

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005915.D
 Acq On : 12 Nov 2018 21:47
 Operator : JC/MD
 Sample : J5912-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:10 PM

Quant Time: Nov 13 06:27:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	104260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	144564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	60497	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	48109	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	178351	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
62) 4-Bromofluorobenzene	11.14	95	66996	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43592	46.373	ug/l	99
3) Chloromethane	1.32	50	57899	46.933	ug/l	98
4) Vinyl Chloride	1.40	62	60020	48.463	ug/l	96
5) Bromomethane	1.64	94	35410	46.721	ug/l	100
6) Chloroethane	1.71	64	36132	48.896	ug/l	99
7) Trichlorofluoromethane	1.93	101	82033	49.901	ug/l	100
8) Diethyl Ether	2.19	74	33124	51.422	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	45284	47.895	ug/l	99
10) Methyl Iodide	2.51	142	61483	53.655	ug/l	99
11) Tert butyl alcohol	3.07	59	81357	236.945	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44567	48.361	ug/l	95
13) Acrolein	2.29	56	62294	370.495	ug/l	100
14) Allyl chloride	2.73	41	101174	49.157	ug/l	99
15) Acrylonitrile	3.15	53	180785	254.065	ug/l	96
16) Acetone	2.45	43	156699	242.809	ug/l	100
17) Carbon Disulfide	2.57	76	132109	48.061	ug/l	98
18) Methyl Acetate	2.78	43	91909	53.239	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	167894	53.380	ug/l #	90
20) Methylene Chloride	2.85	84	53288	50.267	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	48582	49.982	ug/l	97
22) Diisopropyl ether	3.87	45	176634	48.990	ug/l #	90
23) Vinyl Acetate	3.82	43	770575	249.265	ug/l	100
24) 1,1-Dichloroethane	3.70	63	97095	50.476	ug/l	99
25) 2-Butanone	4.70	43	239357	235.911	ug/l	97
26) 2,2-Dichloropropane	4.58	77	62991	44.641	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	53377	49.733	ug/l	99
28) Bromochloromethane	5.02	49	45677	53.132	ug/l	99
29) Tetrahydrofuran	5.15	42	156958	240.935	ug/l	99
30) Chloroform	5.21	83	92701	49.951	ug/l	87
31) Cyclohexane	5.57	56	78182	46.822	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	77167	49.851	ug/l	99
36) 1,1-Dichloropropene	5.80	75	64384	46.199	ug/l	99
37) Ethyl Acetate	4.85	43	86909	47.422	ug/l	98
38) Carbon Tetrachloride	5.78	117	67633	48.476	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005915.D
 Acq On : 12 Nov 2018 21:47
 Operator : JC/MD
 Sample : J5912-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:10 PM

Quant Time: Nov 13 06:27:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72566	51.375	ug/l	99
40) Benzene	6.15	78	201491	49.595	ug/l	97
41) Methacrylonitrile	5.06	41	50329	50.824	ug/l	99
42) 1,2-Dichloroethane	6.20	62	72090	49.540	ug/l	100
43) Isopropyl Acetate	6.46	43	130135	49.005	ug/l	97
44) Trichloroethene	7.21	130	52875	51.248	ug/l	98
45) 1,2-Dichloropropane	7.52	63	52254	52.990	ug/l	100
46) Dibromomethane	7.66	93	34337	55.491	ug/l	99
47) Bromodichloromethane	7.90	83	66718	57.052	ug/l	100
48) Methyl methacrylate	7.77	41	68953	57.827	ug/l	99
49) 1,4-Dioxane	7.75	88	28122	1094.487	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	462813	276.533	ug/l	100
52) Toluene	8.79	92	121325	53.432	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	73856	53.518	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	76572	54.438	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	50687	50.088	ug/l	98
56) Ethyl methacrylate	9.18	69	81158	53.600	ug/l	99
57) 1,3-Dichloropropane	9.37	76	85839	50.476	ug/l	99
59) 2-Hexanone	9.50	43	365433	247.713	ug/l	99
60) Dibromochloromethane	9.59	129	54403	49.744	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53269	47.604	ug/l	100
64) Tetrachloroethene	9.34	164	53999	46.967	ug/l	98
65) Chlorobenzene	10.14	112	139356	51.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	50723	53.932	ug/l	100
67) Ethyl Benzene	10.25	91	236405	54.497	ug/l	100
68) m/p-Xylenes	10.36	106	182543	110.321	ug/l	99
69) o-Xylene	10.70	106	87112	58.712	ug/l	98
70) Styrene	10.71	104	146672	59.925	ug/l	99
71) Bromoform	10.86	173	45188	57.316	ug/l #	99
73) Isopropylbenzene	11.02	105	240217	54.912	ug/l	99
74) N-amyl acetate	10.90	43	120470	49.103	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	83450	51.972	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80834m	52.478	ug/l	
77) Bromobenzene	11.26	156	63752	51.704	ug/l	100
78) n-propylbenzene	11.36	91	276400	53.612	ug/l	99
79) 2-Chlorotoluene	11.42	91	164242	52.706	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	206162	55.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24328	50.338	ug/l	98
82) 4-Chlorotoluene	11.51	91	195794	53.313	ug/l	100
83) tert-Butylbenzene	11.77	119	204384	54.345	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	211209	51.486	ug/l	100
85) sec-Butylbenzene	11.94	105	243497	52.946	ug/l	100
86) p-Isopropyltoluene	12.07	119	218412	53.615	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	119285	50.409	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	124702	51.478	ug/l	100
89) n-Butylbenzene	12.39	91	190974	50.582	ug/l	100
90) Hexachloroethane	12.60	117	35896	52.778	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	134468	56.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20845	53.200	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	88391	52.967	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
Data File : VX005915.D
Acq On : 12 Nov 2018 21:47
Operator : JC/MD
Sample : J5912-03MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

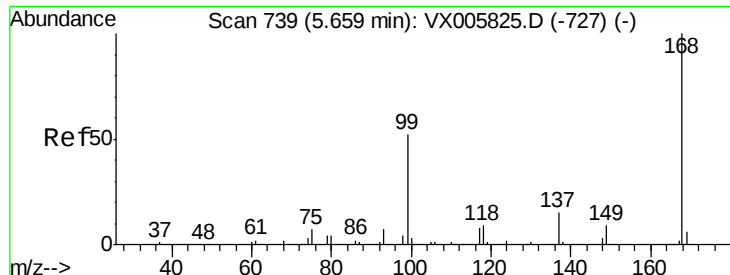
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM

Quant Time: Nov 13 06:27:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	42470	48.448	ug/l	99
95) Naphthalene	13.83	128	279968	51.409	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	90742	53.373	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion:168 Resp: 104260

Ion Ratio Lower Upper

168 100

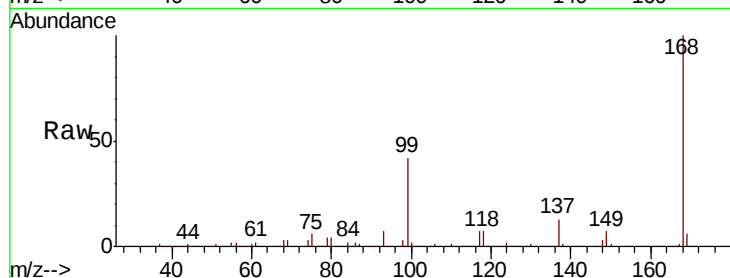
99 42.5 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

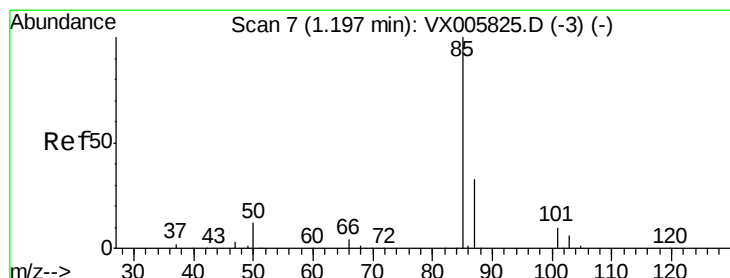
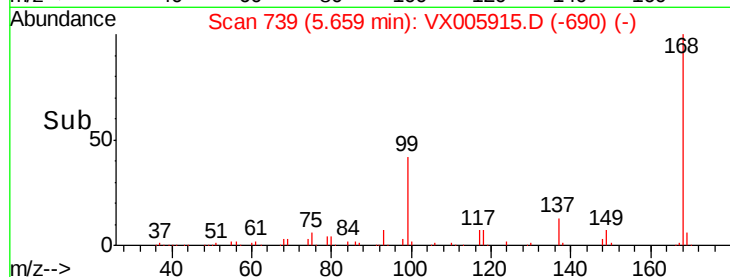
20000

10000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.373 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005915.D

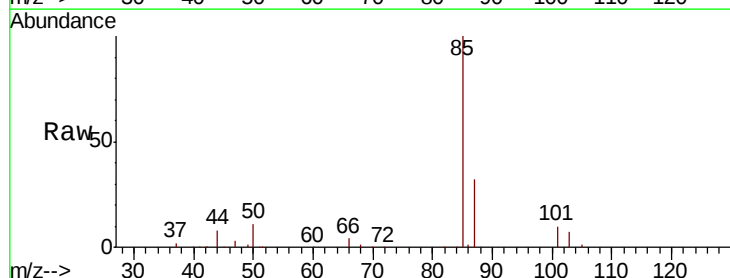
Acq: 12 Nov 2018 21:47

Tgt Ion: 85 Resp: 43592

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

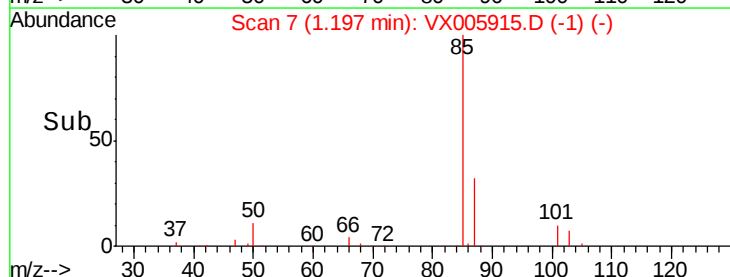
20000

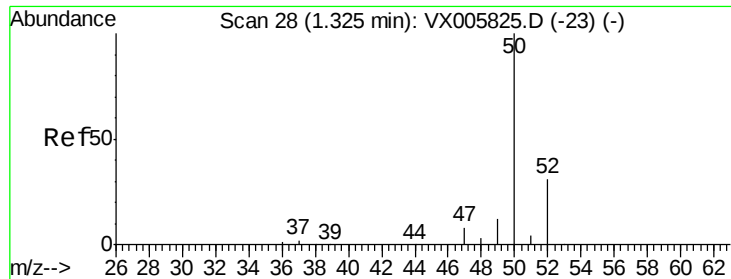
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.933 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 50 Resp: 57899

Ion Ratio Lower Upper

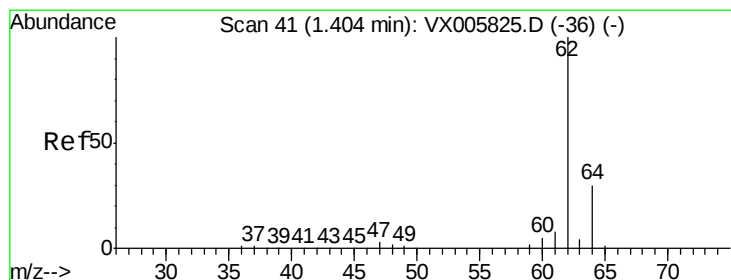
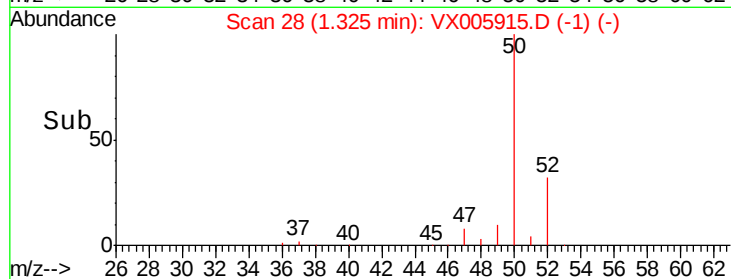
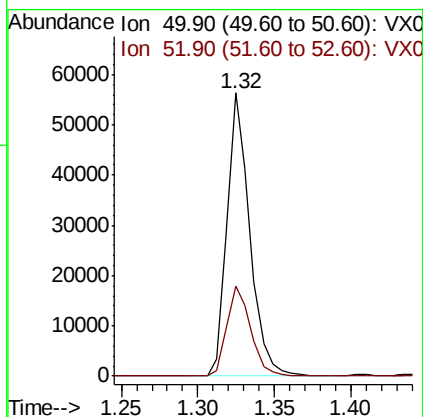
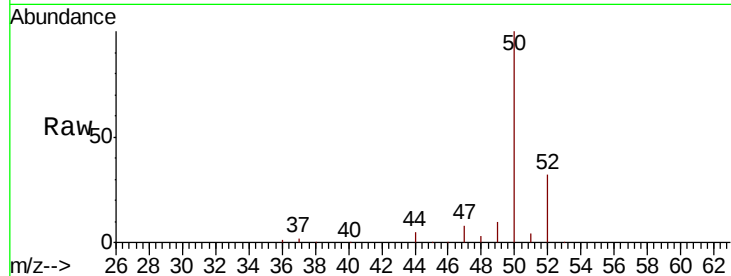
50 100

52 31.8 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#4

Vinyl Chloride

Concen: 48.463 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005915.D

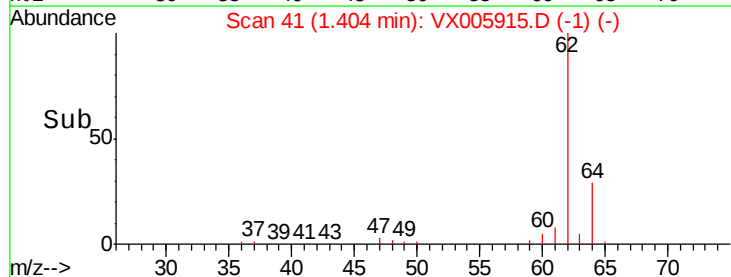
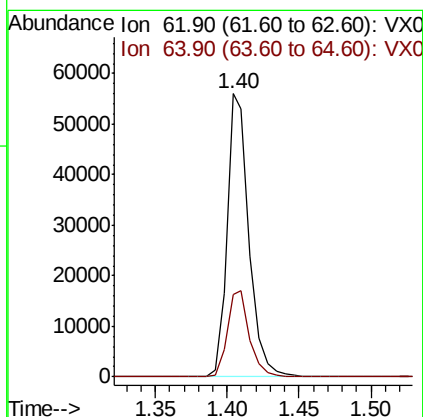
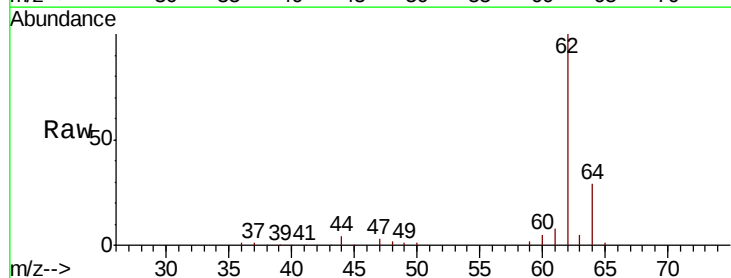
Acq: 12 Nov 2018 21:47

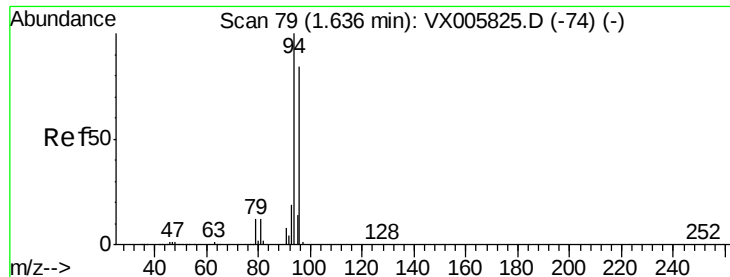
Tgt Ion: 62 Resp: 60020

Ion Ratio Lower Upper

62 100

64 29.3 25.3 37.9





#5

Bromomethane

Concen: 46.721 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 94 Resp: 35410

Ion Ratio Lower Upper

94 100

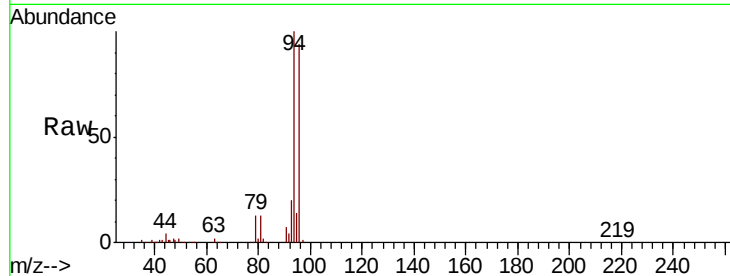
96 94.4 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

40000

30000

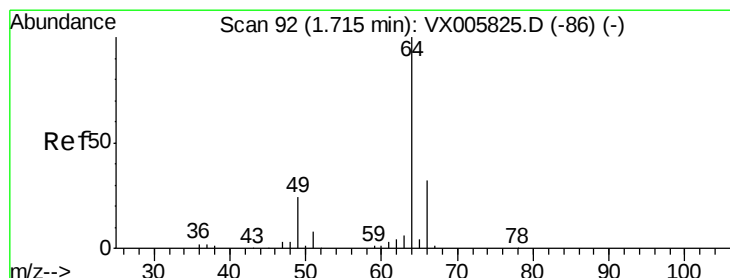
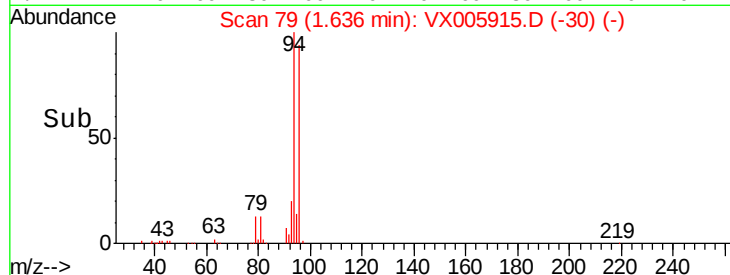
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 48.896 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005915.D

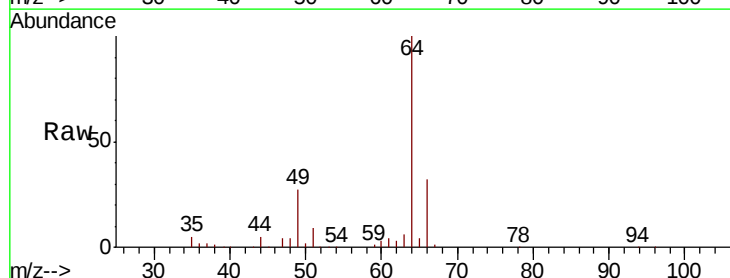
Acq: 12 Nov 2018 21:47

Tgt Ion: 64 Resp: 36132

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

25000

20000

15000

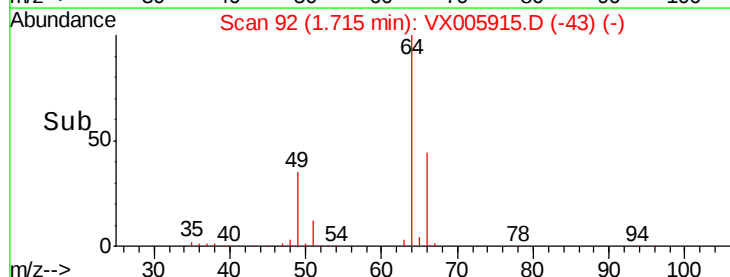
10000

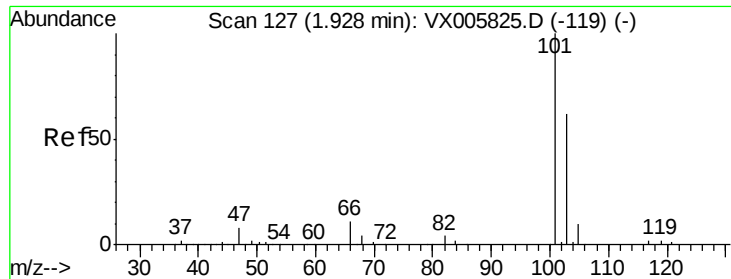
5000

0

1.65 1.70 1.75 1.80 1.85

Time-->





#7

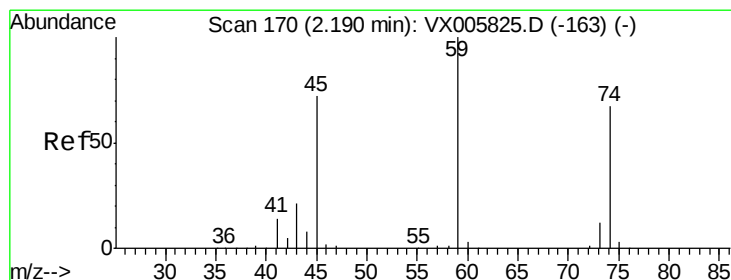
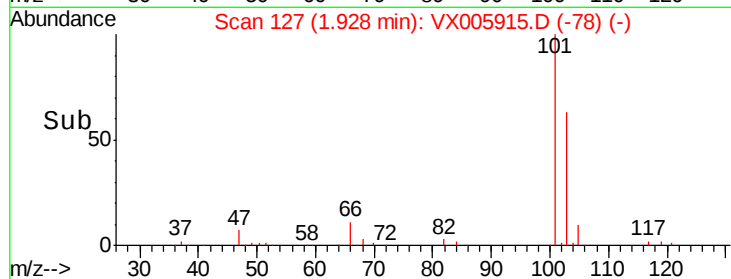
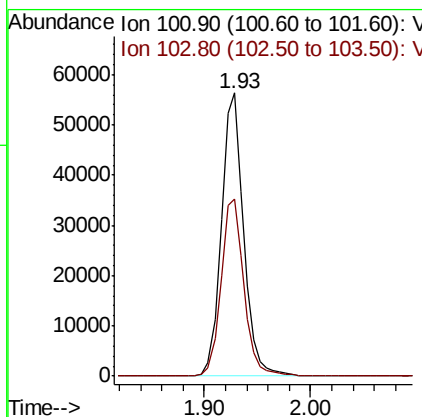
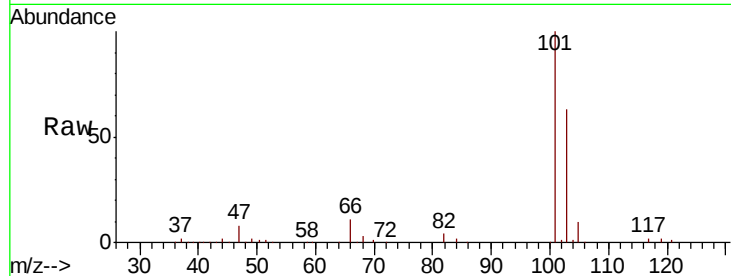
Trichlorofluoromethane
Concen: 49.901 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion:101 Resp: 82033
Ion Ratio Lower Upper
101 100
103 62.6 50.0 75.0

Manual Integrations
APPROVED

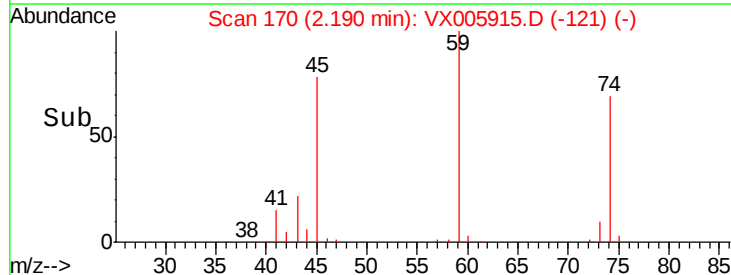
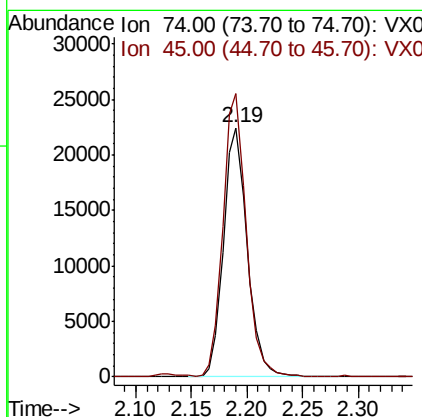
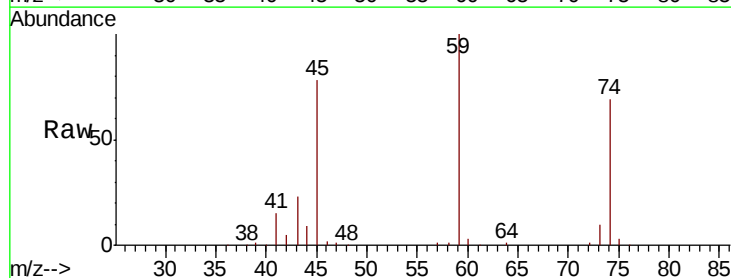
MMDadoda
11/13/2018 12:19:10 PM

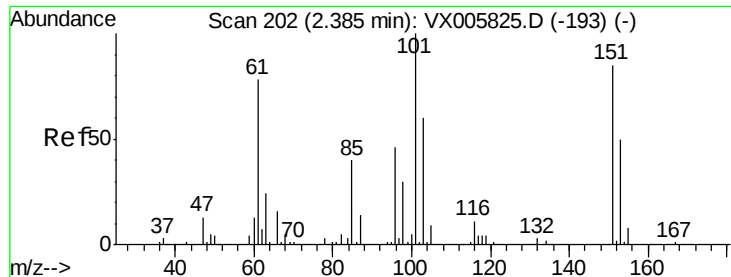


#8

Diethyl Ether
Concen: 51.422 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion: 74 Resp: 33124
Ion Ratio Lower Upper
74 100
45 112.1 54.1 162.3





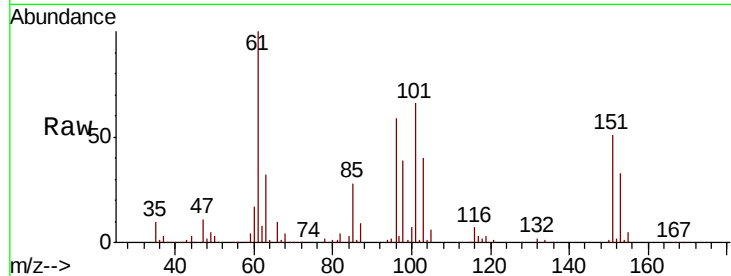
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.895 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.0	52.4
151	83.7	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM

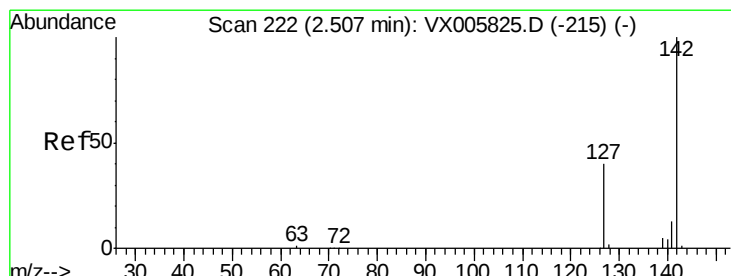
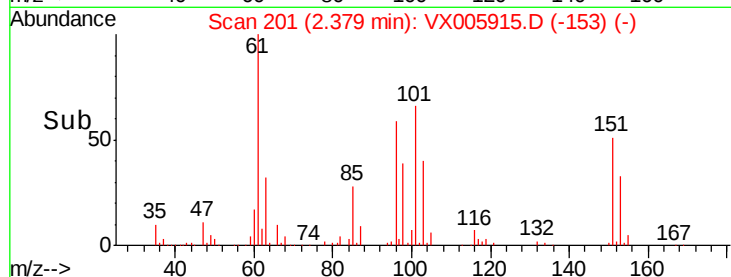
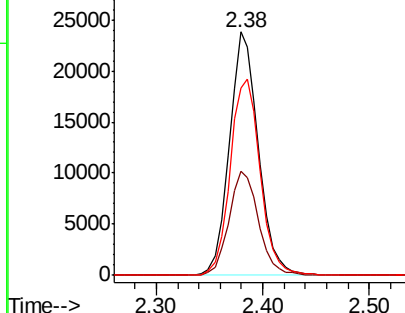


Abundance

Ion 100.90 (100.60 to 101.60): V

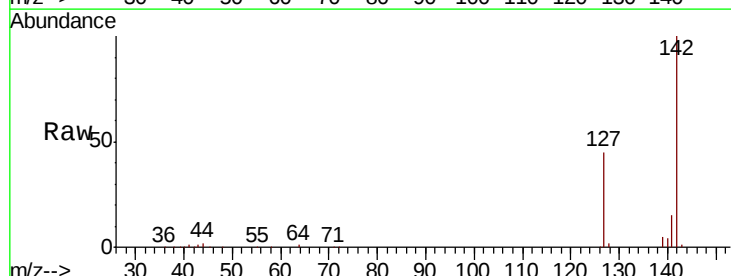
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 53.655 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.5	36.0	54.0
141	14.4	11.7	17.5

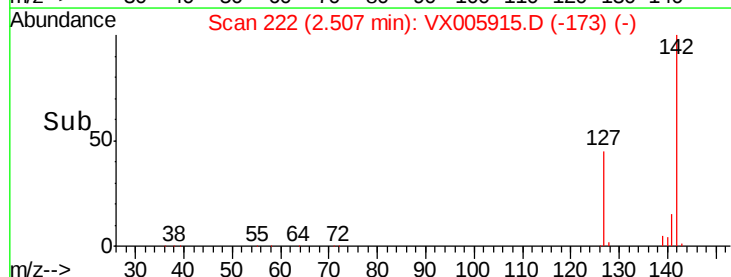
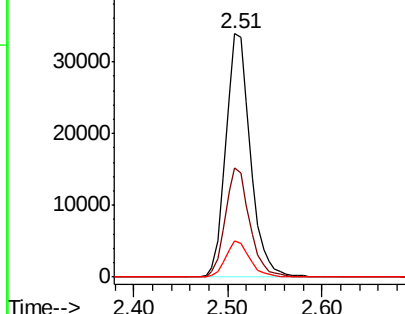


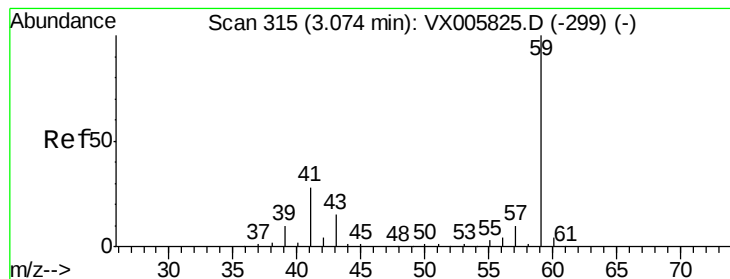
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

