

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003400.D
 Acq On : 16 Jul 2018 20:05
 Operator : JC/MD
 Sample : VX0716WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:36 PM

Quant Time: Jul 17 02:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	355089	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	504339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	450350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	266322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	230508	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.14%		
35) Dibromofluoromethane	5.51	113	195636	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.88%		
50) Toluene-d8	8.72	98	791463	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.12%		
62) 4-Bromofluorobenzene	11.14	95	262515	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.66%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	84146	20.99	ug/l	99
3) Chloromethane	1.33	50	88121	20.32	ug/l	96
4) Vinyl Chloride	1.42	62	99953	21.15	ug/l	94
5) Bromomethane	1.64	94	46945	26.54	ug/l	99
6) Chloroethane	1.73	64	57633	20.66	ug/l	99
7) Trichlorofluoromethane	1.93	101	131014	20.89	ug/l	100
8) Diethyl Ether	2.20	74	54626	20.36	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	79323	20.03	ug/l	97
10) Methyl Iodide	2.52	142	73934	17.45	ug/l	93
11) Tert butyl alcohol	3.09	59	109292	104.51	ug/l	100
12) 1,1-Dichloroethene	2.38	96	74683	19.95	ug/l	89
13) Acrolein	2.31	56	45234	90.17	ug/l	99
14) Allyl chloride	2.73	41	139346	20.52	ug/l	87
15) Acrylonitrile	3.16	53	249320	104.06	ug/l	96
16) Acetone	2.46	43	200182	103.50	ug/l	# 89
17) Carbon Disulfide	2.57	76	197412	19.22	ug/l	98
18) Methyl Acetate	2.79	43	145282	23.06	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	253350	20.38	ug/l	97
20) Methylene Chloride	2.87	84	85427	24.07	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	80371	19.88	ug/l	90
22) Diisopropyl ether	3.89	45	270396	20.53	ug/l	92
23) Vinyl Acetate	3.84	43	1090484	100.40	ug/l	97
24) 1,1-Dichloroethane	3.71	63	152962	20.47	ug/l	100
25) 2-Butanone	4.73	43	321779	106.30	ug/l	94
26) 2,2-Dichloropropane	4.59	77	84893	16.19	ug/l	94
27) cis-1,2-Dichloroethene	4.61	96	88730	20.40	ug/l	97
28) Bromochloromethane	5.03	49	65972	20.34	ug/l	89
29) Tetrahydrofuran	5.18	42	198315	103.31	ug/l	90
30) Chloroform	5.23	83	144467	20.98	ug/l	98
31) Cyclohexane	5.58	56	119787	20.76	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	125732	21.47	ug/l	95
36) 1,1-Dichloropropene	5.81	75	103583	20.28	ug/l	97
37) Ethyl Acetate	4.89	43	117410	20.40	ug/l	96
38) Carbon Tetrachloride	5.79	117	107328	20.65	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003400.D
 Acq On : 16 Jul 2018 20:05
 Operator : JC/MD
 Sample : VX0716WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0716WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:36 PM

Quant Time: Jul 17 02:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	116299	19.89	ug/l	95
40) Benzene	6.15	78	333276	21.45	ug/l	99
41) Methacrylonitrile	5.08	41	65629	20.74	ug/l	93
42) 1,2-Dichloroethane	6.21	62	110253	20.69	ug/l	95
43) Isopropyl Acetate	6.48	43	176680	20.34	ug/l	94
44) Trichloroethene	7.22	130	89862	19.96	ug/l	97
45) 1,2-Dichloropropane	7.52	63	83206	20.58	ug/l	99
46) Dibromomethane	7.67	93	54679	20.32	ug/l	96
47) Bromodichloromethane	7.91	83	101006	20.49	ug/l	99
48) Methyl methacrylate	7.79	41	93211	21.03	ug/l	88
49) 1,4-Dioxane	7.77	88	41704	411.03	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	622296	108.84	ug/l	91
52) Toluene	8.79	92	214115	22.01	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	124982	21.48	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	105296	19.83	ug/l	89
55) 1,1,2-Trichloroethane	9.22	97	81250	19.99	ug/l	99
56) Ethyl methacrylate	9.19	69	112780	19.60	ug/l #	88
57) 1,3-Dichloropropane	9.38	76	130998	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	312658	108.34	ug/l	97
59) 2-Hexanone	9.51	43	446954	101.74	ug/l	91
60) Dibromochloromethane	9.59	129	78566	19.45	ug/l	100
61) 1,2-Dibromoethane	9.68	107	83316	19.88	ug/l	100
64) Tetrachloroethene	9.34	164	99394	21.10	ug/l	98
65) Chlorobenzene	10.14	112	219348	20.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	77971	20.62	ug/l	98
67) Ethyl Benzene	10.26	91	361705	20.80	ug/l	100
68) m/p-Xylenes	10.37	106	282084	41.94	ug/l	98
69) o-Xylene	10.70	106	136341	21.10	ug/l	97
70) Styrene	10.71	104	226119	21.27	ug/l	98
71) Bromoform	10.86	173	60395	19.85	ug/l	99
73) Isopropylbenzene	11.02	105	373214	21.89	ug/l	99
74) N-amyl acetate	6.48	43	176680	21.54	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	133669	23.75	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	124079m	25.74	ug/l	
77) Bromobenzene	11.26	156	109584	22.63	ug/l	98
78) n-propylbenzene	11.37	91	440209	23.11	ug/l	99
79) 2-Chlorotoluene	11.43	91	267869	22.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	304119	21.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	31073	20.94	ug/l	93
82) 4-Chlorotoluene	11.51	91	292541	21.47	ug/l	98
83) tert-Butylbenzene	11.77	119	293019	21.52	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	327860	22.91	ug/l	100
85) sec-Butylbenzene	11.95	105	372106	22.53	ug/l	100
86) p-Isopropyltoluene	12.07	119	325287	22.13	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	187608	21.16	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	187569	20.84	ug/l	99
89) n-Butylbenzene	12.39	91	274157	21.89	ug/l	98
90) Hexachloroethane	12.60	117	47628	21.38	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	204256	22.94	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	27299	23.31	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
Data File : VX003400.D
Acq On : 16 Jul 2018 20:05
Operator : JC/MD
Sample : VX0716WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

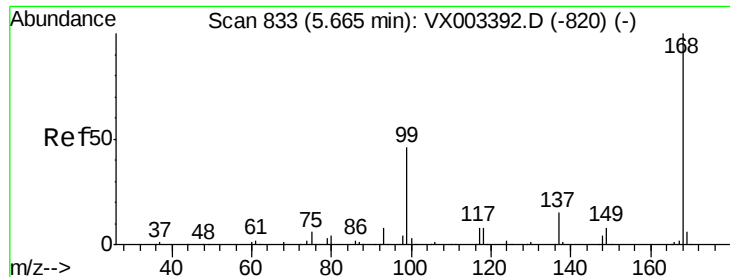
Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM

Quant Time: Jul 17 02:13:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	136529	22.41	ug/l	98
94) Hexachlorobutadiene	13.79	225	63039	21.50	ug/l	99
95) Naphthalene	13.84	128	433736	24.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	151002	24.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion:168 Resp: 355089

Ion Ratio Lower Upper

168 100

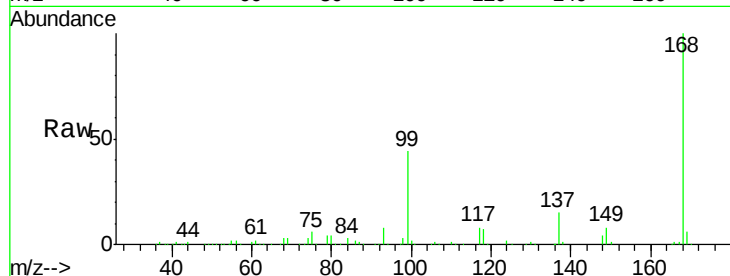
99 44.1 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

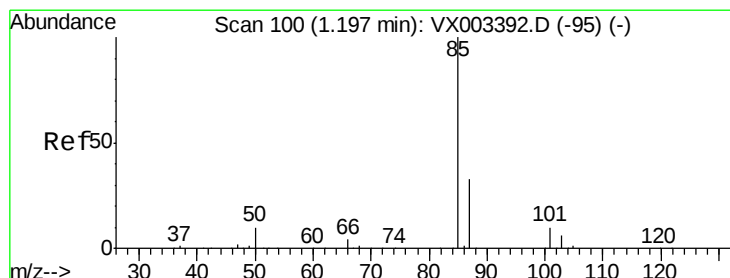
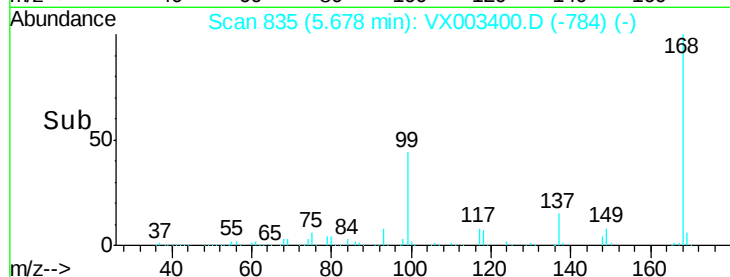
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.99 ug/l

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003400.D

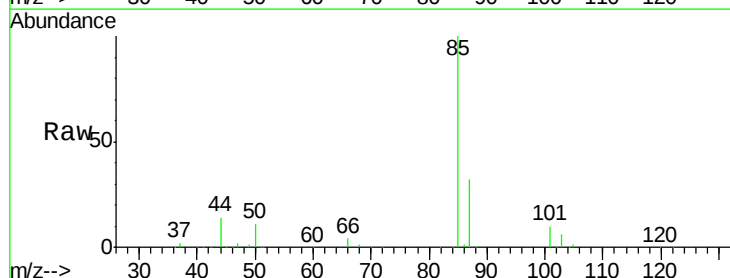
Acq: 16 Jul 2018 20:05

Tgt Ion: 85 Resp: 84146

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

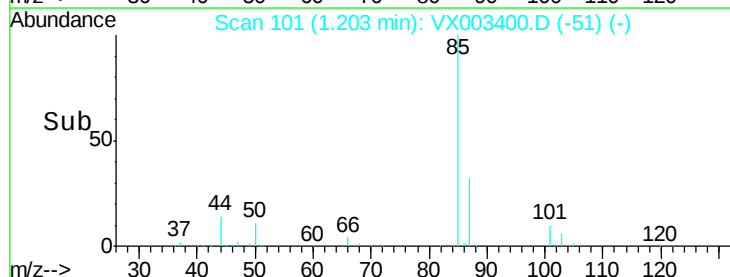
60000

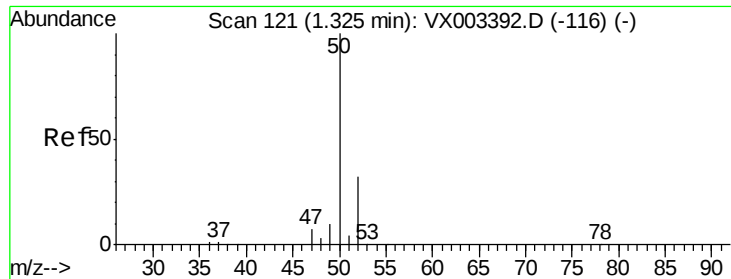
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.32 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 50 Resp: 88121

Ion Ratio Lower Upper

50 100

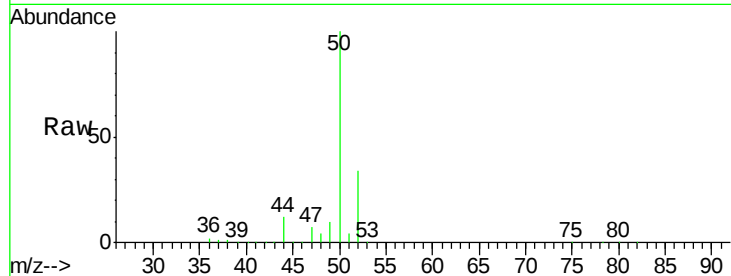
52 34.3 25.7 38.5

Manual Integrations

APPROVED

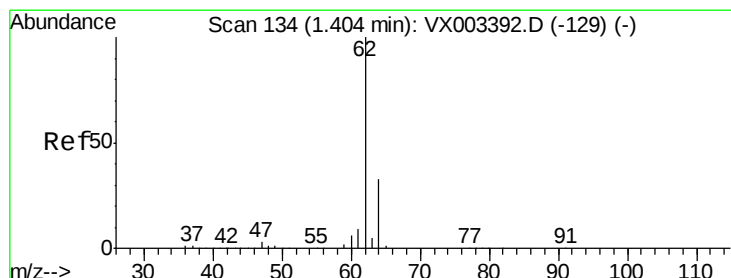
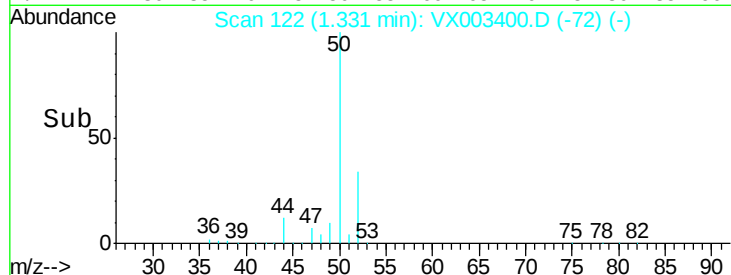
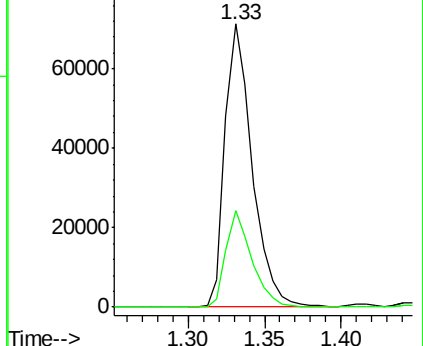
MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.15 ug/l

RT: 1.42 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX003400.D

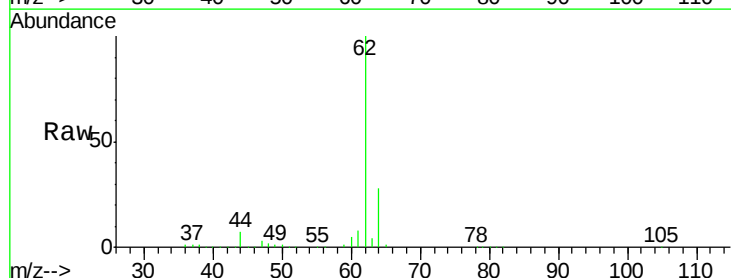
Acq: 16 Jul 2018 20:05

Tgt Ion: 62 Resp: 99953

Ion Ratio Lower Upper

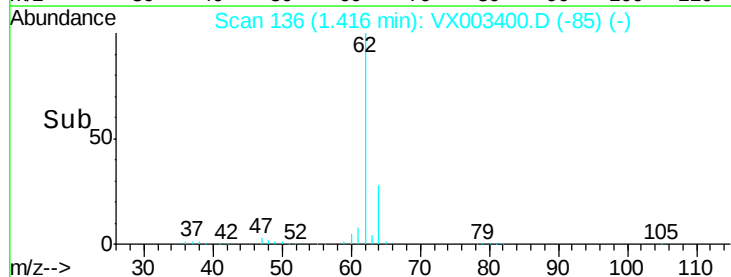
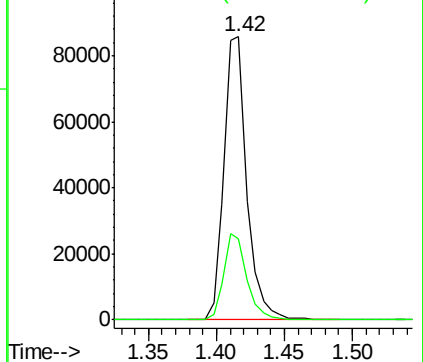
62 100

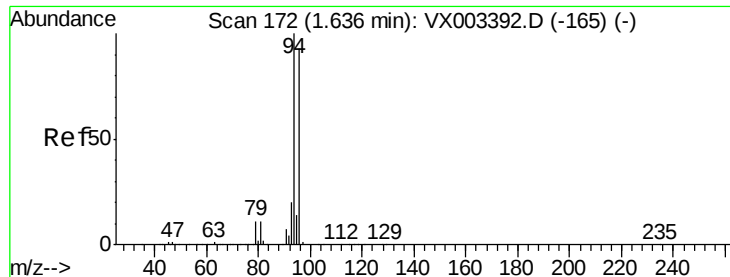
64 28.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.54 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 94 Resp: 46945

Ion Ratio Lower Upper

94 100

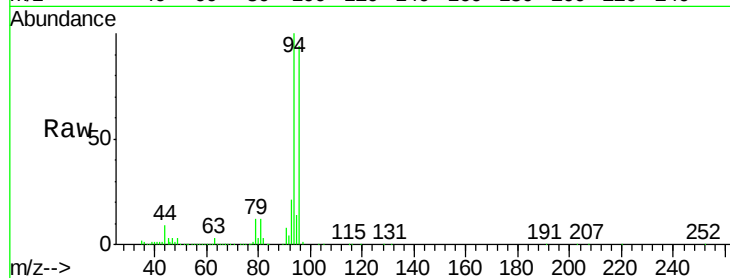
96 94.3 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

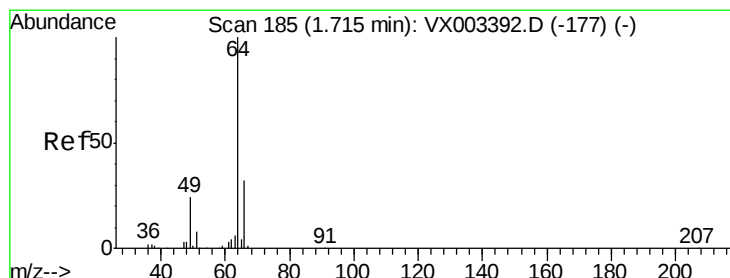
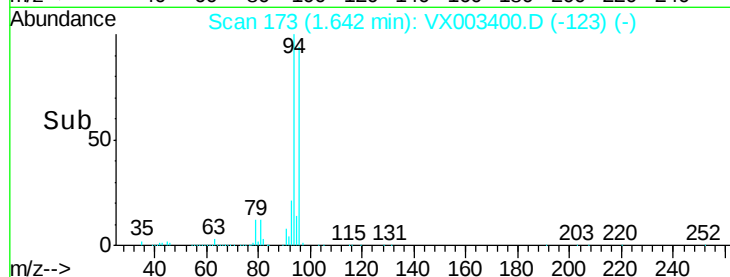
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.66 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003400.D

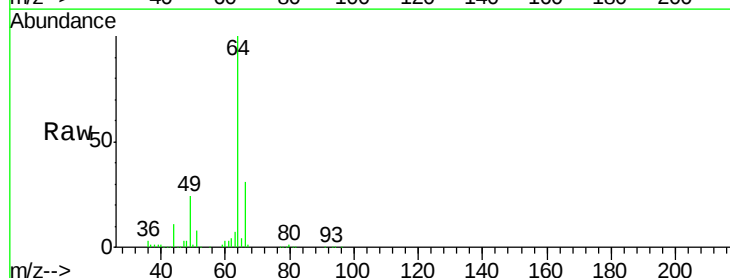
Acq: 16 Jul 2018 20:05

Tgt Ion: 64 Resp: 57633

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

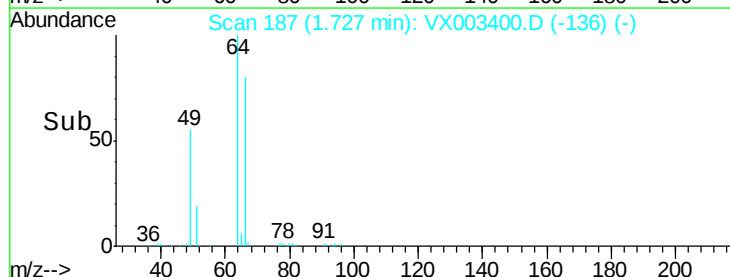
30000

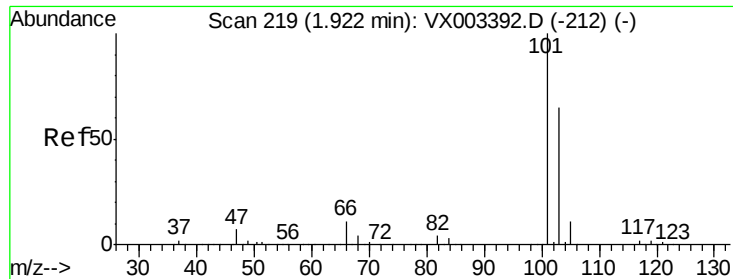
20000

10000

0

Time-->





#7

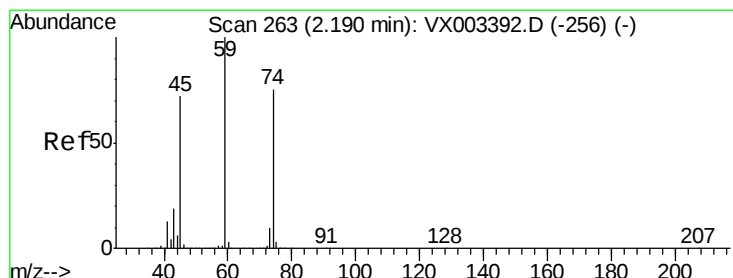
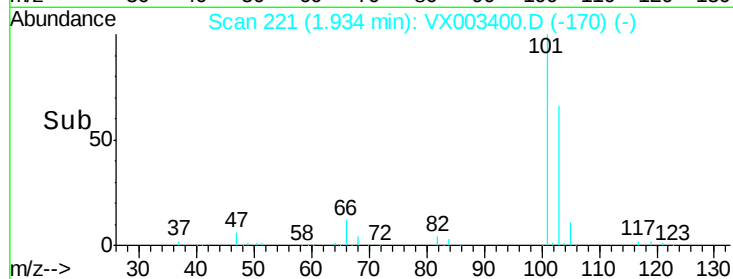
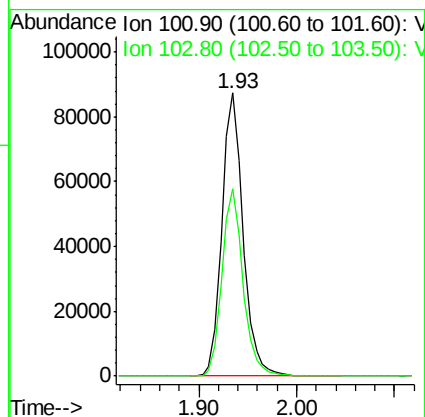
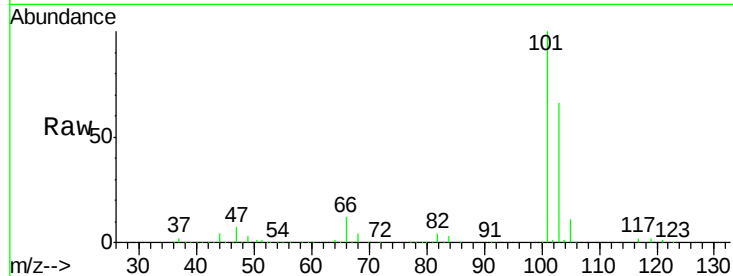
Trichlorofluoromethane
Concen: 20.89 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	66.3	52.8	79.2	

Manual Integrations
APPROVED

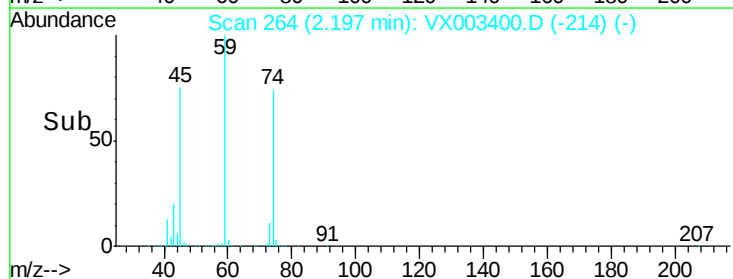
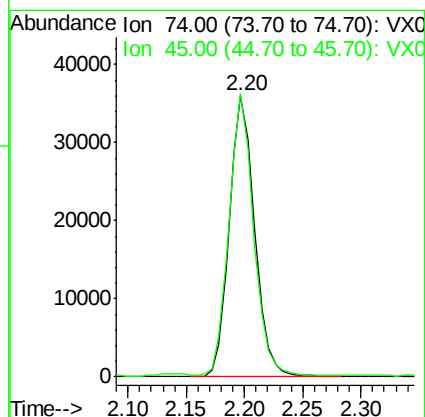
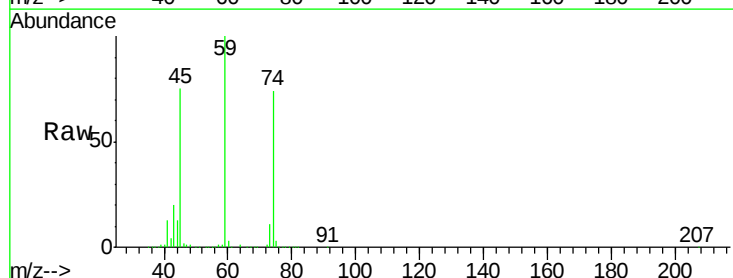
MMDadoda
7/17/2018 1:46:36 PM

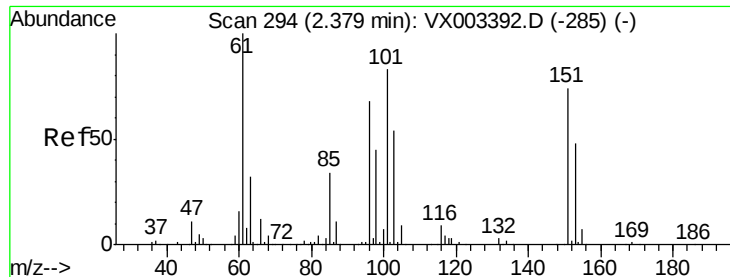


#8

Diethyl Ether
Concen: 20.36 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	97.3	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.03 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

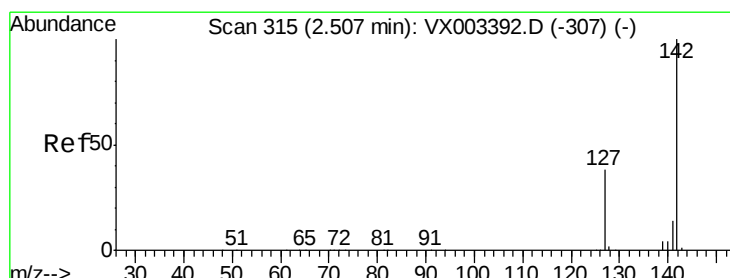
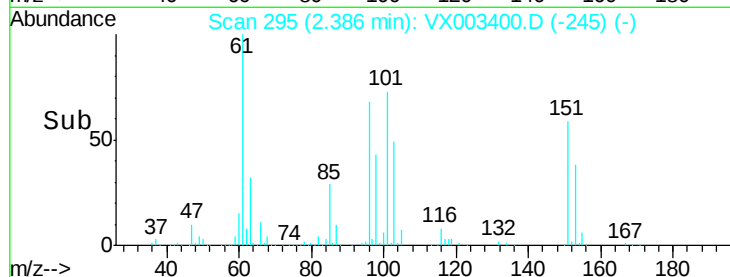
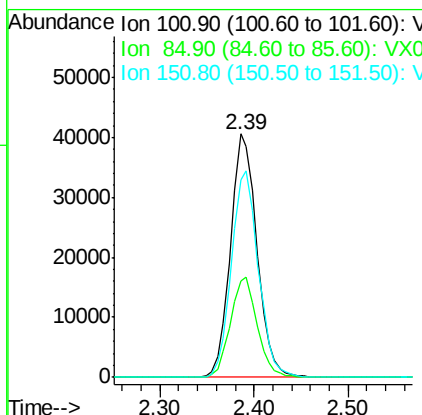
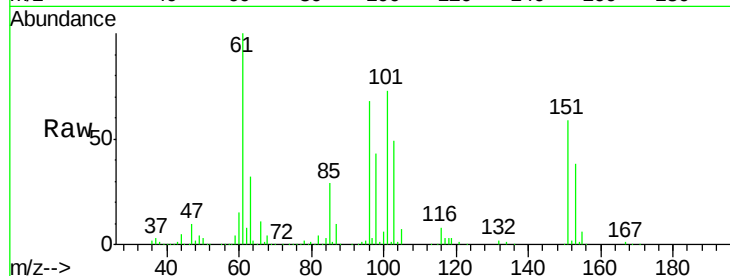
ClientSampleId :

VX0716WBSD01

Tot Ion:	101	Resp:	79323
Ion Ratio	Lower	Upper	
101	100		
85	41.7	36.0	54.0
151	86.1	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#10

Methyl Iodide

Concen: 17.45 ug/l

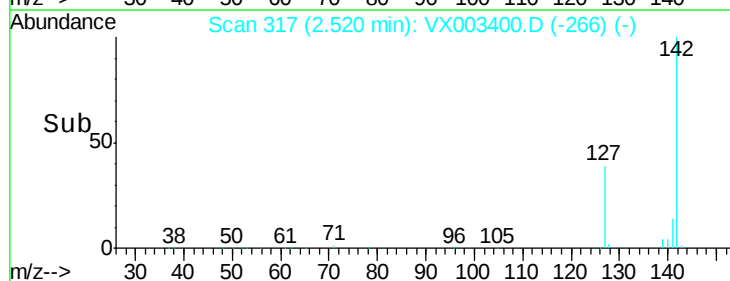
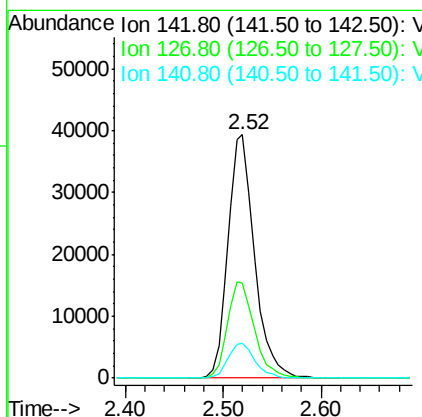
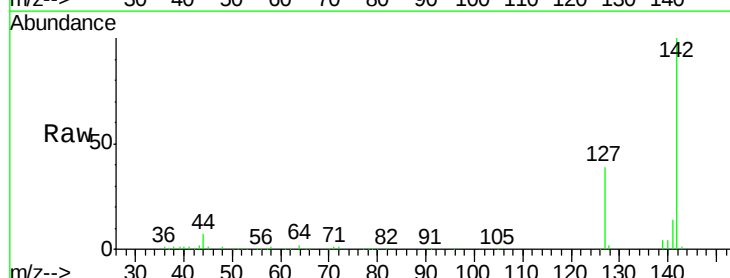
RT: 2.52 min Scan# 317

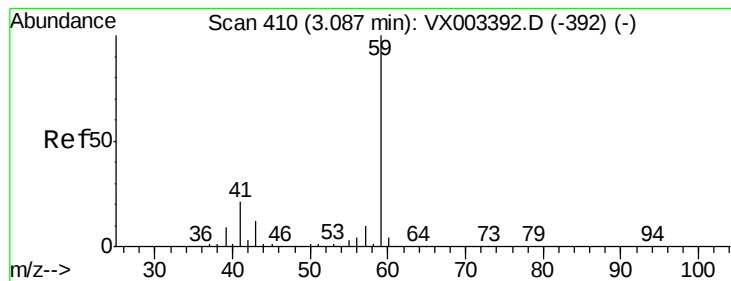
Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	142	Resp:	73934
Ion Ratio	Lower	Upper	
142	100		
127	40.1	36.6	55.0
141	14.5	11.3	16.9





