

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002682.D
 Acq On : 18 Jun 2018 15:39
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:30 PM

Quant Time: Jun 18 17:27:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	47863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	274625	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	254275	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	110767	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	11.14	95	125292	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.72	98	332586	29.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	52674	23.06	ug/l	100
3) Chloromethane	1.32	50	56401	22.74	ug/l	96
4) Vinyl Chloride	1.40	62	65360	23.65	ug/l	100
5) Bromomethane	1.64	94	42846	26.54	ug/l	99
6) Chloroethane	1.73	64	42271	22.75	ug/l	98
7) Trichlorofluoromethane	1.93	101	112000	22.80	ug/l	96
8) Diethyl Ether	2.19	74	40379	23.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64616	22.99	ug/l	98
10) 1,1-Dichloroethene	2.37	96	56249	22.73	ug/l	98
11) Methyl Iodide	2.51	142	61083	21.44	ug/l	99
12) Methyl Acetate	2.78	43	91860	22.88	ug/l	99
13) Acrolein	2.29	56	24723	86.59	ug/l	98
14) Acrylonitrile	3.15	53	169287	112.09	ug/l	98
15) Acetone	2.45	58	50629	120.61	ug/l	98
16) Carbon Disulfide	2.57	76	140956	22.75	ug/l	99
17) Allyl chloride	2.73	41	111823	22.71	ug/l	93
18) Methylene Chloride	2.86	84	62663	22.13	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	60597	22.84	ug/l	99
20) Diisopropyl ether	3.87	45	218439	23.81	ug/l	96
21) 1,1-Dichloroethane	3.70	63	116949	23.70	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	65280	22.89	ug/l #	76
23) tert-Butyl Alcohol	3.07	59	78736	114.83	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	205520	22.25	ug/l	99
25) Chloroform	5.21	83	110914	22.40	ug/l	97
26) Cyclohexane	5.57	56	93666	22.35	ug/l #	94
29) 1,1-Dichloropropene	5.80	75	82832	22.33	ug/l	100
30) 2-Butanone	4.71	43	234862	110.67	ug/l	98
31) 2,2-Dichloropropane	4.59	77	87613	22.10	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	94980	21.20	ug/l	100
33) Carbon Tetrachloride	5.78	117	84158	20.90	ug/l	96
34) Benzene	6.15	78	234173	21.32	ug/l	99
35) Methacrylonitrile	5.07	41	50895	22.03	ug/l	97
36) 1,2-Dichloroethane	6.20	62	93549	21.69	ug/l	99
37) Trichloroethene	7.21	130	70483	21.91	ug/l	89
38) Methylcyclohexane	7.46	83	99341	22.02	ug/l	98
39) 1,2-Dichloropropane	7.52	63	61551	21.48	ug/l	98
40) Dibromomethane	7.67	93	41958	21.08	ug/l	97

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Manual Integrations
 APPROVED

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 6/19/2018 1:05:30 PM

Quant Time: Jun 18 17:27:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	78213	20.92	ug/l	95
42) Vinyl Acetate	3.82	43	930469	115.61	ug/l	100
43) Ethyl Acetate	4.86	43	89290	22.00	ug/l	96
44) Isopropyl Acetate	6.47	43	143553	21.11	ug/l	100
45) 1,4-Dioxane	7.76	88	28516	428.03	ug/l #	89
46) Methyl methacrylate	7.78	41	74415	21.42	ug/l	98
47) n-amyl Acetate	10.90	43	132476	20.64	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	93023	21.19	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	85744	20.91	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	62190	21.18	ug/l	99
51) Ethyl methacrylate	9.18	69	92922	20.97	ug/l	97
52) 1,3-Dichloropropane	9.37	76	103699	21.62	ug/l	99
53) Dibromochloromethane	9.59	129	63273	20.30	ug/l	100
54) 1,2-Dibromoethane	9.68	107	65466	21.16	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	245033	116.41	ug/l	99
56) Bromoform	10.86	173	47987	19.29	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	473153	109.60	ug/l	98
59) 2-Hexanone	9.50	43	366115	110.94	ug/l	100
61) Tetrachloroethene	9.34	164	77614	22.24	ug/l	98
62) Toluene	8.79	91	268758	21.93	ug/l	99
64) Chlorobenzene	10.14	112	180206	22.13	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	64552	21.63	ug/l	99
66) Ethyl Benzene	10.26	91	303635	22.00	ug/l	100
67) m/p-Xylenes	10.36	106	235377	43.88	ug/l	99
68) o-Xylene	10.70	106	113729	21.76	ug/l	98
69) Styrene	10.71	104	190953	21.90	ug/l	98
70) Isopropylbenzene	11.02	105	314606	21.83	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	93280	21.65	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	81035m	21.70	ug/l	
73) Bromobenzene	11.26	156	87036	21.72	ug/l	93
74) n-propylbenzene	11.37	91	373535	22.33	ug/l	99
75) 2-Chlorotoluene	11.43	91	214321	22.01	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	265880	21.73	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	24732	20.59	ug/l	87
78) 4-Chlorotoluene	11.51	91	255682	22.17	ug/l	99
79) tert-butylbenzene	12.07	119	298558	22.12	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	273295	21.87	ug/l	98
81) sec-Butylbenzene	11.95	105	328521	21.95	ug/l	99
82) p-Isopropyltoluene	12.07	119	298558	22.12	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	163223	22.13	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	164274	22.05	ug/l	99
85) n-Butylbenzene	12.39	91	264462	22.11	ug/l	99
86) Hexachloroethane	12.60	117	41505	20.29	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	161691	21.71	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19341	20.10	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	125268	22.28	ug/l	99
90) Hexachlorobutadiene	13.79	225	66733	22.80	ug/l	100
91) Naphthalene	13.84	128	331539	22.25	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	124493	22.26	ug/l	99

