

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007971.D
 Acq On : 11 Mar 2019 15:50
 Operator : JC/SP
 Sample : VX0311WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:42 PM

Quant Time: Mar 12 08:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	266517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127618	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	5.50	113	113854	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	8.71	98	428591	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.13	95	153817	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43764	19.220	ug/l	99
3) Chloromethane	1.33	50	54239	18.484	ug/l	99
4) Vinyl Chloride	1.41	62	56620	19.419	ug/l	100
5) Bromomethane	1.64	94	30870	21.929	ug/l	97
6) Chloroethane	1.73	64	40956	21.145	ug/l	100
7) Trichlorofluoromethane	1.93	101	75541	19.900	ug/l	99
8) Diethyl Ether	2.19	74	32010	19.473	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48515	20.624	ug/l	98
10) Methyl Iodide	2.51	142	63359	18.985	ug/l	99
11) Tert butyl alcohol	3.06	59	62093	98.757	ug/l	99
12) 1,1-Dichloroethene	2.38	96	44907	19.804	ug/l	96
13) Acrolein	2.29	56	32240	91.592	ug/l	99
14) Allyl chloride	2.73	41	89780	18.842	ug/l	99
15) Acrylonitrile	3.15	53	151050	95.179	ug/l	100
16) Acetone	2.45	43	140967	86.626	ug/l	100
17) Carbon Disulfide	2.57	76	134291	19.226	ug/l	100
18) Methyl Acetate	2.78	43	68736	19.882	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	156438	20.054	ug/l	99
20) Methylene Chloride	2.86	84	50682	19.569	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	49052	19.660	ug/l	97
22) Diisopropyl ether	3.87	45	166443	19.056	ug/l	97
23) Vinyl Acetate	3.82	43	722050	94.269	ug/l	99
24) 1,1-Dichloroethane	3.70	63	94291	20.060	ug/l	100
25) 2-Butanone	4.70	43	207882	90.232	ug/l	100
26) 2,2-Dichloropropane	4.59	77	60968	19.578	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	54929	19.239	ug/l	98
28) Bromochloromethane	5.02	49	44643	20.372	ug/l	97
29) Tetrahydrofuran	5.15	42	135328	94.170	ug/l	99
30) Chloroform	5.21	83	87694	19.723	ug/l	98
31) Cyclohexane	5.57	56	84916	19.656	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	72854	19.748	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67921	19.959	ug/l	99
37) Ethyl Acetate	4.85	43	75940	18.805	ug/l	99
38) Carbon Tetrachloride	5.79	117	64183	19.866	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007971.D
 Acq On : 11 Mar 2019 15:50
 Operator : JC/SP
 Sample : VX0311WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0311WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:42 PM

Quant Time: Mar 12 08:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85374	20.704	ug/l	97
40) Benzene	6.14	78	204340	20.170	ug/l	100
41) Methacrylonitrile	5.06	41	44015	19.991	ug/l	99
42) 1,2-Dichloroethane	6.20	62	65582	19.794	ug/l	100
43) Isopropyl Acetate	6.46	43	117130	19.598	ug/l	99
44) Trichloroethene	7.21	130	56114	20.099	ug/l	98
45) 1,2-Dichloropropane	7.51	63	53673	20.059	ug/l	100
46) Dibromomethane	7.66	93	33655	19.875	ug/l	98
47) Bromodichloromethane	7.90	83	63590	19.807	ug/l	99
48) Methyl methacrylate	7.77	41	61114	19.449	ug/l	97
49) 1,4-Dioxane	7.75	88	25200	390.402	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	382929	99.628	ug/l	99
52) Toluene	8.78	92	127254	20.574	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	68004	20.294	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	77765	20.550	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	51552	20.589	ug/l	97
56) Ethyl methacrylate	9.18	69	77580	20.636	ug/l	98
57) 1,3-Dichloropropane	9.37	76	85513	20.340	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	198637	102.146	ug/l	98
59) 2-Hexanone	9.49	43	288967	96.836	ug/l	100
60) Dibromochloromethane	9.58	129	52379	20.014	ug/l	98
61) 1,2-Dibromoethane	9.67	107	54481	20.494	ug/l	99
64) Tetrachloroethene	9.34	164	58228	21.255	ug/l	97
65) Chlorobenzene	10.13	112	141389	20.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	50762	20.475	ug/l	99
67) Ethyl Benzene	10.25	91	234382	20.583	ug/l	99
68) m/p-Xylenes	10.36	106	182788	41.645	ug/l	99
69) o-Xylene	10.69	106	87862	20.734	ug/l	99
70) Styrene	10.71	104	145389	20.967	ug/l	99
71) Bromoform	10.85	173	40877	19.199	ug/l #	99
73) Isopropylbenzene	11.02	105	239266	20.938	ug/l	100
74) N-amyl acetate	10.90	43	98382	18.858	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	76444	19.393	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	73984m	20.866	ug/l	
77) Bromobenzene	11.26	156	63174	20.164	ug/l	98
78) n-propylbenzene	11.36	91	266029	20.984	ug/l	99
79) 2-Chlorotoluene	11.42	91	158187	20.408	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	197412	20.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20558	18.534	ug/l	96
82) 4-Chlorotoluene	11.51	91	183282	20.633	ug/l	99
83) tert-Butylbenzene	11.77	119	194748	20.556	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	203175	21.072	ug/l	99
85) sec-Butylbenzene	11.94	105	238623	21.386	ug/l	99
86) p-Isopropyltoluene	12.06	119	213097	21.325	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	113711	20.515	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	113848	20.057	ug/l	100
89) n-Butylbenzene	12.38	91	176795	20.883	ug/l	99
90) Hexachloroethane	12.60	117	33980	20.338	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	112200	20.377	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15123	18.358	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
Data File : VX007971.D
Acq On : 11 Mar 2019 15:50
Operator : JC/SP
Sample : VX0311WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

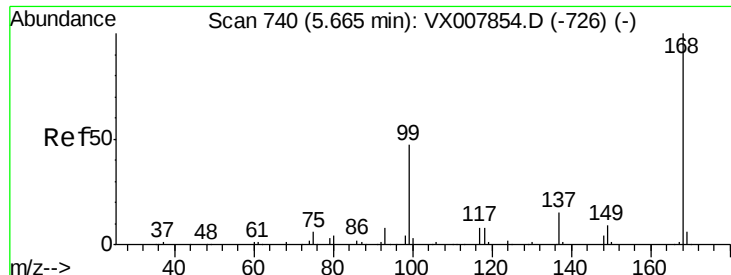
Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM

Quant Time: Mar 12 08:53:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	79611	20.581	ug/l	99
94) Hexachlorobutadiene	13.78	225	44115	21.814	ug/l	99
95) Naphthalene	13.83	128	227151	20.381	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	80679	20.937	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 168 Resp: 266517

Ion Ratio Lower Upper

168 100

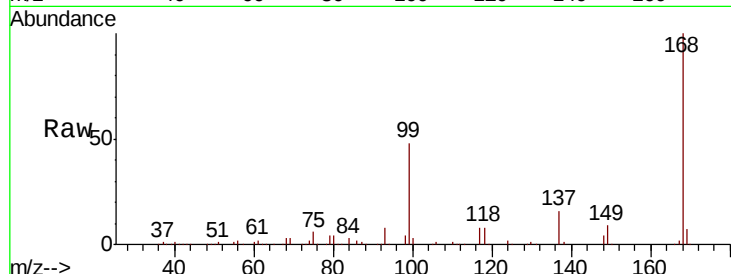
99 47.6 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

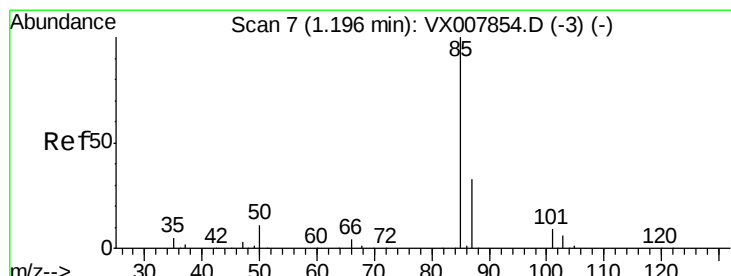
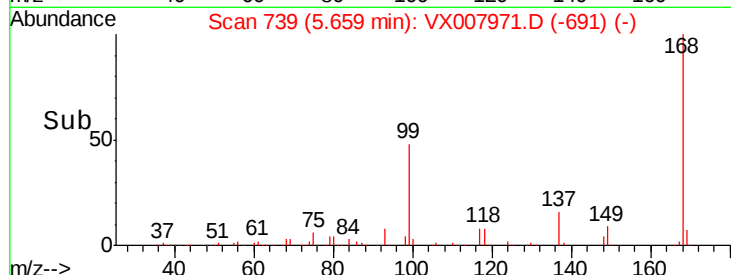
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.220 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007971.D

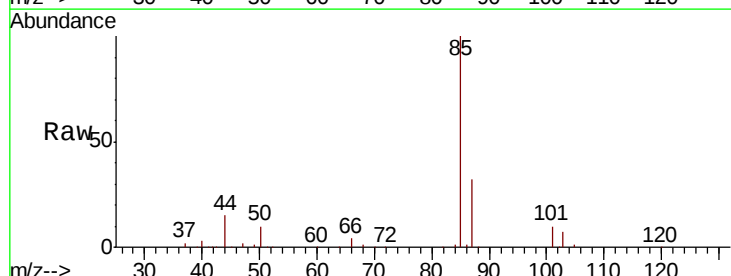
Acq: 11 Mar 2019 15:50

Tgt Ion: 85 Resp: 43764

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

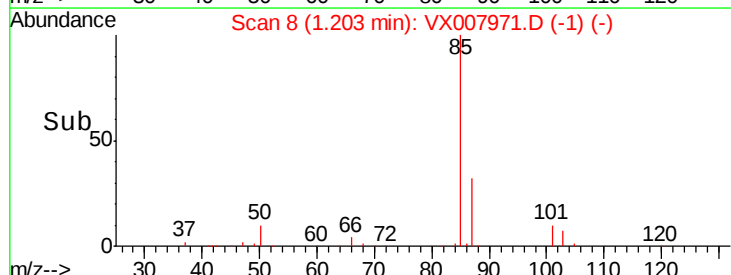
30000

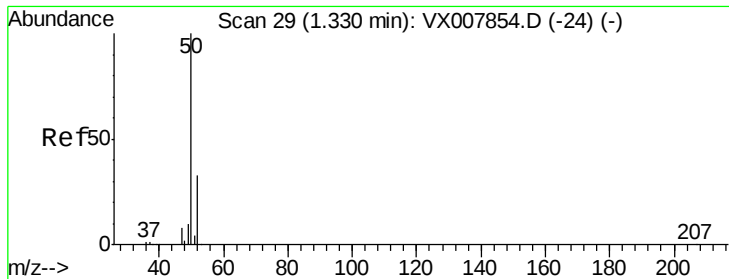
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.484 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 50 Resp: 54239

Ion Ratio Lower Upper

50 100

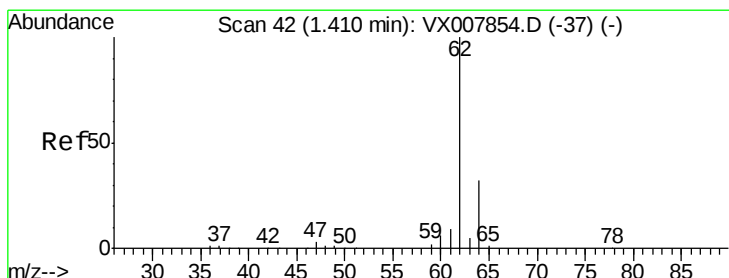
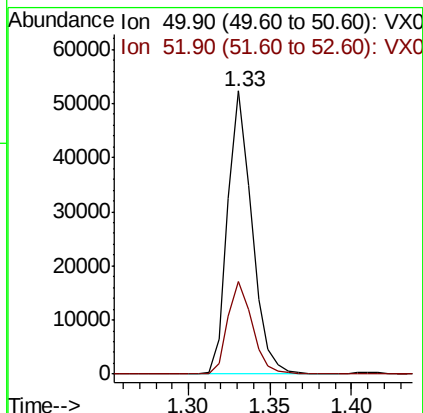
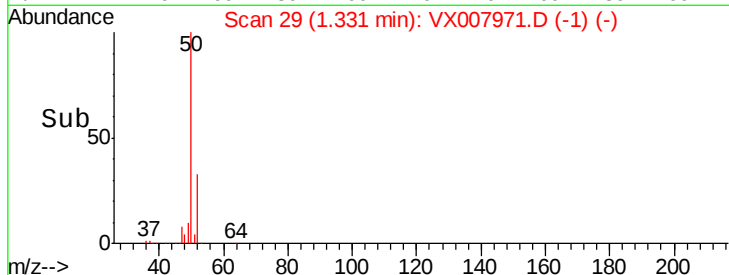
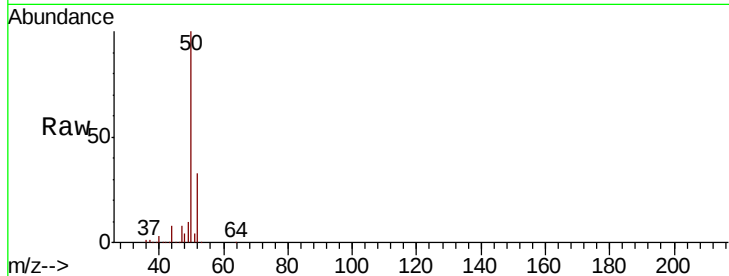
52 32.6 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#4

Vinyl Chloride

Concen: 19.419 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007971.D

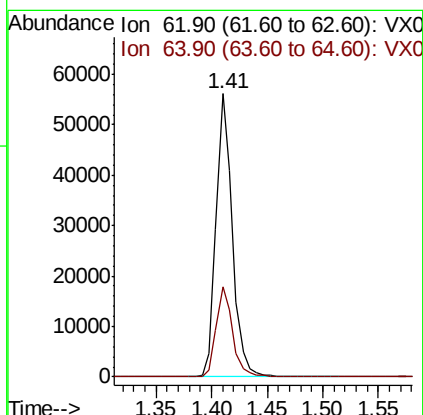
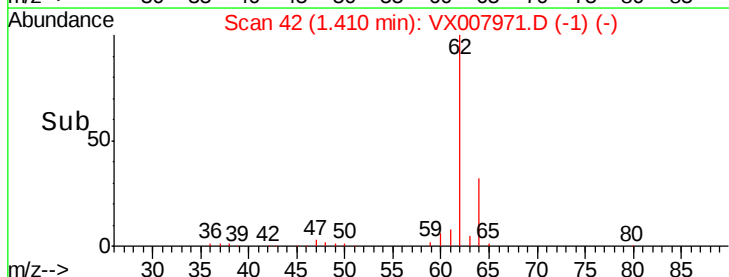
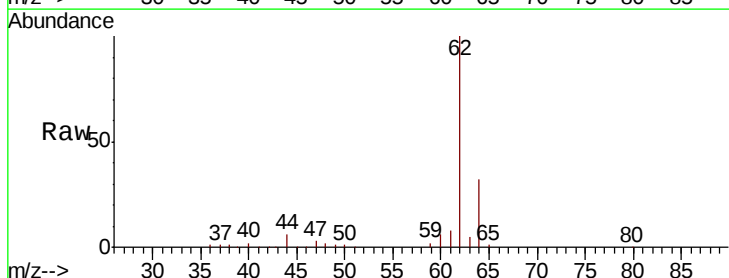
Acq: 11 Mar 2019 15:50

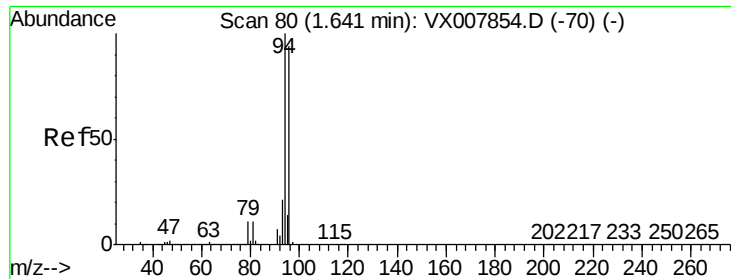
Tgt Ion: 62 Resp: 56620

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 21.929 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 94 Resp: 30870

Ion Ratio Lower Upper

94 100

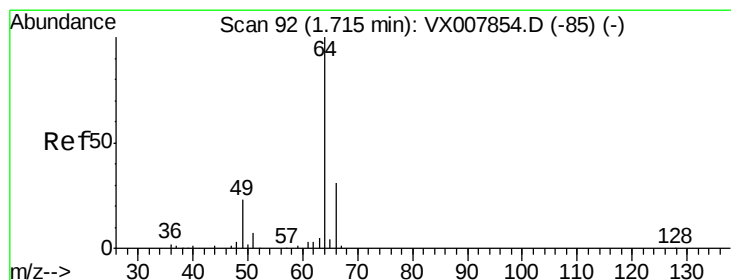
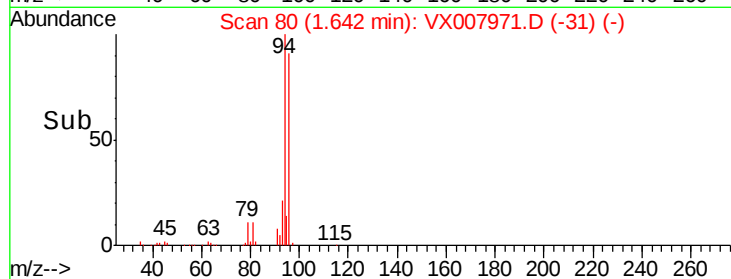
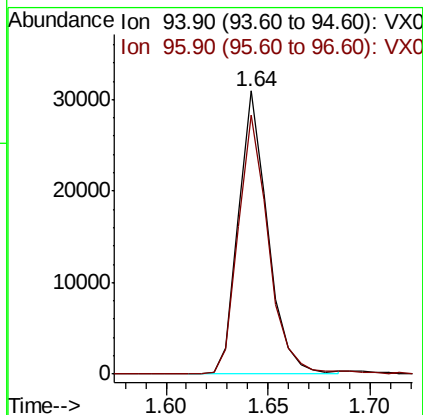
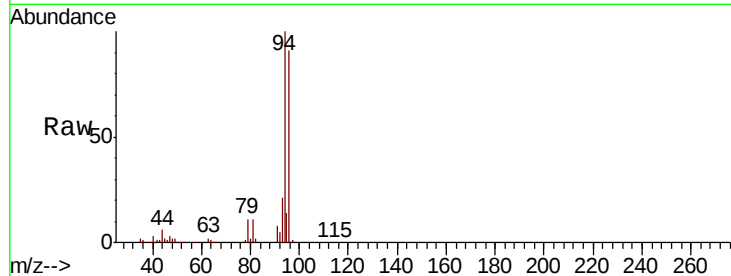
96 91.3 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#6

Chloroethane

Concen: 21.145 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007971.D

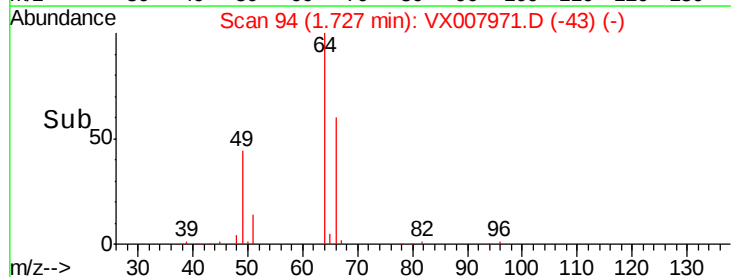
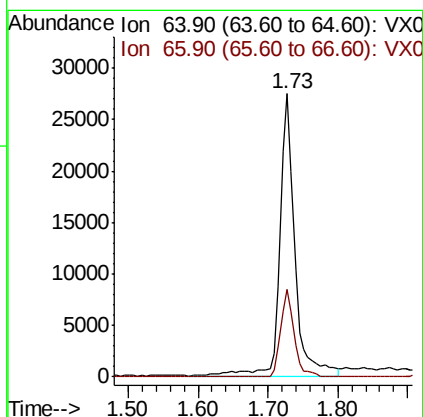
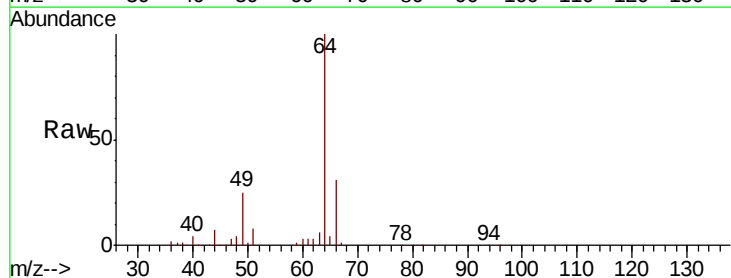
Acq: 11 Mar 2019 15:50

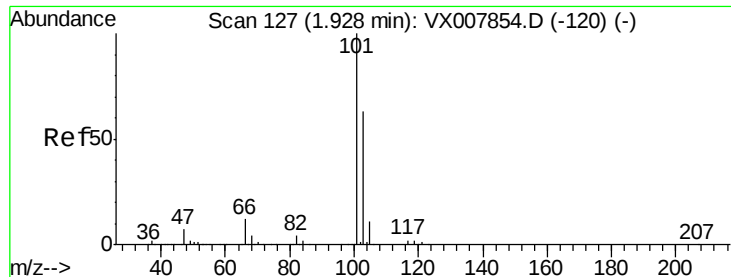
Tgt Ion: 64 Resp: 40956

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8





#7

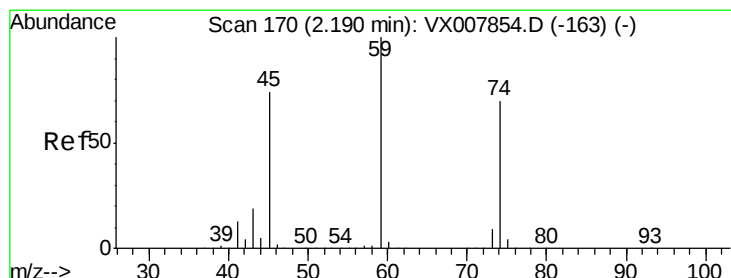
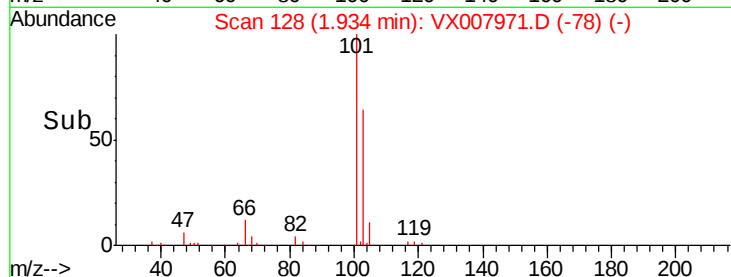
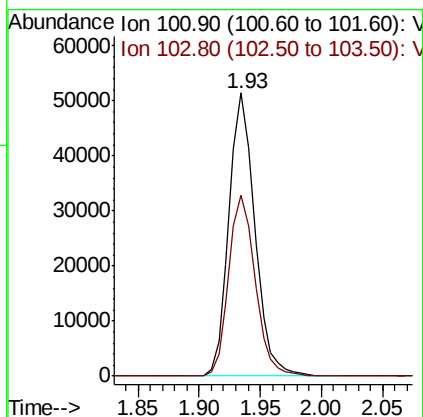
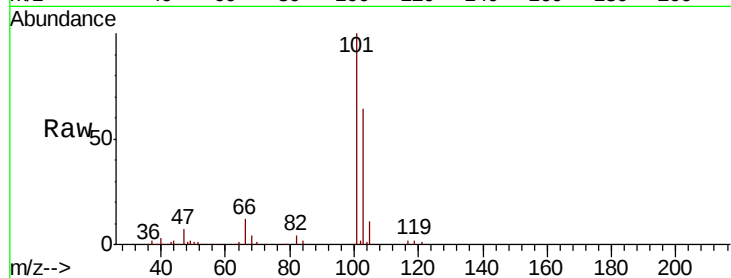
Trichlorofluoromethane
Concen: 19.900 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.4	75.6

Manual Integrations
APPROVED

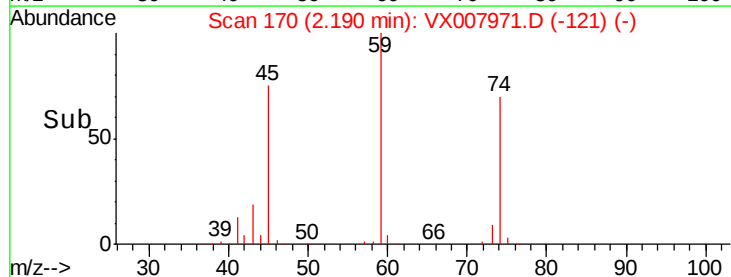
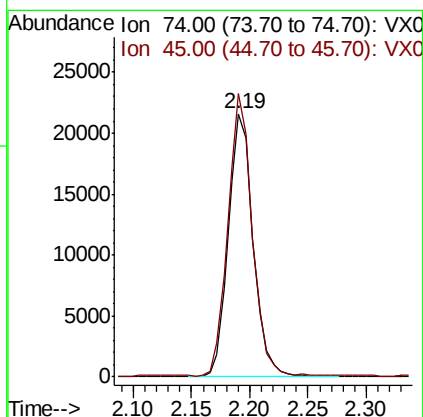
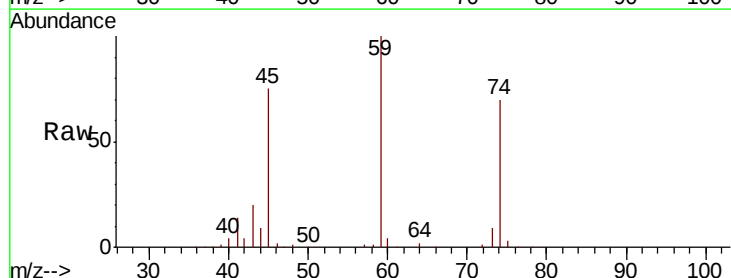
MMDadoda
3/12/2019 2:20:42 PM

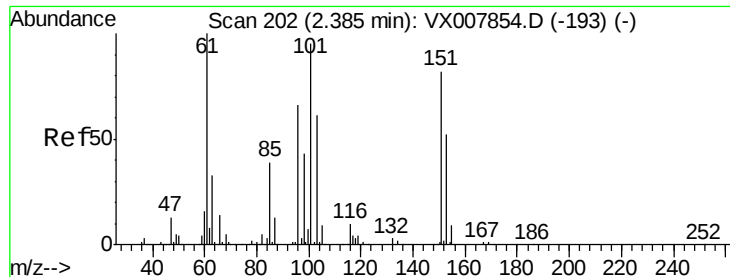


#8

Diethyl Ether
Concen: 19.473 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.624 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

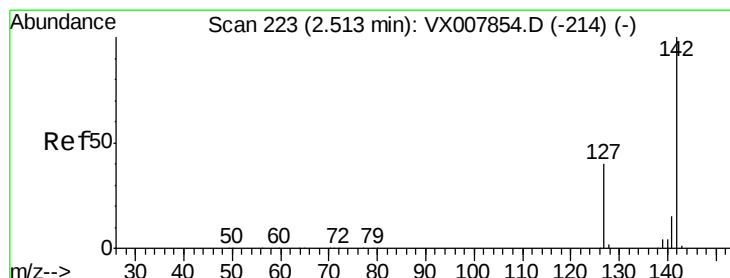
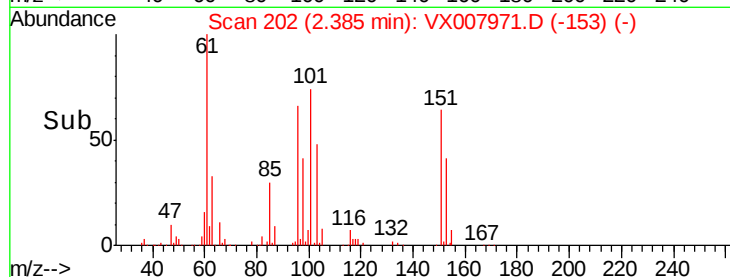
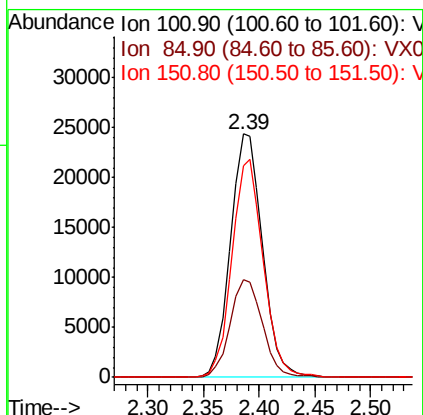
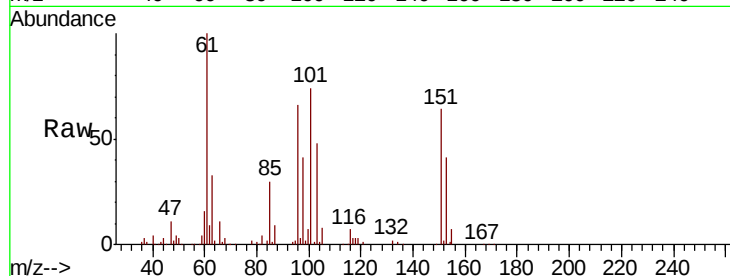
ClientSampleId :

VX0311WBS02

Tgt Ion:	101	Resp:	48515
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.8	50.6
151	87.5	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM



#10

Methyl Iodide

Concen: 18.985 ug/l

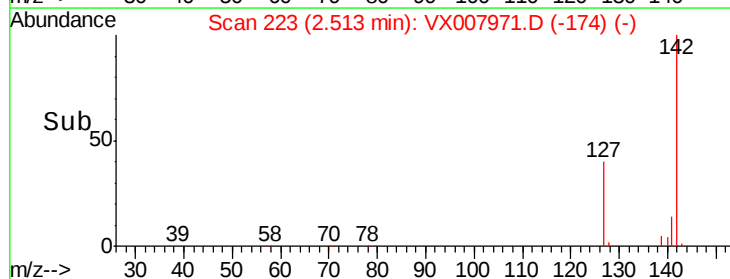
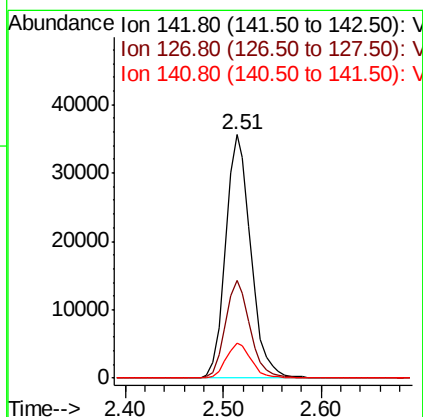
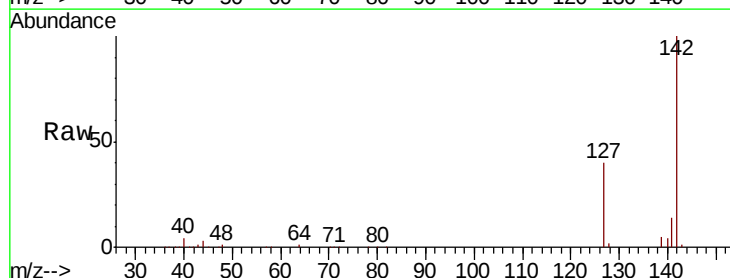
RT: 2.51 min Scan# 223

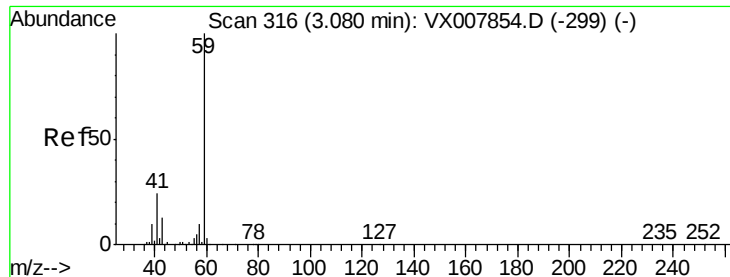
Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion:	142	Resp:	63359
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.1	48.1
141	14.4	11.4	17.2