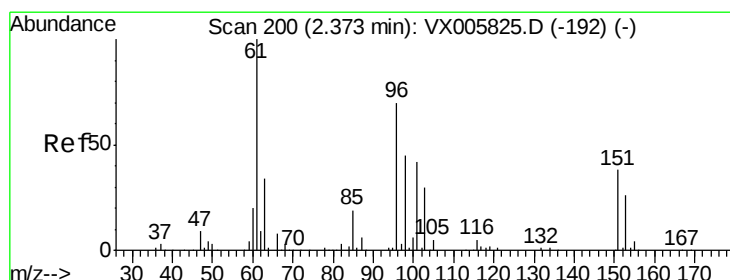
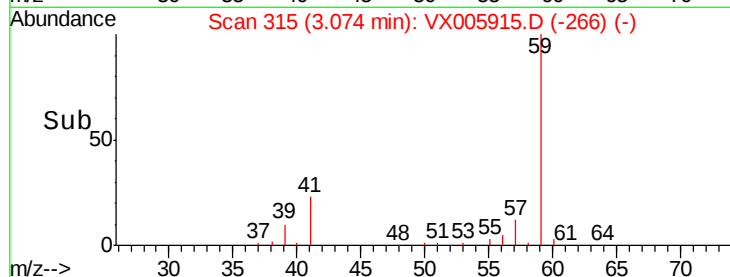
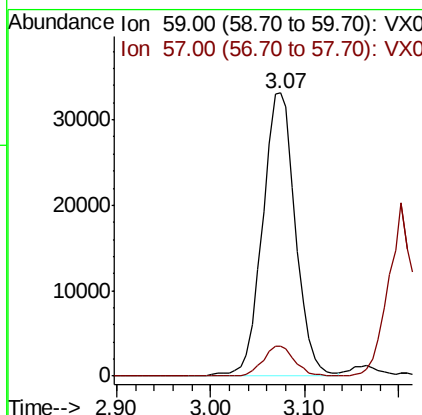
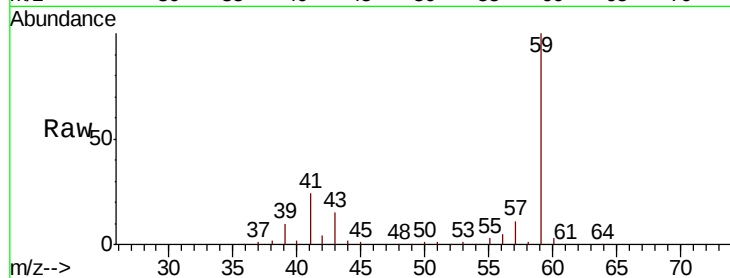
Tert butyl alcohol
 Concen: 236.945 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion	59	Resp	81357
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

Manual Integrations
 APPROVED

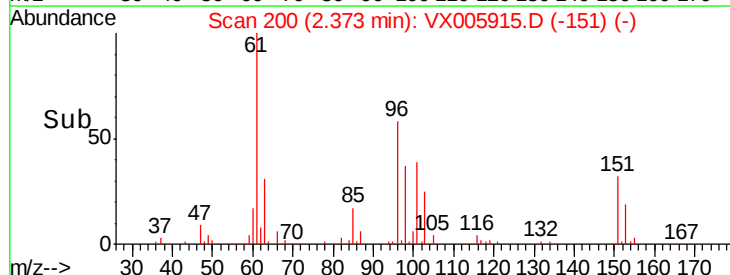
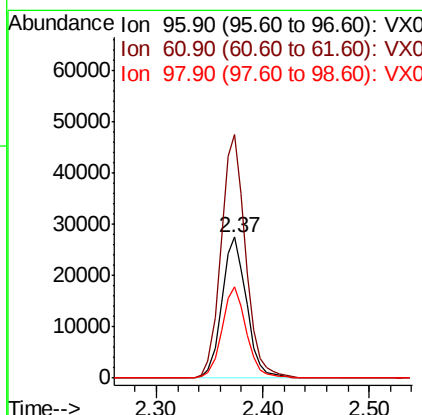
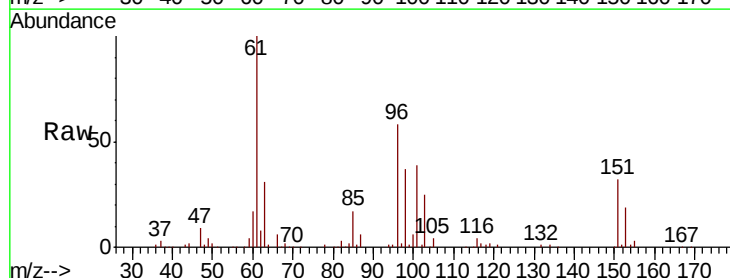
MMDadoda
 11/13/2018 12:19:10 PM

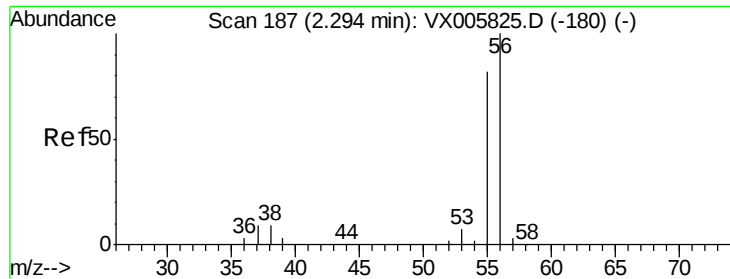


#12

1,1-Dichloroethene
 Concen: 48.361 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion	96	Resp	44567
Ion Ratio	100	Lower	Upper
61	172.7	131.8	197.8
98	64.3	53.4	80.2





#13

Acrolein

Concen: 370.495 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 56 Resp: 62294

Ion Ratio Lower Upper

56 100

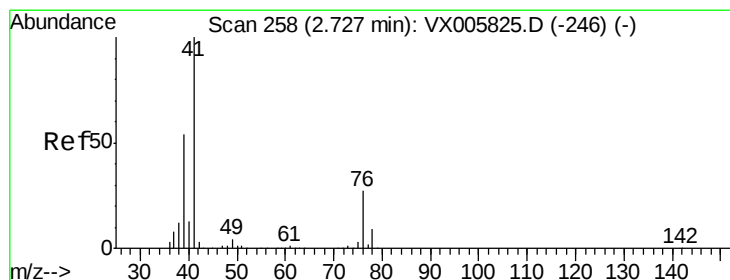
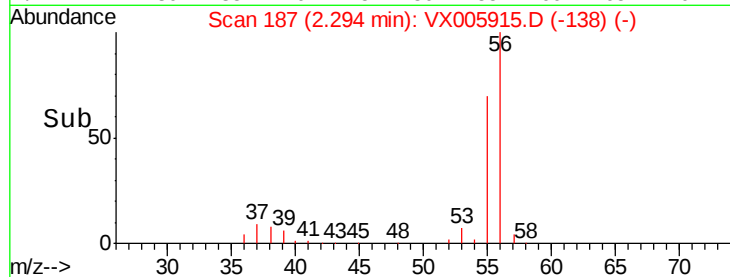
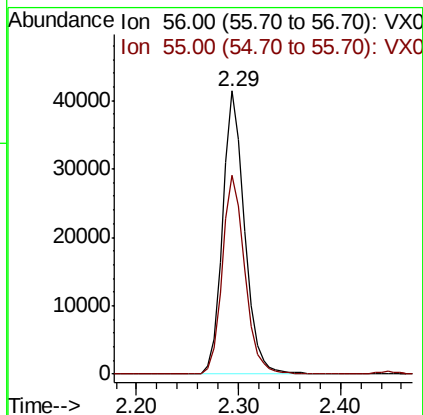
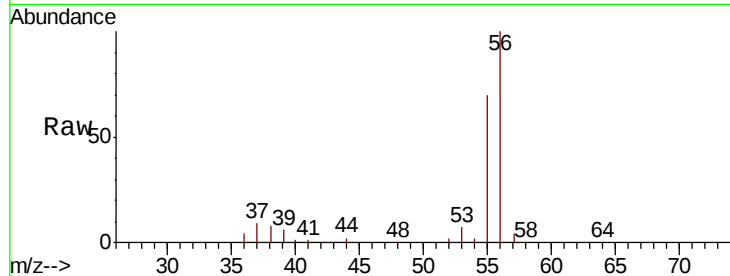
55 71.9 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#14

Allyl chloride

Concen: 49.157 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

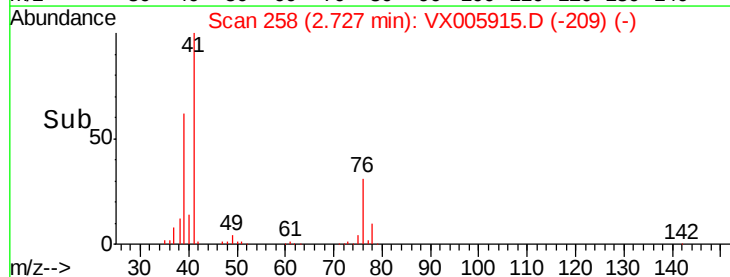
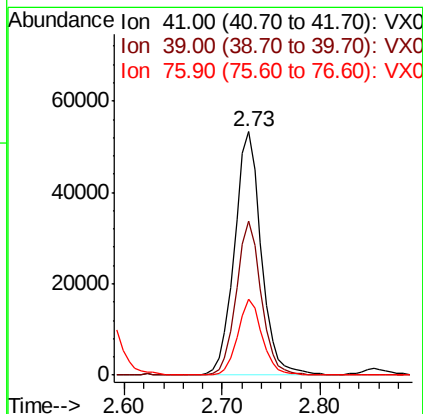
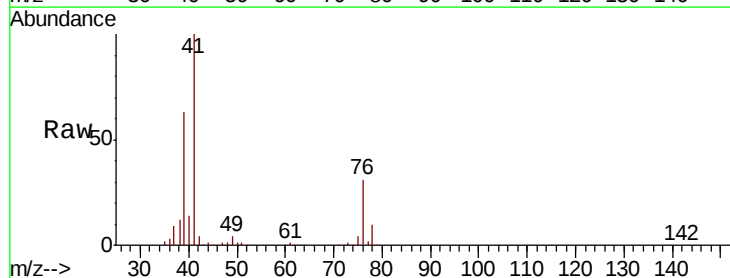
Tgt Ion: 41 Resp: 101174

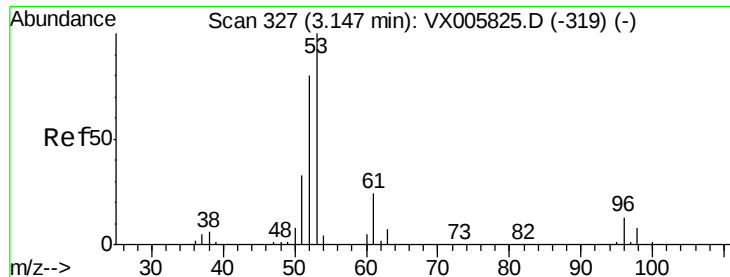
Ion Ratio Lower Upper

41 100

39 59.4 48.2 72.4

76 28.6 21.9 32.9





#15

Acrylonitrile

Concen: 254.065 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

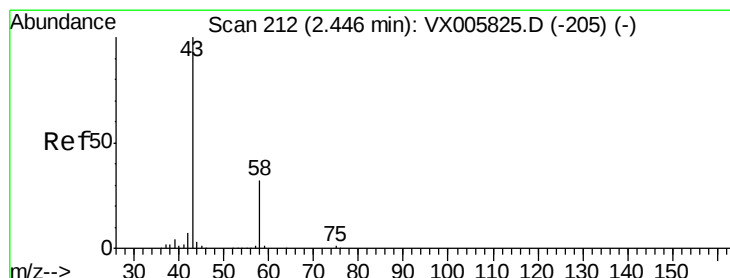
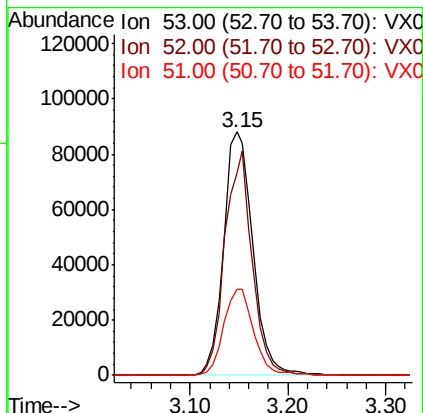
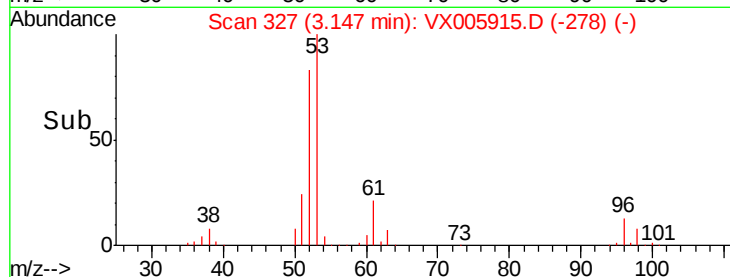
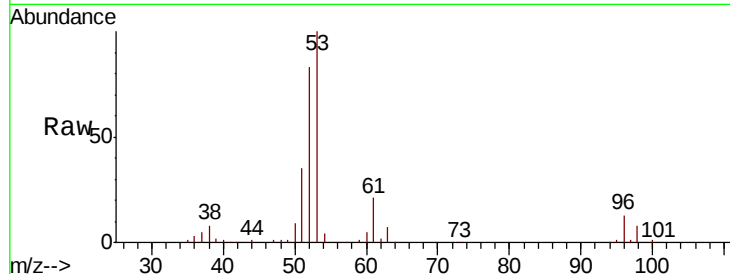
ClientSampleId :

SS003MW273-181108MS

Tot Ion:	53	Resp:	180785
Ion Ratio		Lower	Upper
53	100		
52	86.7	66.6	99.8
51	37.1	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



#16

Acetone

Concen: 242.809 ug/l

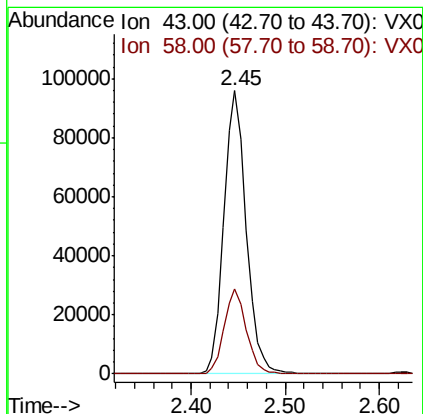
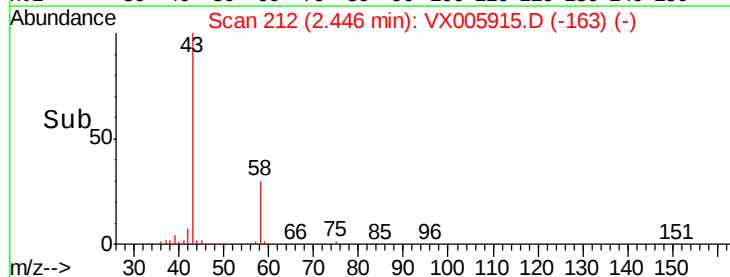
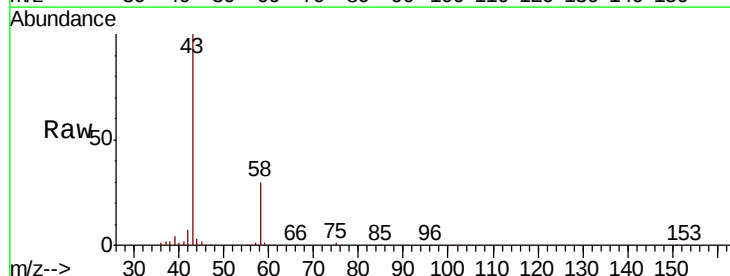
RT: 2.45 min Scan# 212

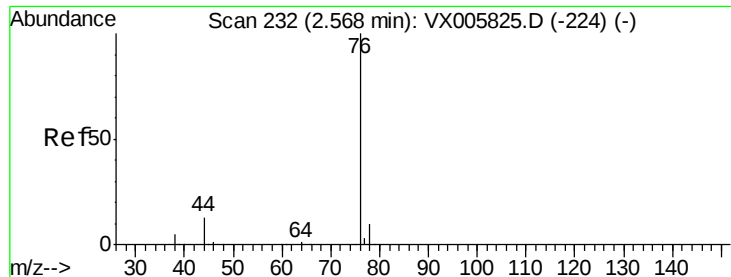
Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Tgt Ion:	43	Resp:	156699
Ion Ratio		Lower	Upper
43	100		
58	29.9	23.8	35.6





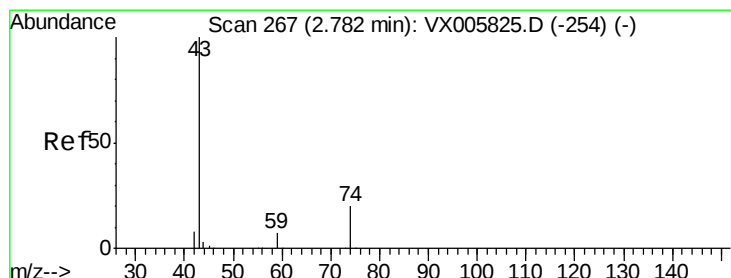
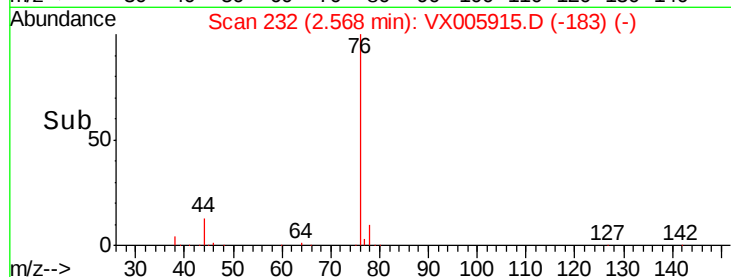
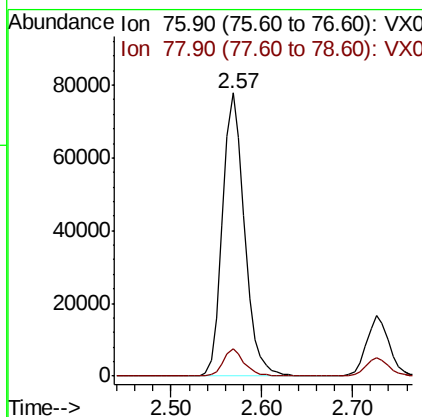
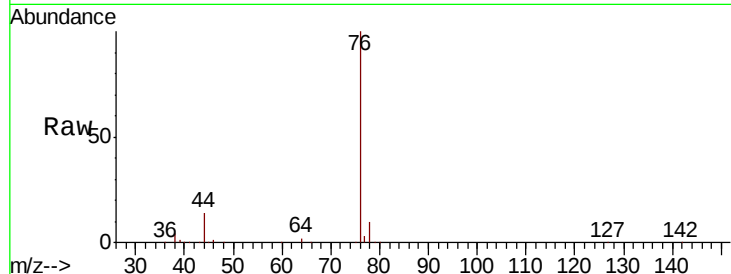
#17
Carbon Disulfide
Concen: 48.061 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

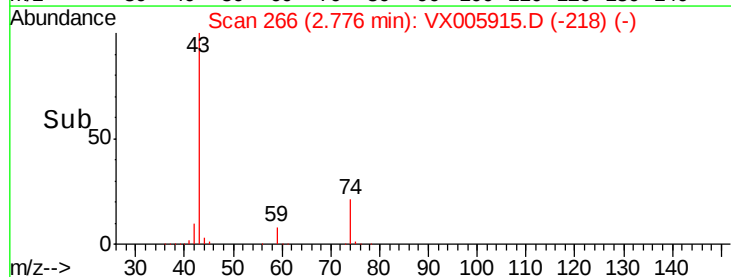
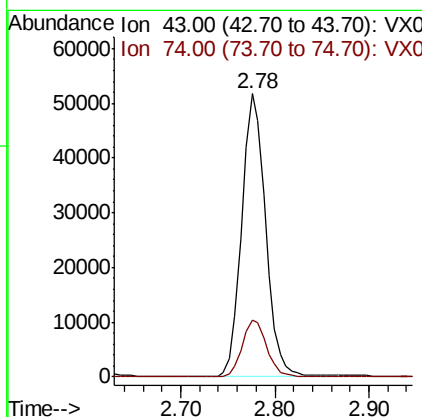
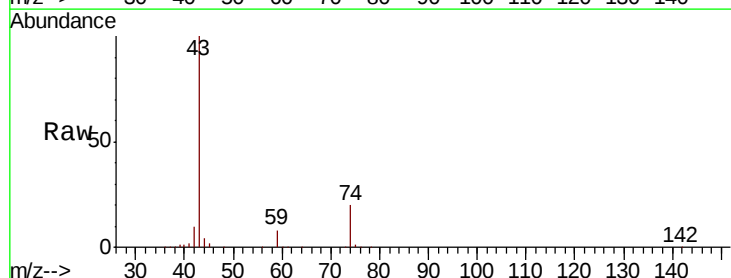
Manual Integrations
APPROVED

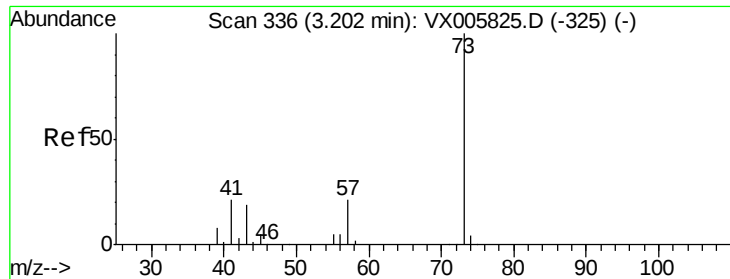
MMDadoda
11/13/2018 12:19:10 PM



#18
Methyl Acetate
Concen: 53.239 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2





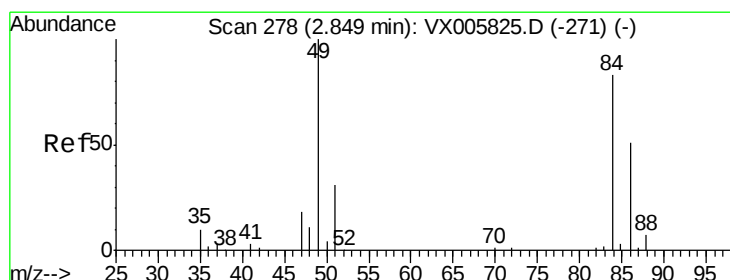
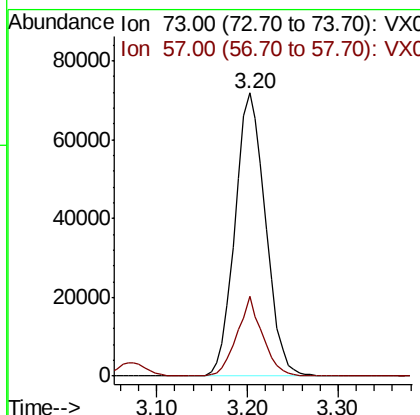
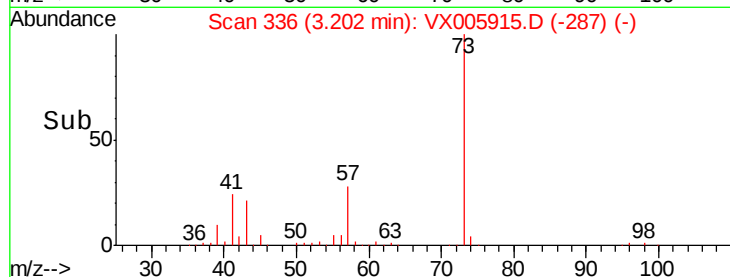
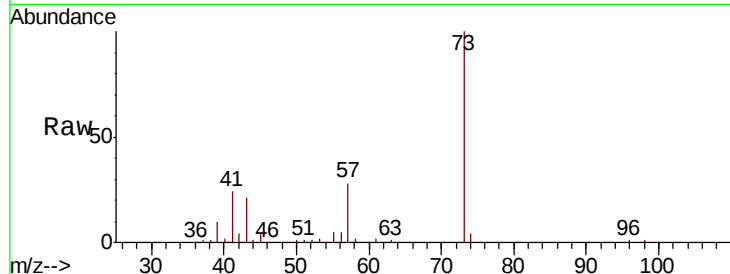
#19
Methyl tert-butyl Ether
Concen: 53.380 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion: 73 Resp: 167894
Ion Ratio Lower Upper
73 100
57 28.3 18.8 28.2#

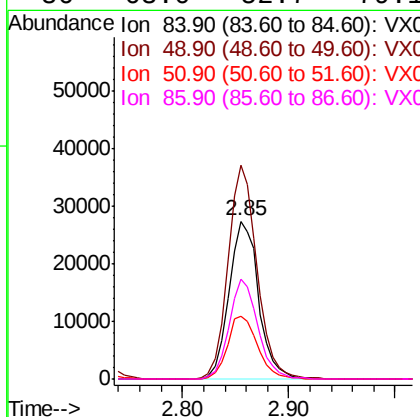
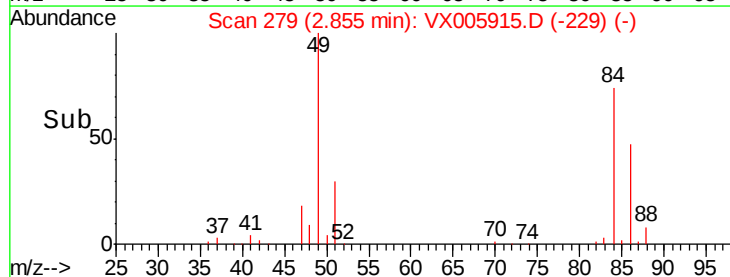
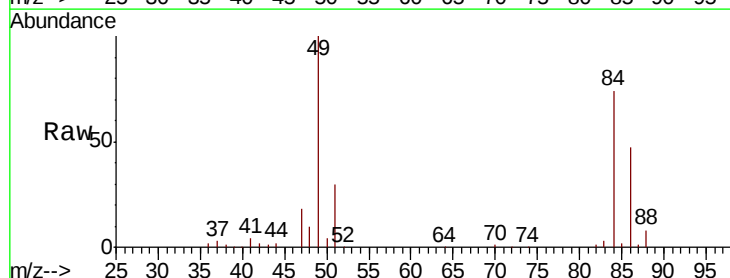
Manual Integrations
APPROVED

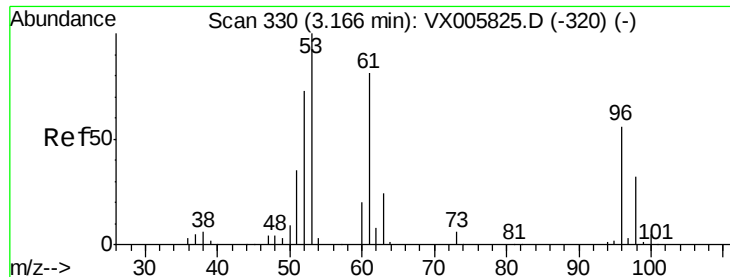
MMDadoda
11/13/2018 12:19:10 PM



#20
Methylene Chloride
Concen: 50.267 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion: 84 Resp: 53288
Ion Ratio Lower Upper
84 100
49 135.4 109.5 164.3
51 40.1 33.3 49.9
86 63.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 49.982 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 96 Resp: 48582

Ion Ratio Lower Upper

96 100

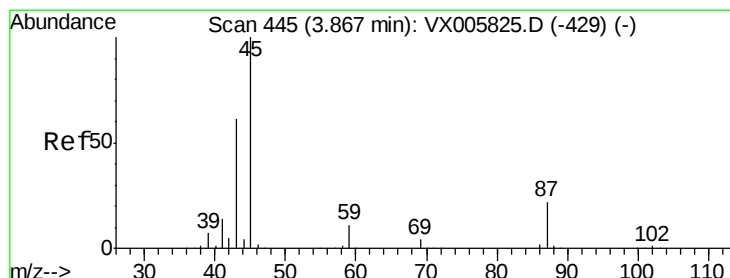
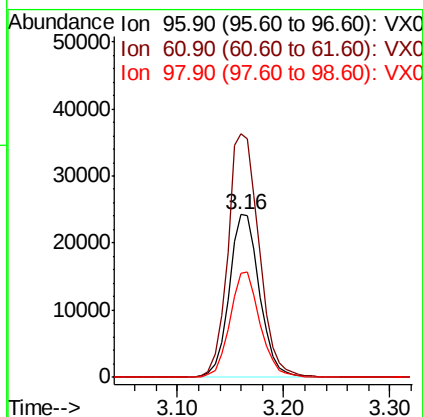
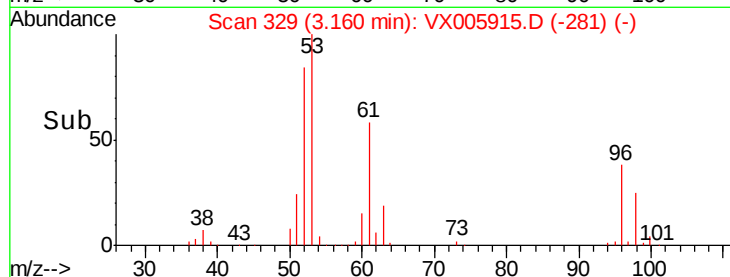
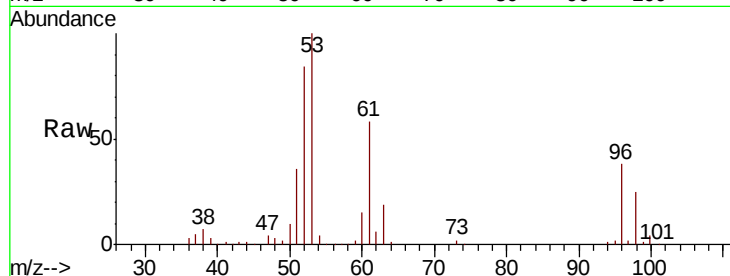
61 149.7 115.6 173.4

98 64.1 50.2 75.2

Manual Integrations
APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#22

Diisopropyl ether

Concen: 48.990 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Tgt Ion: 45 Resp: 176634

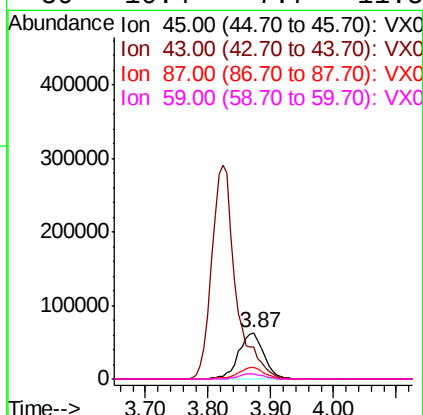
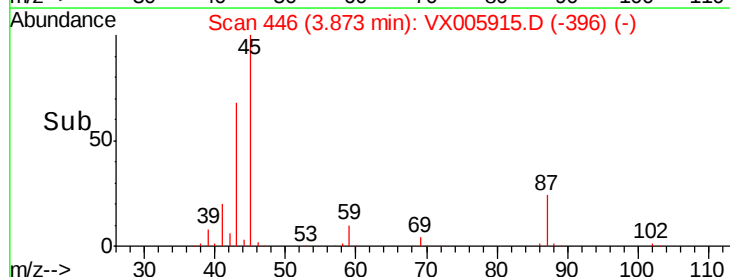
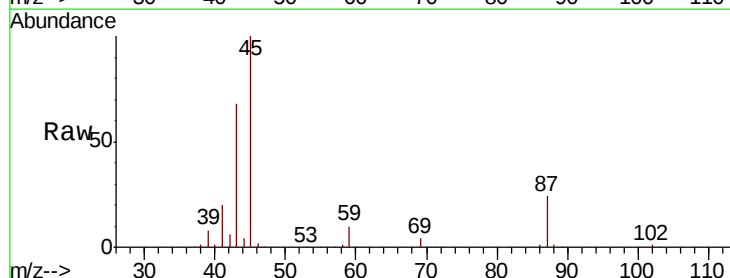
Ion Ratio Lower Upper

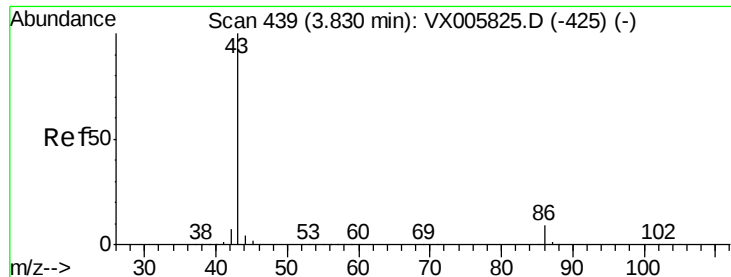
45 100

43 67.7 47.4 71.2

87 24.1 15.9 23.9#

59 10.4 7.7 11.5





#23

Vinyl Acetate

Concen: 249.265 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 43 Resp: 770575