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ICVVX061818

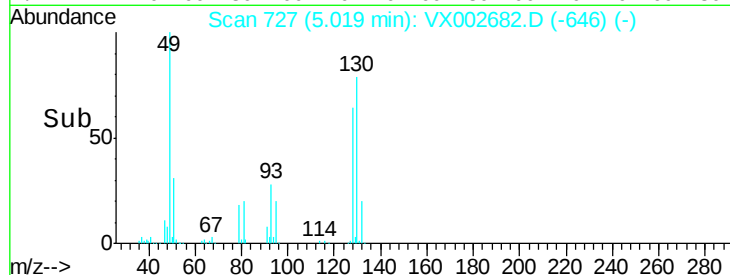
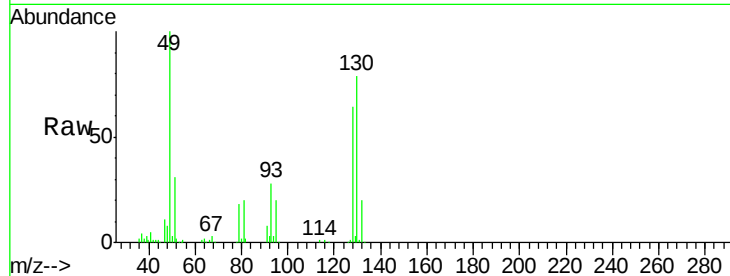
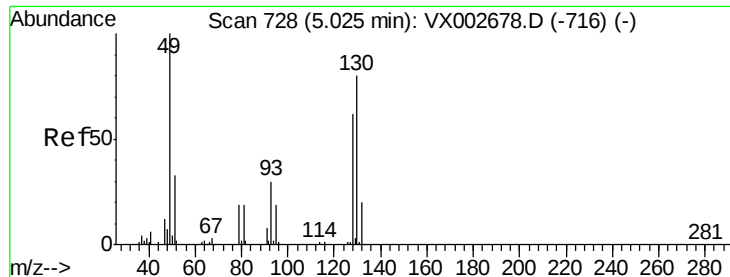
Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 18 15:18:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002682.D

