

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009106.D
 Acq On : 22 Apr 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 10:30:57 AM

Quant Time: Apr 23 04:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	151176	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	5.50	113	113409	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
50) Toluene-d8	8.71	98	447069	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	11.13	95	156701	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	127680	56.773	ug/l	99
3) Chloromethane	1.32	50	149979	54.320	ug/l	98
4) Vinyl Chloride	1.41	62	145349	54.088	ug/l	99
5) Bromomethane	1.64	94	75758	45.403	ug/l	96
6) Chloroethane	1.71	64	85515	54.116	ug/l	97
7) Trichlorofluoromethane	1.92	101	166873	53.186	ug/l	99
8) Diethyl Ether	2.19	74	74939	52.226	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	105665	52.673	ug/l	100
10) Methyl Iodide	2.51	142	121926	55.095	ug/l	100
11) Tert butyl alcohol	3.06	59	168323	275.577	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107124	51.160	ug/l	98
13) Acrolein	2.29	56	127825	242.204	ug/l	99
14) Allyl chloride	2.73	41	252185	55.204	ug/l	100
15) Acrylonitrile	3.14	53	427091	275.451	ug/l	100
16) Acetone	2.45	43	381060	267.042	ug/l	99
17) Carbon Disulfide	2.56	76	321241	52.153	ug/l	100
18) Methyl Acetate	2.78	43	193480	54.327	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	401535	53.819	ug/l	99
20) Methylene Chloride	2.85	84	127647	52.308	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	115608	51.764	ug/l	95
22) Diisopropyl ether	3.85	45	486248	54.777	ug/l	98
23) Vinyl Acetate	3.81	43	2212845	283.586	ug/l	98
24) 1,1-Dichloroethane	3.70	63	238733	53.575	ug/l	99
25) 2-Butanone	4.68	43	641123	281.082	ug/l	99
26) 2,2-Dichloropropane	4.58	77	167818	50.242	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	133877	52.797	ug/l	100
28) Bromochloromethane	5.02	49	101101	54.809	ug/l	100
29) Tetrahydrofuran	5.13	42	424269	277.907	ug/l	99
30) Chloroform	5.21	83	215683	54.090	ug/l	96
31) Cyclohexane	5.57	56	235562	53.748	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	178278	53.944	ug/l	99
36) 1,1-Dichloropropene	5.80	75	168483	51.029	ug/l	99
37) Ethyl Acetate	4.84	43	241709	56.892	ug/l	99
38) Carbon Tetrachloride	5.78	117	148113	52.915	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009106.D
 Acq On : 22 Apr 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 10:30:57 AM

Quant Time: Apr 23 04:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210731	52.421	ug/l	97
40) Benzene	6.14	78	517541	53.134	ug/l	99
41) Methacrylonitrile	5.04	41	135334	55.502	ug/l	100
42) 1,2-Dichloroethane	6.19	62	183276	53.118	ug/l	99
43) Isopropyl Acetate	6.45	43	377672	55.162	ug/l	99
44) Trichloroethene	7.21	130	120200	50.365	ug/l	99
45) 1,2-Dichloropropane	7.51	63	146240	54.119	ug/l	99
46) Dibromomethane	7.66	93	83714	53.232	ug/l	99
47) Bromodichloromethane	7.90	83	167094	54.173	ug/l	99
48) Methyl methacrylate	7.77	41	190905	56.431	ug/l	99
49) 1,4-Dioxane	7.74	88	68122	1075.864	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1205518	276.382	ug/l	99
52) Toluene	8.79	92	310946	53.267	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	194039	54.662	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	214867	54.057	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	125153	54.095	ug/l	99
56) Ethyl methacrylate	9.18	69	229091	55.223	ug/l	99
57) 1,3-Dichloropropane	9.37	76	223861	54.344	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	589509	263.886	ug/l	100
59) 2-Hexanone	9.49	43	908303	270.100	ug/l	99
60) Dibromochloromethane	9.58	129	123692	55.783	ug/l	100
61) 1,2-Dibromoethane	9.67	107	129071	54.054	ug/l	99
64) Tetrachloroethene	9.34	164	107573	50.035	ug/l	97
65) Chlorobenzene	10.13	112	313082	52.411	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	113892	54.121	ug/l	100
67) Ethyl Benzene	10.25	91	584090	53.489	ug/l	98
68) m/p-Xylenes	10.36	106	420390	105.930	ug/l	100
69) o-Xylene	10.70	106	205166	53.131	ug/l	99
70) Styrene	10.71	104	352529	52.682	ug/l	99
71) Bromoform	10.85	173	89892	53.617	ug/l #	99
73) Isopropylbenzene	11.02	105	539148	53.882	ug/l	100
74) N-amyl acetate	10.90	43	317144	55.201	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	193960	53.052	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	169435m	52.564	ug/l	
77) Bromobenzene	11.26	156	130813	51.815	ug/l	98
78) n-propylbenzene	11.36	91	622326	54.187	ug/l	100
79) 2-Chlorotoluene	11.42	91	365947	52.877	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	457291	54.461	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	68559	54.604	ug/l	98
82) 4-Chlorotoluene	11.51	91	422544	52.571	ug/l	100
83) tert-Butylbenzene	11.77	119	433380	53.759	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	457808	53.562	ug/l	100
85) sec-Butylbenzene	11.94	105	515217	53.586	ug/l	99
86) p-Isopropyltoluene	12.06	119	472372	53.438	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	226393	51.236	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	228465	51.005	ug/l	99
89) n-Butylbenzene	12.38	91	439175	53.347	ug/l	100
90) Hexachloroethane	12.60	117	80186	54.992	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	228878	52.456	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44014	52.875	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042219\
Data File : VX009106.D
Acq On : 22 Apr 2019 18:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

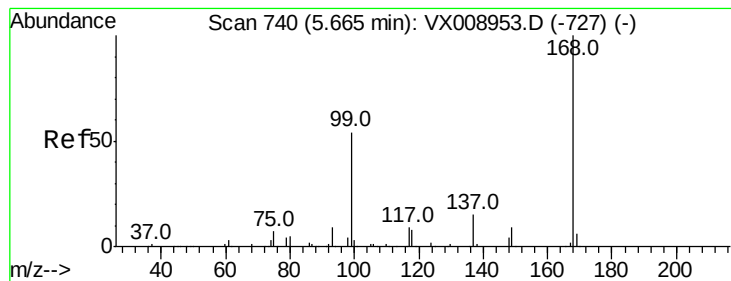
Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM

Quant Time: Apr 23 04:29:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	162393	51.558	ug/l	100
94) Hexachlorobutadiene	13.78	225	81901	52.136	ug/l	100
95) Naphthalene	13.83	128	532771	52.796	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161594	51.998	ug/l	100

(#) = 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: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 195255

Ion Ratio Lower Upper

168 100

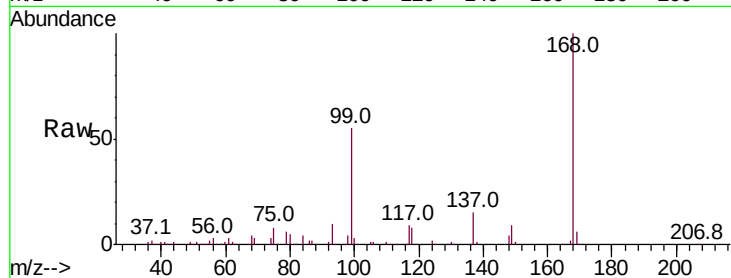
99 55.1 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

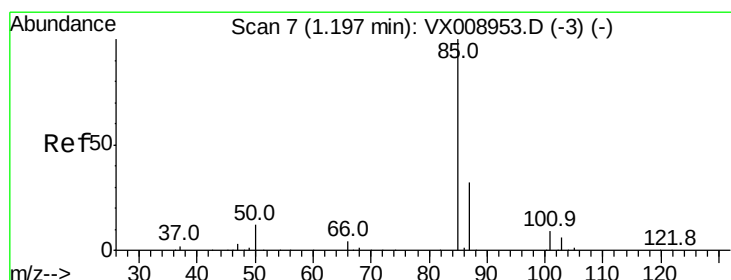
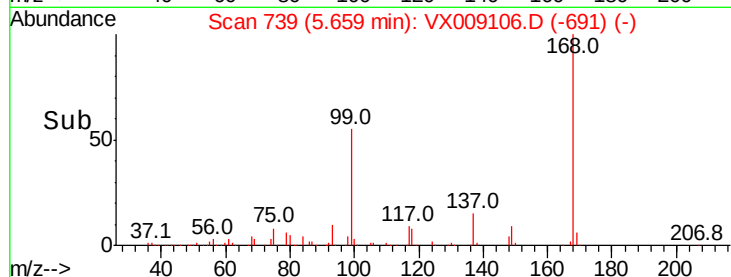
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 56.773 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009106.D

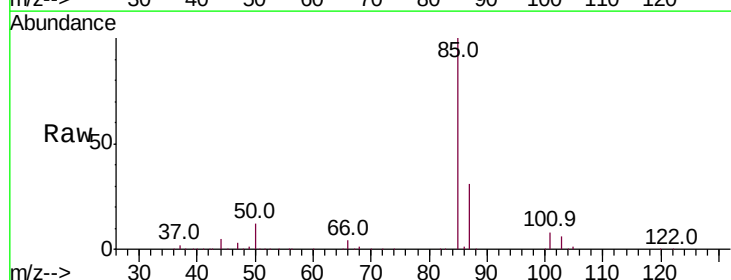
Acq: 22 Apr 2019 18:42

Tgt Ion: 85 Resp: 127680

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

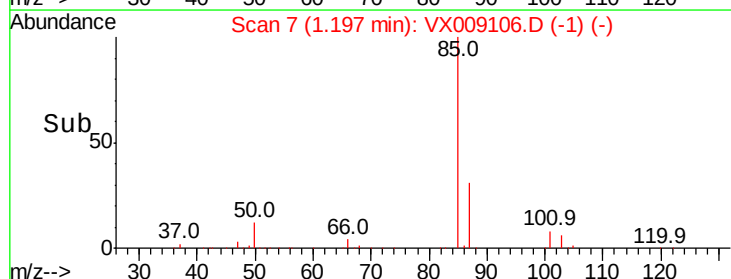
100000

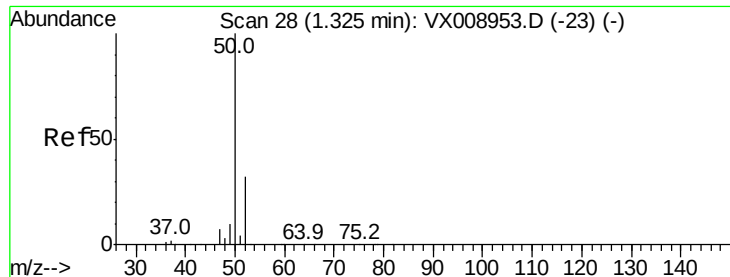
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 54.320 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 149979

Ion Ratio Lower Upper

50 100

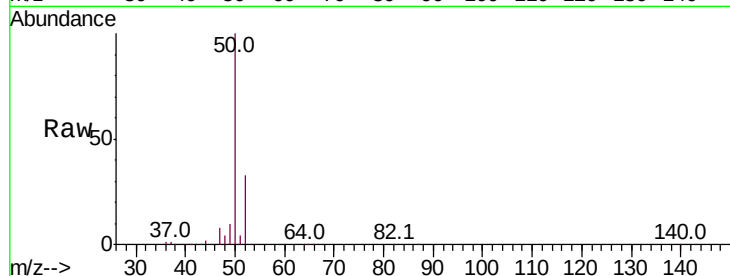
52 32.8 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

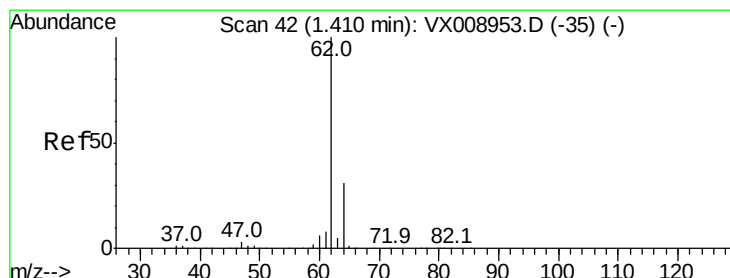
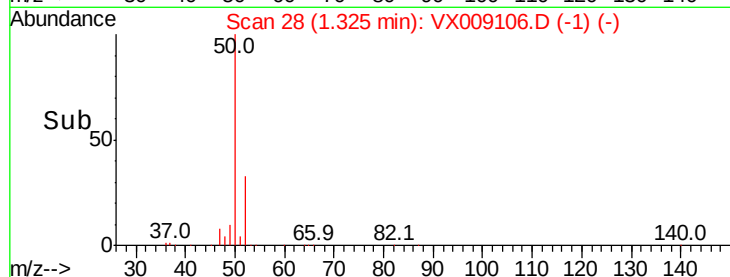
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.088 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009106.D

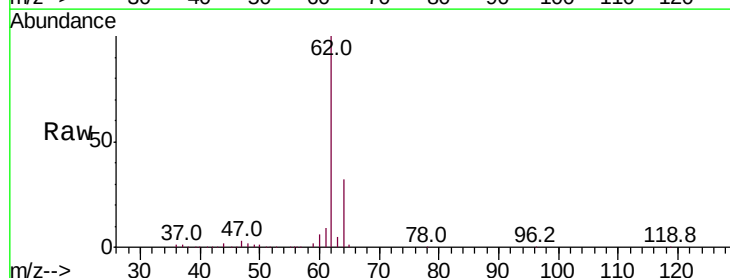
Acq: 22 Apr 2019 18:42

Tgt Ion: 62 Resp: 145349

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

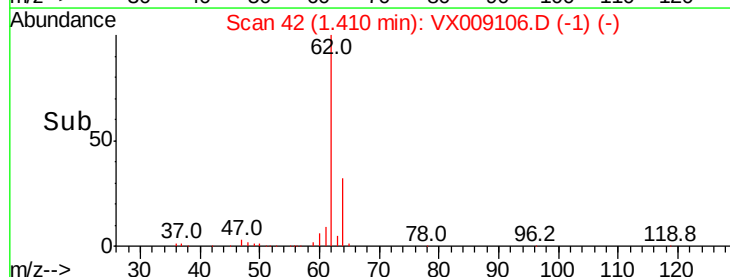
150000

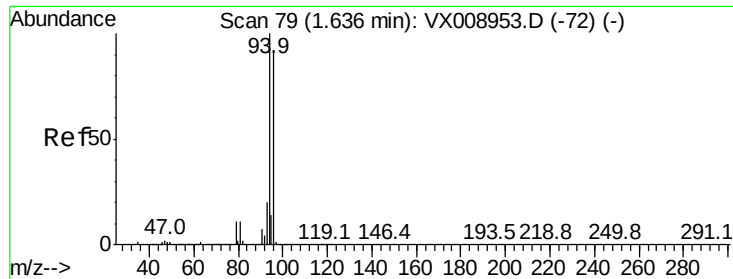
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.403 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tot Ion: 94 Resp: 75758

Ion Ratio Lower Upper

94 100

96 96.6 73.9 110.9

Instrument :

MSVOA_X

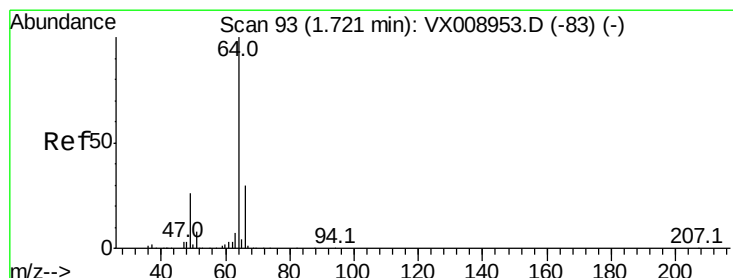
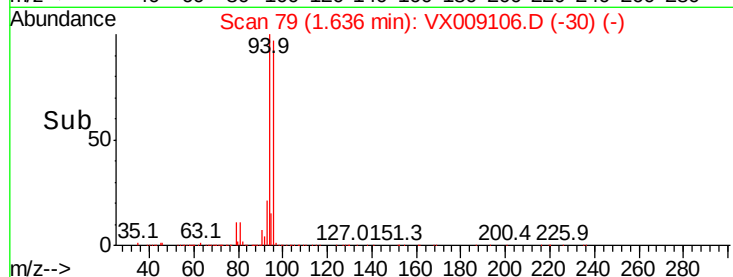
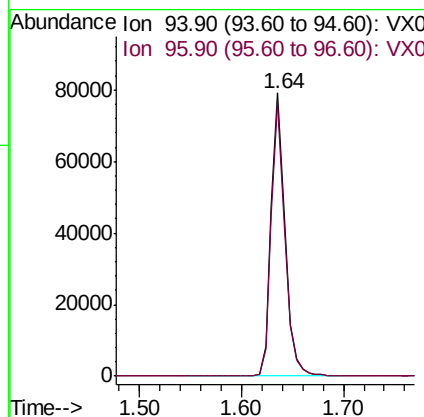
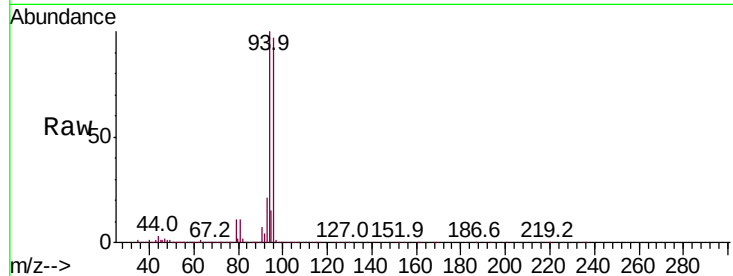
ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#6

Chloroethane

Concen: 54.116 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009106.D

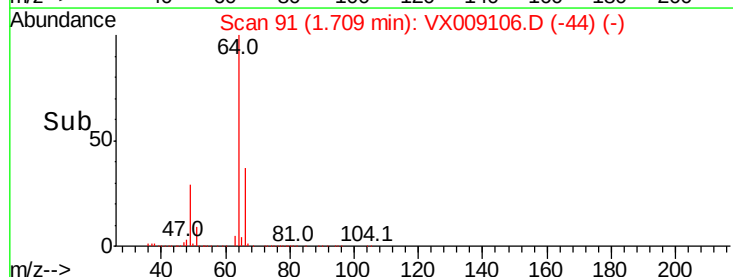
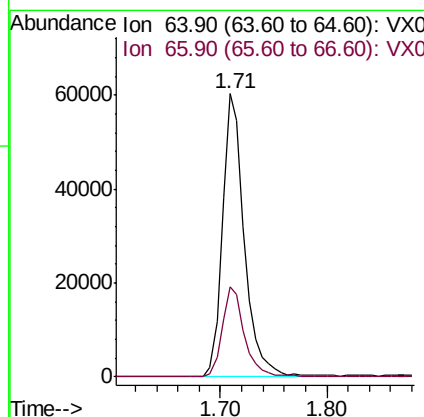
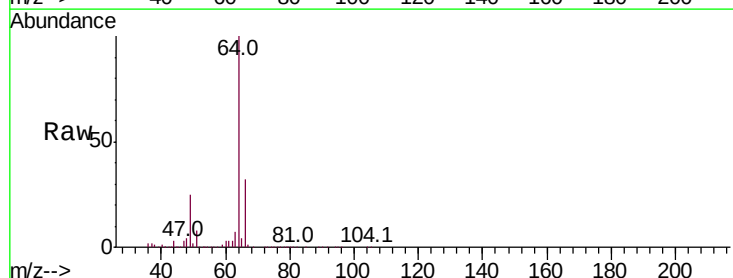
Acq: 22 Apr 2019 18:42

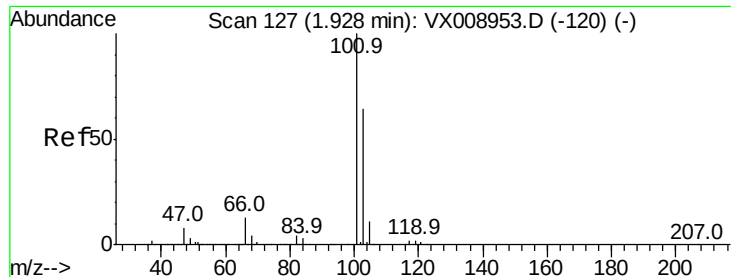
Tgt Ion: 64 Resp: 85515

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2





#7

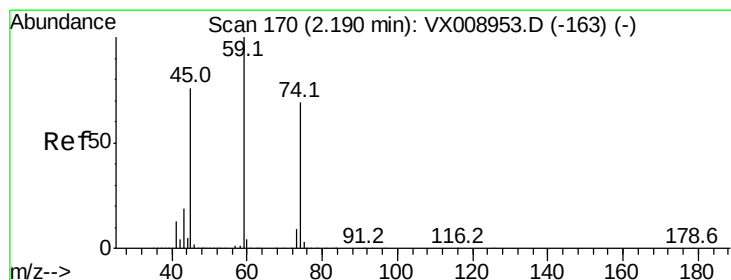
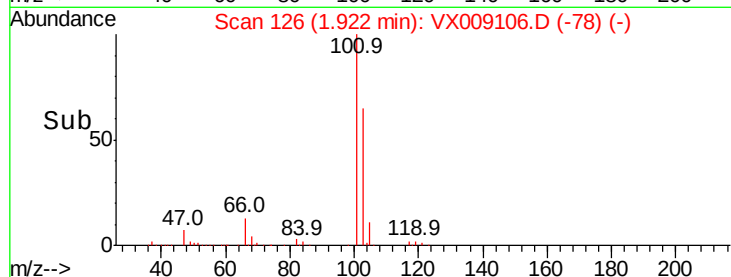
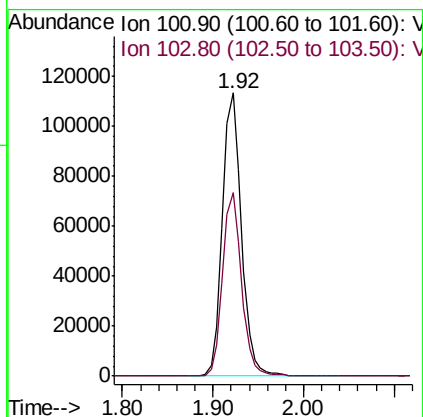
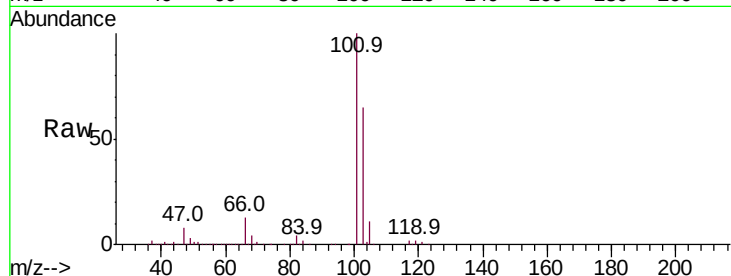
Trichlorofluoromethane
Concen: 53.186 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.6

Manual Integrations
APPROVED

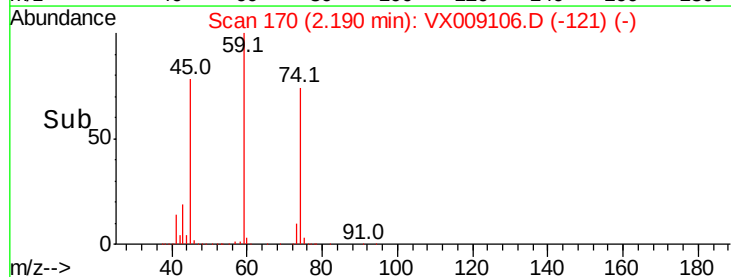
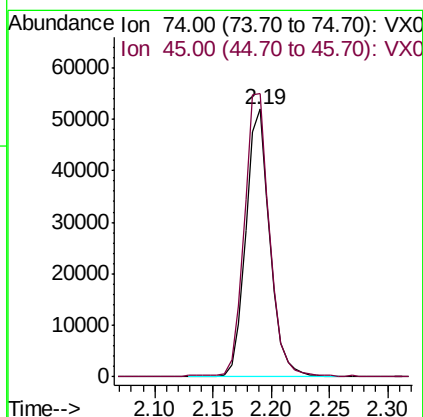
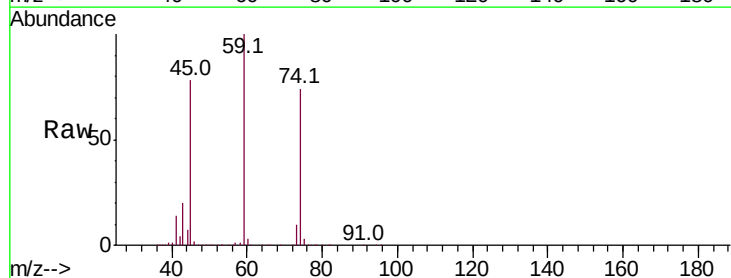
MMDadoda
4/23/2019 10:30:57 AM

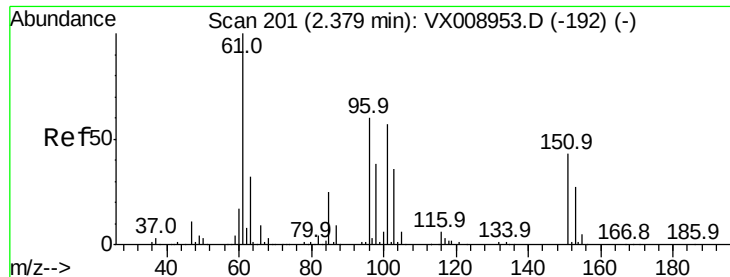


#8

Diethyl Ether
Concen: 52.226 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.4	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.673 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

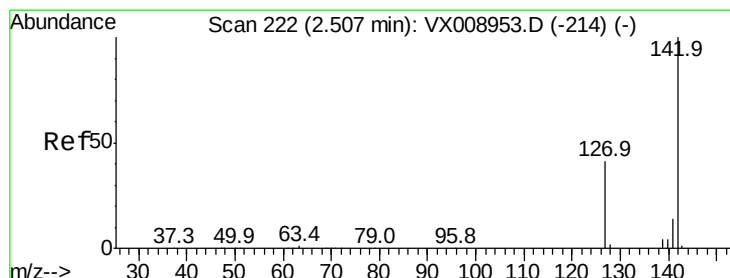
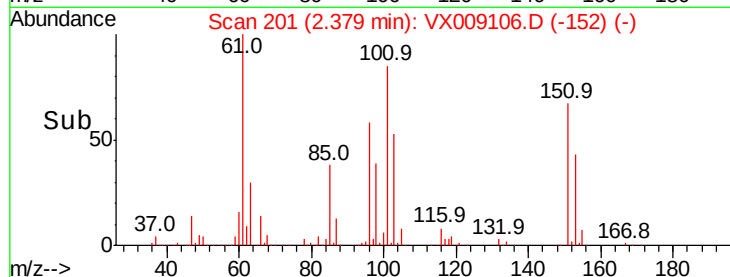
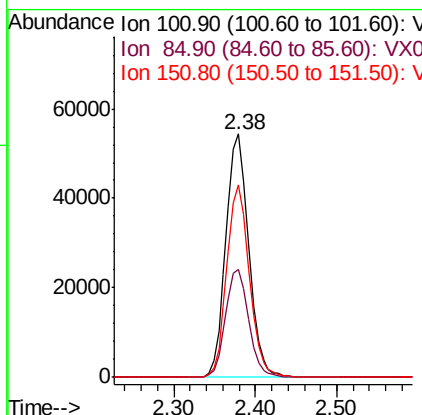
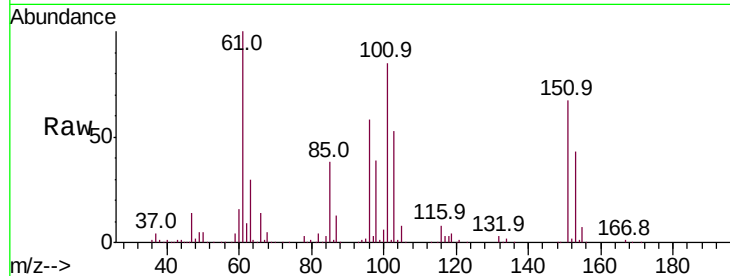
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	105665
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.7	53.5
151	77.9	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



#10

Methyl Iodide

Concen: 55.095 ug/l

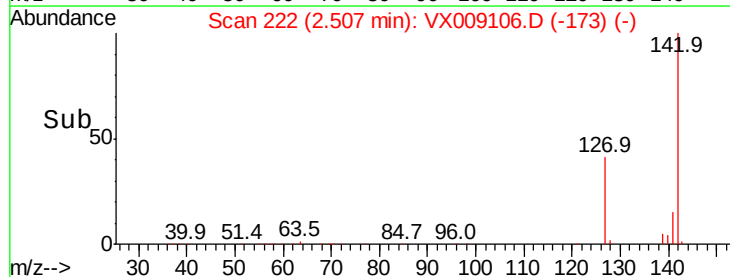
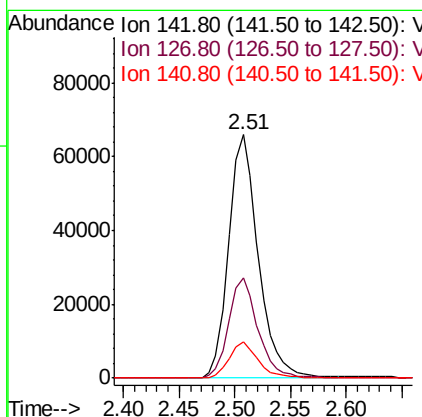
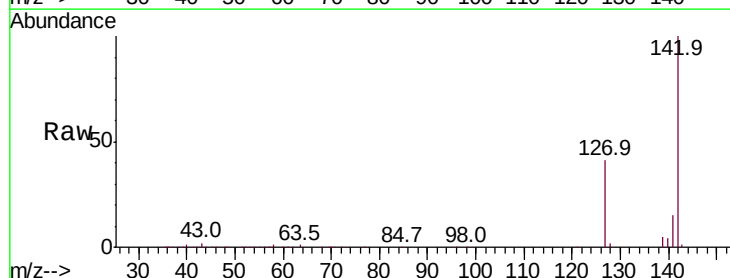
RT: 2.51 min Scan# 222

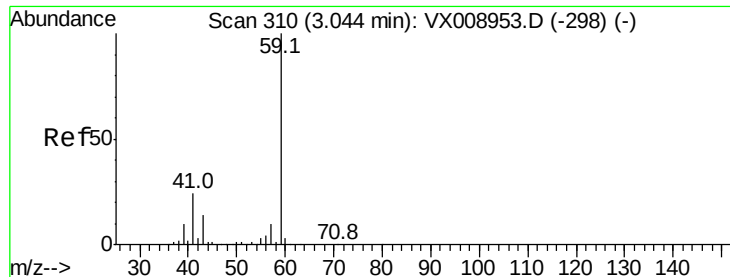
Delta R.T. 0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion:	142	Resp:	121926
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.8	49.2
141	14.5	11.4	17.2





