

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042419\
 Data File : VX009138.D
 Acq On : 24 Apr 2019 12:27
 Operator : JC/SP
 Sample : VX0424WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:34:21 PM

Quant Time: Apr 25 05:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127337	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	133847	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.49	113	98941	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	390670	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.13	95	134245	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	46389	21.016	ug/l	98
3) Chloromethane	1.32	50	54306	20.040	ug/l	99
4) Vinyl Chloride	1.41	62	54604	20.703	ug/l	99
5) Bromomethane	1.64	94	32195	21.841	ug/l	97
6) Chloroethane	1.72	64	32864	21.190	ug/l	96
7) Trichlorofluoromethane	1.93	101	64926	21.084	ug/l	99
8) Diethyl Ether	2.19	74	30004	21.305	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	40845	20.745	ug/l	99
10) Methyl Iodide	2.51	142	38260	20.618	ug/l	100
11) Tert butyl alcohol	3.05	59	64920	108.292	ug/l	100
12) 1,1-Dichloroethene	2.37	96	42260	20.563	ug/l	98
13) Acrolein	2.29	56	37676	72.736	ug/l	98
14) Allyl chloride	2.73	41	97820	21.817	ug/l	99
15) Acrylonitrile	3.14	53	165297	108.619	ug/l	100
16) Acetone	2.45	43	152676	109.012	ug/l	99
17) Carbon Disulfide	2.57	76	121121	20.806	ug/l	99
18) Methyl Acetate	2.78	43	77203	22.087	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	158011	21.579	ug/l	99
20) Methylene Chloride	2.85	84	48818	20.383	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	44884	20.476	ug/l	90
22) Diisopropyl ether	3.85	45	192690	22.117	ug/l	98
23) Vinyl Acetate	3.81	43	858446	112.089	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92736	21.204	ug/l	99
25) 2-Butanone	4.67	43	251393	112.296	ug/l	99
26) 2,2-Dichloropropane	4.59	77	68806	20.988	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	51872	20.843	ug/l	97
28) Bromochloromethane	5.01	49	45015	23.768	ug/l	99
29) Tetrahydrofuran	5.13	42	163546	109.148	ug/l	99
30) Chloroform	5.21	83	85452	21.834	ug/l	100
31) Cyclohexane	5.58	56	91173	21.195	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	69199	21.334	ug/l	99
36) 1,1-Dichloropropene	5.80	75	66040	20.180	ug/l	99
37) Ethyl Acetate	4.84	43	92785	22.034	ug/l	99
38) Carbon Tetrachloride	5.78	117	58213	20.983	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042419\
 Data File : VX009138.D
 Acq On : 24 Apr 2019 12:27
 Operator : JC/SP
 Sample : VX0424WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0424WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:34:21 PM

Quant Time: Apr 25 05:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81513	20.458	ug/l	99
40) Benzene	6.14	78	201782	20.901	ug/l	100
41) Methacrylonitrile	5.04	41	51940	21.491	ug/l	99
42) 1,2-Dichloroethane	6.19	62	72336	21.152	ug/l	100
43) Isopropyl Acetate	6.45	43	144936	21.358	ug/l	99
44) Trichloroethene	7.21	130	47730	20.178	ug/l	98
45) 1,2-Dichloropropane	7.51	63	57363	21.418	ug/l	99
46) Dibromomethane	7.66	93	32380	20.774	ug/l	99
47) Bromodichloromethane	7.90	83	63892	20.899	ug/l	98
48) Methyl methacrylate	7.77	41	71660	21.372	ug/l	99
49) 1,4-Dioxane	7.74	88	26182	417.191	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	471688	109.107	ug/l	99
52) Toluene	8.78	92	118296	20.446	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	72167	20.511	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	81501	20.688	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48432	21.121	ug/l	99
56) Ethyl methacrylate	9.18	69	85025	20.679	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86509	21.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	215460	97.309	ug/l	99
59) 2-Hexanone	9.49	43	362051	108.624	ug/l	98
60) Dibromochloromethane	9.58	129	46997	21.384	ug/l	98
61) 1,2-Dibromoethane	9.67	107	49923	21.094	ug/l	100
64) Tetrachloroethene	9.34	164	42470	20.481	ug/l	97
65) Chlorobenzene	10.13	112	118284	20.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	43242	21.305	ug/l	100
67) Ethyl Benzene	10.25	91	220028	20.891	ug/l	99
68) m/p-Xylenes	10.36	106	159021	41.545	ug/l	99
69) o-Xylene	10.69	106	77928	20.924	ug/l	99
70) Styrene	10.71	104	132804	20.577	ug/l	99
71) Bromoform	10.85	173	33782	20.892	ug/l #	100
73) Isopropylbenzene	11.02	105	207724	21.521	ug/l	100
74) N-amyl acetate	10.90	43	119441	21.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	76995	21.832	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	67115m	21.585	ug/l	
77) Bromobenzene	11.26	156	50383	20.689	ug/l	98
78) n-propylbenzene	11.36	91	236233	21.324	ug/l	100
79) 2-Chlorotoluene	11.42	91	140569	21.056	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	173160	21.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24671	20.370	ug/l	94
82) 4-Chlorotoluene	11.51	91	160597	20.714	ug/l	100
83) tert-Butylbenzene	11.77	119	165540	21.288	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	174694	21.189	ug/l	100
85) sec-Butylbenzene	11.94	105	198097	21.359	ug/l	100
86) p-Isopropyltoluene	12.06	119	178937	20.985	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	87927	20.629	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	86808	20.091	ug/l	99
89) n-Butylbenzene	12.38	91	164646	20.733	ug/l	99
90) Hexachloroethane	12.60	117	29984	21.318	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	87010	20.673	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16719	20.822	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042419\
Data File : VX009138.D
Acq On : 24 Apr 2019 12:27
Operator : JC/SP
Sample : VX0424WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM

Quant Time: Apr 25 05:47:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	60768	20.001	ug/l	100
94) Hexachlorobutadiene	13.78	225	30802	20.327	ug/l	99
95) Naphthalene	13.83	128	200460	20.594	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	60826	20.291	ug/l	99

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

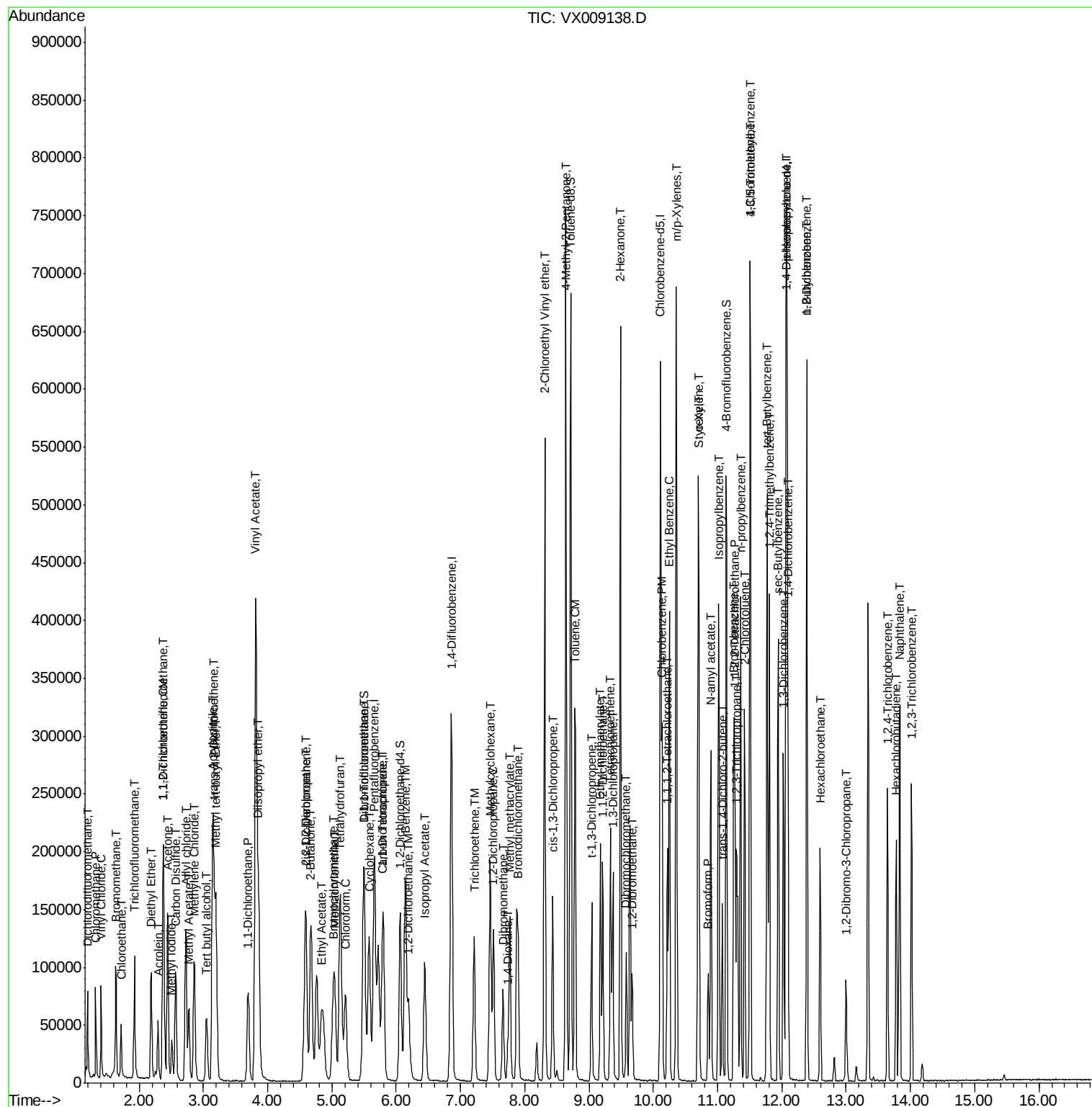
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042419\
Data File : VX009138.D
Acq On : 24 Apr 2019 12:27
Operator : JC/SP
Sample : VX0424WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

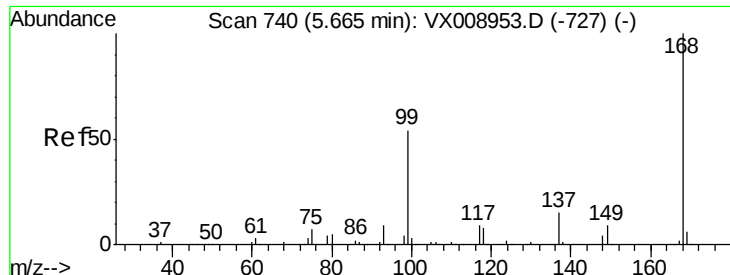
Instrument :
MSVOA_X
Client Sample Id :
VX0424WBSD01

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM

Quant Time: Apr 25 05:47:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





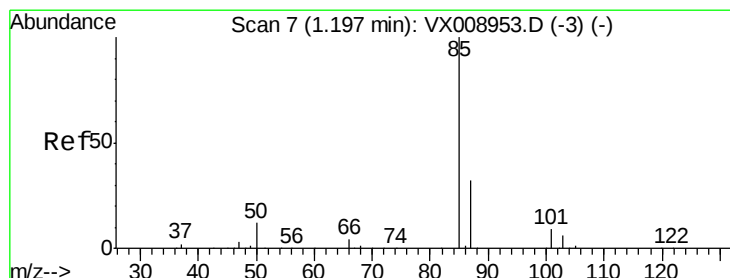
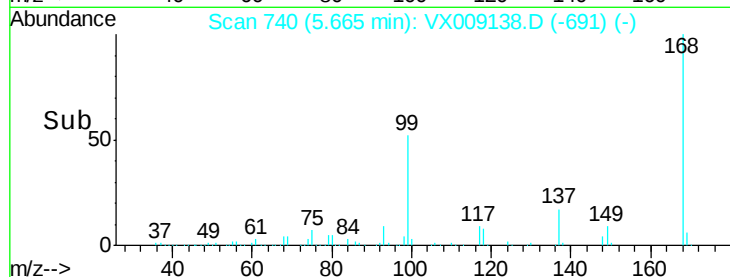
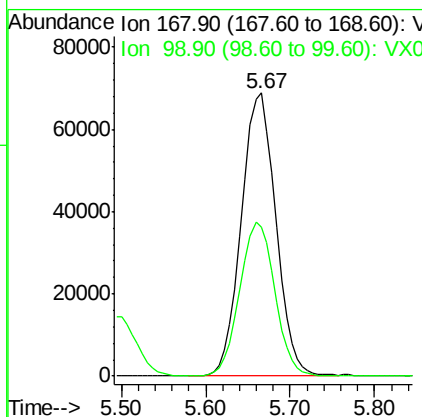
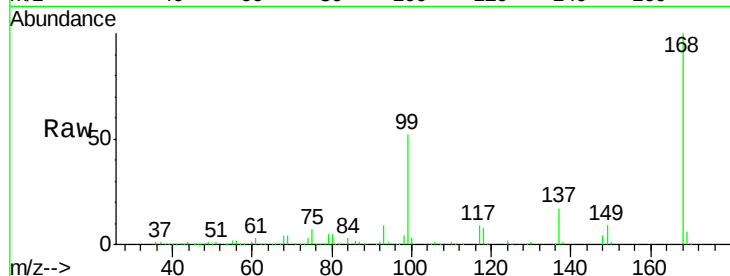
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	191639		
99	52.4	43.0	64.6	

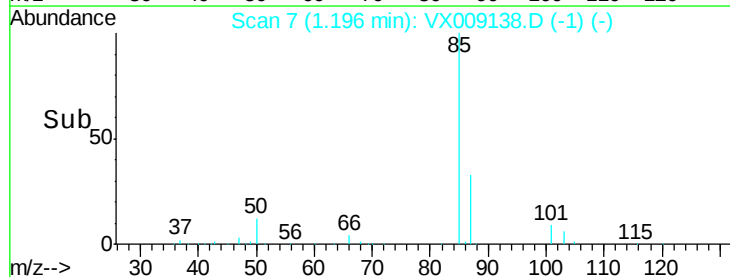
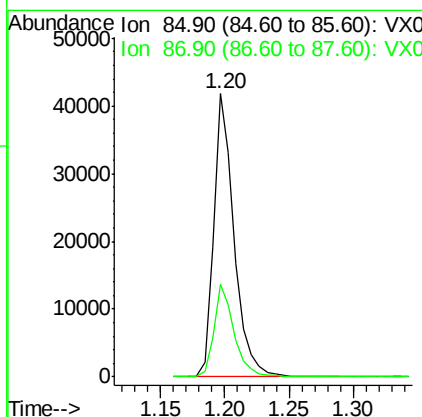
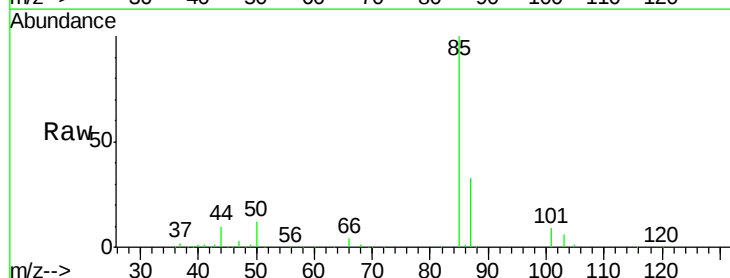
Manual Integrations
APPROVED

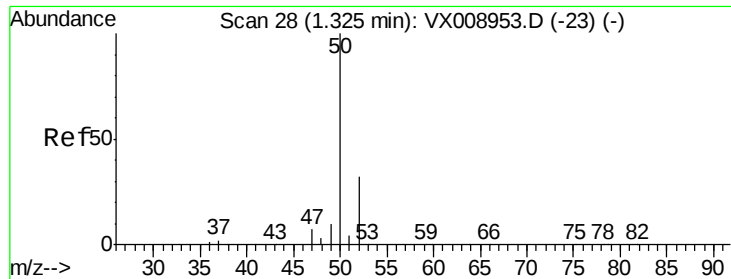
MMDadoda
4/25/2019 12:34:21 PM



#2
Dichlorodifluoromethane
Concen: 21.016 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	46389		
87	32.8	16.0	47.9	





#3

Chloromethane

Concen: 20.040 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 50 Resp: 54306

Ion Ratio Lower Upper

50 100

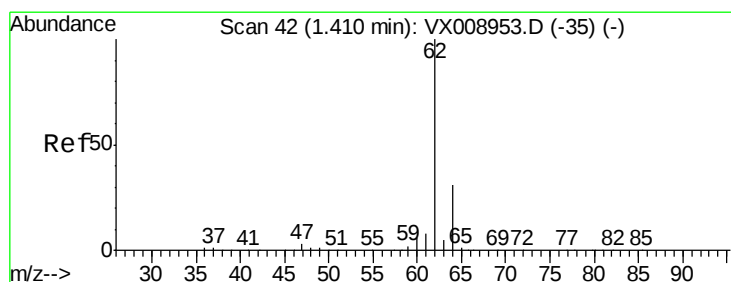
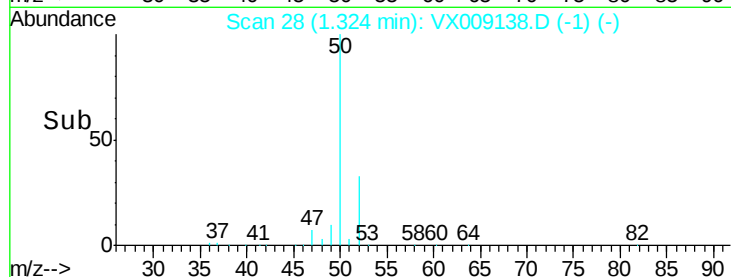
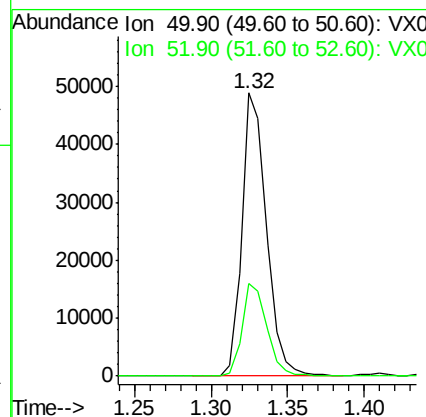
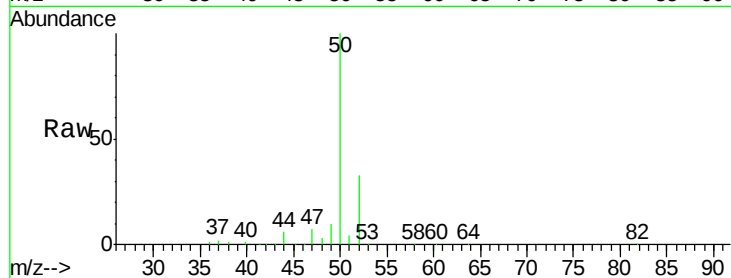
52 32.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#4

Vinyl Chloride

Concen: 20.703 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009138.D

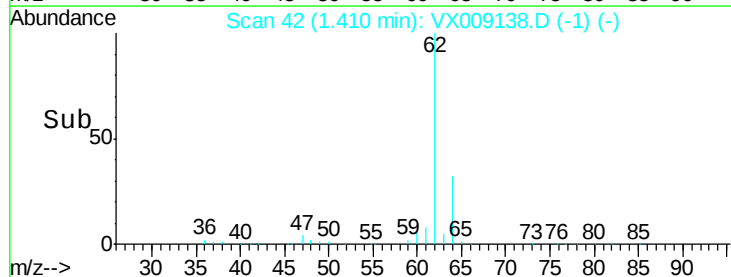
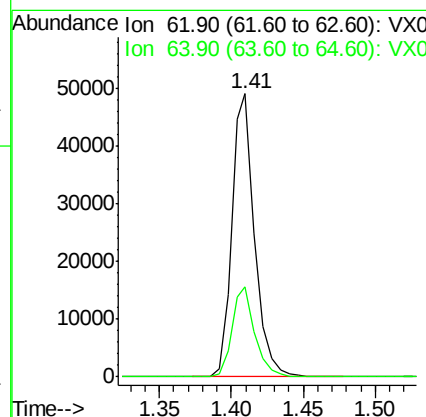
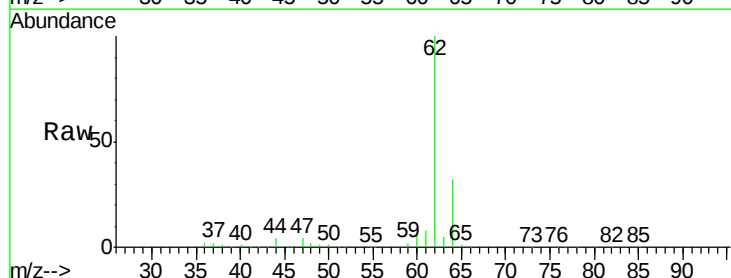
Acq: 24 Apr 2019 12:27

Tgt Ion: 62 Resp: 54604

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 21.841 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0424WBSD01

Tot Ion: 94 Resp: 32195

Ion Ratio Lower Upper

94 100

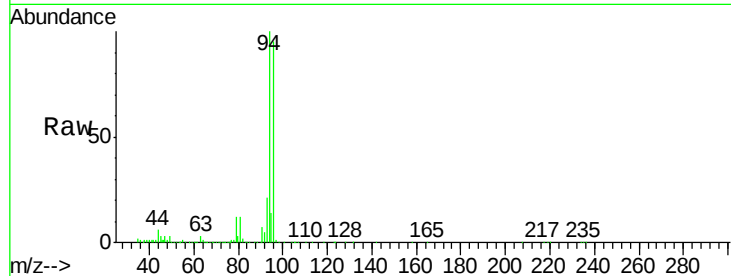
96 95.2 73.9 110.9

Manual Integrations

APPROVED

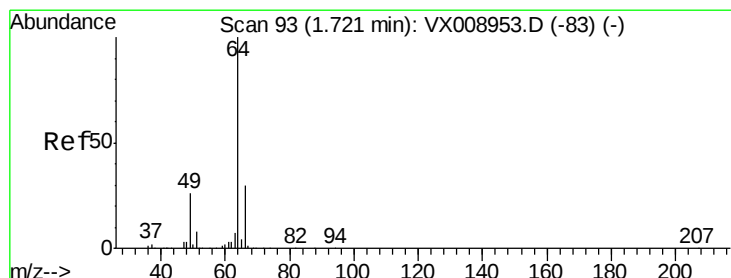
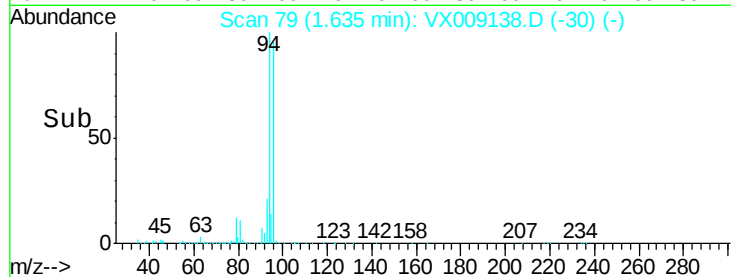
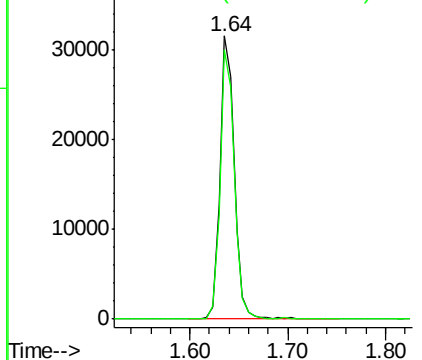
MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.190 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009138.D

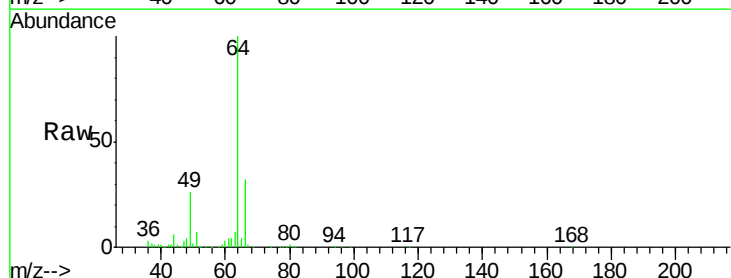
Acq: 24 Apr 2019 12:27

Tgt Ion: 64 Resp: 32864

Ion Ratio Lower Upper

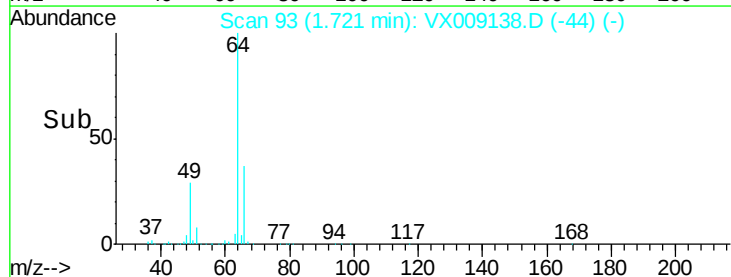
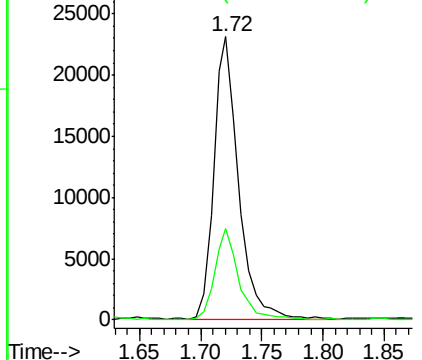
64 100

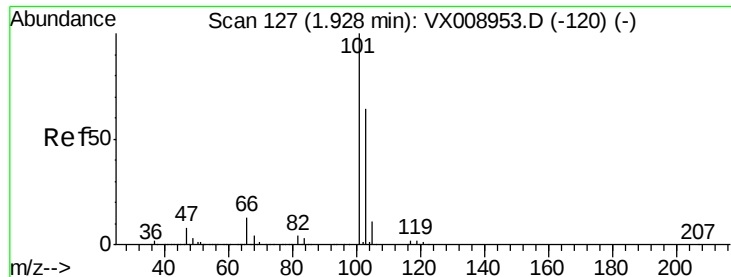
66 32.4 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

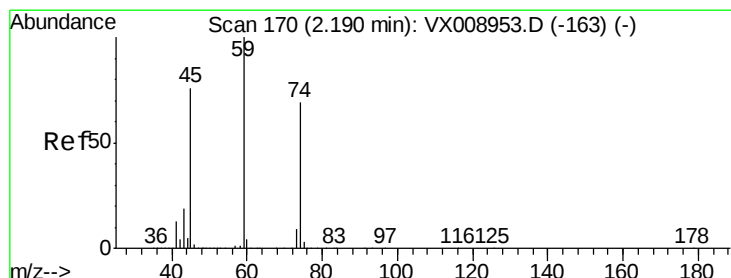
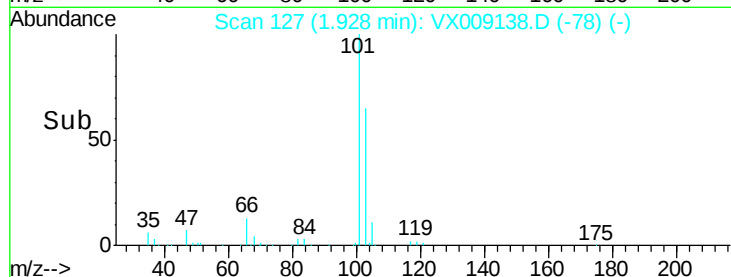
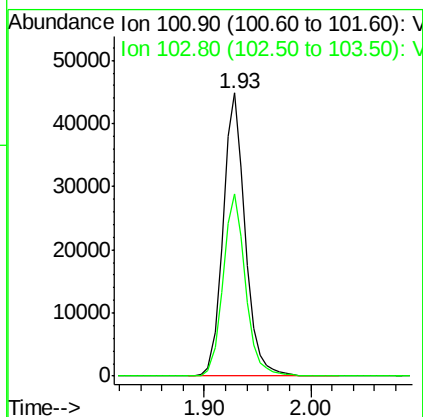
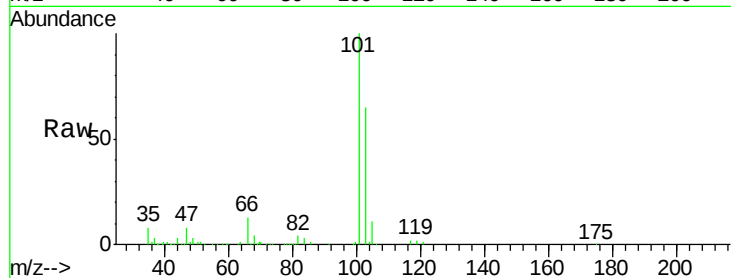
Trichlorofluoromethane
Concen: 21.084 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

Manual Integrations
APPROVED

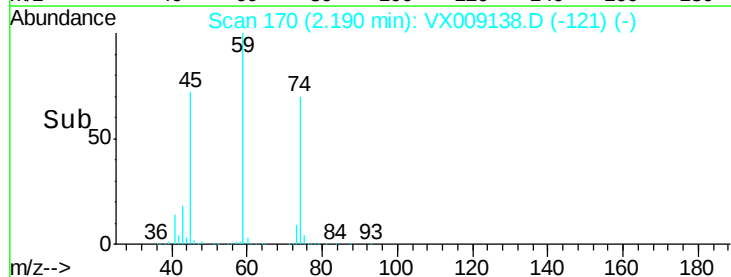
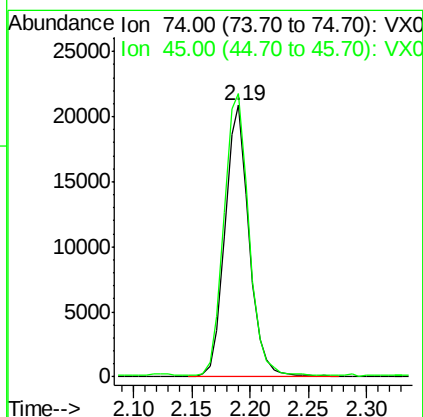
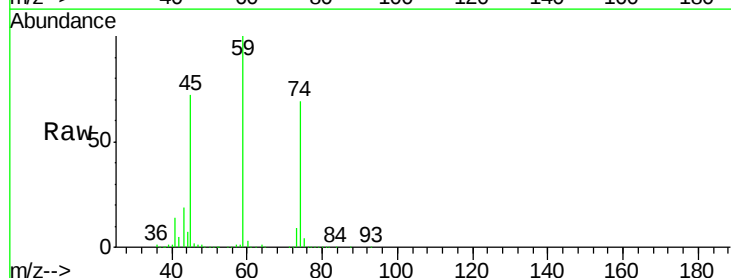
MMDadoda
4/25/2019 12:34:21 PM

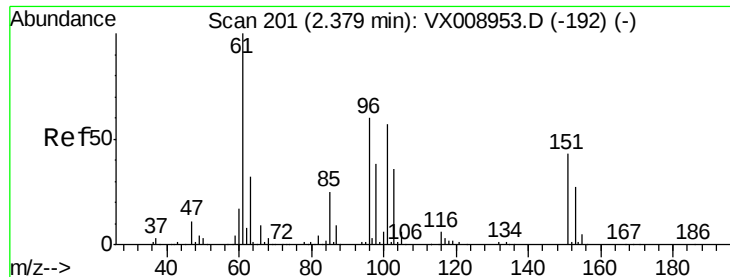


#8

Diethyl Ether
Concen: 21.305 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.745 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

