

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041119\
 Data File : VX008872.D
 Acq On : 11 Apr 2019 23:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:46:14 AM

Quant Time: Apr 12 08:51:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	261883	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111042	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106809	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	5.49	113	79183	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	8.71	98	318705	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.13	95	116423	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	104055	57.822	ug/l	99
3) Chloromethane	1.32	50	128362	58.489	ug/l	99
4) Vinyl Chloride	1.41	62	118196	48.587	ug/l	98
5) Bromomethane	1.64	94	65295	54.317	ug/l	99
6) Chloroethane	1.71	64	69274	52.280	ug/l	100
7) Trichlorofluoromethane	1.92	101	129699	48.231	ug/l	98
8) Diethyl Ether	2.19	74	59735	46.842	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79971	46.190	ug/l	98
10) Methyl Iodide	2.51	142	98713	61.593	ug/l	100
11) Tert butyl alcohol	3.06	59	132265	247.762	ug/l	100
12) 1,1-Dichloroethene	2.37	96	86043	47.606	ug/l	98
13) Acrolein	2.29	56	75807	286.382	ug/l	99
14) Allyl chloride	2.73	41	197303	47.686	ug/l	98
15) Acrylonitrile	3.14	53	338096	239.067	ug/l	100
16) Acetone	2.45	43	289150	220.159	ug/l	100
17) Carbon Disulfide	2.57	76	253380	48.525	ug/l	100
18) Methyl Acetate	2.78	43	151300	47.500	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	320080	49.589	ug/l	99
20) Methylene Chloride	2.85	84	101285	46.072	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	90366	46.223	ug/l	96
22) Diisopropyl ether	3.85	45	386005	48.403	ug/l	94
23) Vinyl Acetate	3.81	43	1733144	249.821	ug/l	99
24) 1,1-Dichloroethane	3.70	63	187862	47.579	ug/l	98
25) 2-Butanone	4.67	43	499029	240.402	ug/l	97
26) 2,2-Dichloropropane	4.58	77	112222	40.354	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	104319	46.412	ug/l	98
28) Bromochloromethane	5.01	49	92662	56.580	ug/l	100
29) Tetrahydrofuran	5.13	42	332172	241.095	ug/l	98
30) Chloroform	5.21	83	168193	47.693	ug/l	99
31) Cyclohexane	5.58	56	186256	47.275	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	140649	49.354	ug/l	99
36) 1,1-Dichloropropene	5.80	75	131676	45.998	ug/l	99
37) Ethyl Acetate	4.84	43	188461	49.322	ug/l	100
38) Carbon Tetrachloride	5.78	117	116723	49.265	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041119\
 Data File : VX008872.D
 Acq On : 11 Apr 2019 23:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:46:14 AM

Quant Time: Apr 12 08:51:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160988	45.524	ug/l	98
40) Benzene	6.14	78	405832	47.587	ug/l	99
41) Methacrylonitrile	5.04	41	105704	48.127	ug/l	99
42) 1,2-Dichloroethane	6.19	62	143747	47.017	ug/l	100
43) Isopropyl Acetate	6.45	43	300499	50.203	ug/l	100
44) Trichloroethene	7.21	130	95464	48.062	ug/l	95
45) 1,2-Dichloropropane	7.51	63	115589	47.487	ug/l	98
46) Dibromomethane	7.66	93	65433	46.348	ug/l	98
47) Bromodichloromethane	7.90	83	130157	48.897	ug/l	100
48) Methyl methacrylate	7.77	41	152280	50.293	ug/l	99
49) 1,4-Dioxane	7.74	88	53580	944.639	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	970826	251.954	ug/l	100
52) Toluene	8.79	92	244617	48.653	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147512	49.472	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	163396	47.958	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98206	48.660	ug/l	99
56) Ethyl methacrylate	9.18	69	186830	51.164	ug/l	98
57) 1,3-Dichloropropane	9.37	76	174991	48.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	458109	245.693	ug/l	99
59) 2-Hexanone	9.49	43	733992	245.114	ug/l	99
60) Dibromochloromethane	9.58	129	96388	50.683	ug/l	100
61) 1,2-Dibromoethane	9.67	107	101091	48.115	ug/l	99
64) Tetrachloroethene	9.34	164	85712	48.718	ug/l	98
65) Chlorobenzene	10.13	112	250529	47.594	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89227	48.318	ug/l	99
67) Ethyl Benzene	10.25	91	467159	47.595	ug/l	98
68) m/p-Xylenes	10.36	106	340112	96.372	ug/l	98
69) o-Xylene	10.70	106	164946	48.228	ug/l	99
70) Styrene	10.71	104	288865	48.998	ug/l	100
71) Bromoform	10.85	173	71204	50.486	ug/l #	99
73) Isopropylbenzene	11.02	105	439248	47.732	ug/l	100
74) N-amyl acetate	10.90	43	264527	48.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	156612	44.749	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	136186m	44.645	ug/l	
77) Bromobenzene	11.26	156	107669	48.669	ug/l	97
78) n-propylbenzene	11.36	91	504866	47.118	ug/l	99
79) 2-Chlorotoluene	11.42	91	303549	46.813	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	369483	47.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51681	46.702	ug/l	98
82) 4-Chlorotoluene	11.51	91	345238	45.997	ug/l	98
83) tert-Butylbenzene	11.77	119	348296	46.866	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	370716	47.396	ug/l	99
85) sec-Butylbenzene	11.94	105	420352	47.619	ug/l	99
86) p-Isopropyltoluene	12.06	119	377652	47.665	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	185692	46.887	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183896	45.855	ug/l	99
89) n-Butylbenzene	12.38	91	347858	46.816	ug/l	100
90) Hexachloroethane	12.60	117	64343	48.963	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	183217	46.594	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35335	45.896	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041119\
Data File : VX008872.D
Acq On : 11 Apr 2019 23:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

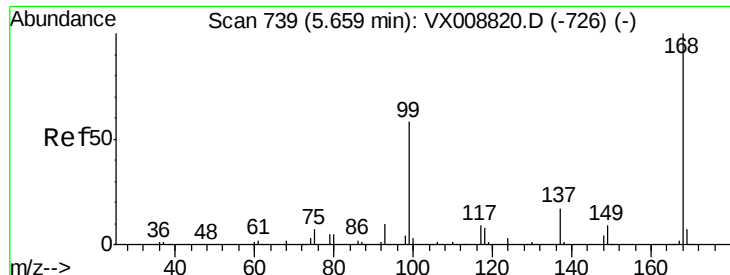
Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM

Quant Time: Apr 12 08:51:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128536	47.013	ug/l	99
94) Hexachlorobutadiene	13.78	225	63369	48.329	ug/l	100
95) Naphthalene	13.83	128	434990	47.603	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130115	47.632	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 156337

Ion Ratio Lower Upper

168 100

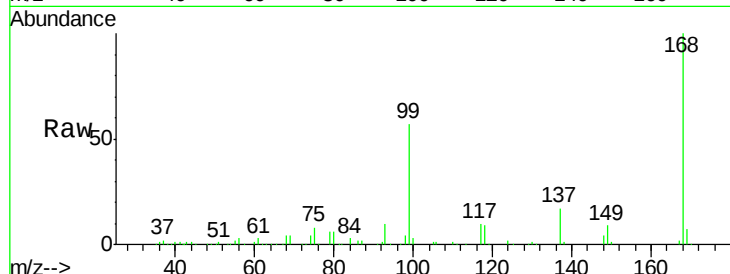
99 57.1 46.7 70.1

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

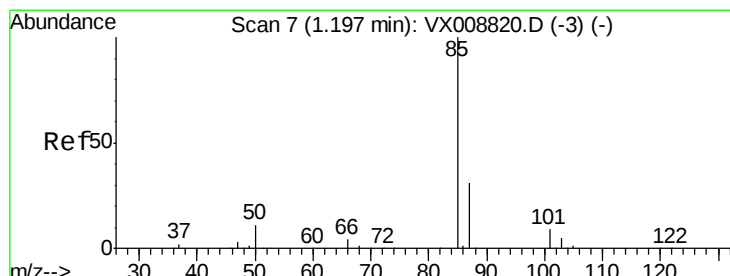
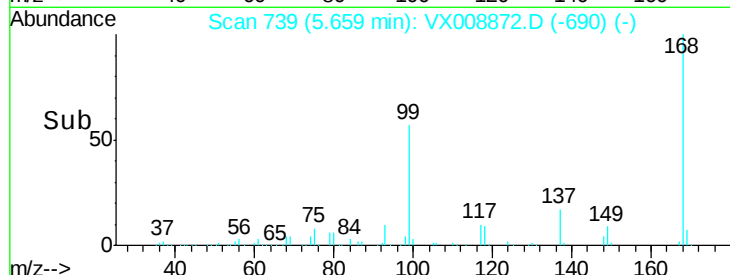
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 57.822 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008872.D

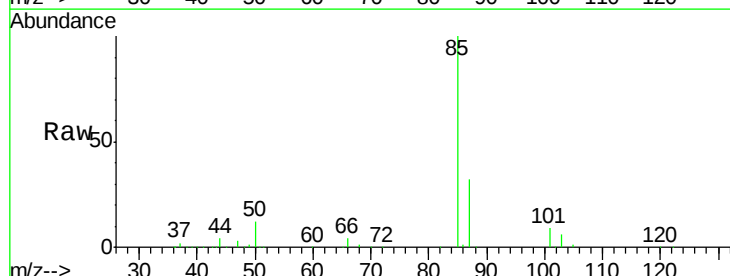
Acq: 11 Apr 2019 23:06

Tgt Ion: 85 Resp: 104055

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

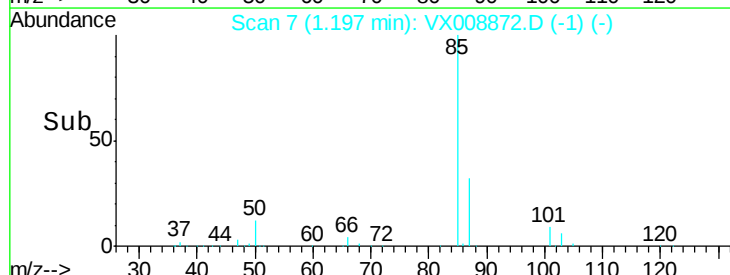
60000

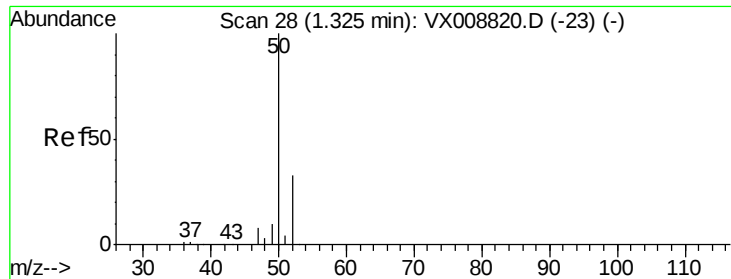
40000

20000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 58.489 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128362

Ion Ratio Lower Upper

50 100

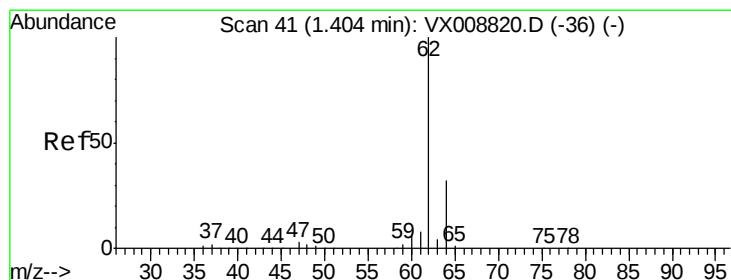
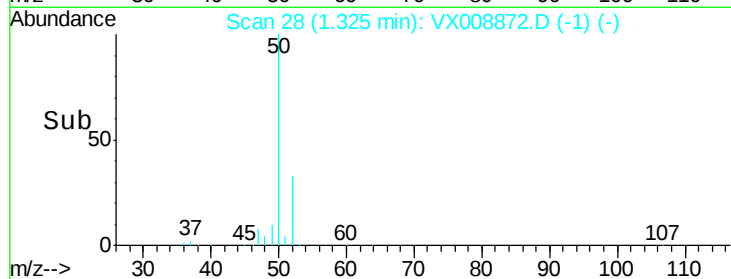
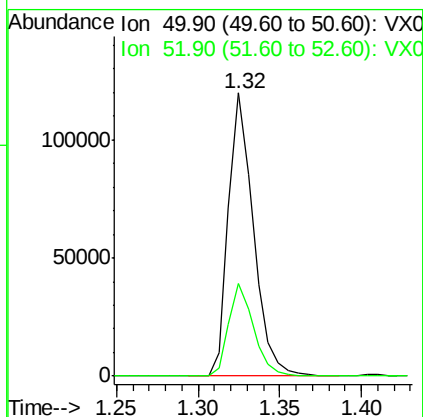
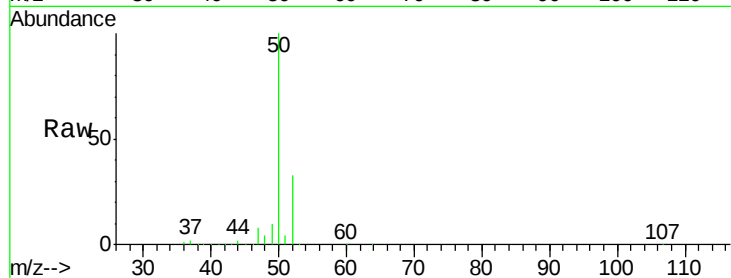
52 32.9 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#4

Vinyl Chloride

Concen: 48.587 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008872.D

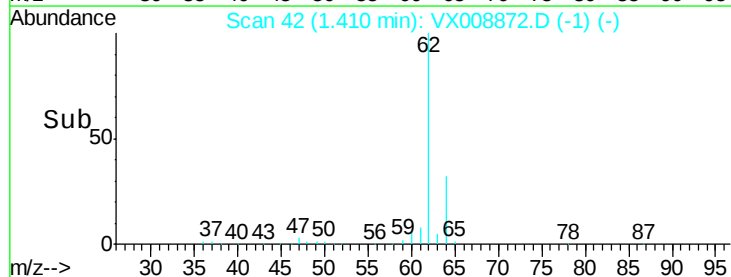
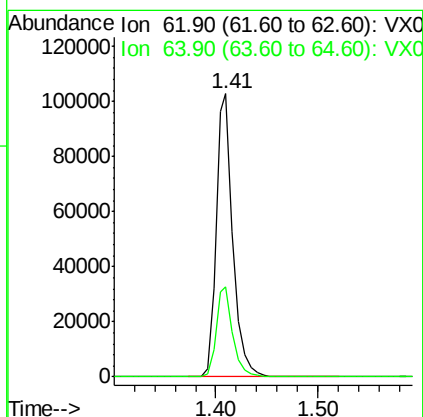
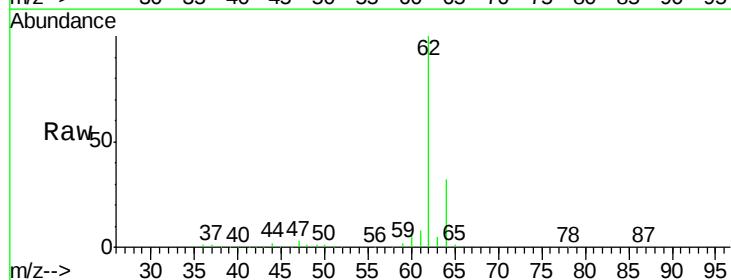
Acq: 11 Apr 2019 23:06

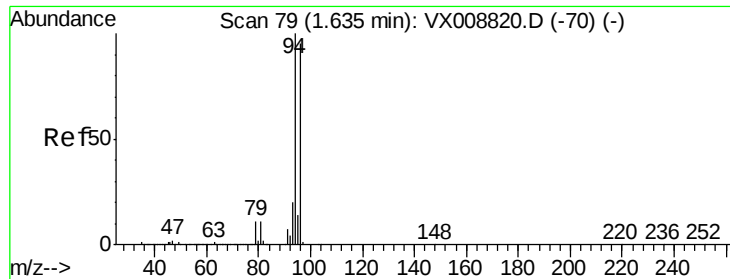
Tgt Ion: 62 Resp: 118196

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 54.317 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65295

Ion Ratio Lower Upper

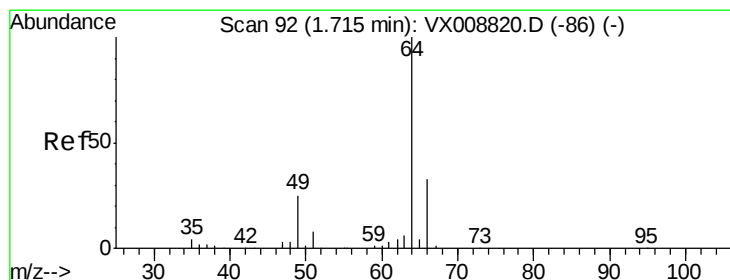
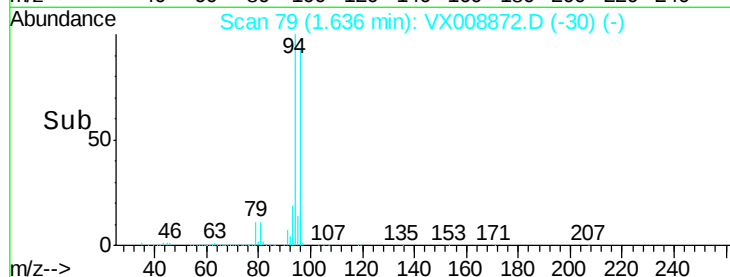
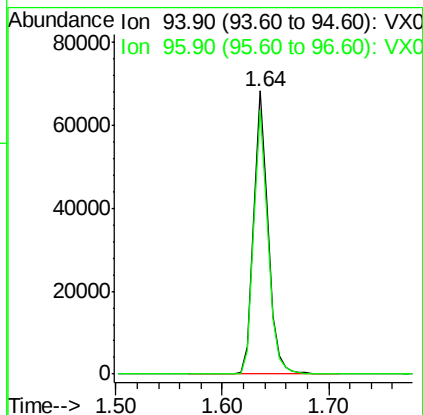
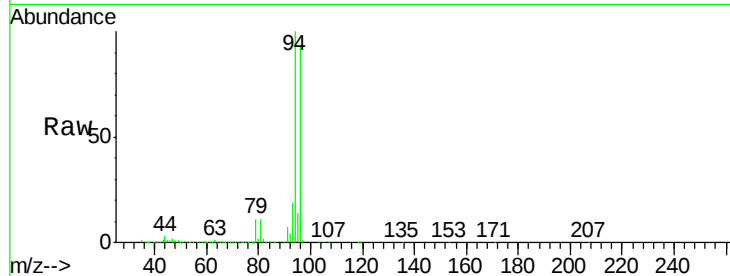
94 100

96 93.5 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#6

Chloroethane

Concen: 52.280 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008872.D

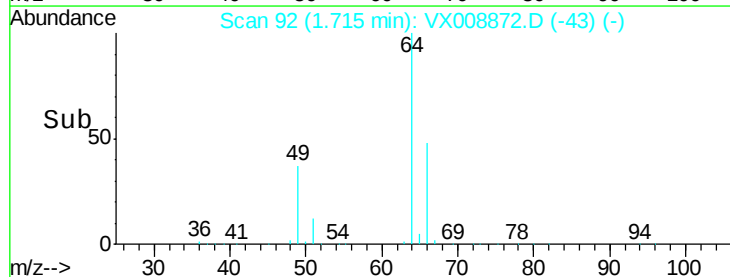
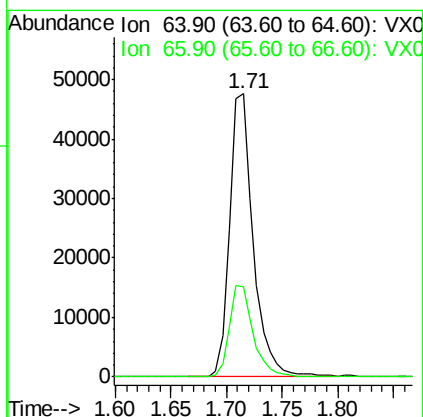
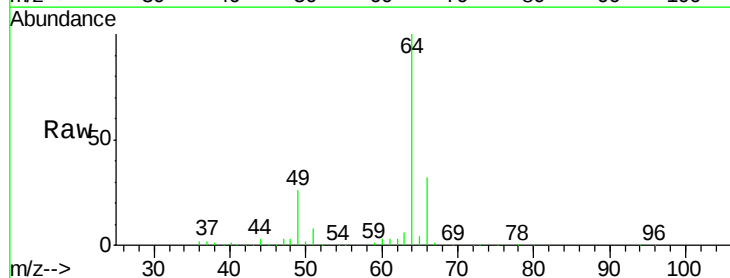
Acq: 11 Apr 2019 23:06

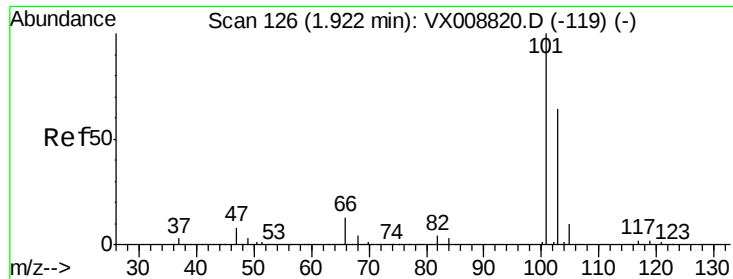
Tgt Ion: 64 Resp: 69274

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.0





#7

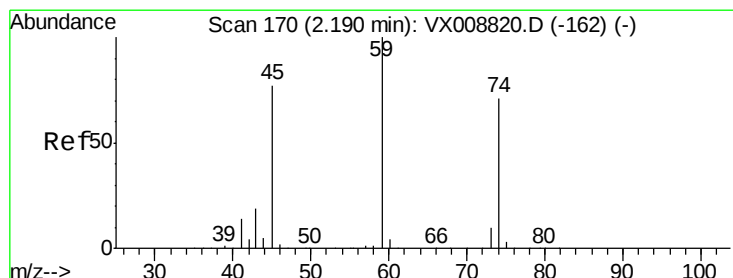
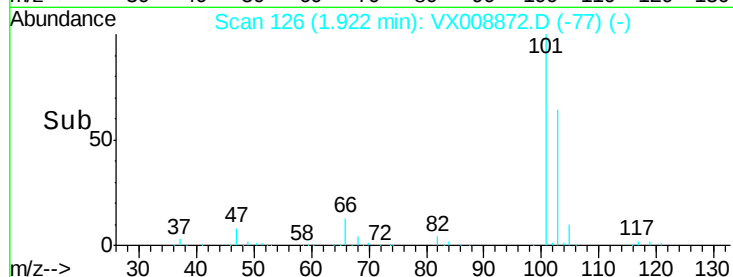
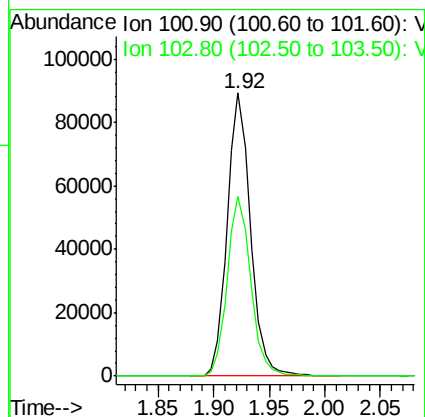
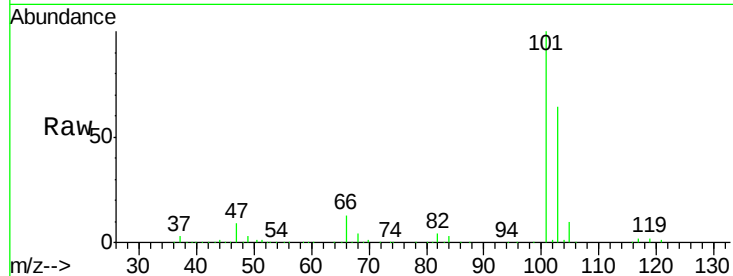
Trichlorofluoromethane
 Concen: 48.231 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

Manual Integrations
 APPROVED

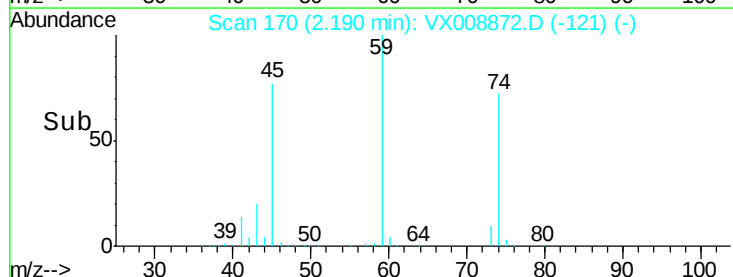
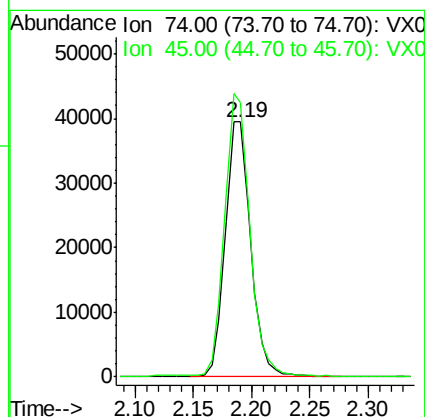
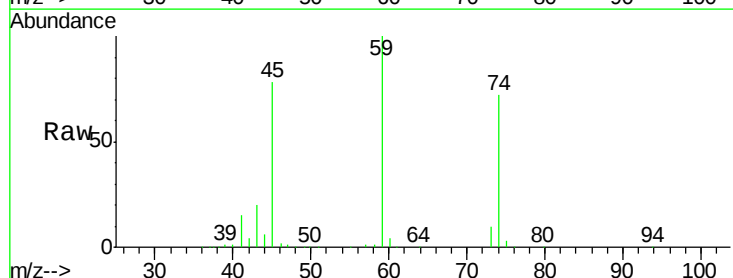
MMDadoda
 4/12/2019 9:46:14 AM

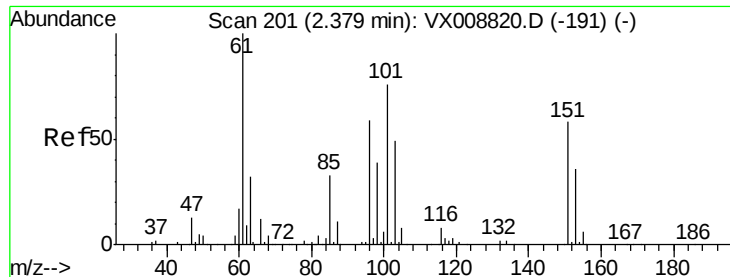


#8

Diethyl Ether
 Concen: 46.842 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.190 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

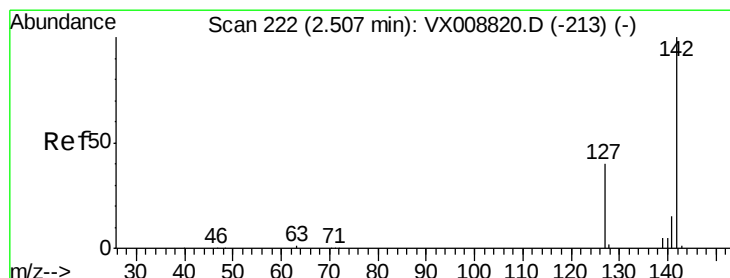
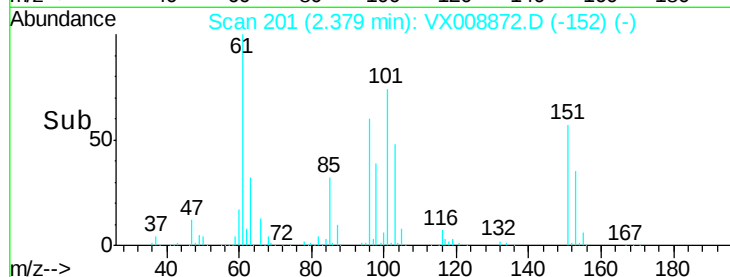
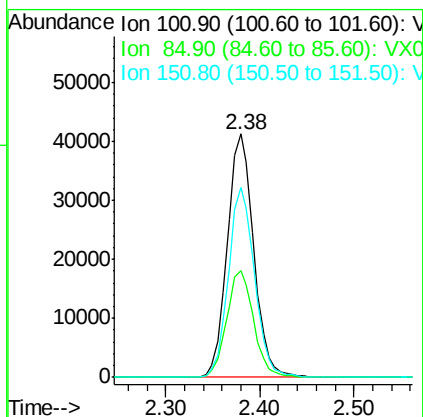
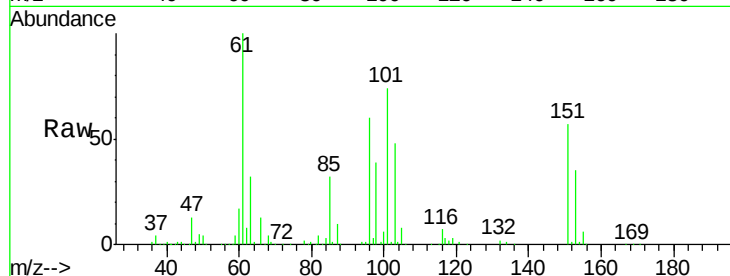
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	79971
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	77.7	59.9	89.9

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM



#10

Methyl Iodide

Concen: 61.593 ug/l

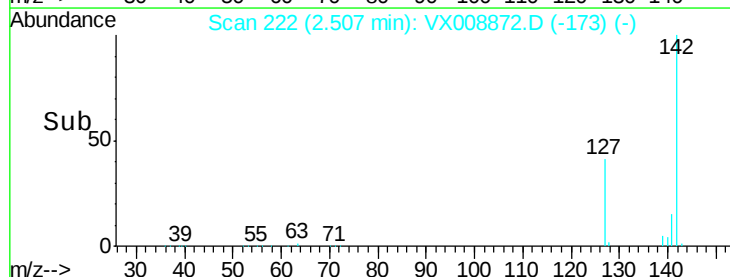
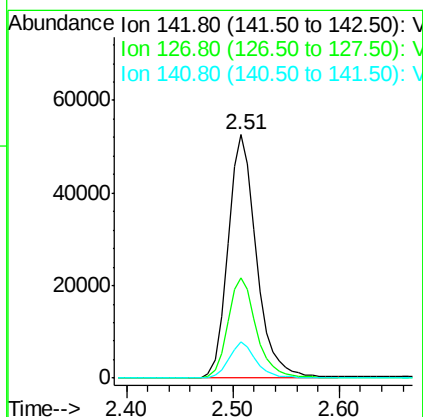
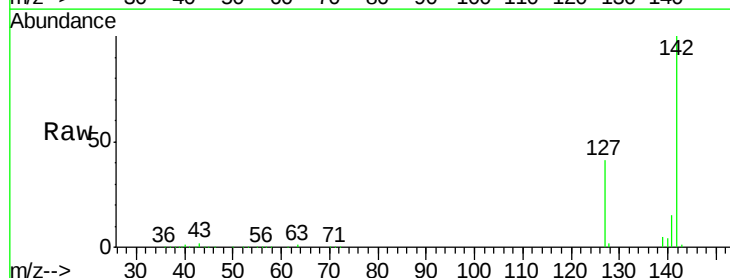
RT: 2.51 min Scan# 222

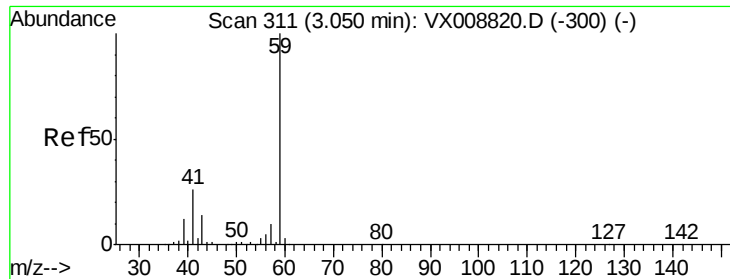
Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Tgt Ion:	142	Resp:	98713
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.6
141	14.2	11.4	17.2