#11

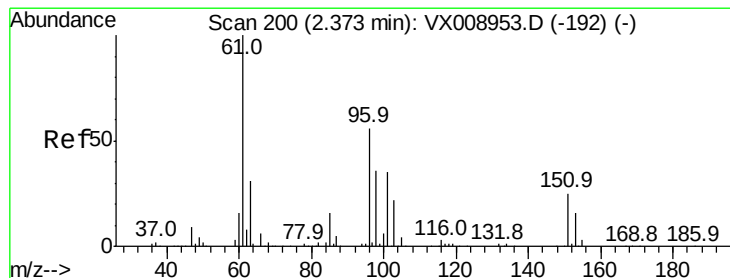
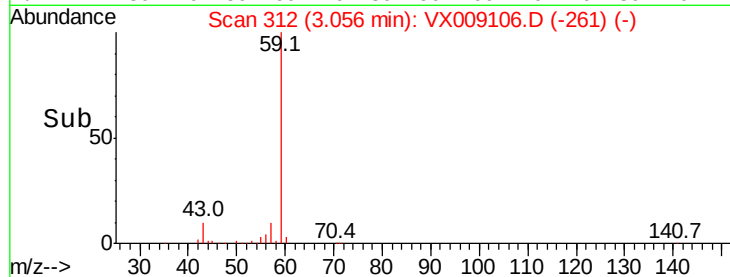
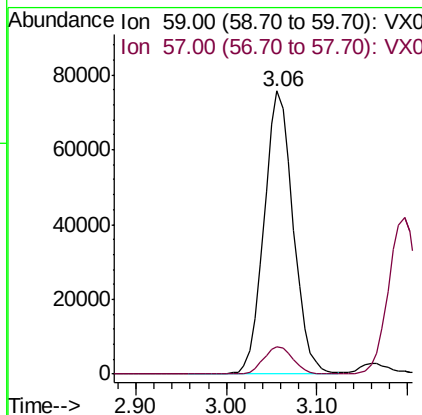
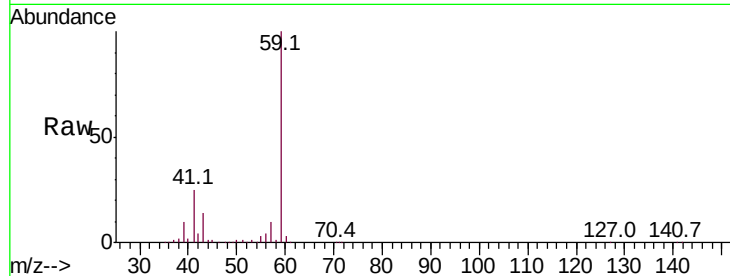
Tert butyl alcohol
Concen: 275.577 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	168323
Ion Ratio	100	Lower	Upper
57	10.1	8.4	12.6

Manual Integrations
APPROVED

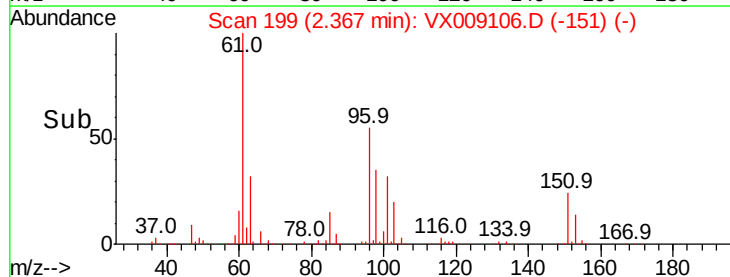
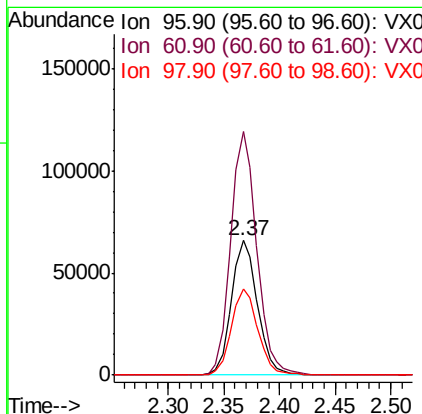
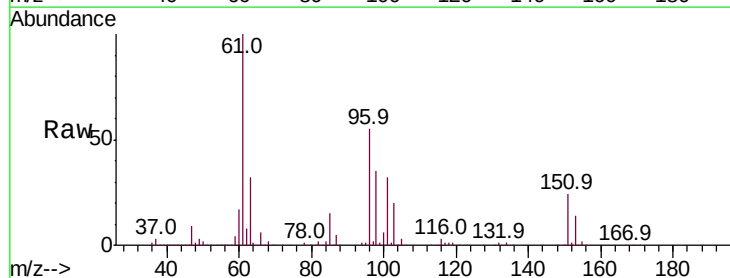
MMDadoda
4/23/2019 10:30:57 AM

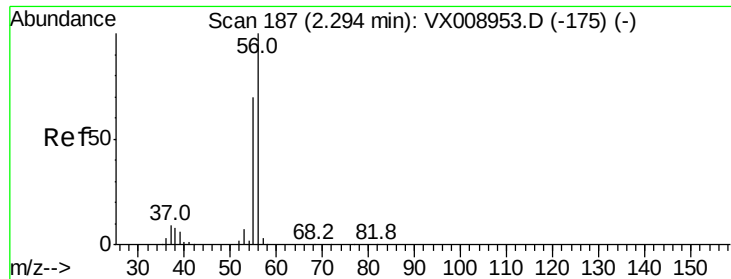


#12

1,1-Dichloroethene
Concen: 51.160 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	96	Resp	107124
Ion Ratio	100	Lower	Upper
61	180.9	142.2	213.2
98	63.7	50.9	76.3





#13

Acrolein

Concen: 242.204 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 127825

Ion Ratio Lower Upper

56 100

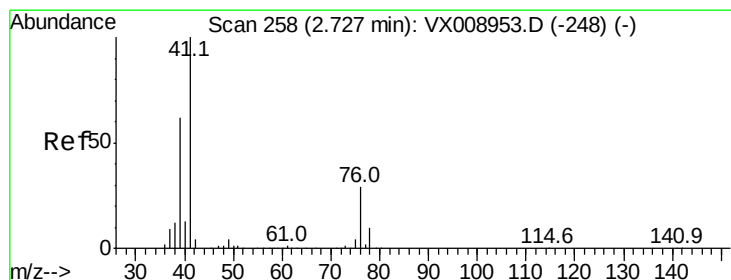
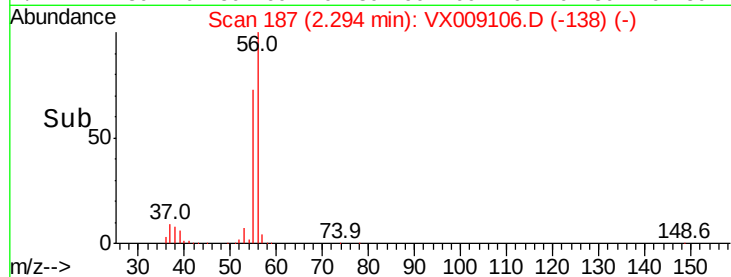
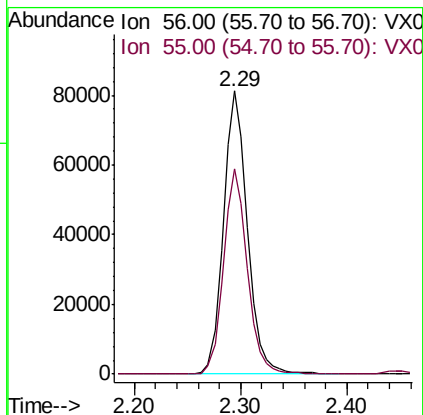
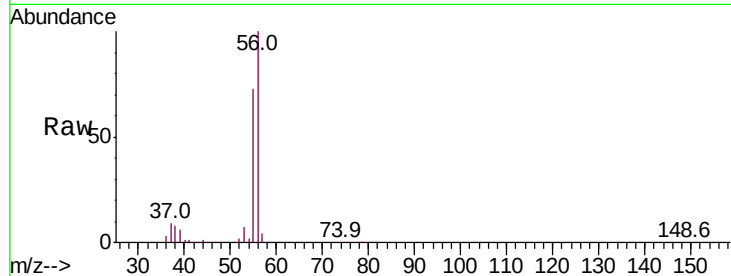
55 71.6 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#14

Allyl chloride

Concen: 55.204 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

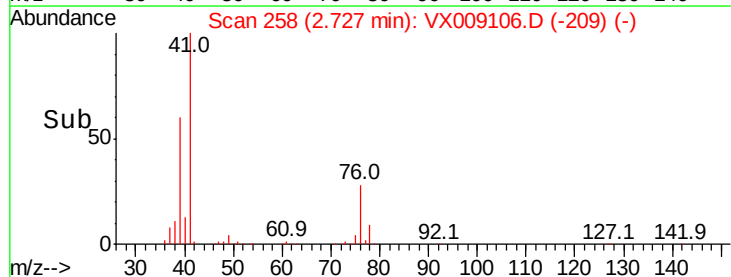
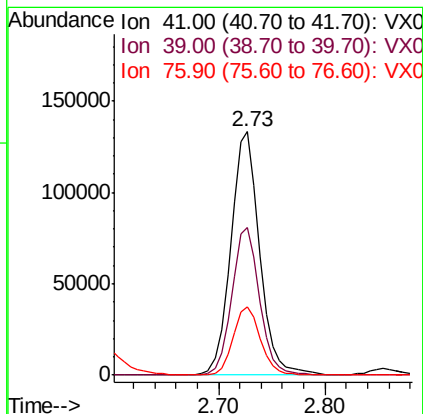
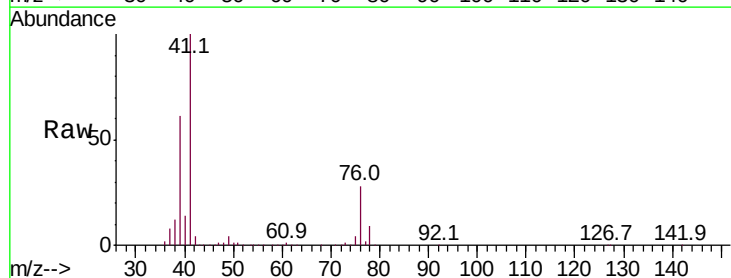
Tgt Ion: 41 Resp: 252185

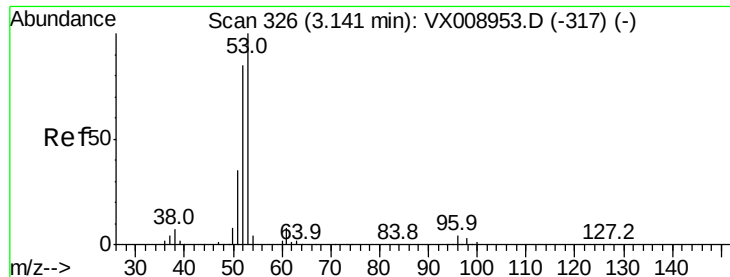
Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

76 26.7 22.0 33.0





#15

Acrylonitrile

Concen: 275.451 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

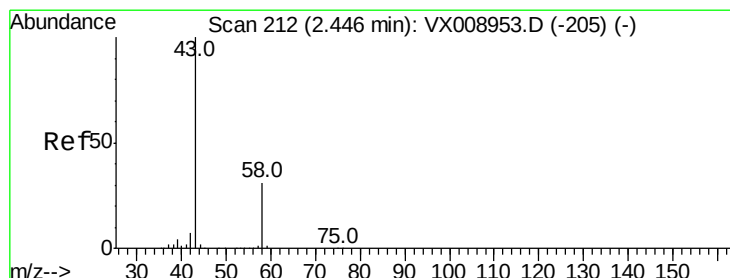
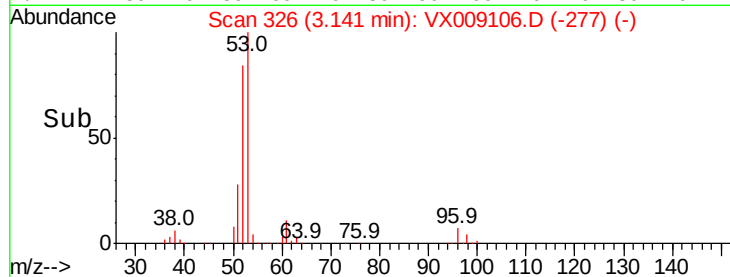
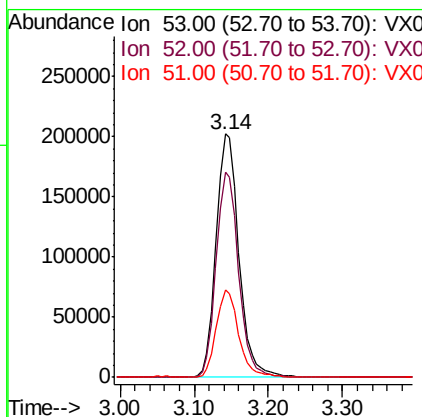
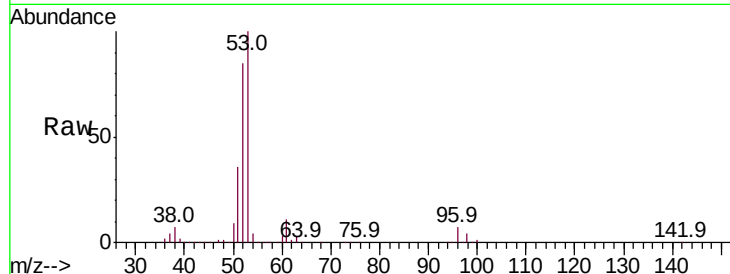
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	427091
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	35.5	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



#16

Acetone

Concen: 267.042 ug/l

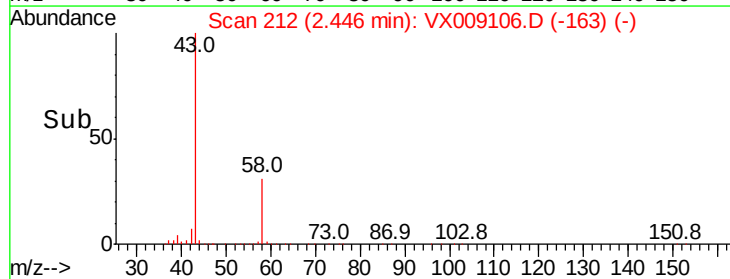
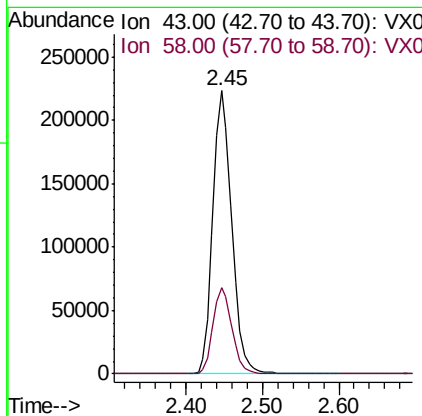
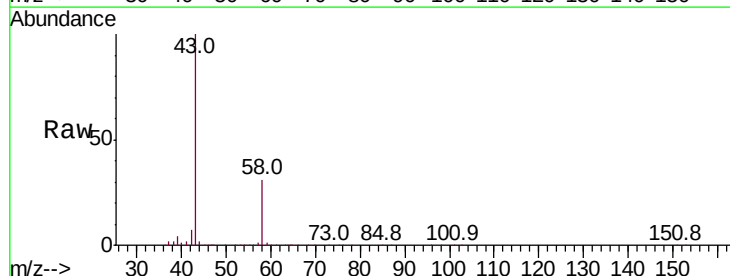
RT: 2.45 min Scan# 212

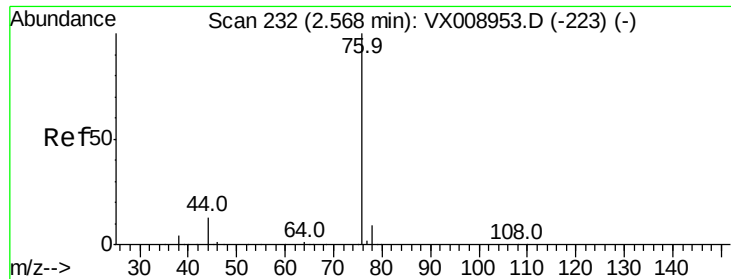
Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion:	43	Resp:	381060
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.8	37.2





#17

Carbon Disulfide

Concen: 52.153 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 321241

Ion Ratio Lower Upper

76 100

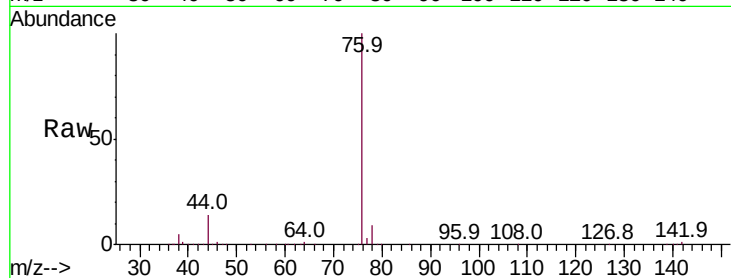
78 8.9 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

100000

50000

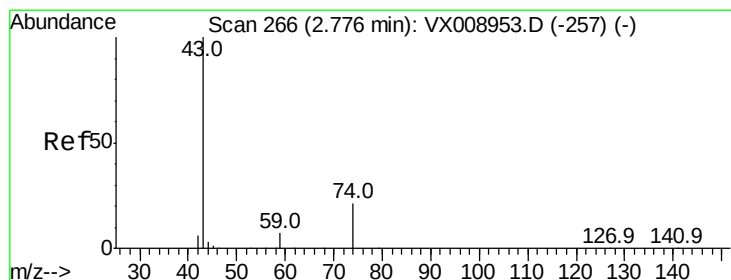
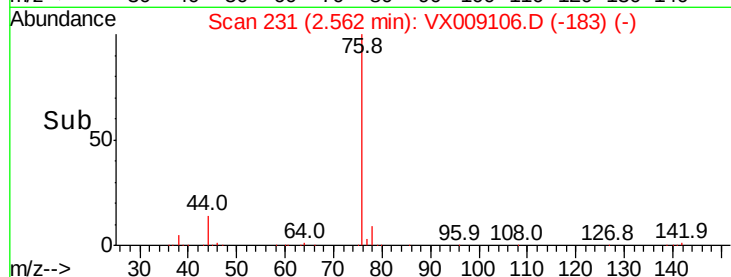
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 54.327 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009106.D

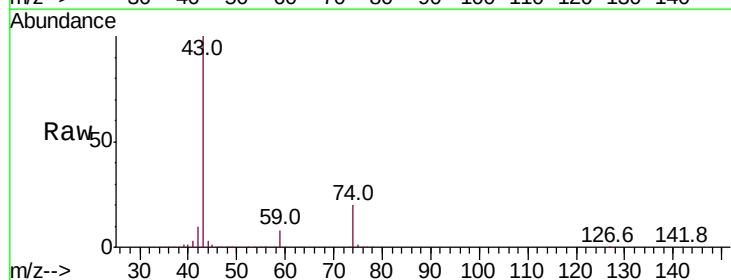
Acq: 22 Apr 2019 18:42

Tgt Ion: 43 Resp: 193480

Ion Ratio Lower Upper

43 100

74 19.5 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

20000

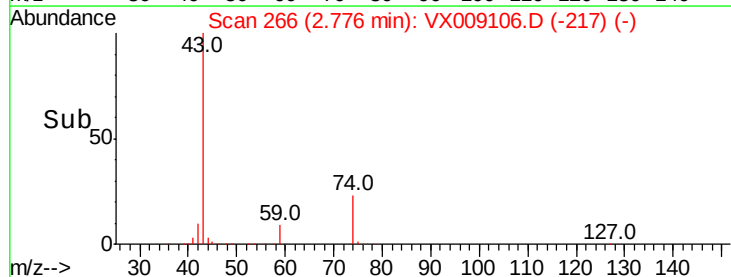
0

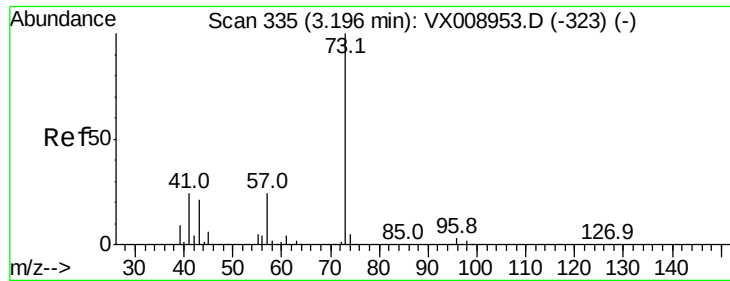
2.70

2.80

2.90

Time-->





#19

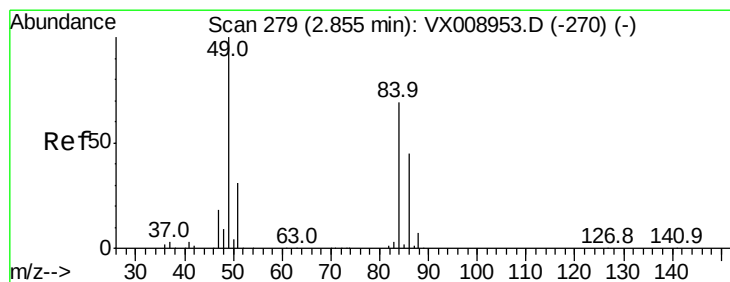
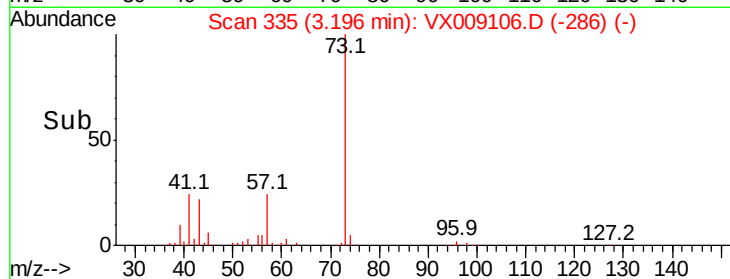
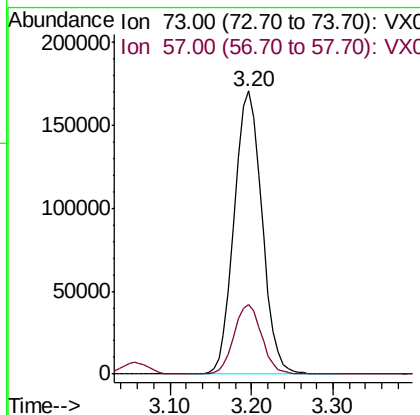
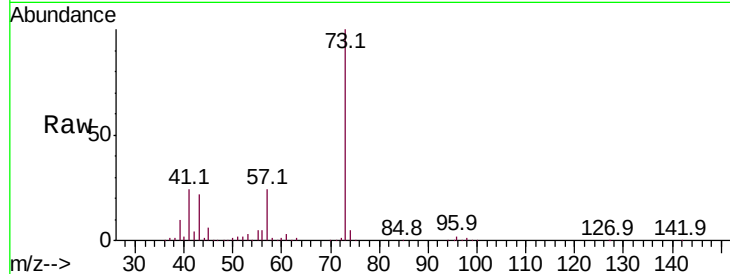
Methyl tert-butyl Ether
 Concen: 53.819 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.2	28.8

Manual Integrations
 APPROVED

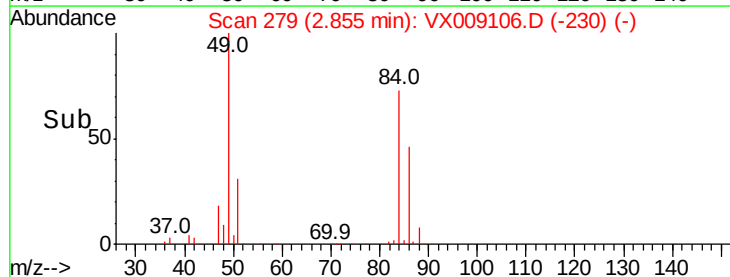
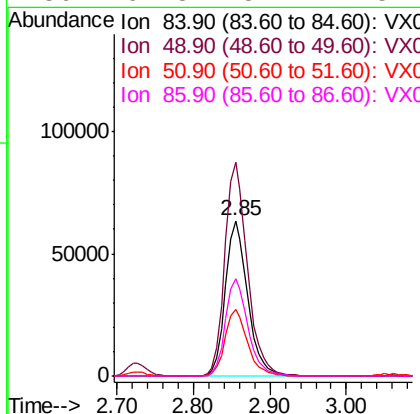
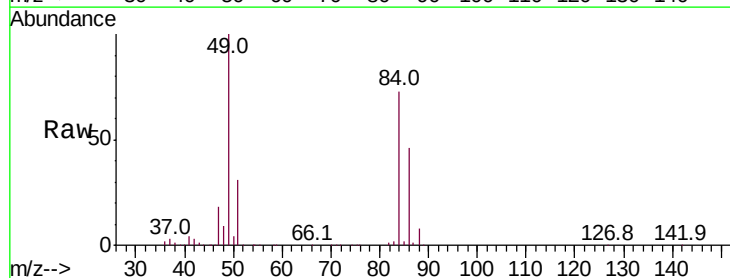
MMDadoda
 4/23/2019 10:30:57 AM

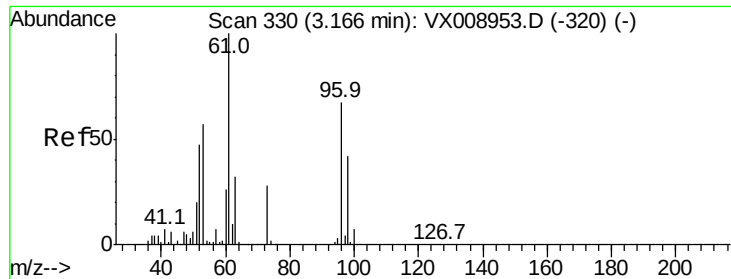


#20

Methylene Chloride
 Concen: 52.308 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.8	115.4	173.0
51	42.8	35.8	53.6
86	62.8	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 51.764 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 115608

Ion Ratio Lower Upper

96 100

61 158.0 120.3 180.5

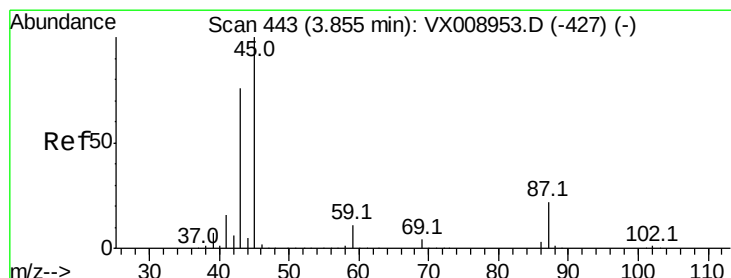
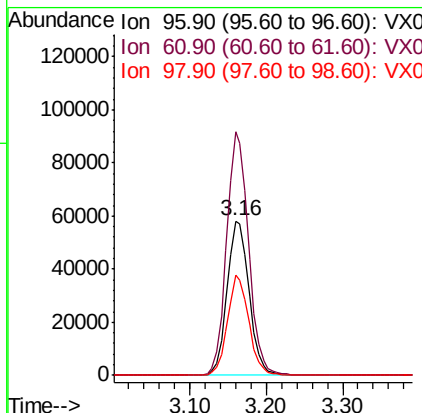
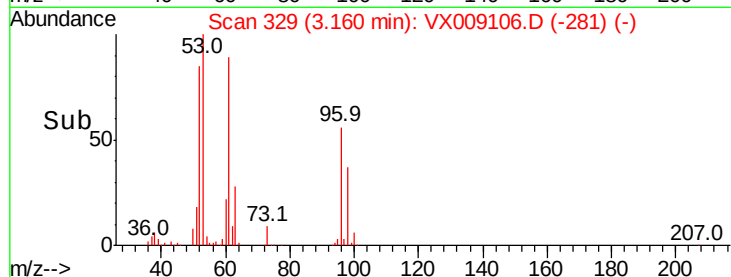
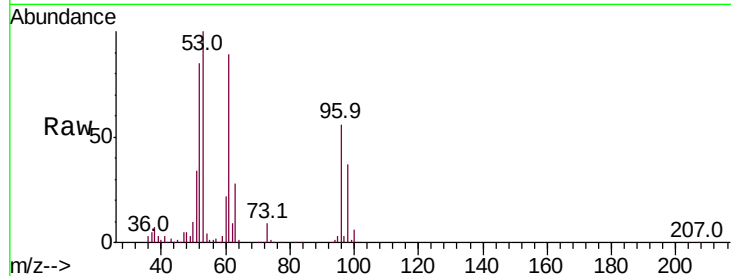
98 65.2 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#22

Diisopropyl ether

Concen: 54.777 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion: 45 Resp: 486248

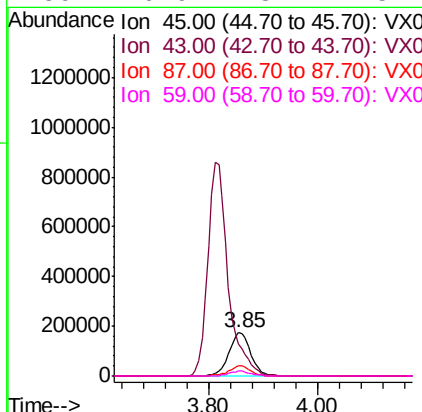
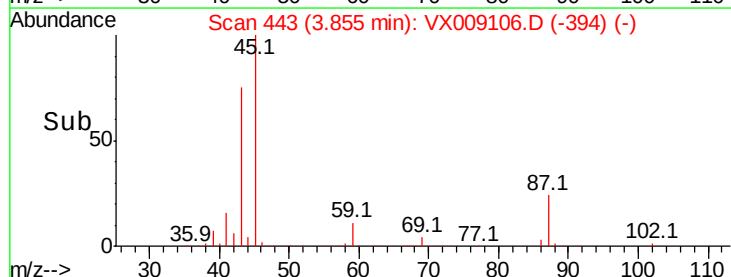
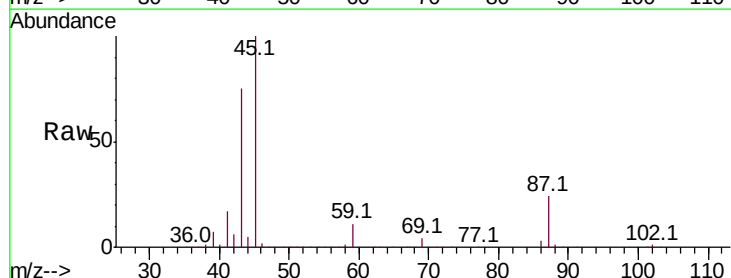
Ion Ratio Lower Upper

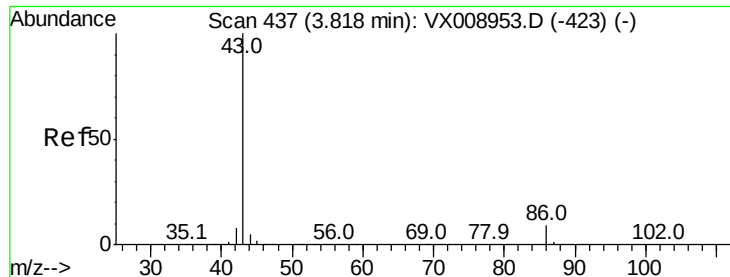
45 100

43 74.5 60.6 91.0

87 23.7 17.8 26.8

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 283.586 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2212845

Ion Ratio Lower Upper

43 100

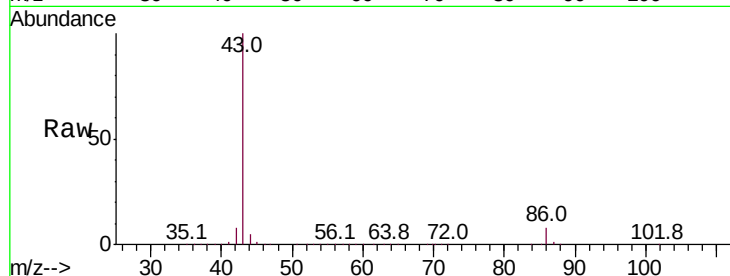
86 8.3 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

200000

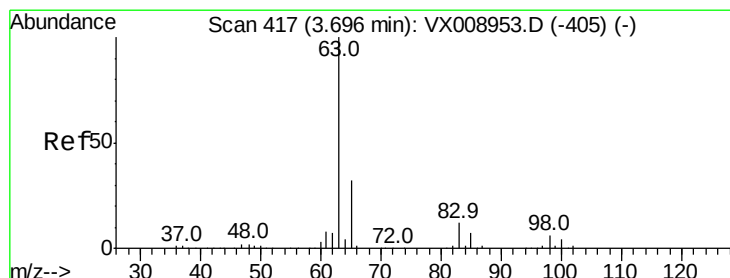
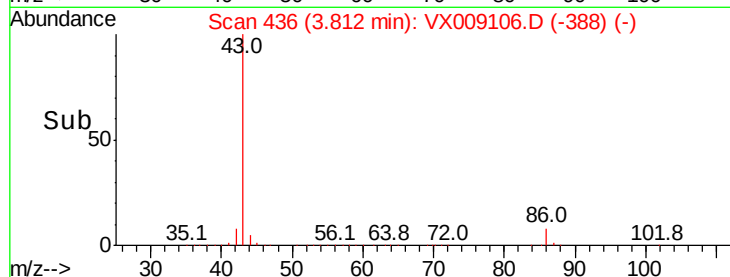
0