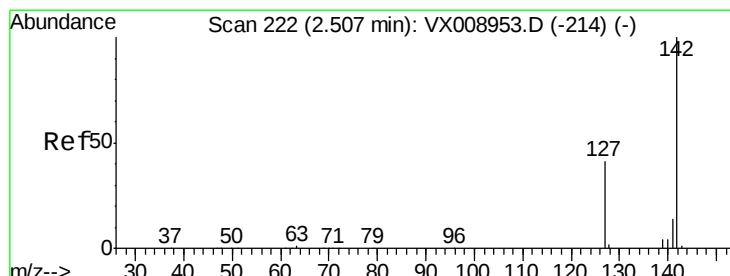
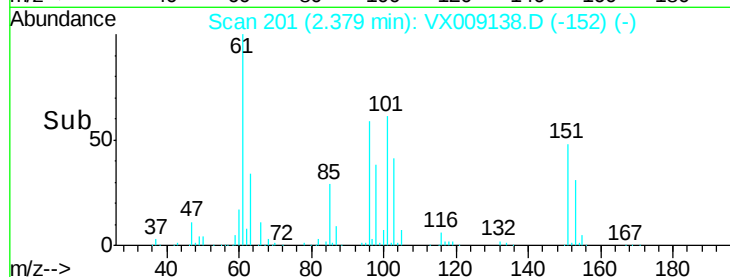
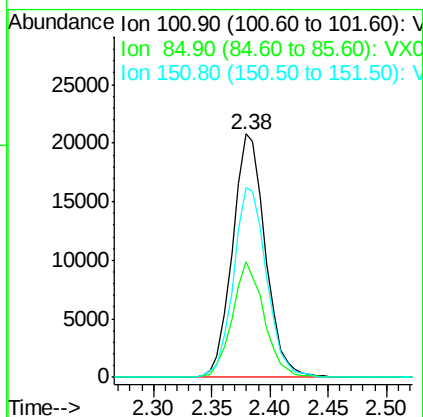
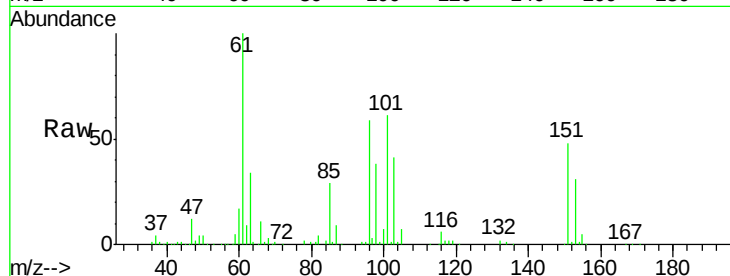
ClientSampleId :

VX0424WBSD01

Tot Ion:	101	Resp:	40845
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.7	53.5
151	78.5	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#10

Methyl Iodide

Concen: 20.618 ug/l

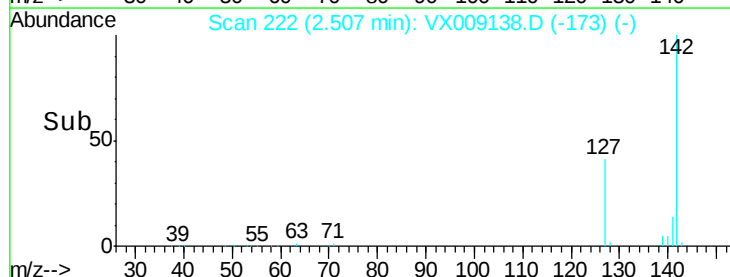
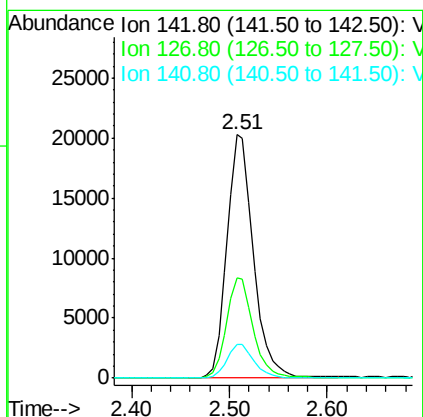
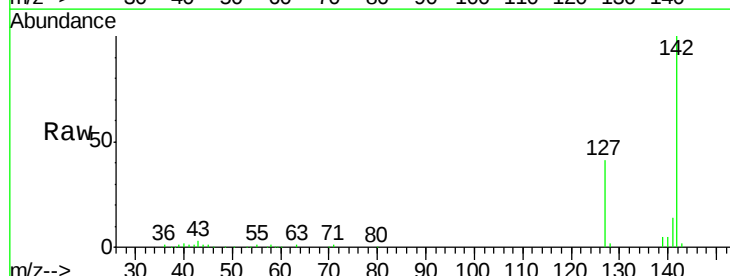
RT: 2.51 min Scan# 222

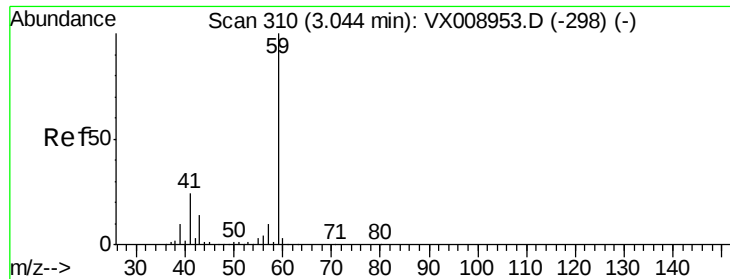
Delta R.T. 0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion:	142	Resp:	38260
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	14.0	11.4	17.2





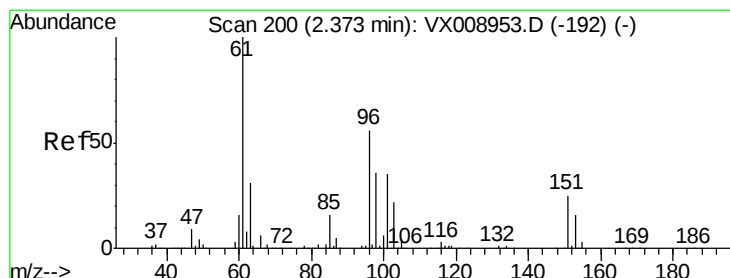
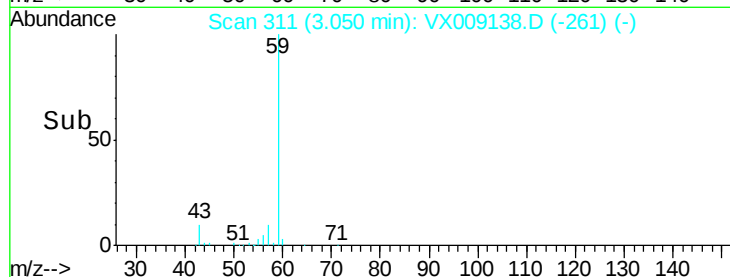
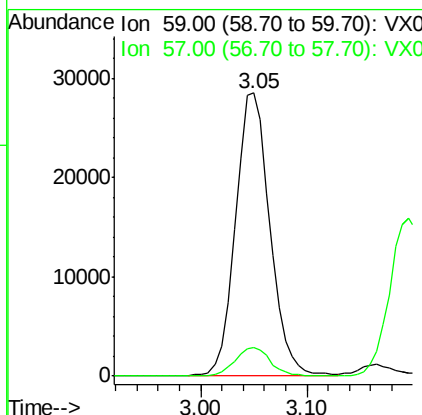
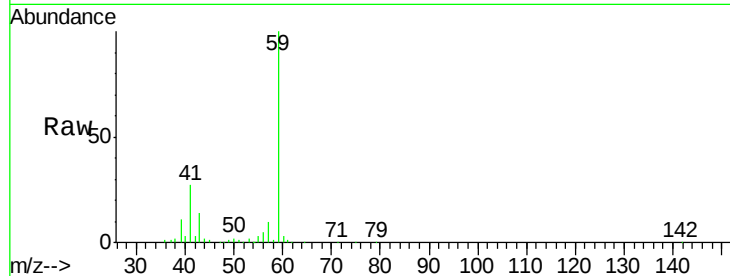
#11
Tert butyl alcohol
Concen: 108.292 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion: 59 Resp: 64920
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

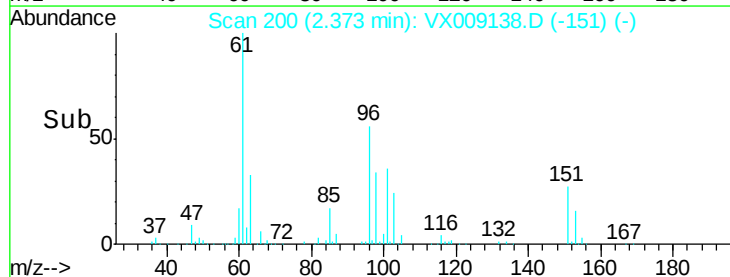
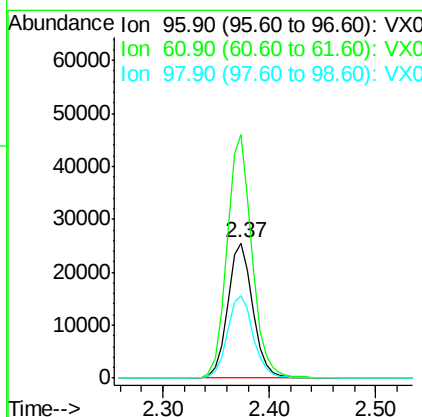
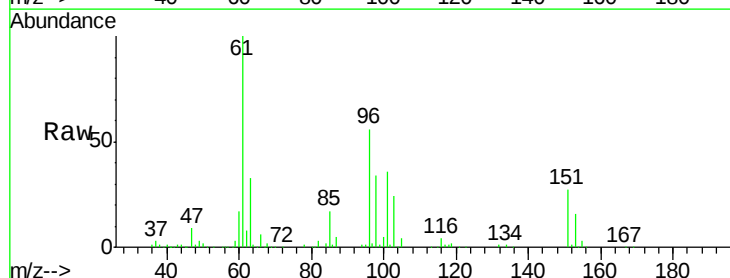
Manual Integrations
APPROVED

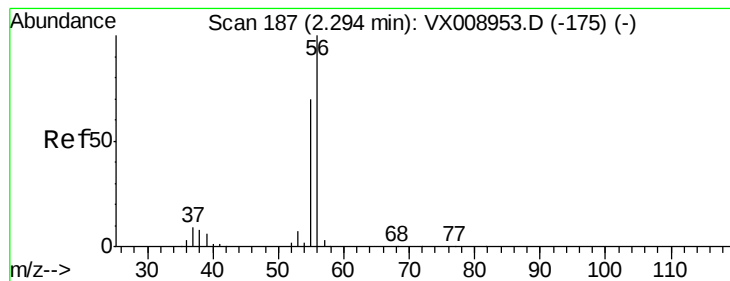
MMDadoda
4/25/2019 12:34:21 PM



#12
1,1-Dichloroethene
Concen: 20.563 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion: 96 Resp: 42260
Ion Ratio Lower Upper
96 100
61 180.2 142.2 213.2
98 61.2 50.9 76.3





#13

Acrolein

Concen: 72.736 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 56 Resp: 37676

Ion Ratio Lower Upper

56 100

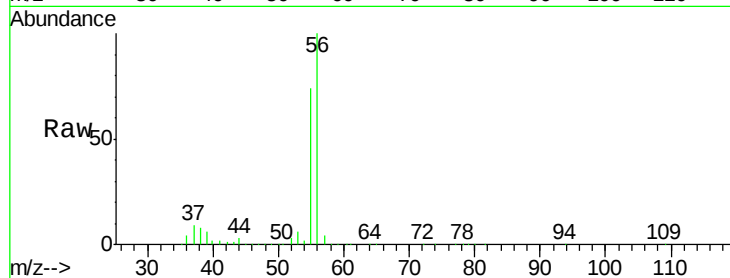
55 72.2 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

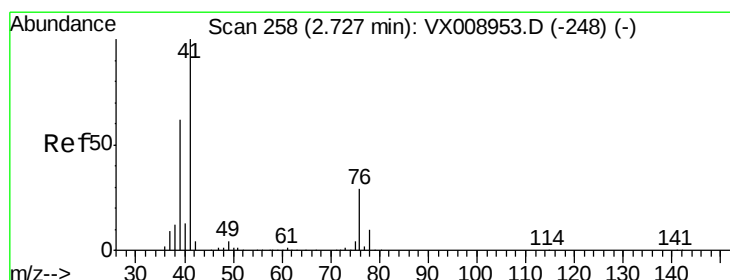
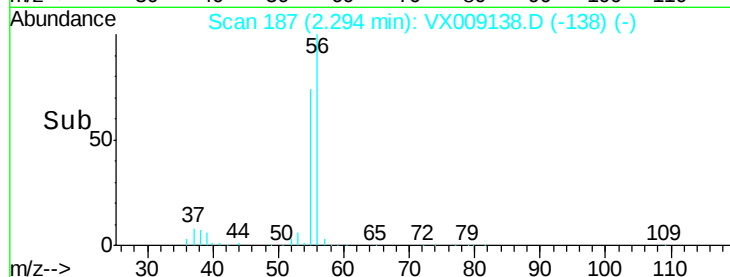
5000

0

Time-->

2.20 2.25 2.30 2.35 2.40

2.29



#14

Allyl chloride

Concen: 21.817 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

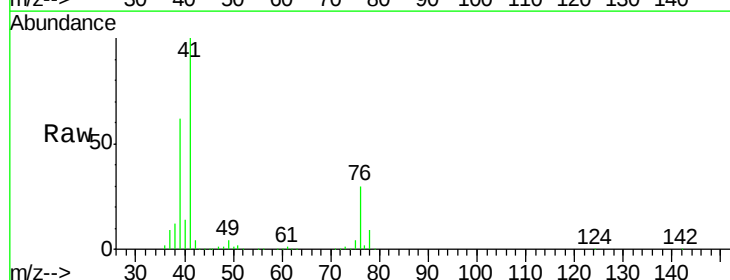
Tgt Ion: 41 Resp: 97820

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

76 27.3 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

40000

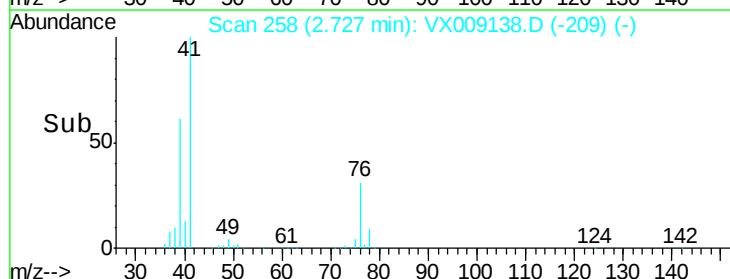
20000

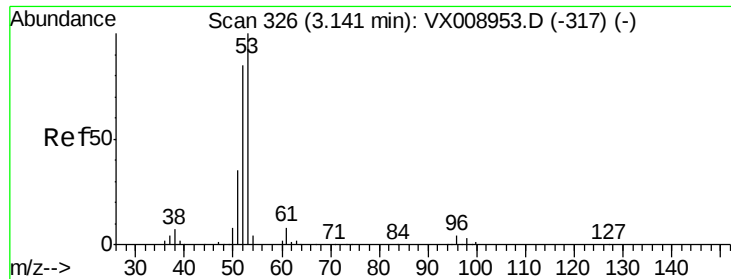
0

Time-->

2.60 2.70 2.80

2.73





#15

Acrylonitrile

Concen: 108.619 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

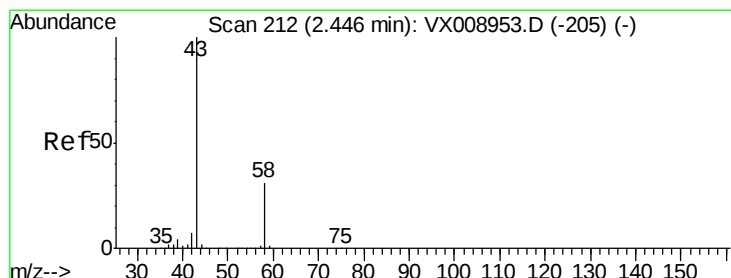
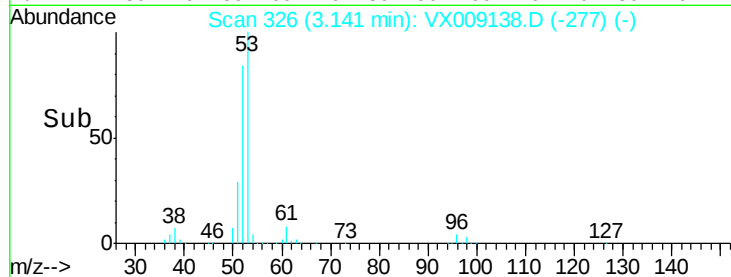
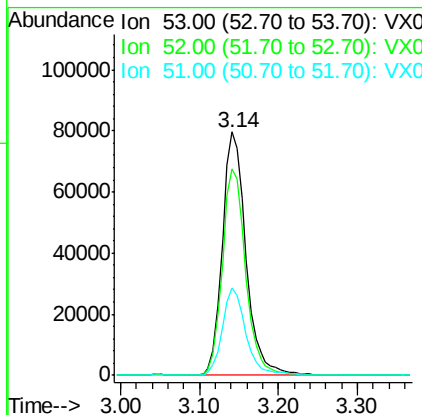
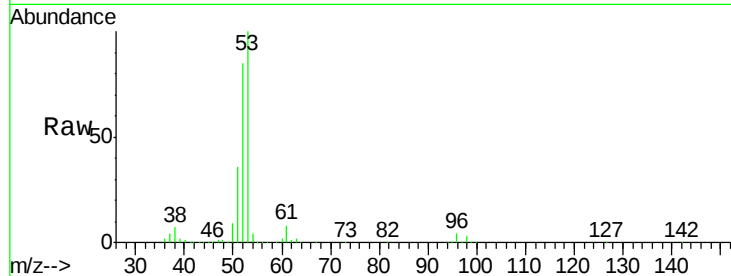
ClientSampleId :

VX0424WBSD01

Tot Ion:	53	Resp:	165297
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.6	100.0
51	35.6	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#16

Acetone

Concen: 109.012 ug/l

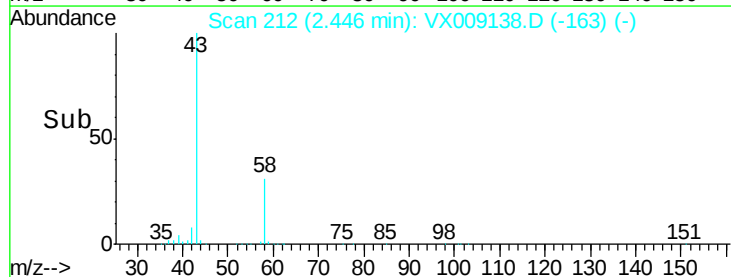
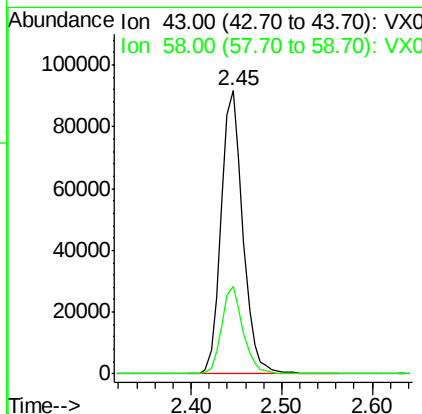
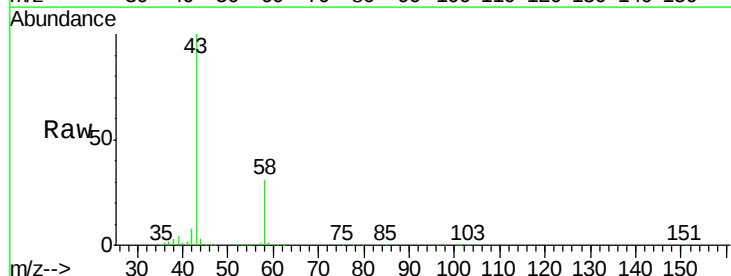
RT: 2.45 min Scan# 212

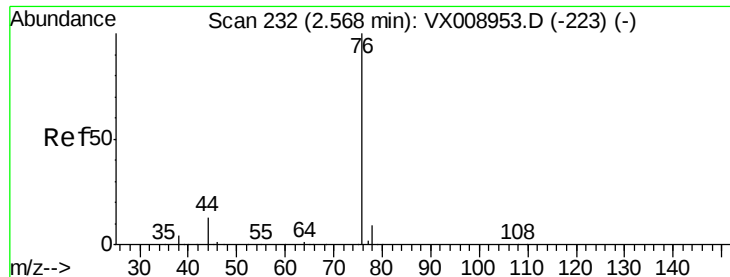
Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion:	43	Resp:	152676
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.8	37.2





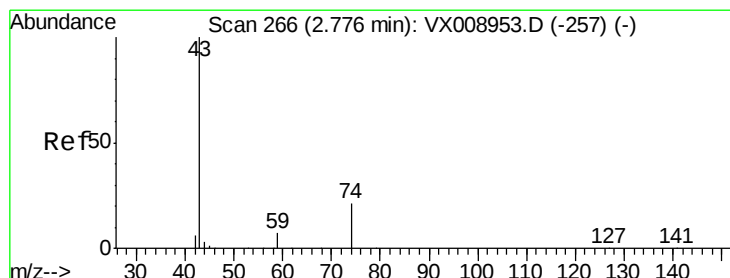
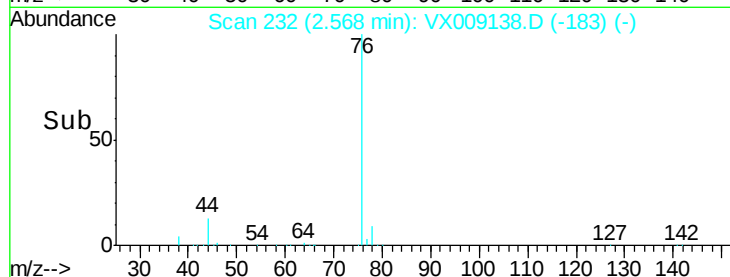
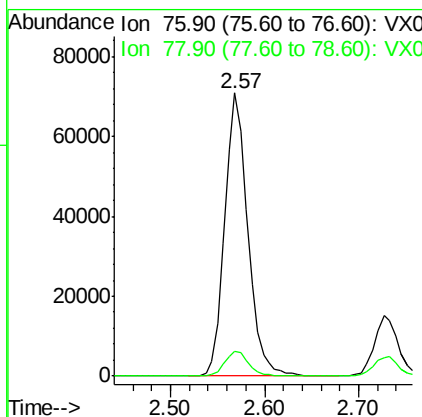
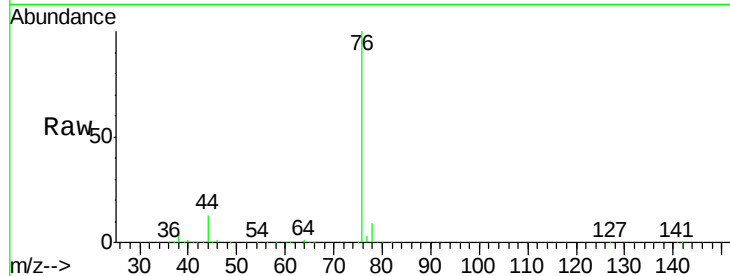
#17
Carbon Disulfide
Concen: 20.806 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

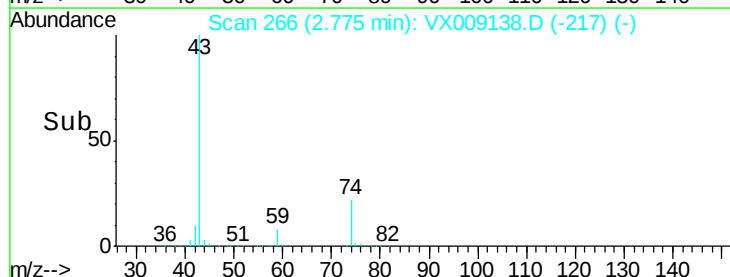
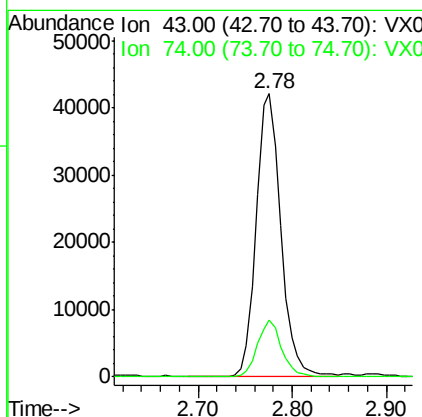
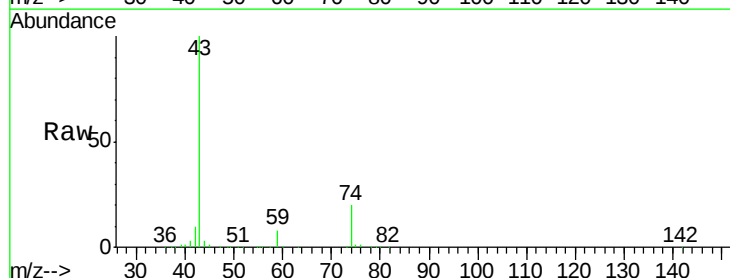
Manual Integrations
APPROVED

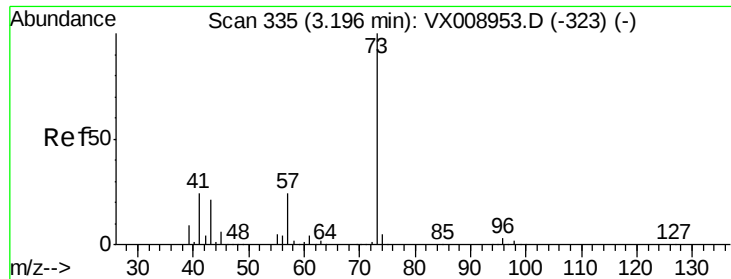
MMDadoda
4/25/2019 12:34:21 PM



#18
Methyl Acetate
Concen: 22.087 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





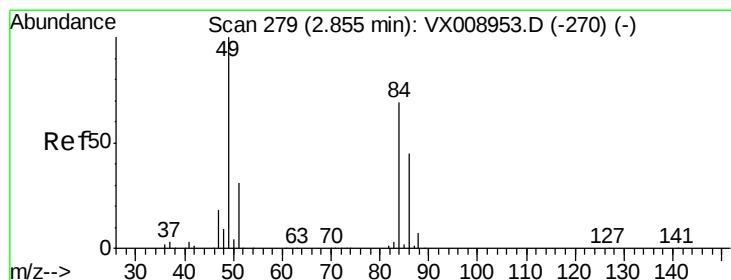
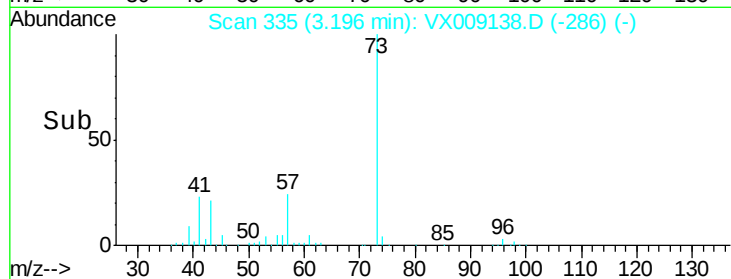
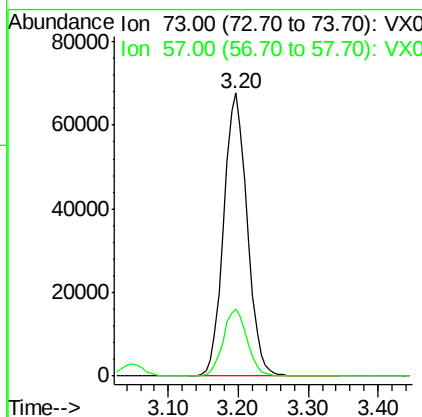
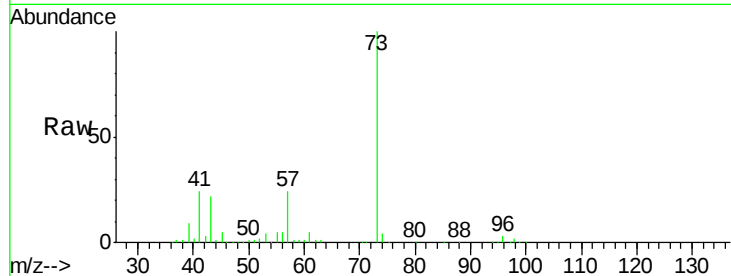
#19
Methvl tert-butvl Ether
Concen: 21.579 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion: 73 Resp: 158011
Ion Ratio Lower Upper
73 100
57 23.6 19.2 28.8

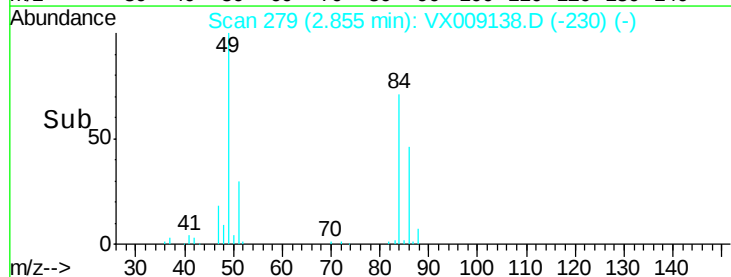
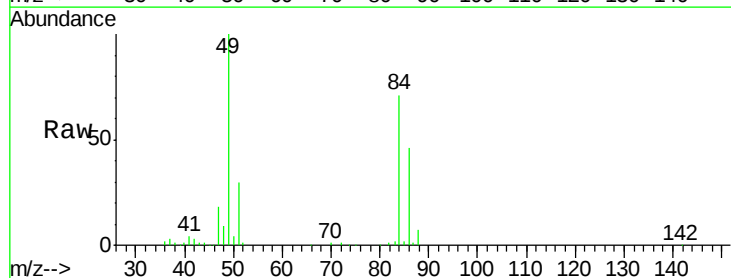
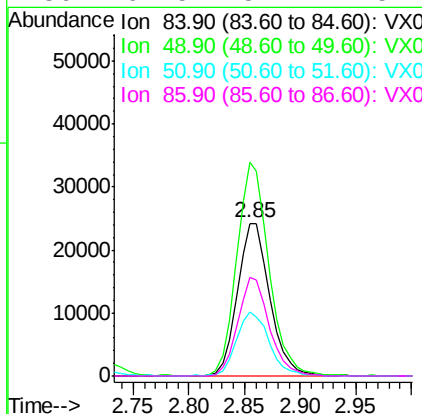
Manual Integrations
APPROVED

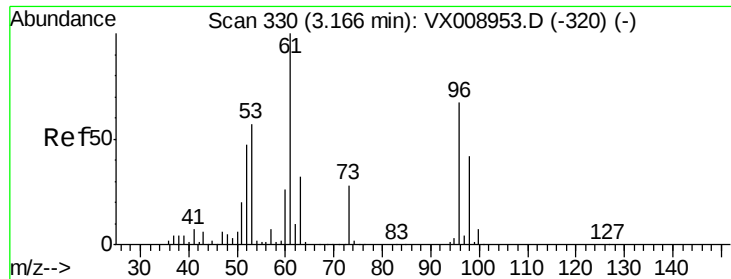
MMDadoda
4/25/2019 12:34:21 PM



#20
Methylene Chloride
Concen: 20.383 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion: 84 Resp: 48818
Ion Ratio Lower Upper
84 100
49 140.1 115.4 173.0
51 41.6 35.8 53.6
86 64.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.476 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

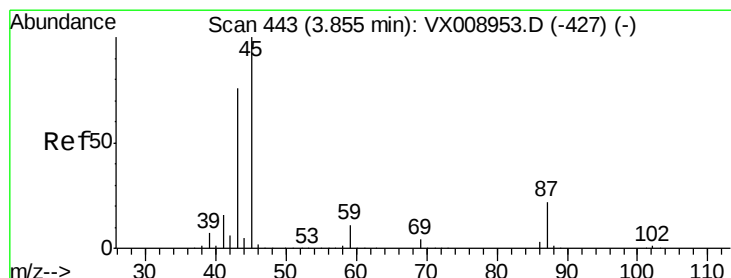
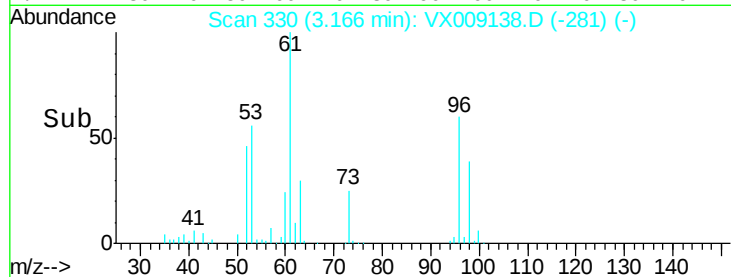
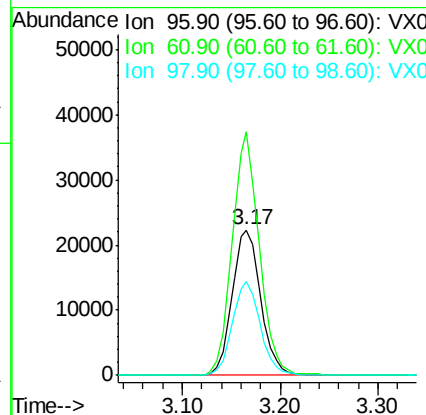
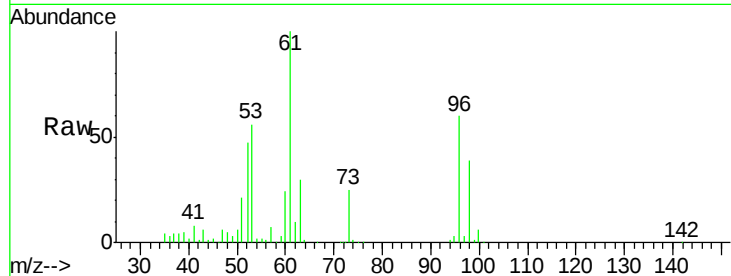
ClientSampleId :

