

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010001.D
 Acq On : 31 May 2019 22:37
 Operator : JC/SP
 Sample : VX0531WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:25 AM

Quant Time: Jun 01 06:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109524	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	5.50	113	80554	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.71	98	324841	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.13	95	117401	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41253	20.372	ug/l	99
3) Chloromethane	1.33	50	47013	17.269	ug/l	99
4) Vinyl Chloride	1.41	62	43173	17.592	ug/l	98
5) Bromomethane	1.64	94	23052	15.503	ug/l	95
6) Chloroethane	1.72	64	26869	17.785	ug/l	96
7) Trichlorofluoromethane	1.93	101	51520	18.997	ug/l	96
8) Diethyl Ether	2.19	74	22316	17.511	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30589	18.682	ug/l	99
10) Methyl Iodide	2.51	142	22743	14.829	ug/l	100
11) Tert butyl alcohol	3.04	59	64390	111.770	ug/l	97
12) 1,1-Dichloroethene	2.37	96	31337	18.672	ug/l	98
13) Acrolein	2.29	56	28007	83.895	ug/l	100
14) Allyl chloride	2.73	41	74050	18.154	ug/l	100
15) Acrylonitrile	3.14	53	129366	93.198	ug/l	99
16) Acetone	2.45	43	118252	87.431	ug/l	100
17) Carbon Disulfide	2.57	76	91986	18.347	ug/l	100
18) Methyl Acetate	2.78	43	60458	19.211	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	119965	18.934	ug/l	100
20) Methylene Chloride	2.85	84	38265	18.475	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	33525	17.953	ug/l	99
22) Diisopropyl ether	3.85	45	145506	18.748	ug/l	98
23) Vinyl Acetate	3.82	43	642835	92.200	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70087	18.634	ug/l	99
25) 2-Butanone	4.68	43	196277	93.146	ug/l	97
26) 2,2-Dichloropropane	4.58	77	42312	14.871	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	39018	18.101	ug/l	97
28) Bromochloromethane	5.02	49	33170	16.995	ug/l	98
29) Tetrahydrofuran	5.13	42	127563	94.403	ug/l	98
30) Chloroform	5.21	83	63728	18.787	ug/l	98
31) Cyclohexane	5.58	56	67455	18.936	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	53564	19.390	ug/l	100
36) 1,1-Dichloropropene	5.80	75	48265	17.982	ug/l	99
37) Ethyl Acetate	4.84	43	71018	18.990	ug/l	98
38) Carbon Tetrachloride	5.79	117	44242	19.075	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010001.D
 Acq On : 31 May 2019 22:37
 Operator : JC/SP
 Sample : VX0531WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0531WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:25 AM

Quant Time: Jun 01 06:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59278	18.619	ug/l	98
40) Benzene	6.15	78	151046	18.971	ug/l	99
41) Methacrylonitrile	5.04	41	40896	18.714	ug/l	99
42) 1,2-Dichloroethane	6.19	62	55471	18.845	ug/l	99
43) Isopropyl Acetate	6.45	43	112968	18.721	ug/l	100
44) Trichloroethene	7.21	130	35755	18.488	ug/l	100
45) 1,2-Dichloropropane	7.51	63	43234	18.863	ug/l	100
46) Dibromomethane	7.66	93	24870	18.434	ug/l	99
47) Bromodichloromethane	7.90	83	48985	19.094	ug/l	99
48) Methyl methacrylate	7.77	41	55971	18.737	ug/l	98
49) 1,4-Dioxane	7.74	88	21888	393.913	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	377132	96.073	ug/l	99
52) Toluene	8.78	92	92408	19.115	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	54686	17.773	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60717	18.112	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	36870	18.949	ug/l	98
56) Ethyl methacrylate	9.18	69	66824	19.291	ug/l	99
57) 1,3-Dichloropropane	9.37	76	65279	18.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172735	95.096	ug/l	100
59) 2-Hexanone	9.49	43	294073	97.303	ug/l	100
60) Dibromochloromethane	9.58	129	36422	19.029	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37515	18.767	ug/l	98
64) Tetrachloroethene	9.34	164	33592	20.146	ug/l	97
65) Chlorobenzene	10.13	112	94559	18.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	33611	19.391	ug/l	98
67) Ethyl Benzene	10.25	91	174943	19.496	ug/l	99
68) m/p-Xylenes	10.36	106	127482	38.456	ug/l	99
69) o-Xylene	10.69	106	62652	19.707	ug/l	98
70) Styrene	10.71	104	107238	19.236	ug/l	99
71) Bromoform	10.85	173	27640	19.508	ug/l #	99
73) Isopropylbenzene	11.02	105	167139	19.691	ug/l	100
74) N-amyl acetate	10.90	43	99672	19.651	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	61939	19.559	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54435m	19.787	ug/l	
77) Bromobenzene	11.26	156	41486	19.178	ug/l	97
78) n-propylbenzene	11.36	91	189747	19.394	ug/l	100
79) 2-Chlorotoluene	11.42	91	114305	19.122	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	140163	19.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18525	16.660	ug/l	92
82) 4-Chlorotoluene	11.51	91	131054	18.833	ug/l	99
83) tert-Butylbenzene	11.77	119	134203	19.616	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	139808	19.251	ug/l	99
85) sec-Butylbenzene	11.94	105	161073	19.790	ug/l	100
86) p-Isopropyltoluene	12.06	119	144800	19.779	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72782	18.899	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	73155	18.626	ug/l	99
89) n-Butylbenzene	12.38	91	128736	18.712	ug/l	100
90) Hexachloroethane	12.59	117	24648	19.619	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	73041	19.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14507	19.462	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
Data File : VX010001.D
Acq On : 31 May 2019 22:37
Operator : JC/SP
Sample : VX0531WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

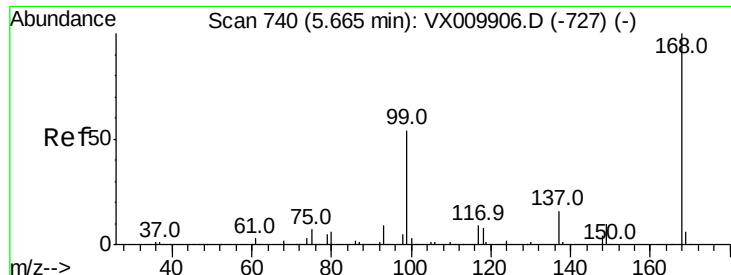
Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM

Quant Time: Jun 01 06:26:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53027	19.543	ug/l	99
94) Hexachlorobutadiene	13.78	225	26076	19.160	ug/l	99
95) Naphthalene	13.83	128	169244	20.043	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52755	19.423	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. -0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion:168 Resp: 165717

Ion Ratio Lower Upper

168 100

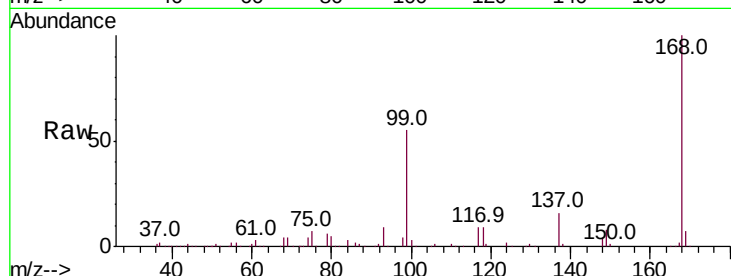
99 55.0 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:25 AM



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

40000

20000

0

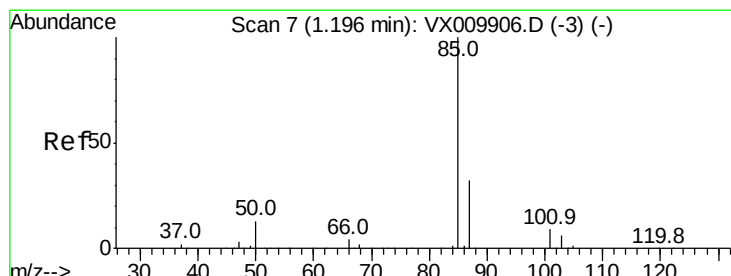
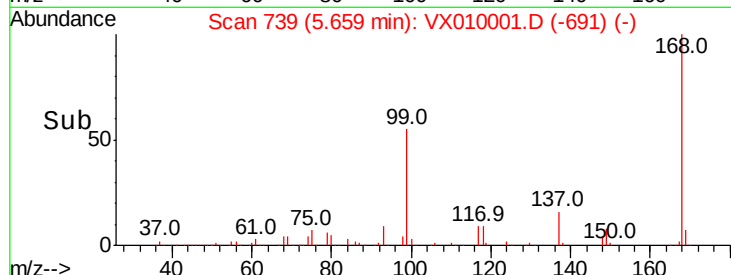
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 20.372 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010001.D

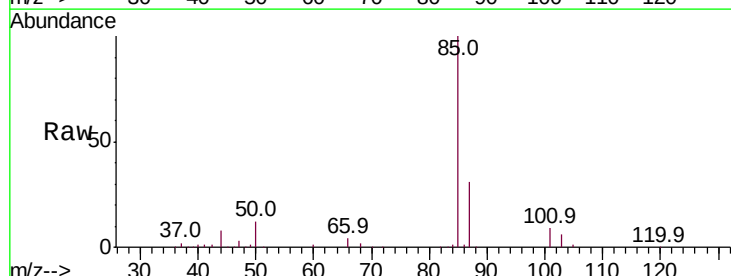
Acq: 31 May 2019 22:37

Tgt Ion: 85 Resp: 41253

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.2



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

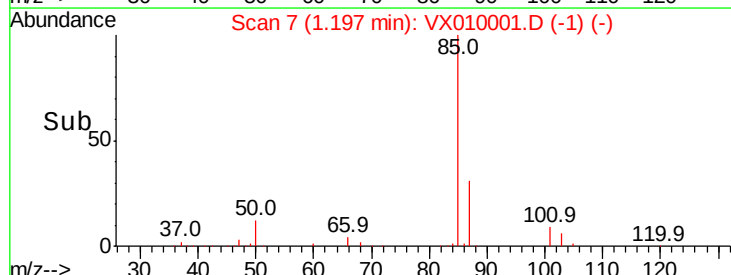
Time-->

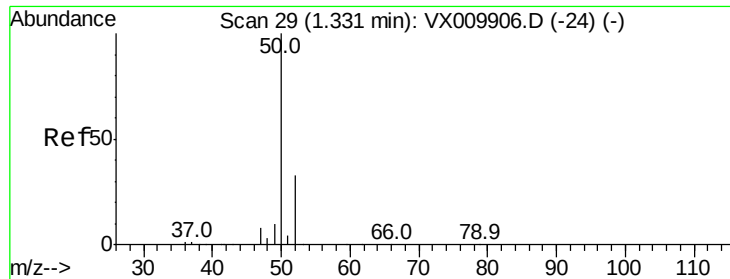
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 17.269 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 50 Resp: 47013

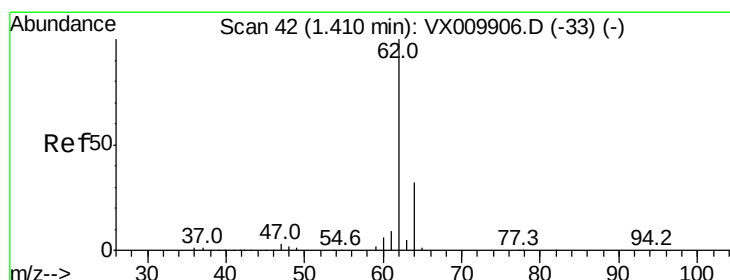
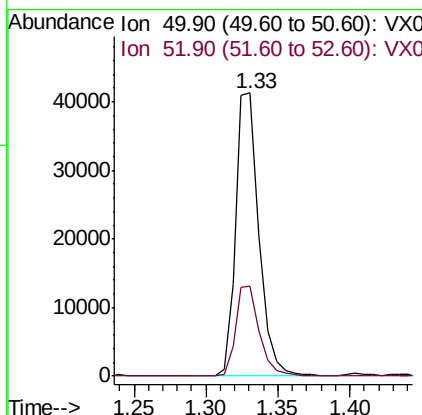
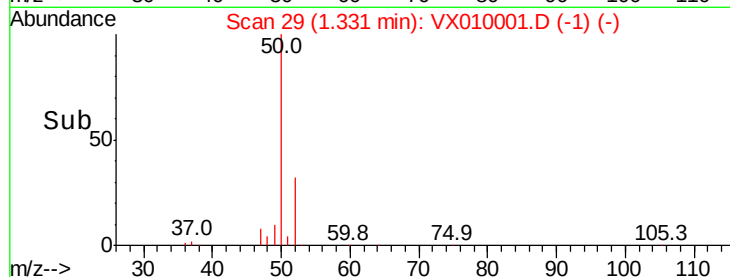
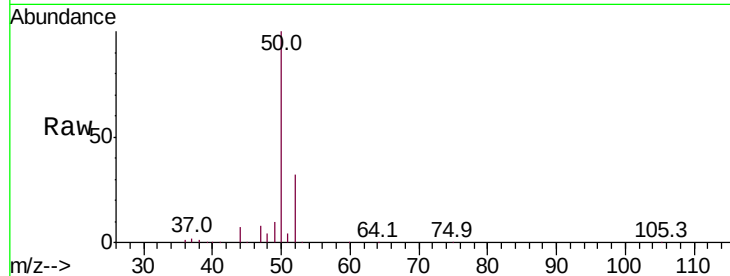
Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#4

Vinyl Chloride

Concen: 17.592 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010001.D

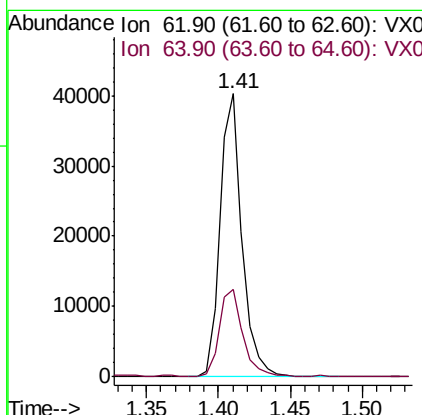
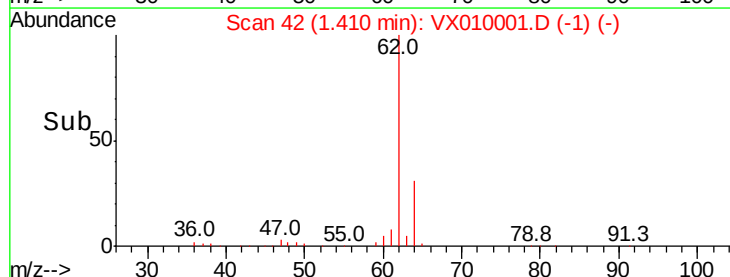
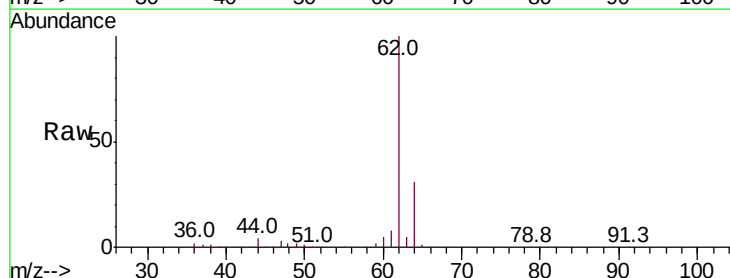
Acq: 31 May 2019 22:37

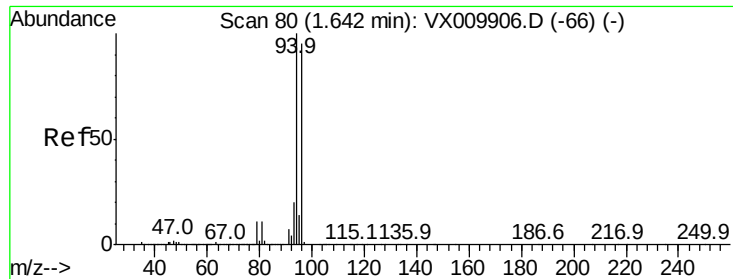
Tgt Ion: 62 Resp: 43173

Ion Ratio Lower Upper

62 100

64 30.7 25.7 38.5





#5

Bromomethane

Concen: 15.503 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampled :

VX0531WBS02

Tot Ion: 94 Resp: 23052

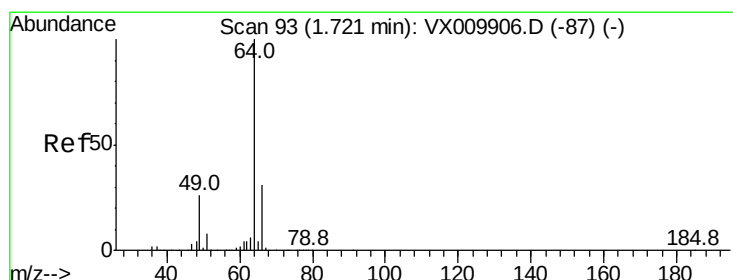
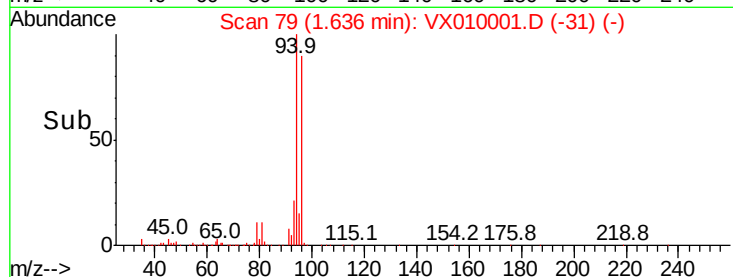
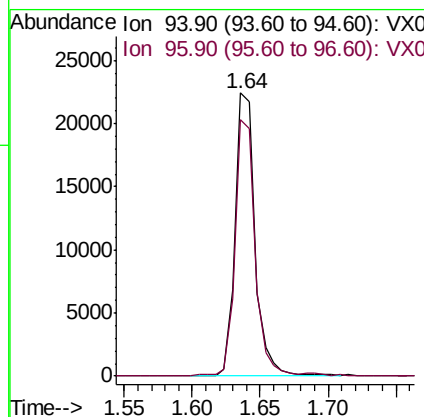
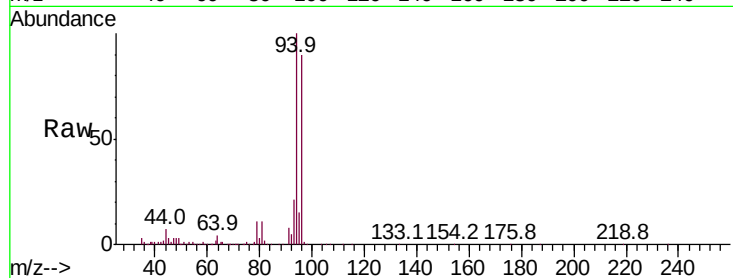
Ion Ratio Lower Upper

94 100

96 90.4 76.2 114.4

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#6

Chloroethane

Concen: 17.785 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX010001.D

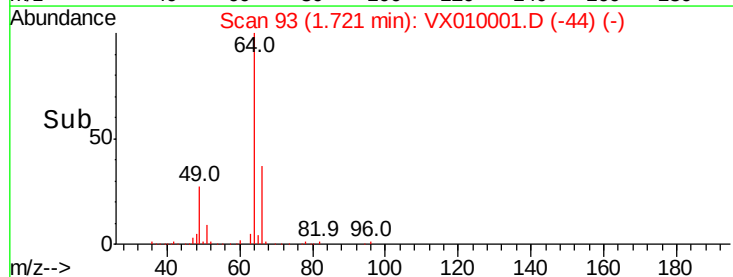
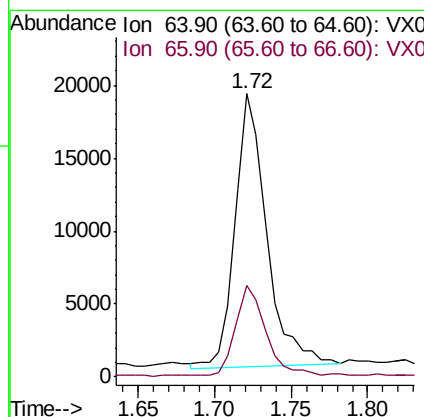
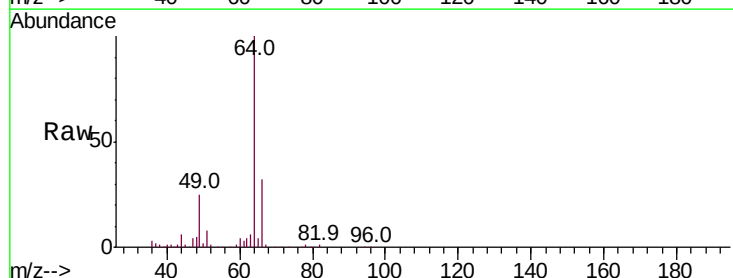
Acq: 31 May 2019 22:37

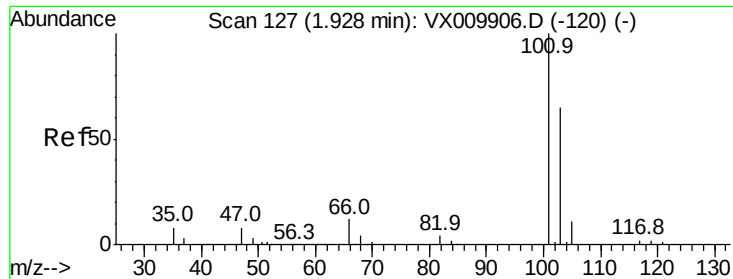
Tgt Ion: 64 Resp: 26869

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7





#7

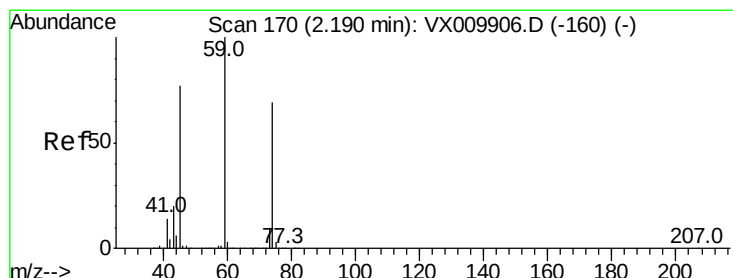
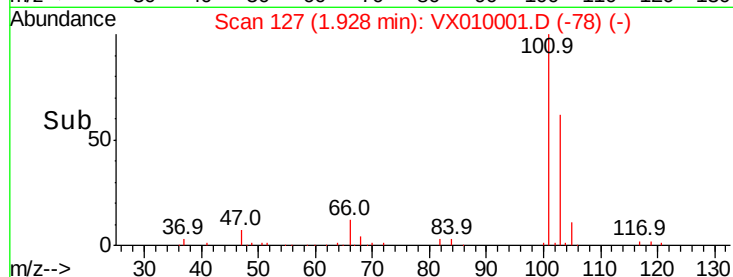
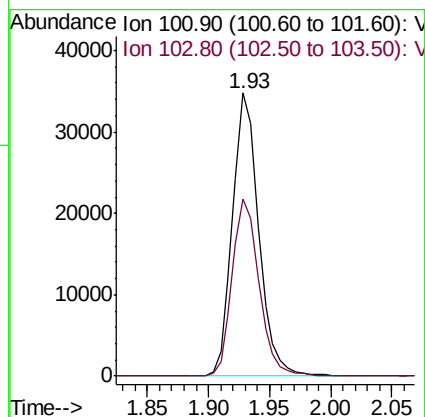
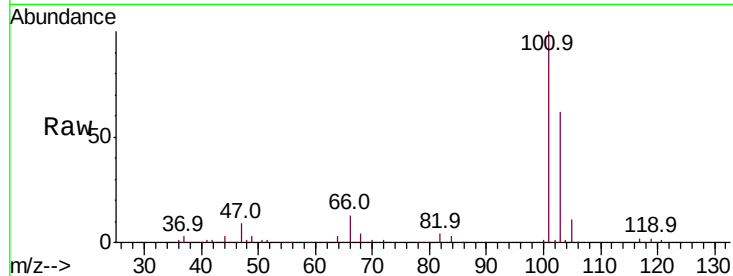
Trichlorofluoromethane
Concen: 18.997 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion:101 Resp: 51520
Ion Ratio Lower Upper
101 100
103 62.5 52.2 78.4

Manual Integrations
APPROVED

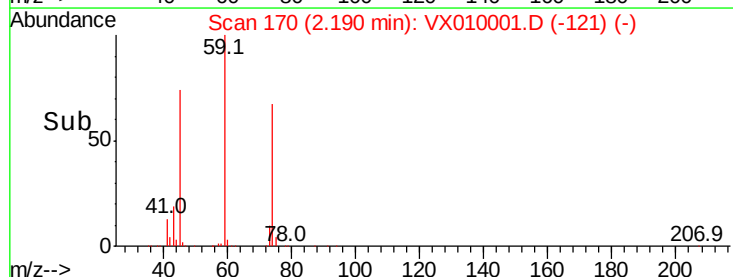
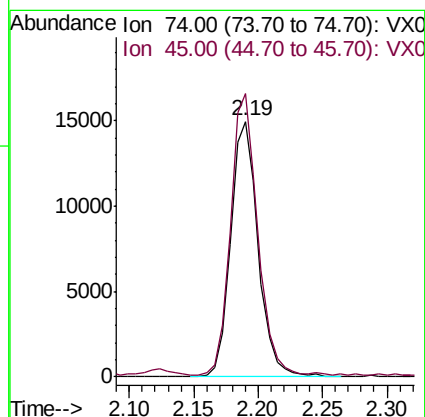
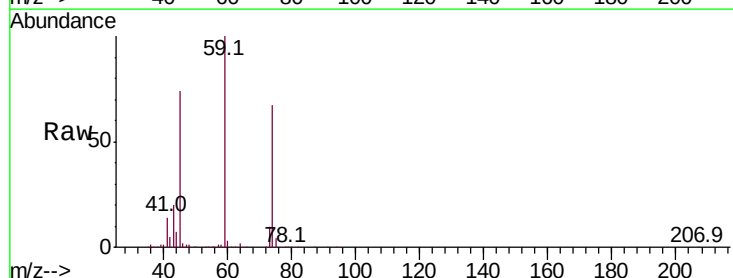
MMDadoda
6/3/2019 9:34:25 AM

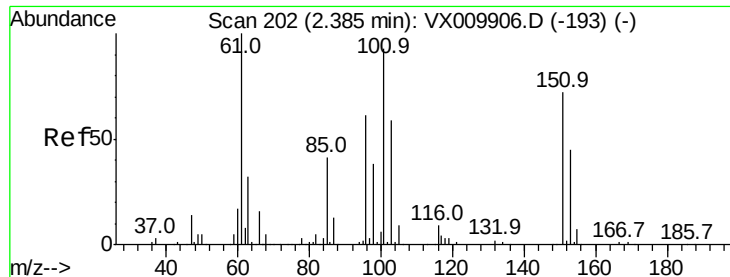


#8

Diethyl Ether
Concen: 17.511 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 74 Resp: 22316
Ion Ratio Lower Upper
74 100
45 107.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.682 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

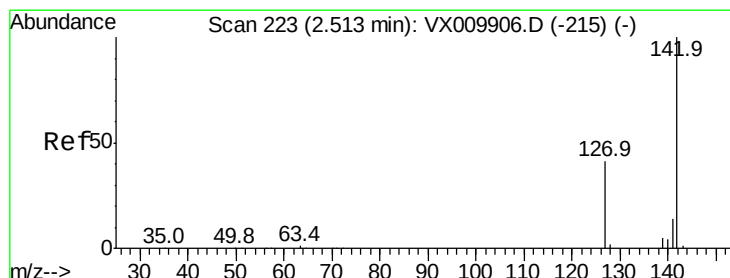
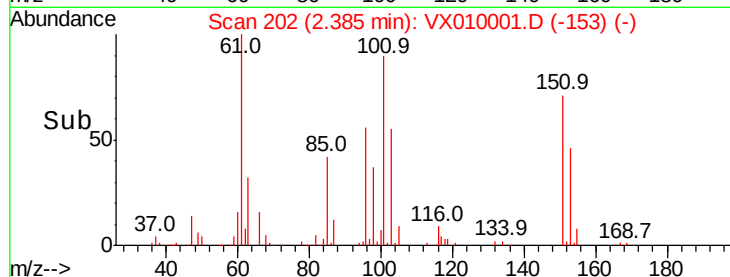
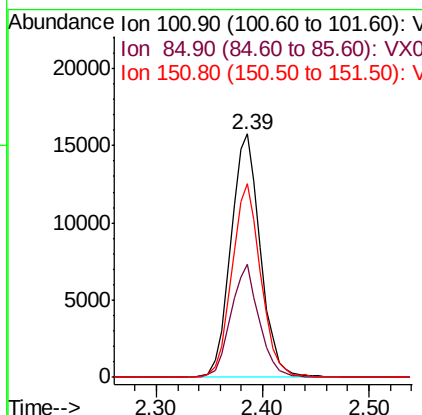
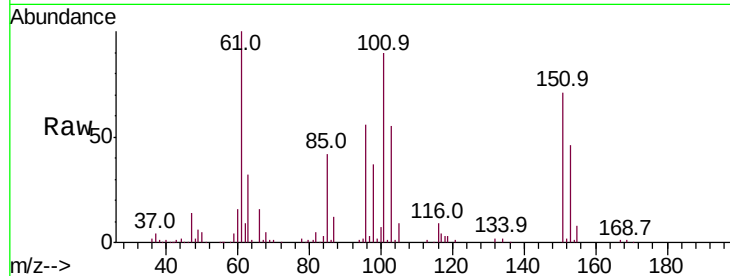
ClientSampleId :

VX0531WBS02

Tot Ion:	101	Resp:	30589
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.2	52.8
151	78.0	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#10

Methyl Iodide

Concen: 14.829 ug/l

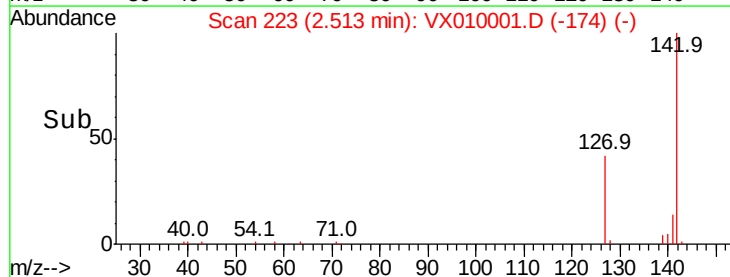
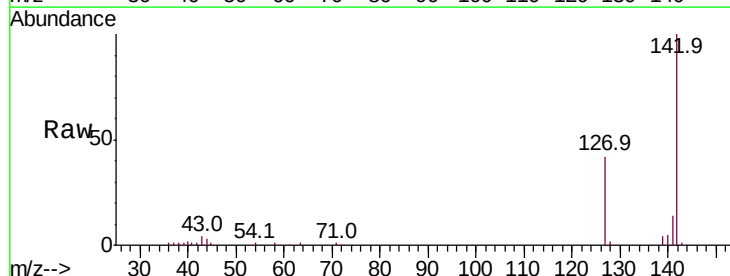
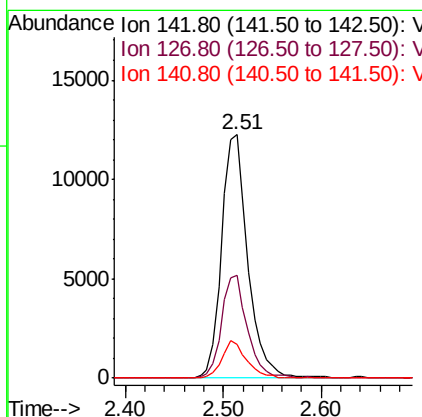
RT: 2.51 min Scan# 223

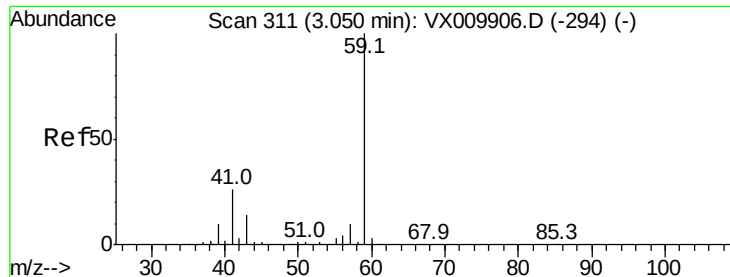
Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion:	142	Resp:	22743
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.0	49.4
141	14.2	11.4	17.0