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 53.575 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

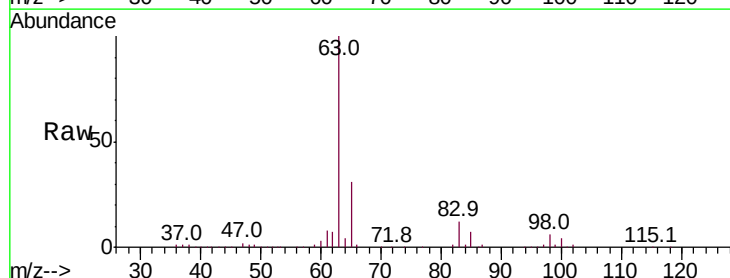
Tgt Ion: 63 Resp: 238733

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

50000

0

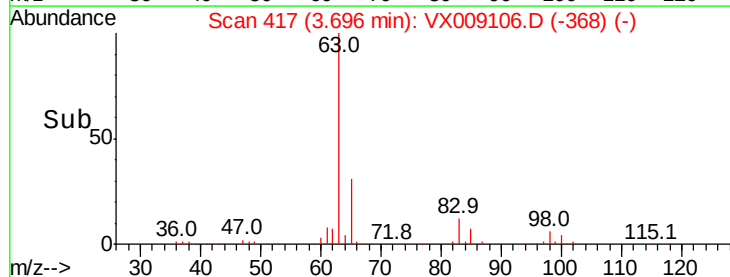
3.60

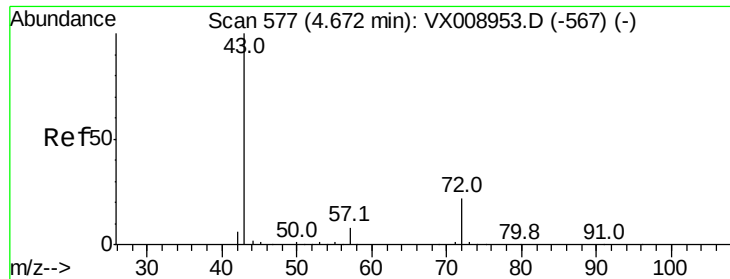
3.70

3.80

3.90

Time-->





#25

2-Butanone

Concen: 281.082 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 641123

Ion Ratio Lower Upper

43 100

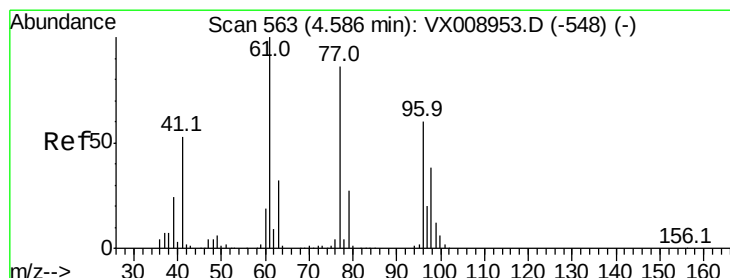
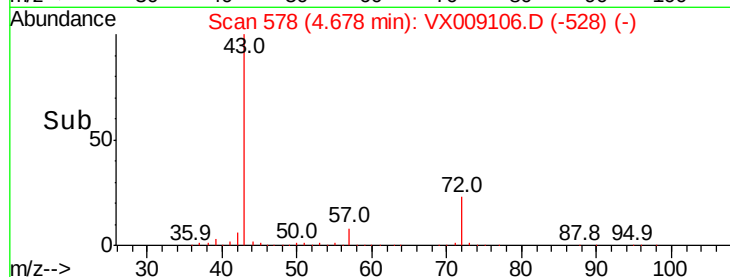
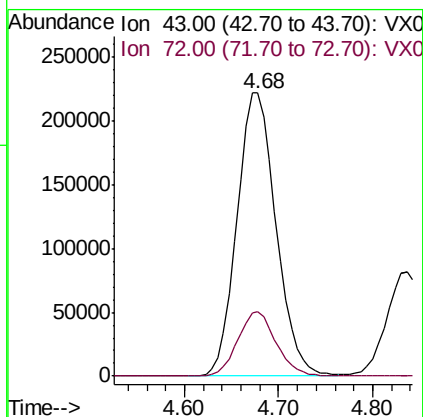
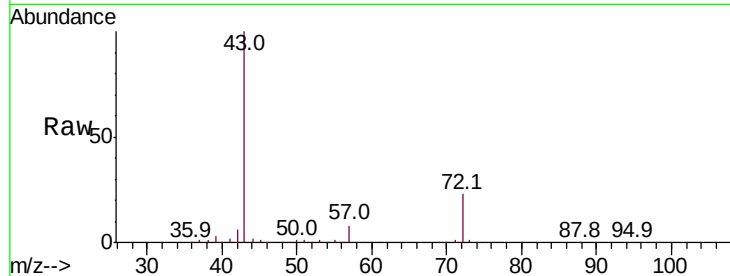
72 22.5 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#26

2,2-Dichloropropane

Concen: 50.242 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009106.D

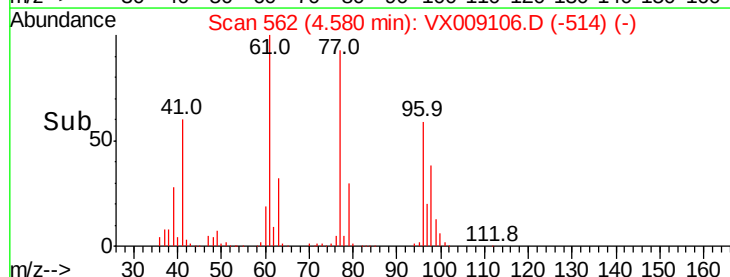
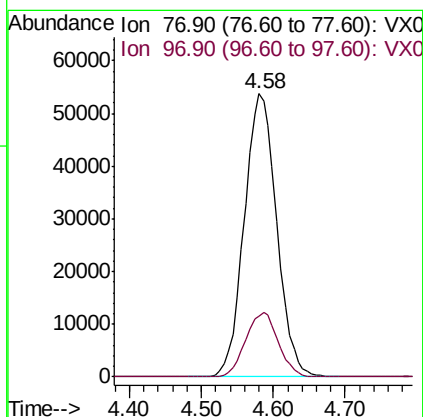
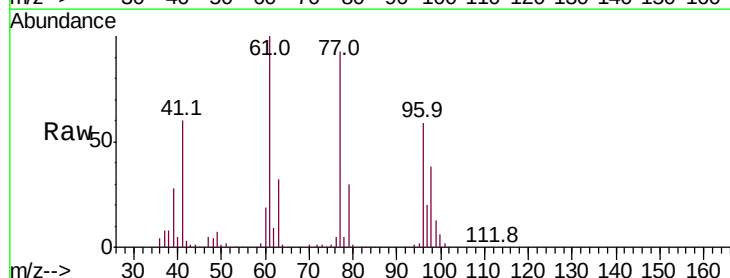
Acq: 22 Apr 2019 18:42

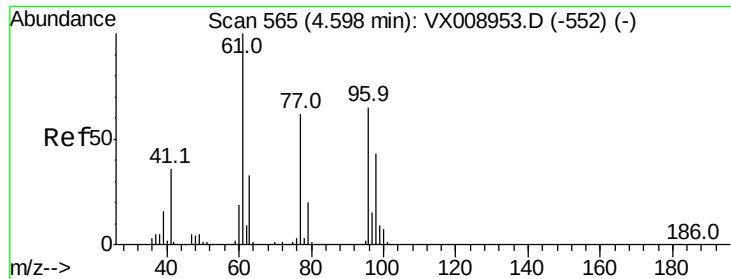
Tgt Ion: 77 Resp: 167818

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

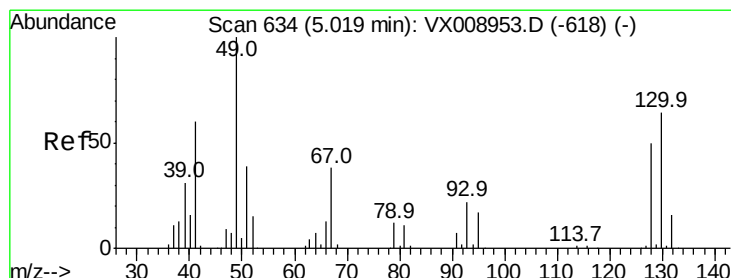
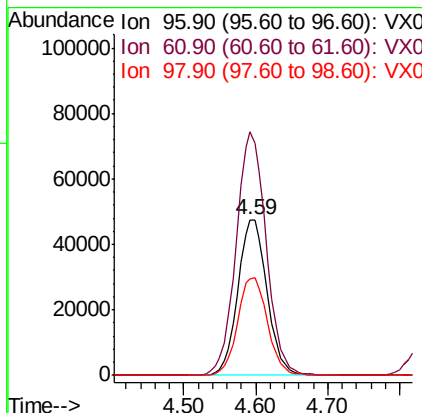
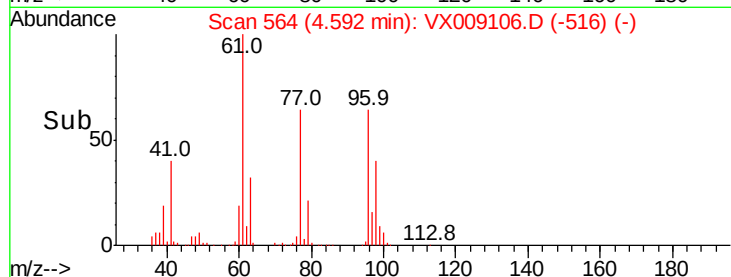
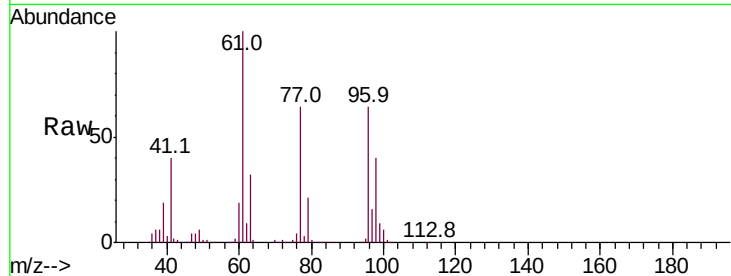
cis-1,2-Dichloroethene
Concen: 52.797 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	133877		
61	160.9	0.0	322.0	
98	64.1	0.0	128.4	

Manual Integrations
APPROVED

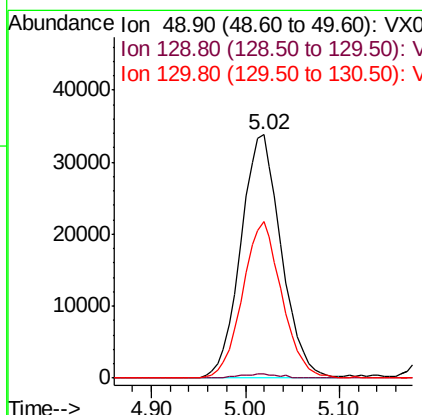
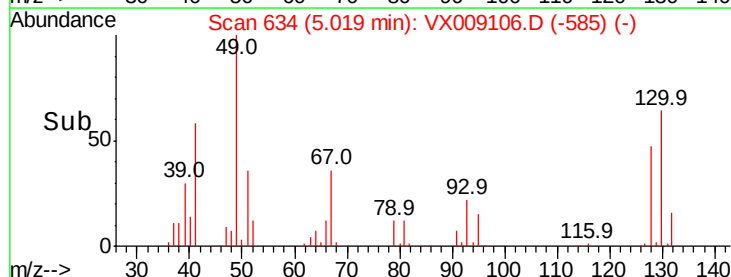
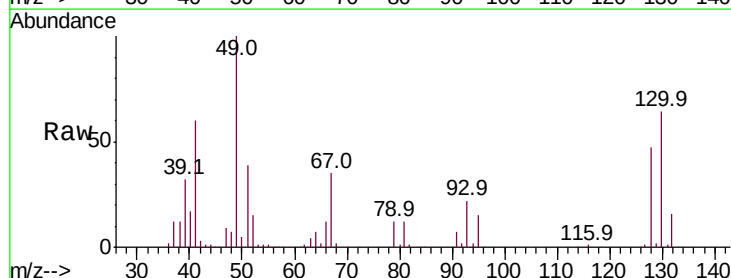
MMDadoda
4/23/2019 10:30:57 AM

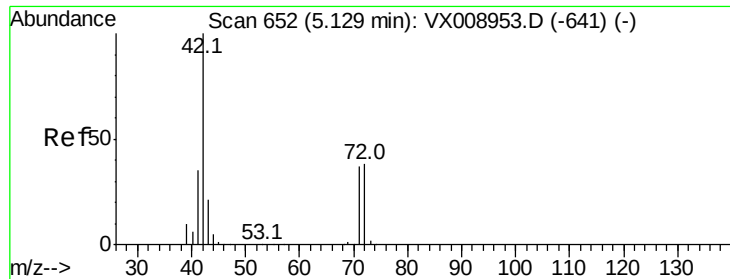


#28

Bromochloromethane
Concen: 54.809 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101101		
129	1.7	0.0	3.6	
130	62.7	50.4	75.6	





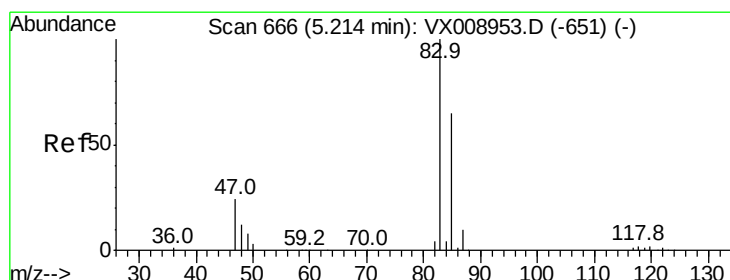
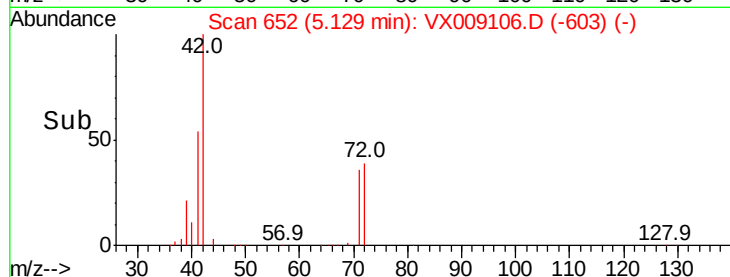
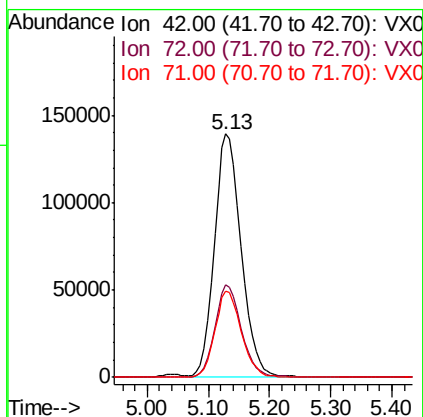
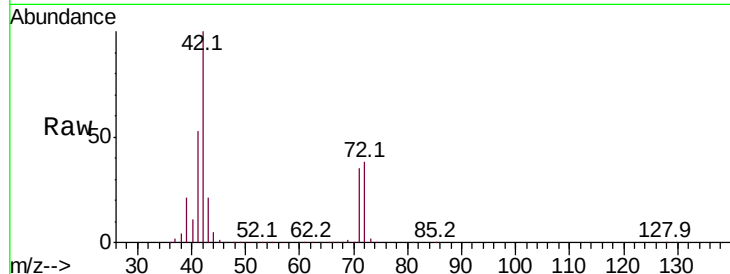
#29
Tetrahydrofuran
Concen: 277.907 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.6	45.8
71	35.2	28.8	43.2

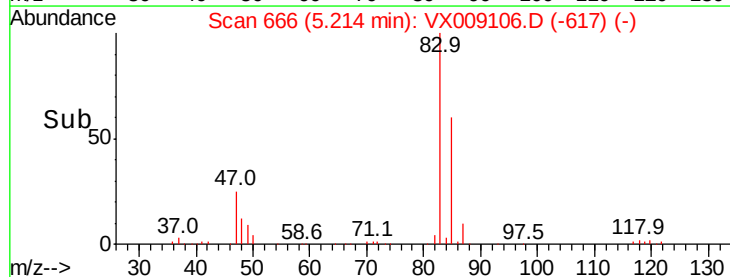
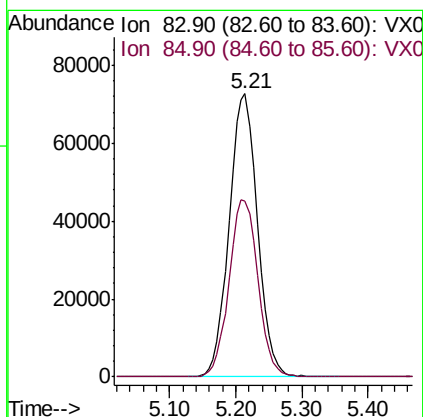
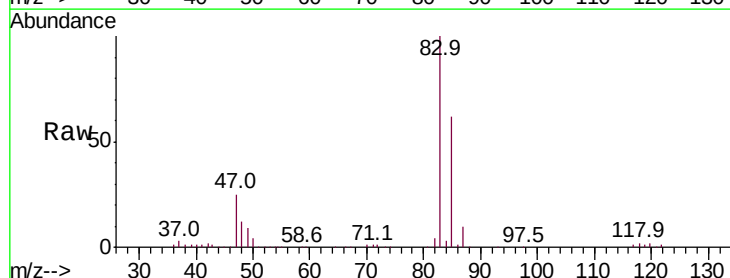
Manual Integrations
APPROVED

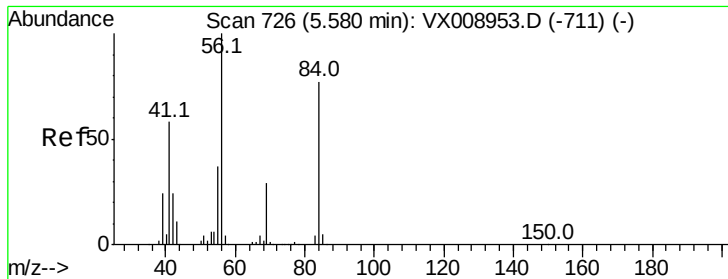
MMDadoda
4/23/2019 10:30:57 AM



#30
Chloroform
Concen: 54.090 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.9	77.9





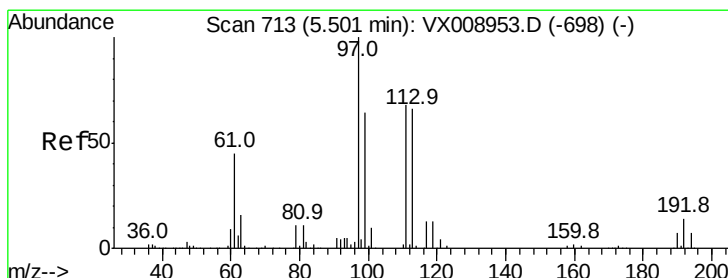
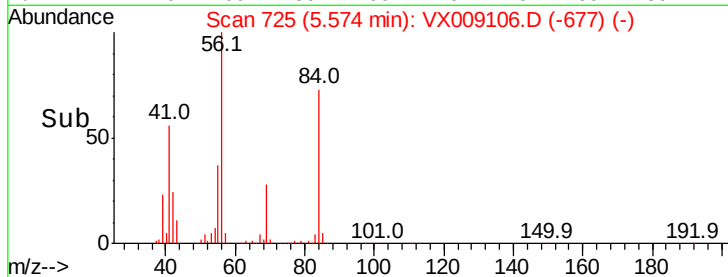
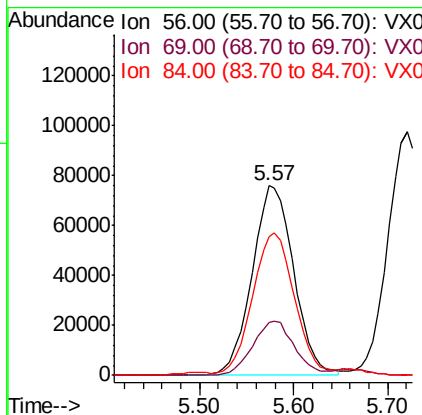
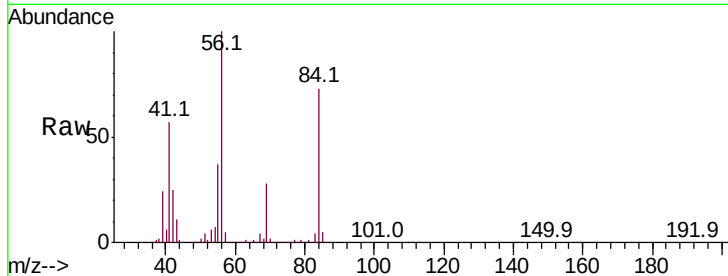
#31
Cyclohexane
Concen: 53.748 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.3	34.9
84	71.8	61.7	92.5

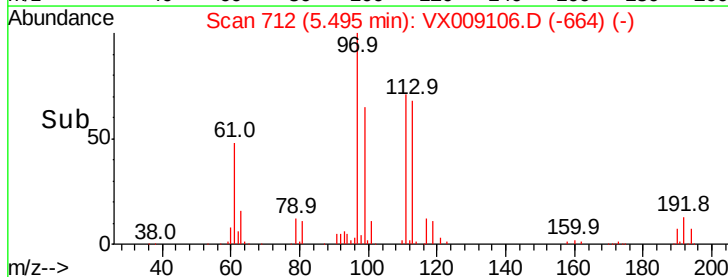
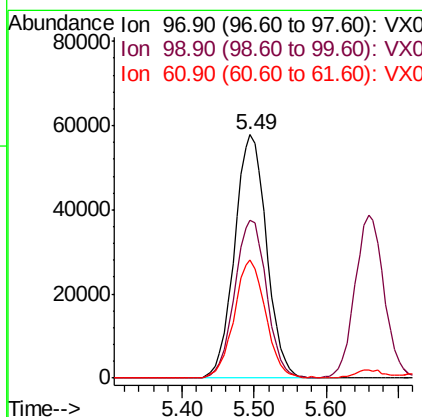
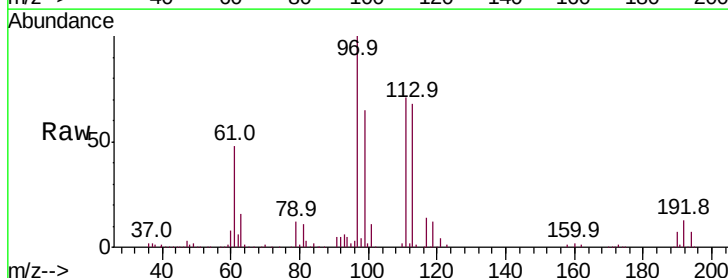
Manual Integrations
APPROVED

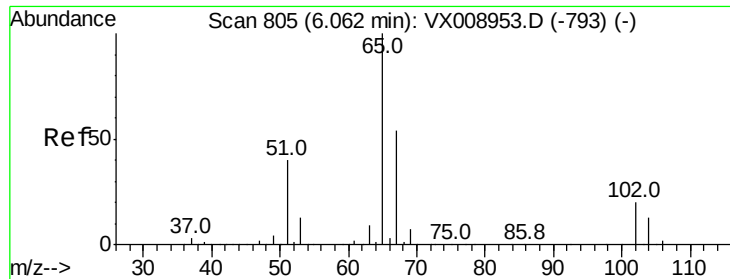
MMDadoda
4/23/2019 10:30:57 AM



#32
1,1,1-Trichloroethane
Concen: 53.944 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	47.8	37.9	56.9





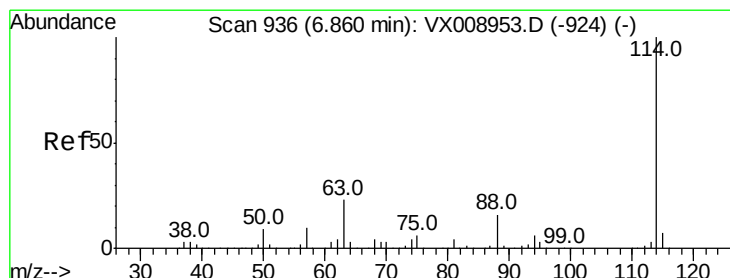
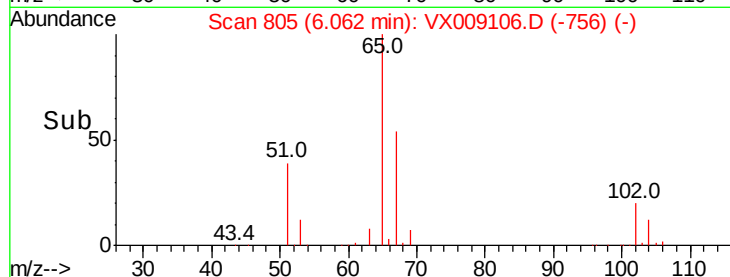
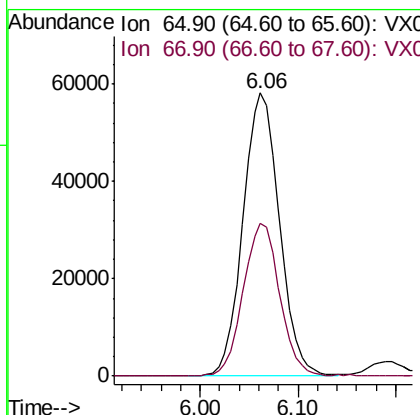
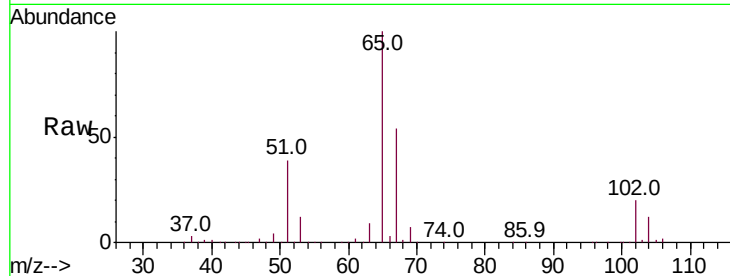
#33
 1,2-Dichloroethane-d4
 Concen: 54.939 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.6

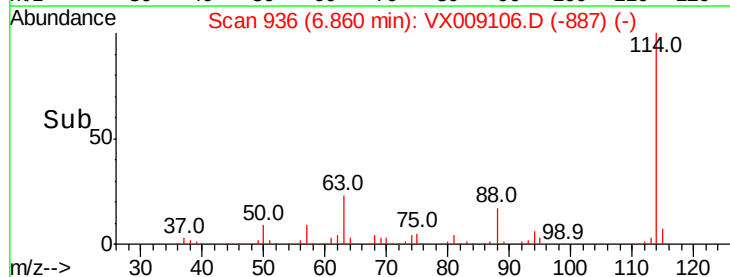
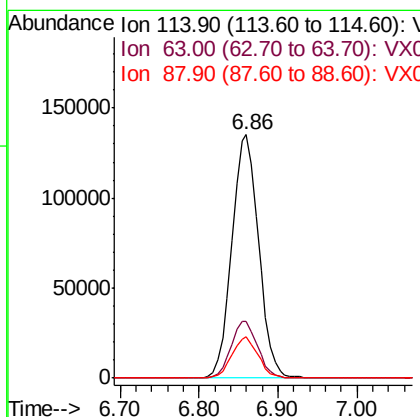
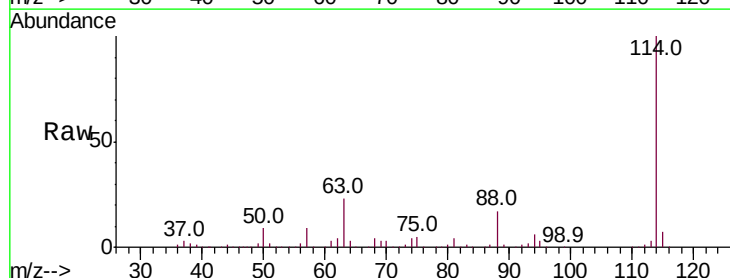
Manual Integrations
 APPROVED

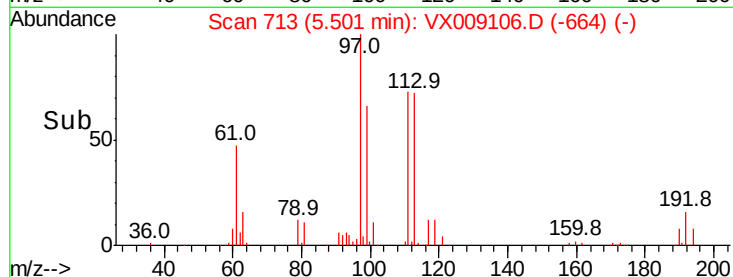
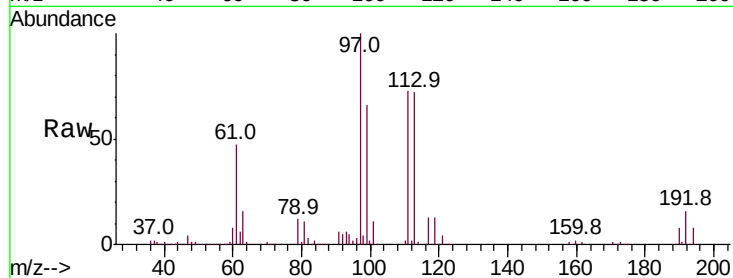
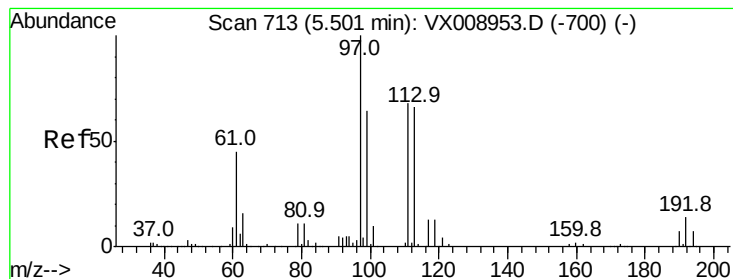
MMDadoda
 4/23/2019 10:30:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.0
88	17.1	0.0	32.6





#35

Dibromofluoromethane

Concen: 55.352 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009106.D

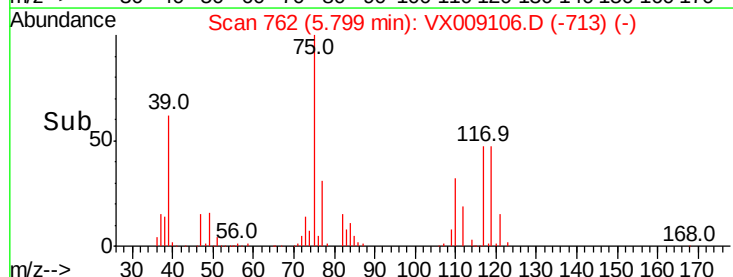
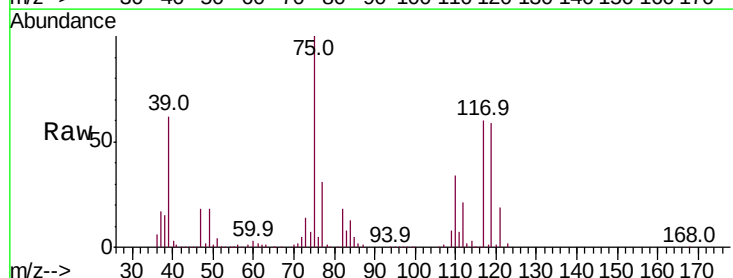
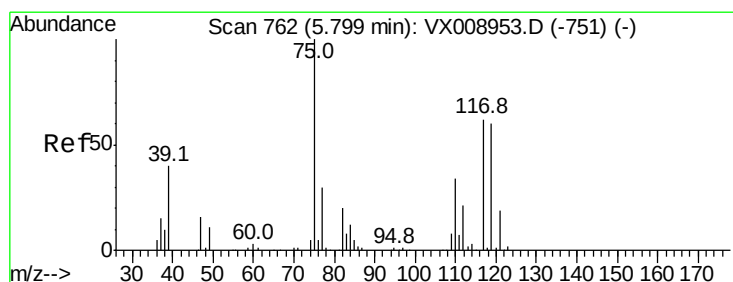
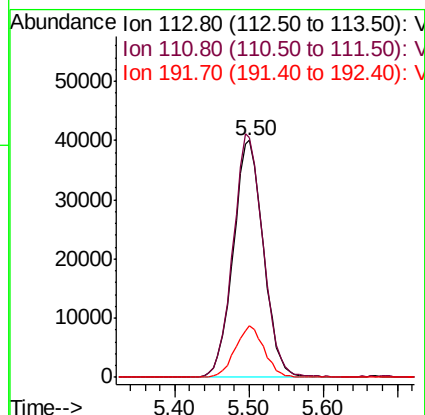
Acq: 22 Apr 2019 18:42