#11

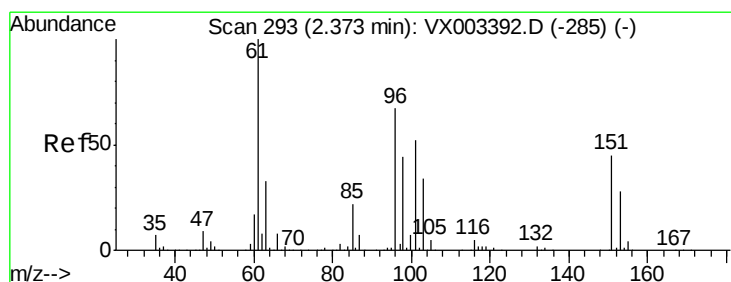
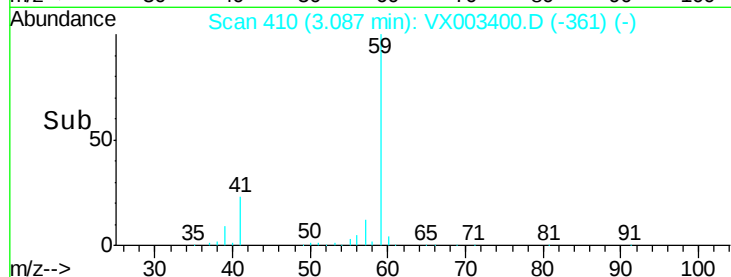
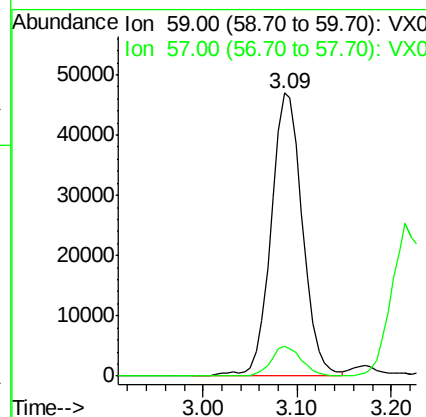
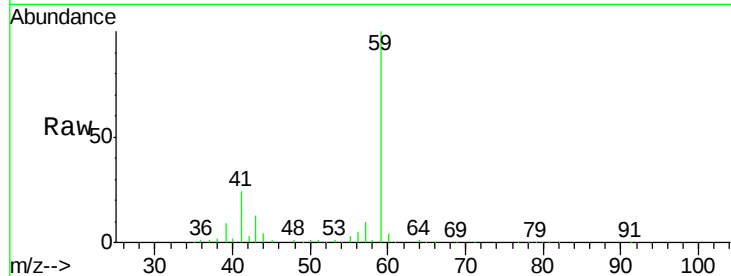
Tert butyl alcohol
Concen: 104.51 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
APPROVED

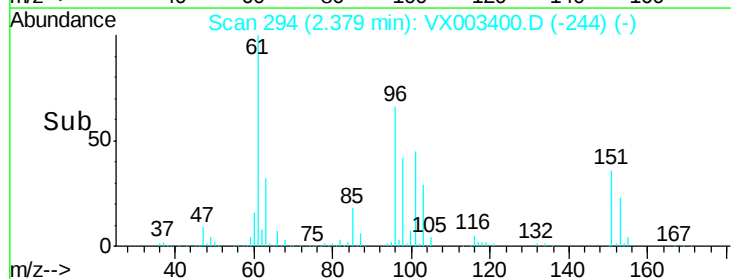
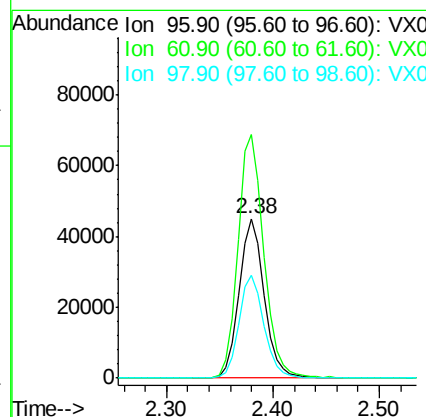
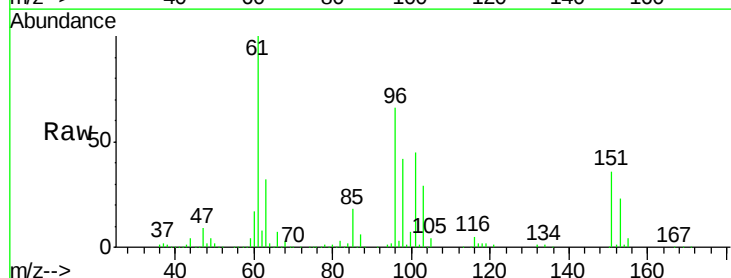
MMDadoda
7/17/2018 1:46:36 PM

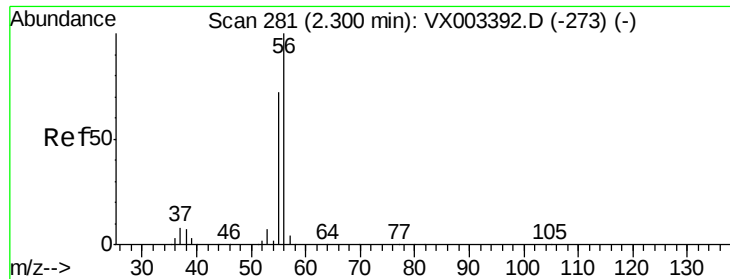


#12

1,1-Dichloroethene
Concen: 19.95 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	137.9	206.9
98	64.8	51.6	77.4





#13

Acrolein

Concen: 90.17 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 56 Resp: 45234

Ion Ratio Lower Upper

56 100

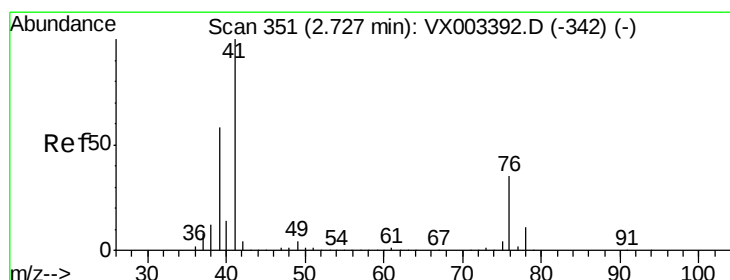
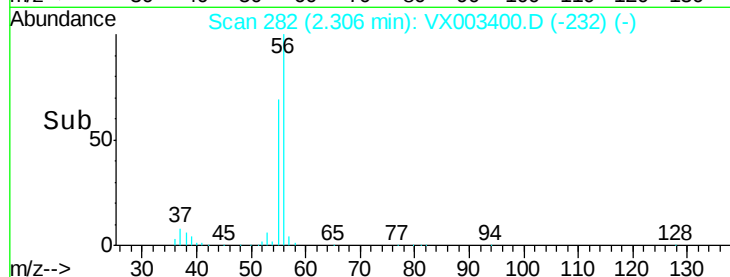
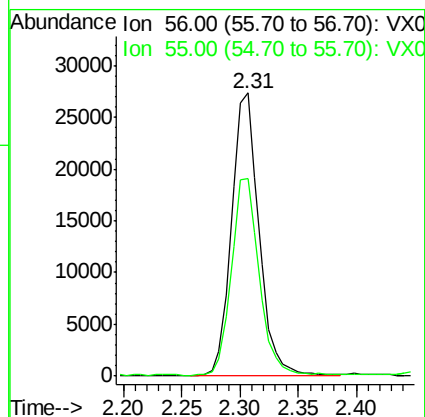
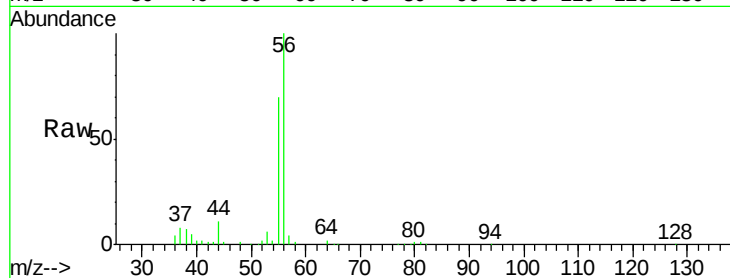
55 70.0 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/17/2018 1:46:36 PM



#14

Allyl chloride

Concen: 20.52 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

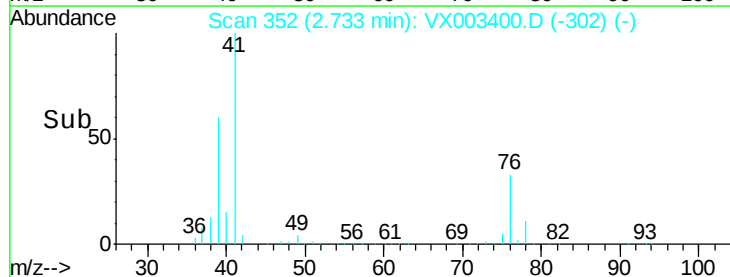
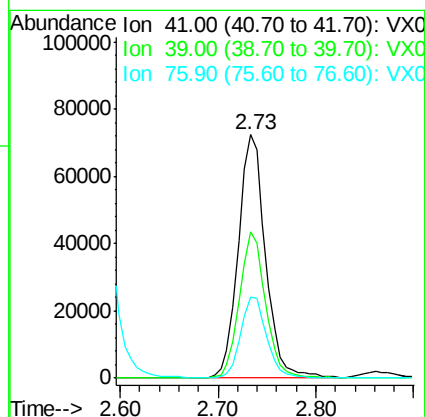
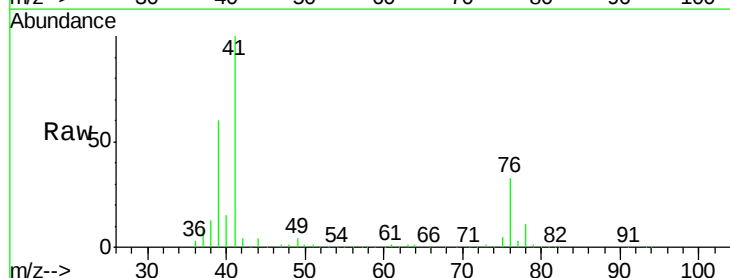
Tgt Ion: 41 Resp: 139346

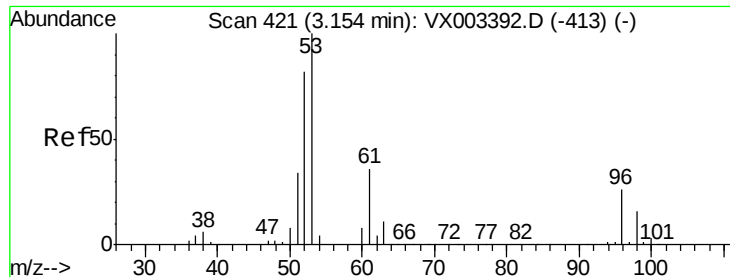
Ion Ratio Lower Upper

41 100

39 57.7 56.8 85.2

76 32.2 23.8 35.8





#15

Acrylonitrile

Concen: 104.06 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

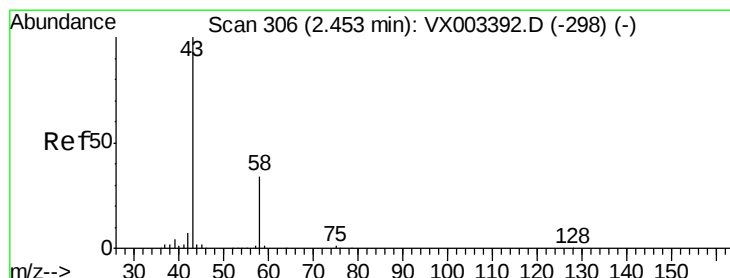
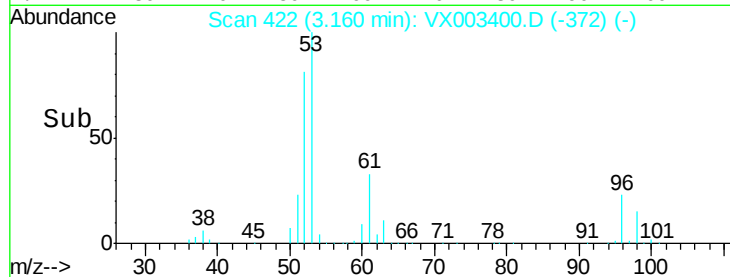
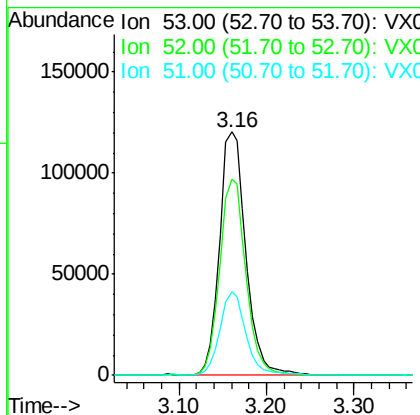
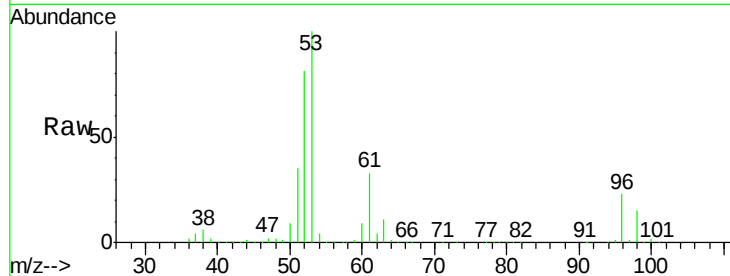
ClientSampleId :

VX0716WBSD01

Tot Ion:	53	Resp:	249320
Ion Ratio	Lower	Upper	
53	100		
52	80.7	66.7	100.1
51	34.2	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#16

Acetone

Concen: 103.50 ug/l

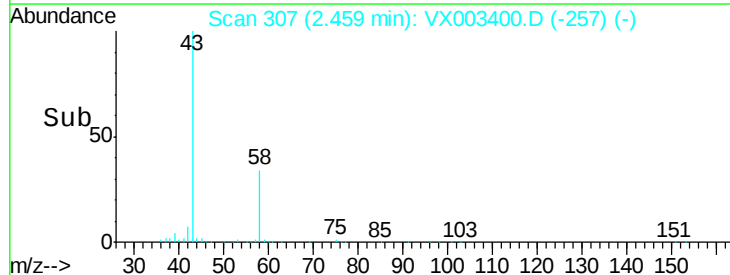
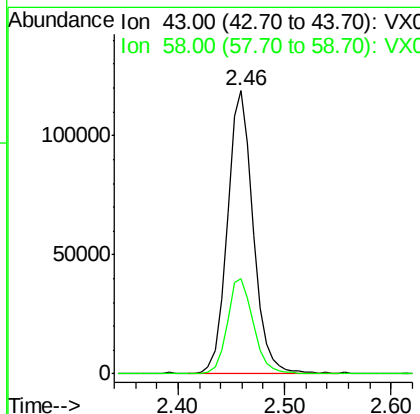
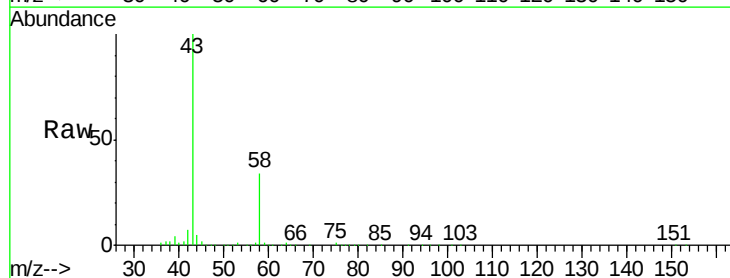
RT: 2.46 min Scan# 307

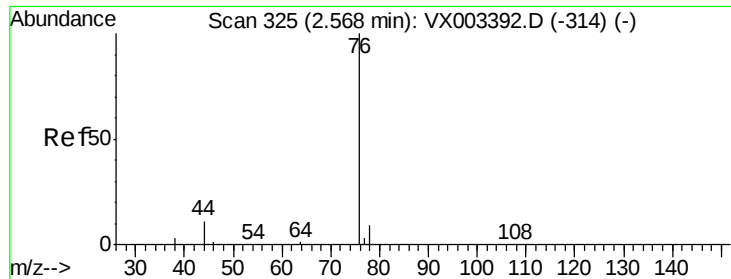
Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	43	Resp:	200182
Ion Ratio	Lower	Upper	
43	100		
58	33.6	22.1	33.1#





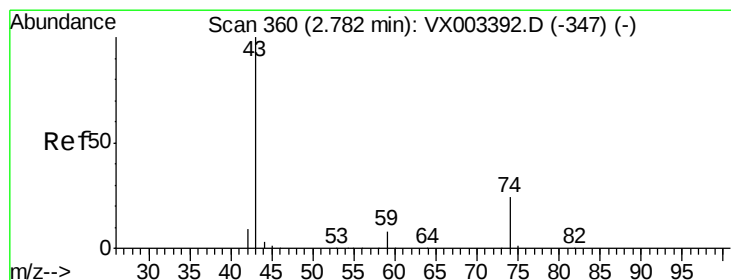
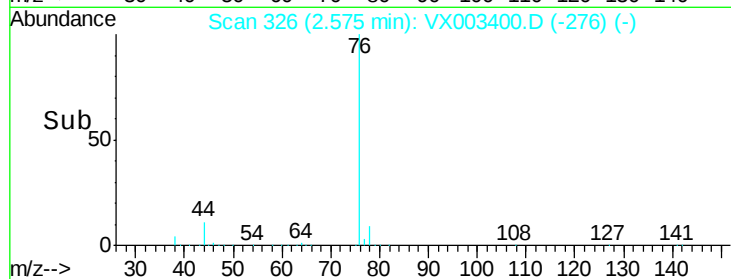
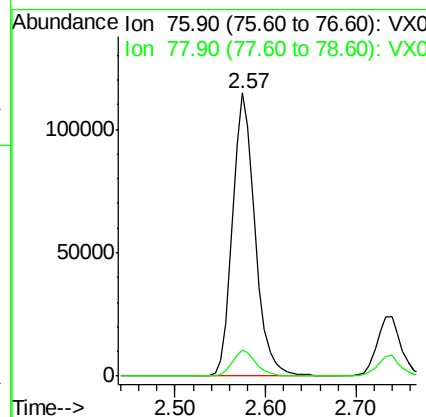
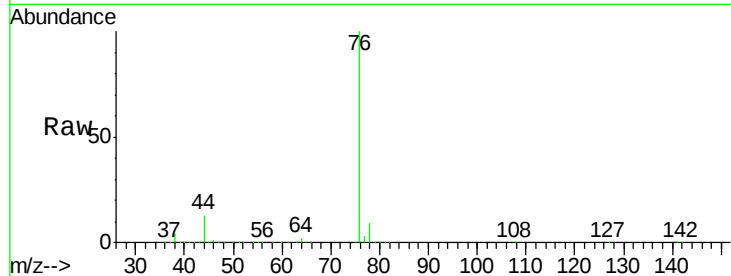
#17
Carbon Disulfide
Concen: 19.22 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

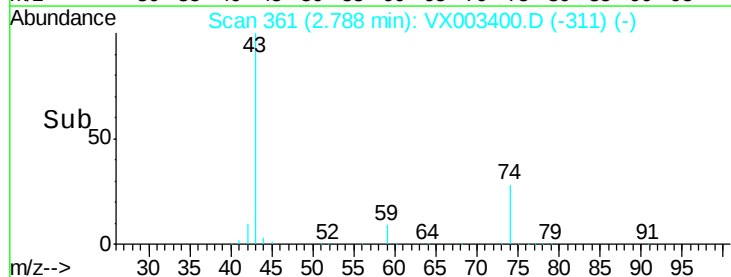
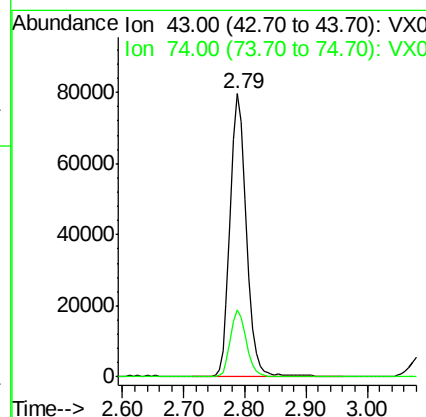
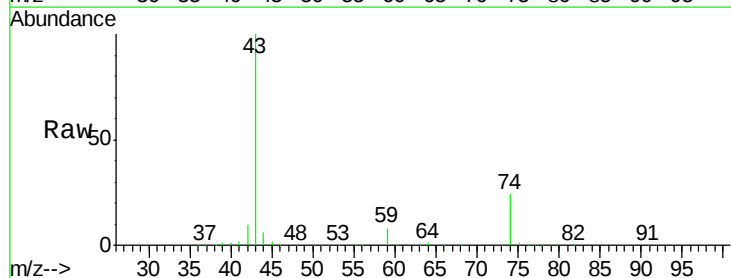
Manual Integrations
APPROVED

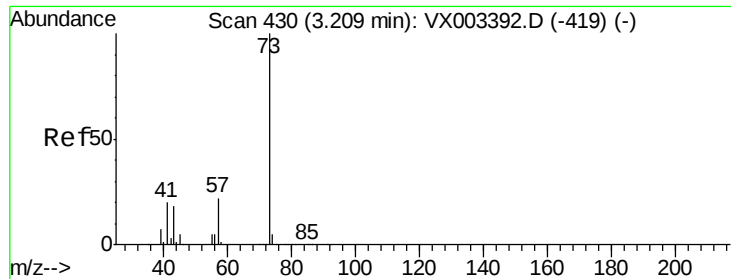
MMDadoda
7/17/2018 1:46:36 PM



#18
Methyl Acetate
Concen: 23.06 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	16.7	25.1





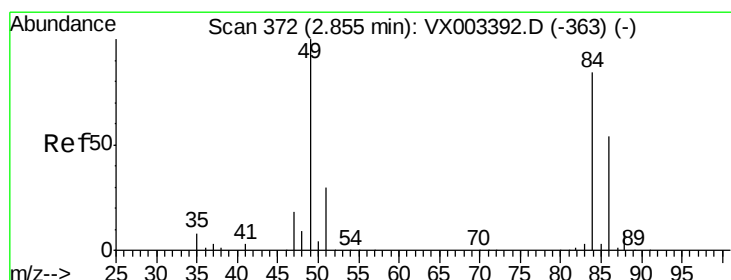
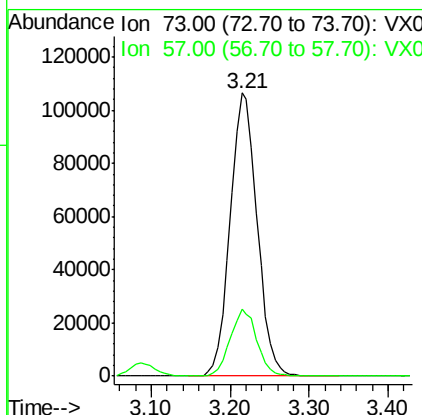
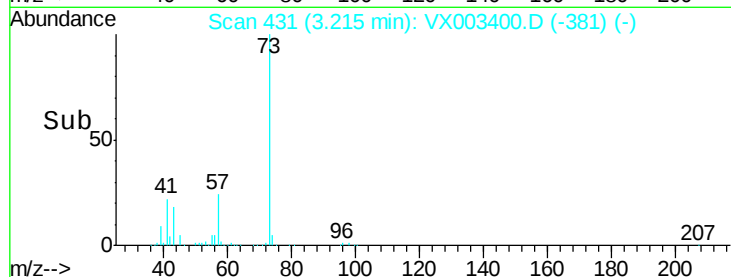
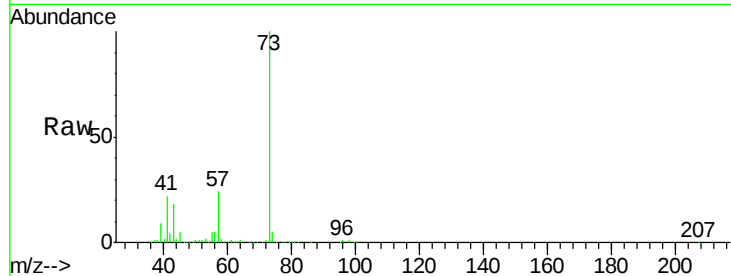
#19
Methyl tert-butyl Ether
Concen: 20.38 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion: 73 Resp: 253350
Ion Ratio Lower Upper
73 100
57 23.7 17.7 26.5

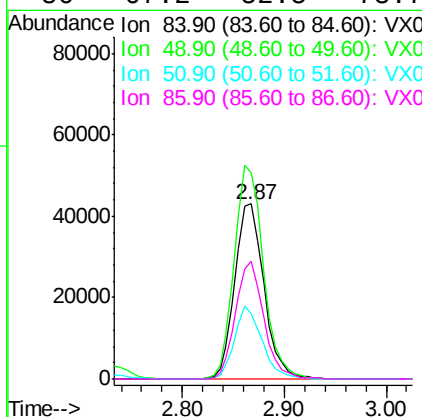
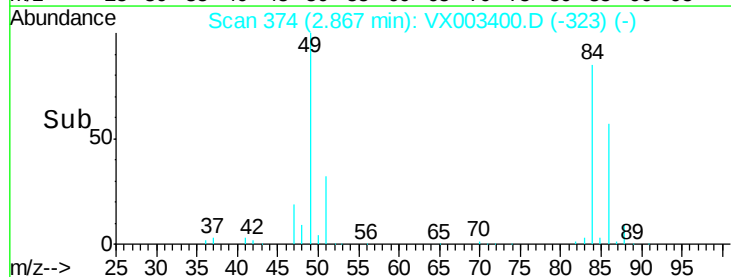
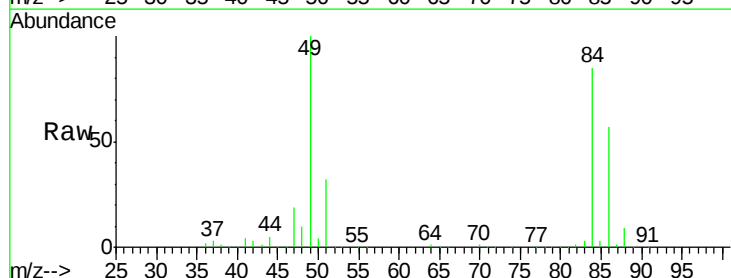
Manual Integrations
APPROVED

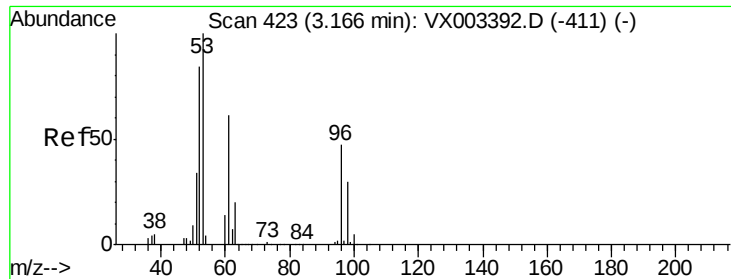
MMDadoda
7/17/2018 1:46:36 PM



#20
Methylene Chloride
Concen: 24.07 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 84 Resp: 85427
Ion Ratio Lower Upper
84 100
49 117.9 107.8 161.6
51 37.1 32.8 49.2
86 67.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

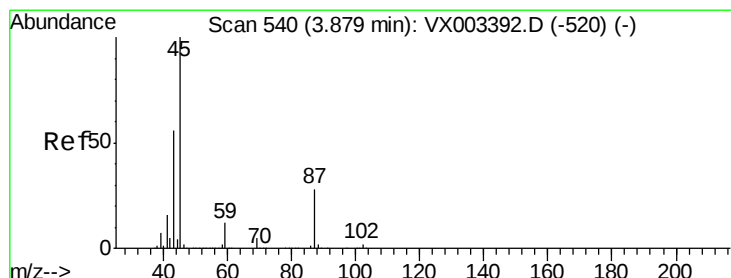
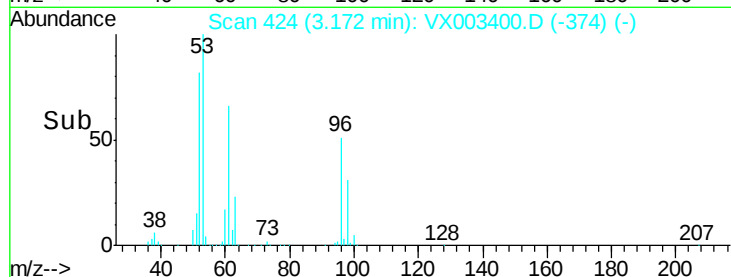
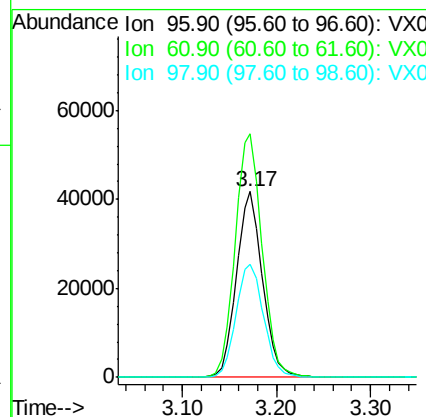
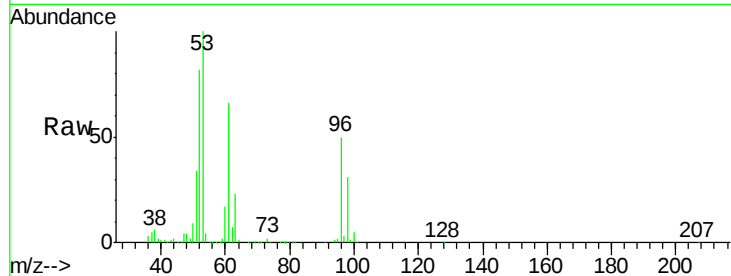
ClientSampleId :

VX0716WBSD01

Tot Ion:	96	Resp:	80371
Ion	Ratio	Lower	Upper
96	100		
61	131.3	117.0	175.4
98	60.9	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#22

Diisopropyl ether

Concen: 20.53 ug/l

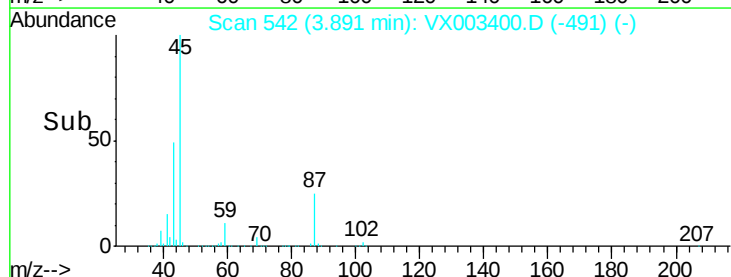
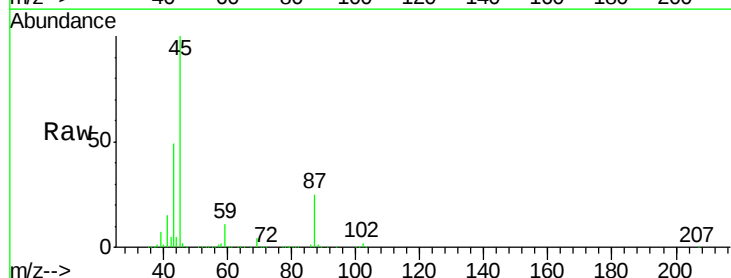
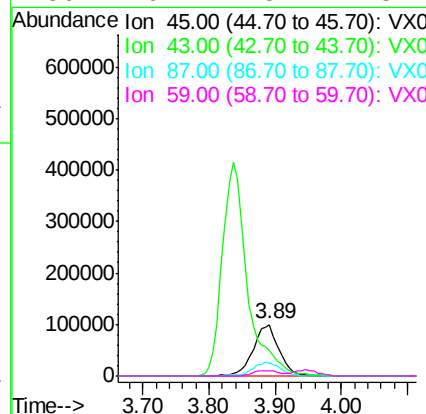
RT: 3.89 min Scan# 542

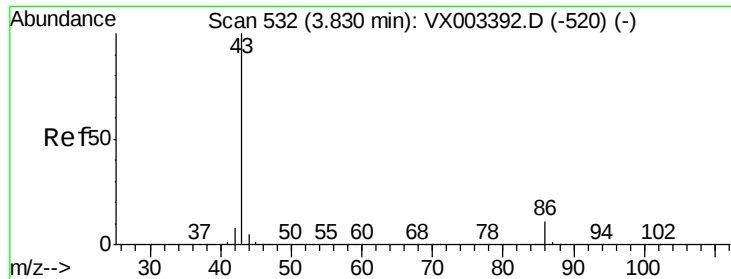
Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	45	Resp:	270396
Ion	Ratio	Lower	Upper
45	100		
43	48.9	46.8	70.2
87	25.0	20.2	30.4
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 100.40 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 43 Resp: 1090484