Ion Ratio Lower Upper

43 100

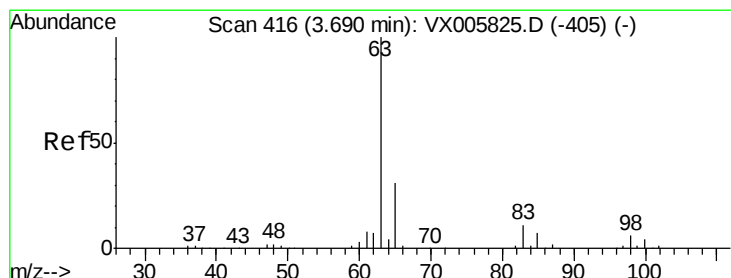
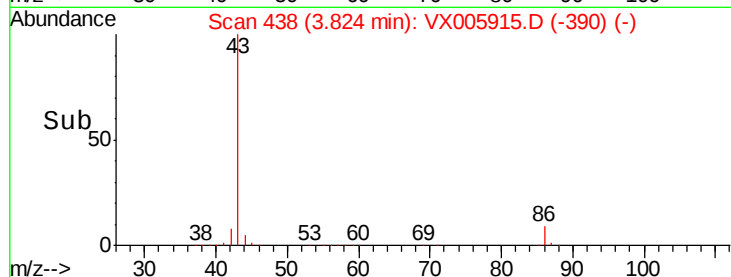
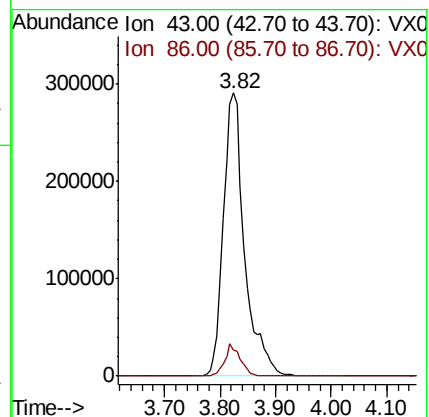
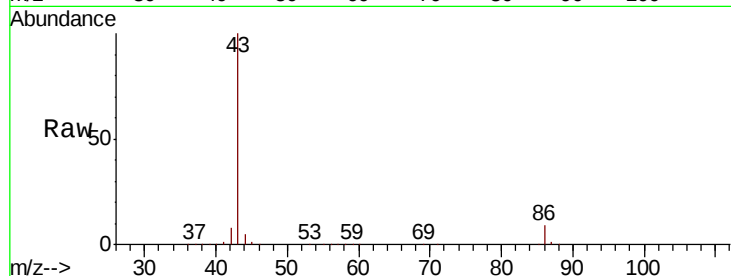
86 9.2 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#24

1,1-Dichloroethane

Concen: 50.476 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

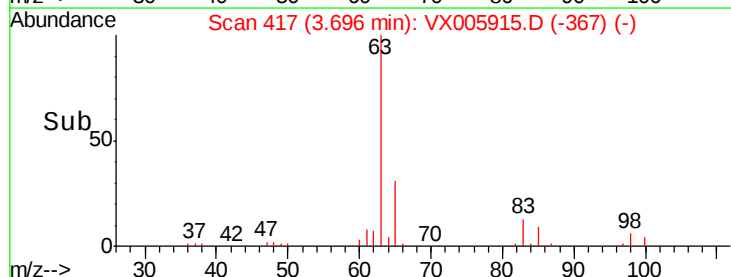
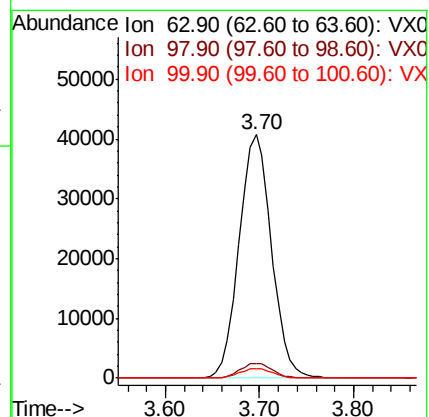
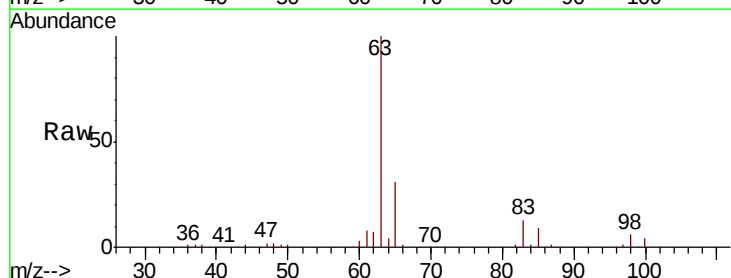
Tgt Ion: 63 Resp: 97095

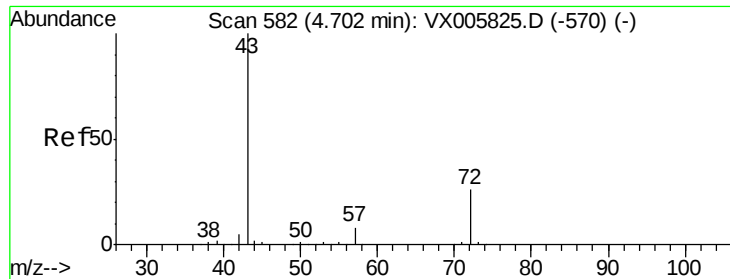
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 235.911 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 43 Resp: 239357

Ion Ratio Lower Upper

43 100

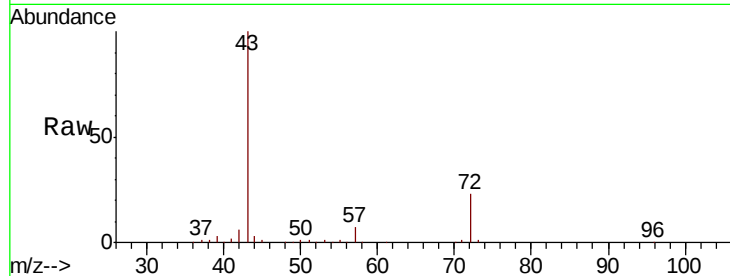
72 22.6 19.2 28.8

Manual Integrations

APPROVED

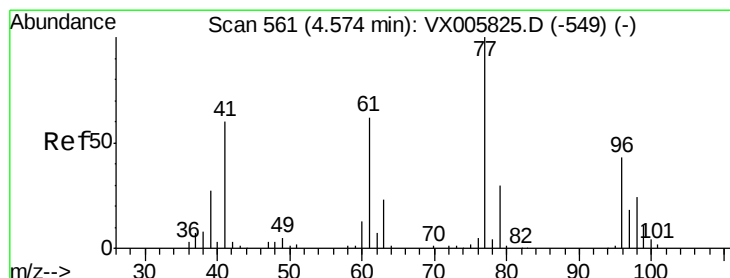
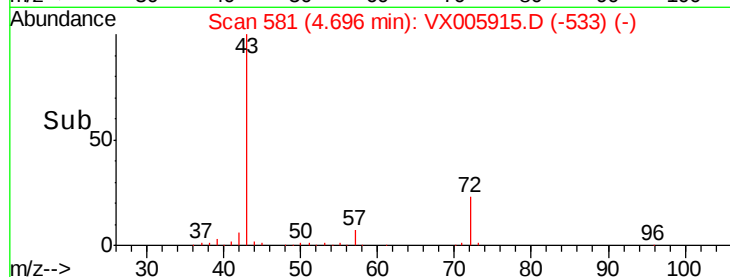
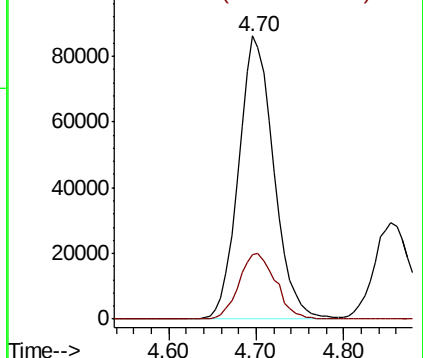
MMDadoda

11/13/2018 12:19:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.641 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005915.D

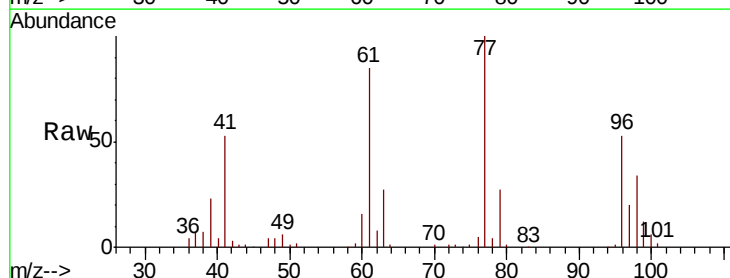
Acq: 12 Nov 2018 21:47

Tgt Ion: 77 Resp: 62991

Ion Ratio Lower Upper

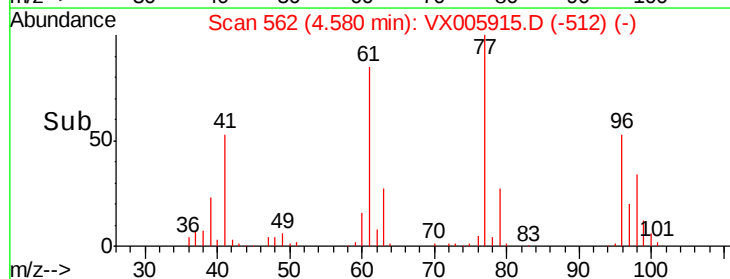
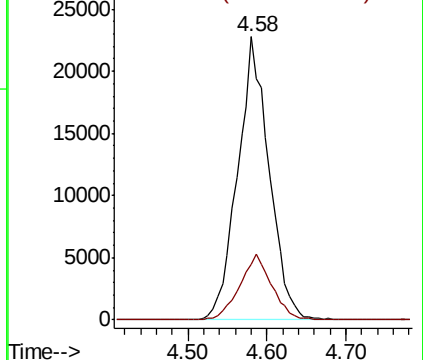
77 100

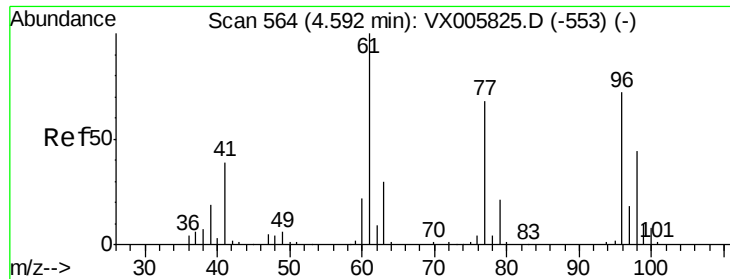
97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

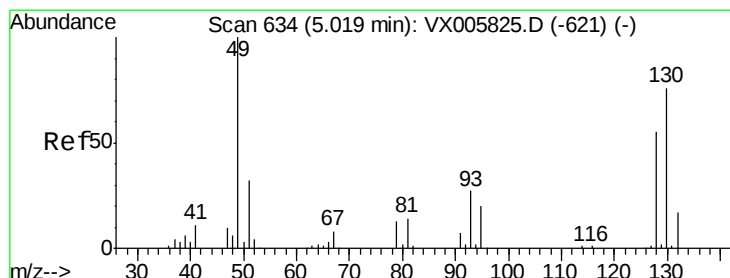
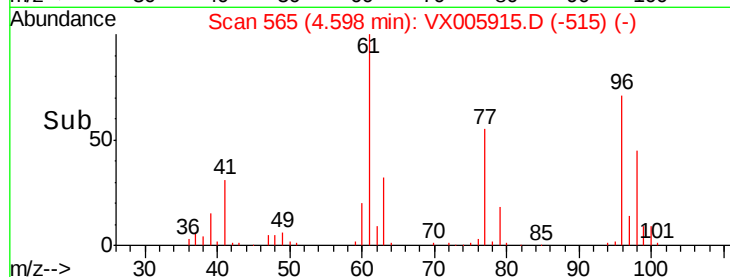
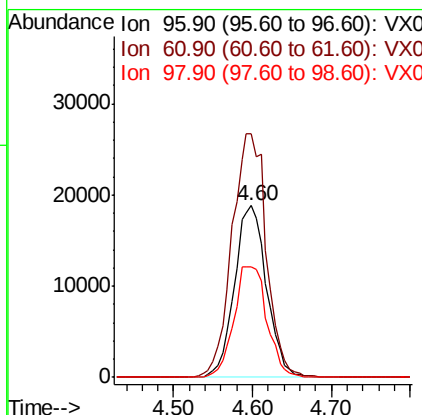
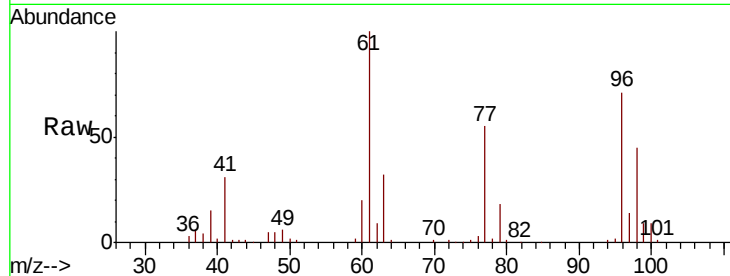
cis-1,2-Dichloroethene
Concen: 49.733 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	304.6
98	66.4	0.0	127.4

Manual Integrations
APPROVED

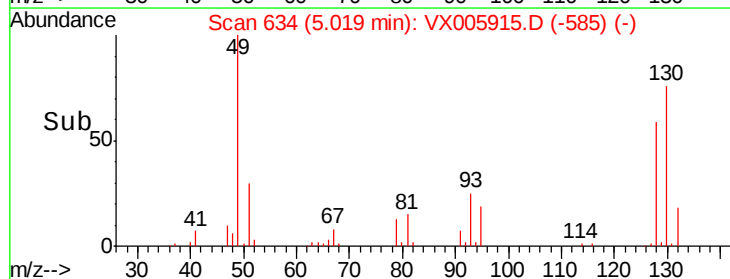
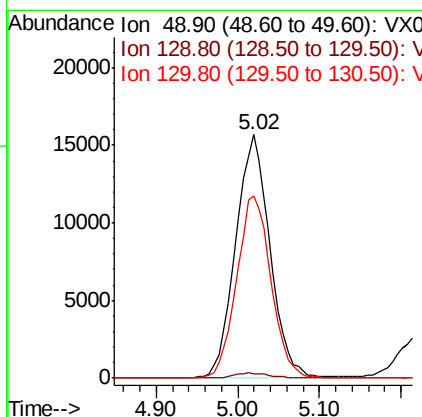
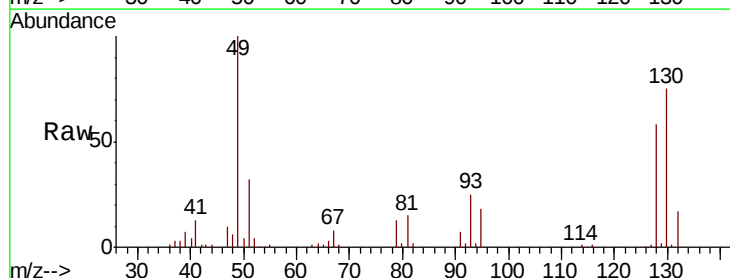
MMDadoda
11/13/2018 12:19:10 PM

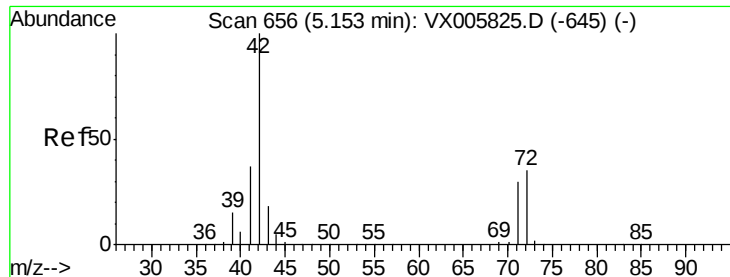


#28

Bromochloromethane
Concen: 53.132 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.8	58.9	88.3





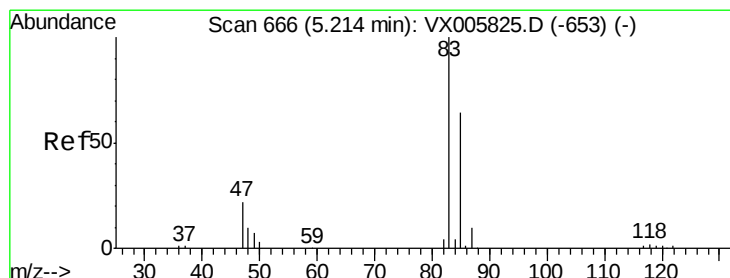
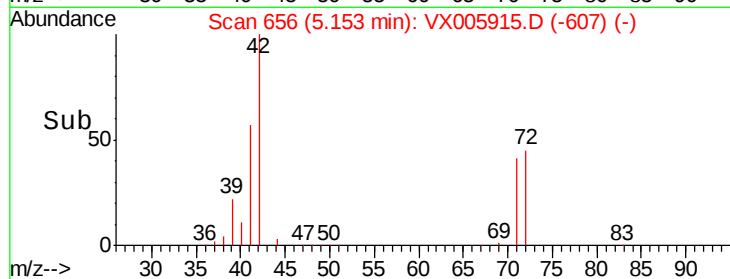
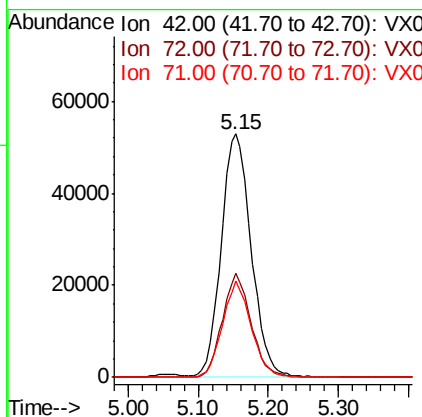
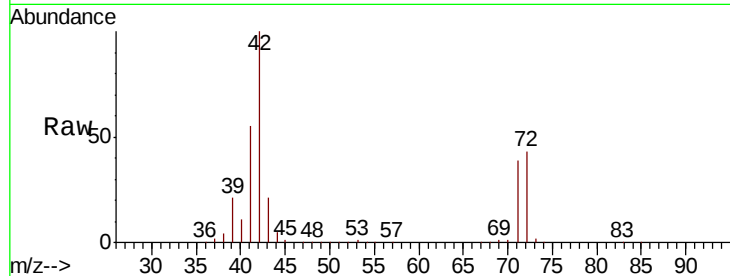
#29
Tetrahydrofuran
Concen: 240.935 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.0	48.0
71	37.9	29.8	44.8

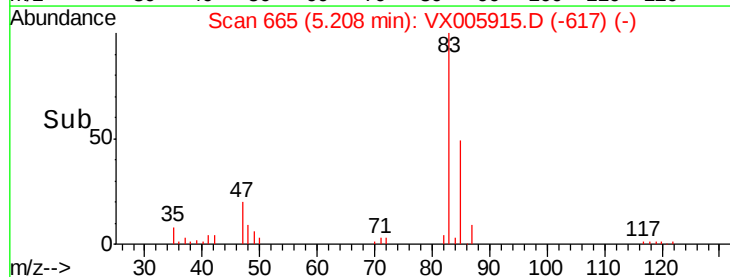
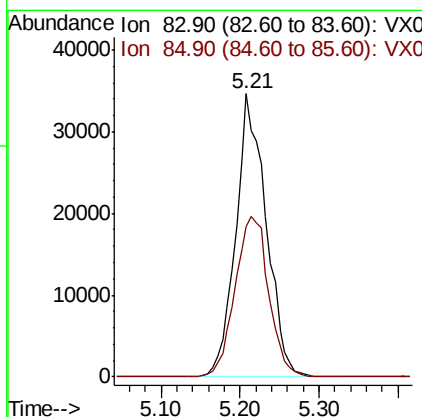
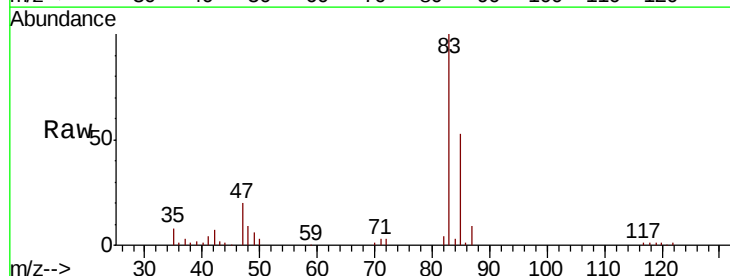
Manual Integrations
APPROVED

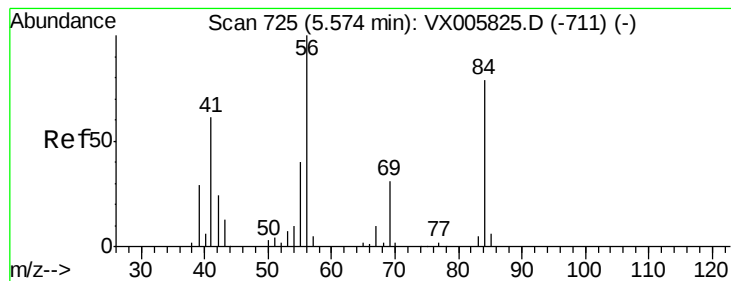
MMDadoda
11/13/2018 12:19:10 PM



#30
Chloroform
Concen: 49.951 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.2	50.6	76.0





#31

Cyclohexane

Concen: 46.822 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

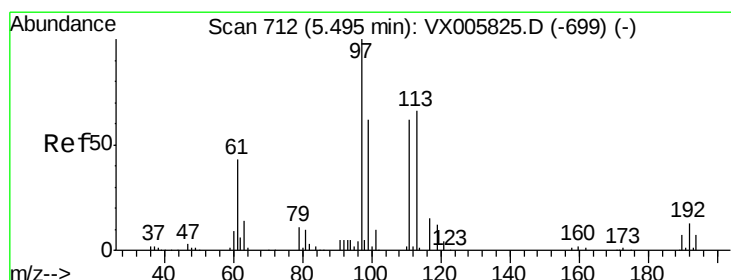
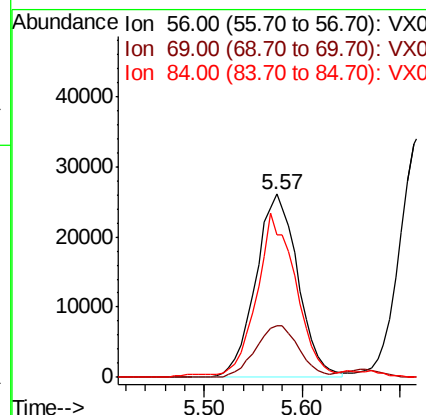
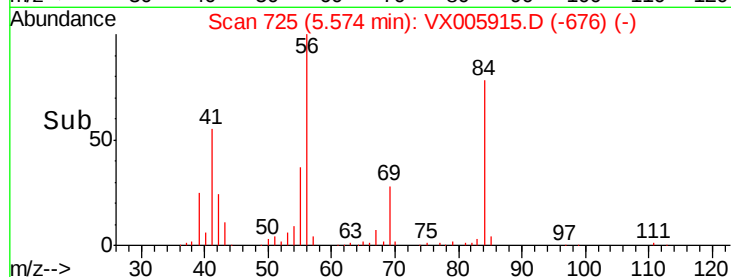
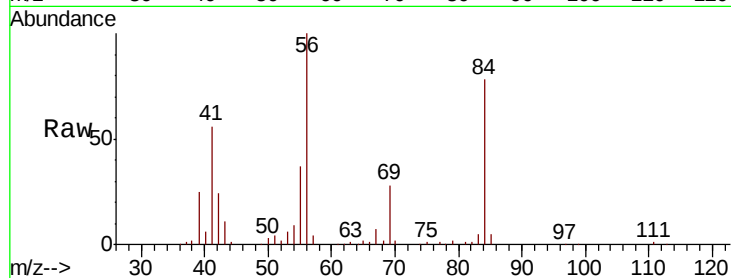
ClientSampleId :

SS003MW273-181108MS

Tot Ion:	56	Resp:	78182
Ion Ratio	Lower	Upper	
56	100		
69	28.2	22.6	34.0
84	76.7	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



#32

1,1,1-Trichloroethane

Concen: 49.851 ug/l

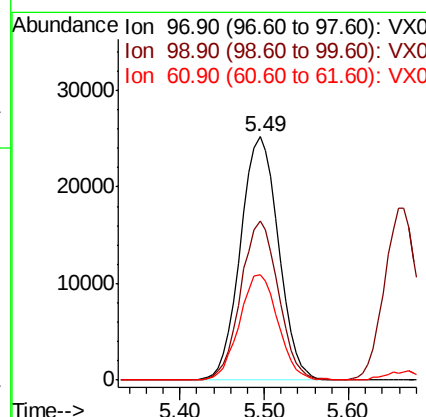
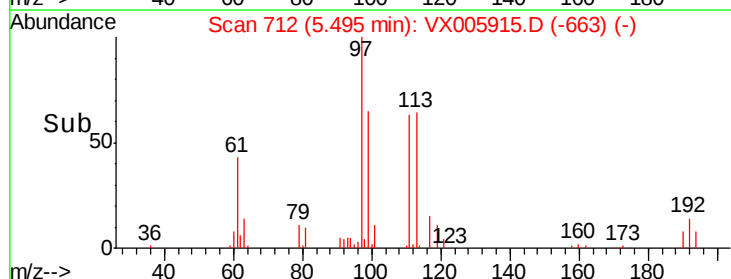
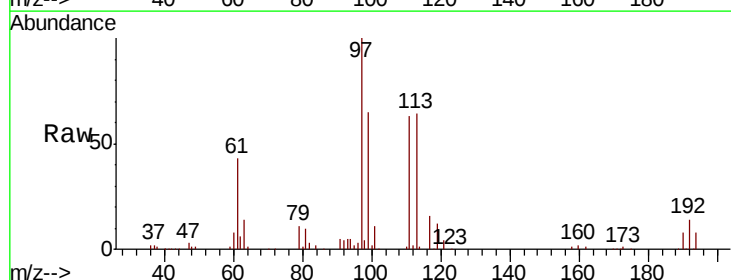
RT: 5.49 min Scan# 712

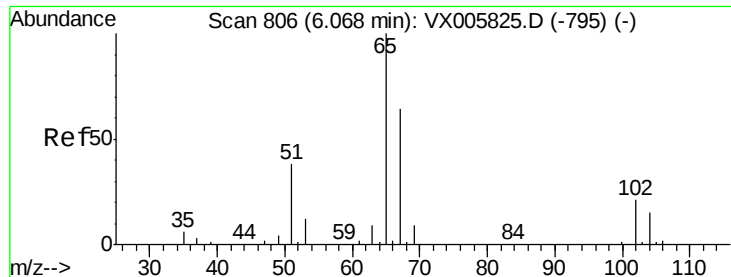
Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Tgt Ion:	97	Resp:	77167
Ion Ratio	Lower	Upper	
97	100		
99	64.5	52.3	78.5
61	44.0	35.2	52.8





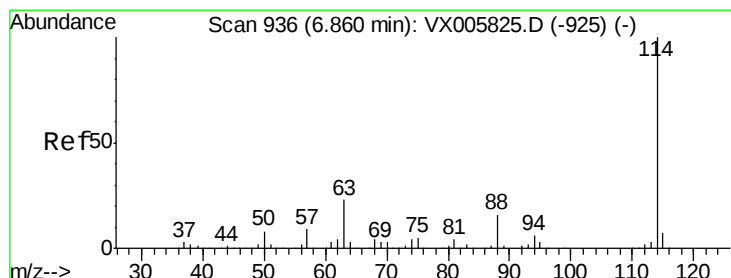
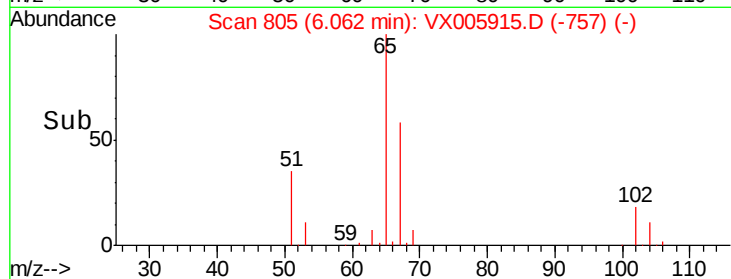
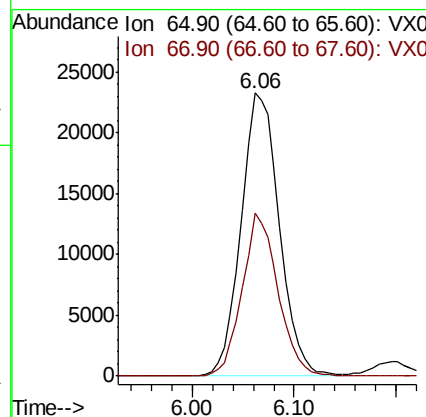
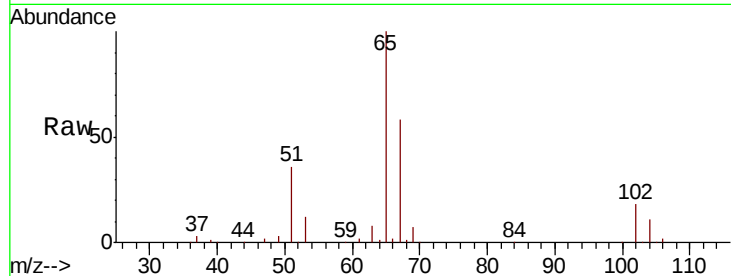
#33
 1,2-Dichloroethane-d4
 Concen: 50.473 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion: 65 Resp: 60497
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.0

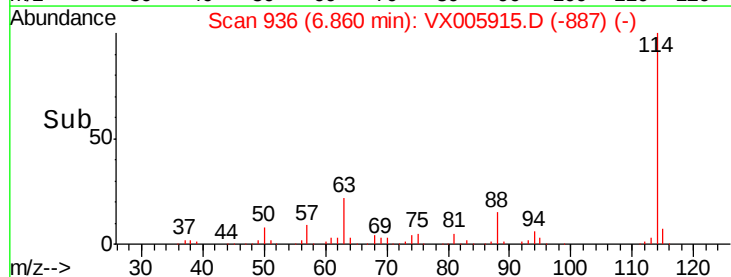
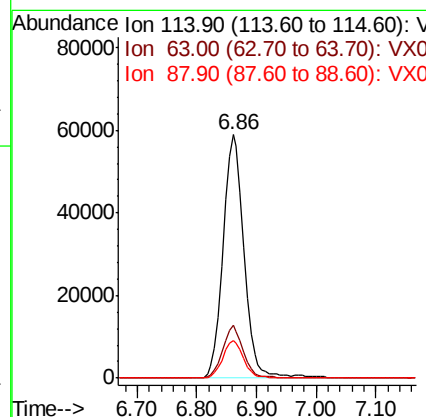
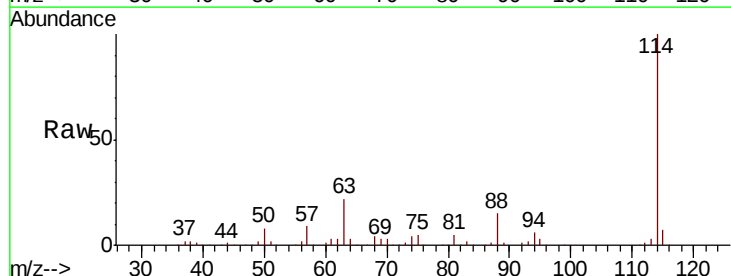
Manual Integrations
 APPROVED

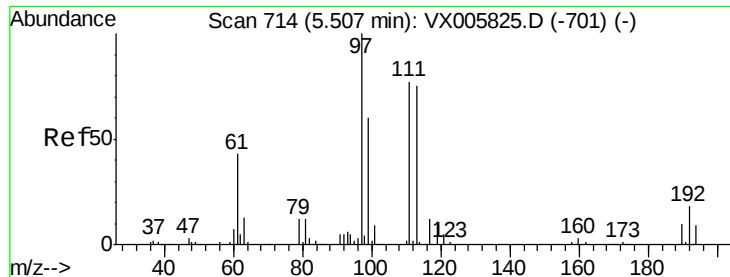
MMDadoda
 11/13/2018 12:19:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion: 114 Resp: 144564
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.8
 88 15.3 0.0 31.2