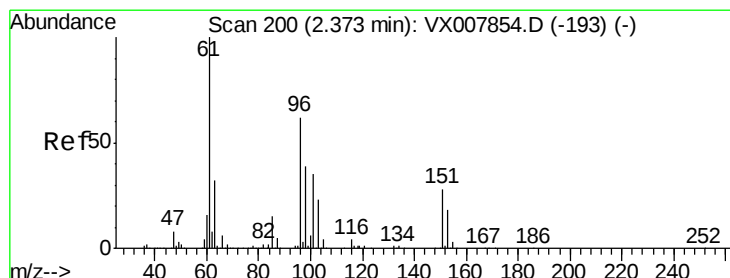
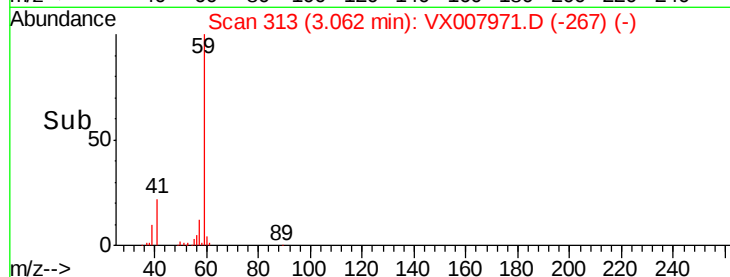
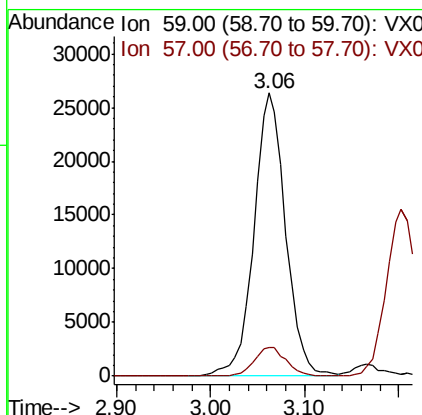
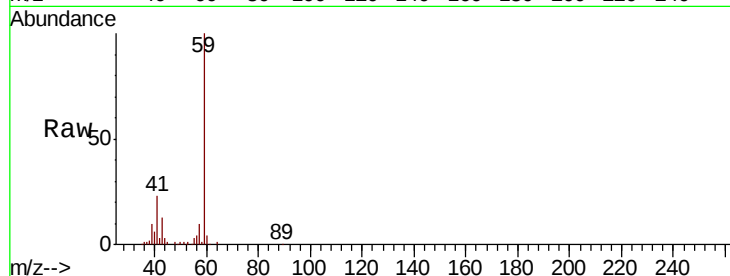
#11
Tert butyl alcohol
Concen: 98.757 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 59 Resp: 62093
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

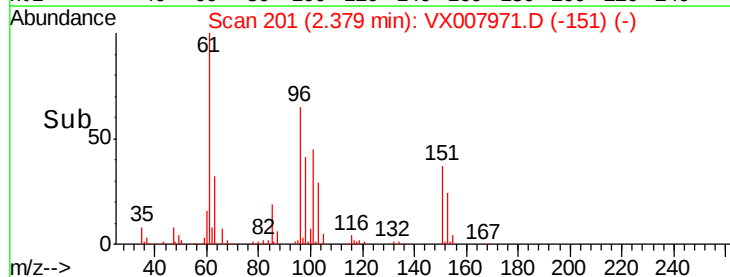
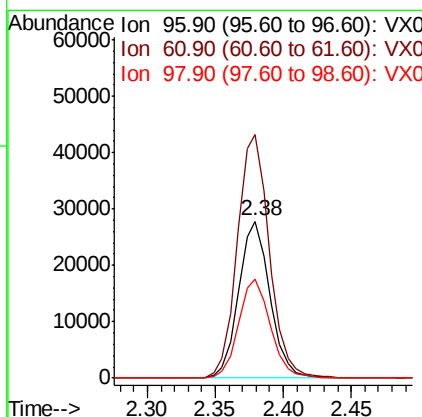
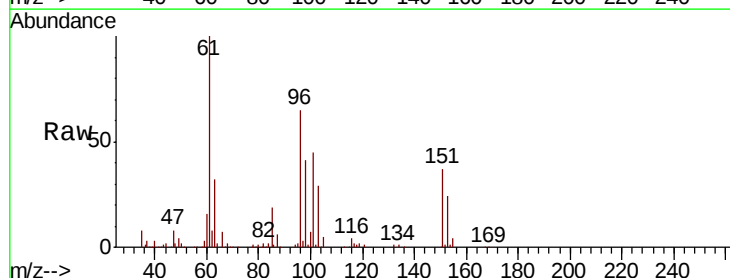
Manual Integrations
APPROVED

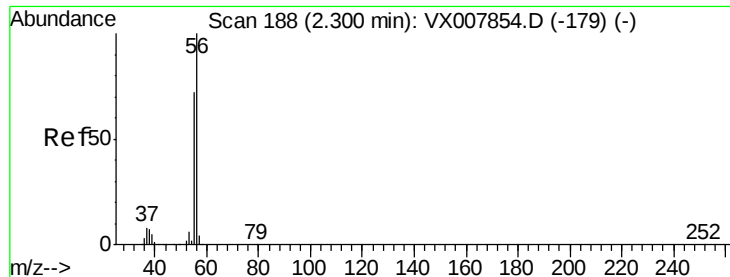
MMDadoda
3/12/2019 2:20:42 PM



#12
1,1-Dichloroethene
Concen: 19.804 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 96 Resp: 44907
Ion Ratio Lower Upper
96 100
61 155.0 129.8 194.6
98 63.4 51.0 76.6





#13

Acrolein

Concen: 91.592 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 56 Resp: 32240

Ion Ratio Lower Upper

56 100

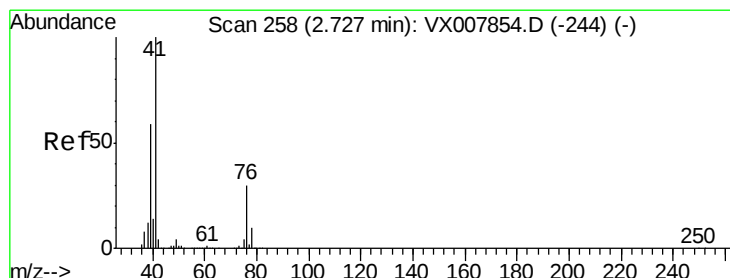
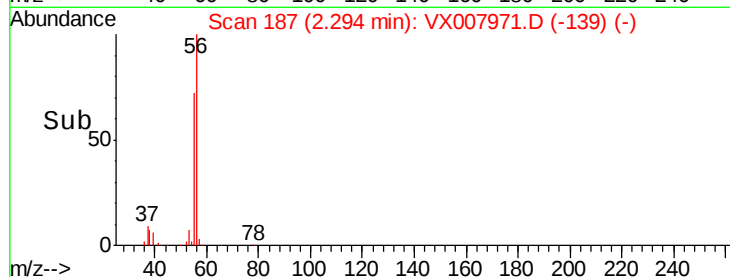
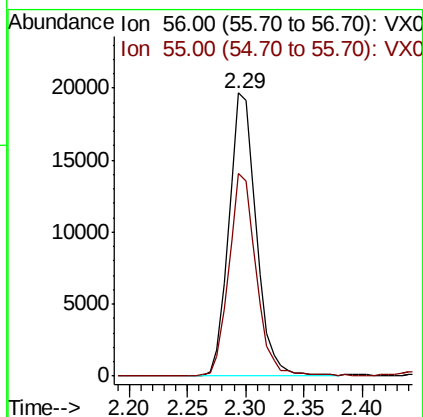
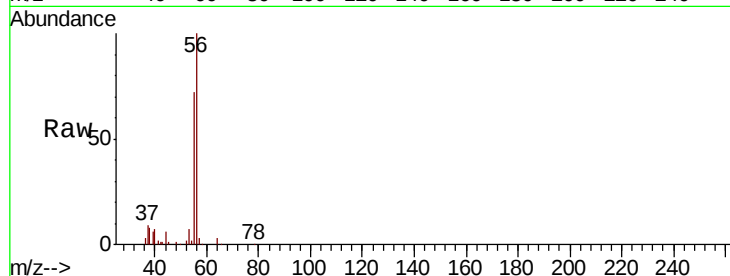
55 71.6 57.8 86.6

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#14

Allyl chloride

Concen: 18.842 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

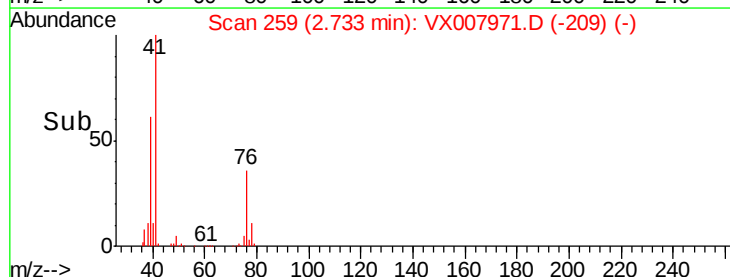
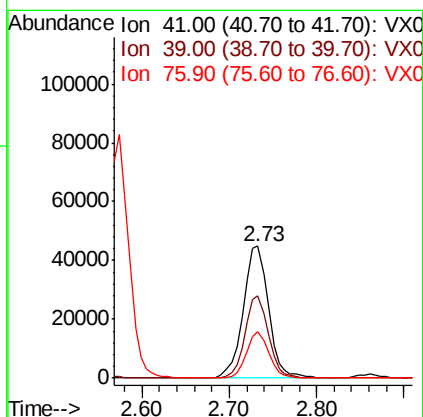
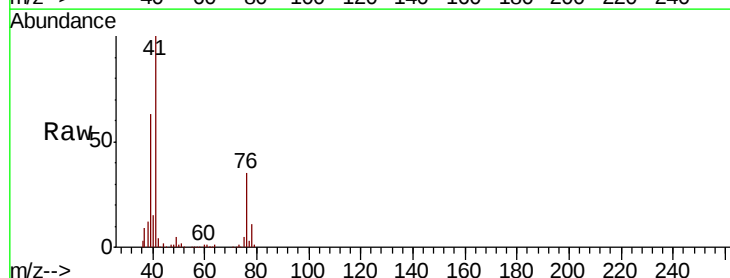
Tgt Ion: 41 Resp: 89780

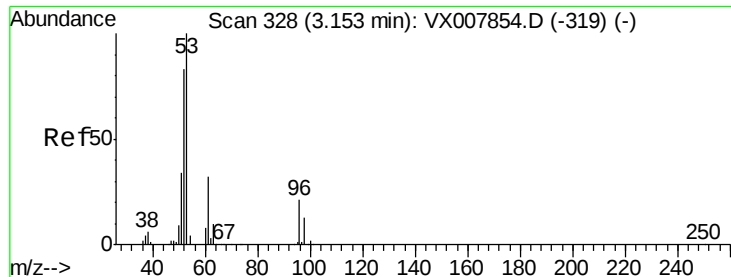
Ion Ratio Lower Upper

41 100

39 57.7 46.1 69.1

76 31.2 24.0 36.0





#15

Acrylonitrile

Concen: 95.179 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

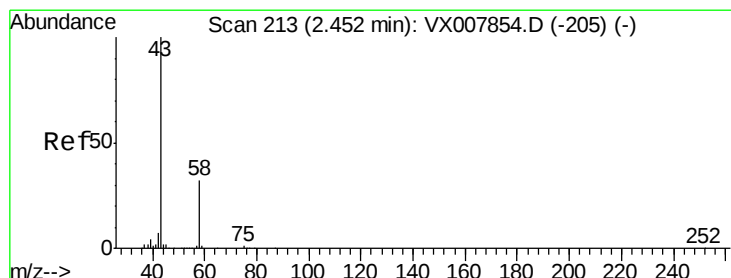
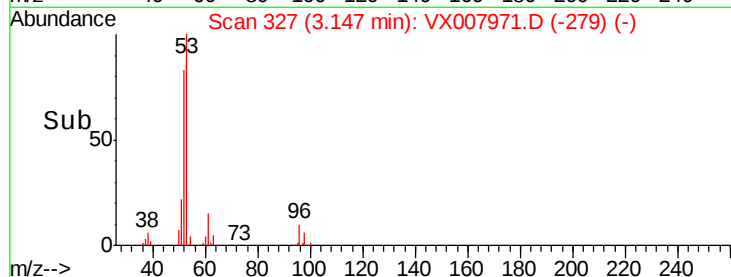
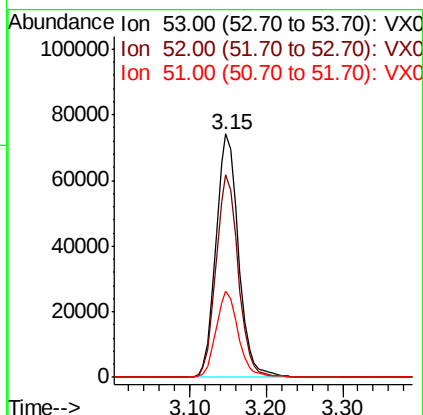
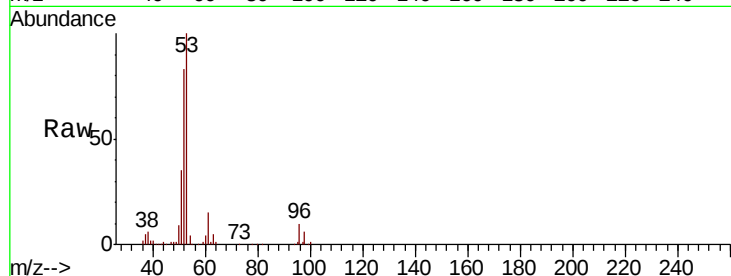
ClientSampleId :

VX0311WBS02

Tgt Ion:	53	Resp:	151050
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	34.9	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM



#16

Acetone

Concen: 86.626 ug/l

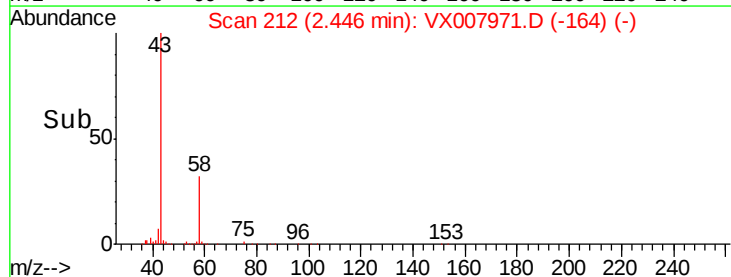
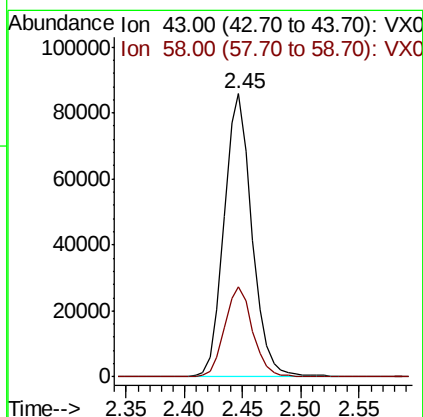
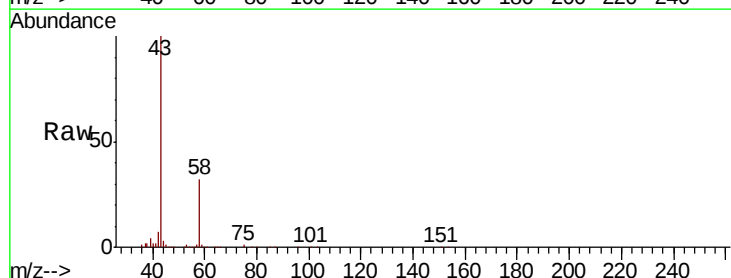
RT: 2.45 min Scan# 212

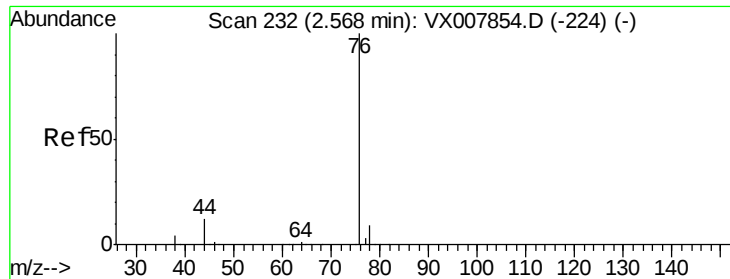
Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion:	43	Resp:	140967
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3





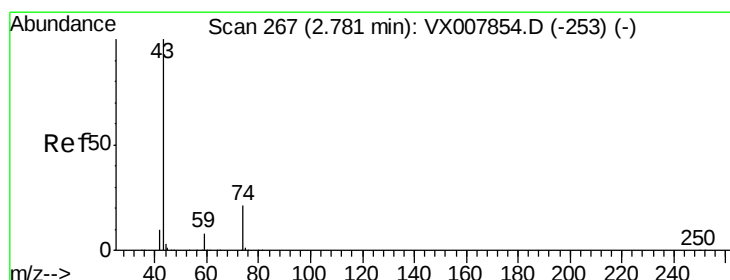
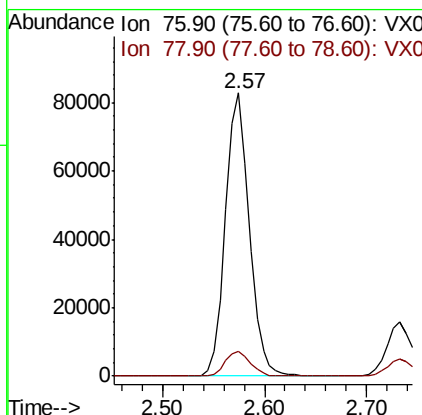
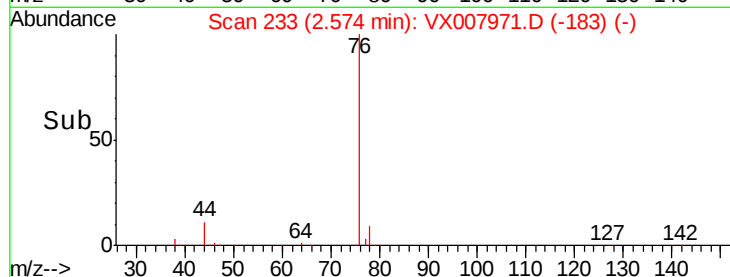
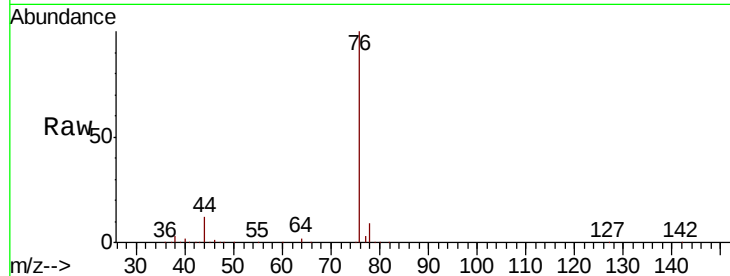
#17
Carbon Disulfide
Concen: 19.226 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 76 Resp: 134291
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

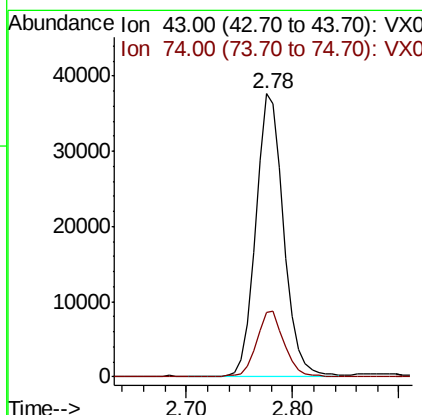
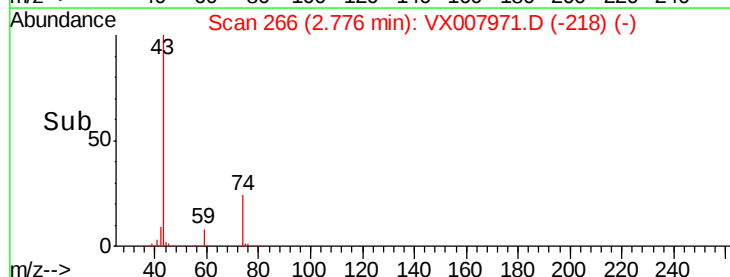
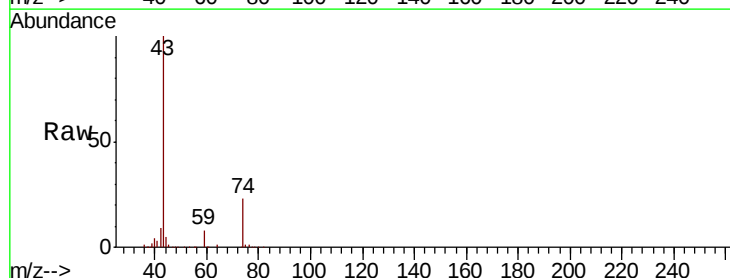
Manual Integrations
APPROVED

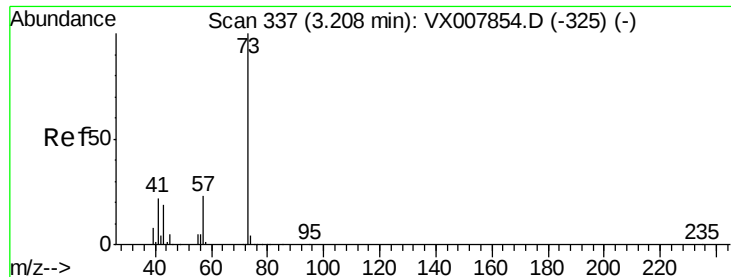
MMDadoda
3/12/2019 2:20:42 PM



#18
Methyl Acetate
Concen: 19.882 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 43 Resp: 68736
Ion Ratio Lower Upper
43 100
74 23.3 17.8 26.6





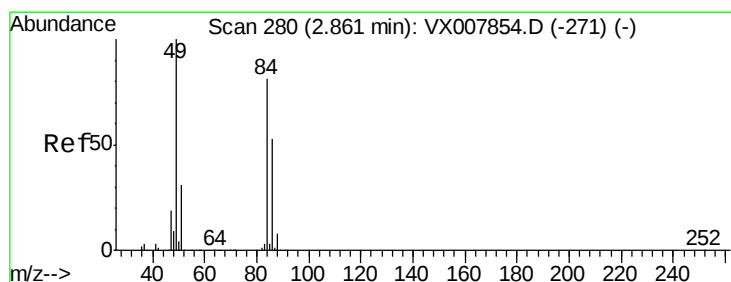
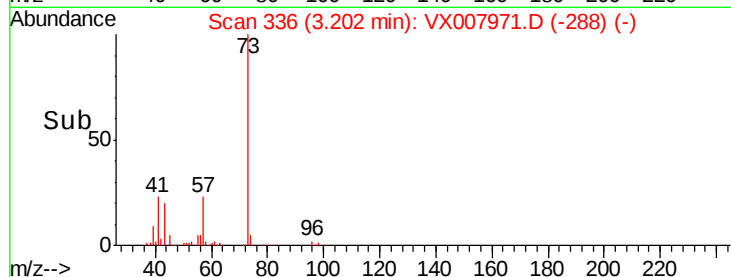
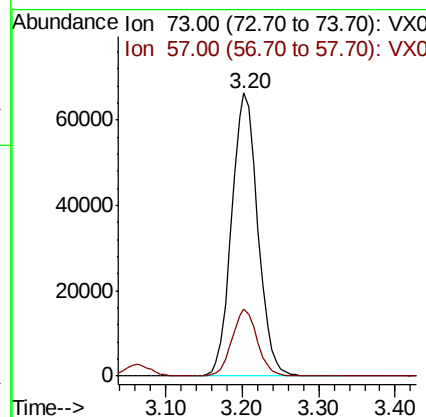
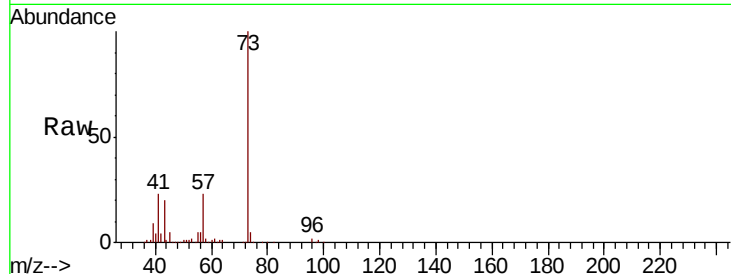
#19
Methyl tert-butyl Ether
Concen: 20.054 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 73 Resp: 156438
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.4

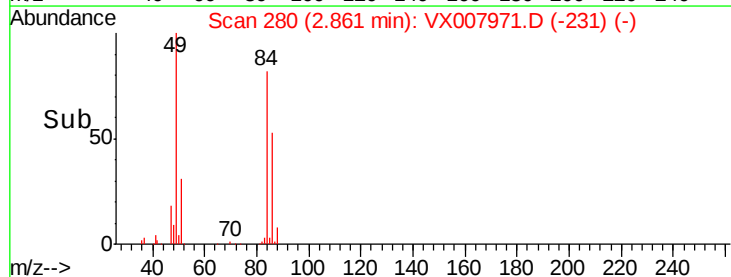
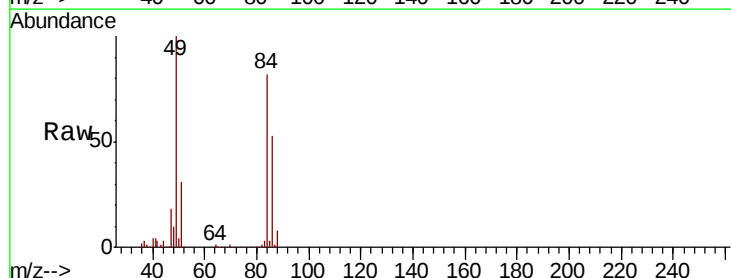
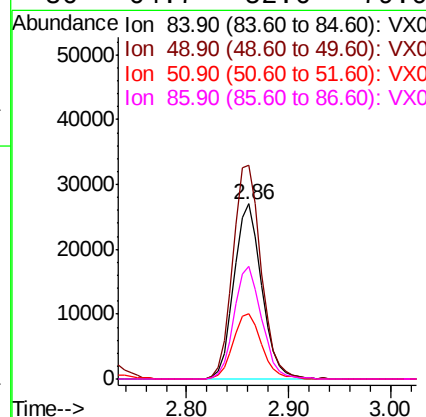
Manual Integrations
APPROVED

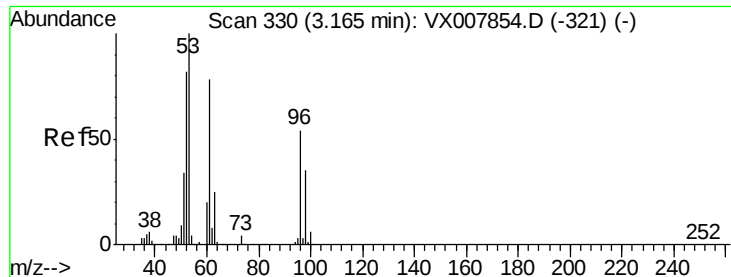
MMDadoda
3/12/2019 2:20:42 PM



#20
Methylene Chloride
Concen: 19.569 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 84 Resp: 50682
Ion Ratio Lower Upper
84 100
49 122.1 99.3 148.9
51 37.7 31.3 46.9
86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.660 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

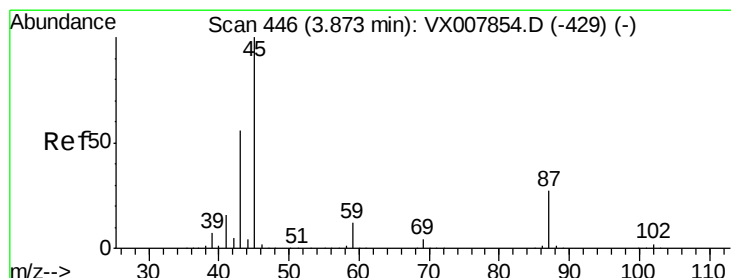
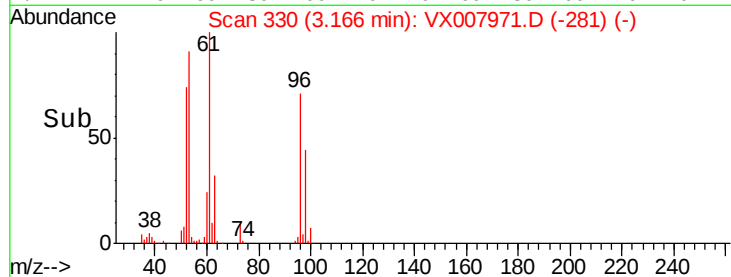
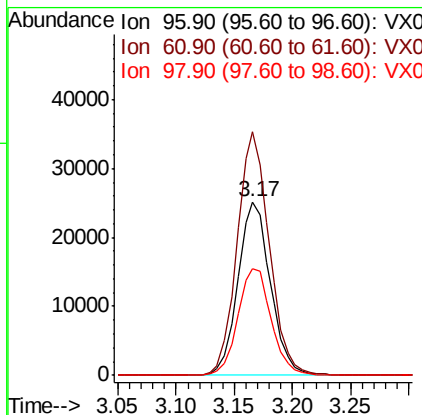
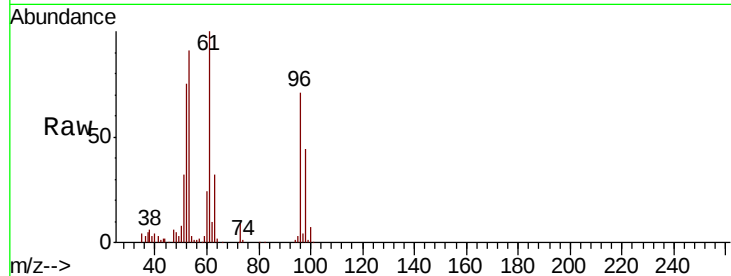
ClientSampleId :

VX0311WBS02

Tgt Ion:	96	Resp:	49052
Ion	Ratio	Lower	Upper
96	100		
61	140.1	114.4	171.6
98	61.3	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM



#22

Diisopropyl ether

Concen: 19.056 ug/l

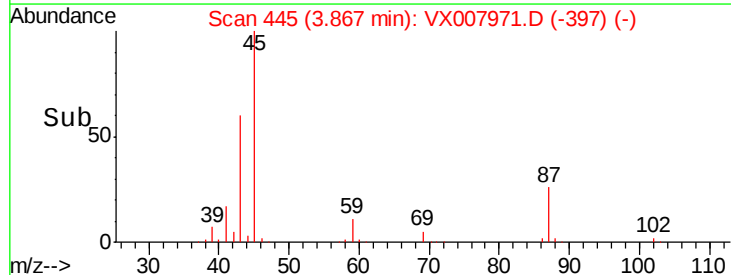
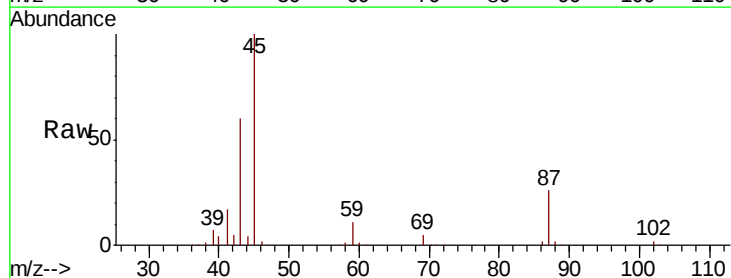
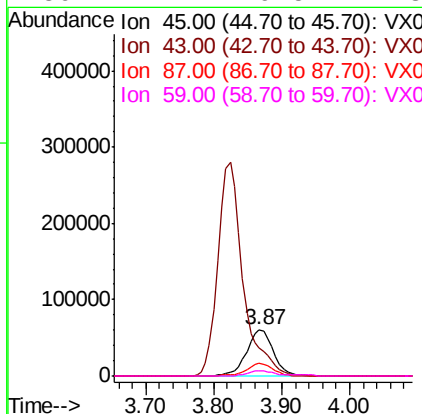
RT: 3.87 min Scan# 445

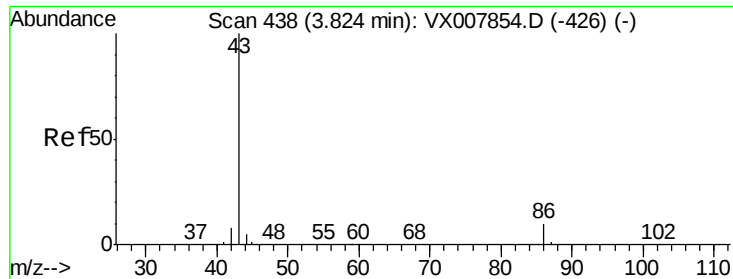
Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion:	45	Resp:	166443
Ion	Ratio	Lower	Upper
45	100		
43	60.0	45.3	67.9
87	26.4	21.4	32.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 94.269 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 43 Resp: 722050