VX0424WBSD01

Tot Ion:	96	Resp:	44884
Ion	Ratio	Lower	Upper
96	100		
61	167.0	120.3	180.5
98	64.7	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#22

Diisopropyl ether

Concen: 22.117 ug/l

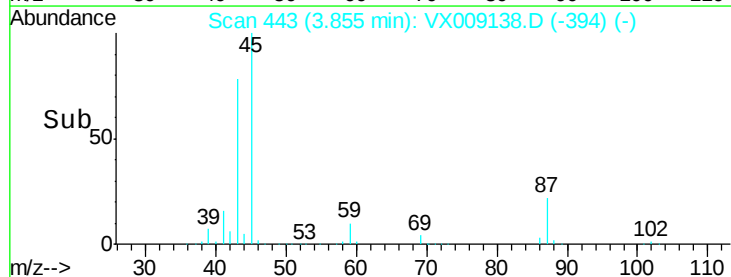
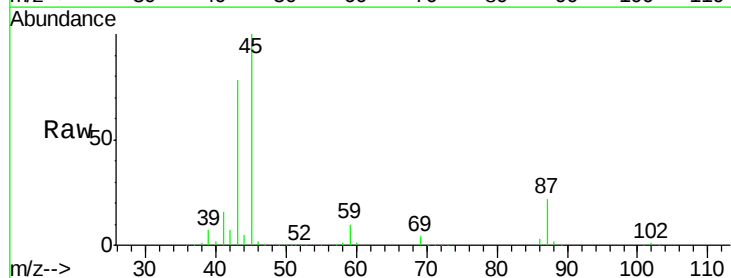
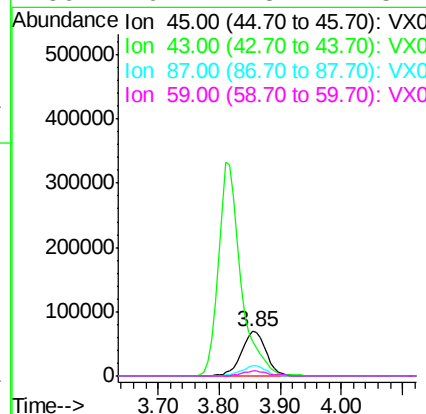
RT: 3.85 min Scan# 443

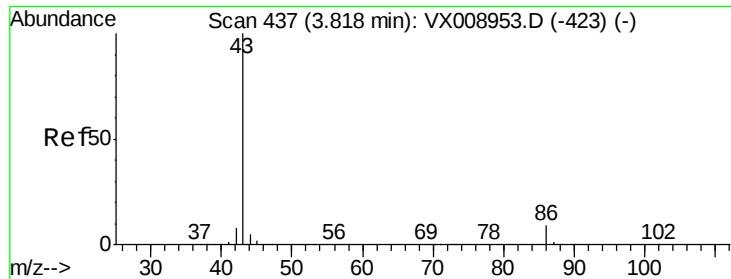
Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion:	45	Resp:	192690
Ion	Ratio	Lower	Upper
45	100		
43	78.0	60.6	91.0
87	22.3	17.8	26.8
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 112.089 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 43 Resp: 858446

Ion Ratio Lower Upper

43 100

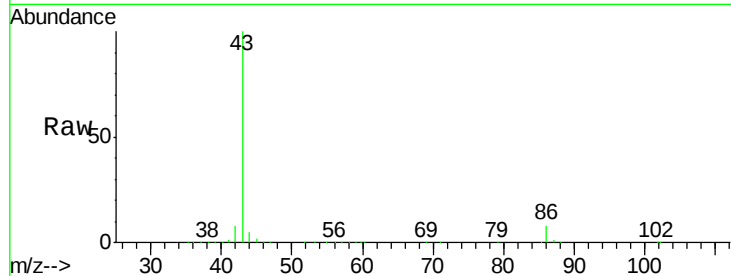
86 8.3 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

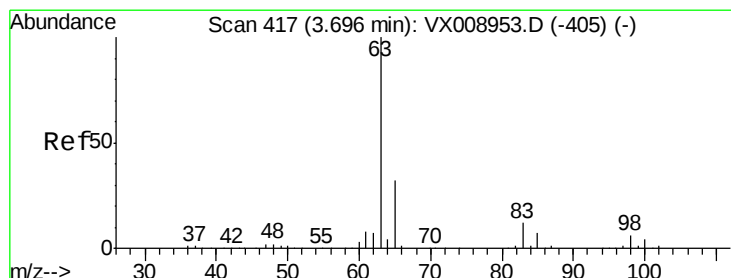
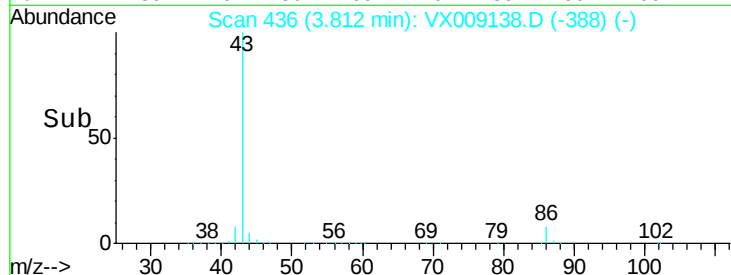
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.204 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

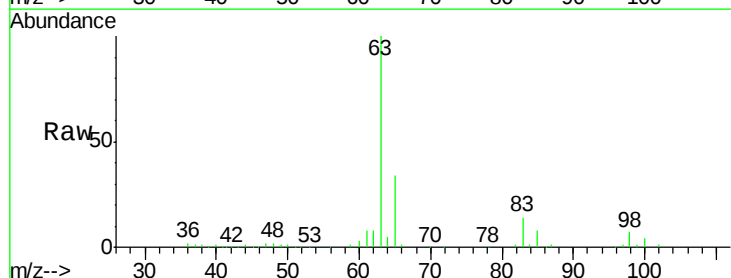
Tgt Ion: 63 Resp: 92736

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

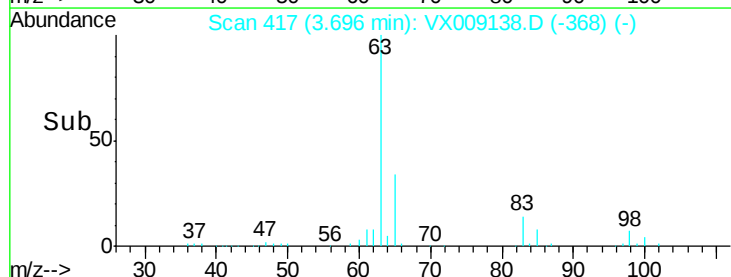
30000

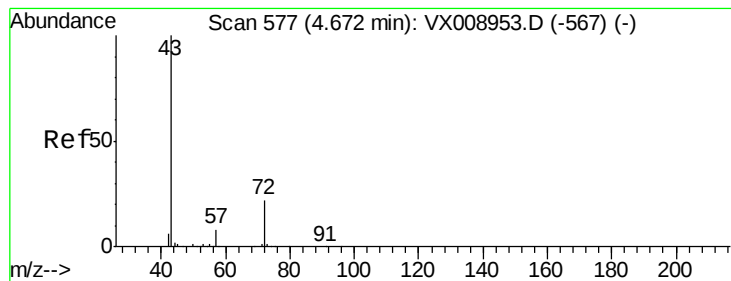
20000

10000

0

Time-->





#25

2-Butanone

Concen: 112.296 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 43 Resp: 251393

Ion Ratio Lower Upper

43 100

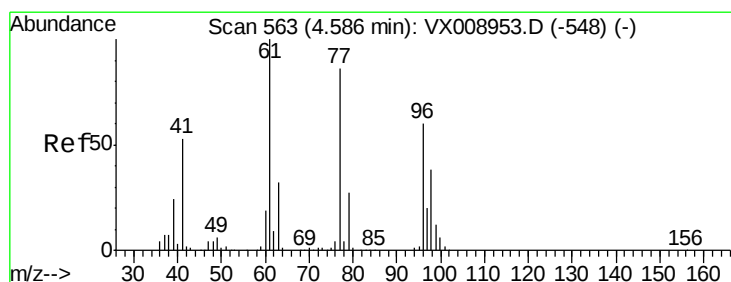
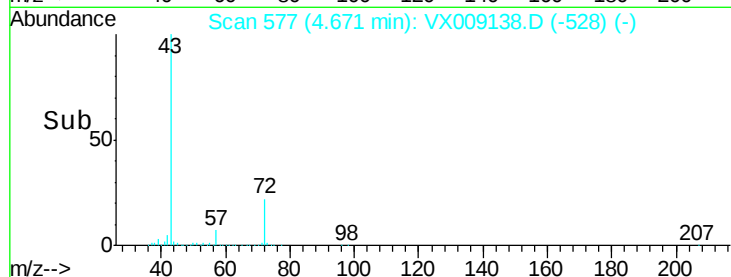
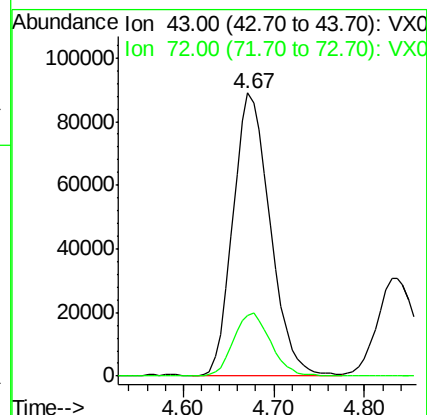
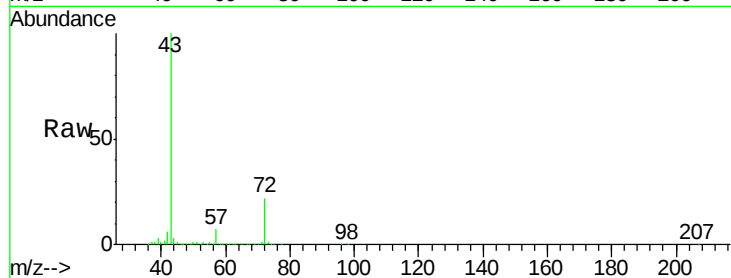
72 21.5 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#26

2,2-Dichloropropane

Concen: 20.988 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009138.D

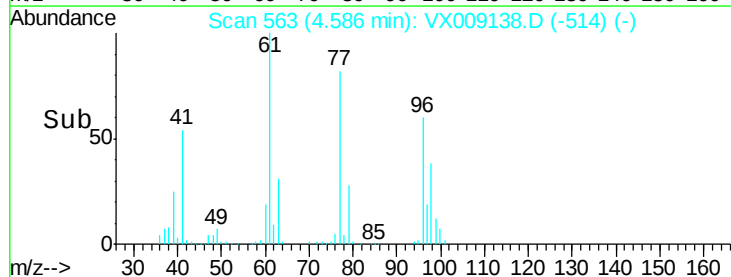
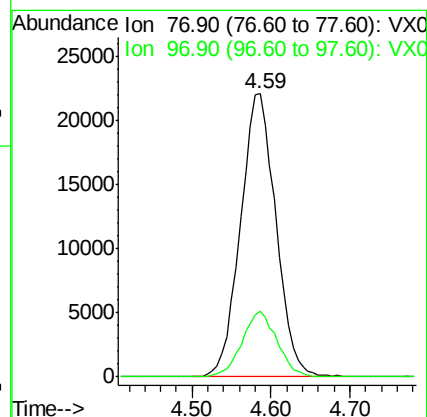
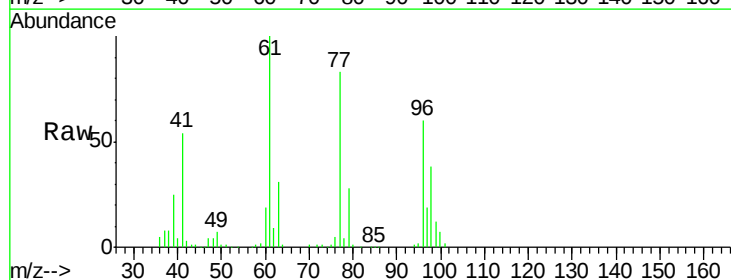
Acq: 24 Apr 2019 12:27

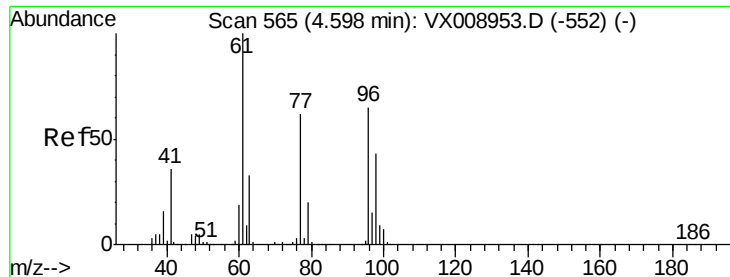
Tgt Ion: 77 Resp: 68806

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





#27

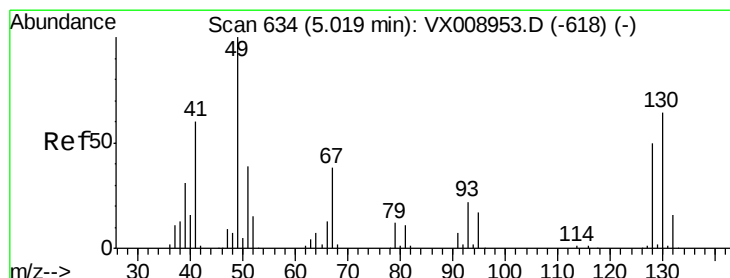
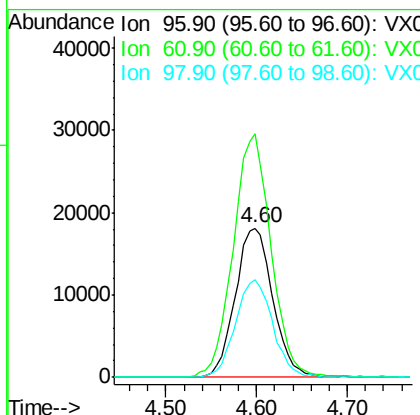
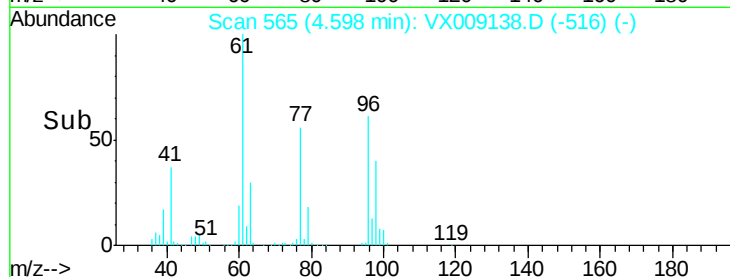
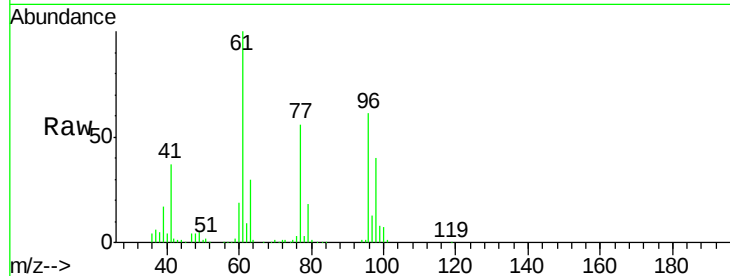
cis-1,2-Dichloroethene
Concen: 20.843 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.6	0.0	322.0	
98	65.1	0.0	128.4	

Manual Integrations
APPROVED

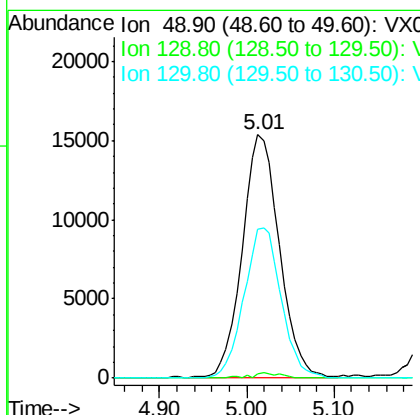
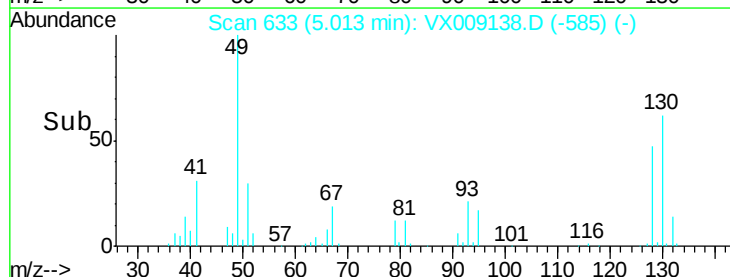
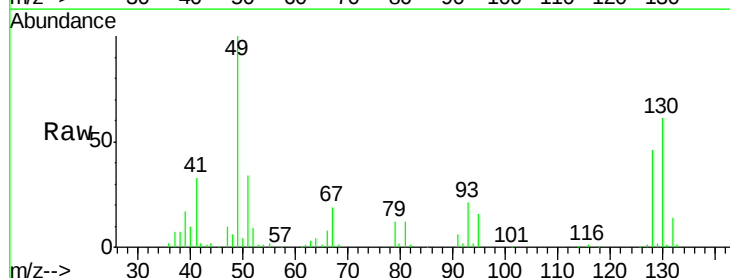
MMDadoda
4/25/2019 12:34:21 PM

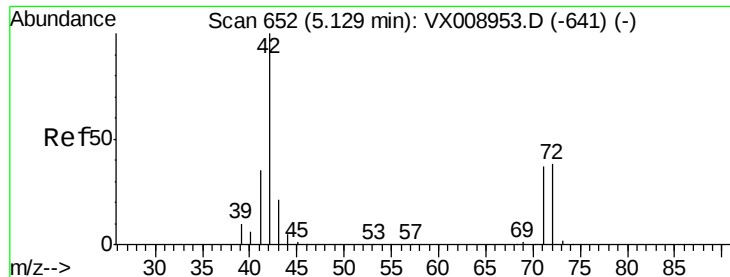


#28

Bromochloromethane
Concen: 23.768 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.6	
130	62.4	50.4	75.6	





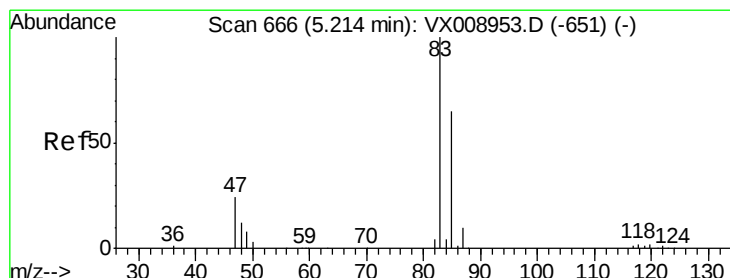
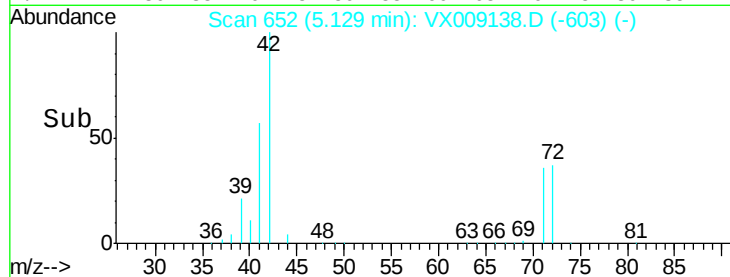
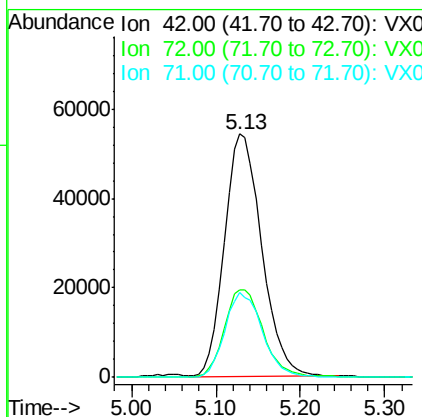
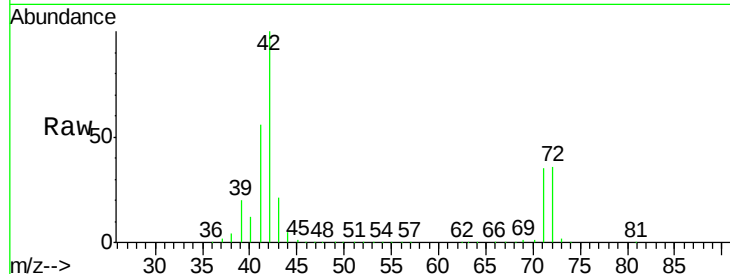
#29
Tetrahydrofuran
Concen: 109.148 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.6	45.8
71	35.5	28.8	43.2

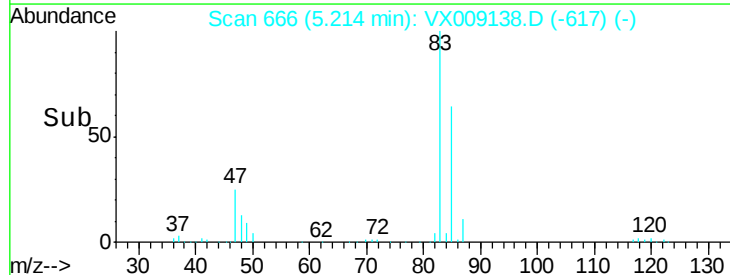
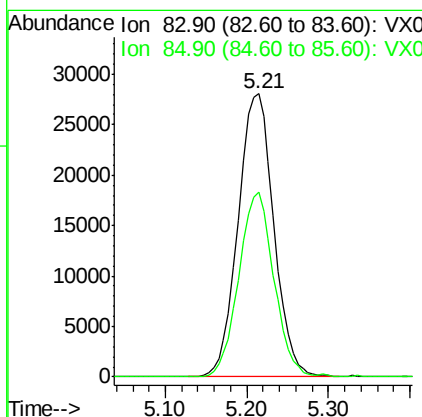
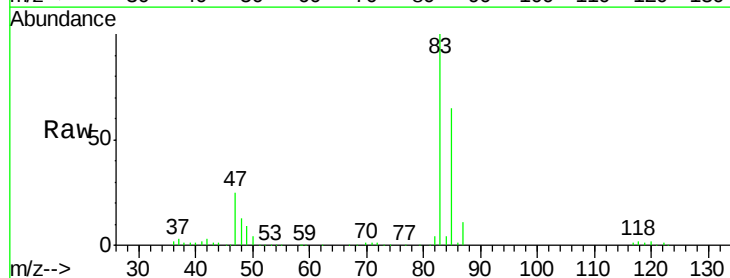
Manual Integrations
APPROVED

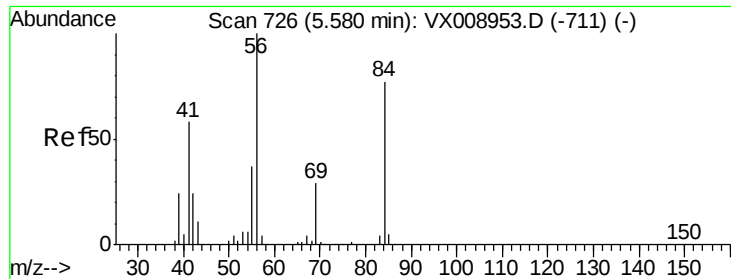
MMDadoda
4/25/2019 12:34:21 PM



#30
Chloroform
Concen: 21.834 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9





#31

Cyclohexane

Concen: 21.195 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

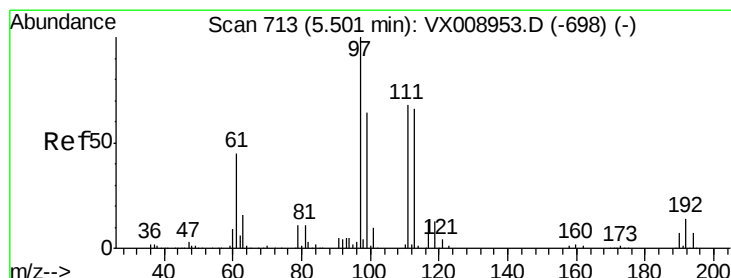
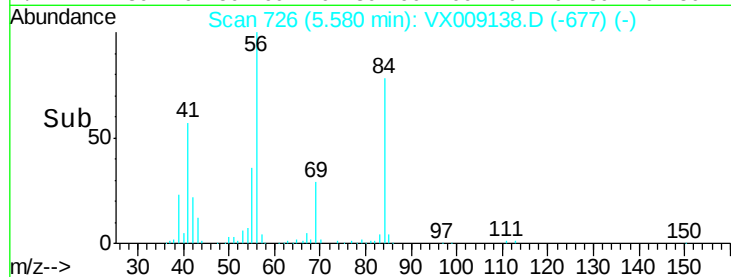
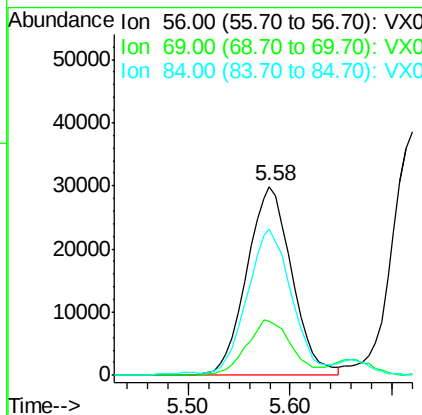
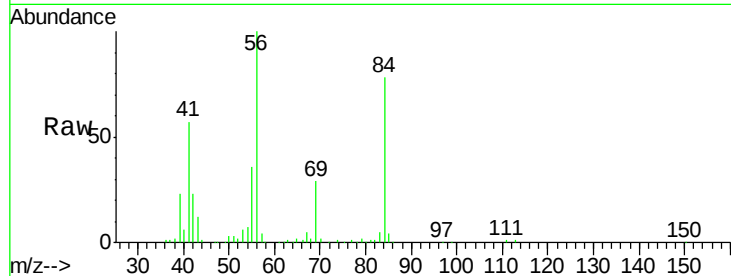
ClientSampleId :

VX0424WBSD01

Tot Ion:	56	Resp:	91173
Ion Ratio	Lower	Upper	
56	100		
69	28.6	23.3	34.9
84	76.4	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#32

1,1,1-Trichloroethane

Concen: 21.334 ug/l

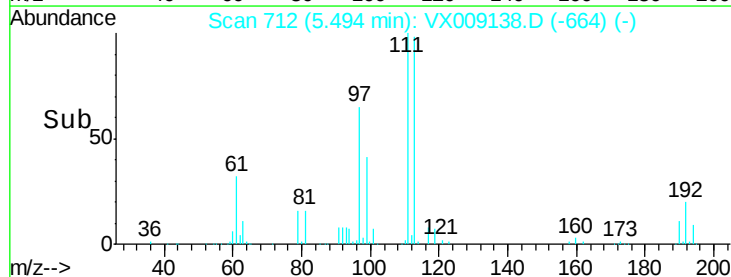
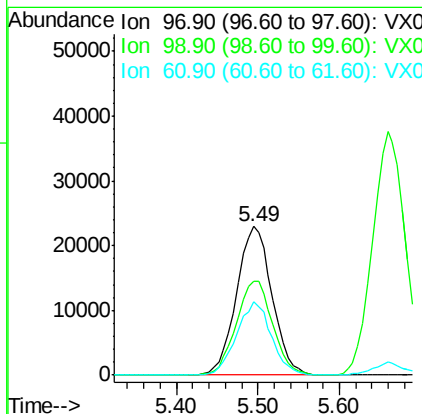
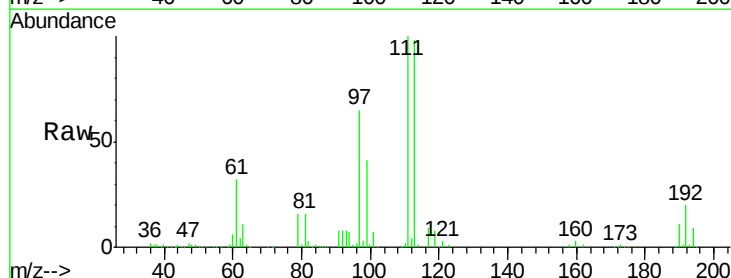
RT: 5.49 min Scan# 712

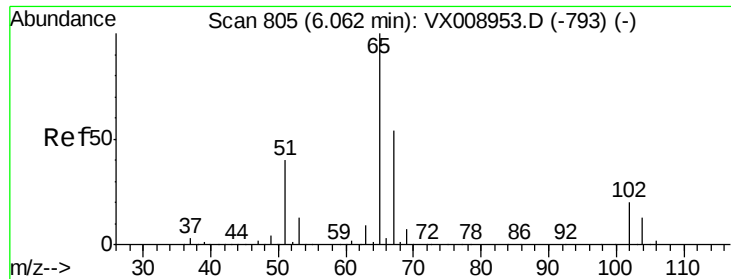
Delta R.T. -0.01 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion:	97	Resp:	69199
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.6	77.4
61	48.5	37.9	56.9





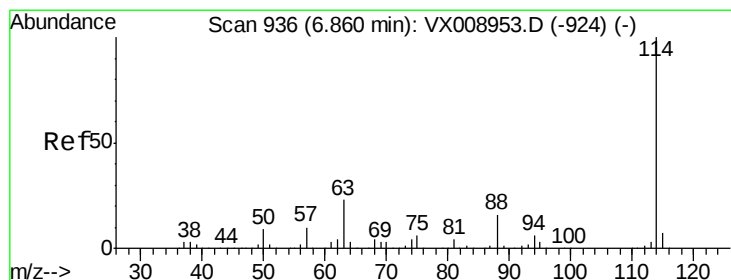
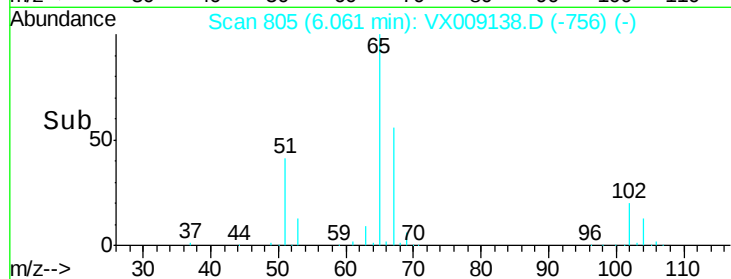
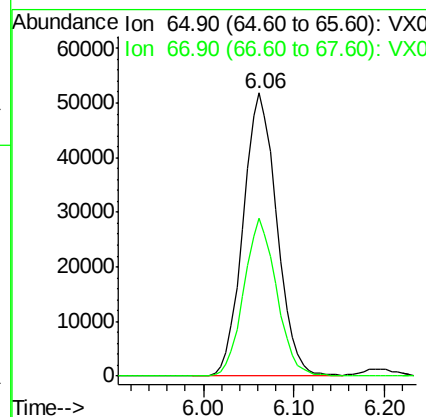
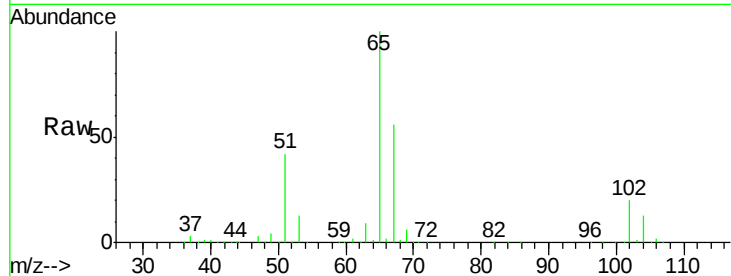
#33
 1,2-Dichloroethane-d4
 Concen: 49.559 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133847		
67	54.2	0.0	108.6	