Ion Ratio Lower Upper

43 100

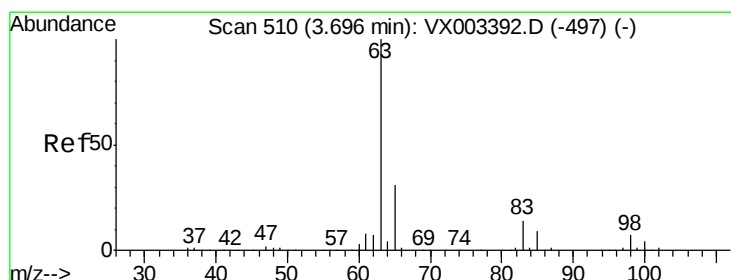
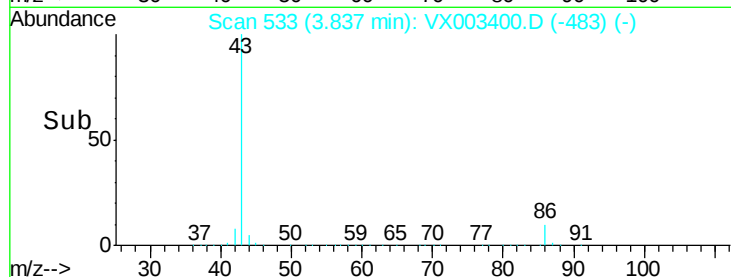
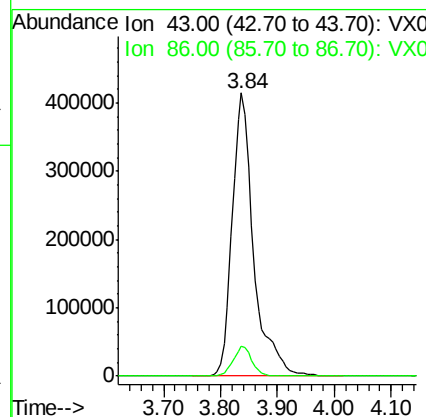
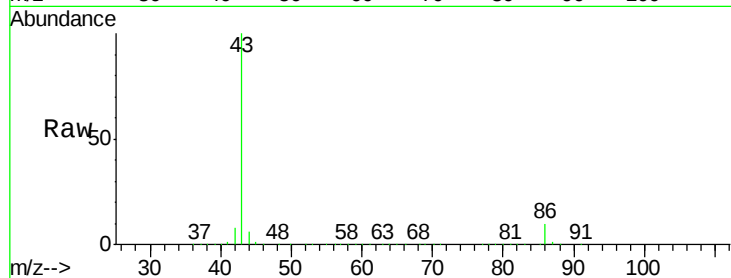
86 10.4 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/17/2018 1:46:36 PM



#24

1,1-Dichloroethane

Concen: 20.47 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

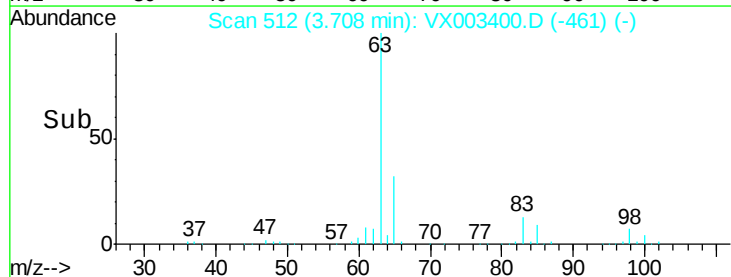
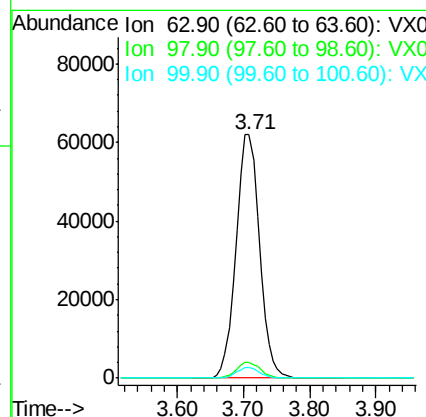
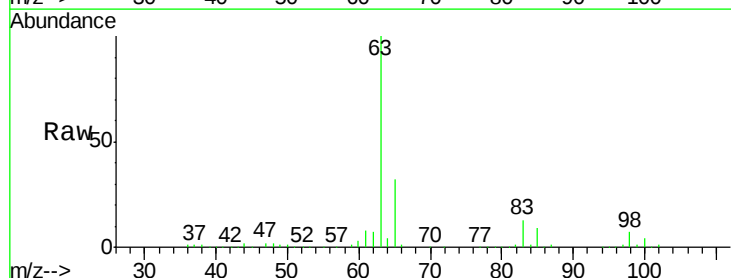
Tgt Ion: 63 Resp: 152962

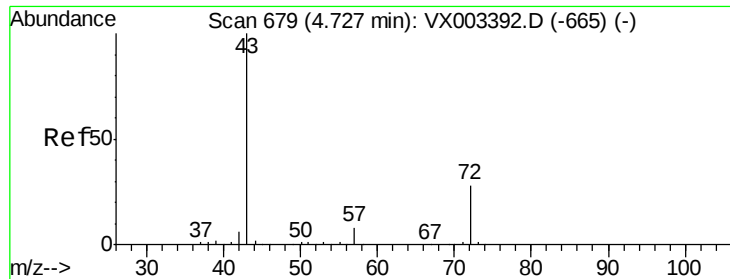
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 106.30 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 43 Resp: 321779

Ion Ratio Lower Upper

43 100

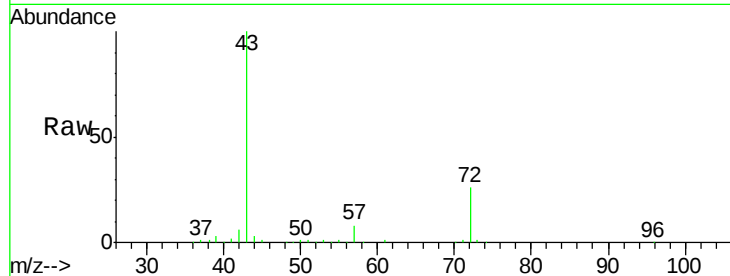
72 25.8 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

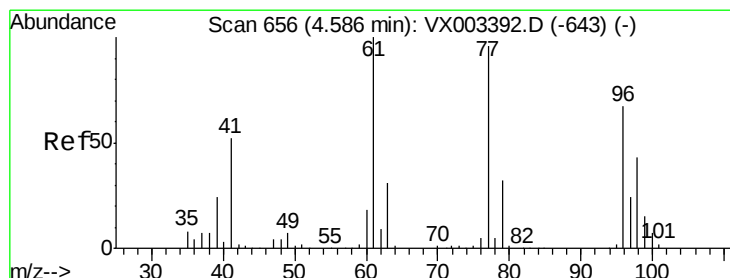
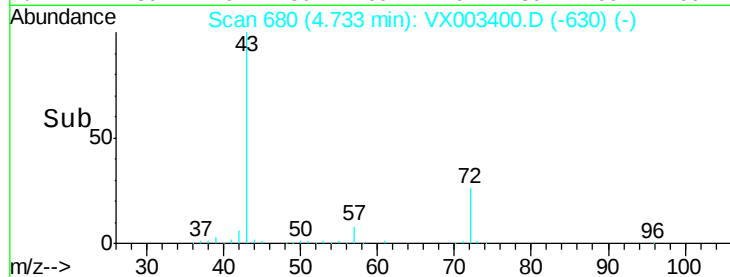
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.19 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX003400.D

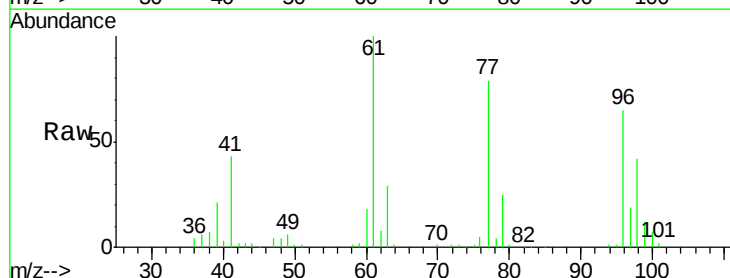
Acq: 16 Jul 2018 20:05

Tgt Ion: 77 Resp: 84893

Ion Ratio Lower Upper

77 100

97 25.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

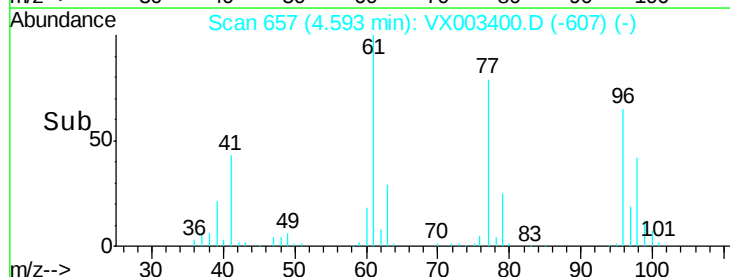
10000

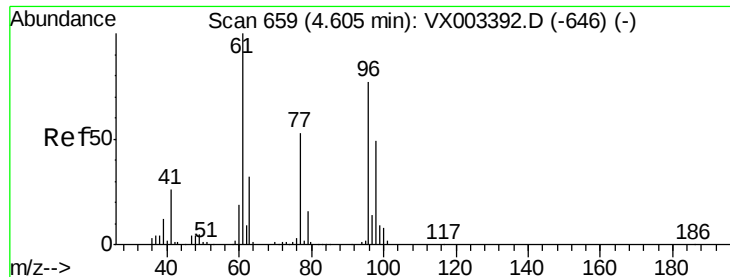
5000

0

4.50 4.60 4.70

Time-->





#27

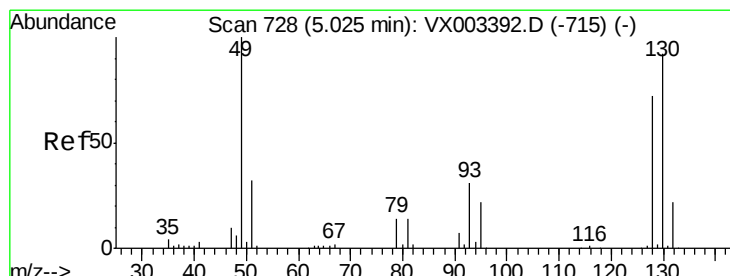
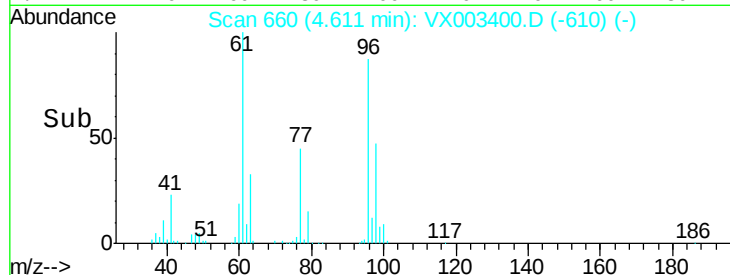
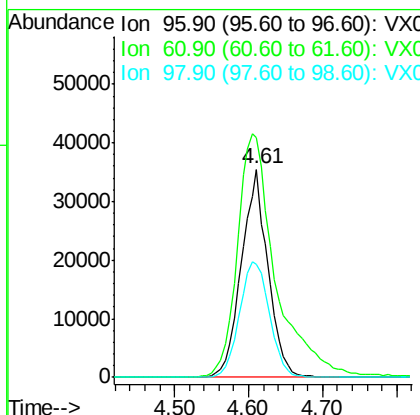
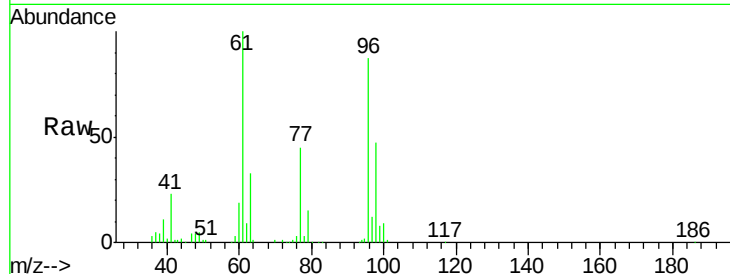
cis-1,2-Dichloroethene
Concen: 20.40 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.3	0.0	330.2
98	63.1	0.0	130.2

Manual Integrations
APPROVED

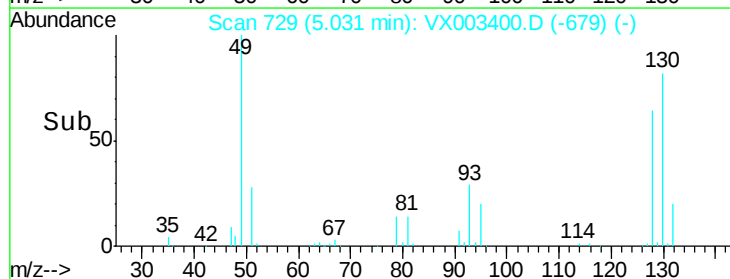
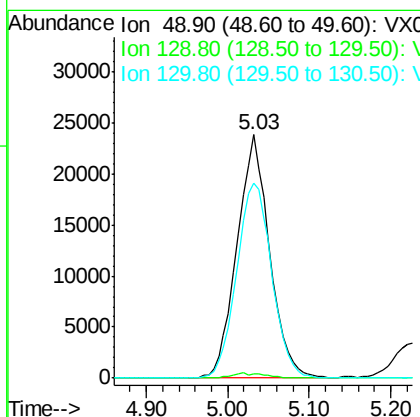
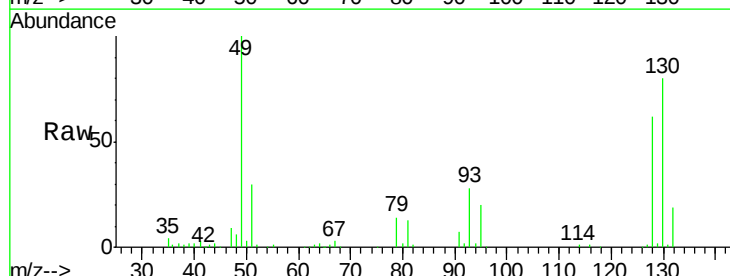
MMDadoda
7/17/2018 1:46:36 PM

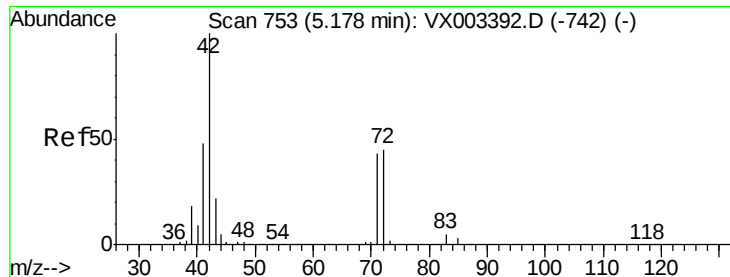


#28

Bromochloromethane
Concen: 20.34 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.2	61.2	91.8





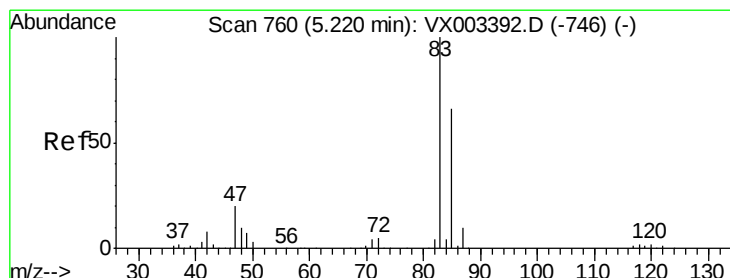
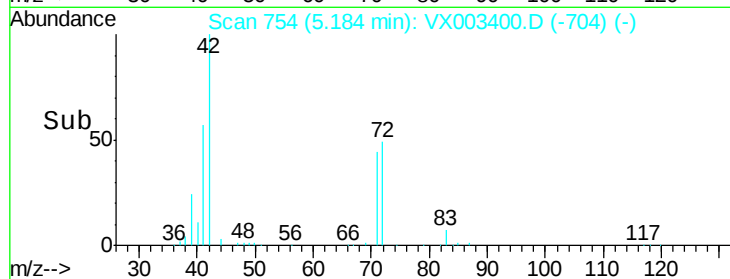
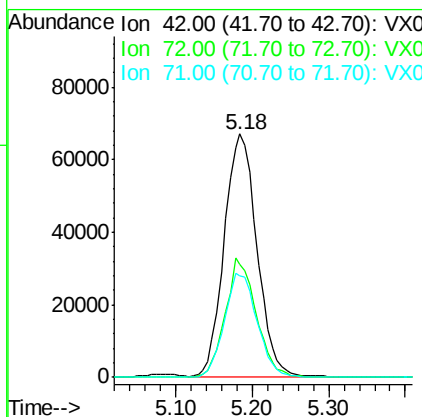
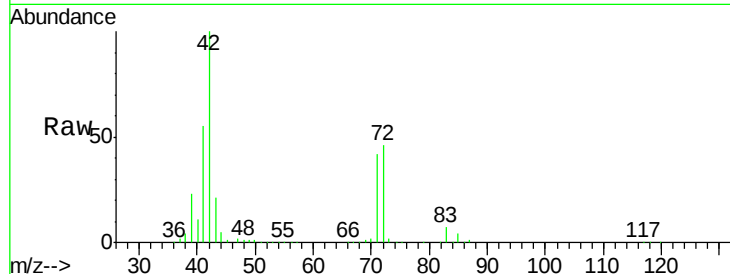
#29
Tetrahydrofuran
Concen: 103.31 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	32.0	48.0
71	43.1	30.1	45.1

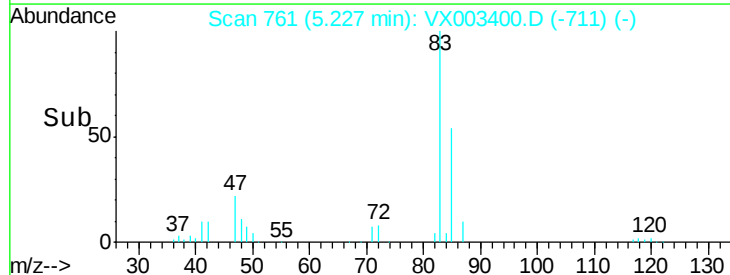
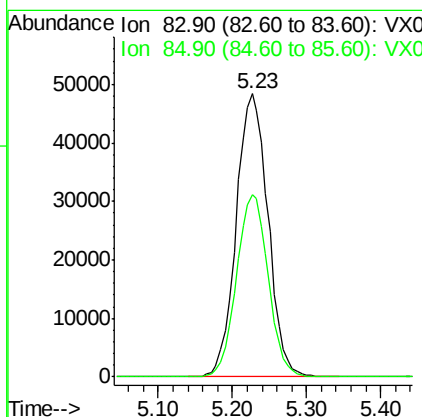
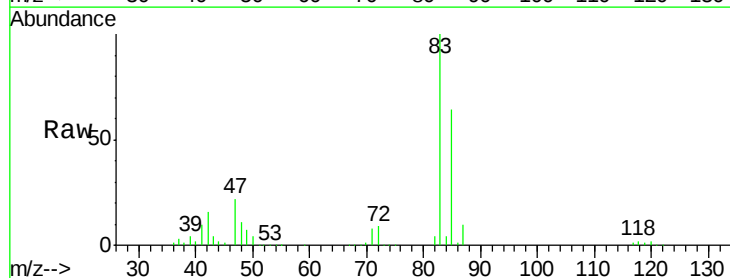
Manual Integrations
APPROVED

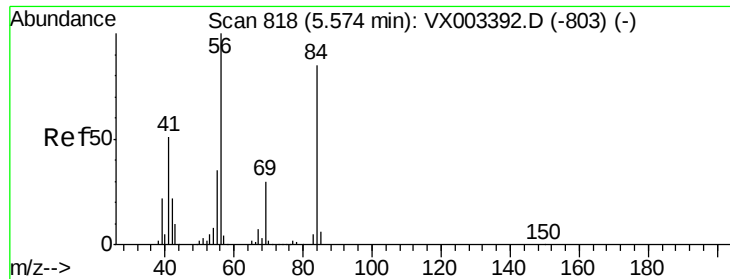
MMDadoda
7/17/2018 1:46:36 PM



#30
Chloroform
Concen: 20.98 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





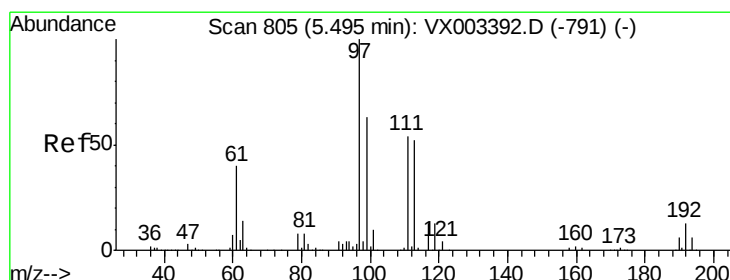
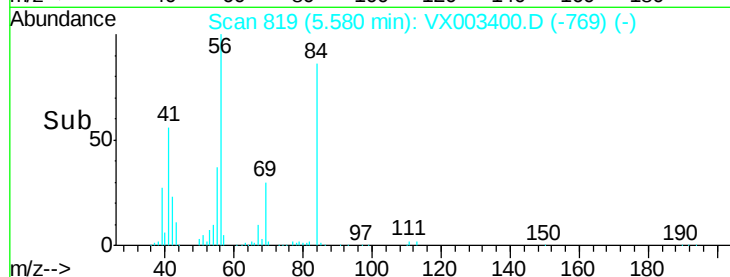
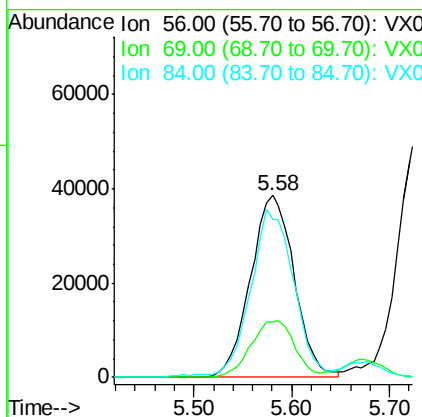
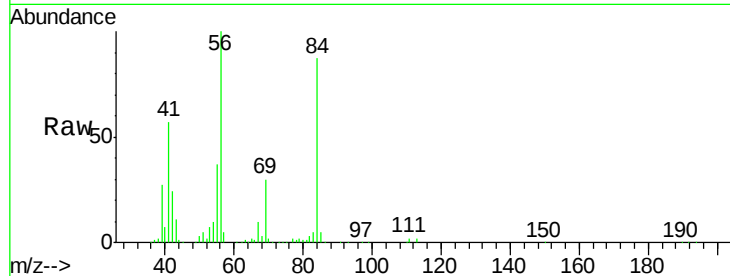
#31
Cyclohexane
Concen: 20.76 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.7	35.5
84	85.4	64.1	96.1

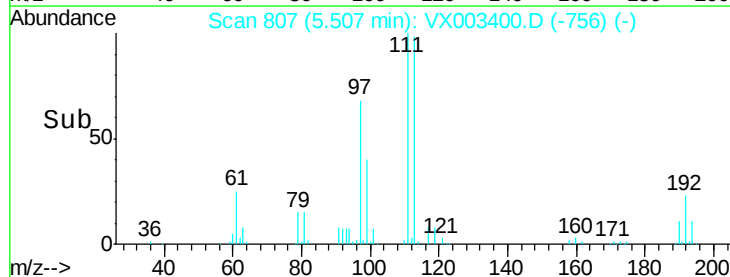
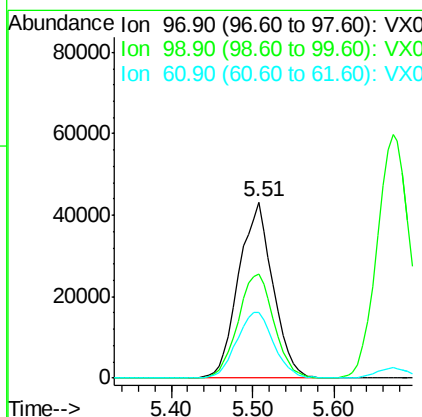
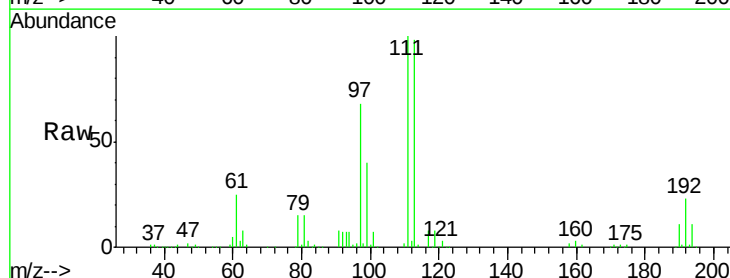
Manual Integrations
APPROVED

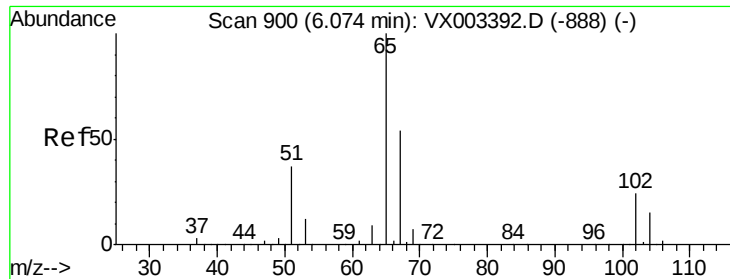
MMDadoda
7/17/2018 1:46:36 PM



#32
1,1,1-Trichloroethane
Concen: 21.47 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.6	77.4
61	40.7	36.4	54.6





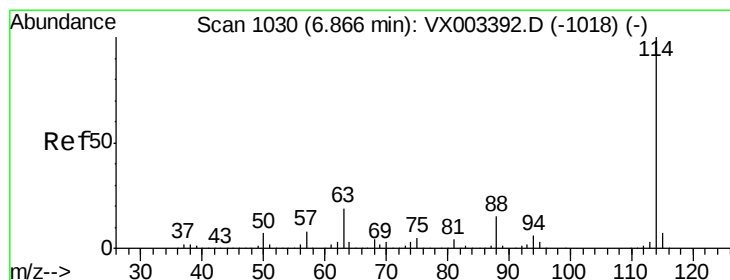
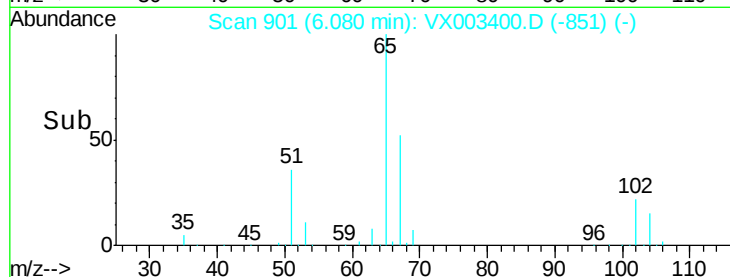
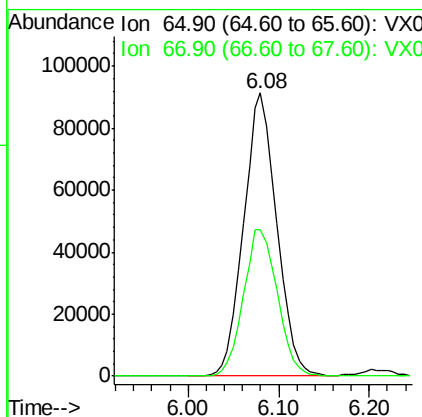
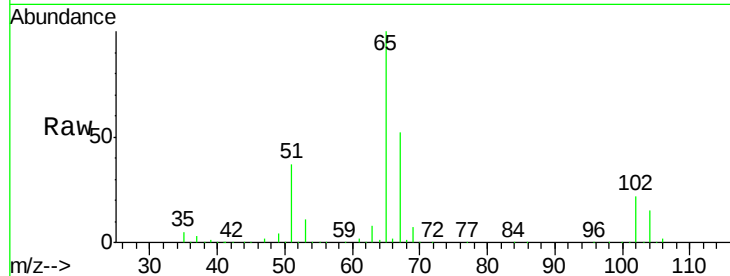
#33
 1,2-Dichloroethane-d4
 Concen: 49.57 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230508		
67	53.5	0.0	102.6	

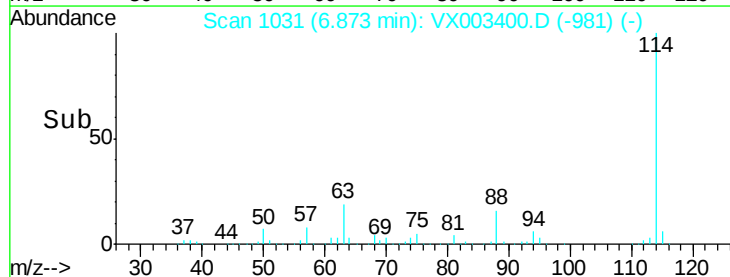
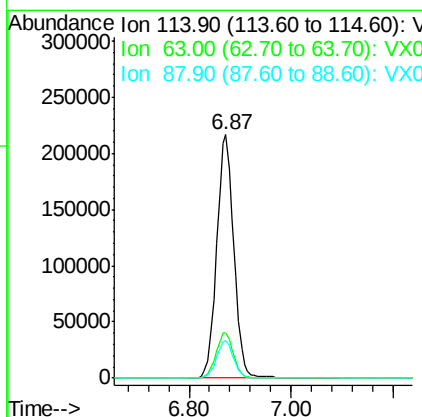
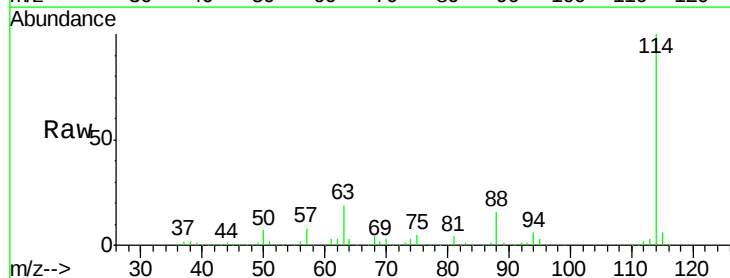
Manual Integrations
 APPROVED

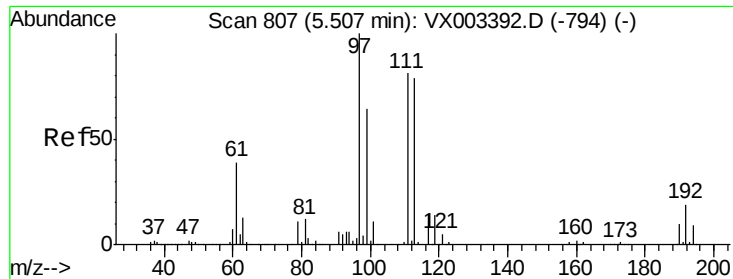
MMDadoda
 7/17/2018 1:46:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	504339		
63	18.6	0.0	41.4	
88	15.5	0.0	30.0	





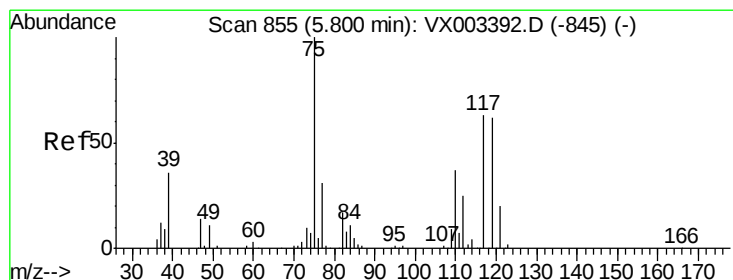
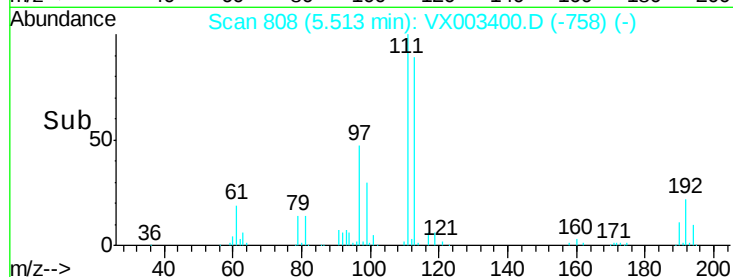
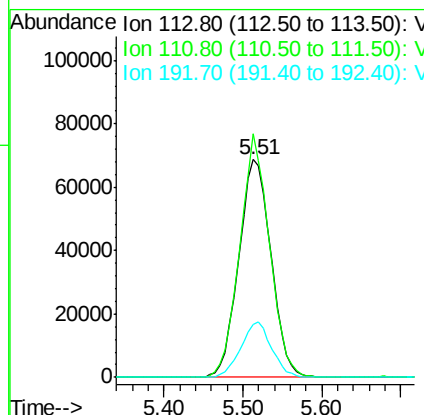
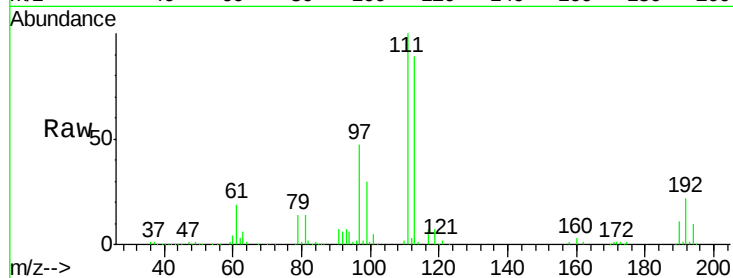
#35
Dibromofluoromethane
Concen: 47.94 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195636		
111	102.7	81.4	122.0	
192	24.2	19.1	28.7	