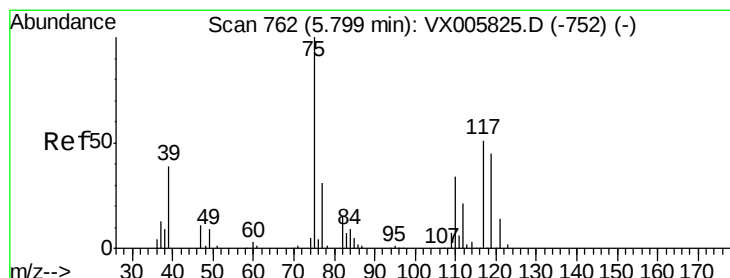
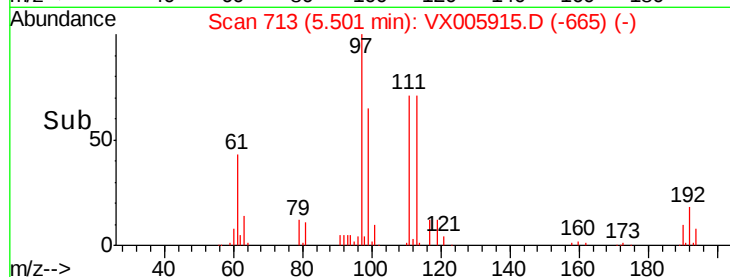
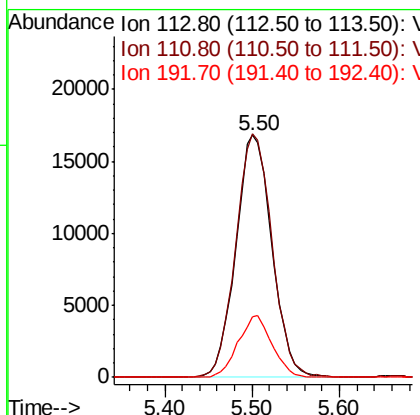
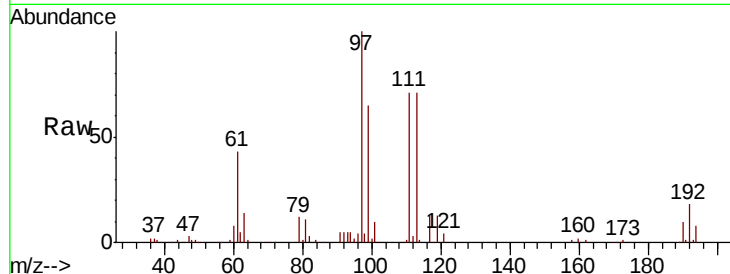
#35
Dibromofluoromethane
Concen: 48.928 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	48109		
111	101.3		82.3	123.5
192	23.8		17.9	26.9

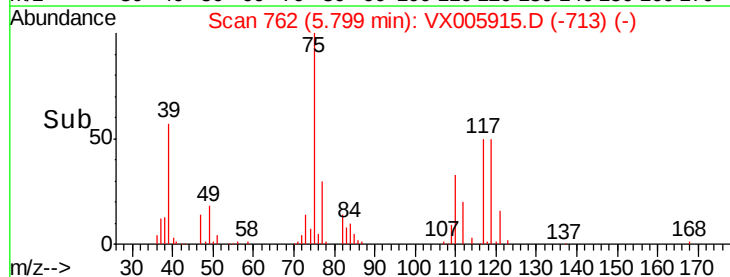
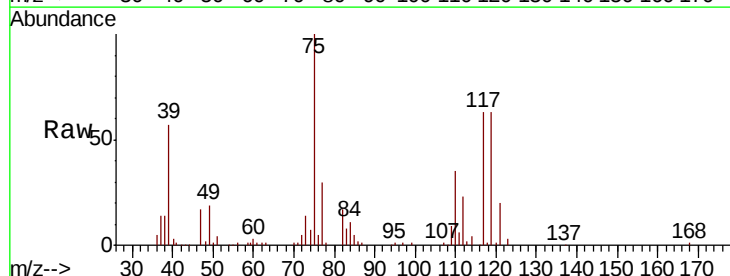
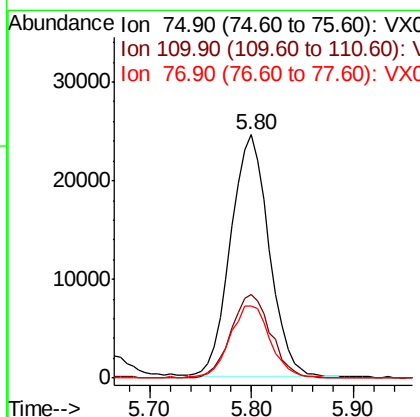
Manual Integrations
APPROVED

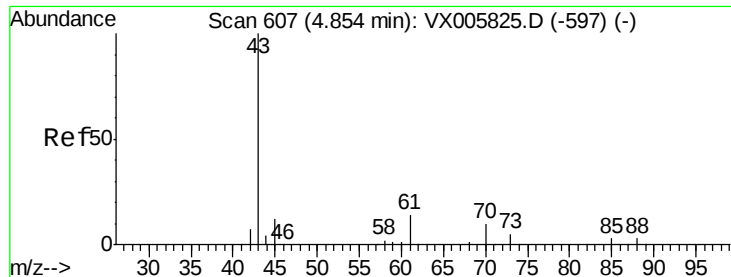
MMDadoda
11/13/2018 12:19:10 PM



#36
1,1-Dichloropropene
Concen: 46.199 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64384		
110	35.9		17.4	52.2
77	31.8		25.8	38.6





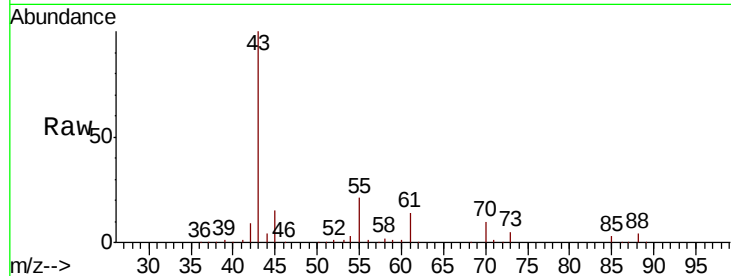
#37
Ethyl Acetate
Concen: 47.422 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM

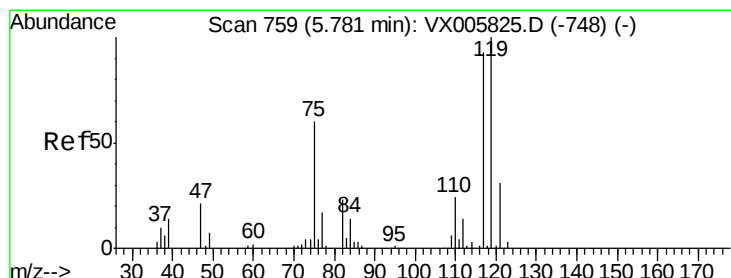
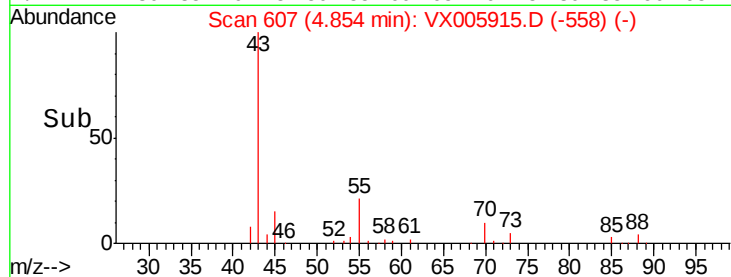
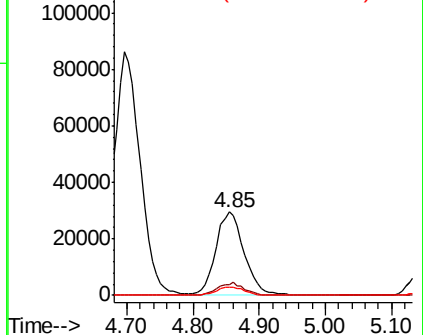


Abundance

Ion 43.00 (42.70 to 43.70): VX005825.D (-597) (-)

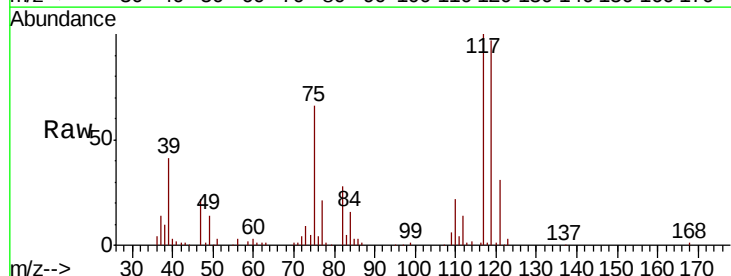
Ion 60.90 (60.60 to 61.60): VX005825.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX005825.D (-597) (-)



#38
Carbon Tetrachloride
Concen: 48.476 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.1	117.1
121	30.9	24.6	36.8

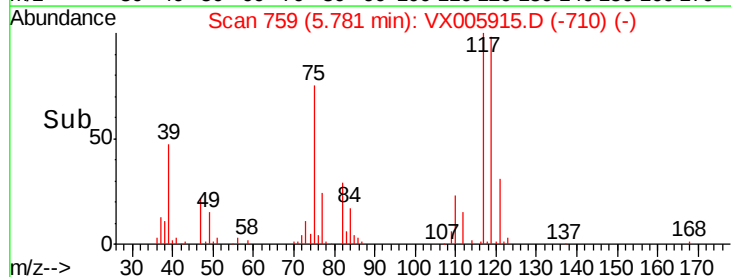
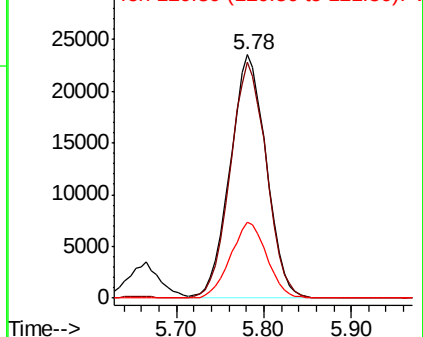


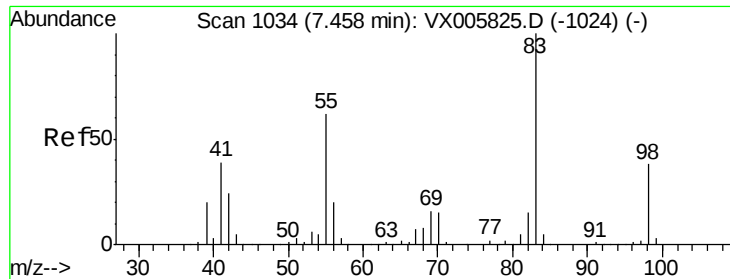
Abundance

Ion 116.80 (116.50 to 117.50): VX005825.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005825.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005825.D (-748) (-)





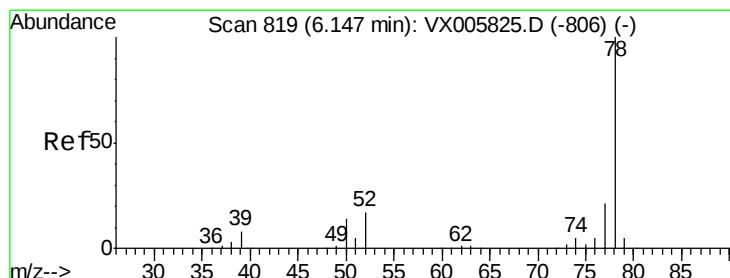
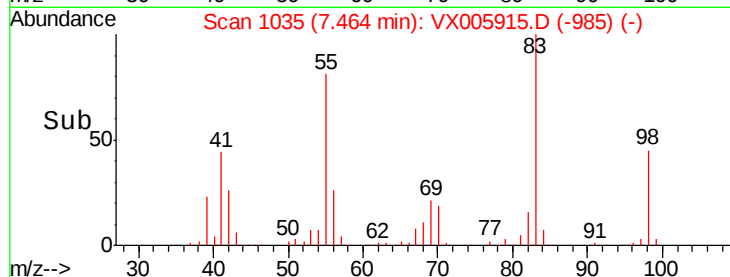
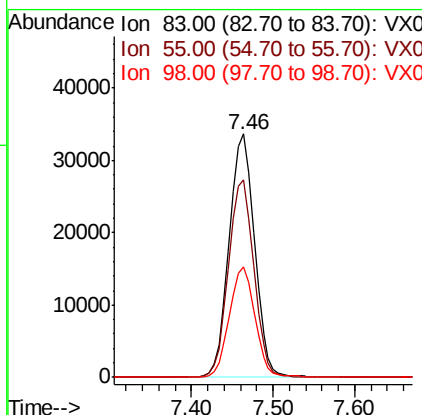
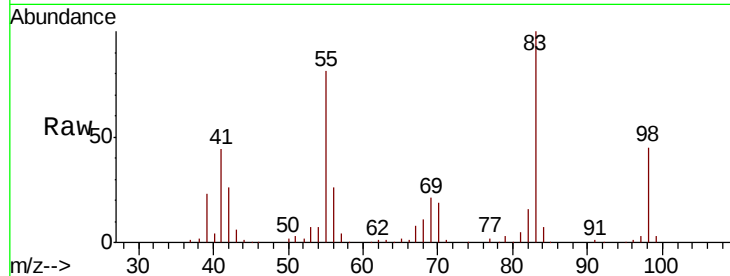
#39
Methvlcvclohexane
Concen: 51.375 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	63.7	95.5
98	45.5	36.2	54.2

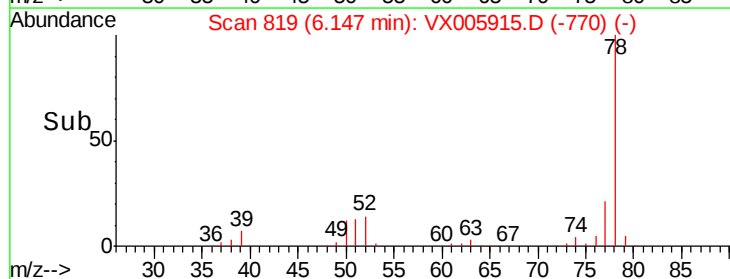
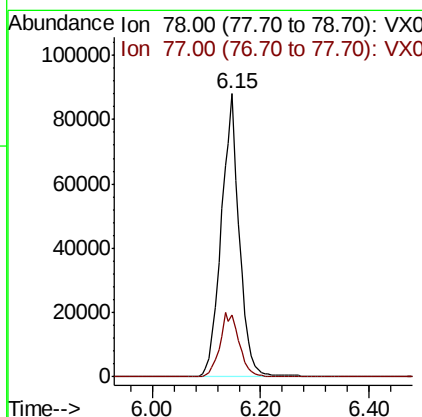
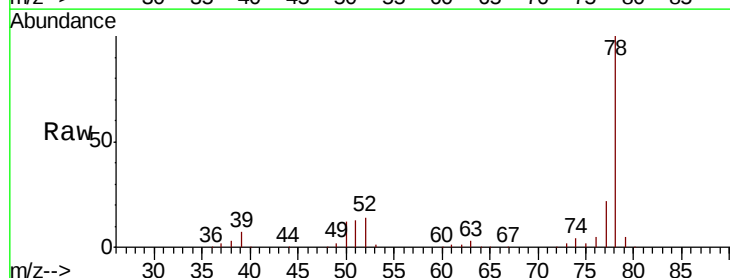
Manual Integrations
APPROVED

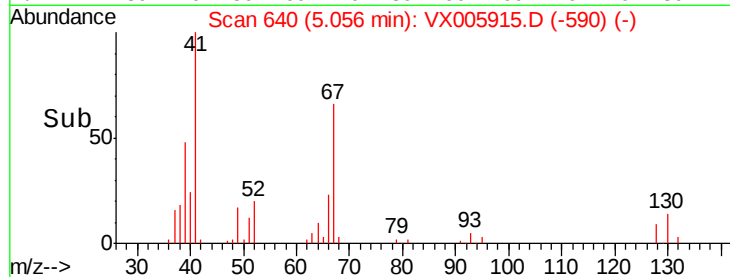
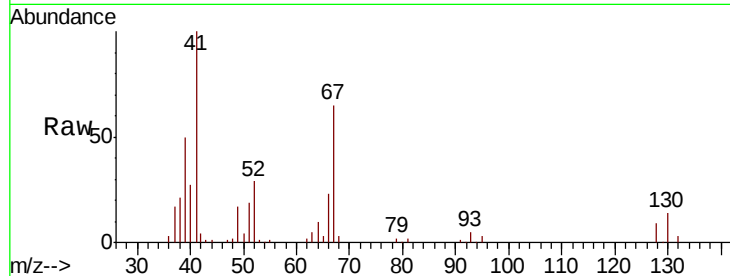
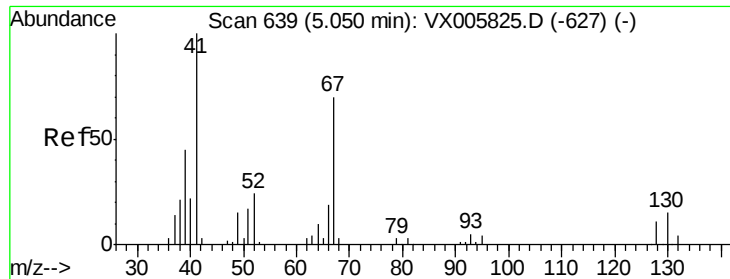
MMDadoda
11/13/2018 12:19:10 PM



#40
Benzene
Concen: 49.595 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.4	27.6





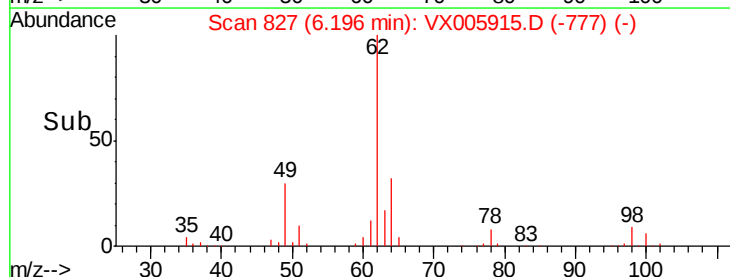
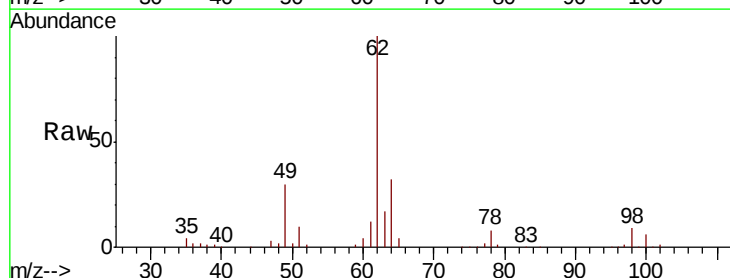
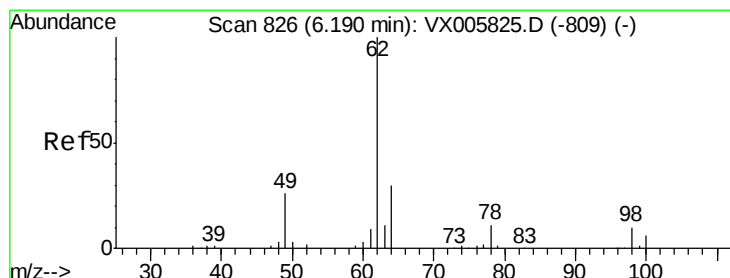
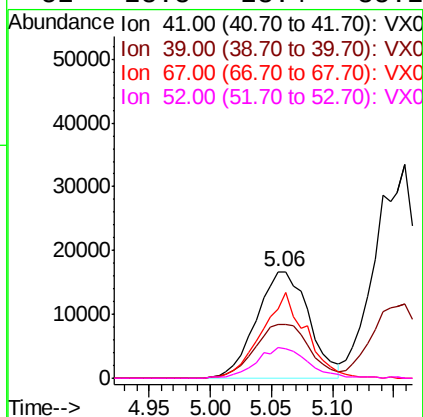
#41
Methacrylonitrile
Concen: 50.824 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	52.4	42.2	63.2
67	67	68.1	53.4	80.0
52	52	28.8	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

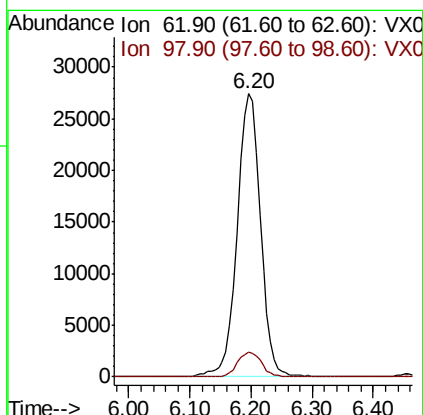
Manual Integrations
APPROVED

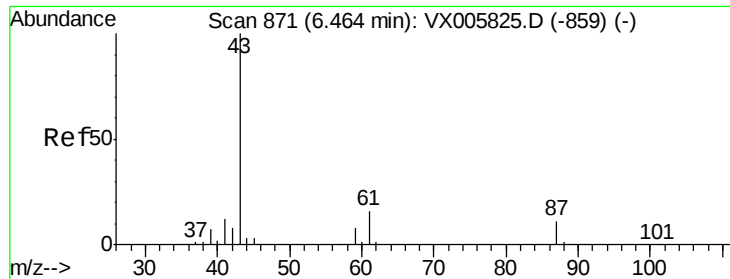
MMDadoda
11/13/2018 12:19:10 PM



#42
1,2-Dichloroethane
Concen: 49.540 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.0	0.0	17.8





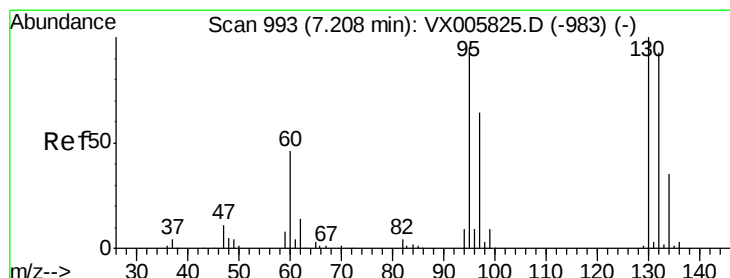
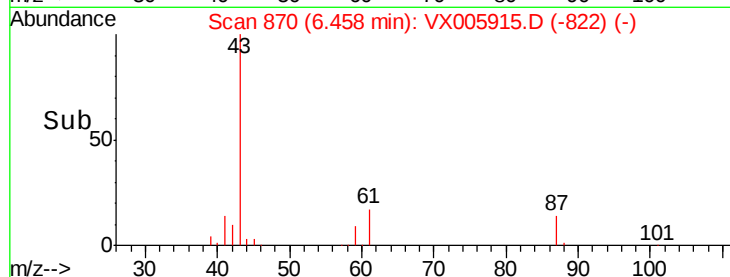
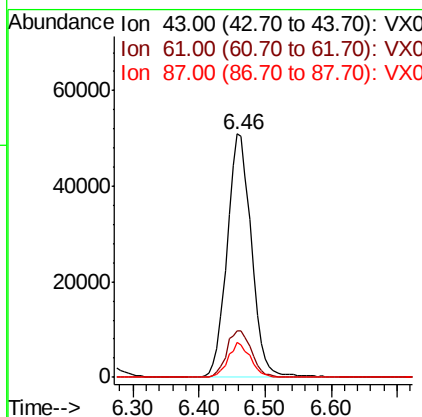
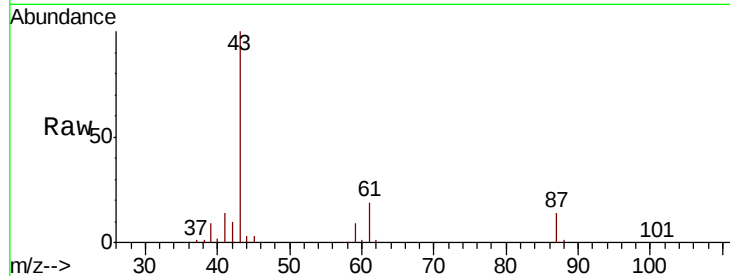
#43
Isopropyl Acetate
Concen: 49.005 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion:	43	Resp:	130135
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.6	22.0
87	13.0	9.6	14.4

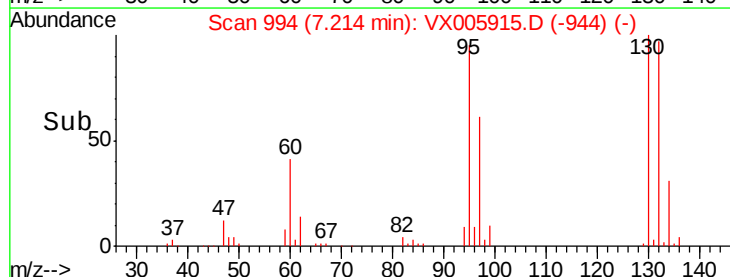
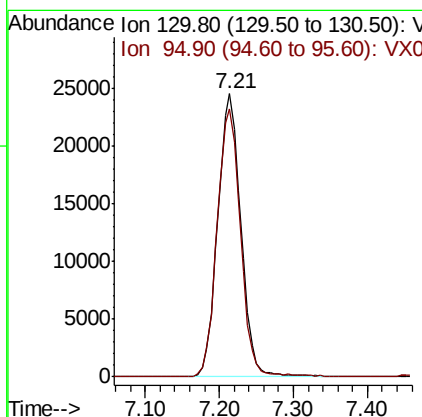
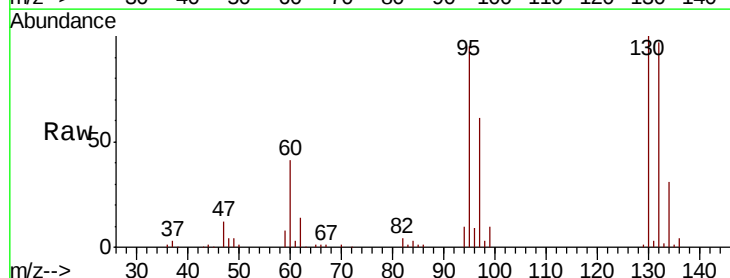
Manual Integrations
APPROVED

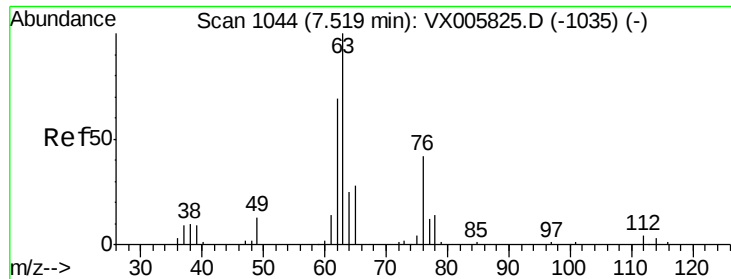
MMDadoda
11/13/2018 12:19:10 PM



#44
Trichloroethene
Concen: 51.248 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion:	130	Resp:	52875
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	194.2





#45

1,2-Dichloropropane

Concen: 52.990 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 63 Resp: 52254

Ion Ratio Lower Upper

63 100

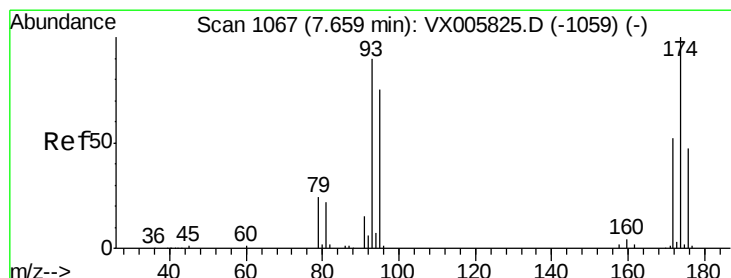
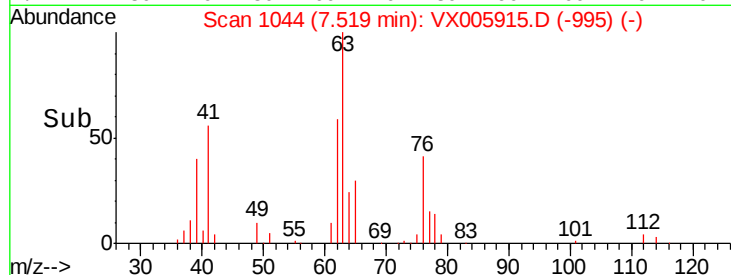
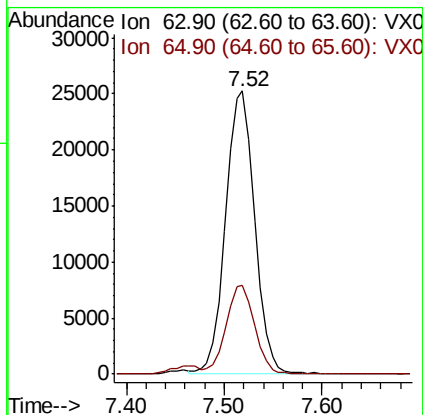
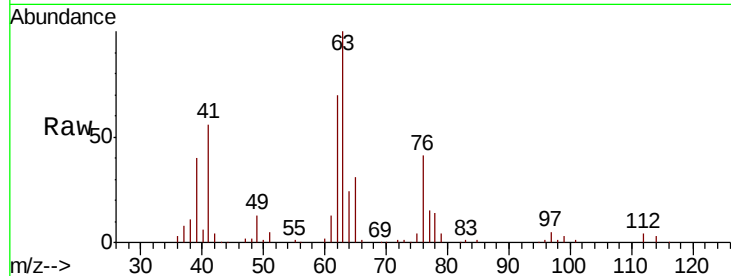
65 31.2 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#46

Dibromomethane

Concen: 55.491 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

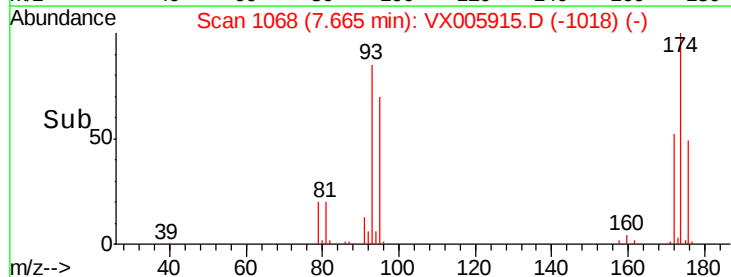
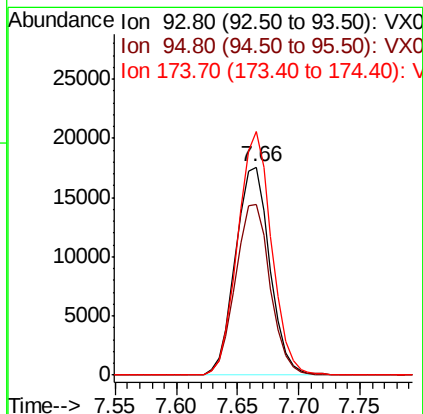
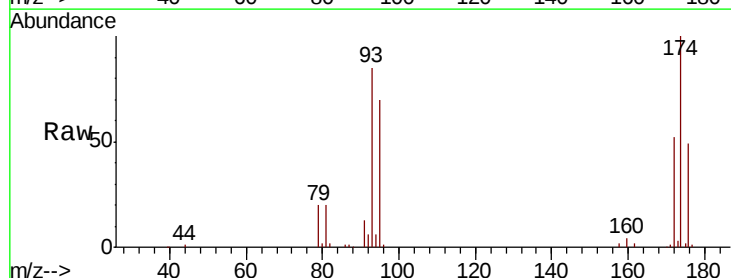
Tgt Ion: 93 Resp: 34337