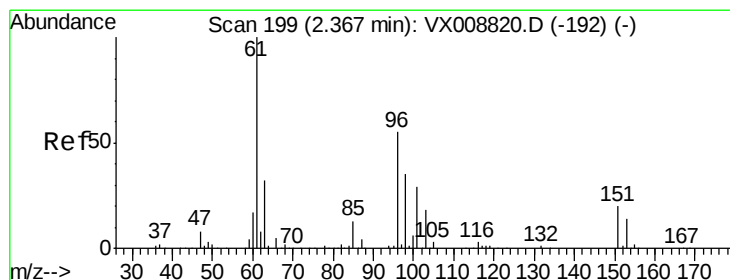
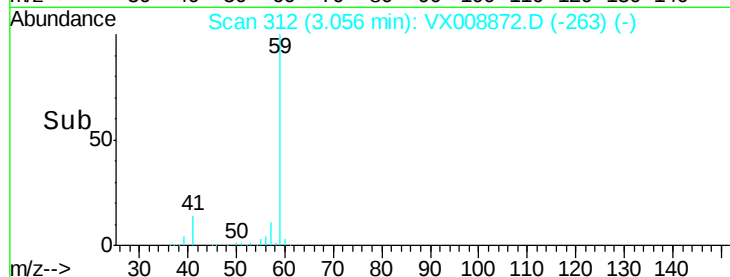
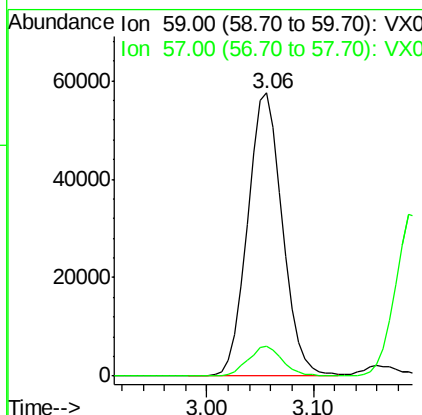
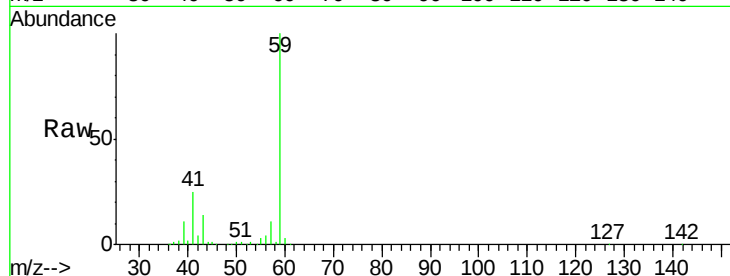
#11
Tert butyl alcohol
Concen: 247.762 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 132265
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

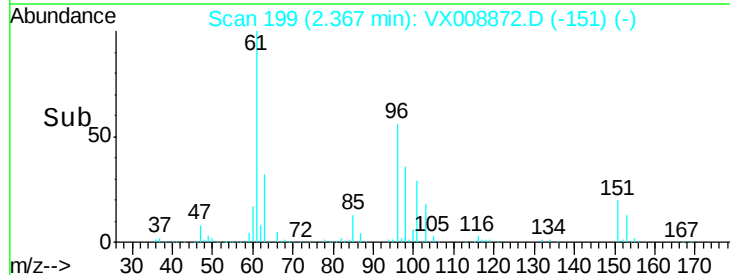
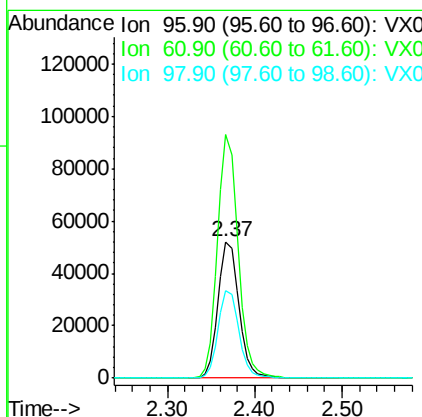
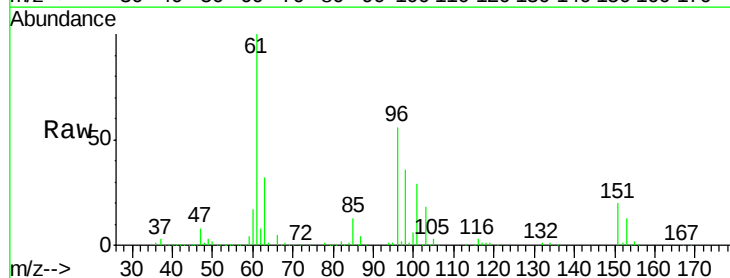
Manual Integrations
APPROVED

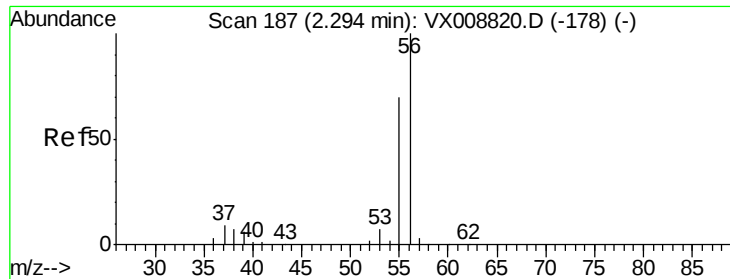
MMDadoda
4/12/2019 9:46:14 AM



#12
1,1-Dichloroethene
Concen: 47.606 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion: 96 Resp: 86043
Ion Ratio Lower Upper
96 100
61 178.7 140.9 211.3
98 64.4 52.1 78.1





#13

Acrolein

Concen: 286.382 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 75807

Ion Ratio Lower Upper

56 100

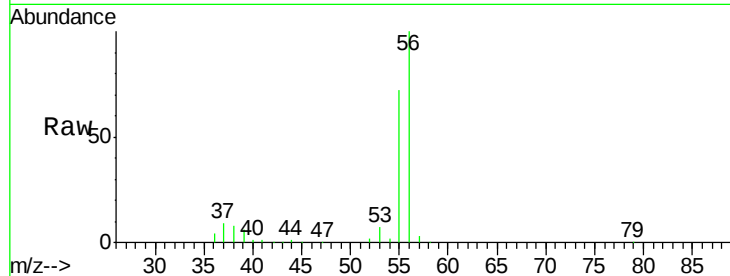
55 71.3 58.0 87.0

Manual Integrations

APPROVED

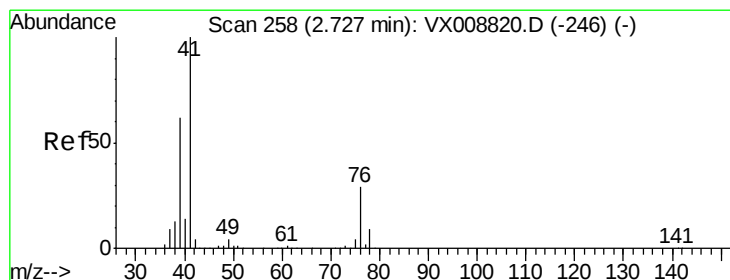
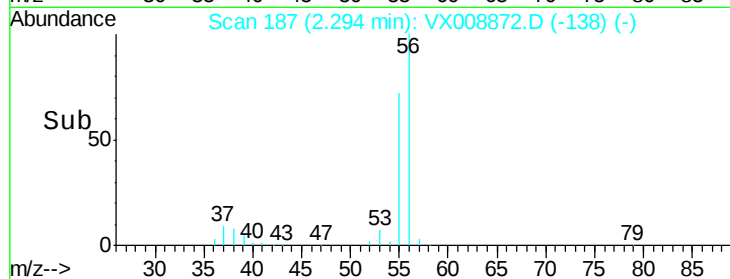
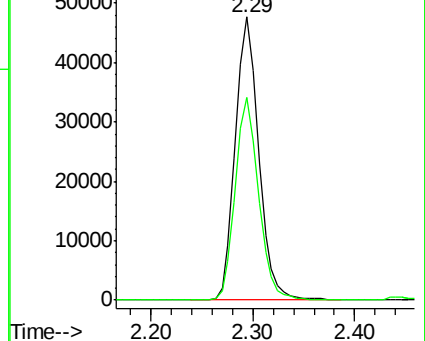
MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.686 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

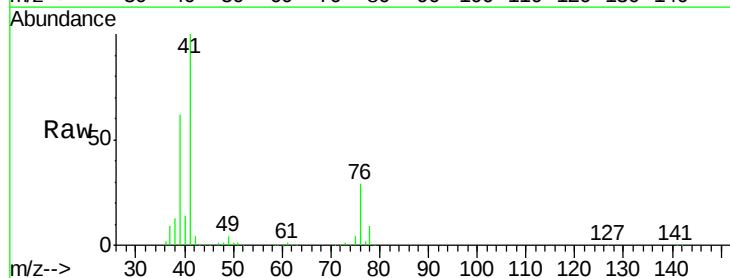
Tgt Ion: 41 Resp: 197303

Ion Ratio Lower Upper

41 100

39 58.8 48.0 72.0

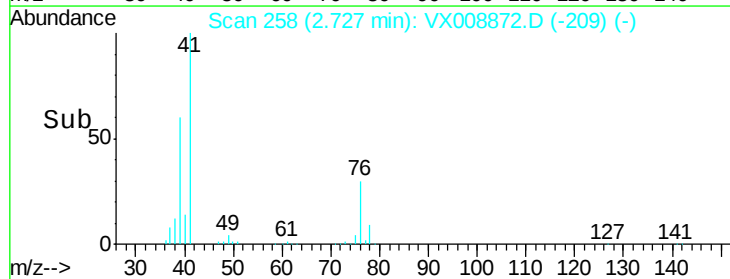
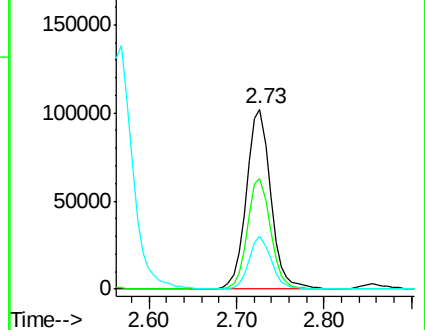
76 26.5 22.0 33.0

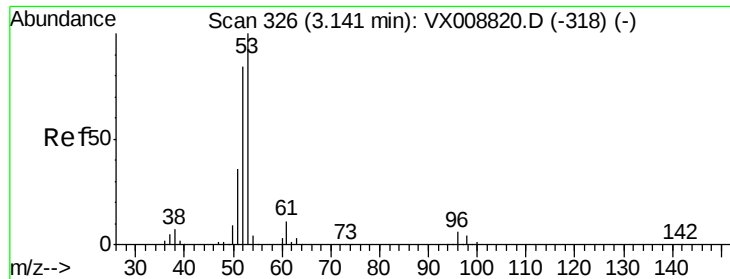


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 239.067 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

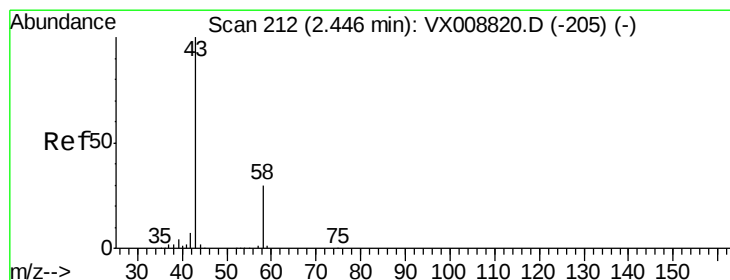
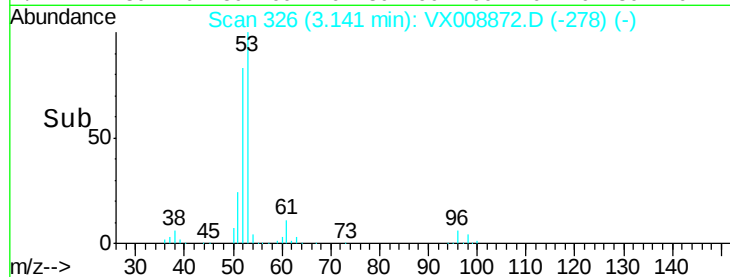
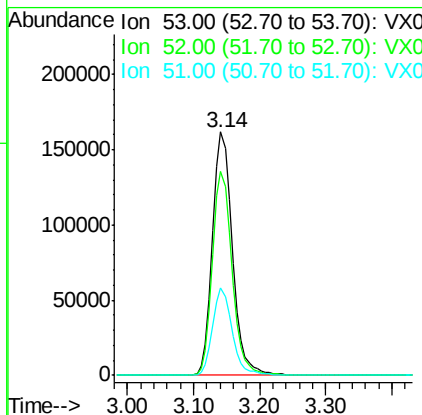
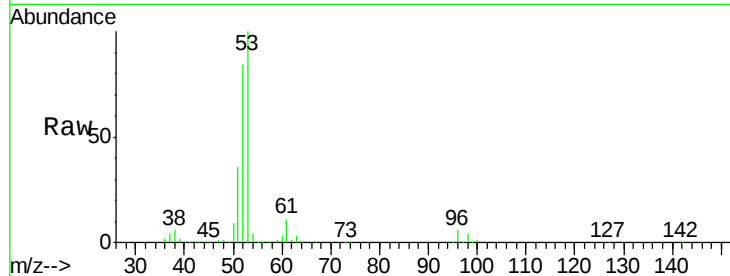
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	338096
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	35.1	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM



#16

Acetone

Concen: 220.159 ug/l

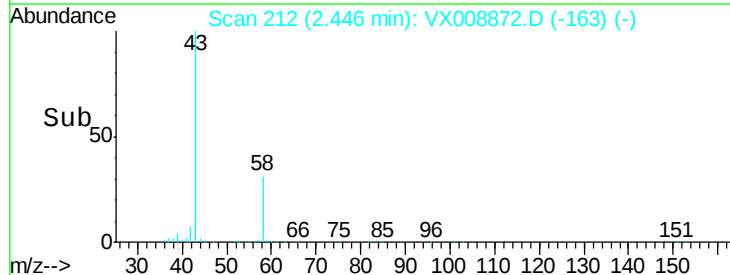
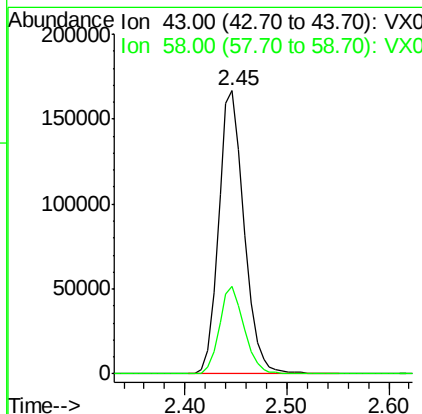
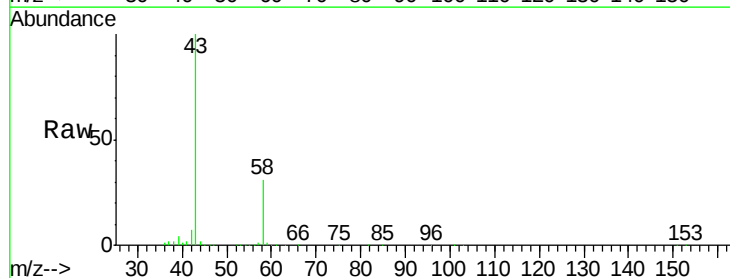
RT: 2.45 min Scan# 212

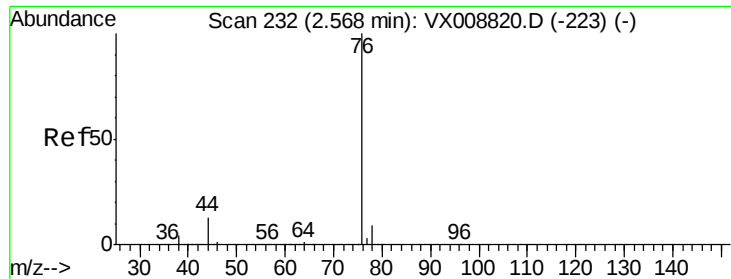
Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Tgt Ion:	43	Resp:	289150
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





#17

Carbon Disulfide

Concen: 48.525 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 253380

Ion Ratio Lower Upper

76 100

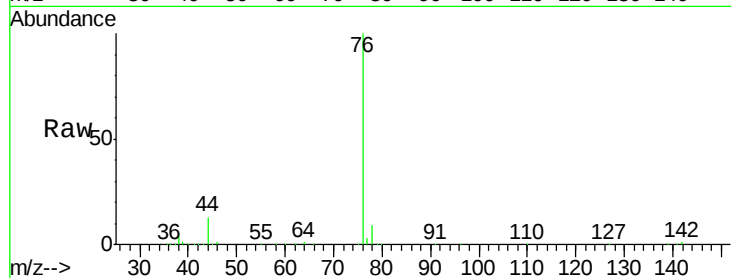
78 9.0 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

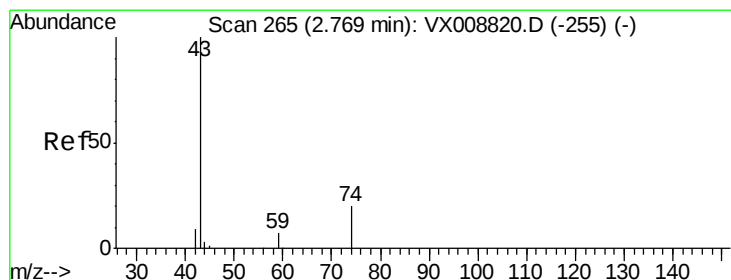
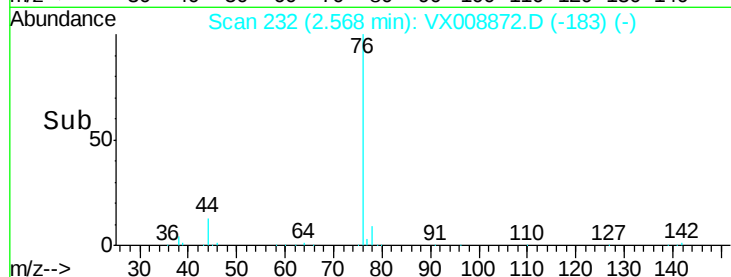
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.500 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008872.D

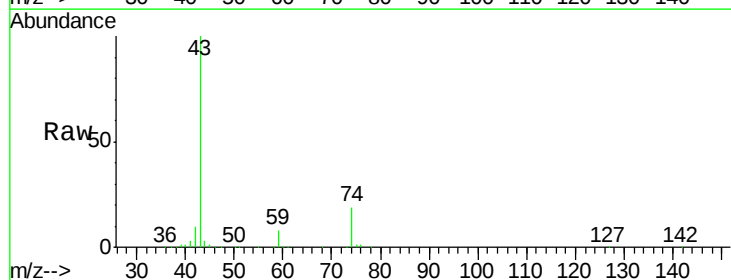
Acq: 11 Apr 2019 23:06

Tgt Ion: 43 Resp: 151300

Ion Ratio Lower Upper

43 100

74 19.9 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

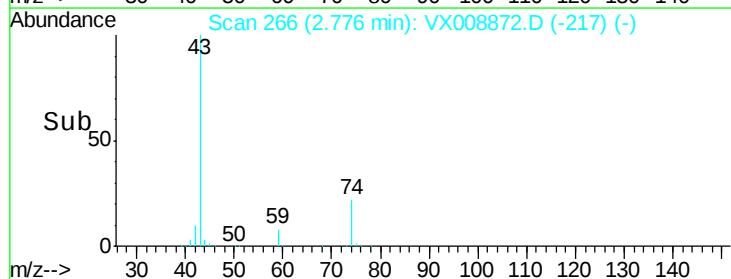
60000

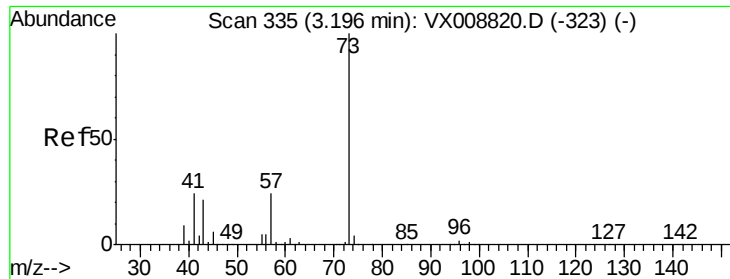
40000

20000

0

Time-->





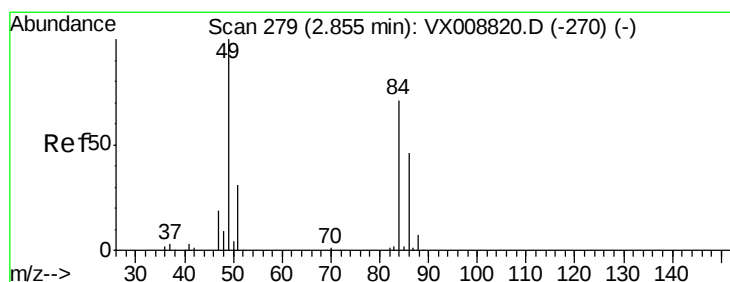
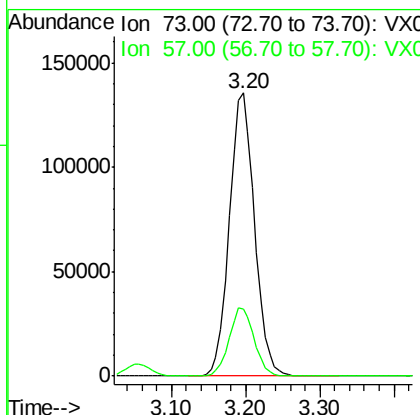
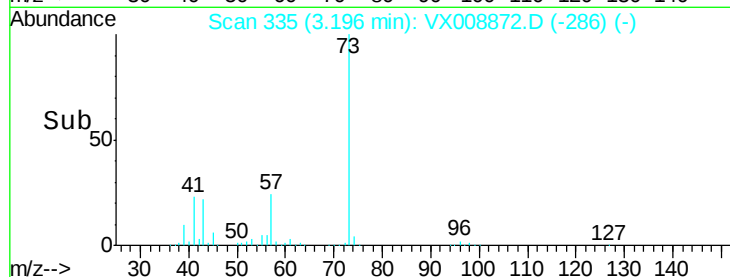
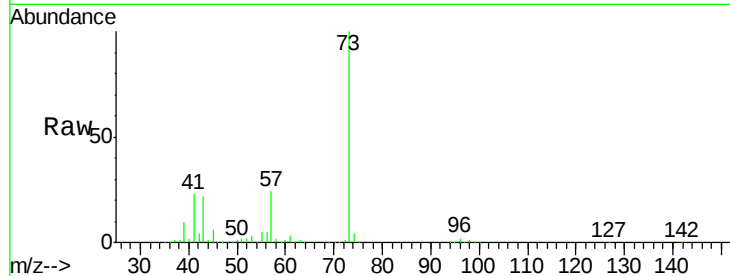
#19
Methyl tert-butyl Ether
Concen: 49.589 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.5	29.3

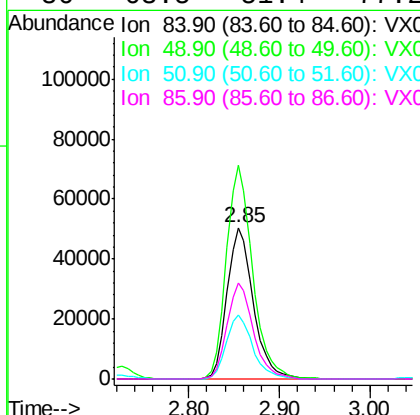
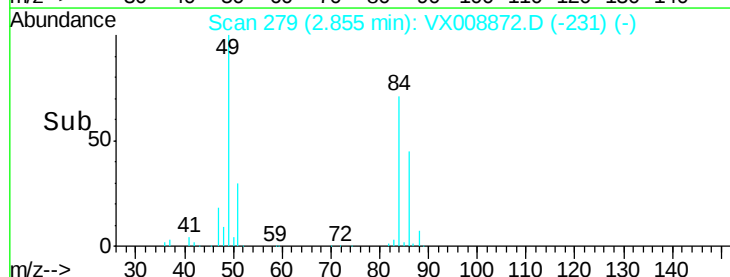
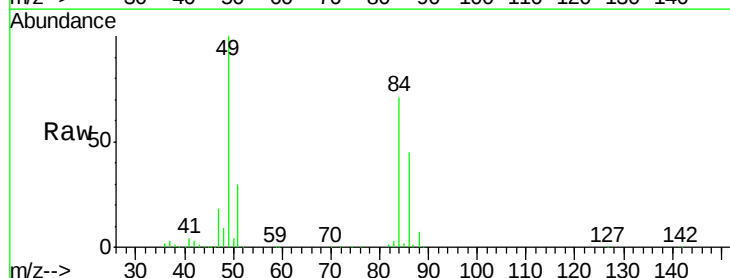
Manual Integrations
APPROVED

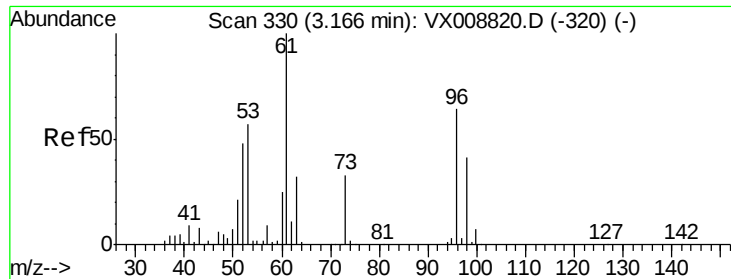
MMDadoda
4/12/2019 9:46:14 AM



#20
Methylene Chloride
Concen: 46.072 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.0	109.7	164.5
51	42.6	33.6	50.4
86	63.5	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 46.223 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 90366

Ion Ratio Lower Upper

96 100

61 159.7 132.1 198.1

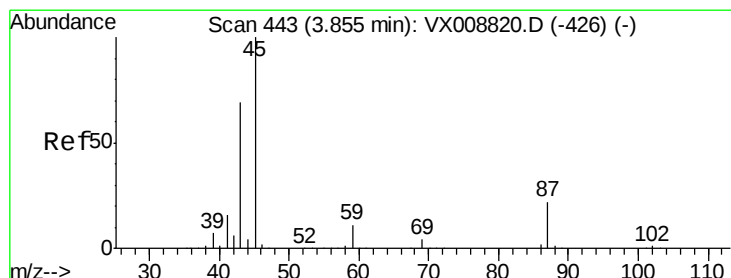
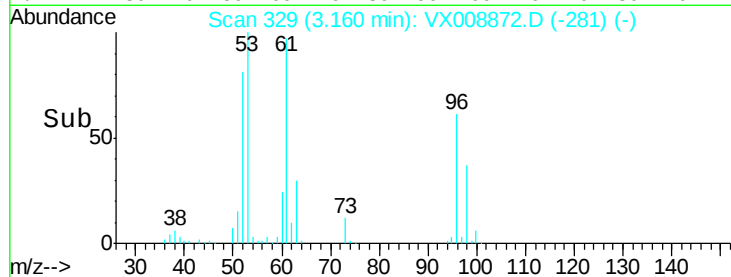
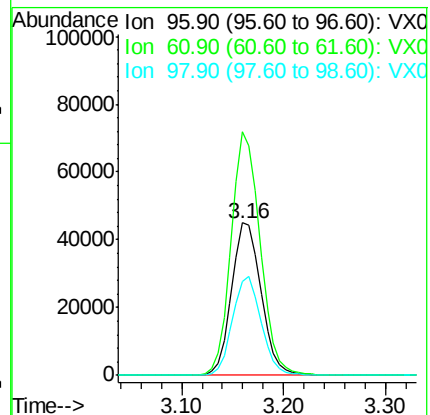
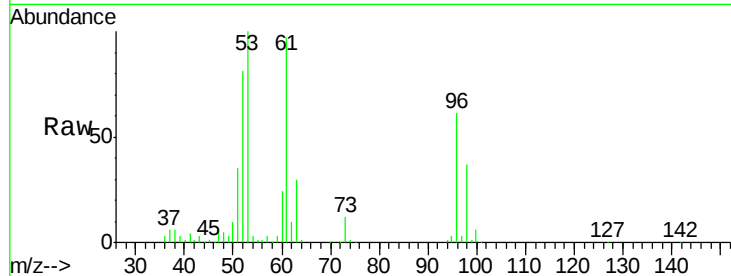
98 61.5 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#22

Diisopropyl ether

Concen: 48.403 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Tgt Ion: 45 Resp: 386005

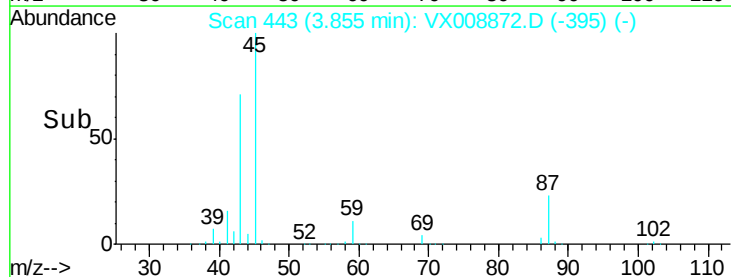
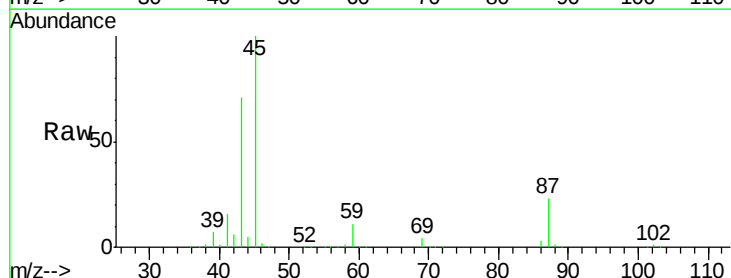
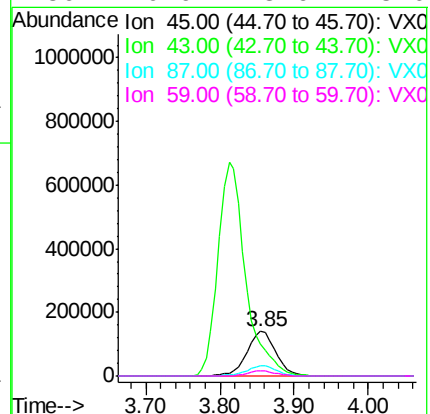
Ion Ratio Lower Upper