#11

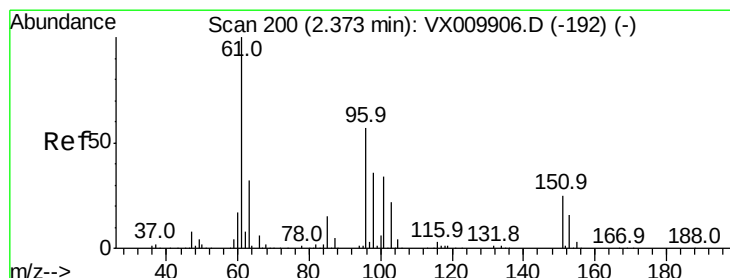
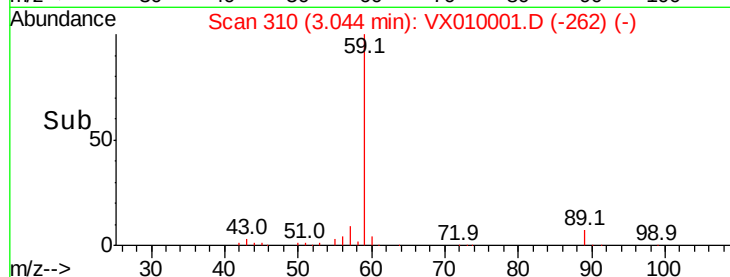
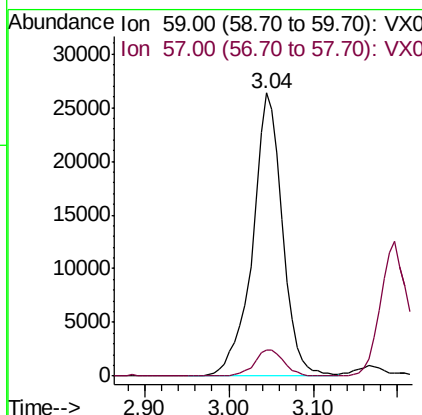
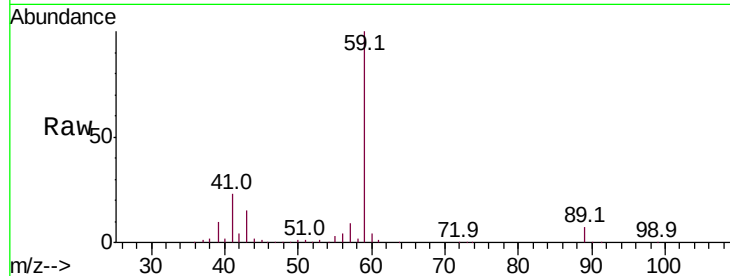
Tert butyl alcohol
Concen: 111.770 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	59	57	Ratio	100	9.2	Resp:	64390	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	9.2	Resp:	64390	Lower	8.2	Upper	12.2

Manual Integrations
APPROVED

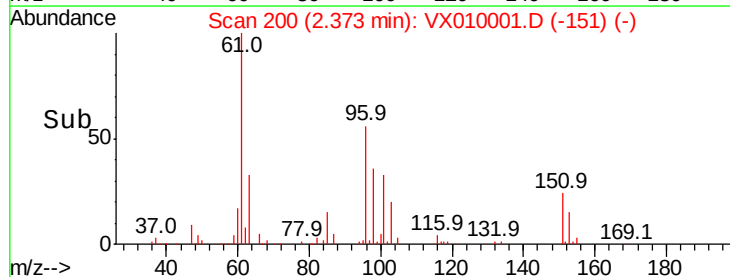
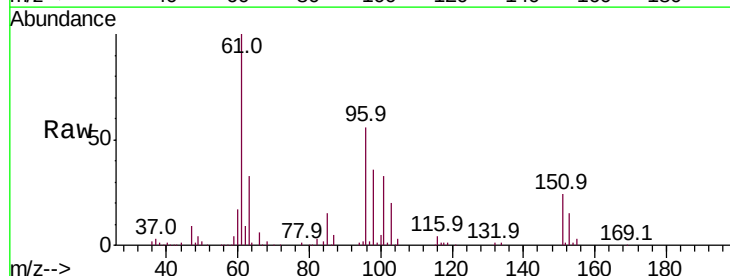
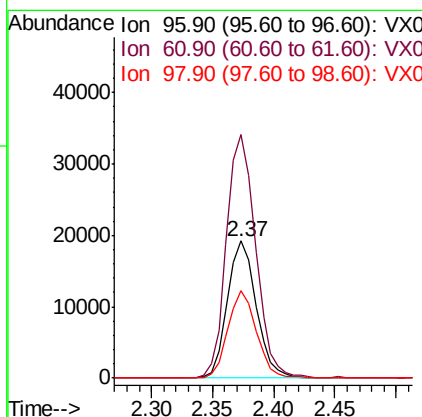
MMDadoda
6/3/2019 9:34:25 AM

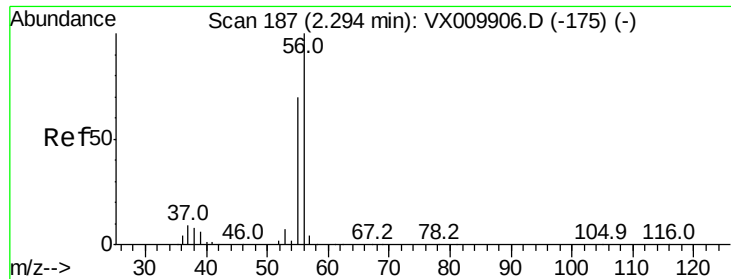


#12

1,1-Dichloroethene
Concen: 18.672 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	96	61	98	Ratio	100	177.9	64.0	Resp:	31337	Lower	140.7	50.1	Upper	211.1	75.1
Ion	96	61	98	Ratio	100	177.9	64.0	Resp:	31337	Lower	140.7	50.1	Upper	211.1	75.1





#13

Acrolein

Concen: 83.895 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 56 Resp: 28007

Ion Ratio Lower Upper

56 100

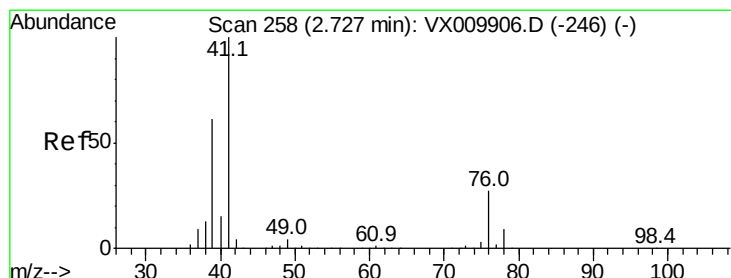
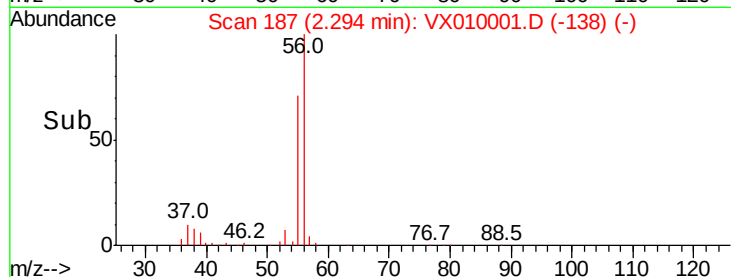
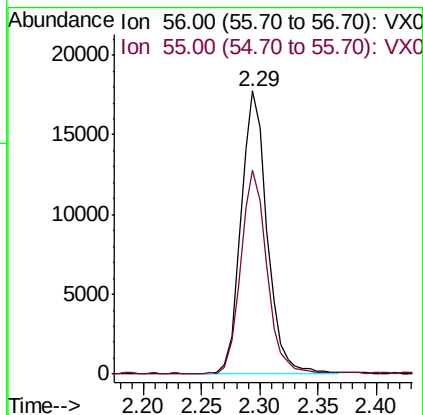
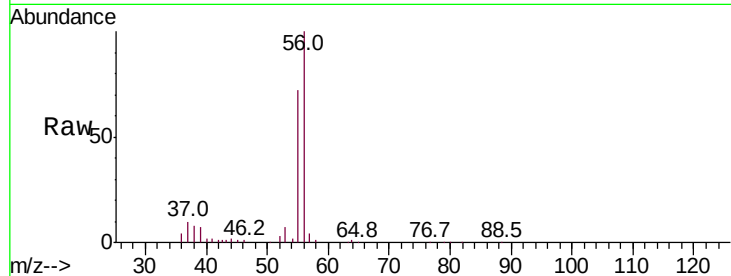
55 71.1 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:25 AM



#14

Allyl chloride

Concen: 18.154 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

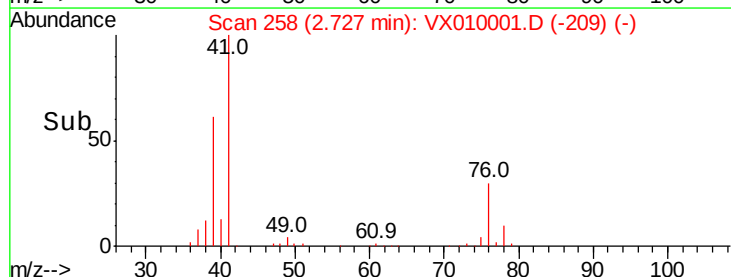
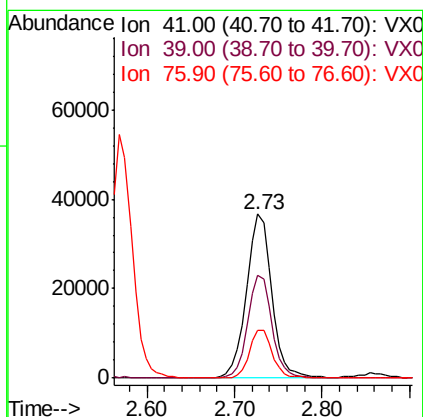
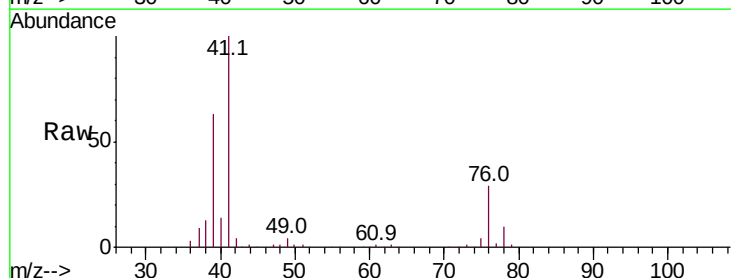
Tgt Ion: 41 Resp: 74050

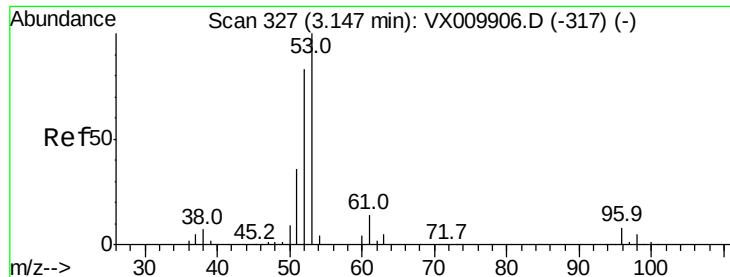
Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 26.4 21.0 31.4





#15

Acrylonitrile

Concen: 93.198 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

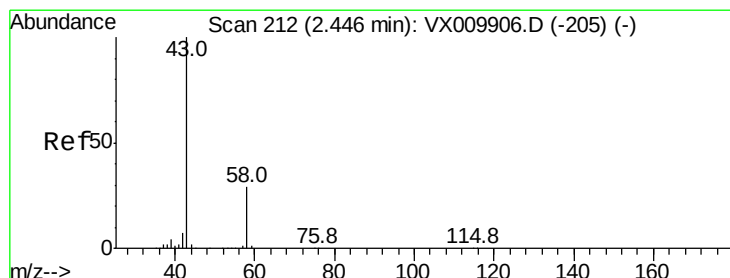
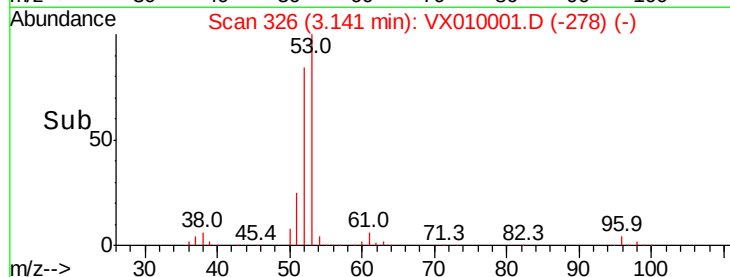
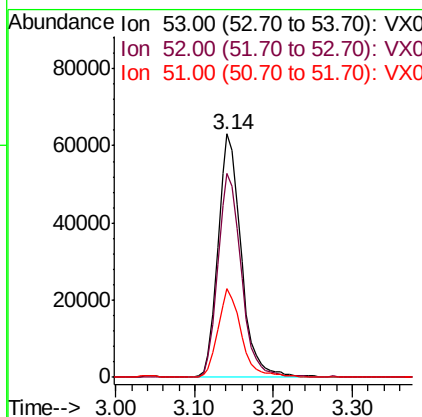
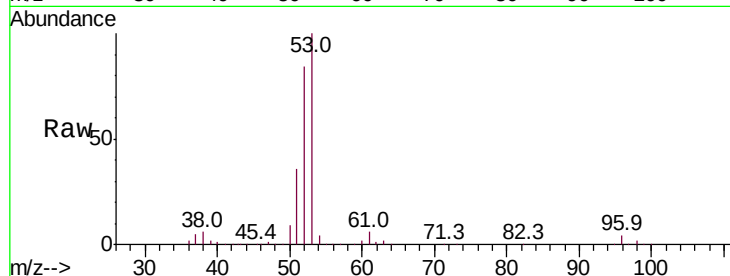
ClientSampleId :

VX0531WBS02

Tot Ion:	53	Resp:	129366
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.7	100.1
51	36.5	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#16

Acetone

Concen: 87.431 ug/l

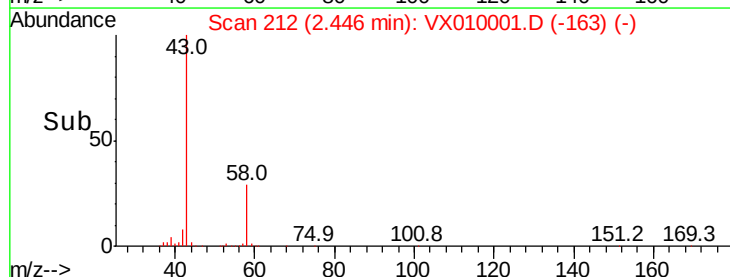
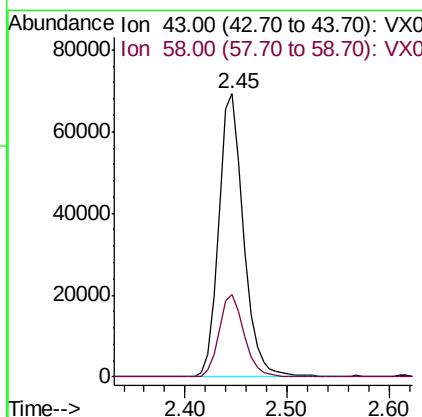
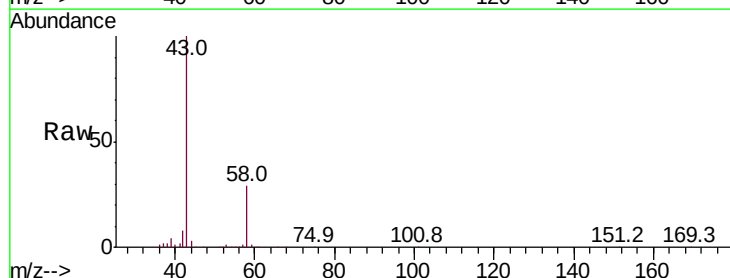
RT: 2.45 min Scan# 212

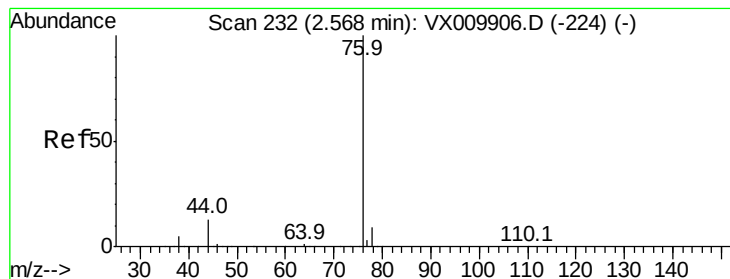
Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion:	43	Resp:	118252
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.2	34.8





#17

Carbon Disulfide

Concen: 18.347 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 76 Resp: 91986

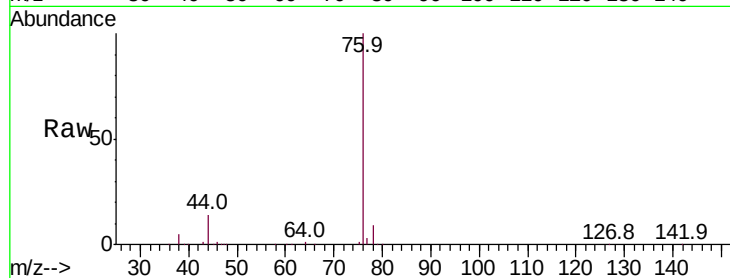
Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

30000

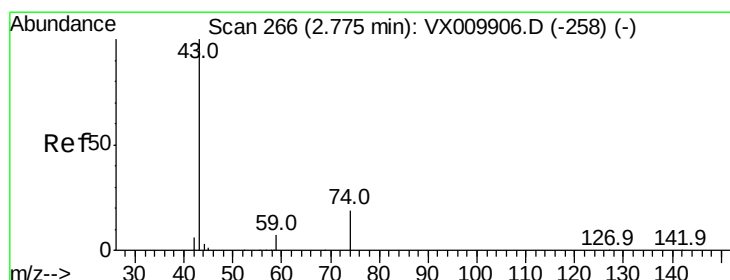
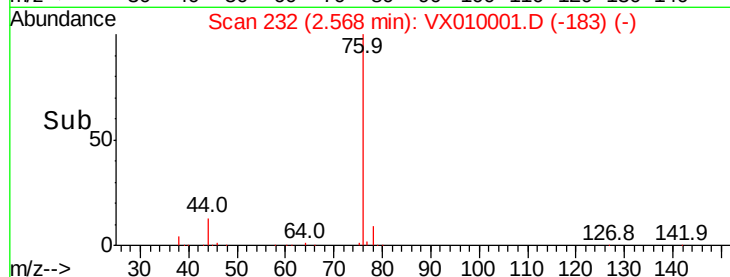
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 19.211 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010001.D

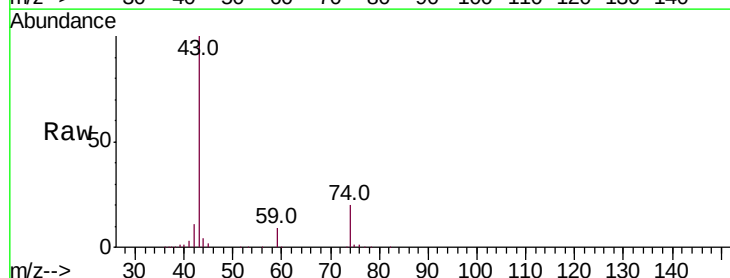
Acq: 31 May 2019 22:37

Tgt Ion: 43 Resp: 60458

Ion Ratio Lower Upper

43 100

74 20.8 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

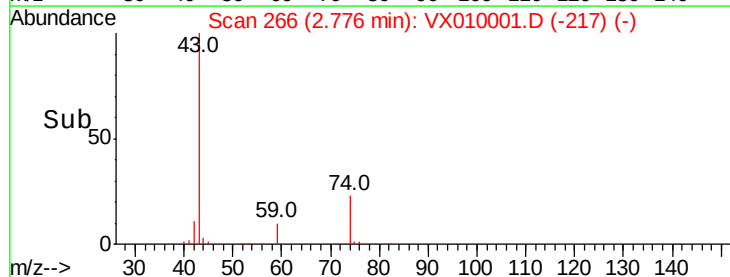
20000

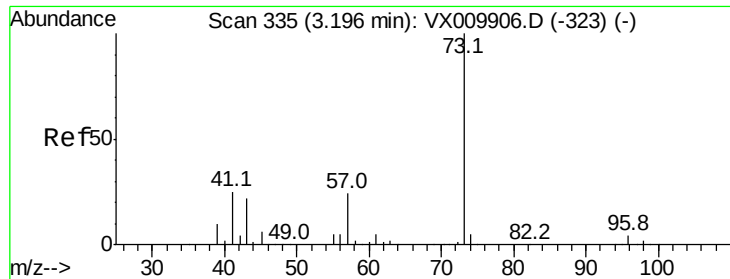
10000

0

Time-->

2.70 2.75 2.80 2.85





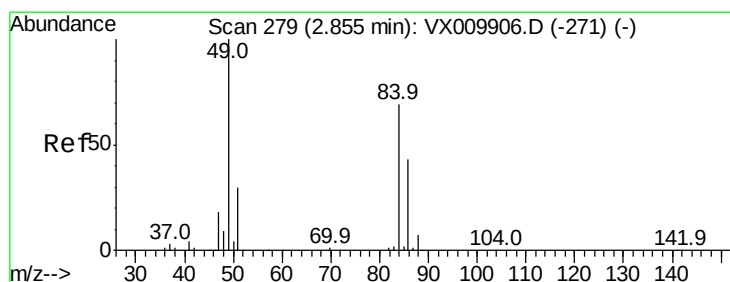
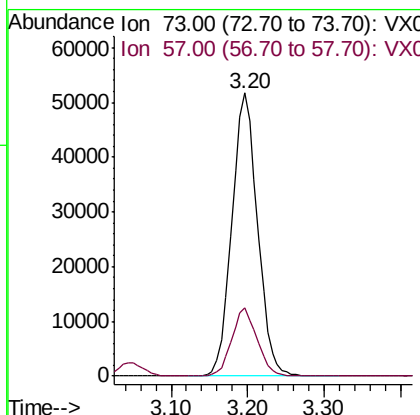
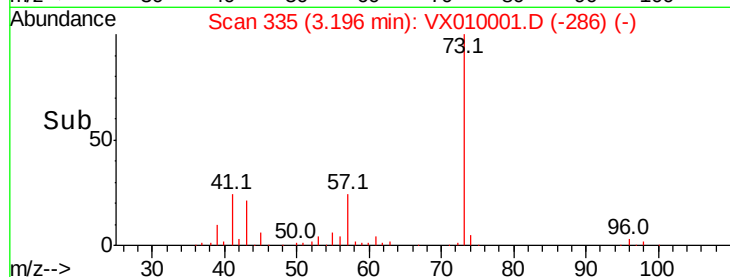
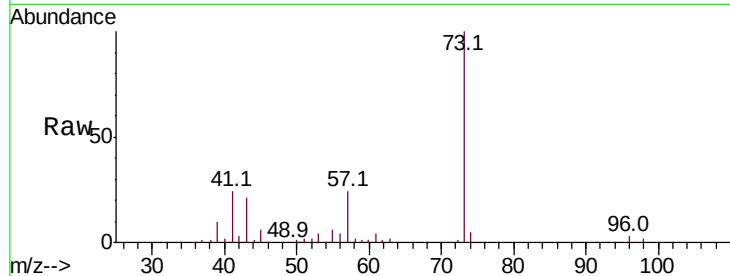
#19
Methyl tert-butyl Ether
Concen: 18.934 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion: 73 Resp: 119965
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2

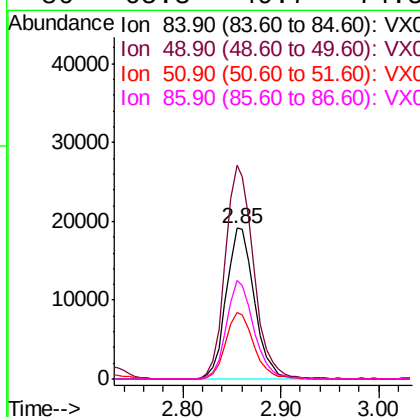
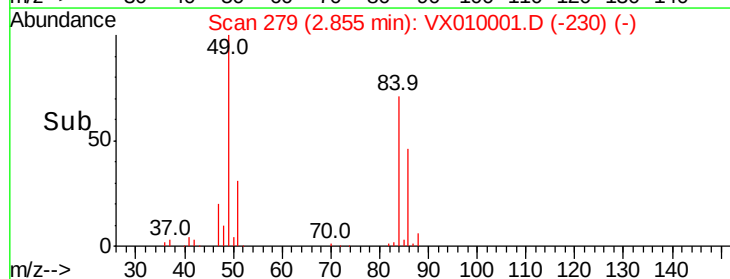
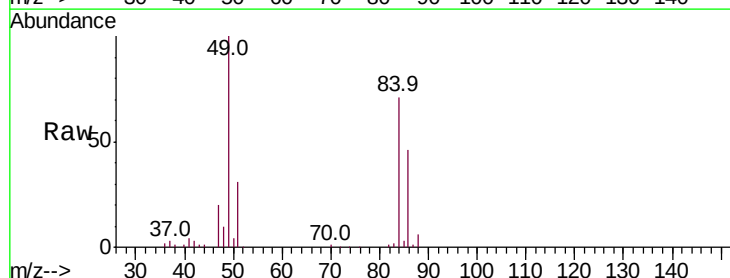
Manual Integrations
APPROVED

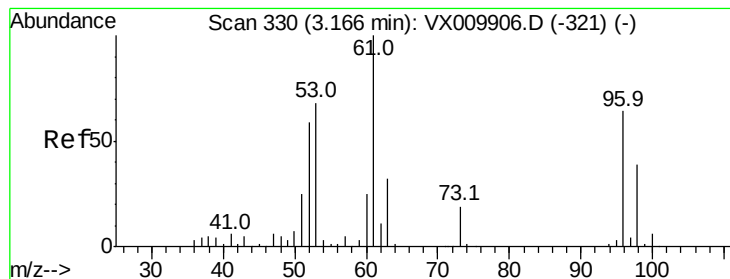
MMDadoda
6/3/2019 9:34:25 AM



#20
Methylene Chloride
Concen: 18.475 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 84 Resp: 38265
Ion Ratio Lower Upper
84 100
49 141.4 115.8 173.6
51 44.3 34.4 51.6
86 65.3 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 17.953 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 96 Resp: 33525

Ion Ratio Lower Upper

96 100

61 158.1 125.7 188.5

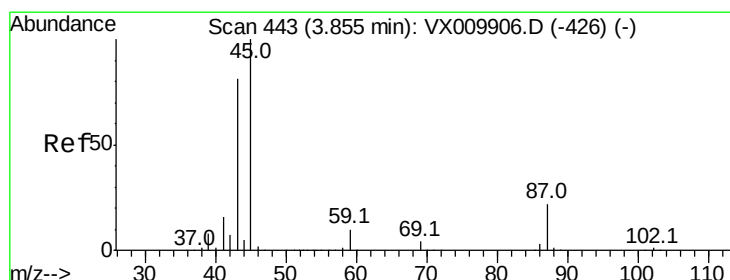
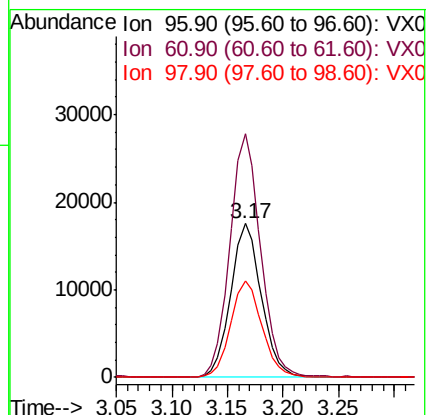
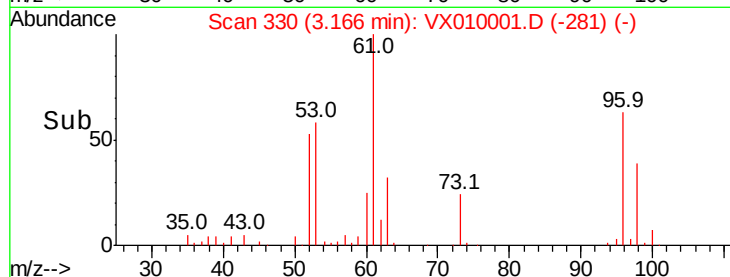
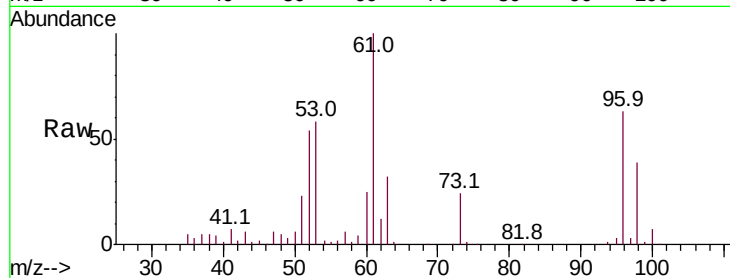
98 62.4 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:25 AM



#22

Diisopropyl ether

Concen: 18.748 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion: 45 Resp: 145506

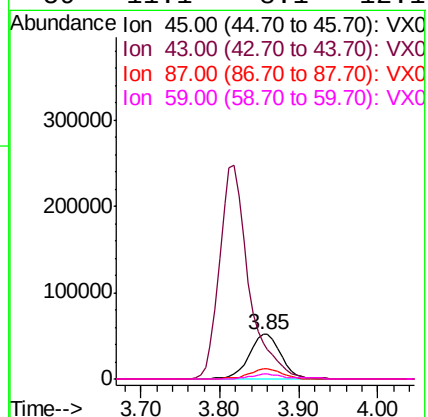
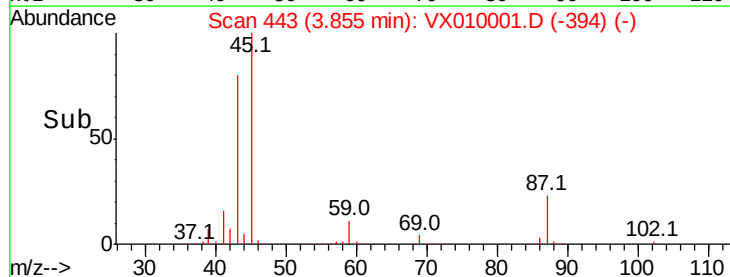
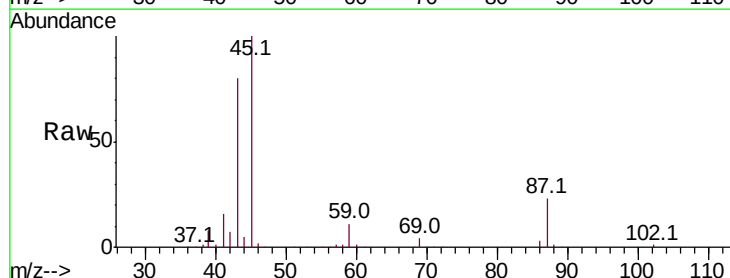
Ion Ratio Lower Upper

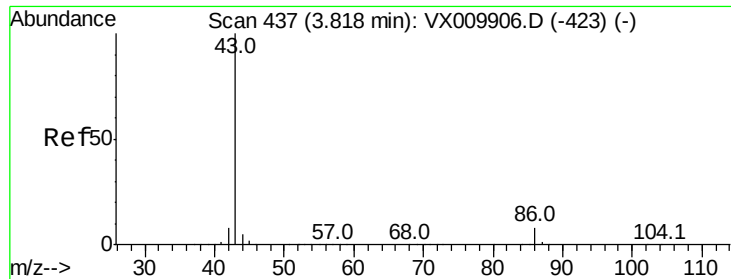
45 100

43 80.2 65.0 97.4

87 22.8 17.3 25.9

59 11.1 8.1 12.1





#23

Vinyl Acetate

Concen: 92.200 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tot Ion: 43 Resp: 642835

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7

Instrument :

MSVOA_X

ClientSampled :