Tot Ion:	113	Resp:	113409
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.9	124.3
192	20.9	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



#36

1,1-Dichloropropene

Concen: 51.029 ug/l

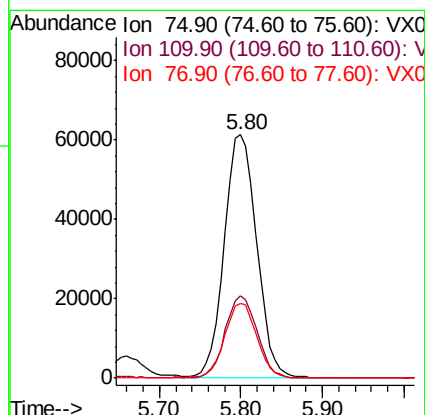
RT: 5.80 min Scan# 762

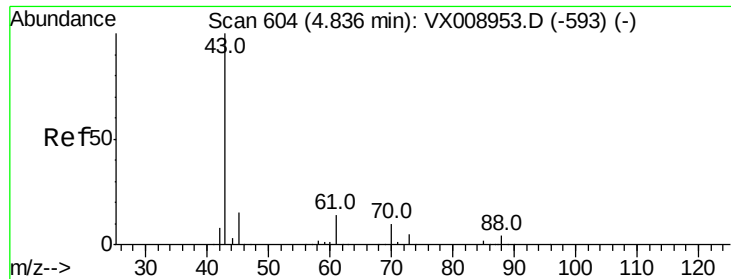
Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion:	75	Resp:	168483
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.9	50.7
77	30.5	25.0	37.4





#37

Ethyl Acetate

Concen: 56.892 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 241709

Ion Ratio Lower Upper

43 100

61 12.8 10.6 15.8

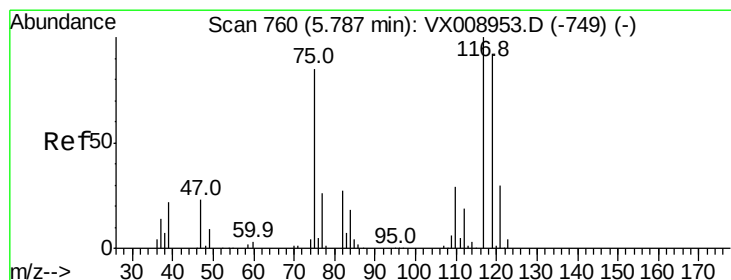
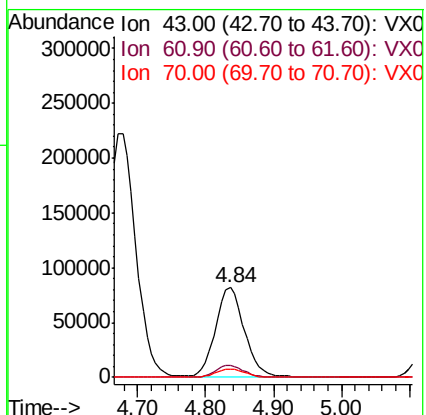
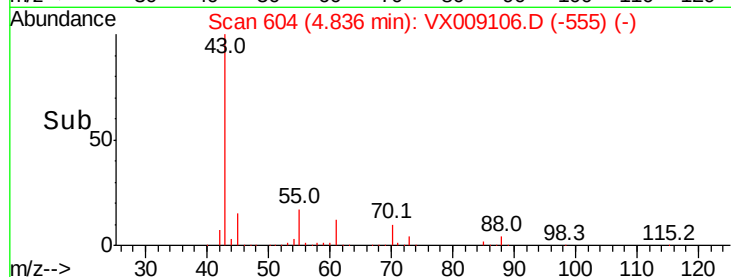
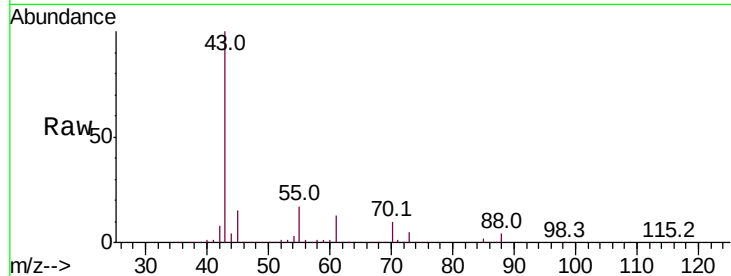
70 9.5 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#38

Carbon Tetrachloride

Concen: 52.915 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

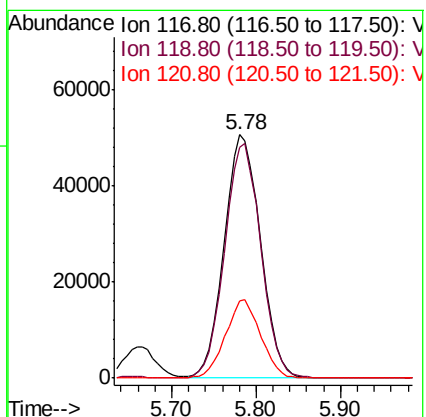
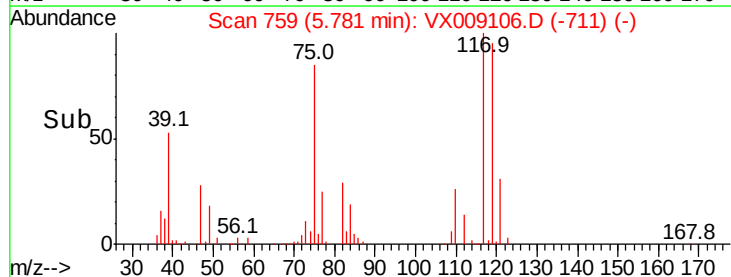
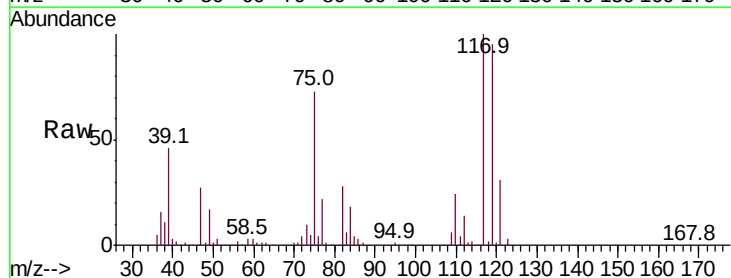
Tgt Ion: 117 Resp: 148113

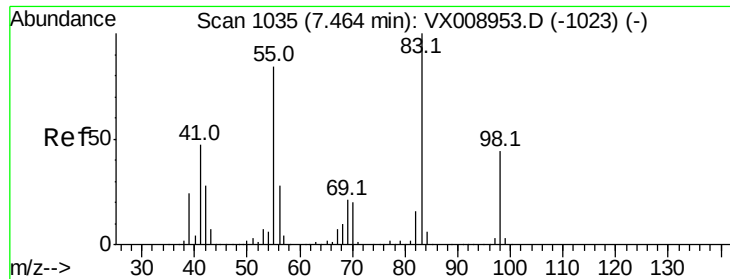
Ion Ratio Lower Upper

117 100

119 94.7 73.8 110.8

121 31.5 23.6 35.4





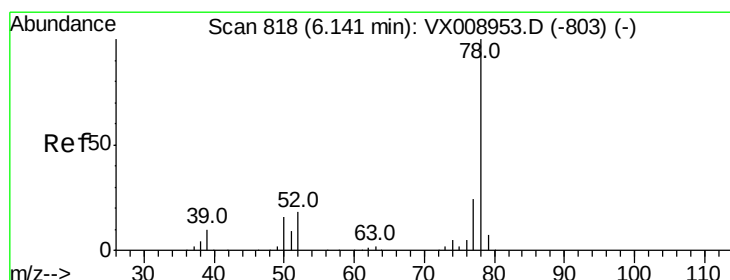
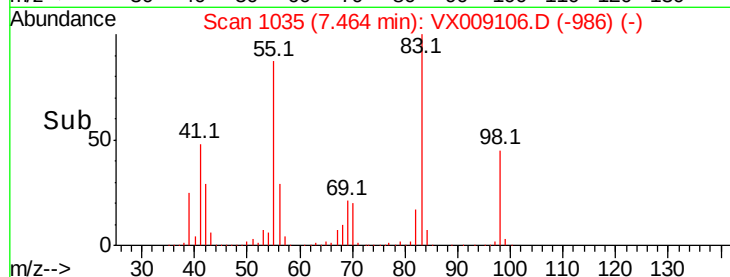
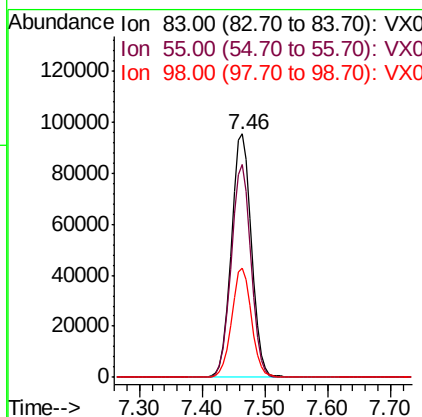
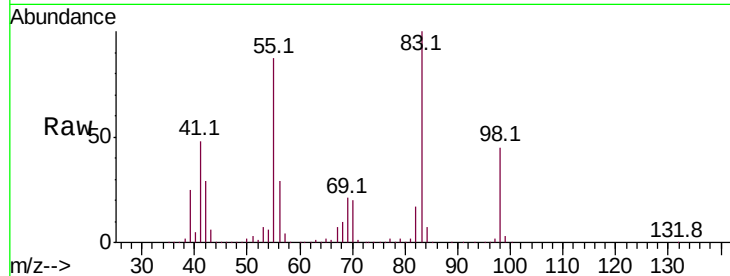
#39
Methylvlcyclohexane
Concen: 52.421 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	210731
Ion	Ratio	Lower	Upper
83	100		
55	87.4	67.1	100.7
98	44.6	35.1	52.7

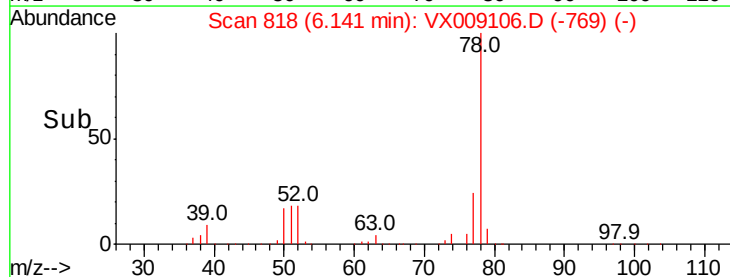
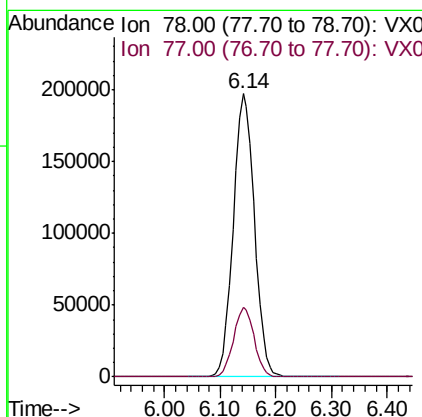
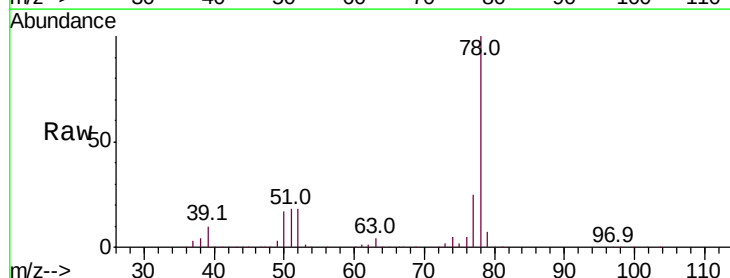
Manual Integrations
APPROVED

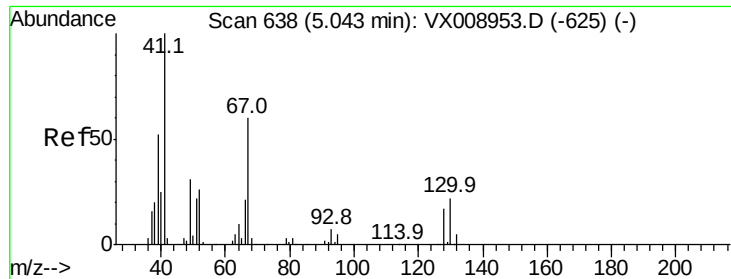
MMDadoda
4/23/2019 10:30:57 AM



#40
Benzene
Concen: 53.134 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	78	Resp	517541
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





#41

Methacrylonitrile

Concen: 55.502 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

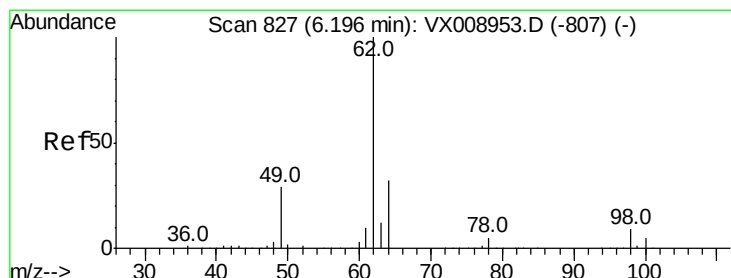
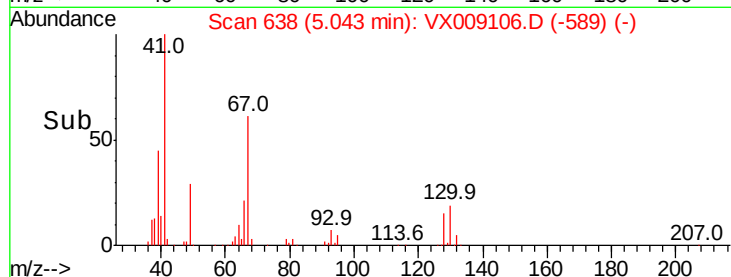
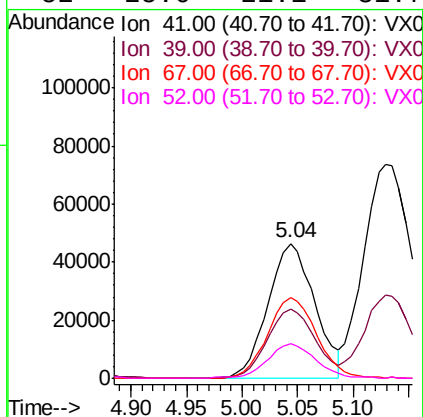
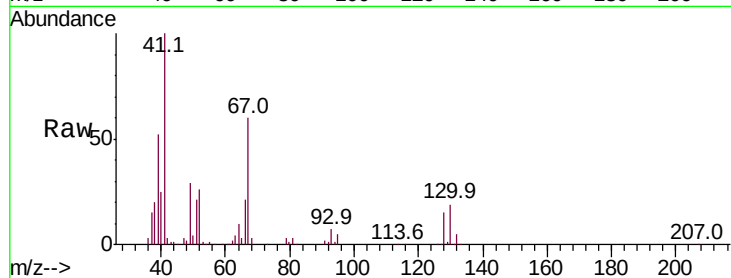
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	41.8	62.6	
67	62.7	50.2	75.4	
52	25.6	21.1	31.7	

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



#42

1,2-Dichloroethane

Concen: 53.118 ug/l

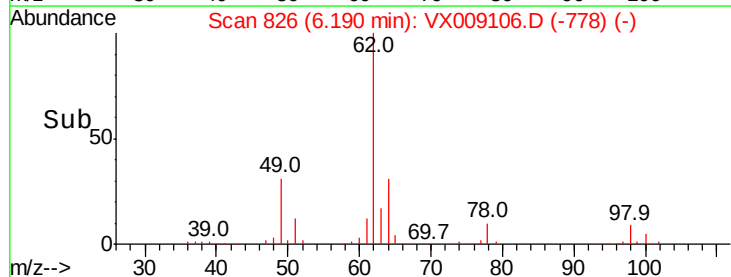
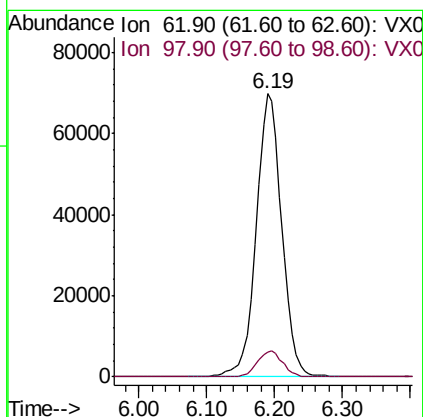
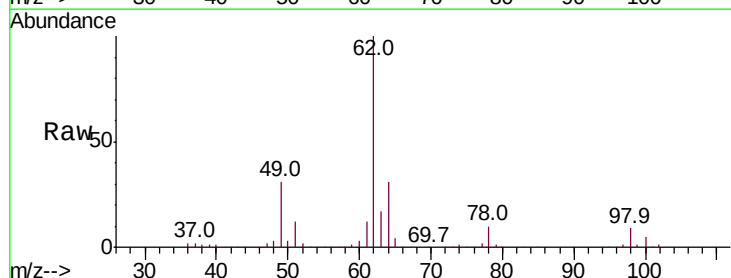
RT: 6.19 min Scan# 826

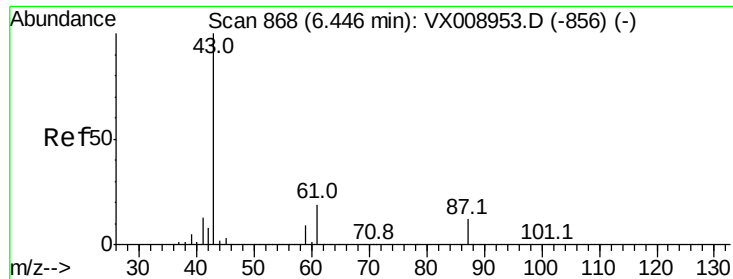
Delta R.T. -0.01 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

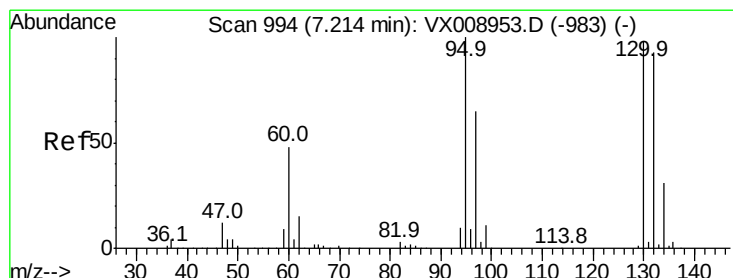
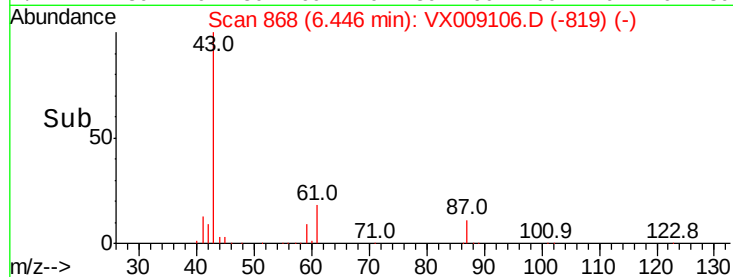
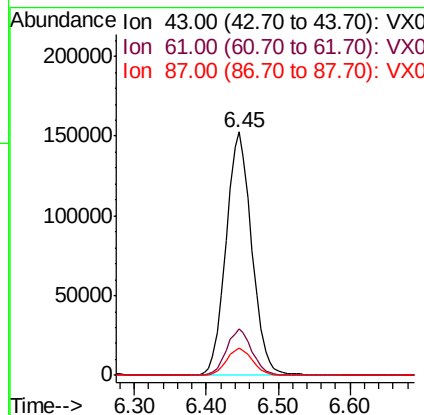
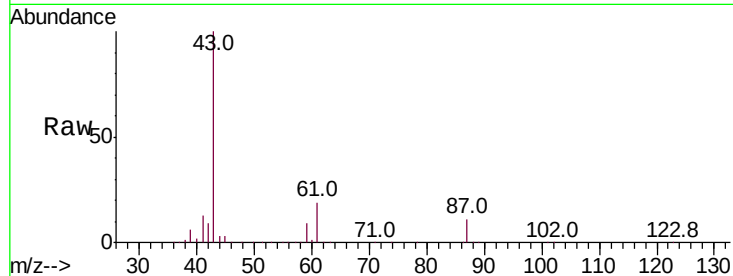
Isopropyl Acetate
 Concen: 55.162 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.0
87	11.3	9.0	13.4

Manual Integrations
 APPROVED

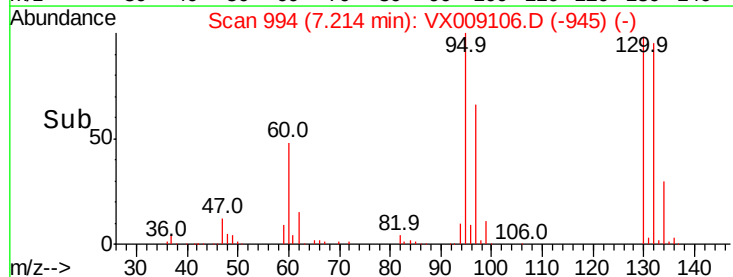
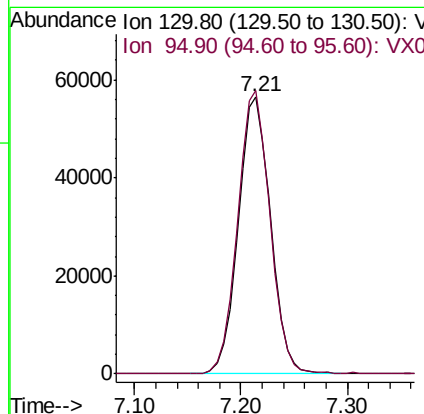
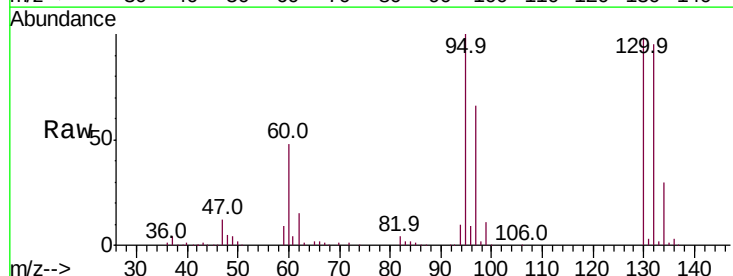
MMDadoda
 4/23/2019 10:30:57 AM

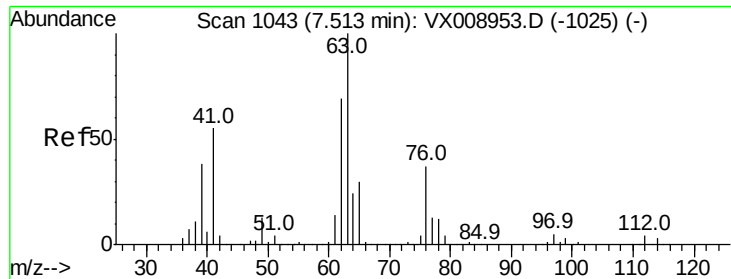


#44

Trichloroethene
 Concen: 50.365 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	203.2





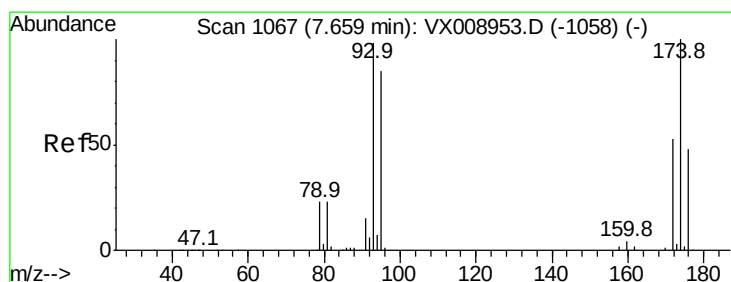
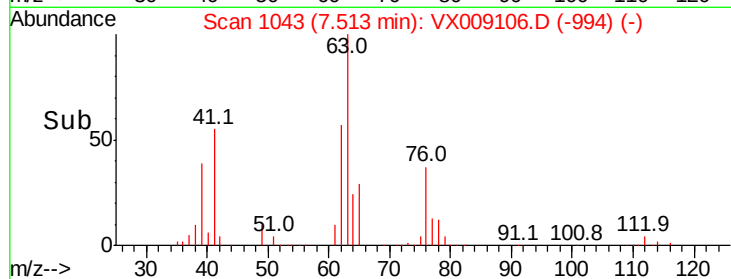
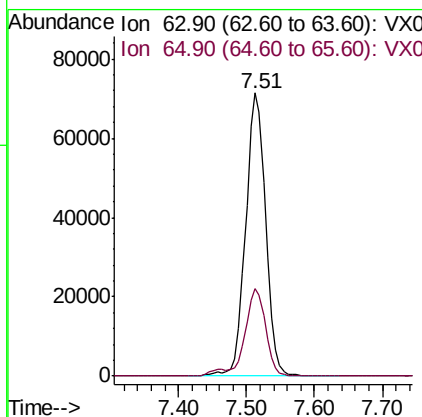
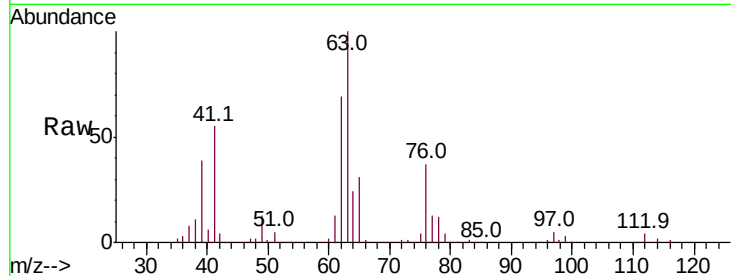
#45
 1,2-Dichloropropane
 Concen: 54.119 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 146240
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.1 36.1

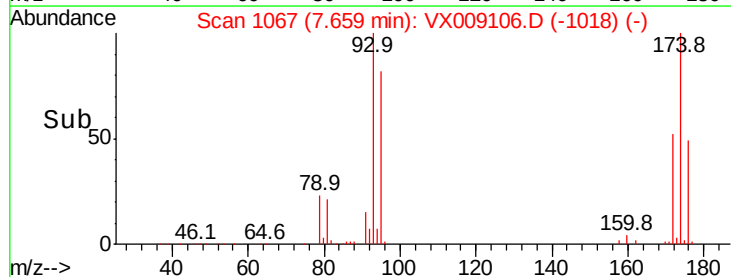
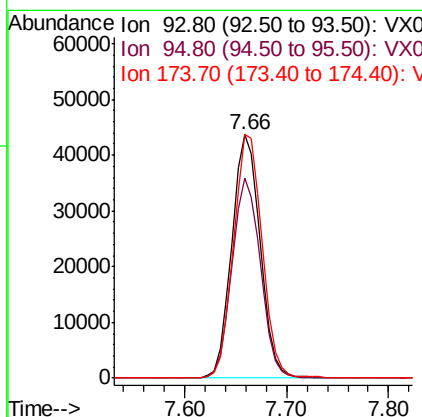
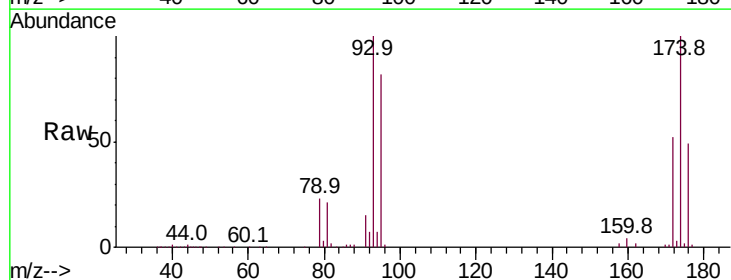
Manual Integrations
 APPROVED

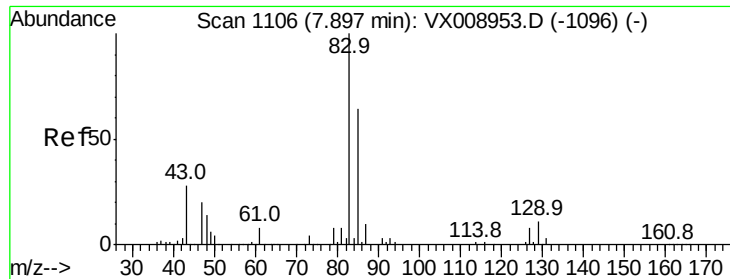
MMDadoda
 4/23/2019 10:30:57 AM



#46
 Dibromomethane
 Concen: 53.232 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion: 93 Resp: 83714
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.0 100.4
 174 100.9 81.6 122.4





#47

Bromodichloromethane

Concen: 54.173 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

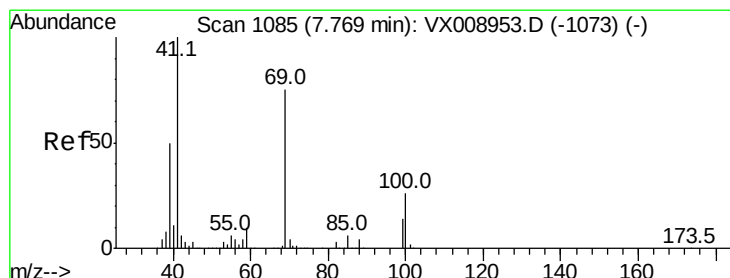
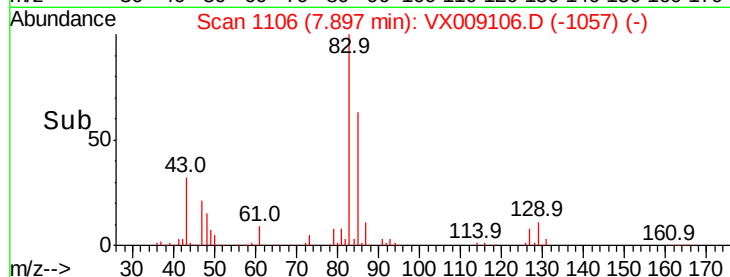
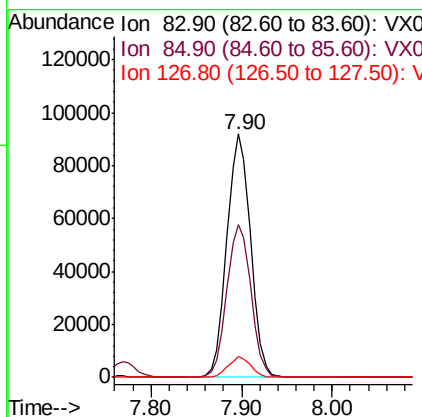
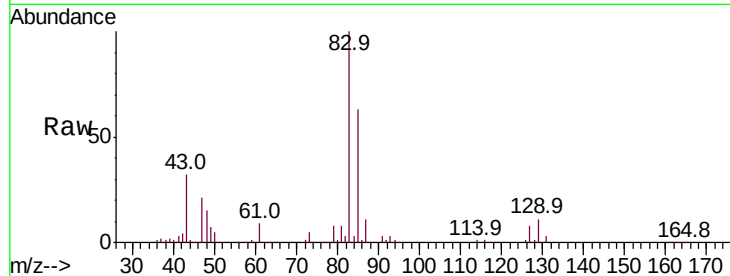
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	167094
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.8	76.2
127	8.4	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