Ion Ratio Lower Upper

43 100

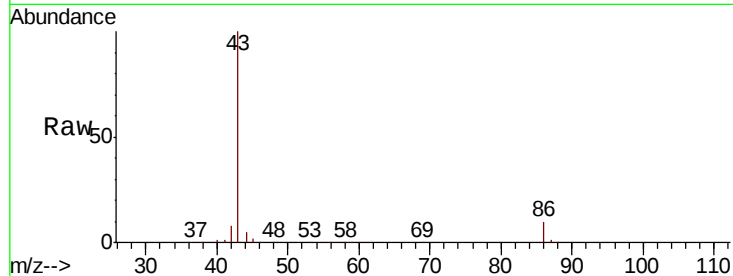
86 10.1 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

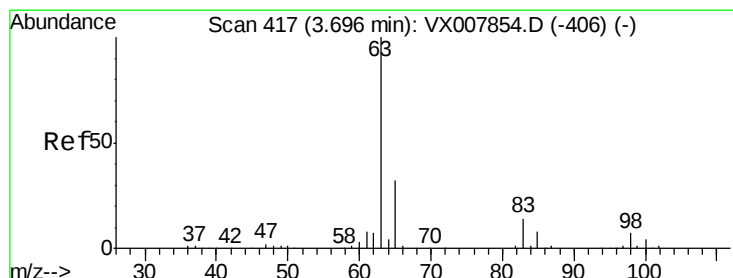
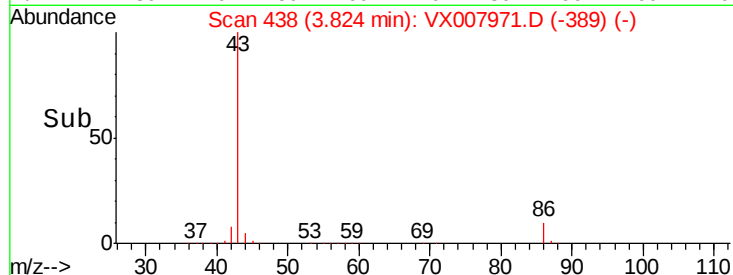
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.060 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

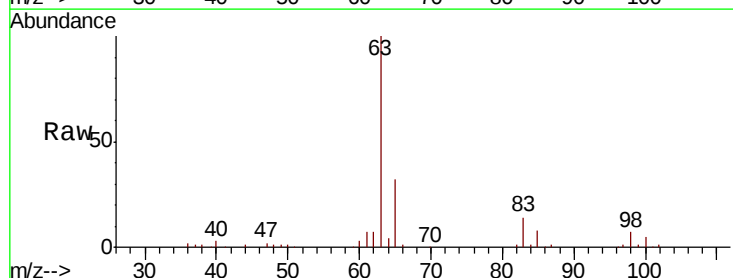
Tgt Ion: 63 Resp: 94291

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.6 2.3 6.8



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

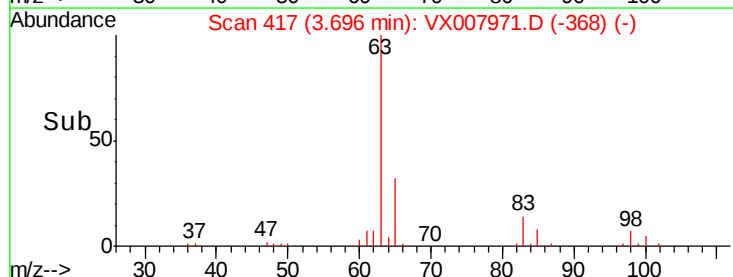
20000

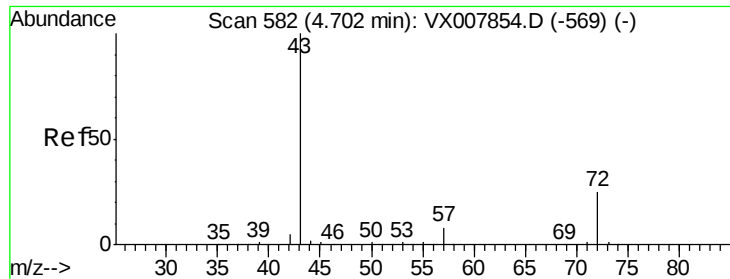
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 90.232 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 43 Resp: 207882

Ion Ratio Lower Upper

43 100

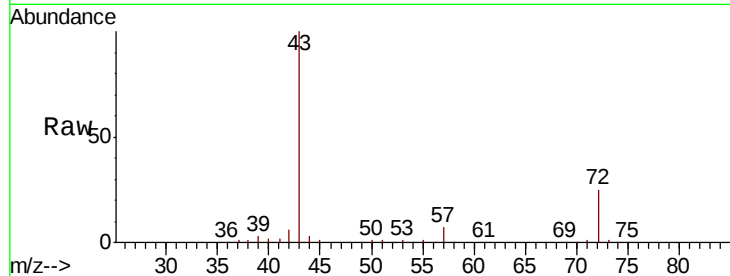
72 25.1 19.9 29.9

Manual Integrations

APPROVED

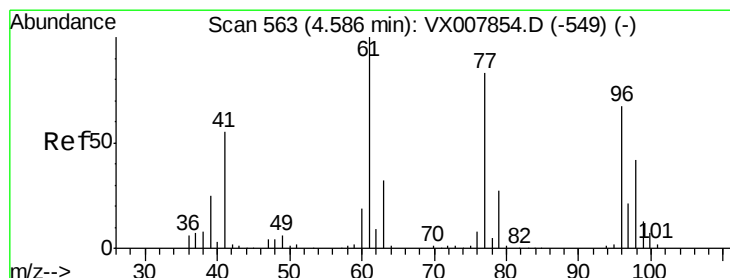
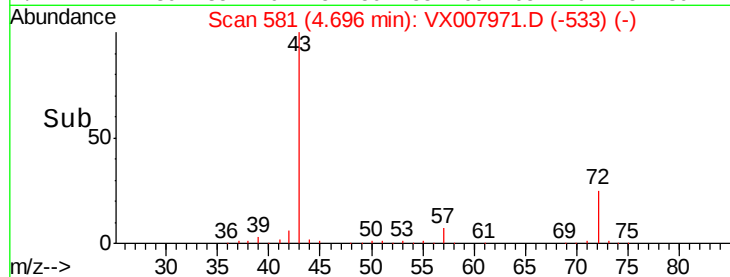
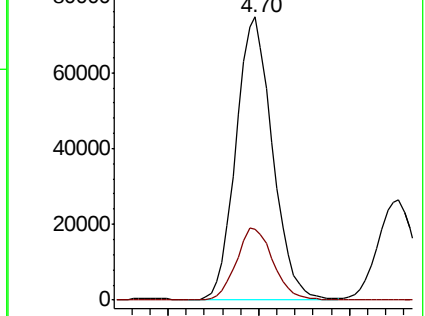
MMDadoda

3/12/2019 2:20:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.578 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007971.D

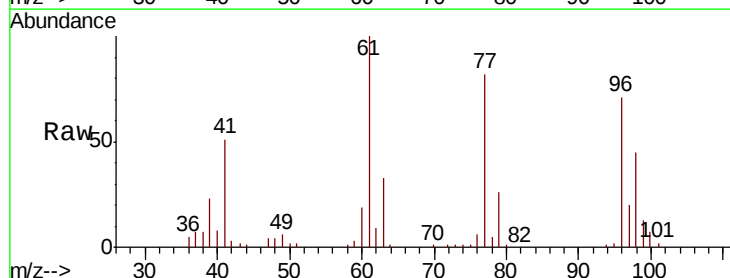
Acq: 11 Mar 2019 15:50

Tgt Ion: 77 Resp: 60968

Ion Ratio Lower Upper

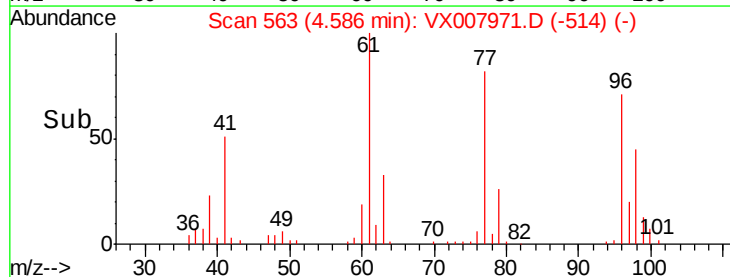
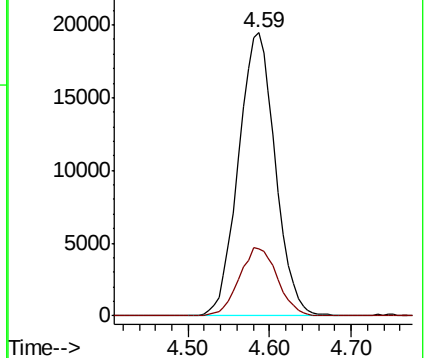
77 100

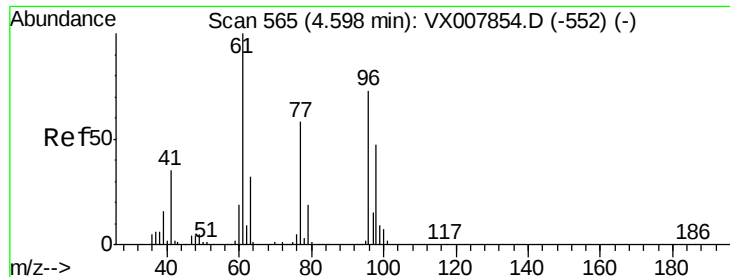
97 24.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

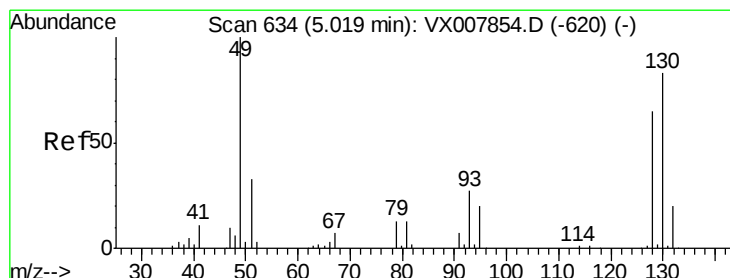
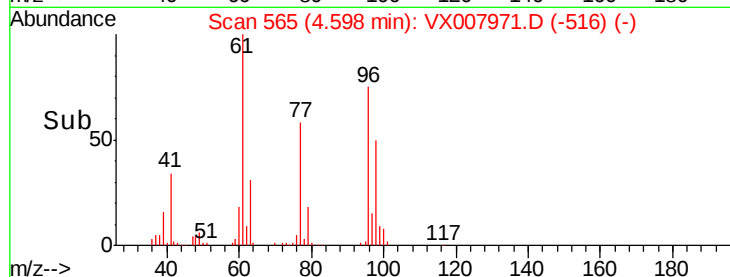
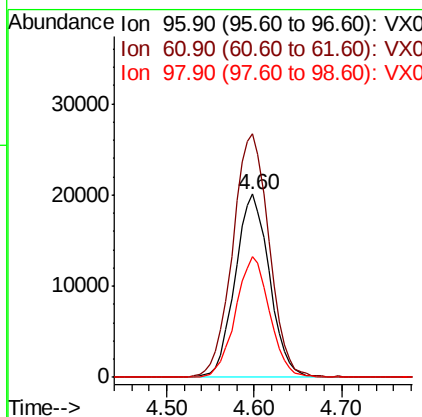
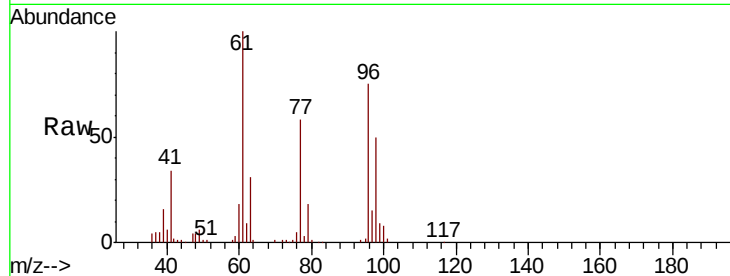
cis-1,2-Dichloroethene
Concen: 19.239 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54929		
61	141.1	0.0	288.0	
98	65.1	0.0	129.0	

Manual Integrations
APPROVED

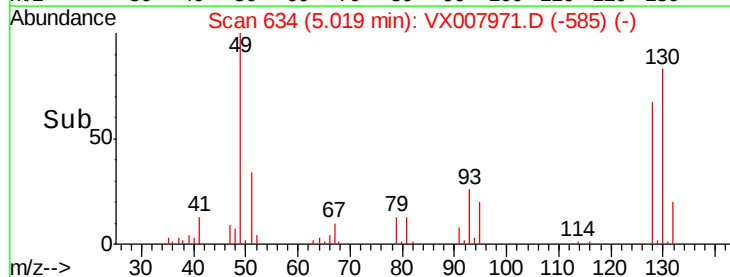
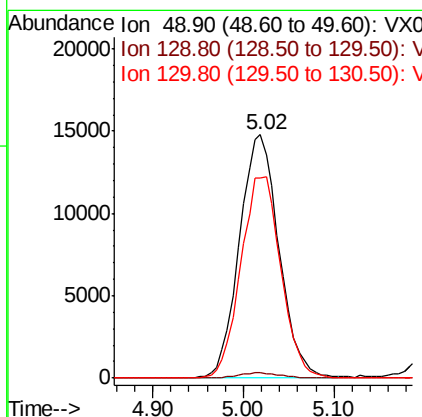
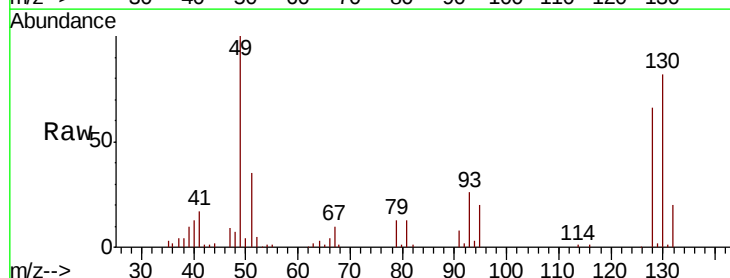
MMDadoda
3/12/2019 2:20:42 PM

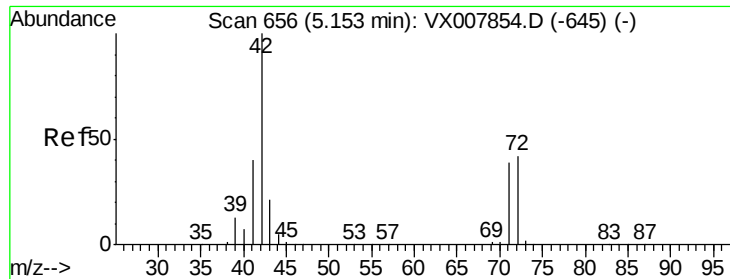


#28

Bromochloromethane
Concen: 20.372 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44643		
129	2.2	0.0	4.0	
130	84.0	65.0	97.4	





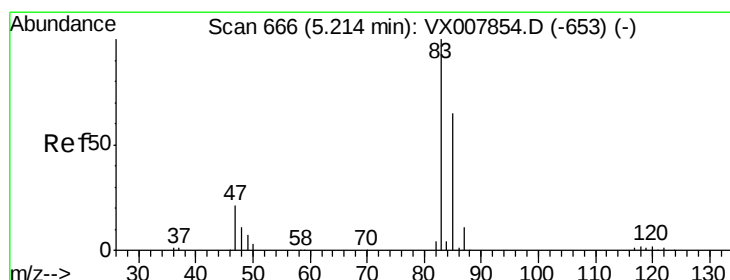
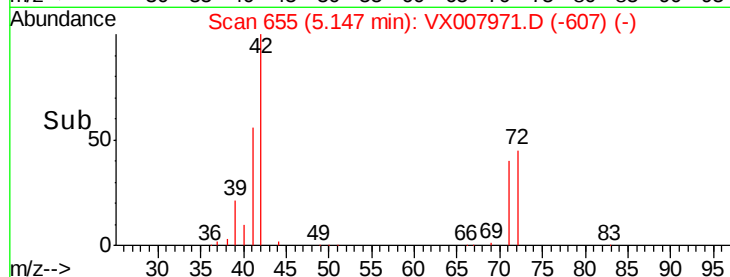
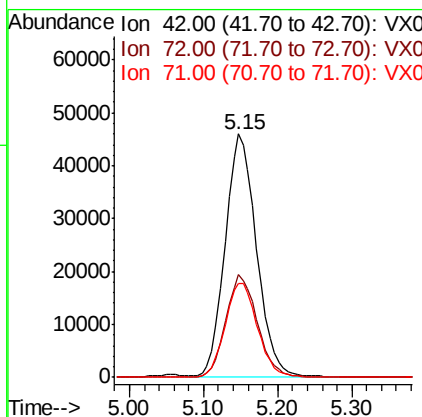
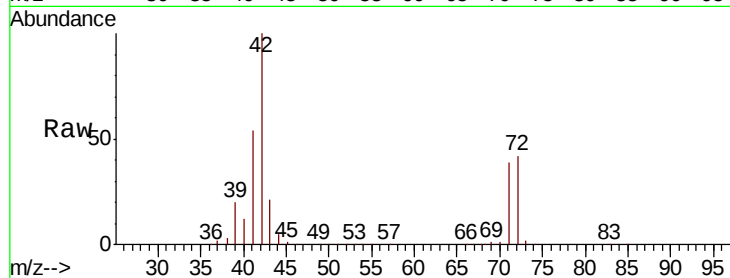
#29
Tetrahydrofuran
Concen: 94.170 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.8	50.6
71	40.1	31.5	47.3

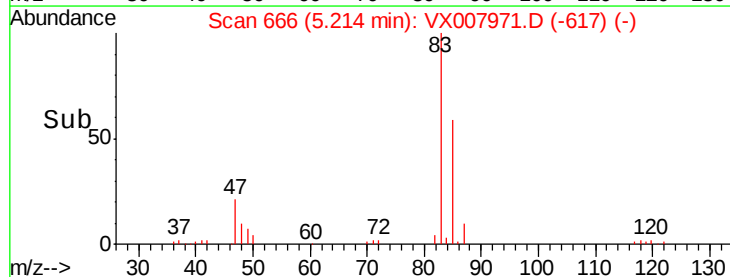
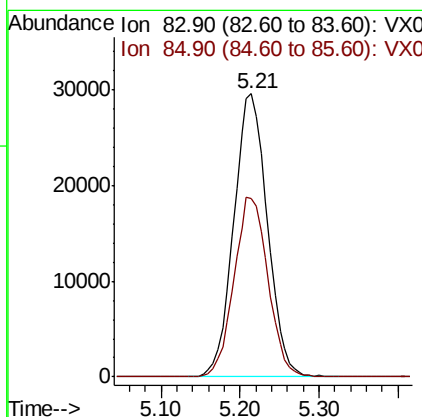
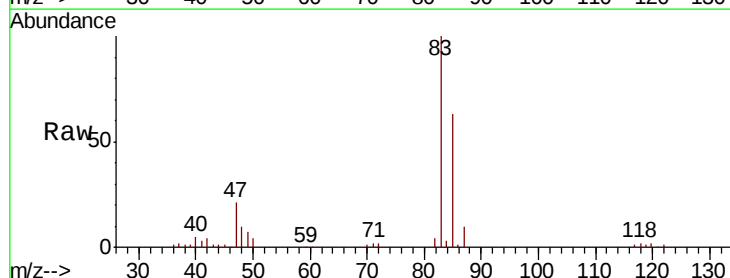
Manual Integrations
APPROVED

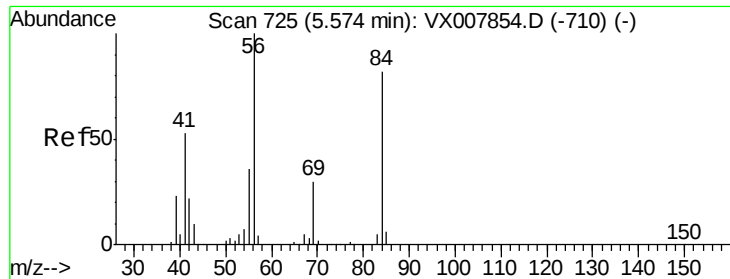
MMDadoda
3/12/2019 2:20:42 PM



#30
Chloroform
Concen: 19.723 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





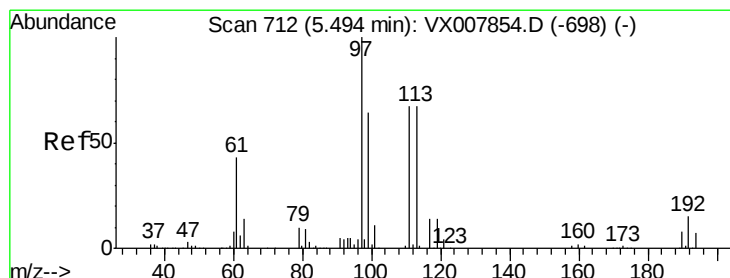
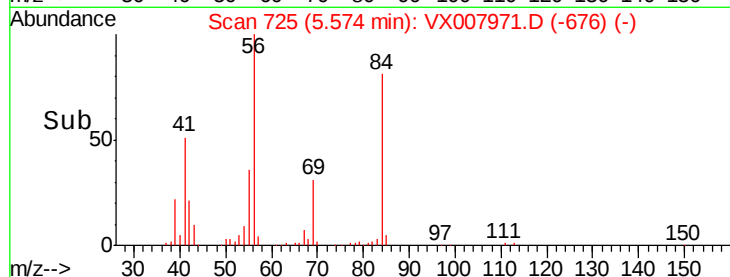
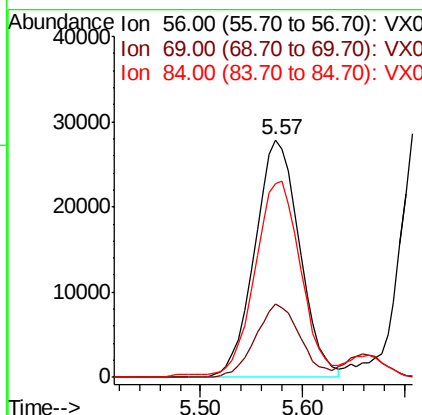
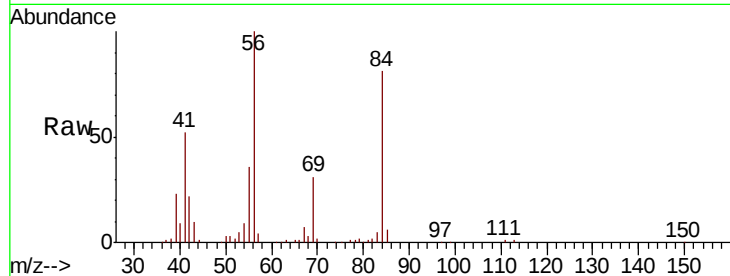
#31
Cyclohexane
Concen: 19.656 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.0	36.0
84	80.1	65.3	97.9

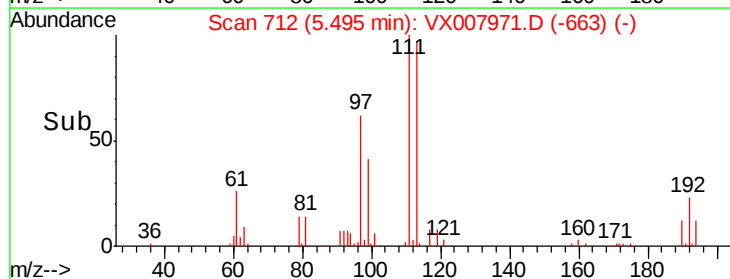
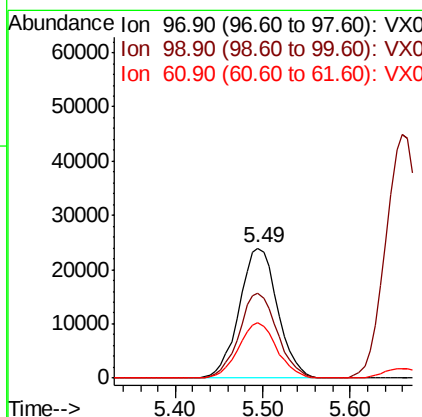
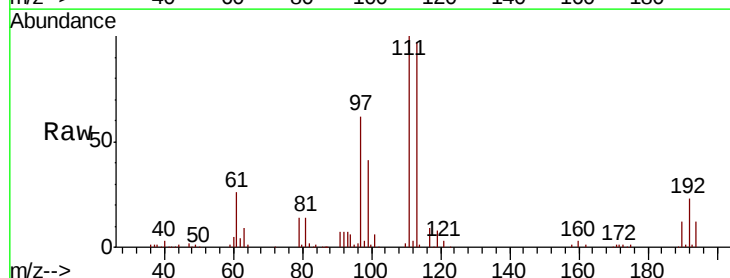
Manual Integrations
APPROVED

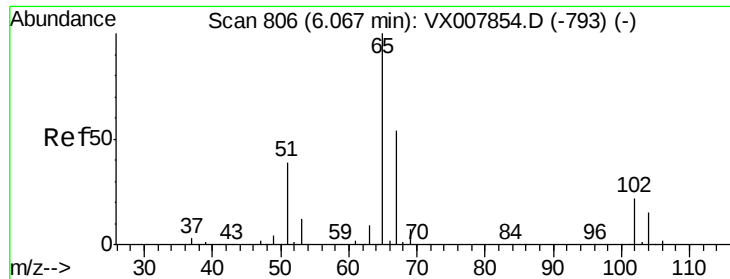
MMDadoda
3/12/2019 2:20:42 PM



#32
1,1,1-Trichloroethane
Concen: 19.748 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.2
61	42.8	34.9	52.3





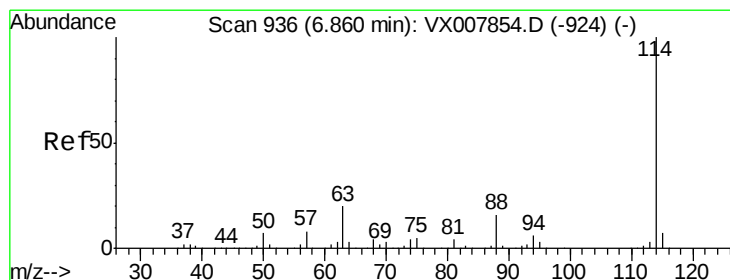
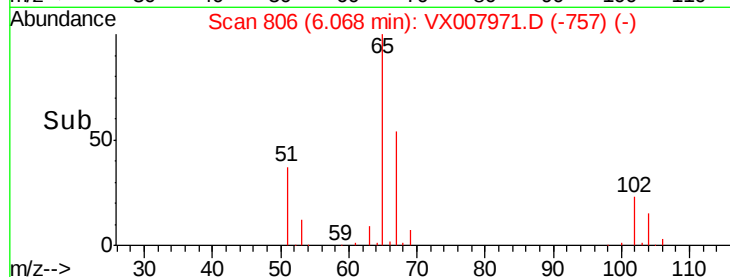
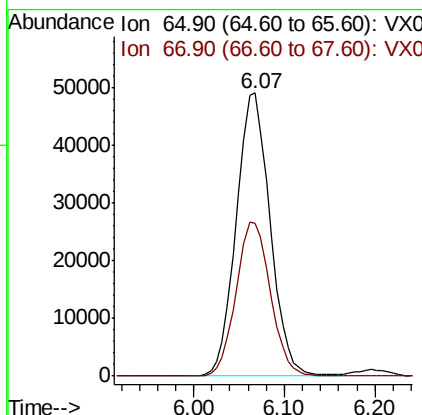
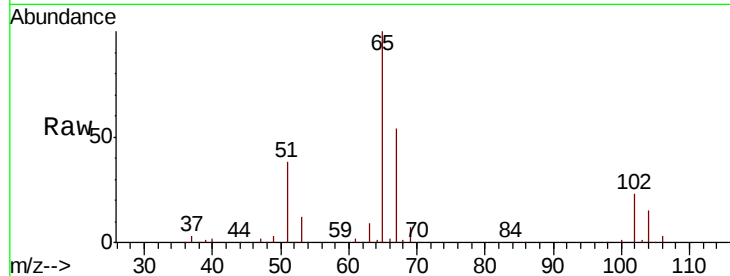
#33
 1,2-Dichloroethane-d4
 Concen: 45.391 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	127618		
67	55.0	0.0	110.0	

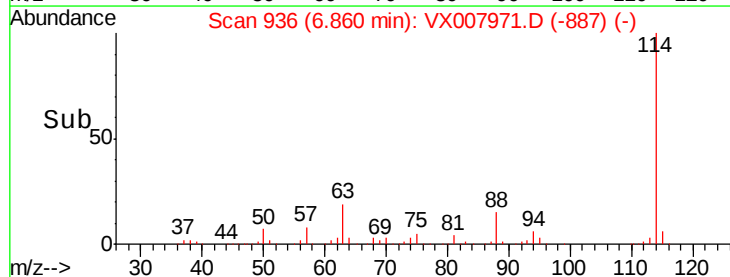
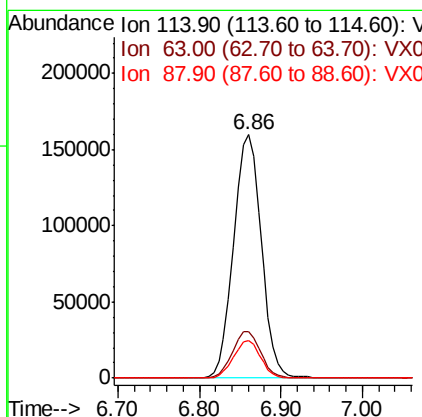
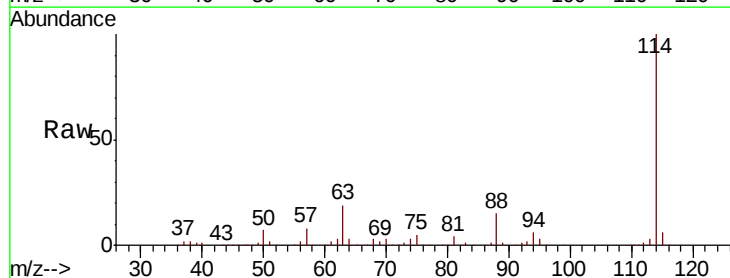
Manual Integrations
 APPROVED

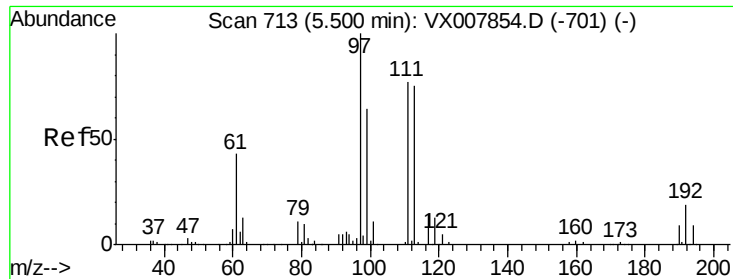
MMDadoda
 3/12/2019 2:20:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375825		
63	19.3	0.0	39.8	
88	15.4	0.0	31.4	





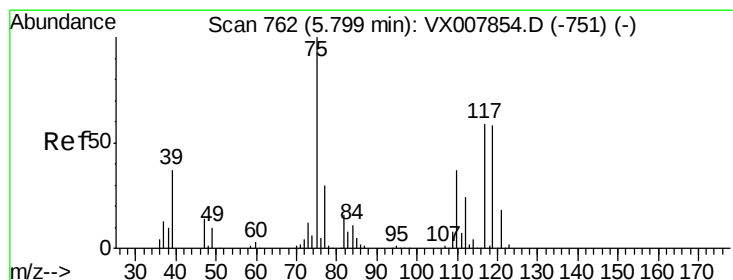
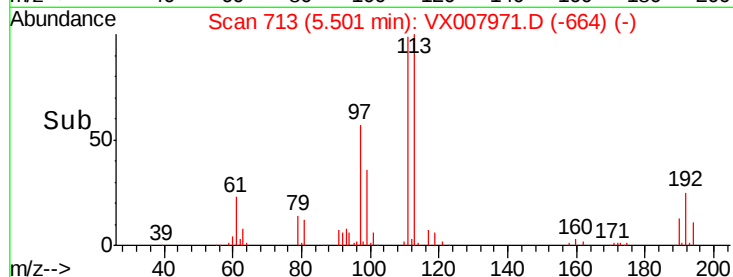
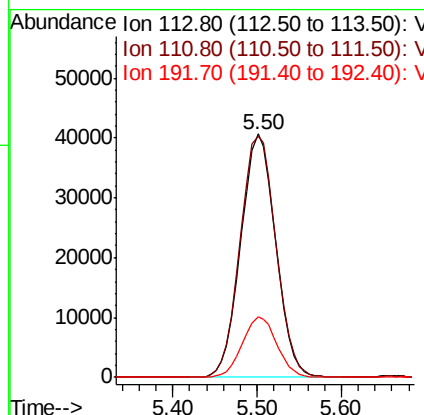
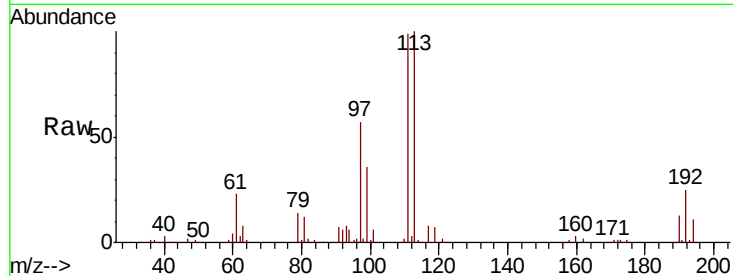
#35
 Dibromofluoromethane
 Concen: 47.360 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	113854		
111	102.3	81.4	122.0	
192	24.7	19.4	29.0	