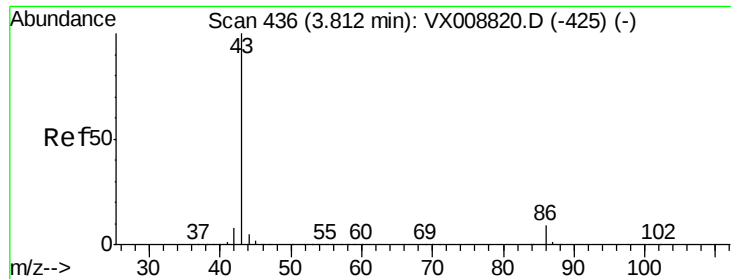
45 100

43 70.4 51.3 76.9

87 23.5 18.1 27.1

59 10.9 8.6 13.0





#23

Vinyl Acetate

Concen: 249.821 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1733144

Ion Ratio Lower Upper

43 100

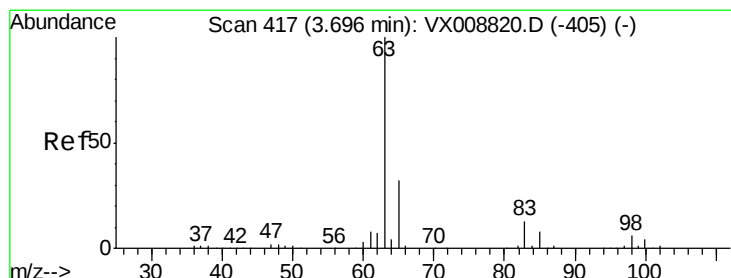
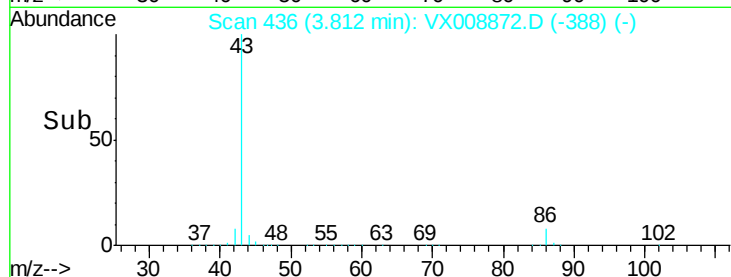
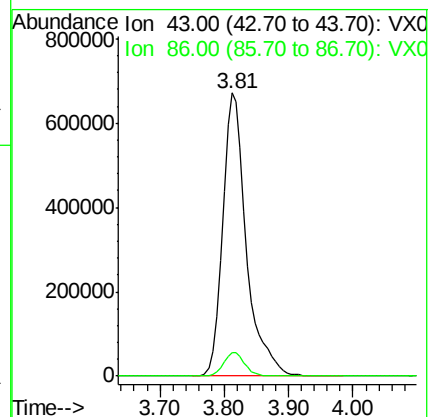
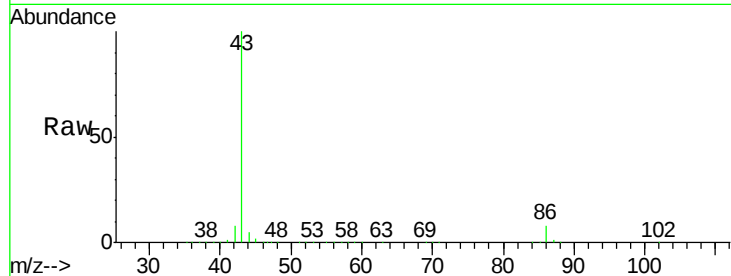
86 8.4 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#24

1,1-Dichloroethane

Concen: 47.579 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

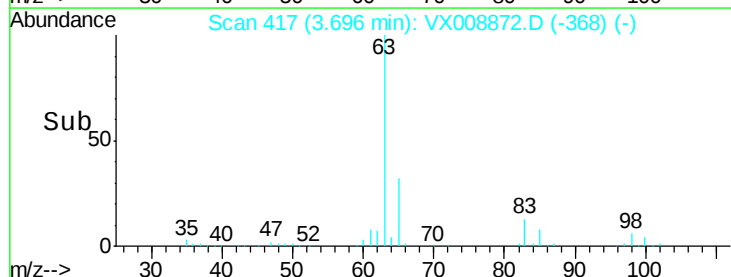
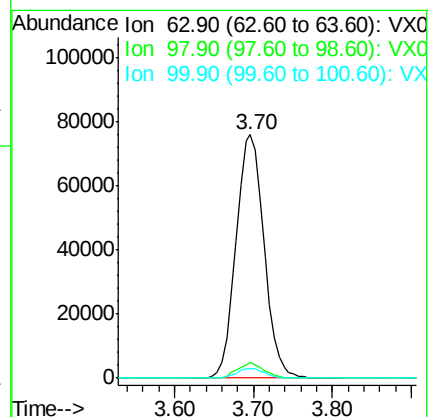
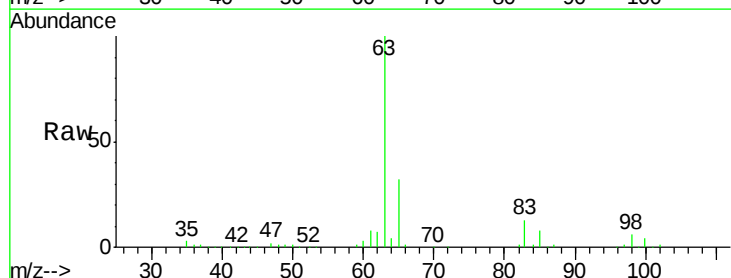
Tgt Ion: 63 Resp: 187862

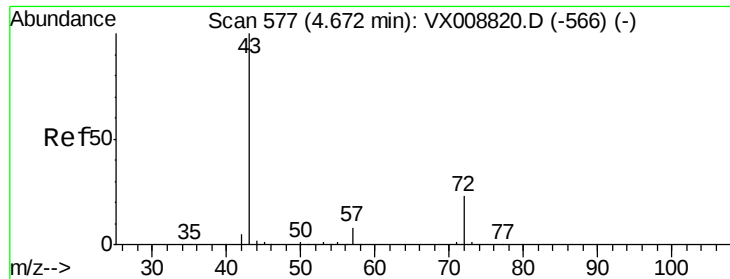
Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 240.402 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 499029

Ion Ratio Lower Upper

43 100

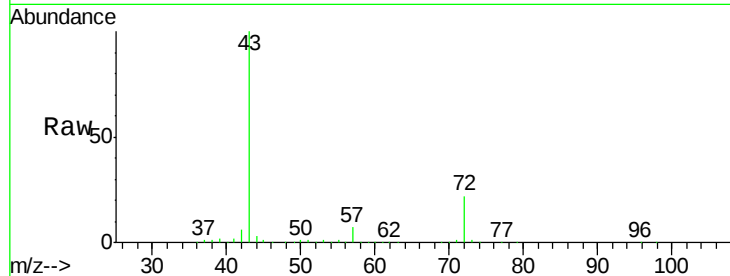
72 21.5 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

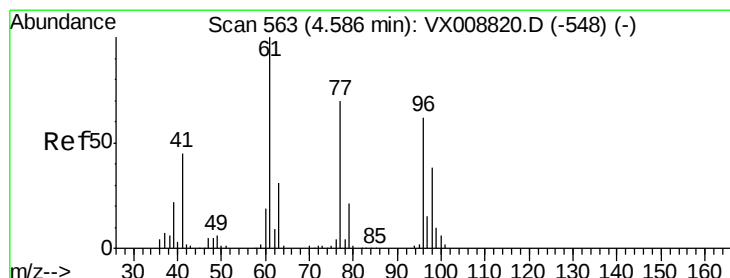
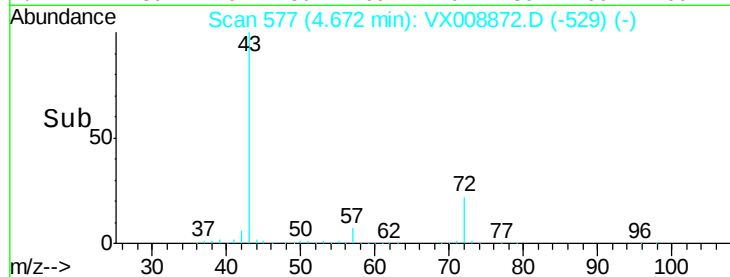
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.354 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008872.D

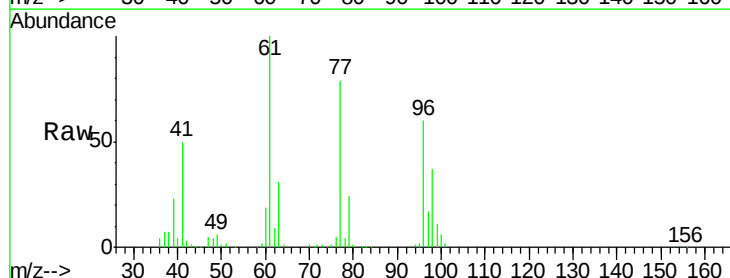
Acq: 11 Apr 2019 23:06

Tgt Ion: 77 Resp: 112222

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

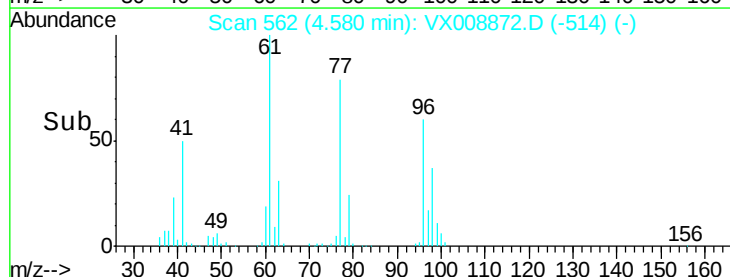
20000

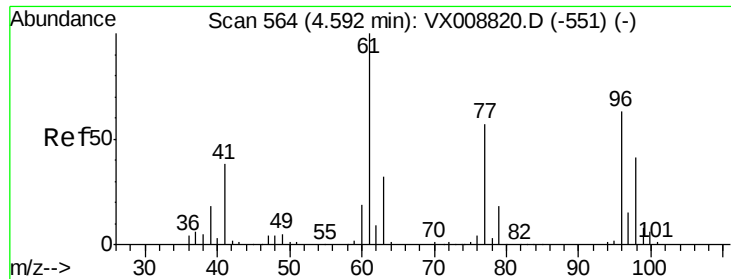
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

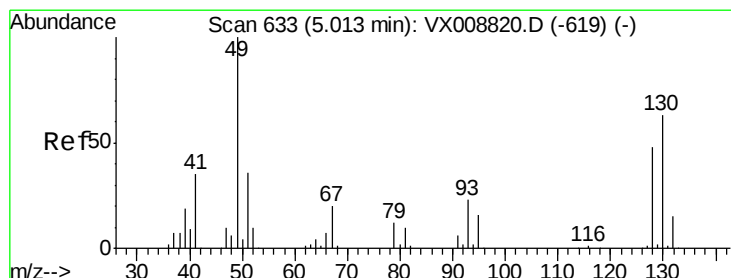
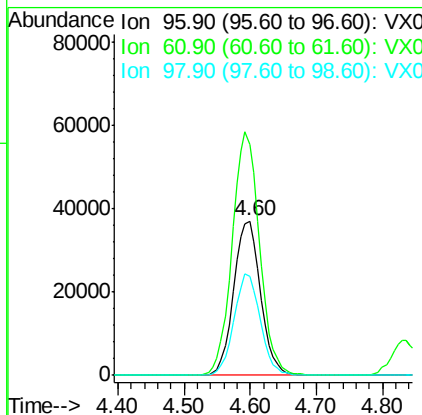
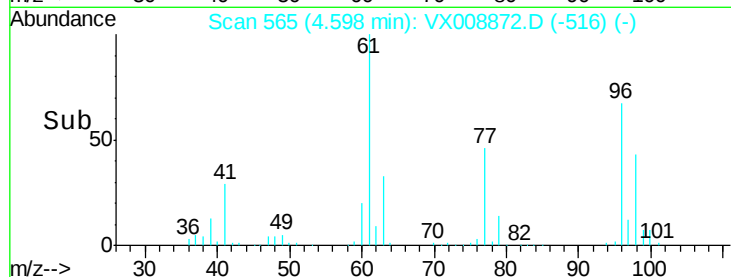
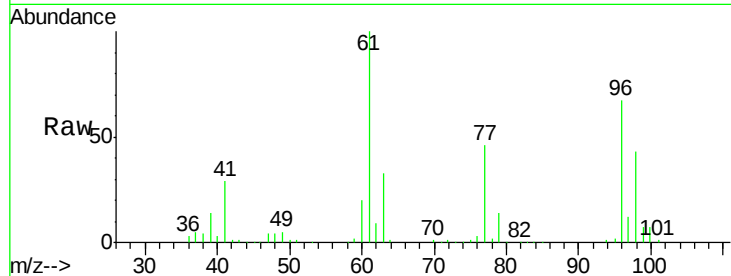
cis-1,2-Dichloroethene
Concen: 46.412 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.3	0.0	327.6	
98	64.2	0.0	128.6	

Manual Integrations
APPROVED

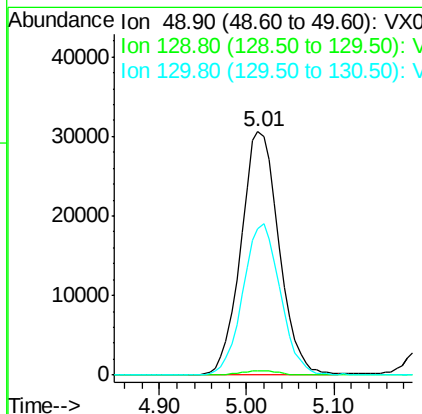
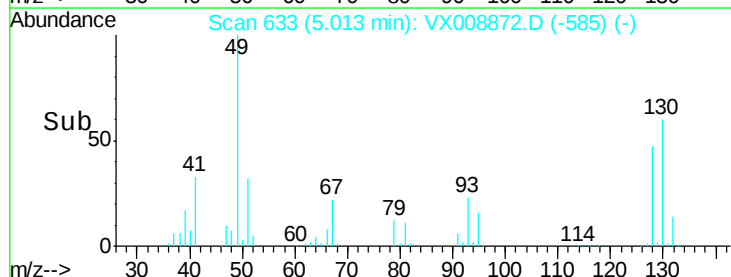
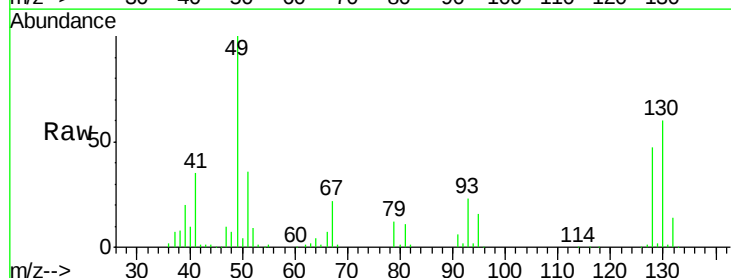
MMDadoda
4/12/2019 9:46:14 AM

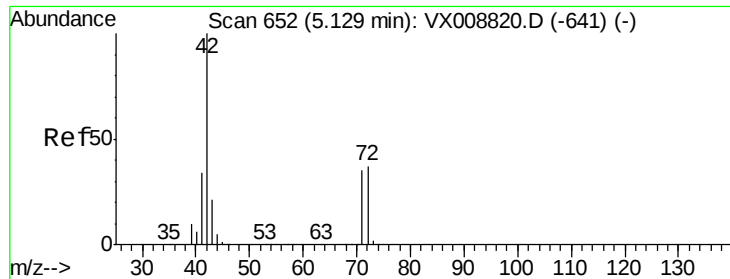


#28

Bromochloromethane
Concen: 56.580 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	61.2	49.3	73.9	





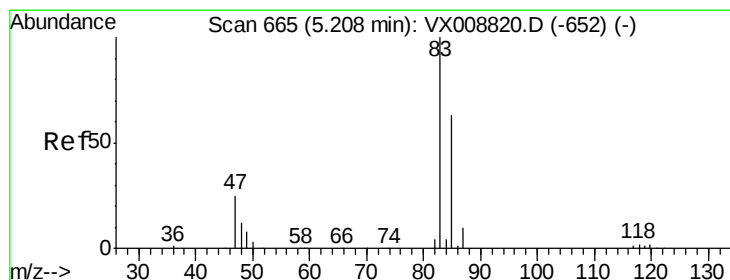
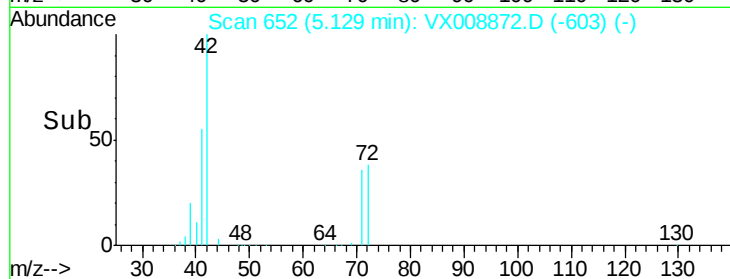
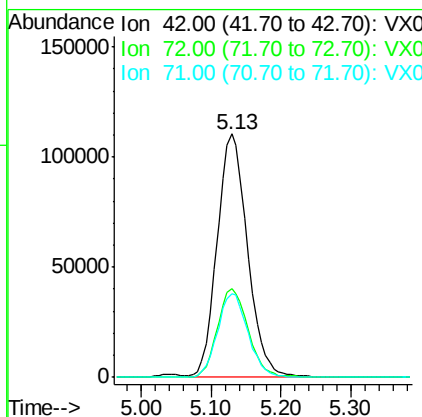
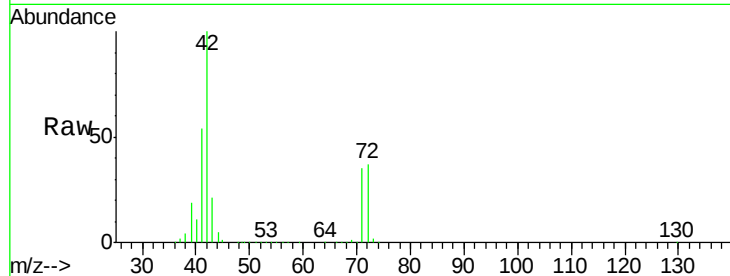
#29
Tetrahydrofuran
Concen: 241.095 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.5	45.7
71	34.8	28.6	43.0

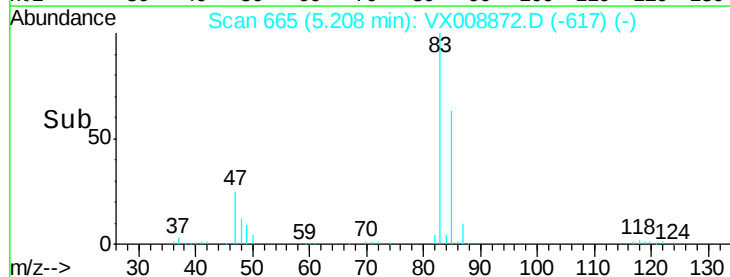
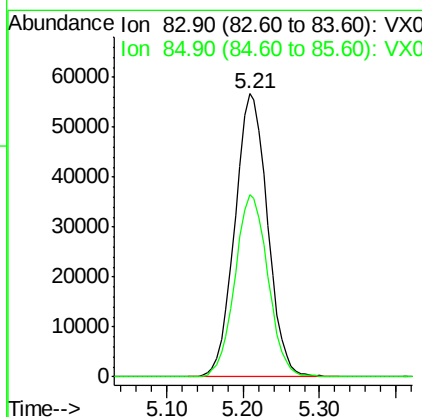
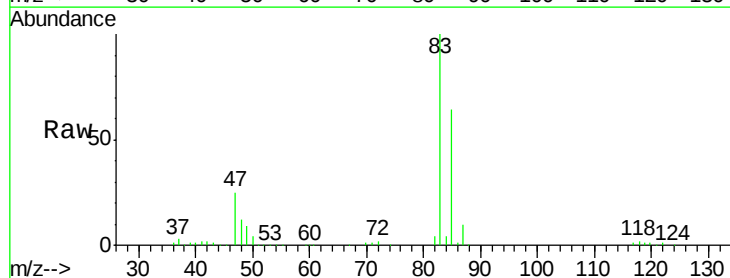
Manual Integrations
APPROVED

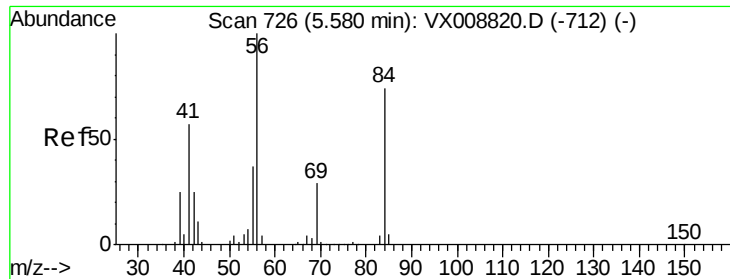
MMDadoda
4/12/2019 9:46:14 AM



#30
Chloroform
Concen: 47.693 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1





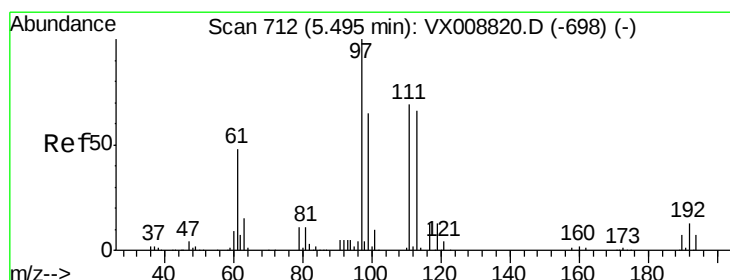
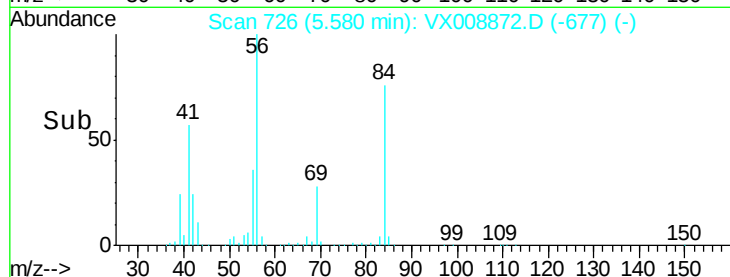
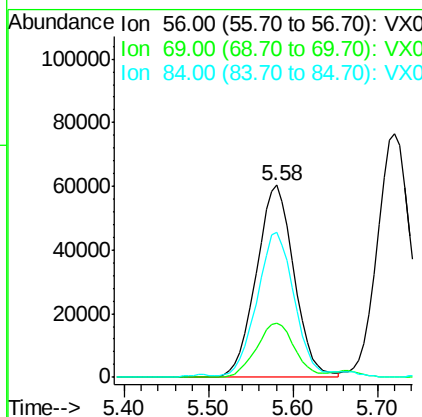
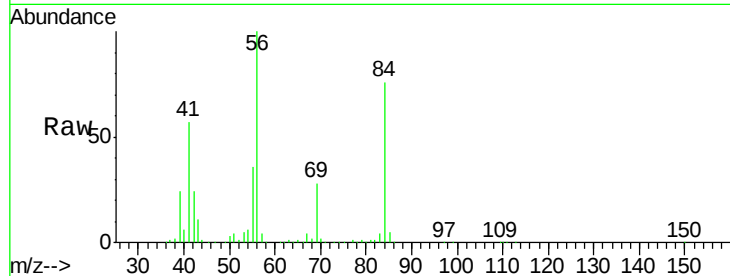
#31
Cyclohexane
Concen: 47.275 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	75.0	59.3	88.9

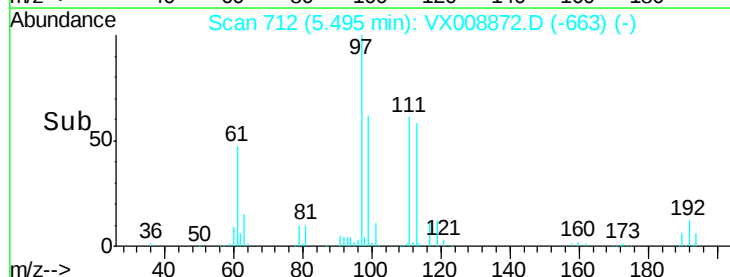
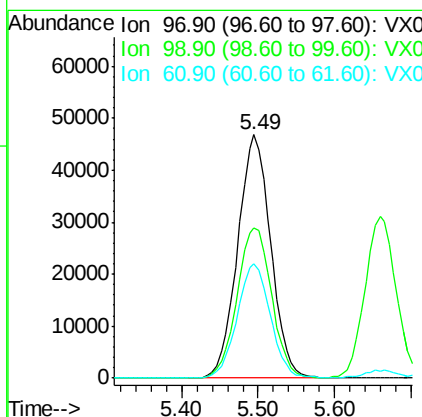
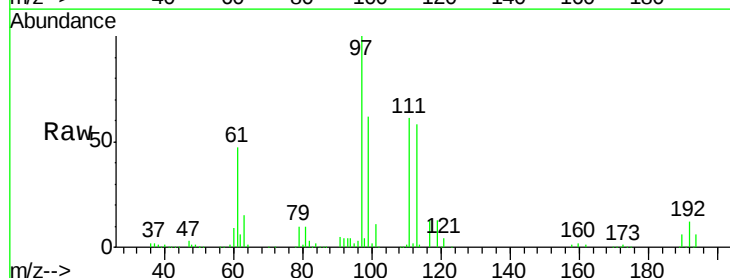
Manual Integrations
APPROVED

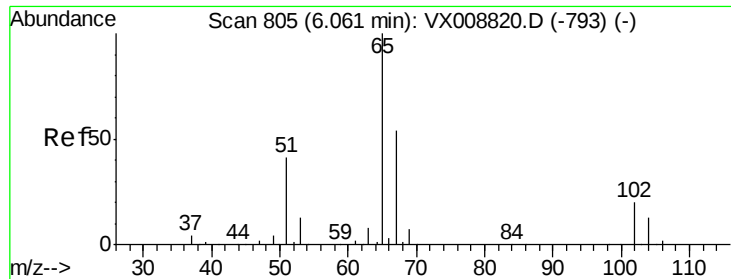
MMDadoda
4/12/2019 9:46:14 AM



#32
1,1,1-Trichloroethane
Concen: 49.354 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	47.4	38.9	58.3





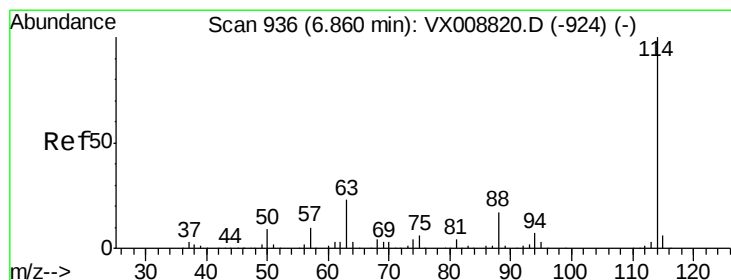
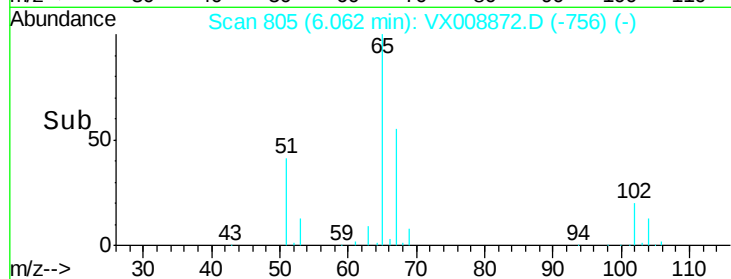
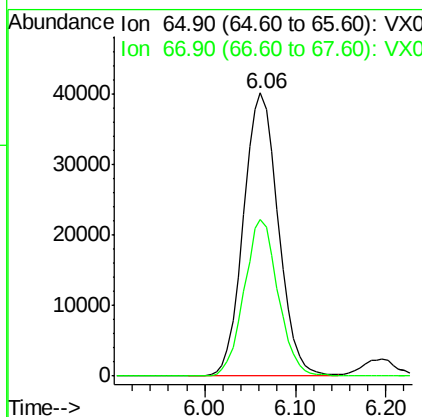
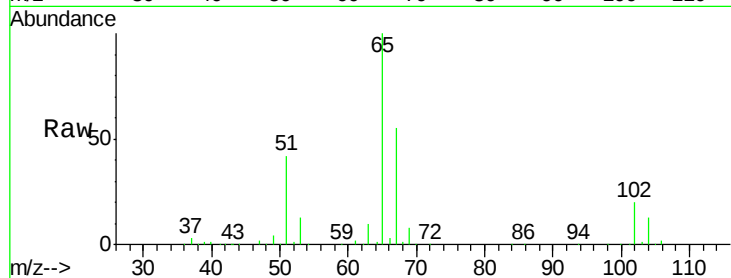
#33
 1,2-Dichloroethane-d4
 Concen: 46.841 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	107.2	

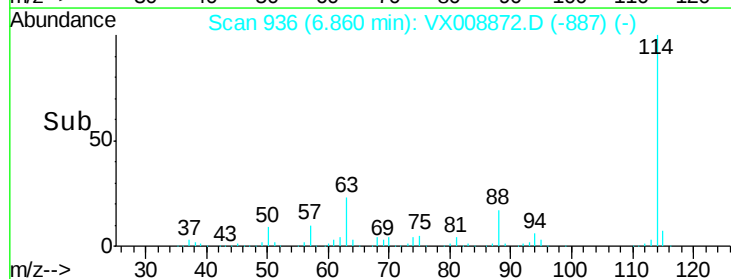
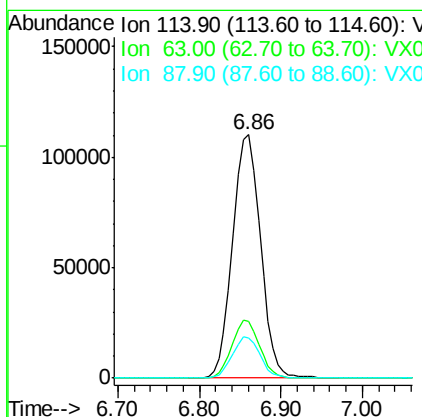
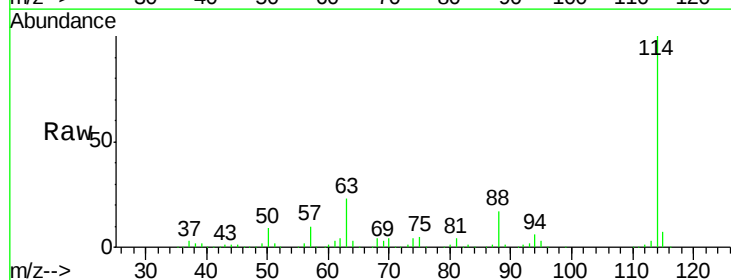
Manual Integrations
 APPROVED

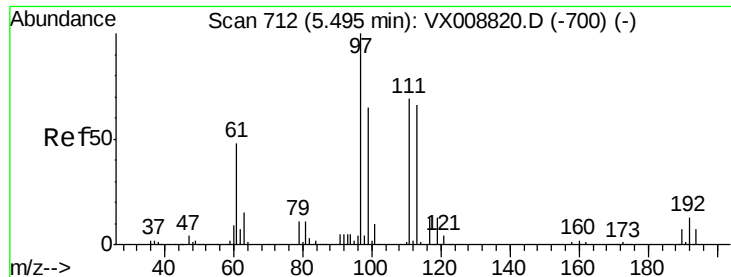
MMDadoda
 4/12/2019 9:46:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	47.2	
88	16.6	0.0	34.0	





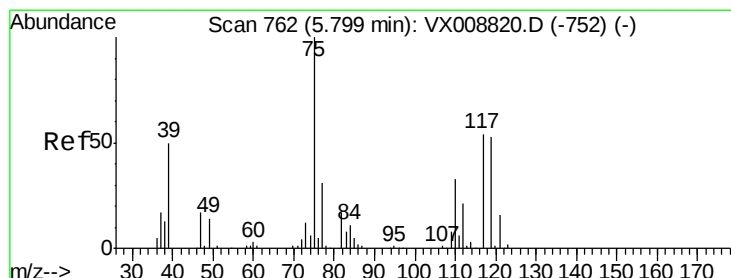
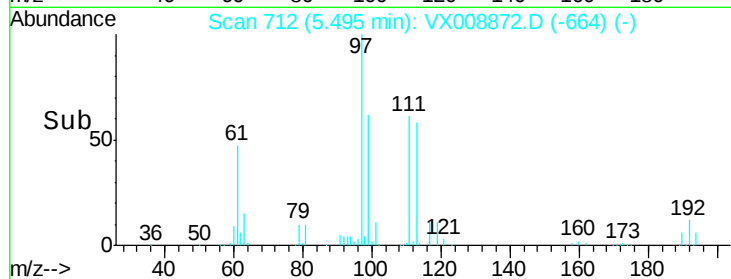
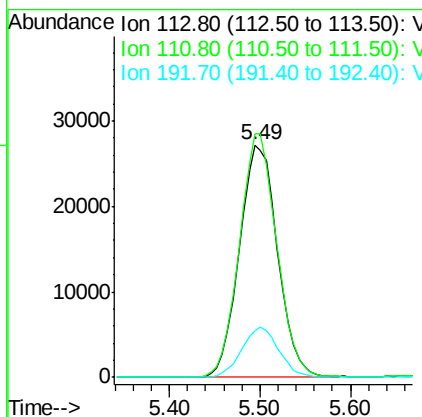
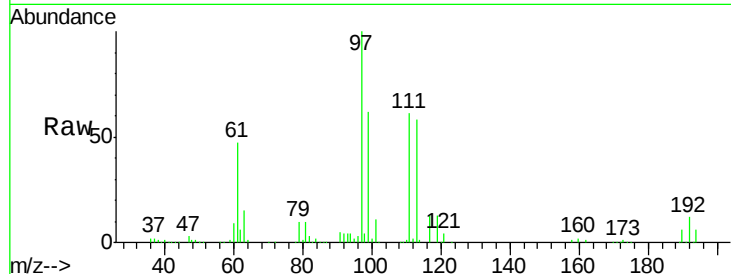
#35
 Dibromofluoromethane
 Concen: 47.291 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	79183		
111	102.6	83.4	125.2	
192	21.1	16.1	24.1	