#48

Methyl methacrylate

Concen: 56.431 ug/l

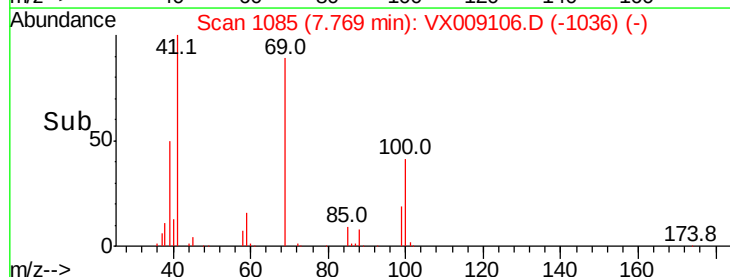
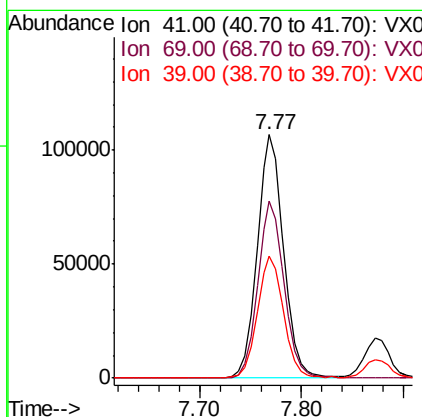
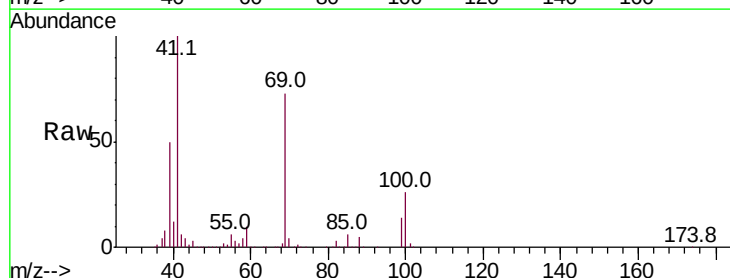
RT: 7.77 min Scan# 1085

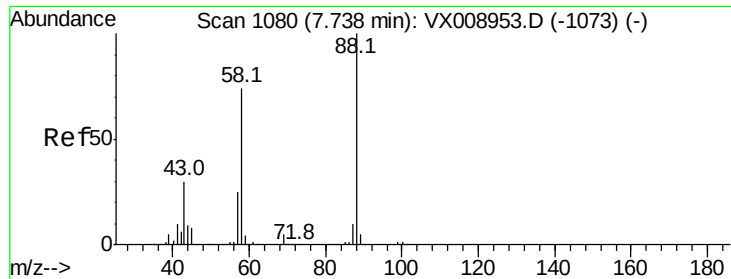
Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion:	41	Resp:	190905
Ion	Ratio	Lower	Upper
41	100		
69	72.9	59.4	89.2
39	50.0	39.8	59.6





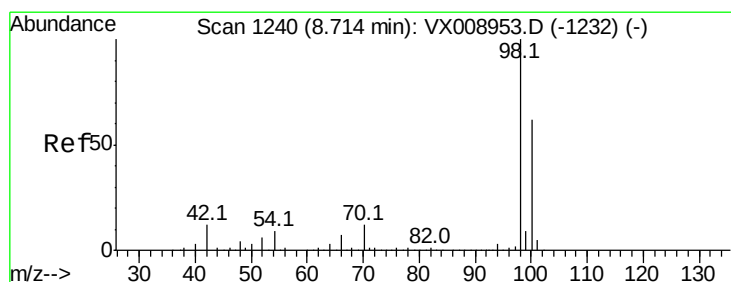
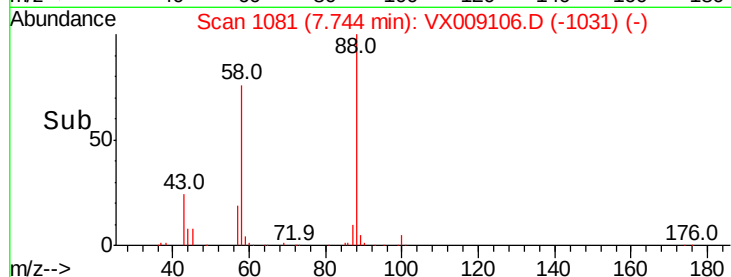
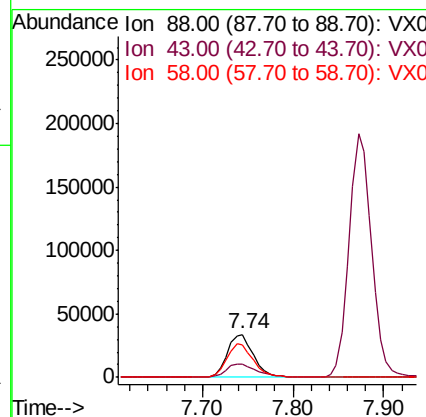
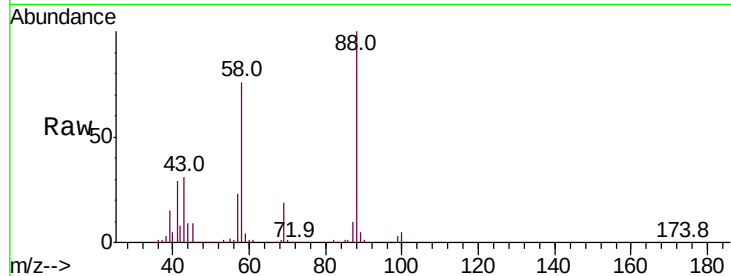
#49
1,4-Dioxane
Concen: 1075.864 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.3	43.9
58	79.7	62.6	93.8

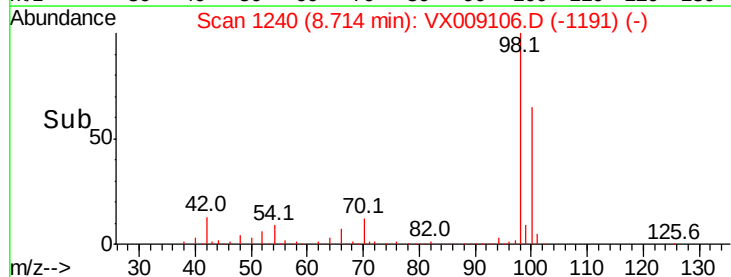
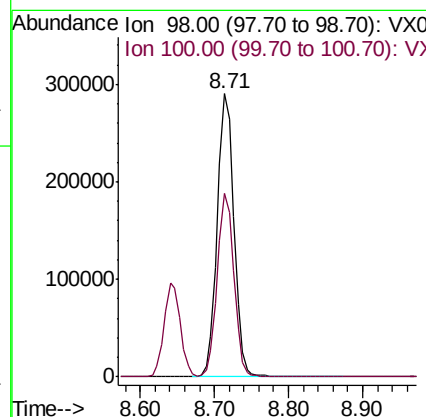
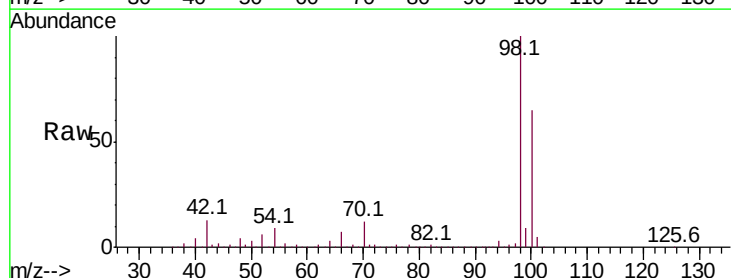
Manual Integrations
APPROVED

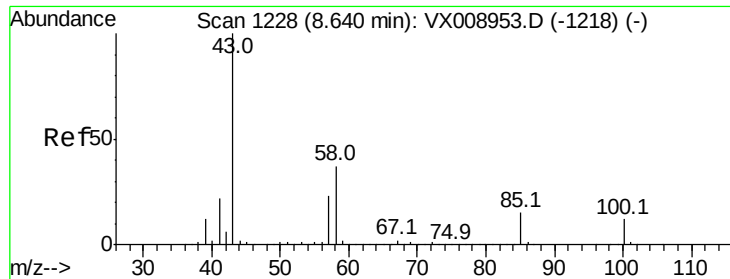
MMDadoda
4/23/2019 10:30:57 AM



#50
Toluene-d8
Concen: 54.714 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.2





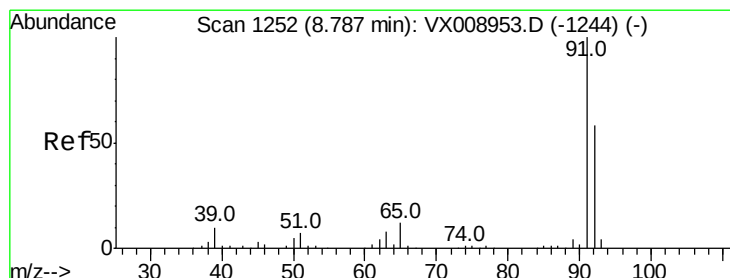
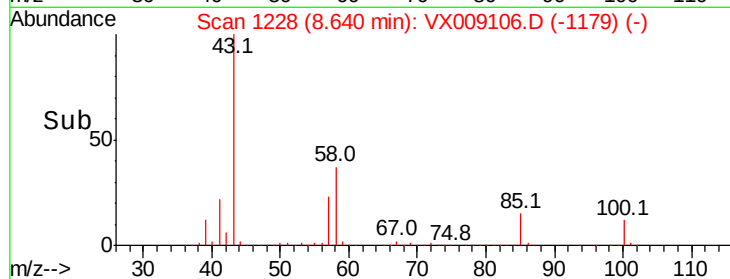
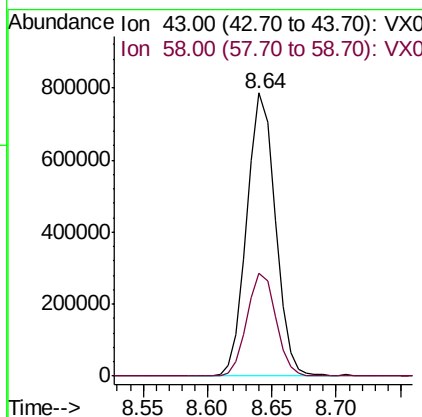
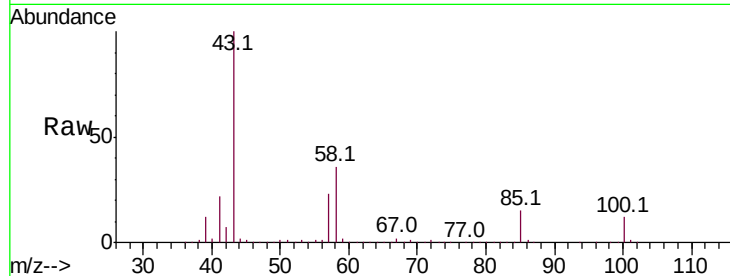
#51
4-Methyl-2-Pentanone
Concen: 276.382 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1205518
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.6

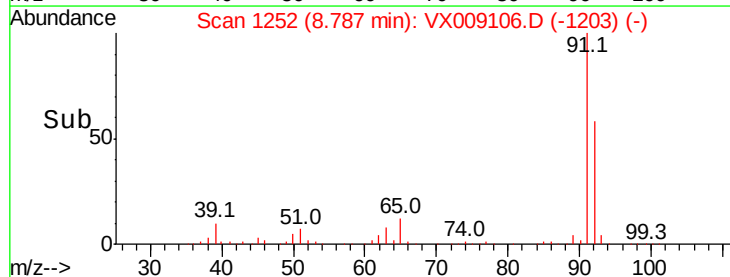
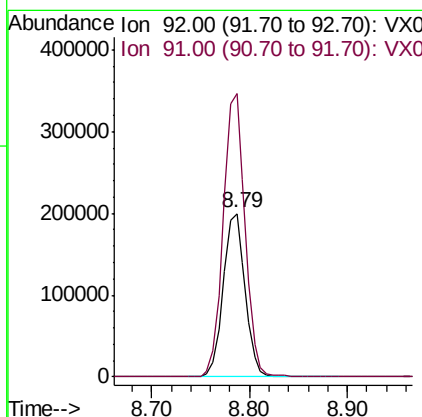
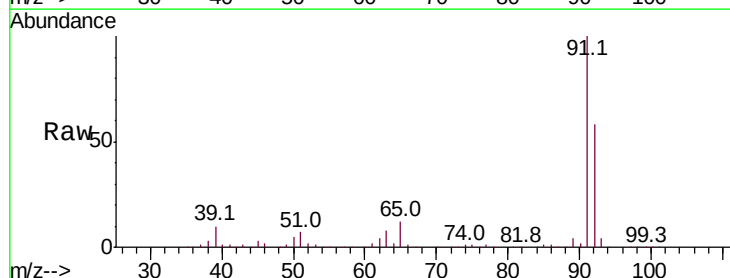
Manual Integrations
APPROVED

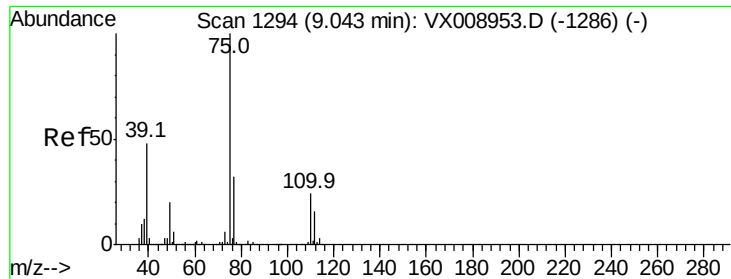
MMDadoda
4/23/2019 10:30:57 AM



#52
Toluene
Concen: 53.267 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion: 92 Resp: 310946
Ion Ratio Lower Upper
92 100
91 172.8 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 54.662 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 194039

Ion Ratio Lower Upper

75 100

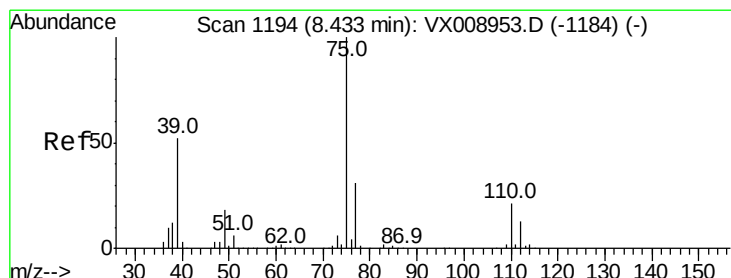
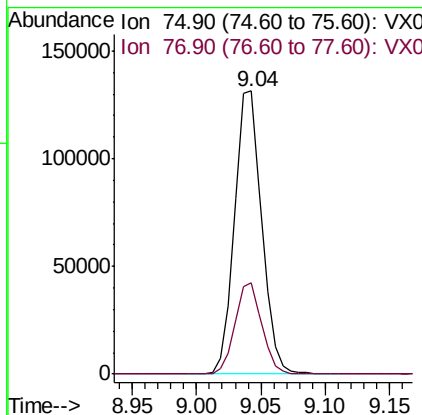
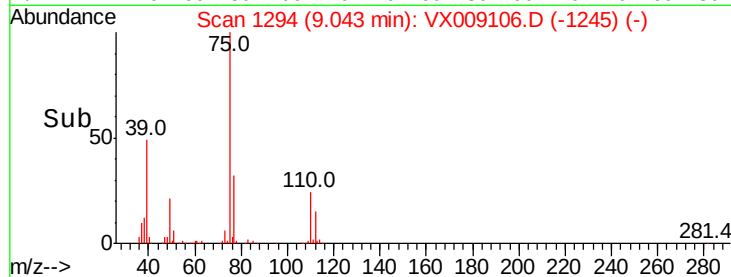
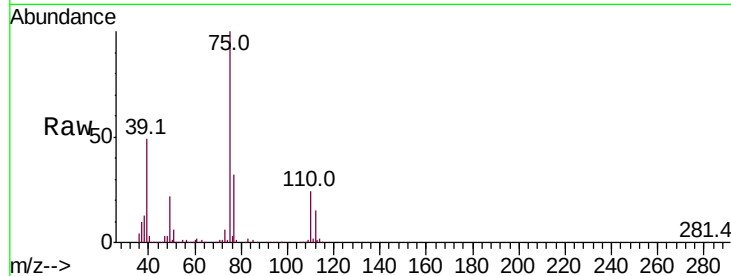
77 32.1 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#54

cis-1,3-Dichloropropene

Concen: 54.057 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

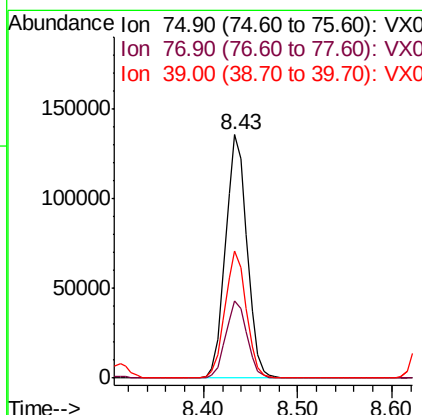
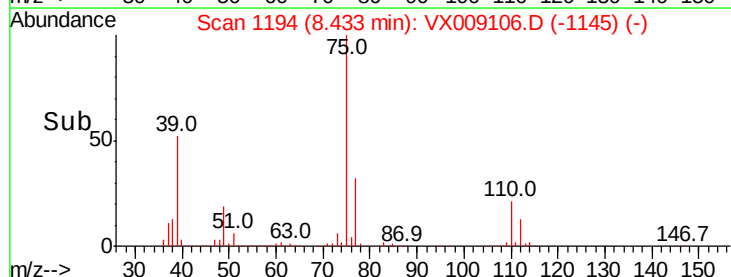
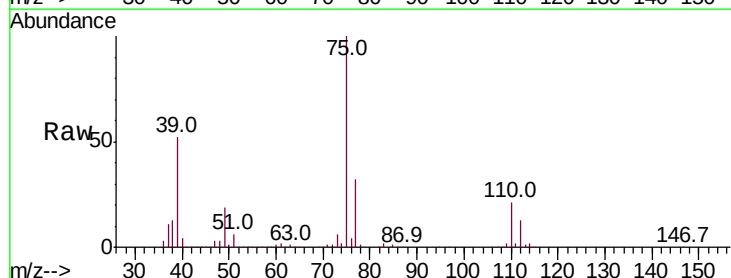
Tgt Ion: 75 Resp: 214867

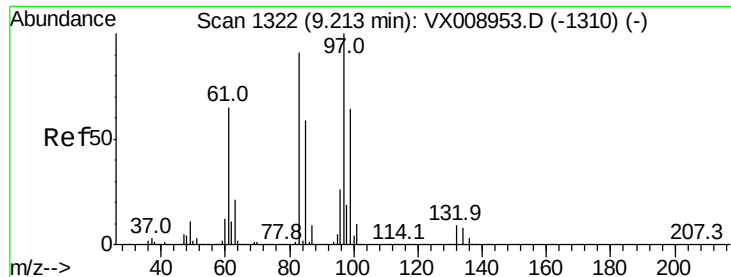
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 51.9 41.8 62.6





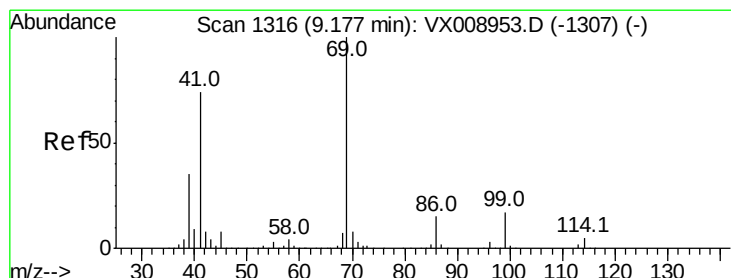
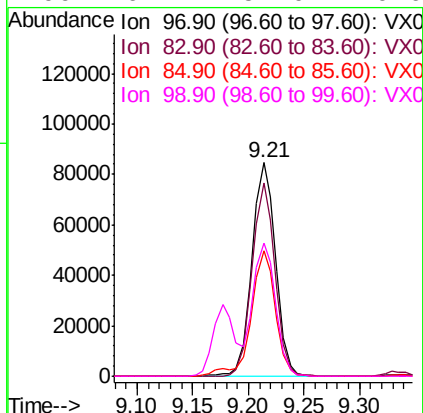
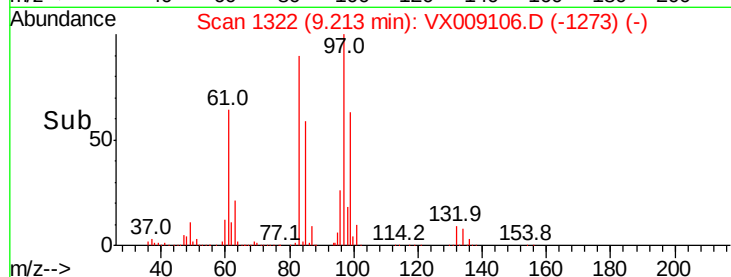
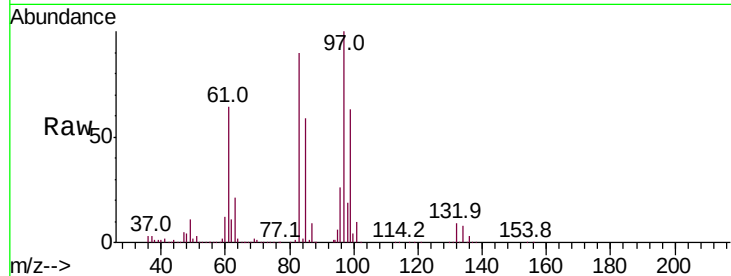
#55
 1,1,2-Trichloroethane
 Concen: 54.095 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125153		
83	90.2	72.6	108.8		
85	58.5	46.9	70.3		
99	62.4	51.0	76.6		

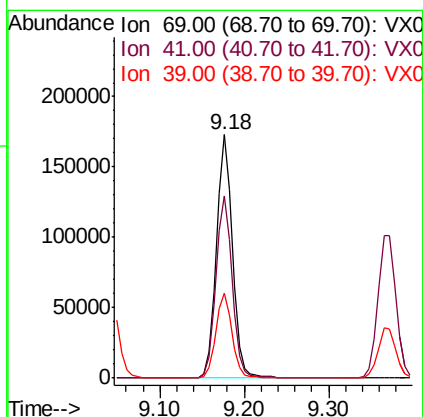
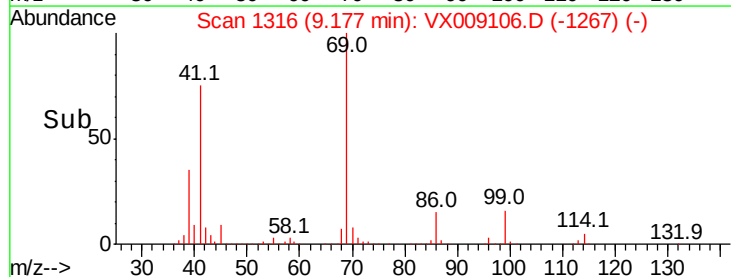
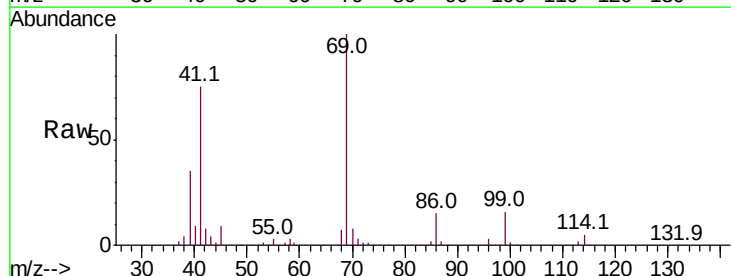
Manual Integrations
 APPROVED

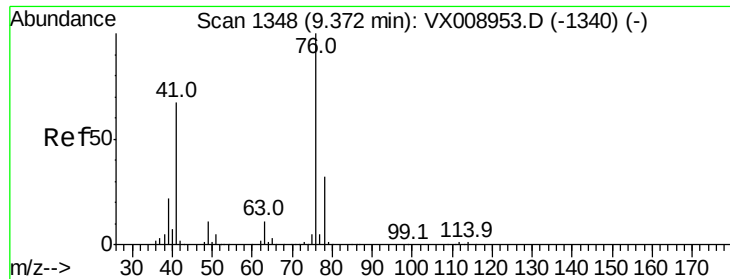
MMDadoda
 4/23/2019 10:30:57 AM



#56
 Ethyl methacrylate
 Concen: 55.223 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		229091		
41	76.3	60.2	90.2		
39	35.4	27.9	41.9		





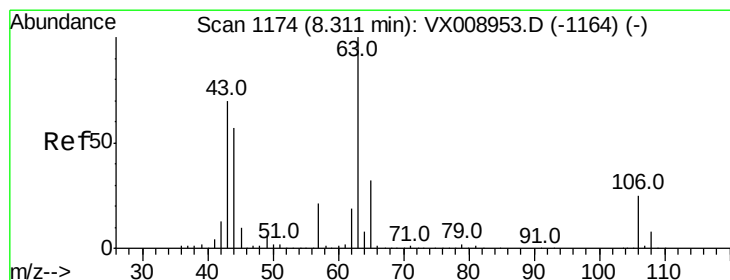
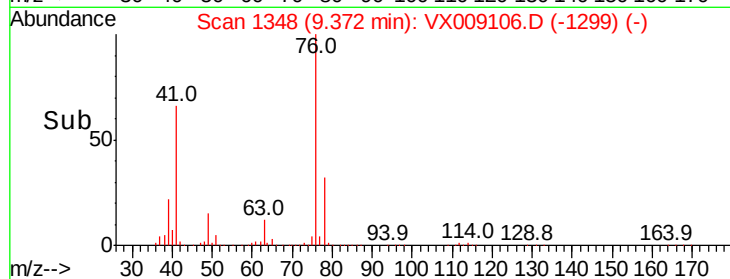
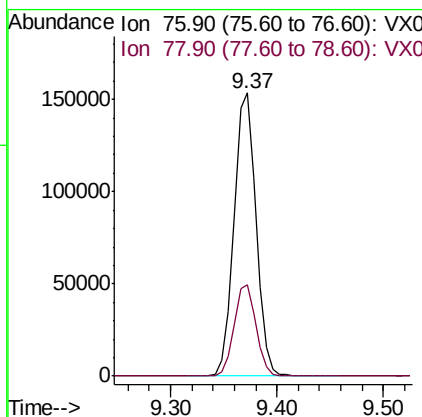
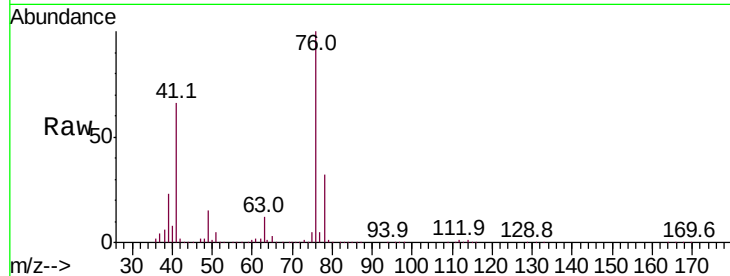
#57
 1,3-Dichloropropane
 Concen: 54.344 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

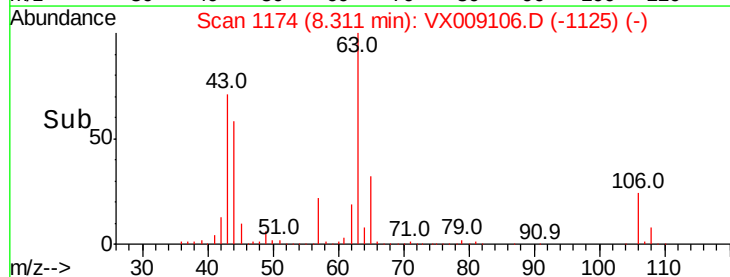
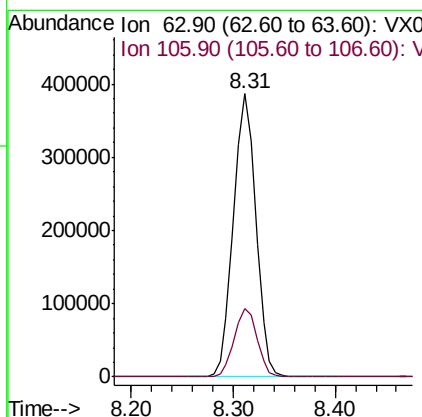
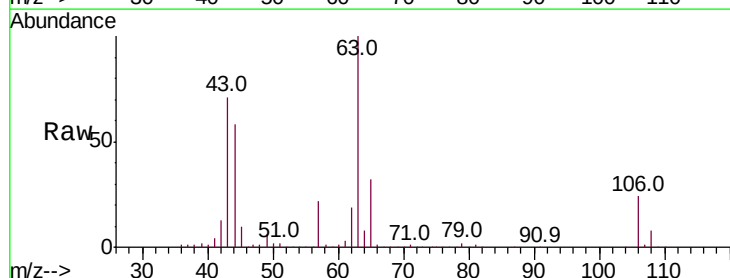
Manual Integrations
 APPROVED

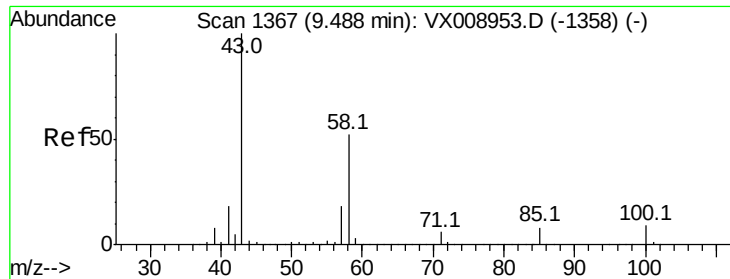
MMDadoda
 4/23/2019 10:30:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.886 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.8	29.6





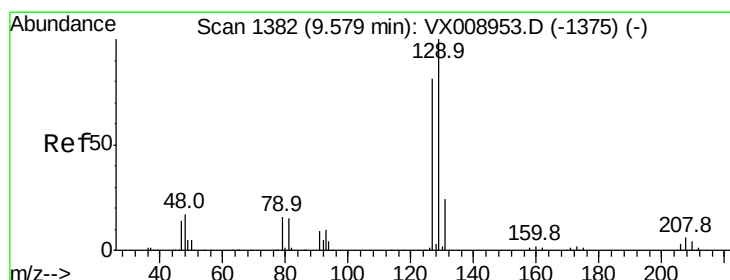
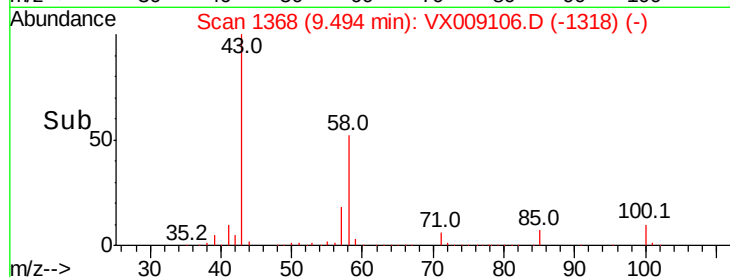
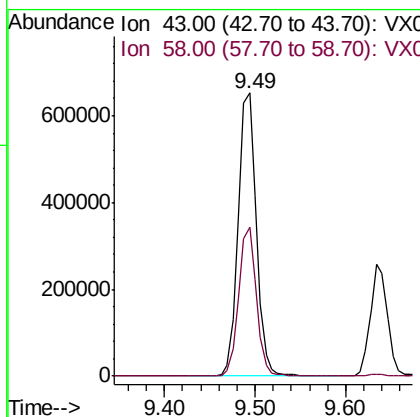
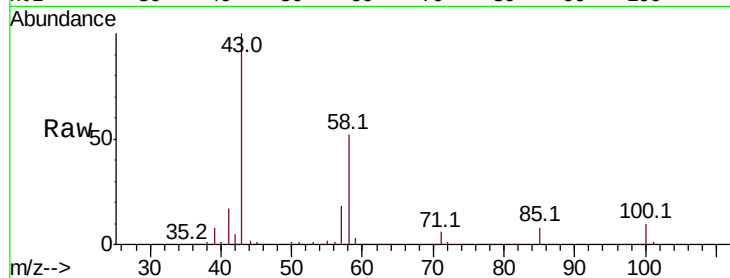
#59
2-Hexanone
Concen: 270.100 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 908303
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8