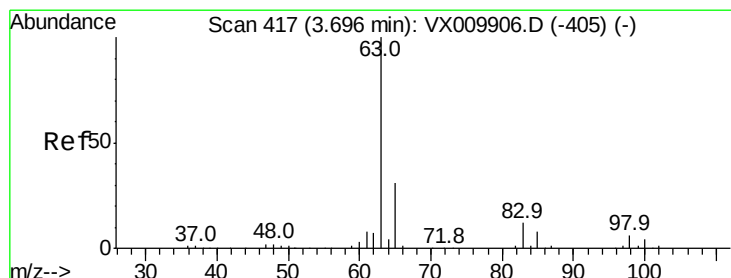
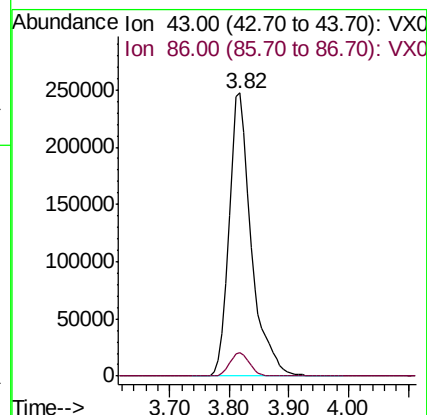
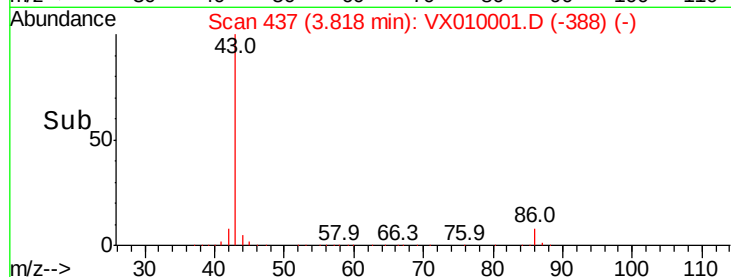
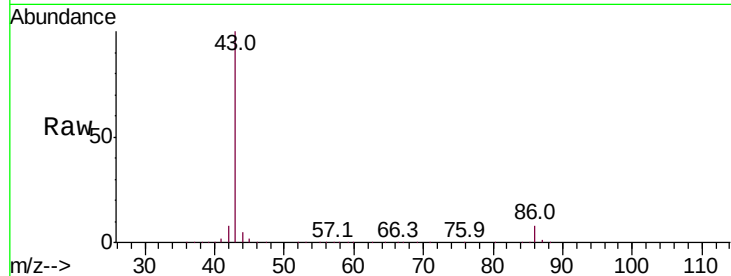
VX0531WBS02

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:25 AM



#24

1,1-Dichloroethane

Concen: 18.634 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

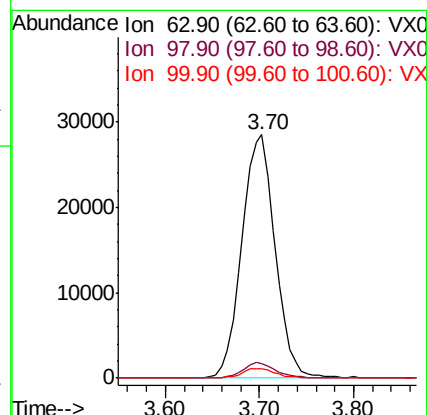
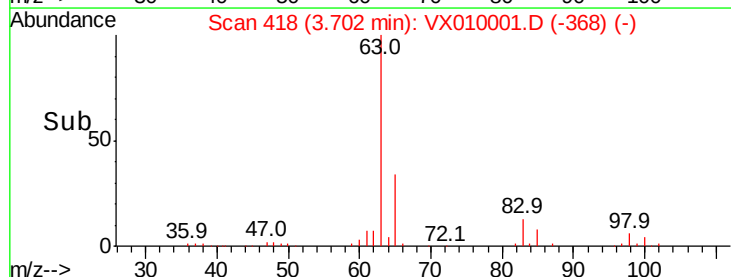
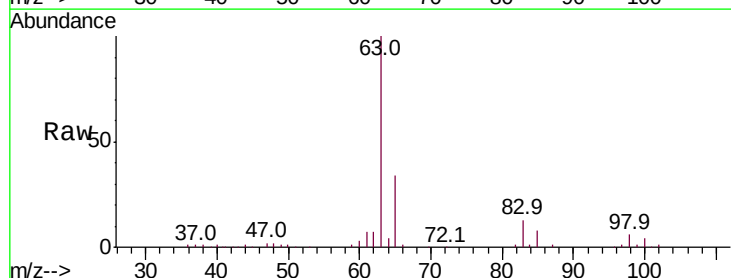
Tgt Ion: 63 Resp: 70087

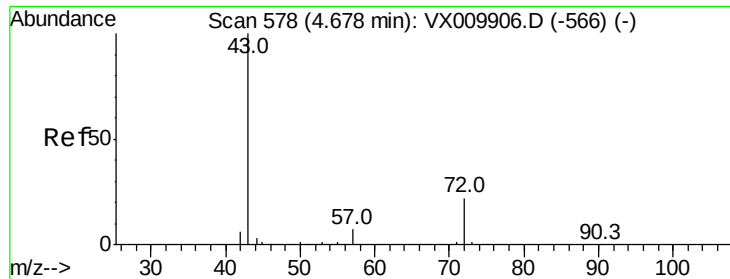
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.9 1.8 5.4





#25

2-Butanone

Concen: 93.146 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 43 Resp: 196277

Ion Ratio Lower Upper

43 100

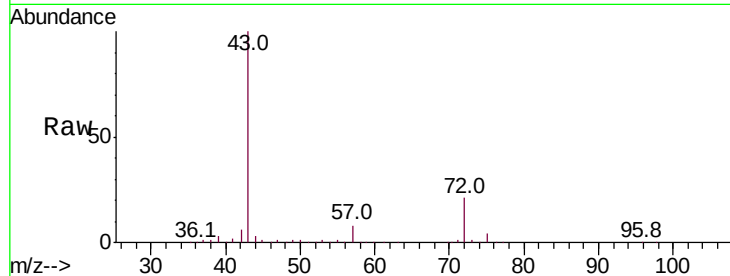
72 20.5 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

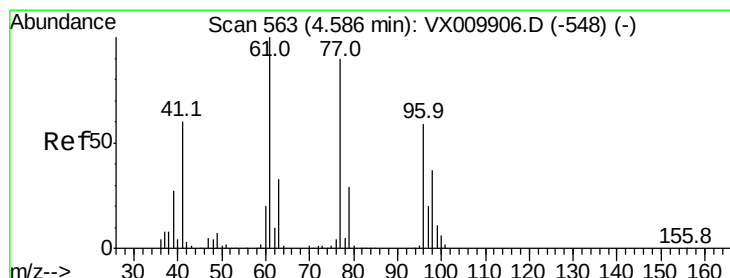
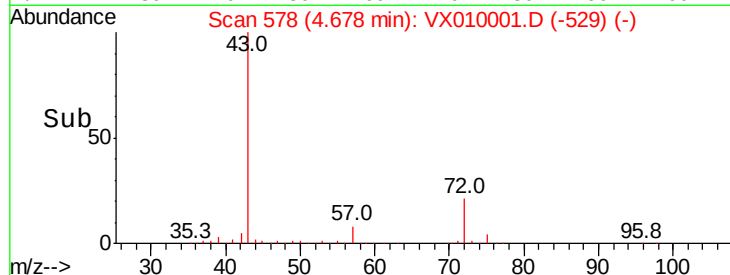
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 14.871 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010001.D

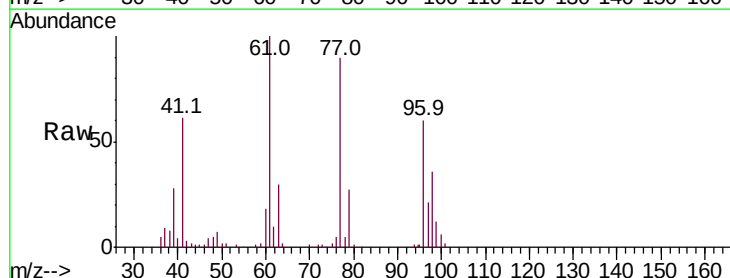
Acq: 31 May 2019 22:37

Tgt Ion: 77 Resp: 42312

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

15000

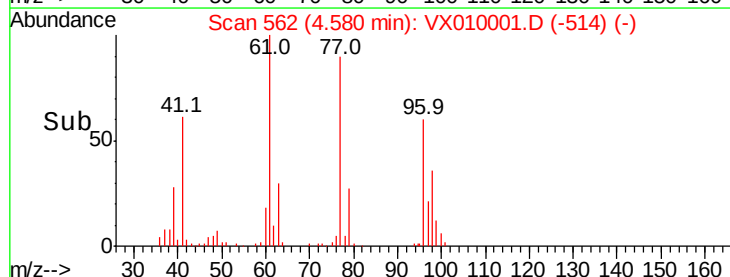
10000

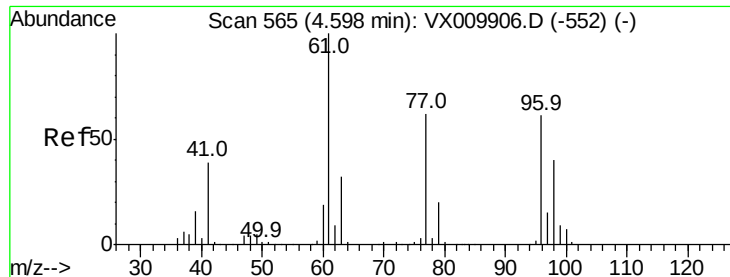
5000

0

4.50 4.60 4.70

Time-->





#27

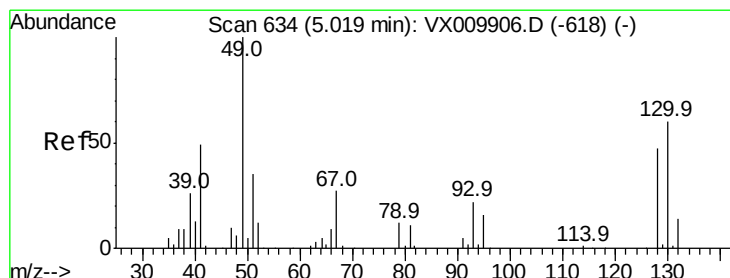
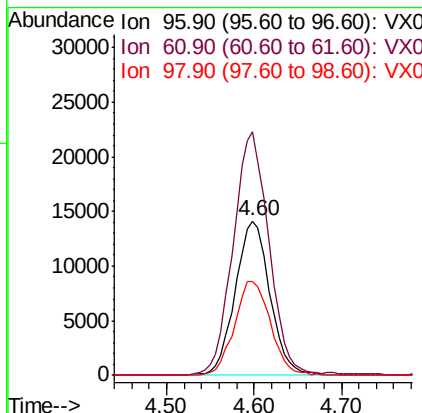
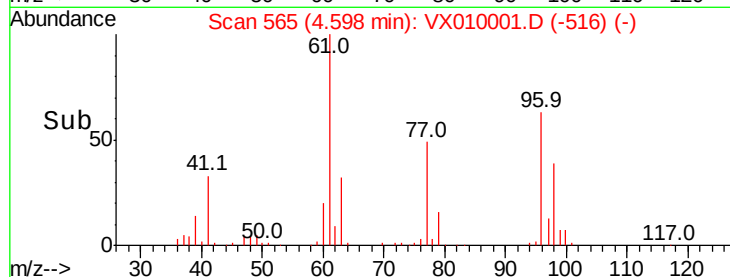
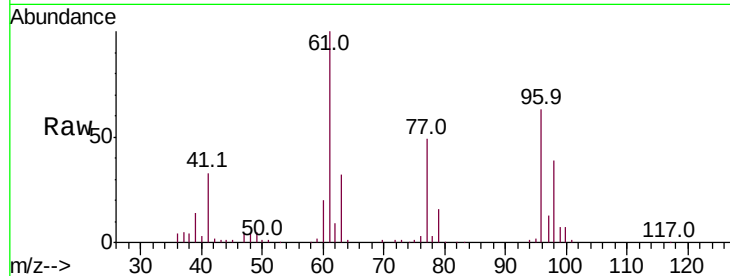
cis-1,2-Dichloroethene
Concen: 18.101 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	334.0
98	63.3	0.0	131.6

Manual Integrations
APPROVED

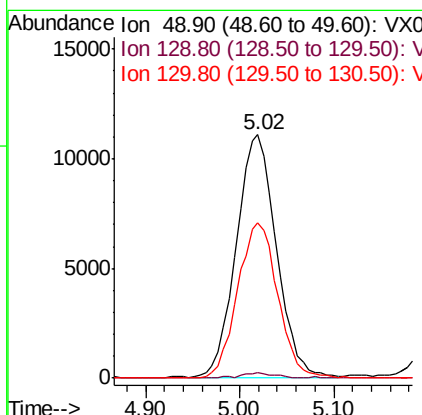
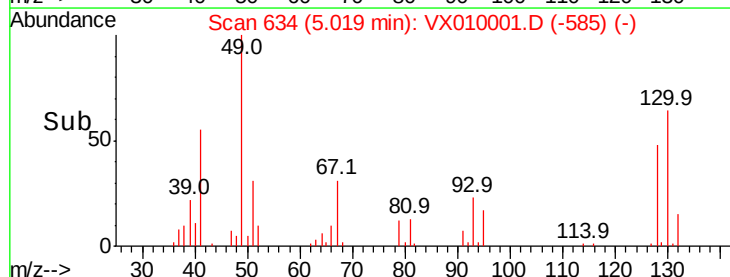
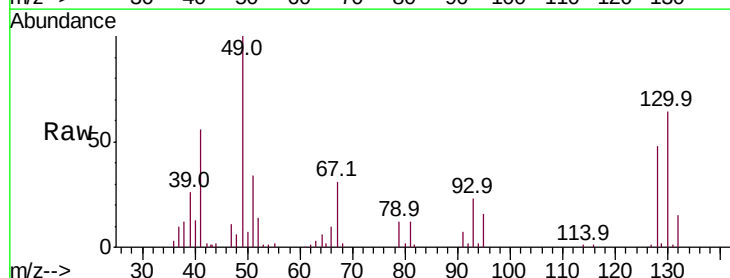
MMDadoda
6/3/2019 9:34:25 AM

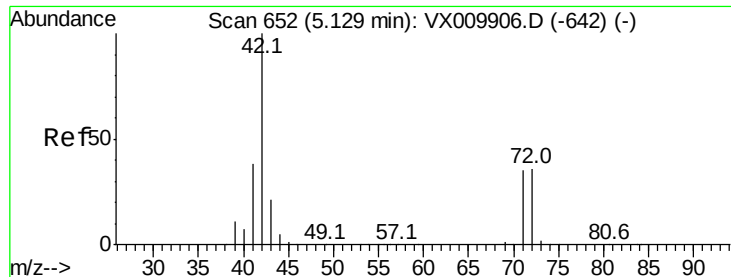


#28

Bromochloromethane
Concen: 16.995 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	63.6	49.4	74.2





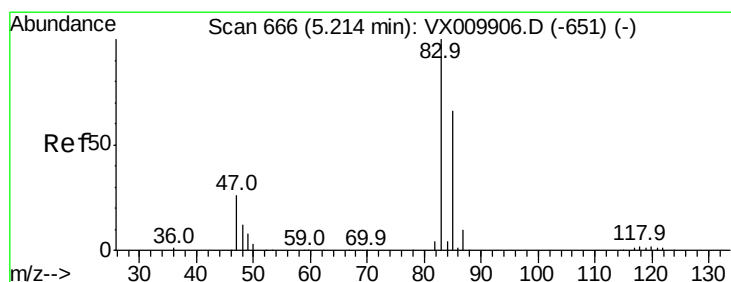
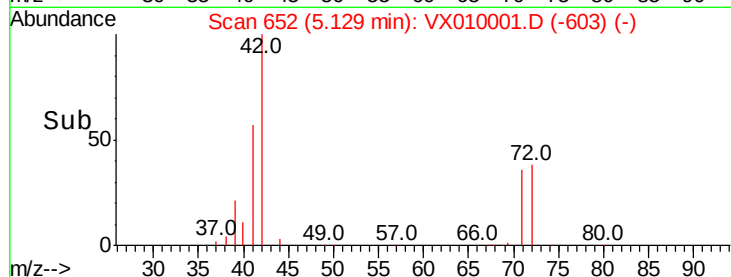
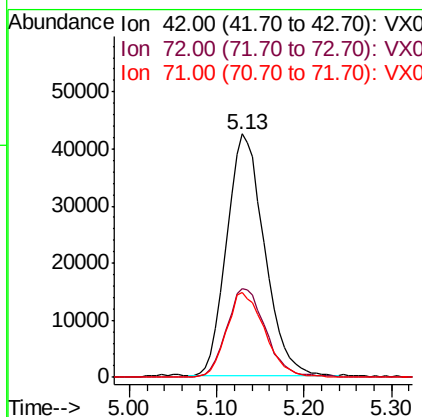
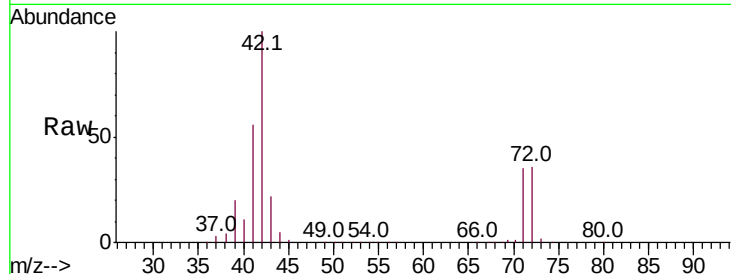
#29
Tetrahydrofuran
Concen: 94.403 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.2	43.8
71	35.7	27.6	41.4

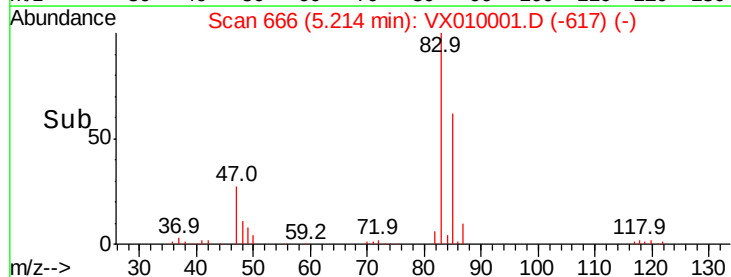
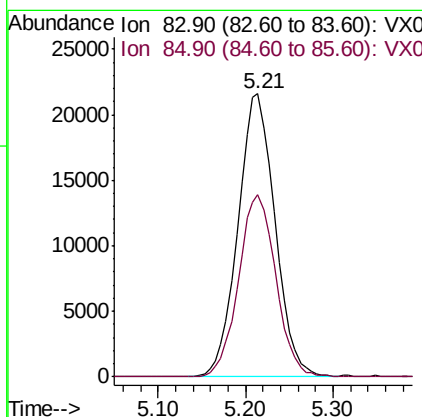
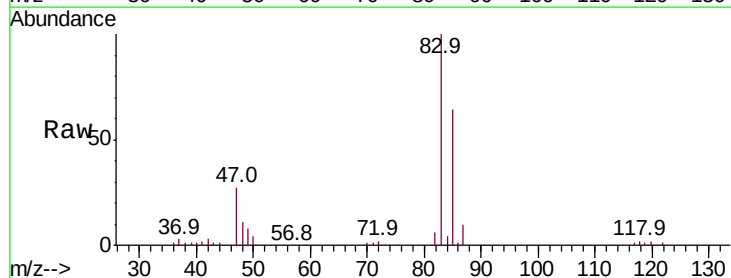
Manual Integrations
APPROVED

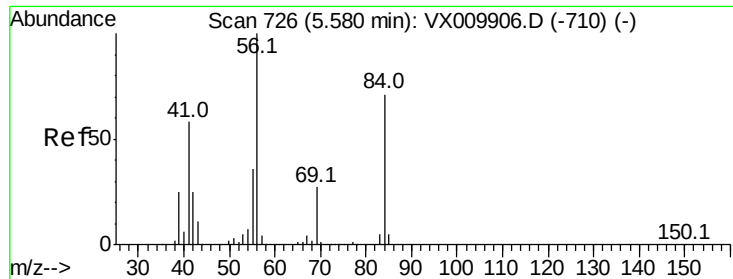
MMDadoda
6/3/2019 9:34:25 AM



#30
Chloroform
Concen: 18.787 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	78.8





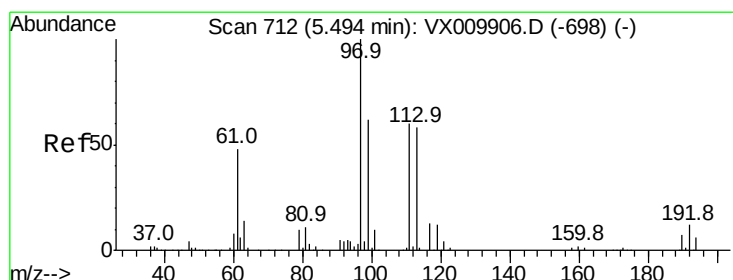
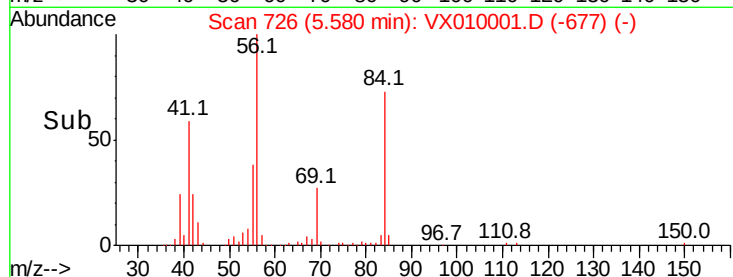
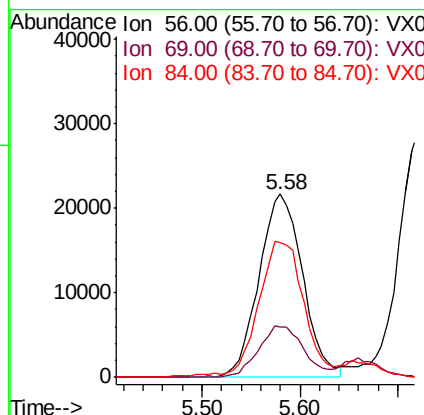
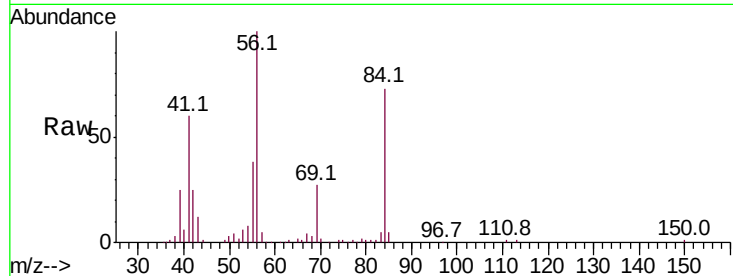
#31
Cyclohexane
Concen: 18.936 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	21.6	32.4
84	72.2	56.8	85.2

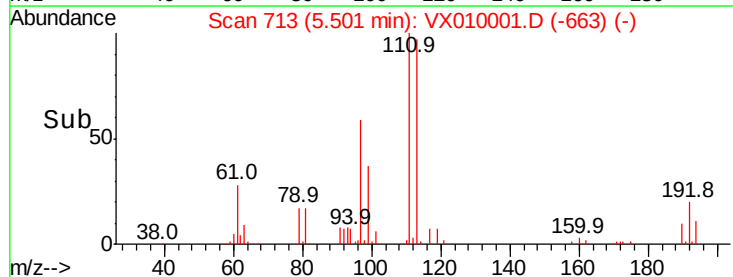
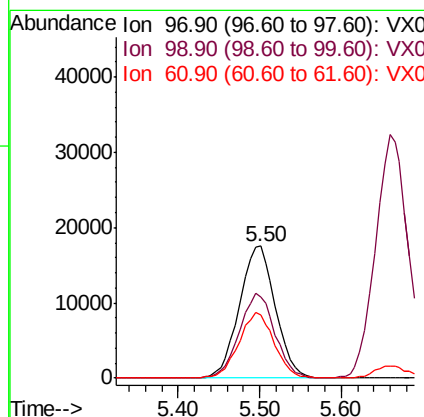
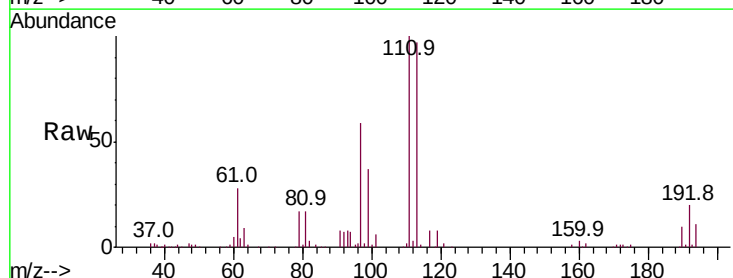
Manual Integrations
APPROVED

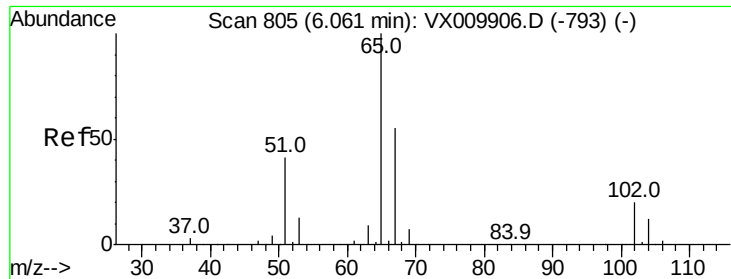
MMDadoda
6/3/2019 9:34:25 AM



#32
1,1,1-Trichloroethane
Concen: 19.390 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	48.7	38.7	58.1





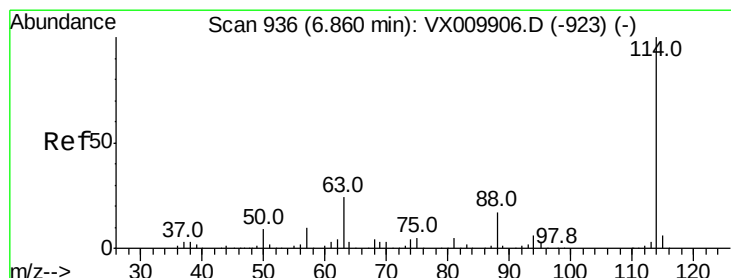
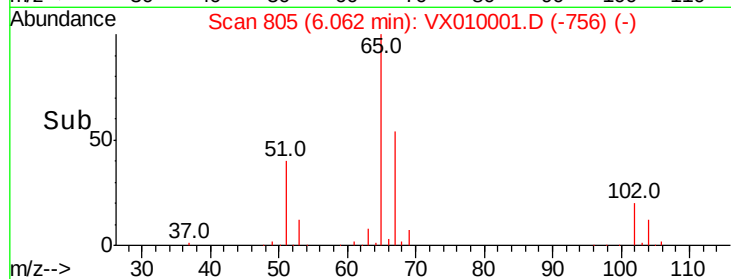
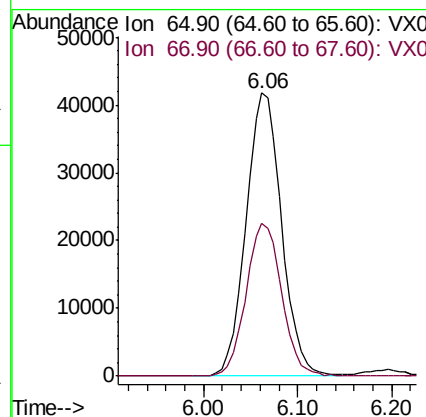
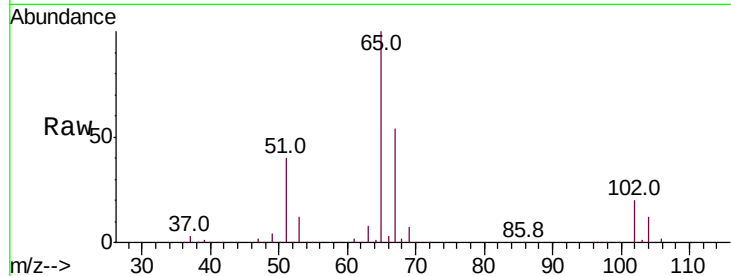
#33
 1,2-Dichloroethane-d4
 Concen: 46.787 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109524		
67	54.2	0.0	108.4	

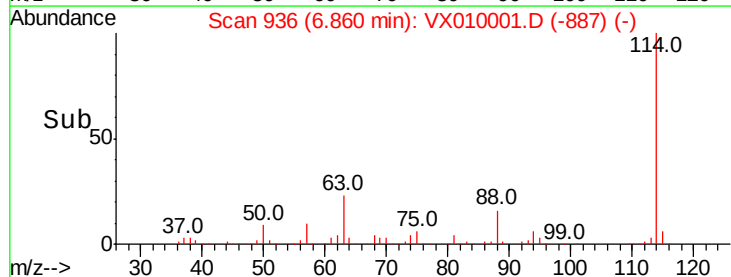
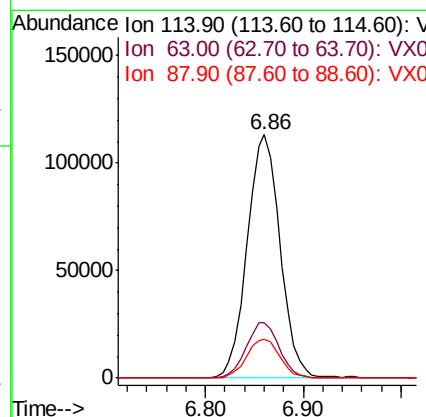
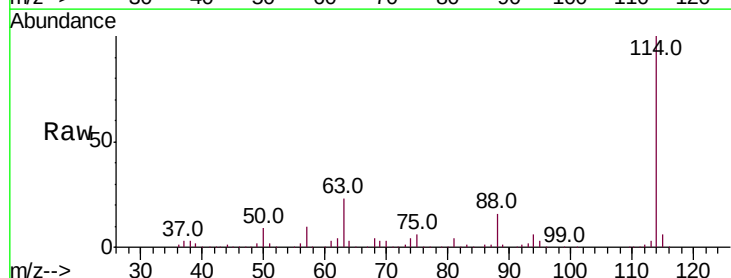
Manual Integrations
 APPROVED

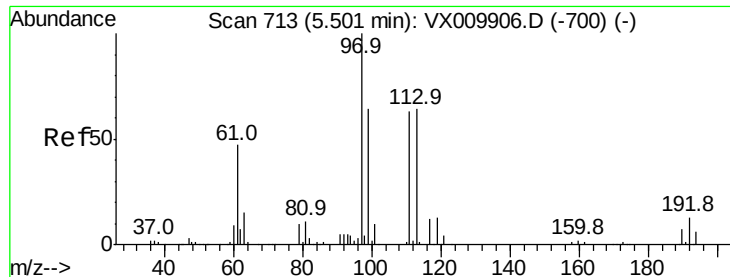
MMDadoda
 6/3/2019 9:34:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	264536		
63	22.9	0.0	47.4	
88	16.0	0.0	33.0	





#35

Dibromofluoromethane

Concen: 48.435 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

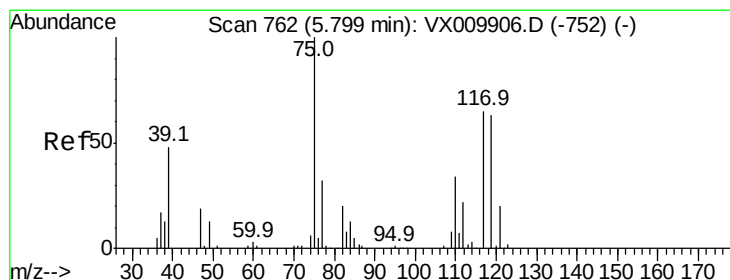
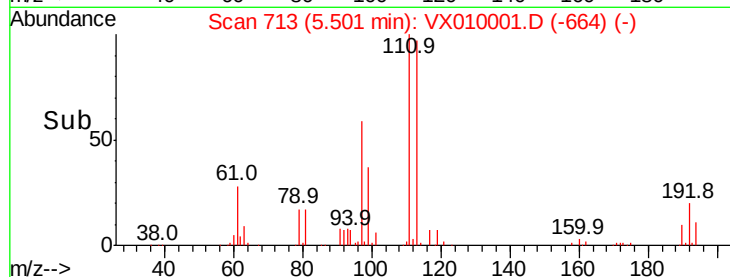
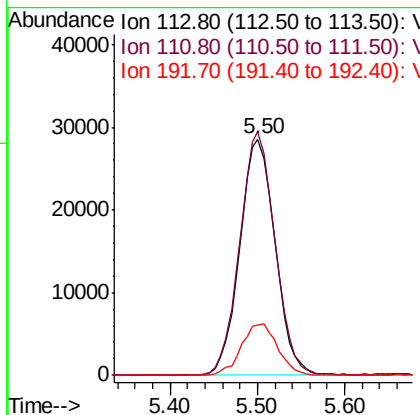
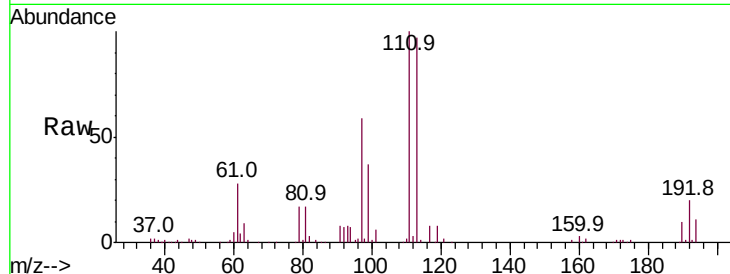
ClientSampleId :