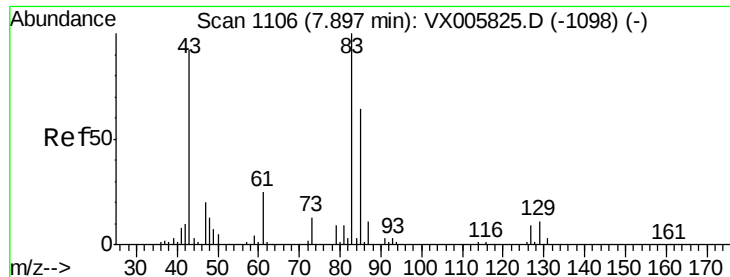
Ion Ratio Lower Upper

93 100

95 82.9 67.4 101.0

174 115.2 91.5 137.3





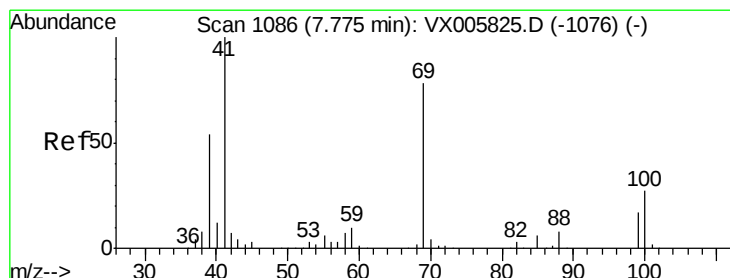
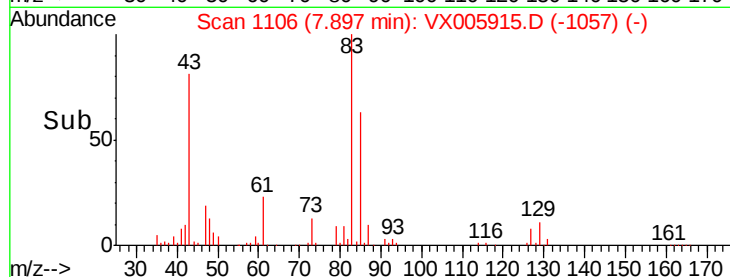
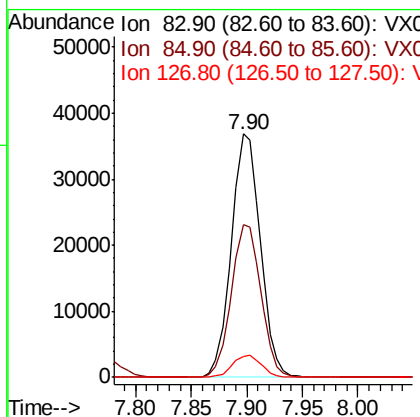
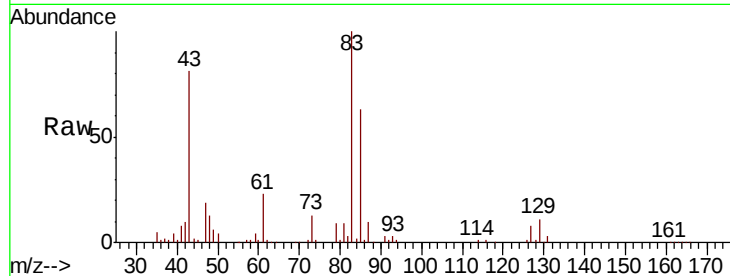
#47
 Bromodichloromethane
 Concen: 57.052 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.4	6.9	10.3

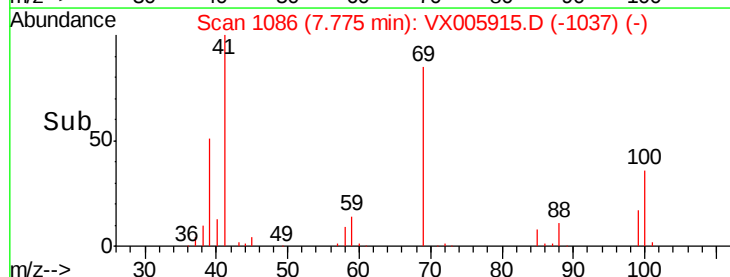
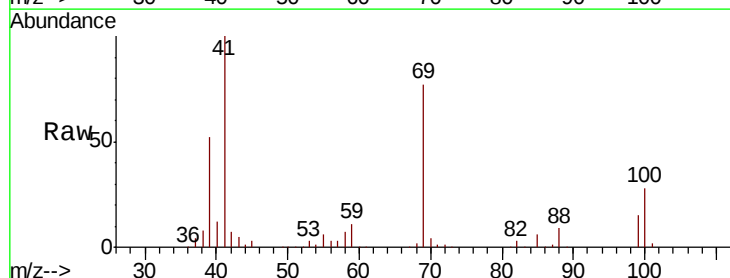
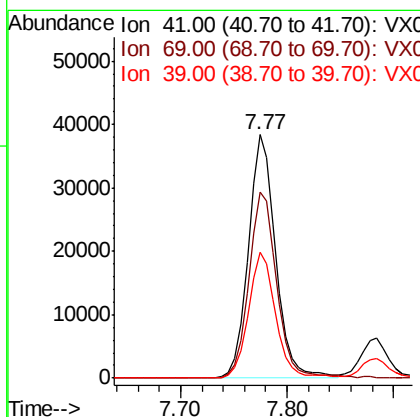
Manual Integrations
 APPROVED

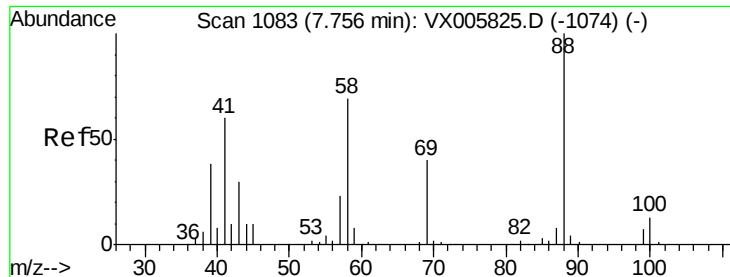
MMDadoda
 11/13/2018 12:19:10 PM



#48
 Methyl methacrylate
 Concen: 57.827 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.2	94.8
39	51.6	42.2	63.2





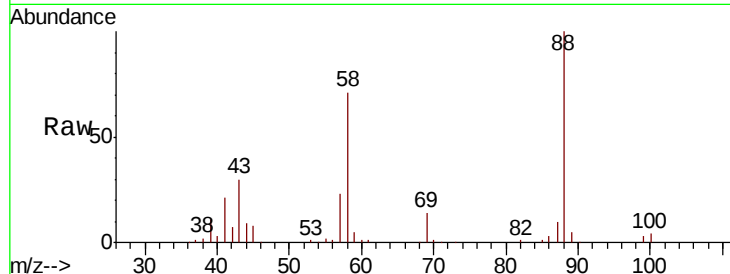
#49
1,4-Dioxane
Concen: 1094.487 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.4	41.0
58	73.4	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM

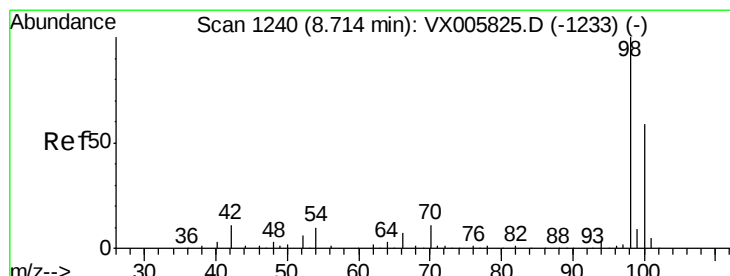
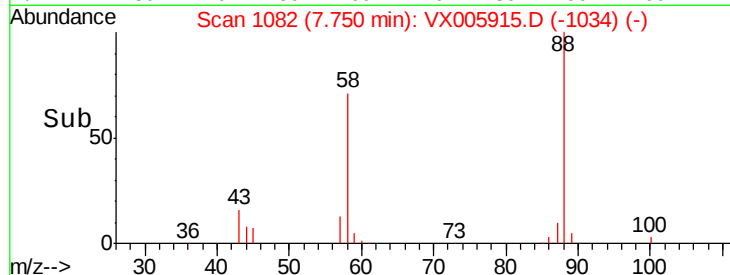
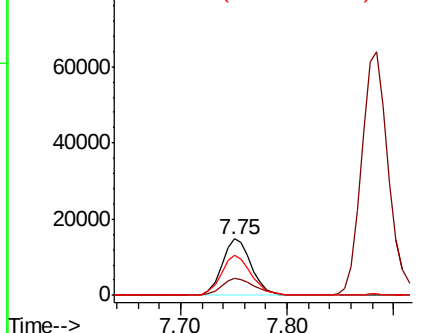


Abundance

Ion 88.00 (87.70 to 88.70): VX0

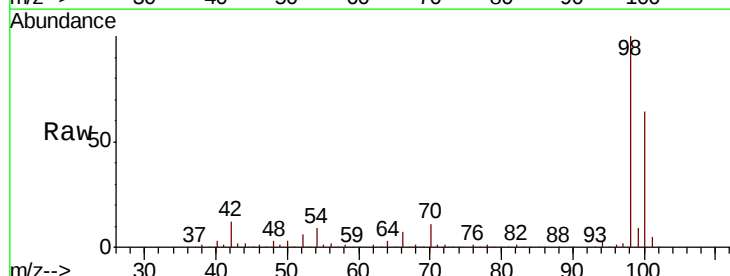
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 54.560 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

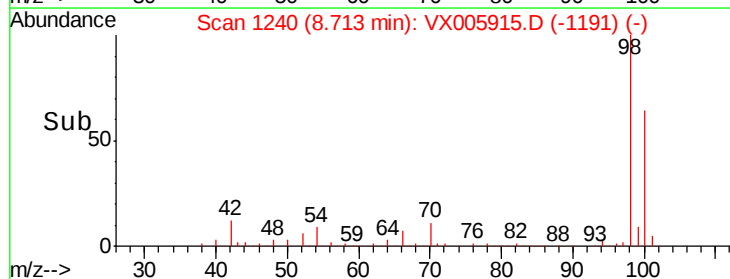
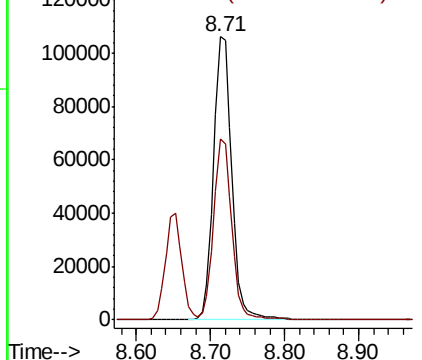
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9

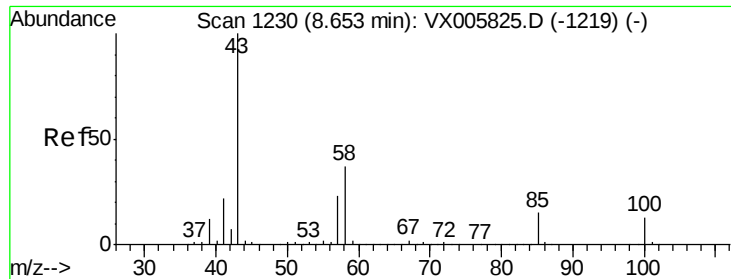


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 276.533 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 43 Resp: 462813

Ion Ratio Lower Upper

43 100

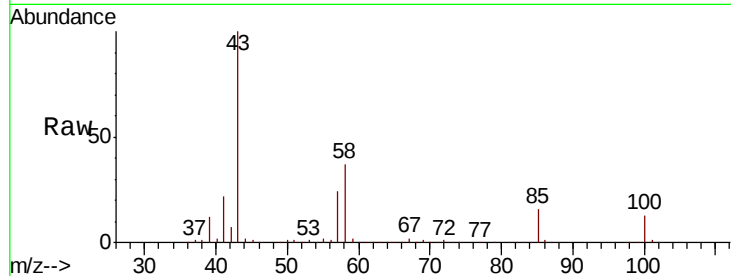
58 37.2 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

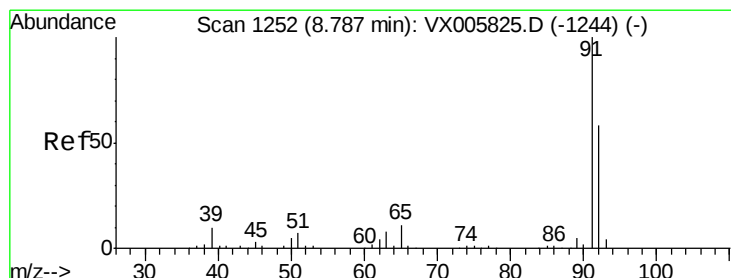
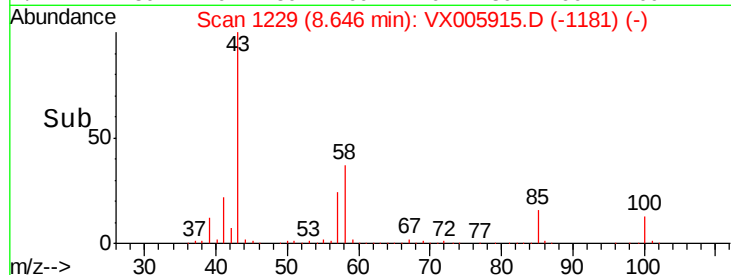
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.432 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005915.D

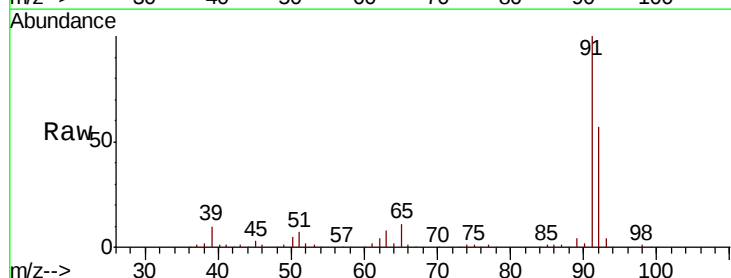
Acq: 12 Nov 2018 21:47

Tgt Ion: 92 Resp: 121325

Ion Ratio Lower Upper

92 100

91 175.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

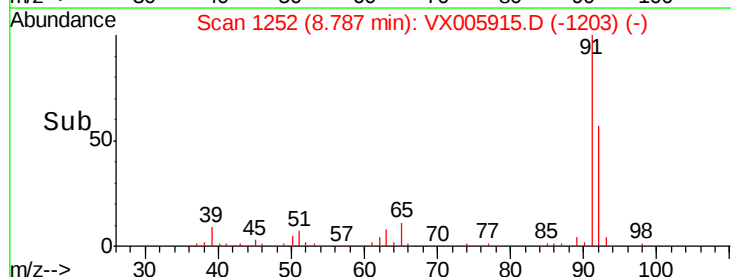
150000

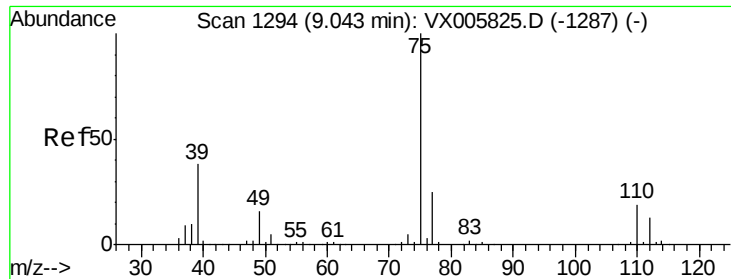
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.518 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 75 Resp: 73856

Ion Ratio Lower Upper

75 100

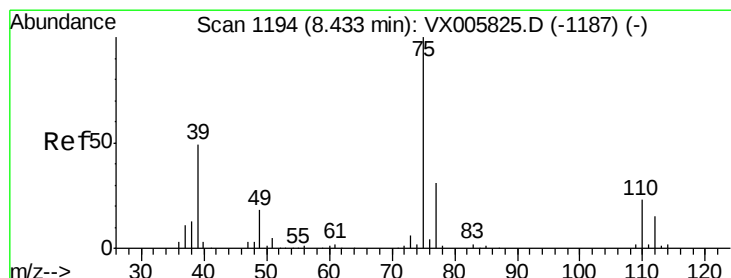
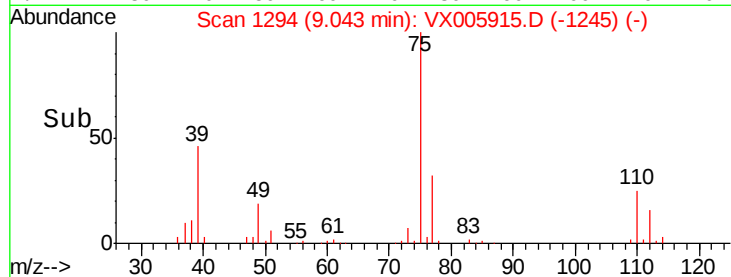
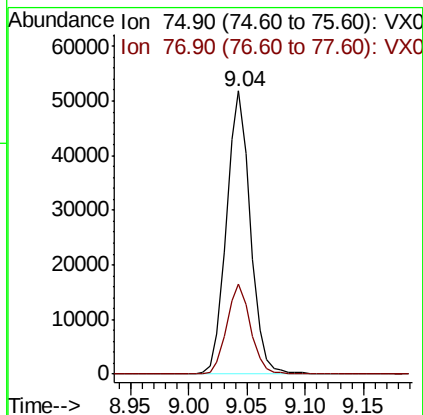
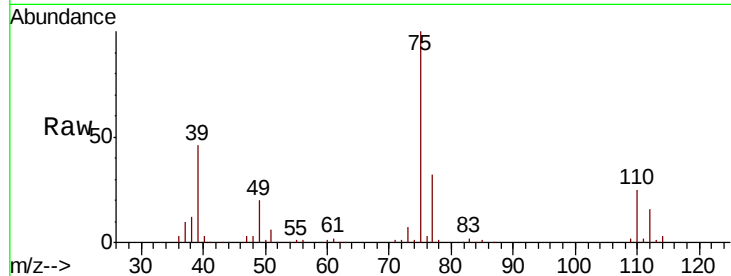
77 31.7 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#54

cis-1,3-Dichloropropene

Concen: 54.438 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

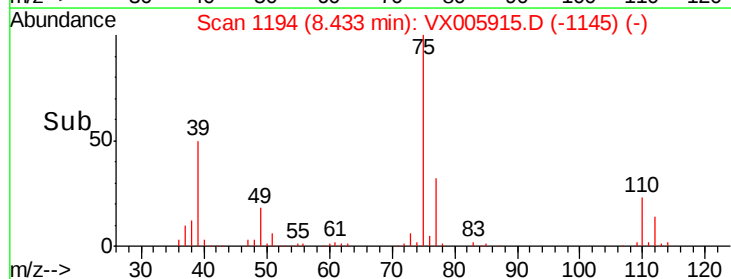
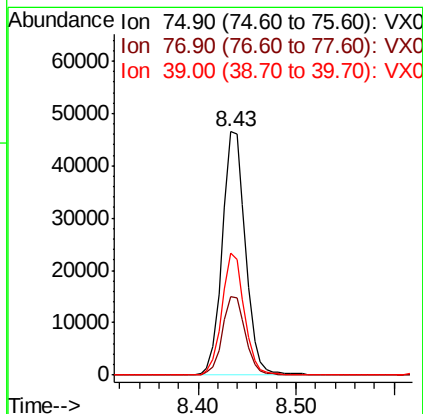
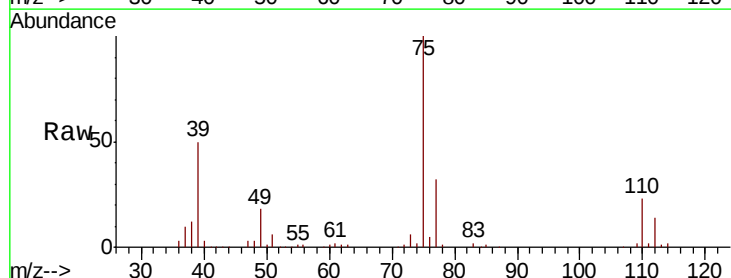
Tgt Ion: 75 Resp: 76572

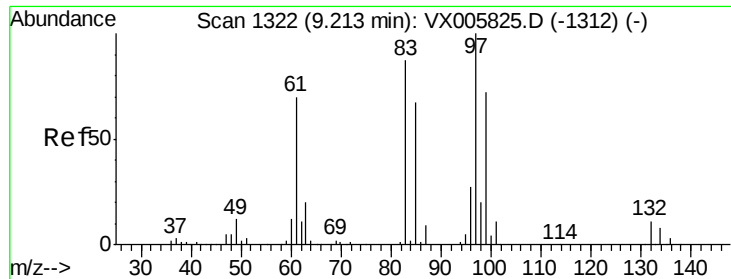
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 50.1 38.2 57.2





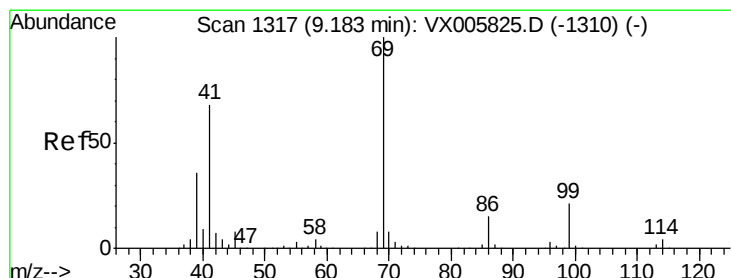
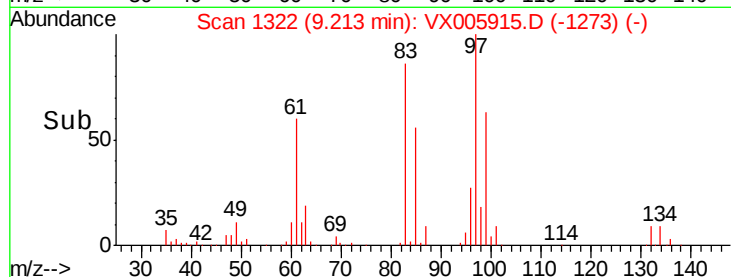
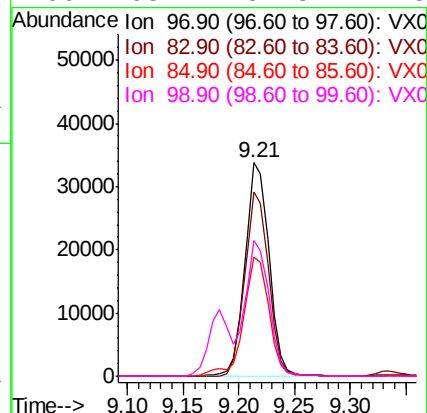
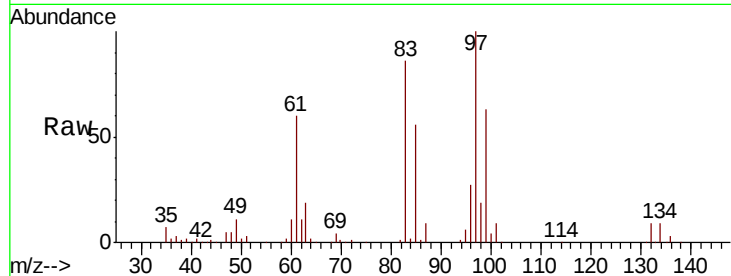
#55
 1,1,2-Trichloroethane
 Concen: 50.088 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion:	97	Resp:	50687
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.7	106.1
85	55.9	45.8	68.6
99	63.1	51.8	77.8

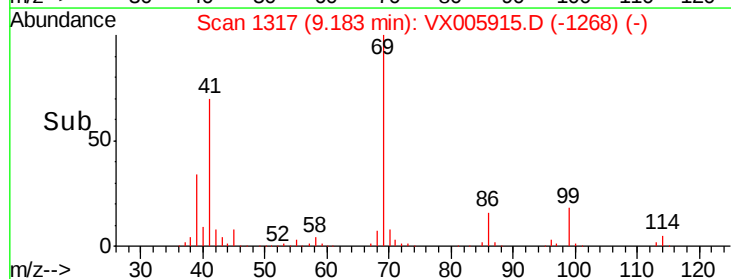
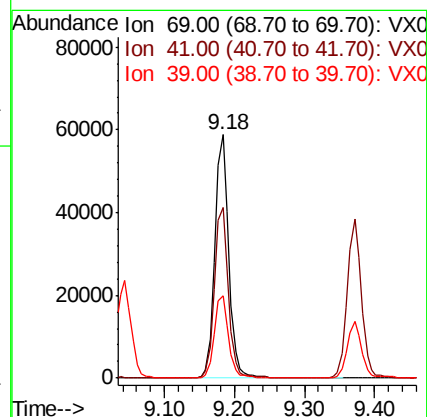
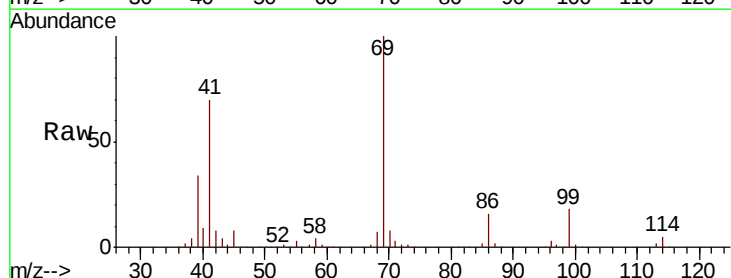
Manual Integrations
 APPROVED

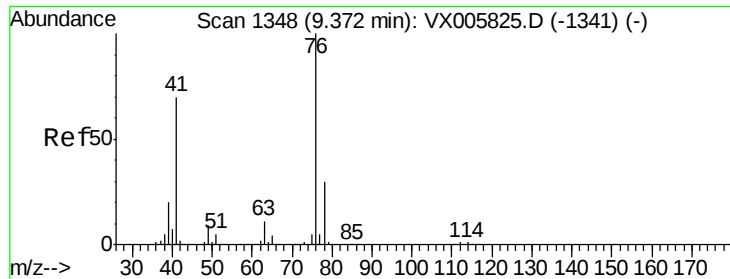
MMDadoda
 11/13/2018 12:19:10 PM



#56
 Ethyl methacrylate
 Concen: 53.600 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion:	69	Resp:	81158
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.0	85.6
39	34.6	28.3	42.5





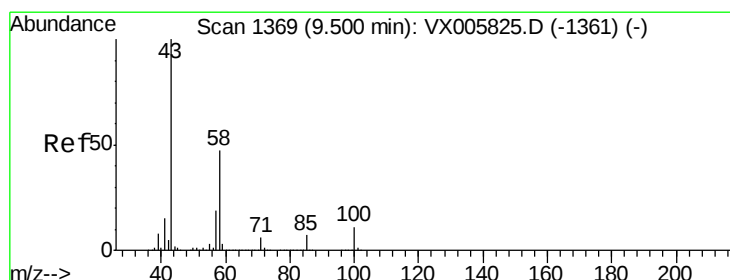
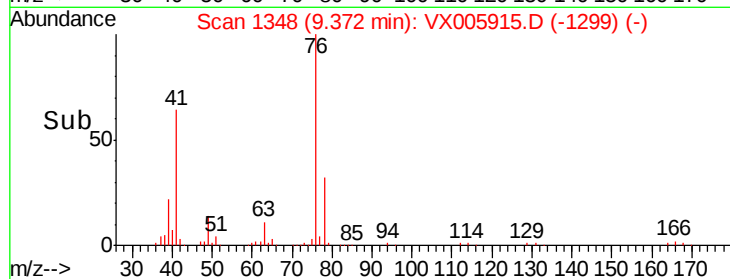
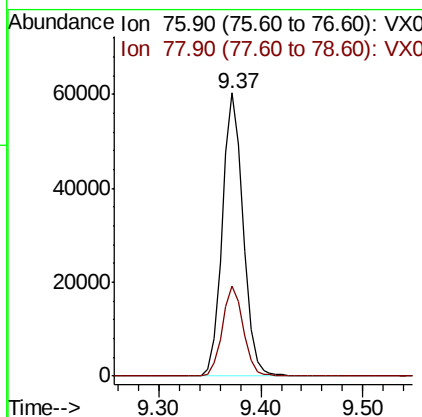
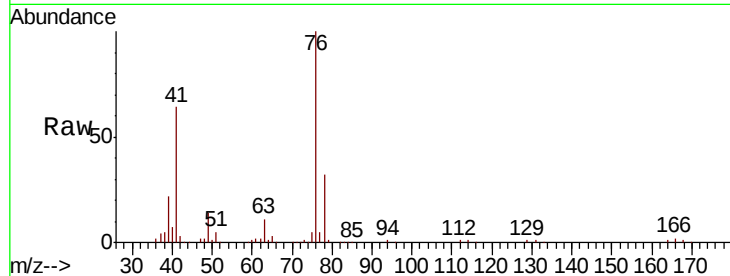
#57
 1,3-Dichloropropane
 Concen: 50.476 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.3	37.9

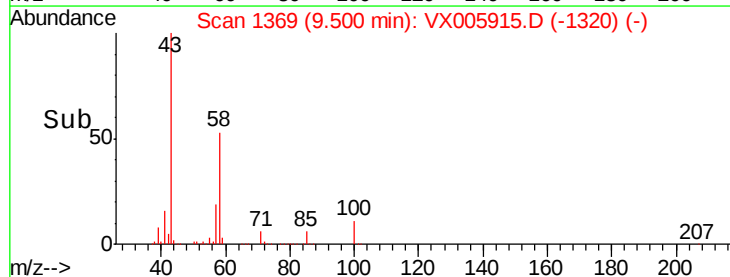
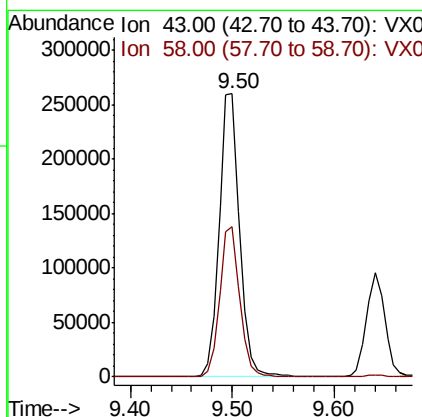
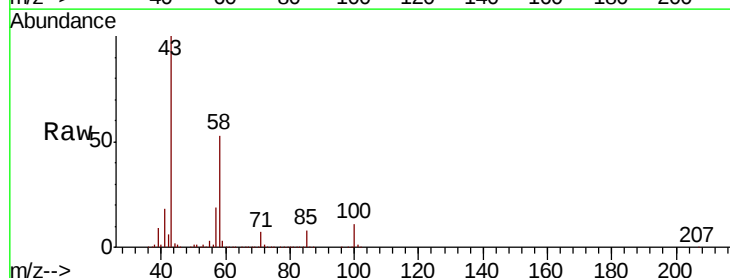
Manual Integrations
 APPROVED

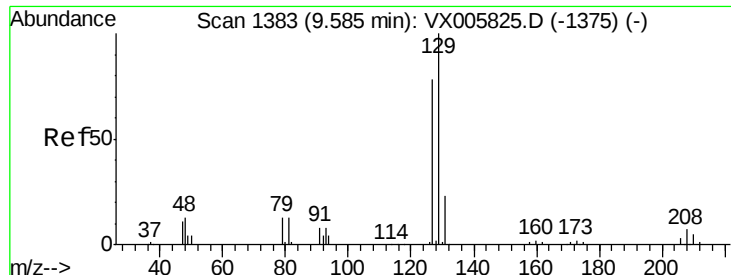
MMDadoda
 11/13/2018 12:19:10 PM



#59
 2-Hexanone
 Concen: 247.713 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.4	25.9	77.8