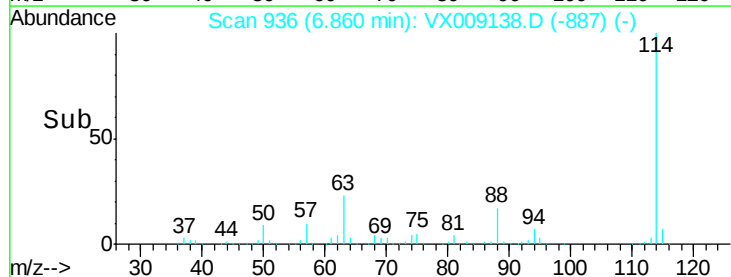
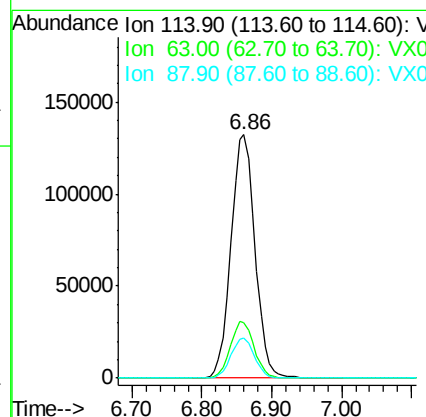
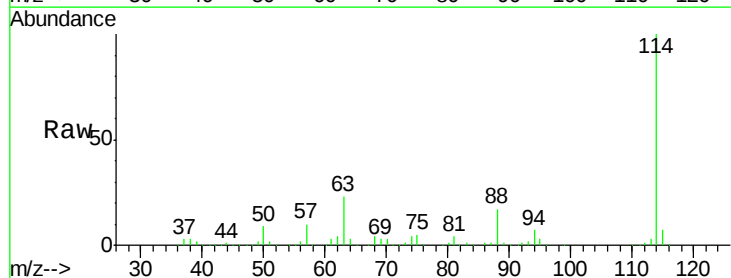
Manual Integrations
 APPROVED

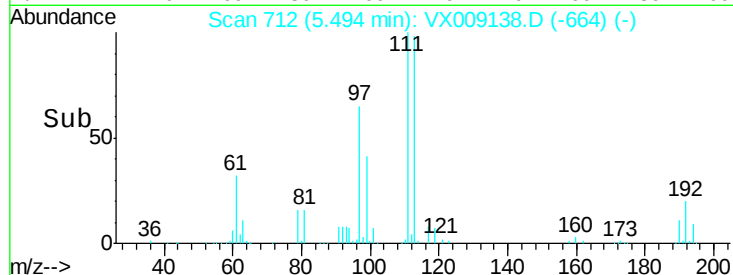
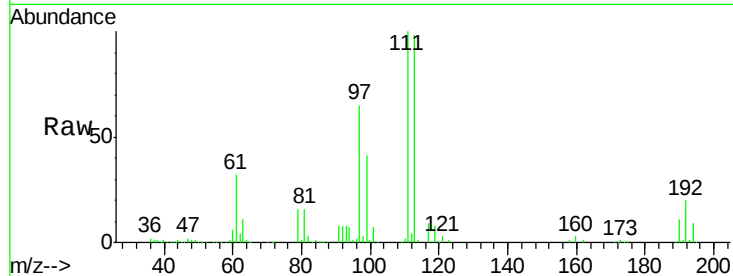
MMDadoda
 4/25/2019 12:34:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	316422		
63	22.7	0.0	46.0	
88	16.7	0.0	32.6	





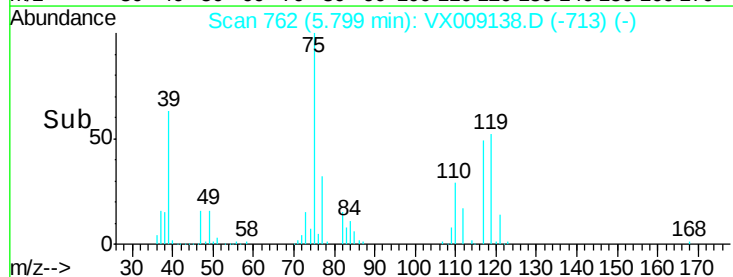
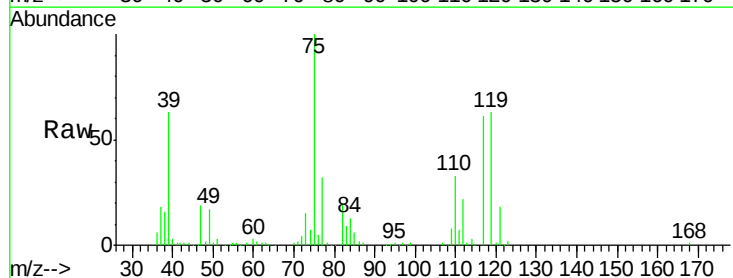
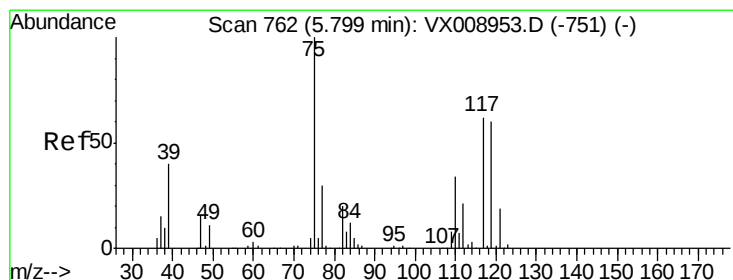
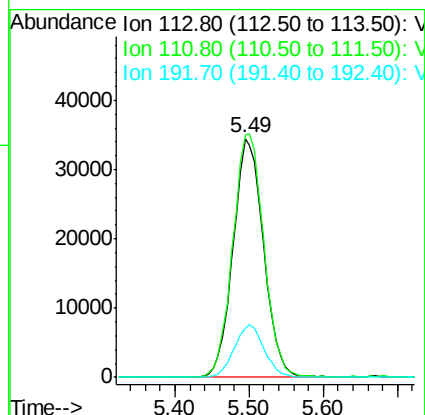
#35
Dibromofluoromethane
Concen: 48.722 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98941		
111	103.6	82.9	124.3	
192	21.6	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

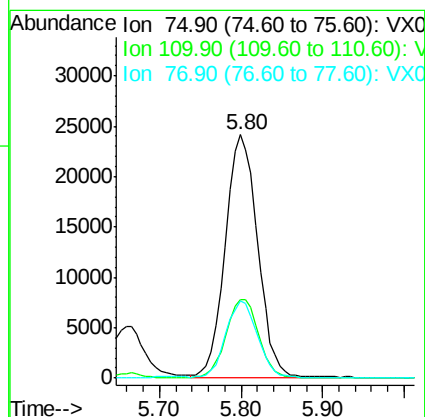
Manual Integrations
APPROVED

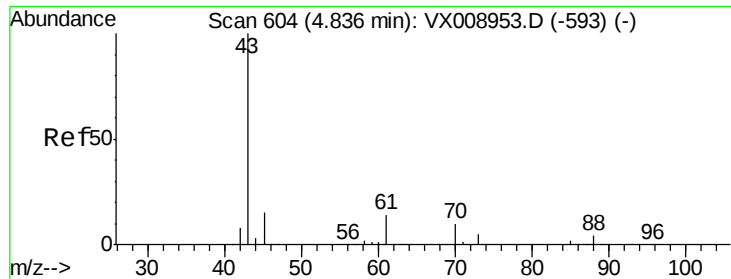
MMDadoda
4/25/2019 12:34:21 PM



#36
1,1-Dichloropropene
Concen: 20.180 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66040		
110	32.7	16.9	50.7	
77	31.7	25.0	37.4	





#37

Ethyl Acetate

Concen: 22.034 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

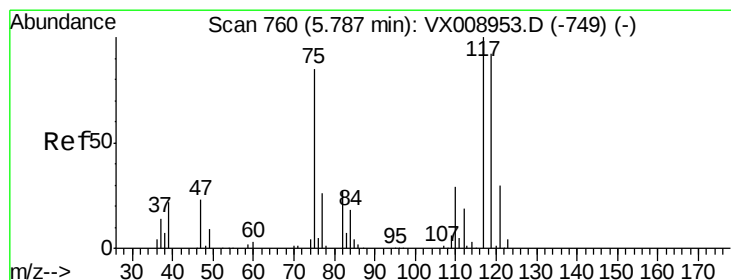
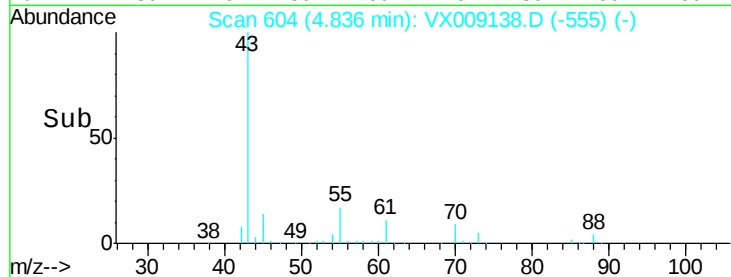
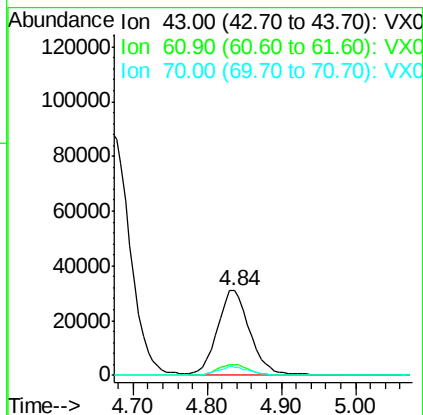
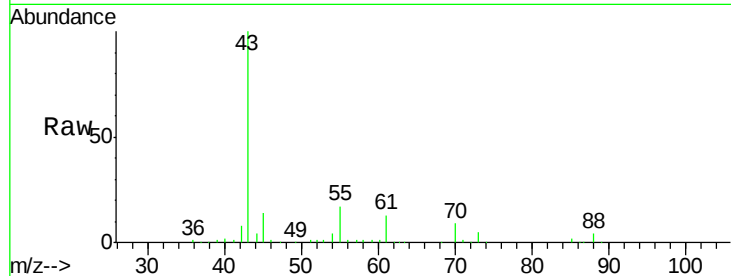
ClientSampleId :

VX0424WBSD01

Tot Ion:	43	Resp:	92785
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	9.9	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#38

Carbon Tetrachloride

Concen: 20.983 ug/l

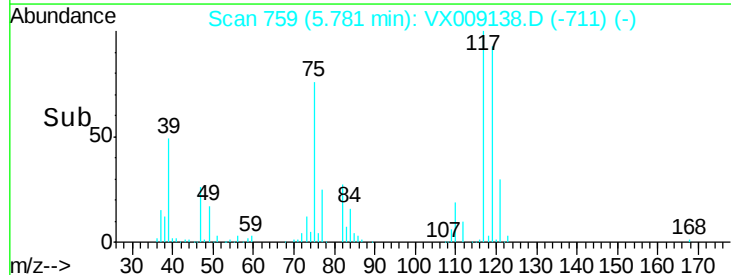
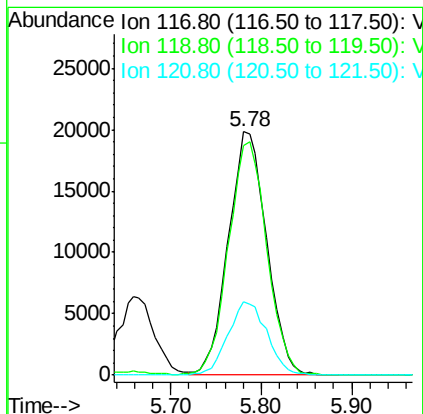
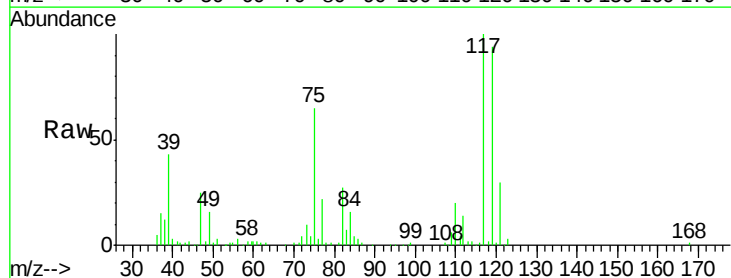
RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion:	117	Resp:	58213
Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.8	110.8
121	29.9	23.6	35.4





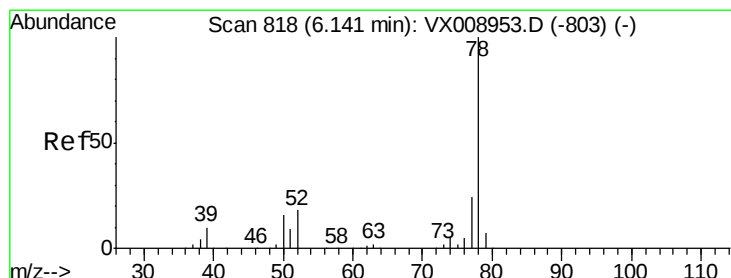
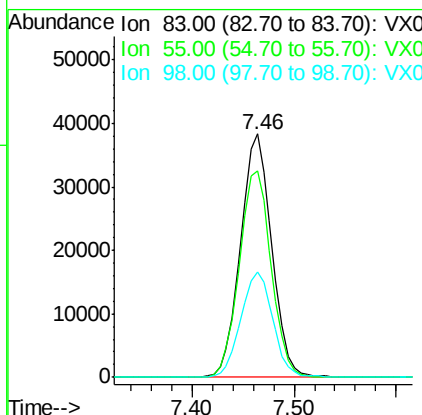
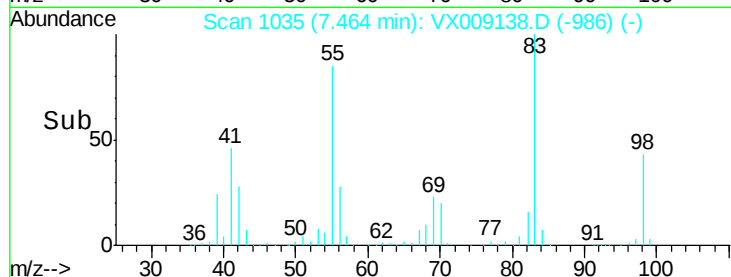
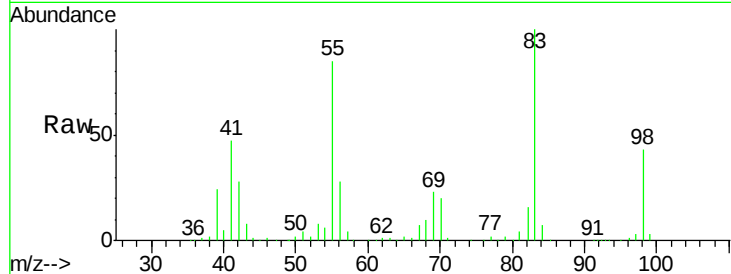
#39
Methvlcvclohexane
Concen: 20.458 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	83	Resp	81513
Ion	Ratio	Lower	Upper
83	100		
55	84.8	67.1	100.7
98	43.3	35.1	52.7

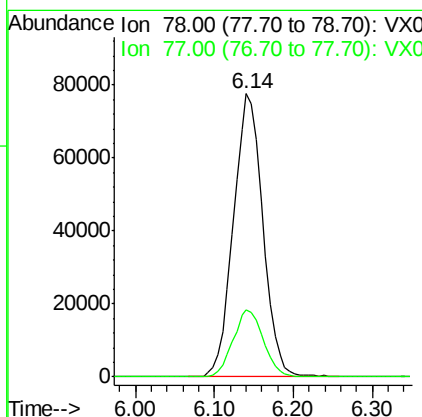
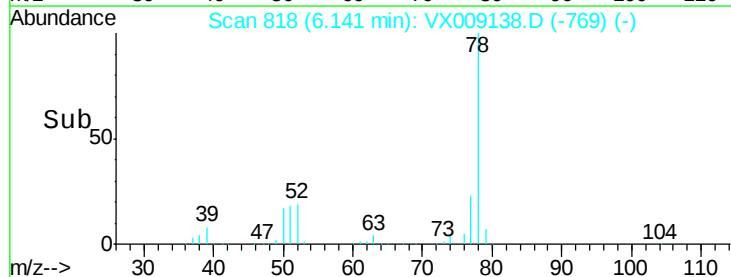
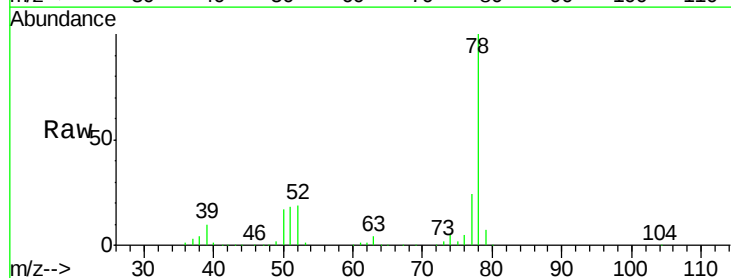
Manual Integrations
APPROVED

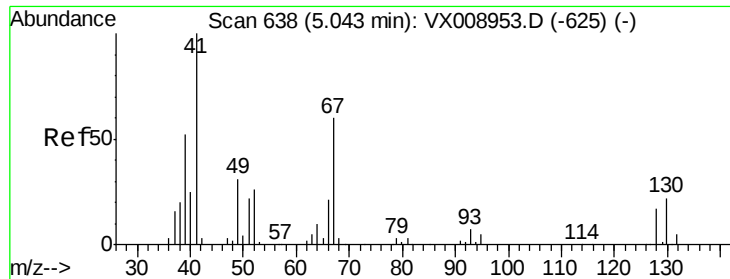
MMDadoda
4/25/2019 12:34:21 PM



#40
Benzene
Concen: 20.901 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	78	Resp	201782
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





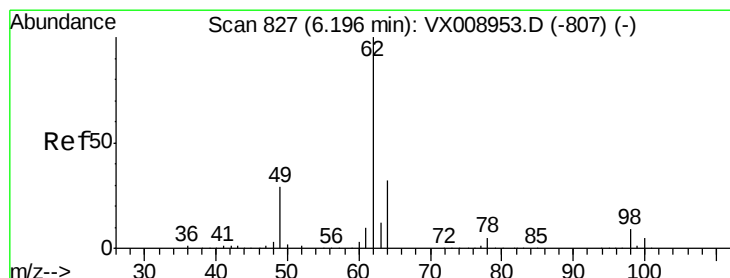
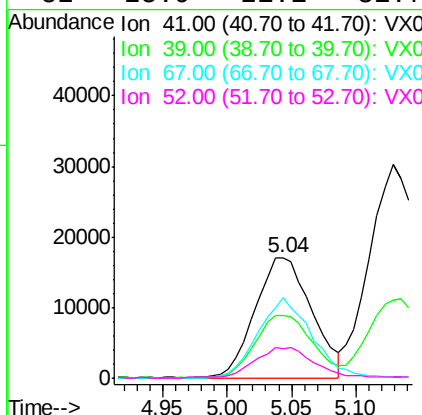
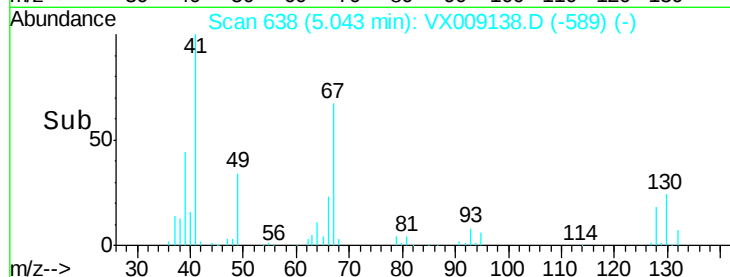
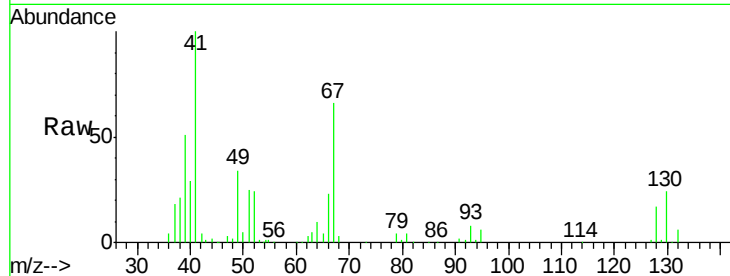
#41
Methacrylonitrile
Concen: 21.491 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion:	41	Resp:	51940
Ion	Ratio	Lower	Upper
41	100		
39	52.2	41.8	62.6
67	64.6	50.2	75.4
52	25.9	21.1	31.7

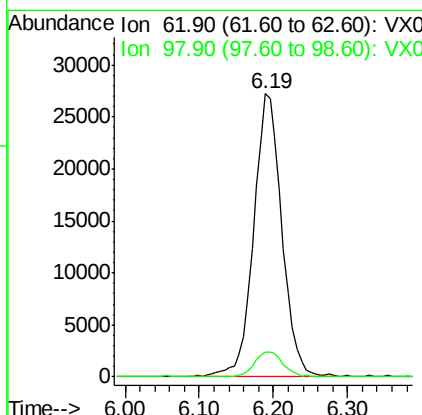
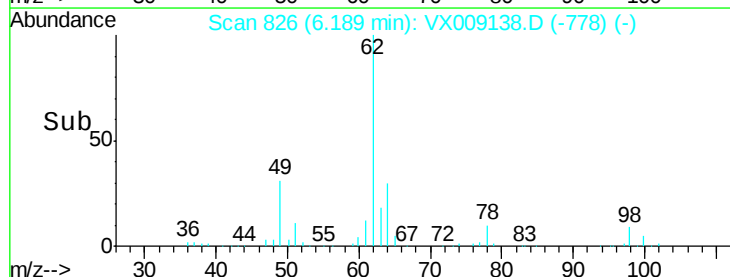
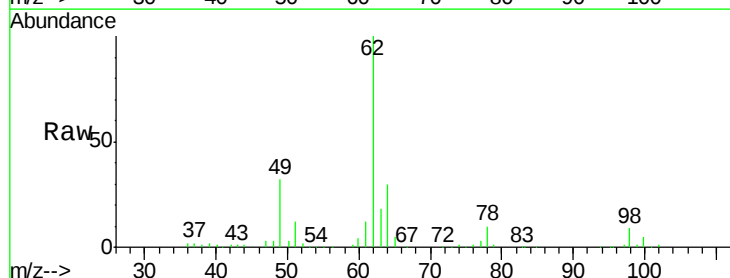
Manual Integrations
APPROVED

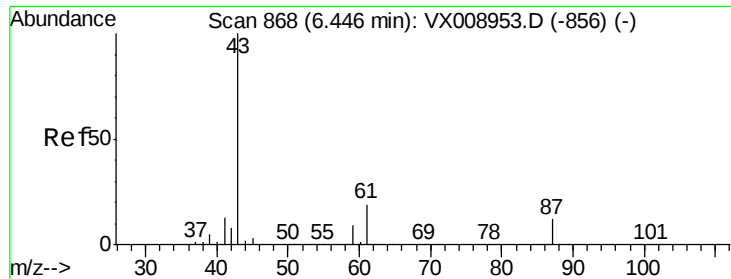
MMDadoda
4/25/2019 12:34:21 PM



#42
1,2-Dichloroethane
Concen: 21.152 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion:	62	Resp:	72336
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

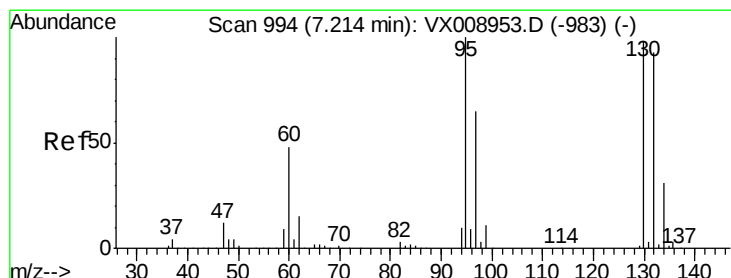
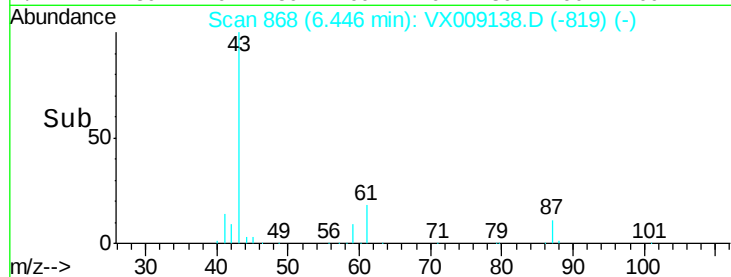
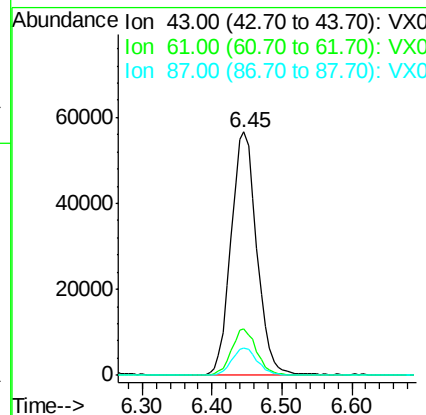
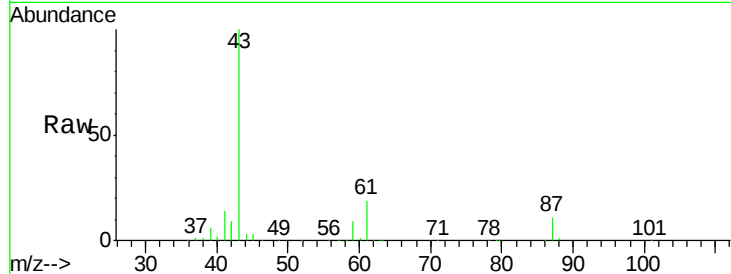
Isopropyl Acetate
 Concen: 21.358 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.4	23.0
87	11.3	9.0	13.4

Manual Integrations
 APPROVED

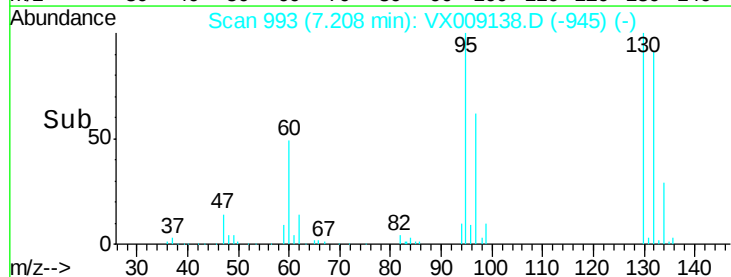
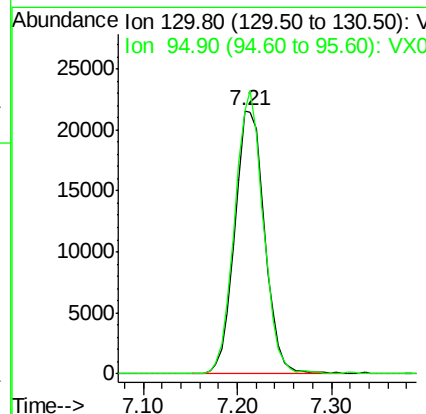
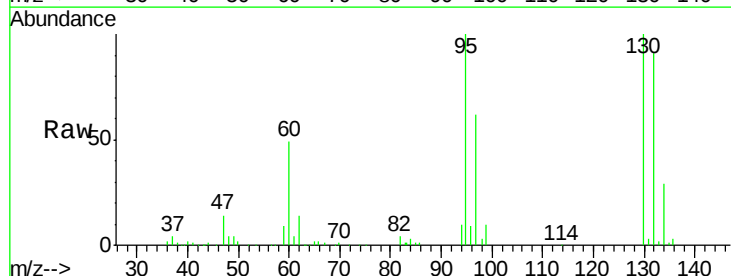
MMDadoda
 4/25/2019 12:34:21 PM

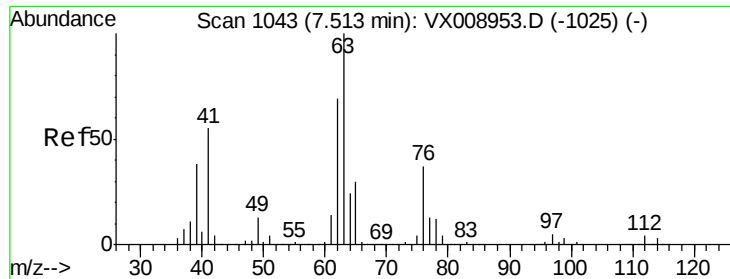


#44

Trichloroethene
 Concen: 20.178 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.2





#45

1,2-Dichloropropane

Concen: 21.418 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 63 Resp: 57363

Ion Ratio Lower Upper

63 100

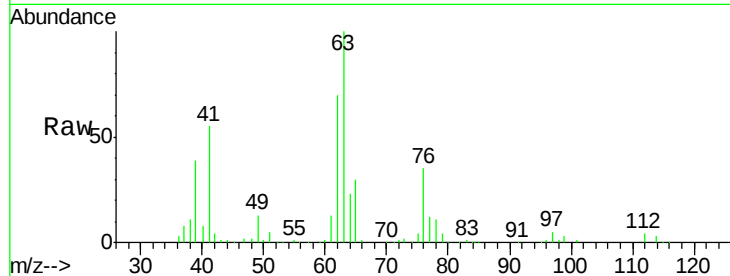
65 29.7 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

30000

25000

20000

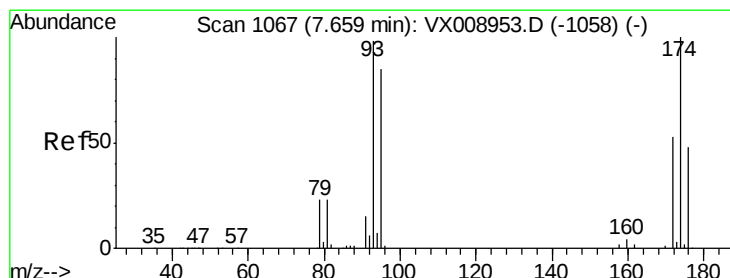
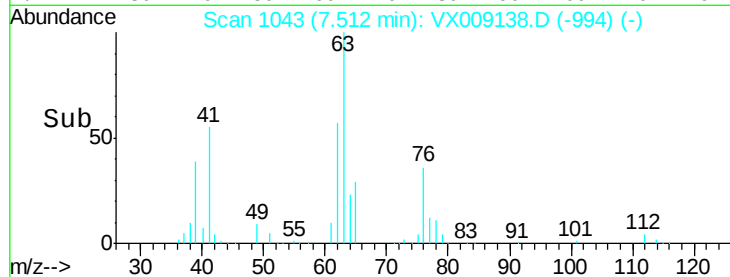
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 20.774 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

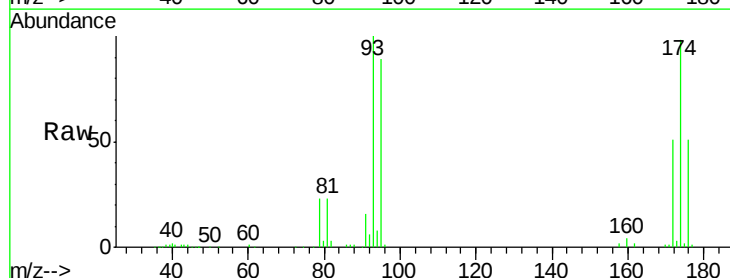
Tgt Ion: 93 Resp: 32380

Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 100.0 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