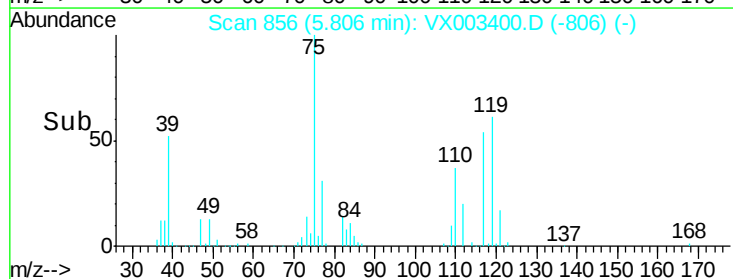
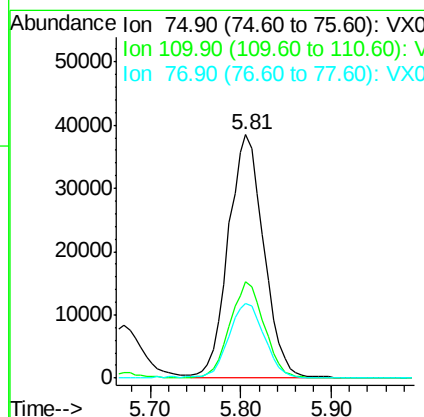
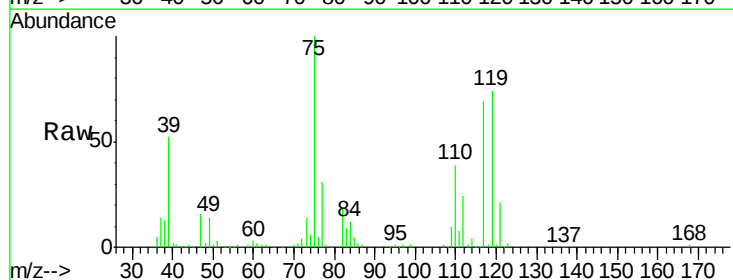
Manual Integrations
APPROVED

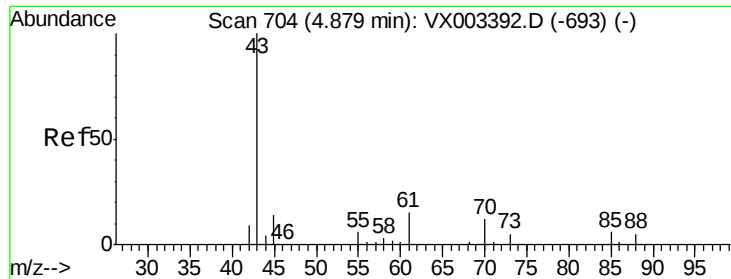
MMDadoda
7/17/2018 1:46:36 PM



#36
1,1-Dichloropropene
Concen: 20.28 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103583		
110	38.7	18.1	54.4	
77	31.5	24.3	36.5	





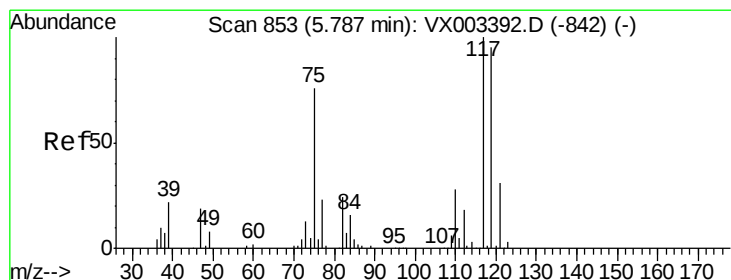
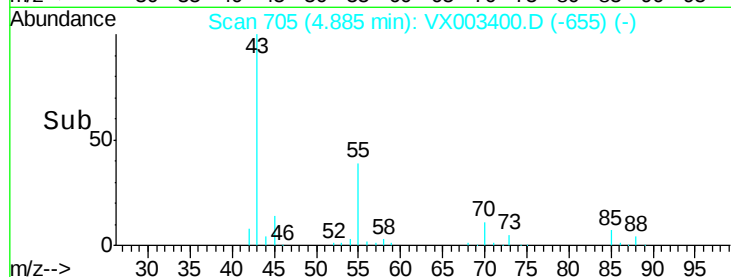
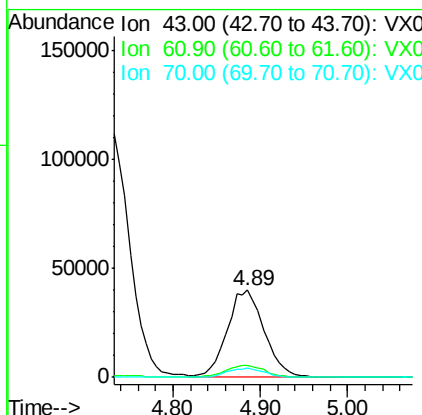
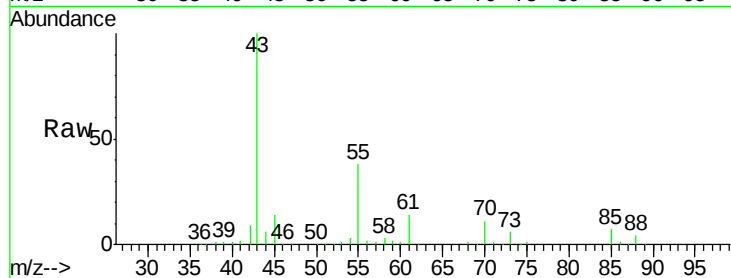
#37
Ethyl Acetate
Concen: 20.40 ug/l
RT: 4.89 min Scan# 705
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.4	15.6
70	10.8	7.6	11.4

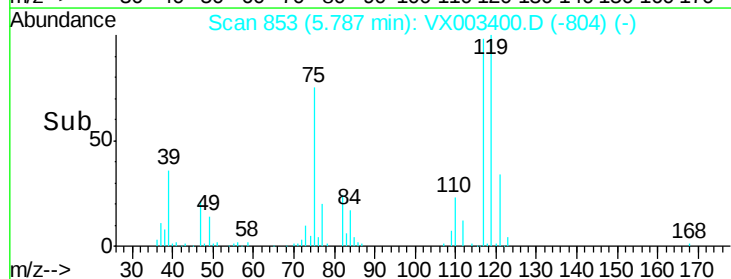
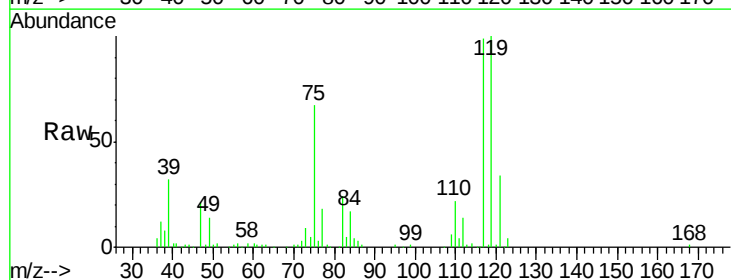
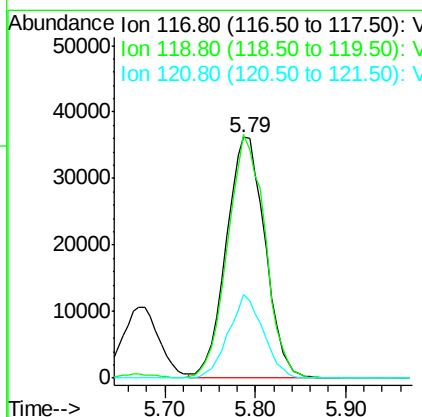
Manual Integrations
APPROVED

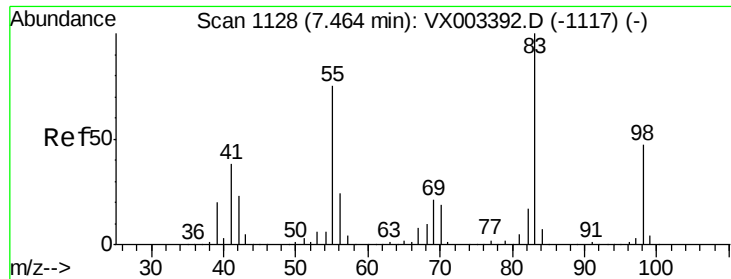
MMDadoda
7/17/2018 1:46:36 PM



#38
Carbon Tetrachloride
Concen: 20.65 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.2	77.4	116.0
121	34.8	24.4	36.6





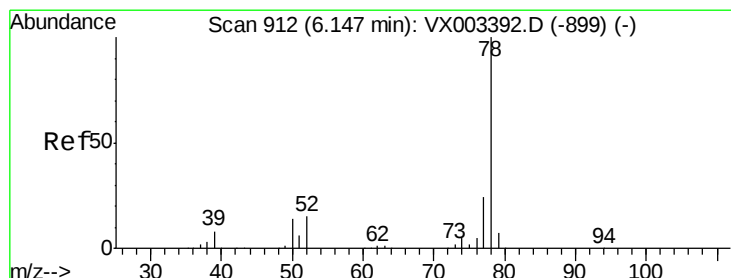
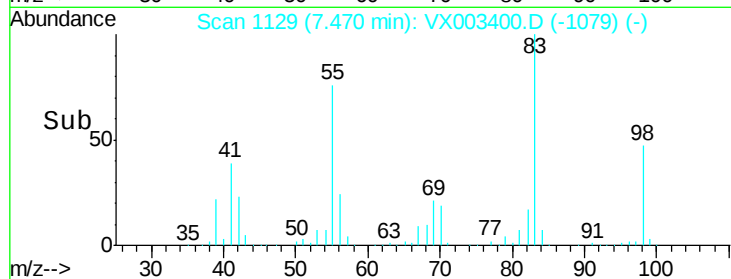
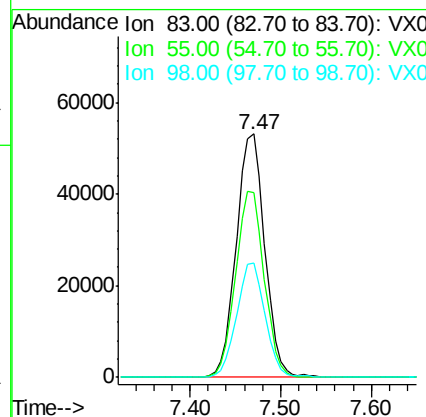
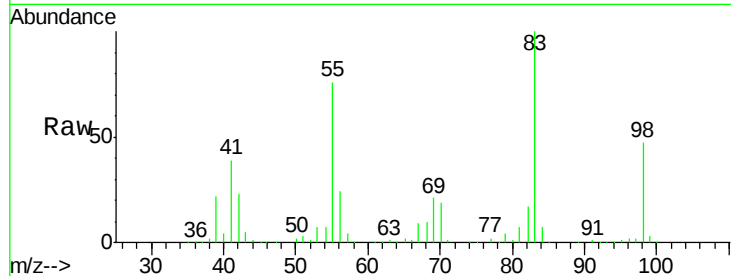
#39
Methylvlcyclohexane
Concen: 19.89 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	65.4	98.0	
98	47.1	37.4	56.0	

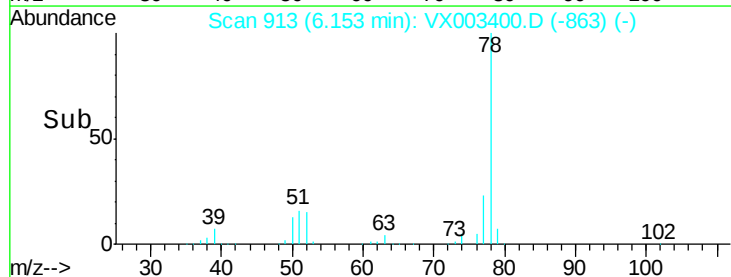
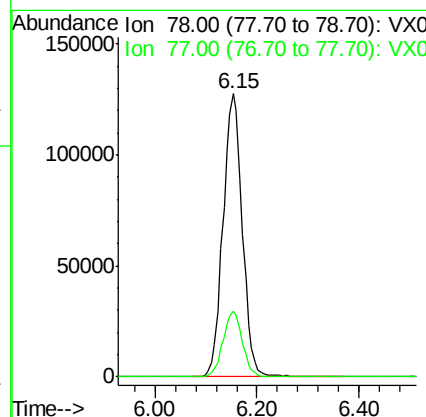
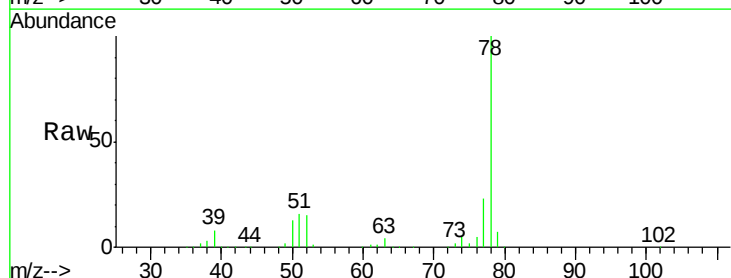
Manual Integrations
APPROVED

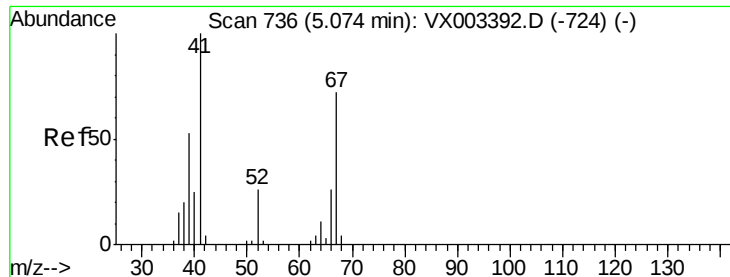
MMDadoda
7/17/2018 1:46:36 PM



#40
Benzene
Concen: 21.45 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.1	28.7	





#41

Methacrylonitrile

Concen: 20.74 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

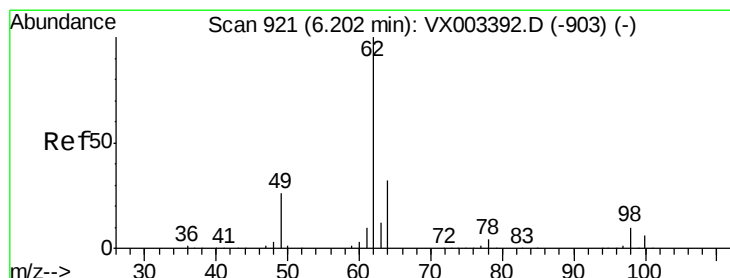
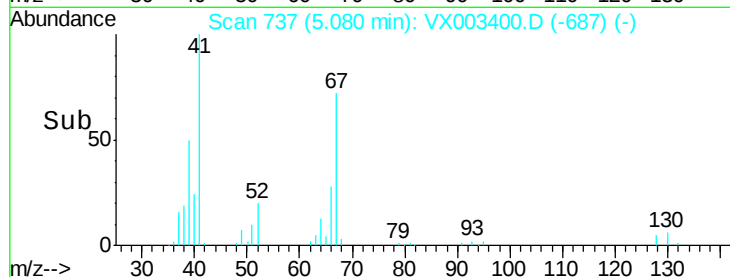
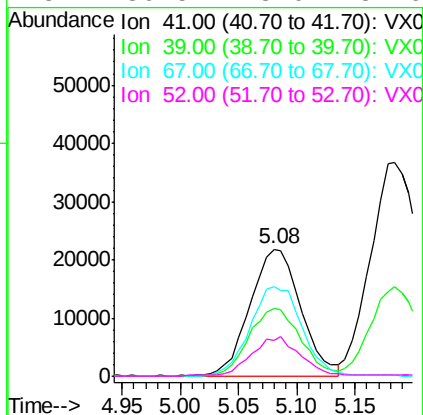
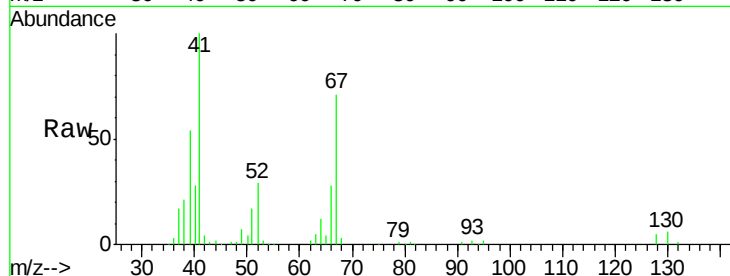
ClientSampleId :

VX0716WBSD01

Tot Ion:	41	Resp:	65629
Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.8	68.6
67	73.1	51.3	76.9
52	30.5	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#42

1,2-Dichloroethane

Concen: 20.69 ug/l

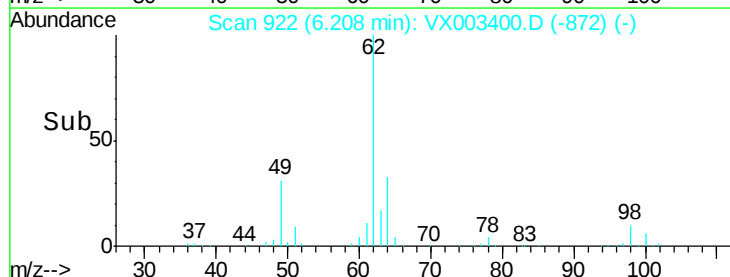
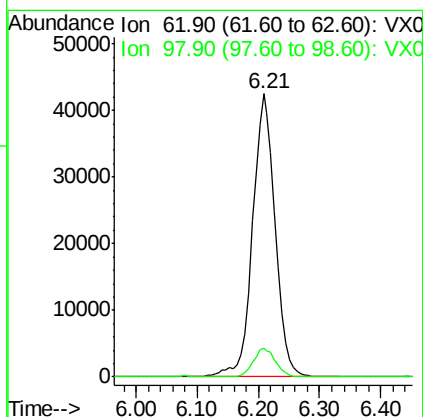
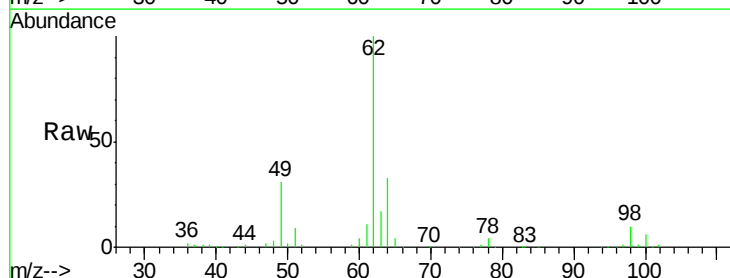
RT: 6.21 min Scan# 922

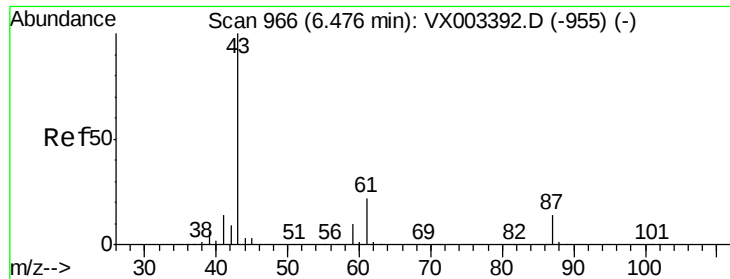
Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	62	Resp:	110253
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	16.6





#43

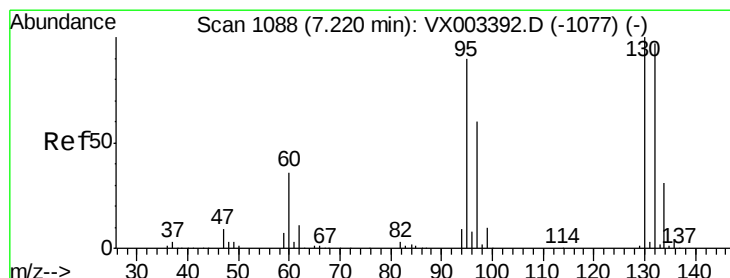
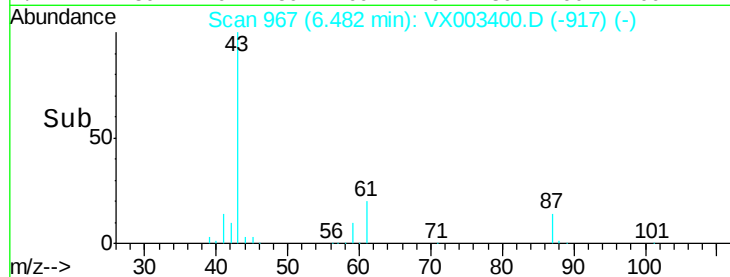
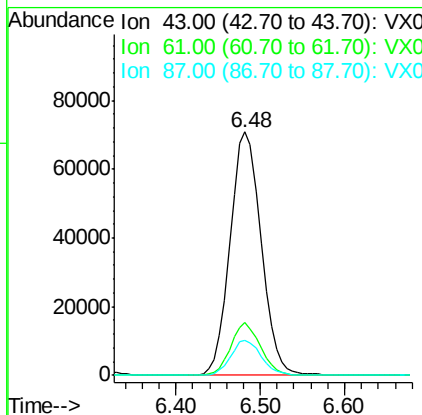
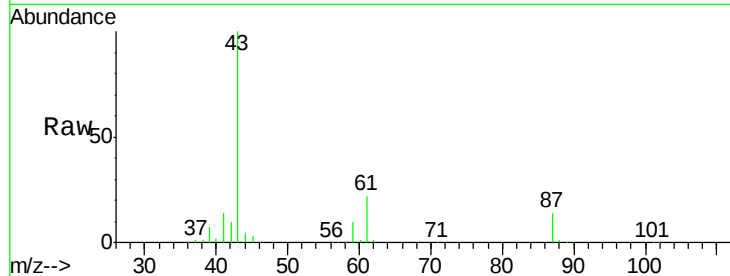
Isopropyl Acetate
 Concen: 20.34 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	14.4	21.6
87	14.0	9.5	14.3

Manual Integrations
 APPROVED

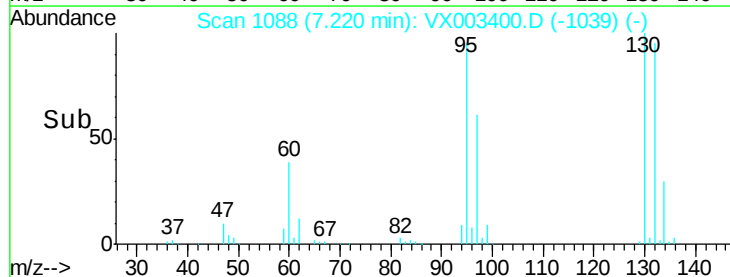
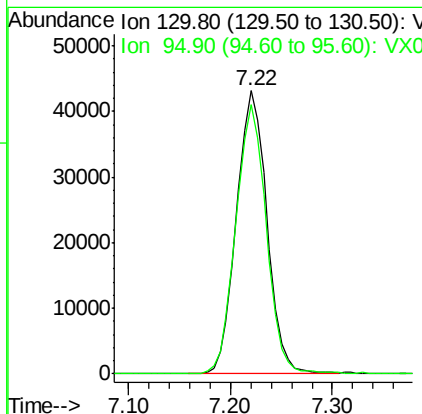
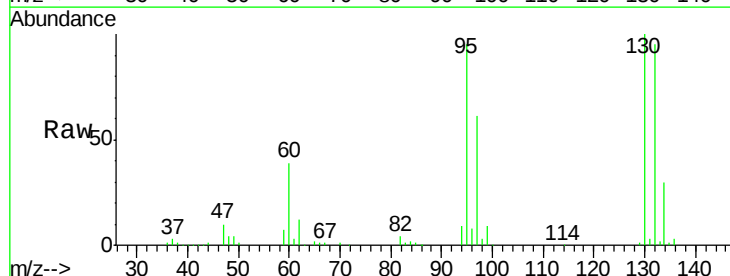
MMDadoda
 7/17/2018 1:46:36 PM

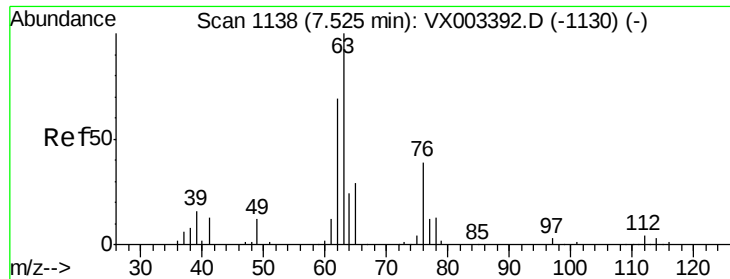


#44

Trichloroethene
 Concen: 19.96 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	185.4





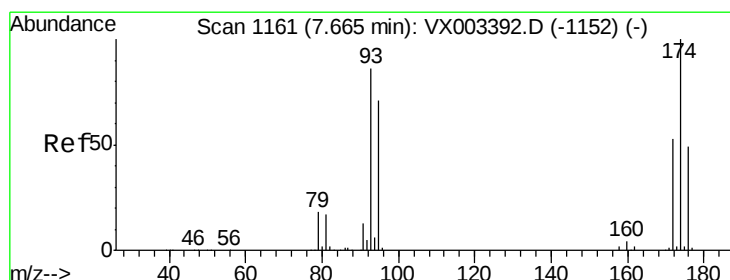
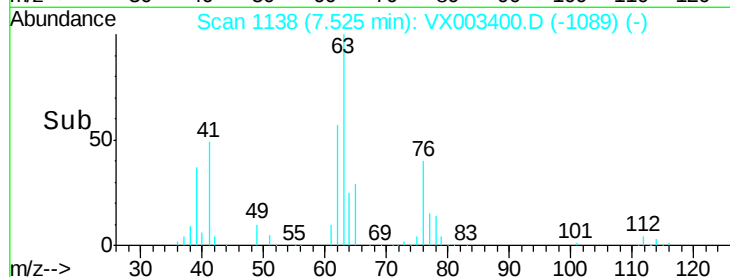
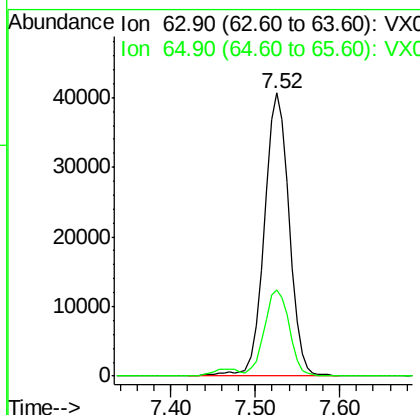
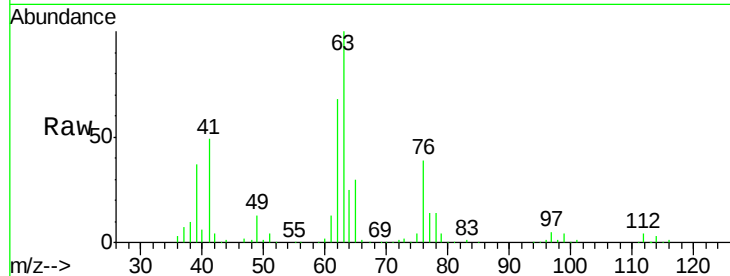
#45
 1,2-Dichloropropane
 Concen: 20.58 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion: 63 Resp: 83206
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1

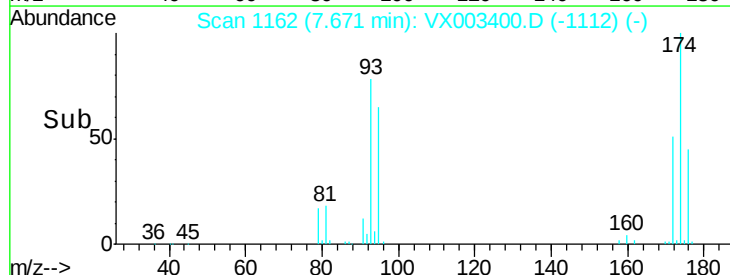
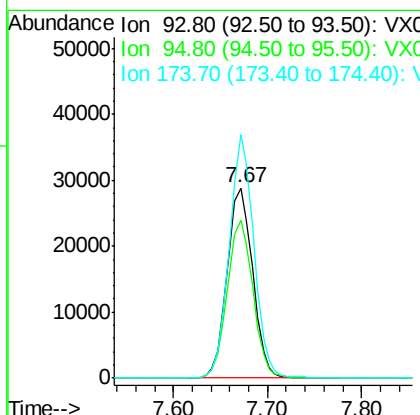
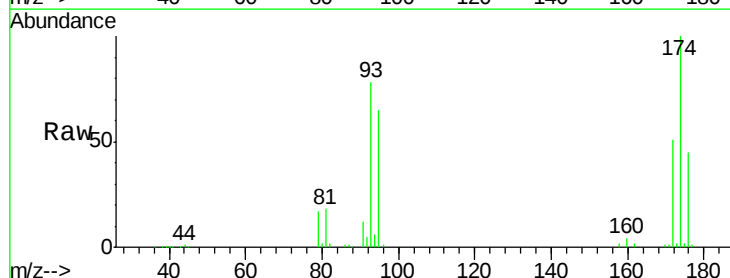
Manual Integrations
 APPROVED

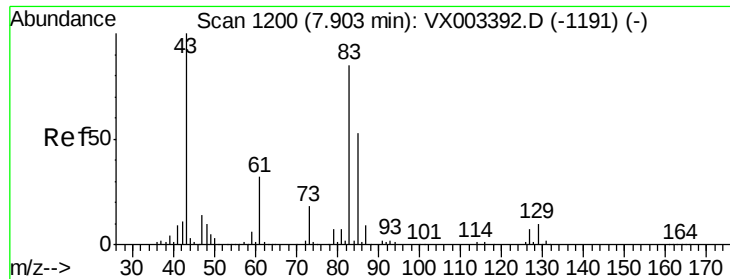
MMDadoda
 7/17/2018 1:46:36 PM



#46
 Dibromomethane
 Concen: 20.32 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 93 Resp: 54679
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 122.6 92.4 138.6





#47

Bromodichloromethane

Concen: 20.49 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

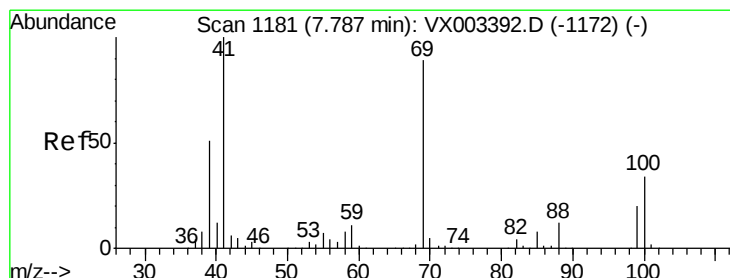
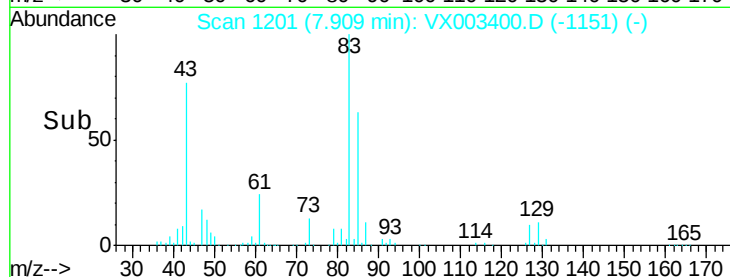
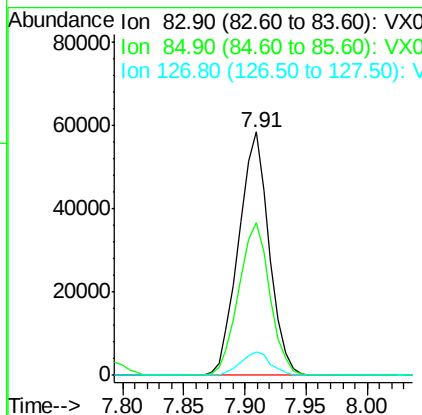
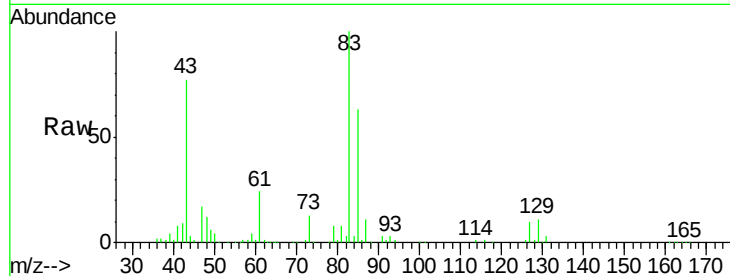
ClientSampleId :