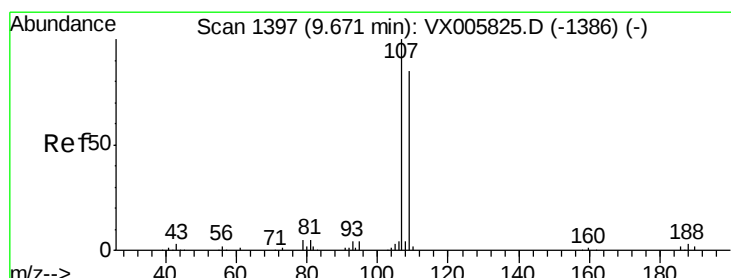
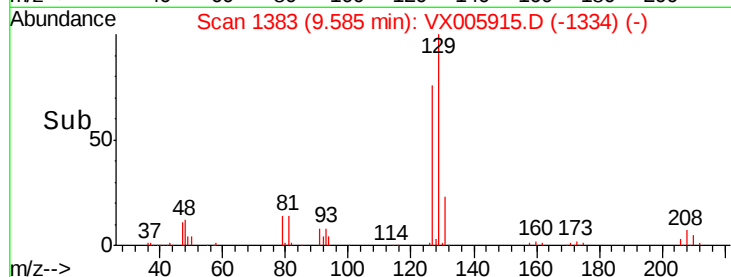
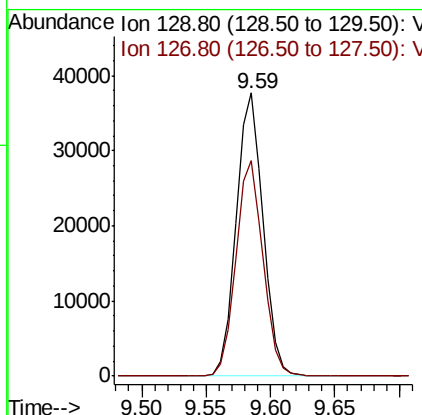
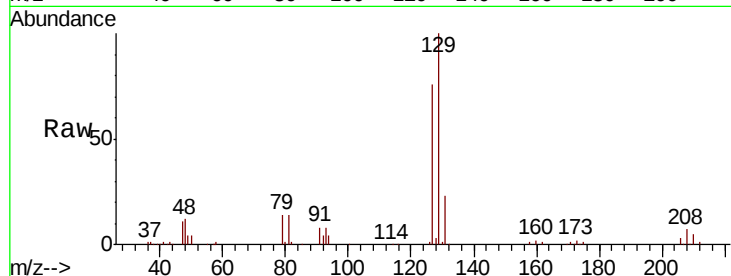
#60
 Dibromochloromethane
 Concen: 49.744 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion:129 Resp: 54403
 Ion Ratio Lower Upper
 129 100
 127 76.8 38.9 116.7

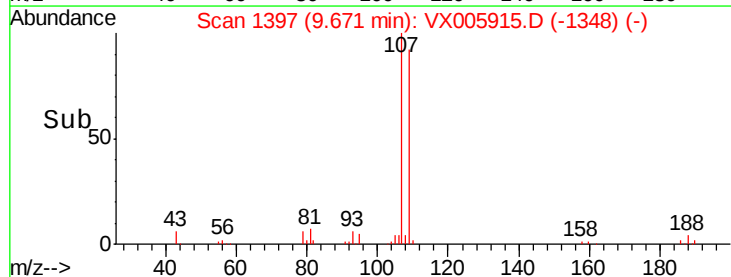
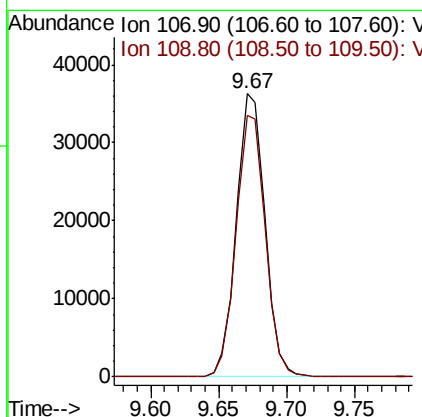
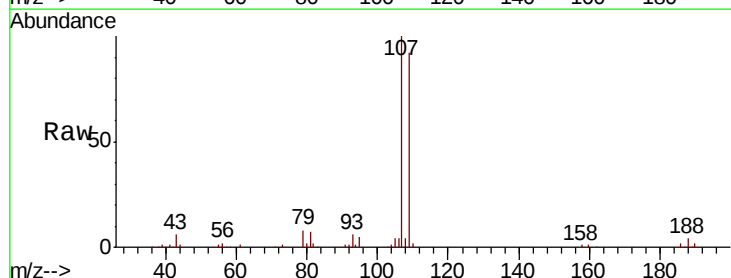
Manual Integrations
 APPROVED

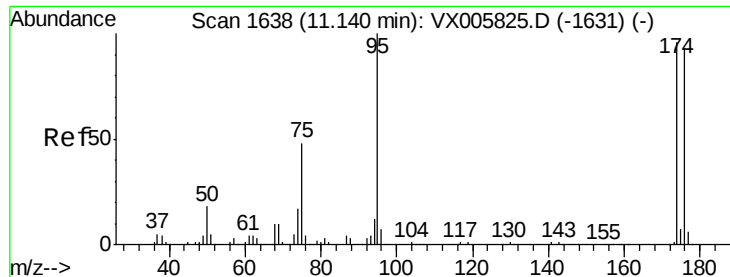
MMDadoda
 11/13/2018 12:19:10 PM



#61
 1,2-Dibromoethane
 Concen: 47.604 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion:107 Resp: 53269
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.7 113.5





#62

4-Bromofluorobenzene

Concen: 57.004 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

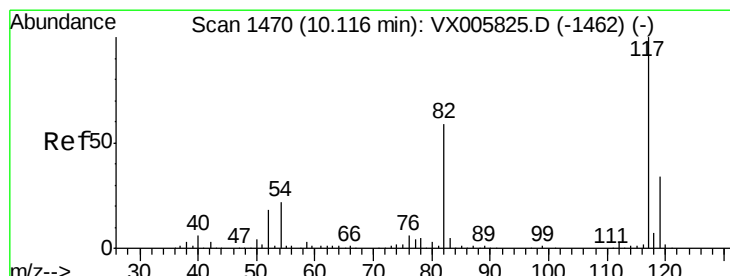
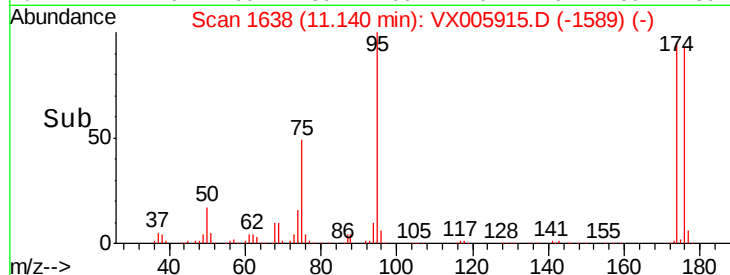
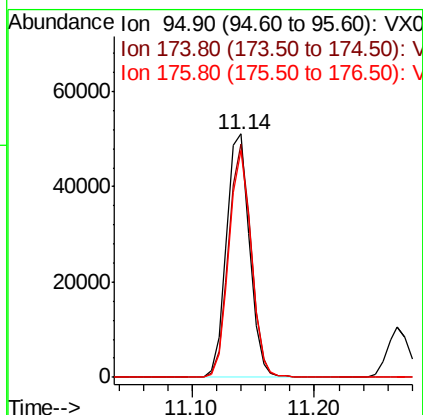
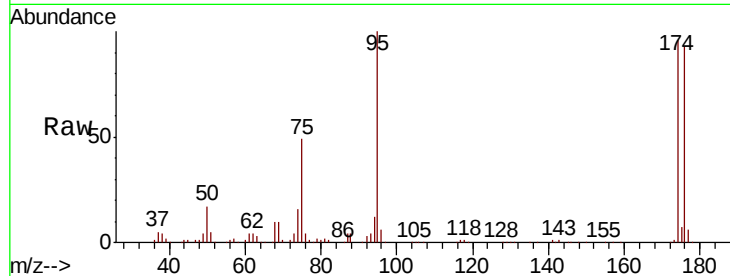
ClientSampleId :

SS003MW273-181108MS

Tot Ion:	95	Resp:	66996
Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	184.4
176	89.5	0.0	177.4

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

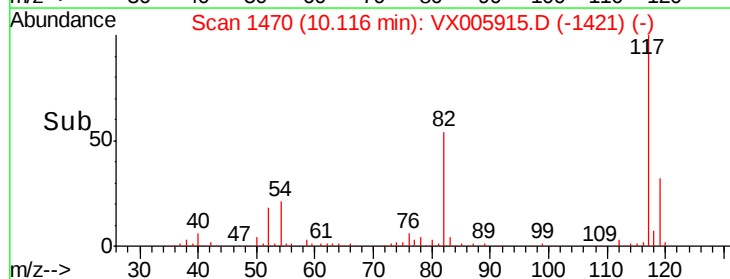
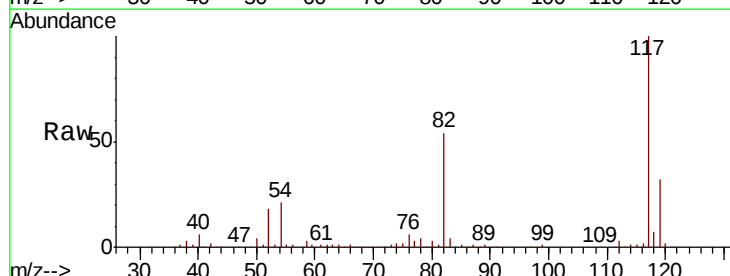
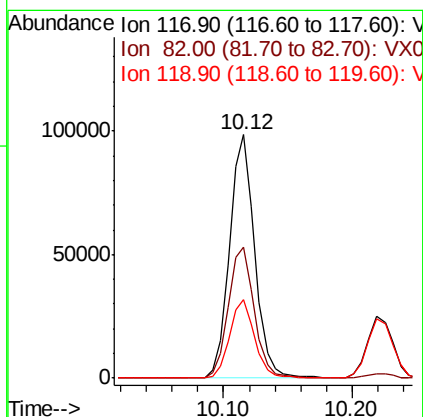
RT: 10.12 min Scan# 1470

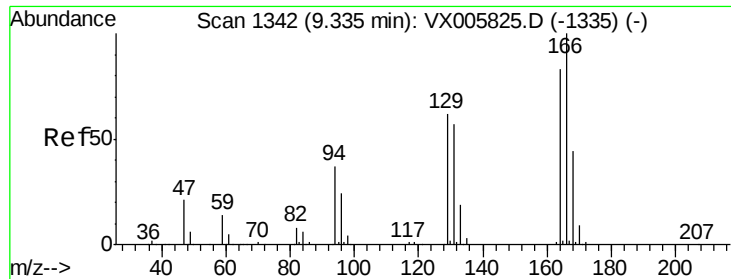
Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Tgt Ion:	117	Resp:	135038
Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.1	66.1
119	32.0	26.2	39.2





#64

Tetrachloroethene

Concen: 46.967 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion:164 Resp: 53999

Ion Ratio Lower Upper

164 100

166 130.2 101.9 152.9

129 89.7 72.6 109.0

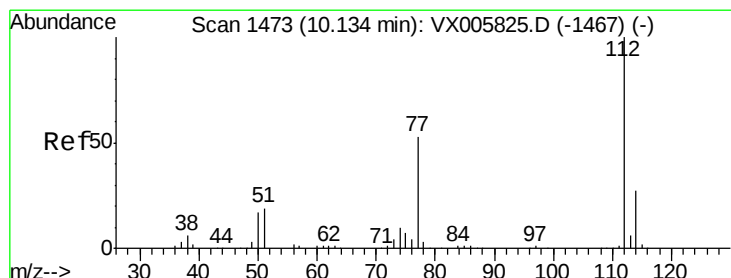
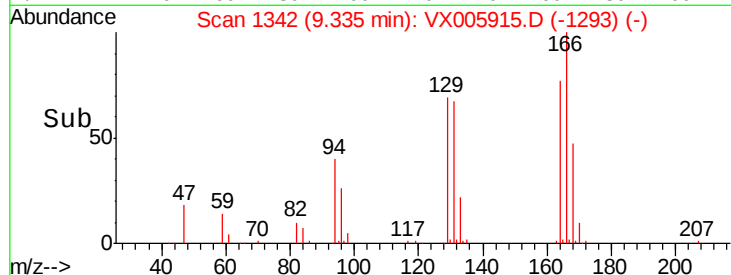
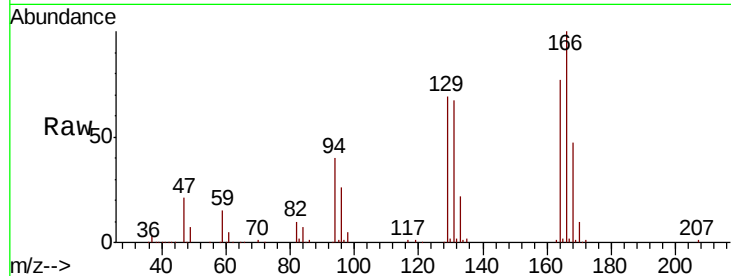
131 86.8 71.1 106.7

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#65

Chlorobenzene

Concen: 51.513 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX005915.D

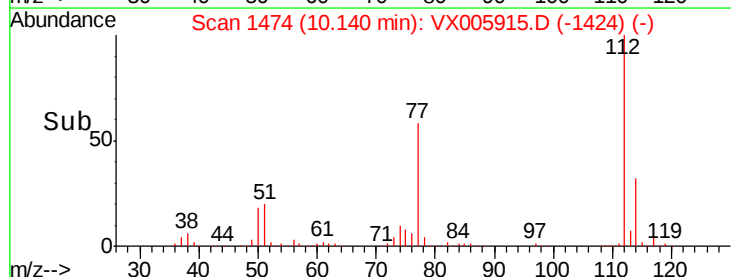
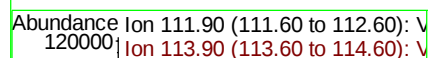
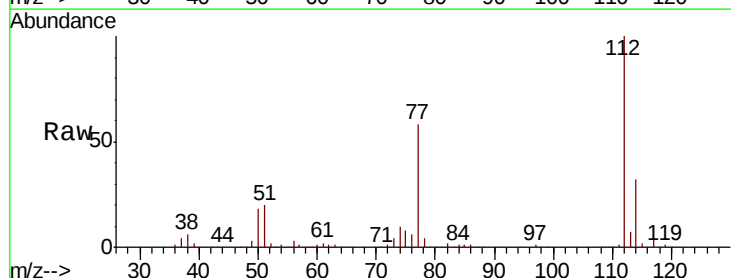
Acq: 12 Nov 2018 21:47

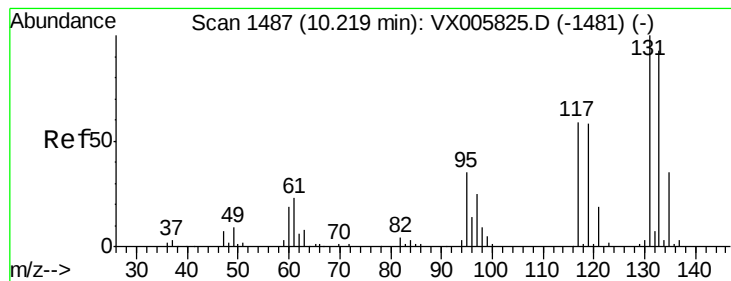
Tgt Ion:112 Resp: 139356

Ion Ratio Lower Upper

112 100

114 31.8 25.8 38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 53.932 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion:131 Resp: 50723

Ion Ratio Lower Upper

131 100

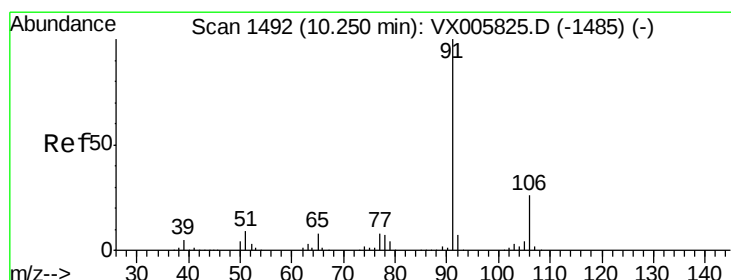
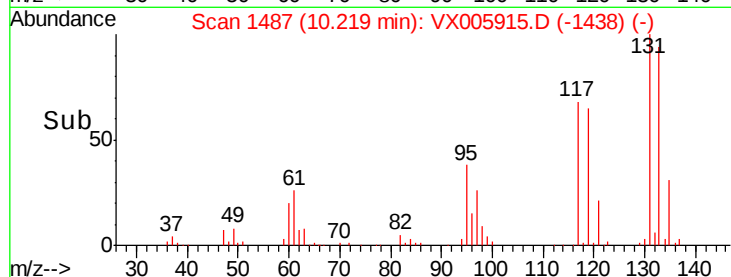
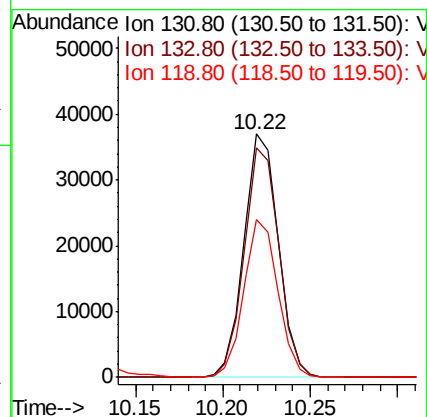
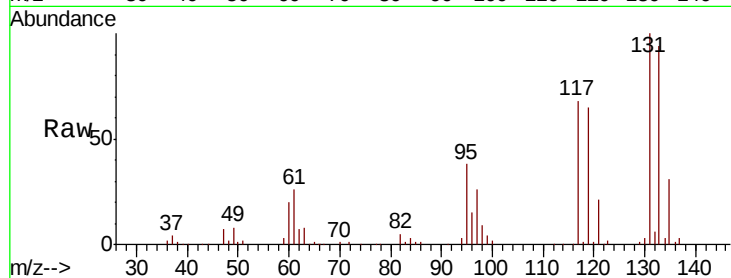
133 95.1 47.5 142.5

119 64.3 31.8 95.3

Manual Integrations
APPROVED

MMDadoda

11/13/2018 12:19:10 PM



#67

Ethyl Benzene

Concen: 54.497 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005915.D

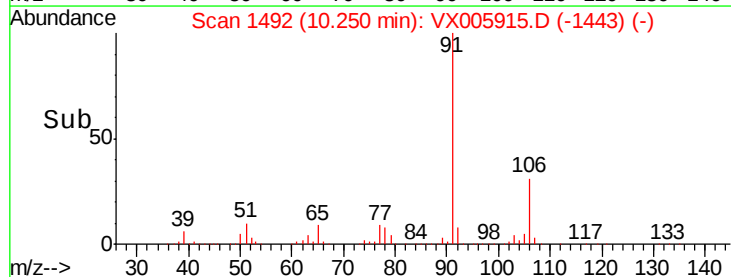
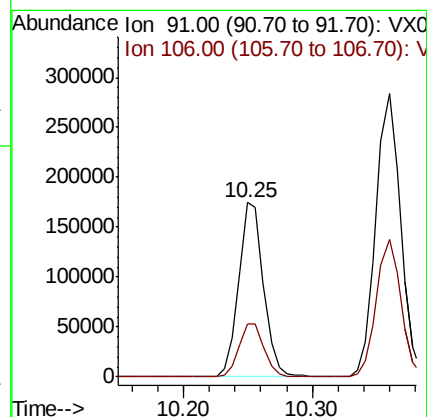
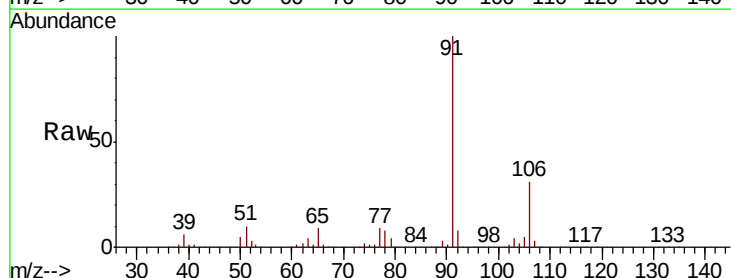
Acq: 12 Nov 2018 21:47

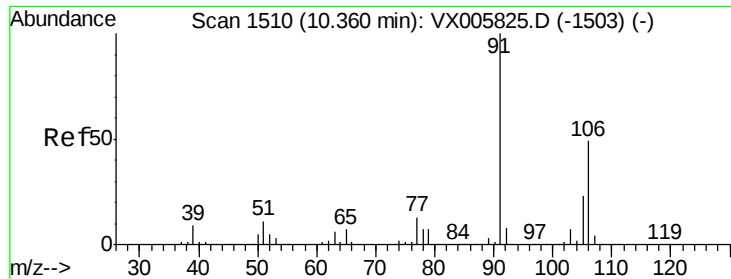
Tgt Ion: 91 Resp: 236405

Ion Ratio Lower Upper

91 100

106 30.7 24.4 36.6





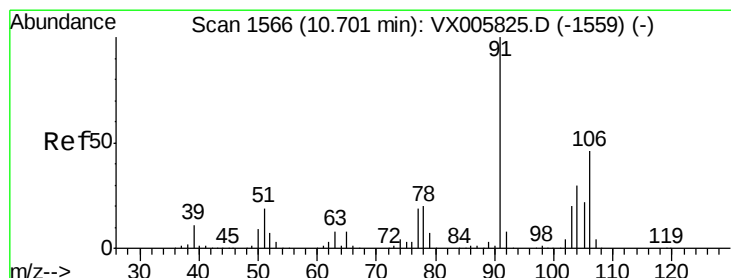
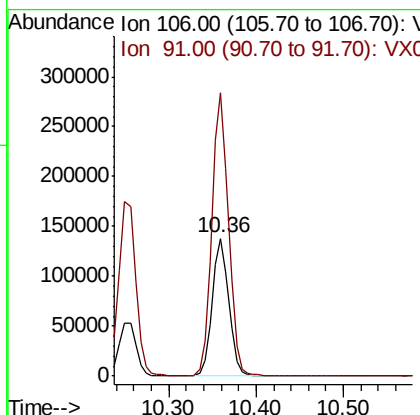
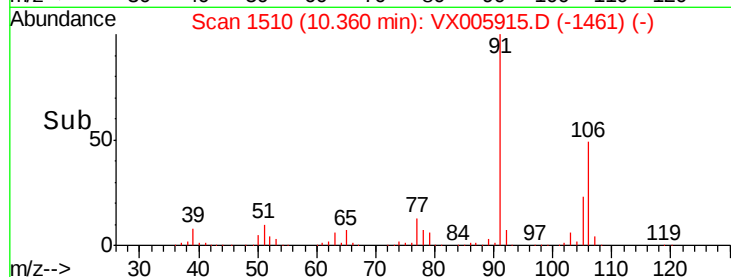
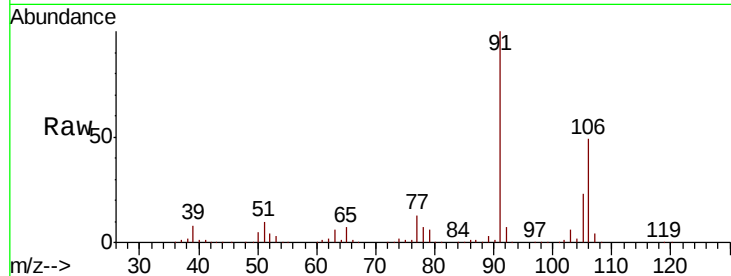
#68
m/p-Xylenes
Concen: 110.321 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion:106 Resp: 182543
Ion Ratio Lower Upper
106 100
91 206.3 164.2 246.4

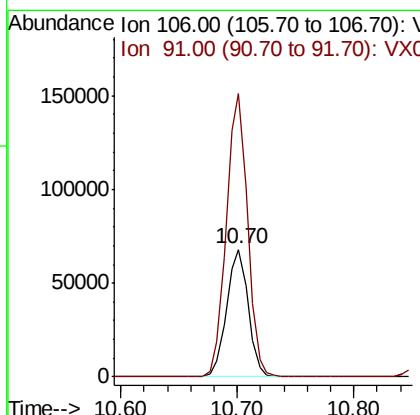
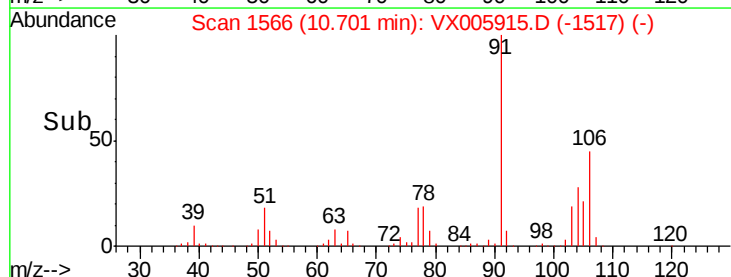
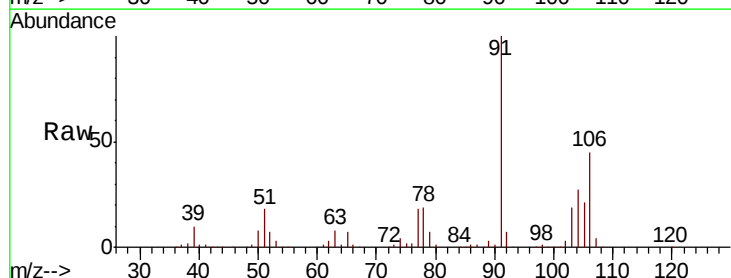
Manual Integrations
APPROVED

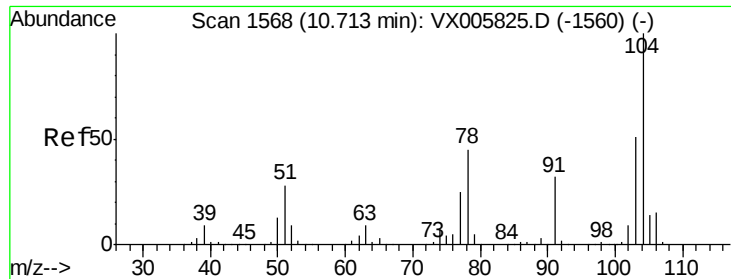
MMDadoda
11/13/2018 12:19:10 PM



#69
o-Xylene
Concen: 58.712 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion:106 Resp: 87112
Ion Ratio Lower Upper
106 100
91 219.6 108.5 325.5





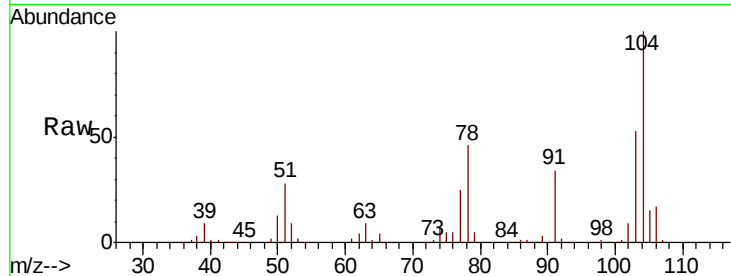
#70
Stvrene
Concen: 59.925 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.2	60.4
103	57.0	44.9	67.3

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM

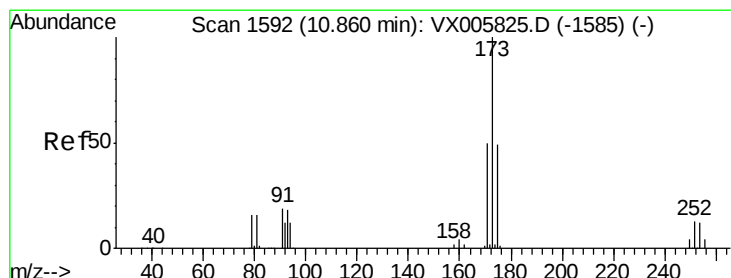
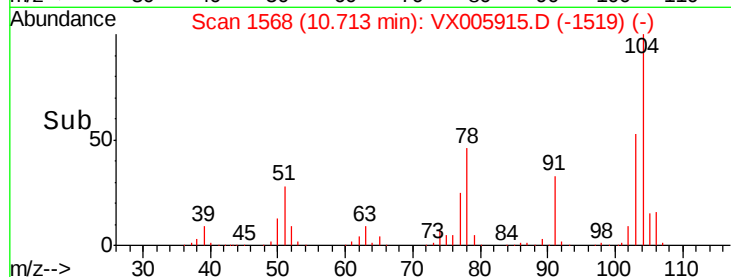
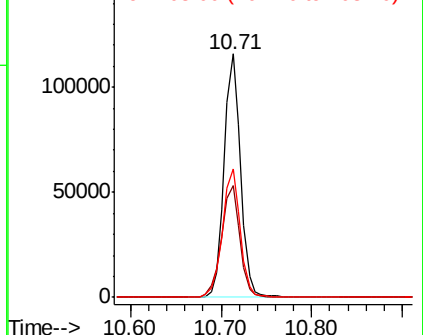


Abundance

Ion 104.00 (103.70 to 104.70): V

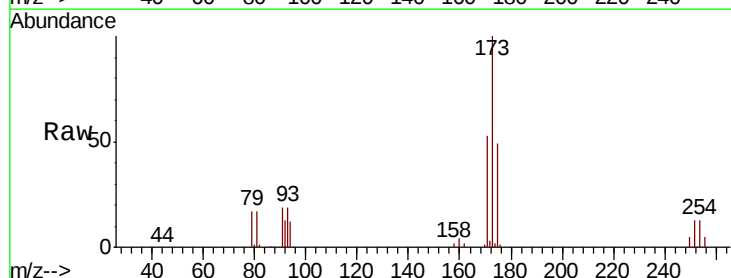
Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 57.316 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.1	0.2	0.2#

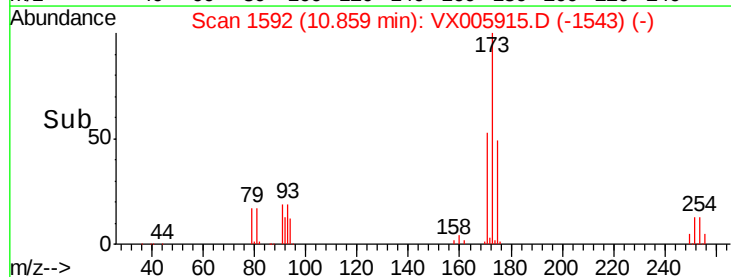
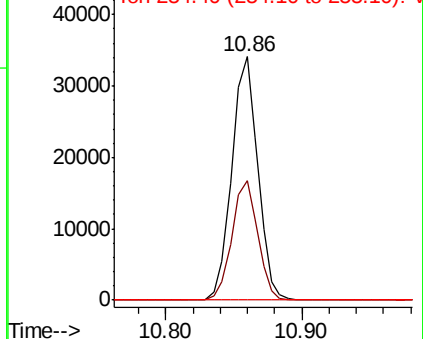


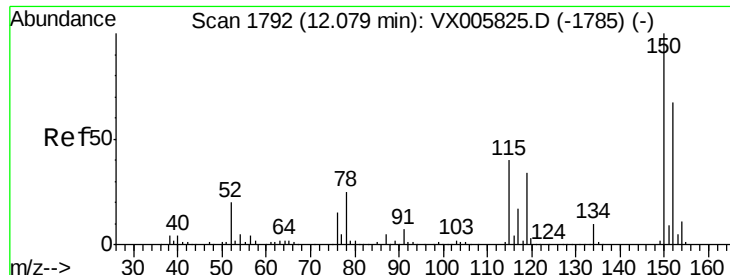
Abundance

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

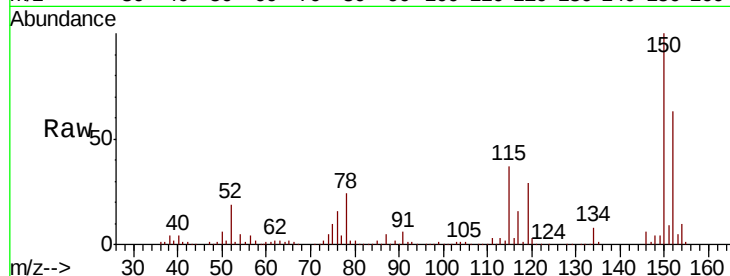
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	77.6	39.4	118.1
150	173.6	0.0	346.4