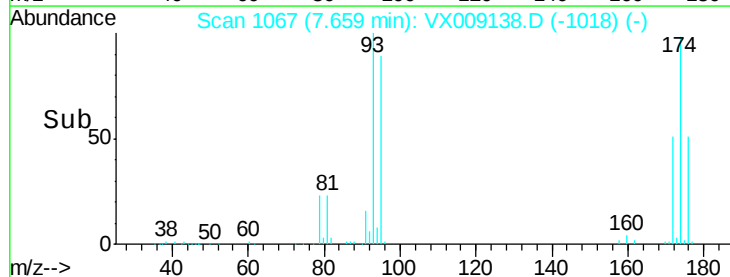
15000

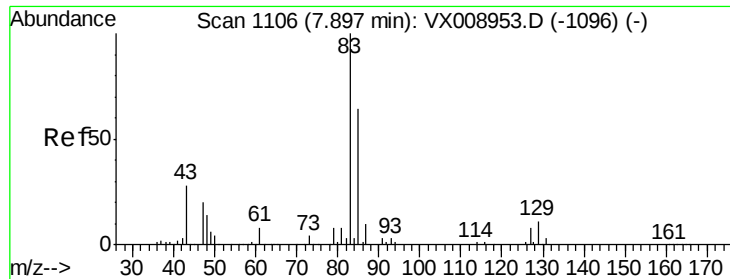
10000

5000

0

Time-->





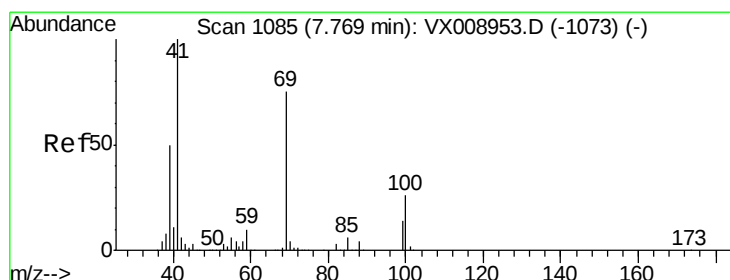
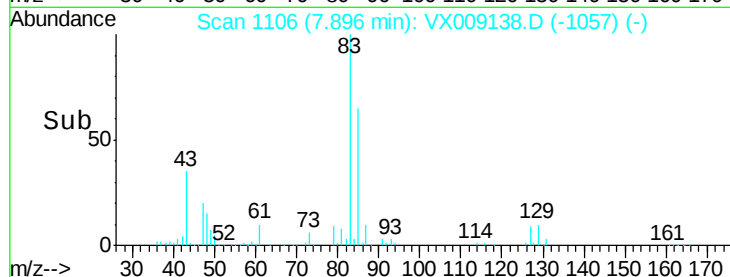
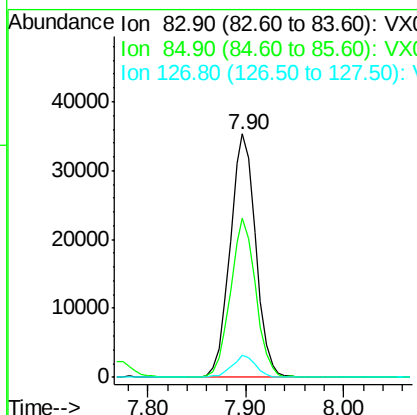
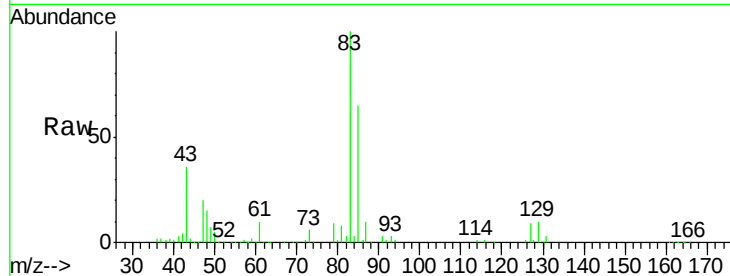
#47
Bromodichloromethane
Concen: 20.899 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	83	Resp	63892
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	50.8	76.2
127	8.9	6.4	9.6

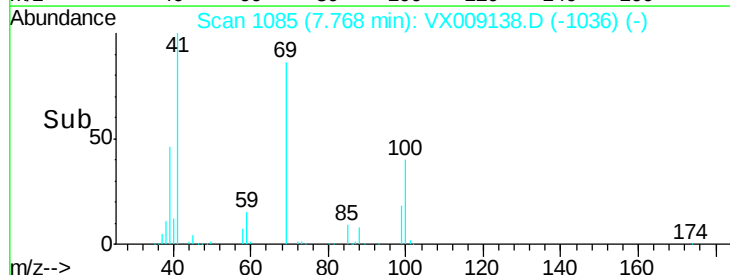
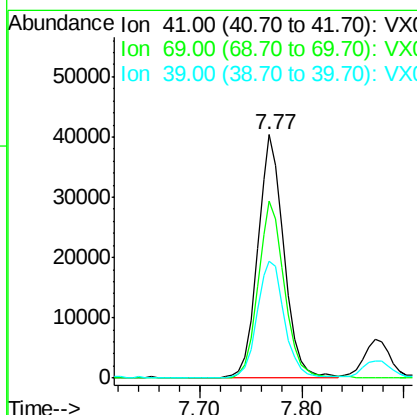
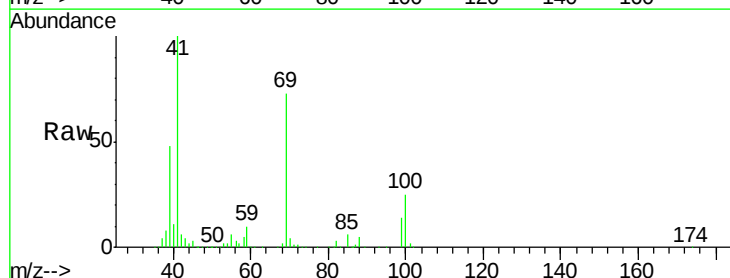
Manual Integrations
APPROVED

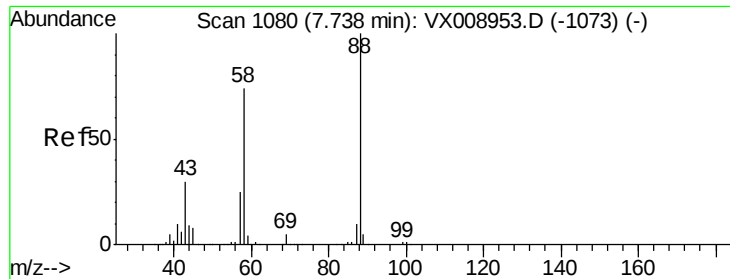
MMDadoda
4/25/2019 12:34:21 PM



#48
Methyl methacrylate
Concen: 21.372 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	41	Resp	71660
Ion Ratio	100	Lower	Upper
41	100		
69	74.3	59.4	89.2
39	50.6	39.8	59.6





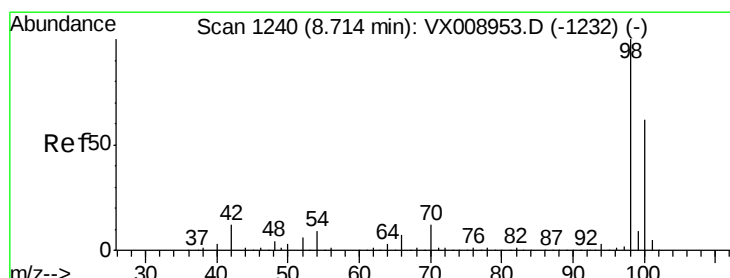
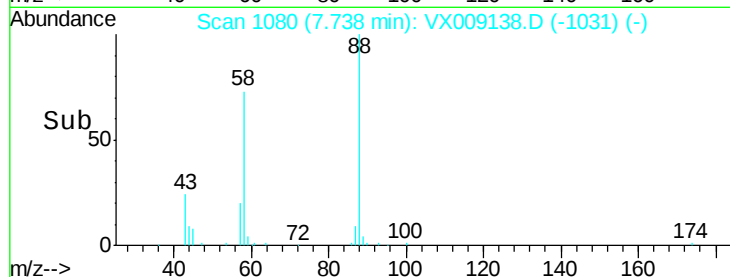
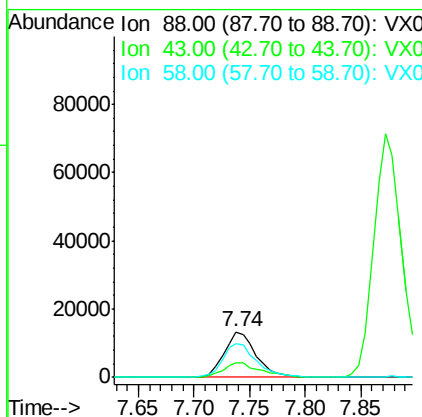
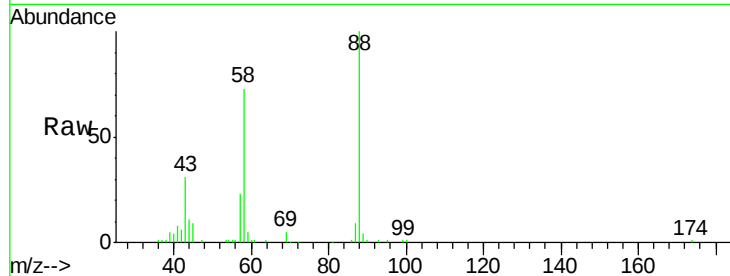
#49
1,4-Dioxane
Concen: 417.191 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.3	43.9
58	78.8	62.6	93.8

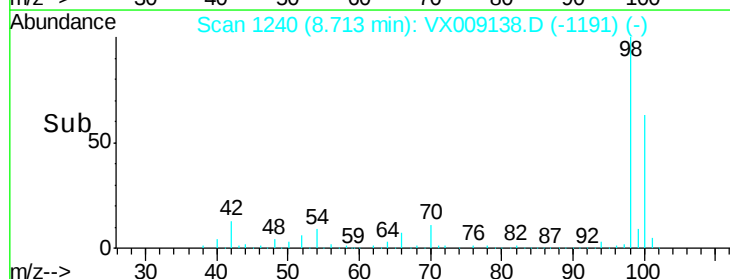
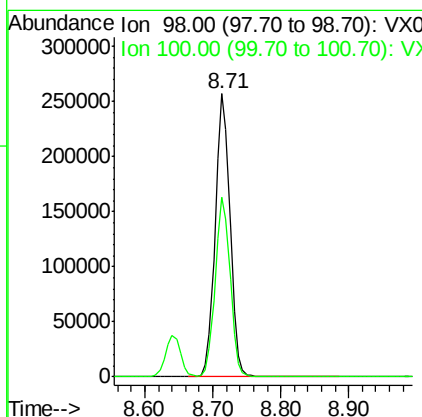
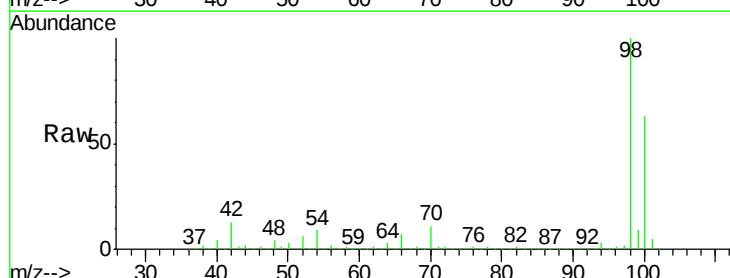
Manual Integrations
APPROVED

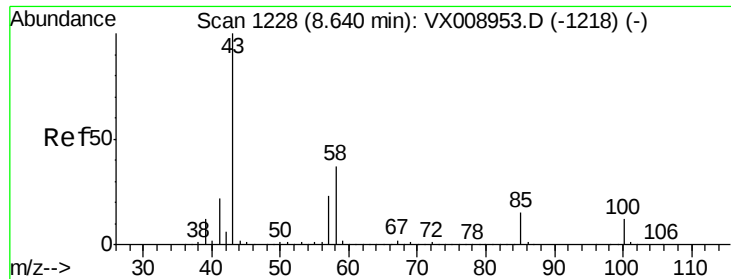
MMDadoda
4/25/2019 12:34:21 PM



#50
Toluene-d8
Concen: 48.239 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





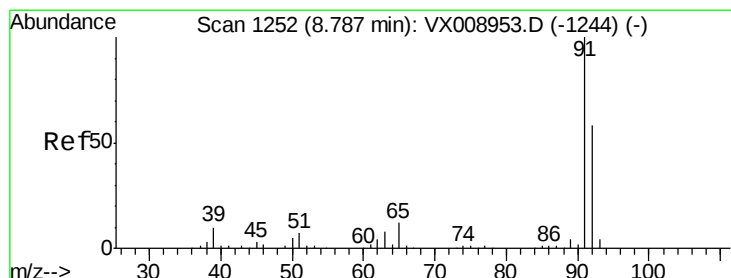
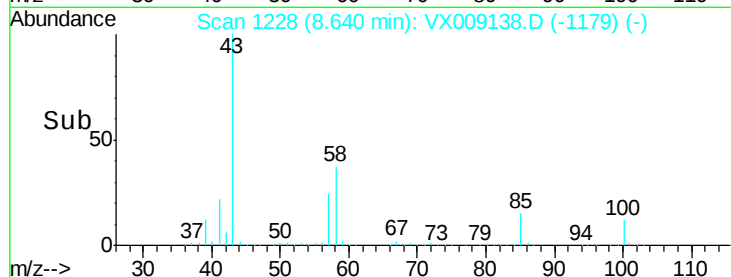
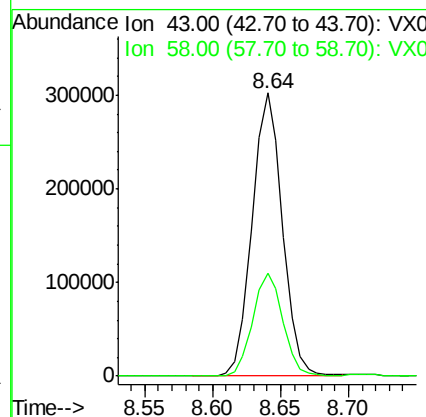
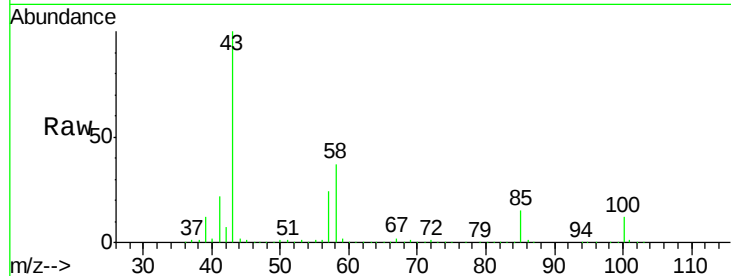
#51
4-Methyl-2-Pentanone
Concen: 109.107 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

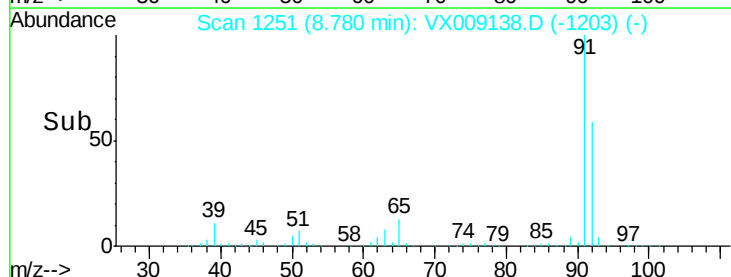
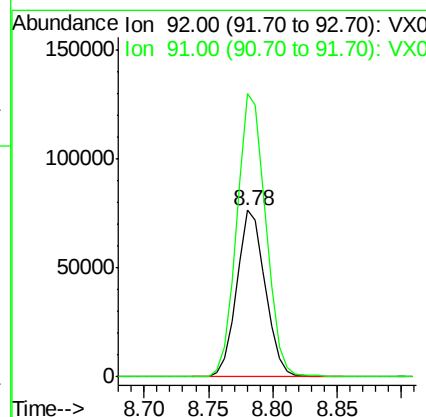
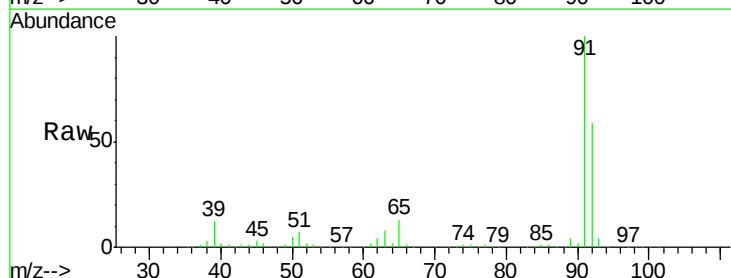
Manual Integrations
APPROVED

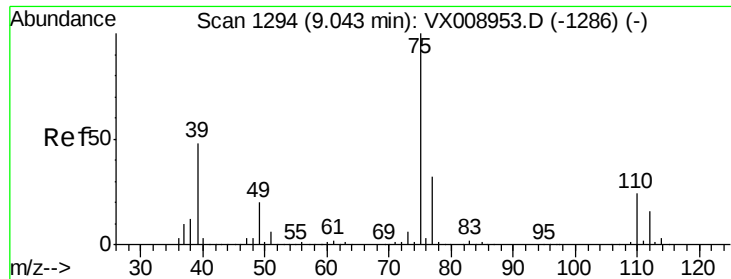
MMDadoda
4/25/2019 12:34:21 PM



#52
Toluene
Concen: 20.446 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.5	207.7





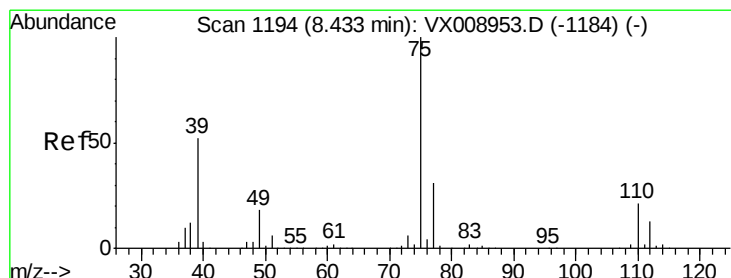
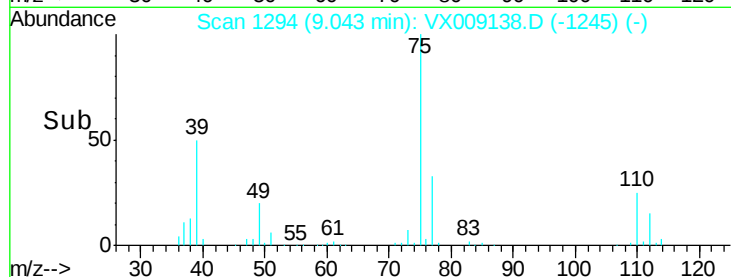
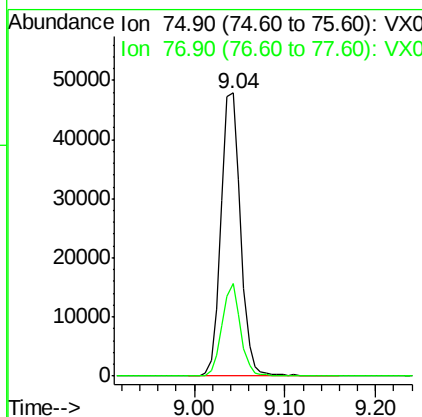
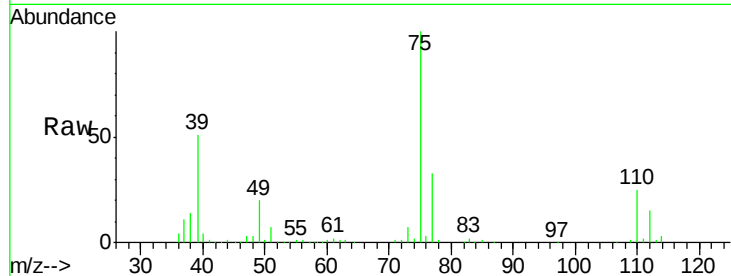
#53
t-1,3-Dichloropropene
Concen: 20.511 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion: 75 Resp: 72167
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

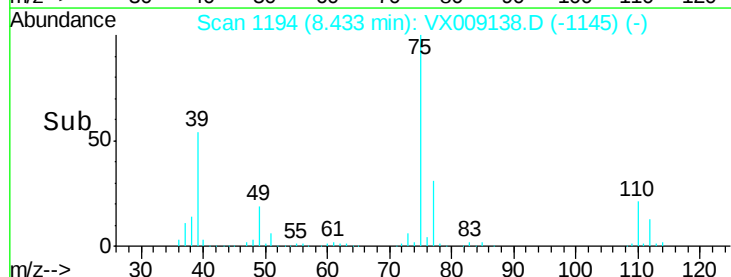
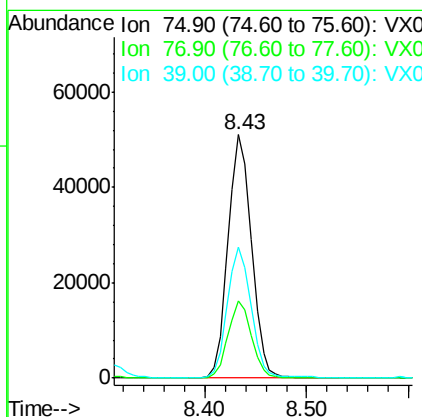
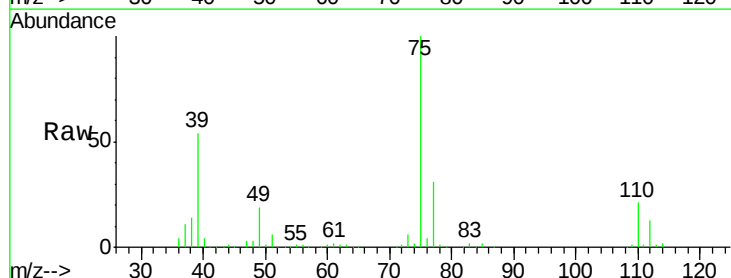
Manual Integrations
APPROVED

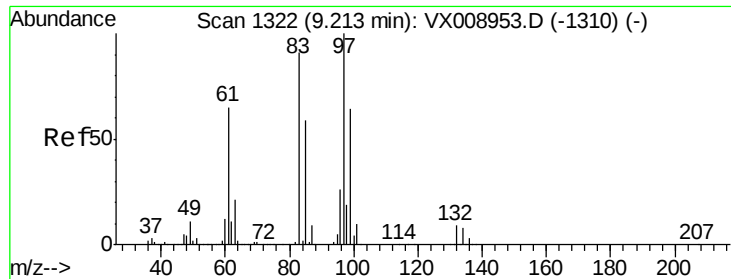
MMDadoda
4/25/2019 12:34:21 PM



#54
cis-1,3-Dichloropropene
Concen: 20.688 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion: 75 Resp: 81501
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 53.6 41.8 62.6





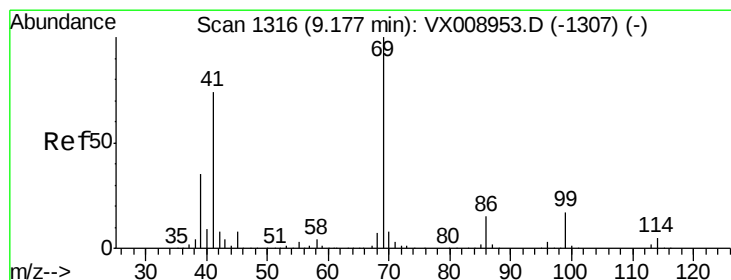
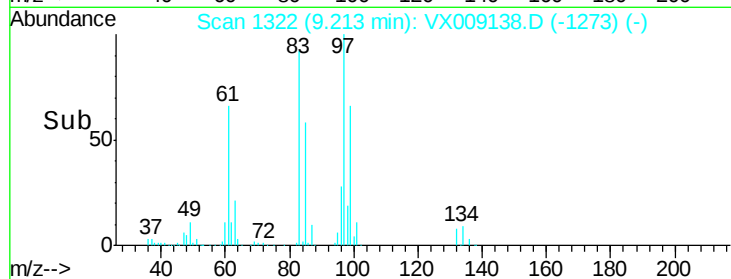
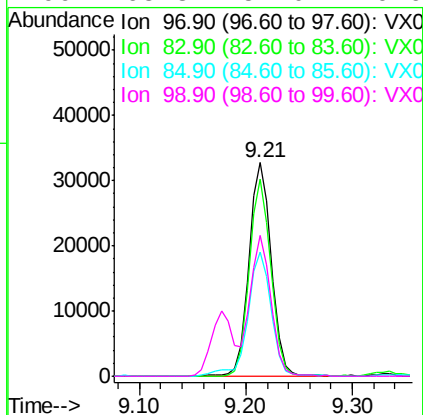
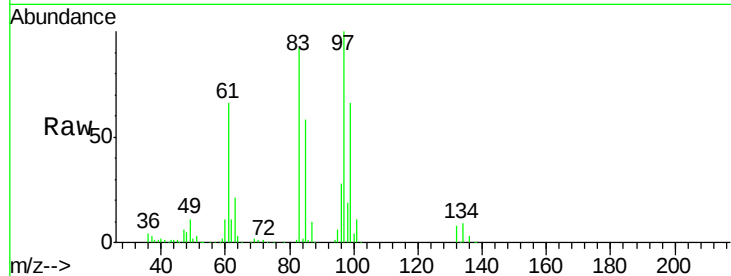
#55
 1,1,2-Trichloroethane
 Concen: 21.121 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBSD01

Tot Ion:	97	Resp:	48432
Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.6	108.8
85	58.4	46.9	70.3
99	65.8	51.0	76.6

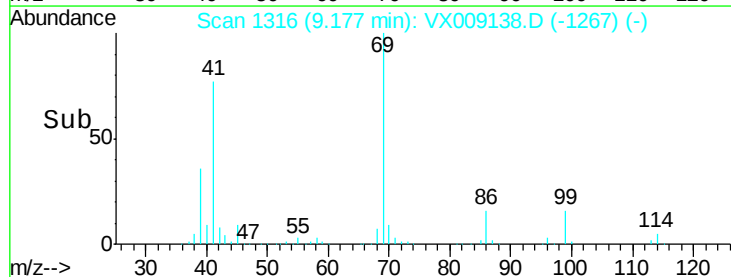
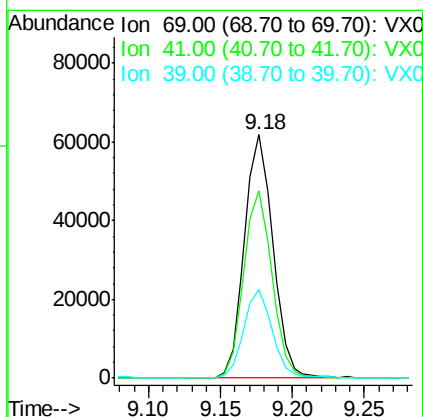
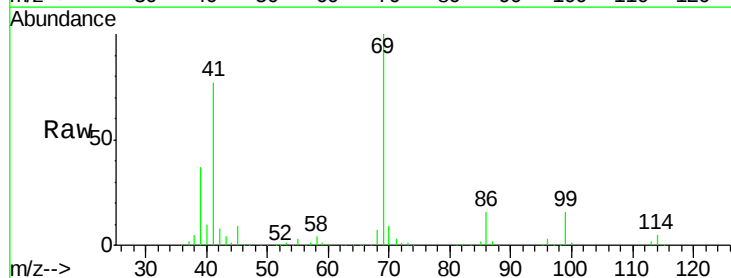
Manual Integrations
 APPROVED

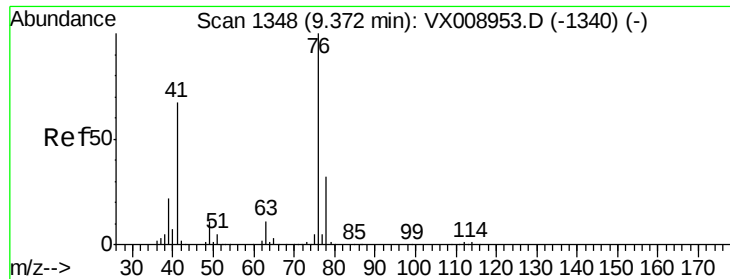
MMDadoda
 4/25/2019 12:34:21 PM



#56
 Ethyl methacrylate
 Concen: 20.679 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Tgt Ion:	69	Resp:	85025
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.2	90.2
39	36.0	27.9	41.9





#57

1,3-Dichloropropane

Concen: 21.188 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 76 Resp: 86509

Ion Ratio Lower Upper

76 100

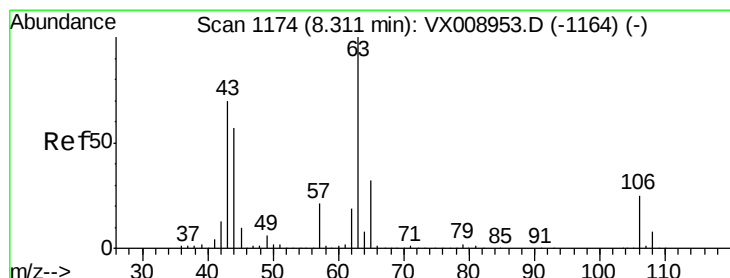
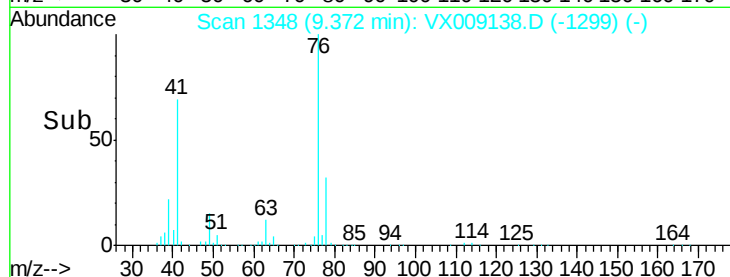
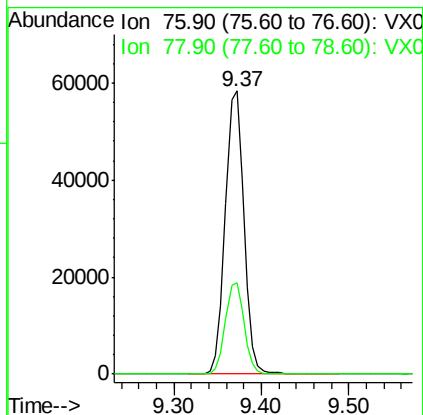
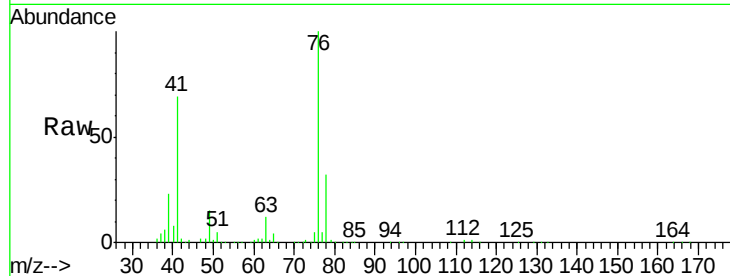
78 32.5 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.309 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009138.D

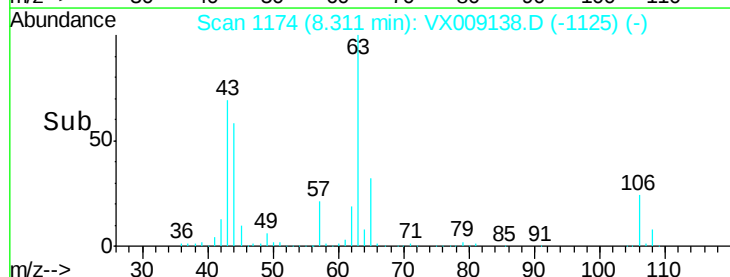
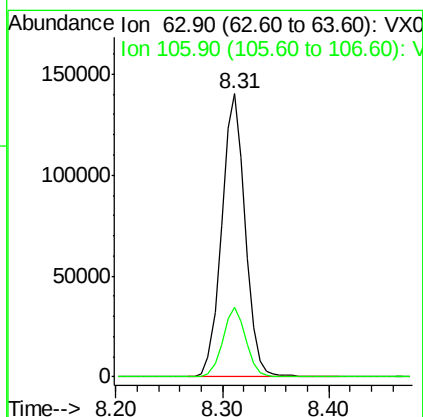
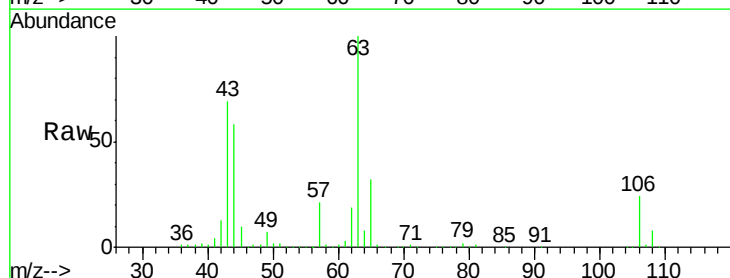
Acq: 24 Apr 2019 12:27