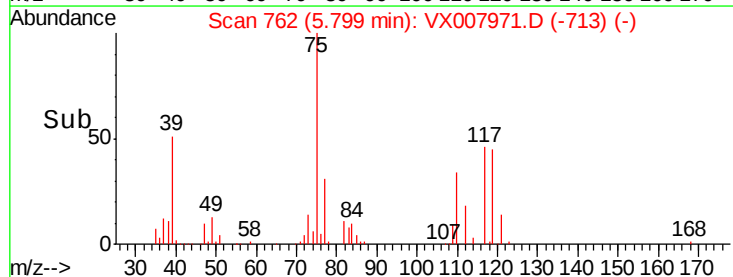
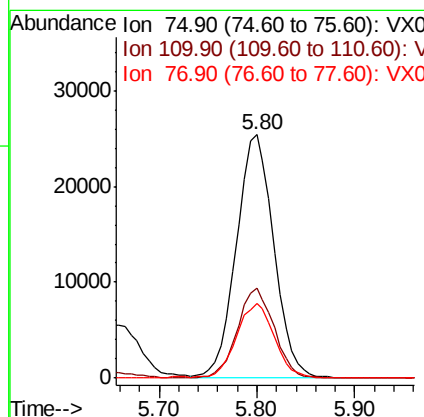
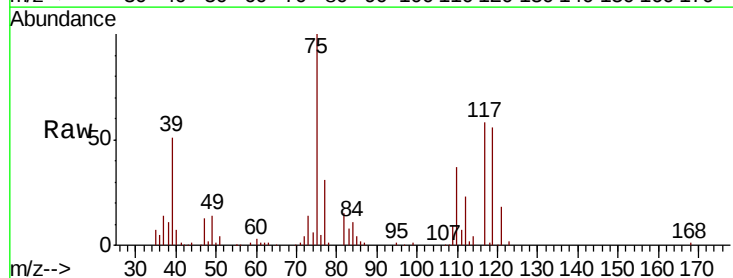
Manual Integrations
 APPROVED

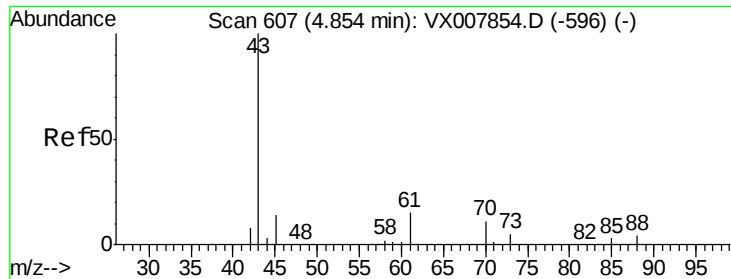
MMDadoda
 3/12/2019 2:20:42 PM



#36
 1,1-Dichloropropene
 Concen: 19.959 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67921		
110	35.9	18.4	55.0	
77	31.0	25.0	37.4	





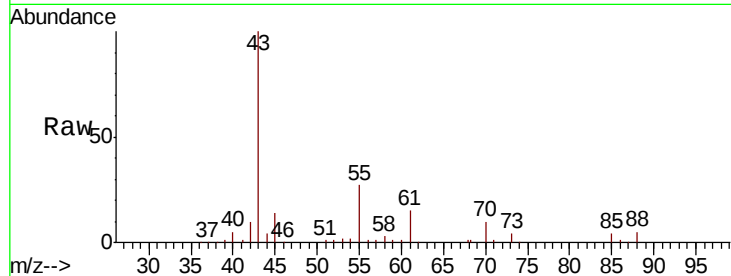
#37
Ethyl Acetate
Concen: 18.805 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM

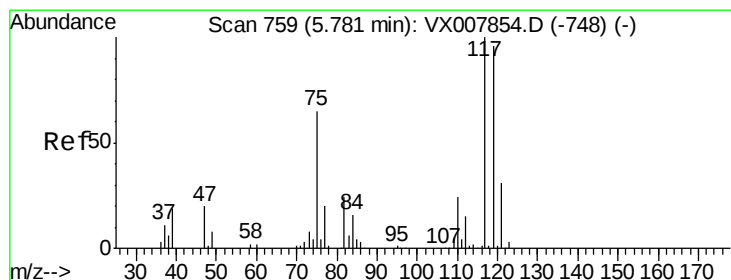
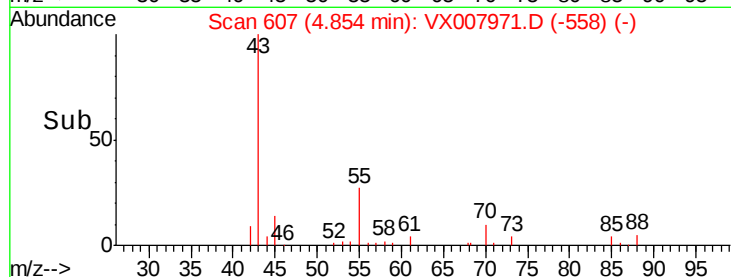
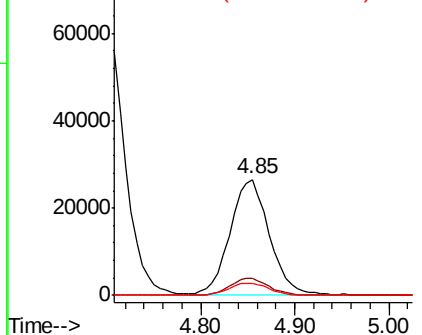


Abundance

Ion 43.00 (42.70 to 43.70): VX0

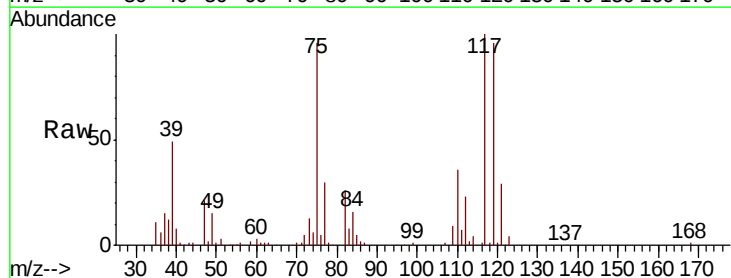
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.866 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	28.9	24.6	36.8

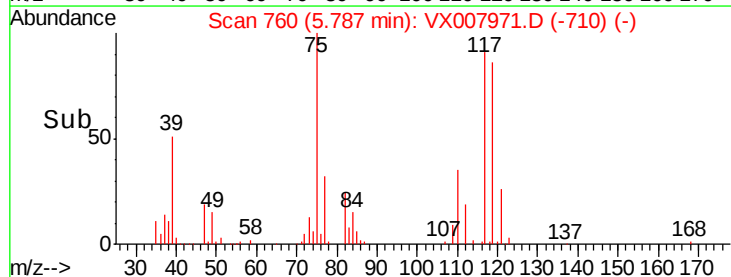
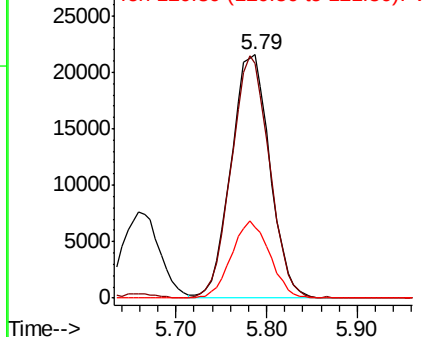


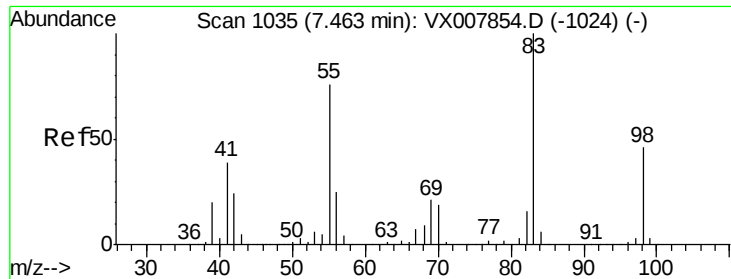
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





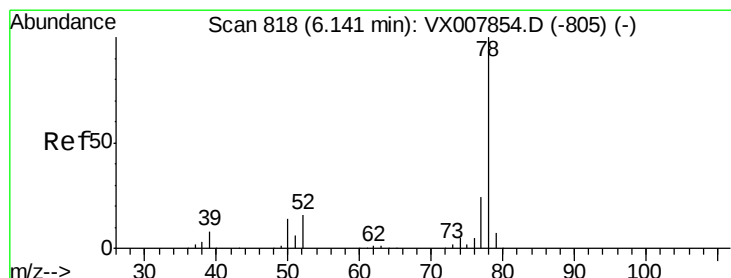
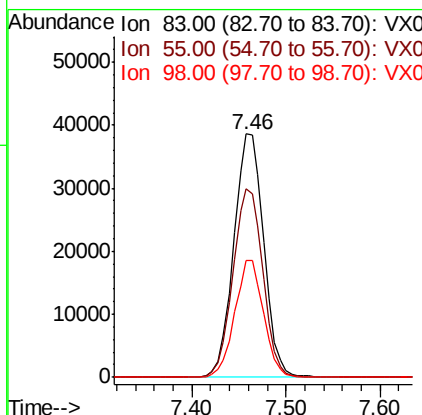
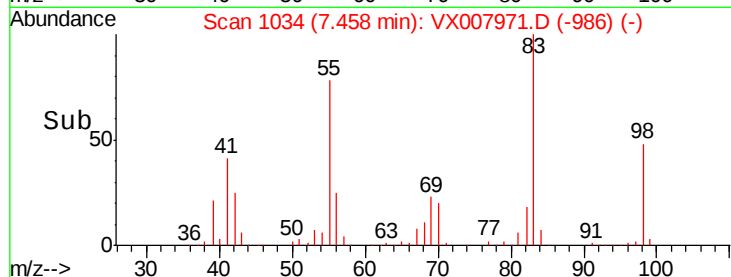
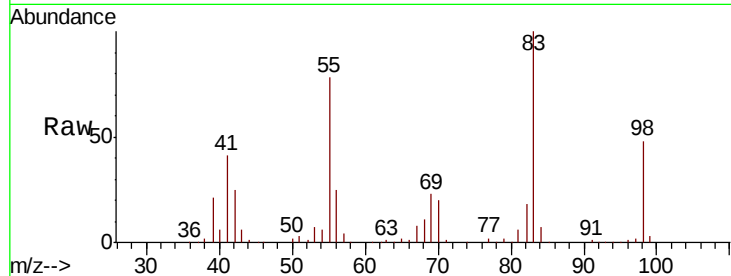
#39
Methylcyclohexane
Concen: 20.704 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.4	90.6
98	48.1	36.5	54.7

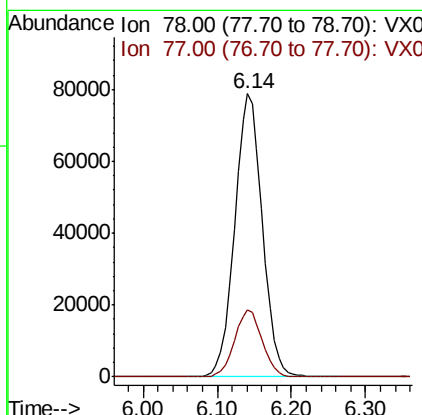
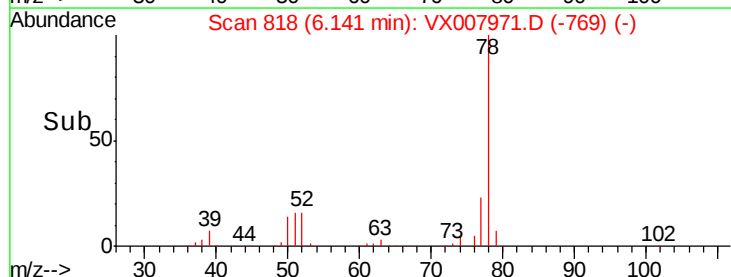
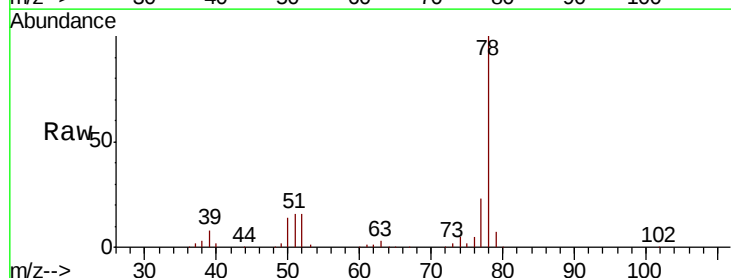
Manual Integrations
APPROVED

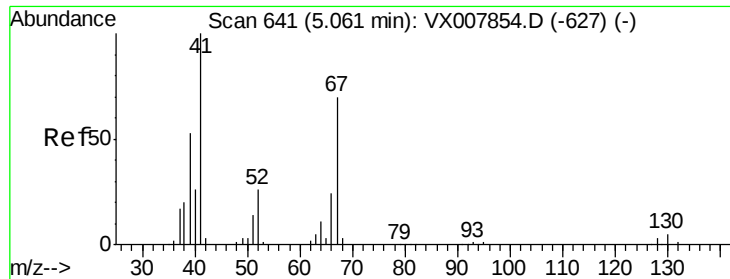
MMDadoda
3/12/2019 2:20:42 PM



#40
Benzene
Concen: 20.170 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





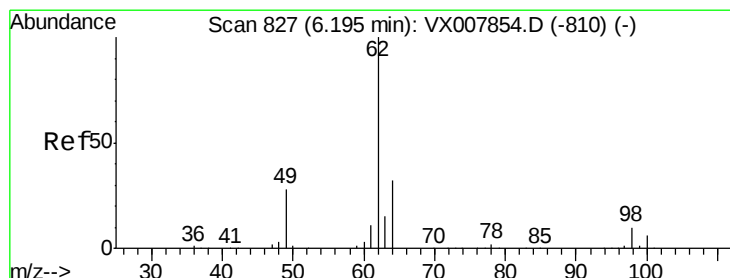
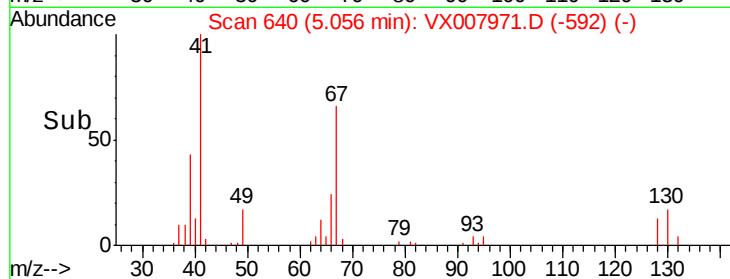
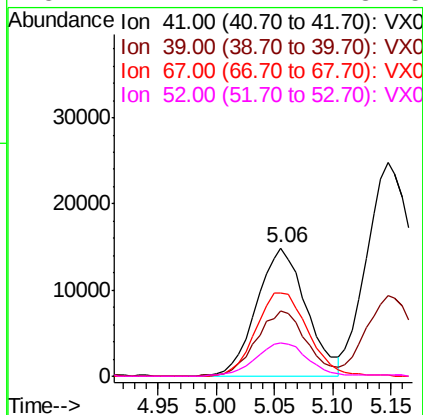
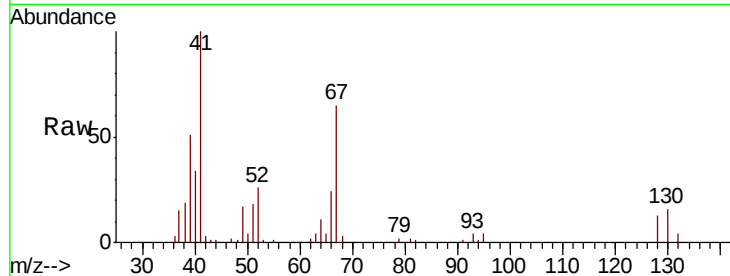
#41
Methacrylonitrile
Concen: 19.991 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	41.6	62.4	
67	68.7	55.8	83.6	
52	27.4	21.7	32.5	

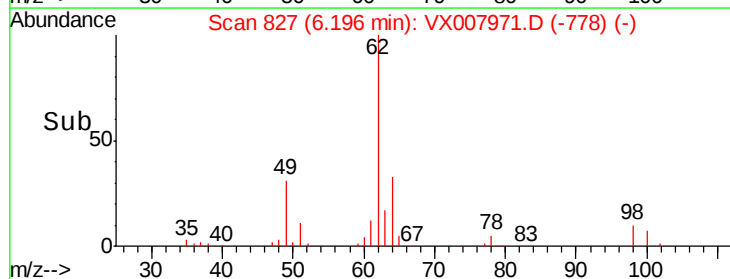
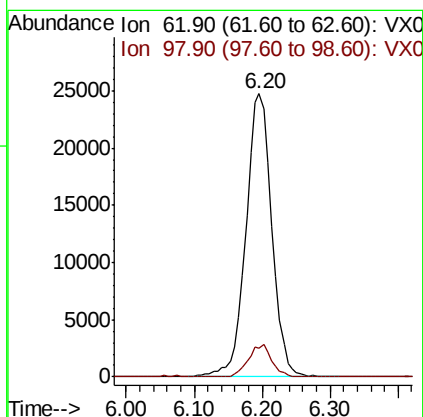
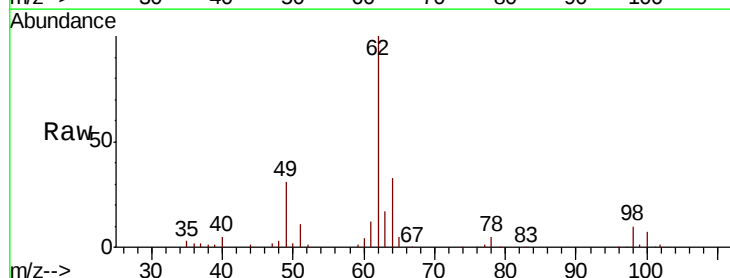
Manual Integrations
APPROVED

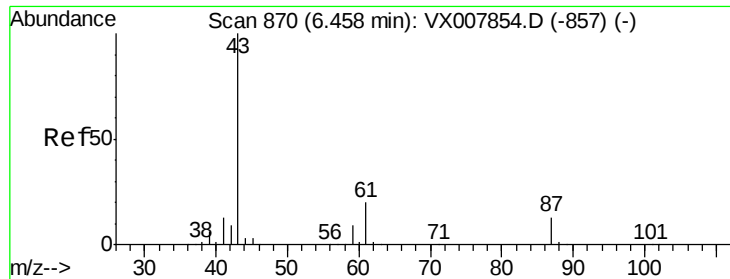
MMDadoda
3/12/2019 2:20:42 PM



#42
1,2-Dichloroethane
Concen: 19.794 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.4	





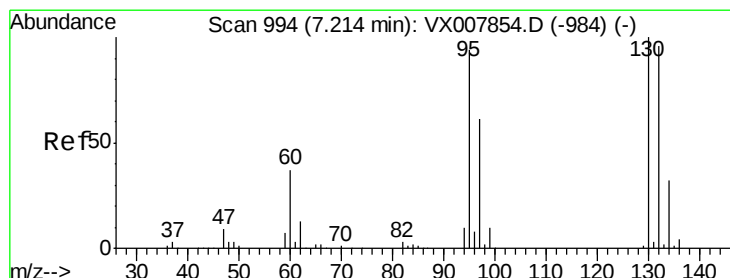
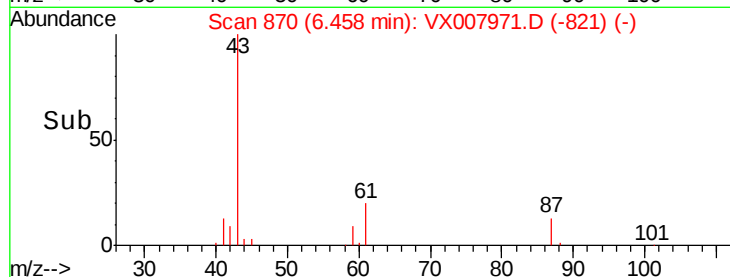
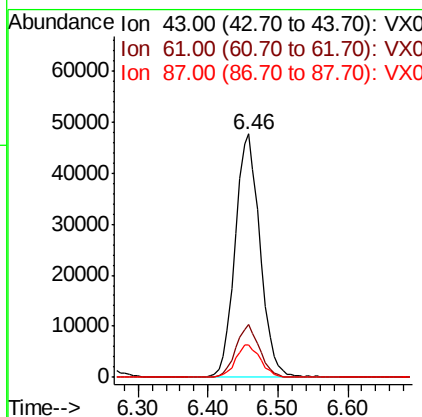
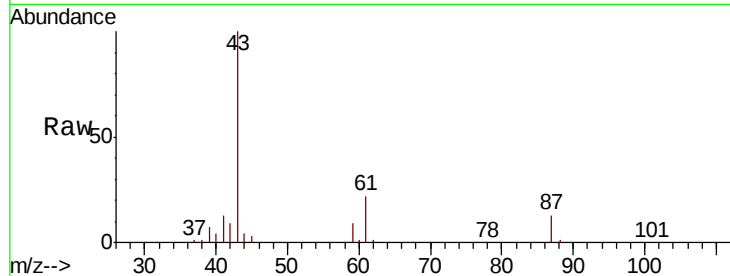
#43
Isopropyl Acetate
Concen: 19.598 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.5	10.5	15.7

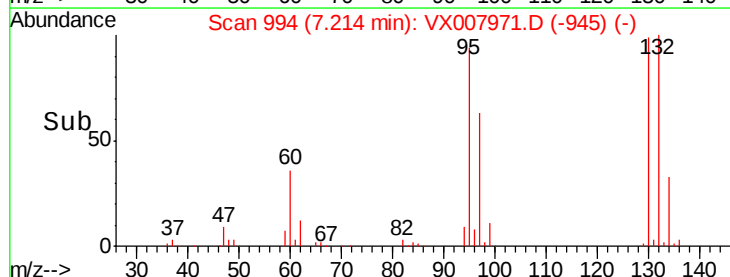
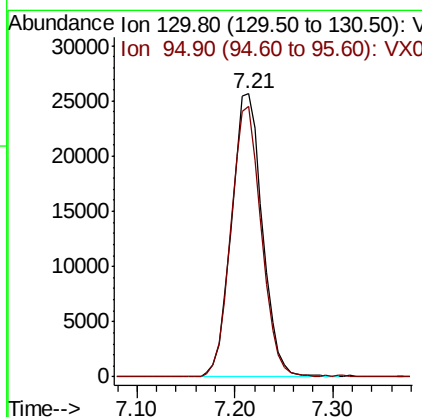
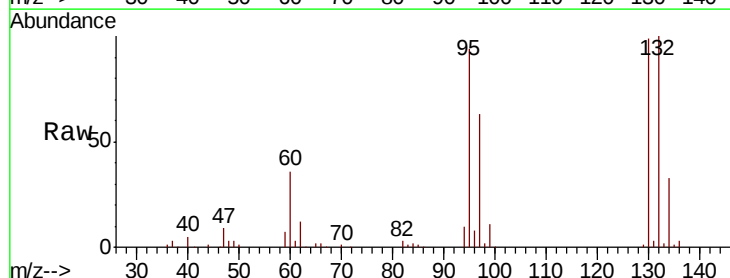
Manual Integrations
APPROVED

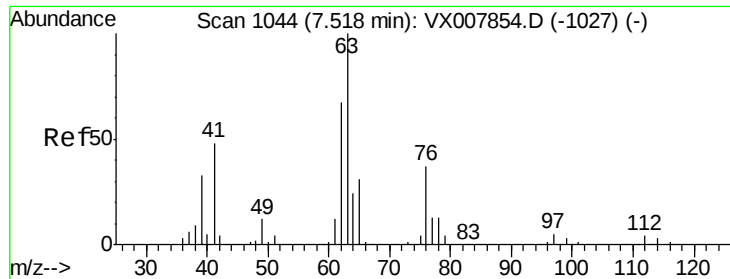
MMDadoda
3/12/2019 2:20:42 PM



#44
Trichloroethene
Concen: 20.099 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	188.0





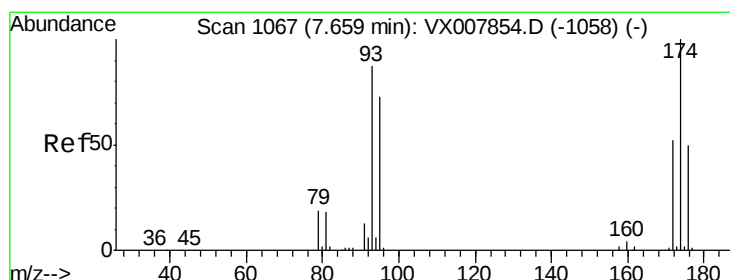
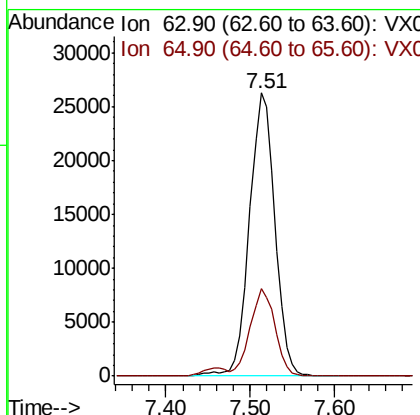
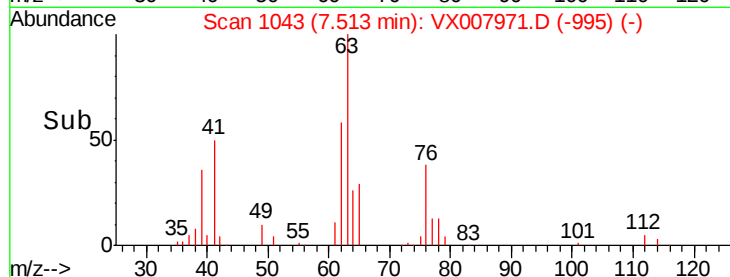
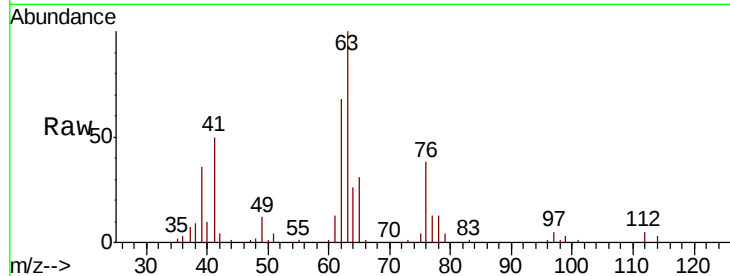
#45
 1,2-Dichloropropane
 Concen: 20.059 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion: 63 Resp: 53673
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

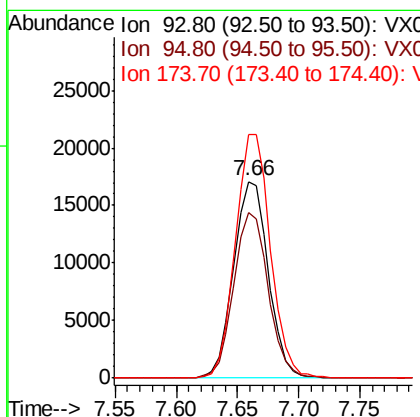
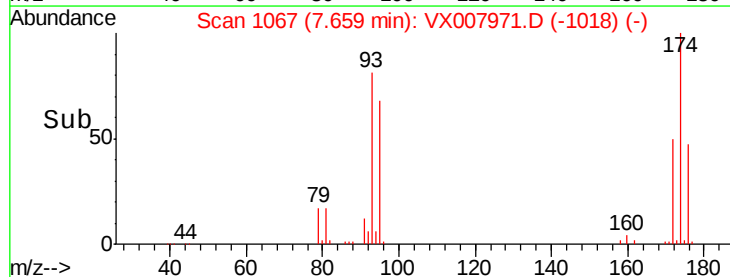
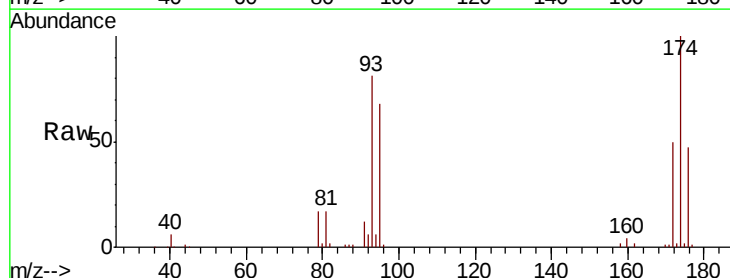
Manual Integrations
 APPROVED

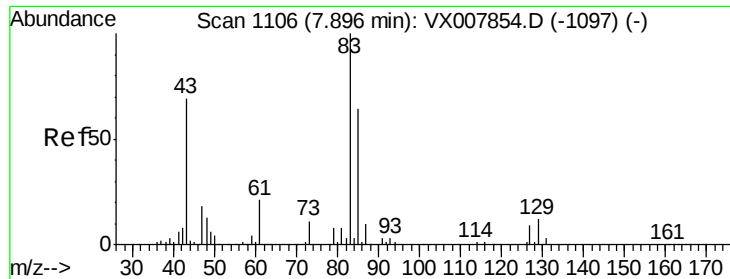
MMDadoda
 3/12/2019 2:20:42 PM



#46
 Dibromomethane
 Concen: 19.875 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion: 93 Resp: 33655
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 124.8 97.3 145.9





#47

Bromodichloromethane

Concen: 19.807 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

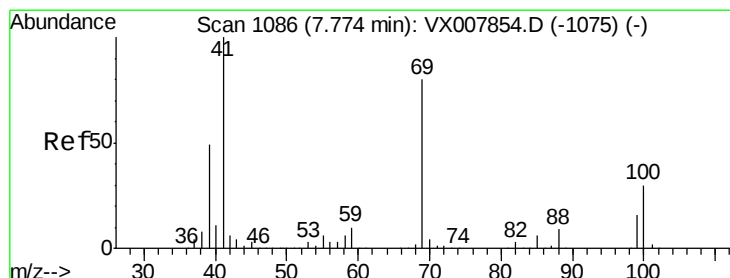
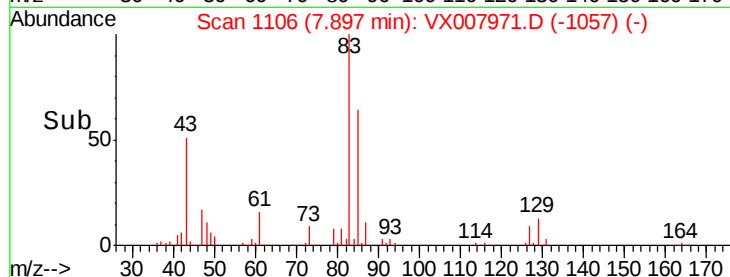
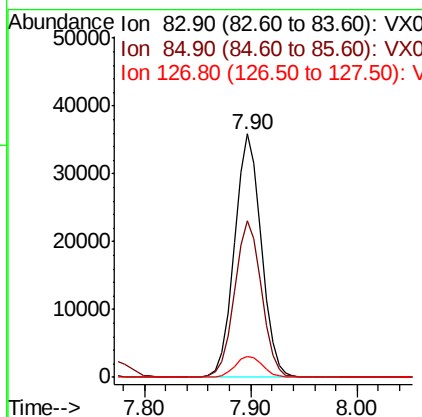
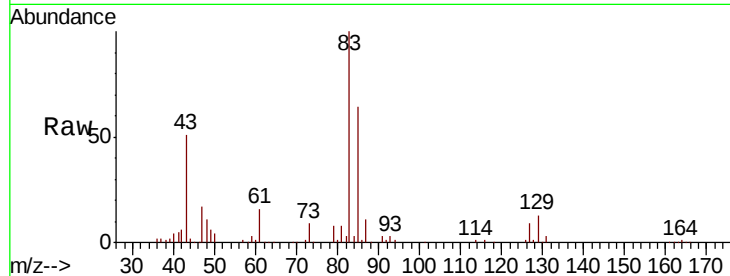
ClientSampleId :