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM

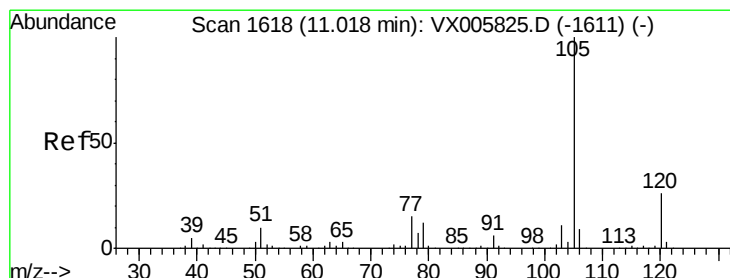
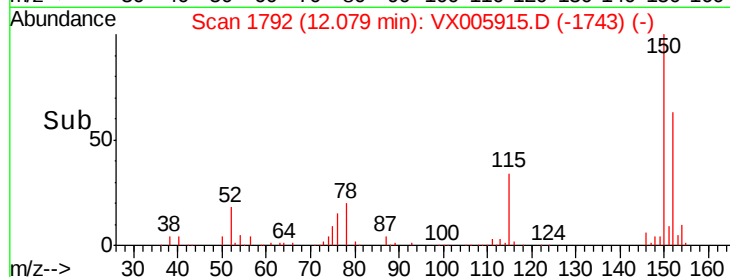
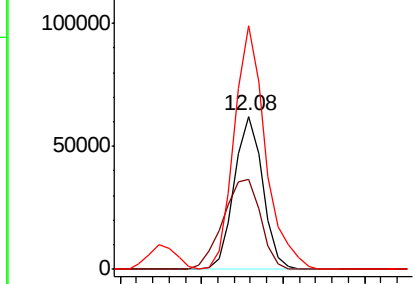


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

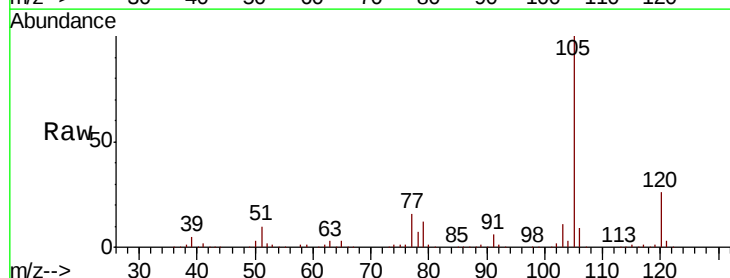
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 54.912 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

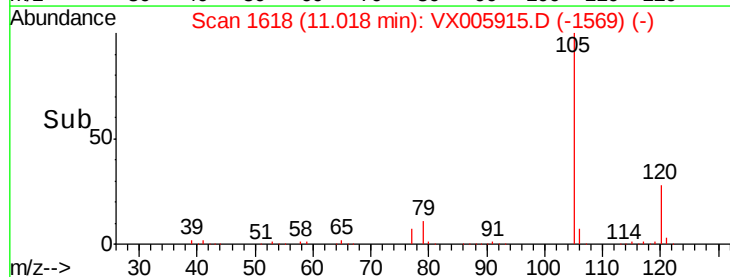
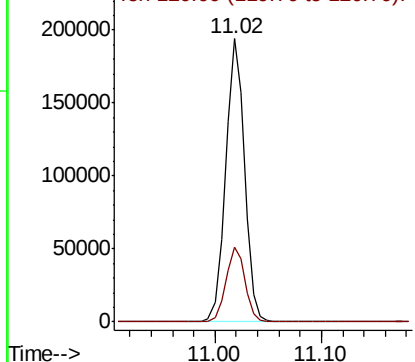
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

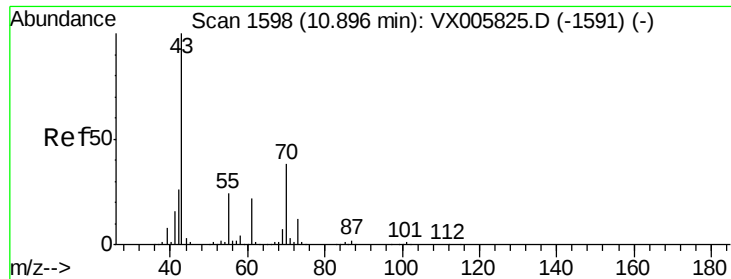


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.103 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

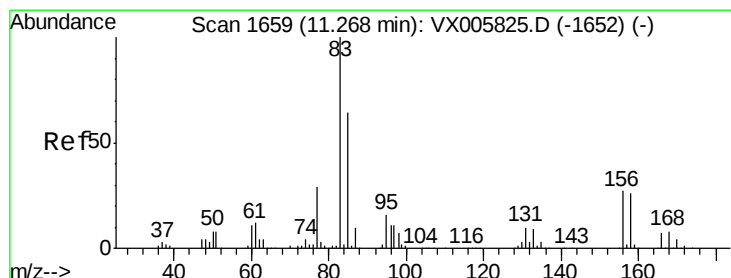
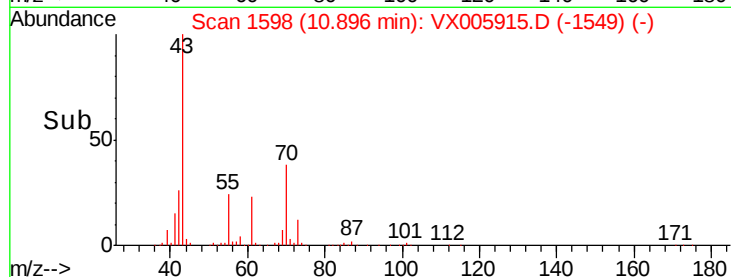
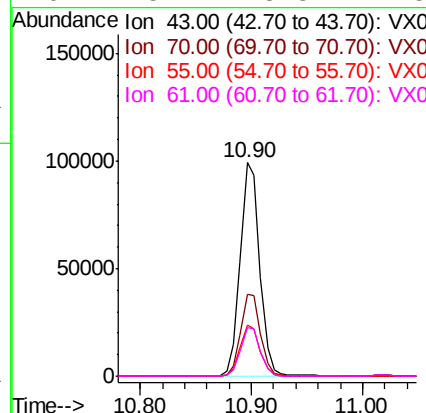
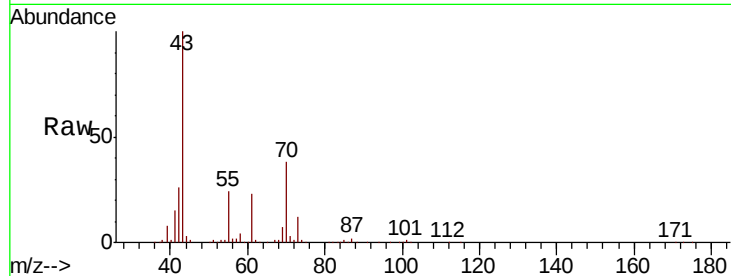
ClientSampleId :

SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.4	31.6	47.4
55	24.4	19.7	29.5
61	23.1	18.3	27.5

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 51.972 ug/l

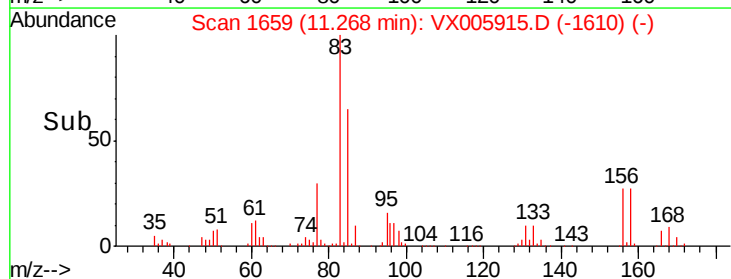
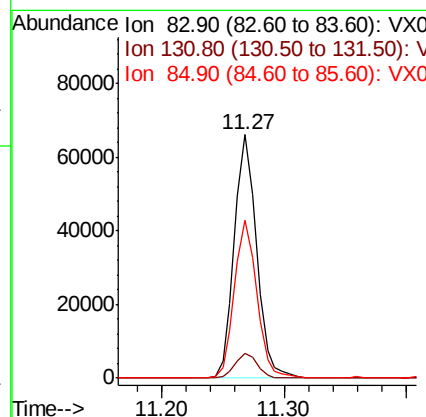
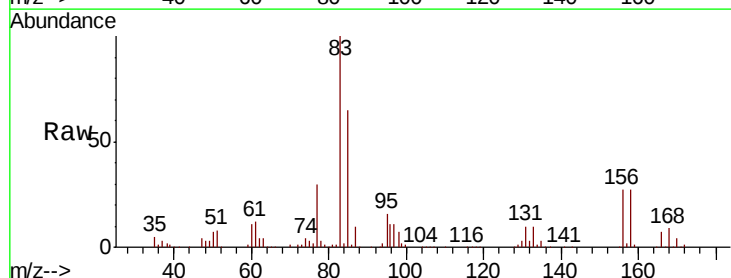
RT: 11.27 min Scan# 1659

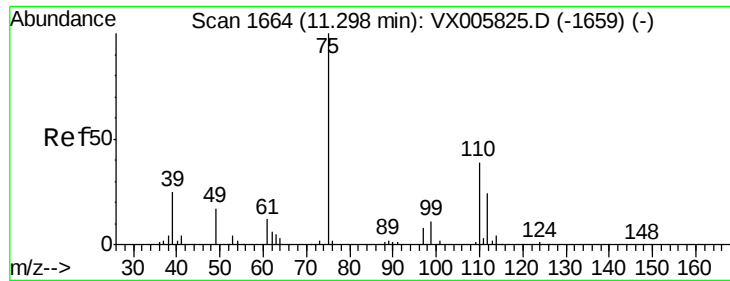
Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	65.1	32.0	96.2





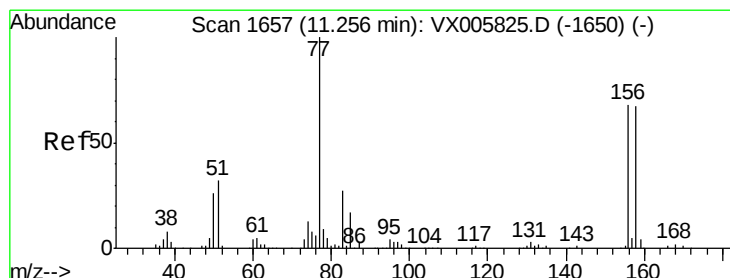
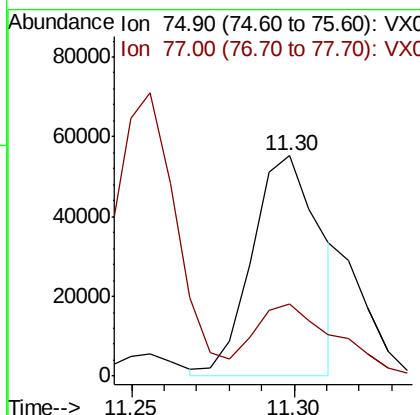
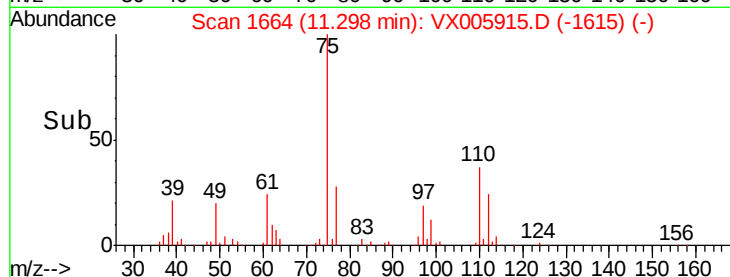
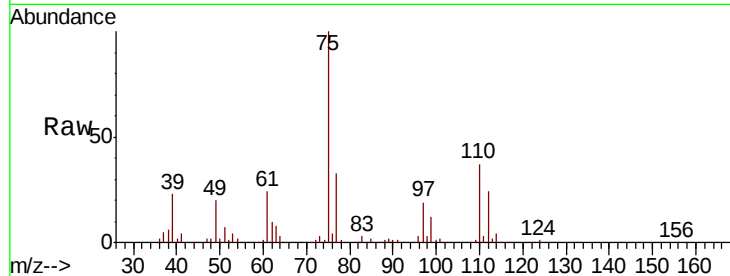
#76
 1,2,3-Trichloropropane
 Concen: 52.478 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion: 75 Resp: 80834
 Ion Ratio Lower Upper
 75 100
 77 39.0 20.5 61.6

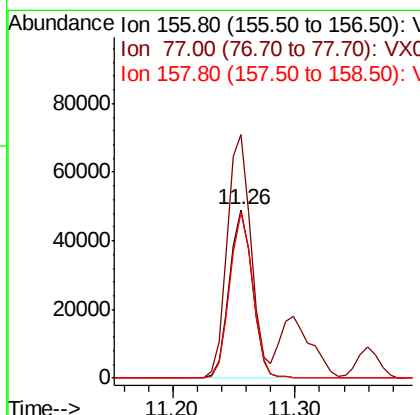
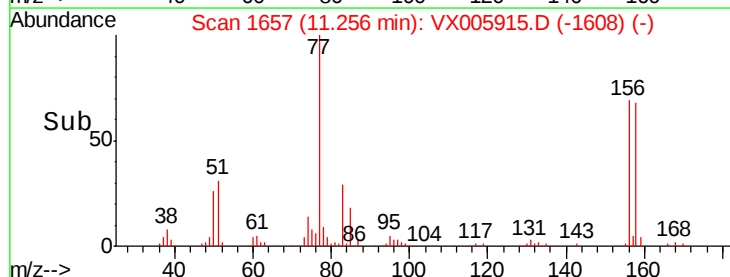
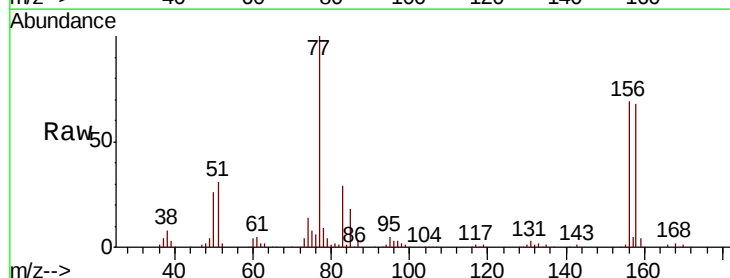
Manual Integrations
 APPROVED

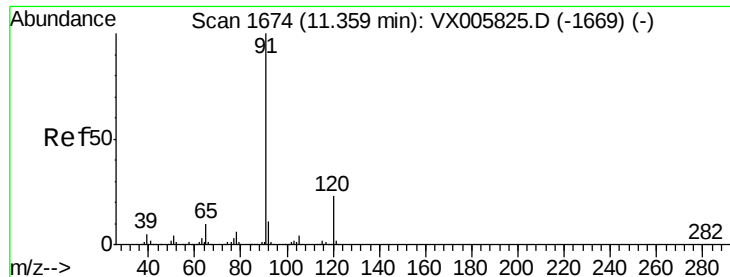
MMDadoda
 11/13/2018 12:19:10 PM



#77
 Bromobenzene
 Concen: 51.704 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion: 156 Resp: 63752
 Ion Ratio Lower Upper
 156 100
 77 149.9 74.8 224.4
 158 98.1 49.1 147.3





#78

n-propylbenzene

Concen: 53.612 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

ClientSampleId :

SS003MW273-181108MS

Tot Ion: 91 Resp: 276400

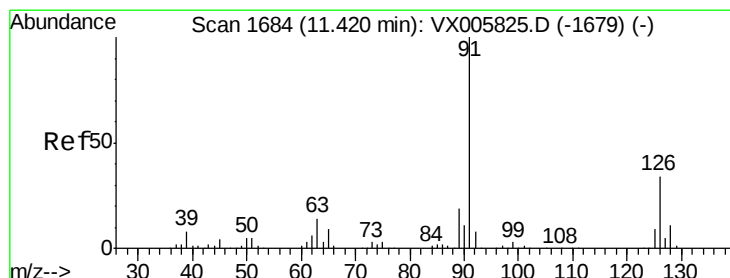
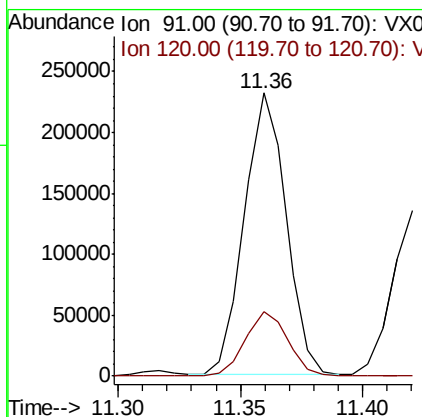
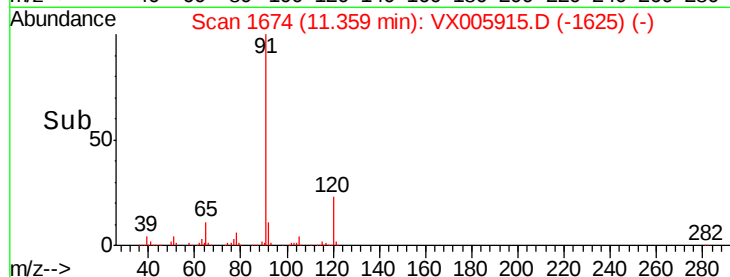
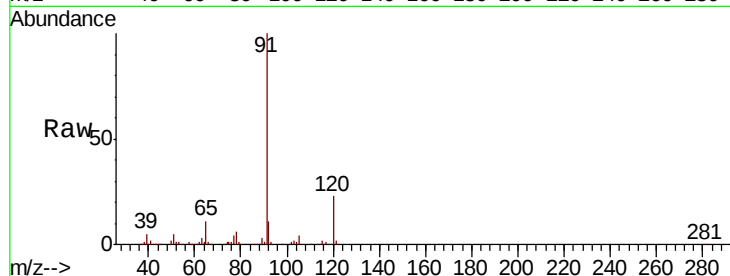
Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.5

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



#79

2-Chlorotoluene

Concen: 52.706 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005915.D

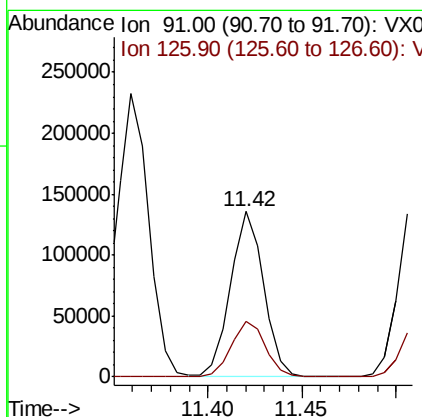
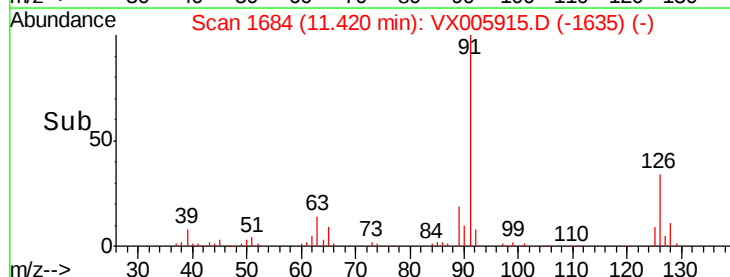
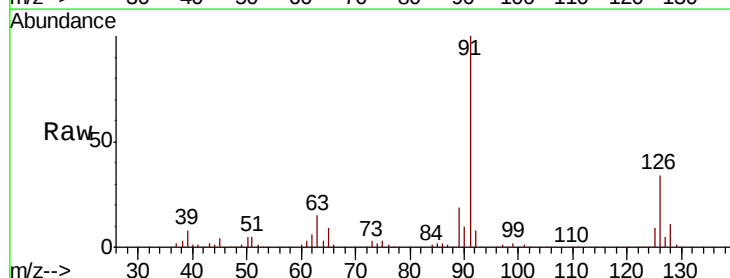
Acq: 12 Nov 2018 21:47

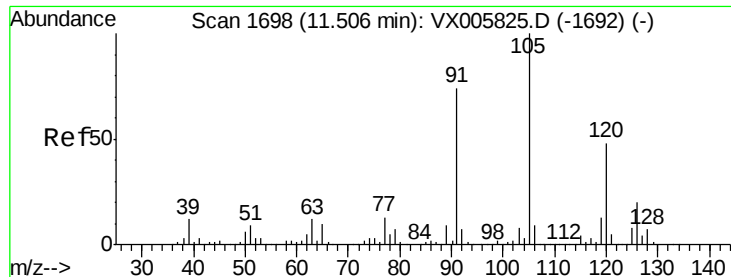
Tgt Ion: 91 Resp: 164242

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0





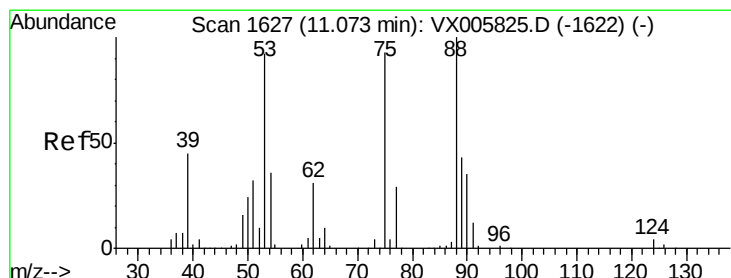
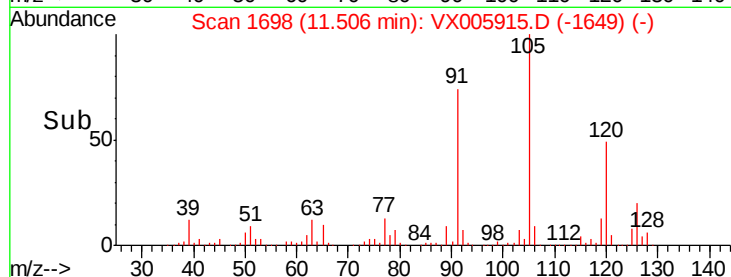
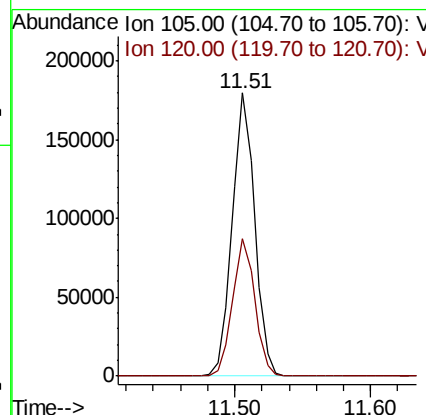
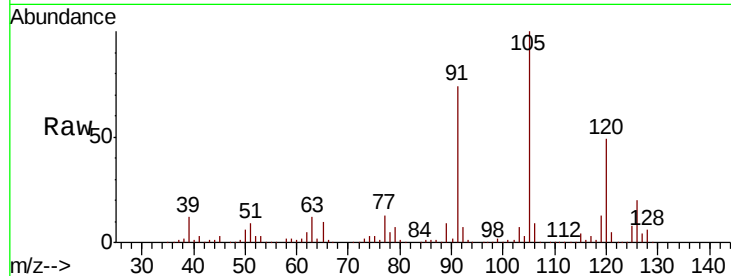
#80
 1,3,5-Trimethylbenzene
 Concen: 55.457 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion:105 Resp: 206162
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2

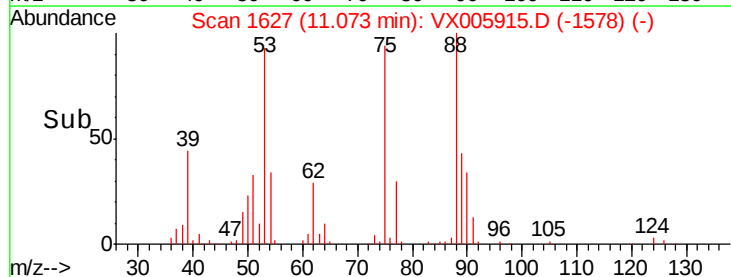
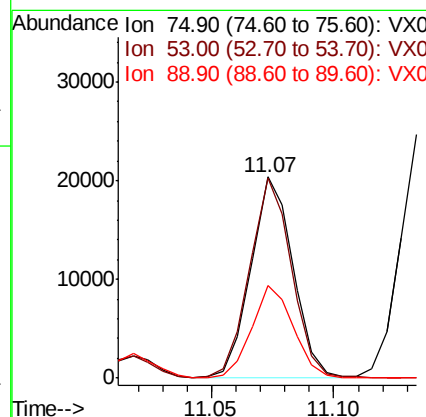
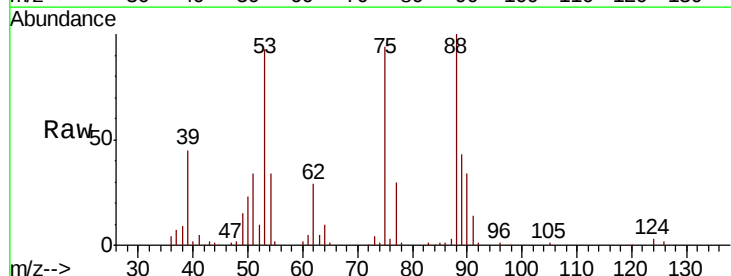
Manual Integrations
 APPROVED

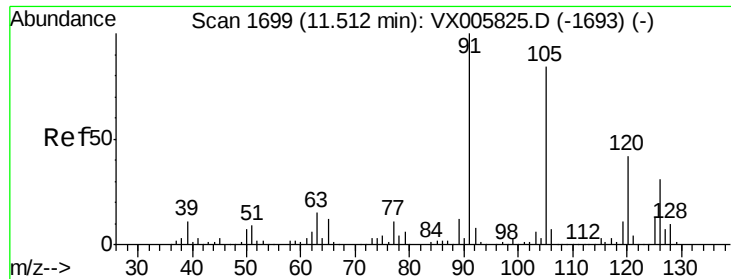
MMDadoda
 11/13/2018 12:19:10 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.338 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion: 75 Resp: 24328
 Ion Ratio Lower Upper
 75 100
 53 100.0 80.2 120.2
 89 45.9 39.8 59.8





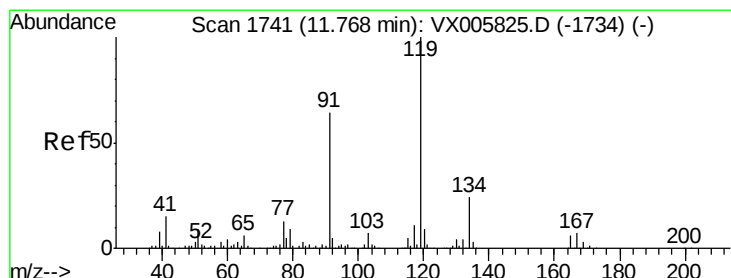
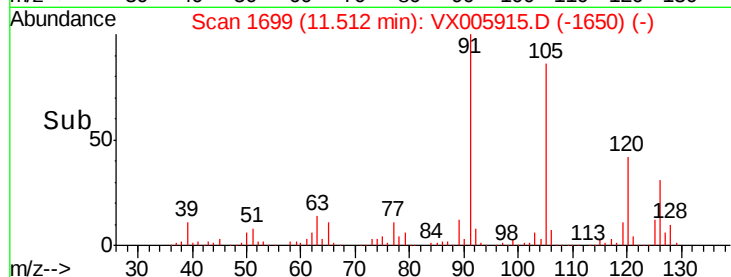
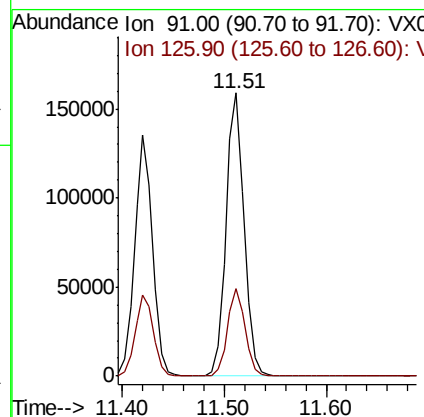
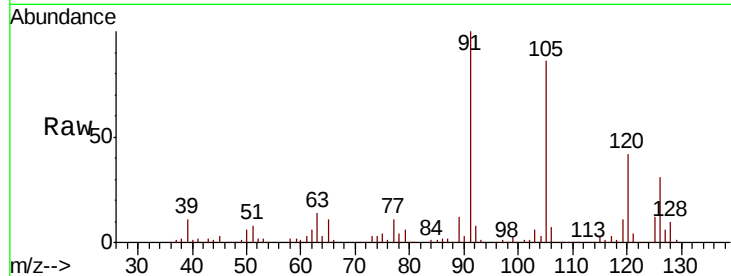
#82
4-Chlorotoluene
Concen: 53.313 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion: 91 Resp: 195794
Ion Ratio Lower Upper
91 100
126 30.2 15.2 45.6

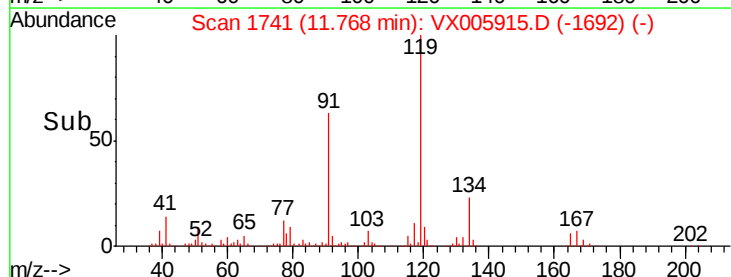
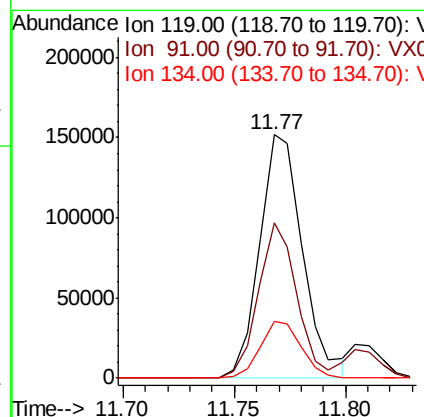
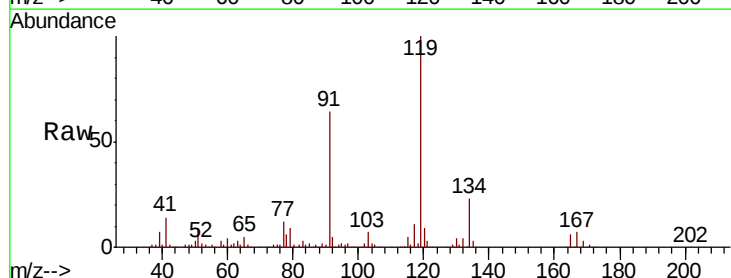
Manual Integrations
APPROVED

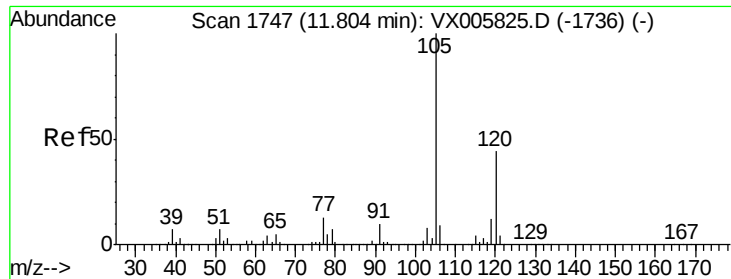
MMDadoda
11/13/2018 12:19:10 PM



#83
tert-Butylbenzene
Concen: 54.345 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion: 119 Resp: 204384
Ion Ratio Lower Upper
119 100
91 56.9 28.5 85.5
134 22.3 11.3 33.8