VX0716WBSD01

Tot Ion:	83	Resp:	101006
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.3	75.5
127	9.6	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#48

Methyl methacrylate

Concen: 21.03 ug/l

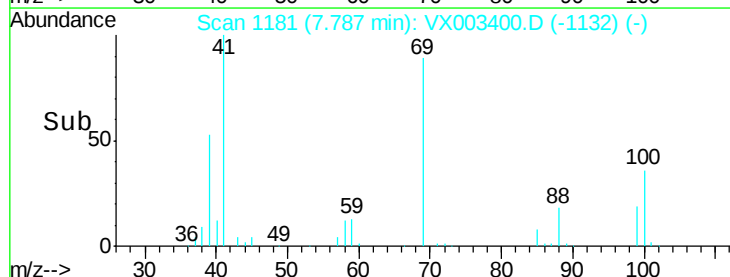
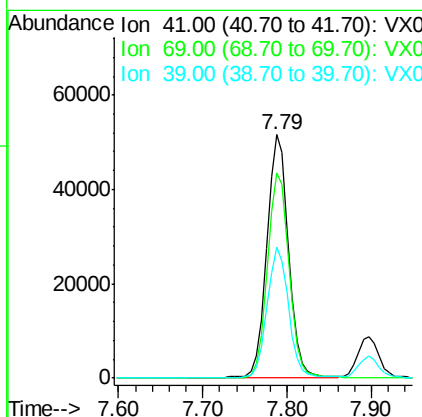
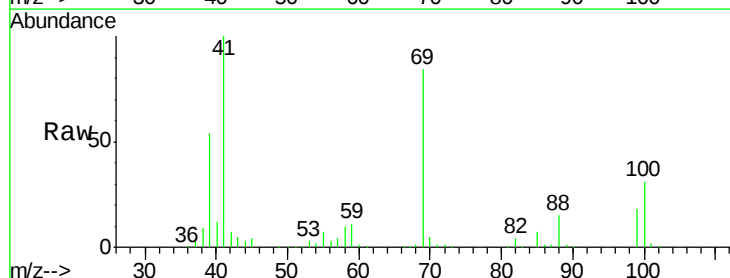
RT: 7.79 min Scan# 1181

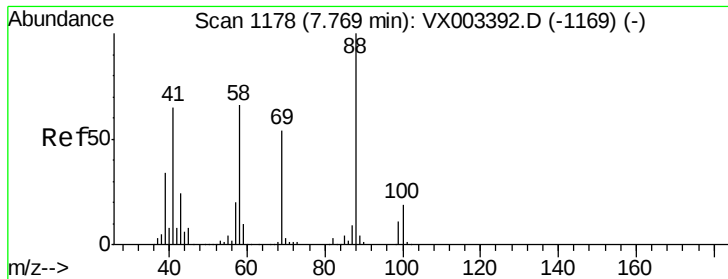
Delta R.T. -0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	41	Resp:	93211
Ion Ratio	Lower	Upper	
41	100		
69	83.9	59.1	88.7
39	52.3	48.9	73.3





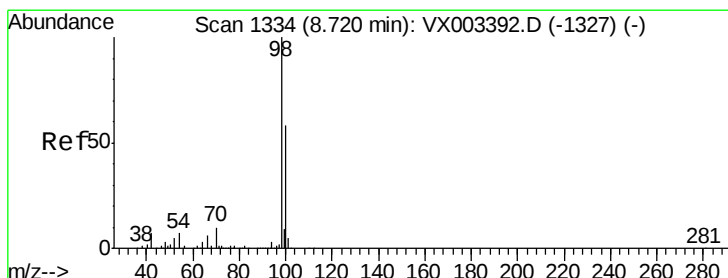
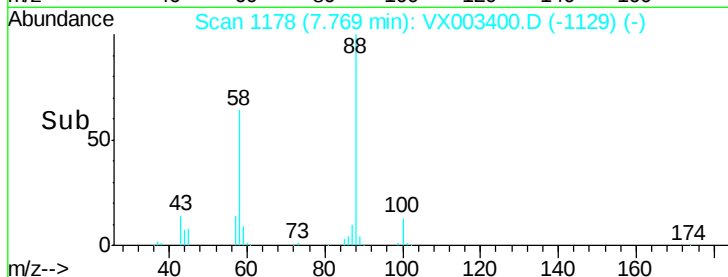
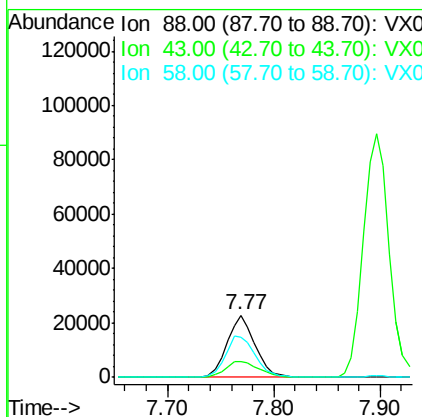
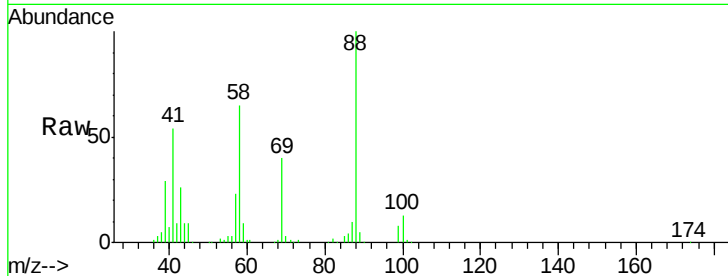
#49
1,4-Dioxane
Concen: 411.03 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.8	44.6
58	71.7	57.1	85.7

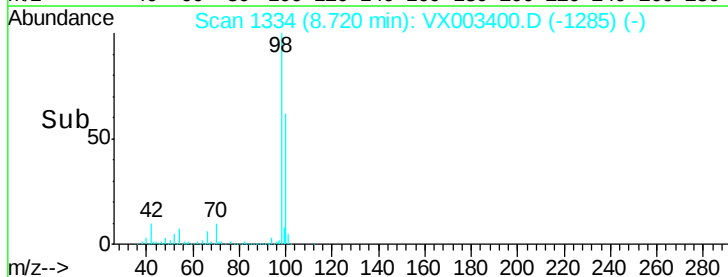
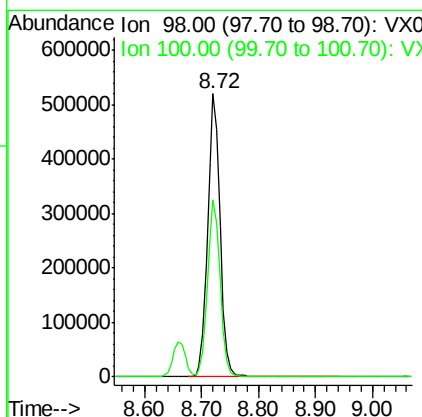
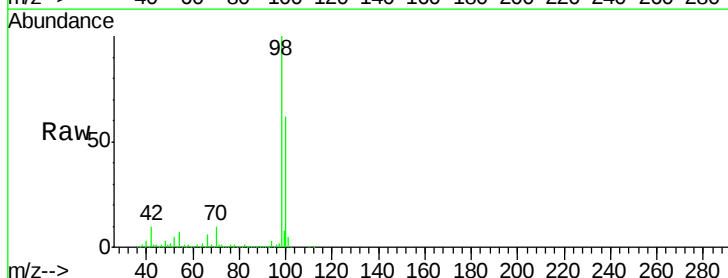
Manual Integrations
APPROVED

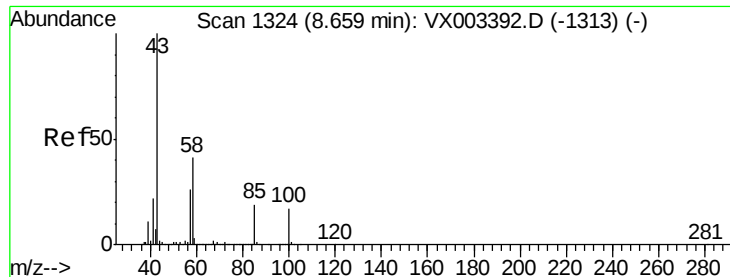
MMDadoda
7/17/2018 1:46:36 PM



#50
Toluene-d8
Concen: 52.56 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 108.84 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 43 Resp: 622296

Ion Ratio Lower Upper

43 100

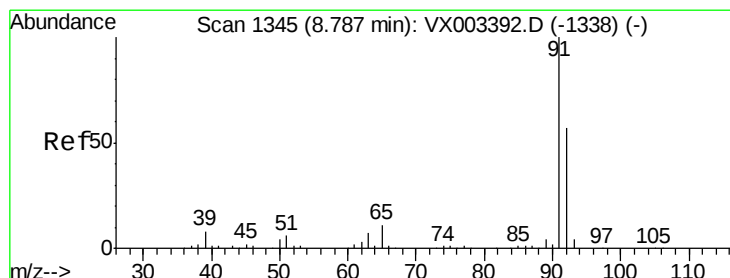
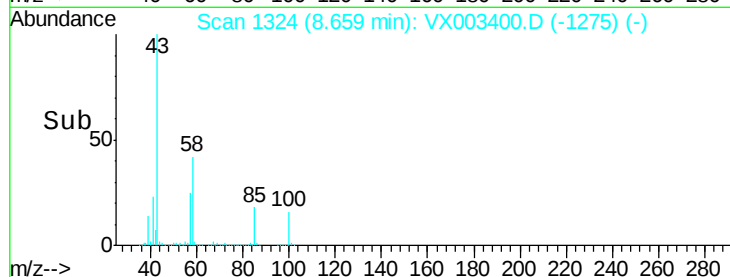
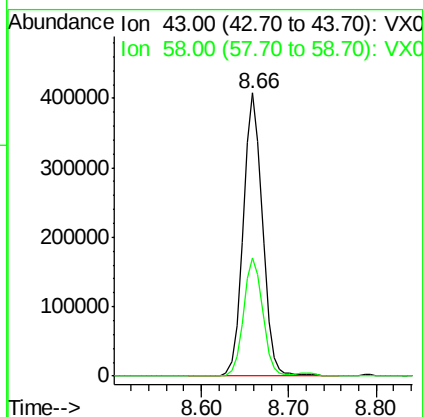
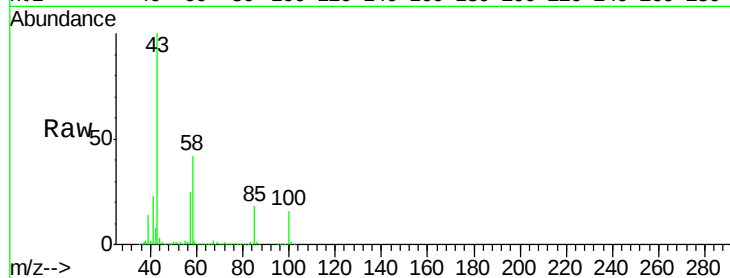
58 41.3 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

7/17/2018 1:46:36 PM



#52

Toluene

Concen: 22.01 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003400.D

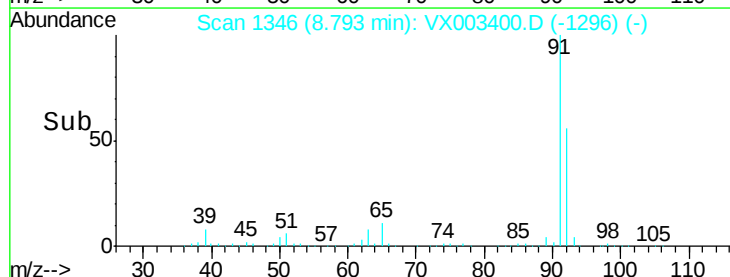
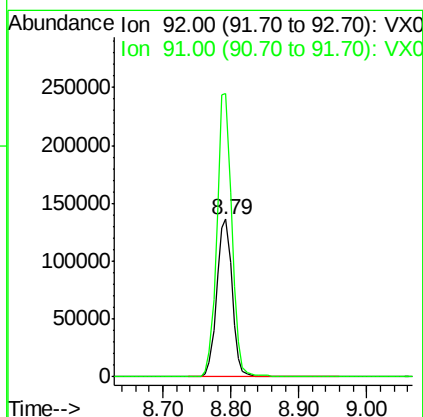
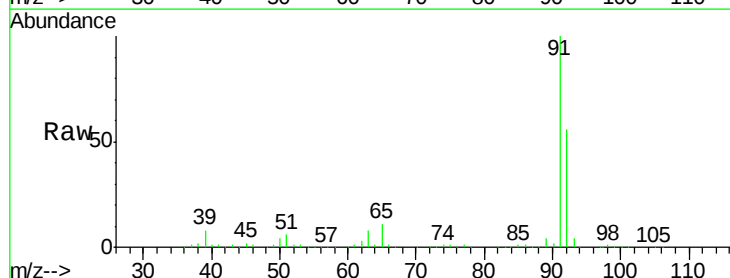
Acq: 16 Jul 2018 20:05

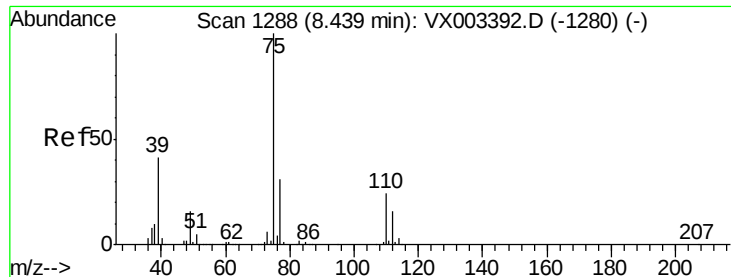
Tgt Ion: 92 Resp: 214115

Ion Ratio Lower Upper

92 100

91 174.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 21.48 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 75 Resp: 124982

Ion Ratio Lower Upper

75 100

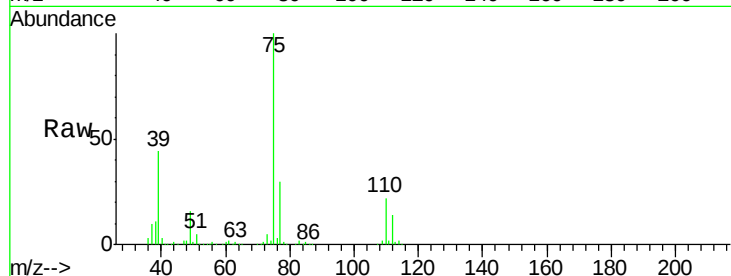
77 30.0 25.4 38.2

Manual Integrations

APPROVED

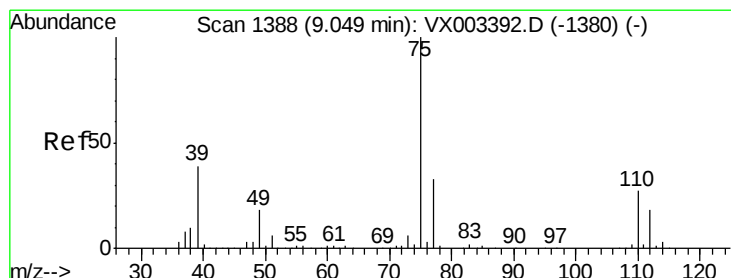
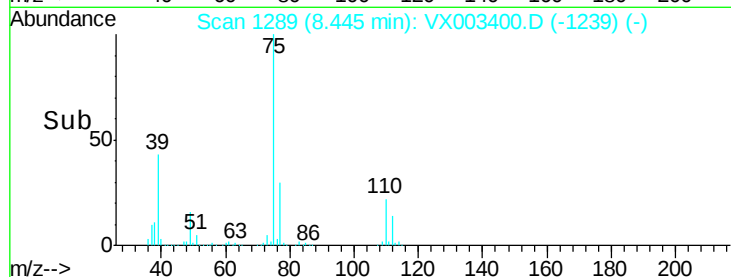
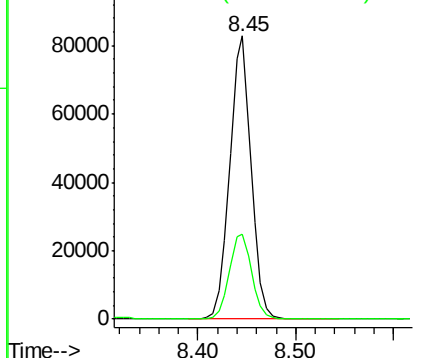
MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

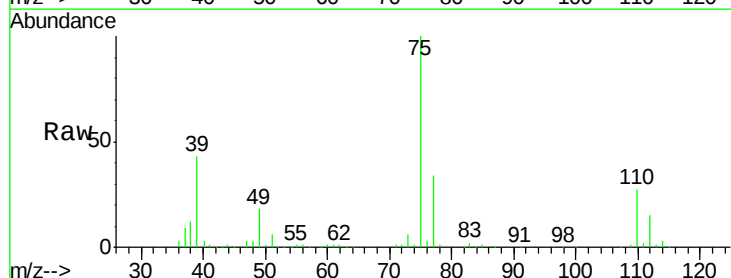
Tgt Ion: 75 Resp: 105296

Ion Ratio Lower Upper

75 100

77 33.9 24.8 37.2

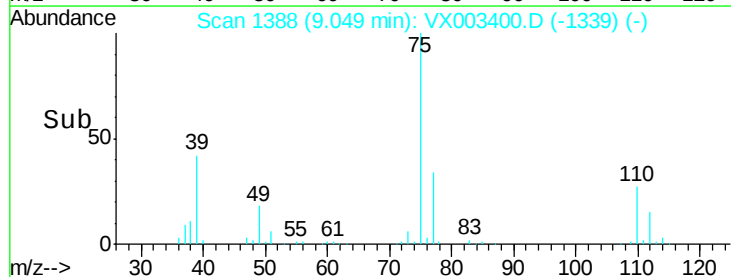
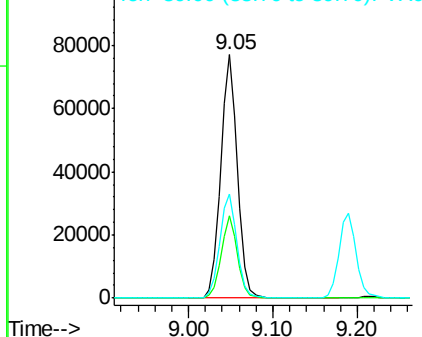
39 42.5 42.4 63.6

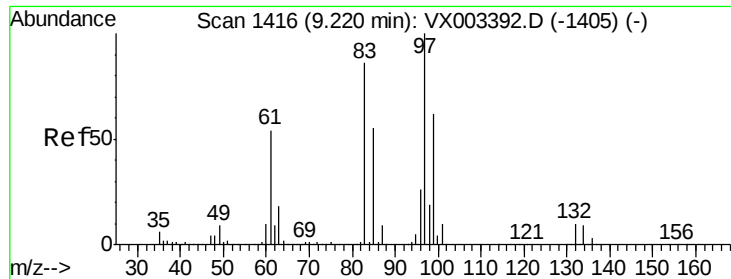


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





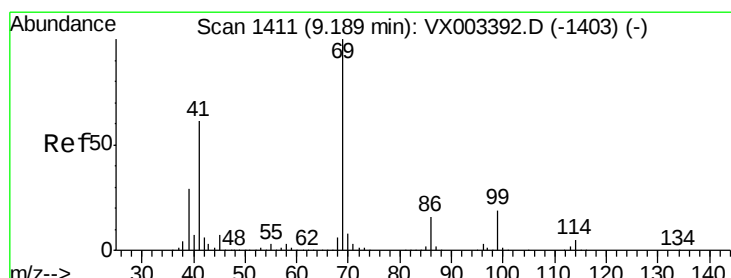
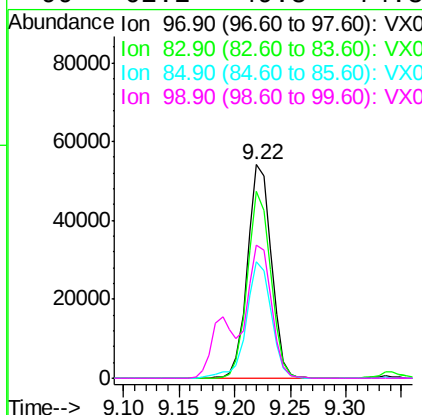
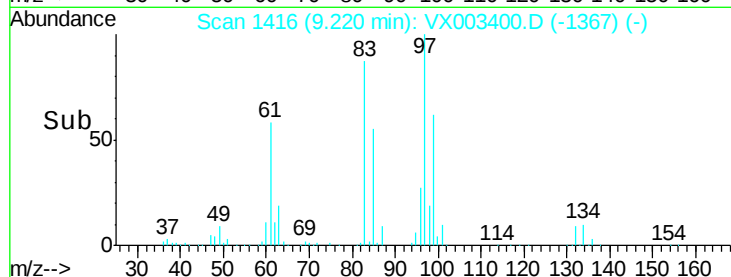
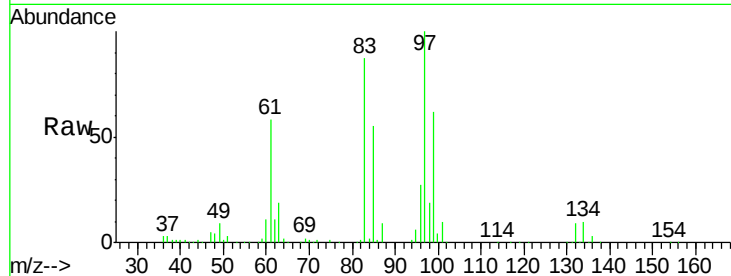
#55
 1,1,2-Trichloroethane
 Concen: 19.99 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion:	97	Resp:	81250
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.2	105.2
85	54.8	44.9	67.3
99	62.2	49.8	74.8

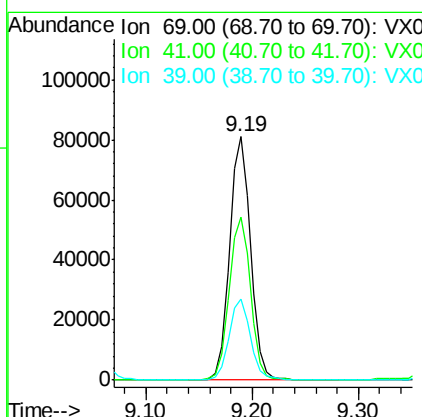
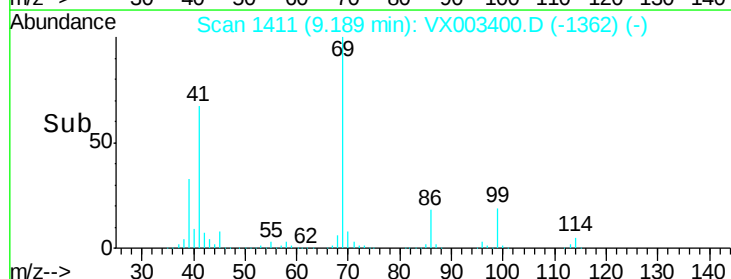
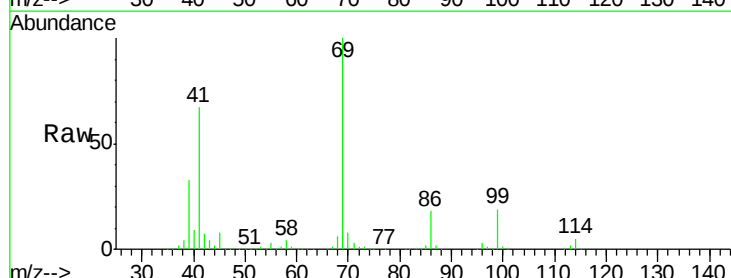
Manual Integrations
 APPROVED

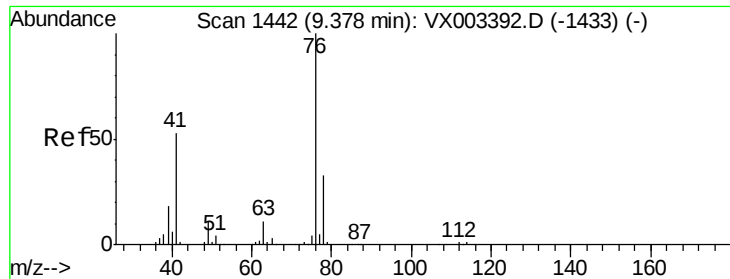
MMDadoda
 7/17/2018 1:46:36 PM



#56
 Ethyl methacrylate
 Concen: 19.60 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion:	69	Resp:	112780
Ion	Ratio	Lower	Upper
69	100		
41	68.1	60.3	90.5
39	33.6	35.8	53.8#





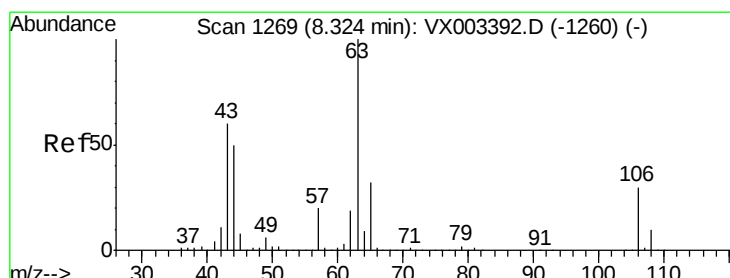
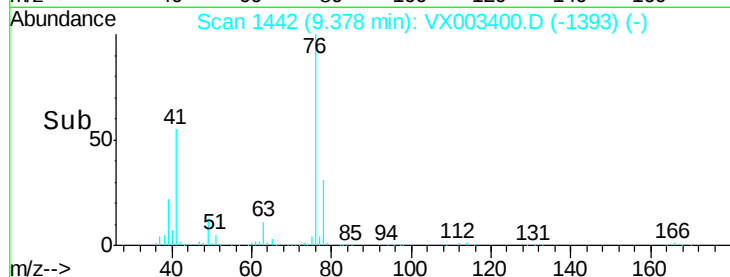
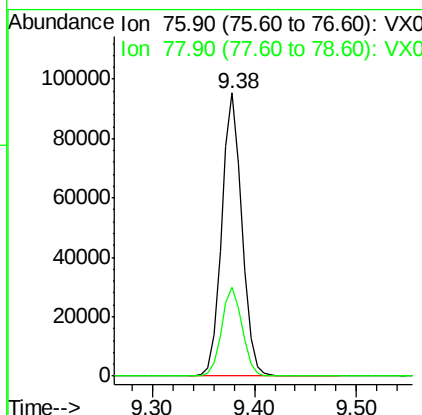
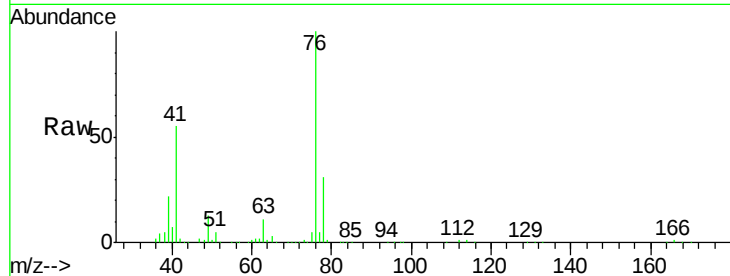
#57
 1,3-Dichloropropane
 Concen: 20.06 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion: 76 Resp: 130998
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

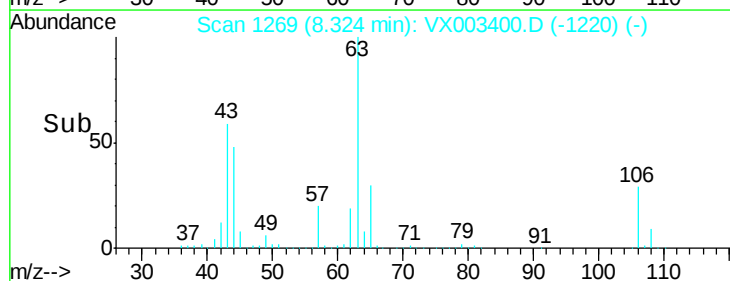
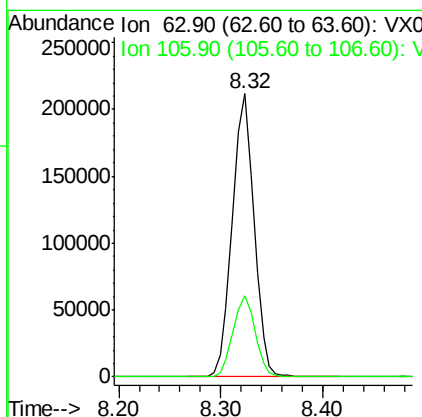
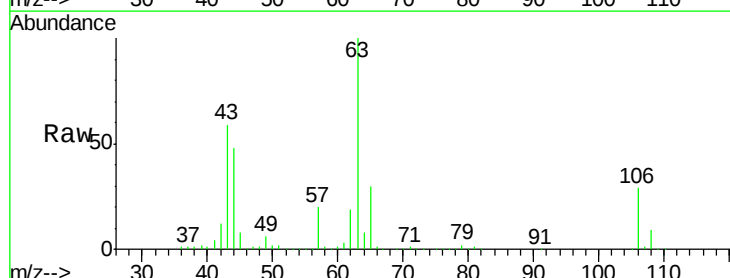
Manual Integrations
 APPROVED

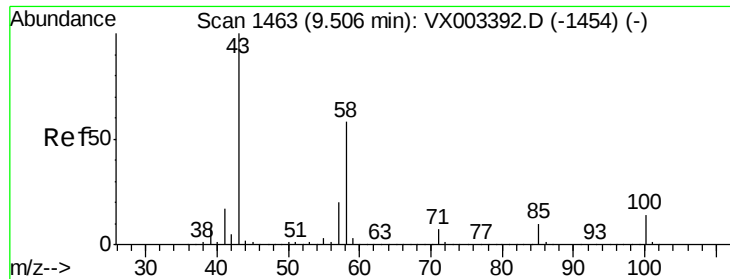
MMDadoda
 7/17/2018 1:46:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.34 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 63 Resp: 312658
 Ion Ratio Lower Upper
 63 100
 106 29.1 21.8 32.8





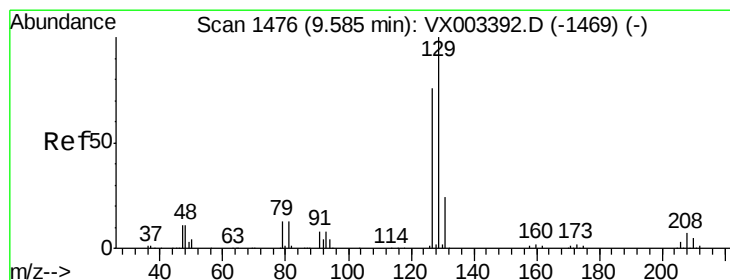
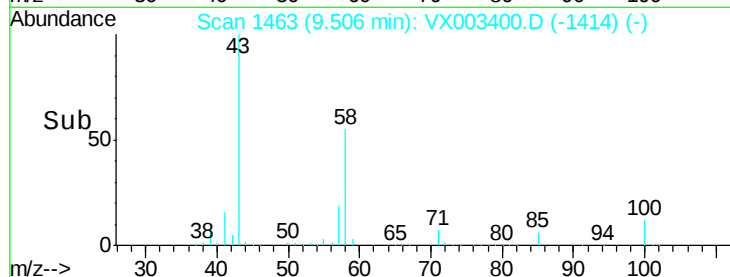
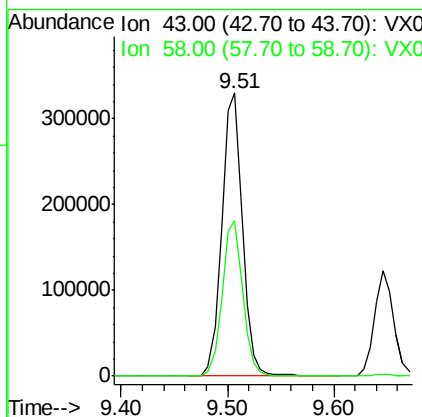
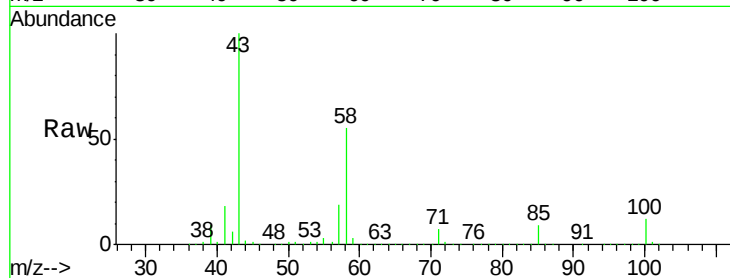
#59
2-Hexanone
Concen: 101.74 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion: 43 Resp: 446954
Ion Ratio Lower Upper
43 100
58 55.0 24.6 73.6