VX0531WBS02

Tot Ion:	113	Resp:	80554
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.2	123.2
192	22.3	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#36

1,1-Dichloropropene

Concen: 17.982 ug/l

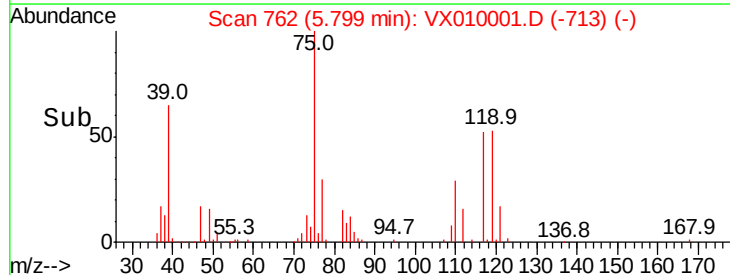
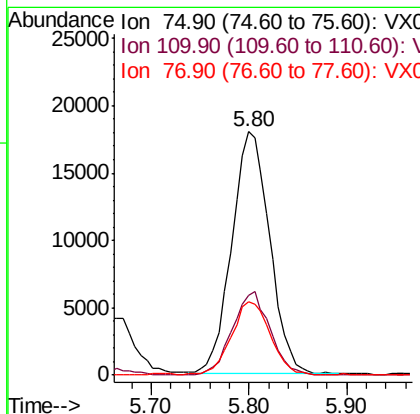
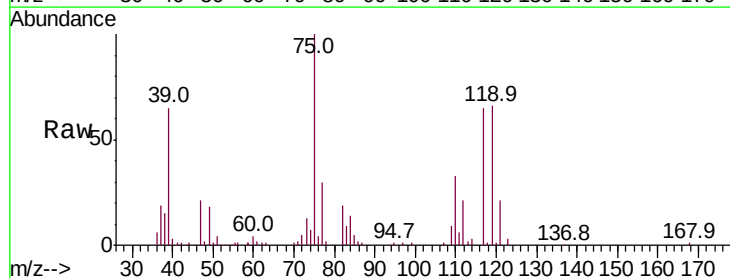
RT: 5.80 min Scan# 762

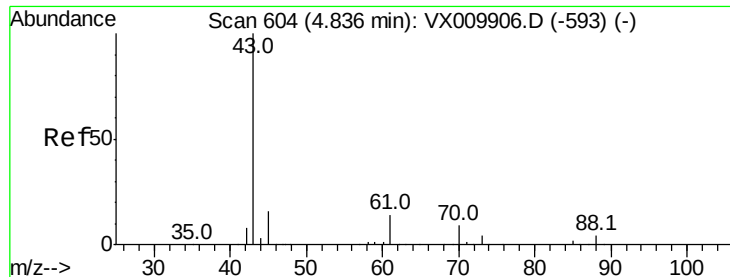
Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion:	75	Resp:	48265
Ion Ratio	Lower	Upper	
75	100		
110	34.1	16.7	50.1
77	31.5	25.0	37.4





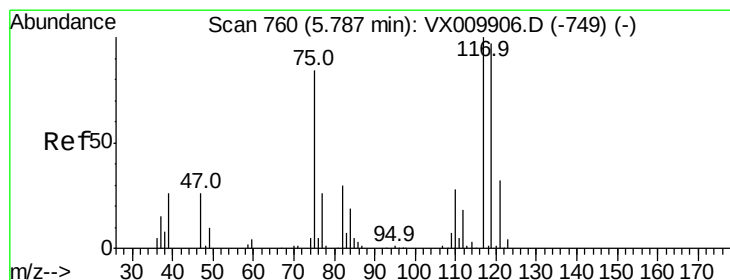
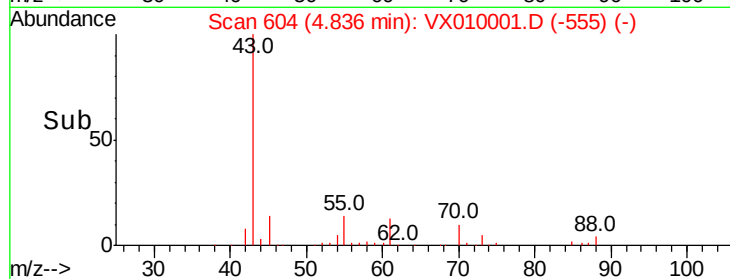
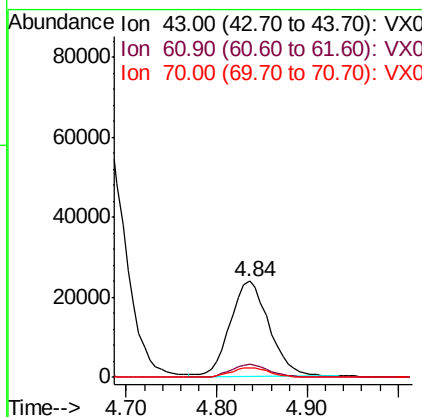
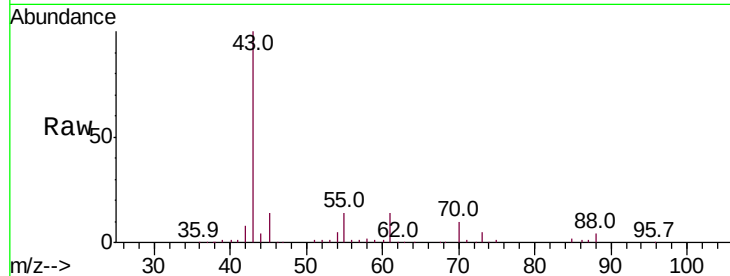
#37
Ethyl Acetate
Concen: 18.990 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.2
70	10.0	7.4	11.2

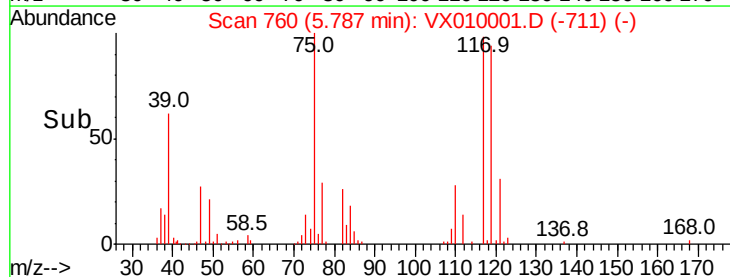
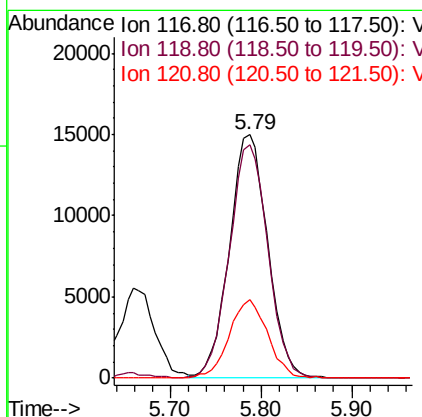
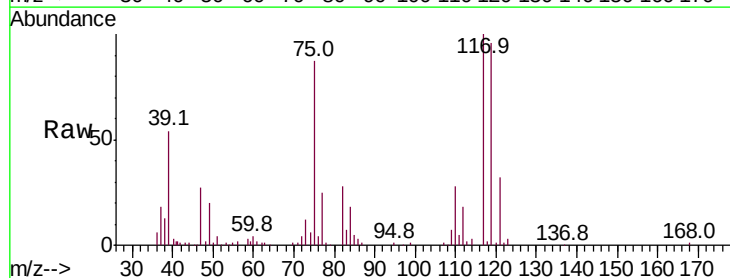
Manual Integrations
APPROVED

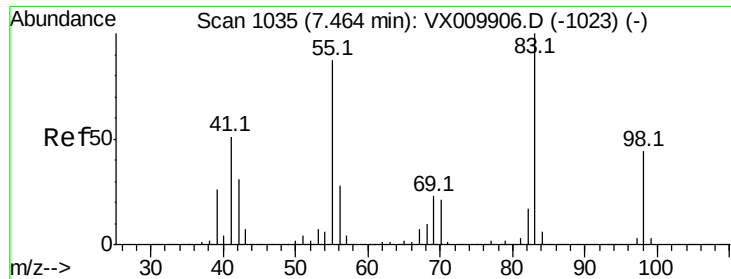
MMDadoda
6/3/2019 9:34:25 AM



#38
Carbon Tetrachloride
Concen: 19.075 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.3	115.9
121	32.0	25.4	38.0





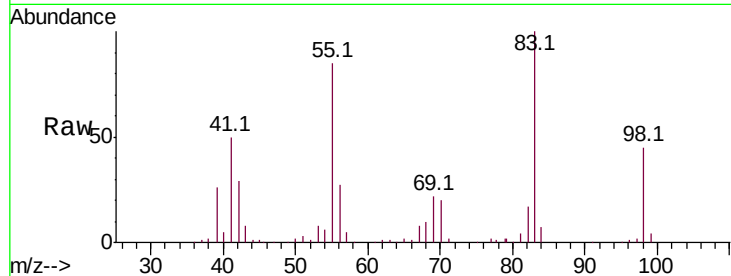
#39
Methylvlcyclohexane
Concen: 18.619 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

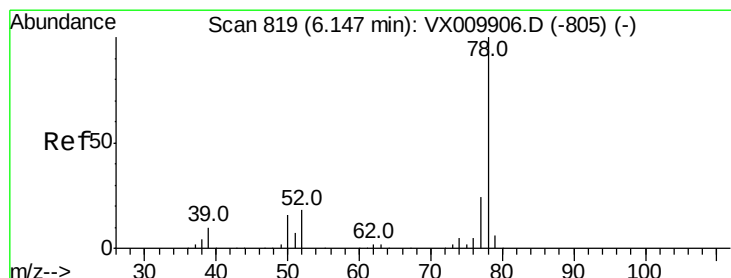
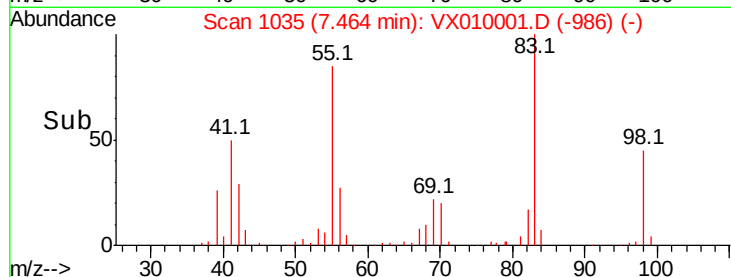
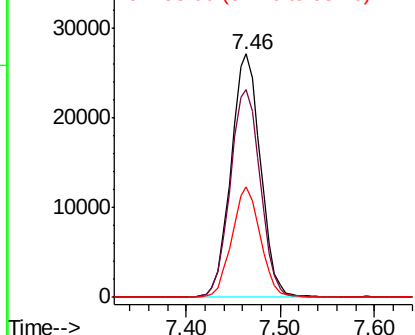
Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	69.9	104.9
98	45.2	35.1	52.7

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM

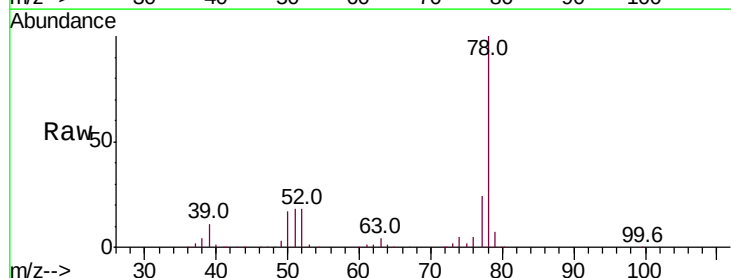


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

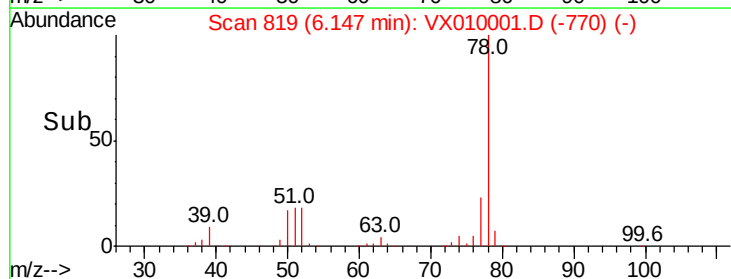
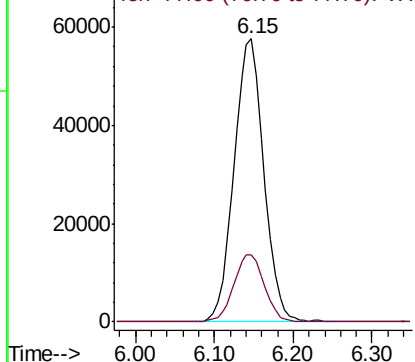


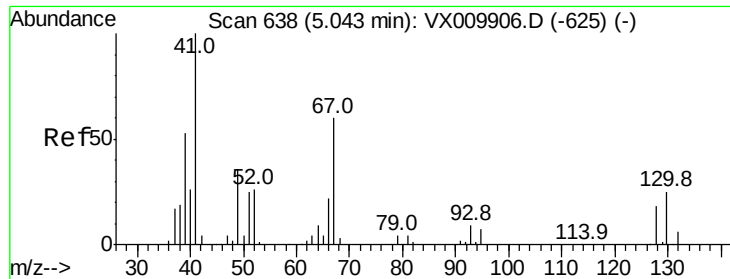
#40
Benzene
Concen: 18.971 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





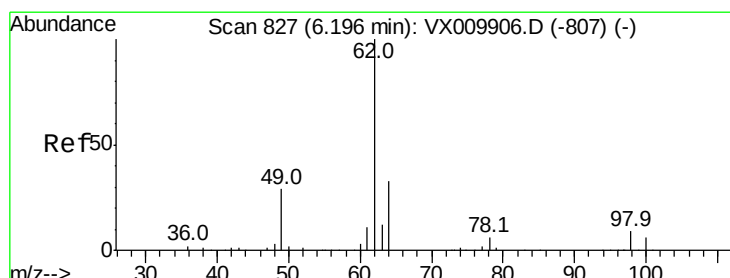
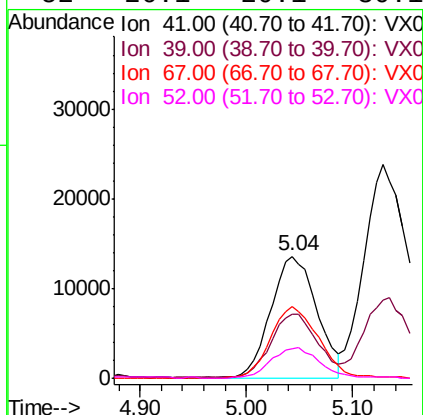
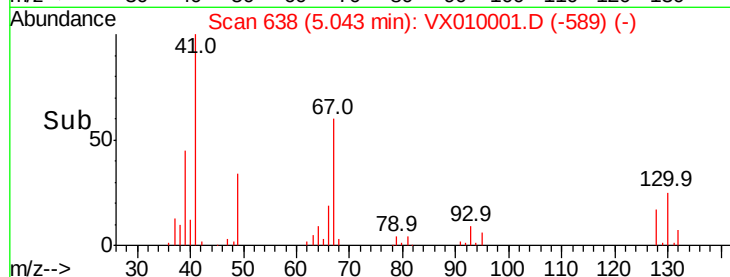
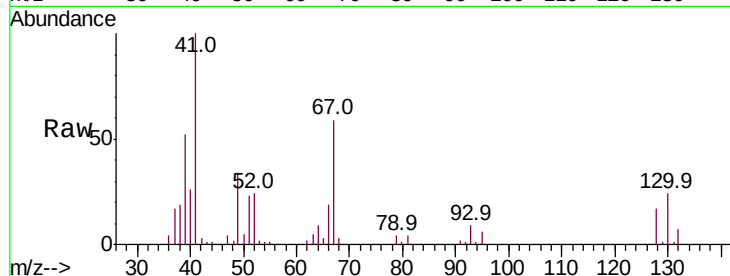
#41
Methacrylonitrile
Concen: 18.714 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.2	63.4	
67	61.2	48.9	73.3	
52	26.1	20.1	30.1	

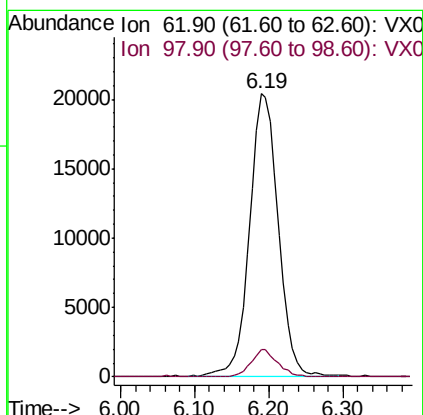
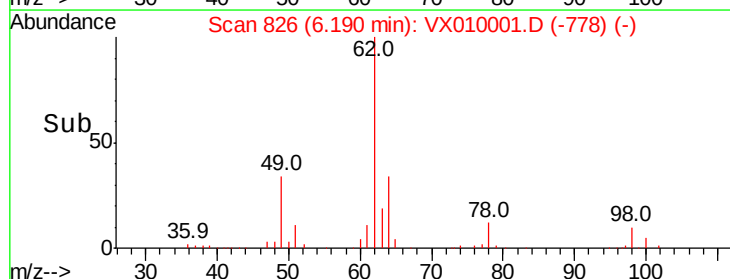
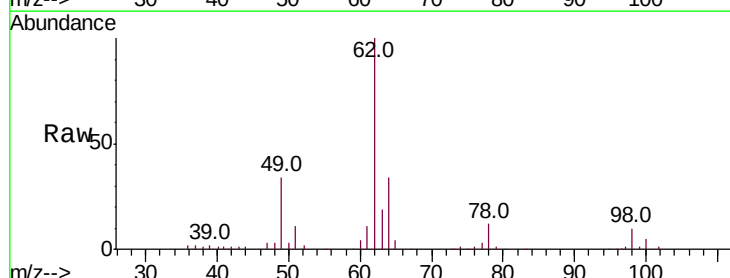
Manual Integrations
APPROVED

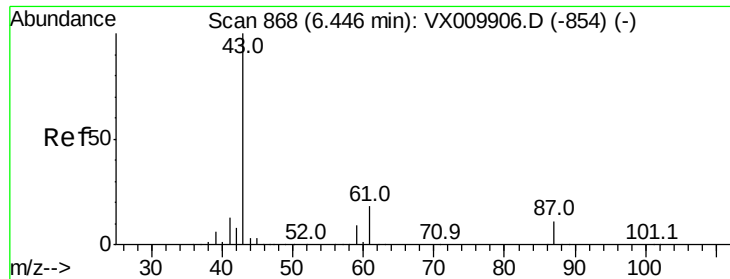
MMDadoda
6/3/2019 9:34:25 AM



#42
1,2-Dichloroethane
Concen: 18.845 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





#43

Isopropyl Acetate

Concen: 18.721 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

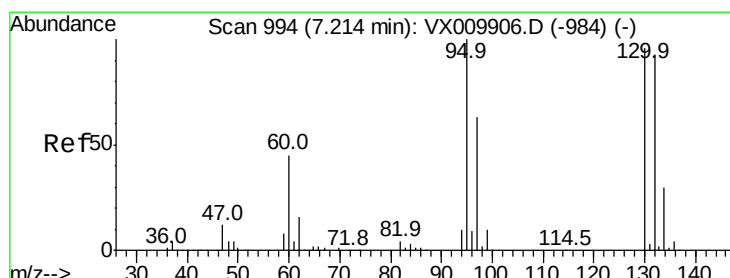
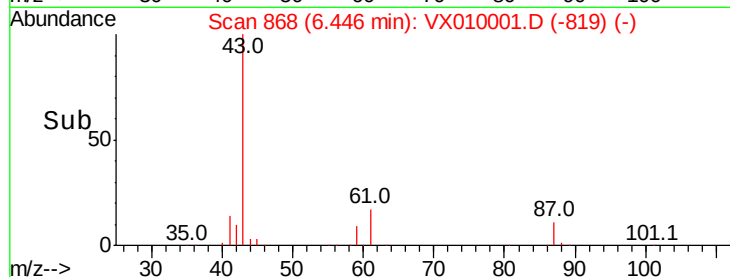
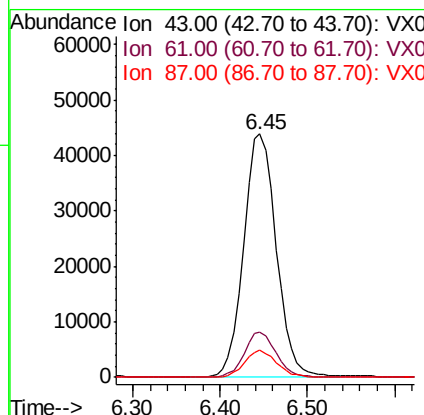
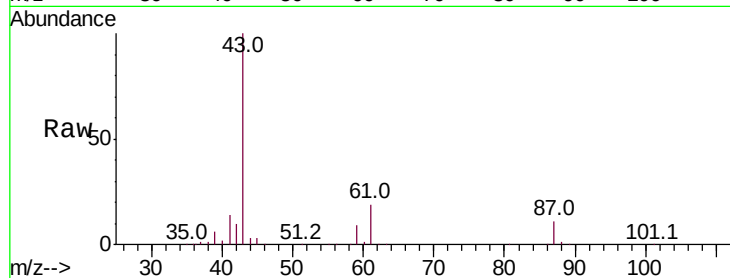
ClientSampleId :

VX0531WBS02

Tot Ion:	43	Resp:	112968
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.6	21.8
87	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#44

Trichloroethene

Concen: 18.488 ug/l

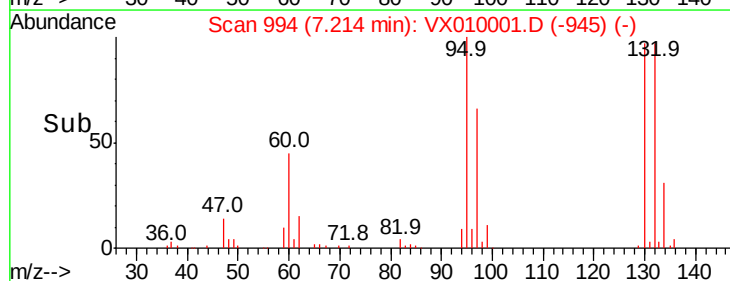
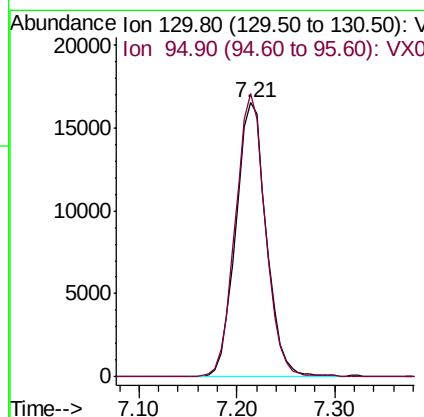
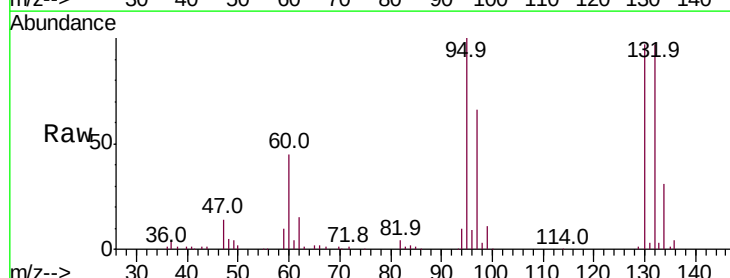
RT: 7.21 min Scan# 994

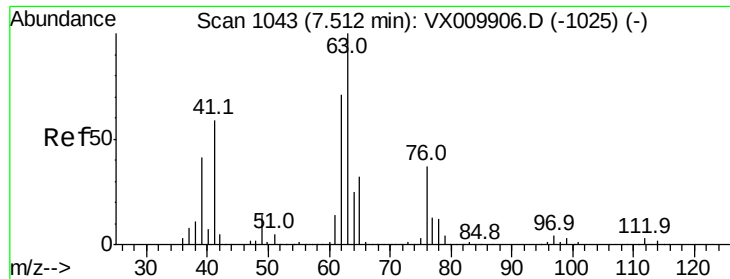
Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion:	130	Resp:	35755
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	207.4





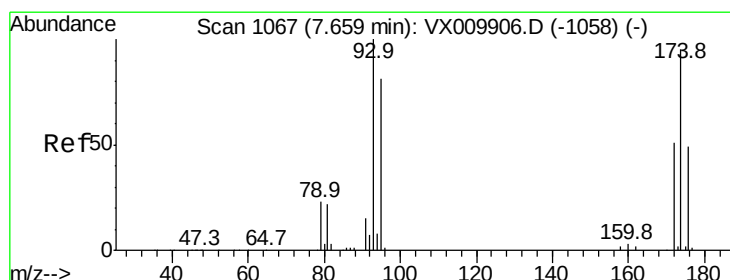
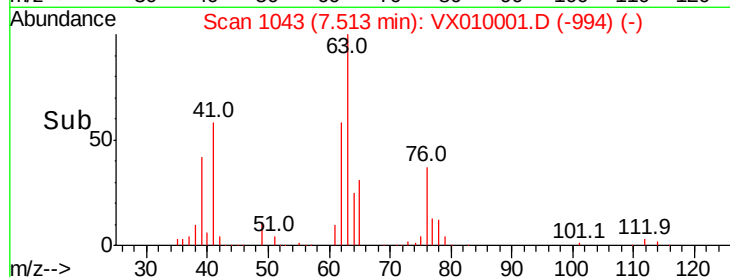
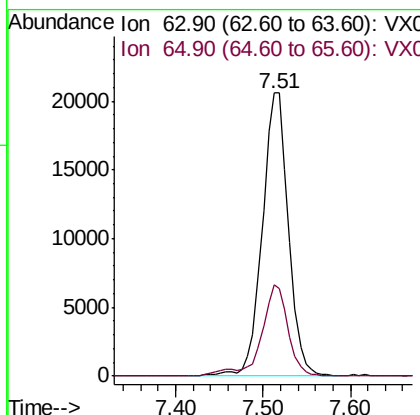
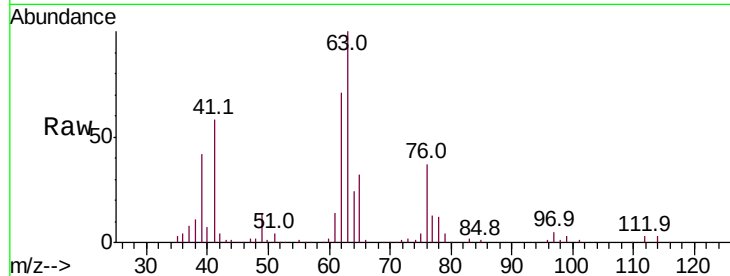
#45
 1,2-Dichloropropane
 Concen: 18.863 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion: 63 Resp: 43234
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.7 38.5

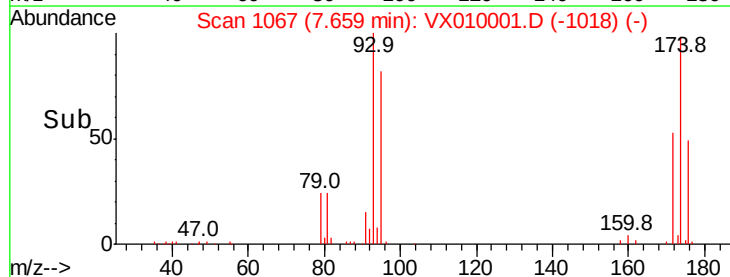
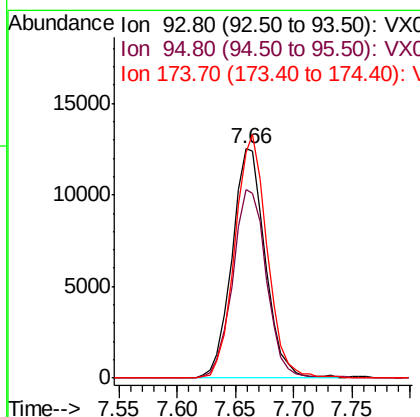
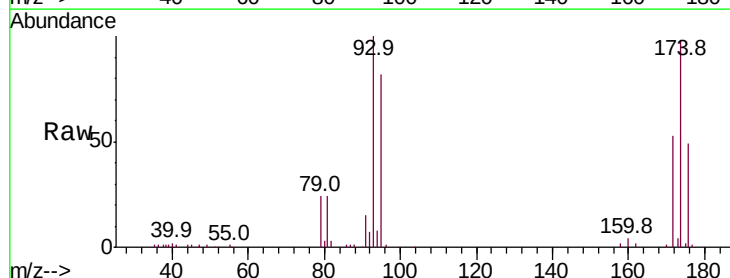
Manual Integrations
 APPROVED

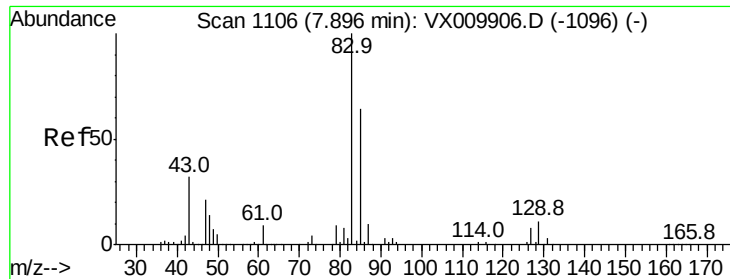
MMDadoda
 6/3/2019 9:34:25 AM



#46
 Dibromomethane
 Concen: 18.434 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 93 Resp: 24870
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.8 100.2
 174 103.3 81.9 122.9





#47

Bromodichloromethane

Concen: 19.094 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

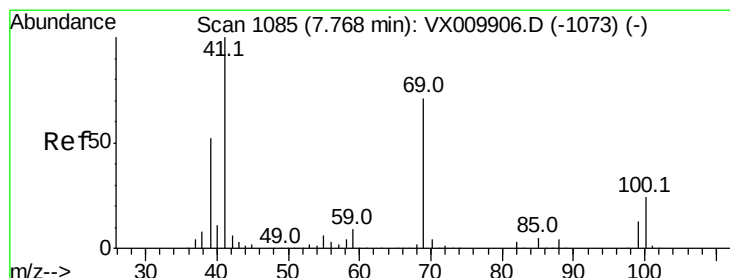
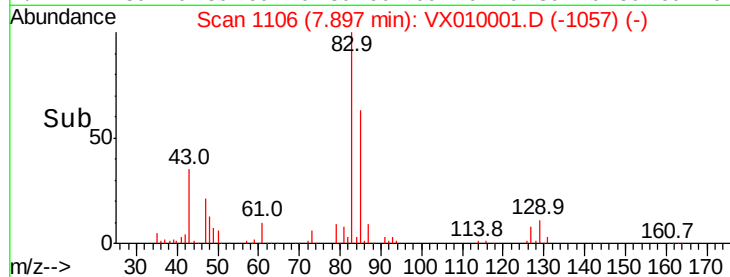
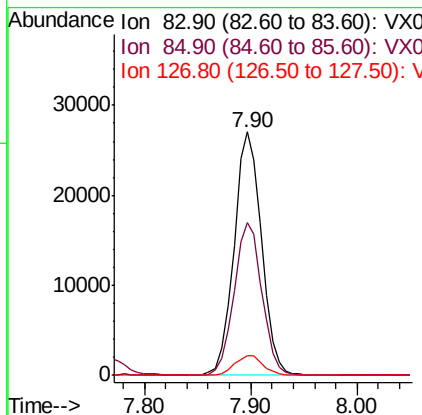
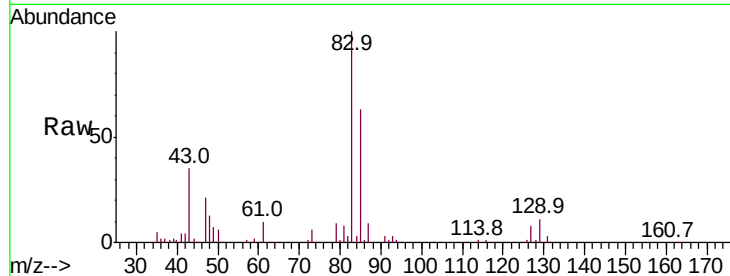
ClientSampleId :