VX0311WBS02

Tgt Ion:	83	Resp:	63590
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.9	76.3
127	8.8	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM



#48

Methyl methacrylate

Concen: 19.449 ug/l

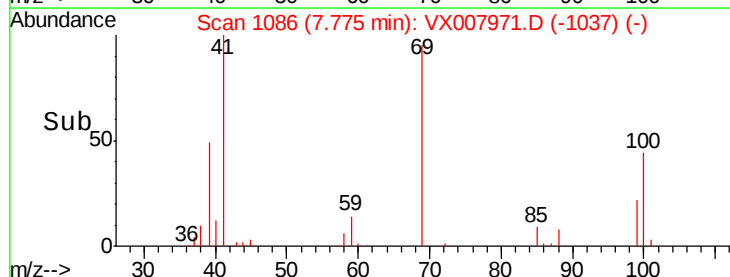
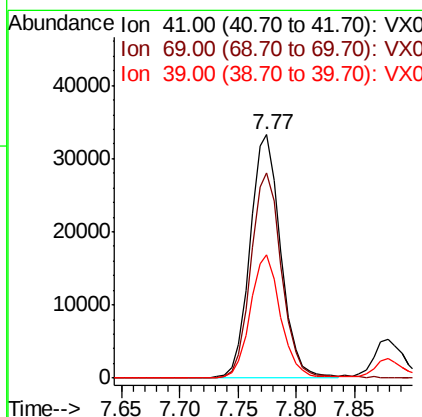
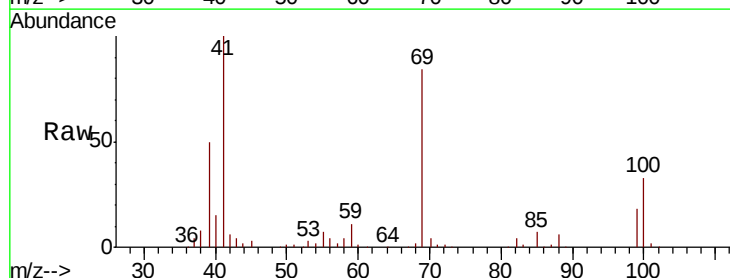
RT: 7.77 min Scan# 1086

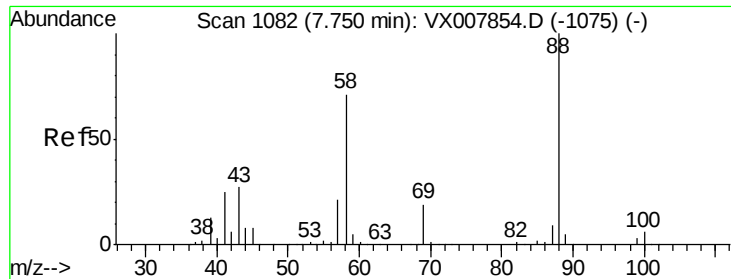
Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion:	41	Resp:	61114
Ion Ratio	Lower	Upper	
41	100		
69	84.8	65.2	97.8
39	50.0	39.4	59.2





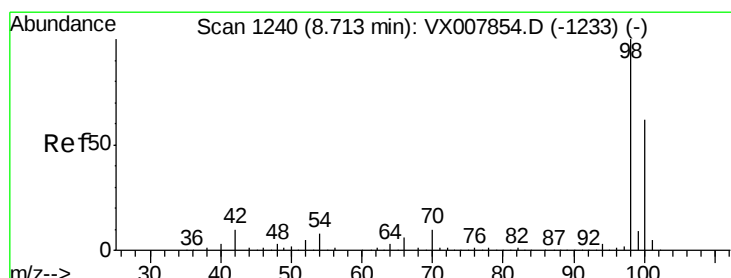
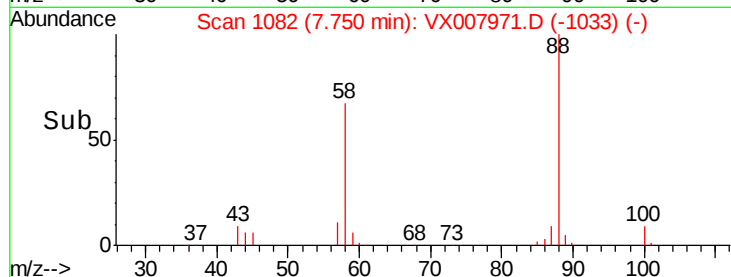
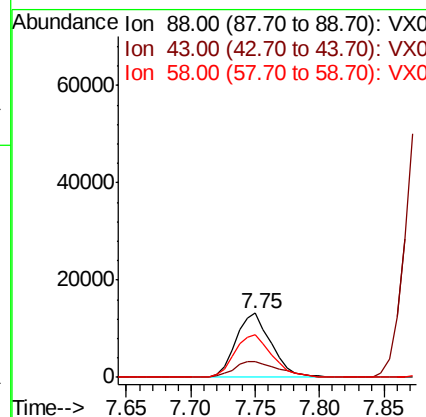
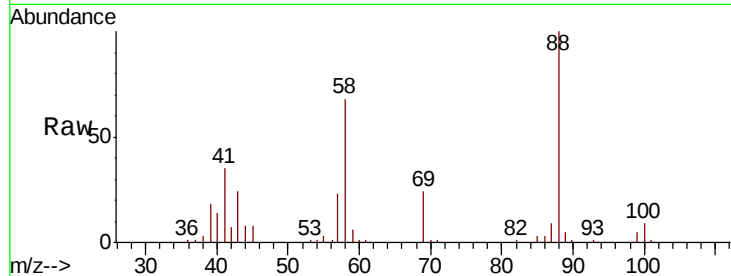
#49
1,4-Dioxane
Concen: 390.402 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 88 Resp: 25200
Ion Ratio Lower Upper
88 100
43 32.7 25.1 37.7
58 71.3 57.8 86.6

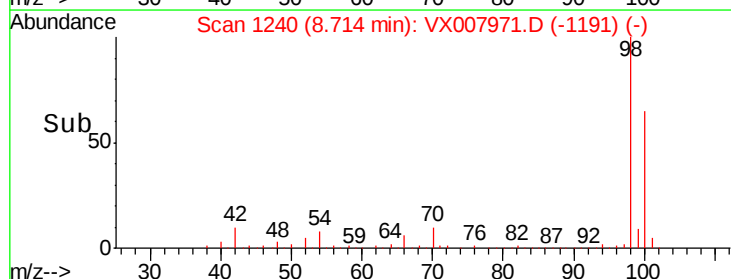
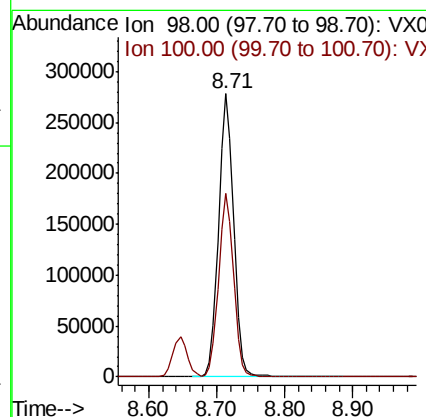
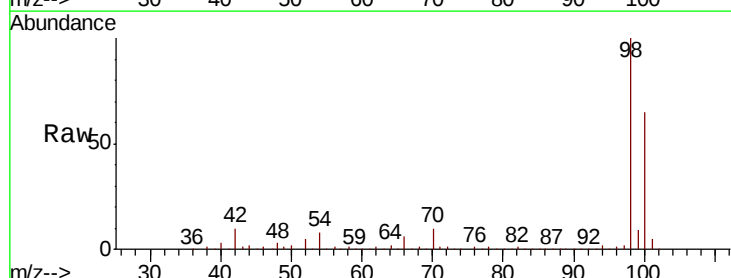
Manual Integrations
APPROVED

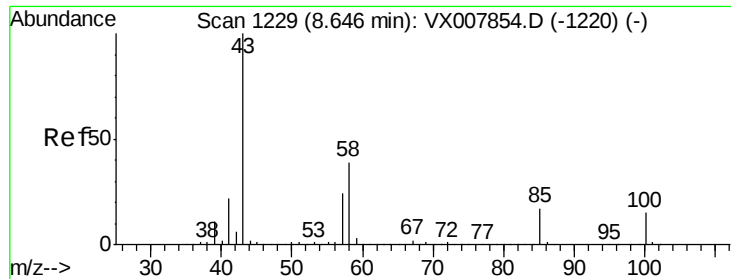
MMDadoda
3/12/2019 2:20:42 PM



#50
Toluene-d8
Concen: 48.544 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 98 Resp: 428591
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5





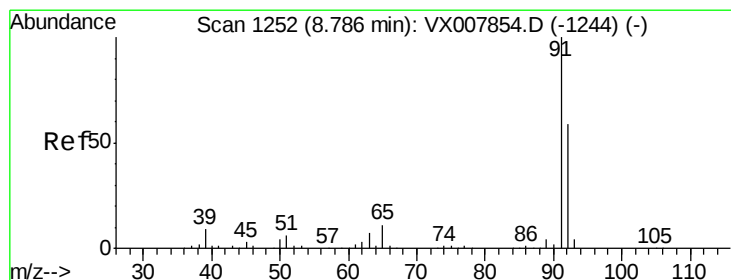
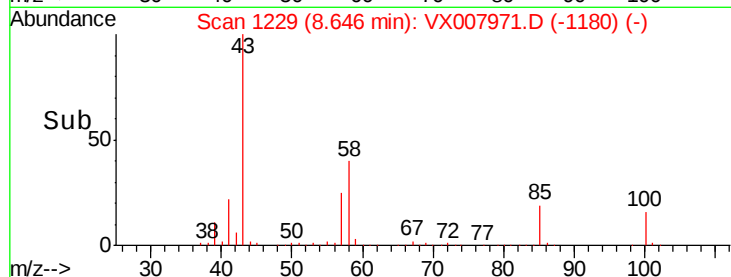
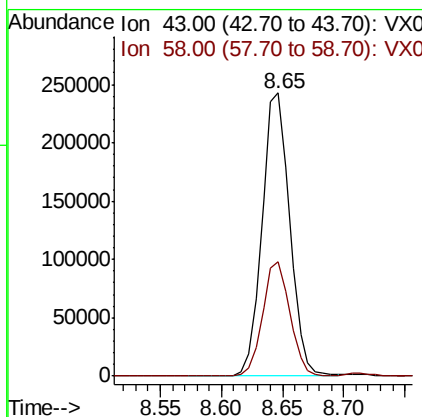
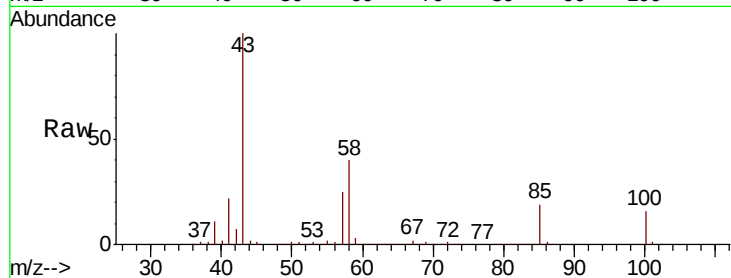
#51
4-Methyl-2-Pentanone
Concen: 99.628 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.3	46.9

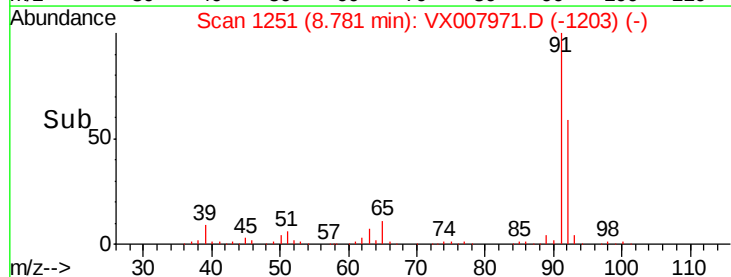
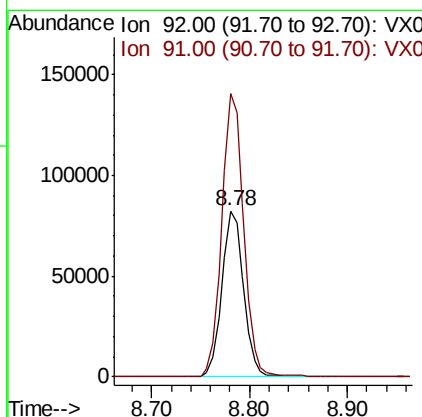
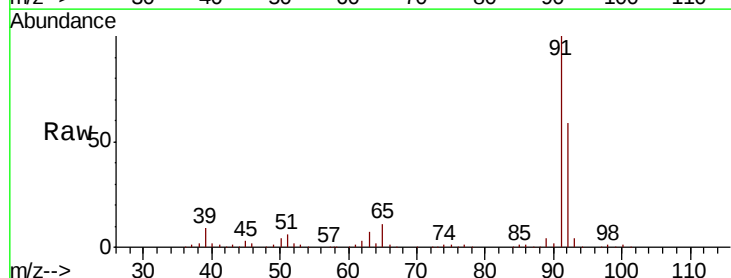
Manual Integrations
APPROVED

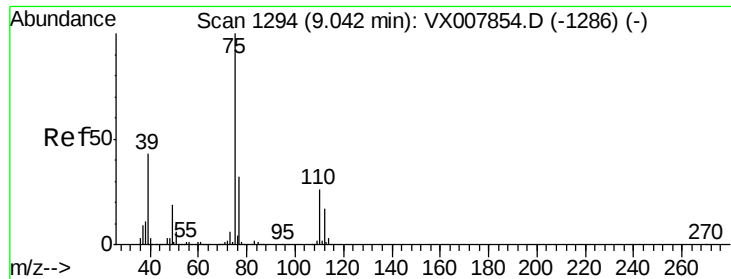
MMDadoda
3/12/2019 2:20:42 PM



#52
Toluene
Concen: 20.574 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.4	206.0





#53

t-1,3-Dichloropropene

Concen: 20.294 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS02

Tgt Ion: 75 Resp: 68004

Ion Ratio Lower Upper

75 100

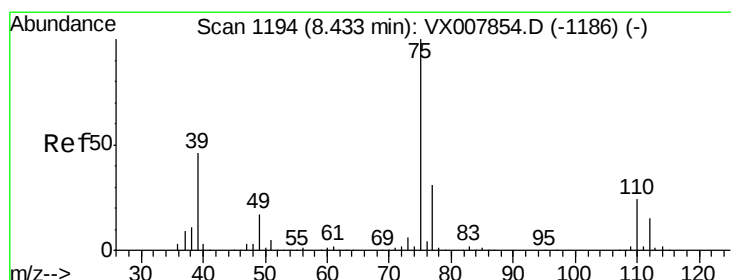
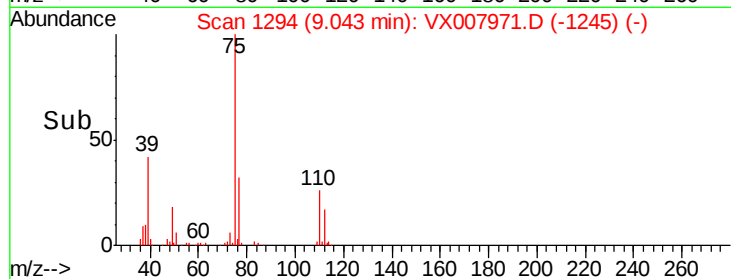
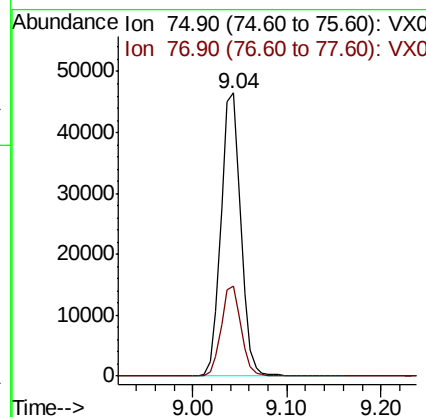
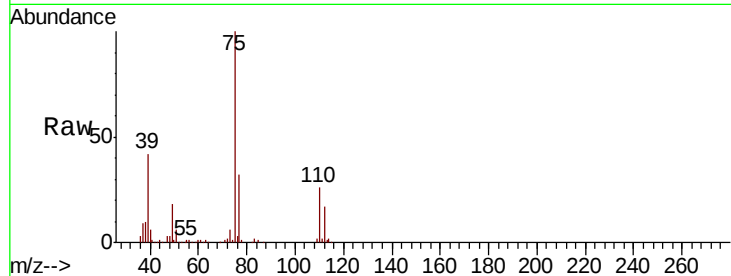
77 31.7 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#54

cis-1,3-Dichloropropene

Concen: 20.550 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

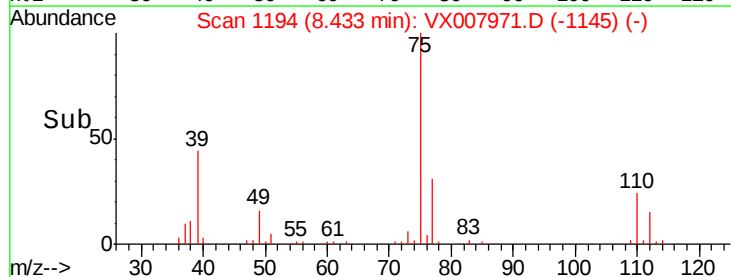
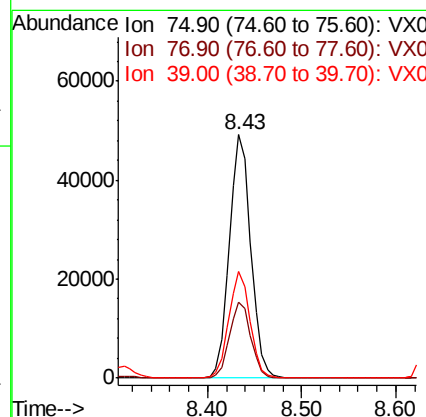
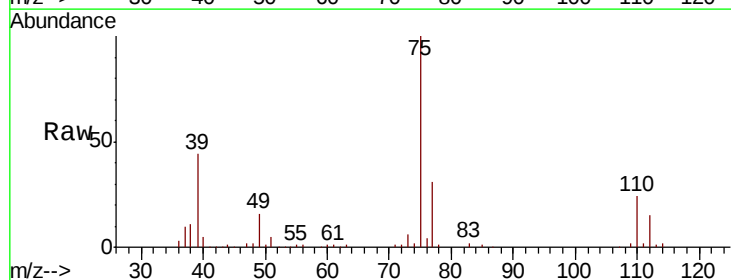
Tgt Ion: 75 Resp: 77765

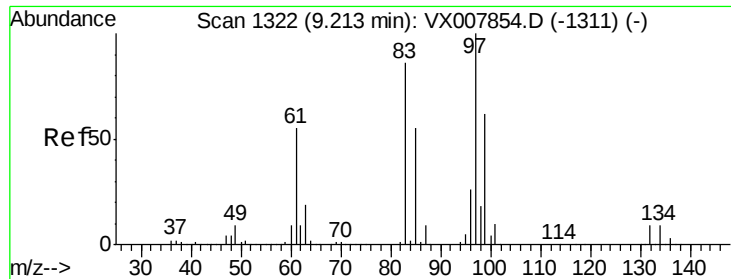
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 43.8 36.6 54.8





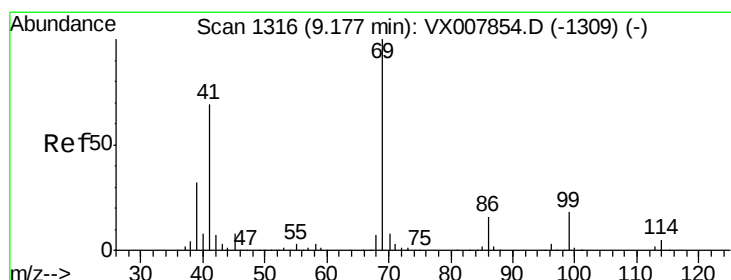
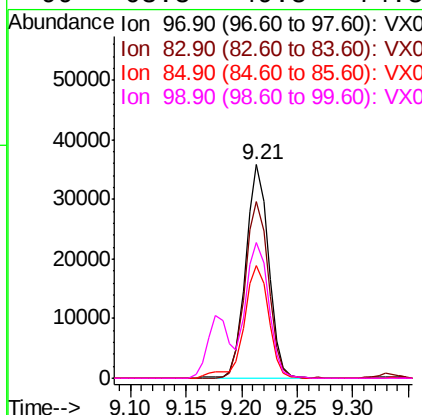
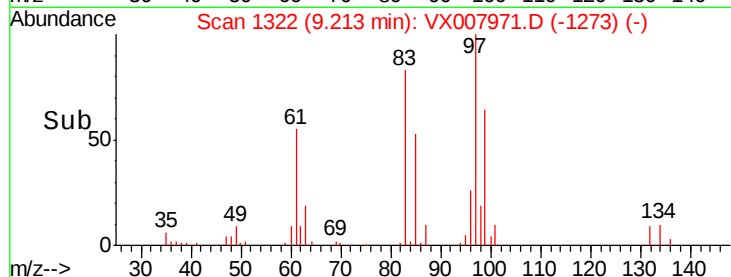
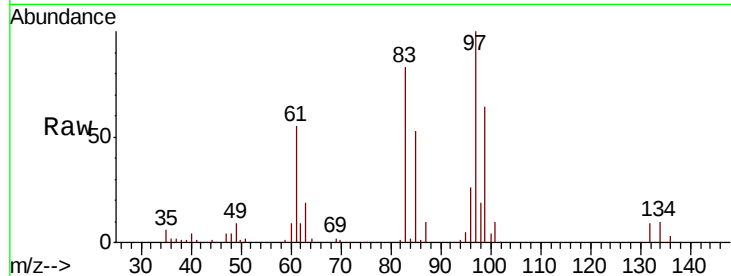
#55
 1,1,2-Trichloroethane
 Concen: 20.589 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.1	103.7
85	53.0	44.3	66.5
99	63.8	49.8	74.8

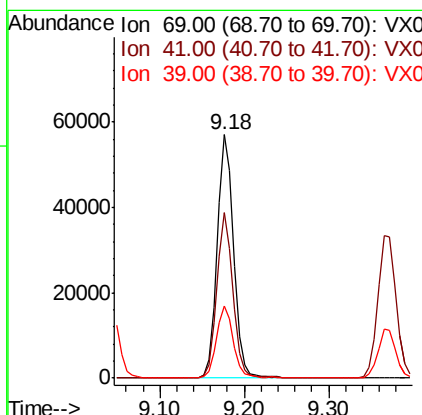
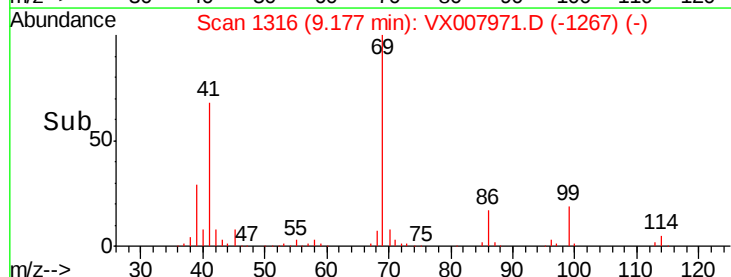
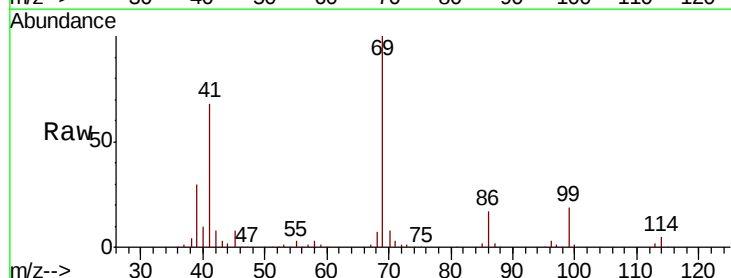
Manual Integrations
 APPROVED

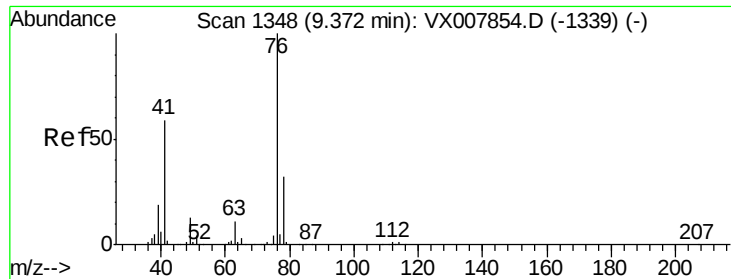
MMDadoda
 3/12/2019 2:20:42 PM



#56
 Ethyl methacrylate
 Concen: 20.636 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.2	81.4
39	29.9	25.0	37.4





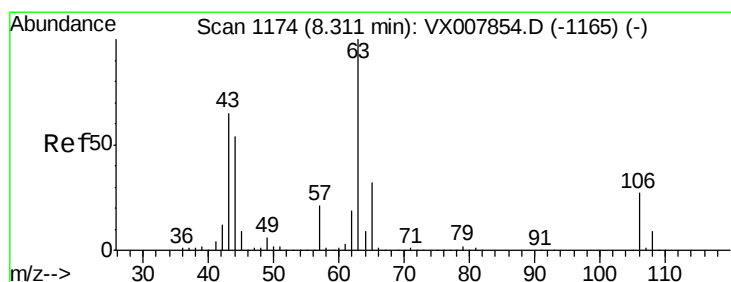
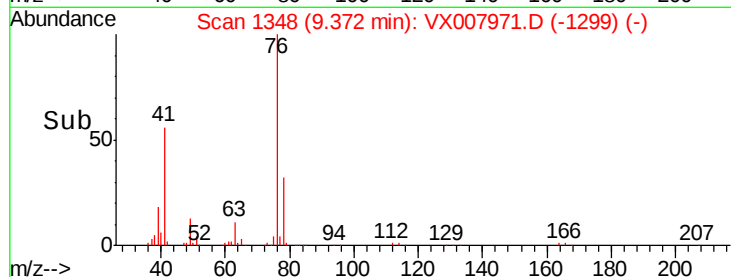
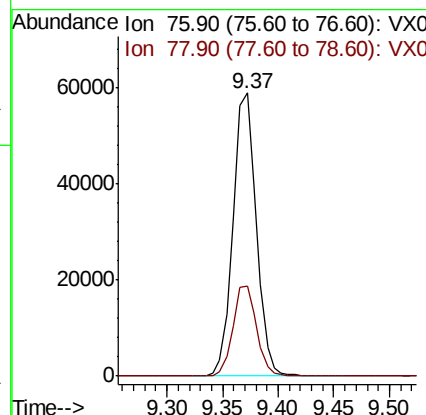
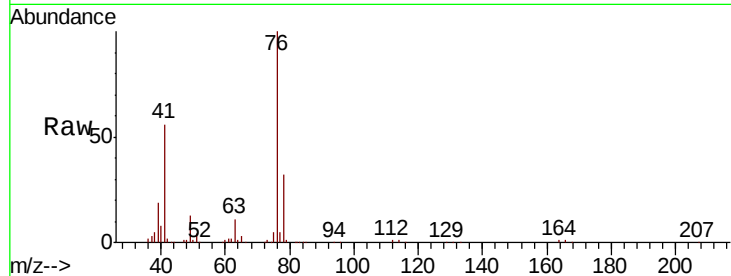
#57
 1,3-Dichloropropane
 Concen: 20.340 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion: 76 Resp: 85513
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

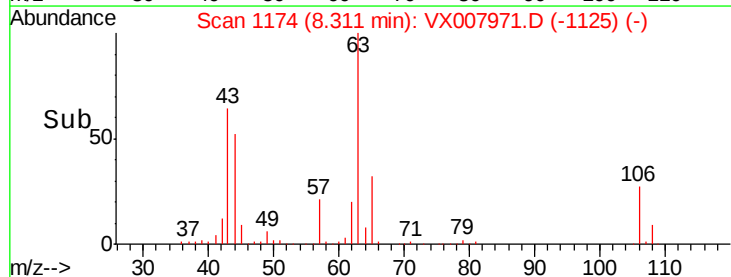
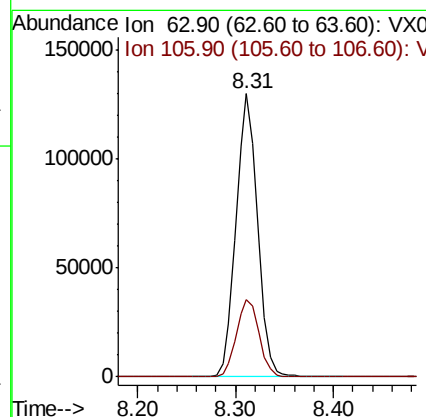
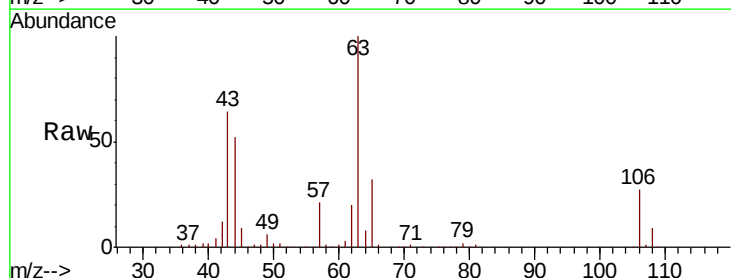
Manual Integrations
 APPROVED

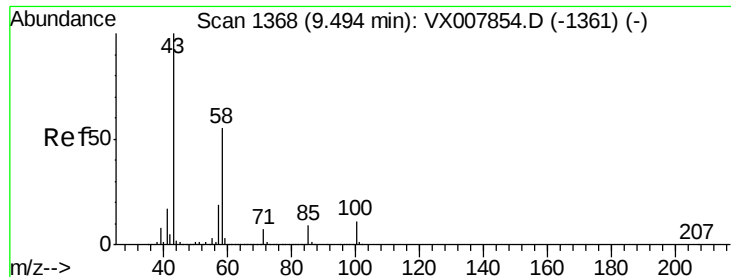
MMDadoda
 3/12/2019 2:20:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.146 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion: 63 Resp: 198637
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.2 33.2





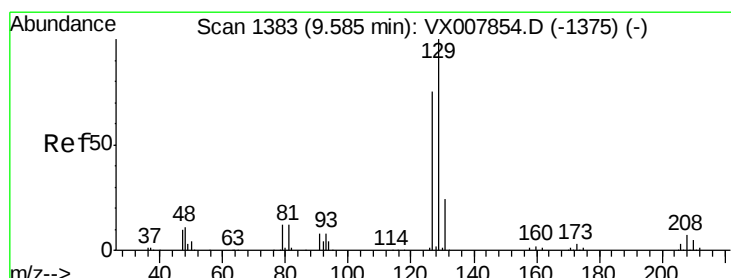
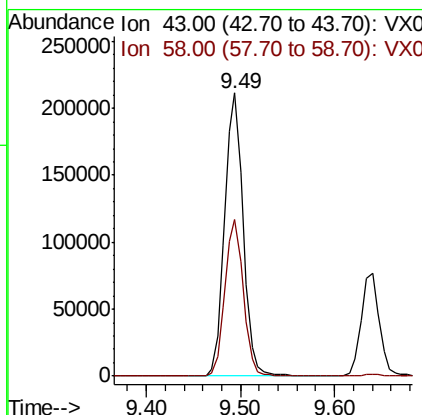
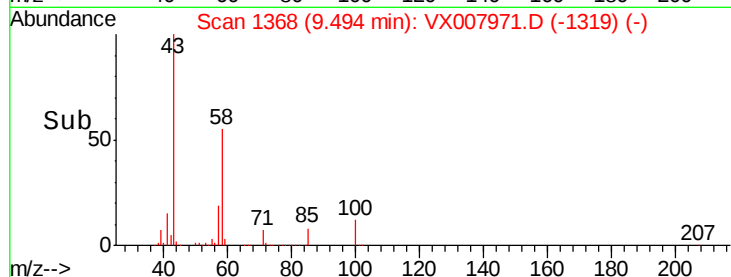
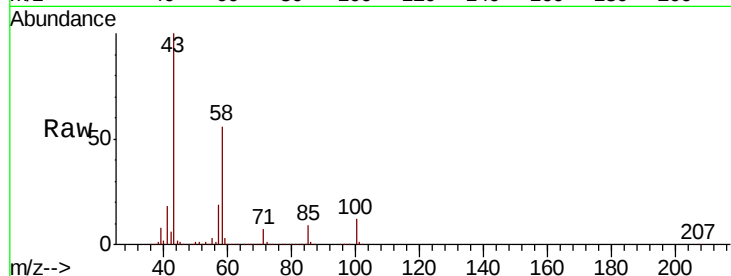
#59
2-Hexanone
Concen: 96.836 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 43 Resp: 288967
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7