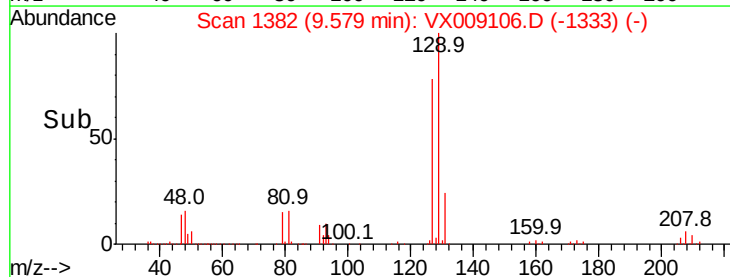
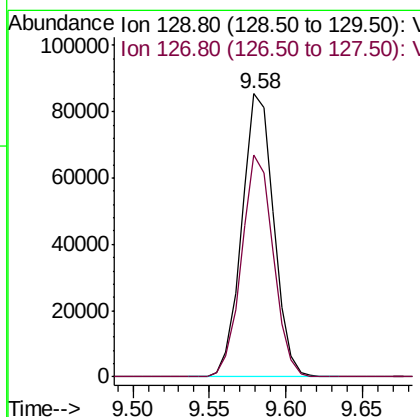
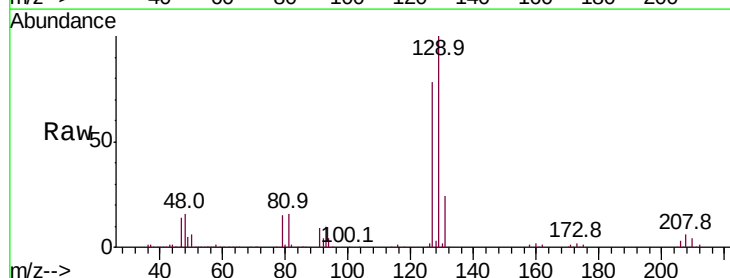
Manual Integrations
APPROVED

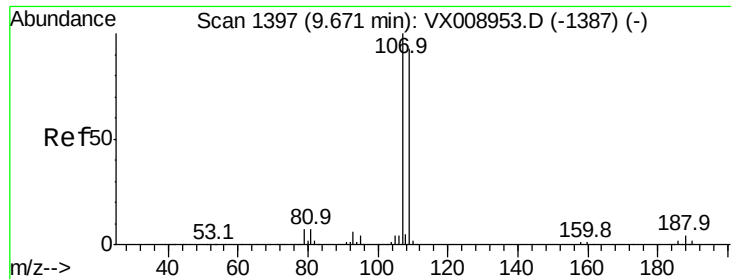
MMDadoda
4/23/2019 10:30:57 AM



#60
Dibromochloromethane
Concen: 55.783 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion: 129 Resp: 123692
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 54.054 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 129071

Ion Ratio Lower Upper

107 100

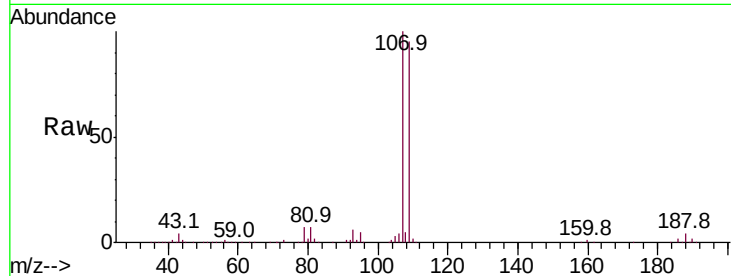
109 93.7 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

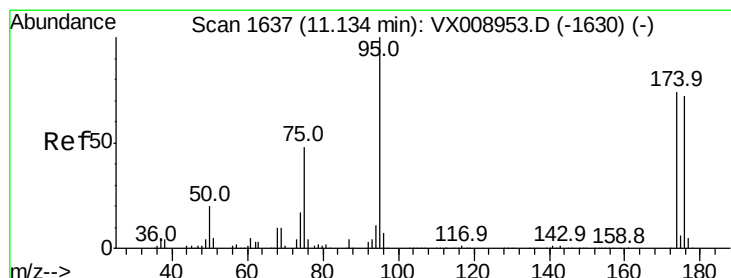
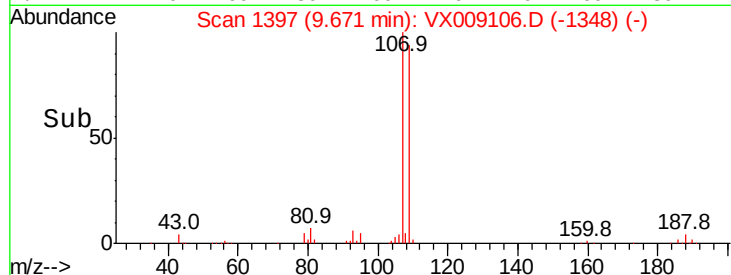
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.328 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

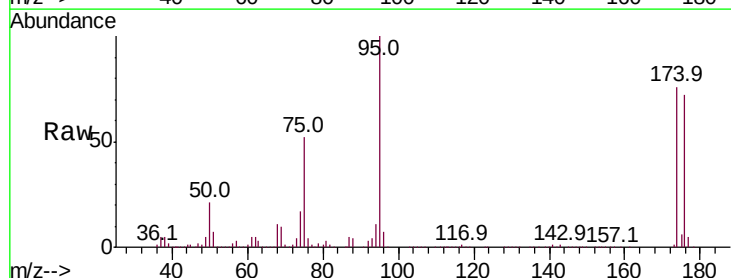
Tgt Ion: 95 Resp: 156701

Ion Ratio Lower Upper

95 100

174 81.0 0.0 159.6

176 78.4 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

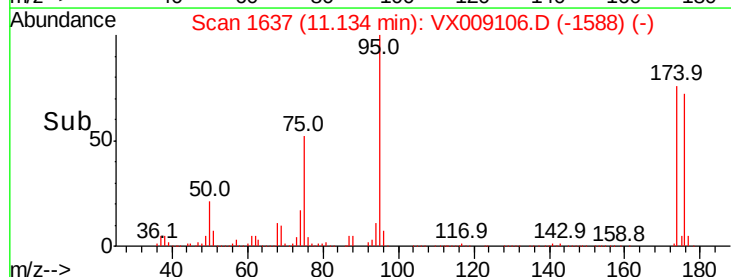
150000

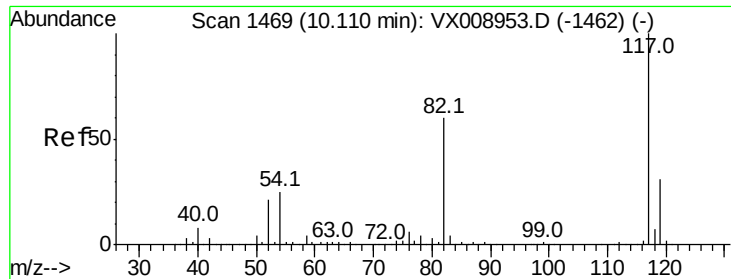
100000

50000

0

Time-->





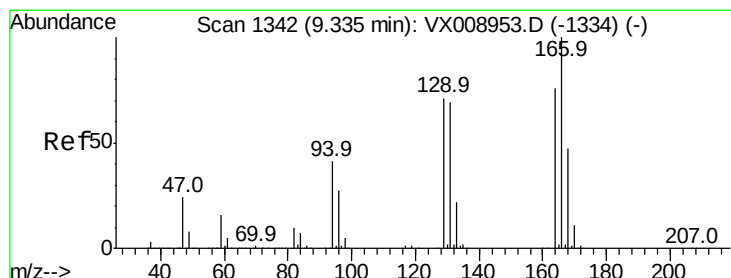
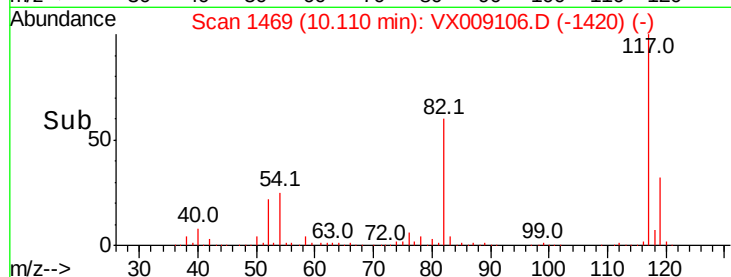
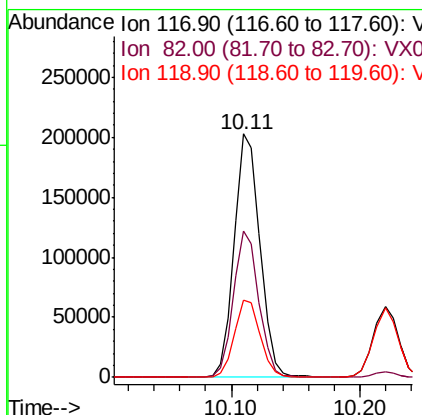
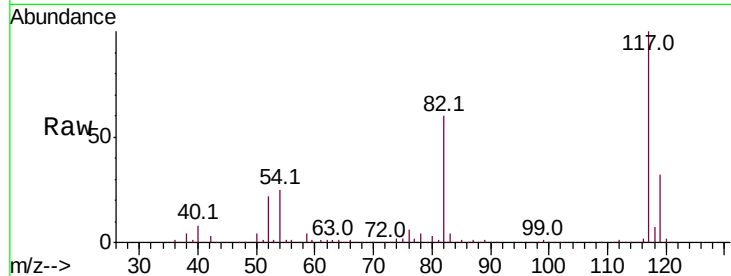
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.2	72.4
119	31.7	25.0	37.6

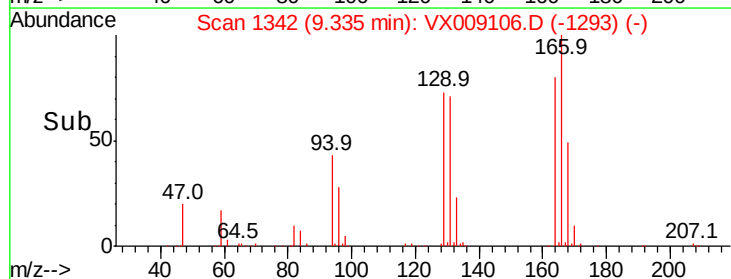
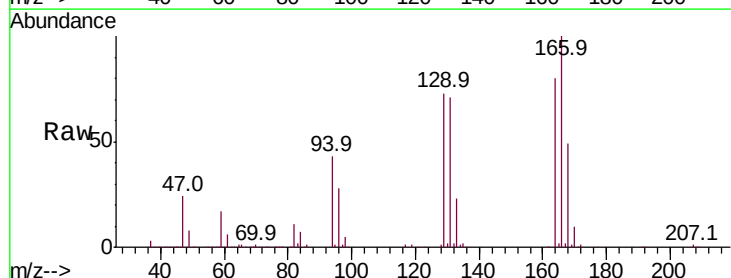
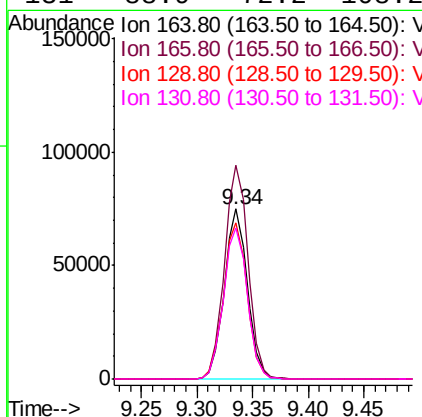
Manual Integrations
APPROVED

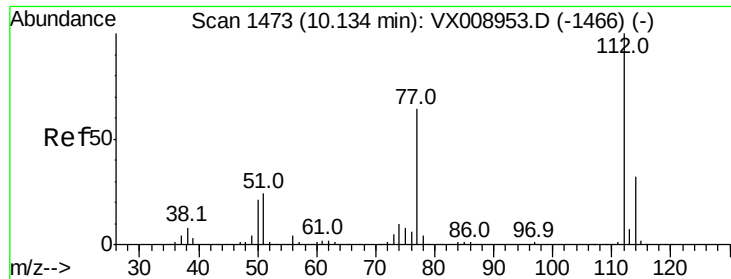
MMDadoda
4/23/2019 10:30:57 AM



#64
Tetrachloroethene
Concen: 50.035 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	105.0	157.4
129	91.8	74.2	111.4
131	88.9	72.2	108.2





#65

Chlorobenzene

Concen: 52.411 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 313082

Ion Ratio Lower Upper

112 100

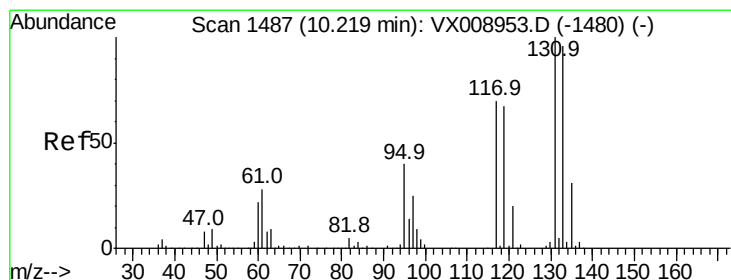
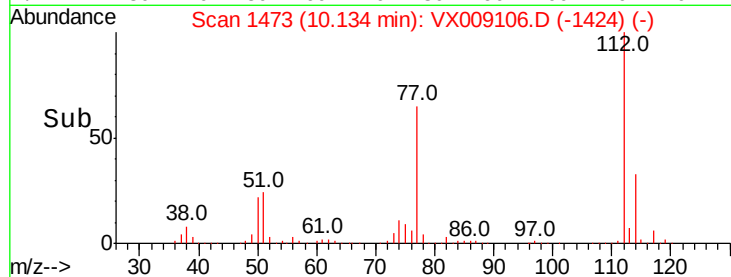
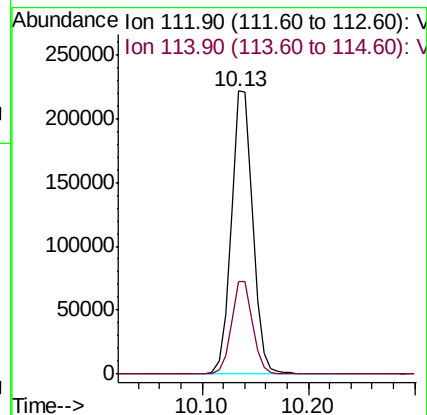
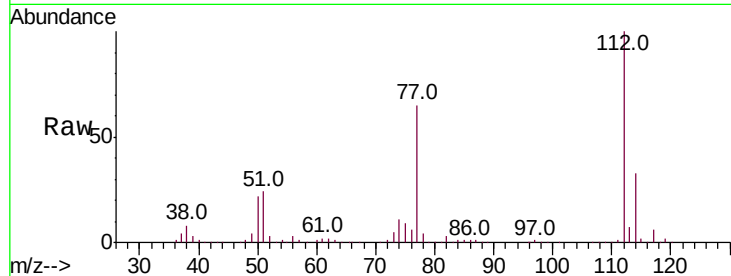
114 32.8 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 54.121 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

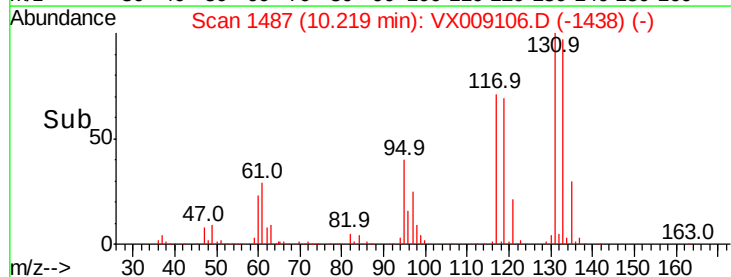
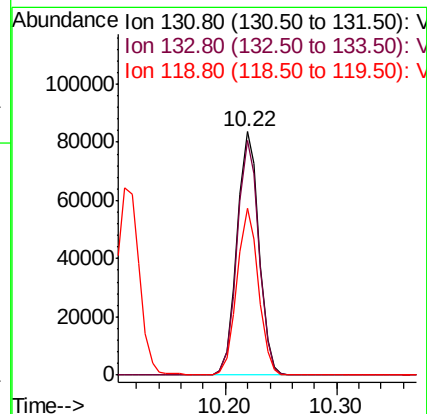
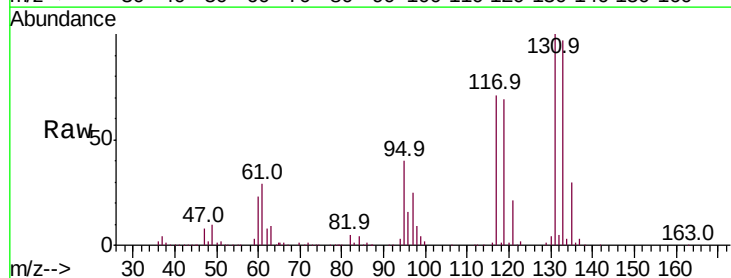
Tgt Ion:131 Resp: 113892

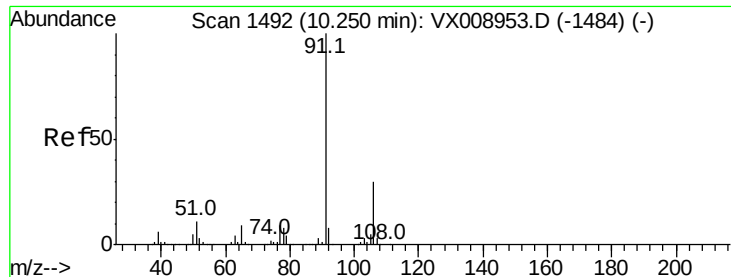
Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

119 67.2 33.7 101.1





#67

Ethyl Benzene

Concen: 53.489 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 584090

Ion Ratio Lower Upper

91 100

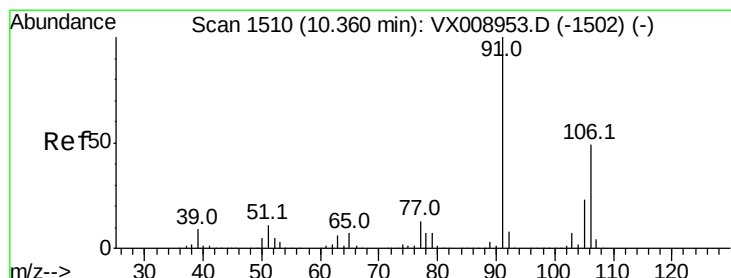
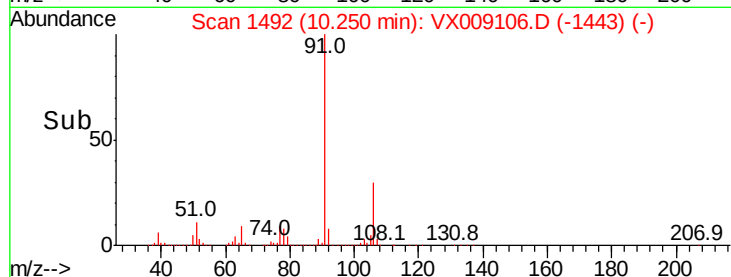
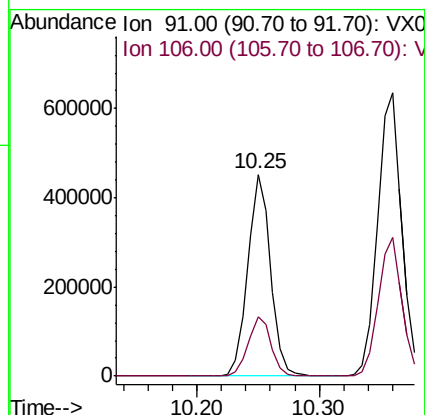
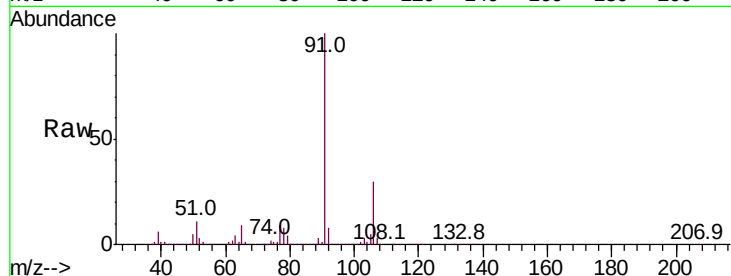
106 29.5 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#68

m/p-Xylenes

Concen: 105.930 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009106.D

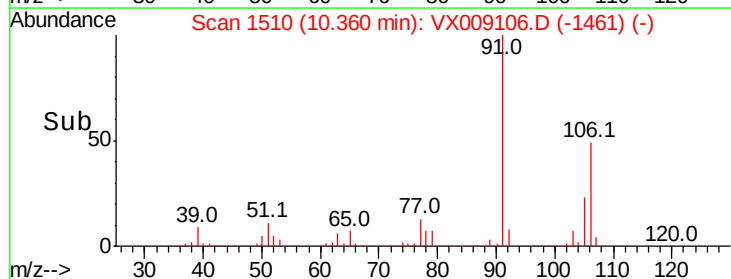
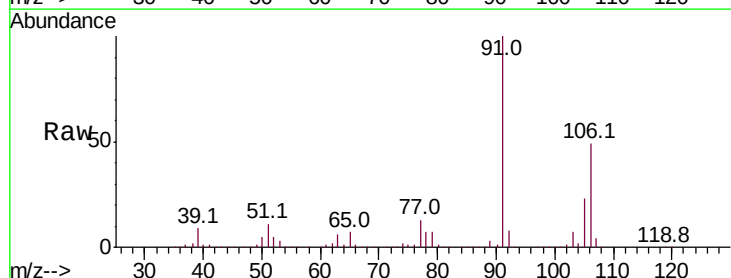
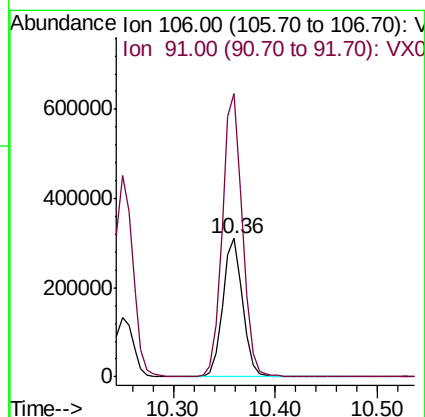
Acq: 22 Apr 2019 18:42

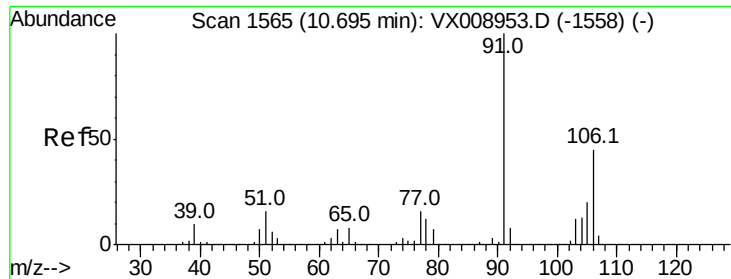
Tgt Ion: 106 Resp: 420390

Ion Ratio Lower Upper

106 100

91 207.3 165.4 248.2





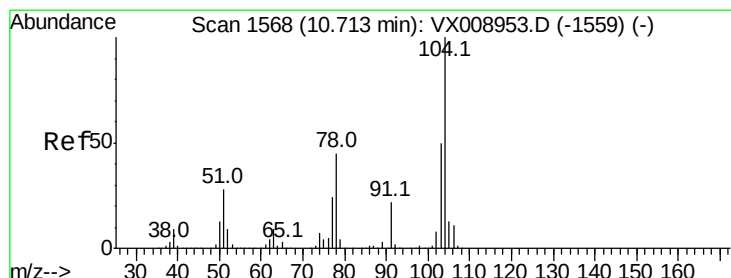
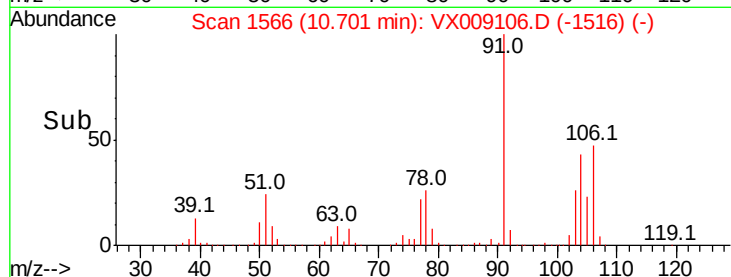
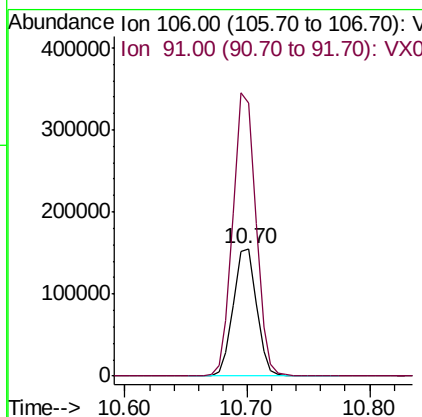
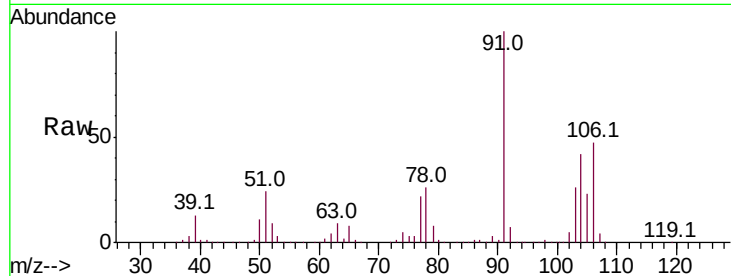
#69
o-Xylene
Concen: 53.131 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 205166
Ion Ratio Lower Upper
106 100
91 219.1 108.9 326.7

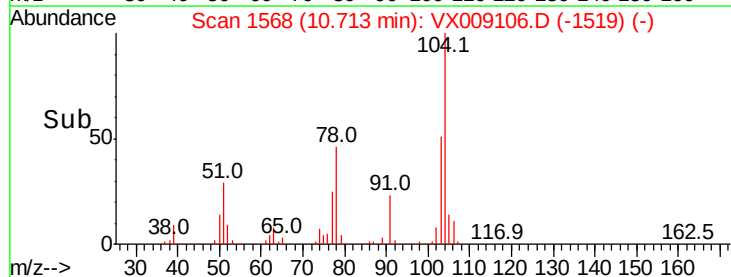
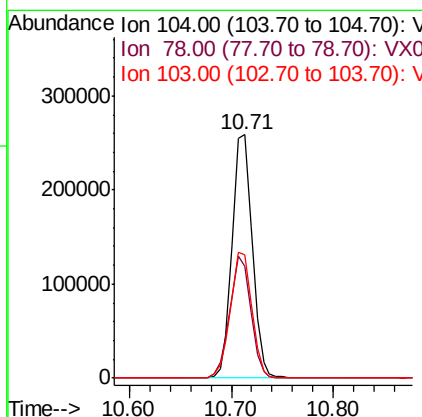
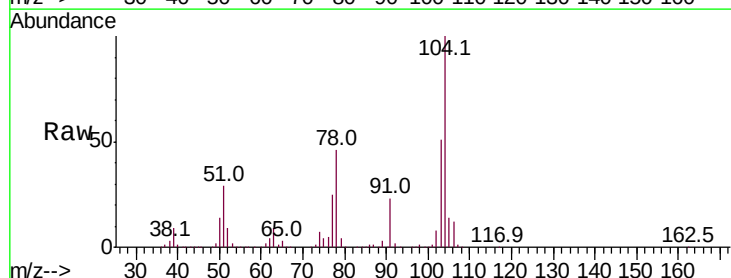
Manual Integrations
APPROVED

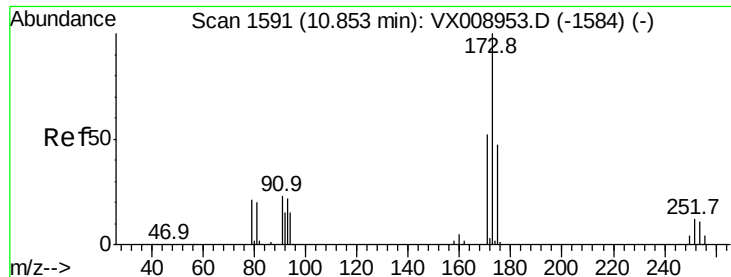
MMDadoda
4/23/2019 10:30:57 AM



#70
Styrene
Concen: 52.682 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion:104 Resp: 352529
Ion Ratio Lower Upper
104 100
78 52.7 41.2 61.8
103 55.3 43.9 65.9





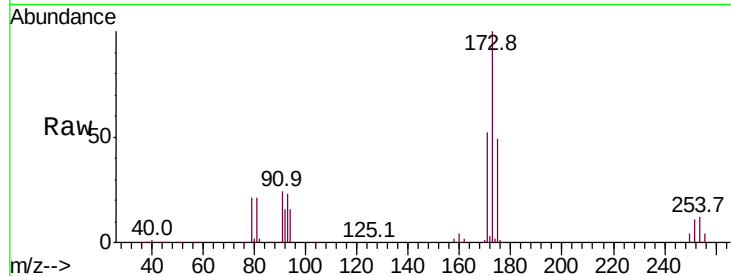
#71
Bromoform
Concen: 53.617 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

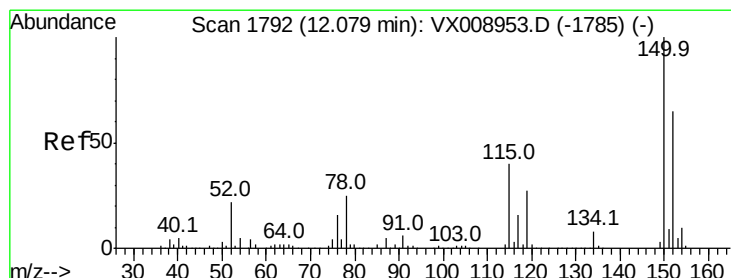
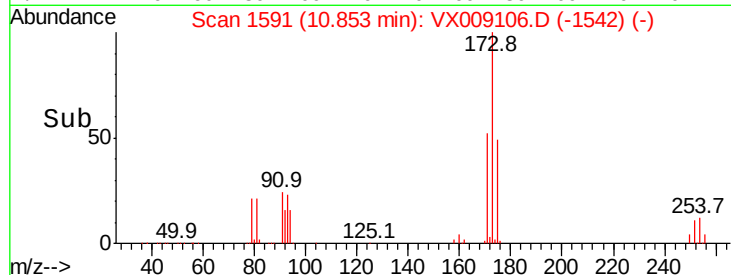
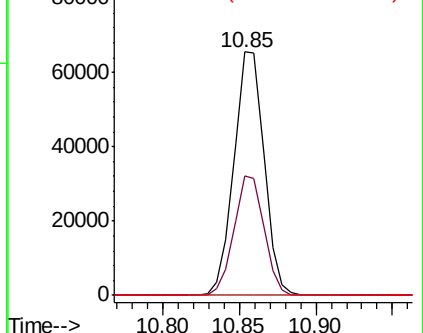
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.9	71.8
254	0.0	0.2	0.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM