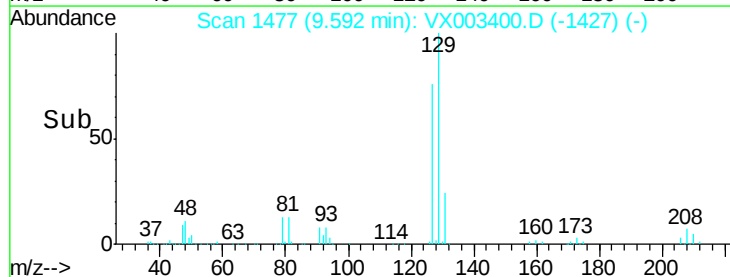
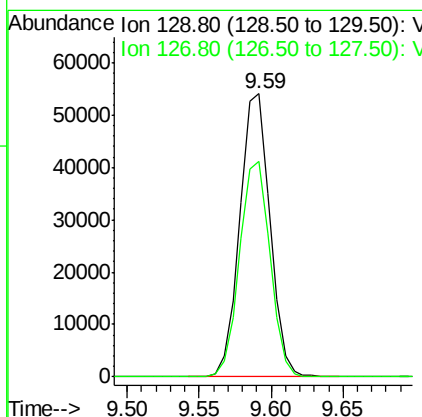
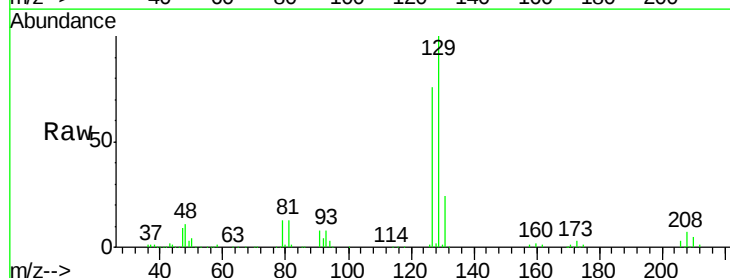
Manual Integrations
APPROVED

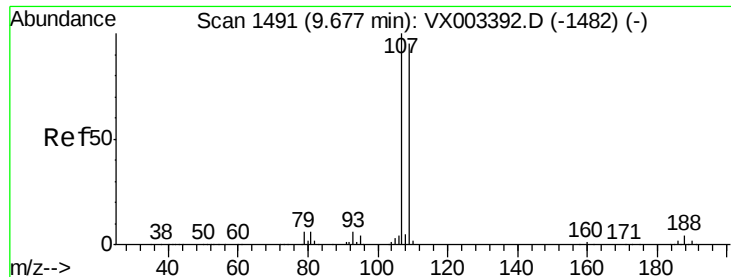
MMDadoda
7/17/2018 1:46:36 PM



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:129 Resp: 78566
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





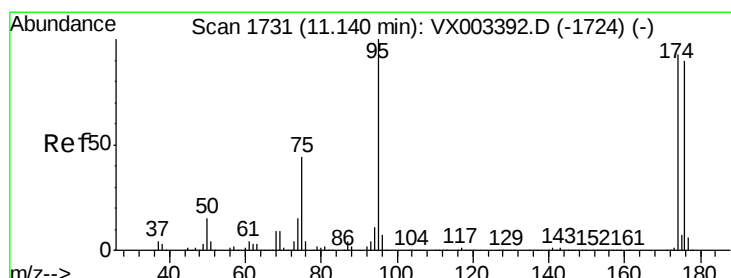
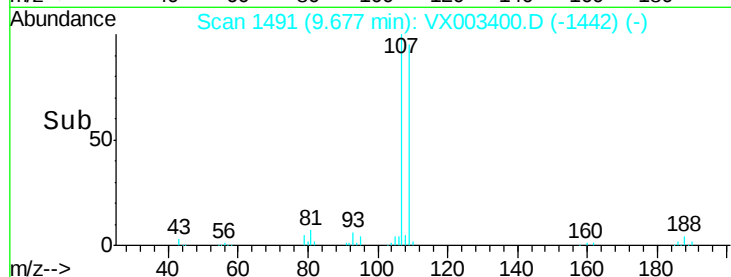
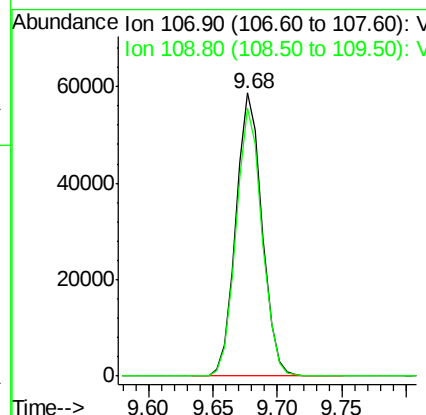
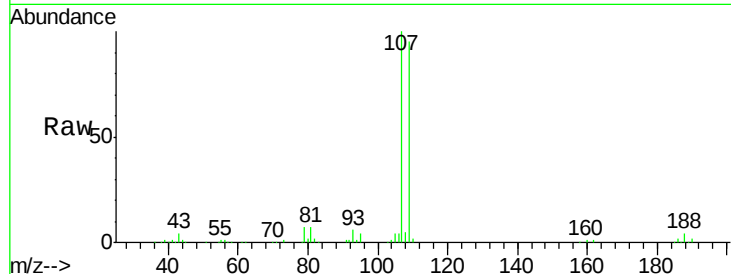
#61
 1,2-Dibromoethane
 Concen: 19.88 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

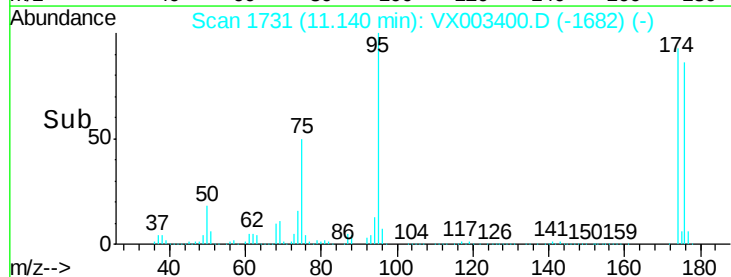
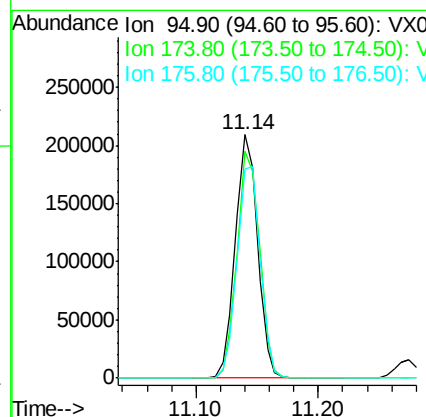
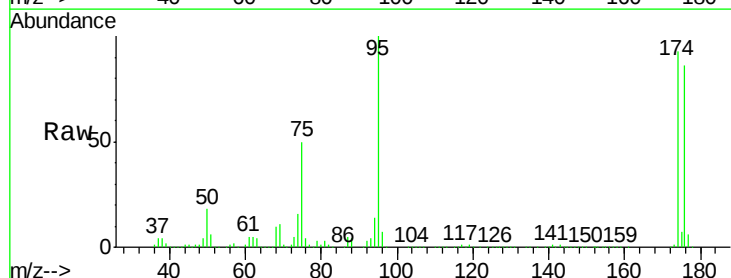
Manual Integrations
 APPROVED

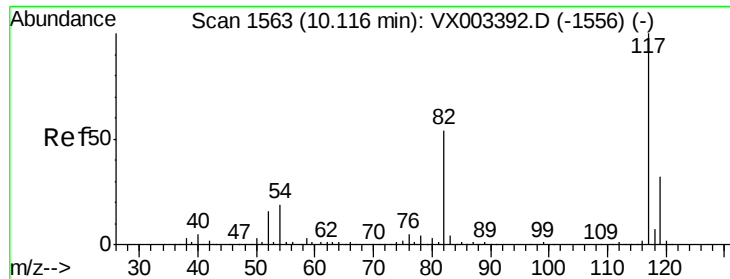
MMDadoda
 7/17/2018 1:46:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.83 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	187.4
176	90.8	0.0	181.0





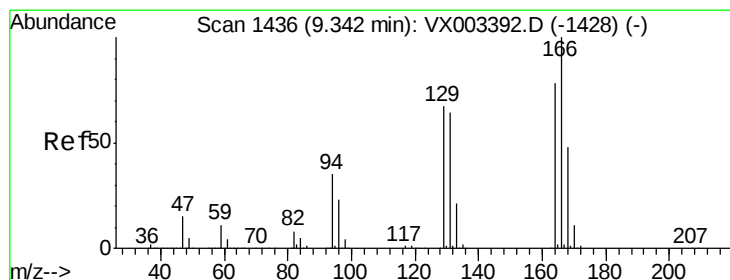
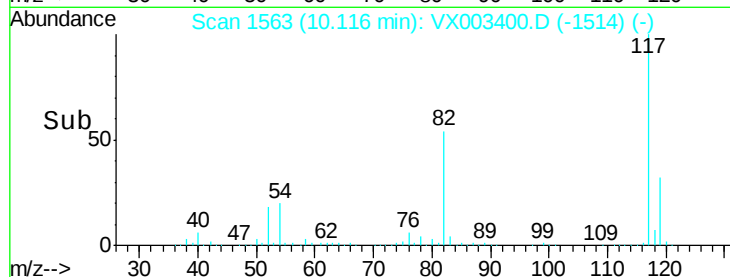
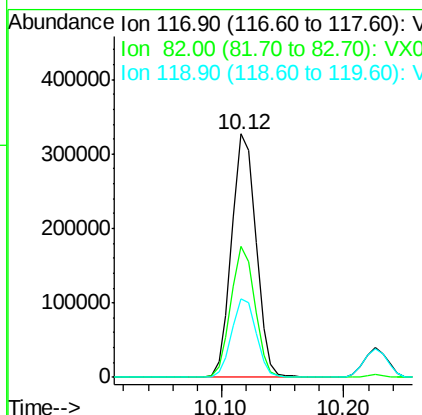
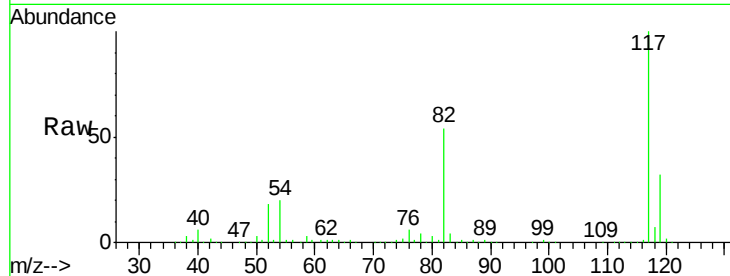
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	32.0	25.8	38.6

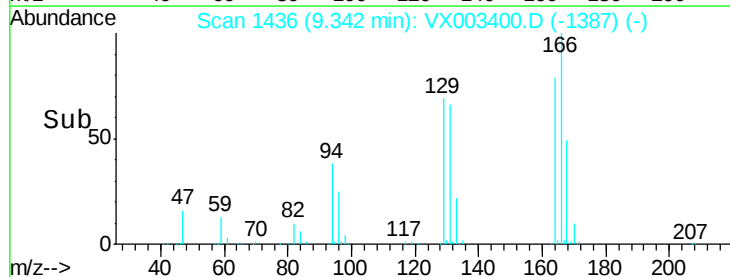
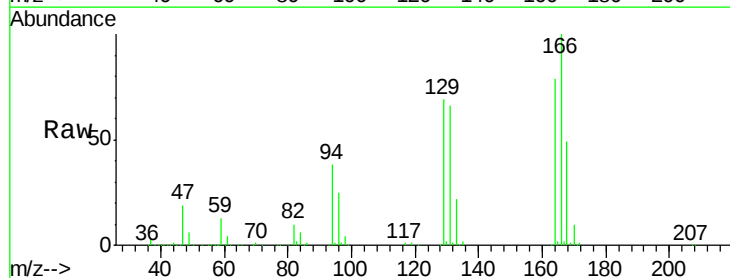
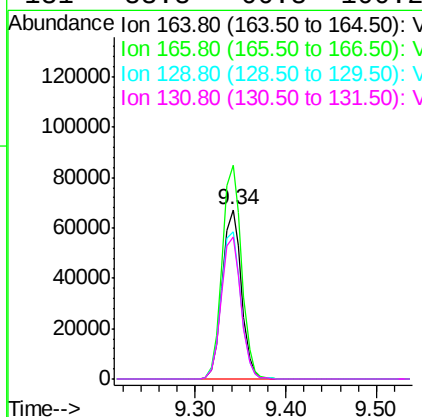
Manual Integrations
APPROVED

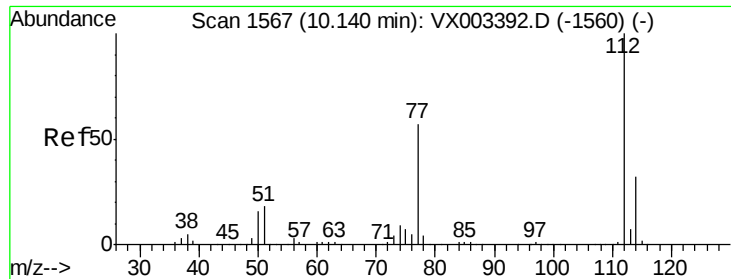
MMDadoda
7/17/2018 1:46:36 PM



#64
Tetrachloroethene
Concen: 21.10 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.9	154.3
129	87.2	68.6	102.8
131	83.8	66.8	100.2





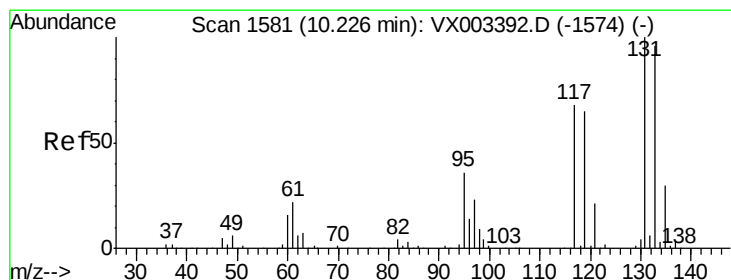
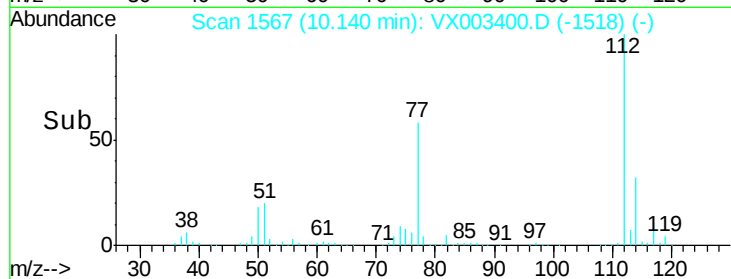
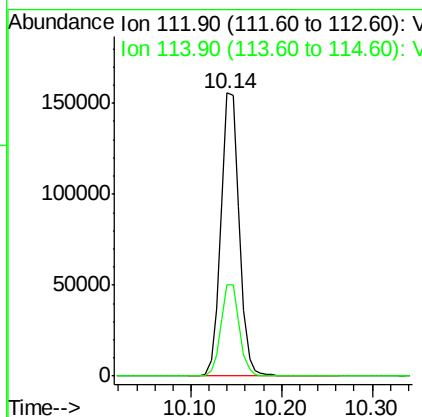
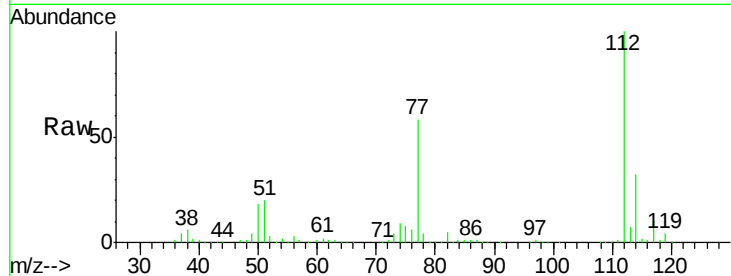
#65
Chlorobenzene
Concen: 20.62 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampled :
VX0716WBSD01

Tot Ion:112 Resp: 219348
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

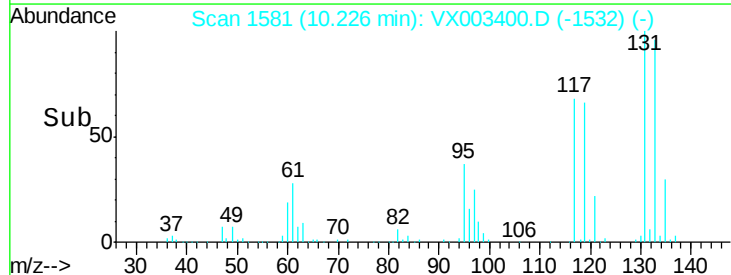
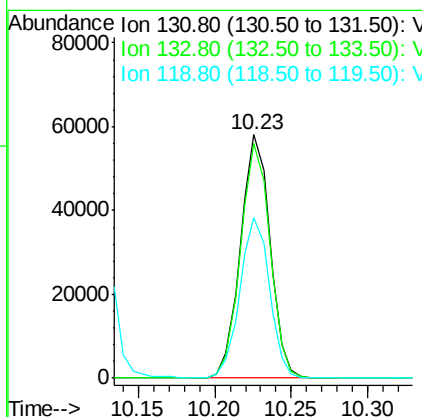
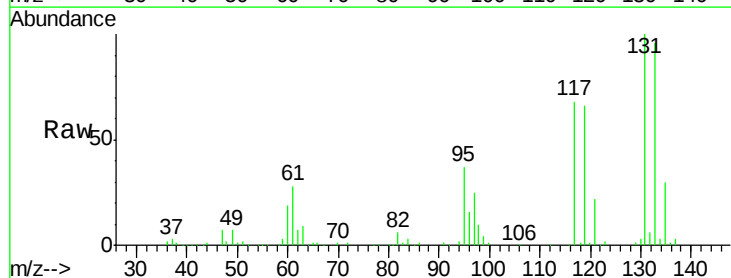
Manual Integrations
APPROVED

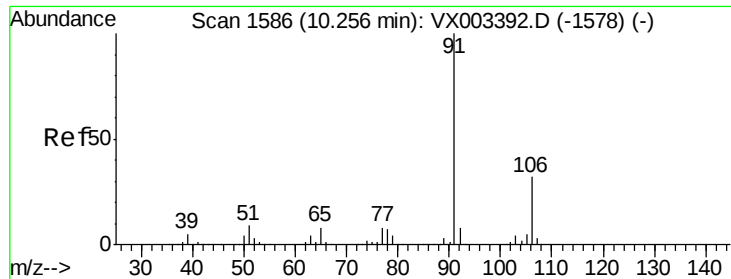
MMDadoda
7/17/2018 1:46:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.62 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:131 Resp: 77971
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.6
119 66.1 31.8 95.3





#67

Ethyl Benzene

Concen: 20.80 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampled :

VX0716WBSD01

Tot Ion: 91 Resp: 361705

Ion Ratio Lower Upper

91 100

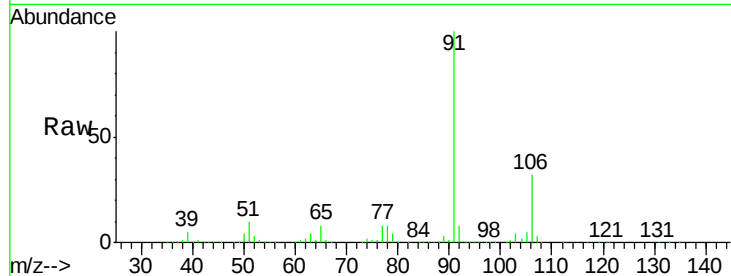
106 31.7 25.5 38.3

Manual Integrations

APPROVED

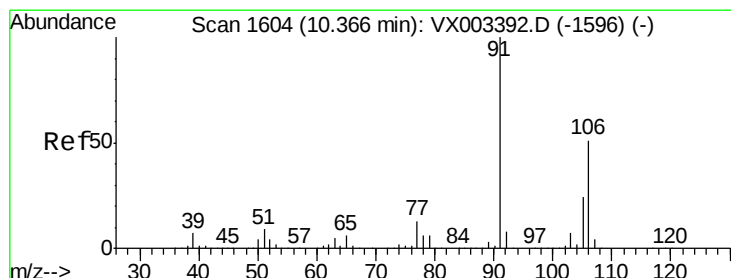
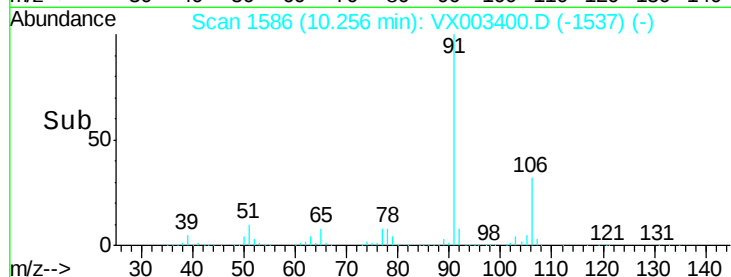
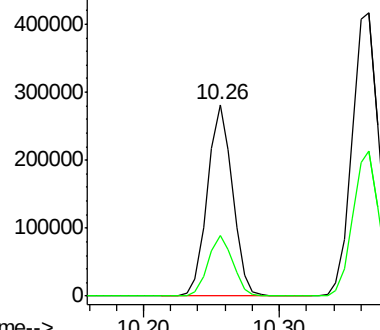
MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX003392.D (-1578) (-)



#68

m/p-Xylenes

Concen: 41.94 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX003400.D

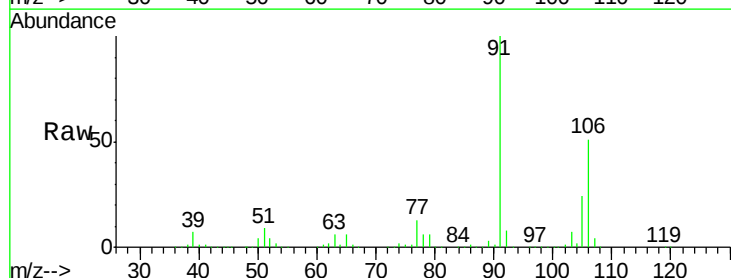
Acq: 16 Jul 2018 20:05

Tgt Ion: 106 Resp: 282084

Ion Ratio Lower Upper

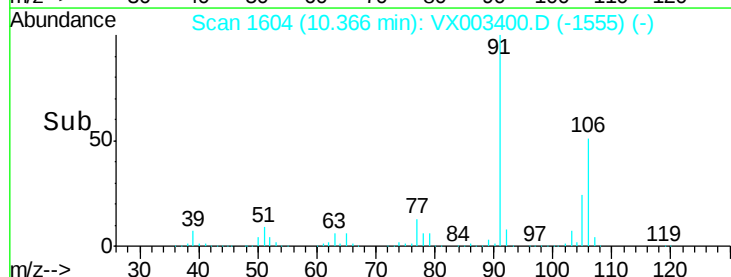
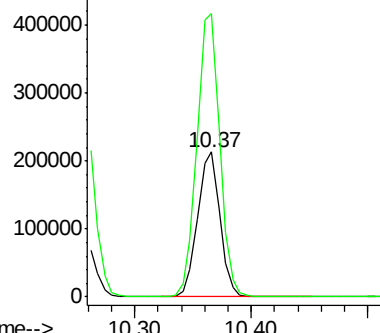
106 100

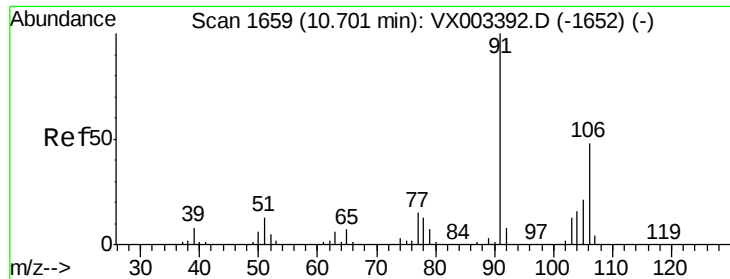
91 200.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003392.D (-1596) (-)

Ion 91.00 (90.70 to 91.70): VX003392.D (-1596) (-)





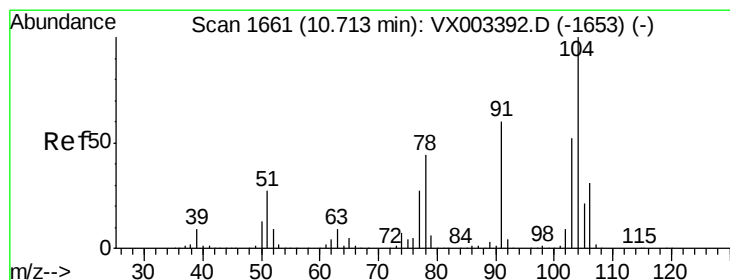
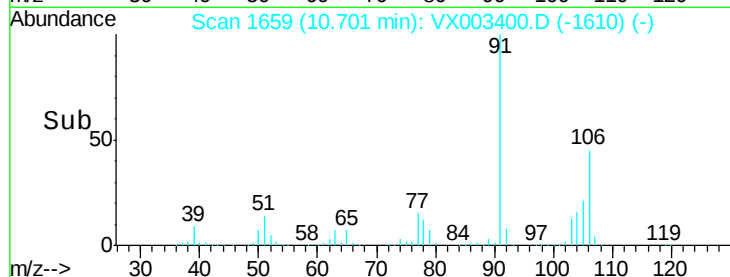
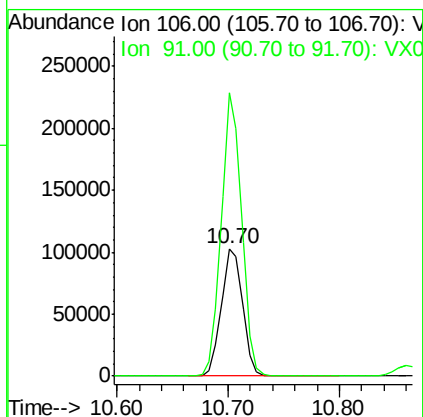
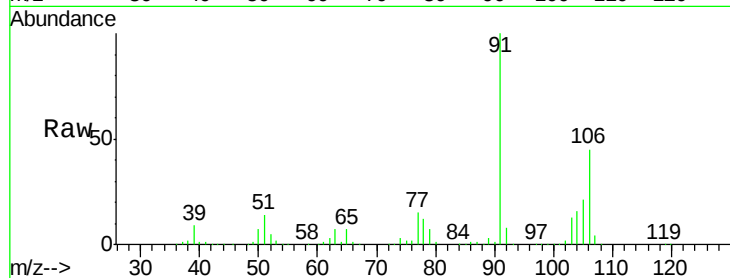
#69
o-Xylene
Concen: 21.10 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampled :
VX0716WBSD01

Tot Ion:106 Resp: 136341
Ion Ratio Lower Upper
106 100
91 212.4 108.2 324.6

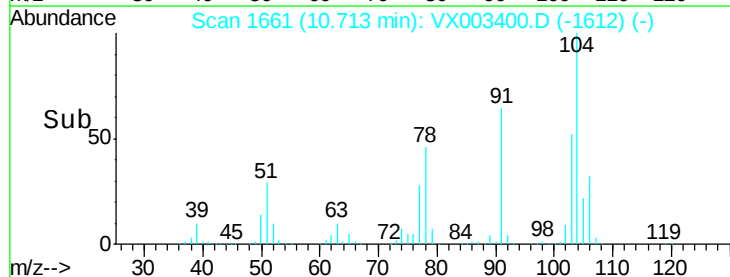
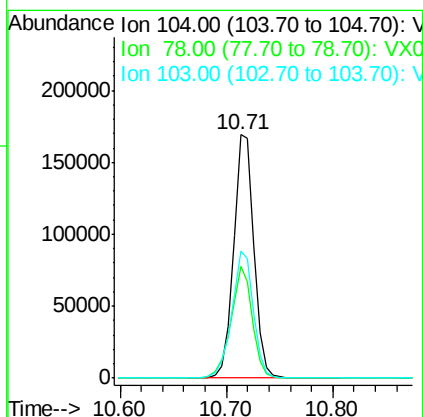
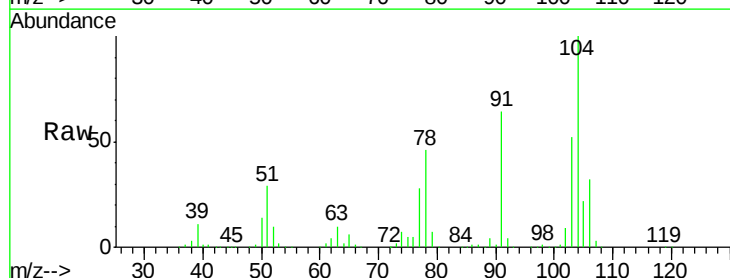
Manual Integrations
APPROVED

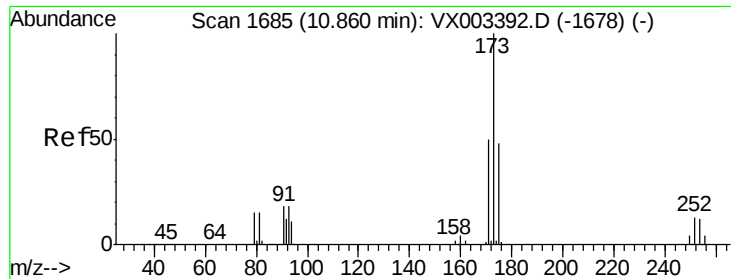
MMDadoda
7/17/2018 1:46:36 PM



#70
Styrene
Concen: 21.27 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:104 Resp: 226119
Ion Ratio Lower Upper
104 100
78 48.0 41.0 61.6
103 55.4 44.2 66.4





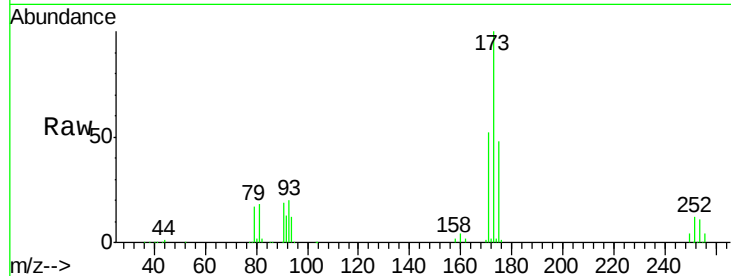
#71
Bromoform
Concen: 19.85 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

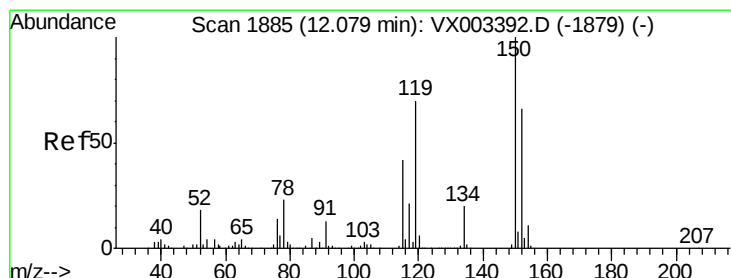
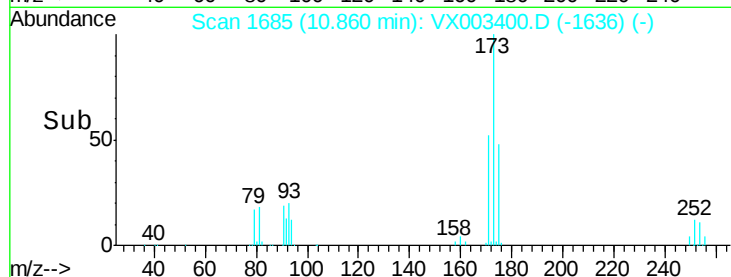
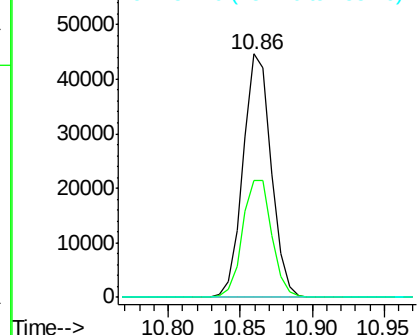
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM

