

Naphthalene

Concen: 51.914 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Instrument :

MSVOA_X

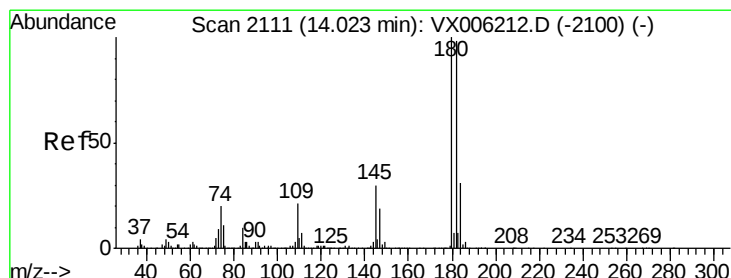
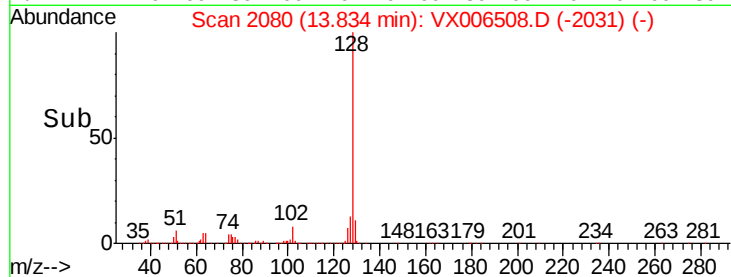
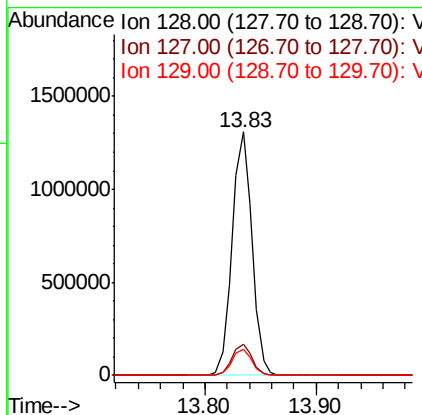
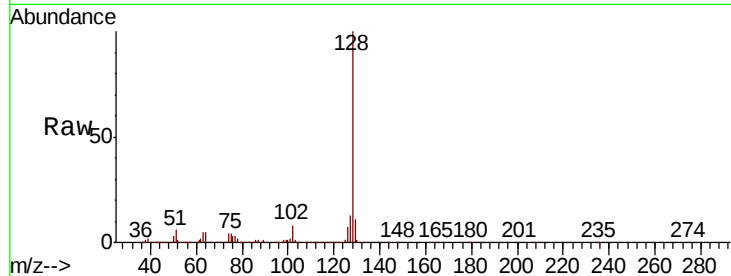
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1609025
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:35:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.669 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006508.D

Acq: 13 Dec 2018 21:04

Tgt Ion:	180	Resp:	509919
Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.2
145	31.4	15.6	46.8