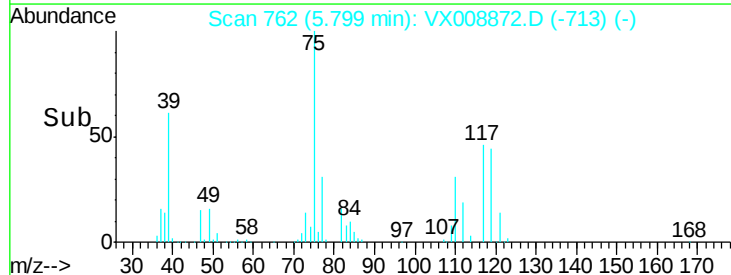
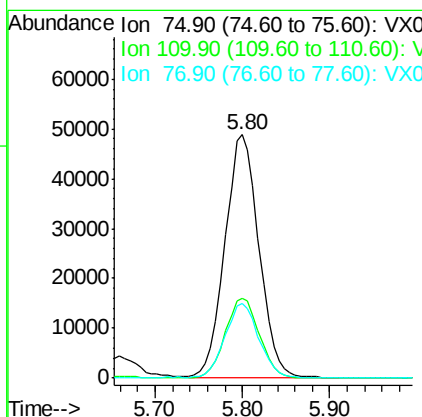
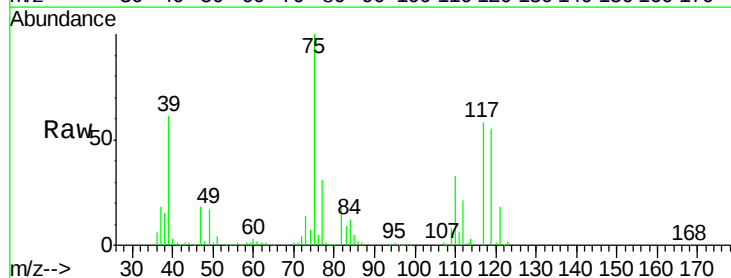
Manual Integrations
 APPROVED

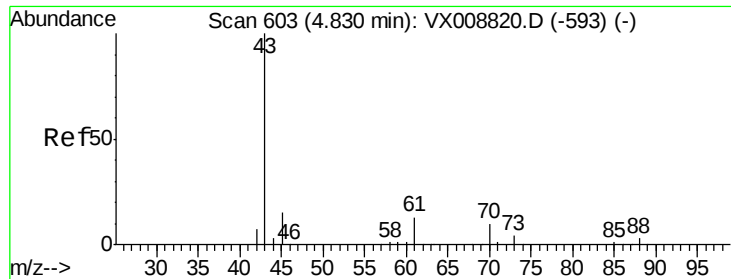
MMDadoda
 4/12/2019 9:46:14 AM



#36
 1,1-Dichloropropene
 Concen: 45.998 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131676		
110	33.1	16.4	49.2	
77	30.6	24.7	37.1	





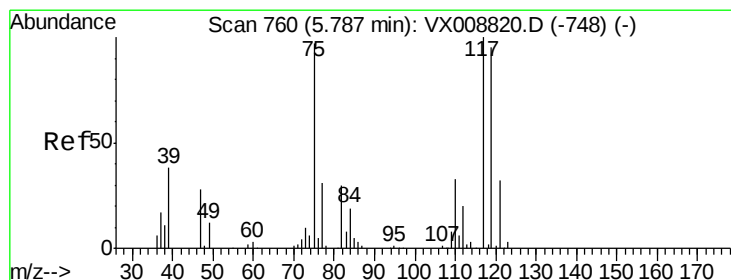
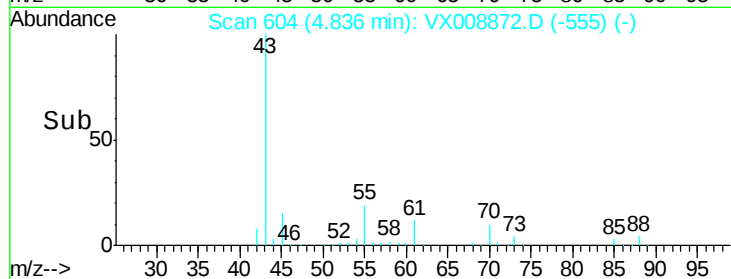
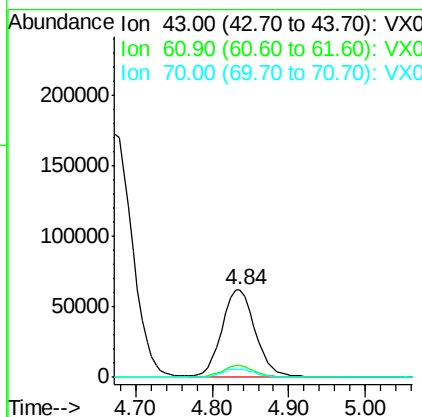
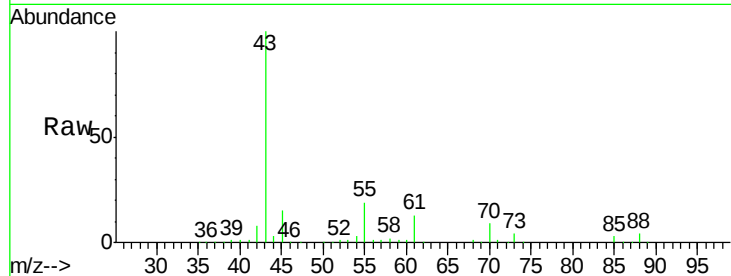
#37
Ethyl Acetate
Concen: 49.322 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	9.6	7.6	11.4

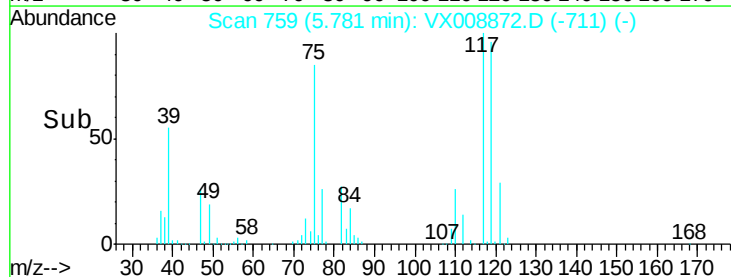
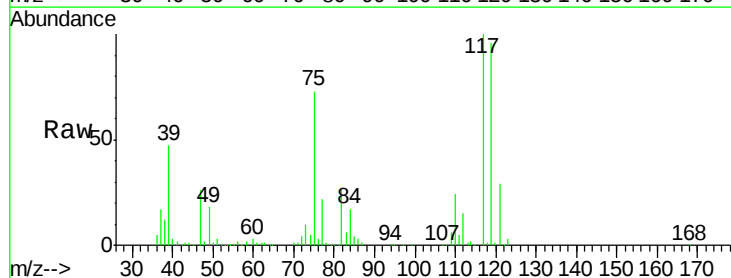
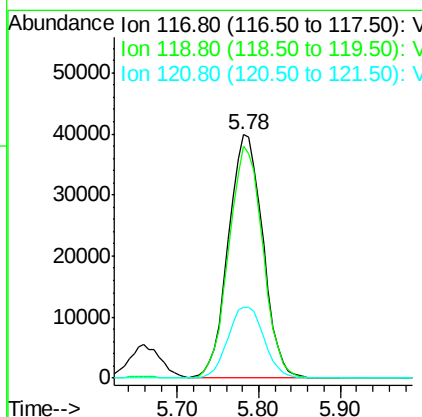
Manual Integrations
APPROVED

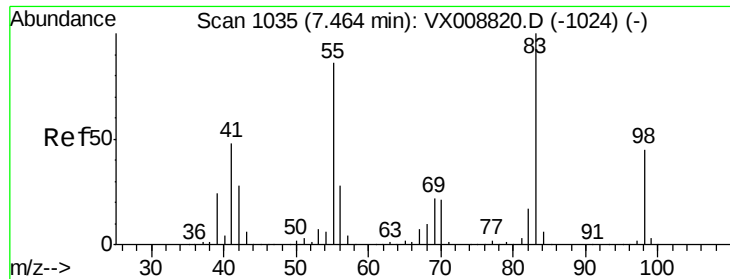
MMDadoda
4/12/2019 9:46:14 AM



#38
Carbon Tetrachloride
Concen: 49.265 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.0	112.6
121	29.2	24.3	36.5





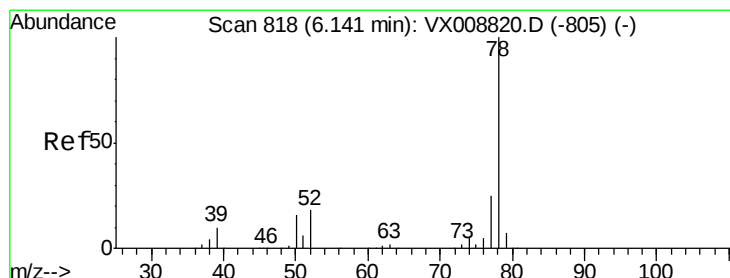
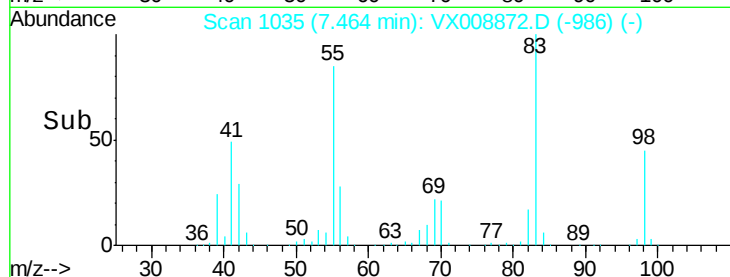
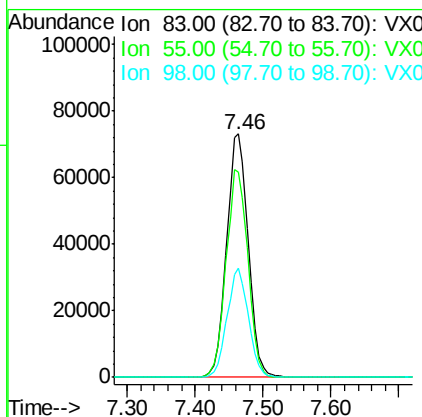
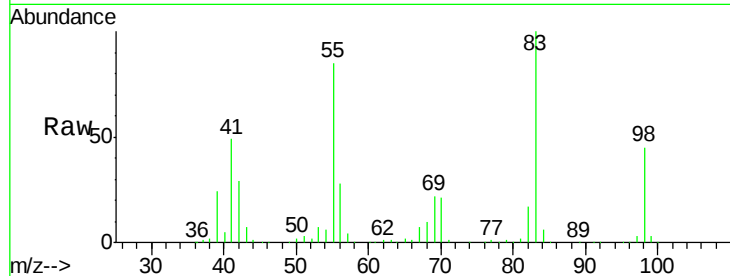
#39
Methylvlcvclohexane
Concen: 45.524 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	69.0	103.6
98	44.7	34.4	51.6

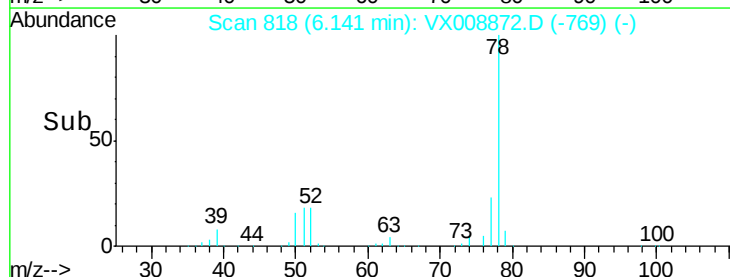
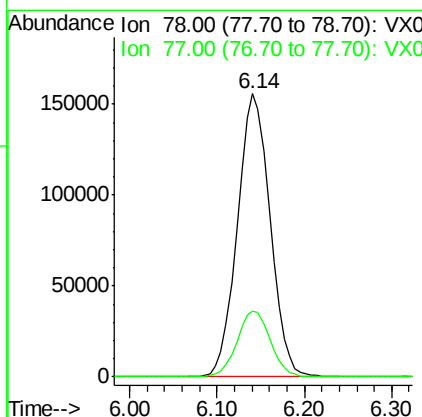
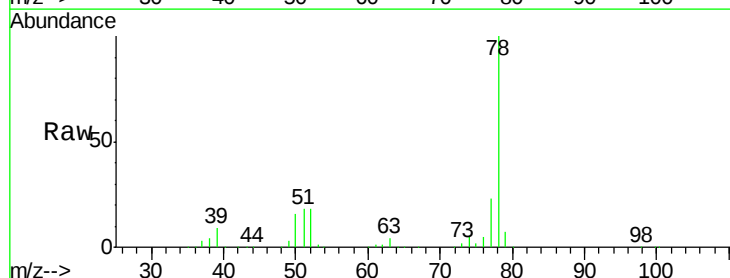
Manual Integrations
APPROVED

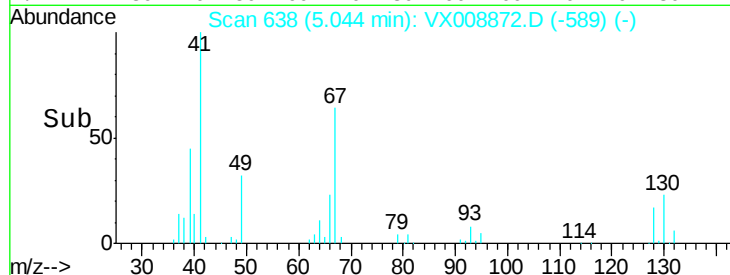
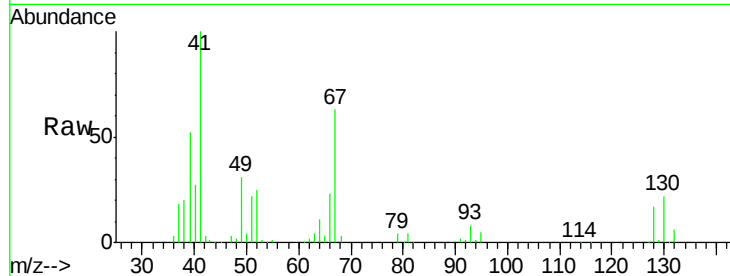
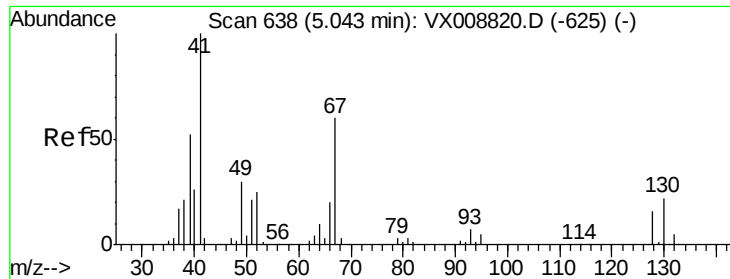
MMDadoda
4/12/2019 9:46:14 AM



#40
Benzene
Concen: 47.587 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

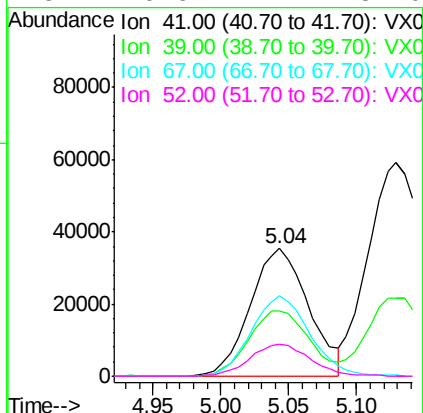
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41
Methacrylonitrile
Concen: 48.127 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

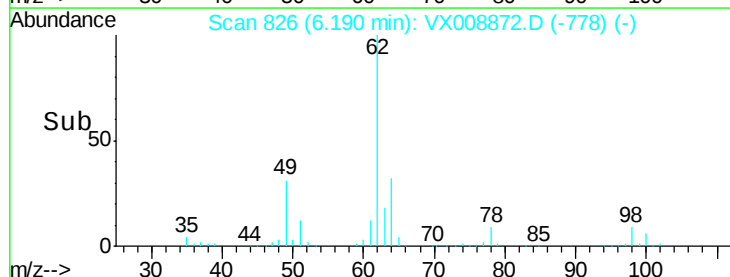
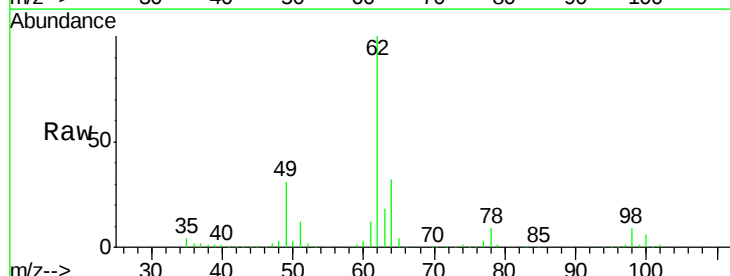
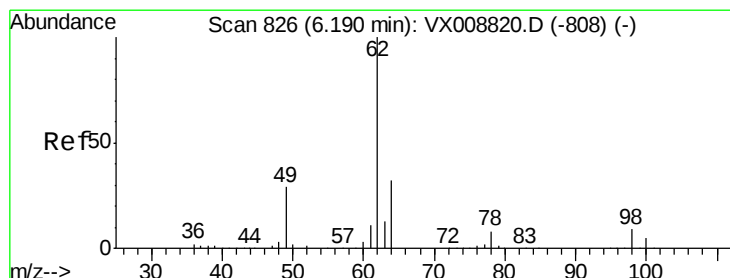
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	42.1	63.1	
67	63.2	51.0	76.6	
52	26.6	21.4	32.0	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

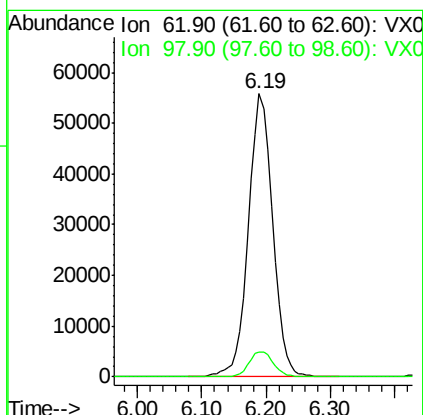
Manual Integrations
APPROVED

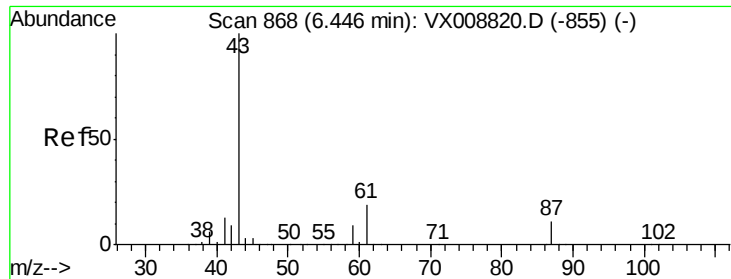
MMDadoda
4/12/2019 9:46:14 AM



#42
1,2-Dichloroethane
Concen: 47.017 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.0	





#43

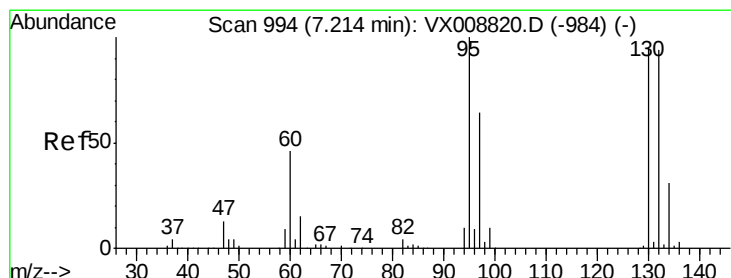
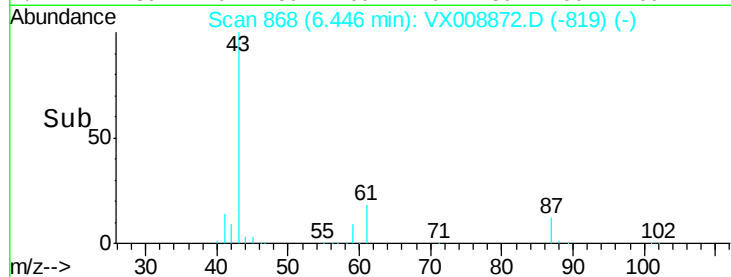
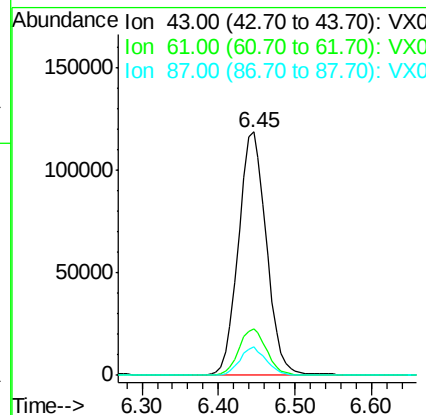
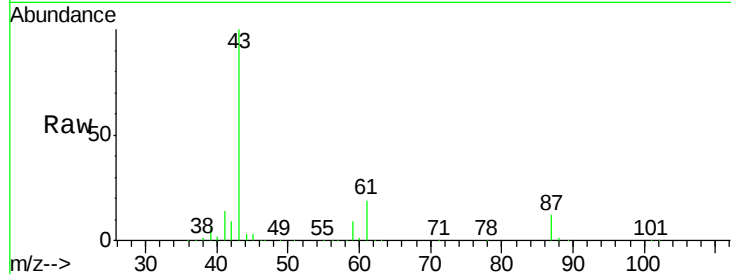
Isopropyl Acetate
 Concen: 50.203 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.1	9.0	13.6

Manual Integrations
 APPROVED

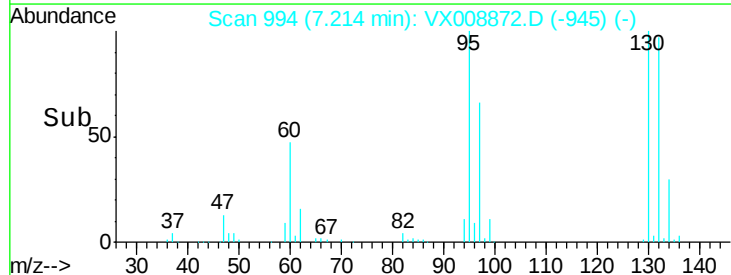
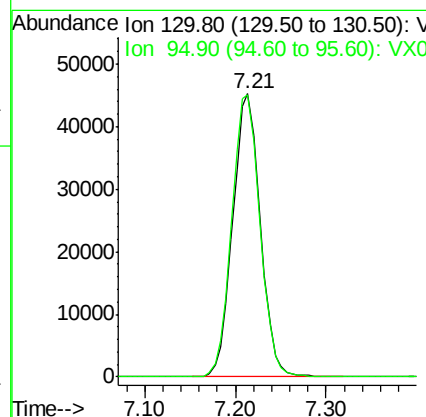
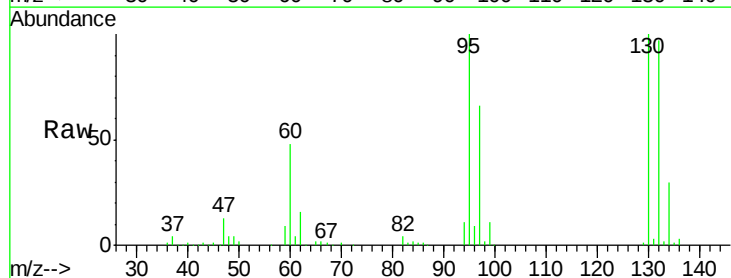
MMDadoda
 4/12/2019 9:46:14 AM

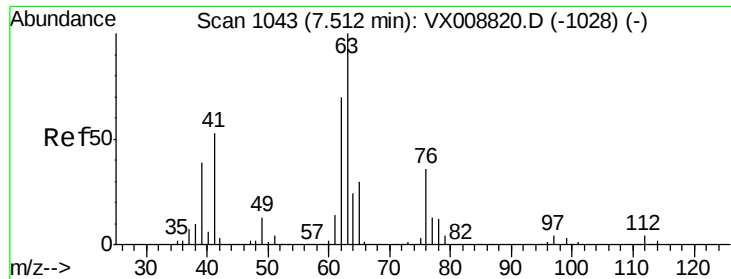


#44

Trichloroethene
 Concen: 48.062 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	209.8





#45

1,2-Dichloropropane

Concen: 47.487 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 115589

Ion Ratio Lower Upper

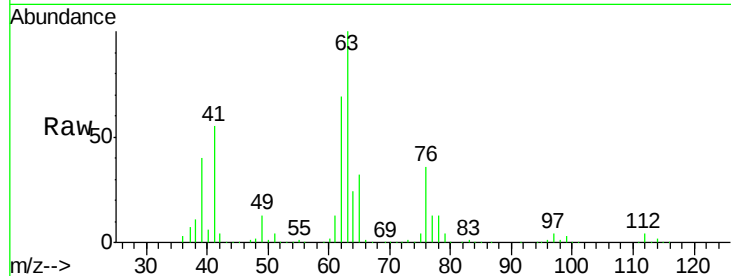
63 100

65 31.5 24.2 36.4

Manual Integrations
APPROVED

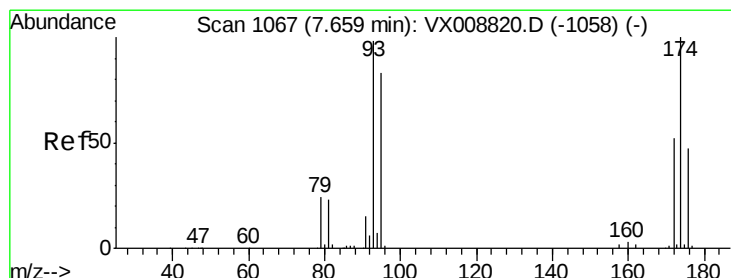
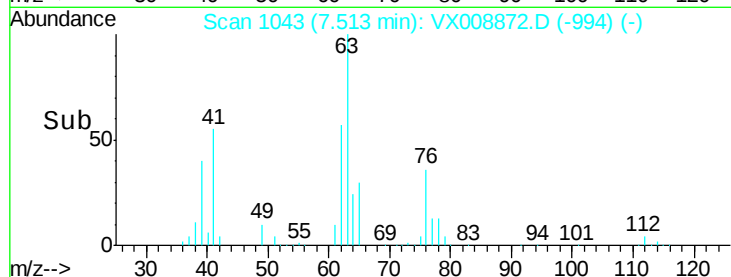
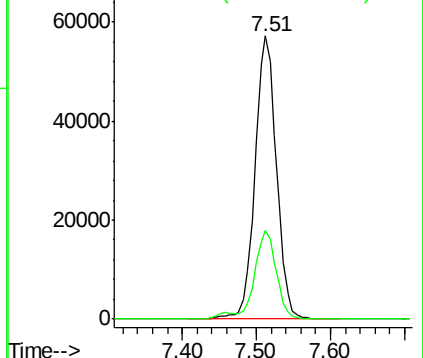
MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.348 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

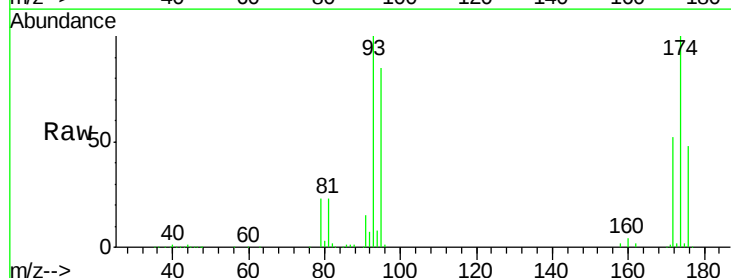
Tgt Ion: 93 Resp: 65433

Ion Ratio Lower Upper

93 100

95 83.4 66.6 99.8

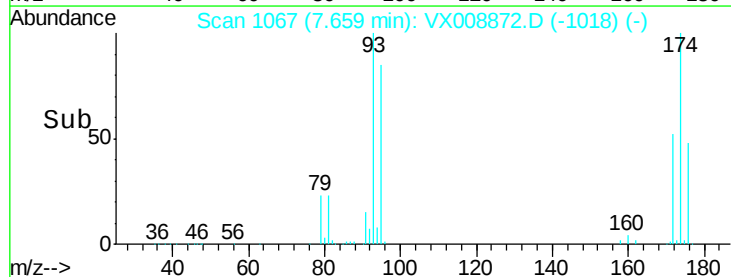
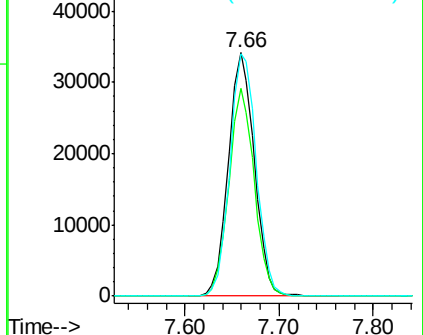
174 100.9 77.7 116.5

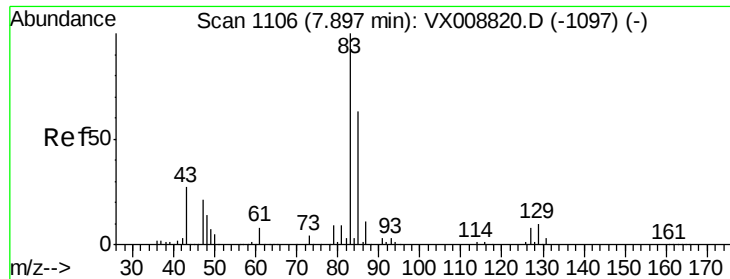


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.897 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 130157

Ion Ratio Lower Upper

83 100

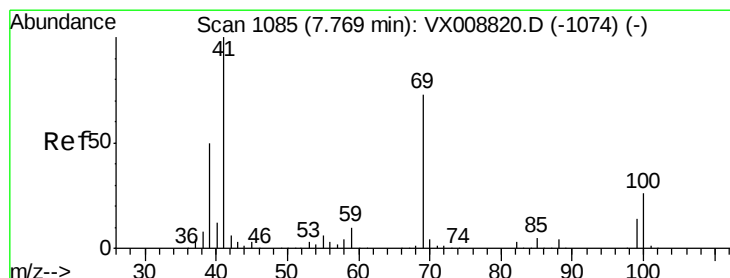
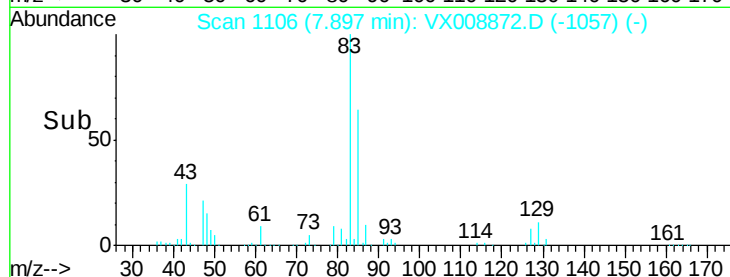
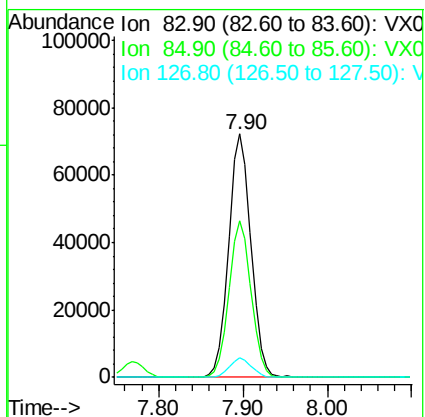
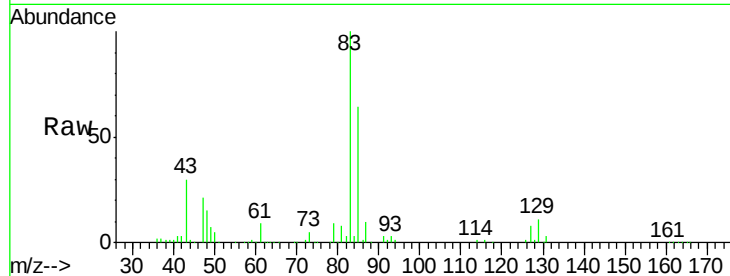
85 64.2 51.2 76.8