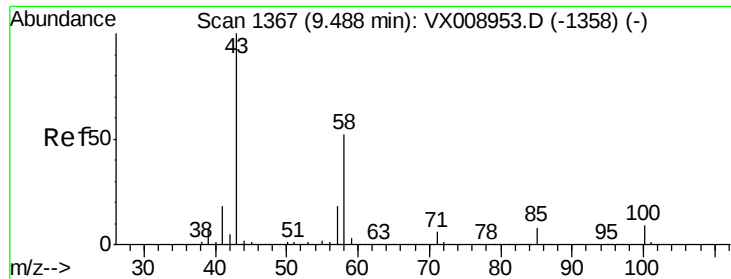
Tgt Ion: 63 Resp: 215460

Ion Ratio Lower Upper

63 100

106 24.1 19.8 29.6





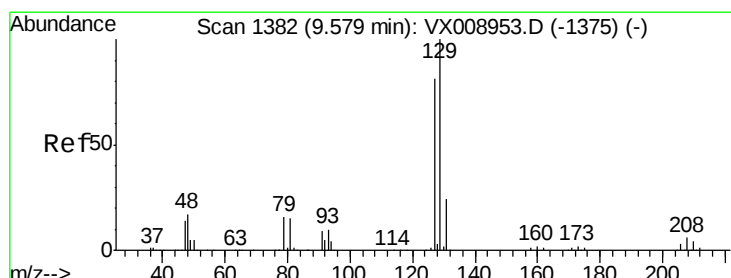
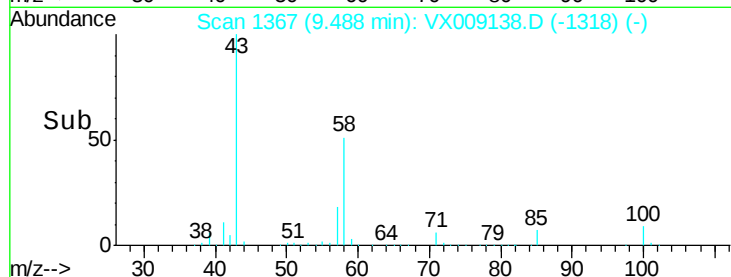
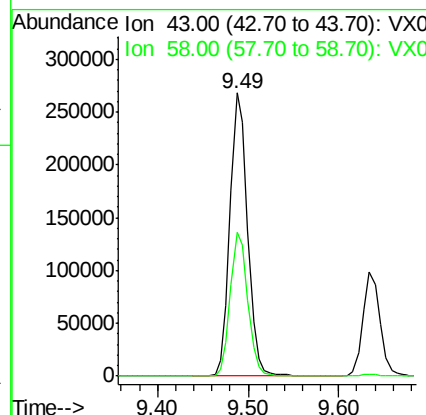
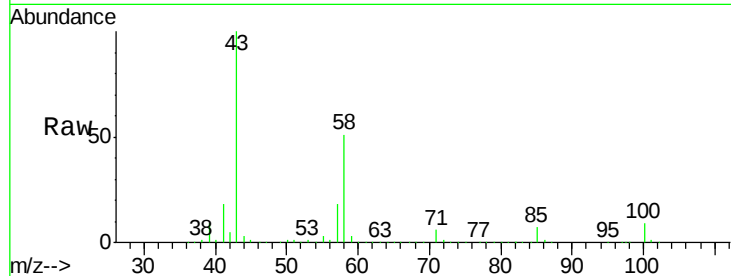
#59
2-Hexanone
Concen: 108.624 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion: 43 Resp: 362051
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.8

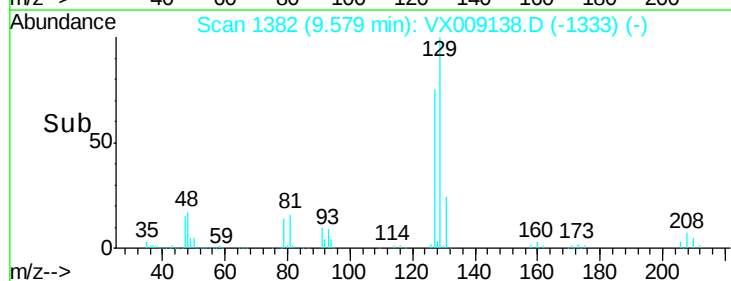
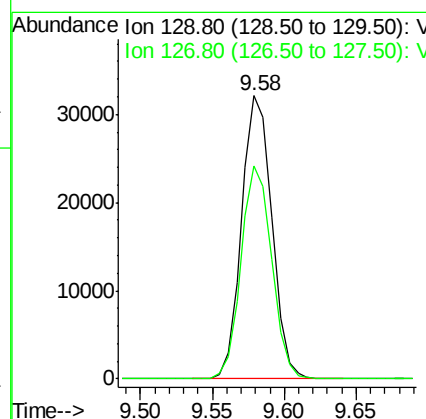
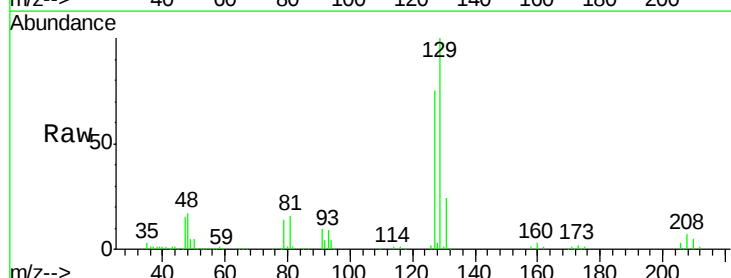
Manual Integrations
APPROVED

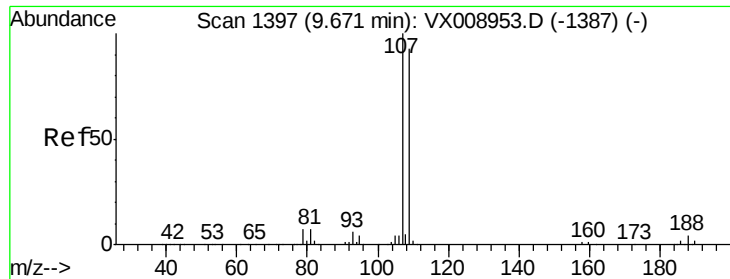
MMDadoda
4/25/2019 12:34:21 PM



#60
Dibromochloromethane
Concen: 21.384 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion:129 Resp: 46997
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.094 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion:107 Resp: 49923

Ion Ratio Lower Upper

107 100

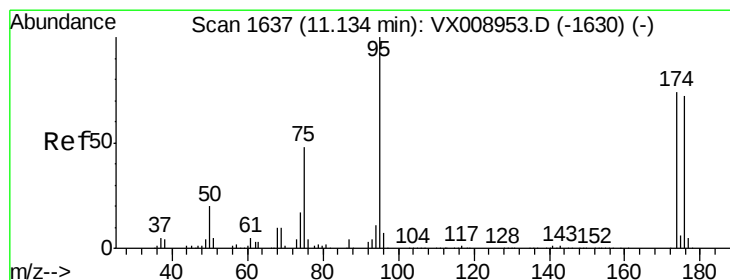
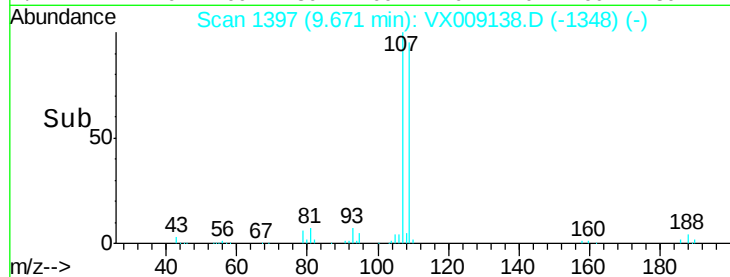
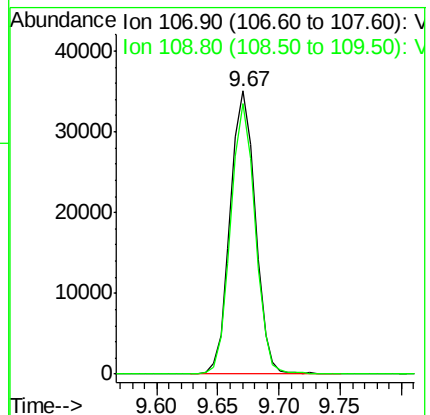
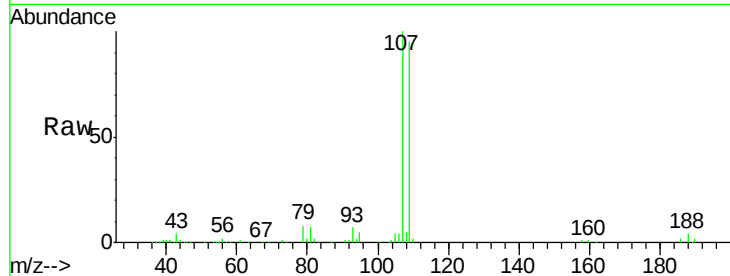
109 92.8 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#62

4-Bromofluorobenzene

Concen: 46.958 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

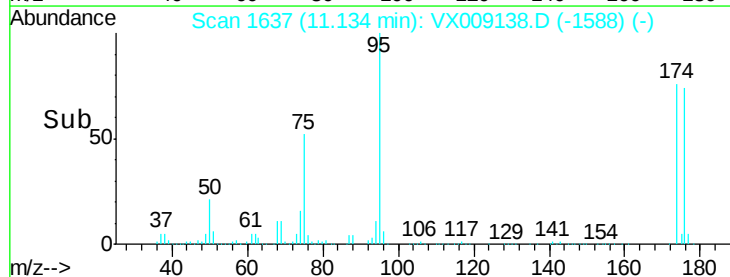
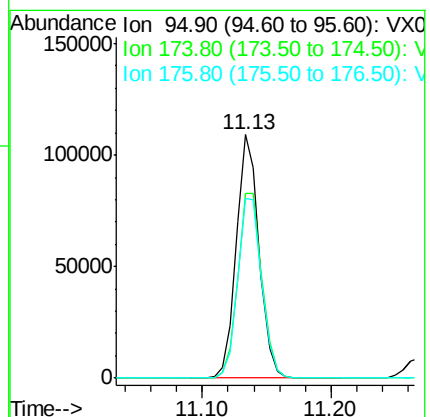
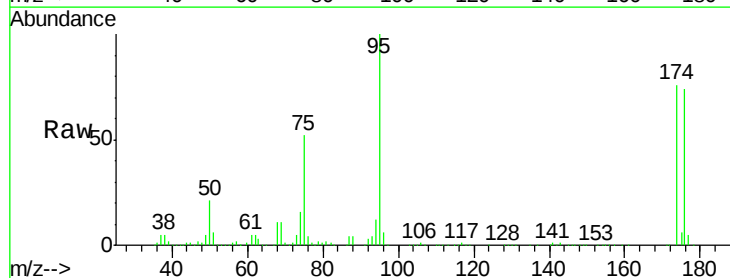
Tgt Ion: 95 Resp: 134245

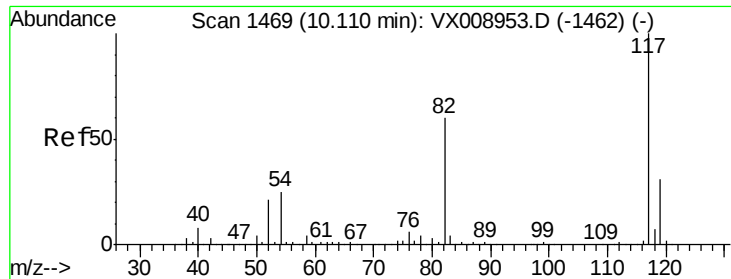
Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.6

176 78.1 0.0 154.8





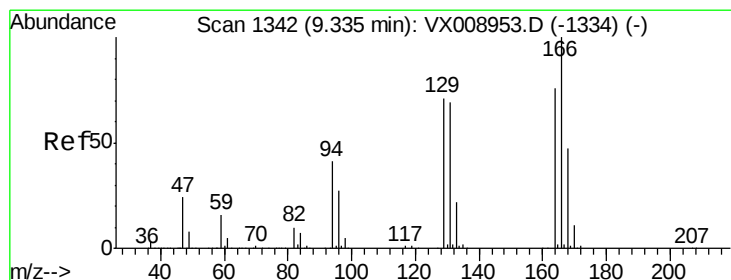
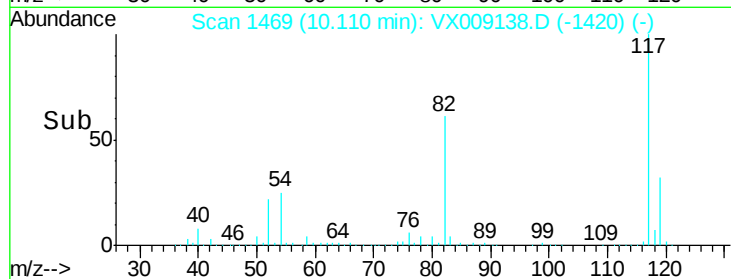
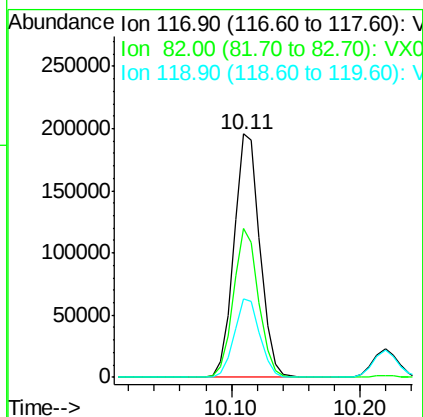
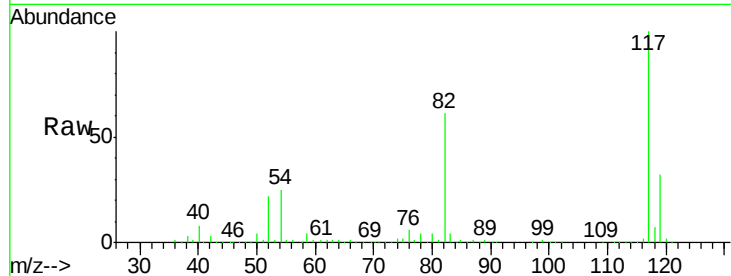
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.2	72.4
119	32.2	25.0	37.6

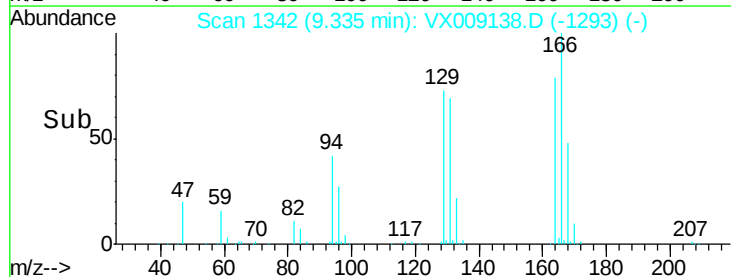
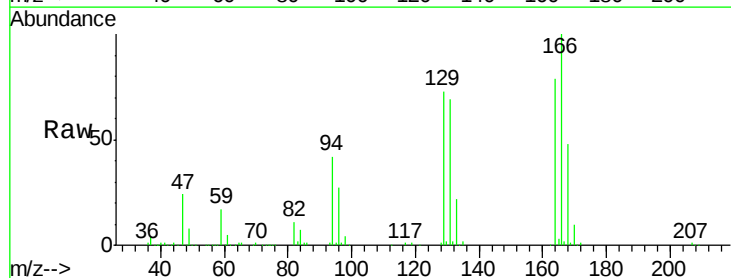
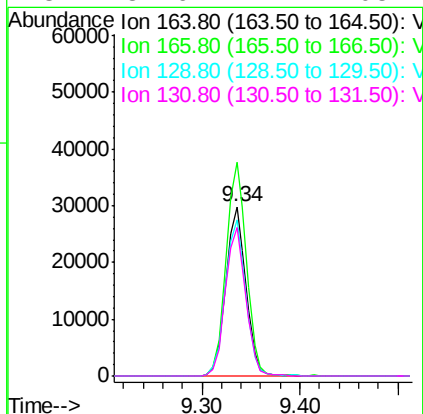
Manual Integrations
APPROVED

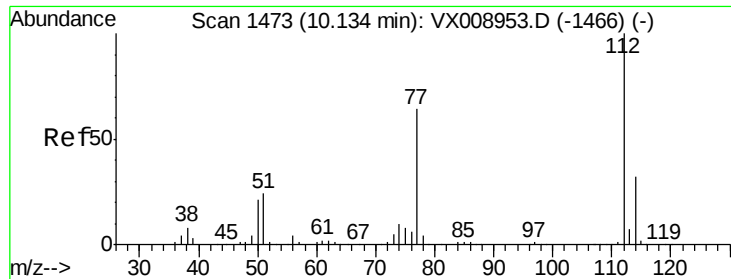
MMDadoda
4/25/2019 12:34:21 PM



#64
Tetrachloroethene
Concen: 20.481 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	105.0	157.4
129	92.4	74.2	111.4
131	87.6	72.2	108.2





#65

Chlorobenzene

Concen: 20.530 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion:112 Resp: 118284

Ion Ratio Lower Upper

112 100

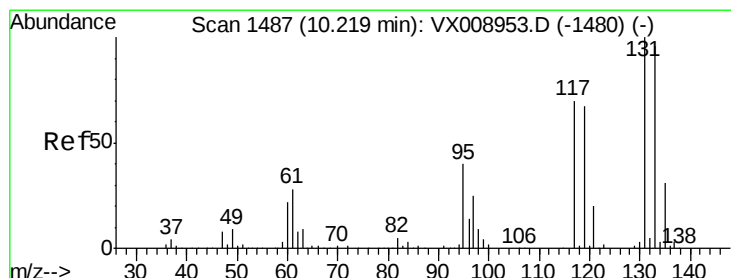
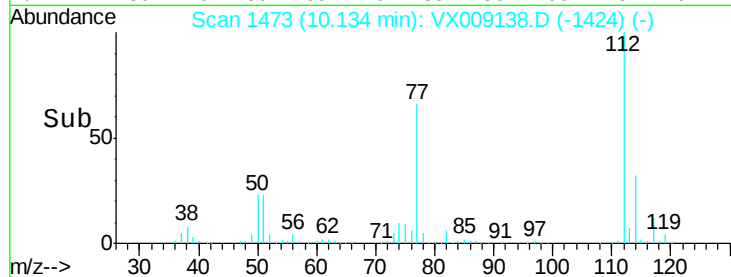
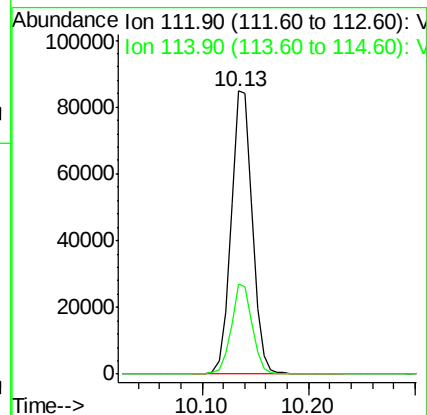
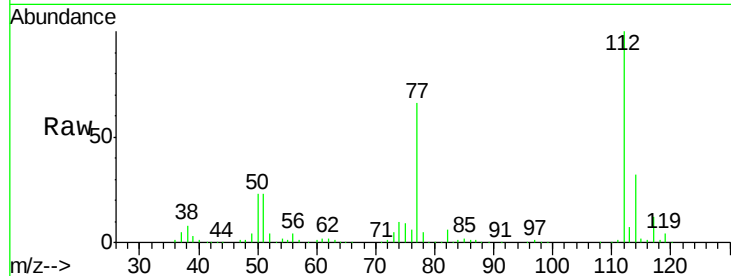
114 32.0 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.305 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

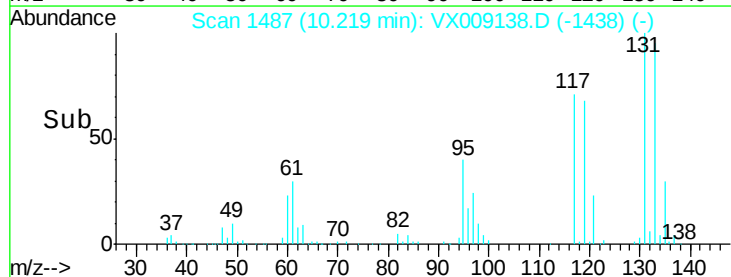
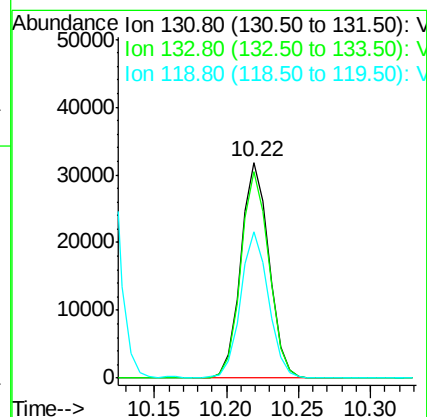
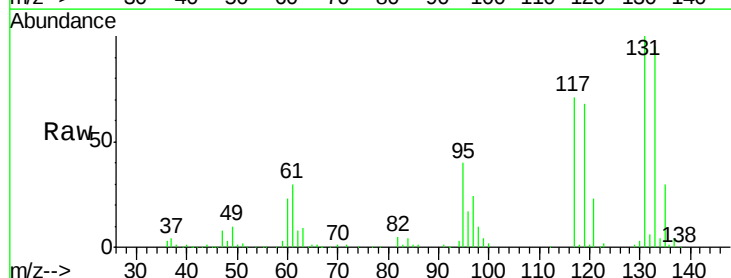
Tgt Ion:131 Resp: 43242

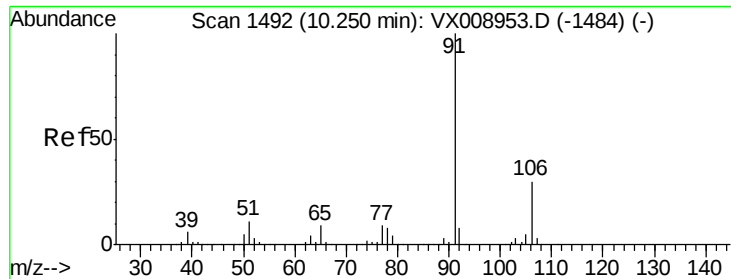
Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.2

119 67.5 33.7 101.1





#67

Ethyl Benzene

Concen: 20.891 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleID :

VX0424WBSD01

Tot Ion: 91 Resp: 220028

Ion Ratio Lower Upper

91 100

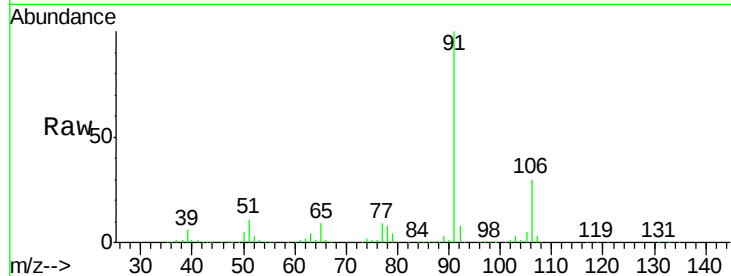
106 29.9 24.3 36.5

Manual Integrations

APPROVED

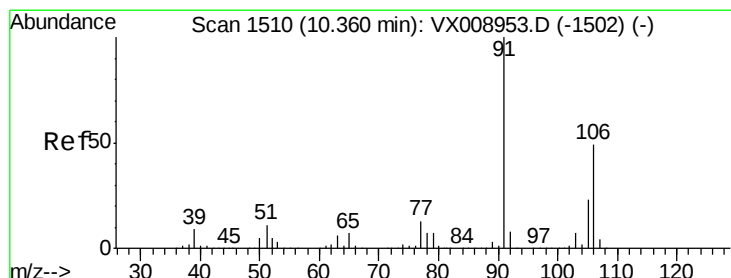
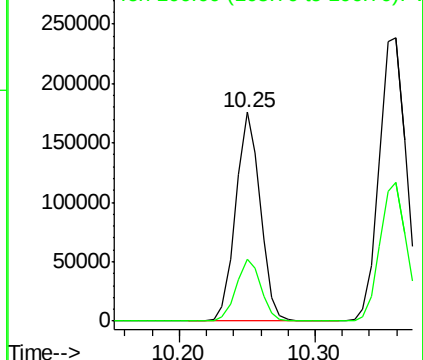
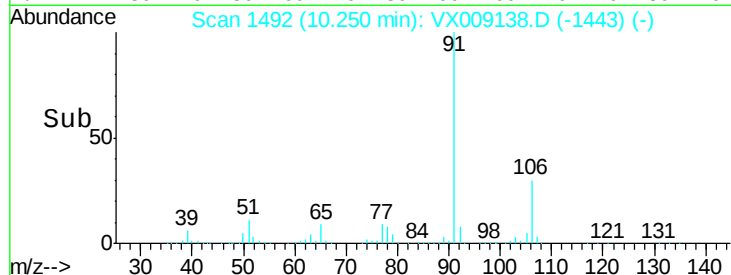
MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.545 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009138.D

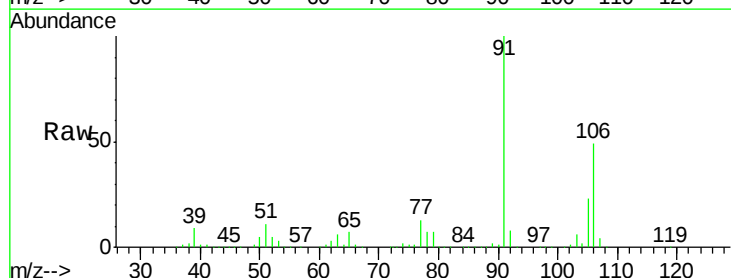
Acq: 24 Apr 2019 12:27

Tgt Ion: 106 Resp: 159021

Ion Ratio Lower Upper

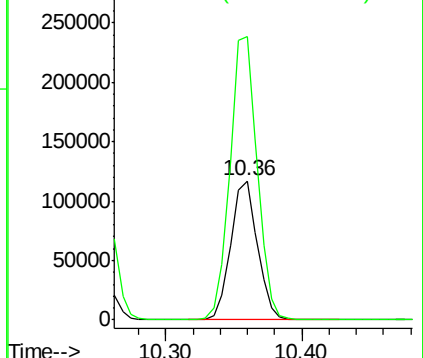
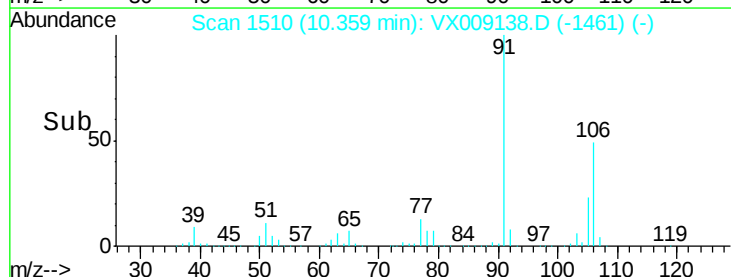
106 100

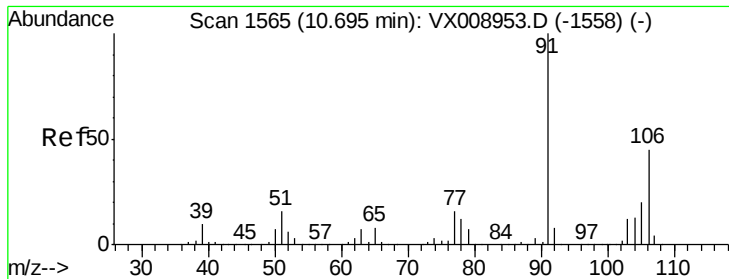
91 208.4 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





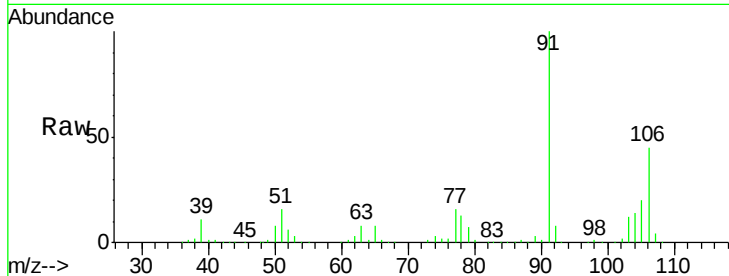
#69
o-Xylene
Concen: 20.924 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

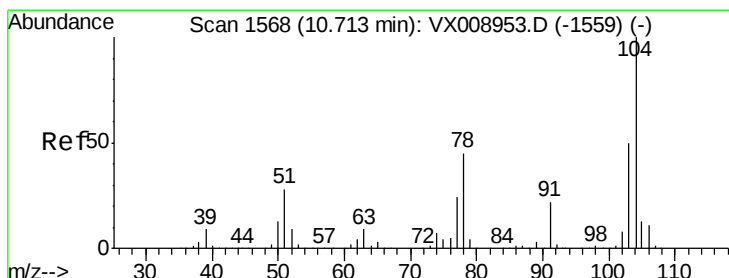
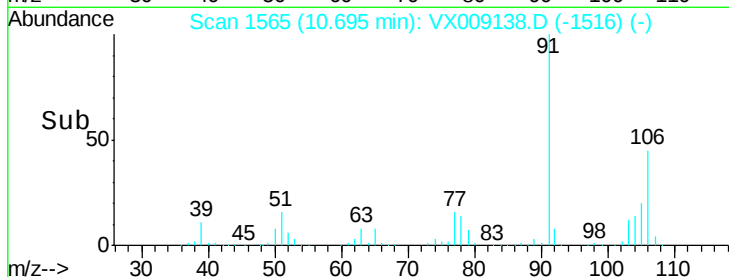
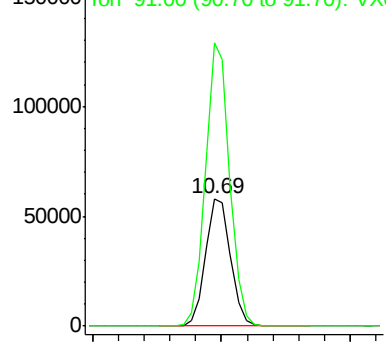
Tot Ion:106 Resp: 77928
Ion Ratio Lower Upper
106 100
91 215.9 108.9 326.7

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM

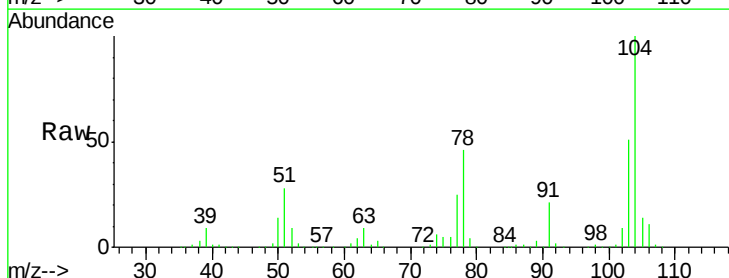


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

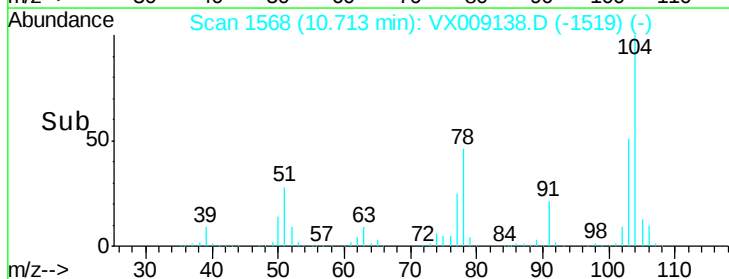
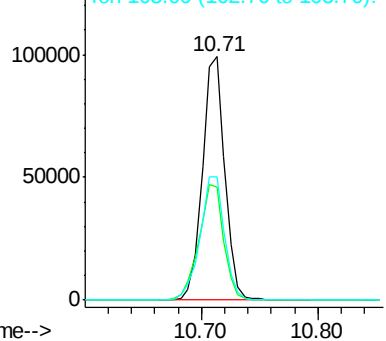