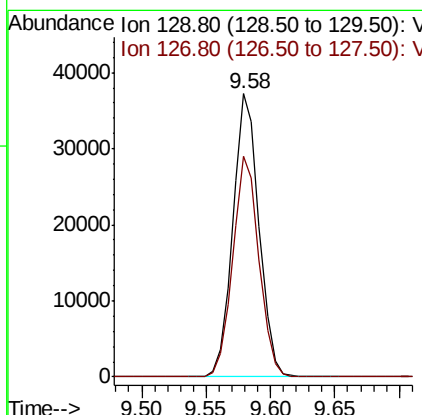
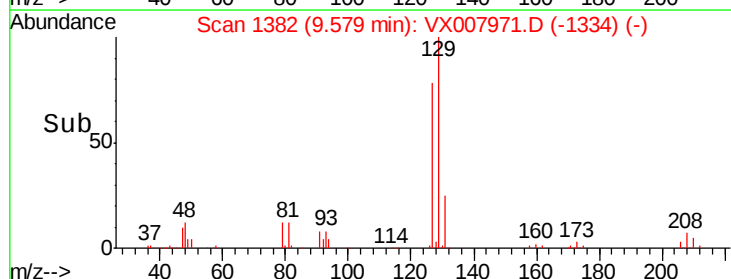
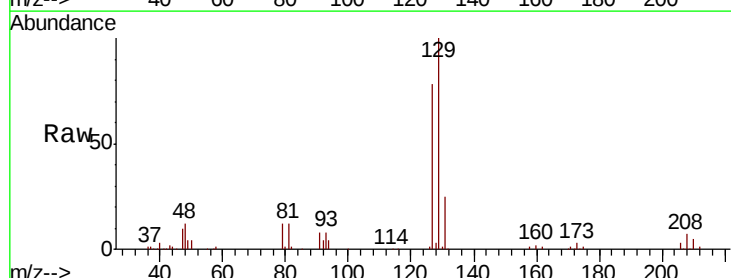
Manual Integrations
APPROVED

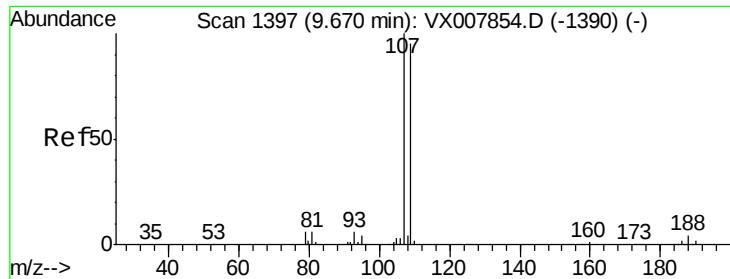
MMDadoda
3/12/2019 2:20:42 PM



#60
Dibromochloromethane
Concen: 20.014 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 129 Resp: 52379
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.494 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 107 Resp: 54481

Ion Ratio Lower Upper

107 100

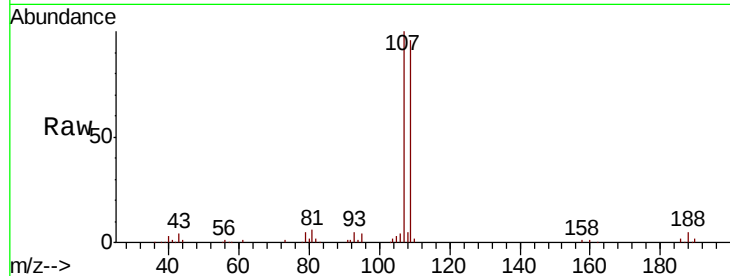
109 95.4 75.8 113.8

Manual Integrations

APPROVED

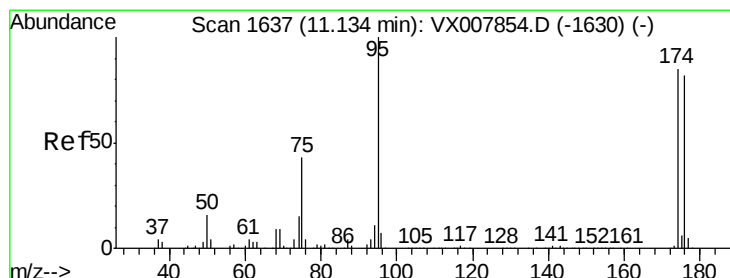
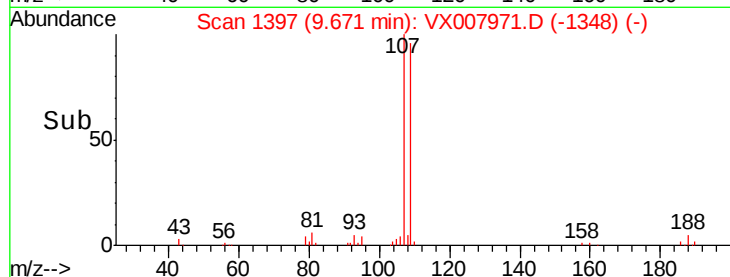
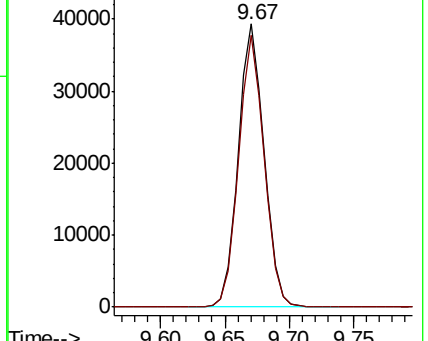
MMDadoda

3/12/2019 2:20:42 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

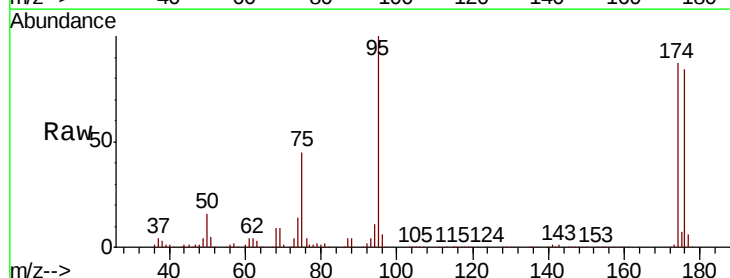
Tgt Ion: 95 Resp: 153817

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

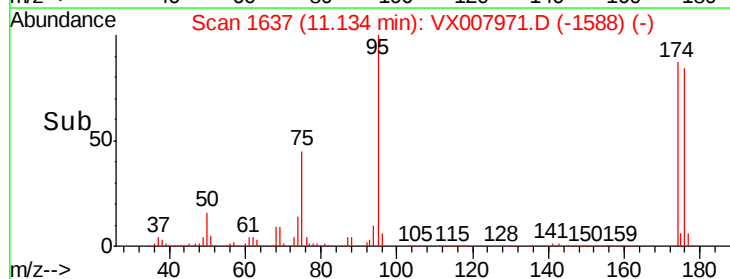
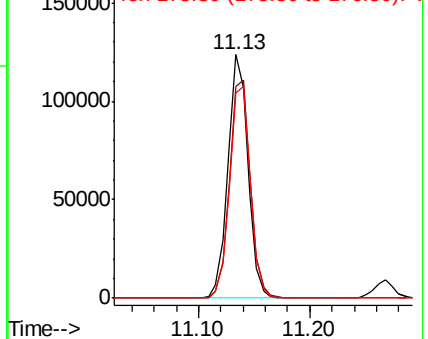
176 90.3 0.0 178.0

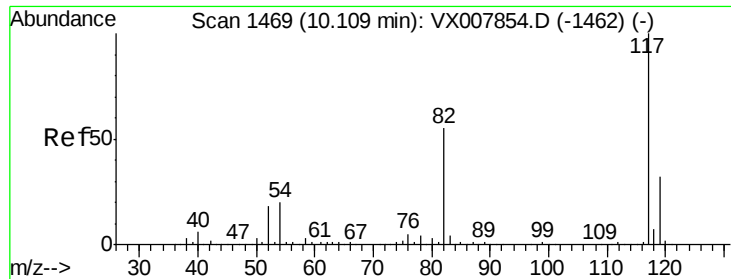


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





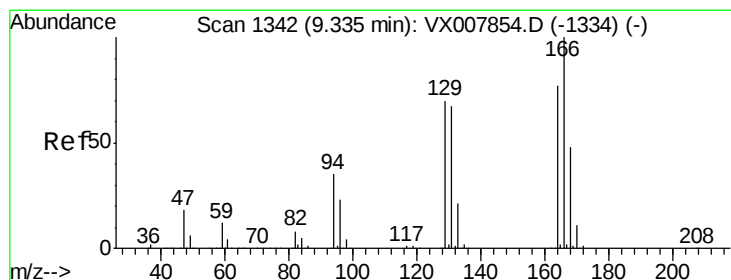
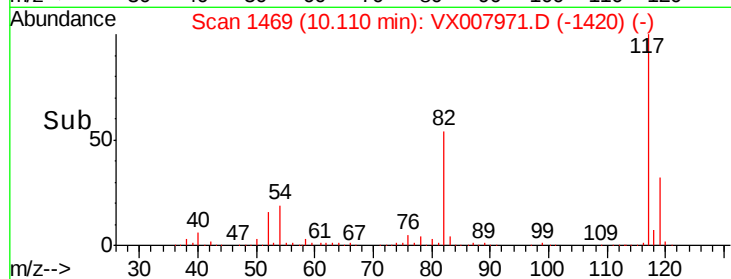
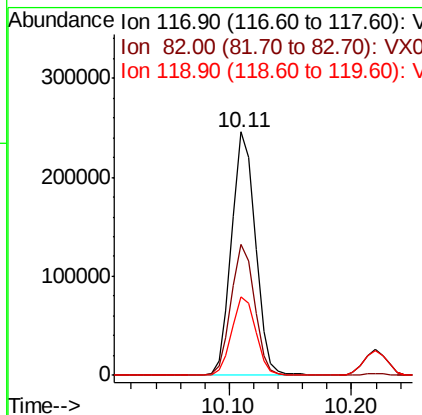
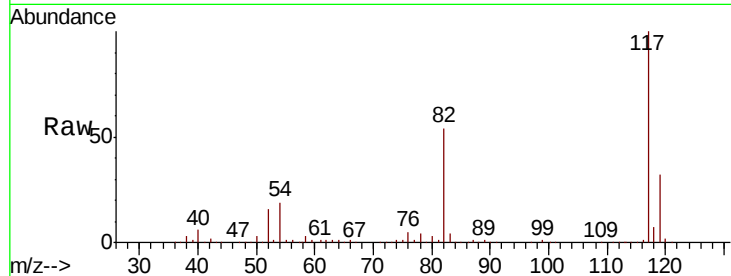
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	330580		
82	53.9	44.3	66.5	
119	32.0	25.3	37.9	

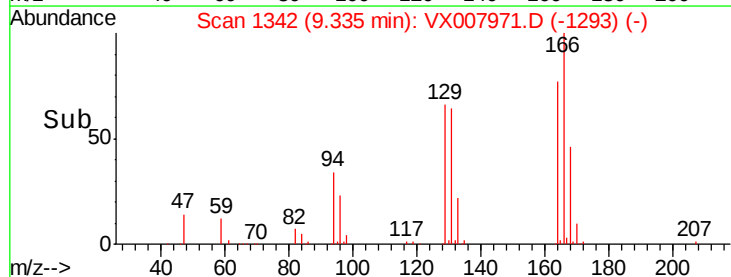
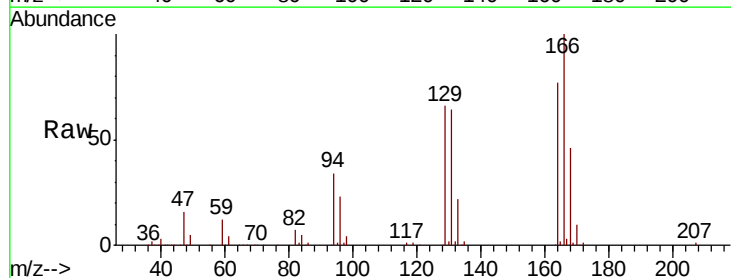
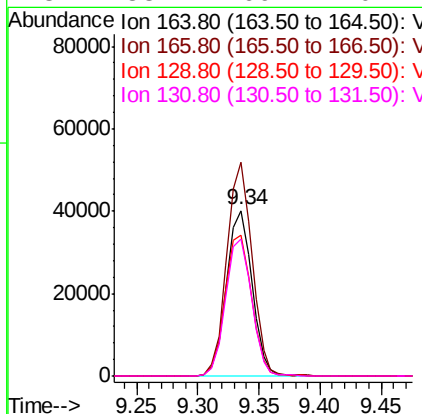
Manual Integrations
APPROVED

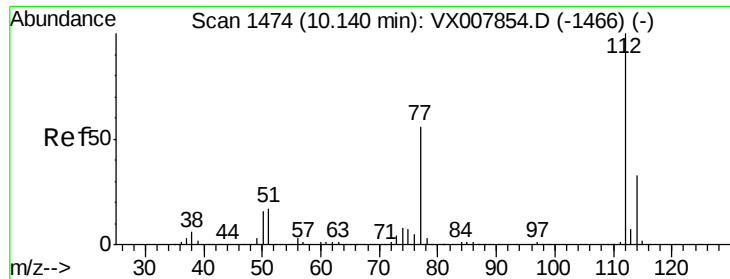
MMDadoda
3/12/2019 2:20:42 PM



#64
Tetrachloroethene
Concen: 21.255 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58228		
166	129.2	103.4	155.0	
129	85.3	72.2	108.4	
131	83.1	69.4	104.2	





#65

Chlorobenzene

Concen: 20.439 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion:112 Resp: 141389

Ion Ratio Lower Upper

112 100

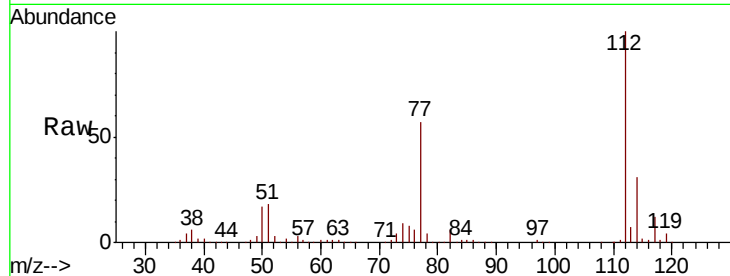
114 31.5 26.0 39.0

Manual Integrations

APPROVED

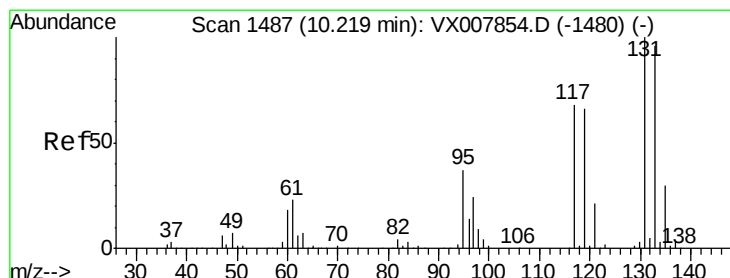
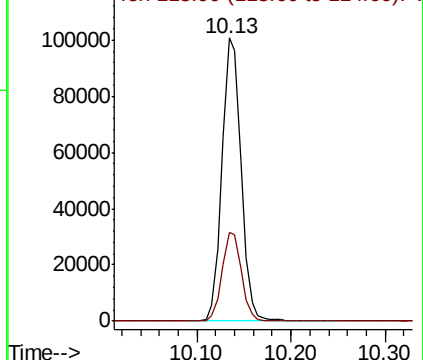
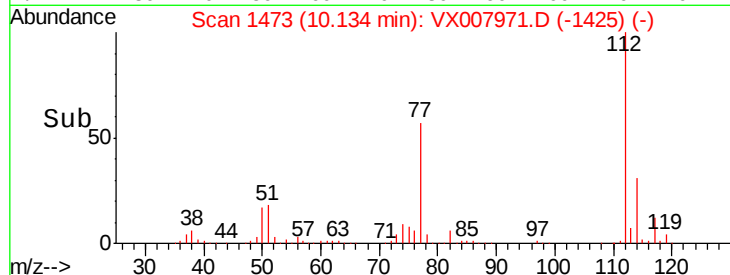
MMDadoda

3/12/2019 2:20:42 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.475 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

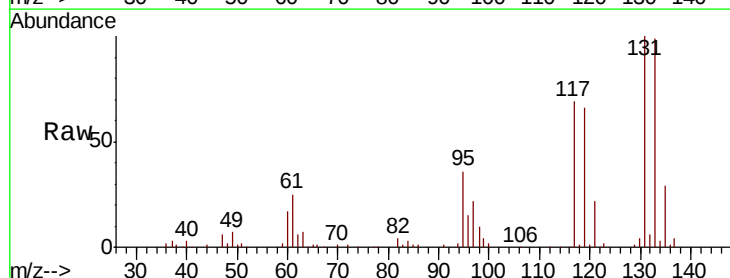
Tgt Ion:131 Resp: 50762

Ion Ratio Lower Upper

131 100

133 97.1 47.8 143.3

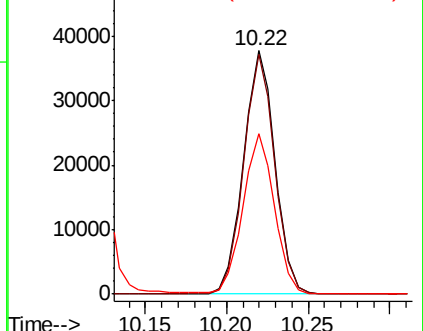
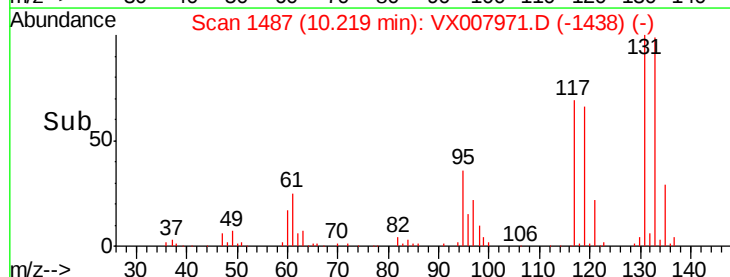
119 65.9 32.5 97.5

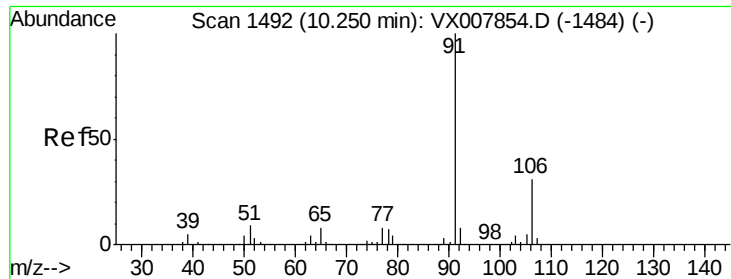


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.583 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 91 Resp: 234382

Ion Ratio Lower Upper

91 100

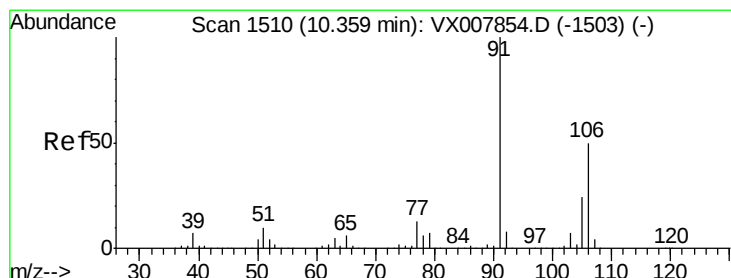
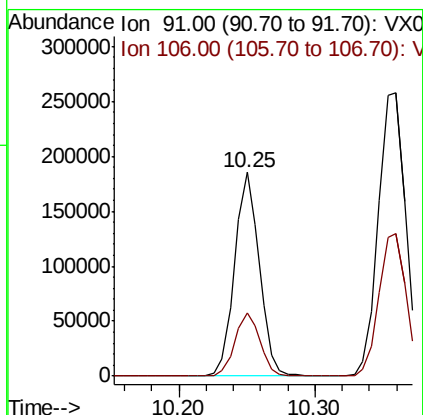
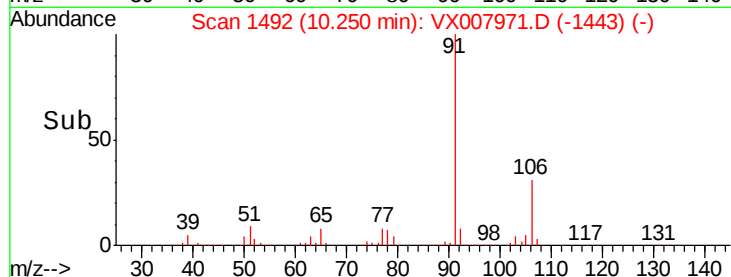
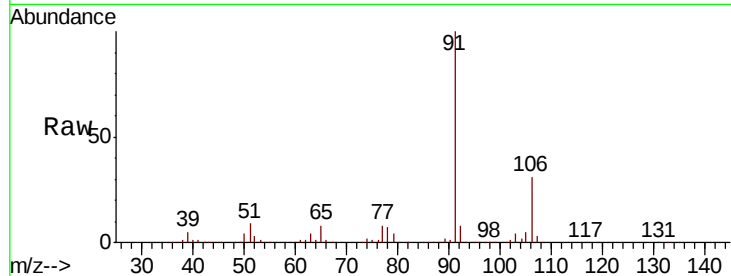
106 31.1 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#68

m/p-Xylenes

Concen: 41.645 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007971.D

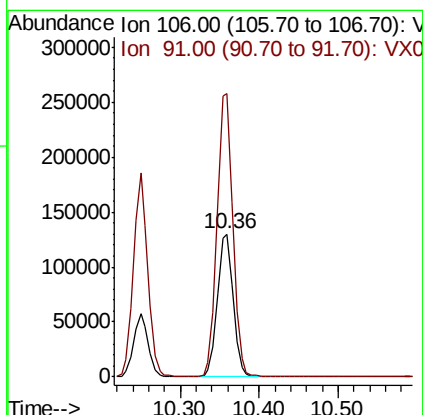
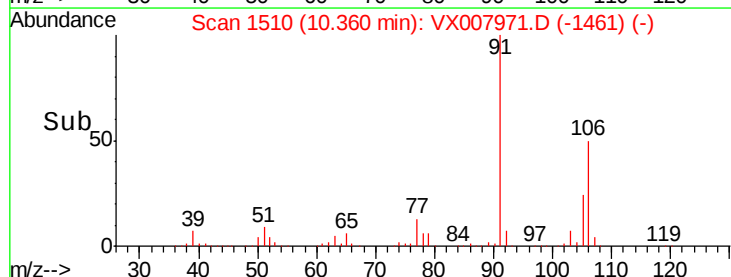
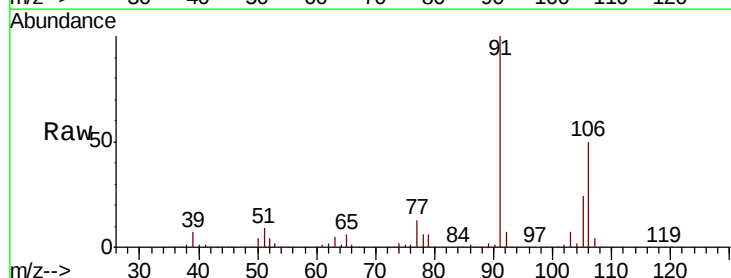
Acq: 11 Mar 2019 15:50

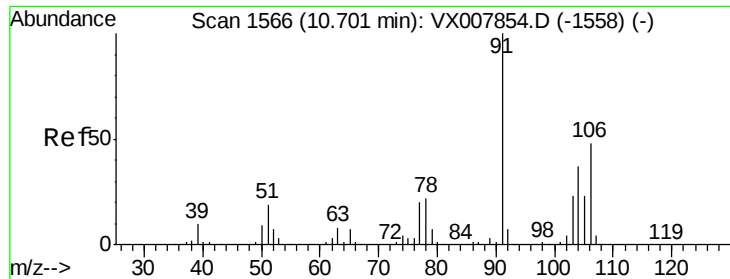
Tgt Ion: 106 Resp: 182788

Ion Ratio Lower Upper

106 100

91 198.7 159.8 239.6





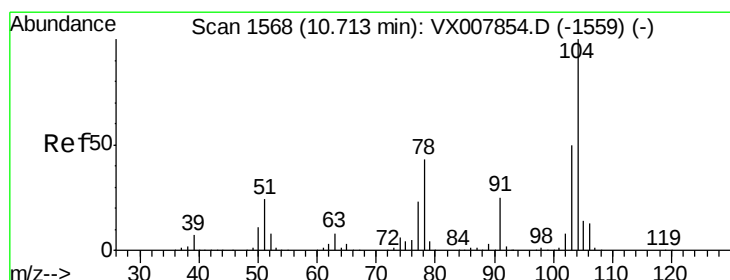
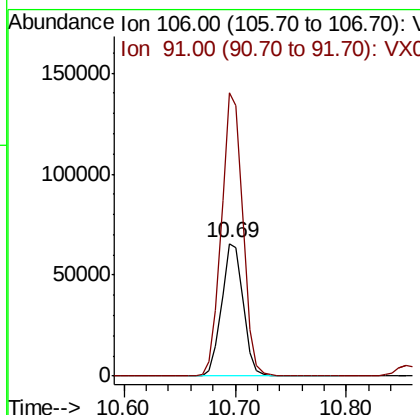
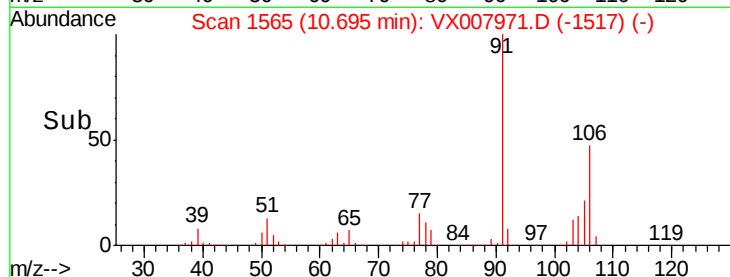
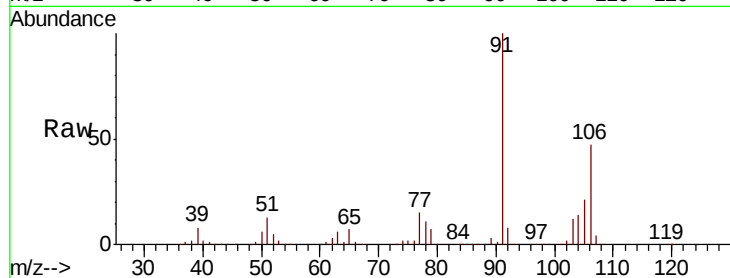
#69
o-Xylene
Concen: 20.734 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion:106 Resp: 87862
Ion Ratio Lower Upper
106 100
91 211.8 106.3 318.9

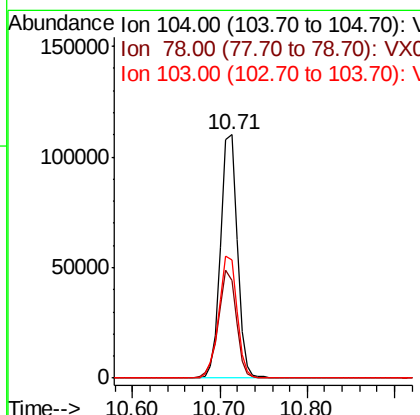
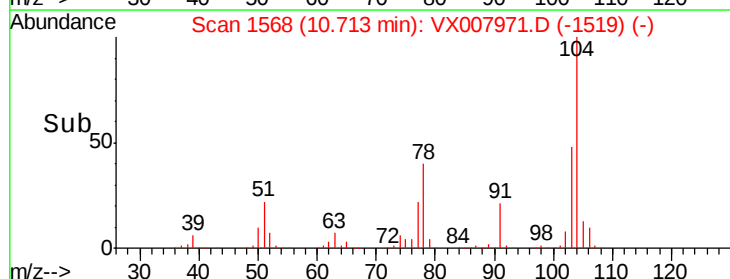
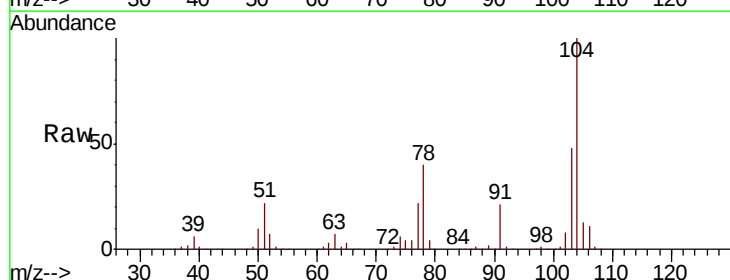
Manual Integrations
APPROVED

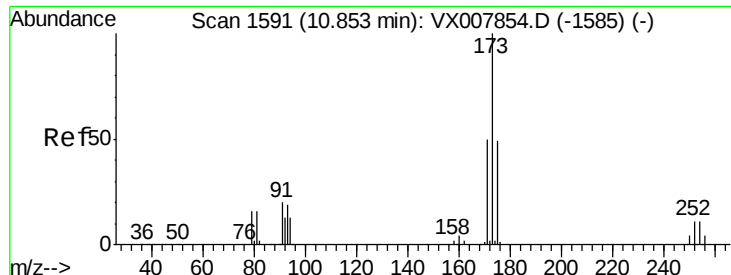
MMDadoda
3/12/2019 2:20:42 PM



#70
Styrene
Concen: 20.967 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion:104 Resp: 145389
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.6 44.1 66.1





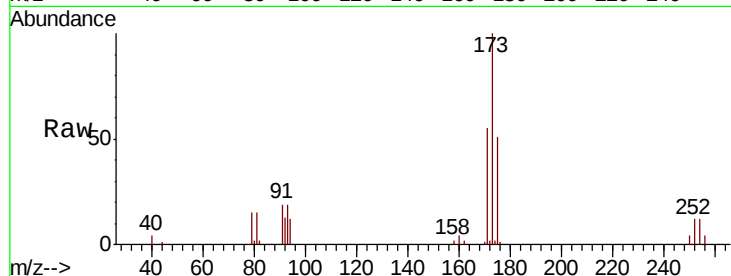
#71
Bromoform
Concen: 19.199 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM

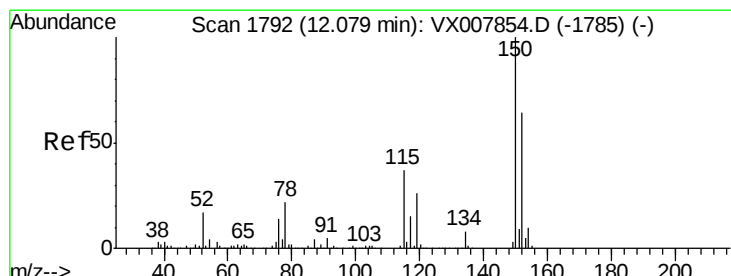
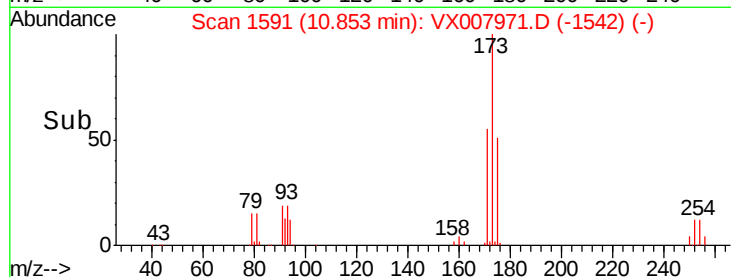
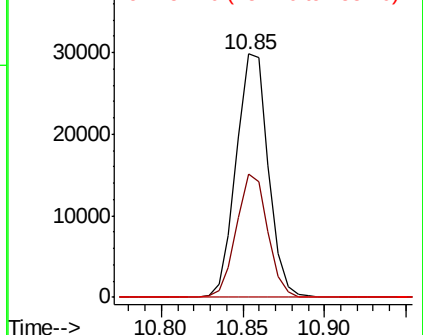