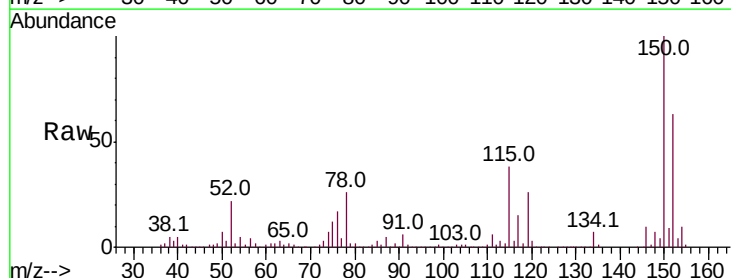


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

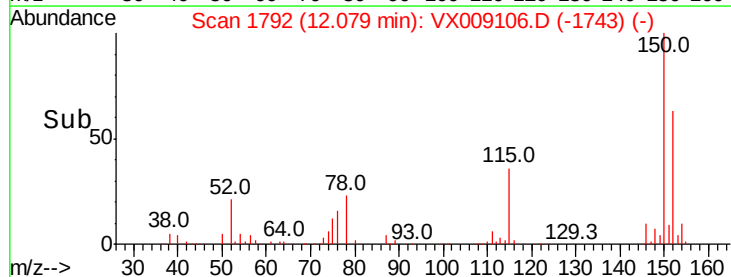
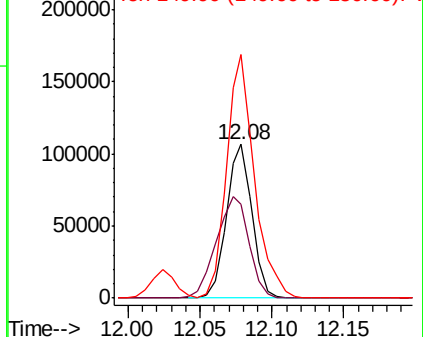


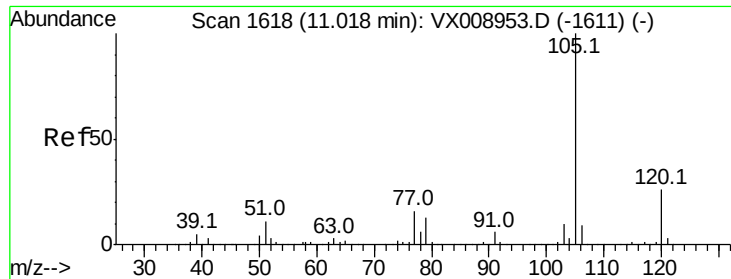
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.6	41.4	124.2
150	173.4	0.0	349.8



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





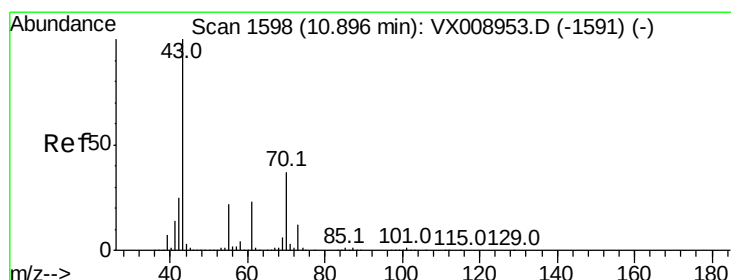
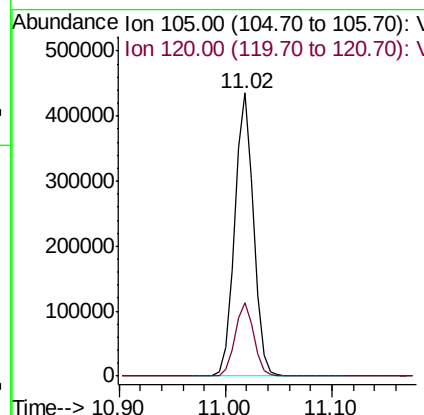
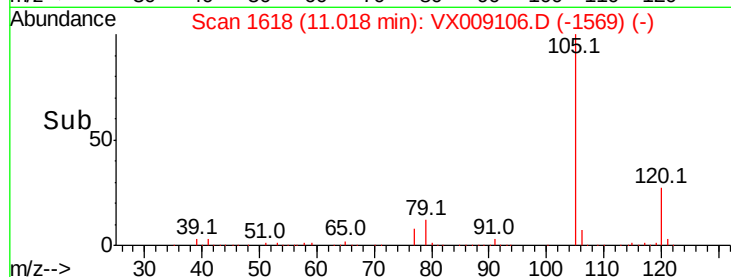
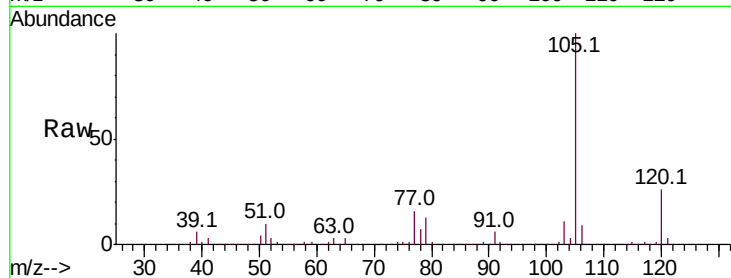
#73
Isopropylbenzene
Concen: 53.882 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 539148
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.7

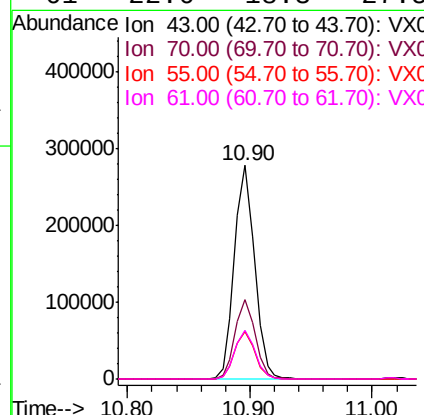
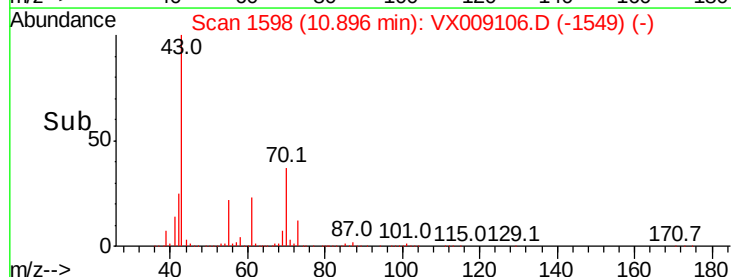
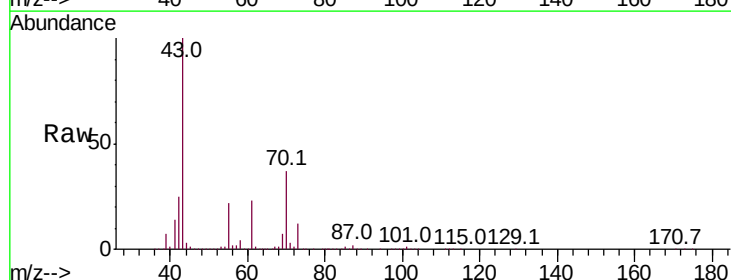
Manual Integrations
APPROVED

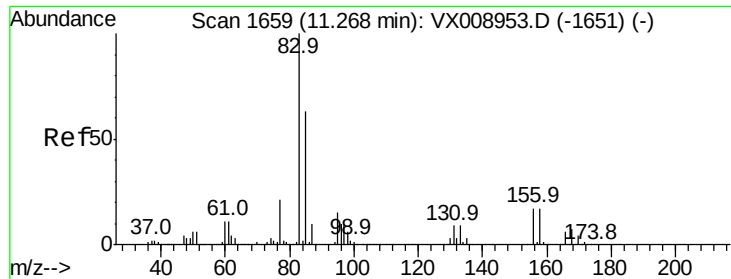
MMDadoda
4/23/2019 10:30:57 AM



#74
N-ethyl acetate
Concen: 55.201 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion: 43 Resp: 317144
Ion Ratio Lower Upper
43 100
70 37.0 29.9 44.9
55 22.6 17.8 26.8
61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.052 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

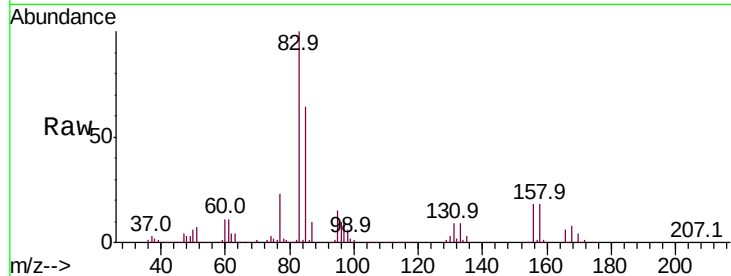
ClientSampleId :

VSTDCCC050EC

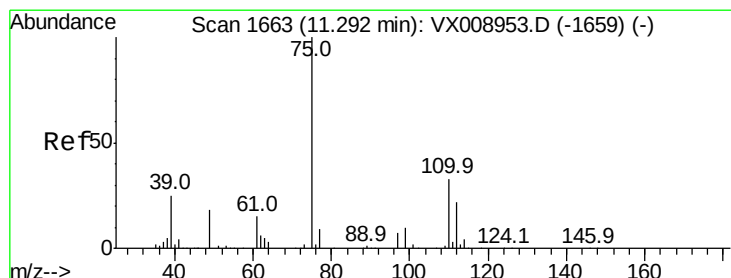
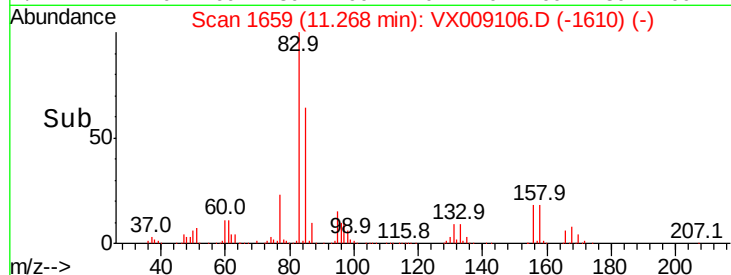
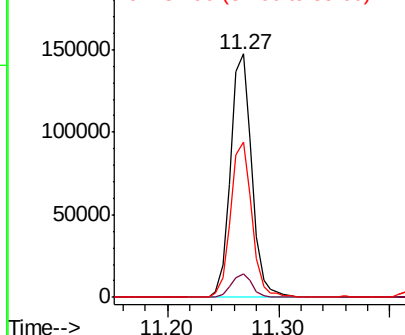
Tot Ion:	83	Resp:	193960
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	63.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



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



#76

1,2,3-Trichloropropane

Concen: 52.564 ug/l m

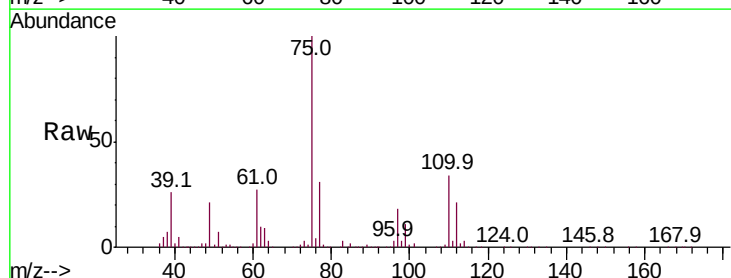
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

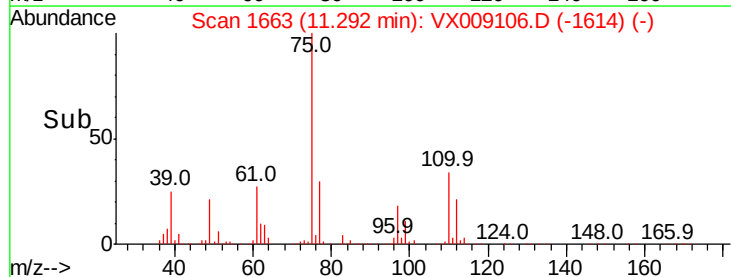
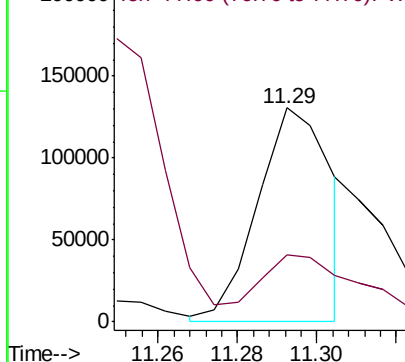
Lab File: VX009106.D

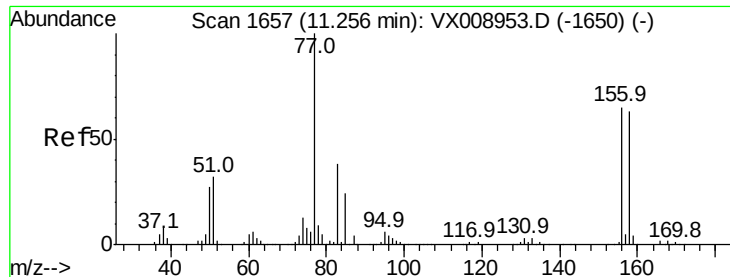
Acq: 22 Apr 2019 18:42

Tgt Ion:	75	Resp:	169435
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.7	68.0



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





#77

Bromobenzene

Concen: 51.815 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 130813

Ion Ratio Lower Upper

156 100

77 174.4 85.4 256.1

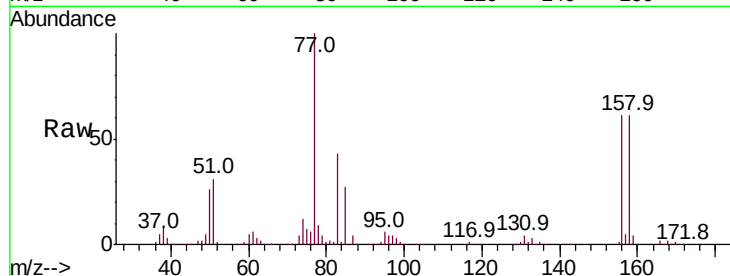
158 98.0 48.8 146.4

Manual Integrations

APPROVED

MMDadoda

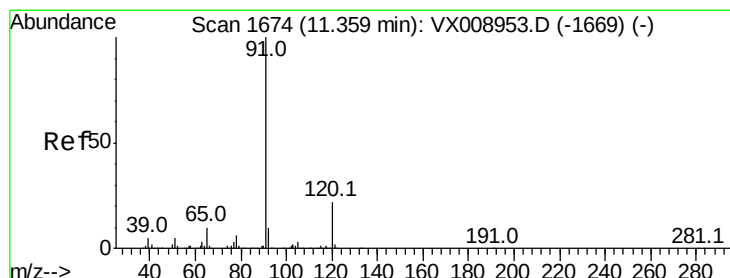
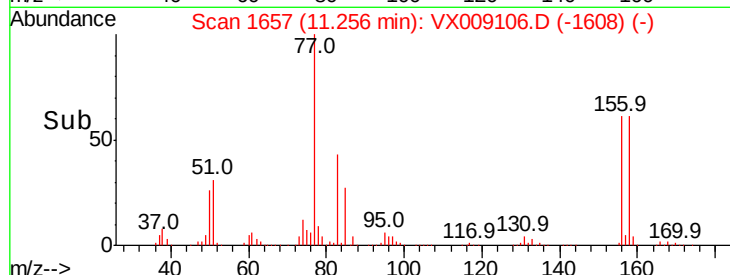
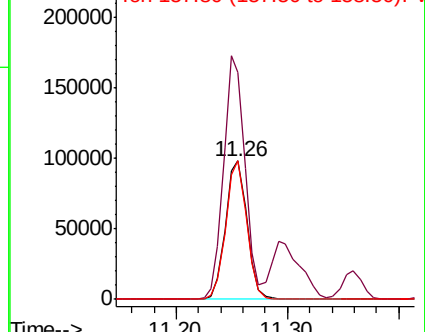
4/23/2019 10:30:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.187 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009106.D

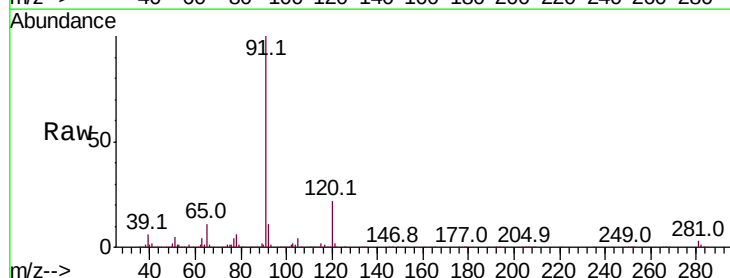
Acq: 22 Apr 2019 18:42

Tgt Ion: 91 Resp: 622326

Ion Ratio Lower Upper

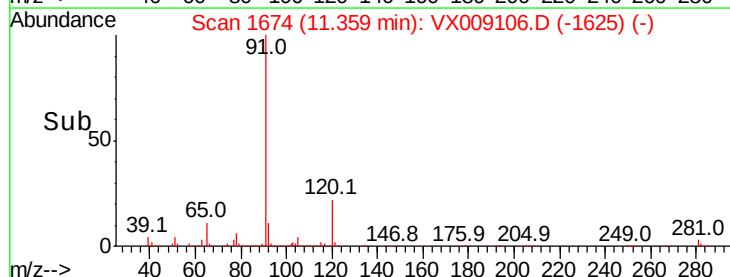
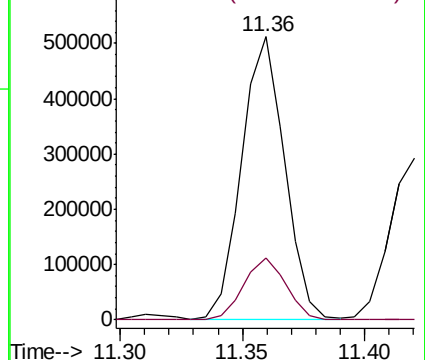
91 100

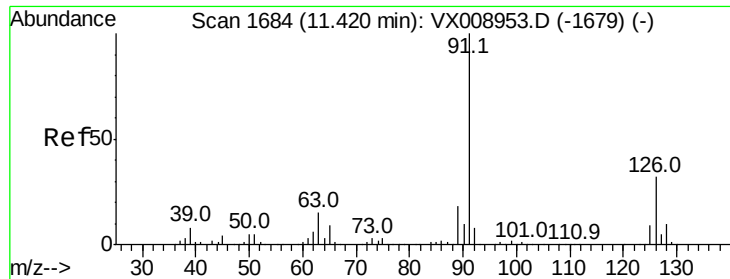
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.877 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 365947

Ion Ratio Lower Upper

91 100

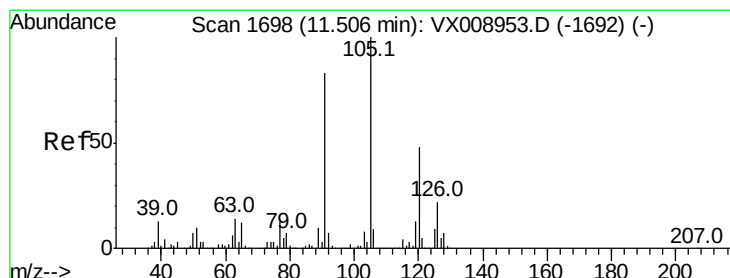
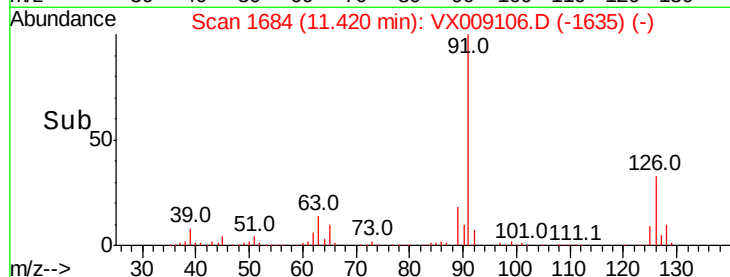
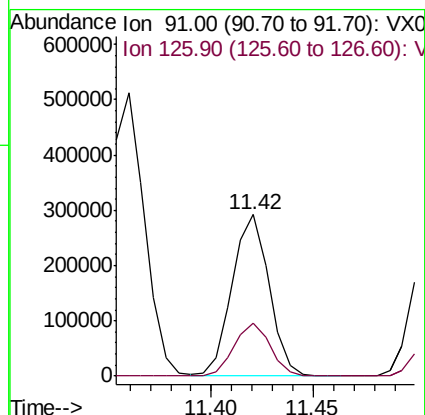
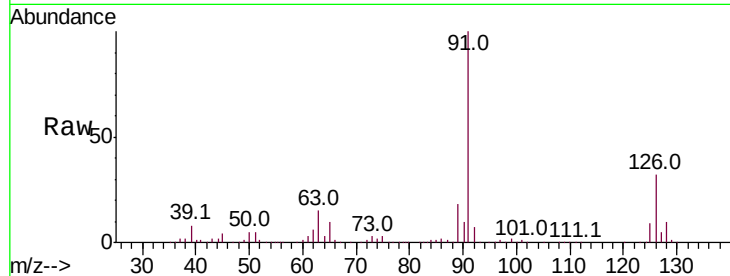
126 32.4 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#80

1,3,5-Trimethylbenzene

Concen: 54.461 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009106.D

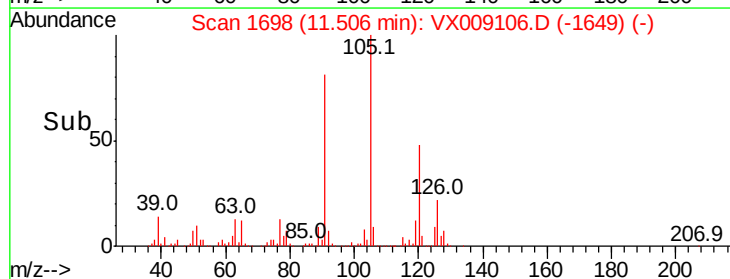
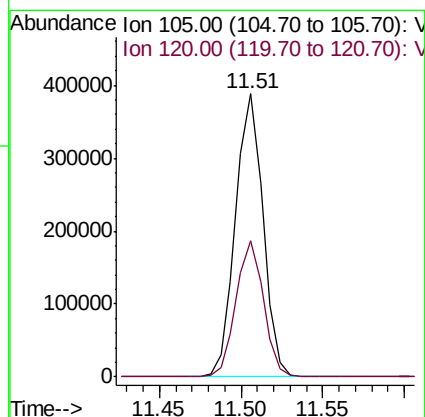
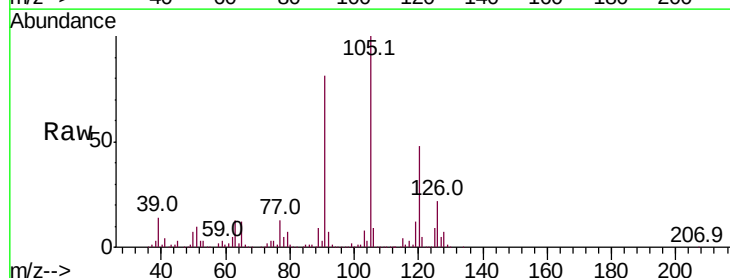
Acq: 22 Apr 2019 18:42

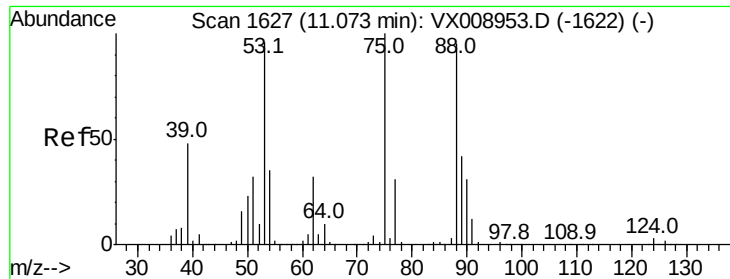
Tgt Ion: 105 Resp: 457291

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3





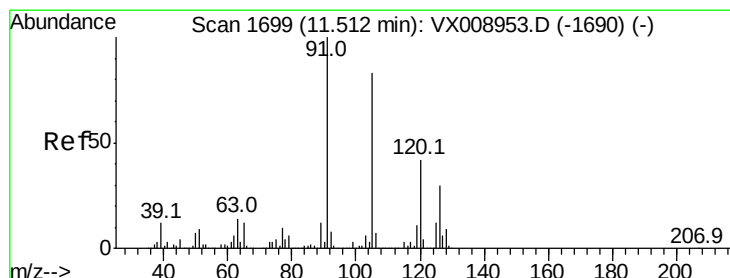
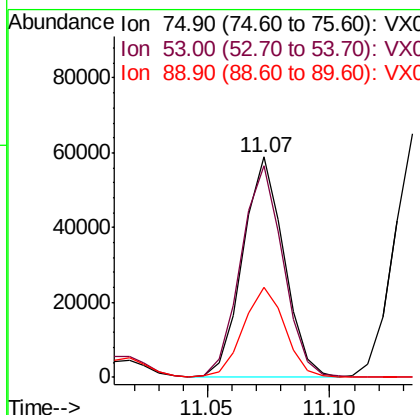
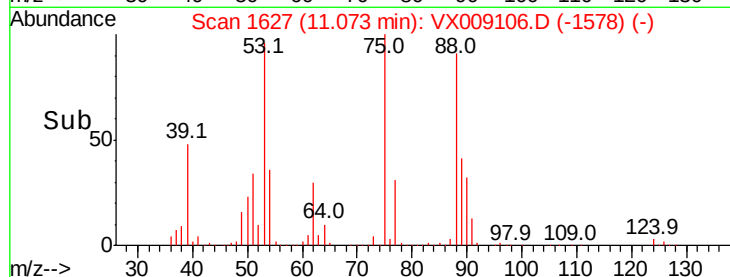
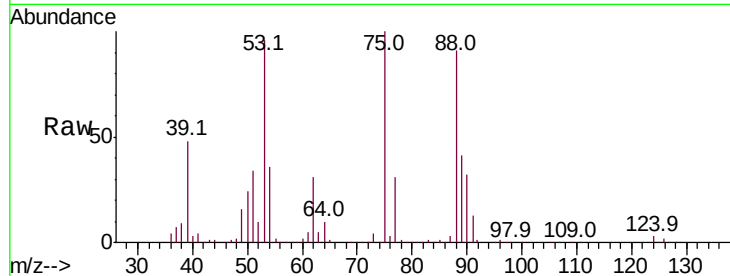
#81
trans-1,4-Dichloro-2-butene
Concen: 54.604 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	78.2	117.4
89	41.9	36.0	54.0

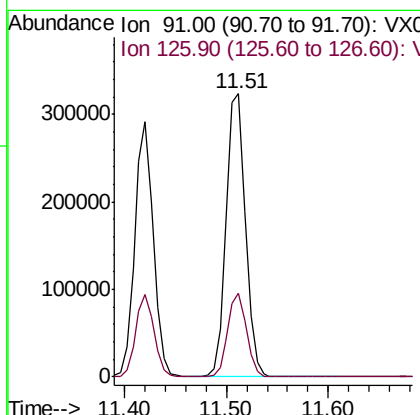
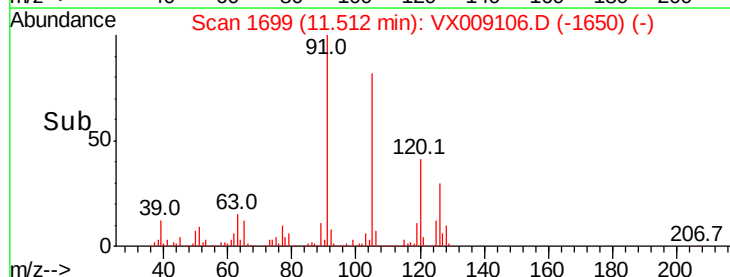
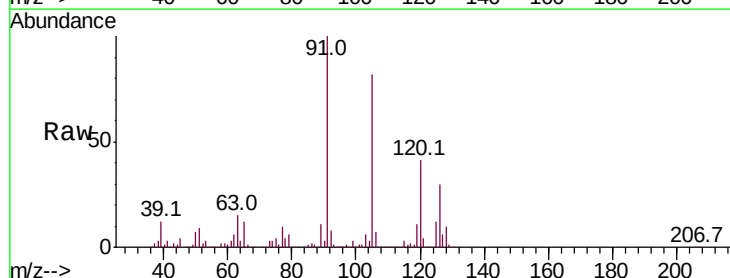
Manual Integrations
APPROVED

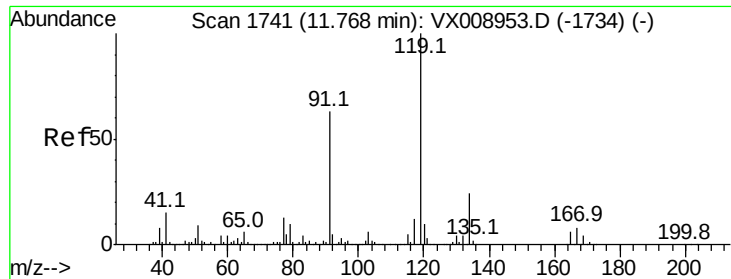
MMDadoda
4/23/2019 10:30:57 AM



#82
4-Chlorotoluene
Concen: 52.571 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9





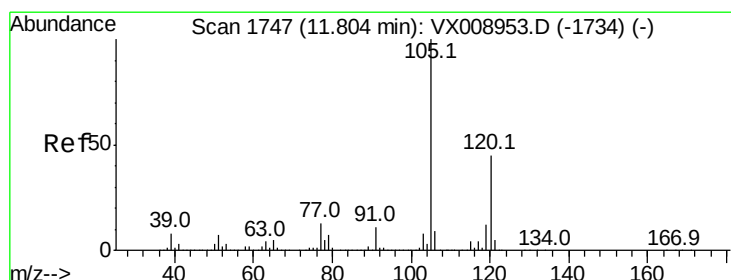
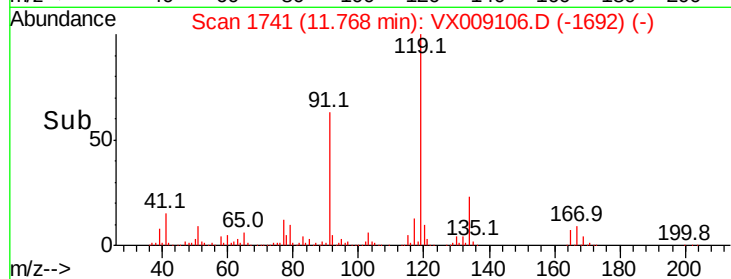
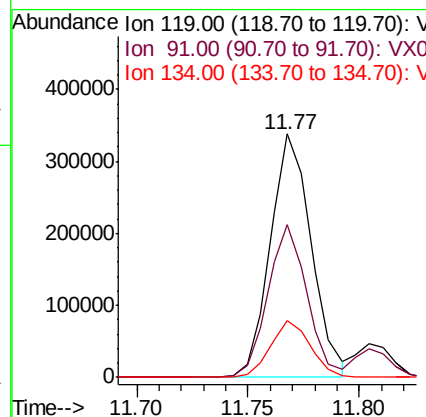
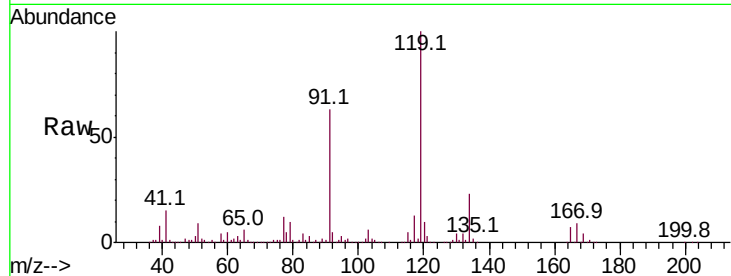
#83
tert-Butylbenzene
Concen: 53.759 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	433380		
91	59.7	29.7	89.1	
134	22.5	11.2	33.5	