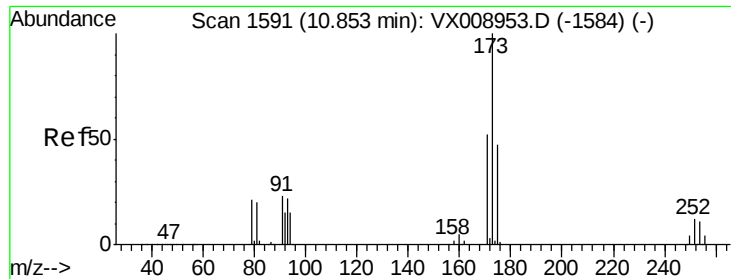
#70
Styrene
Concen: 20.577 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion:104 Resp: 132804
Ion Ratio Lower Upper
104 100
78 52.8 41.2 61.8
103 55.5 43.9 65.9



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





#71

Bromoform

Concen: 20.892 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion:173 Resp: 33782

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

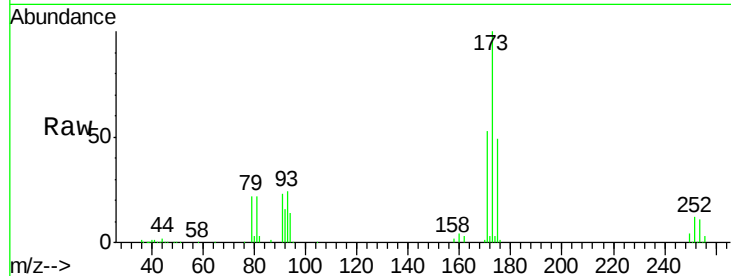
254 0.1 0.2 0.4#

Manual Integrations

APPROVED

MMDadoda

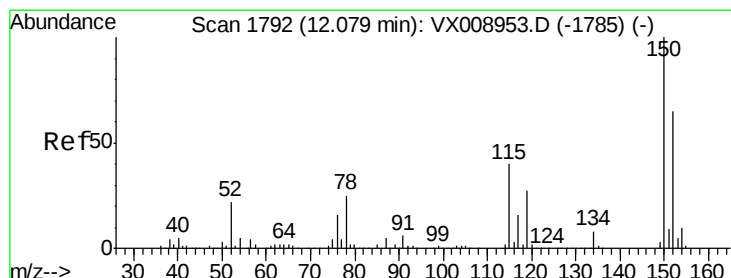
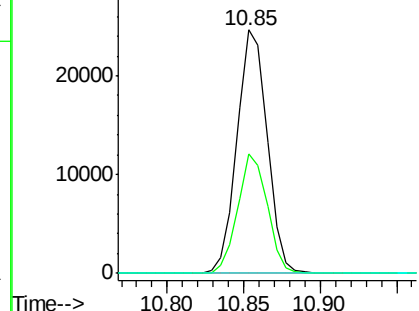
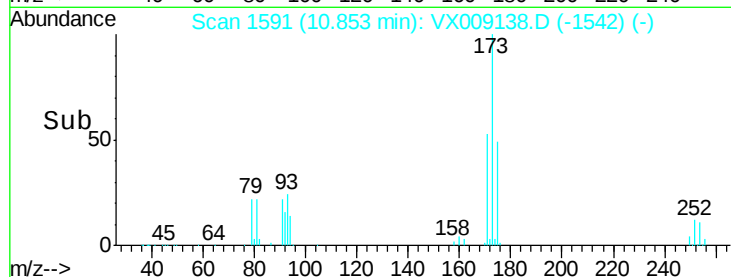
4/25/2019 12:34:21 PM



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: VX009138.D

Acq: 24 Apr 2019 12:27

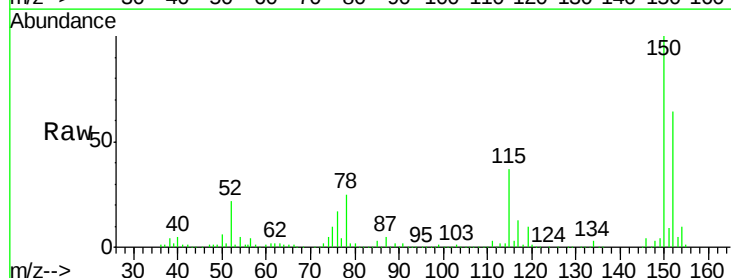
Tgt Ion:152 Resp: 127337

Ion Ratio Lower Upper

152 100

115 69.2 41.4 124.2

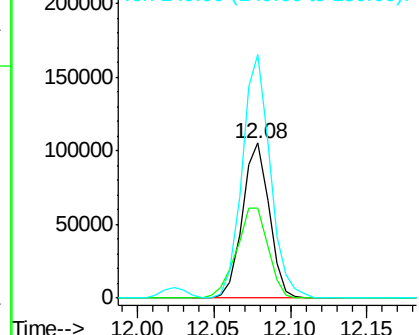
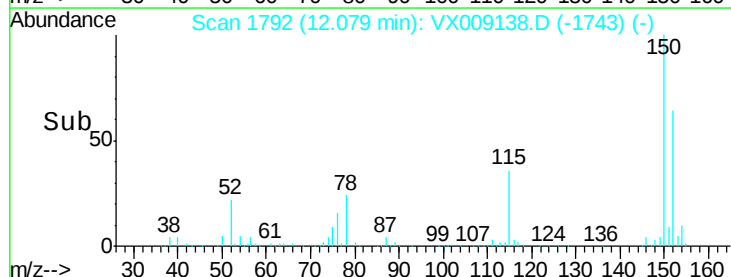
150 163.9 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.521 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 105 Resp: 207724

Ion Ratio Lower Upper

105 100

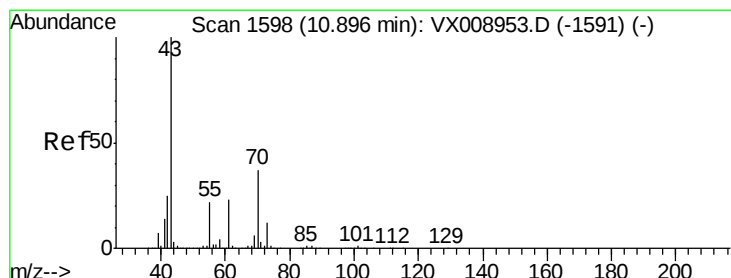
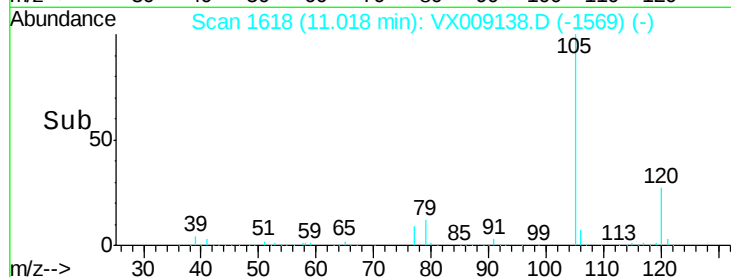
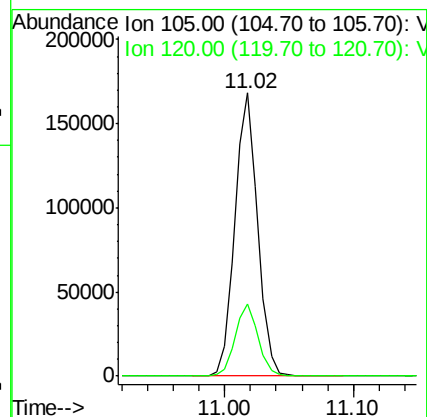
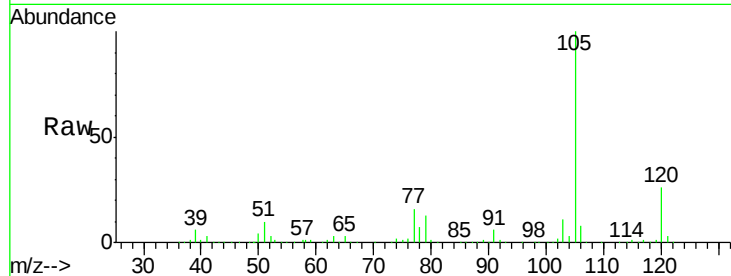
120 25.8 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#74

N-ethyl acetate

Concen: 21.552 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion: 43 Resp: 119441

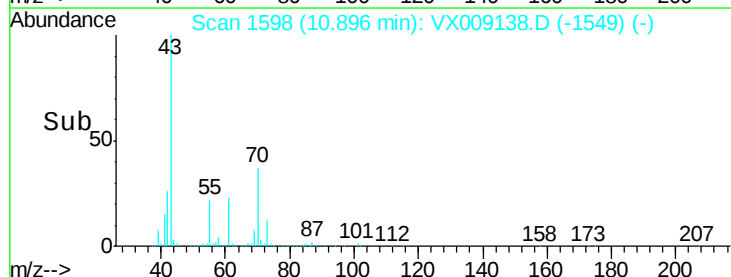
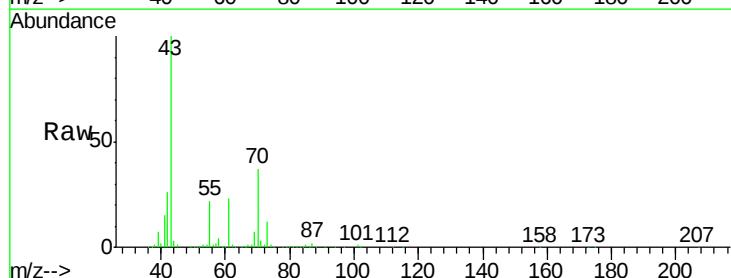
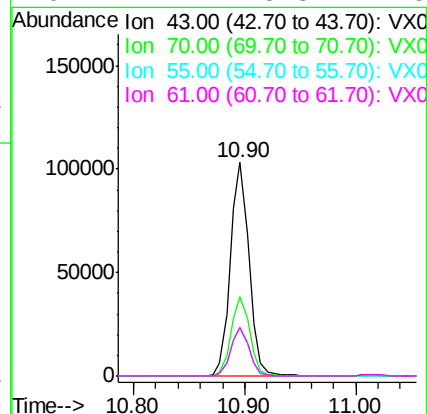
Ion Ratio Lower Upper

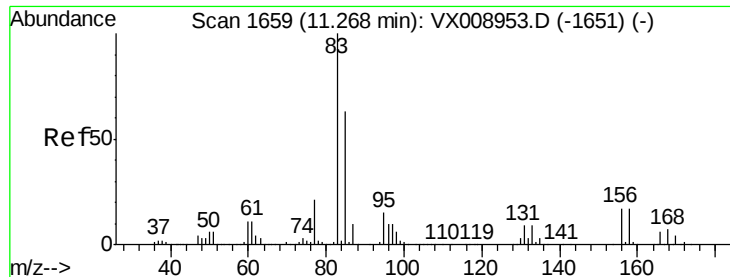
43 100

70 37.4 29.9 44.9

55 22.8 17.8 26.8

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.832 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

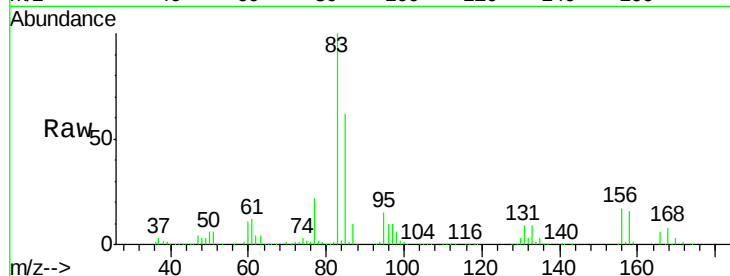
ClientSampleId :

VX0424WBSD01

Tot Ion:	83	Resp:	76995
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.0
85	64.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



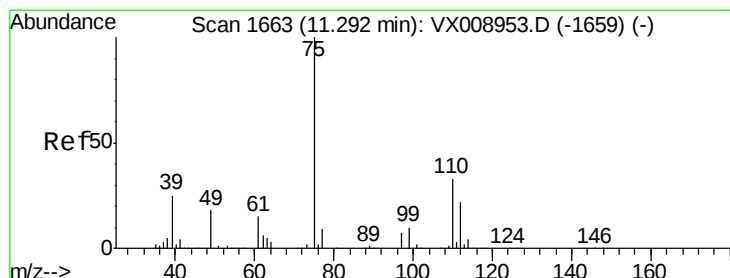
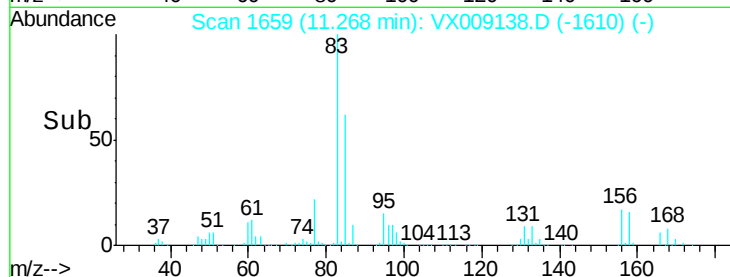
Abundance Ion 82.90 (82.60 to 83.60): VX008953.D (-1651) (-)

Ion 130.80 (130.50 to 131.50): VX008953.D (-1651) (-)

Ion 84.90 (84.60 to 85.60): VX008953.D (-1651) (-)

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.585 ug/l m

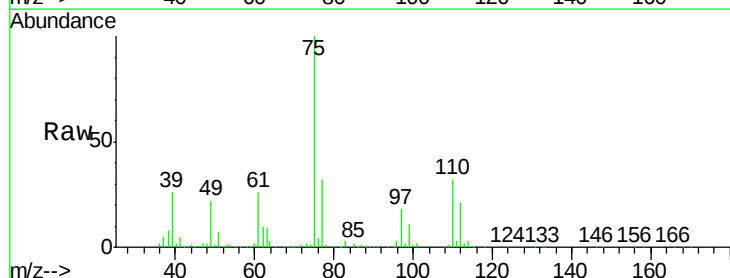
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Tgt Ion:	75	Resp:	67115
Ion Ratio	Lower	Upper	
75	100		
77	44.3	22.7	68.0

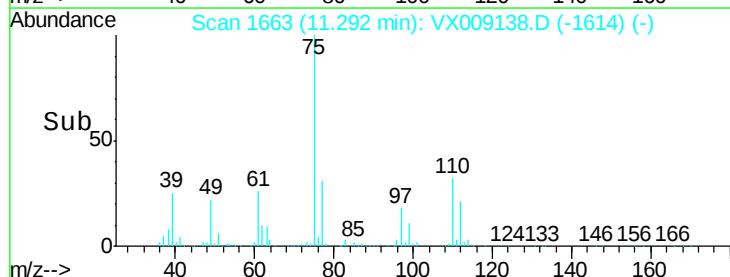


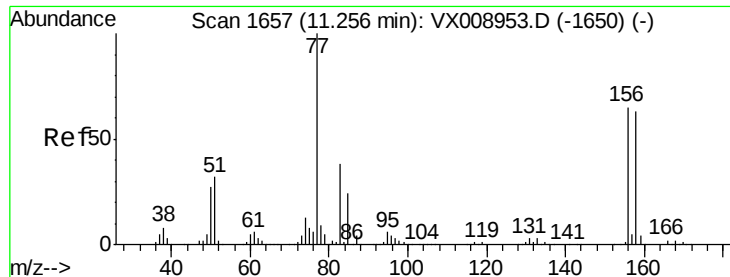
Abundance Ion 74.90 (74.60 to 75.60): VX008953.D (-1659) (-)

Ion 77.00 (76.70 to 77.70): VX008953.D (-1659) (-)

11.29

Time-->





#77

Bromobenzene

Concen: 20.689 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion:156 Resp: 50383

Ion Ratio Lower Upper

156 100

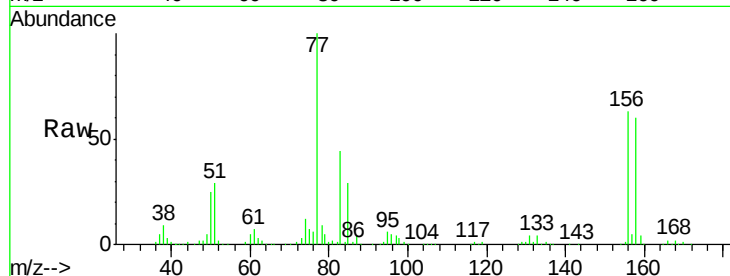
77 173.9 85.4 256.1

158 96.4 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

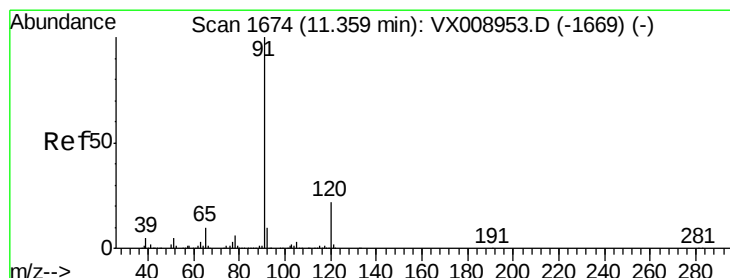
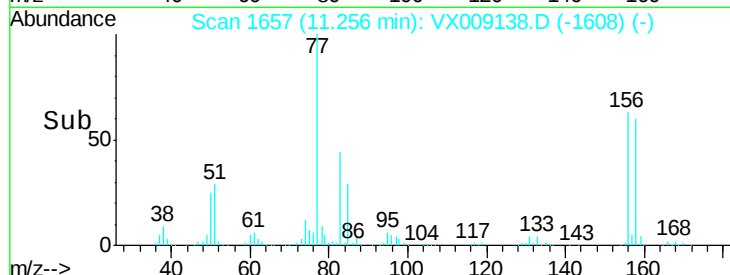
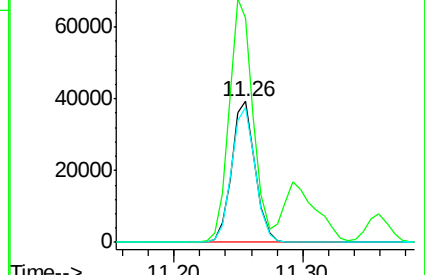
4/25/2019 12:34:21 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.324 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009138.D

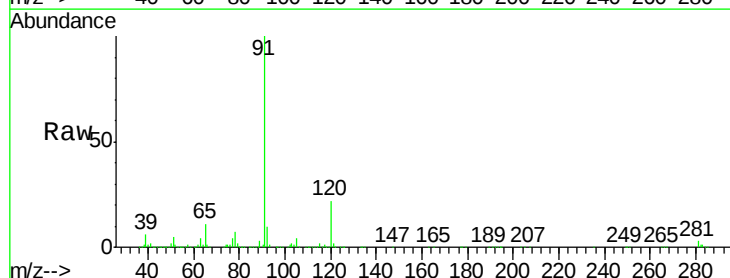
Acq: 24 Apr 2019 12:27

Tgt Ion: 91 Resp: 236233

Ion Ratio Lower Upper

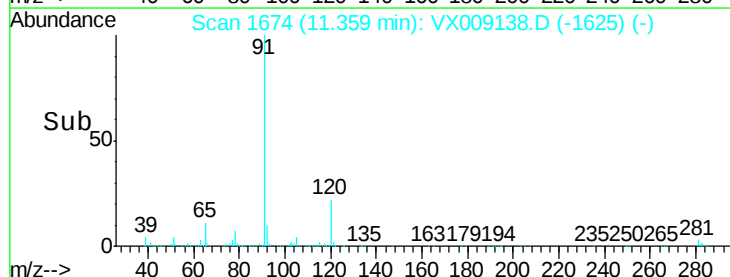
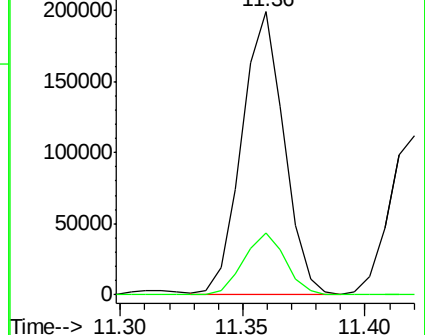
91 100

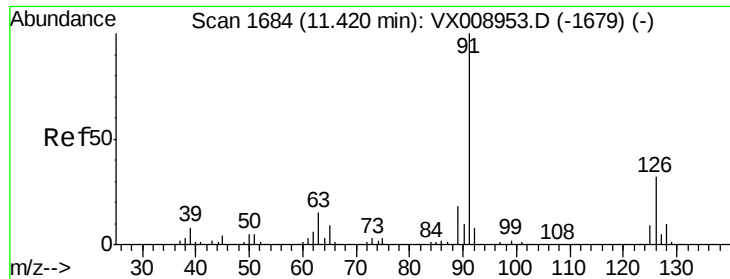
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.056 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 91 Resp: 140569

Ion Ratio Lower Upper

91 100

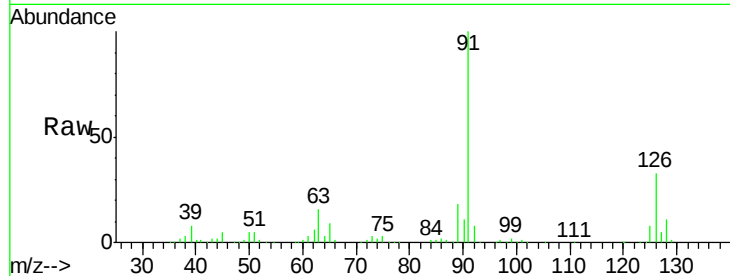
126 32.3 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

200000

150000

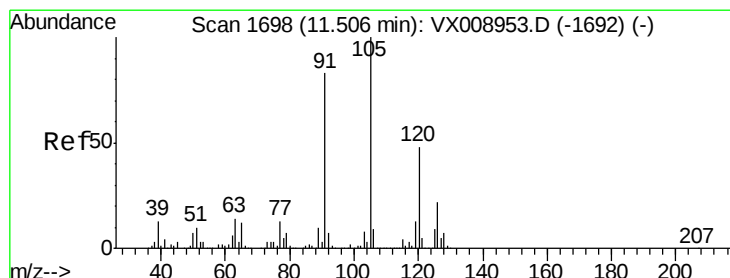
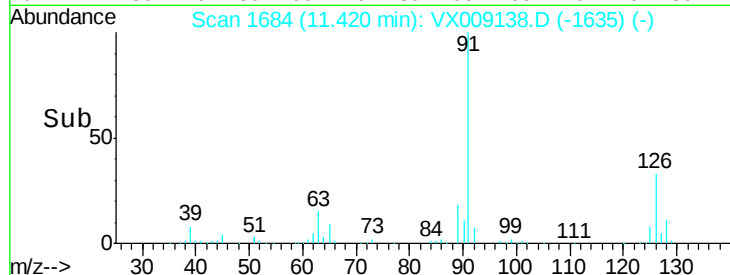
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.379 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009138.D

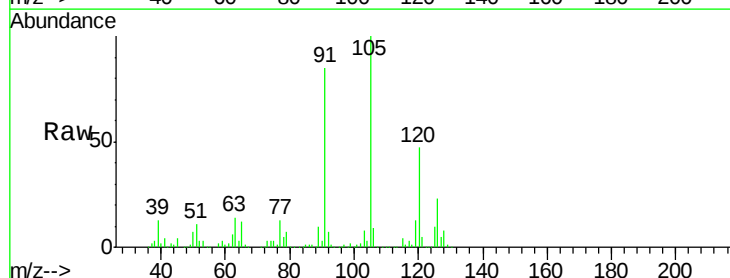
Acq: 24 Apr 2019 12:27

Tgt Ion:105 Resp: 173160

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

150000

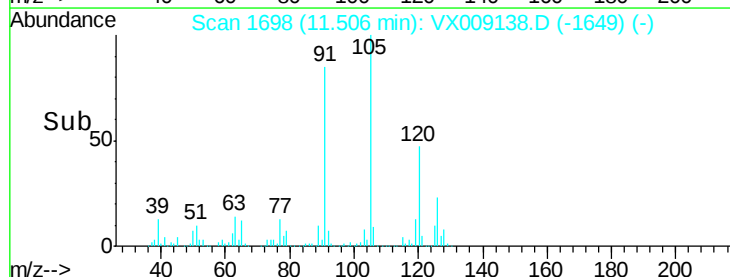
100000

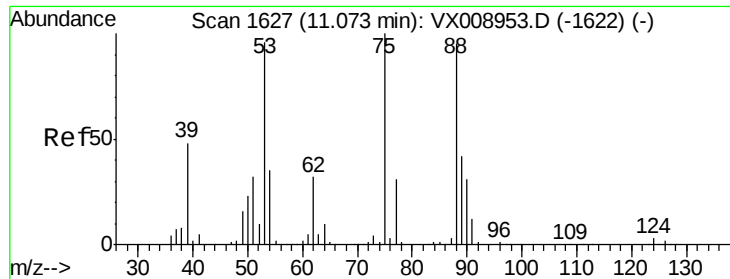
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.370 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion: 75 Resp: 24671

Ion Ratio Lower Upper

75 100

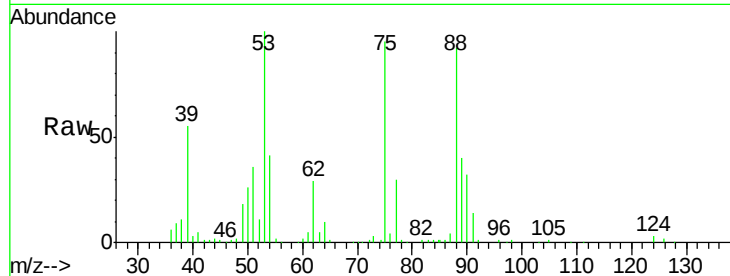
53 106.6 78.2 117.4

89 45.2 36.0 54.0

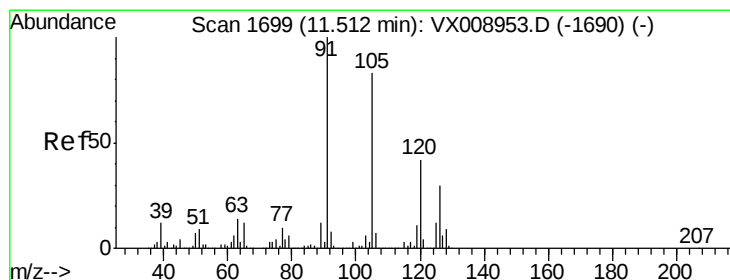
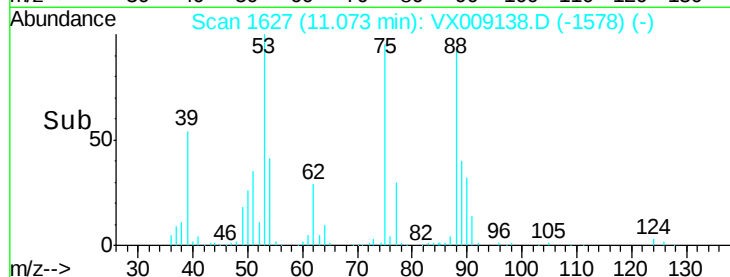
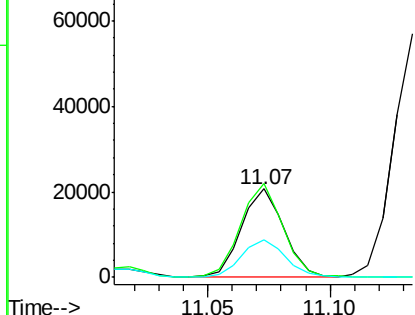
Manual Integrations
APPROVED

MMDadoda

4/25/2019 12:34:21 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.714 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009138.D

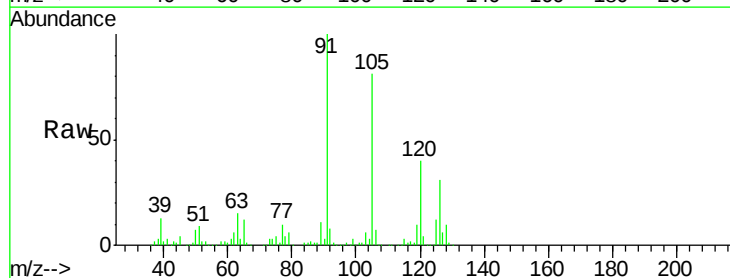
Acq: 24 Apr 2019 12:27

Tgt Ion: 91 Resp: 160597

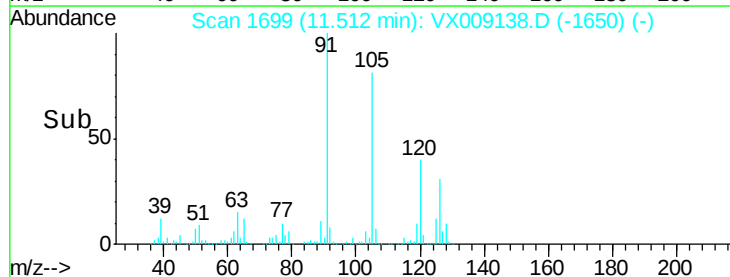
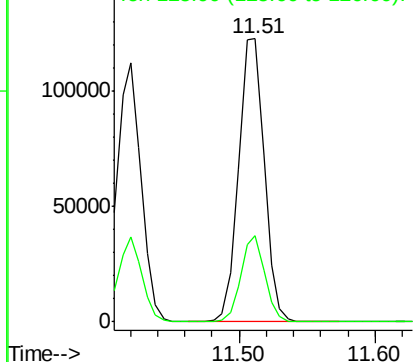
Ion Ratio Lower Upper

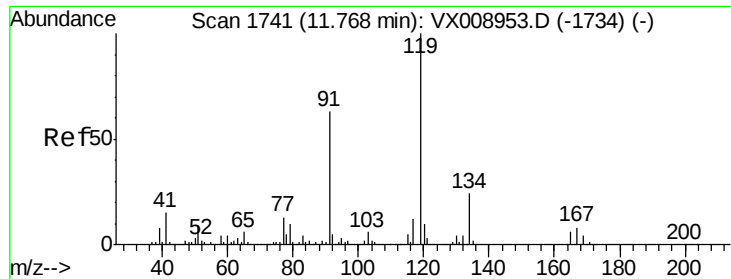
91 100

126 28.7 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





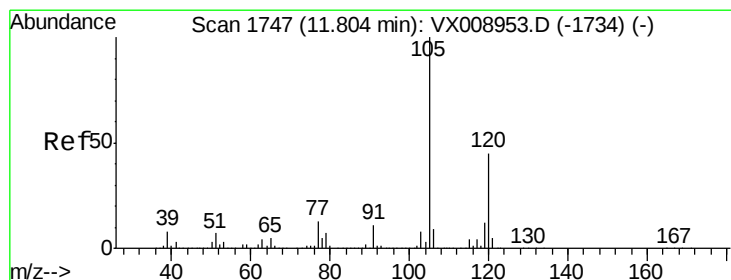
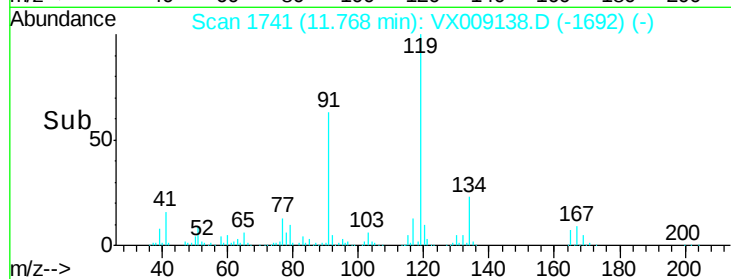
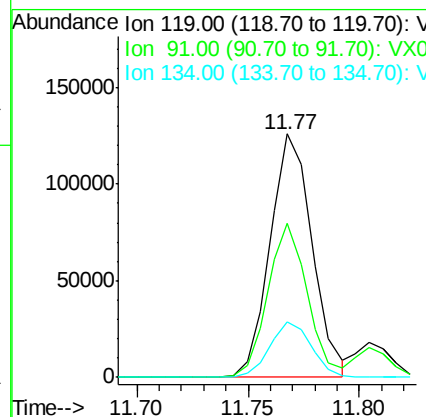
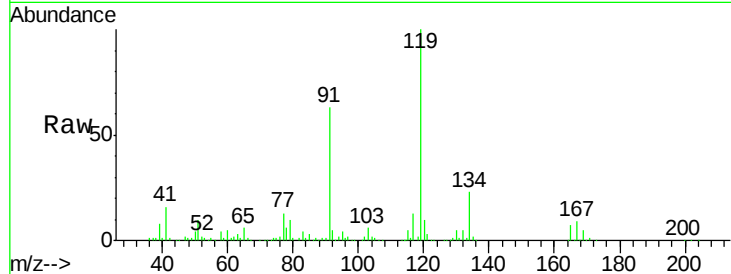
#83
tert-Butylbenzene
Concen: 21.288 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	165540		
91	59.3	29.7	89.1	
134	22.4	11.2	33.5	