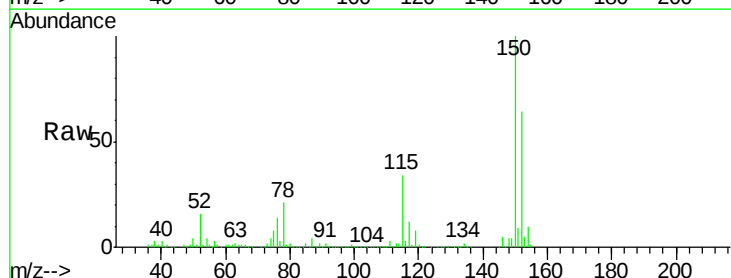


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

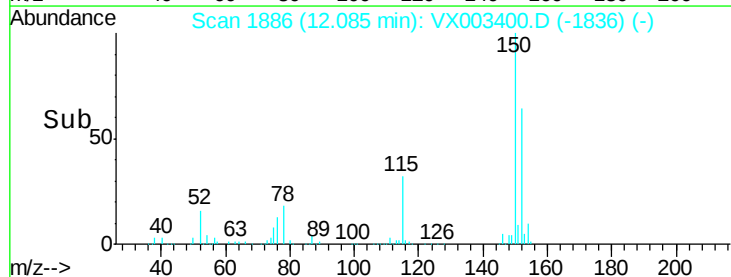
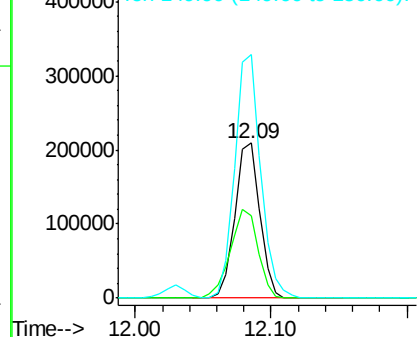


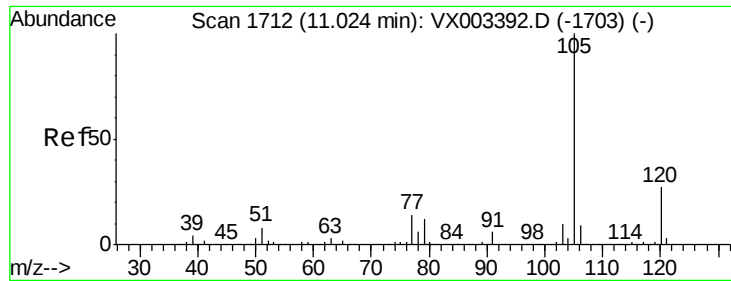
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	40.1	120.2
150	163.9	0.0	347.2



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





#73

Isopropylbenzene

Concen: 21.89 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 105 Resp: 373214

Ion Ratio Lower Upper

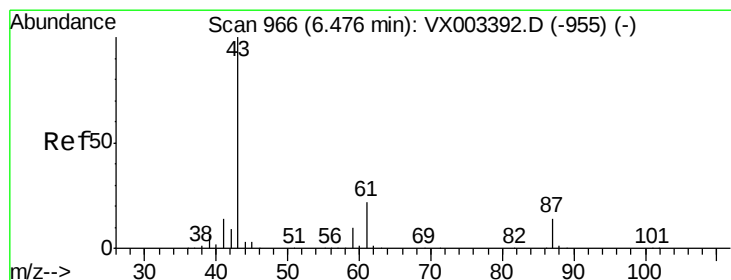
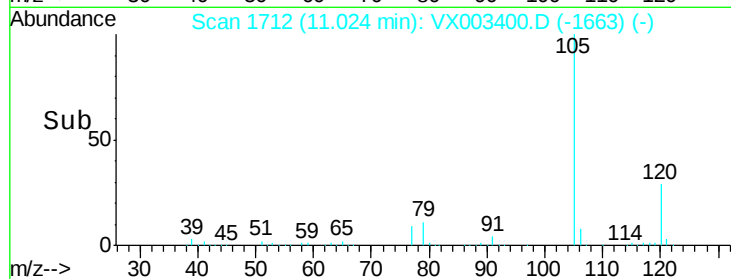
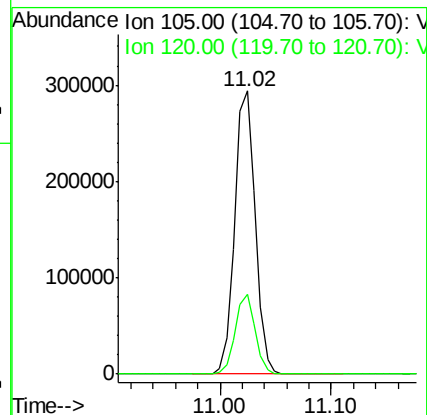
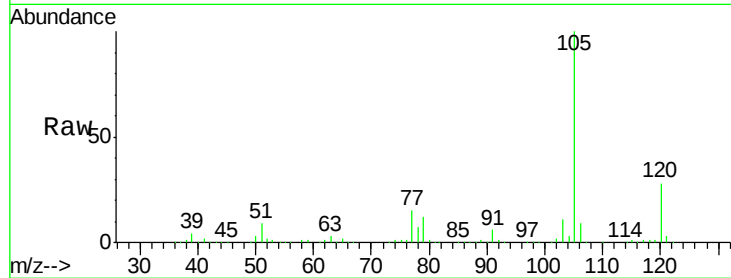
105 100

120 27.4 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

7/17/2018 1:46:36 PM



#74

N-ethyl acetate

Concen: 21.54 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion: 43 Resp: 176680

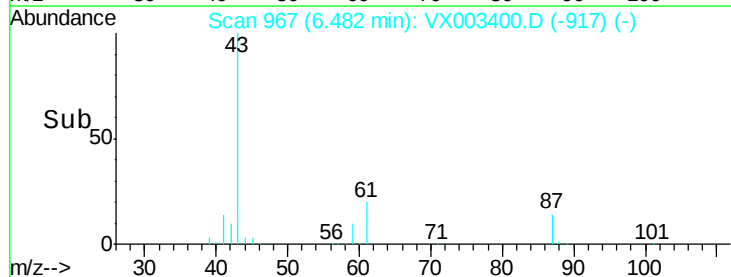
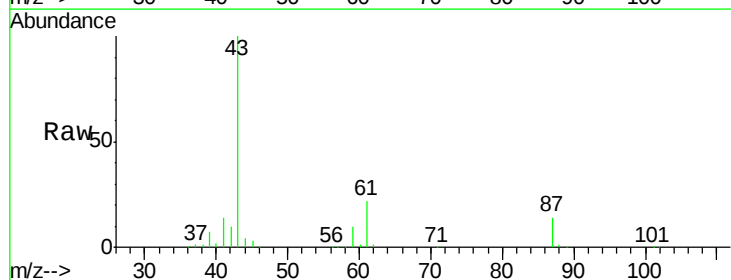
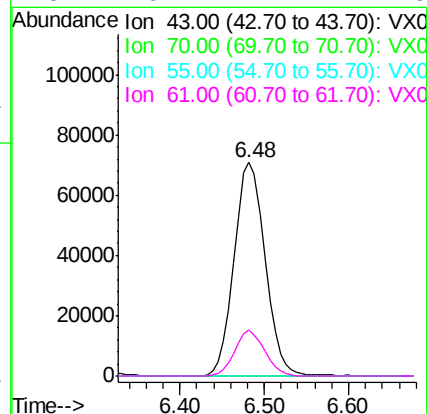
Ion Ratio Lower Upper

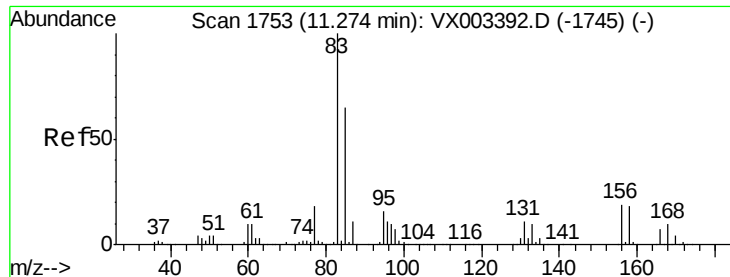
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

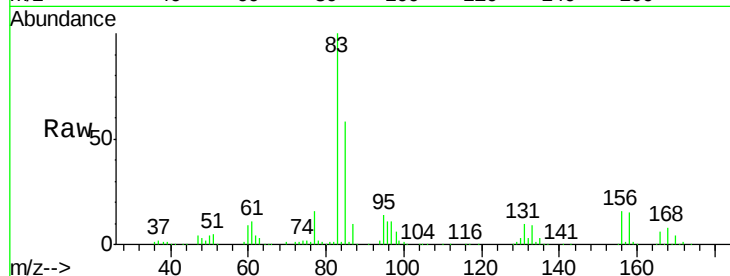
ClientSampleId :

VX0716WBSD01

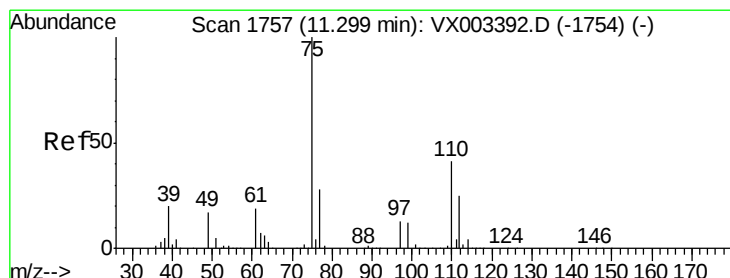
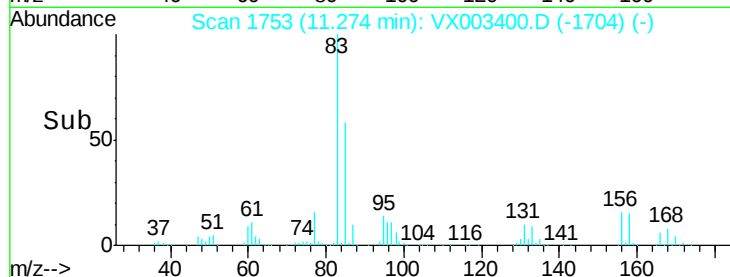
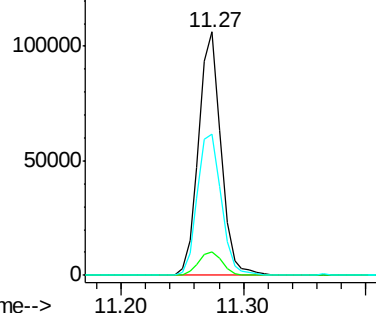
Tot Ion:	83	Resp:	133669
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.6	16.8
85	62.7	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



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



#76

1,2,3-Trichloropropane

Concen: 25.74 ug/l m

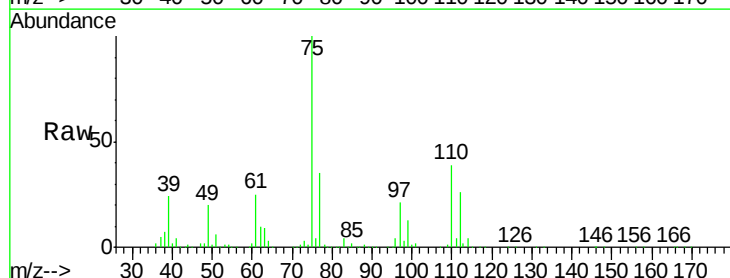
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

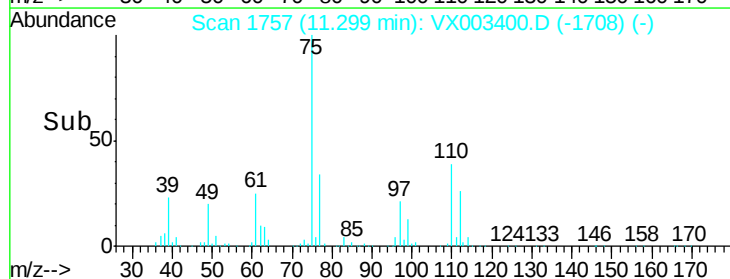
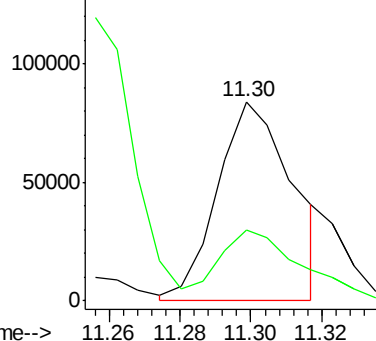
Lab File: VX003400.D

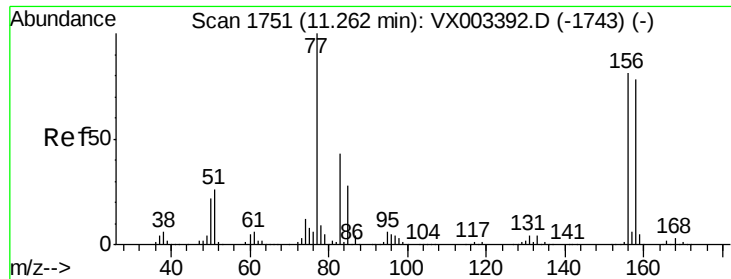
Acq: 16 Jul 2018 20:05

Tgt Ion:	75	Resp:	124079
Ion Ratio	Lower	Upper	
75	100		
77	39.1	22.8	68.3



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





#77

Bromobenzene

Concen: 22.63 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

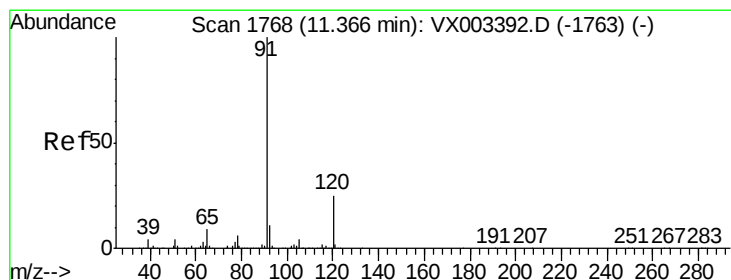
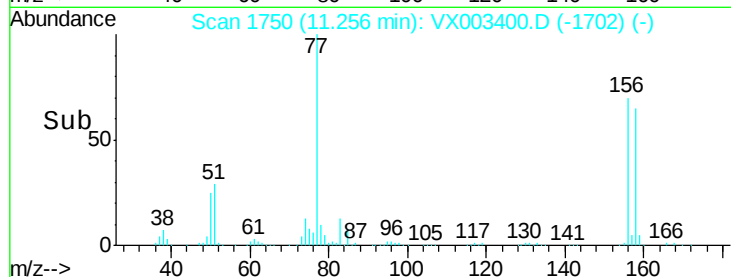
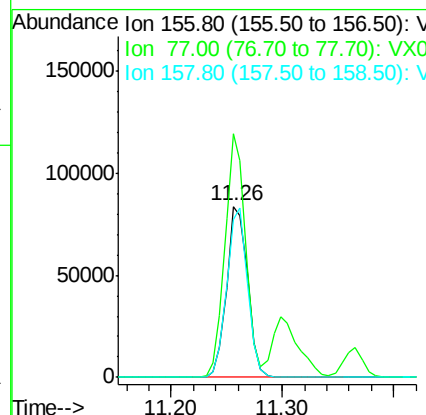
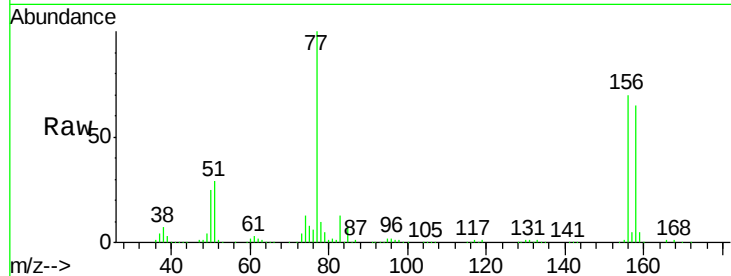
ClientSampleId :

VX0716WBSD01

Tot Ion:	156	Resp:	109584
Ion Ratio	Lower	Upper	
156	100		
77	139.2	71.4	214.2
158	97.4	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#78

n-propylbenzene

Concen: 23.11 ug/l

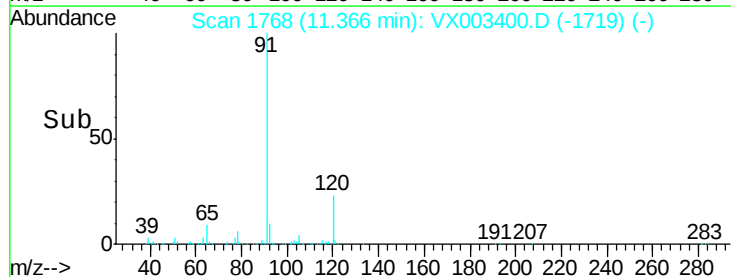
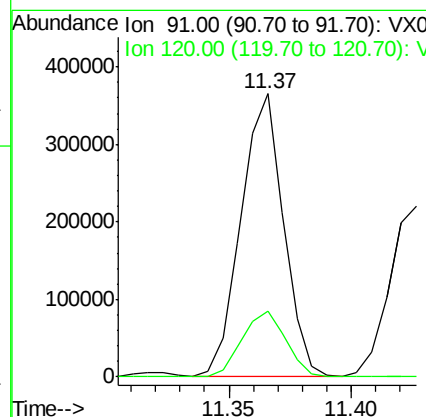
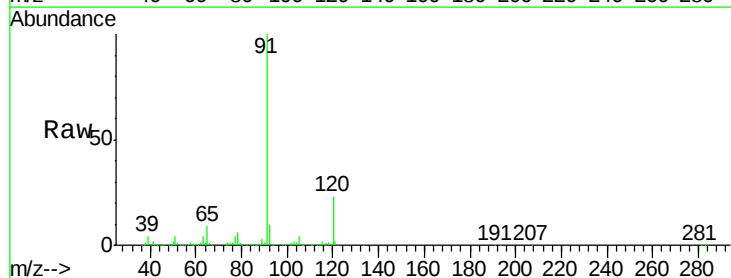
RT: 11.37 min Scan# 1768

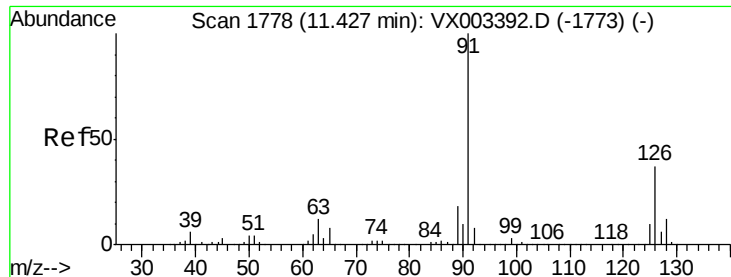
Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	91	Resp:	440209
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 22.93 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 91 Resp: 267869

Ion Ratio Lower Upper

91 100

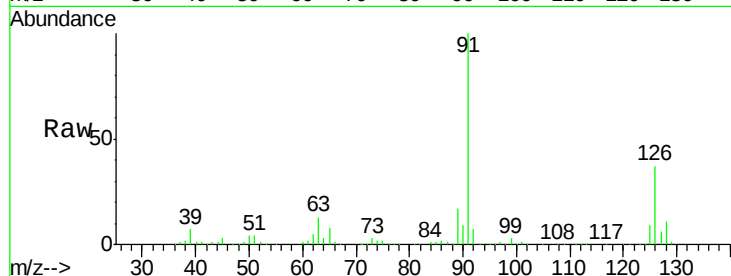
126 35.9 17.7 53.1

Manual Integrations

APPROVED

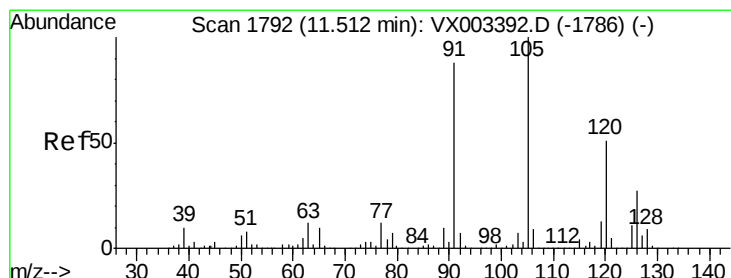
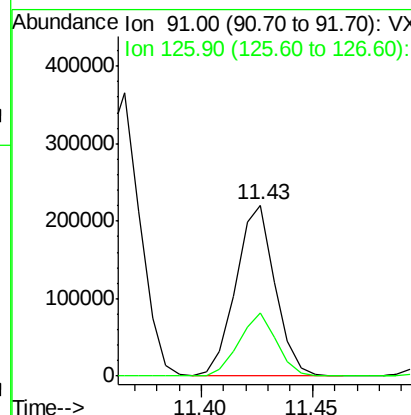
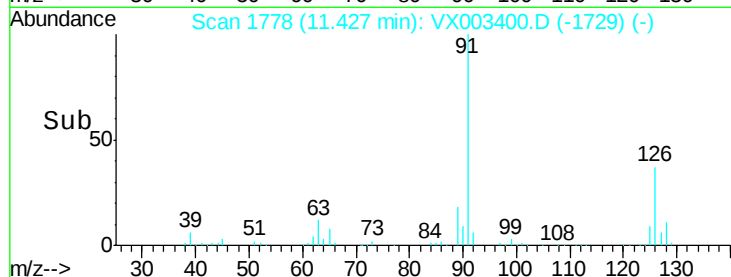
MMDadoda

7/17/2018 1:46:36 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003392.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003400.D

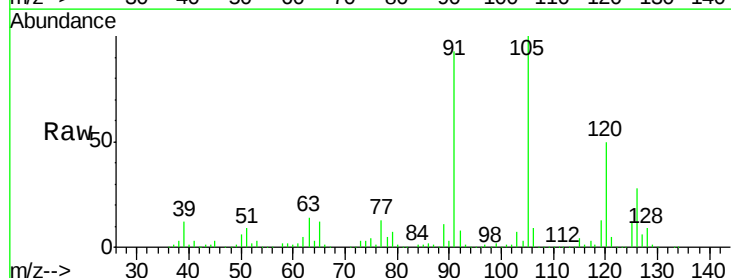
Acq: 16 Jul 2018 20:05

Tgt Ion: 105 Resp: 304119

Ion Ratio Lower Upper

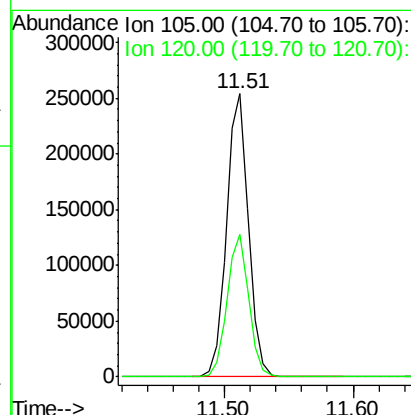
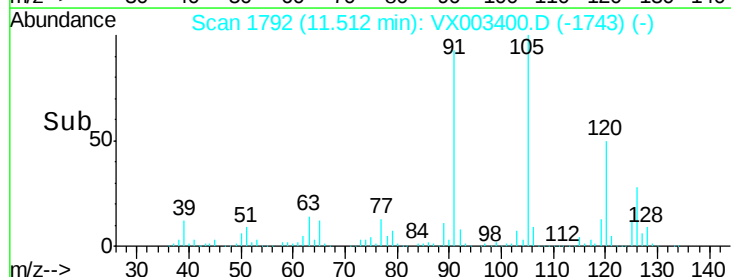
105 100

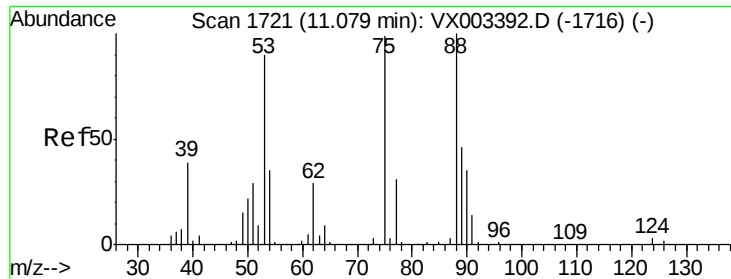
120 50.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003392.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003392.D (-1786) (-)





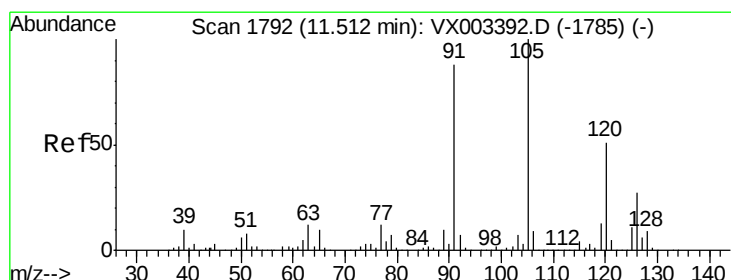
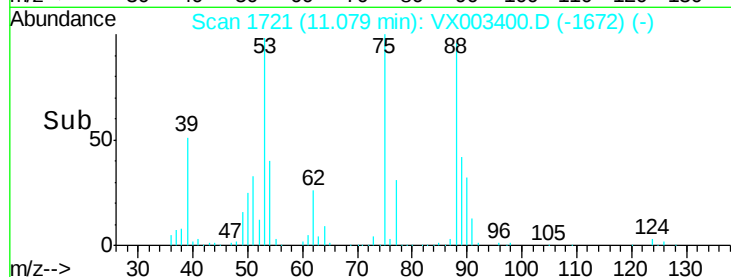
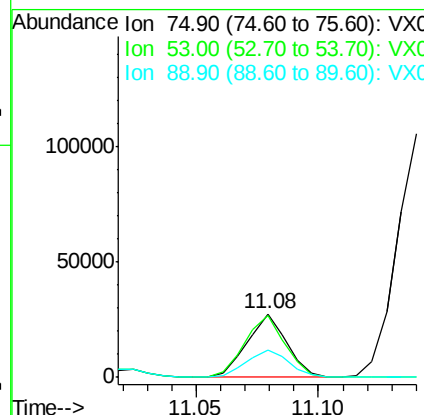
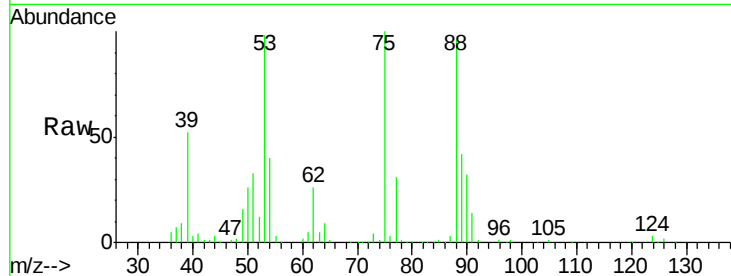
#81
trans-1,4-Dichloro-2-butene
Concen: 20.94 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	86.8	130.2
89	45.4	38.2	57.2

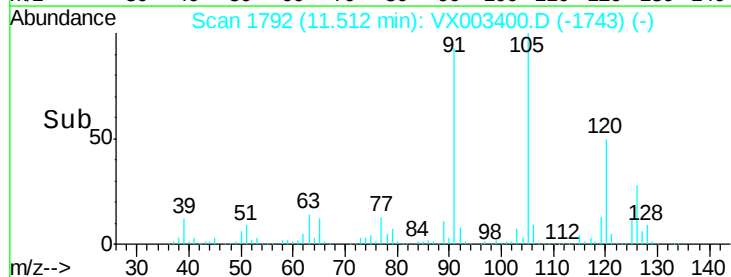
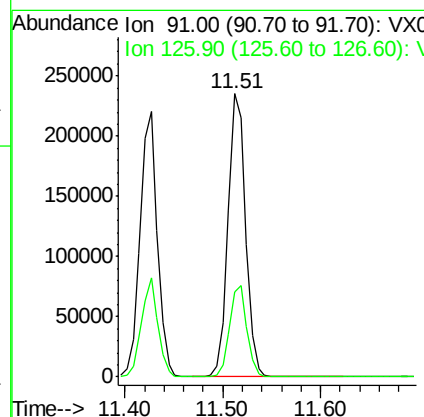
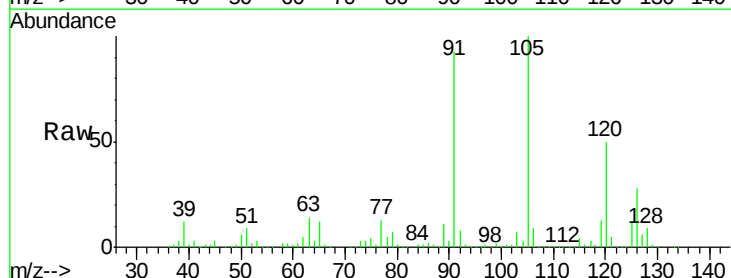
Manual Integrations
APPROVED

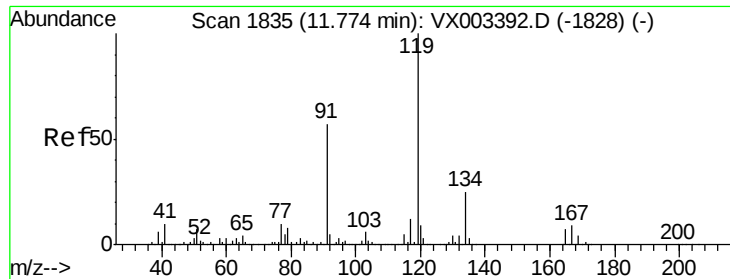
MMDadoda
7/17/2018 1:46:36 PM



#82
4-Chlorotoluene
Concen: 21.47 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.4	46.4





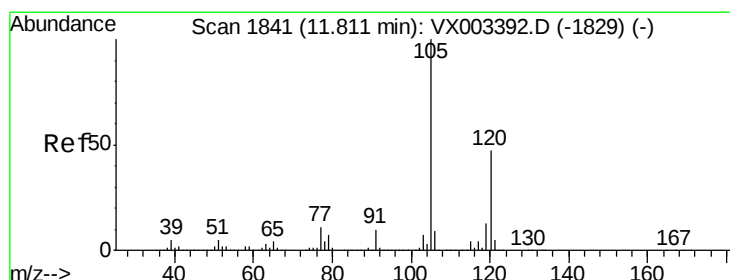
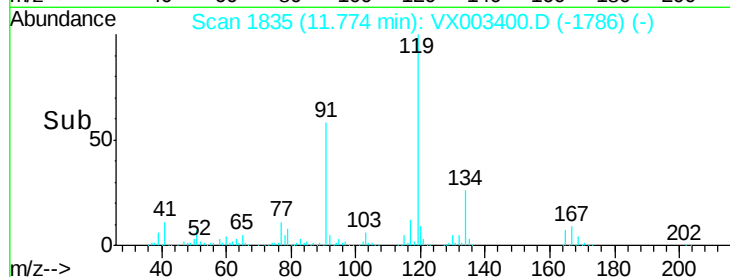
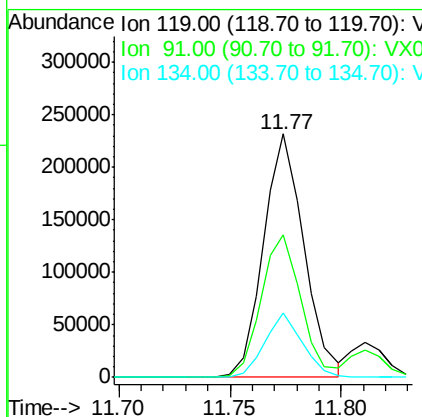
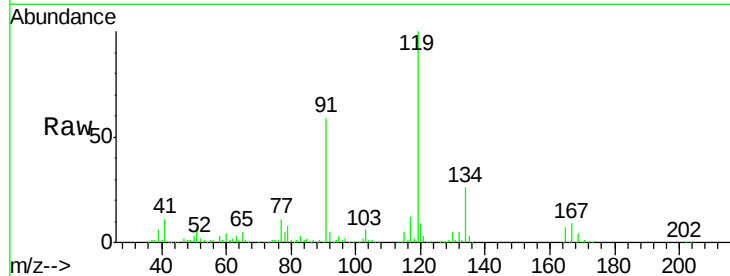
#83
 tert-Butylbenzene
 Concen: 21.52 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293019		
91	57.9	30.3	90.9	
134	24.3	11.7	35.1	