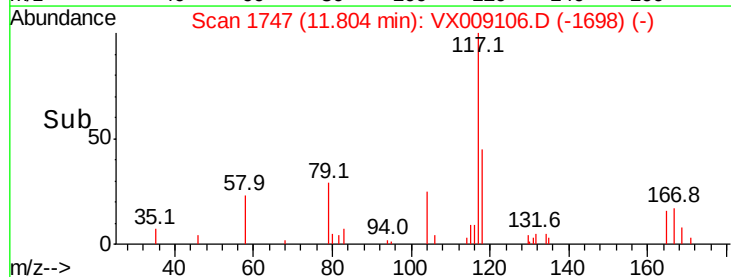
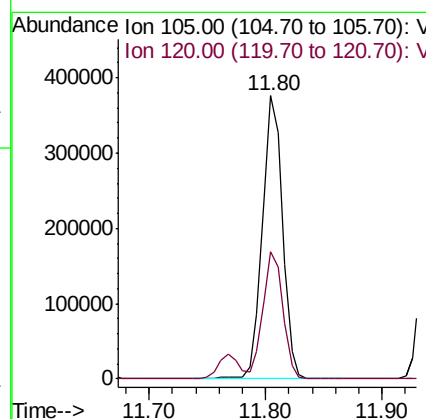
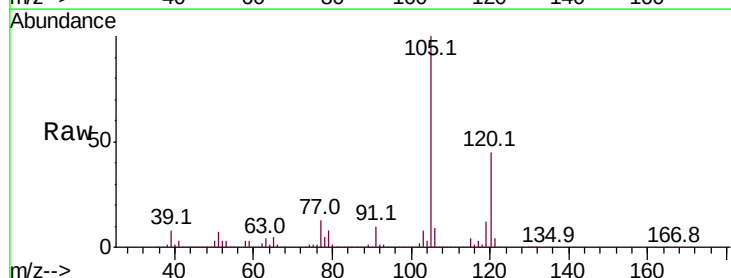
Manual Integrations
APPROVED

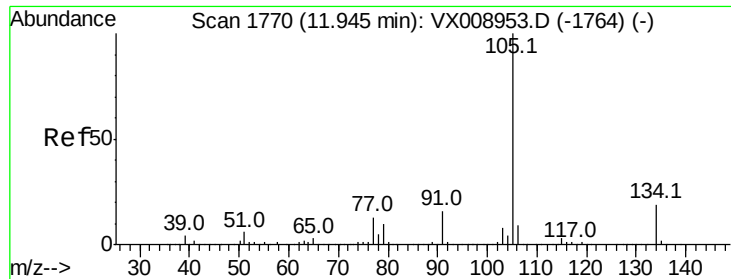
MMDadoda
4/23/2019 10:30:57 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.562 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	457808		
120	44.2	21.9	65.8	





#85

sec-Butylbenzene

Concen: 53.586 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 515217

Ion Ratio Lower Upper

105 100

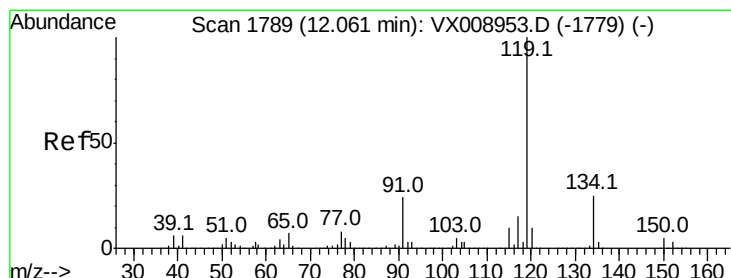
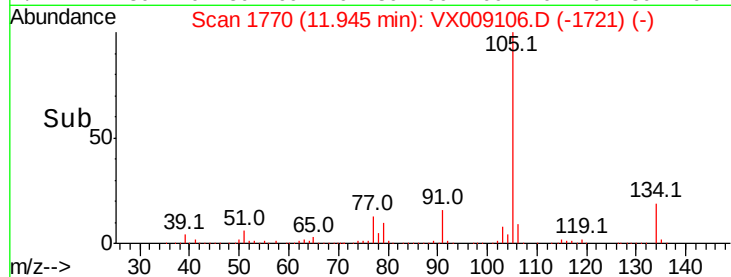
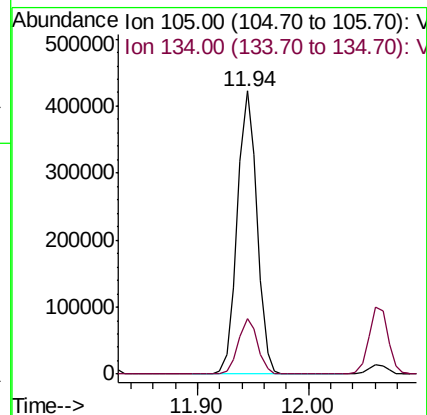
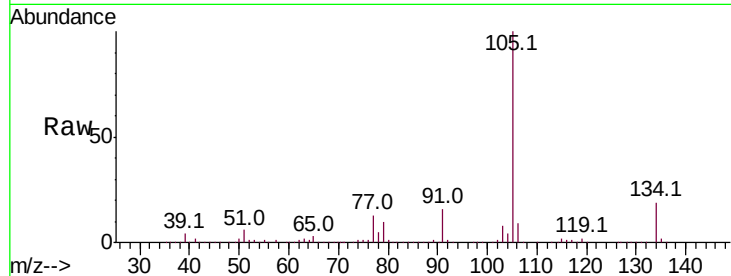
134 19.4 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:57 AM



#86

p-Isopropyltoluene

Concen: 53.438 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

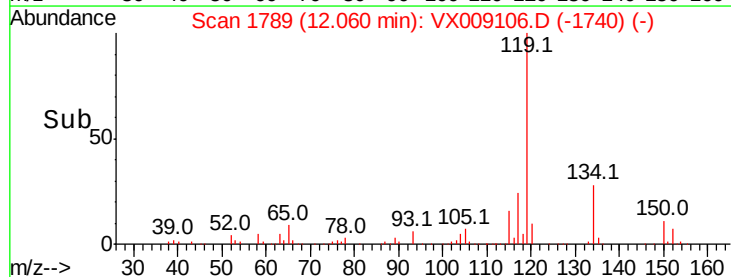
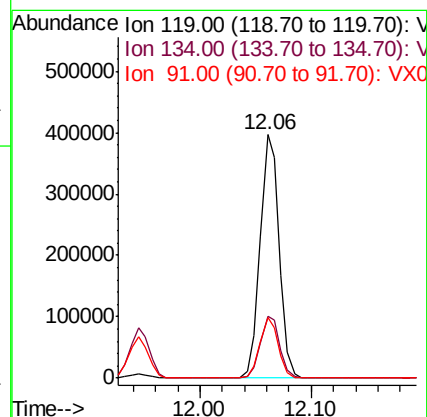
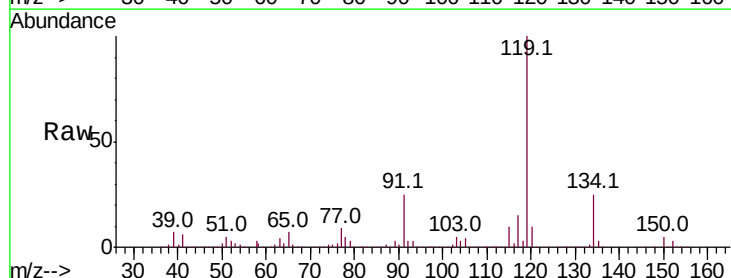
Tgt Ion:119 Resp: 472372

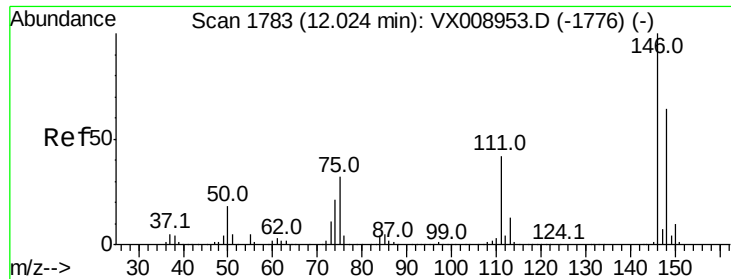
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.9 11.9 35.5





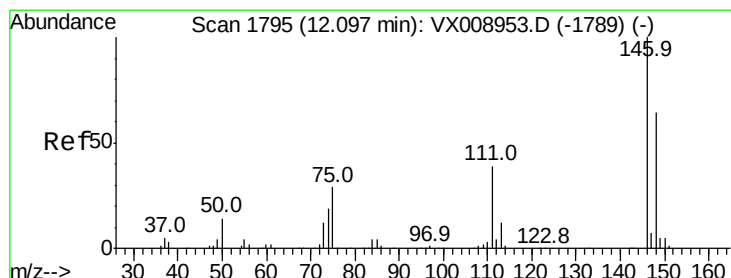
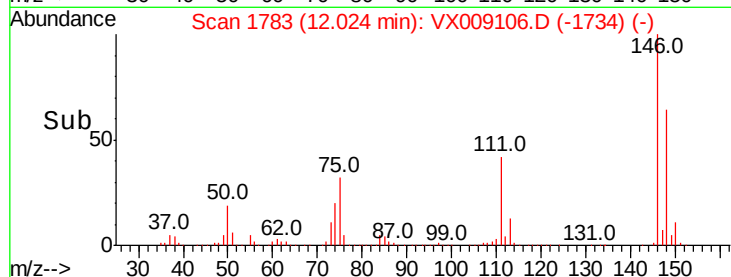
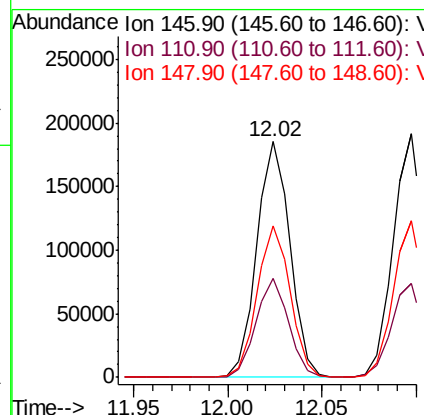
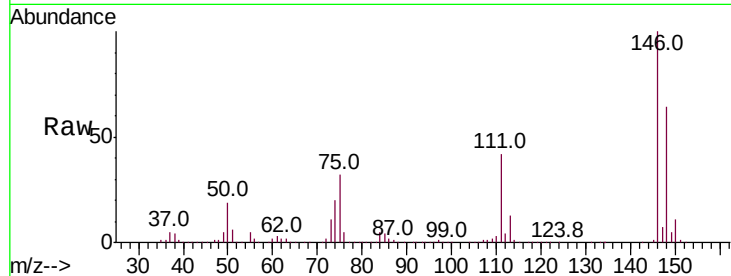
#87
 1,3-Dichlorobenzene
 Concen: 51.236 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	64.1	32.2	96.6

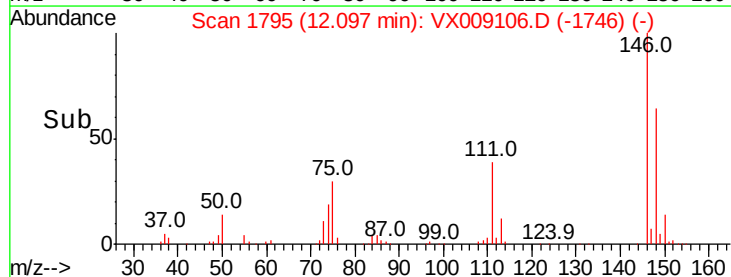
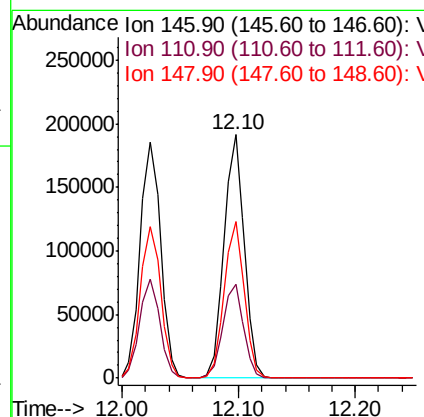
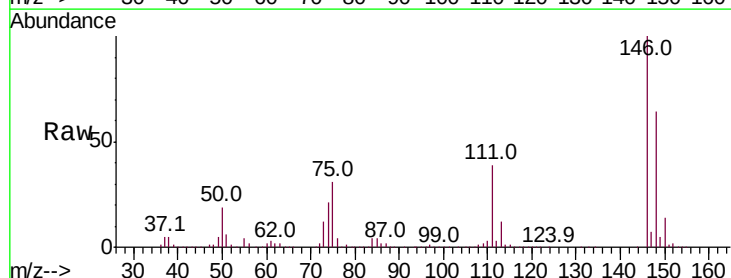
Manual Integrations
 APPROVED

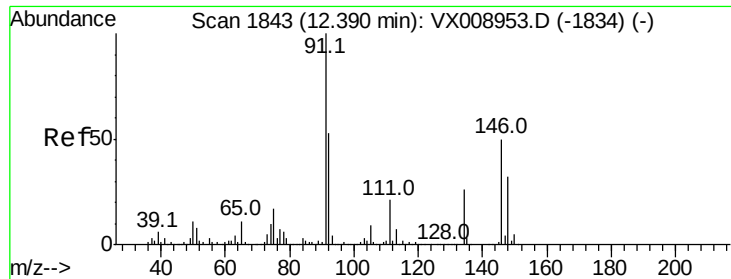
MMDadoda
 4/23/2019 10:30:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.005 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.8	32.2	96.6





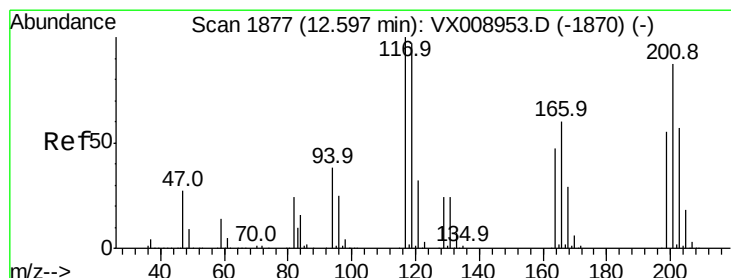
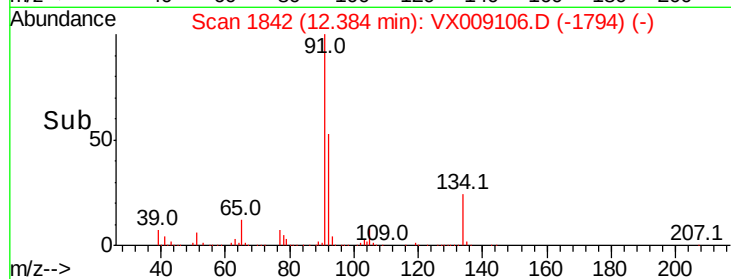
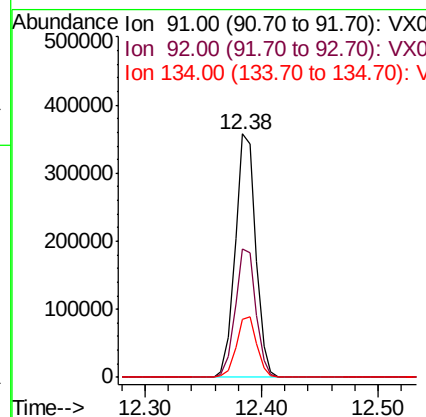
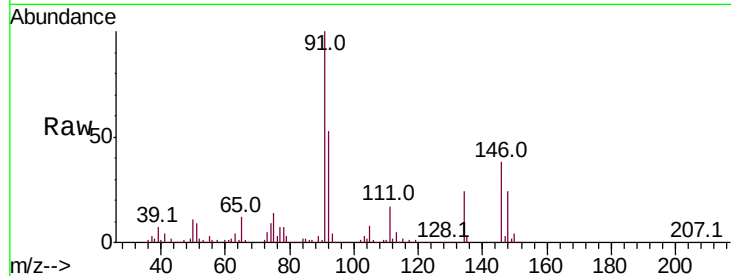
#89
n-Butylbenzene
Concen: 53.347 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	439175		
92	53.0		26.6	79.8
134	24.8		12.4	37.2

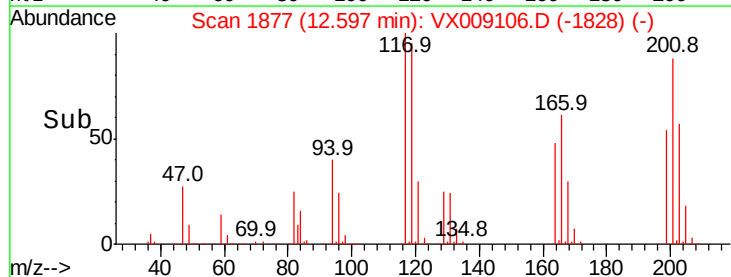
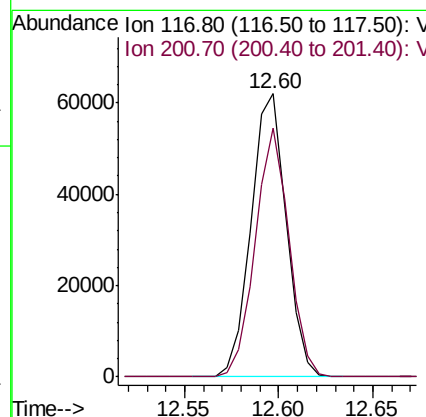
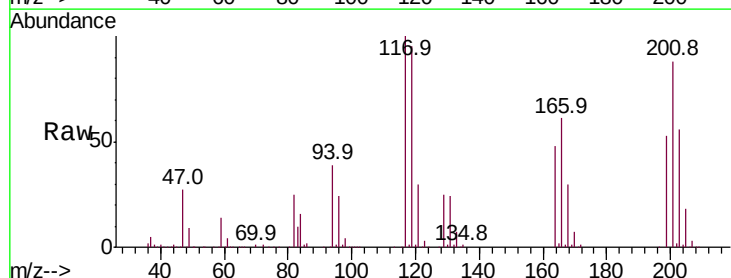
Manual Integrations
APPROVED

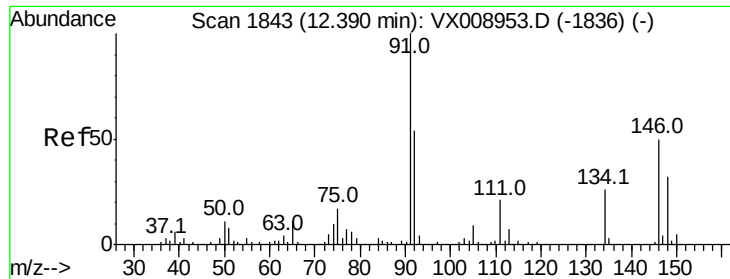
MMDadoda
4/23/2019 10:30:57 AM



#90
Hexachloroethane
Concen: 54.992 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009106.D
Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80186		
201	84.2		43.0	129.0





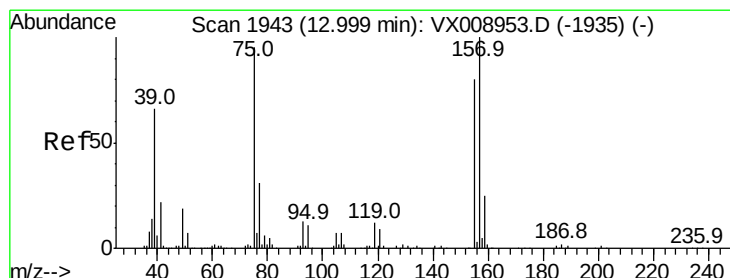
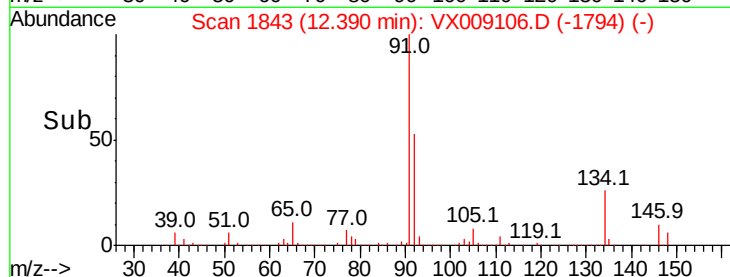
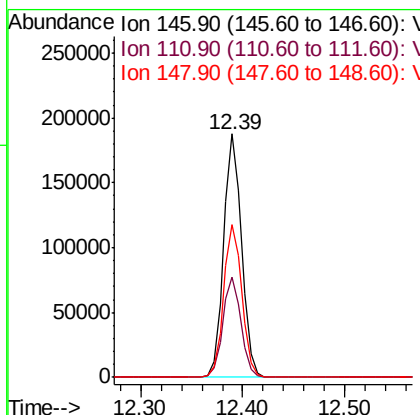
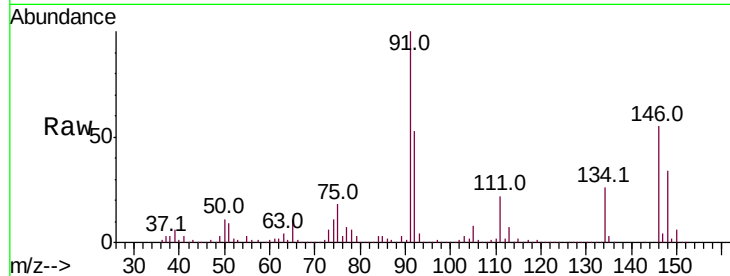
#91
 1,2-Dichlorobenzene
 Concen: 52.456 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228878		
111	41.6	20.6	61.9	
148	63.6	32.0	96.2	

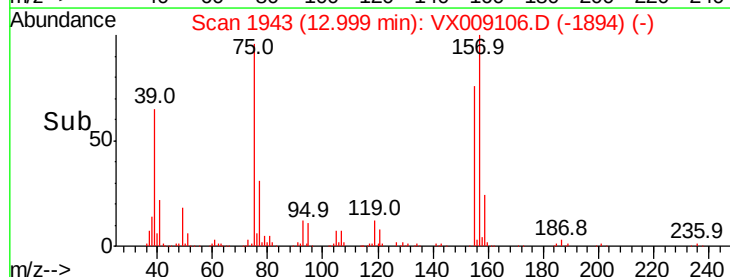
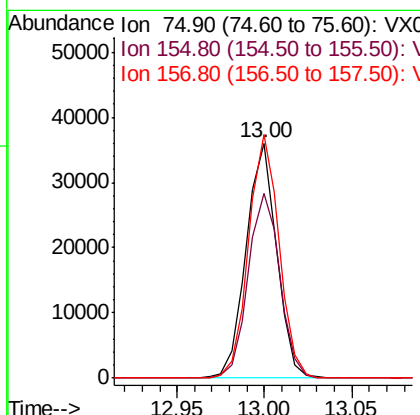
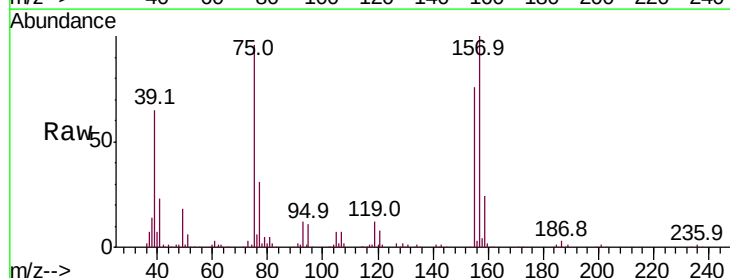
Manual Integrations
 APPROVED

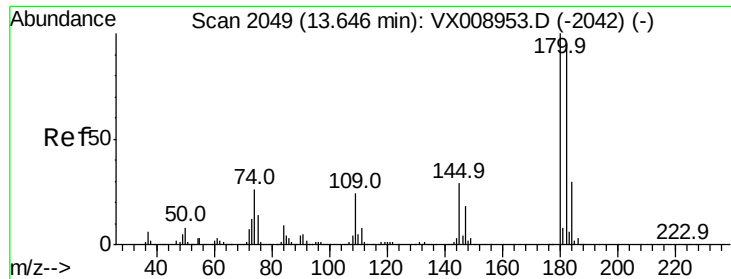
MMDadoda
 4/23/2019 10:30:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.875 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009106.D
 Acq: 22 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44014		
155	81.0	41.2	123.6	
157	103.2	52.5	157.6	





#93

1,2,4-Trichlorobenzene

Concen: 51.558 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

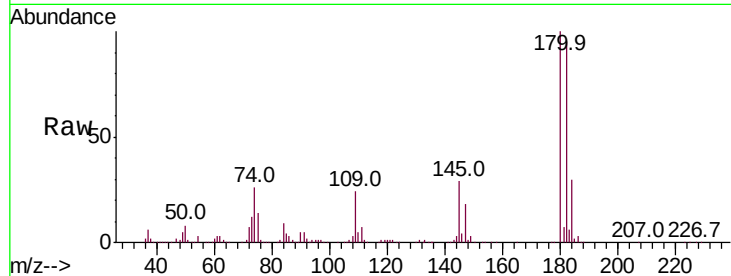
ClientSampleId :

VSTDCCC050EC

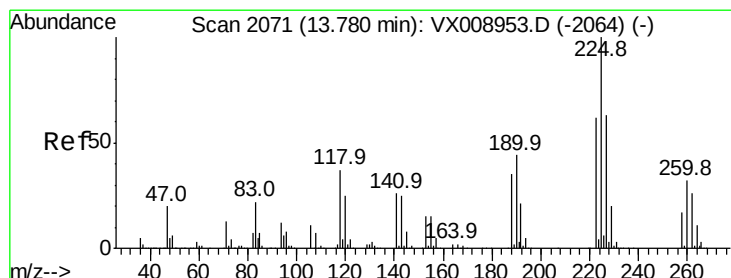
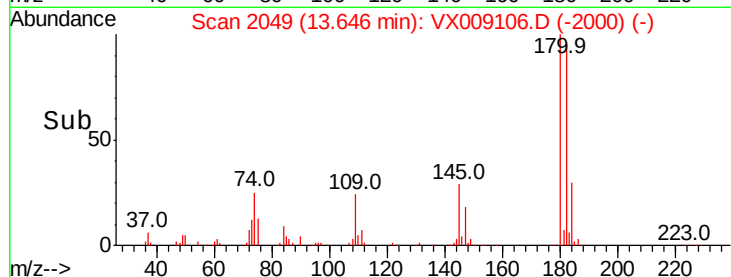
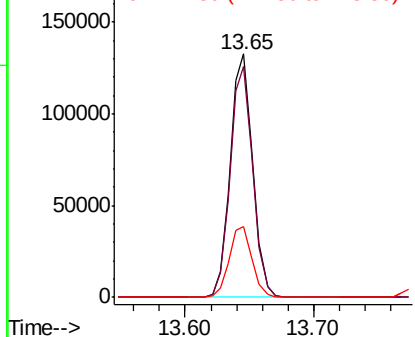
Tot Ion:	180	Resp:	162393
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.9
145	29.4	14.8	44.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.136 ug/l

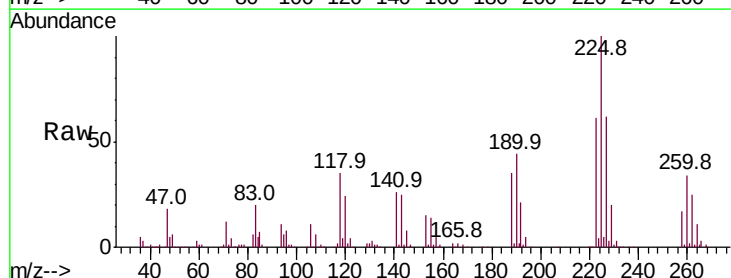
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

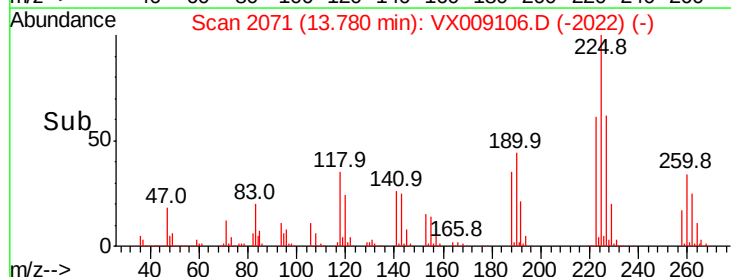
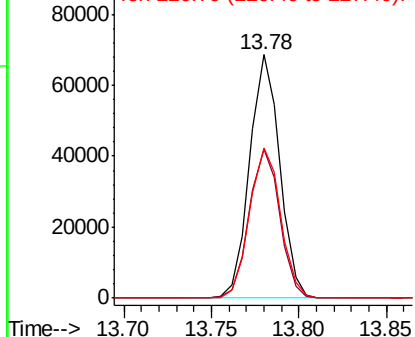
Lab File: VX009106.D

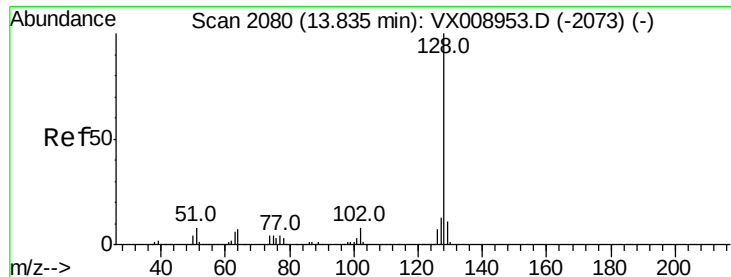
Acq: 22 Apr 2019 18:42

Tgt Ion:	225	Resp:	81901
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.1	93.2
227	63.5	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.796 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Instrument :

MSVOA_X

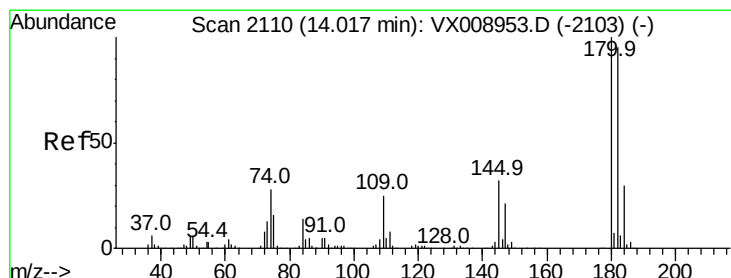
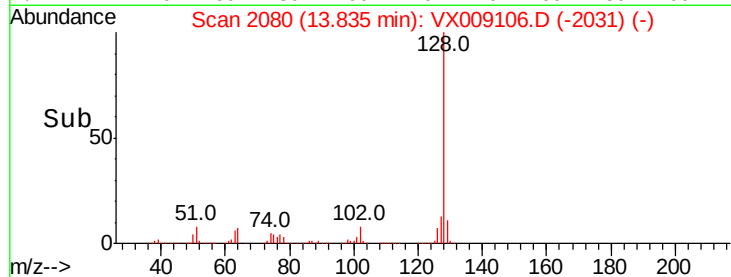
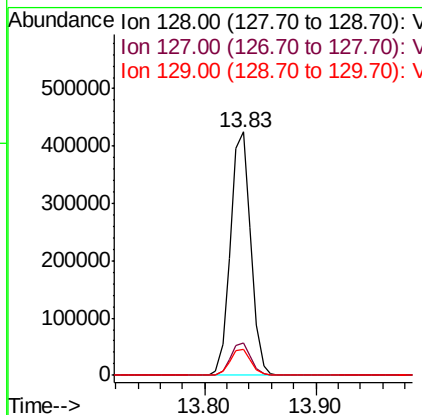
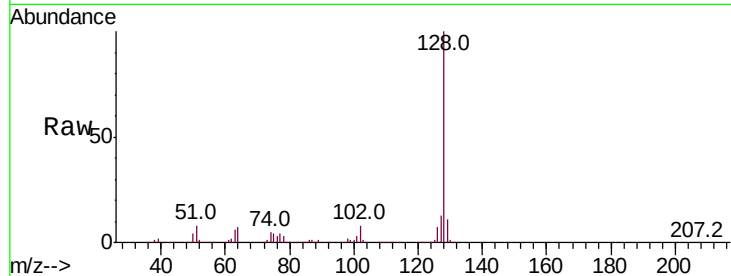
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	532771
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.998 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009106.D

Acq: 22 Apr 2019 18:42

Tgt Ion:	180	Resp:	161594
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.4
145	31.5	15.8	47.3