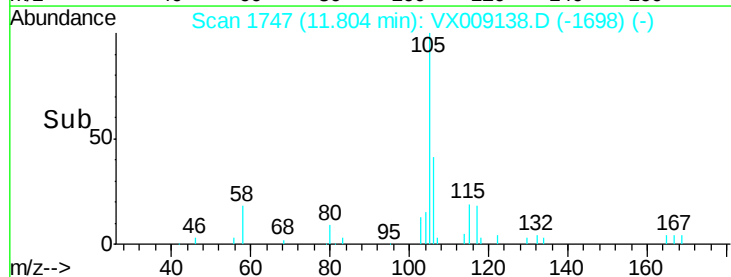
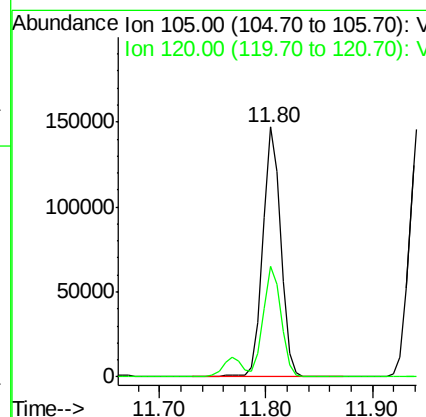
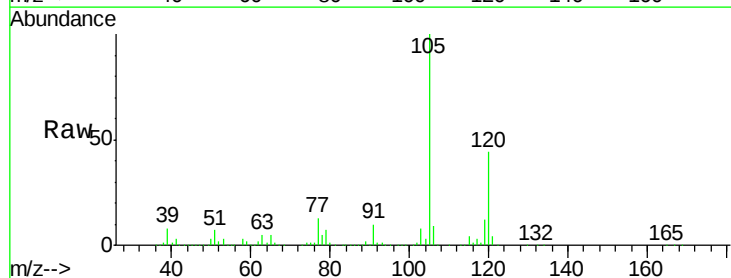
Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.189 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	174694		
120	43.9	21.9	65.8	





#85

sec-Butylbenzene

Concen: 21.359 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBSD01

Tot Ion:105 Resp: 198097

Ion Ratio Lower Upper

105 100

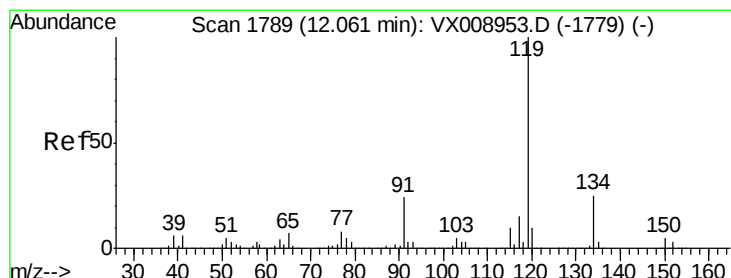
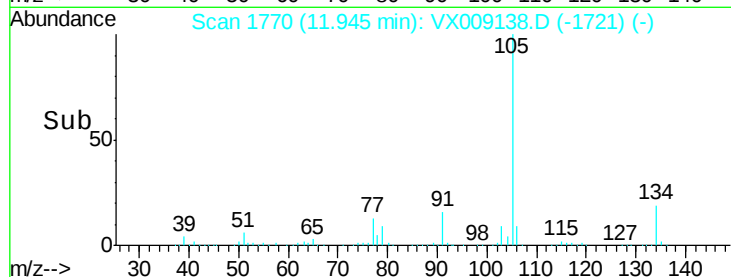
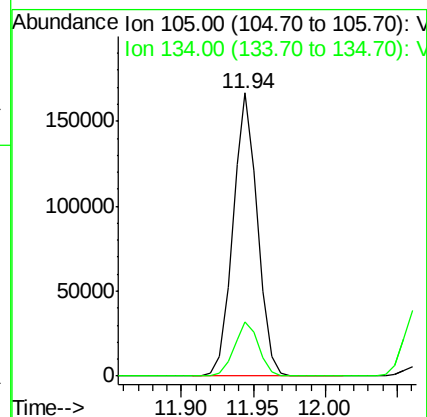
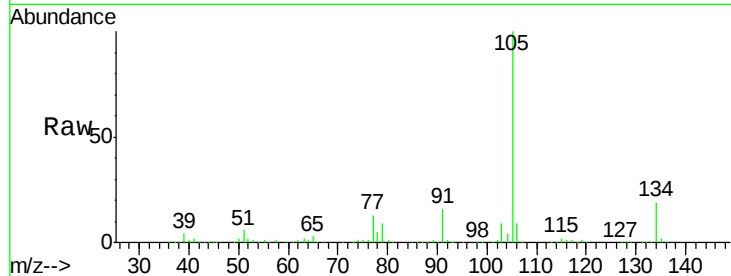
134 19.3 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:21 PM



#86

p-Isopropyltoluene

Concen: 20.985 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009138.D

Acq: 24 Apr 2019 12:27

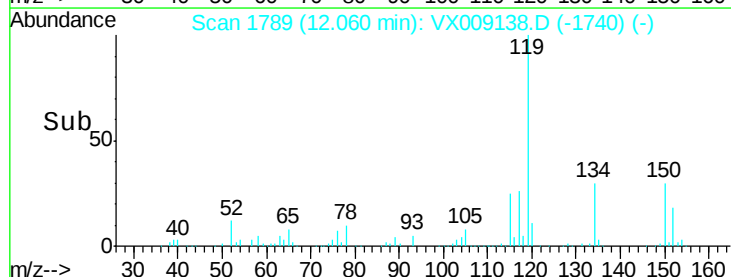
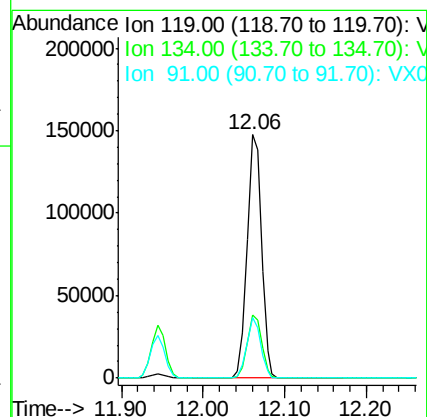
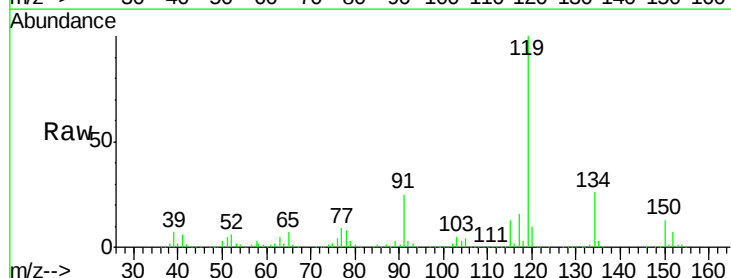
Tgt Ion:119 Resp: 178937

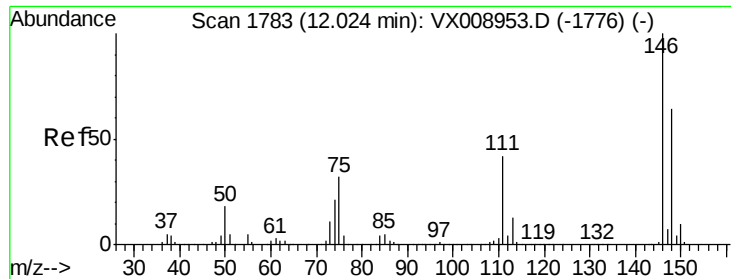
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 23.7 11.9 35.5





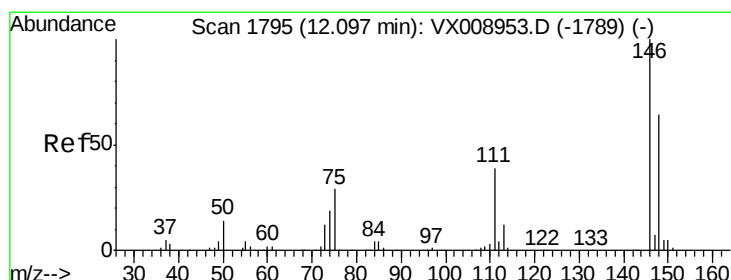
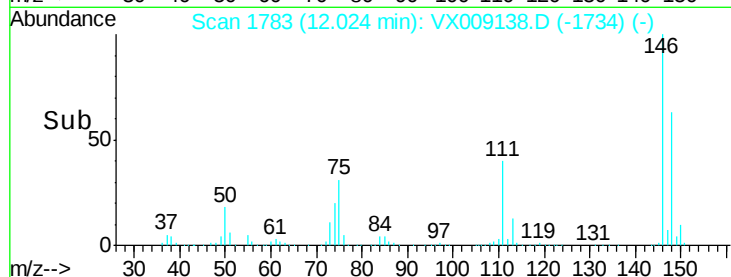
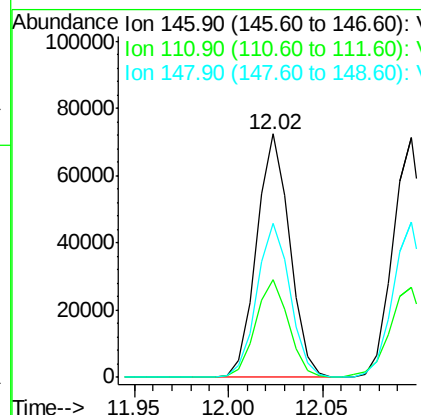
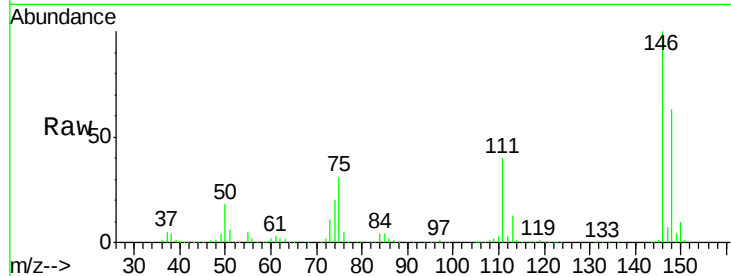
#87
 1,3-Dichlorobenzene
 Concen: 20.629 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.7	32.2	96.6

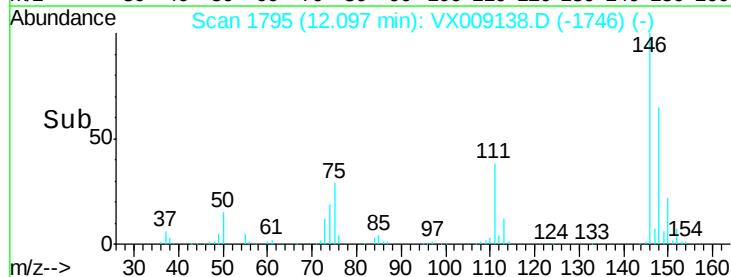
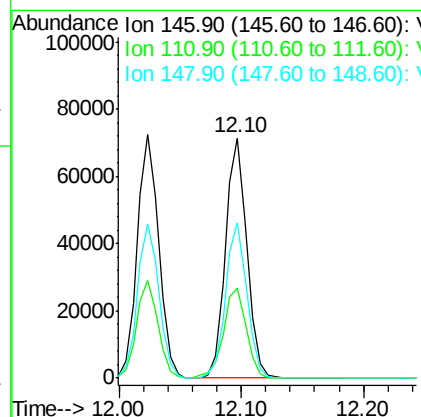
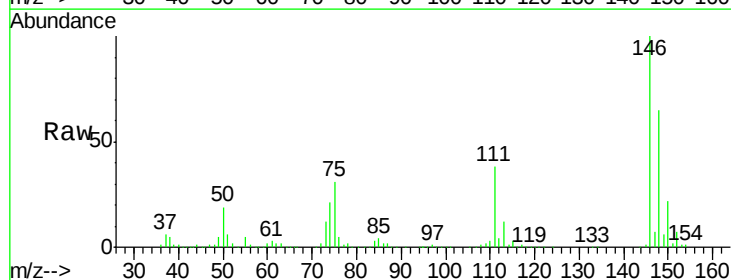
Manual Integrations
 APPROVED

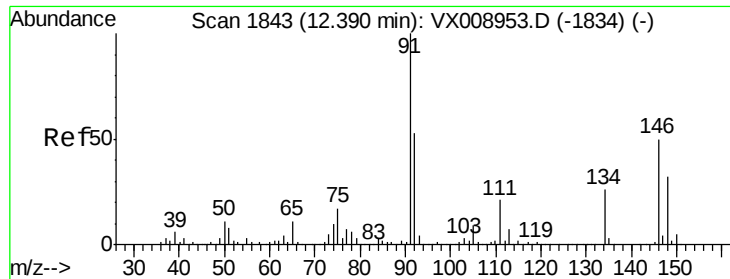
MMDadoda
 4/25/2019 12:34:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.091 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009138.D
 Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	65.0	32.2	96.6





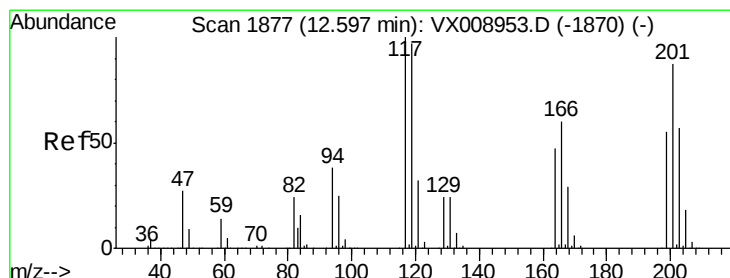
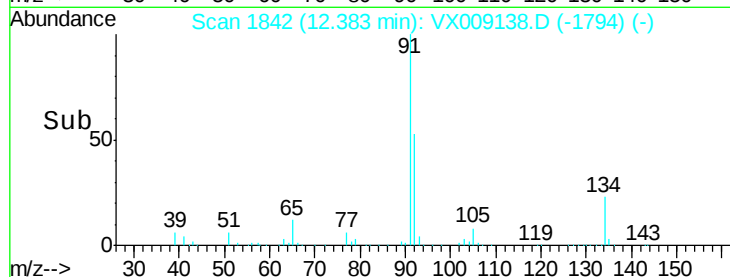
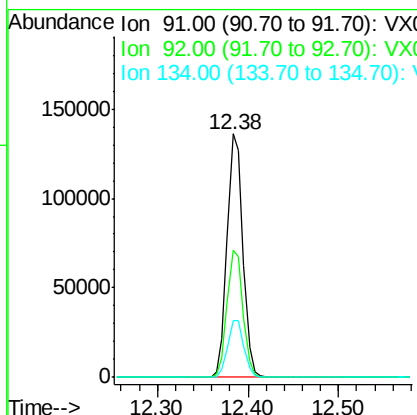
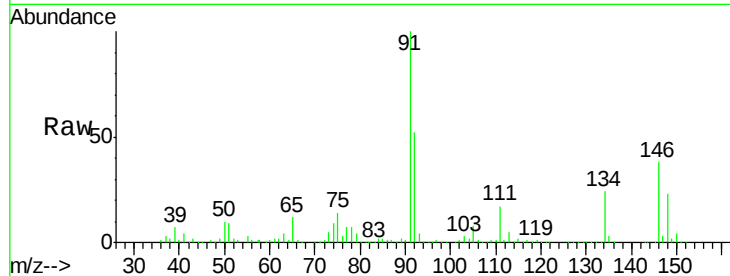
#89
n-Butylbenzene
Concen: 20.733 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.8
134	24.2	12.4	37.2

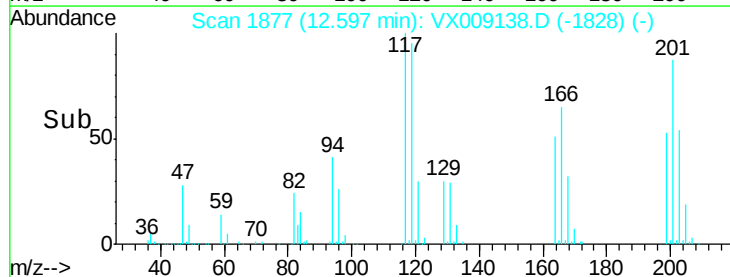
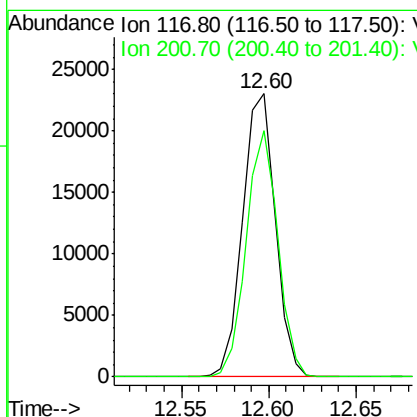
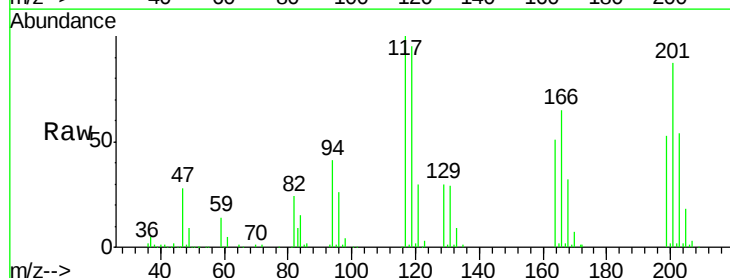
Manual Integrations
APPROVED

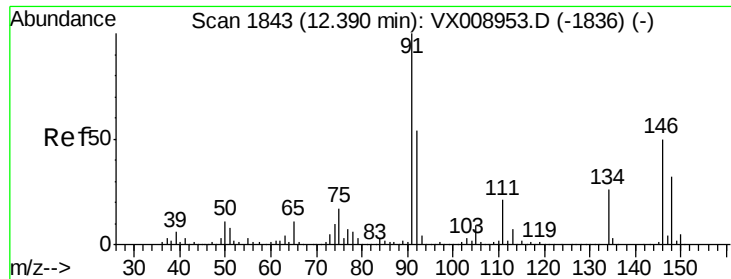
MMDadoda
4/25/2019 12:34:21 PM



#90
Hexachloroethane
Concen: 21.318 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	43.0	129.0





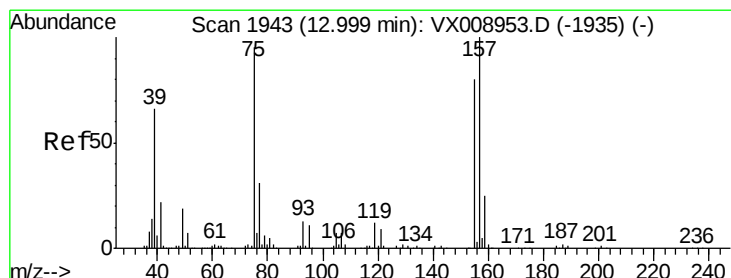
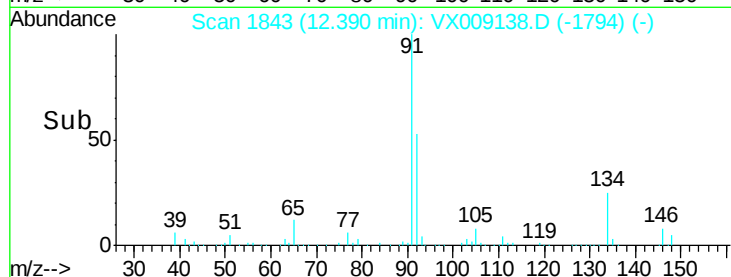
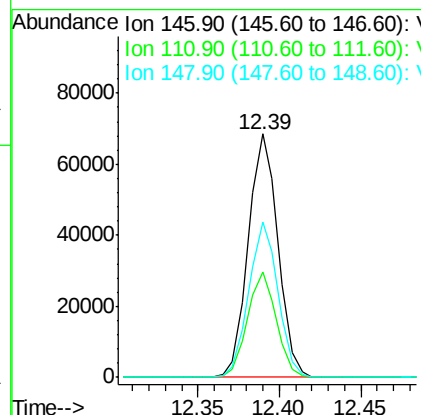
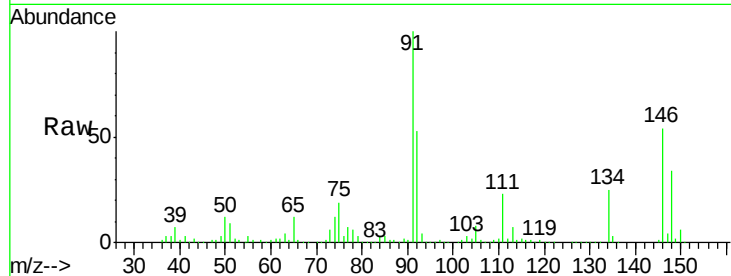
#91
1,2-Dichlorobenzene
Concen: 20.673 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.9
148	62.9	32.0	96.2

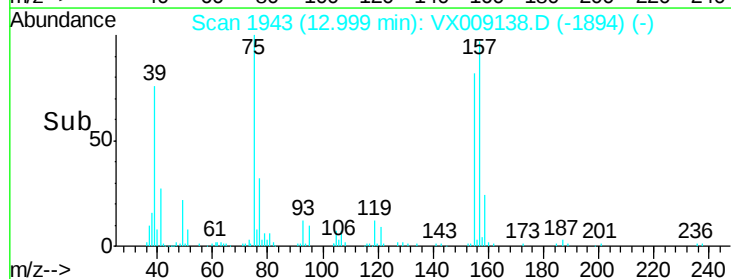
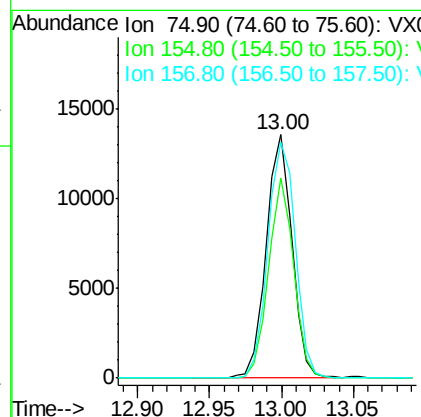
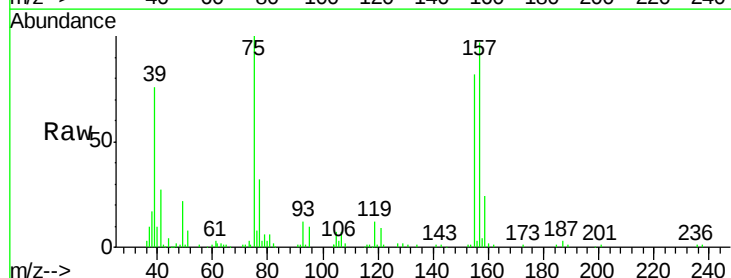
Manual Integrations
APPROVED

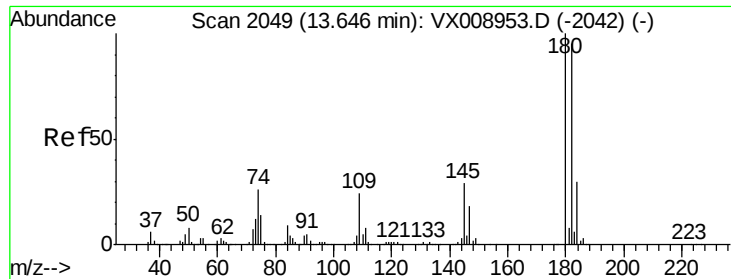
MMDadoda
4/25/2019 12:34:21 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.822 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	41.2	123.6
157	103.7	52.5	157.6





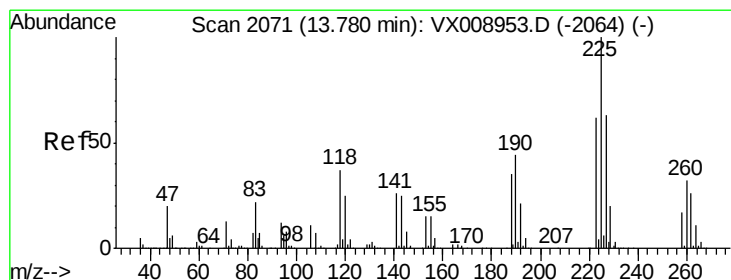
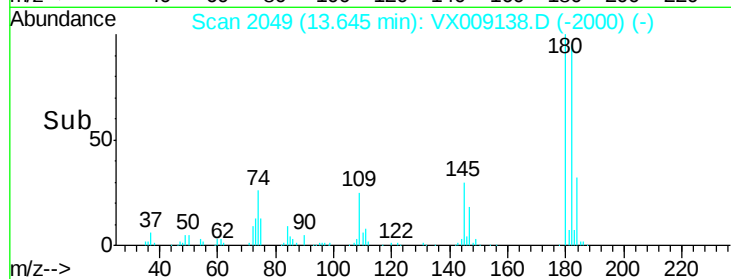
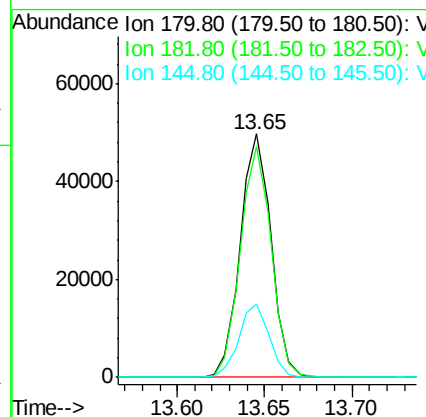
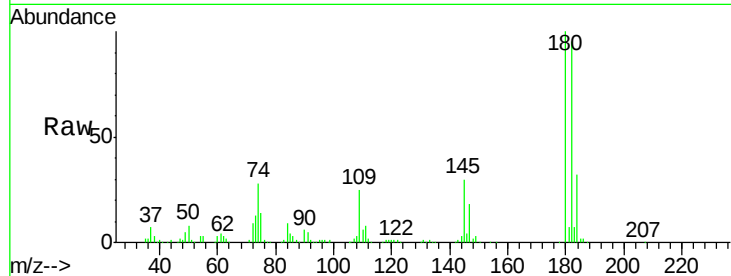
#93
1,2,4-Trichlorobenzene
Concen: 20.001 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60768		
182	95.2	47.6	142.9	
145	29.8	14.8	44.4	

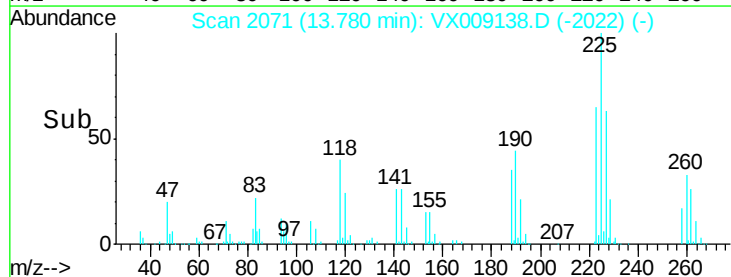
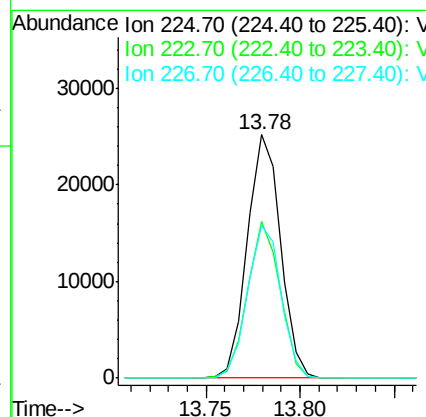
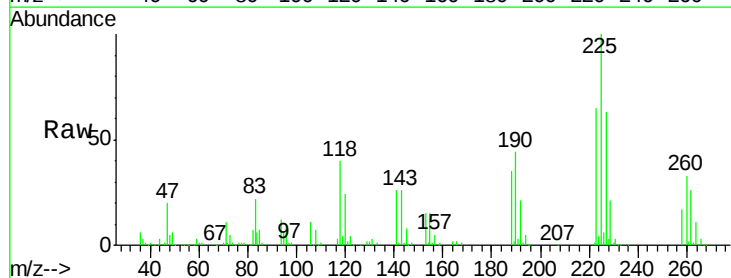
Manual Integrations
APPROVED

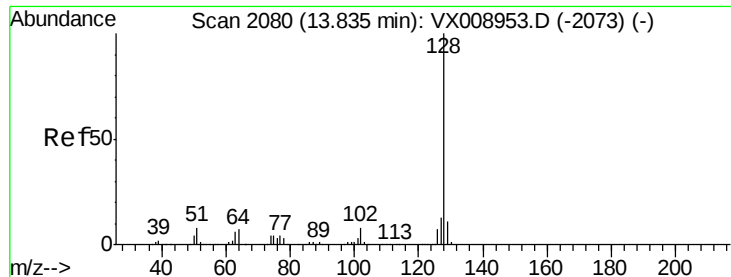
MMDadoda
4/25/2019 12:34:21 PM



#94
Hexachlorobutadiene
Concen: 20.327 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30802		
223	62.9	31.1	93.2	
227	63.6	32.0	96.2	





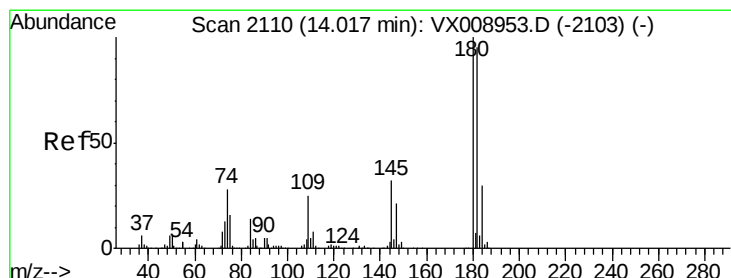
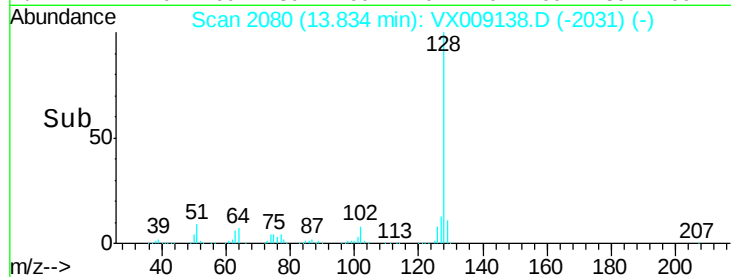
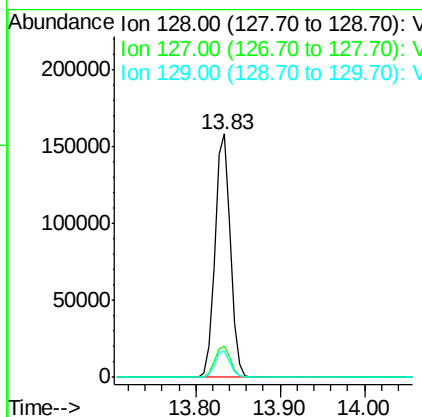
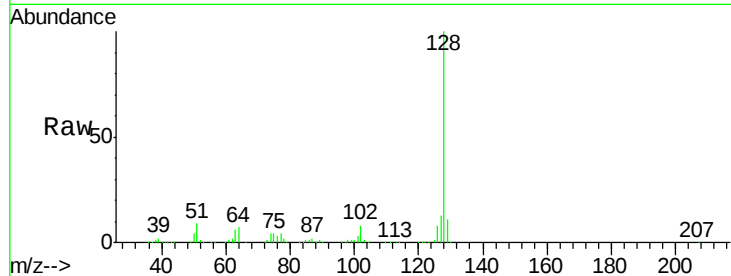
#95
Naphthalene
Concen: 20.594 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	200460		
127	12.9		10.6	16.0
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.291 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009138.D
Acq: 24 Apr 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60826		
182	96.5		47.8	143.4
145	31.5		15.8	47.3