127 7.9 6.6 10.0

Manual Integrations
APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#48

Methyl methacrylate

Concen: 50.293 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

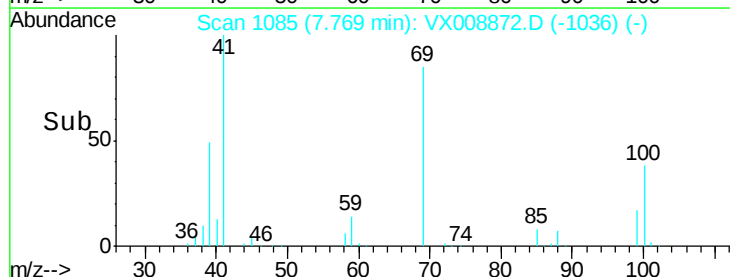
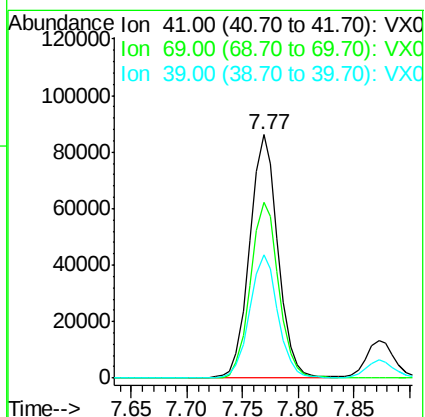
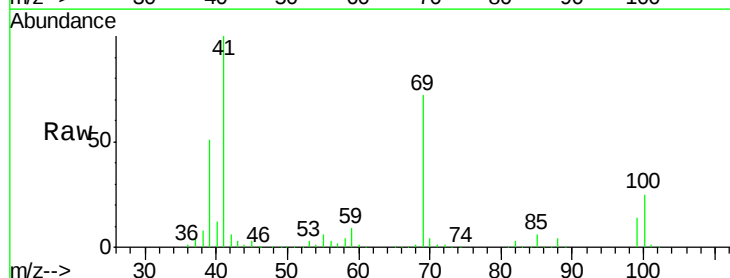
Tgt Ion: 41 Resp: 152280

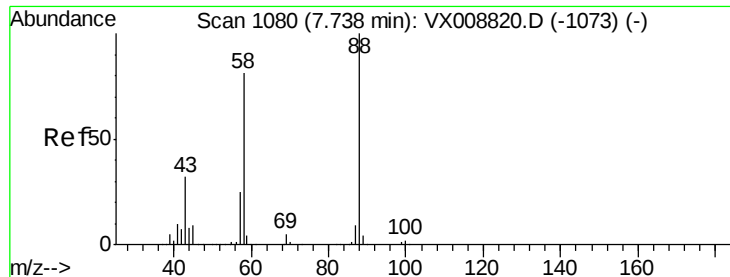
Ion Ratio Lower Upper

41 100

69 72.6 59.0 88.4

39 50.4 41.0 61.4





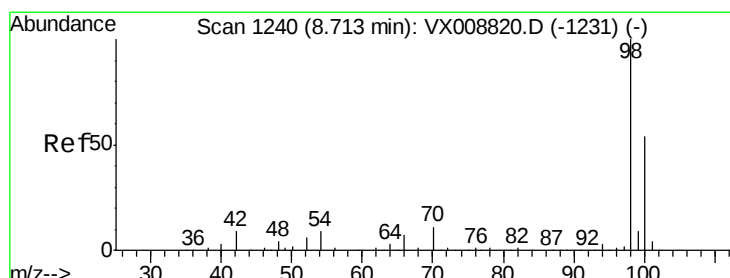
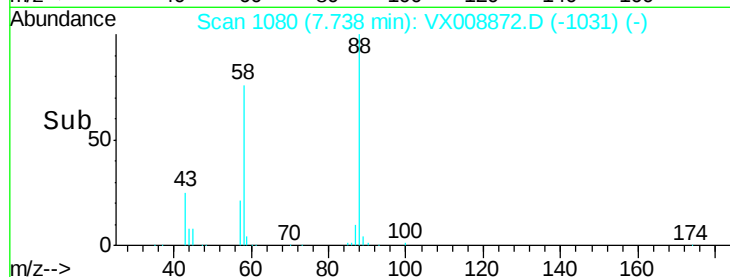
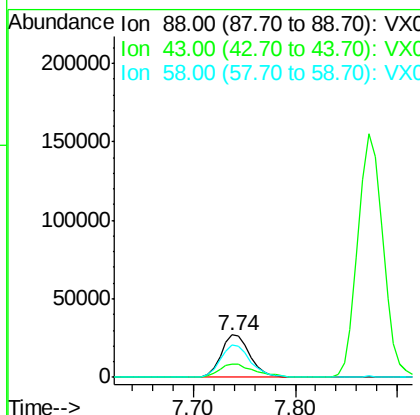
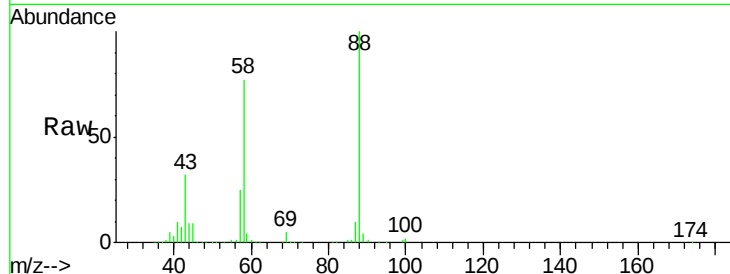
#49
 1,4-Dioxane
 Concen: 944.639 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.6	43.0
58	80.0	62.2	93.2

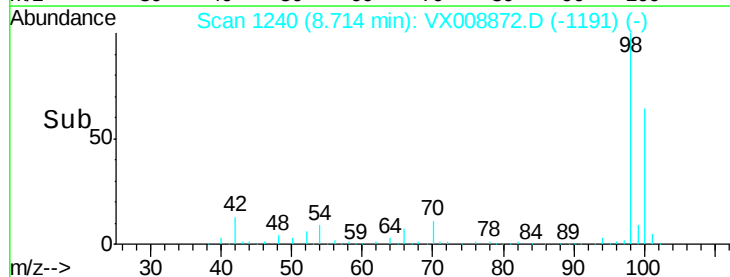
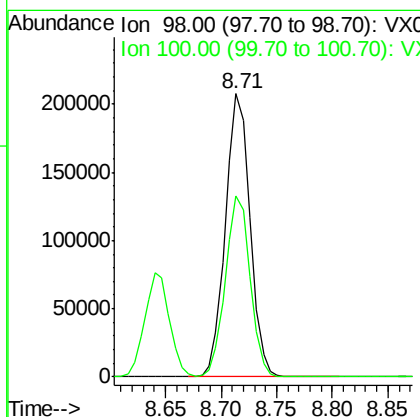
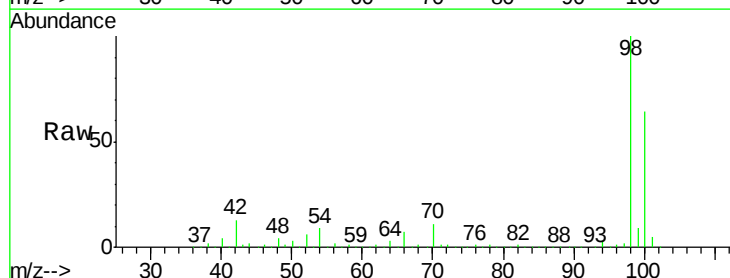
Manual Integrations
 APPROVED

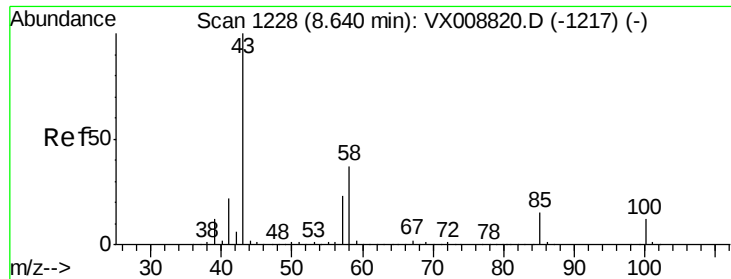
MMDadoda
 4/12/2019 9:46:14 AM



#50
 Toluene-d8
 Concen: 47.804 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 251.954 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 970826

Ion Ratio Lower Upper

43 100

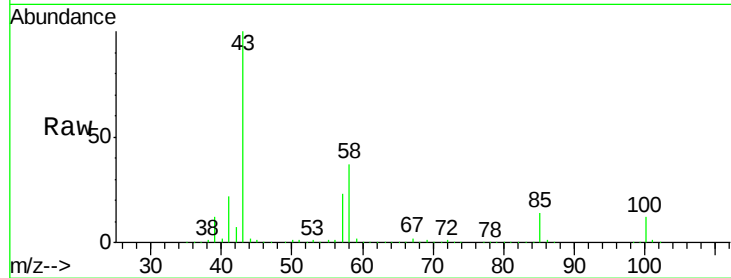
58 36.9 29.5 44.3

Manual Integrations

APPROVED

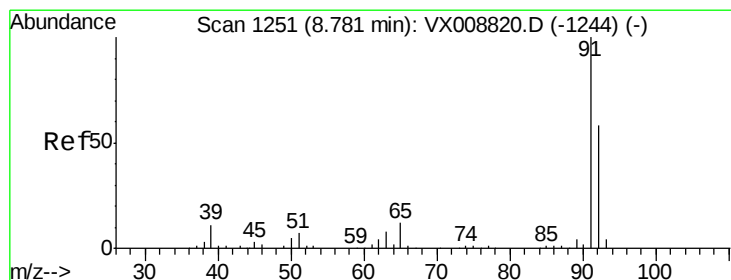
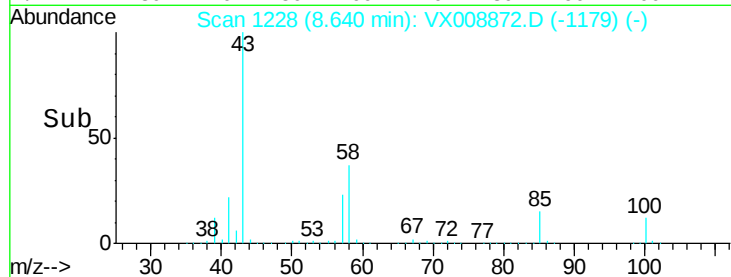
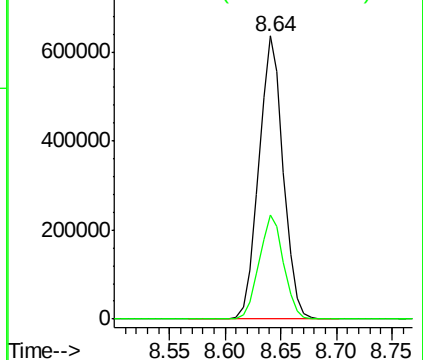
MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.653 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008872.D

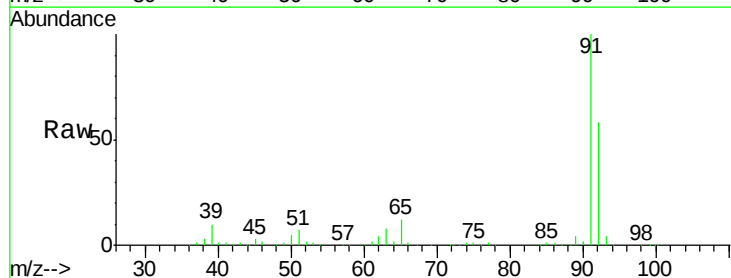
Acq: 11 Apr 2019 23:06

Tgt Ion: 92 Resp: 244617

Ion Ratio Lower Upper

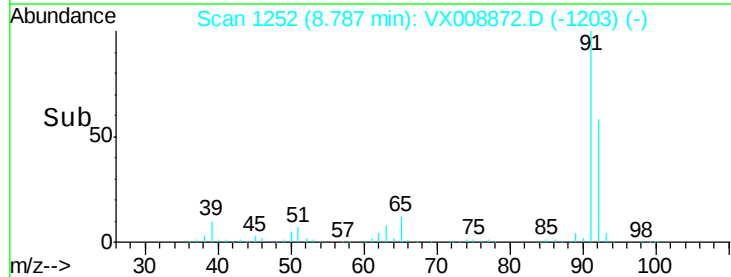
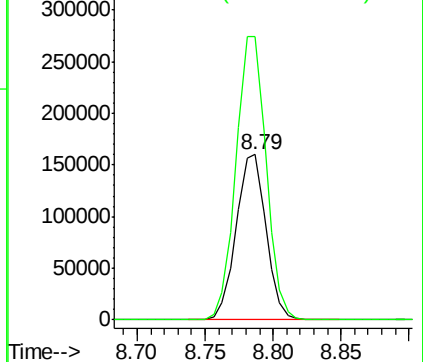
92 100

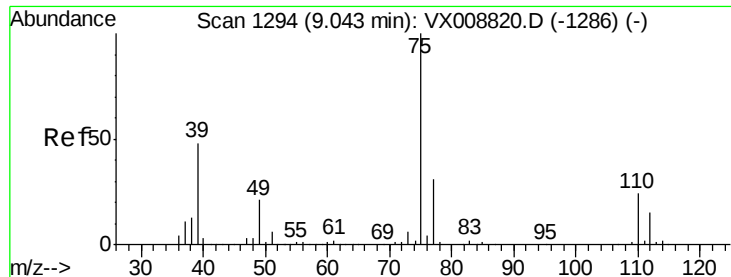
91 174.1 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





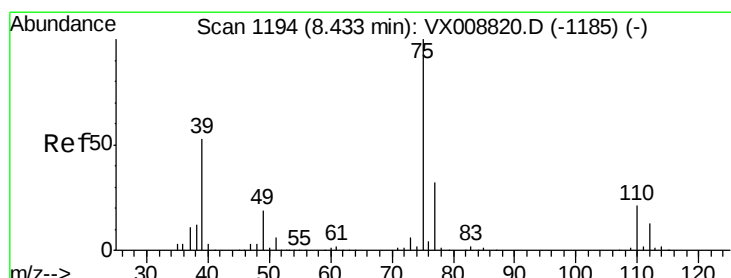
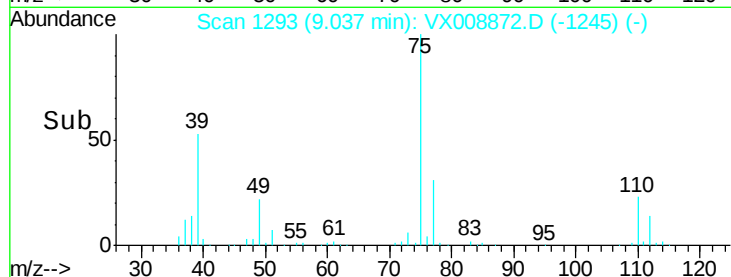
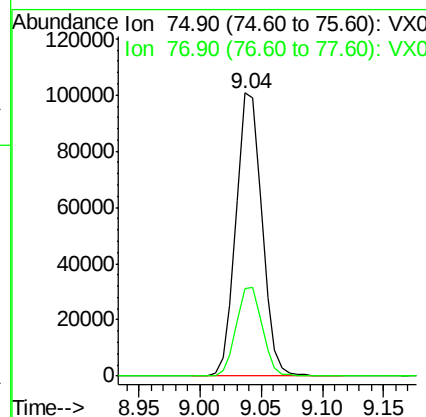
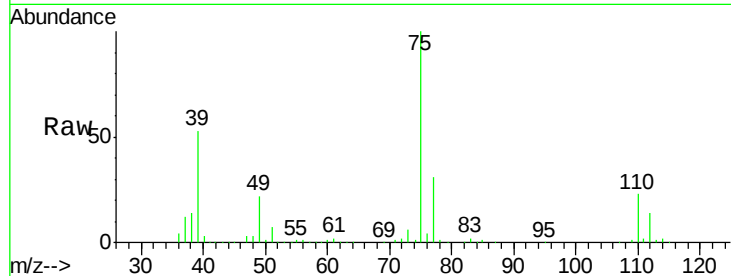
#53
t-1,3-Dichloropropene
Concen: 49.472 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 147512
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

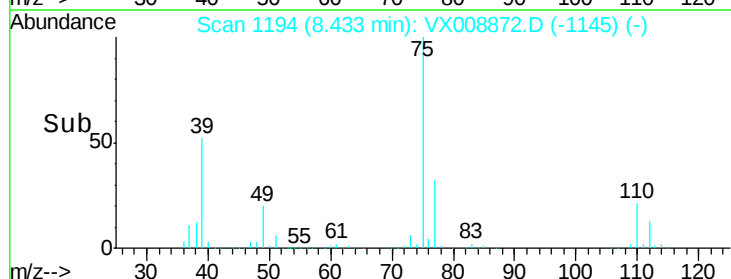
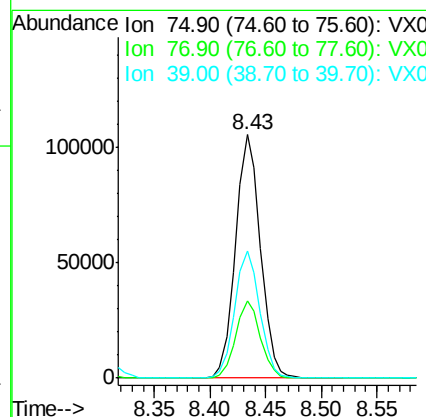
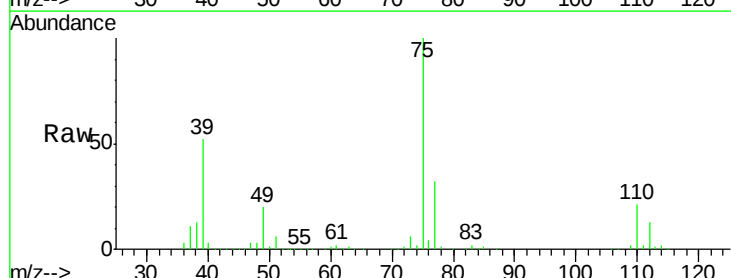
Manual Integrations
APPROVED

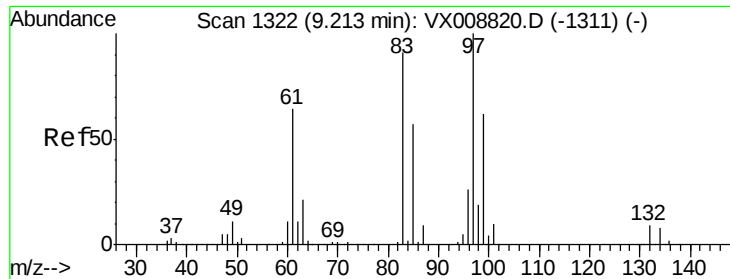
MMDadoda
4/12/2019 9:46:14 AM



#54
cis-1,3-Dichloropropene
Concen: 47.958 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion: 75 Resp: 163396
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 52.4 42.6 63.8





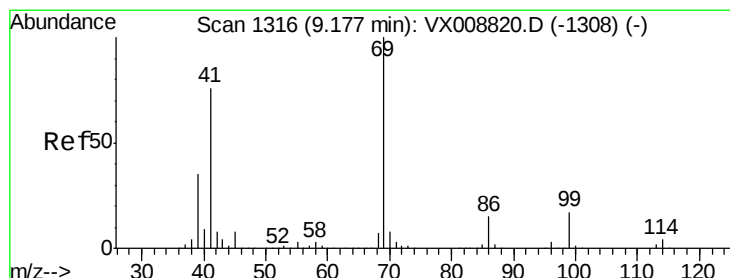
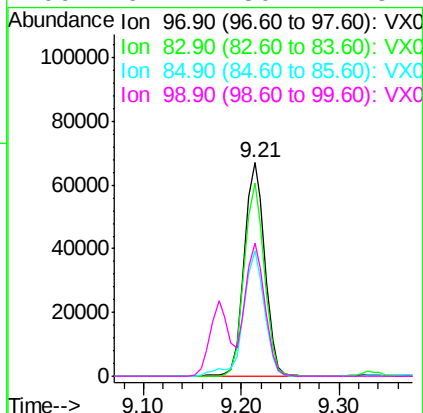
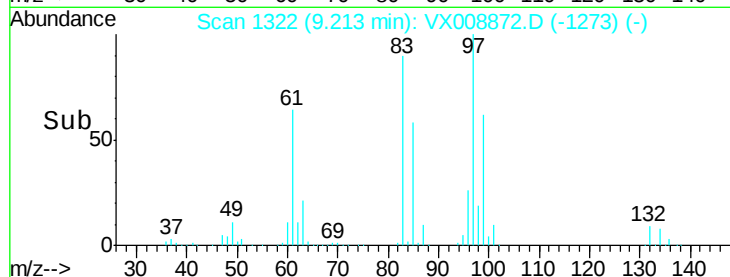
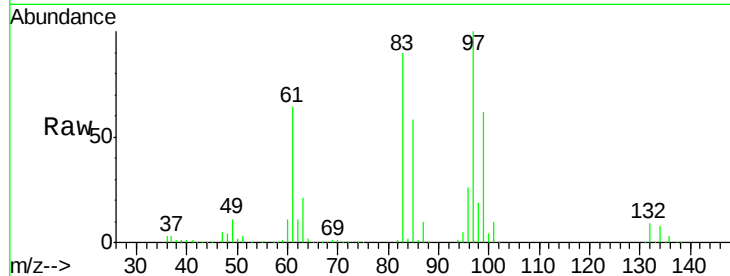
#55
 1,1,2-Trichloroethane
 Concen: 48.660 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98206
Ion	Ratio	Lower	Upper
97	100		
83	90.4	73.2	109.8
85	58.5	46.6	69.8
99	62.2	50.1	75.1

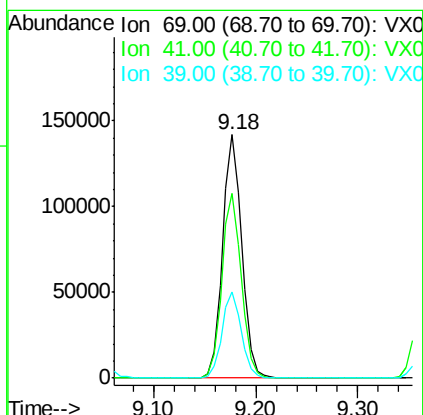
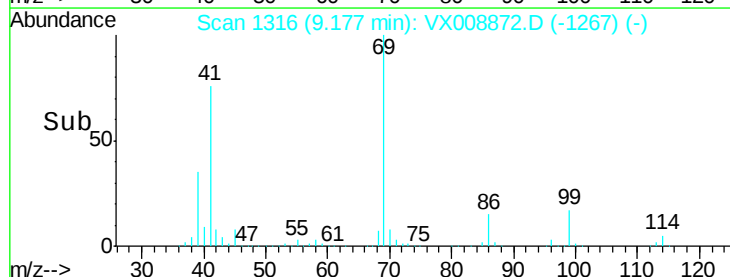
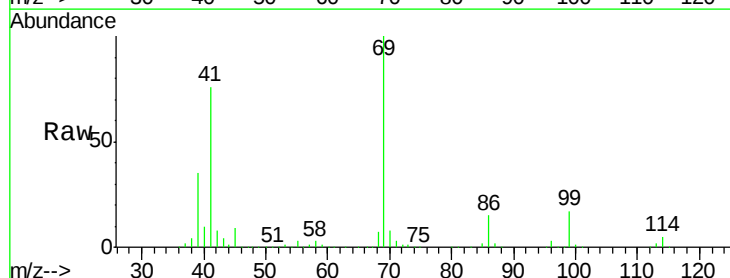
Manual Integrations
 APPROVED

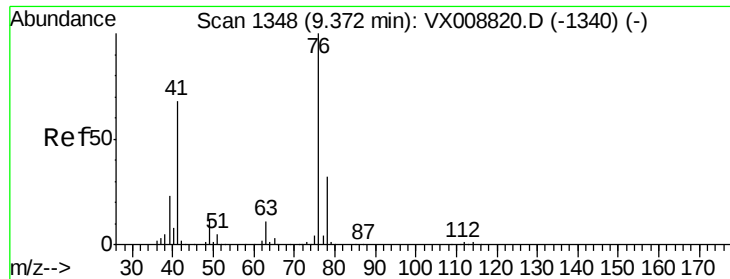
MMDadoda
 4/12/2019 9:46:14 AM



#56
 Ethyl methacrylate
 Concen: 51.164 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion:	69	Resp:	186830
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.1	90.1
39	35.3	28.9	43.3





#57

1,3-Dichloropropane

Concen: 48.287 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 174991

Ion Ratio Lower Upper

76 100

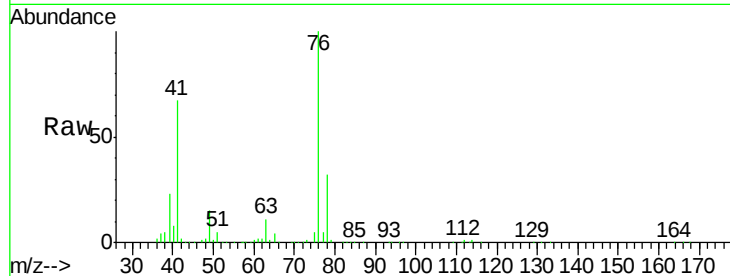
78 32.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

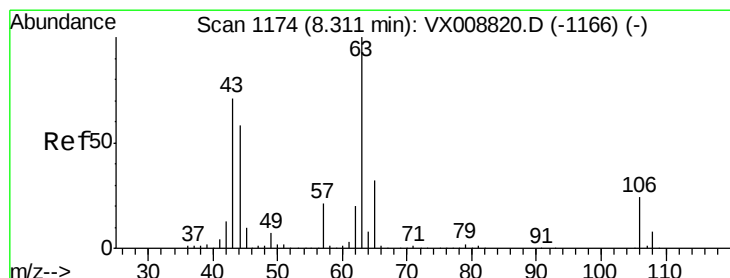
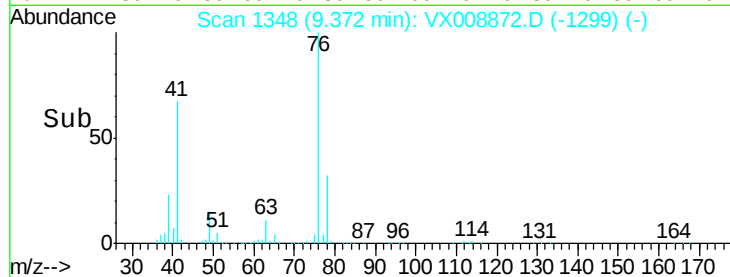
9.37

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.693 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008872.D

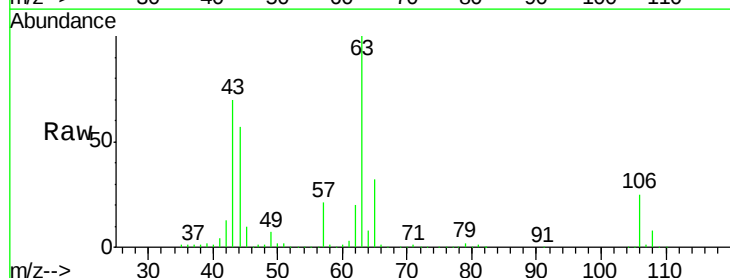
Acq: 11 Apr 2019 23:06

Tgt Ion: 63 Resp: 458109

Ion Ratio Lower Upper

63 100

106 24.4 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

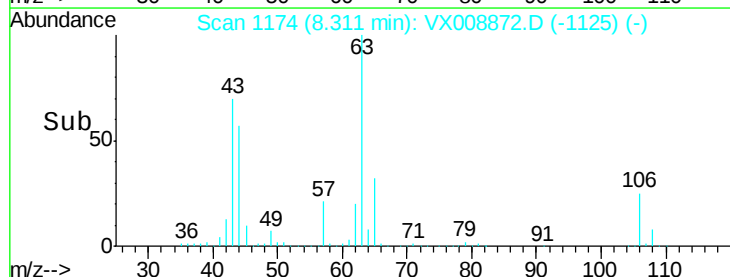
300000

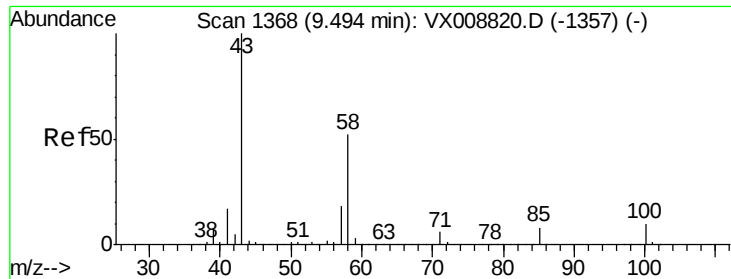
200000

100000

0

Time-->





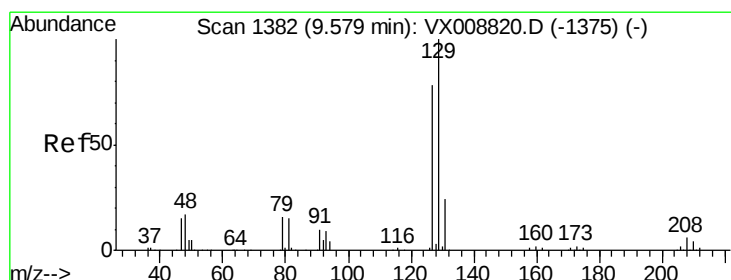
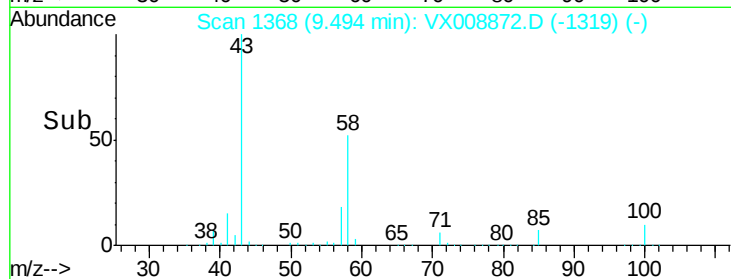
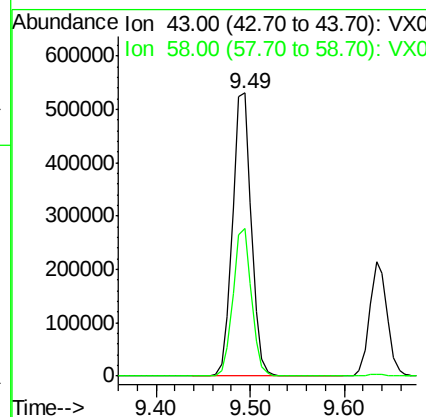
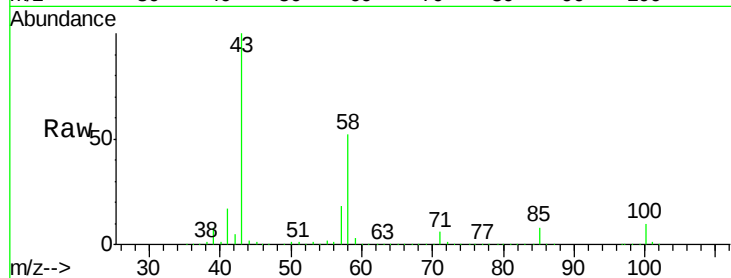
#59
2-Hexanone
Concen: 245.114 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 733992
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