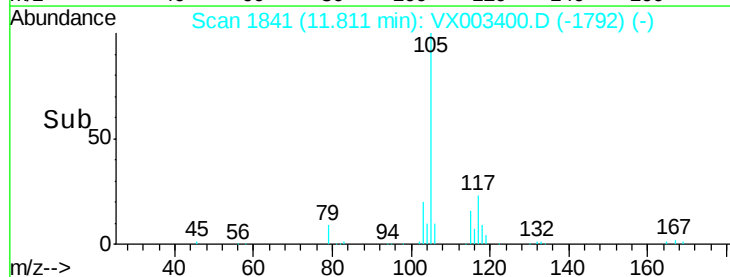
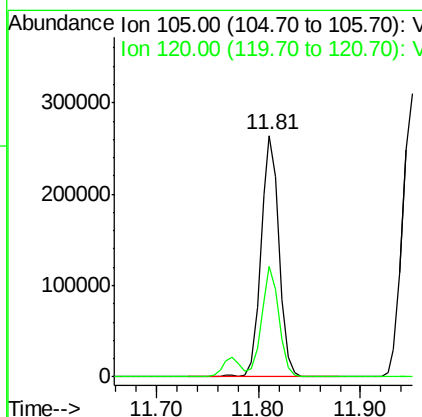
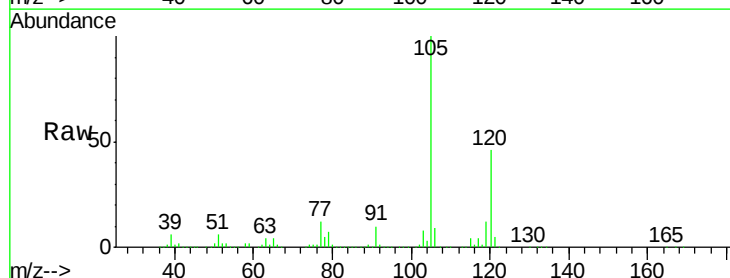
Manual Integrations
 APPROVED

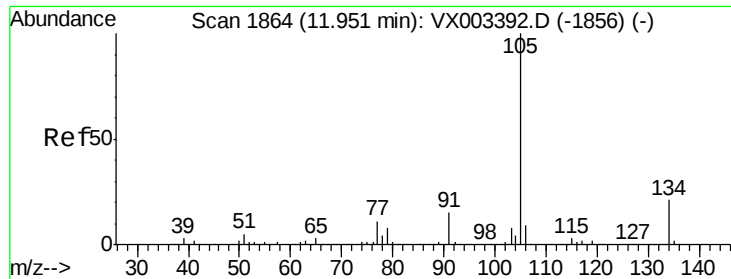
MMDadoda
 7/17/2018 1:46:36 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.91 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327860		
120	44.2	22.3	66.8	





#85

sec-Butylbenzene

Concen: 22.53 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampled :

VX0716WBSD01

Tot Ion:105 Resp: 372106

Ion Ratio Lower Upper

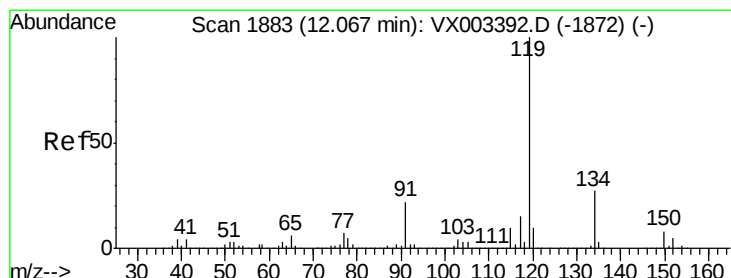
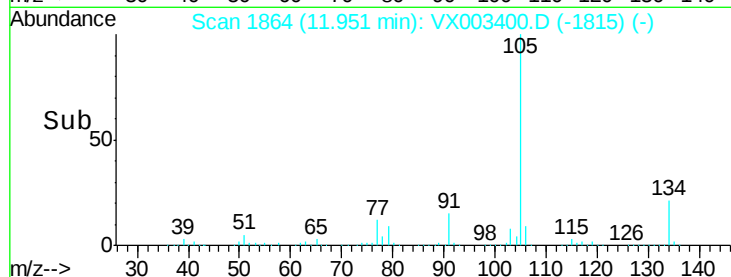
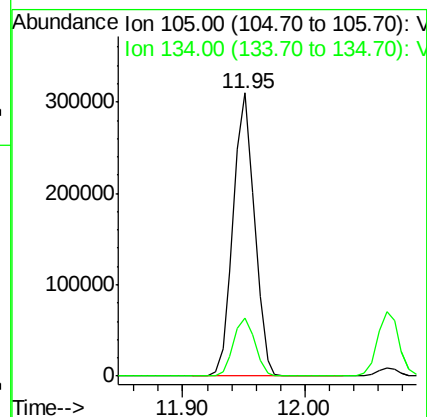
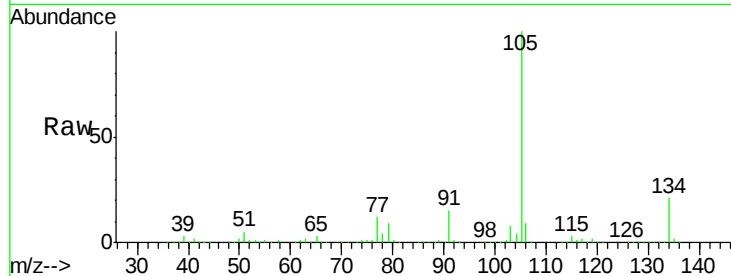
105 100

134 20.9 10.4 31.1

Manual Integrations
APPROVED

MMDadoda

7/17/2018 1:46:36 PM



#86

p-Isopropyltoluene

Concen: 22.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

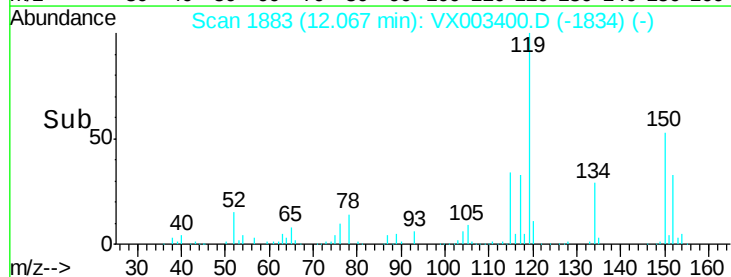
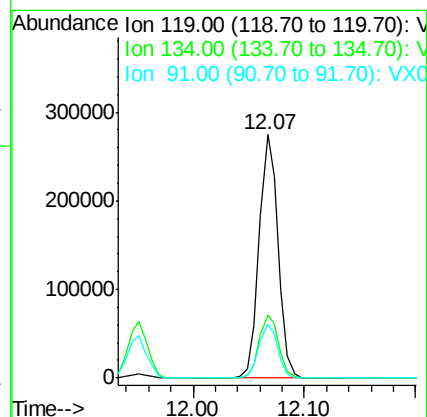
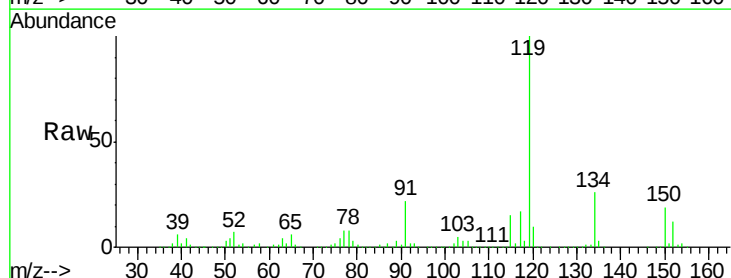
Tgt Ion:119 Resp: 325287

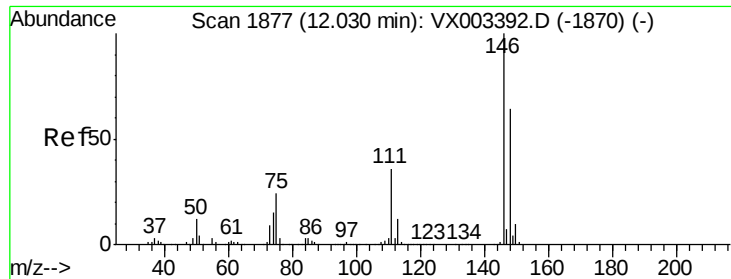
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.3 11.9 35.7





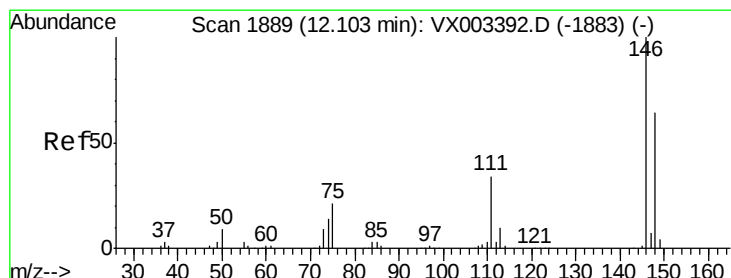
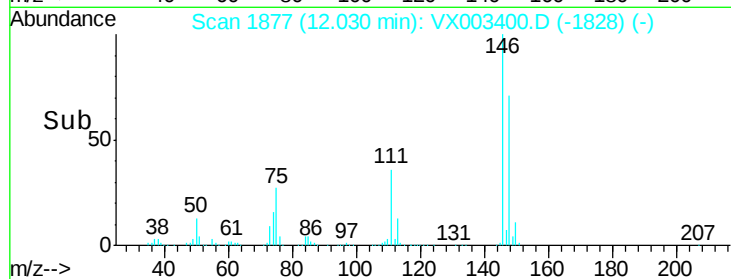
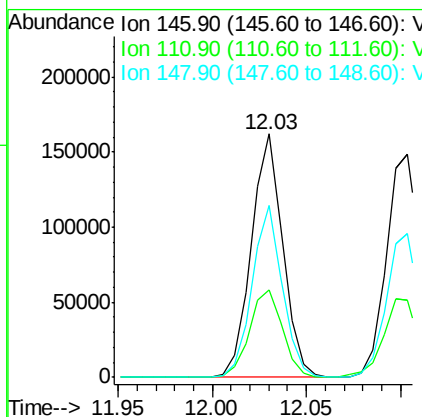
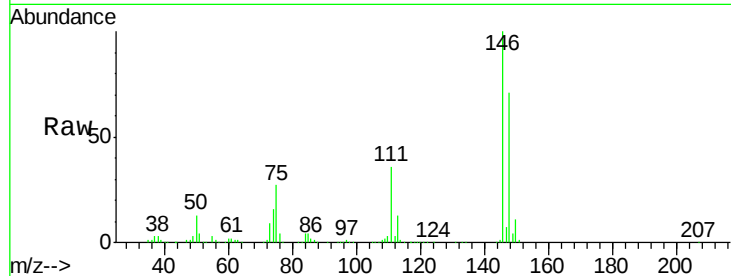
#87
 1,3-Dichlorobenzene
 Concen: 21.16 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	67.7	32.1	96.3

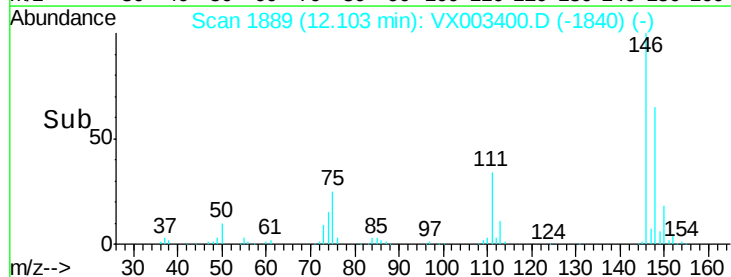
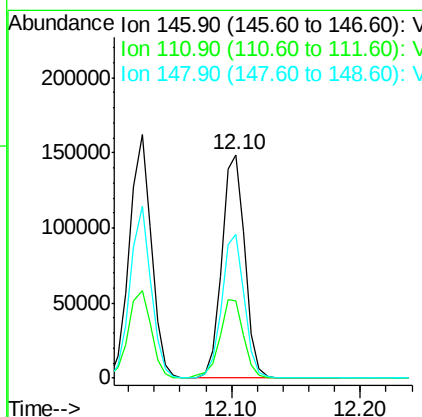
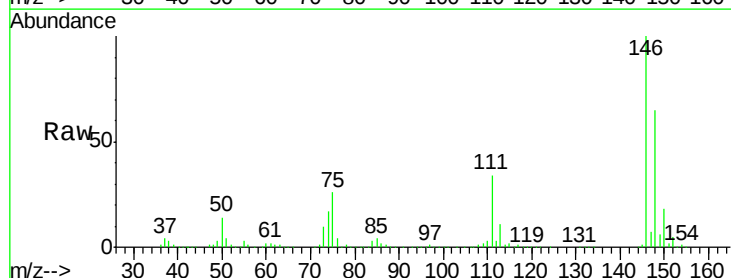
Manual Integrations
 APPROVED

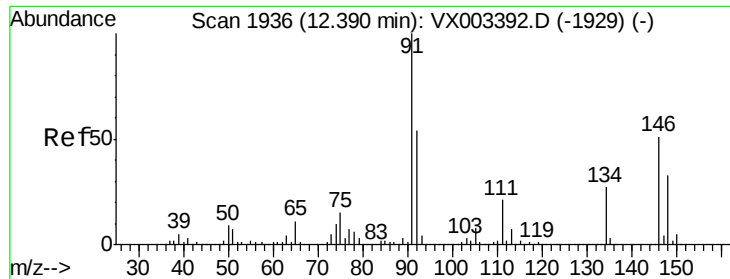
MMDadoda
 7/17/2018 1:46:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	63.5	32.4	97.0





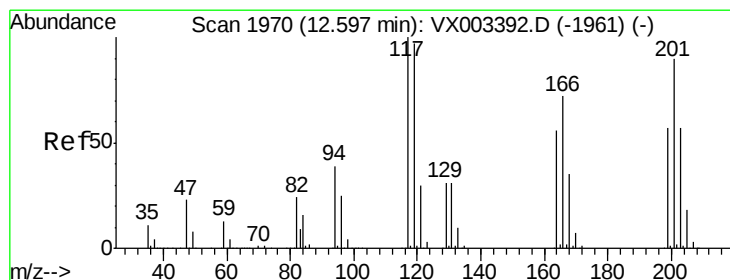
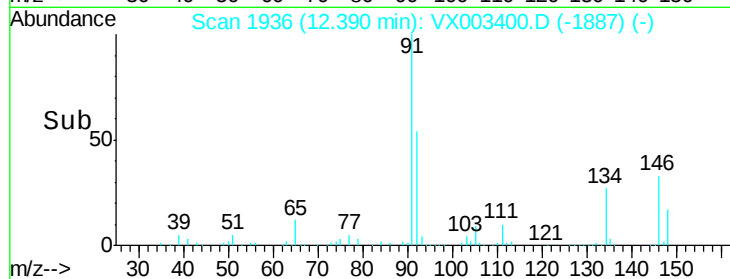
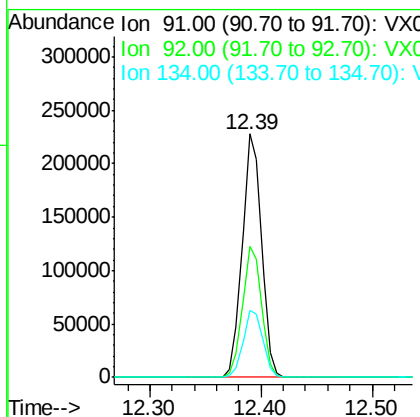
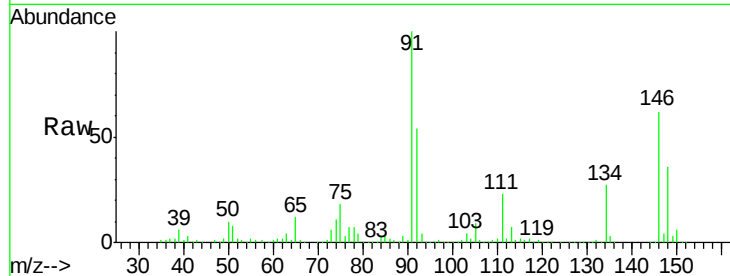
#89
n-Butylbenzene
Concen: 21.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.0	78.0
134	27.9	13.5	40.5

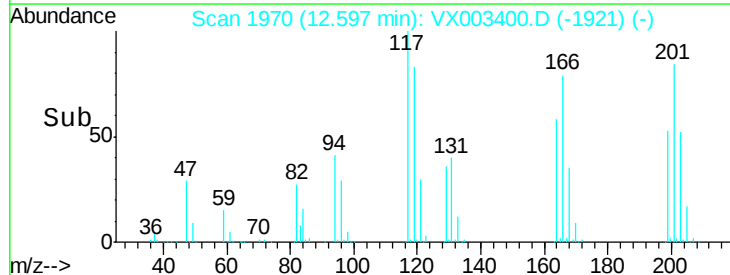
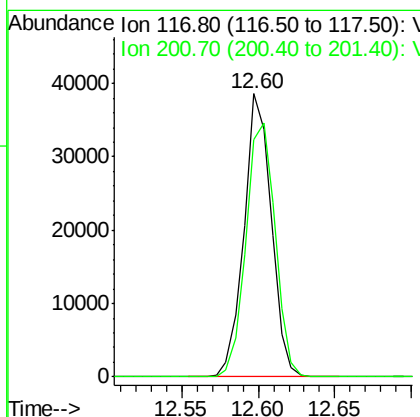
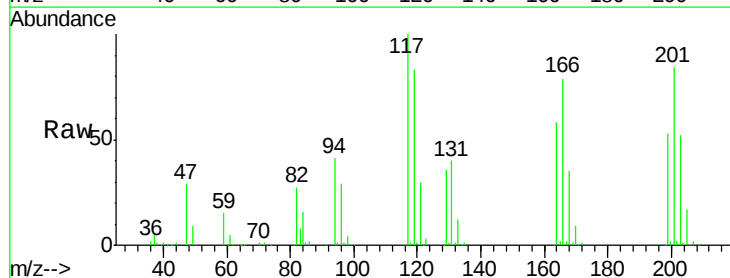
Manual Integrations
APPROVED

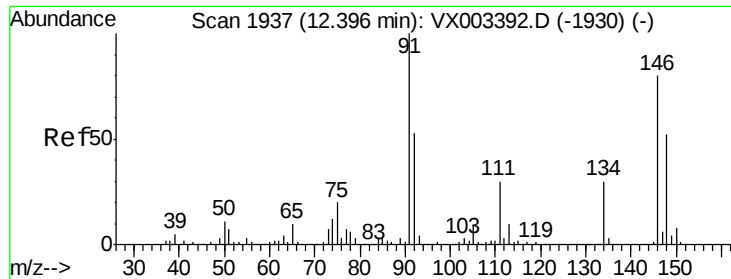
MMDadoda
7/17/2018 1:46:36 PM



#90
Hexachloroethane
Concen: 21.38 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	49.0	147.0





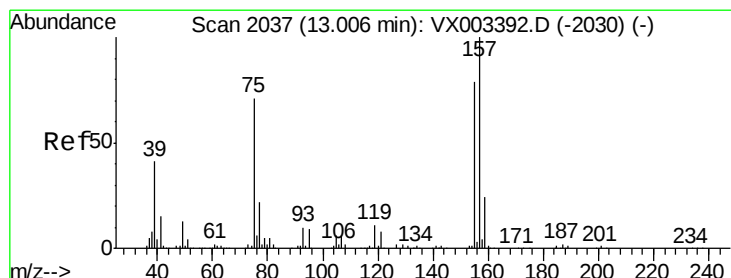
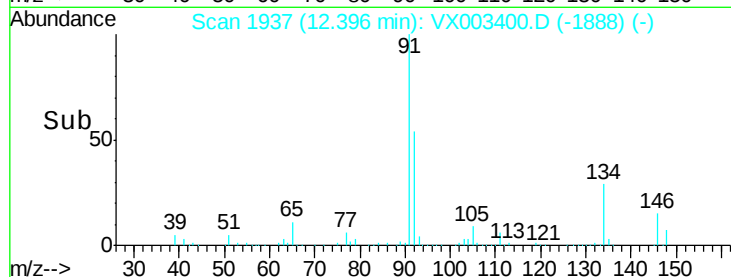
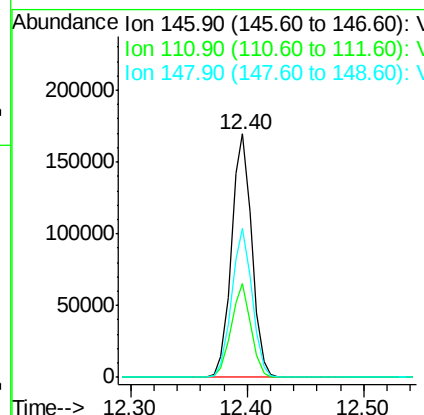
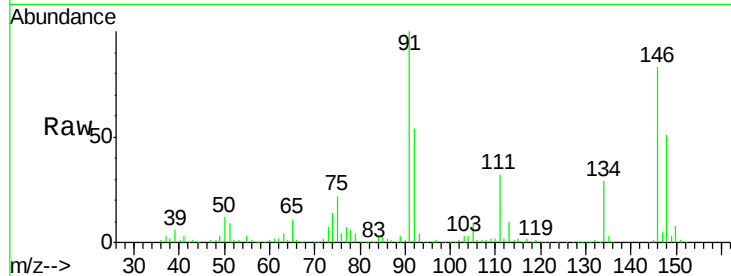
#91
 1,2-Dichlorobenzene
 Concen: 22.94 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.1
148	61.7	31.7	95.1

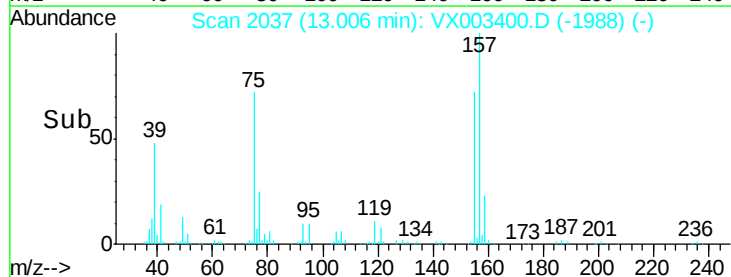
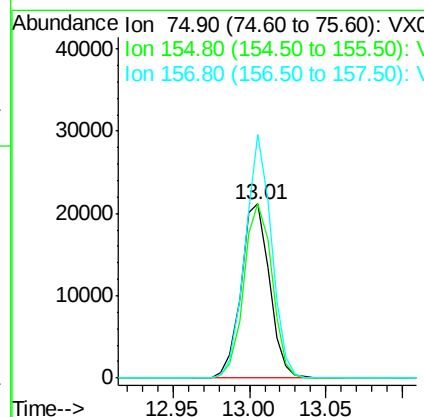
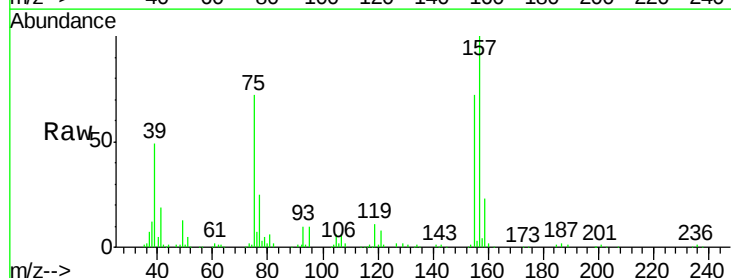
Manual Integrations
 APPROVED

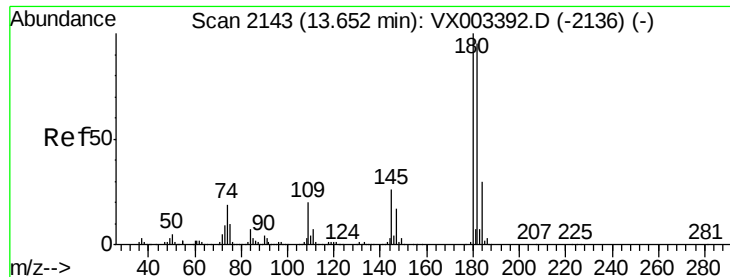
MMDadoda
 7/17/2018 1:46:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.31 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	45.8	137.4
157	129.2	60.1	180.3





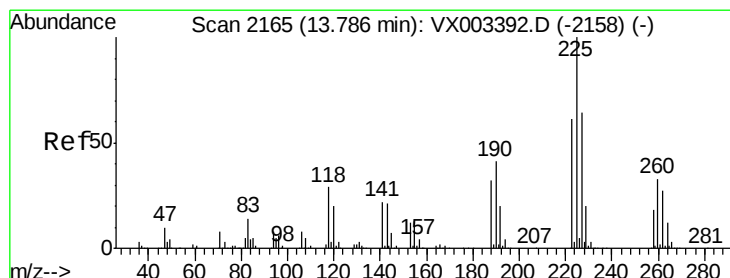
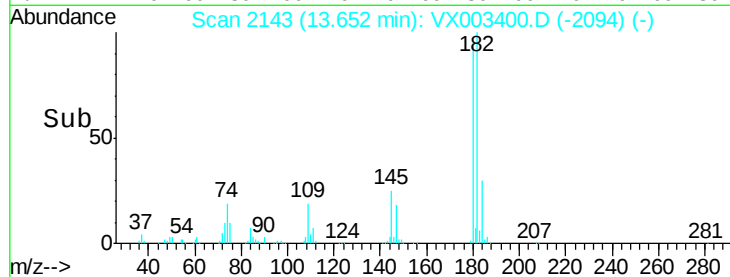
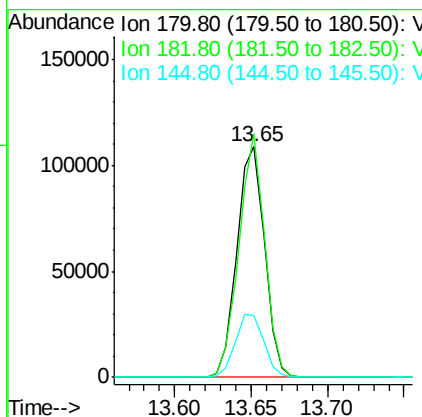
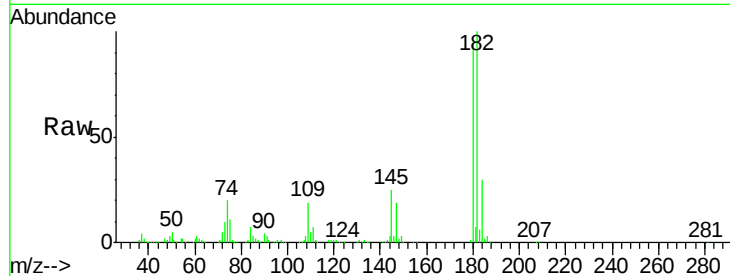
#93
 1,2,4-Trichlorobenzene
 Concen: 22.41 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.0	47.7	143.1	
145	28.0	14.1	42.4	

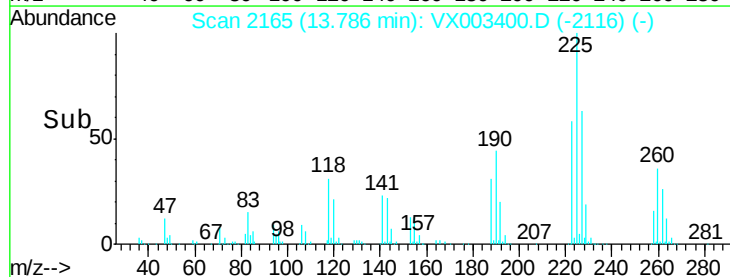
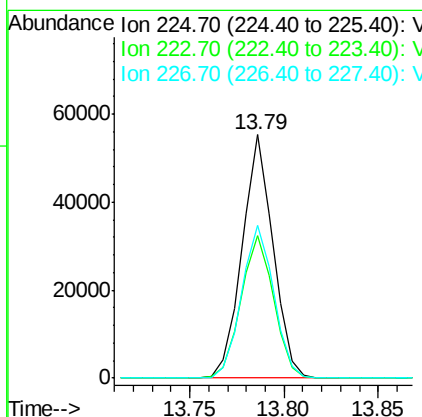
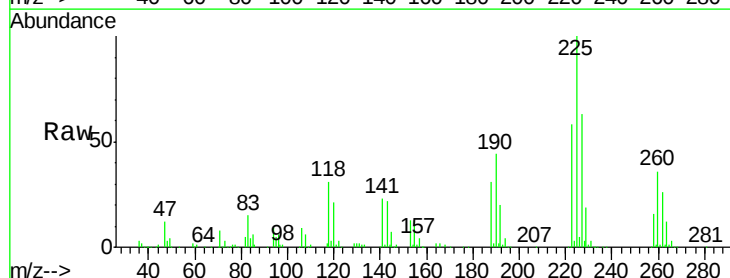
Manual Integrations
 APPROVED

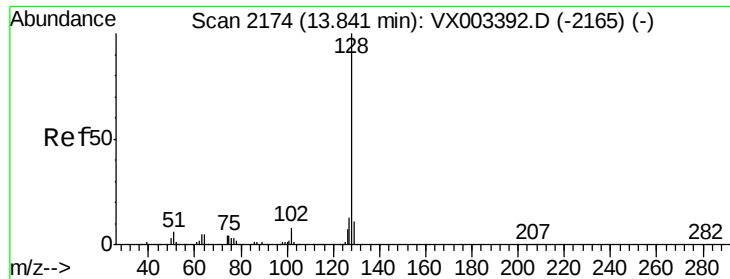
MMDadoda
 7/17/2018 1:46:36 PM



#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.6	95.0	
227	65.1	32.4	97.2	





#95

Naphthalene

Concen: 24.84 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

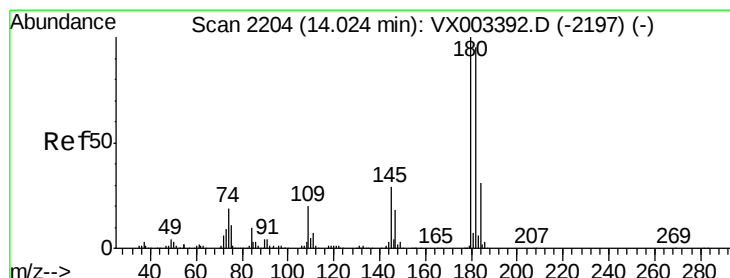
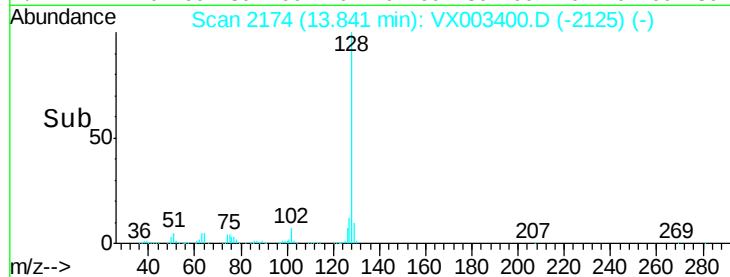
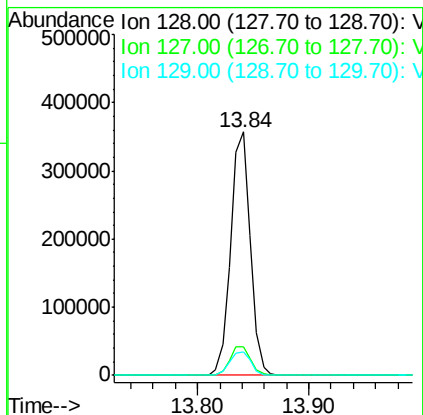
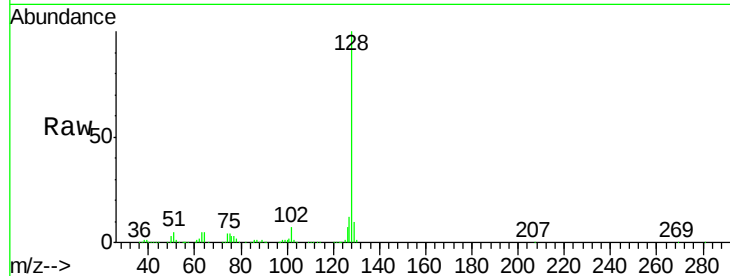
ClientSampleId :

VX0716WBSD01

Tot Ion:	128	Resp:	433736
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 24.10 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion:	180	Resp:	151002
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.0	144.0
145	29.4	14.8	44.3