VX0531WBS02

Tot Ion:	83	Resp:	48985
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2
127	8.0	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#48

Methyl methacrylate

Concen: 18.737 ug/l

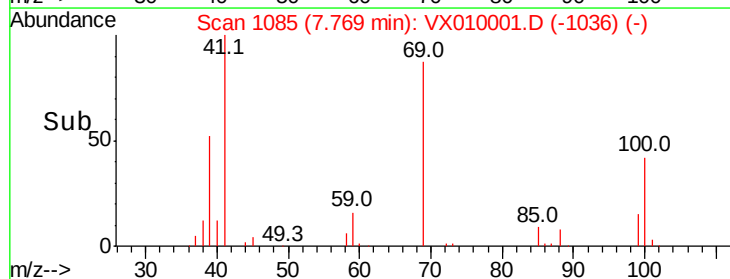
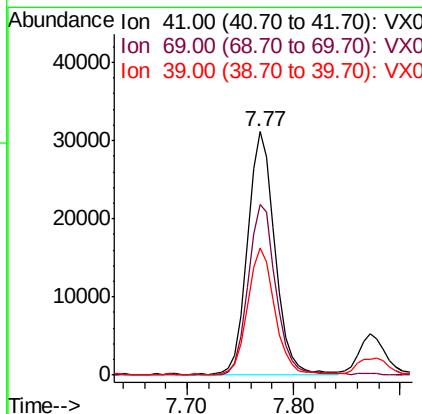
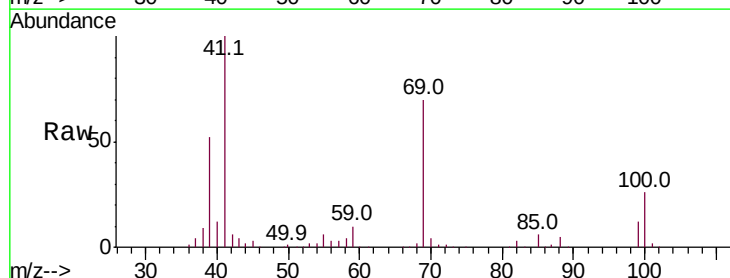
RT: 7.77 min Scan# 1085

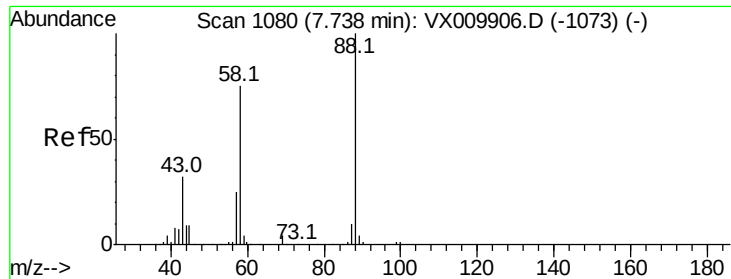
Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion:	41	Resp:	55971
Ion	Ratio	Lower	Upper
41	100		
69	71.6	56.4	84.6
39	52.7	40.6	60.8





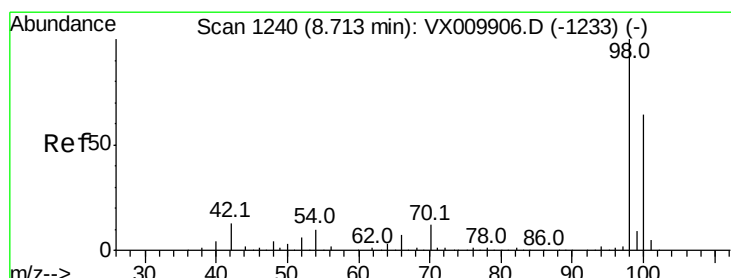
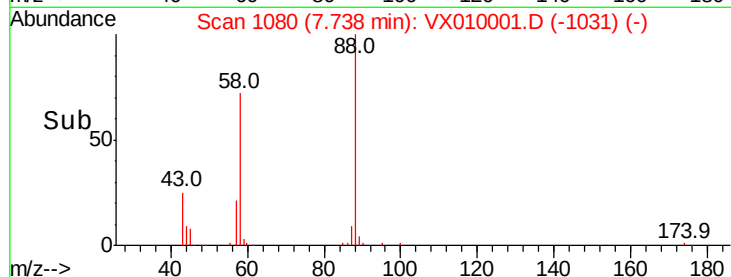
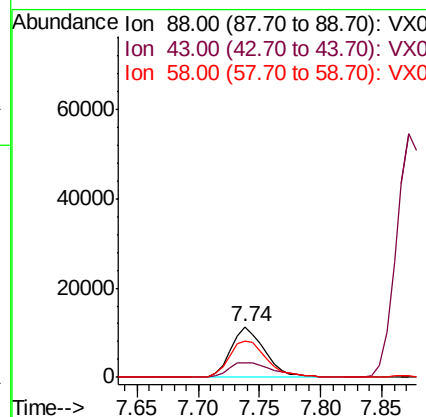
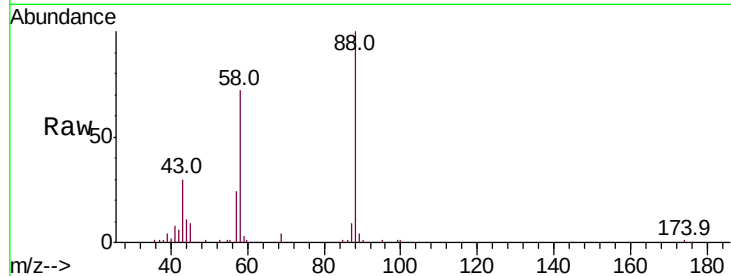
#49
1,4-Dioxane
Concen: 393.913 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	30.2	45.4
58	80.6	64.0	96.0

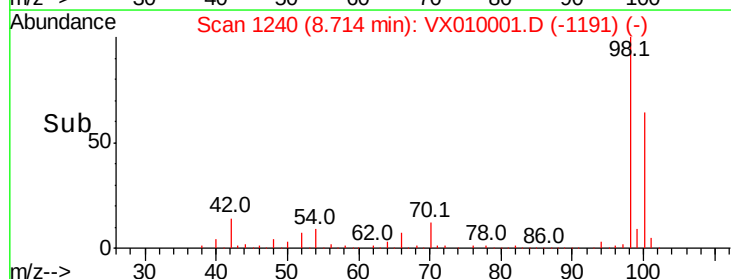
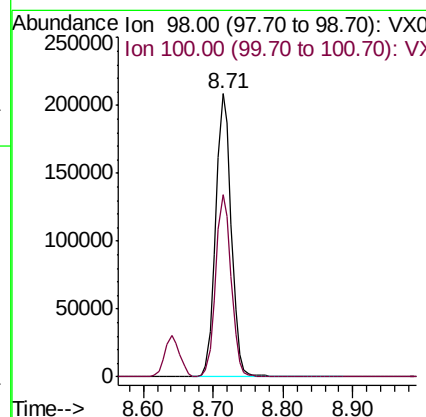
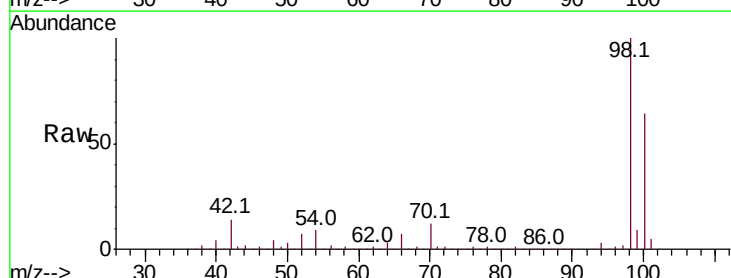
Manual Integrations
APPROVED

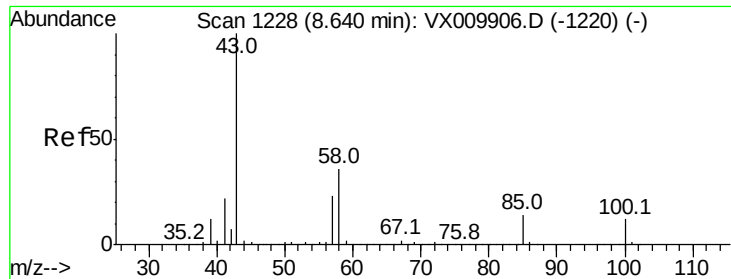
MMDadoda
6/3/2019 9:34:25 AM



#50
Toluene-d8
Concen: 48.098 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 96.073 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 43 Resp: 377132

Ion Ratio Lower Upper

43 100

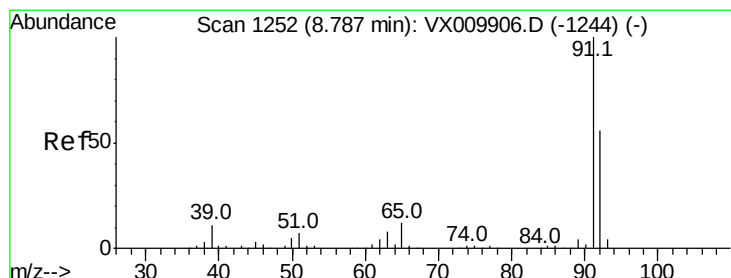
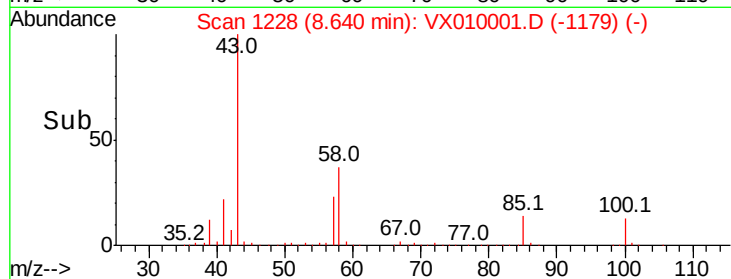
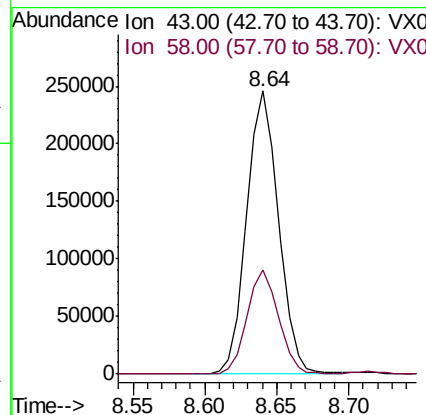
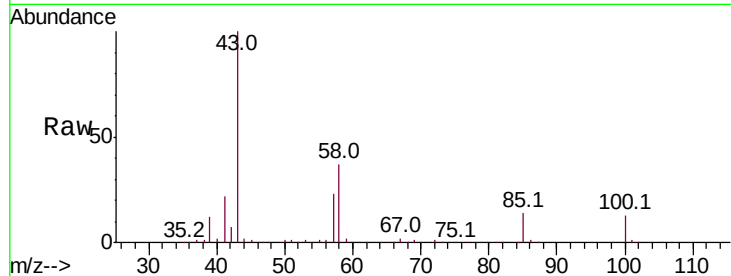
58 36.3 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:25 AM



#52

Toluene

Concen: 19.115 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010001.D

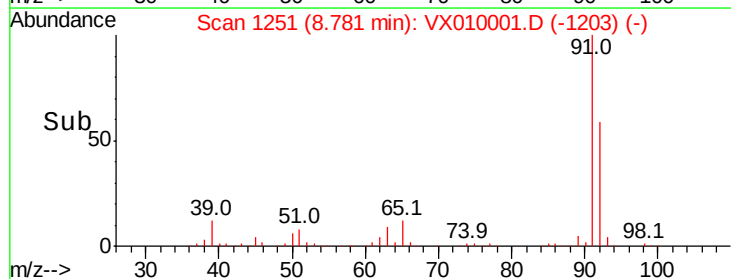
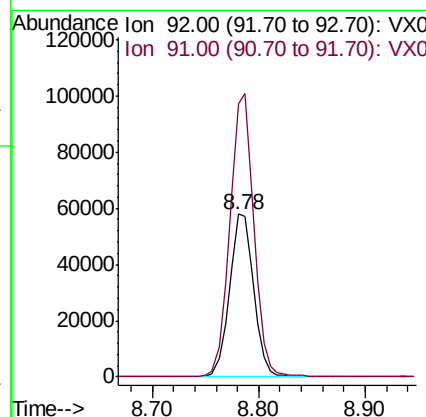
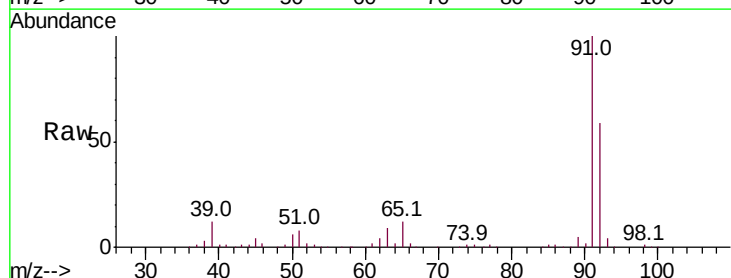
Acq: 31 May 2019 22:37

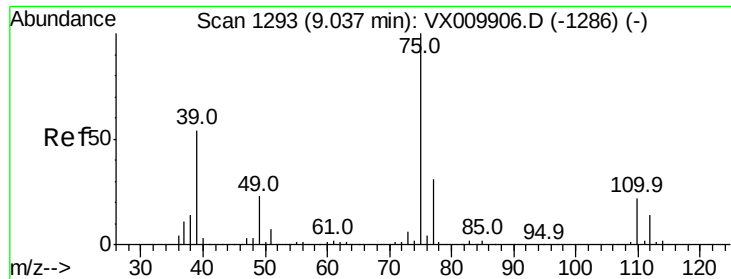
Tgt Ion: 92 Resp: 92408

Ion Ratio Lower Upper

92 100

91 172.7 139.9 209.9





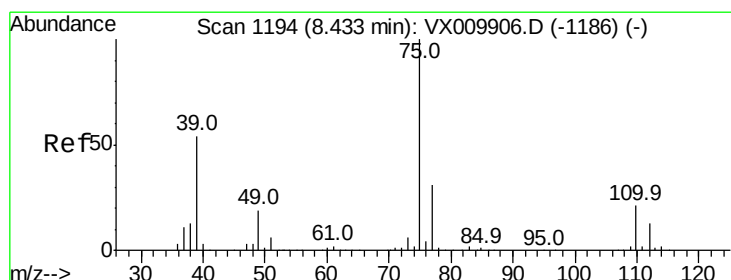
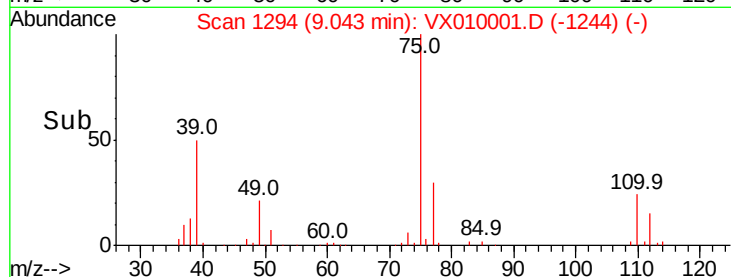
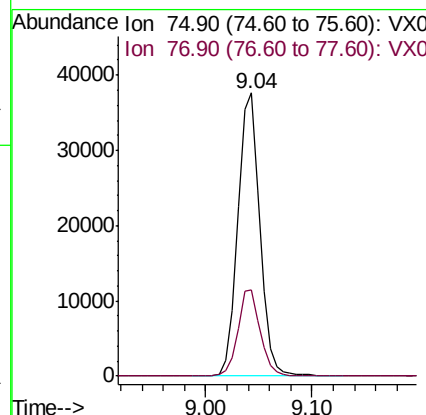
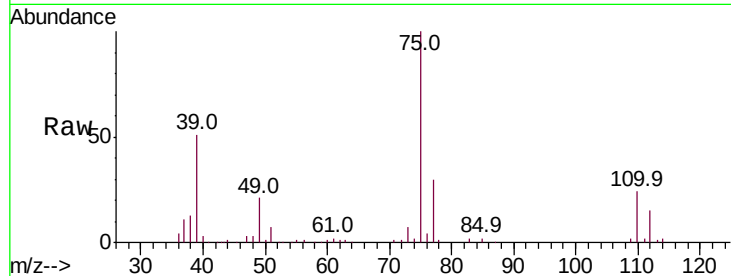
#53
t-1,3-Dichloropropene
Concen: 17.773 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion: 75 Resp: 54686
Ion Ratio Lower Upper
75 100
77 30.4 24.6 36.8

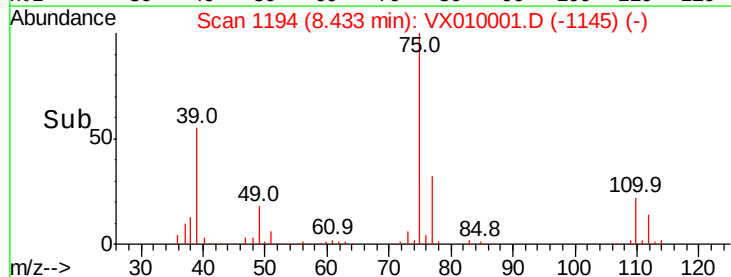
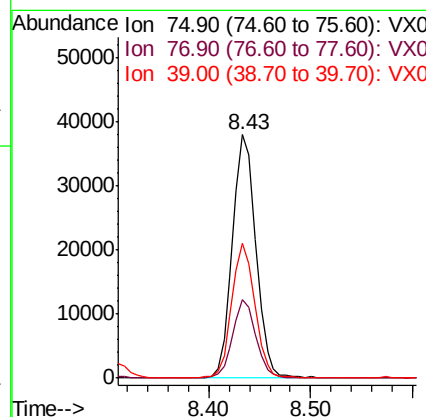
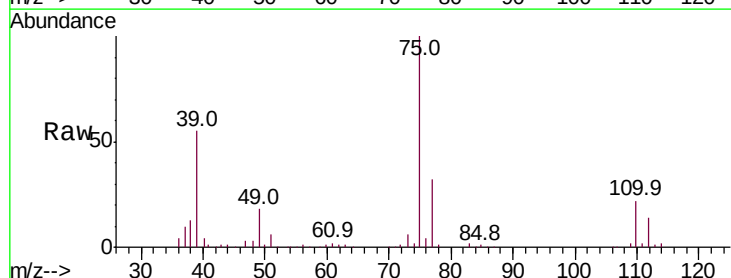
Manual Integrations
APPROVED

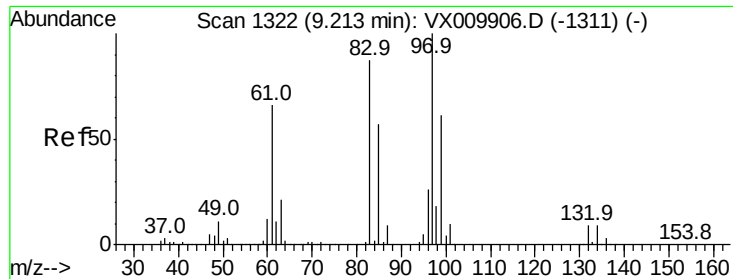
MMDadoda
6/3/2019 9:34:25 AM



#54
cis-1,3-Dichloropropene
Concen: 18.112 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 75 Resp: 60717
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2
39 55.2 43.4 65.0





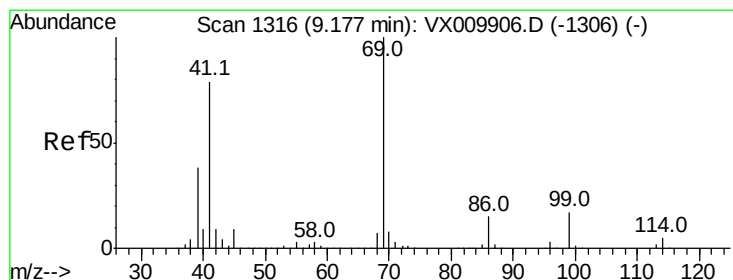
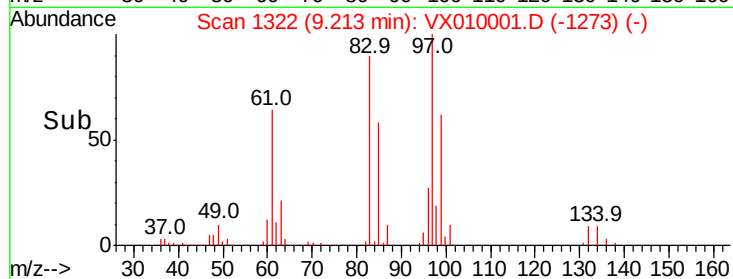
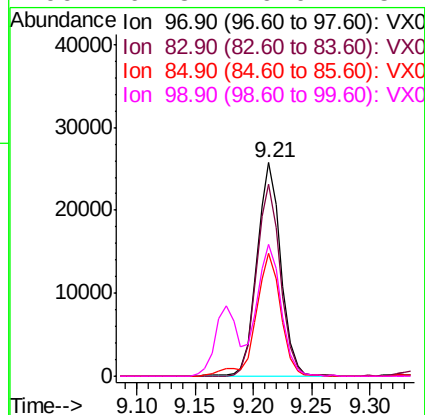
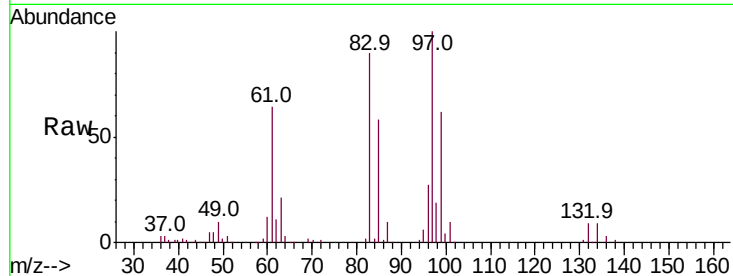
#55
 1,1,2-Trichloroethane
 Concen: 18.949 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion:	97	Resp:	36870
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.8	104.8
85	57.7	45.3	67.9
99	61.8	49.0	73.4

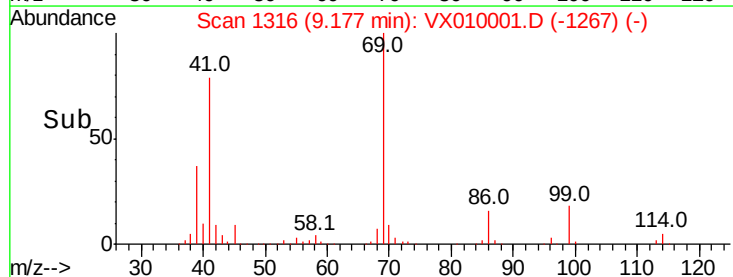
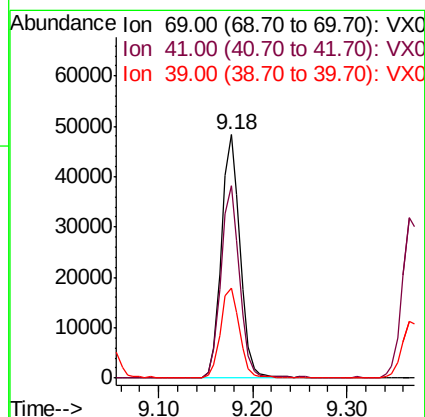
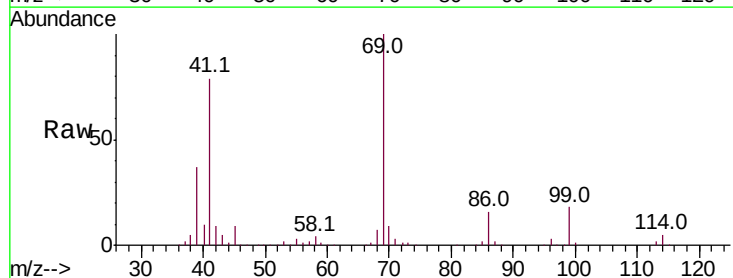
Manual Integrations
 APPROVED

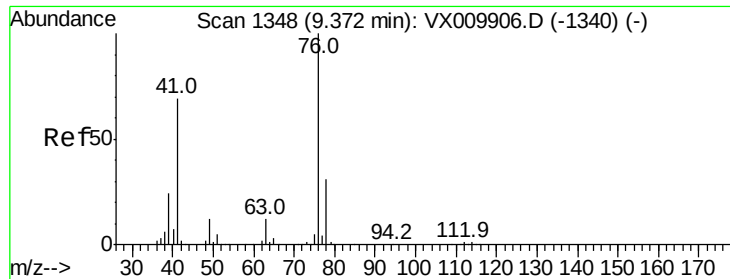
MMDadoda
 6/3/2019 9:34:25 AM



#56
 Ethyl methacrylate
 Concen: 19.291 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion:	69	Resp:	66824
Ion	Ratio	Lower	Upper
69	100		
41	77.8	62.7	94.1
39	37.3	29.5	44.3





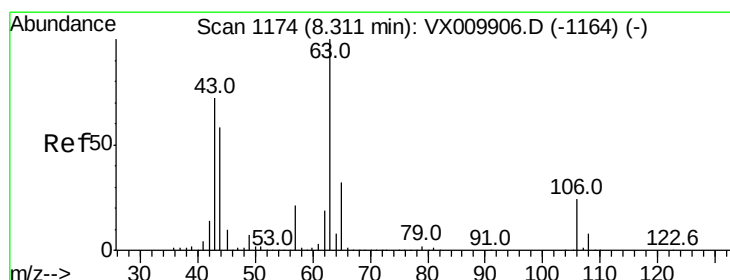
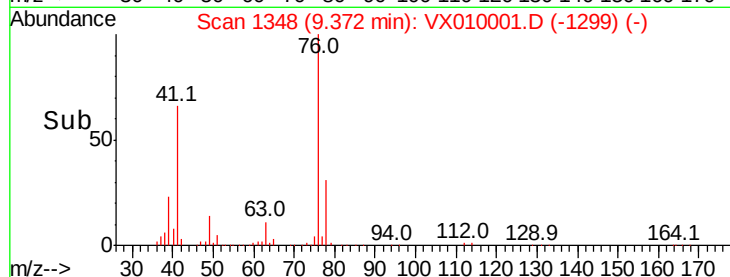
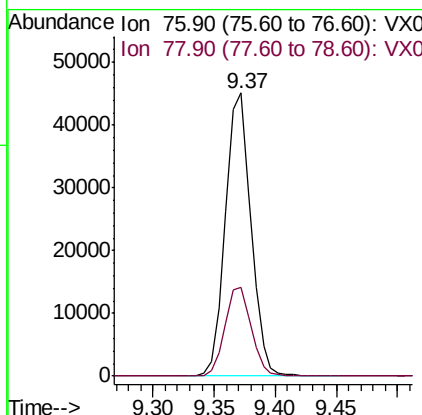
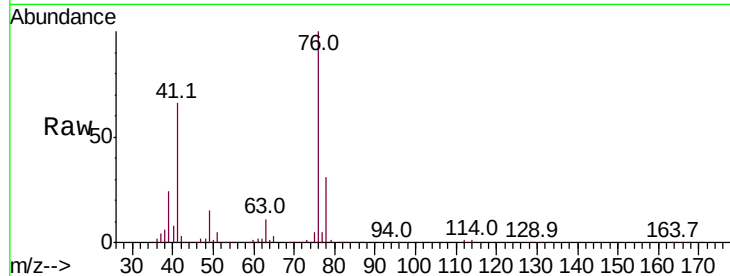
#57
 1,3-Dichloropropane
 Concen: 18.682 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion: 76 Resp: 65279
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

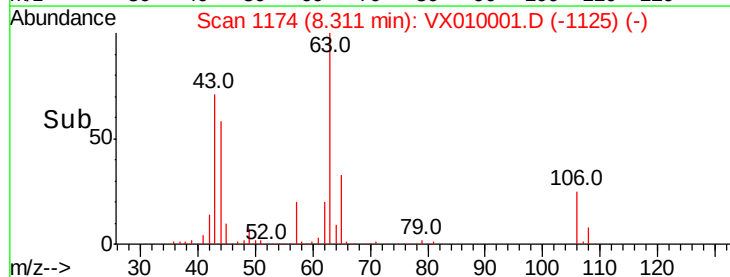
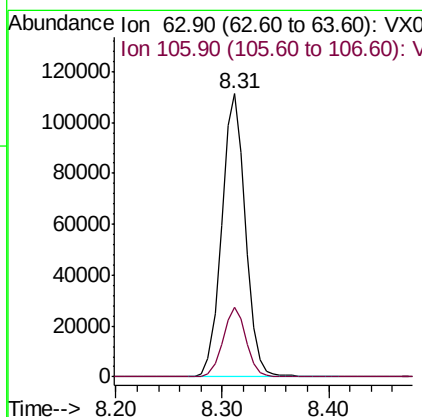
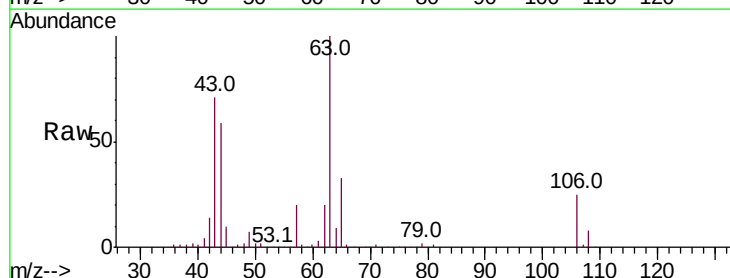
Manual Integrations
 APPROVED

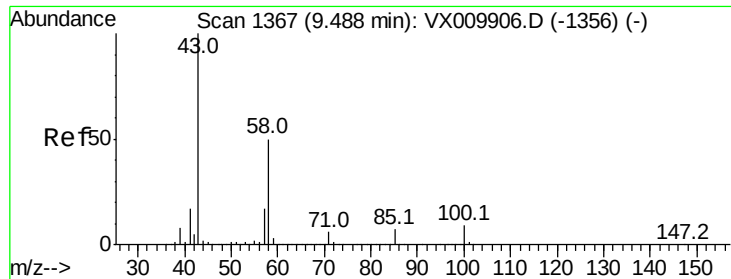
MMDadoda
 6/3/2019 9:34:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.096 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 63 Resp: 172735
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.2