Abundance

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: VX007971.D
Acq: 11 Mar 2019 15:50

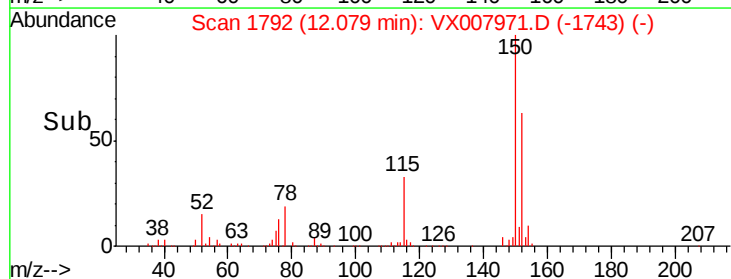
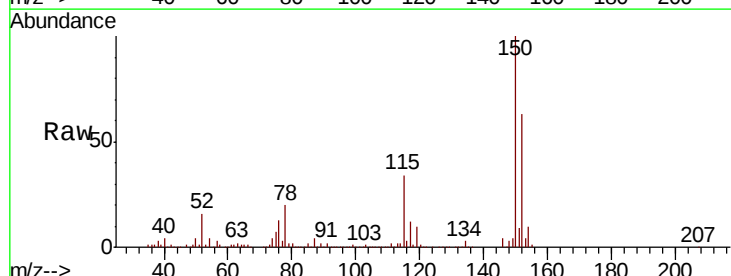
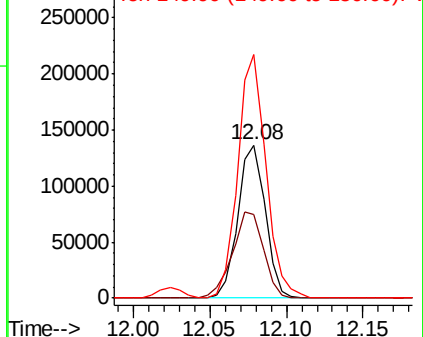
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	38.6	115.7
150	164.0	0.0	348.4

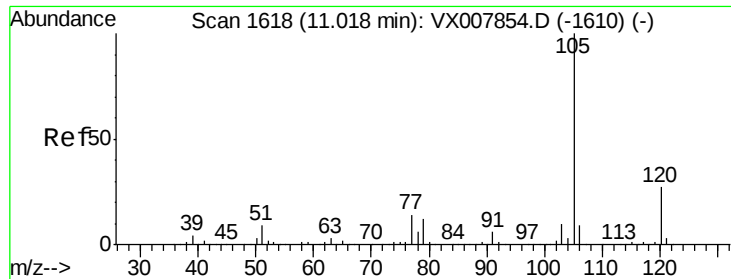
Abundance

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: 20.938 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion: 105 Resp: 239266

Ion Ratio Lower Upper

105 100

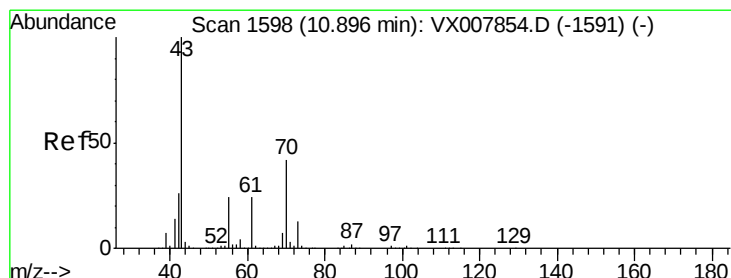
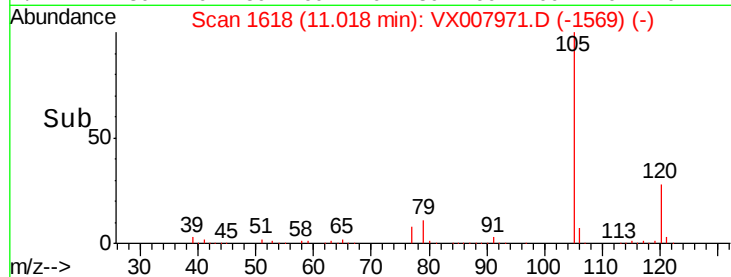
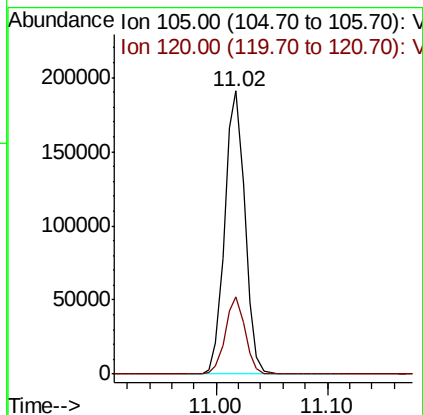
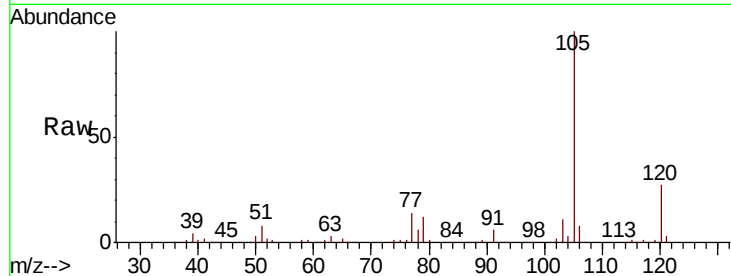
120 26.6 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#74

N-ethyl acetate

Concen: 18.858 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion: 43 Resp: 98382

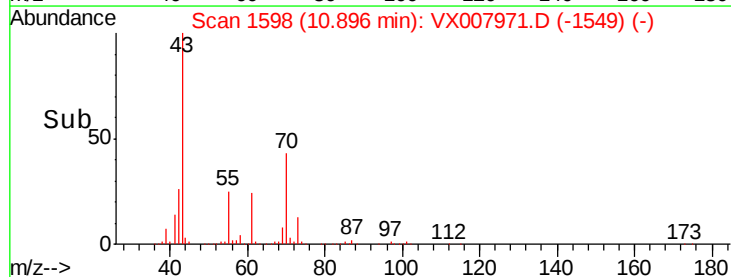
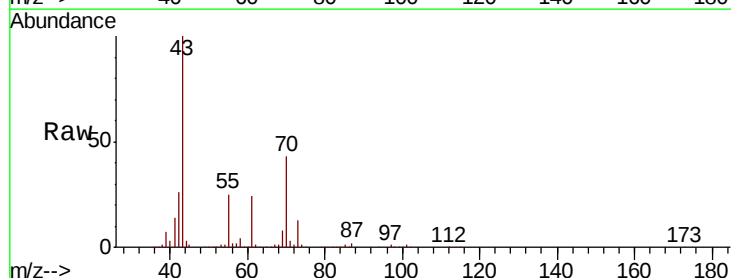
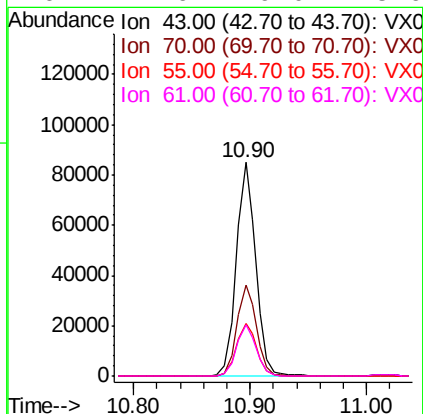
Ion Ratio Lower Upper

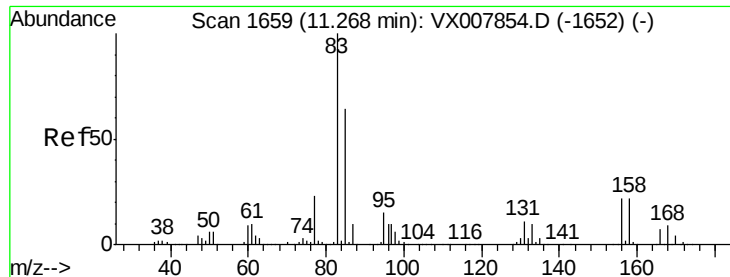
43 100

70 43.2 33.5 50.3

55 25.7 19.2 28.8

61 24.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.393 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

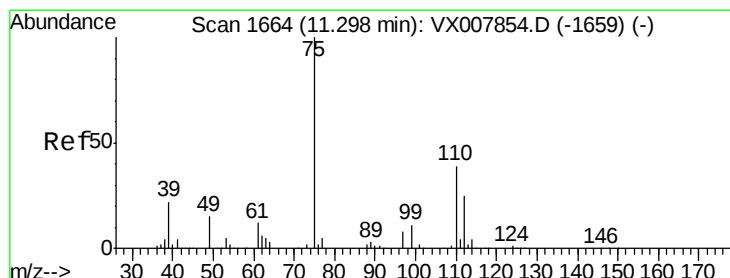
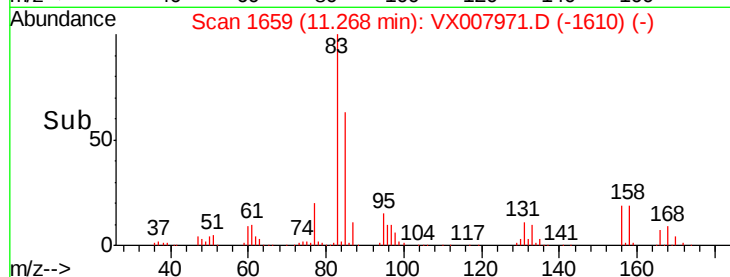
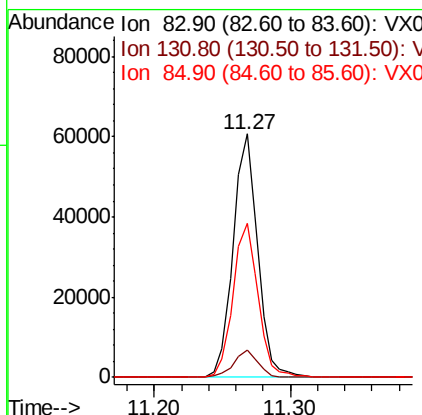
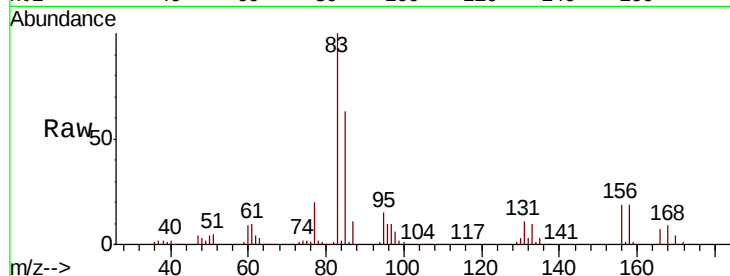
ClientSampleId :

VX0311WBS02

Tgt Ion:	83	Resp:	76444
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.6	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM



#76

1,2,3-Trichloropropane

Concen: 20.866 ug/l m

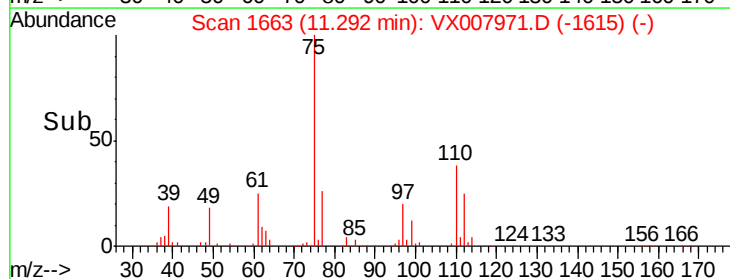
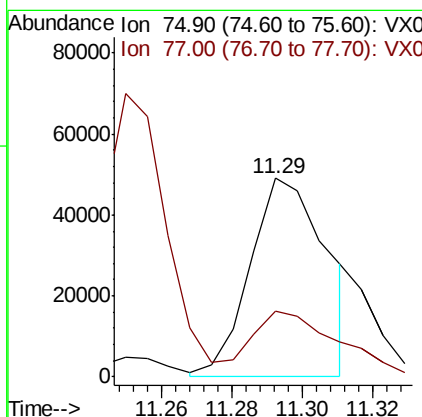
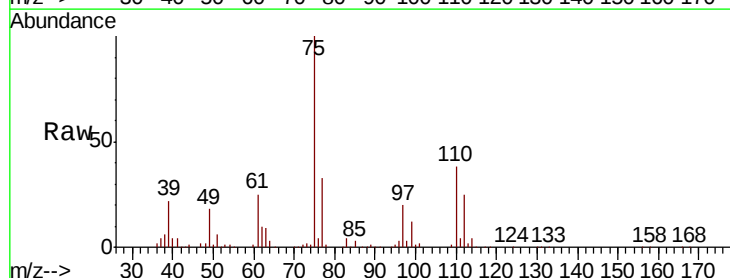
RT: 11.29 min Scan# 1663

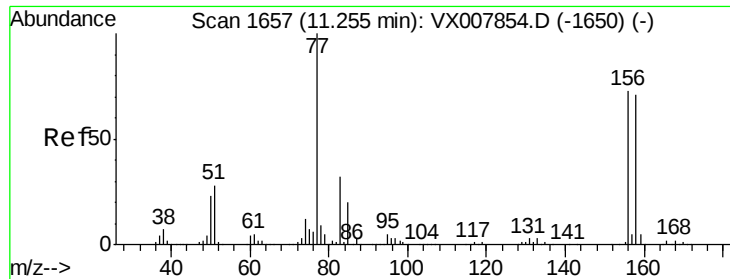
Delta R.T. -0.01 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Tgt Ion:	75	Resp:	73984
Ion	Ratio	Lower	Upper
75	100		
77	38.2	18.9	56.7





#77

Bromobenzene

Concen: 20.164 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion:156 Resp: 63174

Ion Ratio Lower Upper

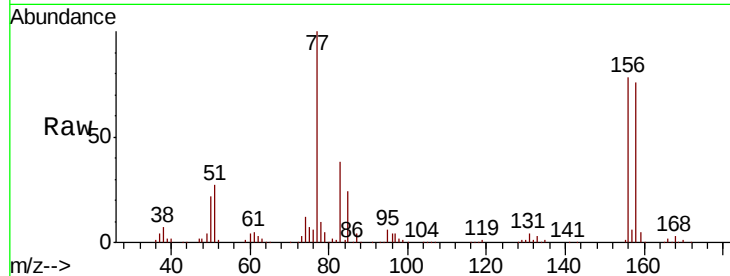
156 100

77 141.4 72.0 215.9

158 98.4 48.6 145.9

Manual Integrations
APPROVED

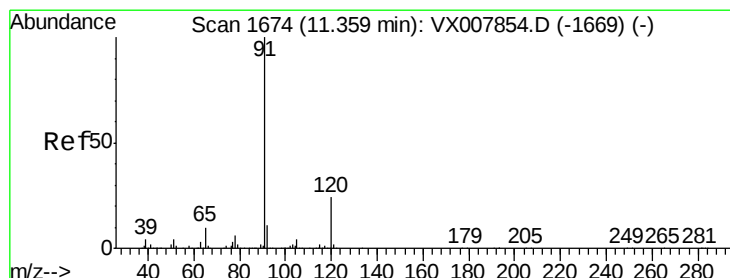
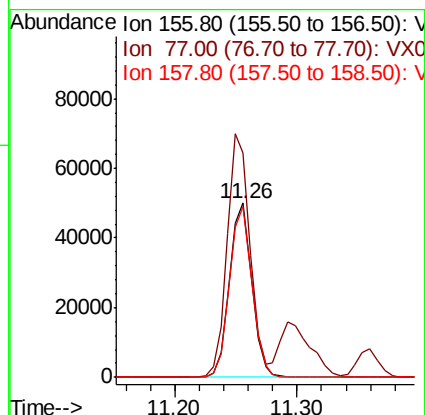
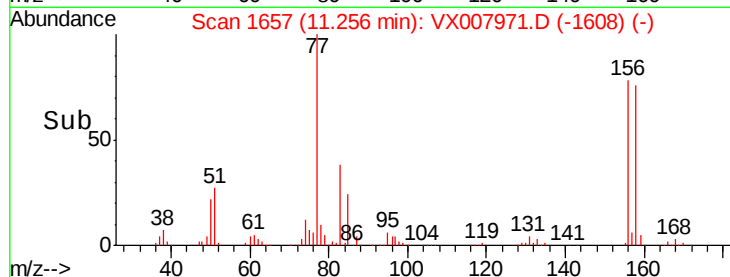
MMDadoda
3/12/2019 2:20:42 PM



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: 20.984 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007971.D

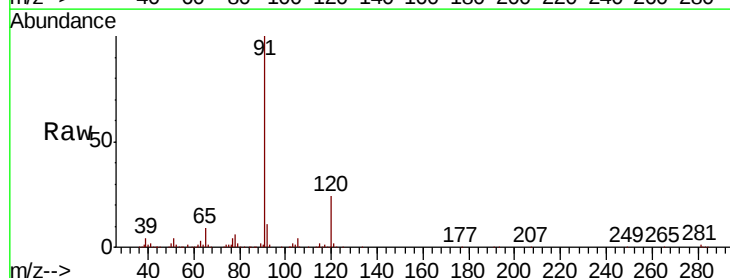
Acq: 11 Mar 2019 15:50

Tgt Ion: 91 Resp: 266029

Ion Ratio Lower Upper

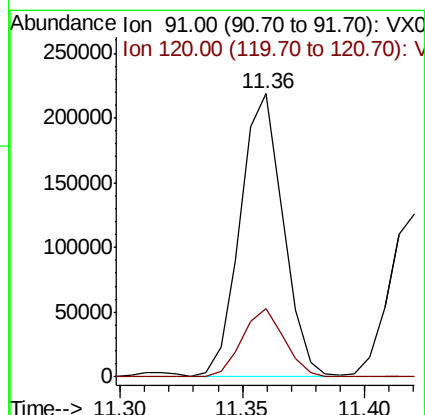
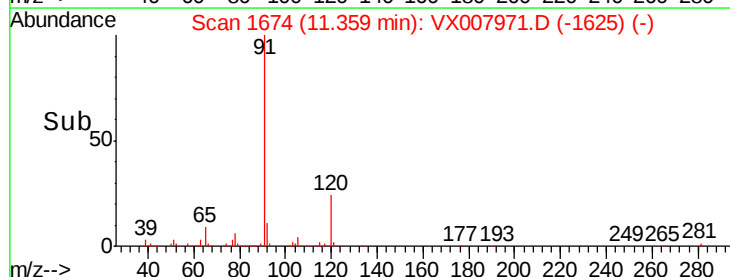
91 100

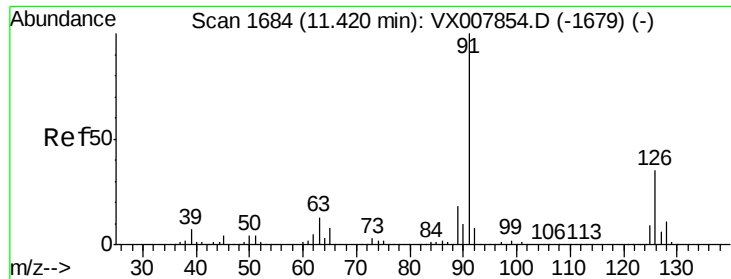
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.408 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS02

Tgt Ion: 91 Resp: 158187

Ion Ratio Lower Upper

91 100

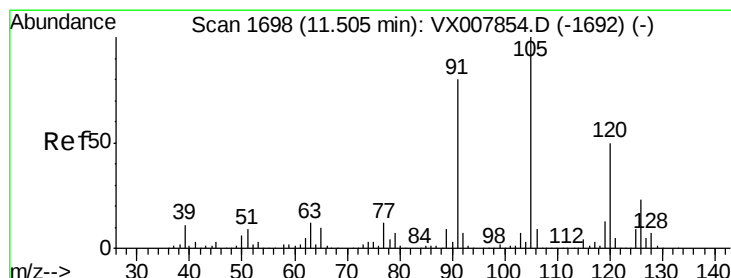
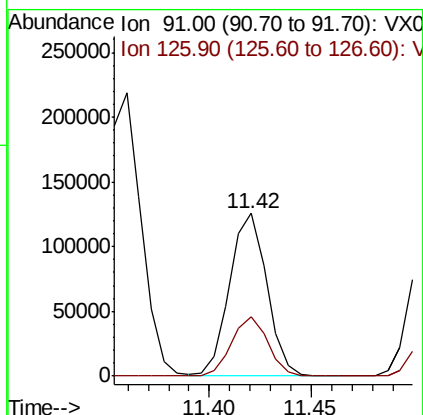
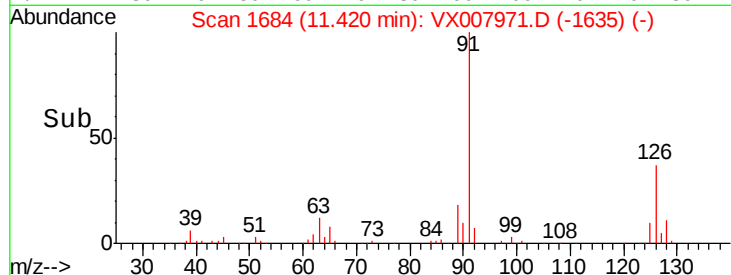
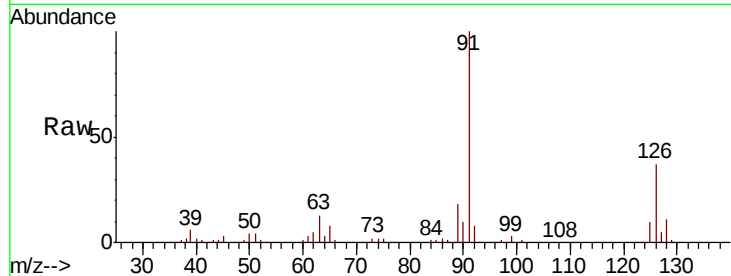
126 35.6 17.5 52.6

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.989 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007971.D

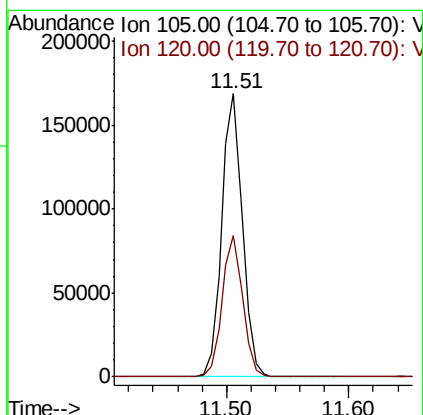
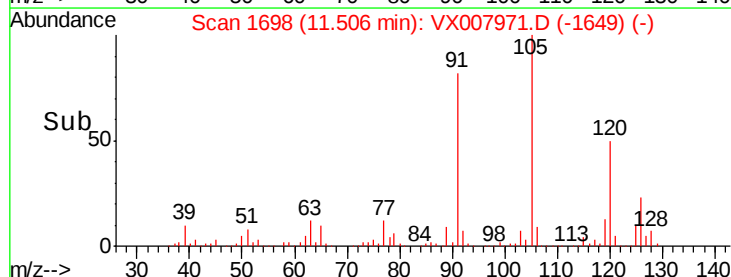
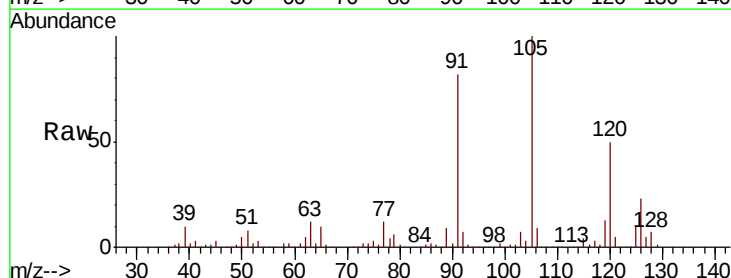
Acq: 11 Mar 2019 15:50

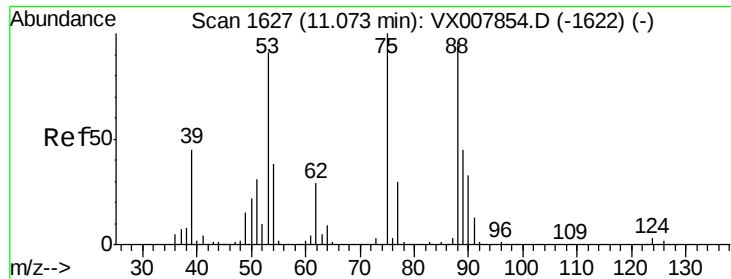
Tgt Ion: 105 Resp: 197412

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





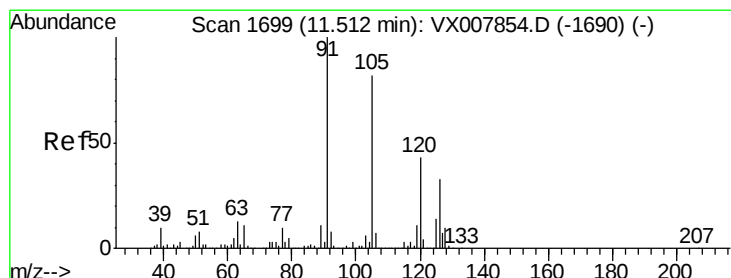
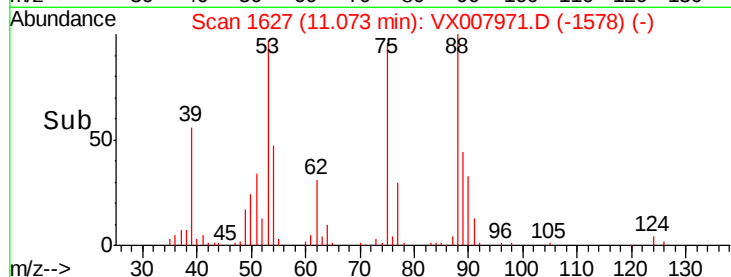
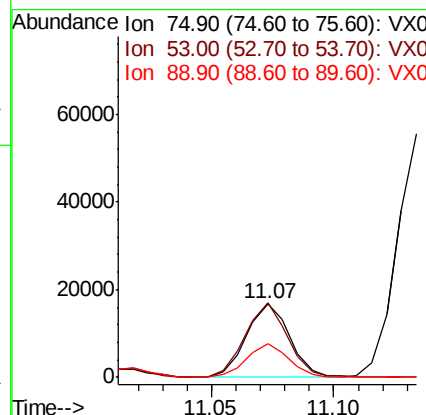
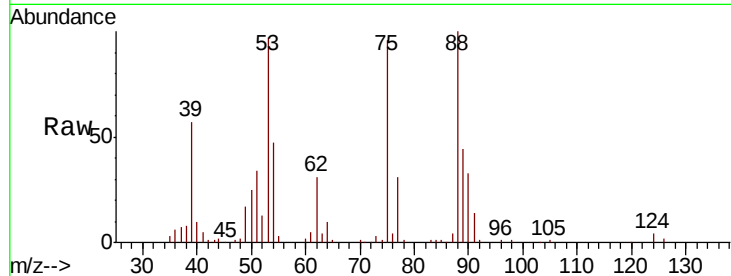
#81
trans-1,4-Dichloro-2-butene
Concen: 18.534 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 75 Resp: 20558
Ion Ratio Lower Upper
75 100
53 100.6 76.1 114.1
89 45.6 36.3 54.5

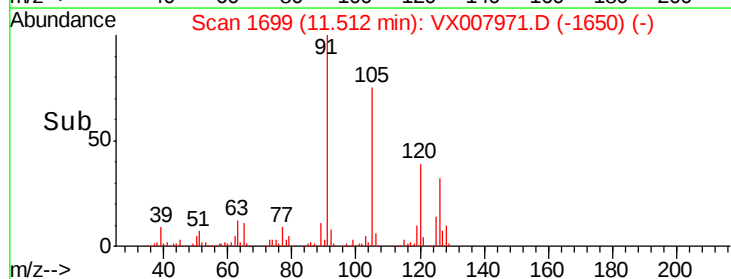
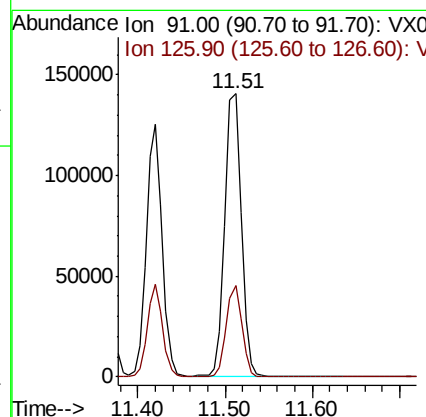
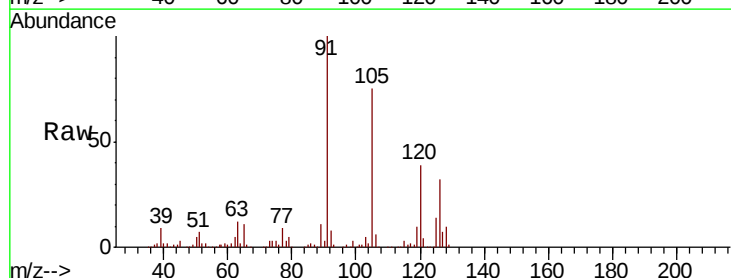
Manual Integrations
APPROVED

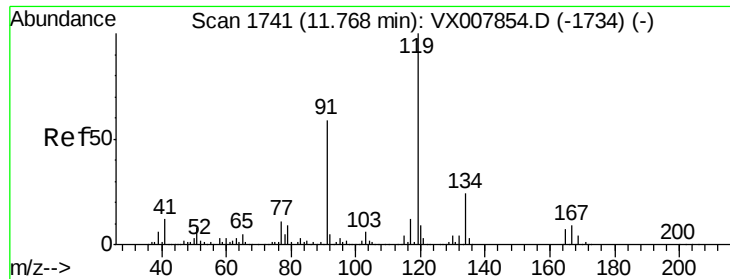
MMDadoda
3/12/2019 2:20:42 PM



#82
4-Chlorotoluene
Concen: 20.633 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 91 Resp: 183282
Ion Ratio Lower Upper
91 100
126 30.8 15.6 46.8





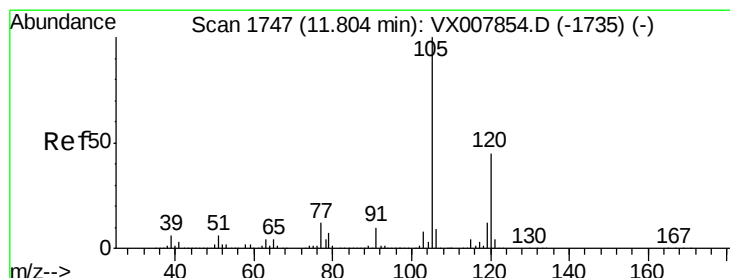
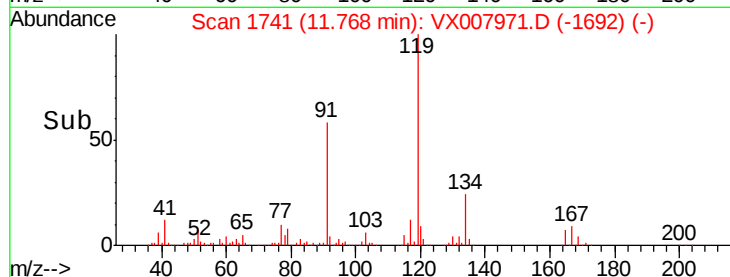
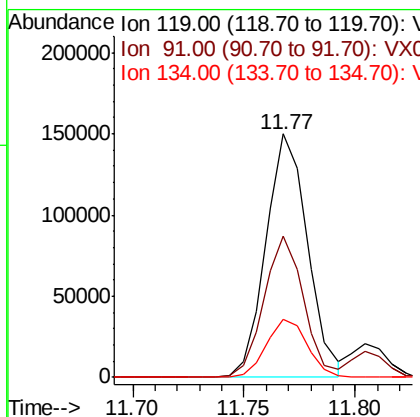
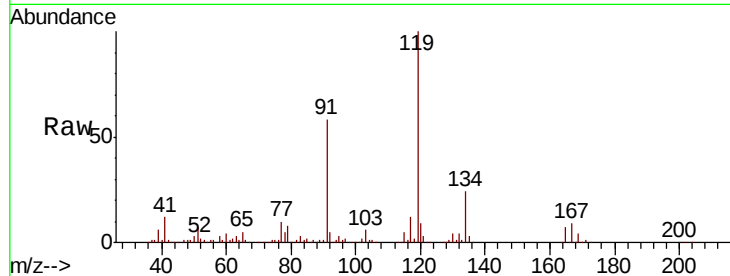
#83
 tert-Butylbenzene
 Concen: 20.556 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	194748		
91	55.3	27.1	81.3	
134	23.3	11.4	34.1	