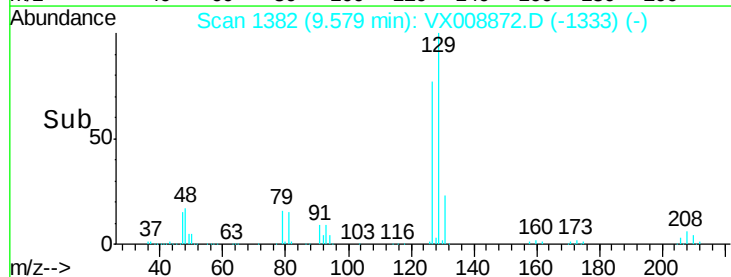
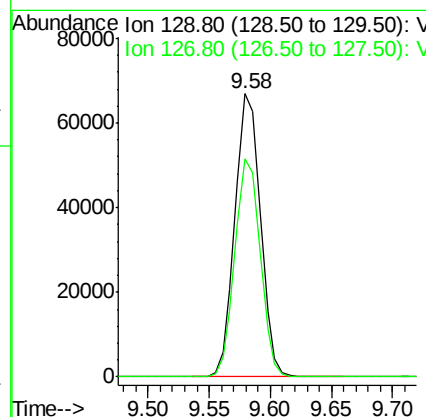
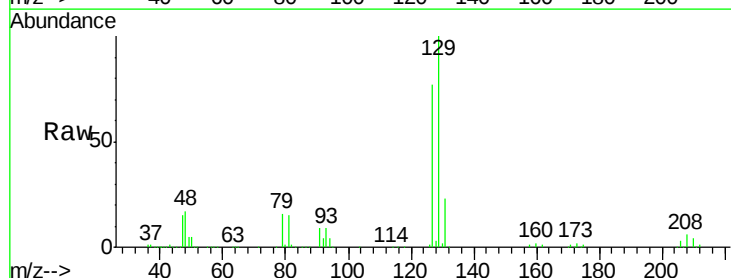
Manual Integrations
APPROVED

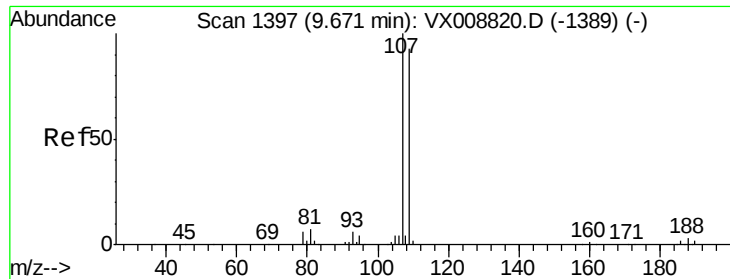
MMDadoda
4/12/2019 9:46:14 AM



#60
Dibromochloromethane
Concen: 50.683 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion: 129 Resp: 96388
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 48.115 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 101091

Ion Ratio Lower Upper

107 100

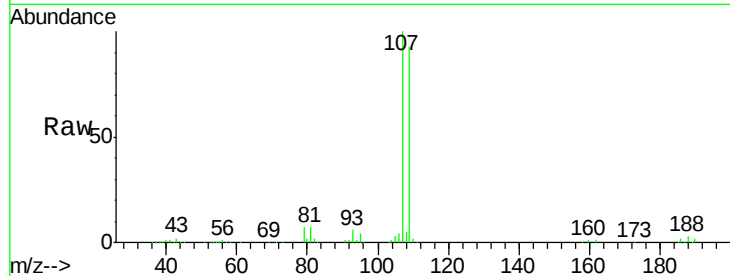
109 93.7 74.1 111.1

Manual Integrations

APPROVED

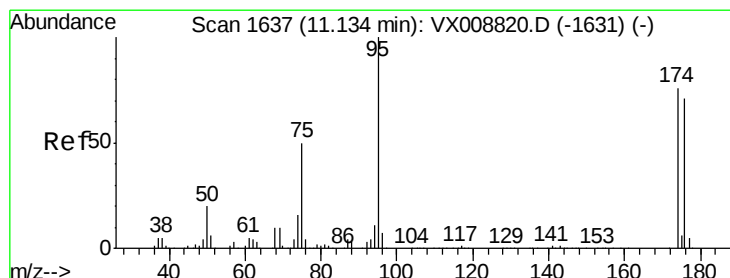
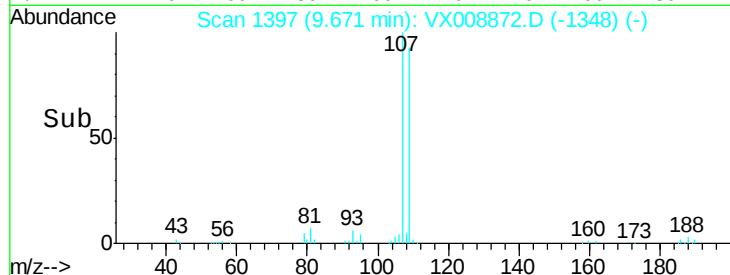
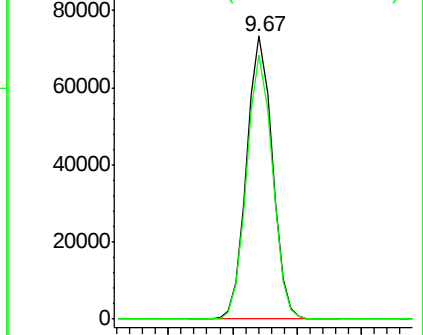
MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.244 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

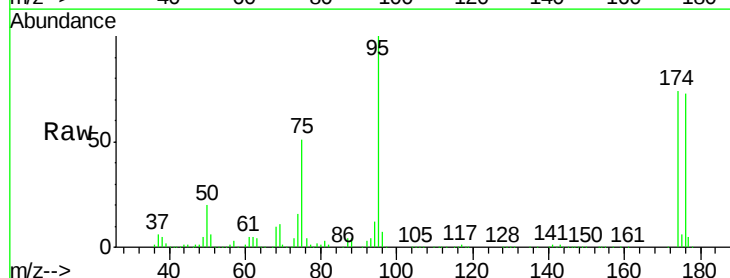
Tgt Ion: 95 Resp: 116423

Ion Ratio Lower Upper

95 100

174 78.9 0.0 151.8

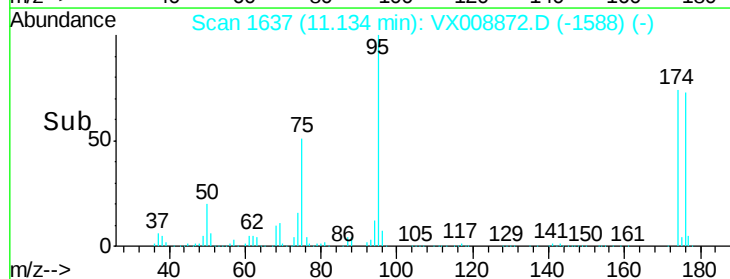
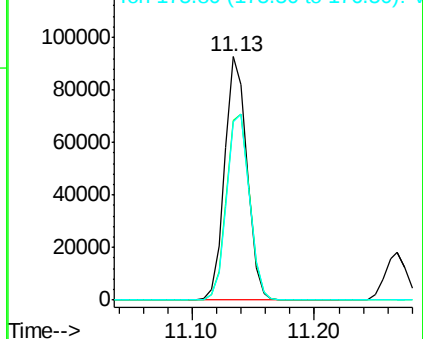
176 77.8 0.0 145.8

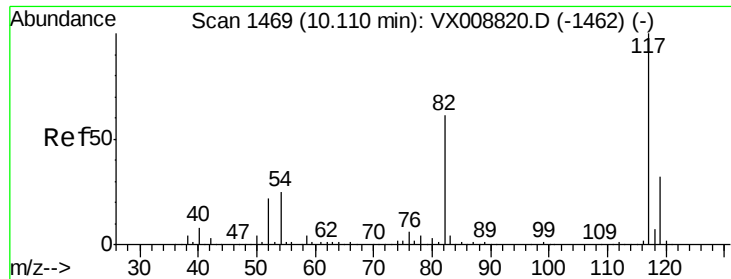


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





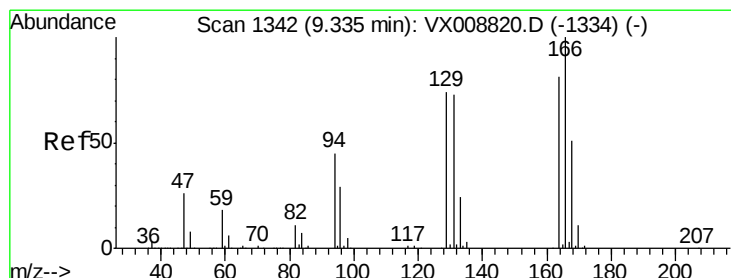
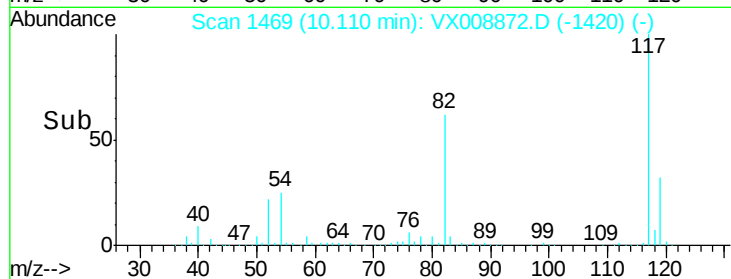
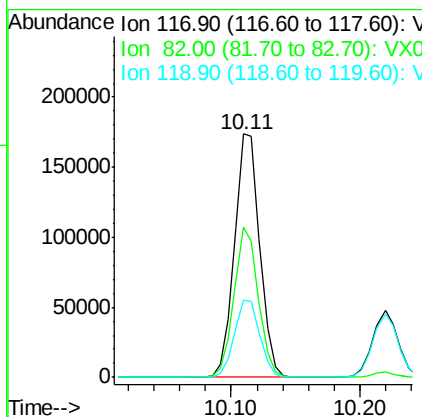
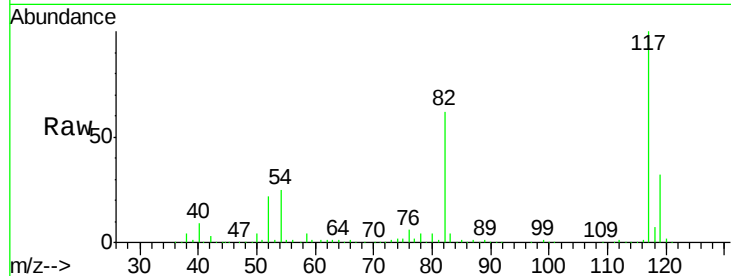
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.6	74.4
119	31.8	25.0	37.4

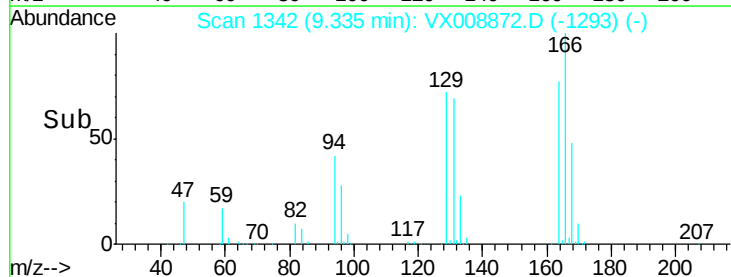
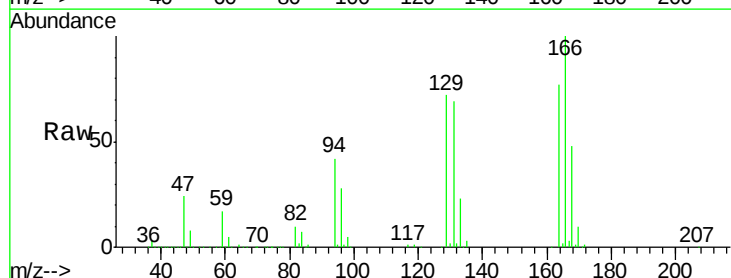
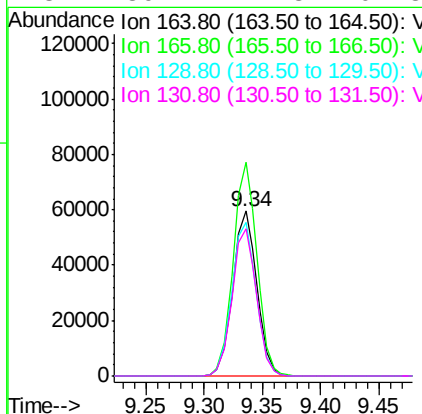
Manual Integrations
APPROVED

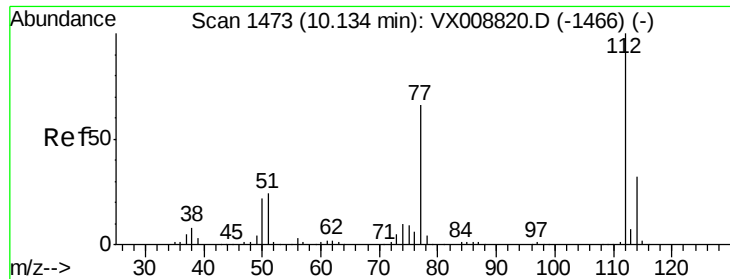
MMDadoda
4/12/2019 9:46:14 AM



#64
Tetrachloroethene
Concen: 48.718 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.0	151.6
129	93.4	75.8	113.8
131	89.1	71.8	107.8





#65

Chlorobenzene

Concen: 47.594 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 250529

Ion Ratio Lower Upper

112 100

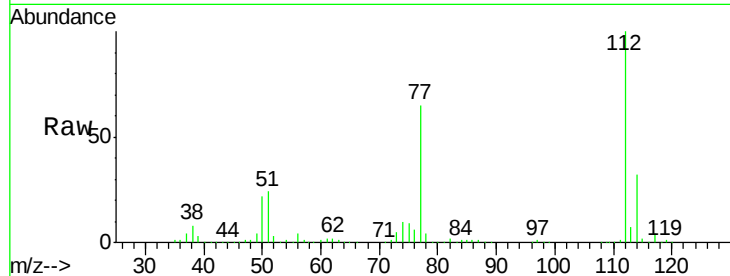
114 31.9 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

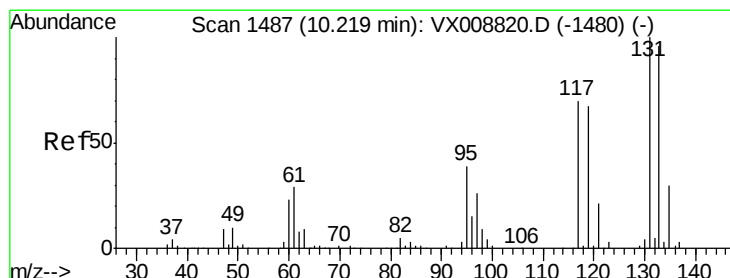
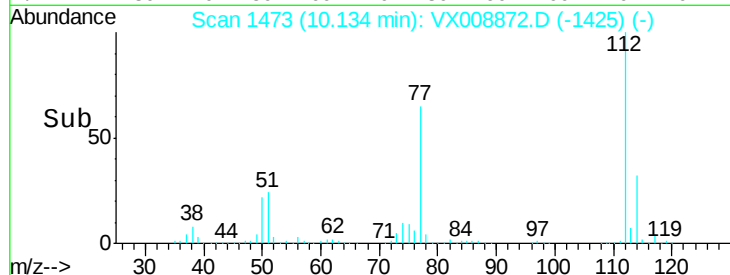
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 48.318 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

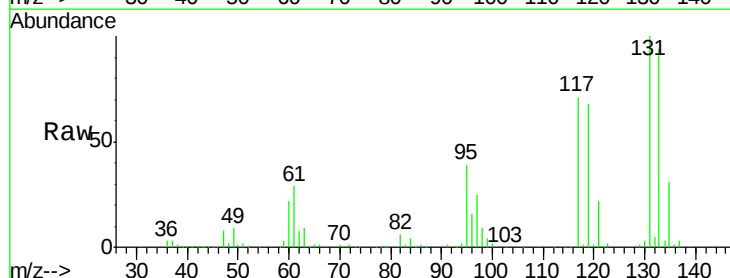
Tgt Ion:131 Resp: 89227

Ion Ratio Lower Upper

131 100

133 95.3 47.0 141.2

119 68.2 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

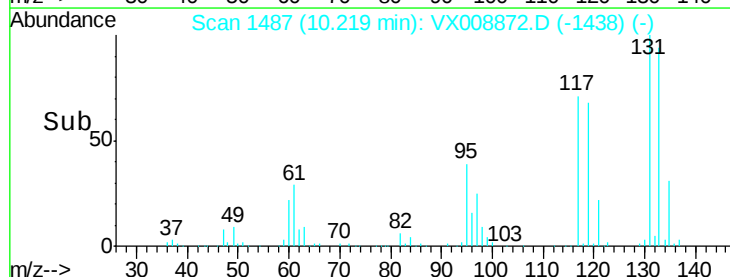
60000

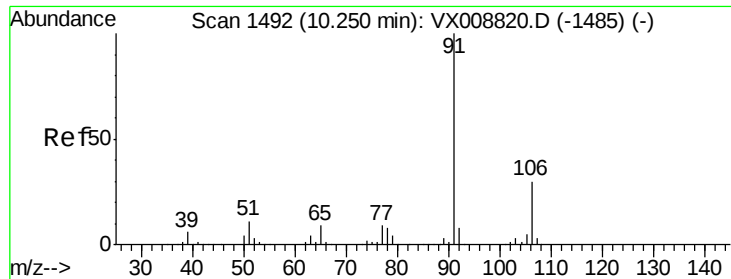
40000

20000

0

Time--> 10.15 10.20 10.25





#67

Ethyl Benzene

Concen: 47.595 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 467159

Ion Ratio Lower Upper

91 100

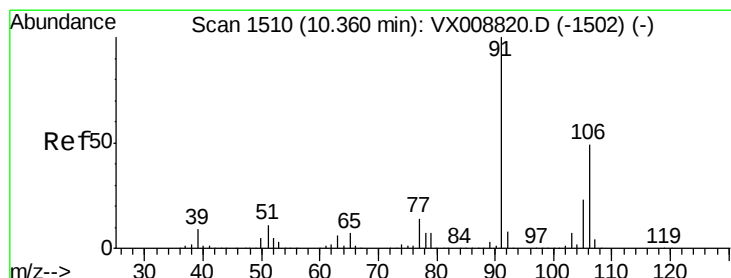
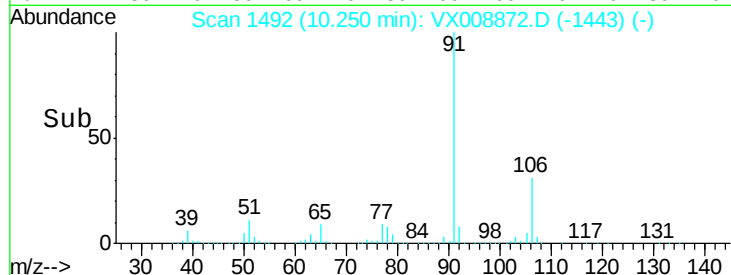
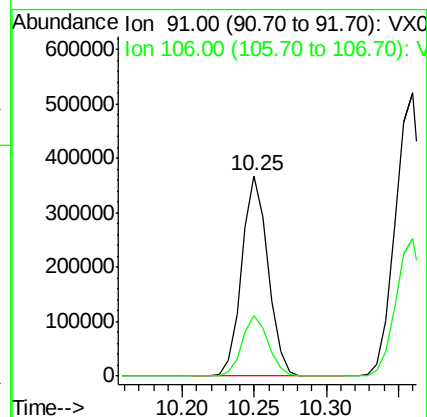
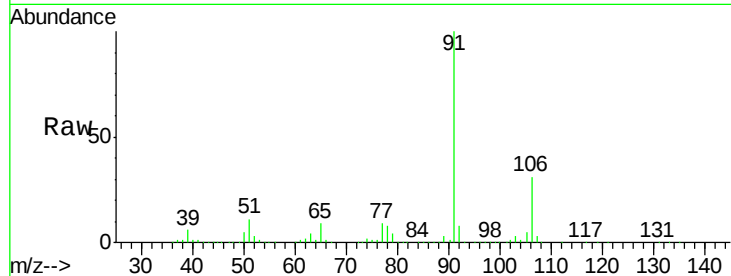
106 30.5 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#68

m/p-Xylenes

Concen: 96.372 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008872.D

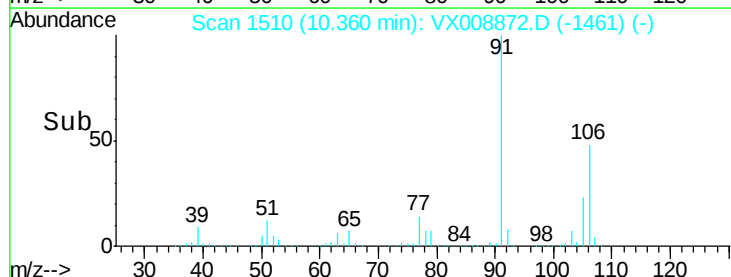
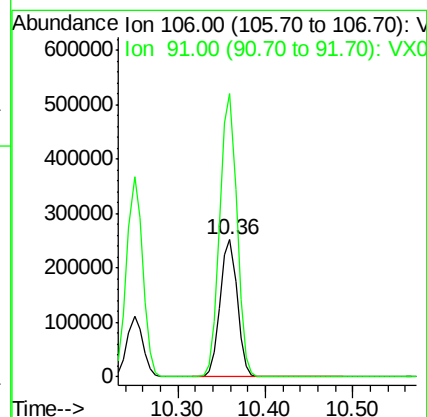
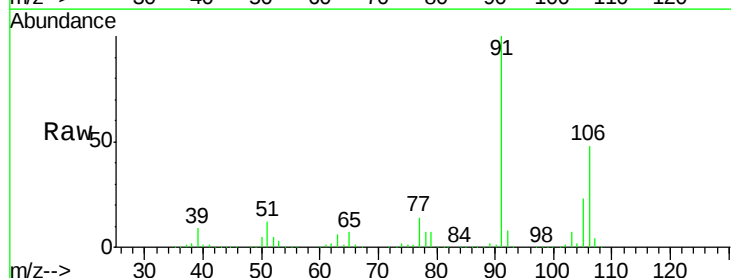
Acq: 11 Apr 2019 23:06

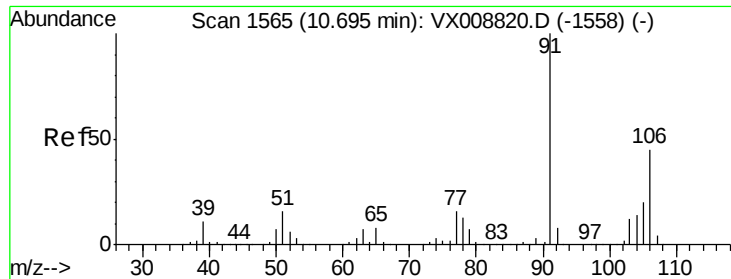
Tgt Ion: 106 Resp: 340112

Ion Ratio Lower Upper

106 100

91 207.0 168.5 252.7





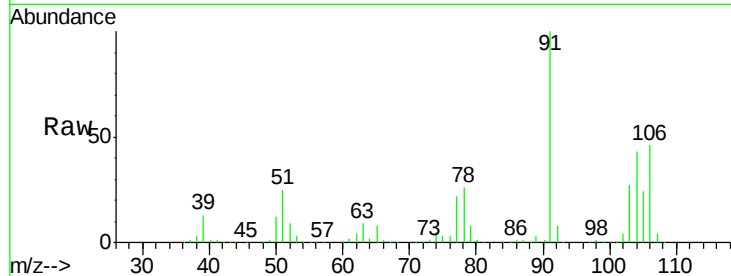
#69
o-Xylene
Concen: 48.228 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

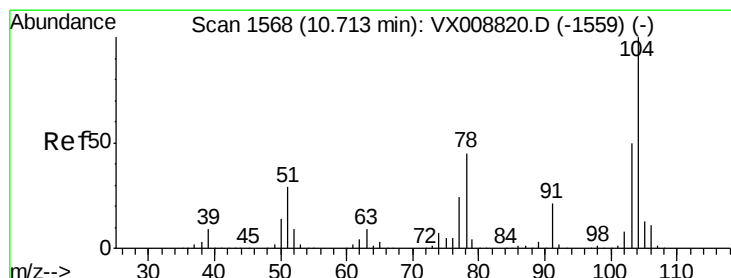
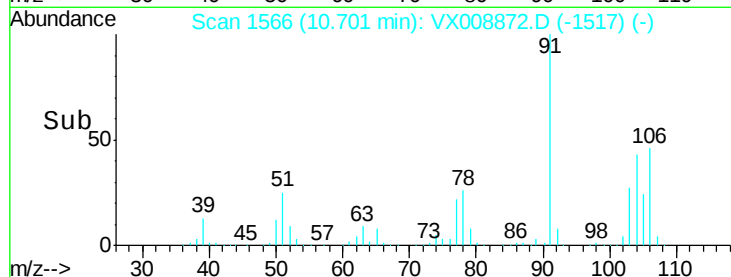
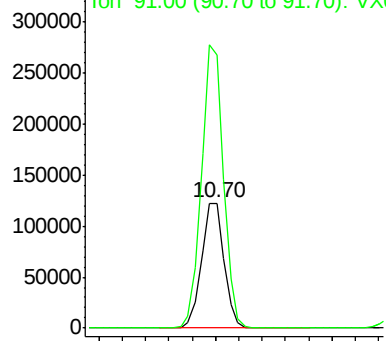
Tot Ion:106 Resp: 164946
Ion Ratio Lower Upper
106 100
91 221.2 111.5 334.4

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM

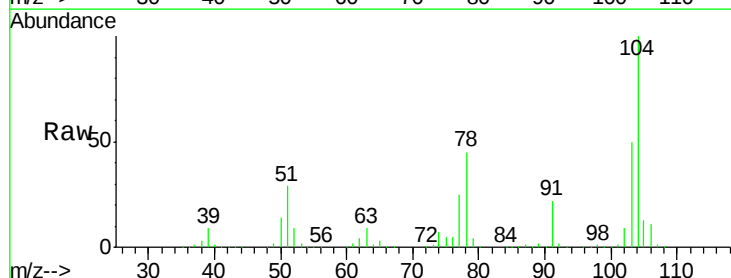


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

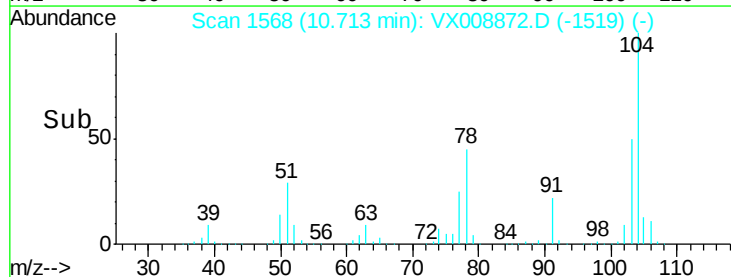
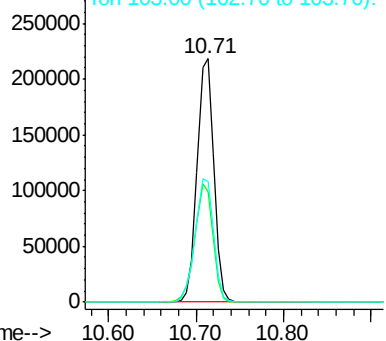


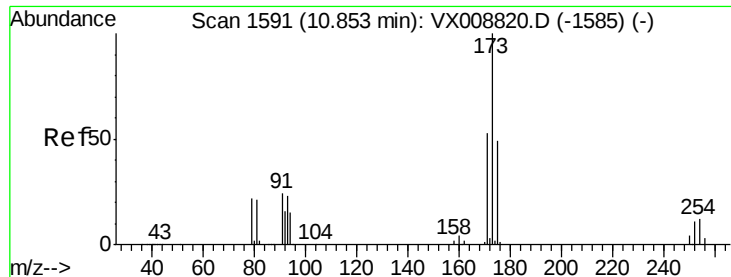
#70
Styrene
Concen: 48.998 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion:104 Resp: 288865
Ion Ratio Lower Upper
104 100
78 52.5 42.3 63.5
103 55.5 44.4 66.6



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





#71

Bromoform

Concen: 50.486 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 71204

Ion Ratio Lower Upper

173 100

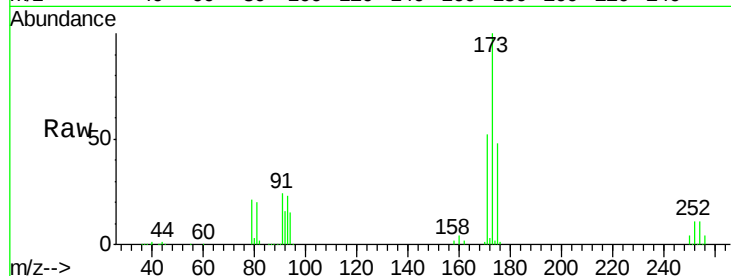
175 48.8 24.9 74.6

254 0.2 0.1 0.1#

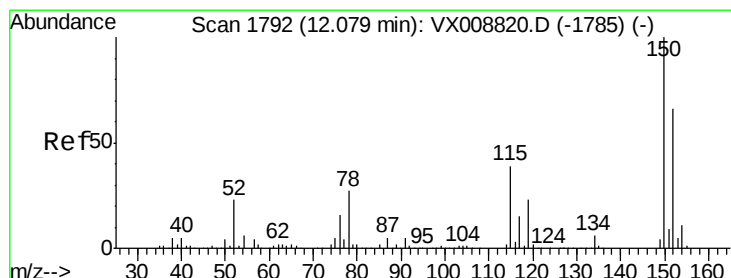
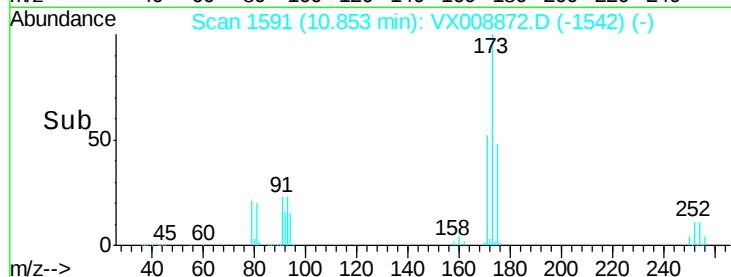
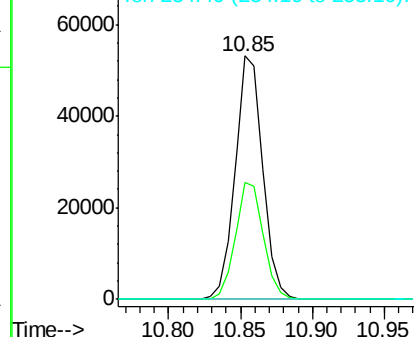
Manual Integrations
APPROVED

MMDadoda

4/12/2019 9:46:14 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: VX008872.D