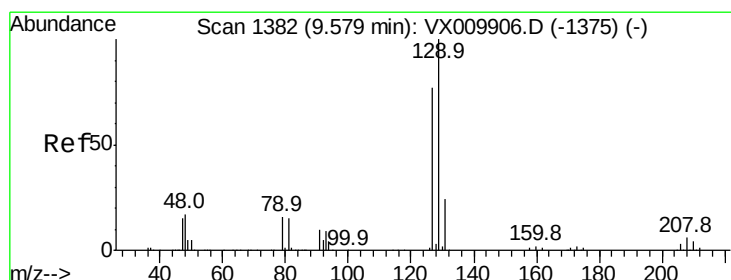
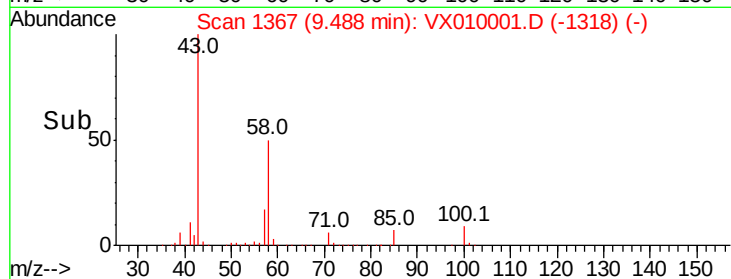
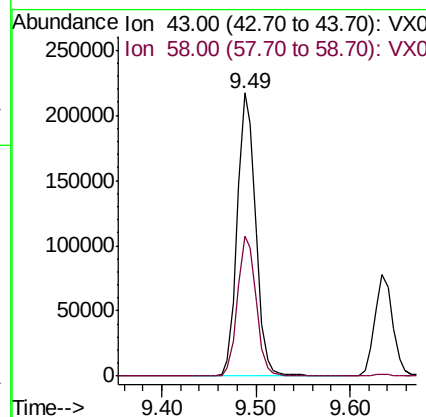
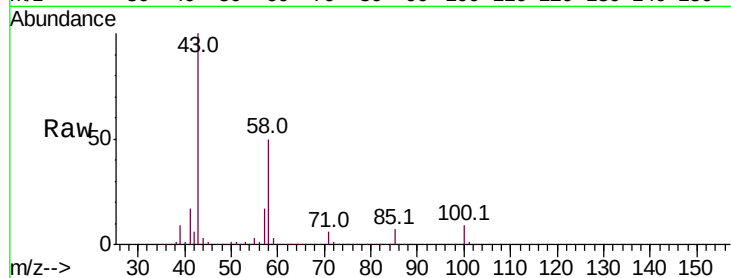
#59
2-Hexanone
Concen: 97.303 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	25.1	75.3

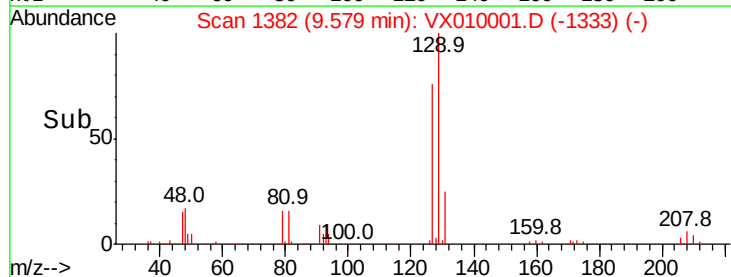
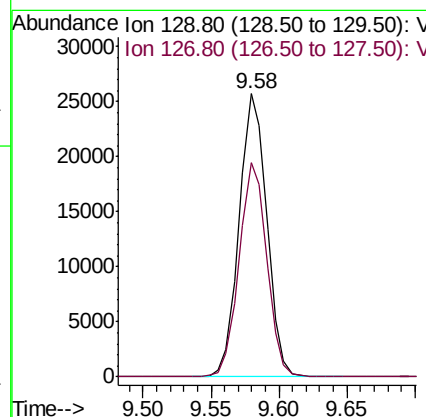
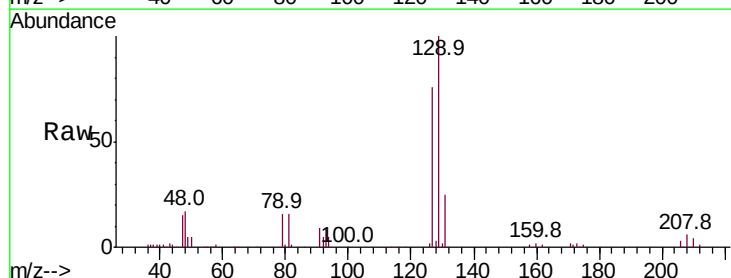
Manual Integrations
APPROVED

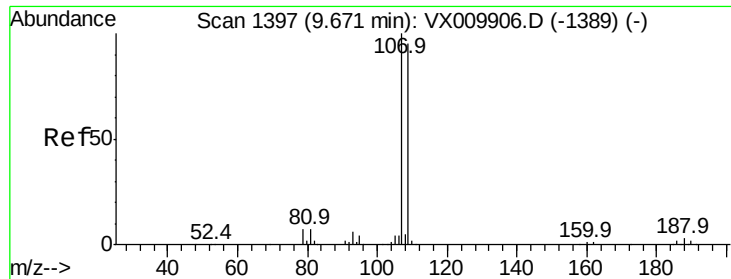
MMDadoda
6/3/2019 9:34:25 AM



#60
Dibromochloromethane
Concen: 19.029 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5





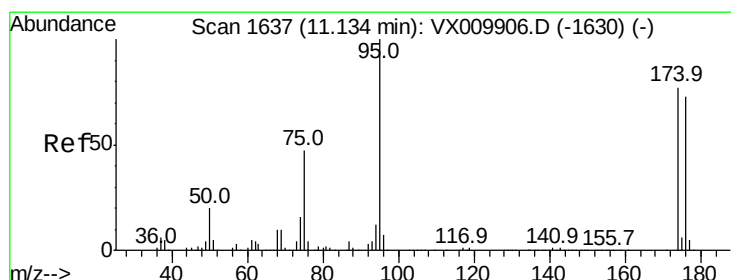
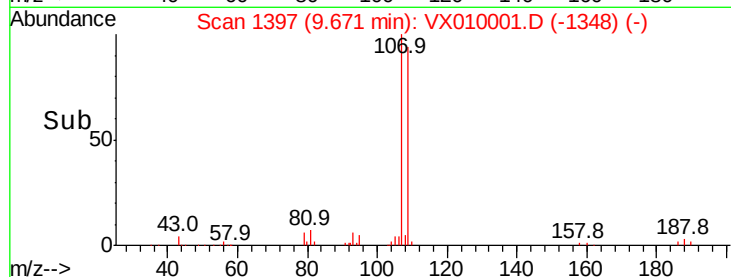
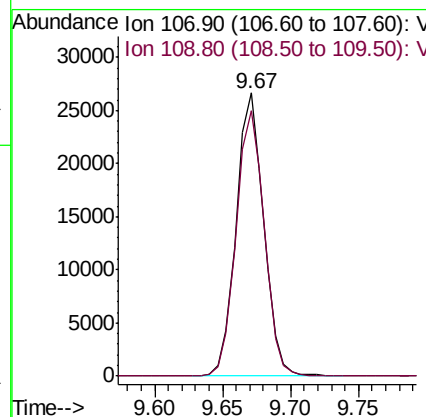
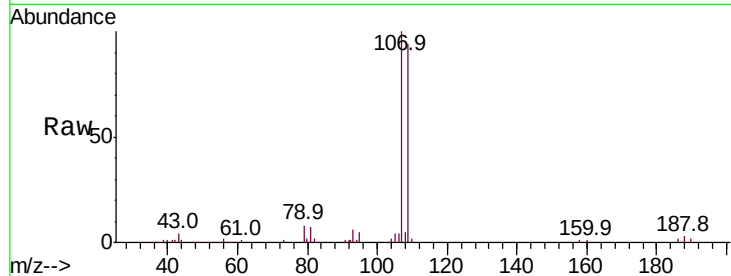
#61
 1,2-Dibromoethane
 Concen: 18.767 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.2

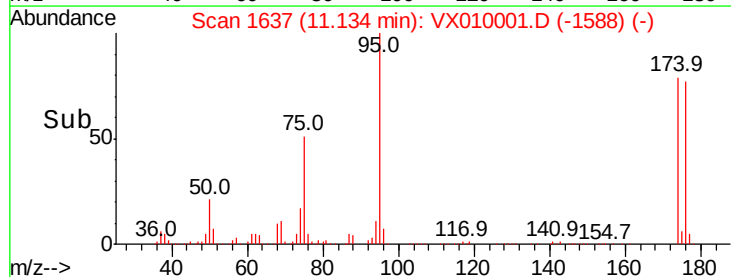
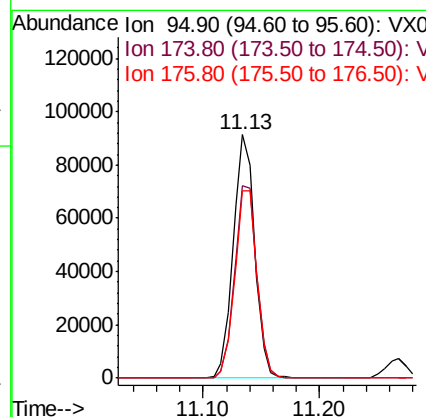
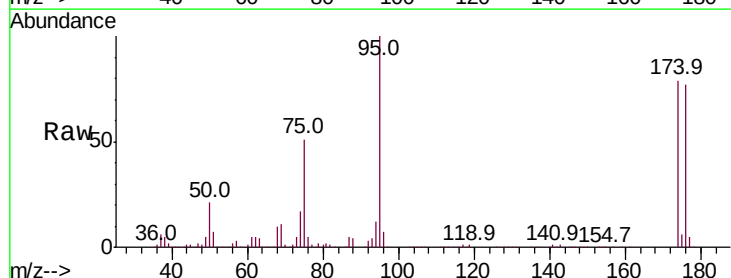
Manual Integrations
 APPROVED

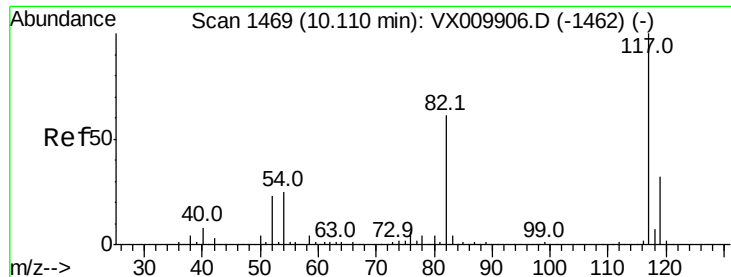
MMDadoda
 6/3/2019 9:34:25 AM



#62
 4-Bromofluorobenzene
 Concen: 48.397 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	160.4
176	80.2	0.0	154.6





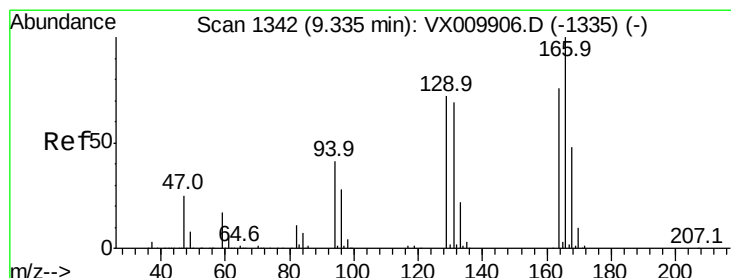
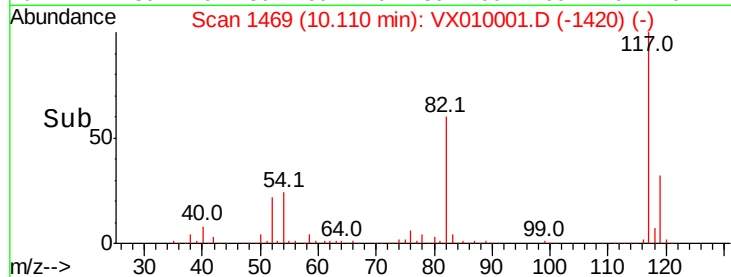
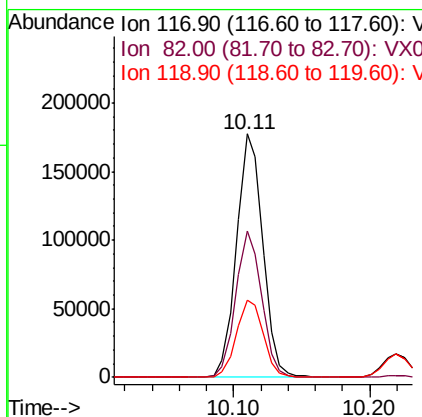
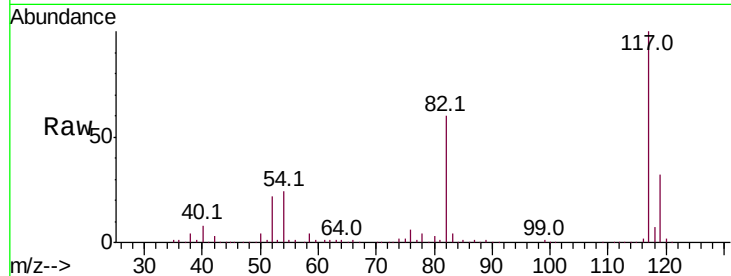
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	49.2	73.8
119	31.6	25.2	37.8

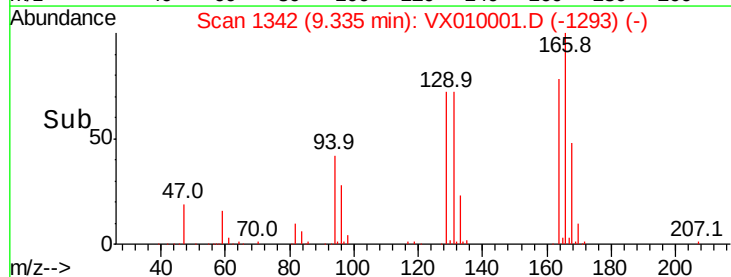
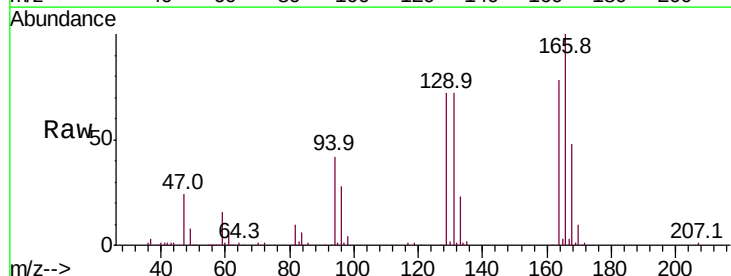
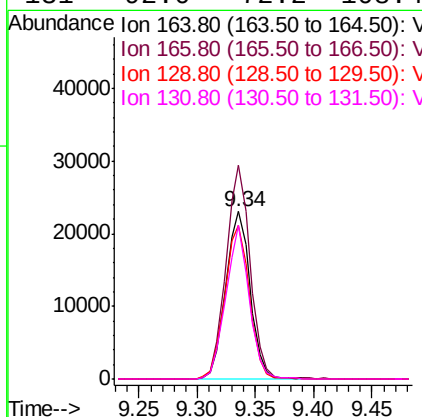
Manual Integrations
APPROVED

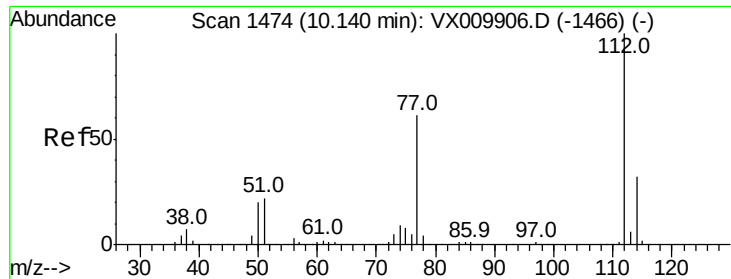
MMDadoda
6/3/2019 9:34:25 AM



#64
Tetrachloroethene
Concen: 20.146 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	105.0	157.4
129	91.4	75.1	112.7
131	92.0	72.2	108.4





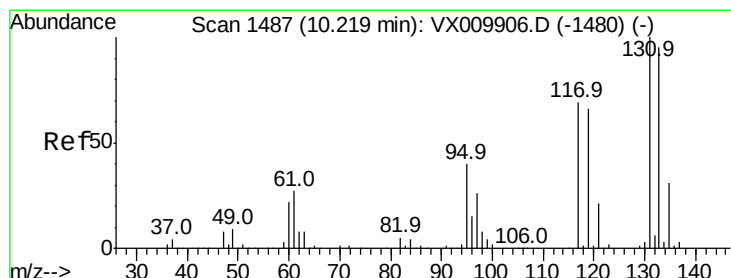
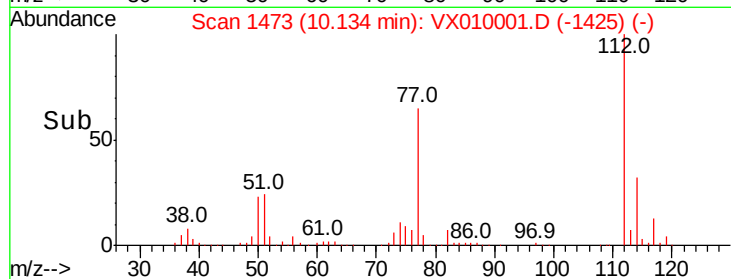
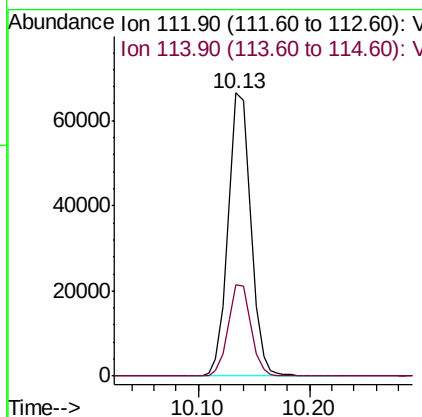
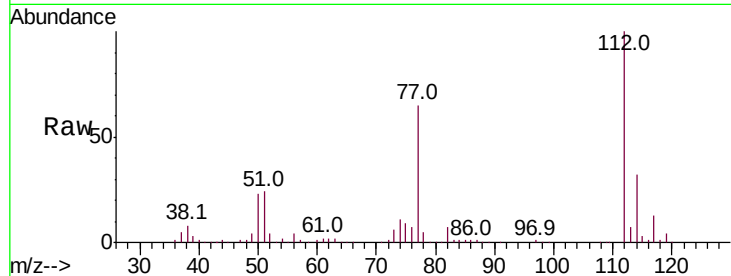
#65
Chlorobenzene
Concen: 18.921 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampled :
VX0531WBS02

Tot Ion:112 Resp: 94559
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

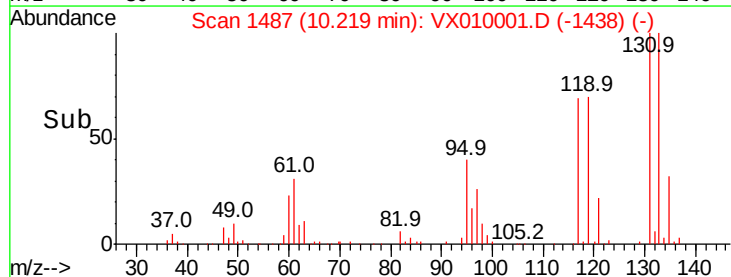
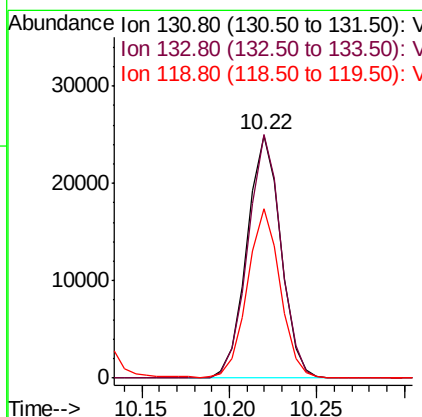
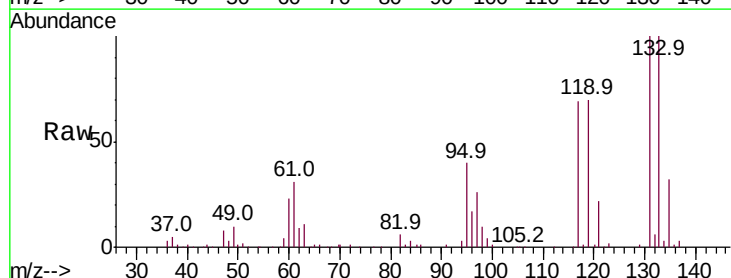
Manual Integrations
APPROVED

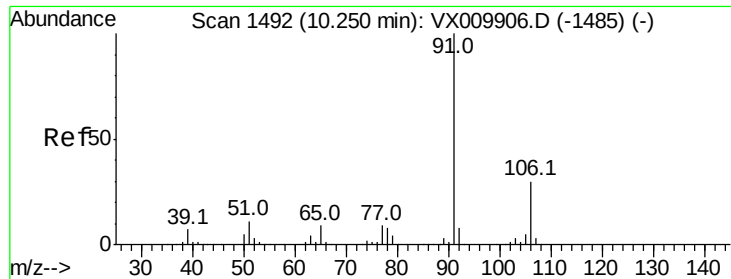
MMDadoda
6/3/2019 9:34:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.391 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:131 Resp: 33611
Ion Ratio Lower Upper
131 100
133 98.0 47.5 142.6
119 68.0 33.4 100.1





#67

Ethyl Benzene

Concen: 19.496 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 91 Resp: 174943

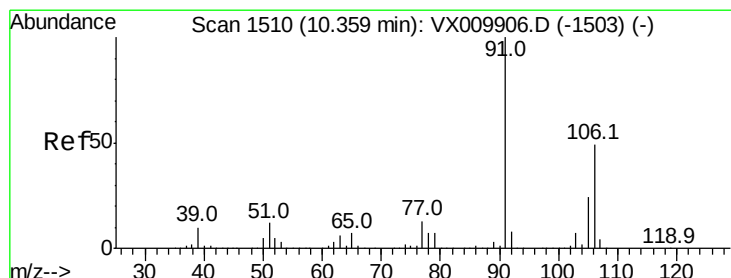
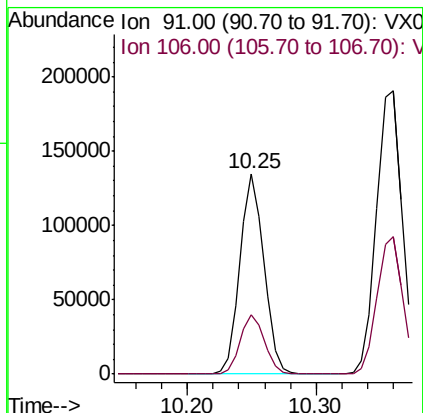
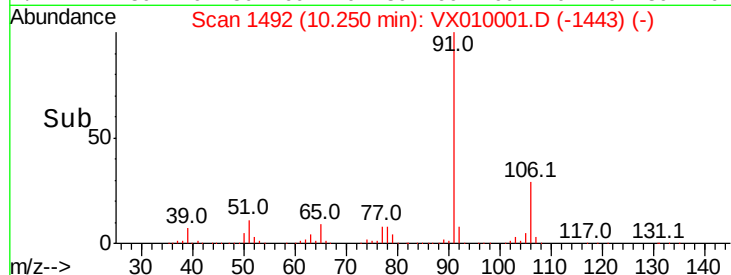
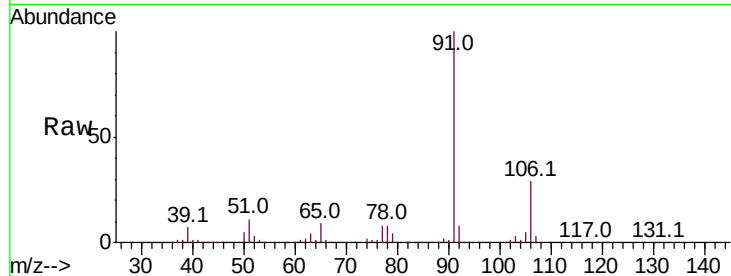
Ion Ratio Lower Upper

91 100

106 29.5 23.9 35.9

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#68

m/p-Xylenes

Concen: 38.456 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010001.D

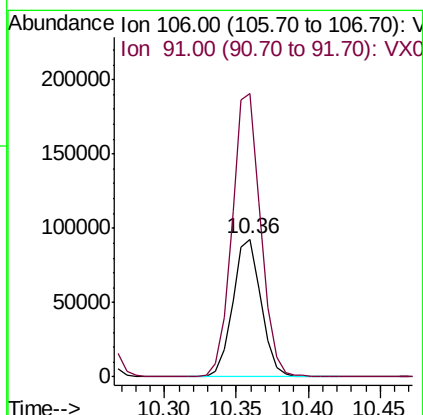
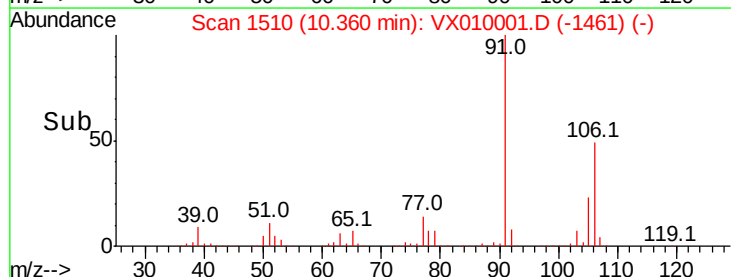
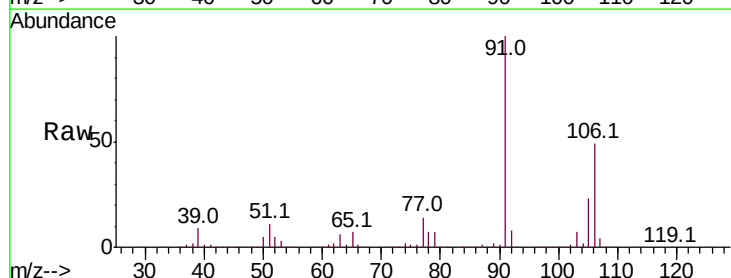
Acq: 31 May 2019 22:37

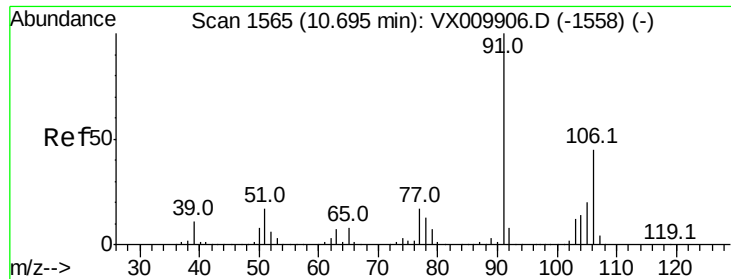
Tgt Ion: 106 Resp: 127482

Ion Ratio Lower Upper

106 100

91 207.1 167.3 250.9





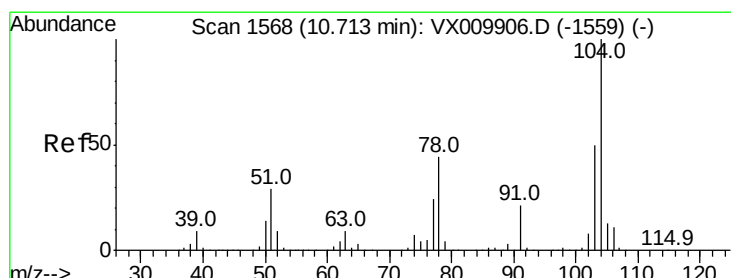
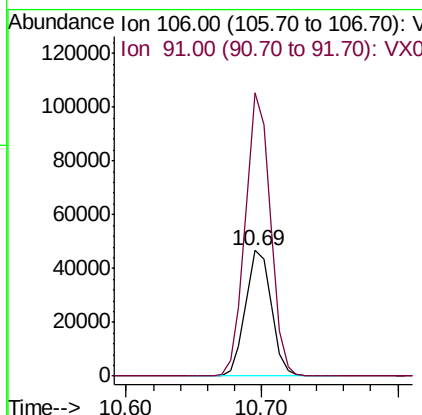
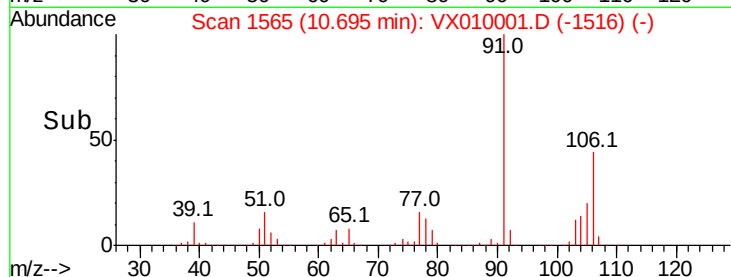
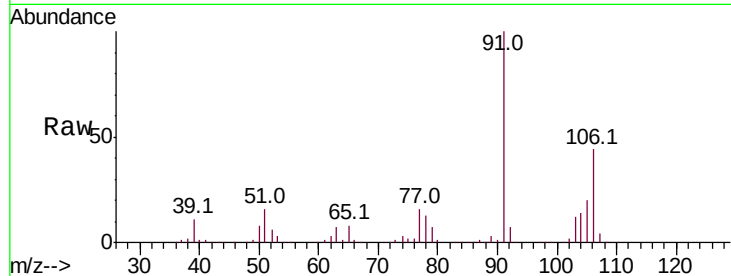
#69
o-Xylene
Concen: 19.707 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion:106 Resp: 62652
Ion Ratio Lower Upper
106 100
91 218.4 110.4 331.2

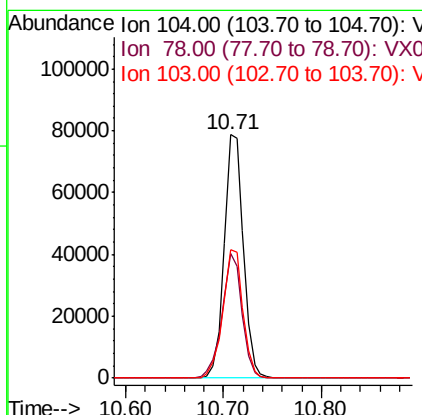
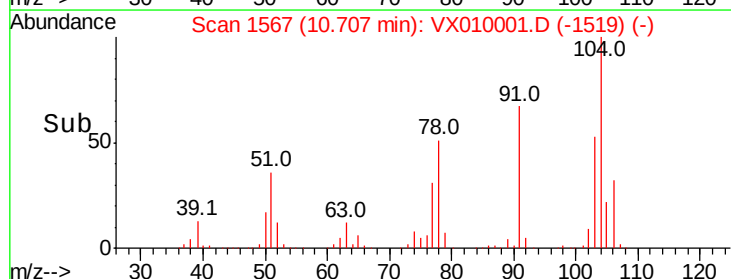
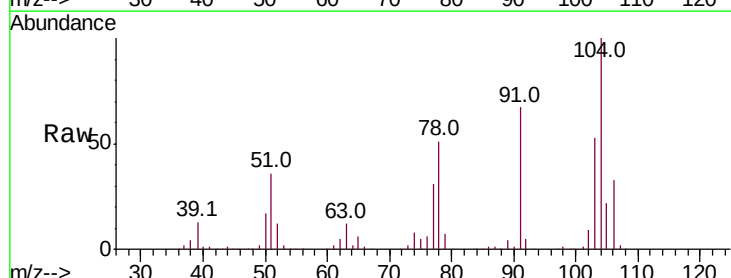
Manual Integrations
APPROVED

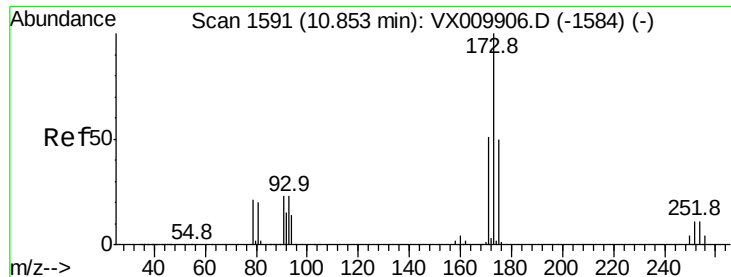
MMDadoda
6/3/2019 9:34:25 AM



#70
Styrene
Concen: 19.236 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:104 Resp: 107238
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 55.6 44.1 66.1





#71

Bromoform

Concen: 19.508 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion:173 Resp: 27640