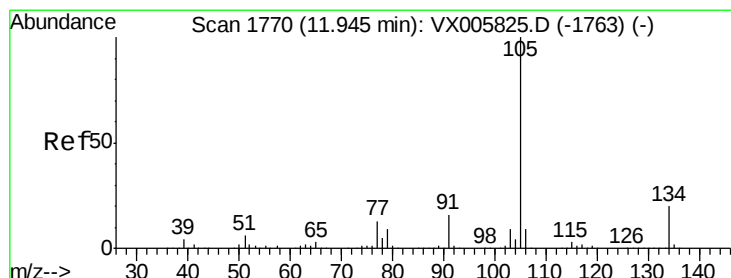
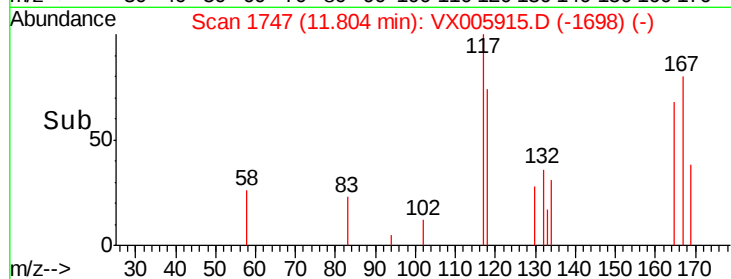
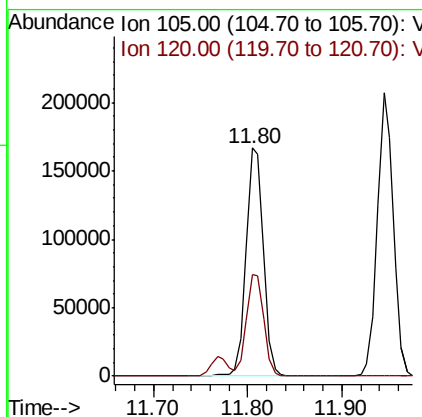
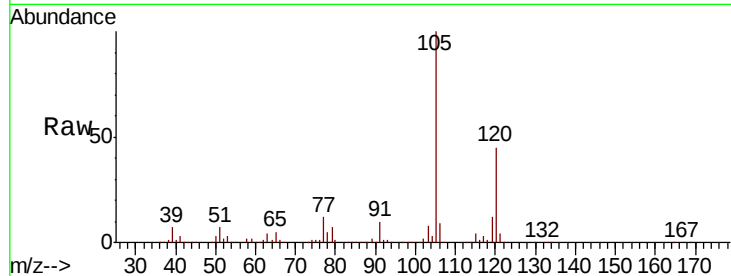
#84
 1,2,4-Trimethylbenzene
 Concen: 51.486 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion:105 Resp: 211209
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0

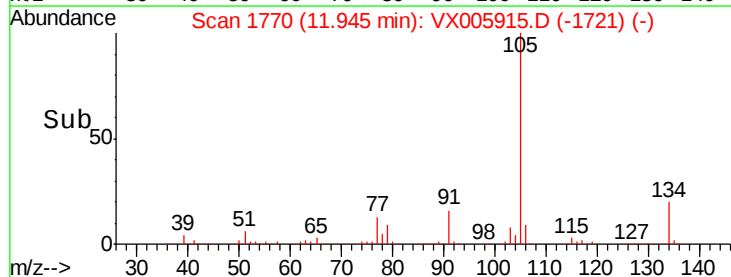
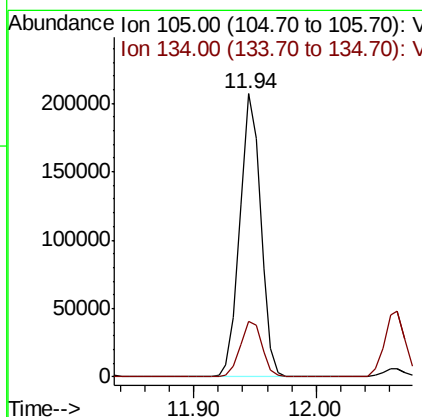
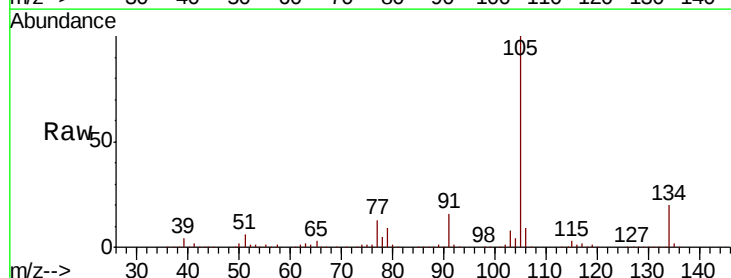
Manual Integrations
 APPROVED

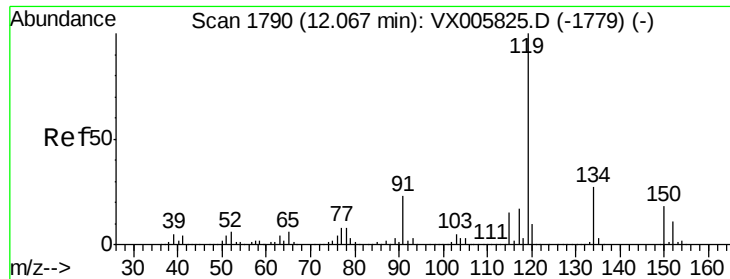
MMDadoda
 11/13/2018 12:19:10 PM



#85
 sec-Butylbenzene
 Concen: 52.946 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion:105 Resp: 243497
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4





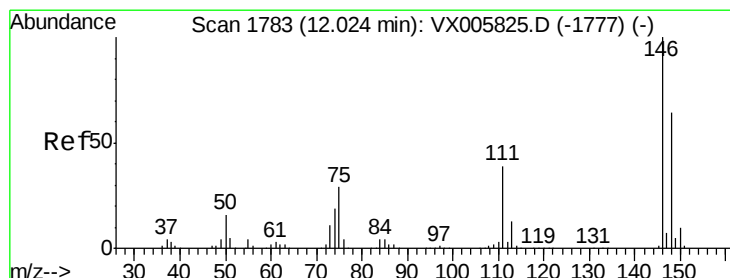
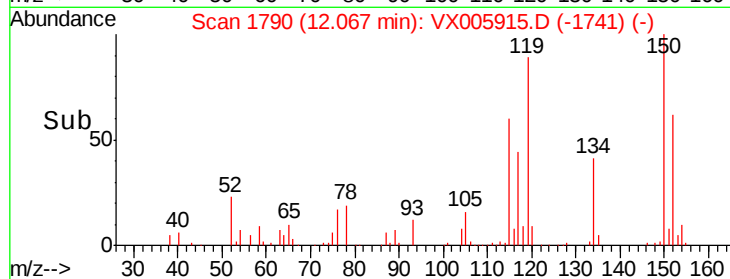
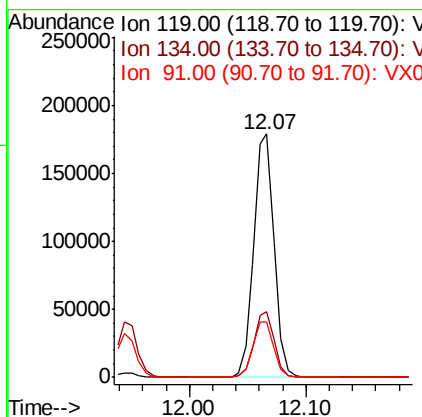
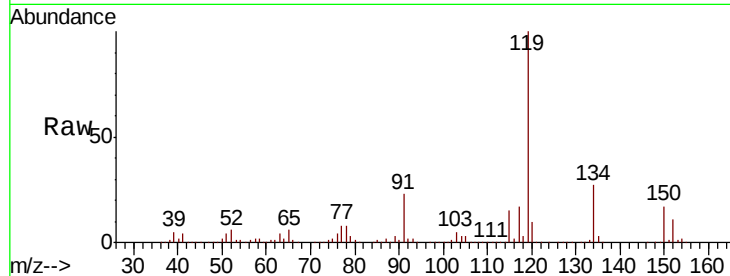
#86
 p-Isopropyltoluene
 Concen: 53.615 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.0	39.0
91	23.3	11.4	34.2

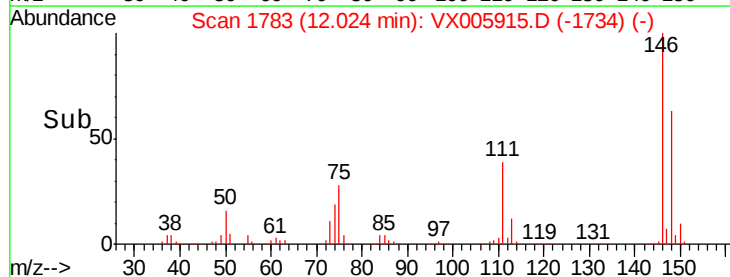
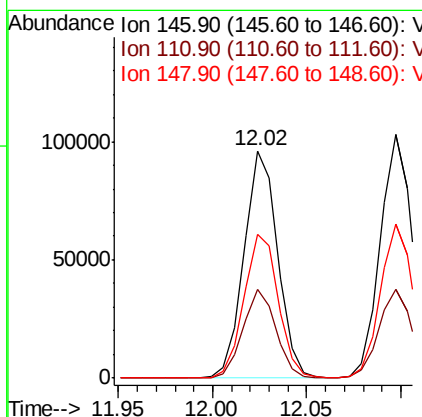
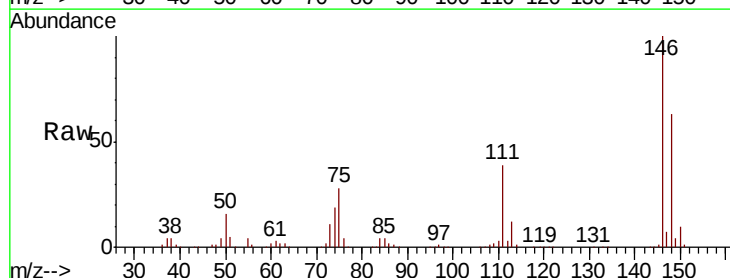
Manual Integrations
 APPROVED

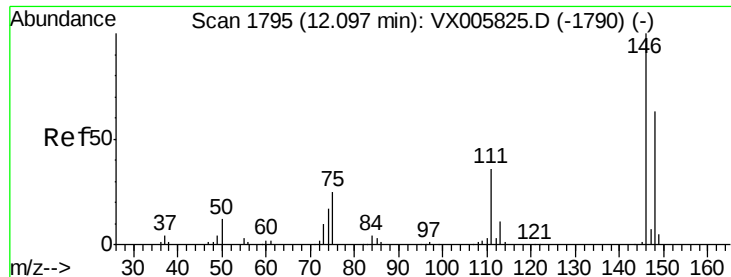
MMDadoda
 11/13/2018 12:19:10 PM



#87
 1,3-Dichlorobenzene
 Concen: 50.409 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.4	31.9	95.9





#88

1,4-Dichlorobenzene

Concen: 51.478 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

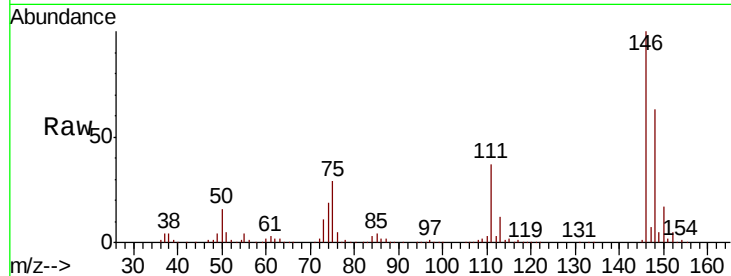
ClientSampleId :

SS003MW273-181108MS

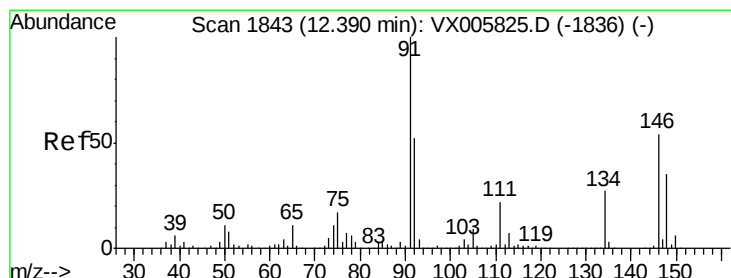
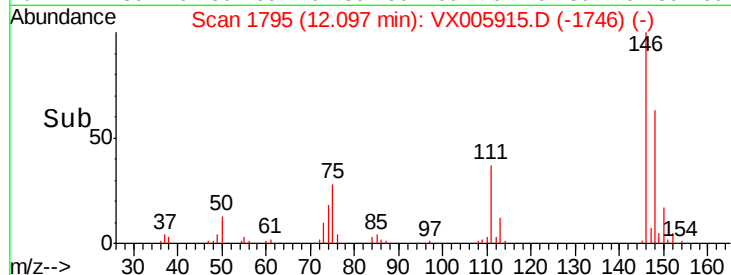
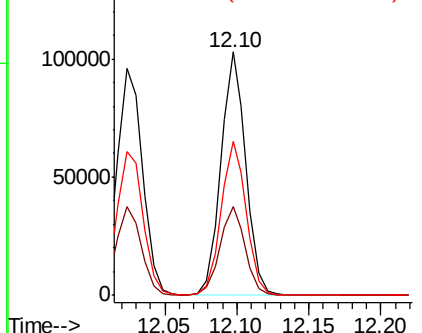
Tot Ion:	146	Resp:	124702
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	63.8	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.582 ug/l

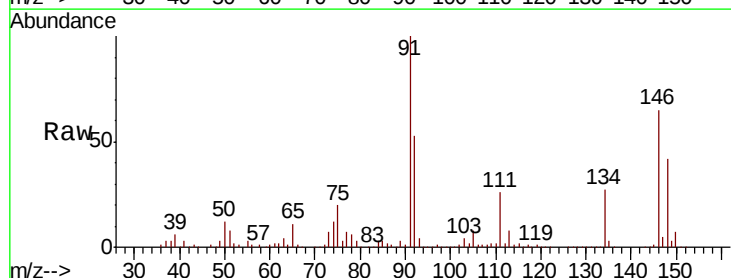
RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

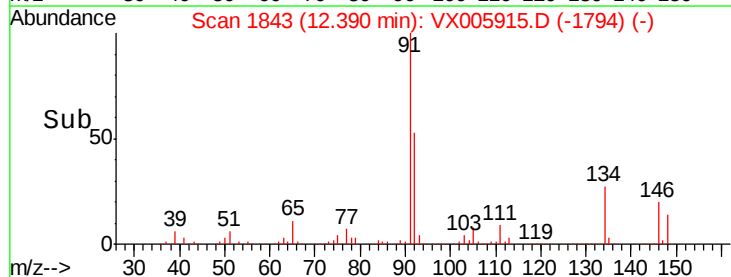
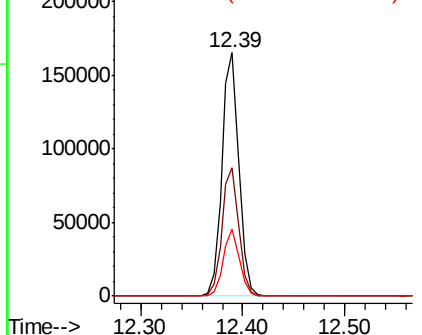
Lab File: VX005915.D

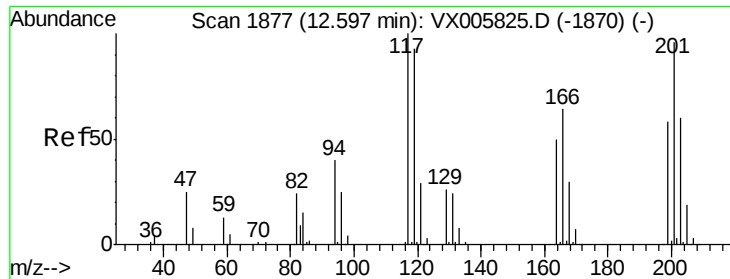
Acq: 12 Nov 2018 21:47

Tgt Ion:	91	Resp:	190974
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.1	78.2
134	26.2	13.1	39.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





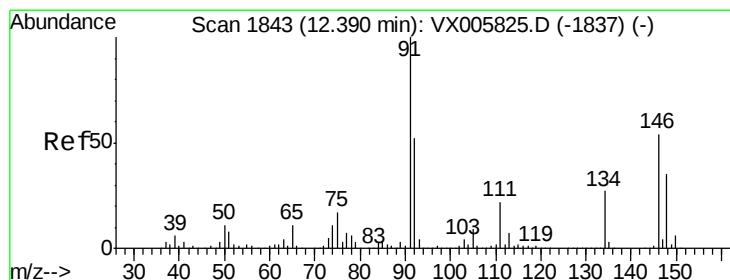
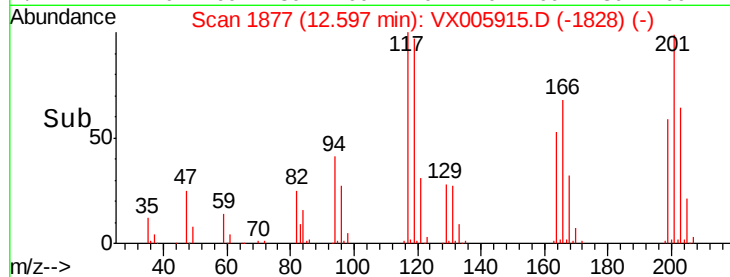
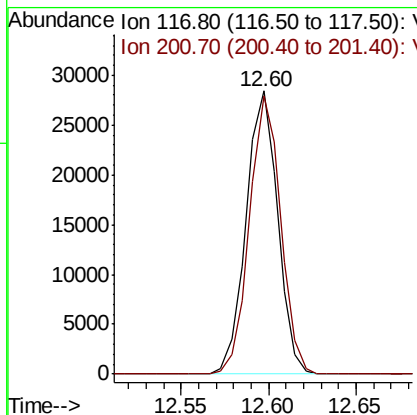
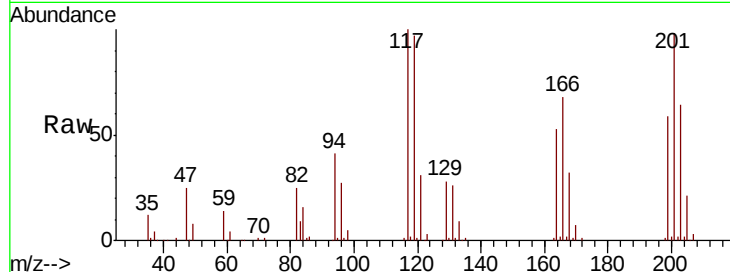
#90
Hexachloroethane
Concen: 52.778 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	97.3	47.9	143.6

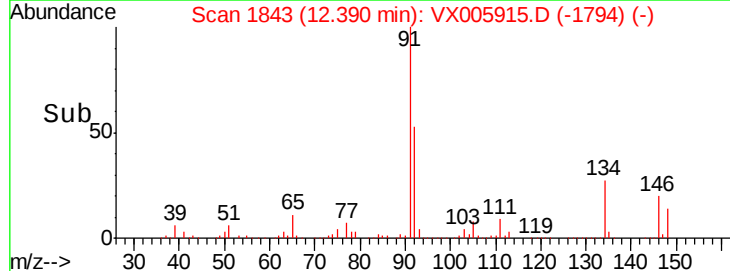
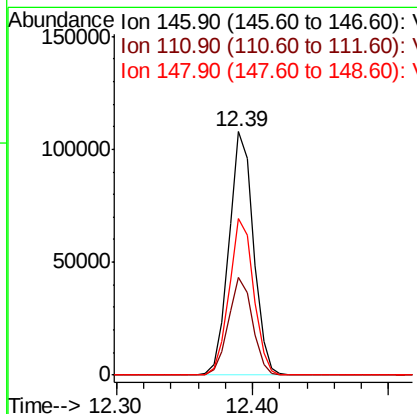
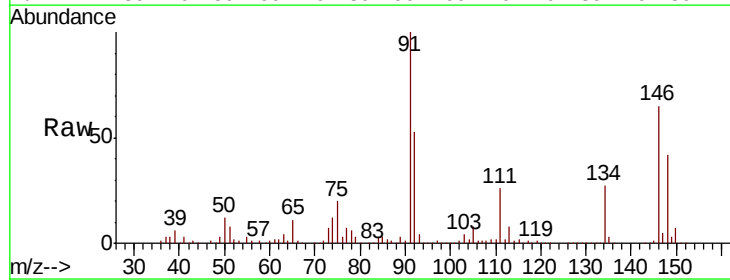
Manual Integrations
APPROVED

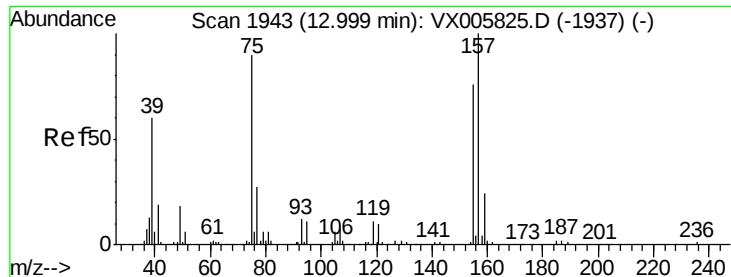
MMDadoda
11/13/2018 12:19:10 PM



#91
1,2-Dichlorobenzene
Concen: 56.725 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.0	32.2	96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.200 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Instrument :

MSVOA_X

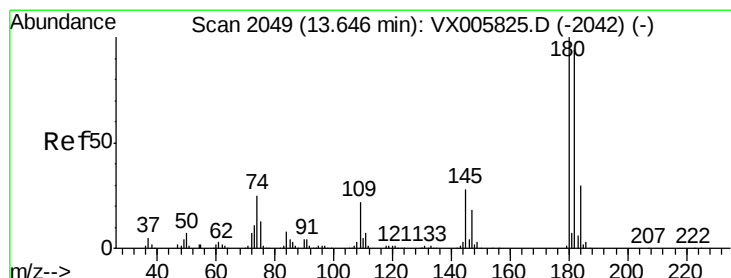
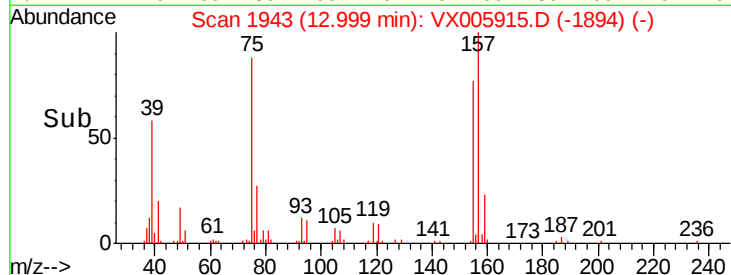
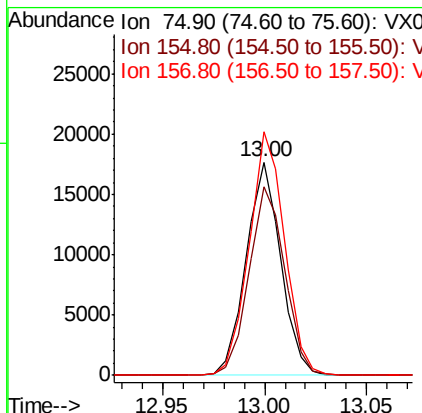
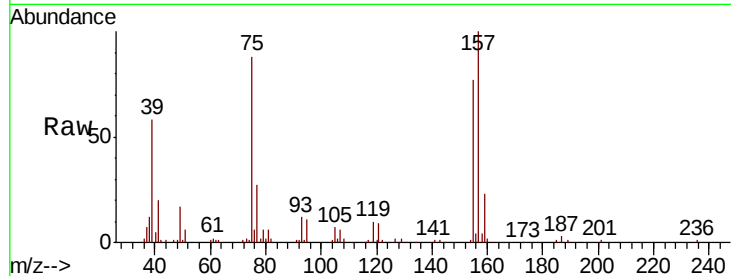
ClientSampleId :

SS003MW273-181108MS

Tot Ion:	75	Resp:	20845
Ion Ratio	Lower	Upper	
75	100		
155	91.5	45.4	136.1
157	117.0	57.4	172.0

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:10 PM



#93

1,2,4-Trichlorobenzene

Concen: 52.967 ug/l

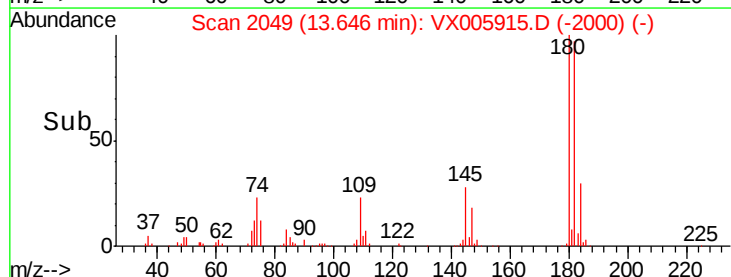
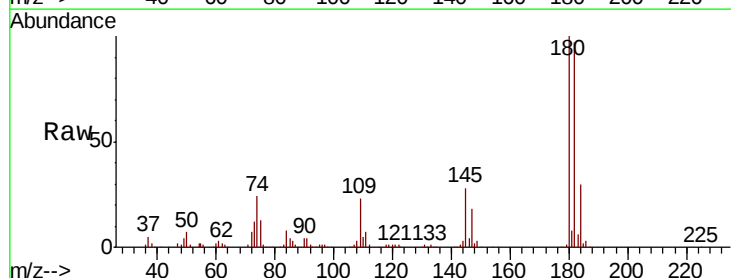
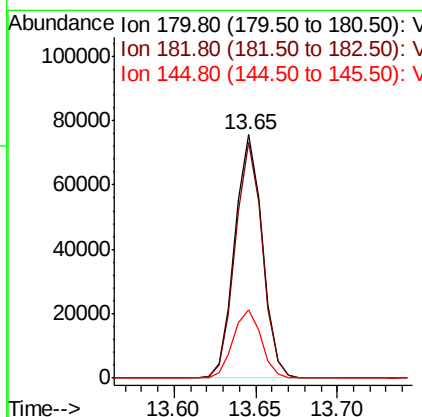
RT: 13.65 min Scan# 2049

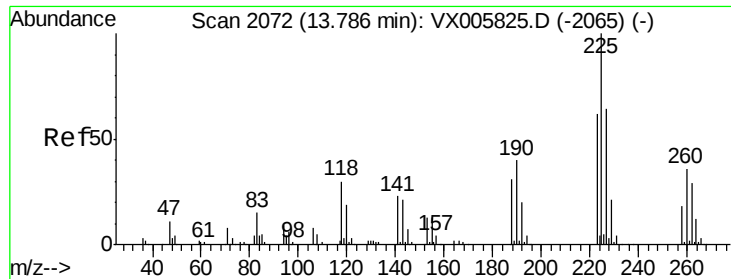
Delta R.T. -0.00 min

Lab File: VX005915.D

Acq: 12 Nov 2018 21:47

Tgt Ion:	180	Resp:	88391
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.6	142.8
145	28.6	14.1	42.2





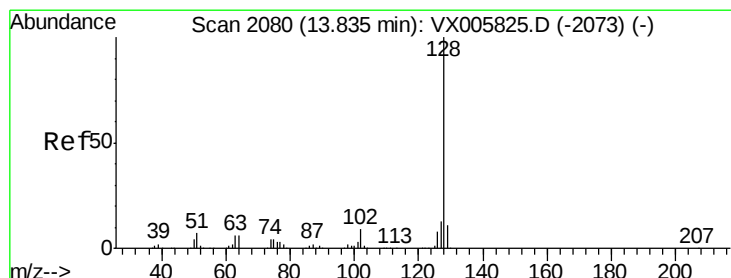
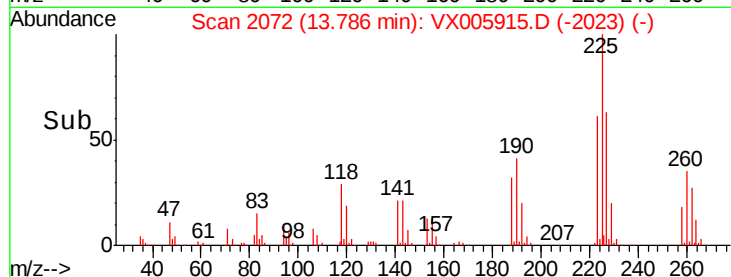
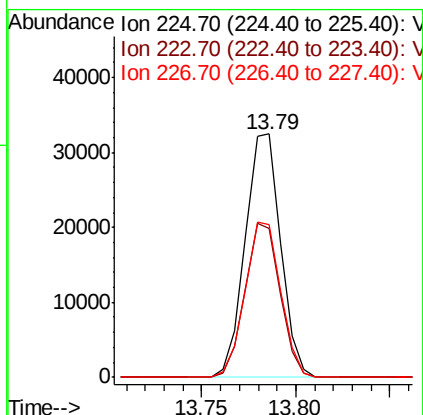
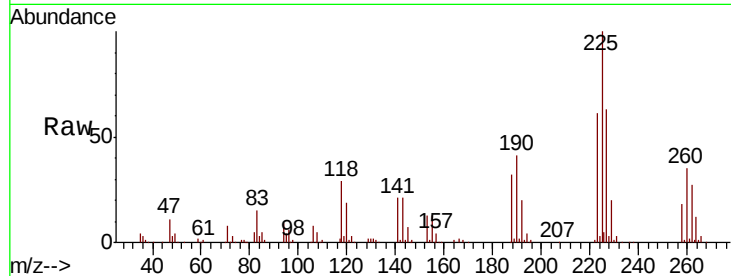
#94
Hexachlorobutadiene
Concen: 48.448 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Instrument :
MSVOA_X
ClientSampleId :
SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.7	95.1
227	63.9	32.3	96.9

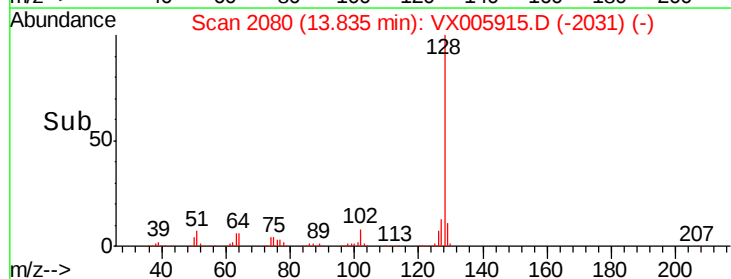
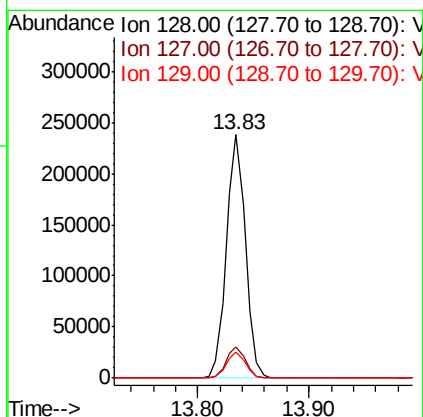
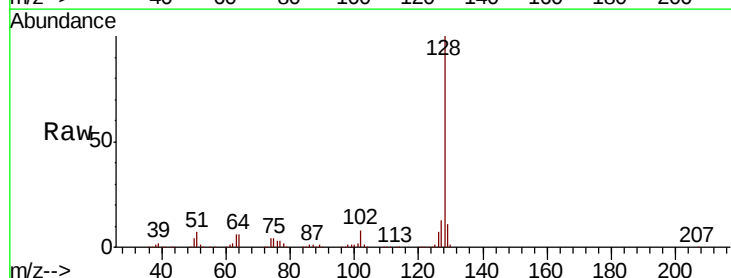
Manual Integrations
APPROVED

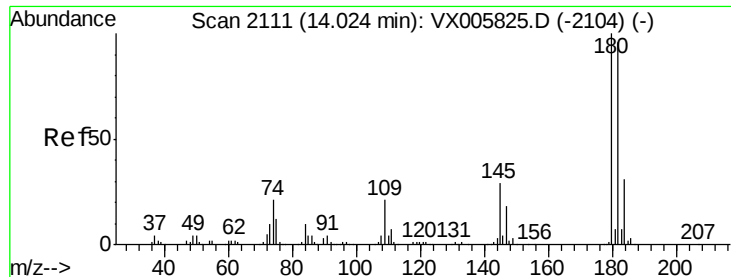
MMDadoda
11/13/2018 12:19:10 PM



#95
Naphthalene
Concen: 51.409 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005915.D
Acq: 12 Nov 2018 21:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.7	13.1





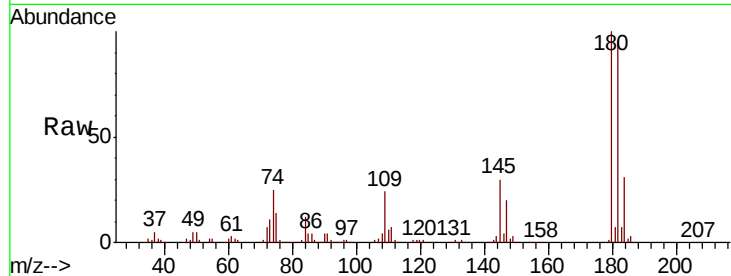
#96
 1,2,3-Trichlorobenzene
 Concen: 53.373 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VX005915.D
 Acq: 12 Nov 2018 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW273-181108MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.2
145	29.9	15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:10 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