Acq: 11 Apr 2019 23:06

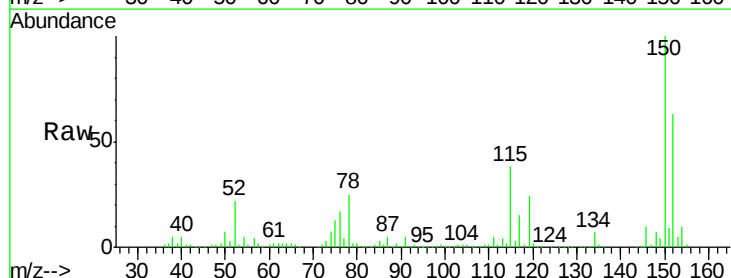
Tgt Ion:152 Resp: 111042

Ion Ratio Lower Upper

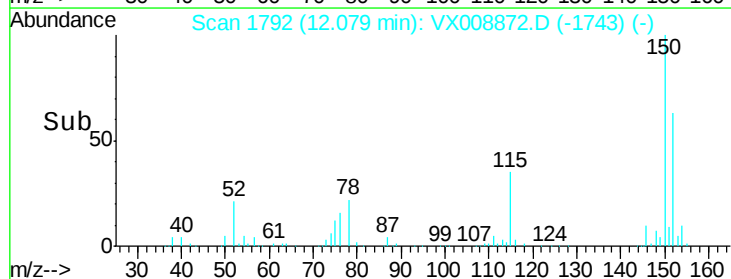
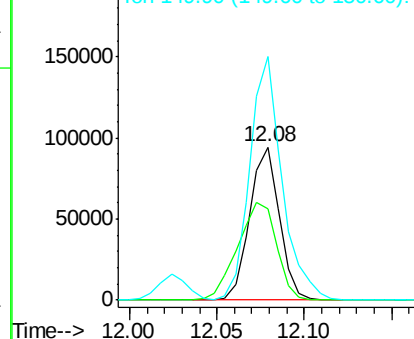
152 100

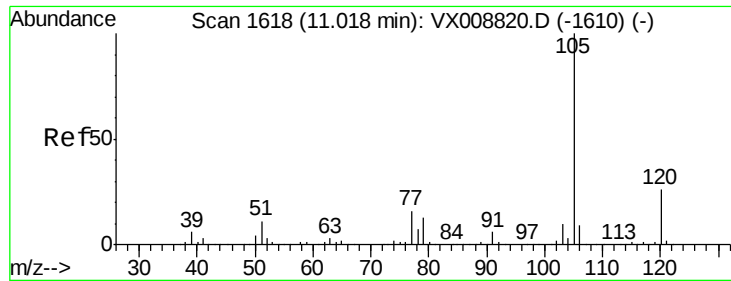
115 84.2 43.5 130.5

150 174.0 0.0 348.8



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: 47.732 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 439248

Ion Ratio Lower Upper

105 100

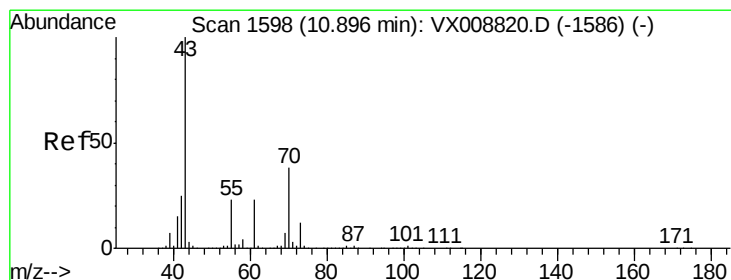
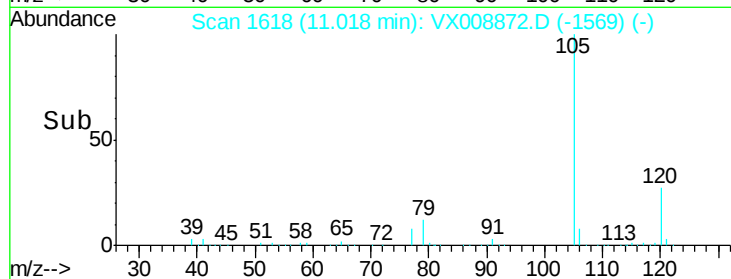
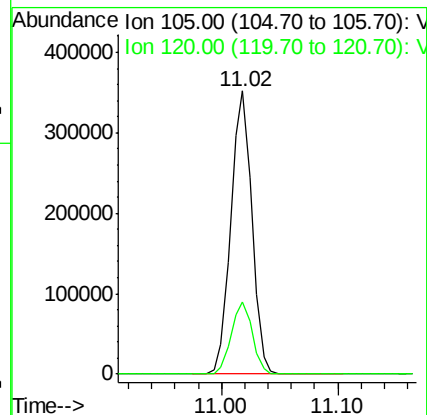
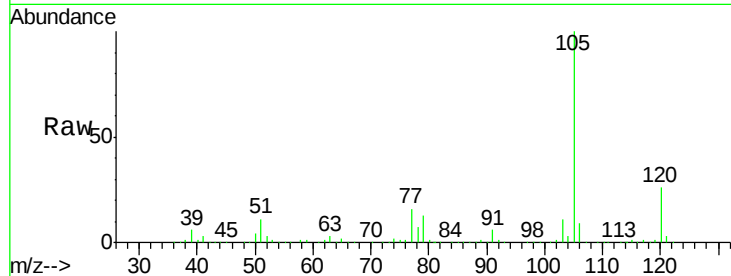
120 25.8 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

4/12/2019 9:46:14 AM



#74

N-ethyl acetate

Concen: 48.858 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Tgt Ion: 43 Resp: 264527

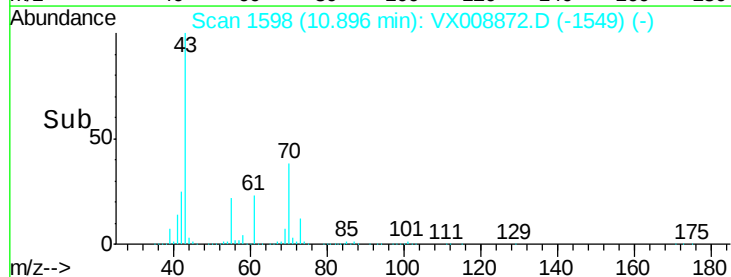
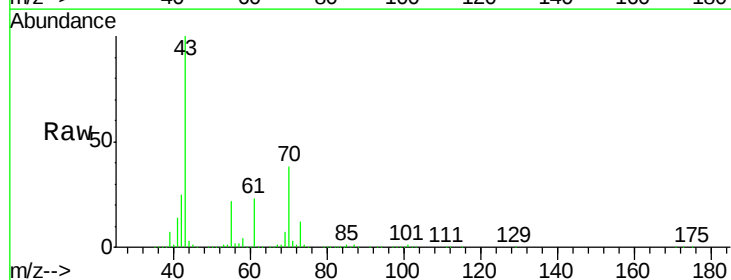
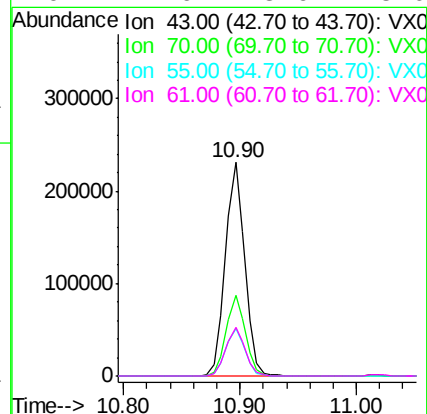
Ion Ratio Lower Upper

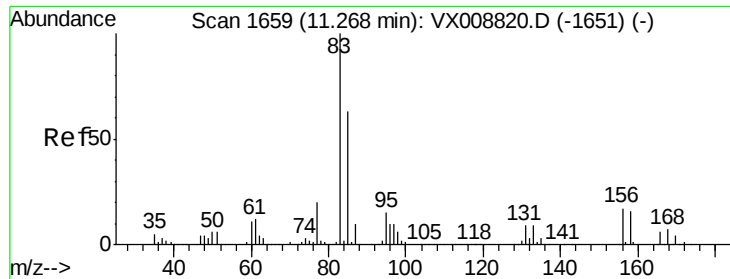
43 100

70 37.4 30.2 45.4

55 22.3 18.2 27.4

61 22.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.749 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

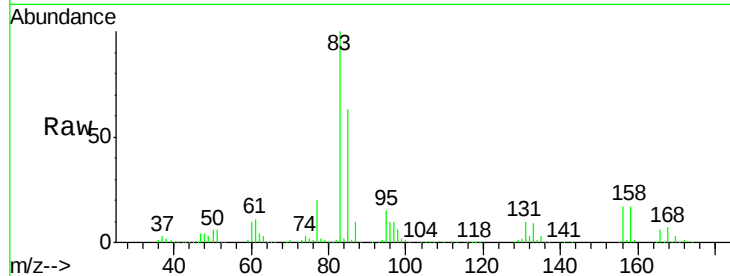
ClientSampleId :

VSTDCCC050EC

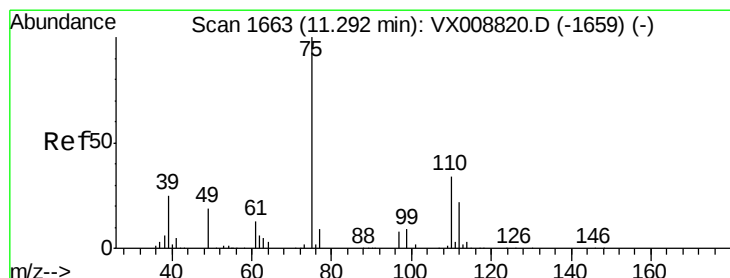
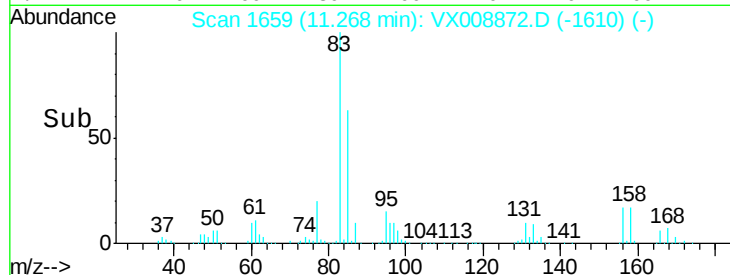
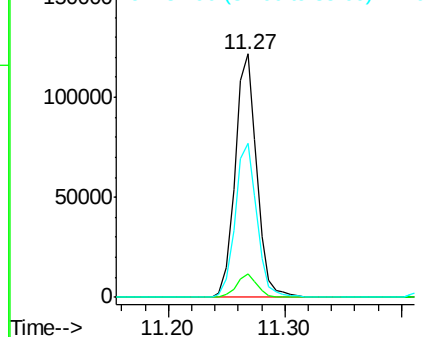
Tot Ion:	83	Resp:	156612
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	63.9	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM



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



#76

1,2,3-Trichloropropane

Concen: 44.645 ug/l m

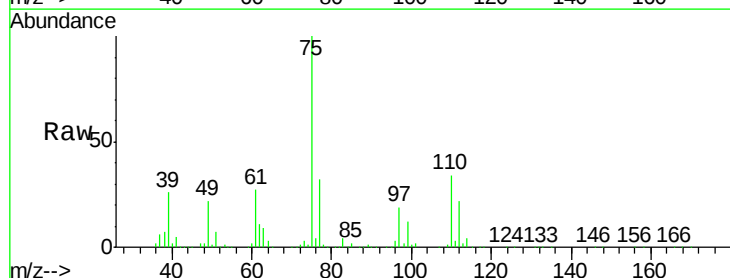
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

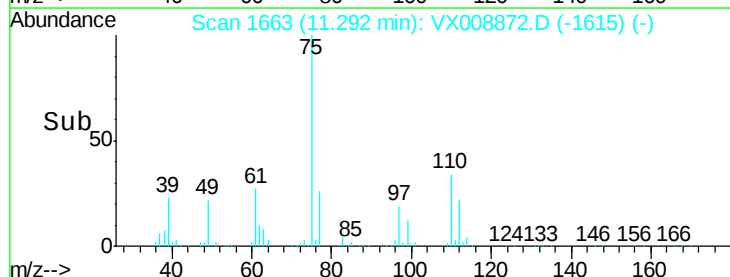
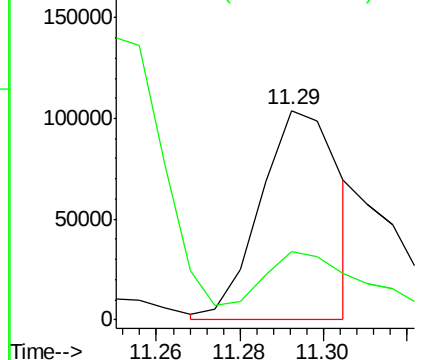
Lab File: VX008872.D

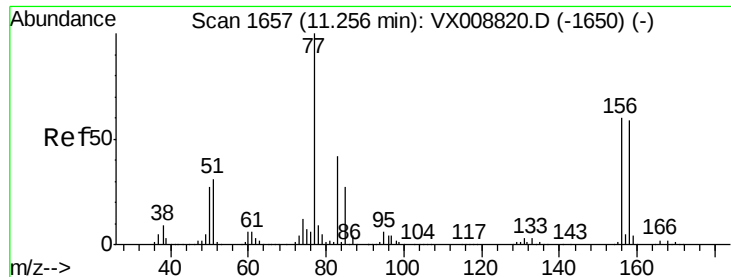
Acq: 11 Apr 2019 23:06

Tgt Ion:	75	Resp:	136186
Ion Ratio	Lower	Upper	
75	100		
77	43.9	22.3	66.8



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





#77

Bromobenzene

Concen: 48.669 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 107669

Ion Ratio Lower Upper

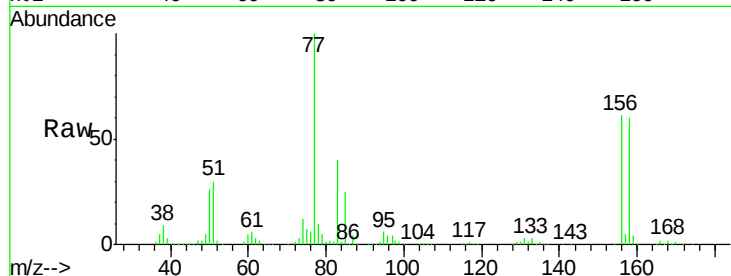
156 100

77 173.7 89.8 269.6

158 97.0 48.6 145.9

Manual Integrations
APPROVED

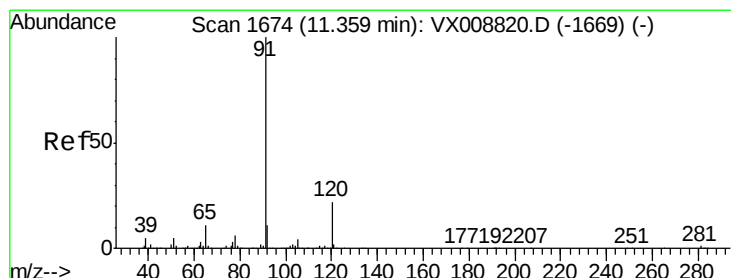
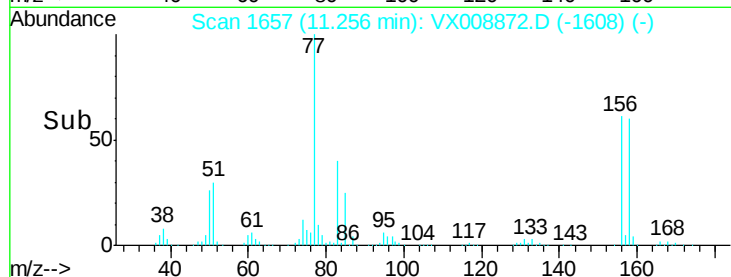
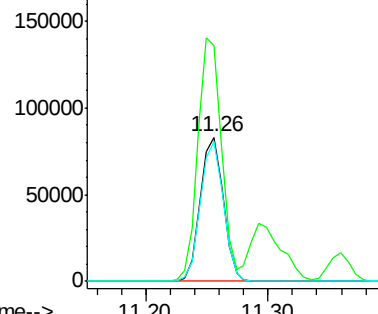
MMDadoda
4/12/2019 9:46:14 AM



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: 47.118 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008872.D

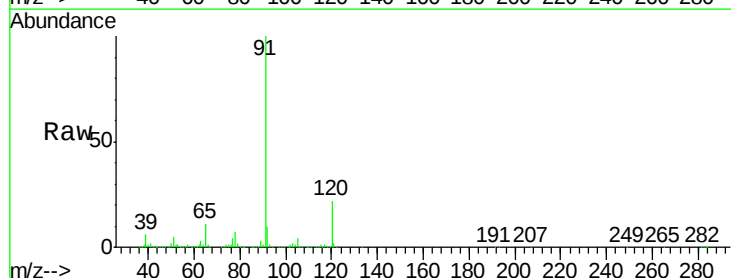
Acq: 11 Apr 2019 23:06

Tgt Ion: 91 Resp: 504866

Ion Ratio Lower Upper

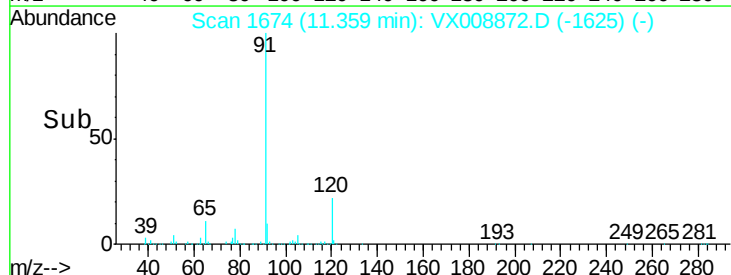
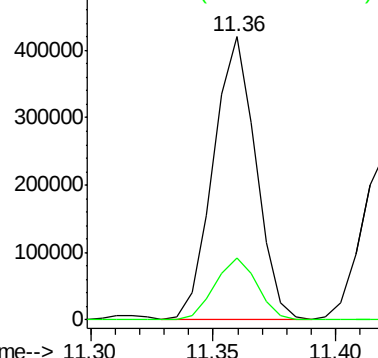
91 100

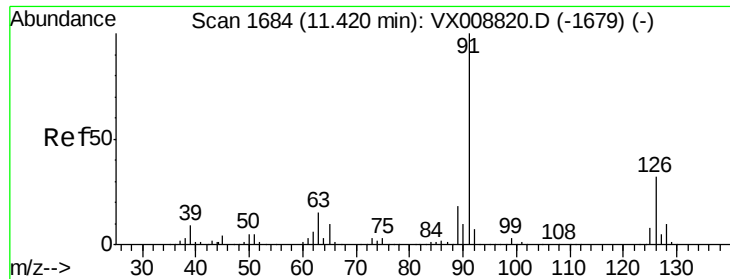
120 22.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.813 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 303549

Ion Ratio Lower Upper

91 100

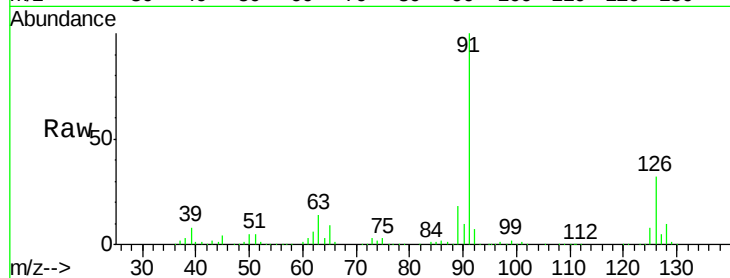
126 32.2 16.1 48.3

Manual Integrations

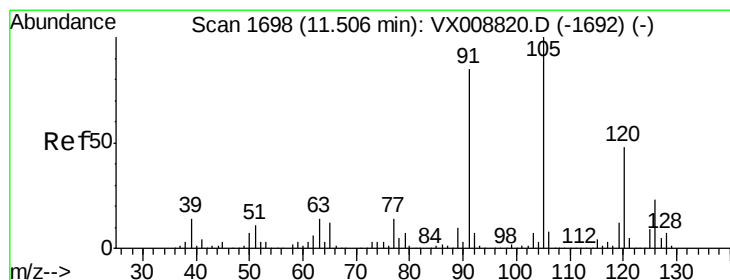
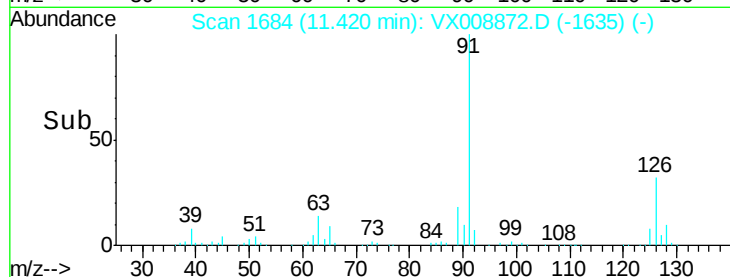
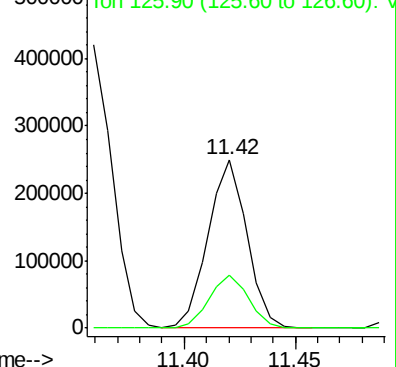
APPROVED

MMDadoda

4/12/2019 9:46:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008872.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.832 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008872.D

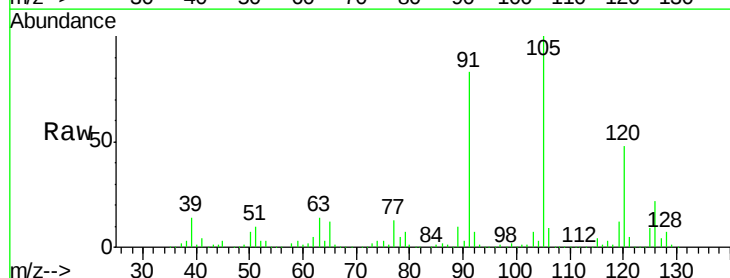
Acq: 11 Apr 2019 23:06

Tgt Ion: 105 Resp: 369483

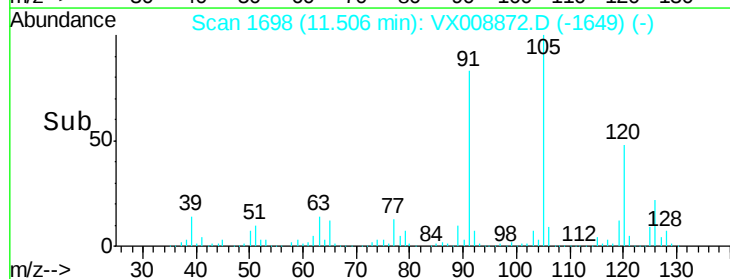
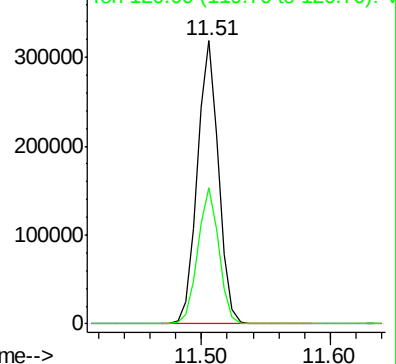
Ion Ratio Lower Upper

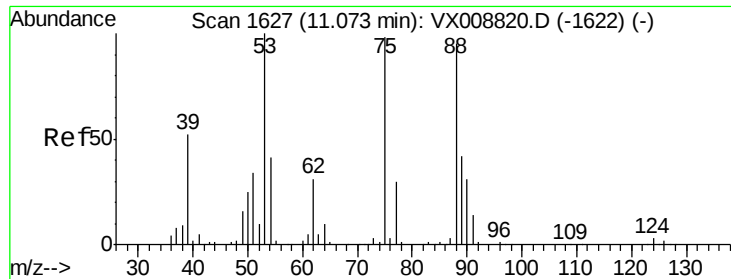
105 100

120 47.9 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008872.D (-1649) (-)





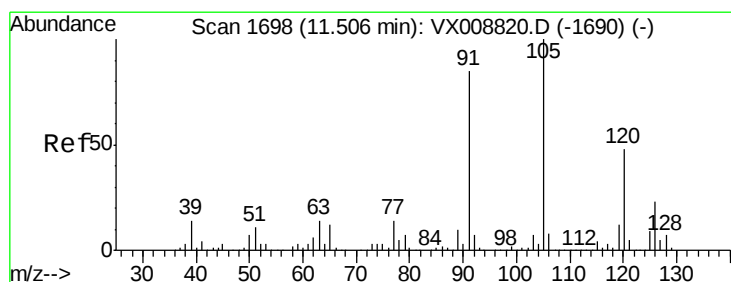
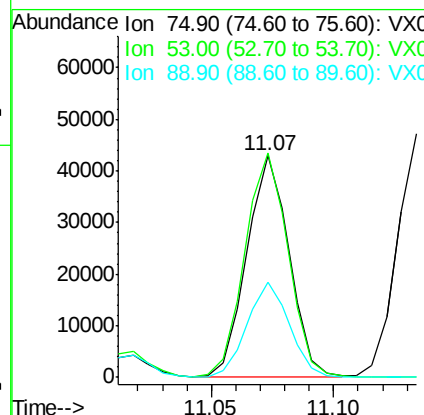
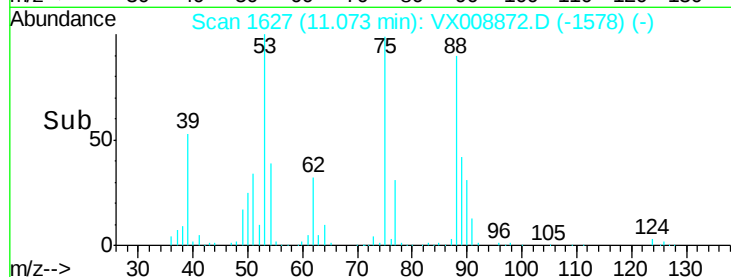
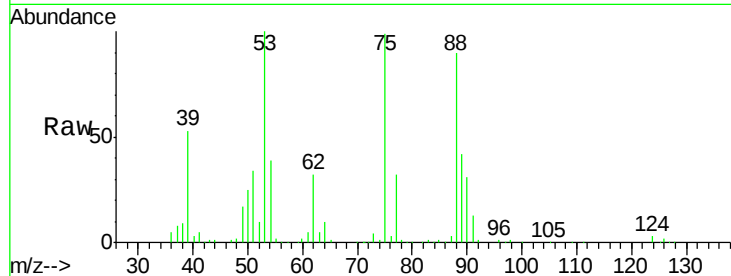
#81
trans-1,4-Dichloro-2-butene
Concen: 46.702 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	81.3	121.9
89	43.1	35.6	53.4

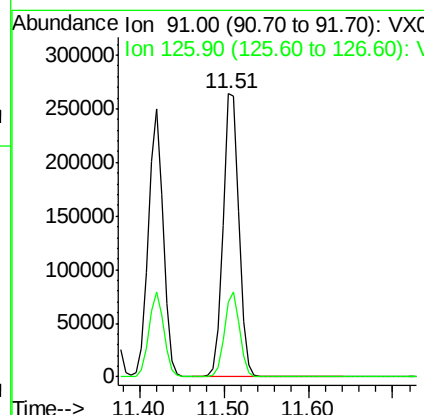
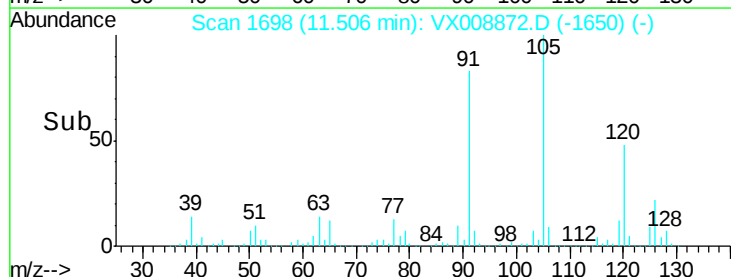
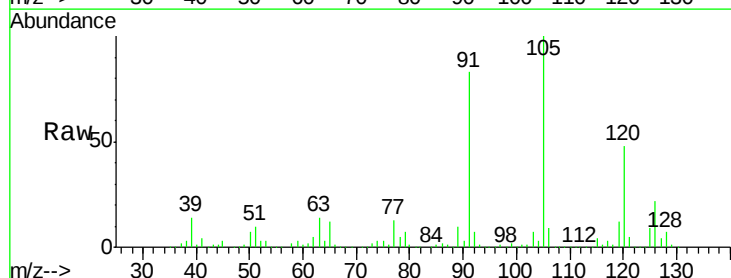
Manual Integrations
APPROVED

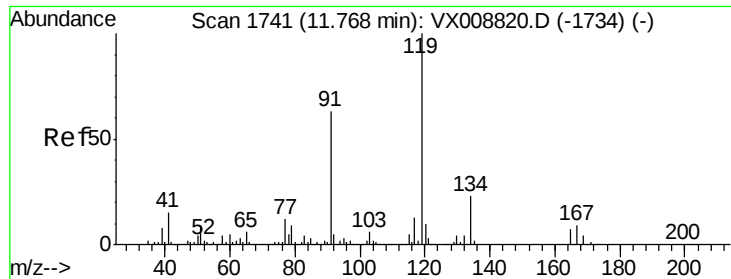
MMDadoda
4/12/2019 9:46:14 AM



#82
4-Chlorotoluene
Concen: 45.997 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	13.9	41.6





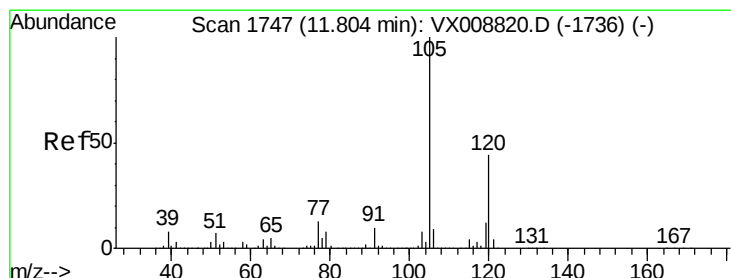
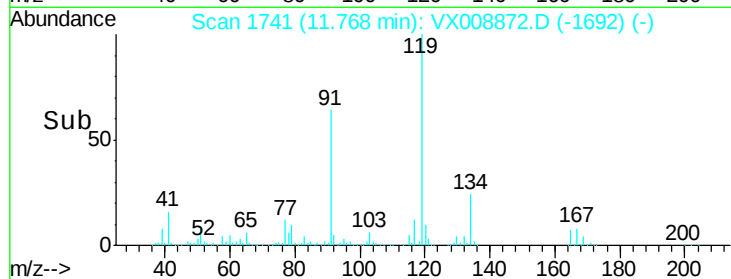
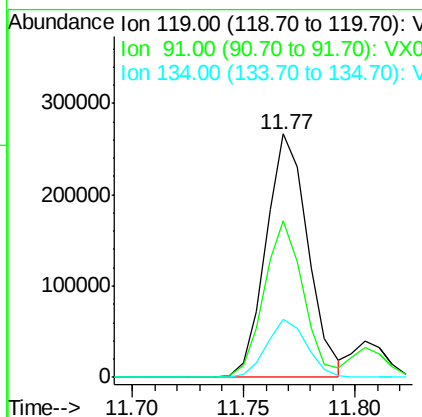
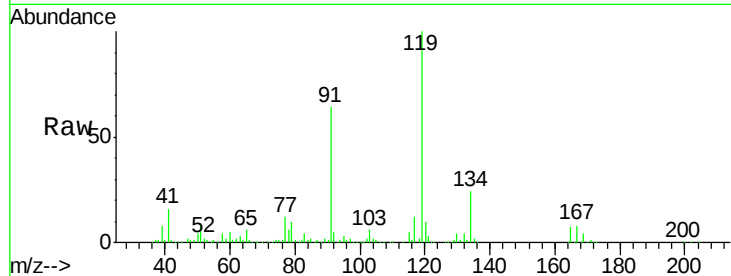
#83
 tert-Butylbenzene
 Concen: 46.866 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348296		
91	60.3	30.0	90.1	
134	22.7	11.1	33.3	