Ion Ratio Lower Upper

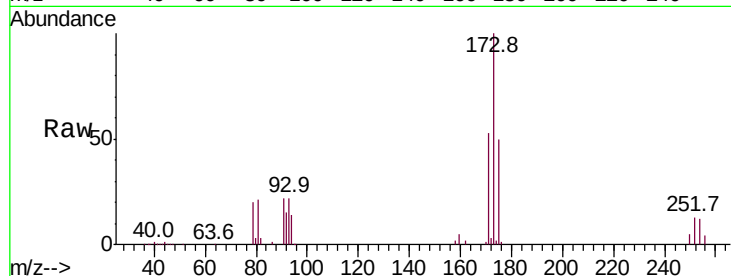
173 100

175 49.3 25.0 75.0

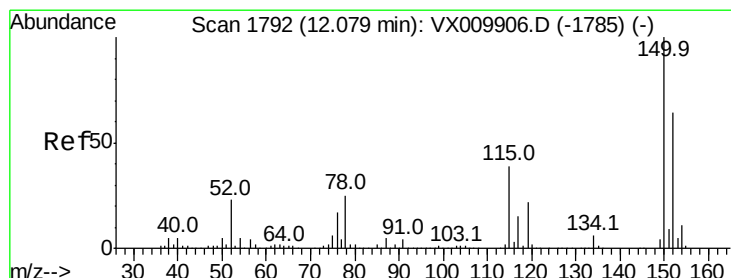
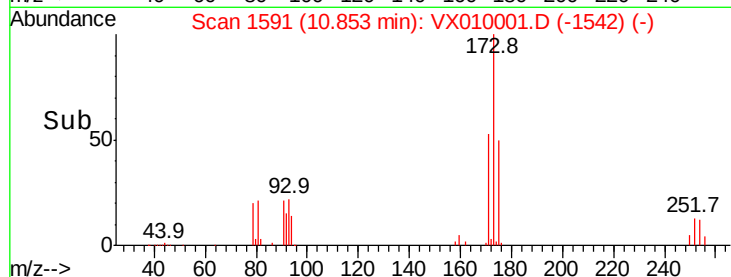
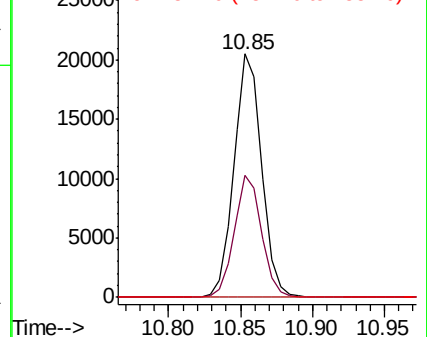
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

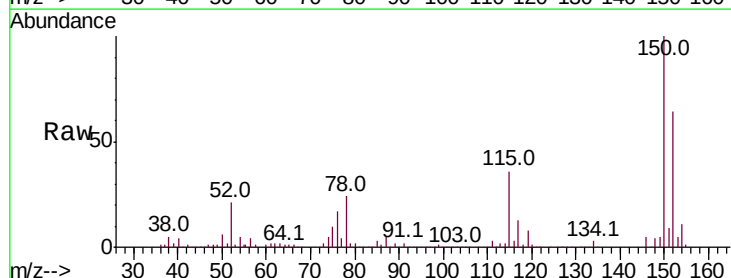
Tgt Ion:152 Resp: 115044

Ion Ratio Lower Upper

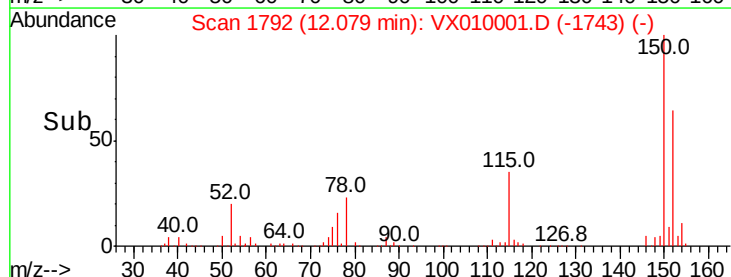
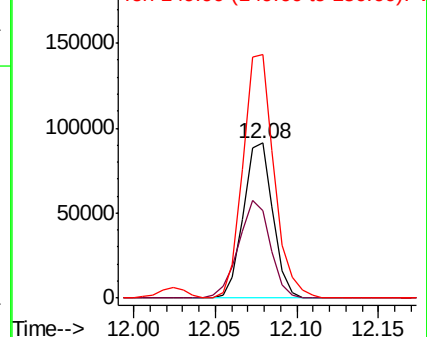
152 100

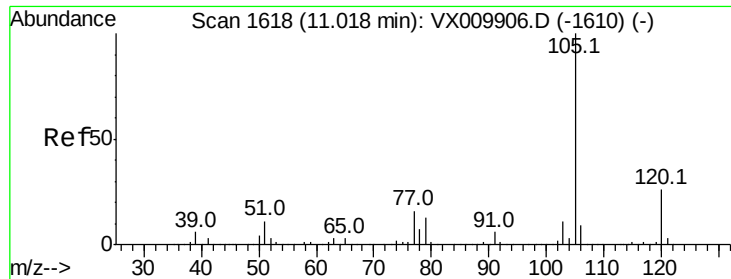
115 68.3 41.4 124.2

150 165.9 0.0 345.2



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: 19.691 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion:105 Resp: 167139

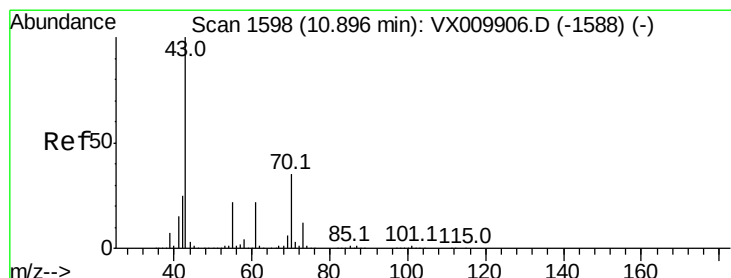
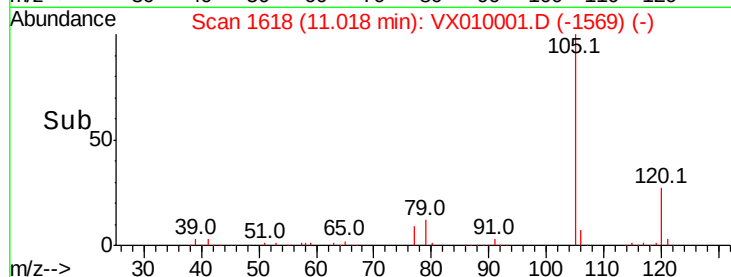
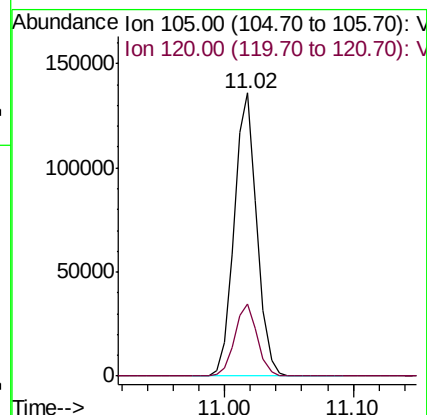
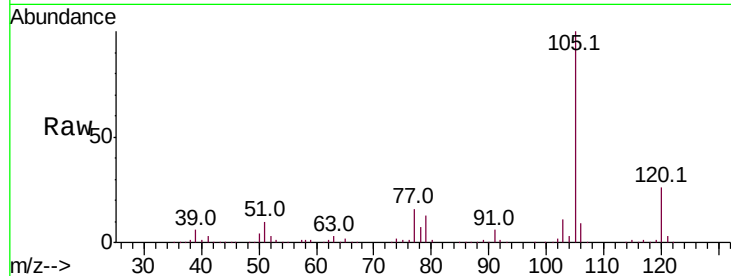
Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#74

N-ethyl acetate

Concen: 19.651 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion: 43 Resp: 99672

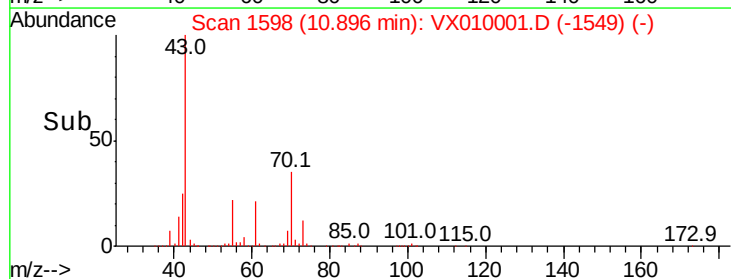
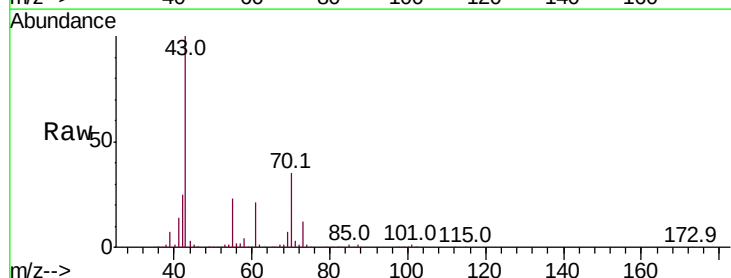
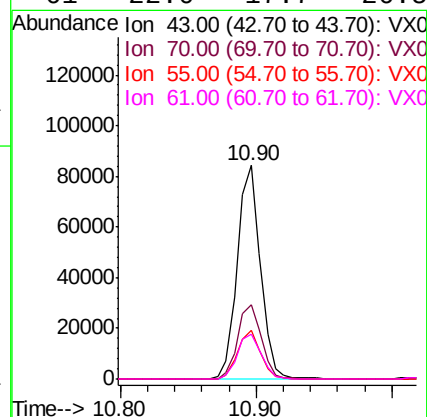
Ion Ratio Lower Upper

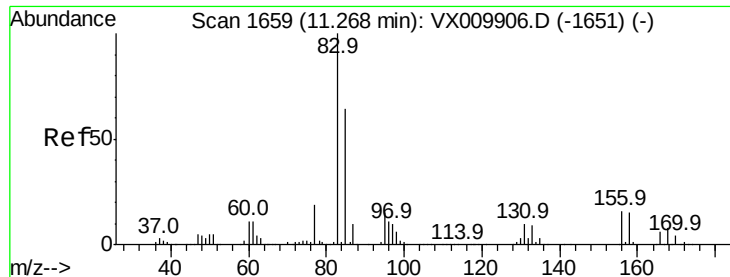
43 100

70 36.3 28.6 43.0

55 22.7 17.8 26.8

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.559 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion: 83 Resp: 61939

Ion Ratio Lower Upper

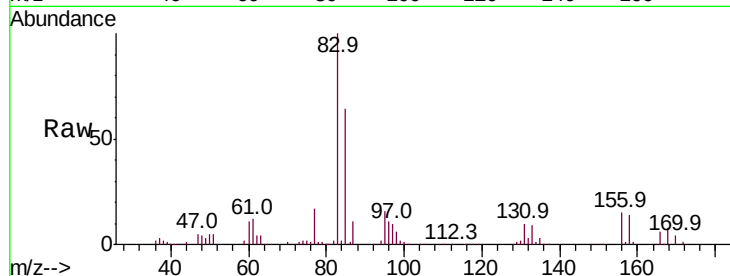
83 100

131 9.4 4.7 14.1

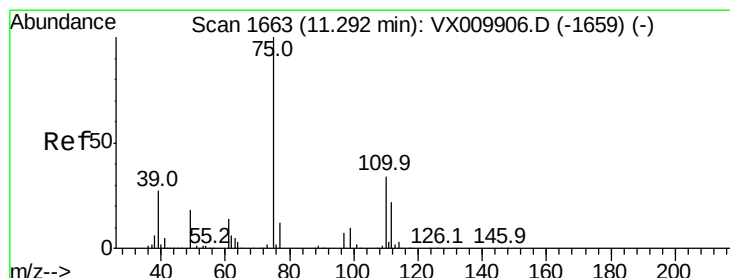
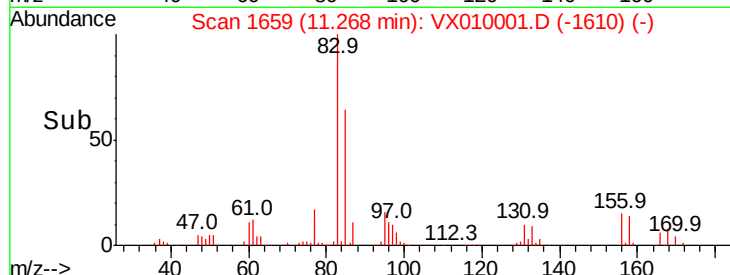
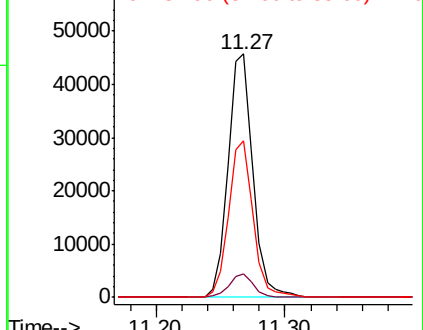
85 63.9 31.9 95.9

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



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



#76

1,2,3-Trichloropropane

Concen: 19.787 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010001.D

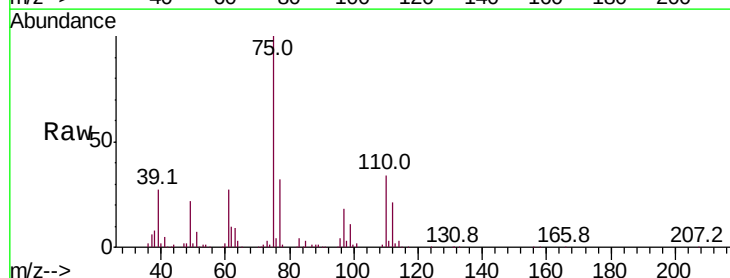
Acq: 31 May 2019 22:37

Tgt Ion: 75 Resp: 54435

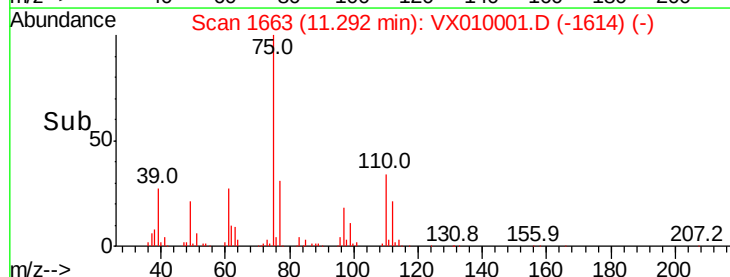
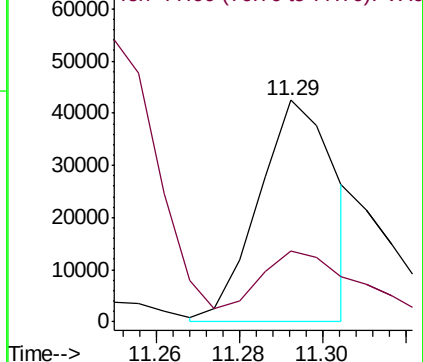
Ion Ratio Lower Upper

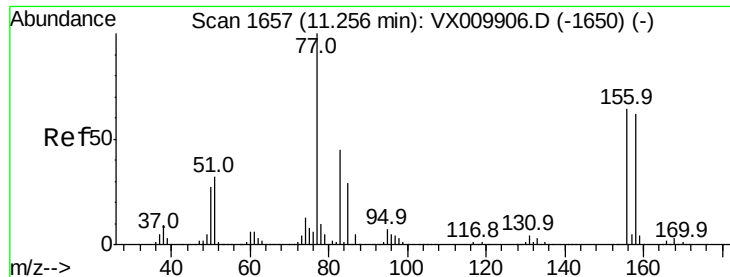
75 100

77 42.7 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.178 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

Tot Ion:156 Resp: 41486

Ion Ratio Lower Upper

156 100

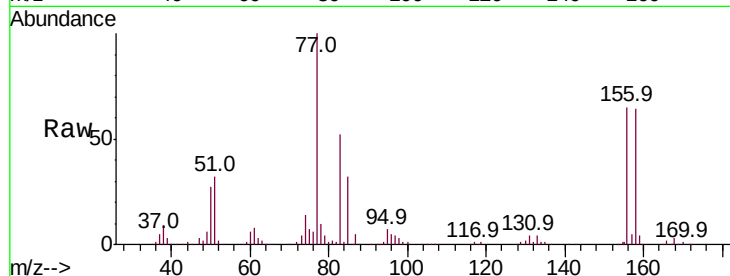
77 169.1 86.8 260.3

158 97.6 49.6 148.8

Manual Integrations
APPROVED

MMDadoda

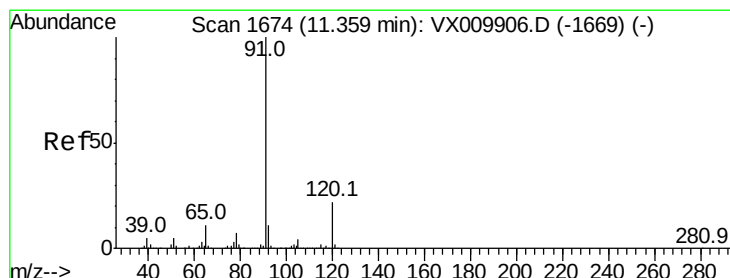
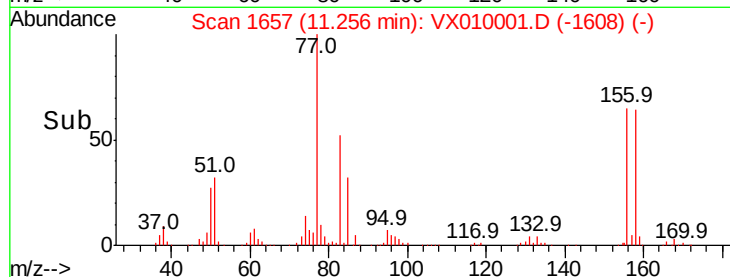
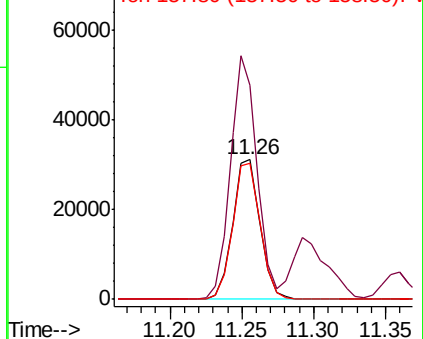
6/3/2019 9:34:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.394 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010001.D

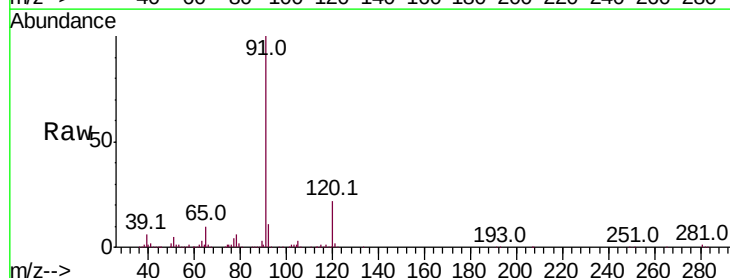
Acq: 31 May 2019 22:37

Tgt Ion: 91 Resp: 189747

Ion Ratio Lower Upper

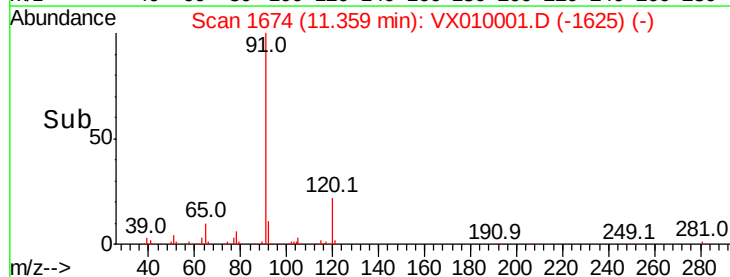
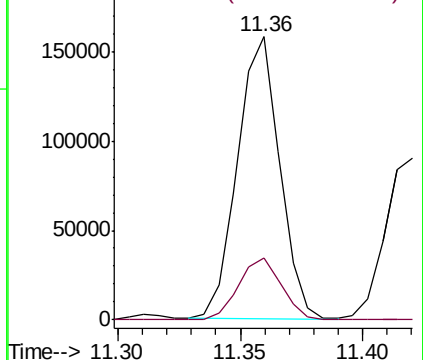
91 100

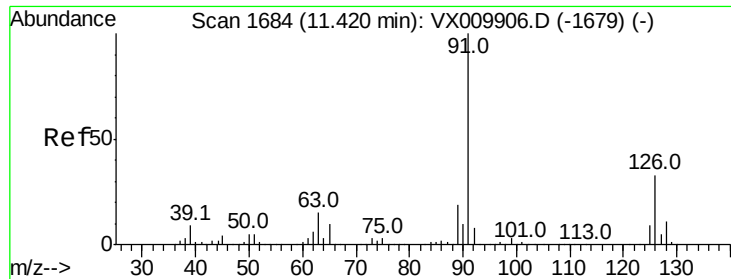
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





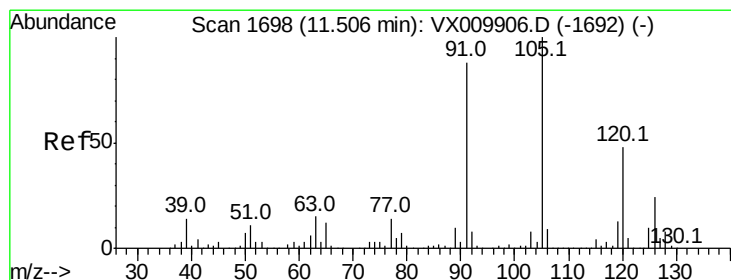
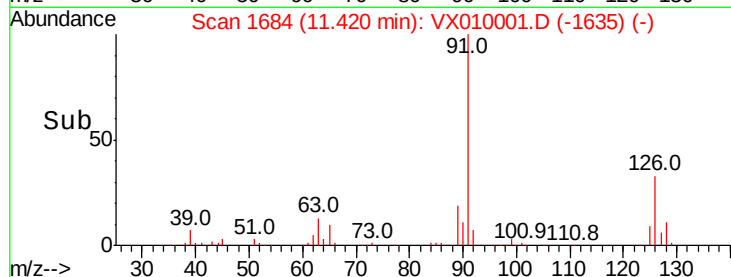
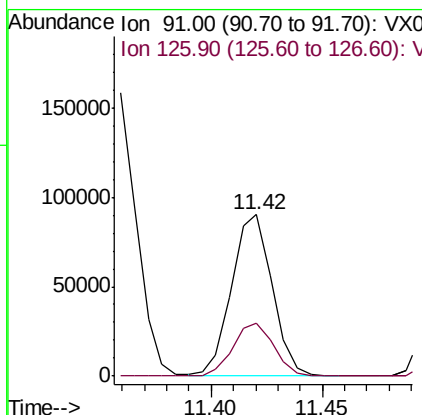
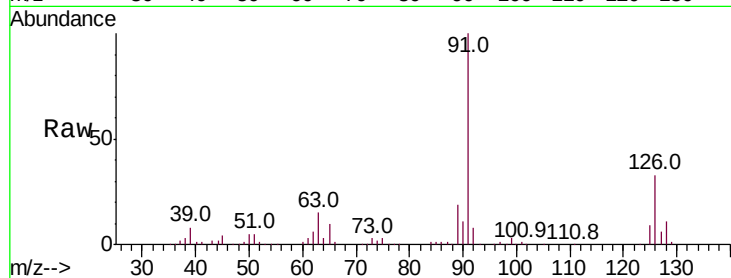
#79
2-Chlorotoluene
Concen: 19.122 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion: 91 Resp: 114305
Ion Ratio Lower Upper
91 100
126 33.2 16.1 48.3

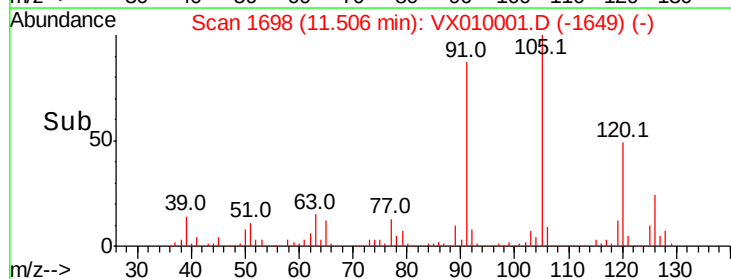
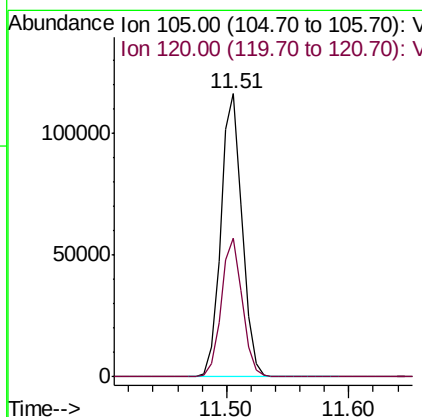
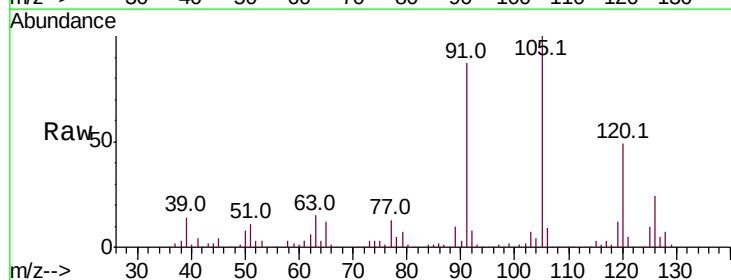
Manual Integrations
APPROVED

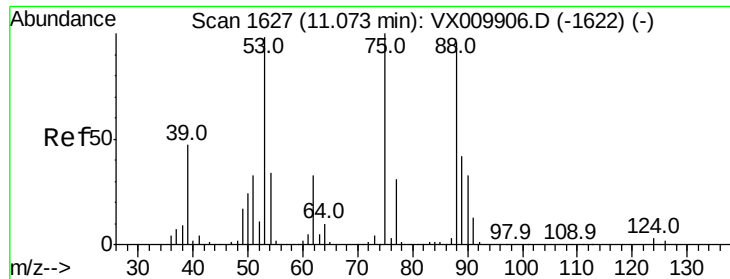
MMDadoda
6/3/2019 9:34:25 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.601 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:105 Resp: 140163
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.3





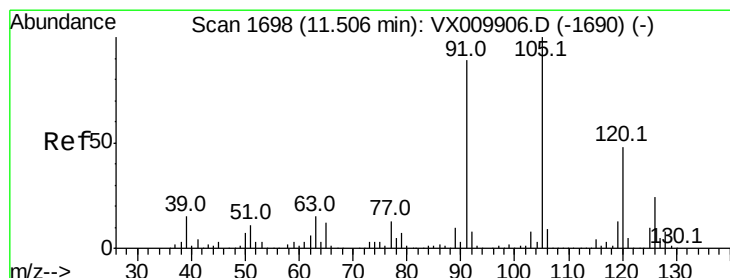
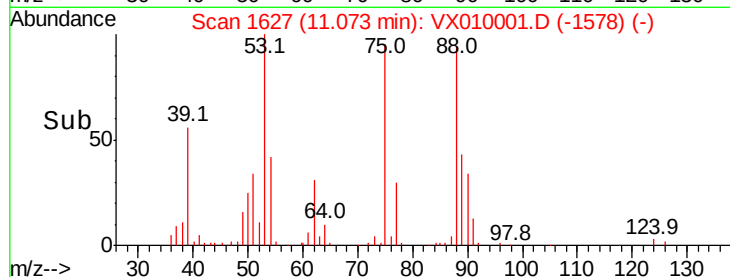
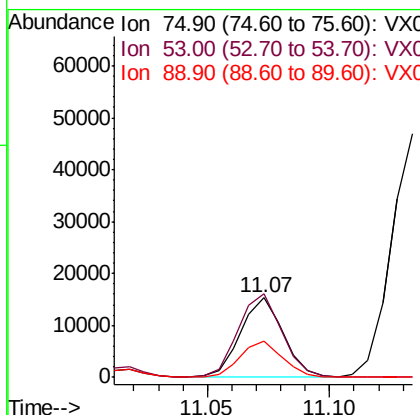
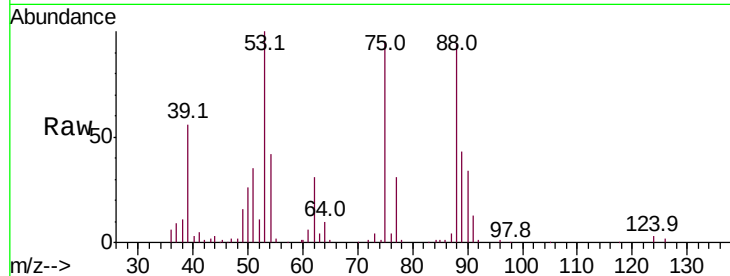
#81
trans-1,4-Dichloro-2-butene
Concen: 16.660 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	79.8	119.6
89	45.6	34.2	51.4

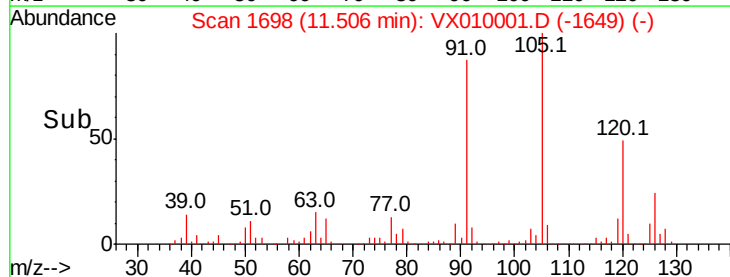
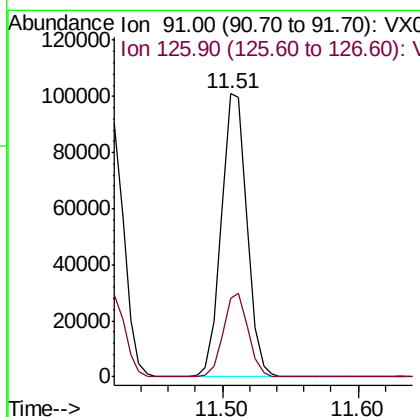
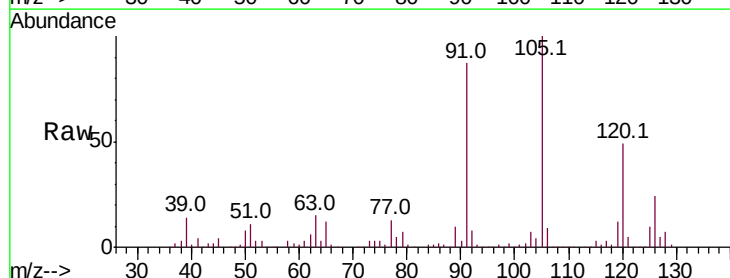
Manual Integrations
APPROVED

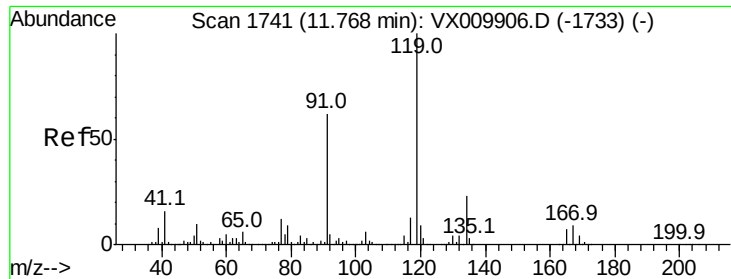
MMDadoda
6/3/2019 9:34:25 AM



#82
4-Chlorotoluene
Concen: 18.833 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6