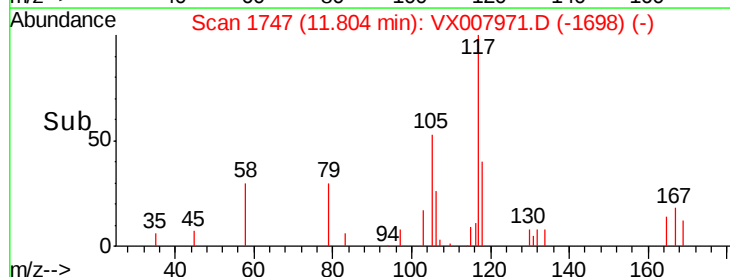
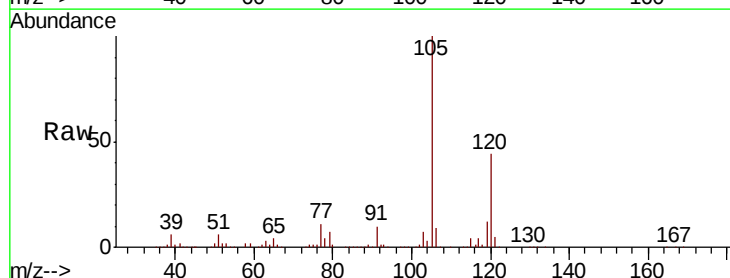
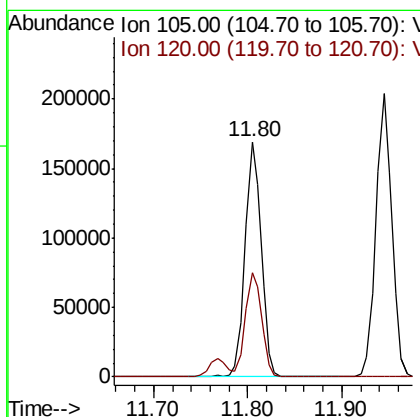
Manual Integrations
 APPROVED

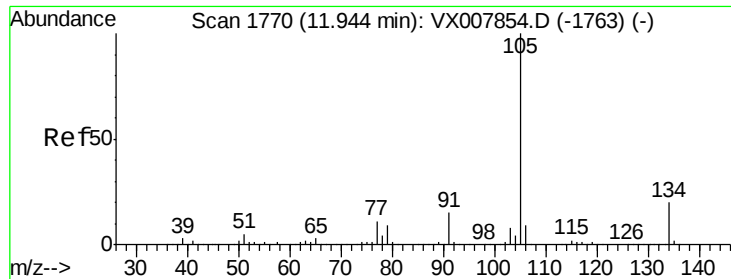
MMDadoda
 3/12/2019 2:20:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.072 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203175		
120	44.6	22.6	67.7	





#85

sec-Butylbenzene

Concen: 21.386 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS02

Tgt Ion:105 Resp: 238623

Ion Ratio Lower Upper

105 100

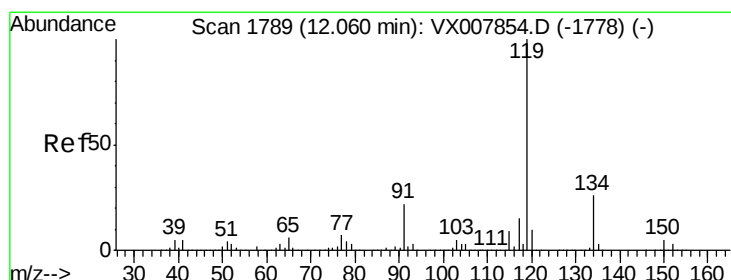
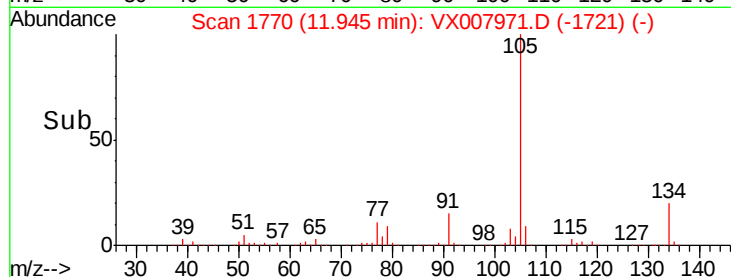
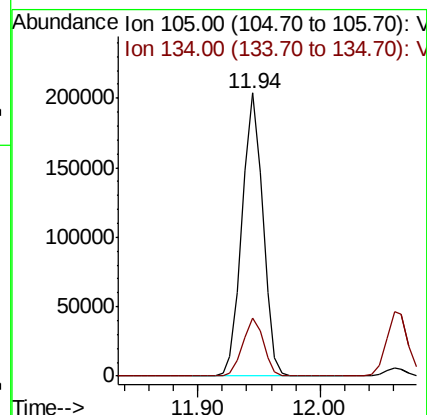
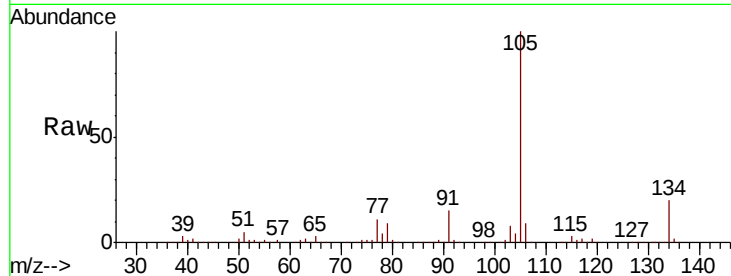
134 20.4 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

3/12/2019 2:20:42 PM



#86

p-Isopropyltoluene

Concen: 21.325 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007971.D

Acq: 11 Mar 2019 15:50

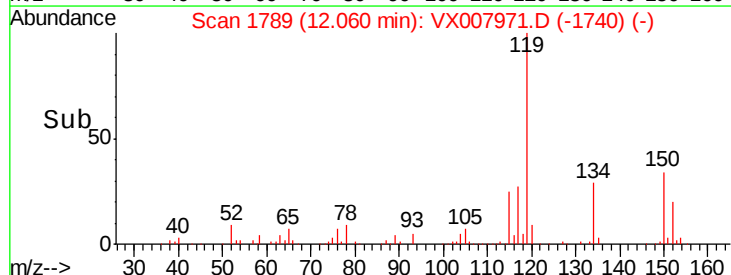
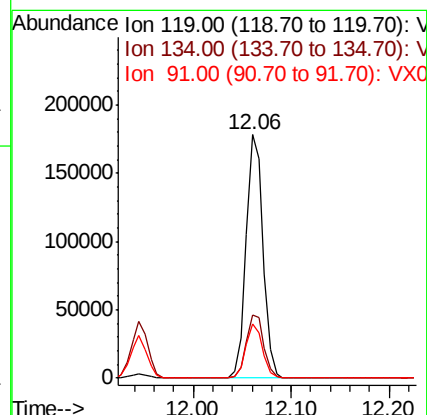
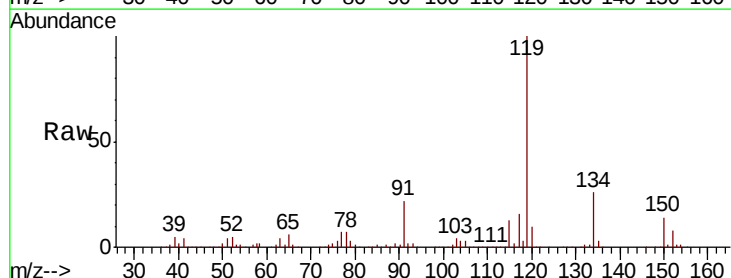
Tgt Ion:119 Resp: 213097

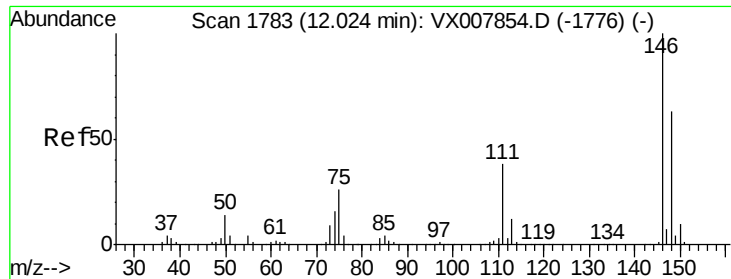
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.2 10.9 32.7





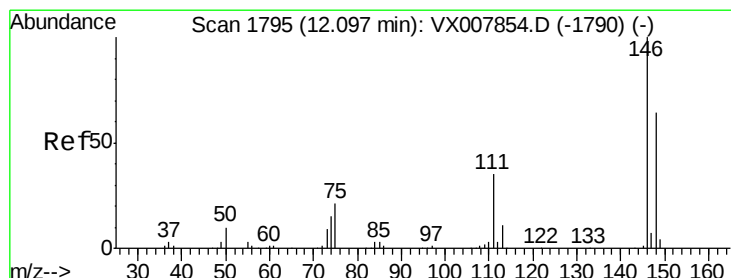
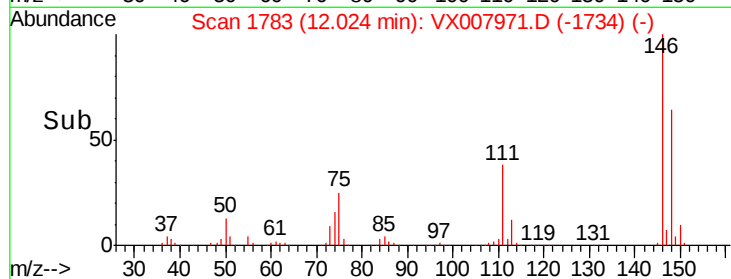
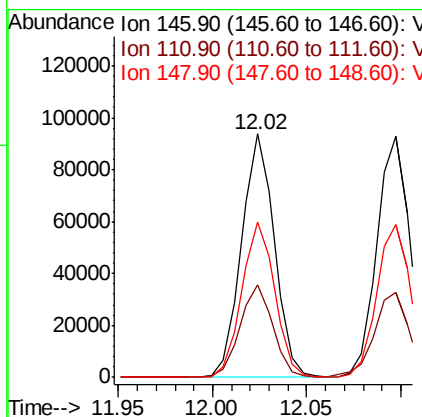
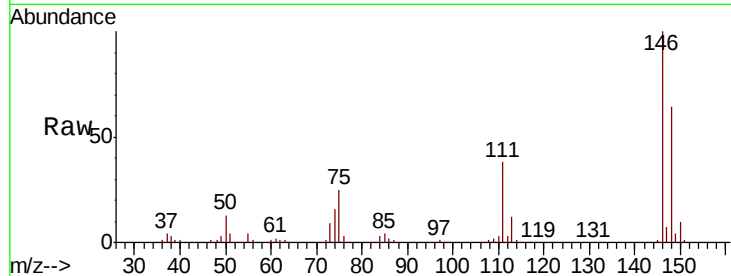
#87
 1,3-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	63.8	31.7	95.1

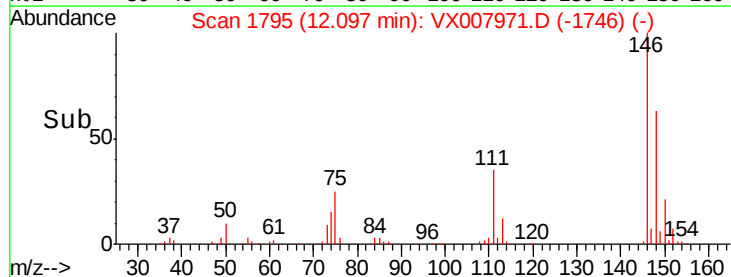
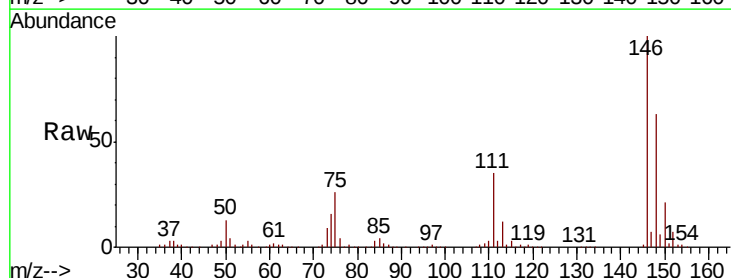
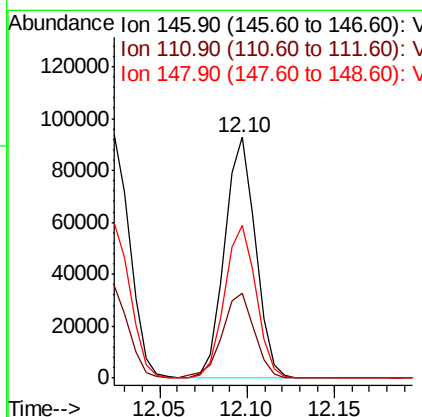
Manual Integrations
 APPROVED

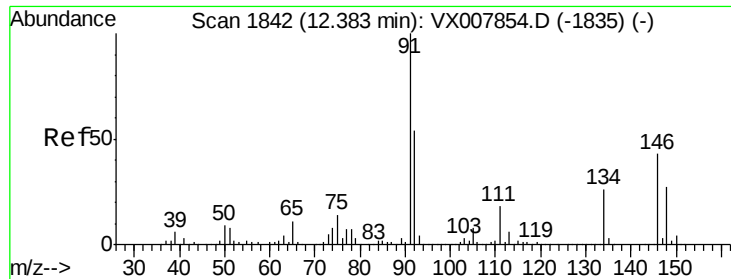
MMDadoda
 3/12/2019 2:20:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.057 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.7	32.2	96.6





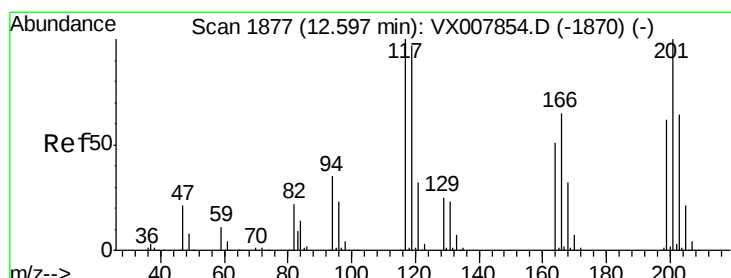
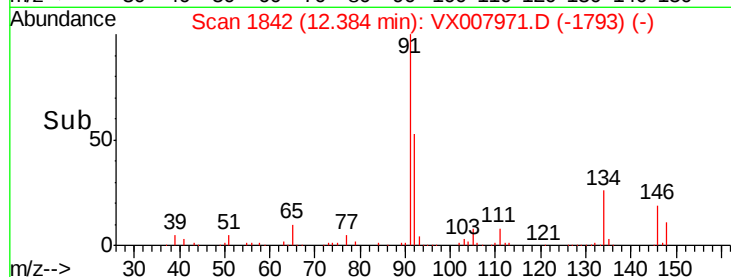
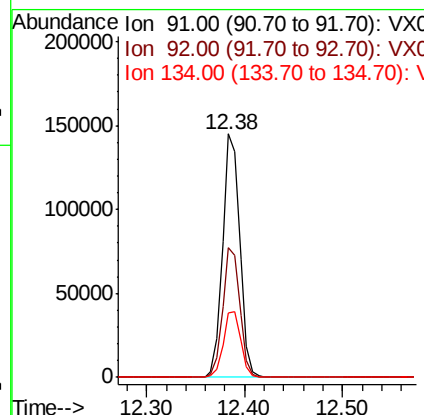
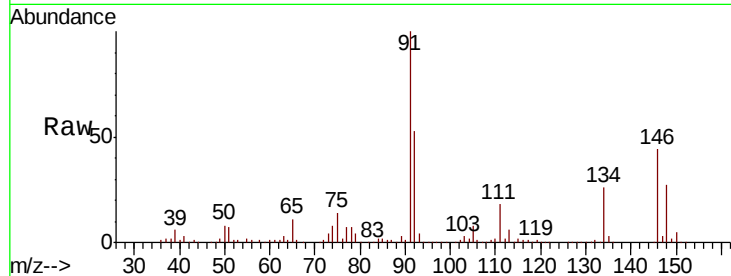
#89
n-Butylbenzene
Concen: 20.883 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion: 91 Resp: 176795
Ion Ratio Lower Upper
91 100
92 52.8 27.0 80.8
134 27.2 13.7 41.0

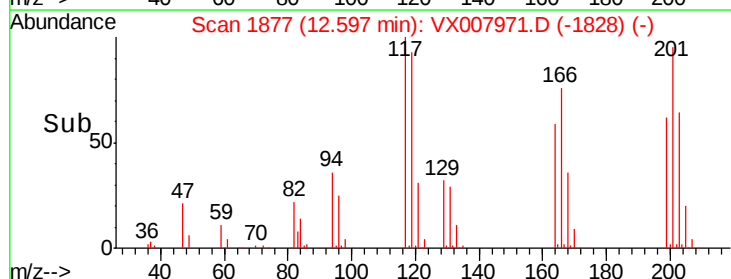
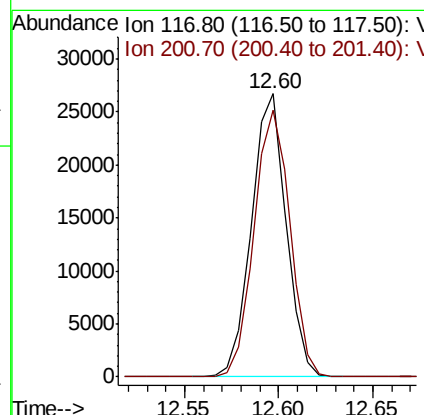
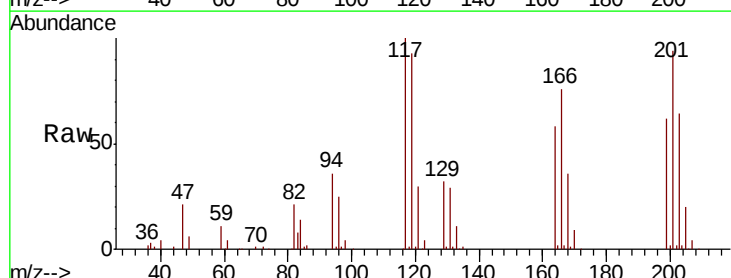
Manual Integrations
APPROVED

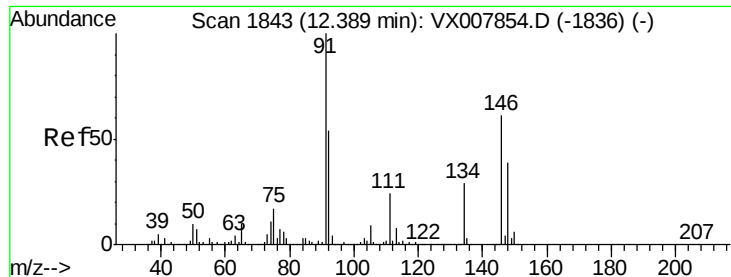
MMDadoda
3/12/2019 2:20:42 PM



#90
Hexachloroethane
Concen: 20.338 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion: 117 Resp: 33980
Ion Ratio Lower Upper
117 100
201 97.3 48.9 146.7





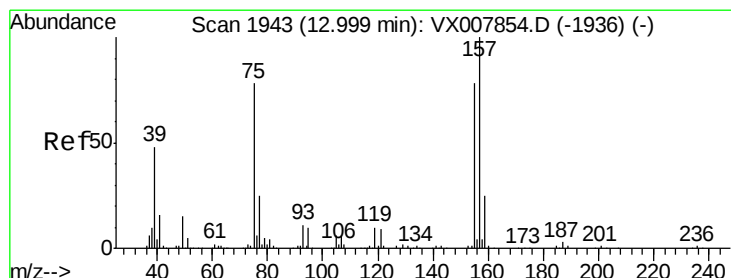
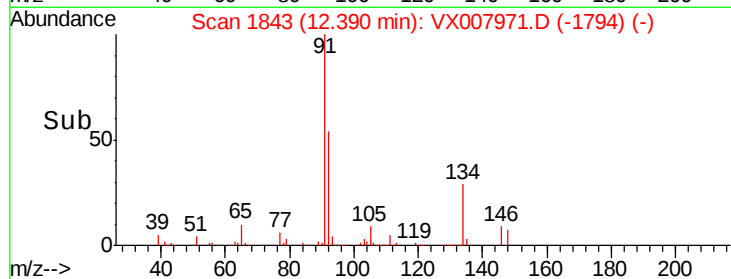
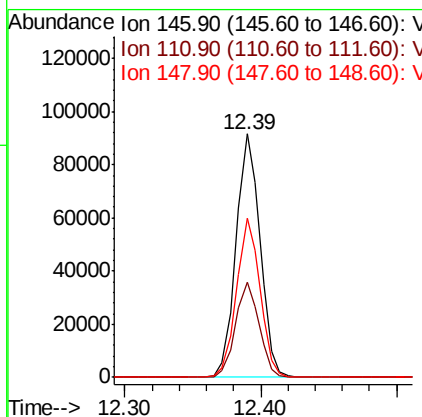
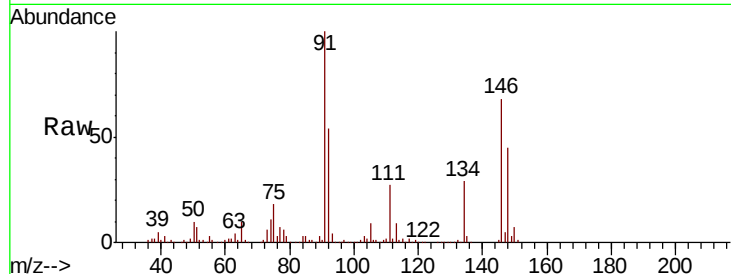
#91
 1,2-Dichlorobenzene
 Concen: 20.377 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	64.2	31.9	95.5

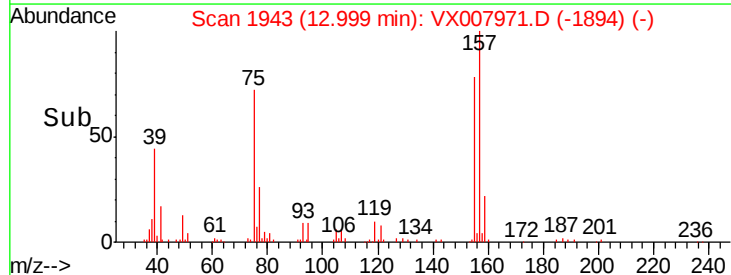
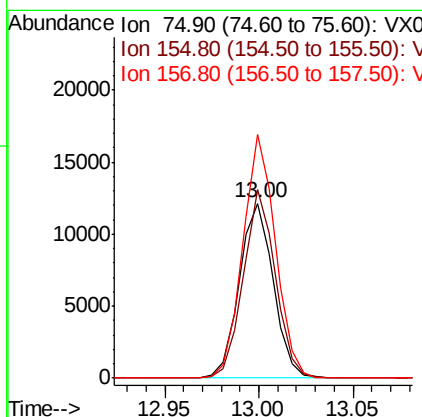
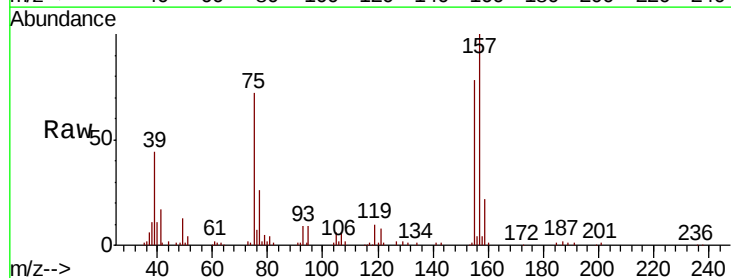
Manual Integrations
 APPROVED

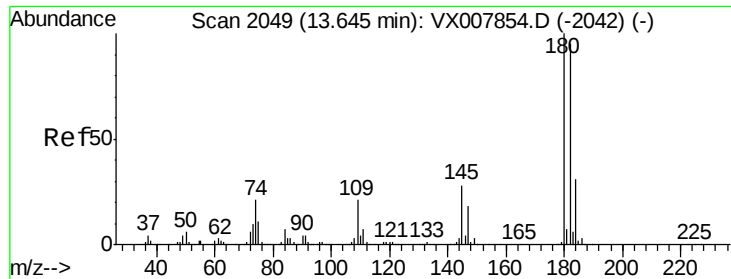
MMDadoda
 3/12/2019 2:20:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.358 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007971.D
 Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	49.7	149.1
157	134.1	63.8	191.4





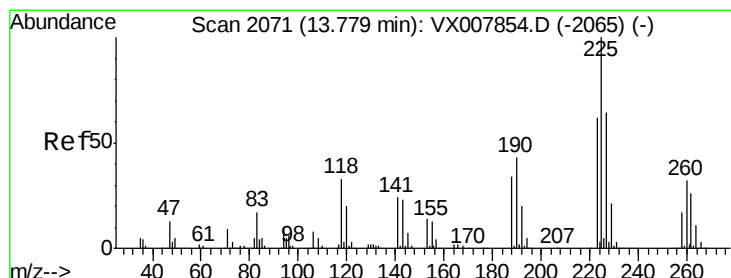
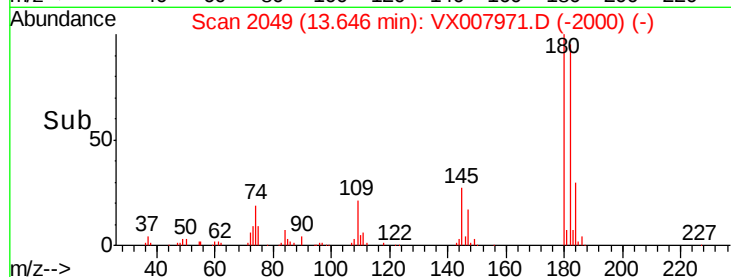
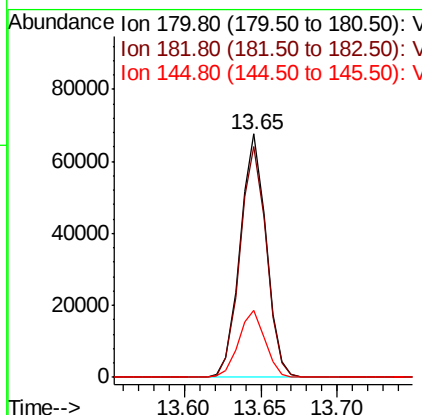
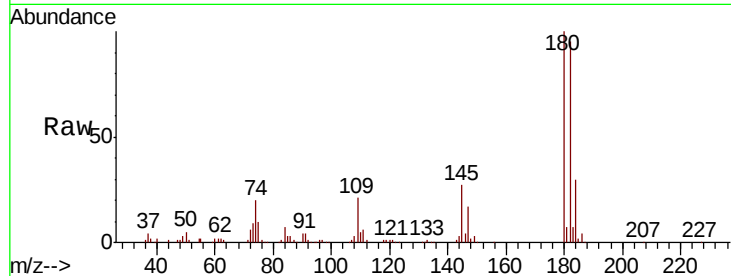
#93
1,2,4-Trichlorobenzene
Concen: 20.581 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	27.6	14.1	42.4

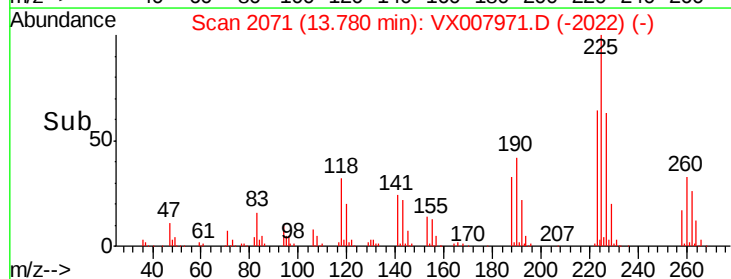
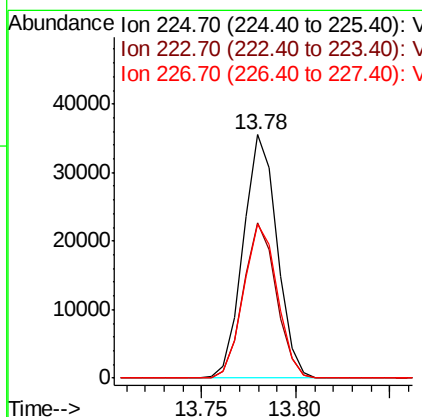
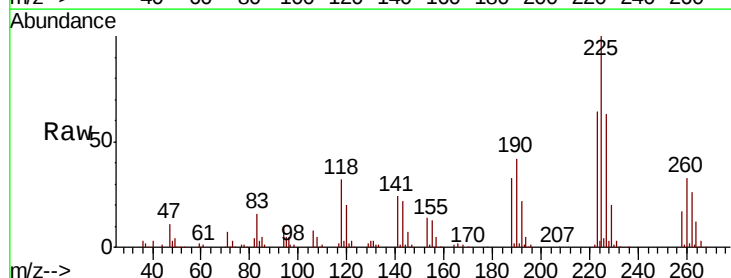
Manual Integrations
APPROVED

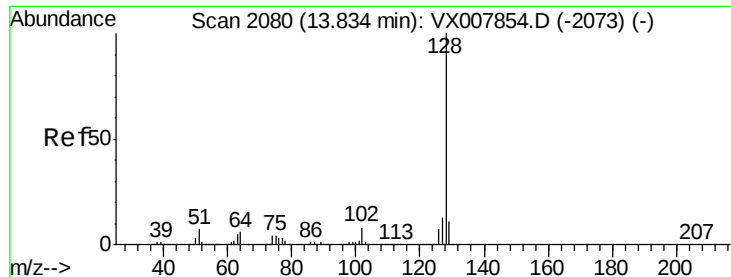
MMDadoda
3/12/2019 2:20:42 PM



#94
Hexachlorobutadiene
Concen: 21.814 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.2
227	63.2	32.0	96.0





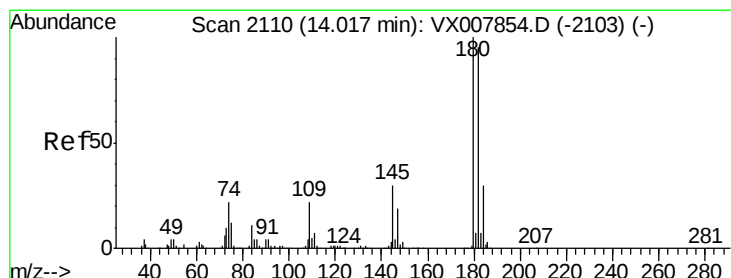
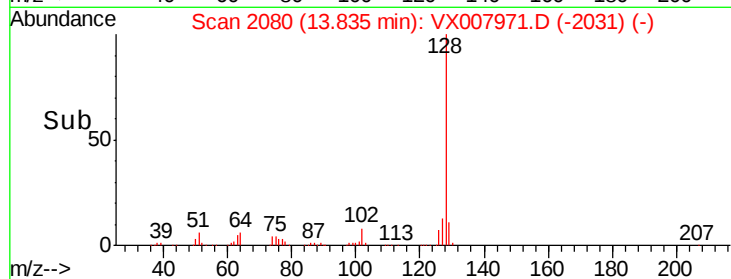
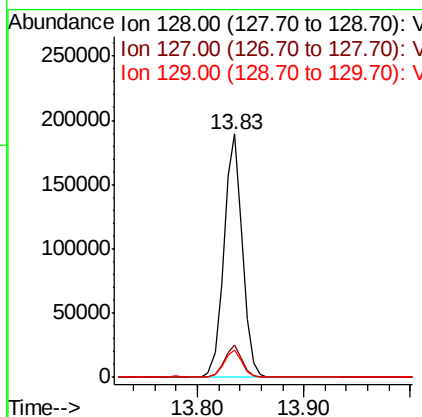
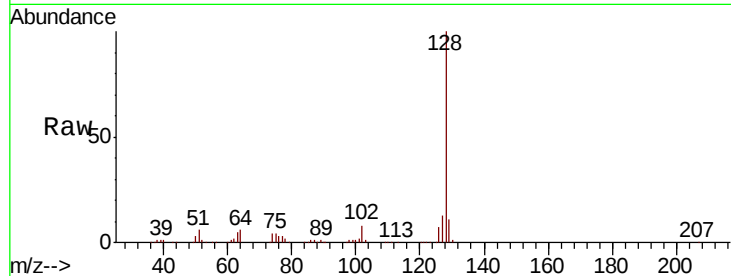
#95
Naphthalene
Concen: 20.381 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	227151		
127	12.8	10.3	15.5	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.937 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007971.D
Acq: 11 Mar 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80679		
182	93.4	47.5	142.5	
145	29.6	14.8	44.3	