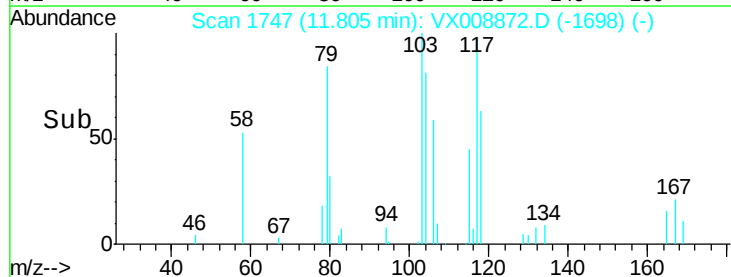
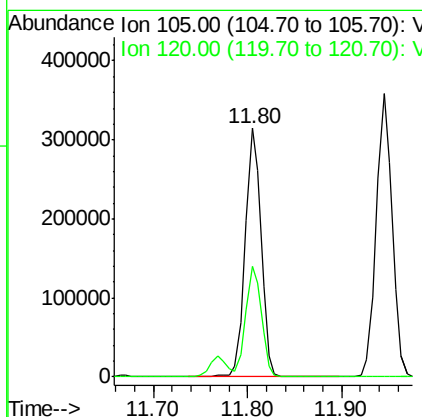
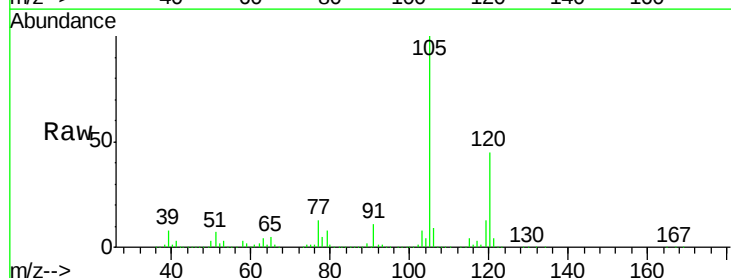
Manual Integrations
 APPROVED

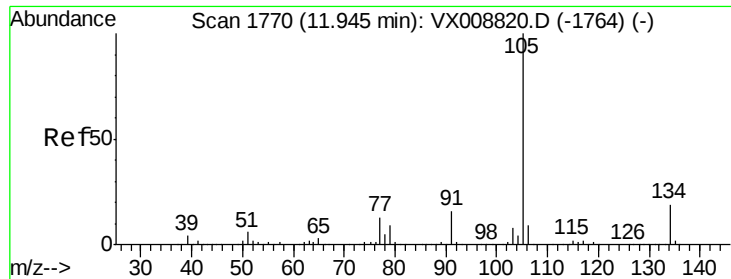
MMDadoda
 4/12/2019 9:46:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.396 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	370716		
120	43.8	21.8	65.3	





#85

sec-Butylbenzene

Concen: 47.619 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 420352

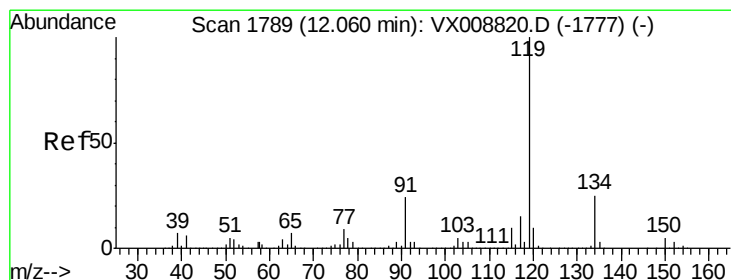
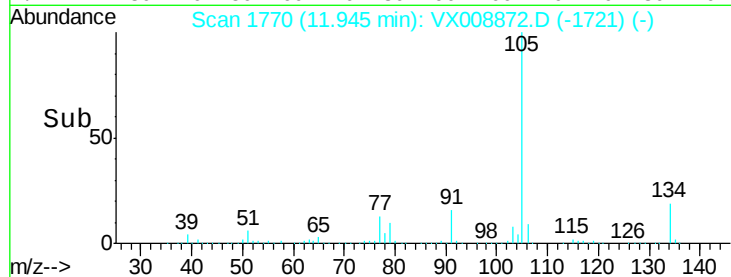
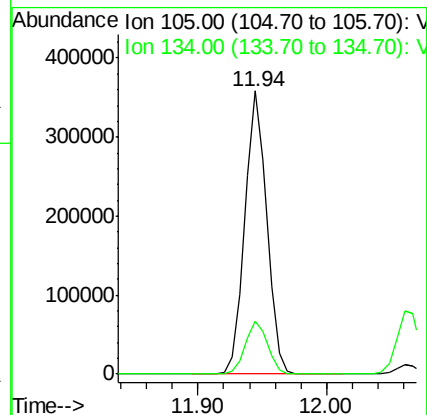
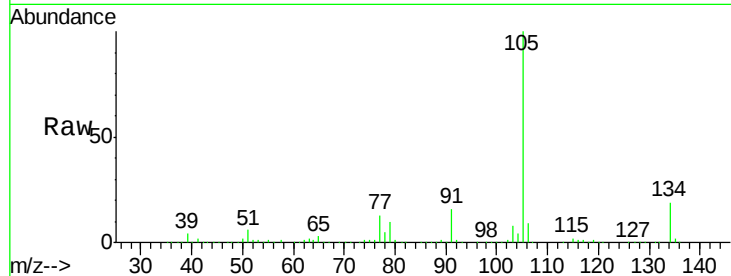
Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM



#86

p-Isopropyltoluene

Concen: 47.665 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

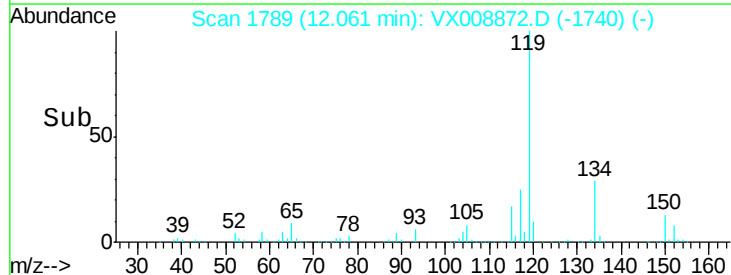
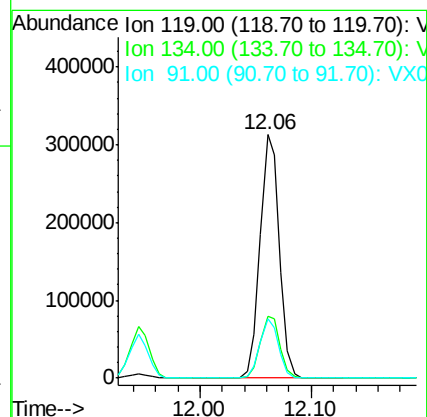
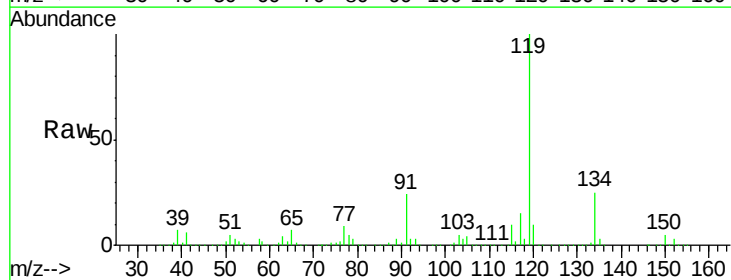
Tgt Ion:119 Resp: 377652

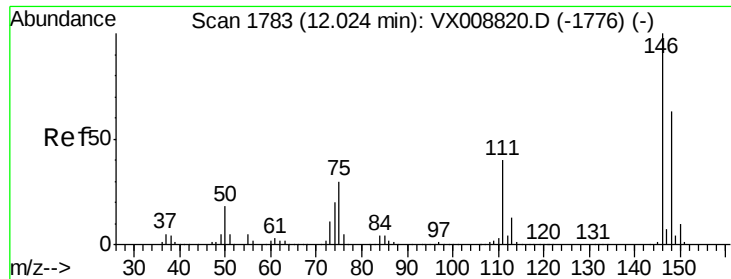
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 23.8 12.2 36.6





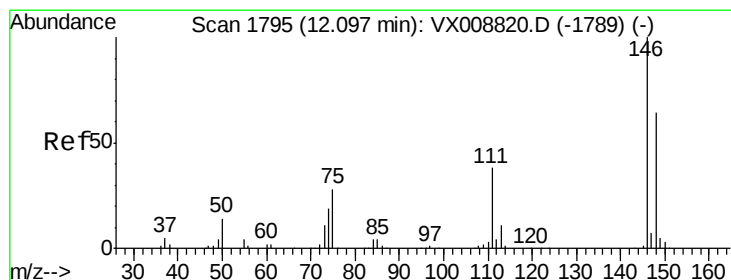
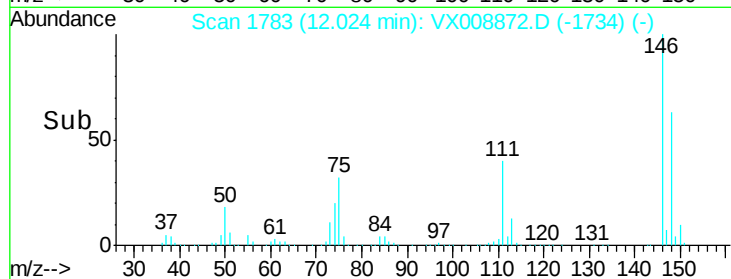
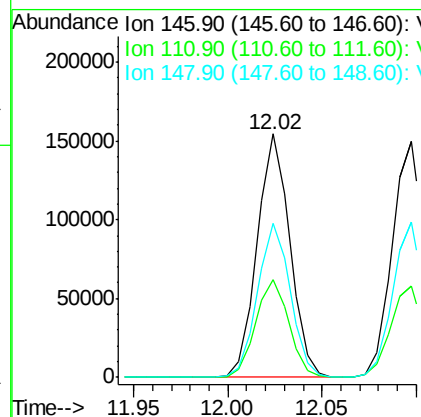
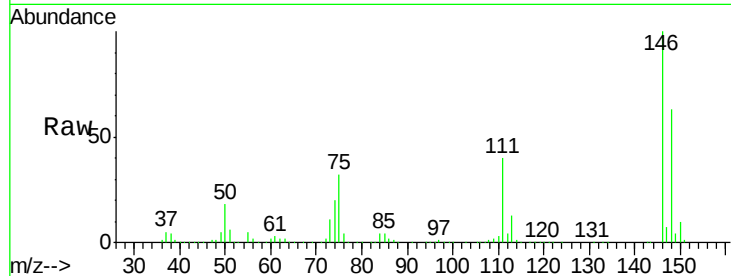
#87
 1,3-Dichlorobenzene
 Concen: 46.887 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185692		
111	40.9	20.5	61.5	
148	63.7	31.6	94.7	

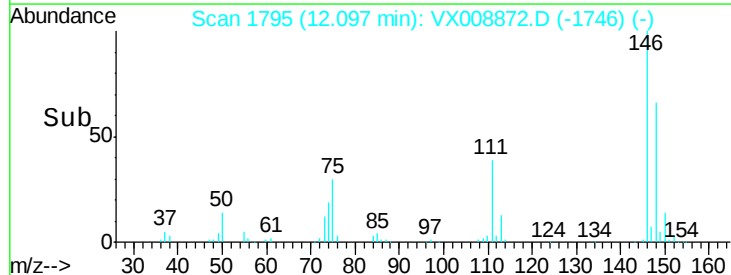
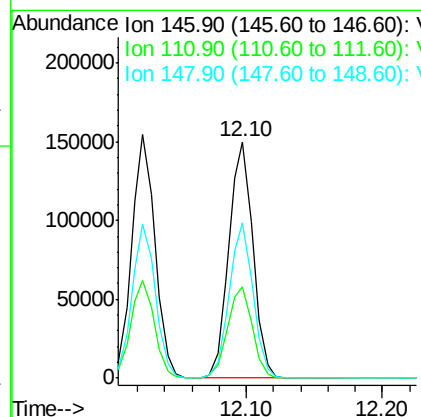
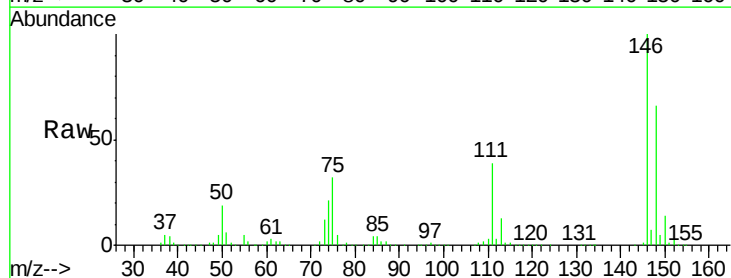
Manual Integrations
 APPROVED

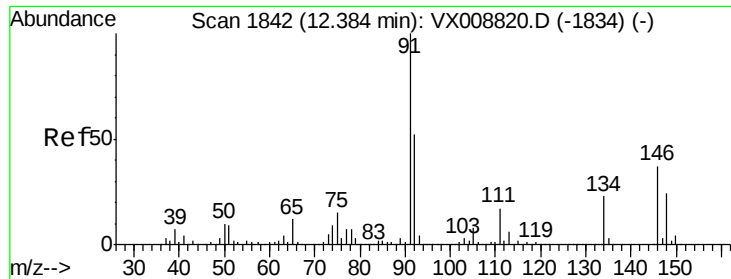
MMDadoda
 4/12/2019 9:46:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.855 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183896		
111	39.5	20.2	60.6	
148	64.6	32.0	96.0	





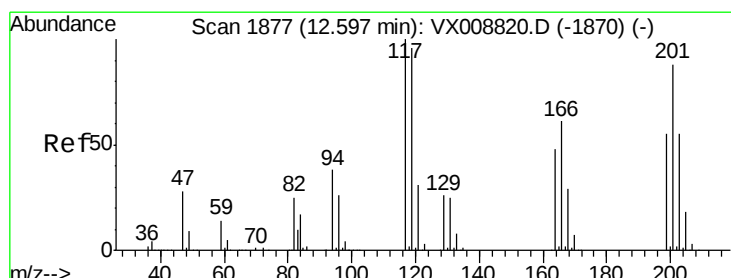
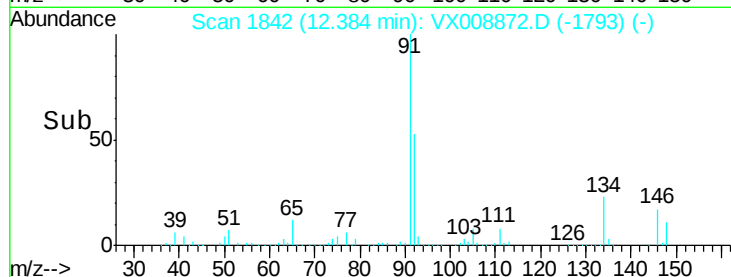
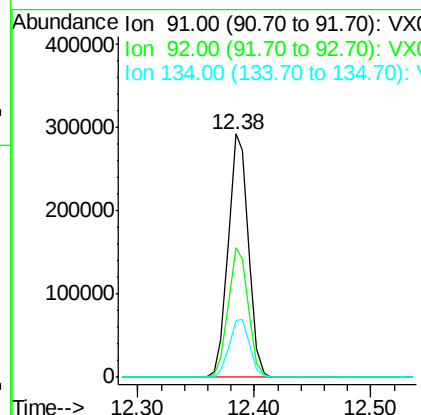
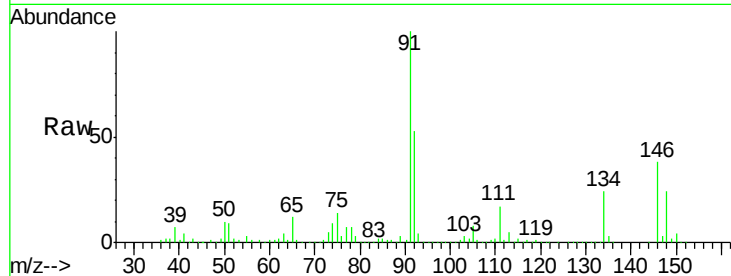
#89
n-Butylbenzene
Concen: 46.816 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	24.2	12.0	36.0

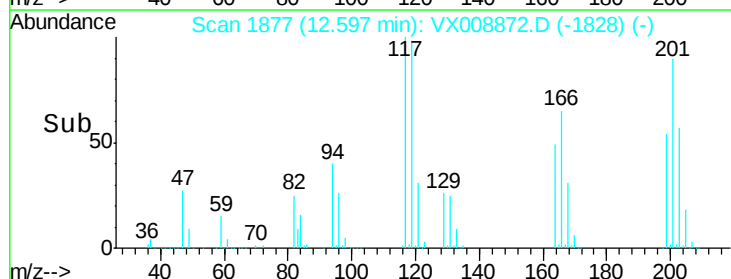
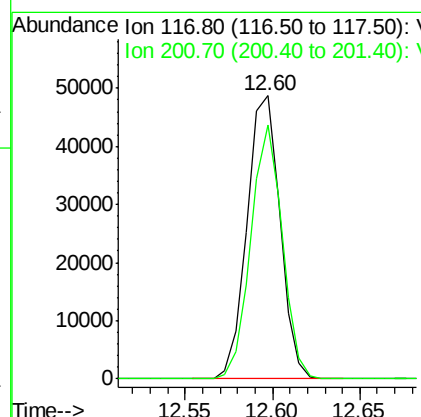
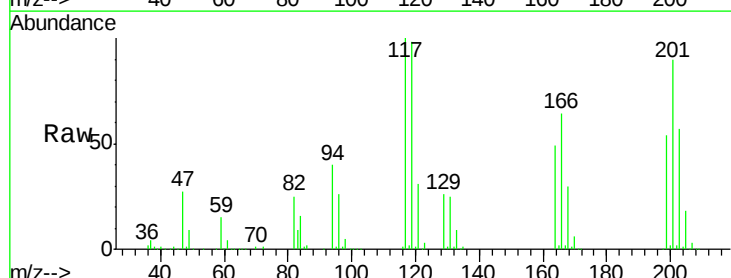
Manual Integrations
APPROVED

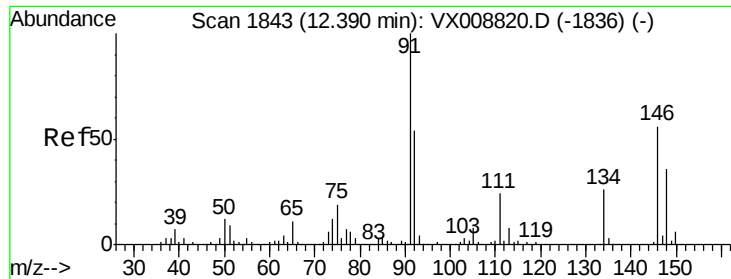
MMDadoda
4/12/2019 9:46:14 AM



#90
Hexachloroethane
Concen: 48.963 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008872.D
Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	40.6	122.0





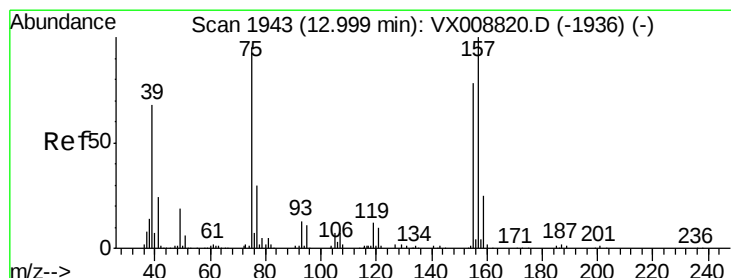
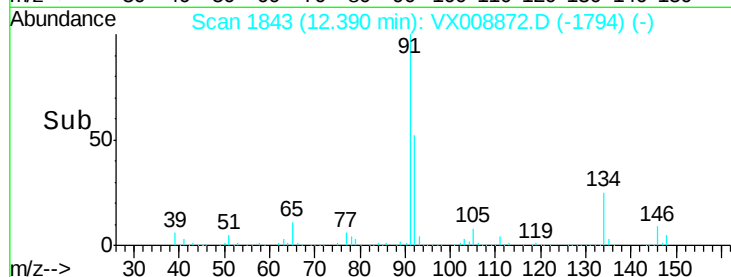
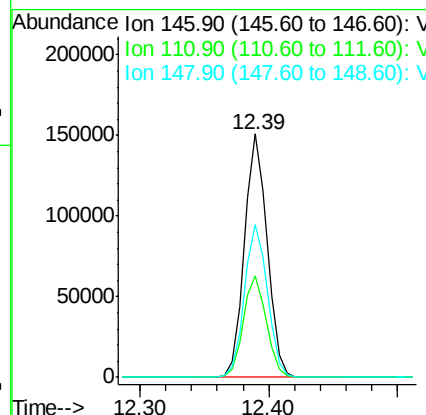
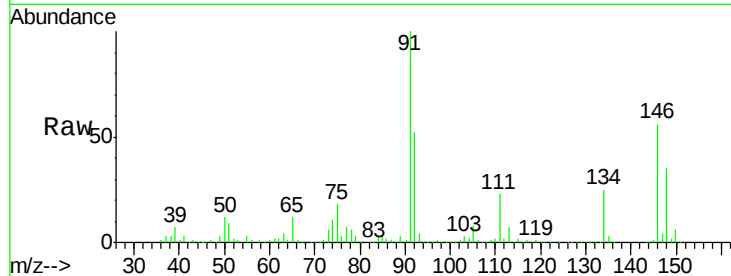
#91
 1,2-Dichlorobenzene
 Concen: 46.594 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	63.9	31.7	95.1

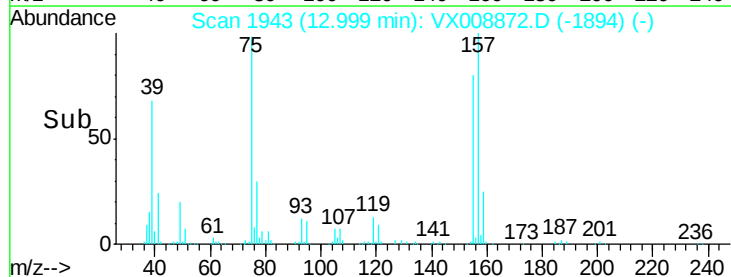
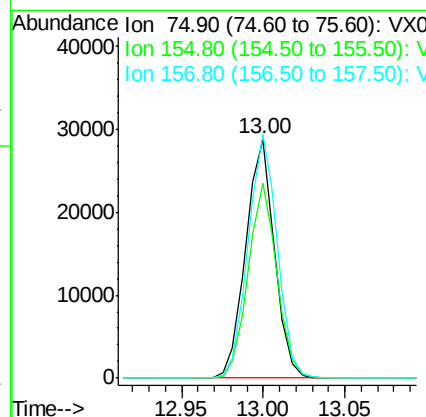
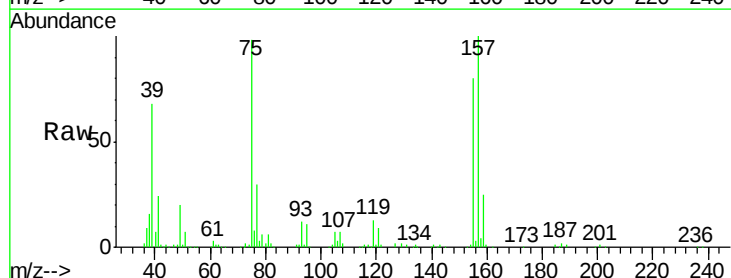
Manual Integrations
 APPROVED

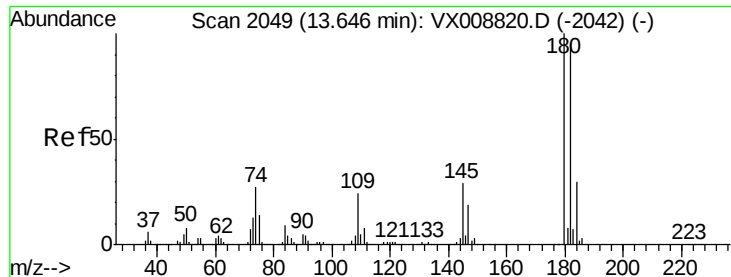
MMDadoda
 4/12/2019 9:46:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.896 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	39.9	119.6
157	103.7	51.5	154.7





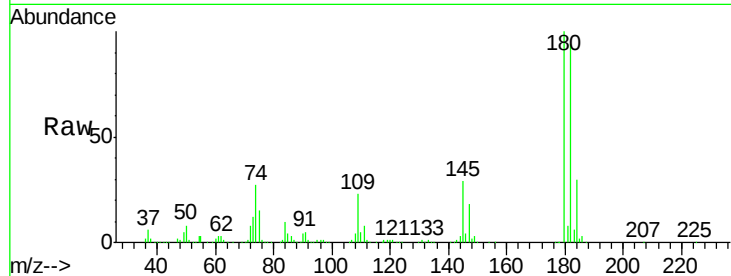
#93
 1,2,4-Trichlorobenzene
 Concen: 47.013 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

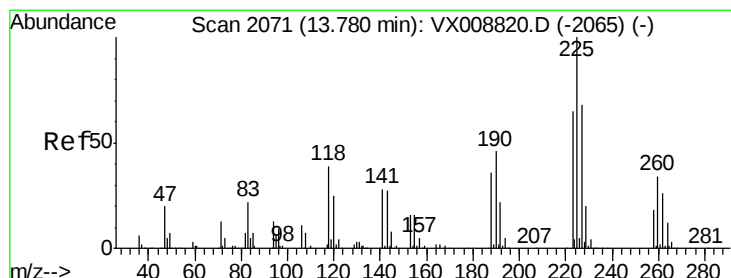
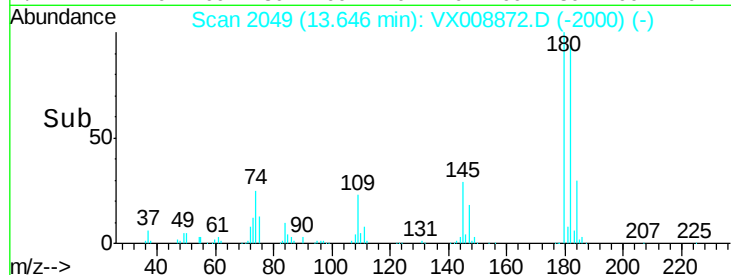
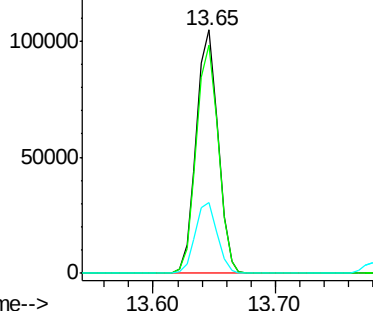
Tot Ion	Ratio	Resp	Lower	Upper
180	100	128536		
182	94.9	47.2	141.6	
145	29.7	15.3	45.9	

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:46:14 AM

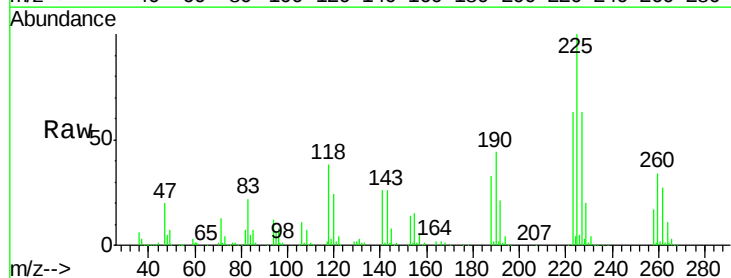


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

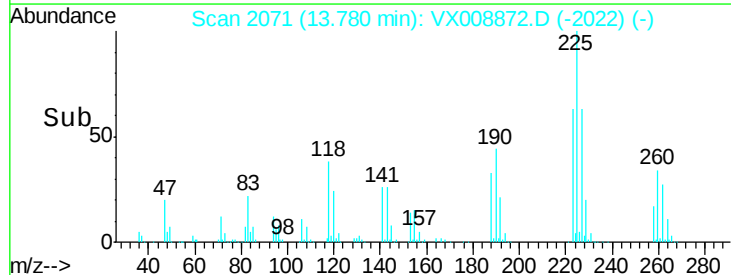
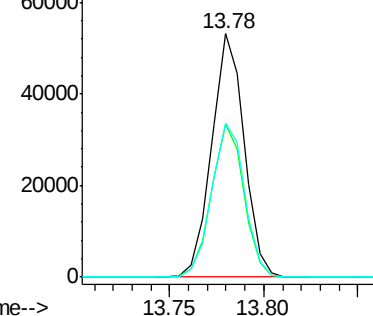


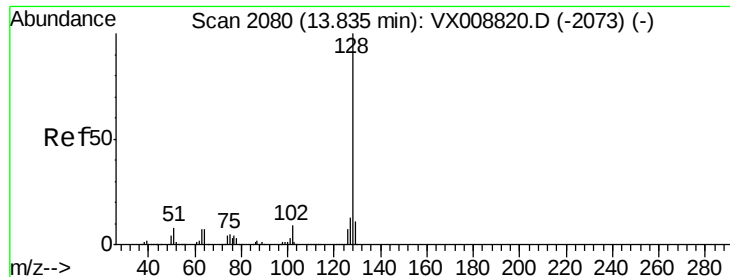
#94
 Hexachlorobutadiene
 Concen: 48.329 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008872.D
 Acq: 11 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63369		
223	62.6	31.2	93.6	
227	63.8	31.9	95.5	



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: 47.603 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Instrument :

MSVOA_X

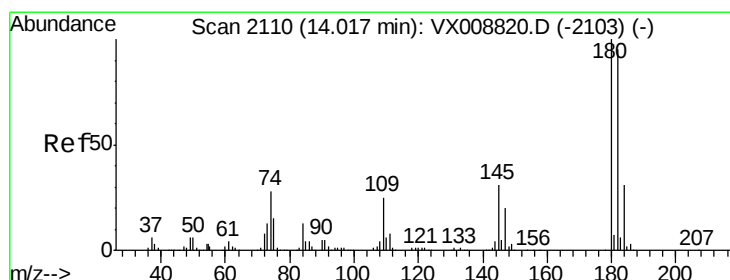
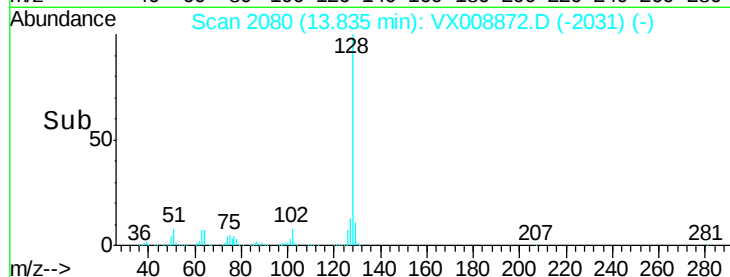
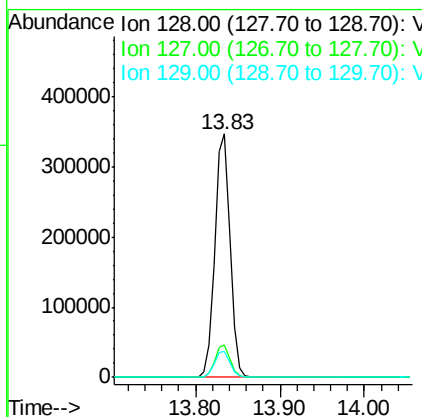
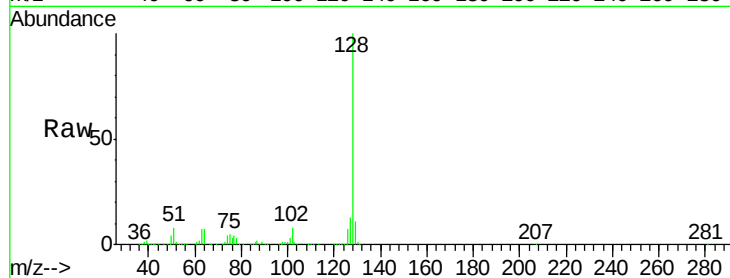
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	434990
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.632 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008872.D

Acq: 11 Apr 2019 23:06

Tgt Ion:	180	Resp:	130115
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.1	144.3
145	31.1	16.3	48.8