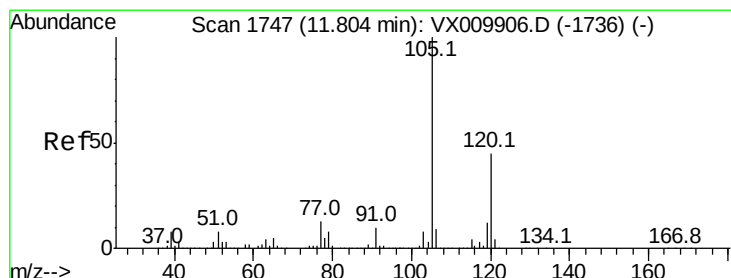
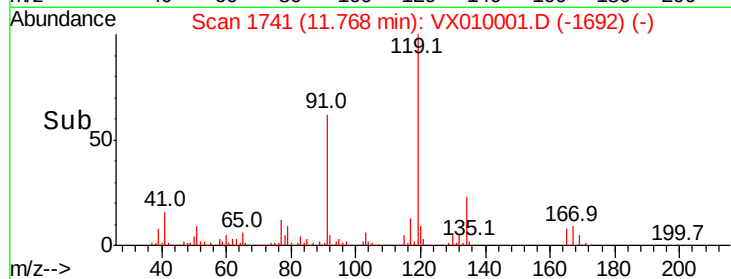
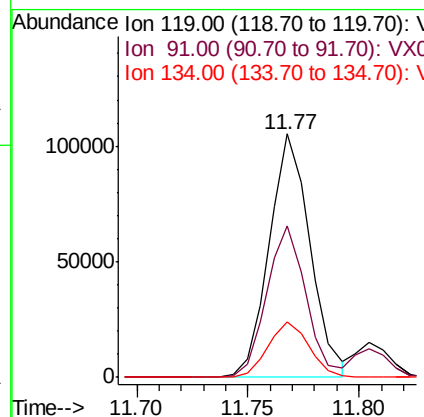
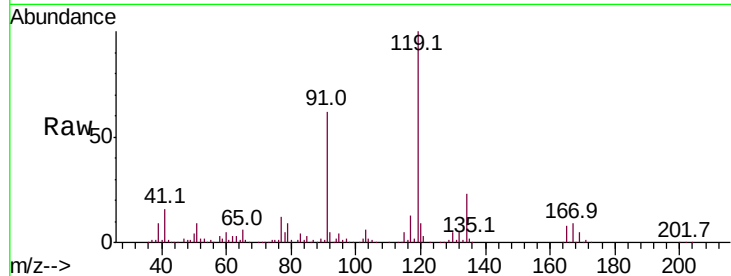
#83
tert-Butylbenzene
Concen: 19.616 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampled :
VX0531WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134203		
91	59.8	30.0	90.0	
134	22.7	11.2	33.5	

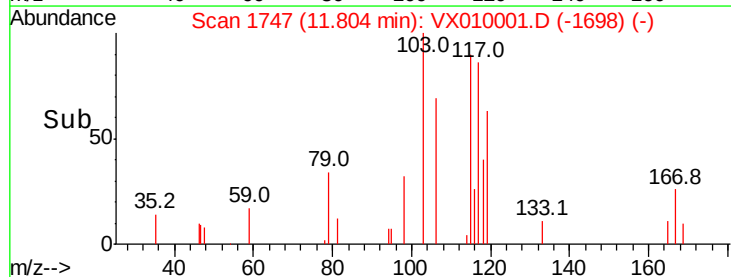
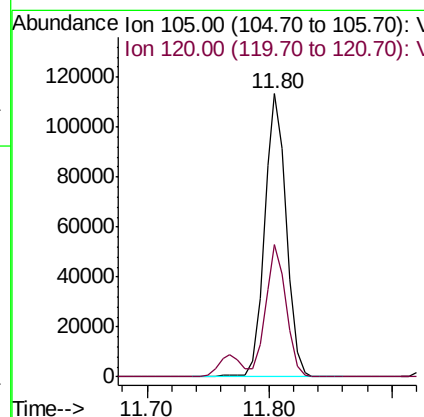
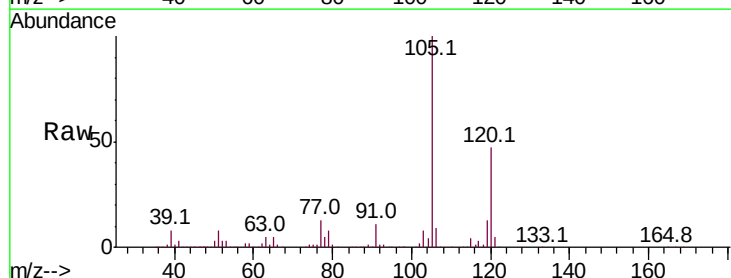
Manual Integrations
APPROVED

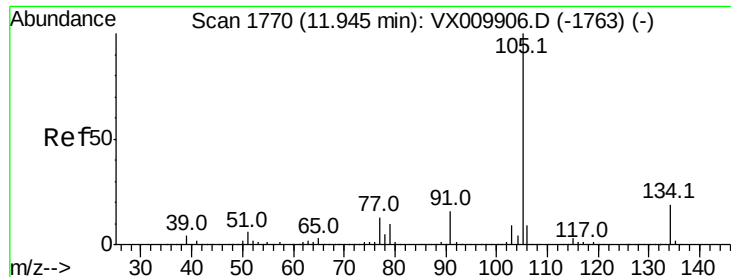
MMDadoda
6/3/2019 9:34:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.251 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139808		
120	44.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 19.790 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampled :

VX0531WBS02

Tot Ion:105 Resp: 161073

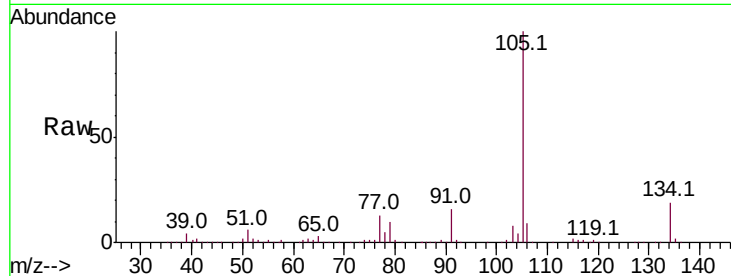
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

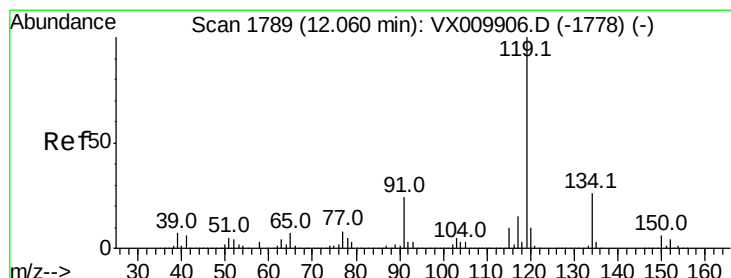
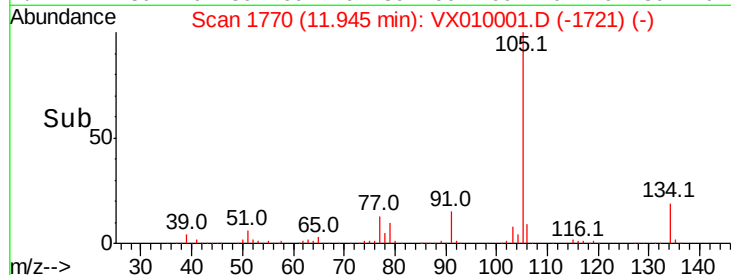
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.779 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

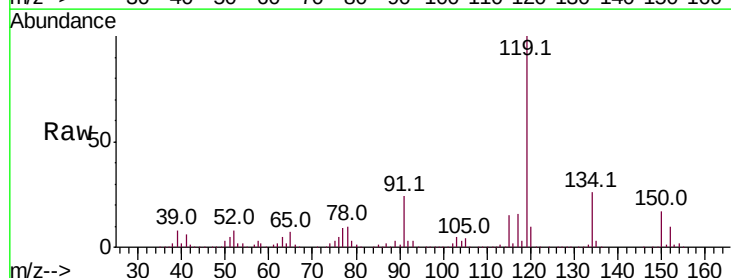
Tgt Ion:119 Resp: 144800

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 24.2 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

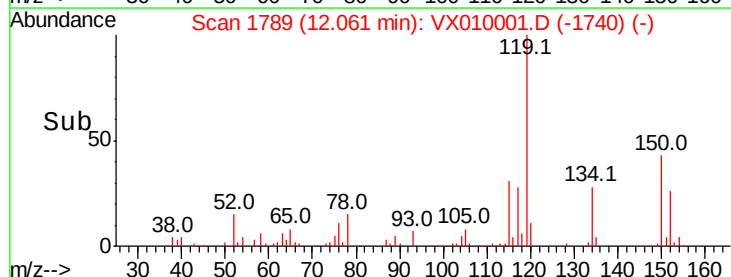
150000

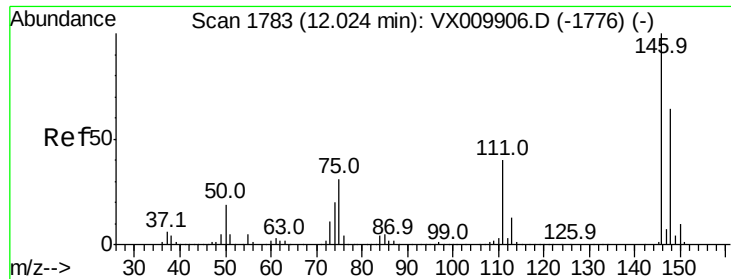
100000

50000

0

Time-->





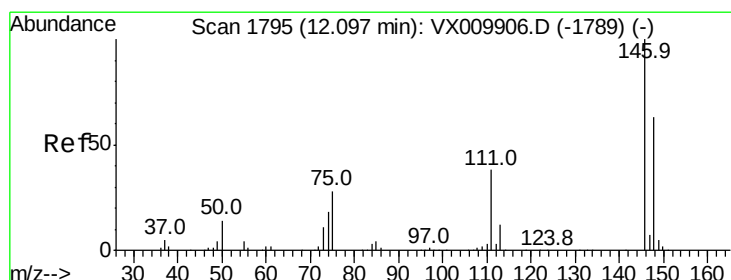
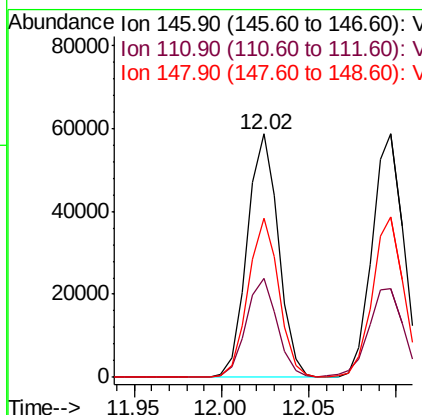
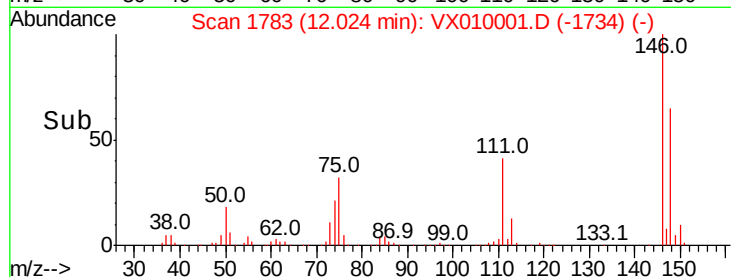
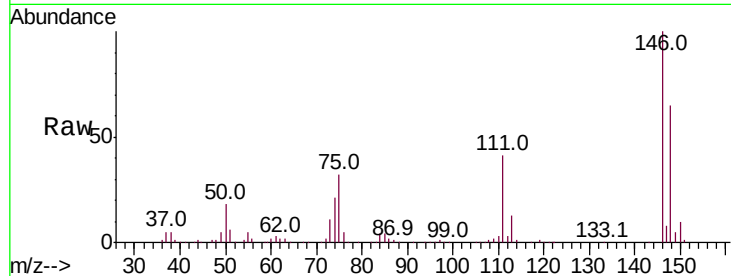
#87
 1,3-Dichlorobenzene
 Concen: 18.899 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	64.0	31.9	95.5

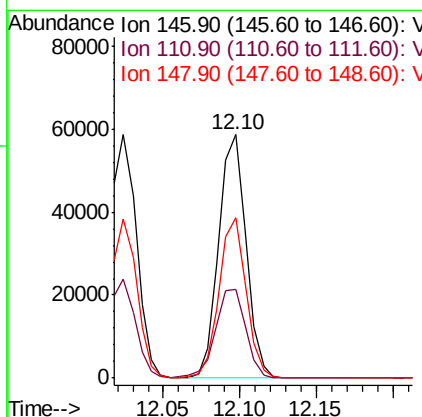
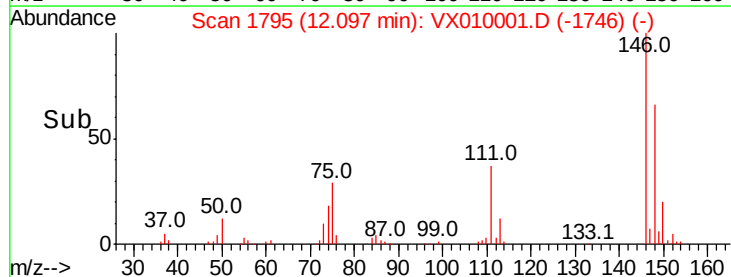
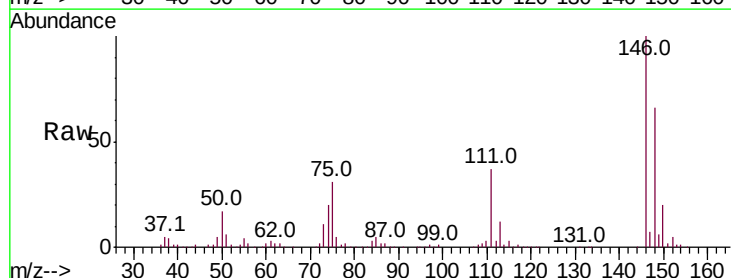
Manual Integrations
 APPROVED

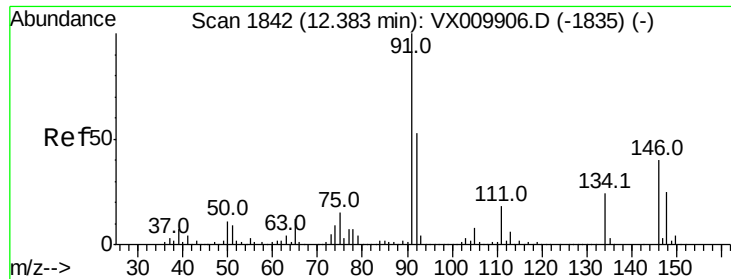
MMDadoda
 6/3/2019 9:34:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.626 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	65.2	32.3	96.9





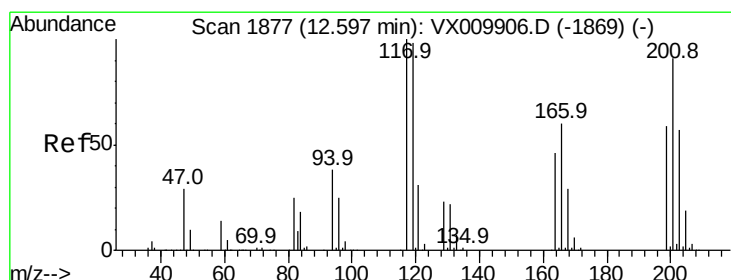
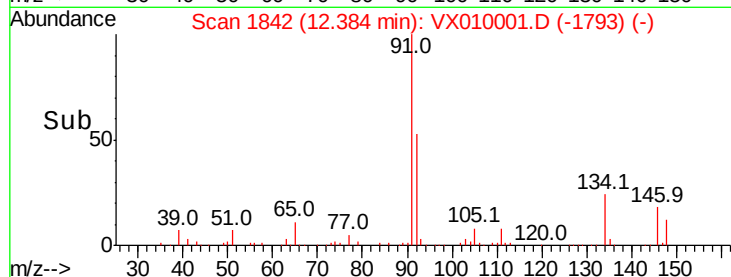
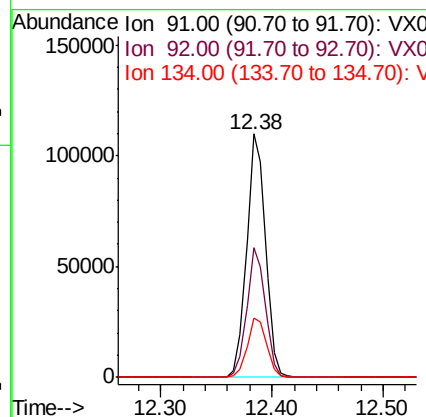
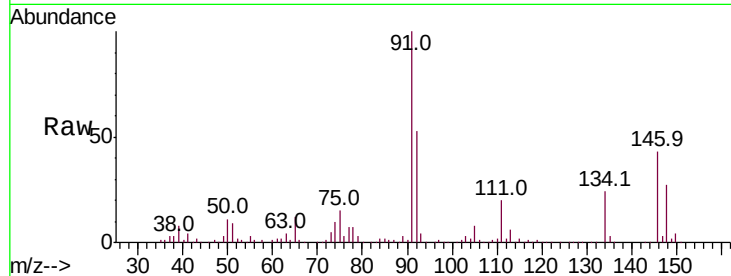
#89
n-Butylbenzene
Concen: 18.712 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	24.9	12.3	36.8

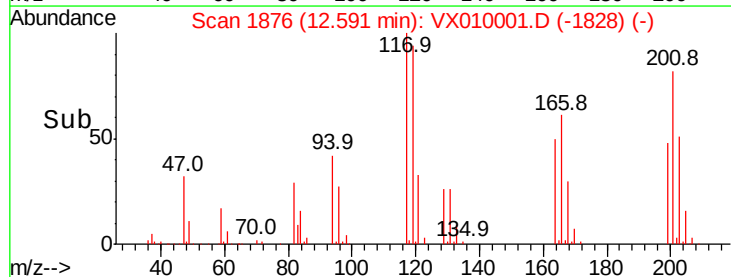
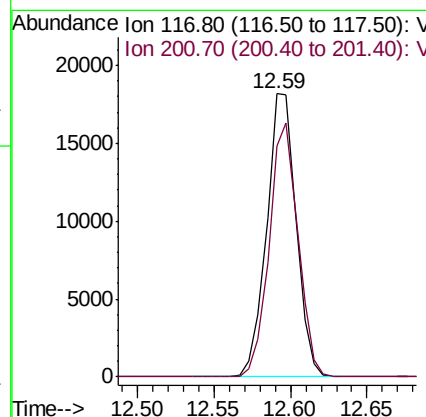
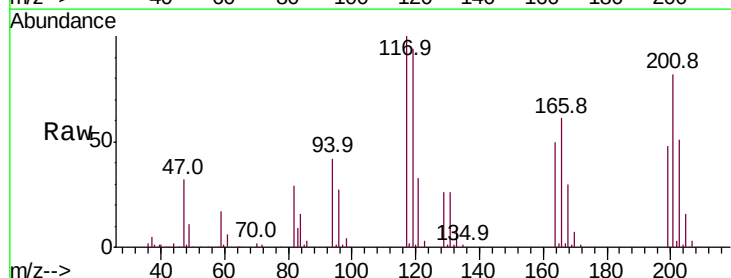
Manual Integrations
APPROVED

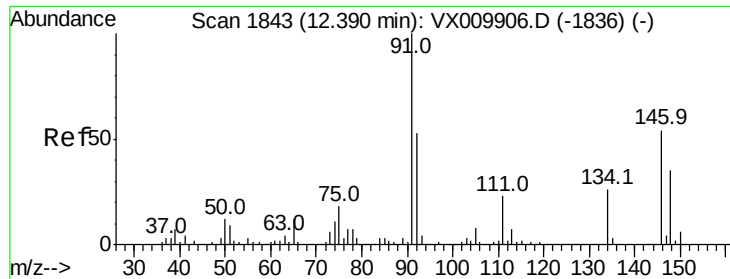
MMDadoda
6/3/2019 9:34:25 AM



#90
Hexachloroethane
Concen: 19.619 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 19.237 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

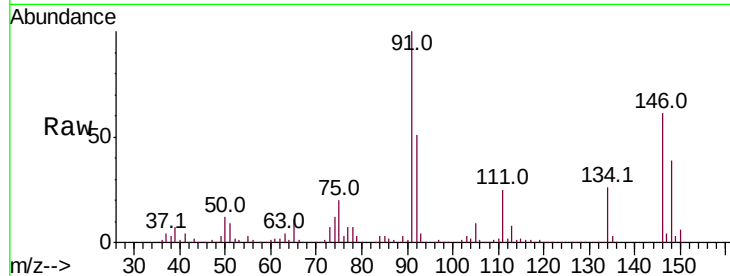
ClientSampled :

VX0531WBS02

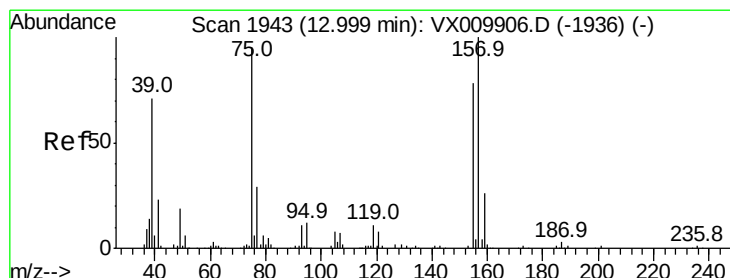
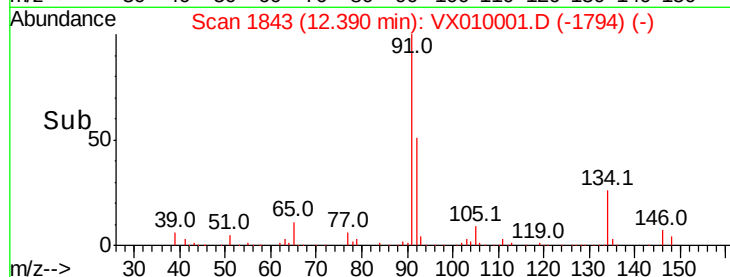
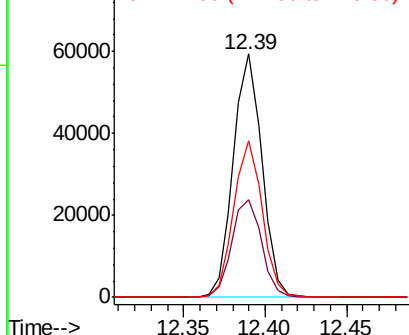
Tot Ion:	146	Resp:	73041
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.1	63.1
148	64.2	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.462 ug/l

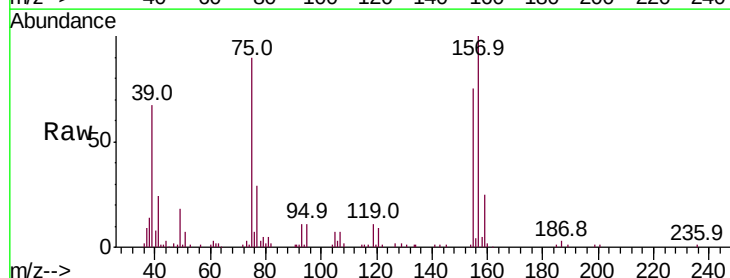
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

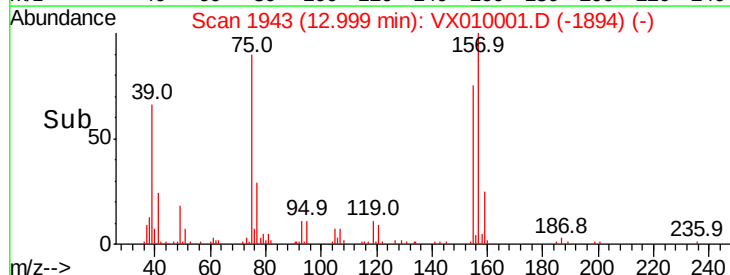
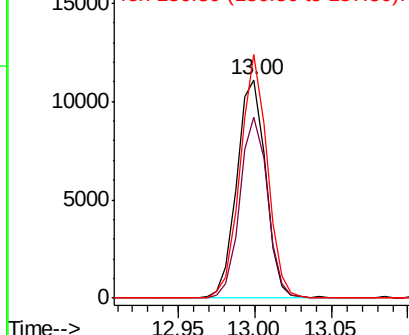
Lab File: VX010001.D

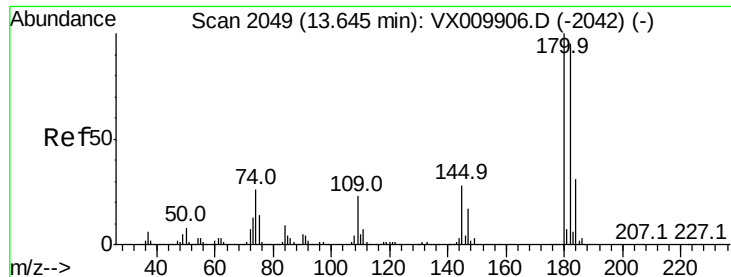
Acq: 31 May 2019 22:37

Tgt Ion:	75	Resp:	14507
Ion Ratio	Lower	Upper	
75	100		
155	79.4	39.3	117.8
157	104.6	50.6	151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





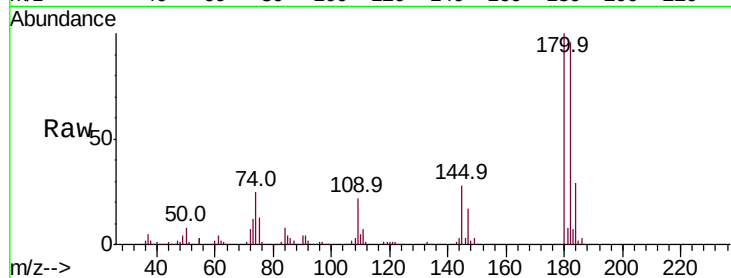
#93
 1,2,4-Trichlorobenzene
 Concen: 19.543 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.4	142.2	
145	28.7	14.5	43.5	

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:25 AM

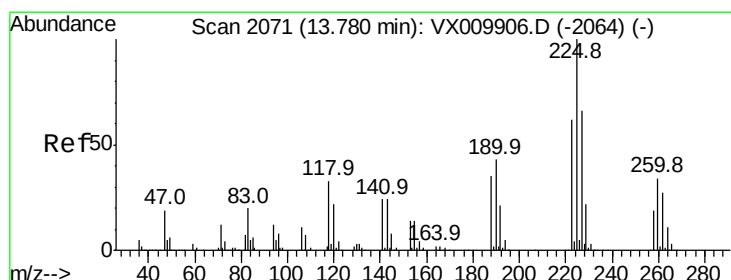
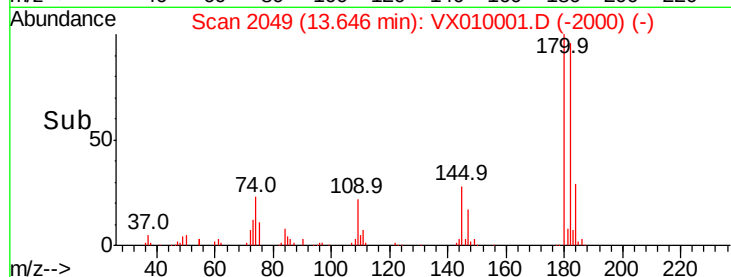
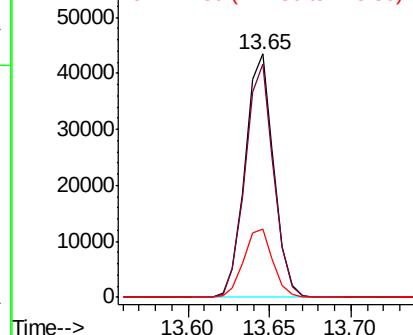


Abundance

Ion 179.80 (179.50 to 180.50): V

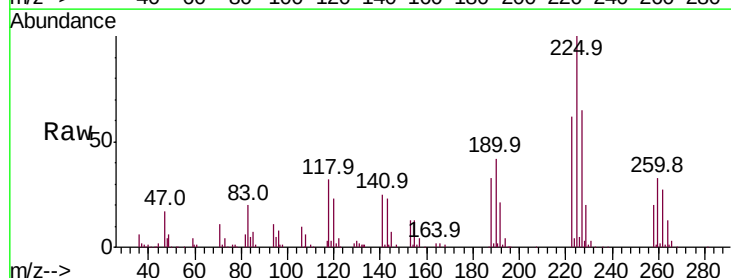
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.160 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	31.3	93.8	
227	65.0	32.3	96.8	

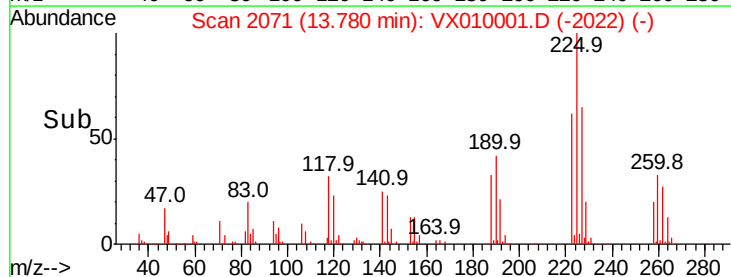
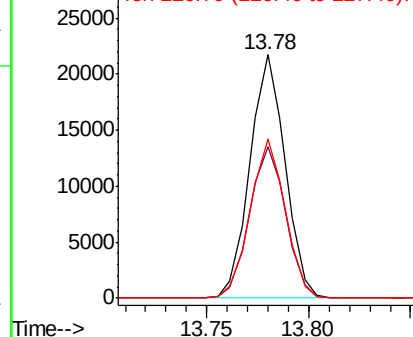


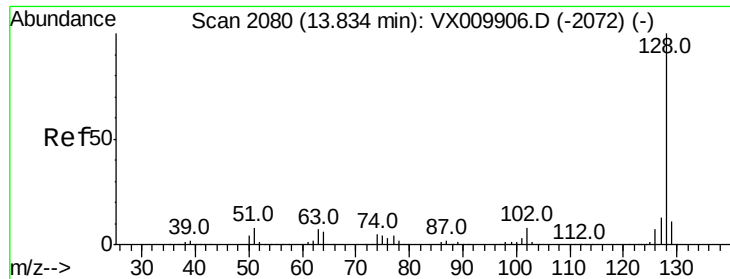
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.043 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

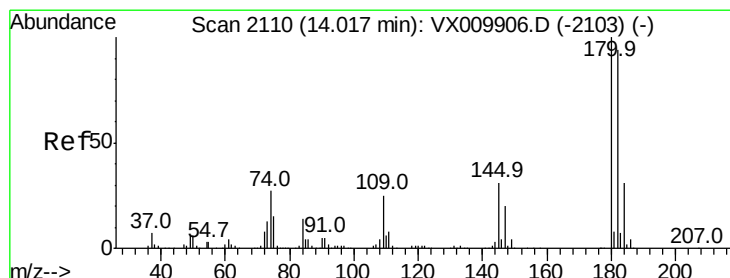
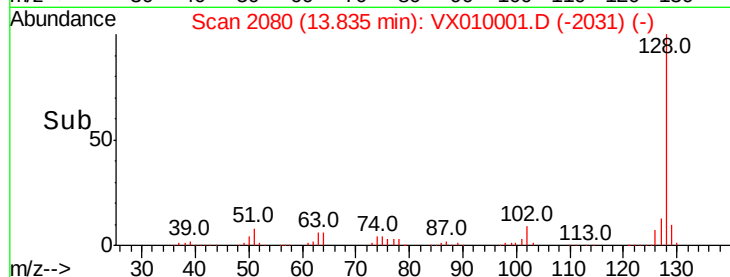
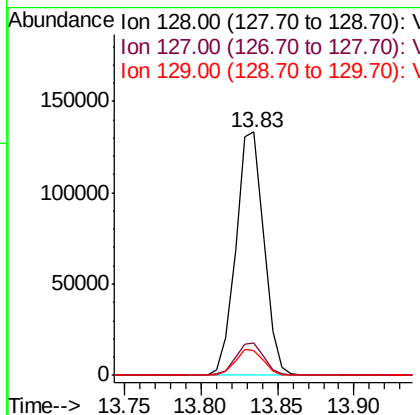
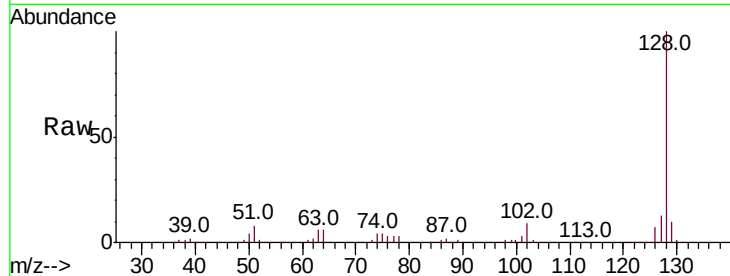
ClientSampleId :

VX0531WBS02

Tot Ion:	128	Resp:	169244
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.423 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion:	180	Resp:	52755
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.3	142.0
145	31.4	15.6	46.7