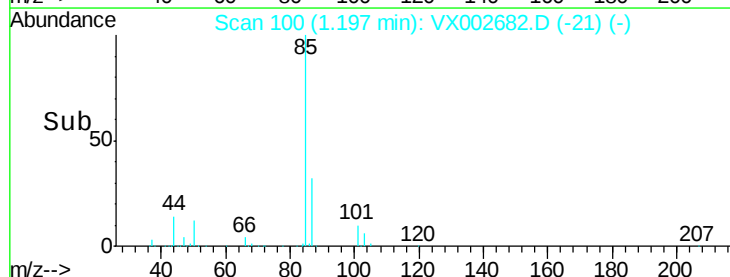
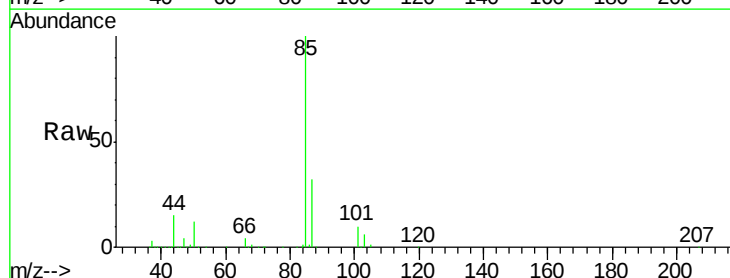
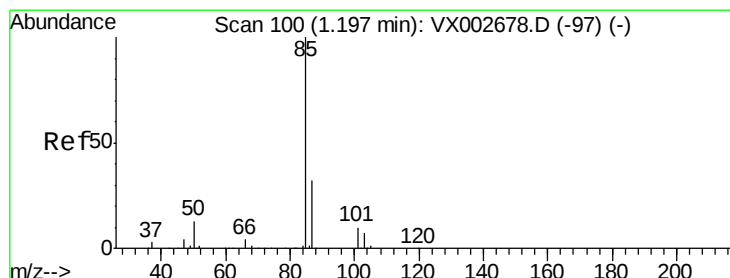
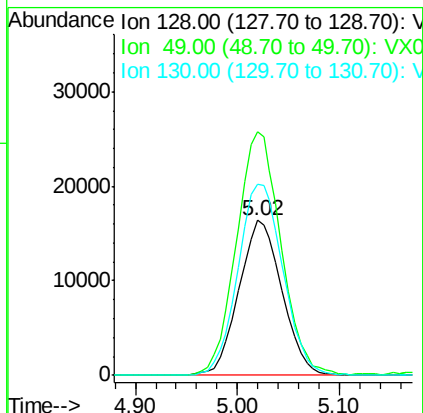
Acq: 18 Jun 2018 15:39

Tot Ion:	128	Resp:	47863
Ion	Ratio	Lower	Upper
128	100		
49	162.7	0.0	423.0
130	129.8	0.0	324.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 23.06 ug/l

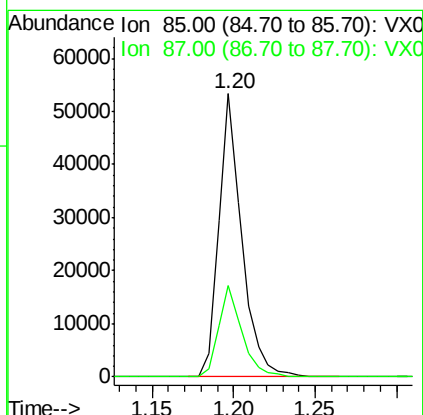
RT: 1.20 min Scan# 100

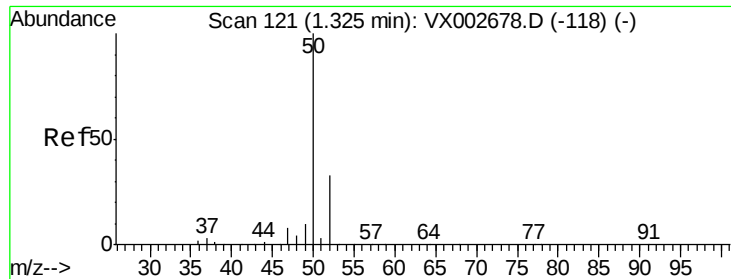
Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion:	85	Resp:	52674
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.2	48.5





#3

Chloromethane

Concen: 22.74 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 50 Resp: 56401

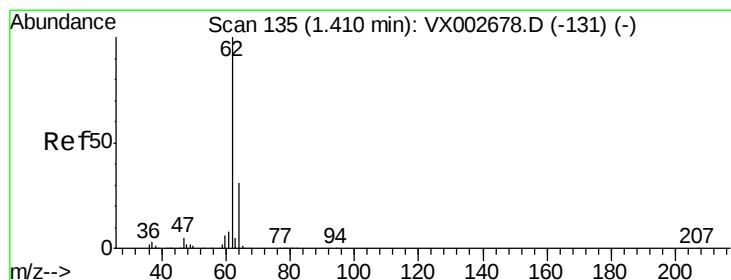
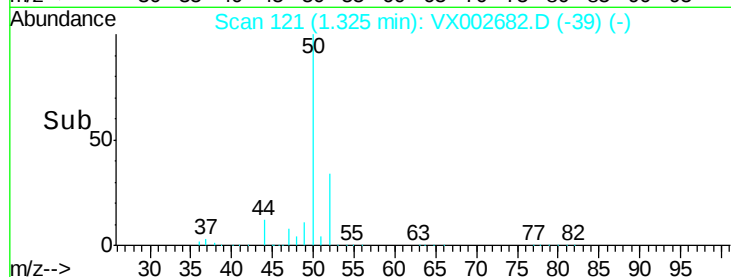
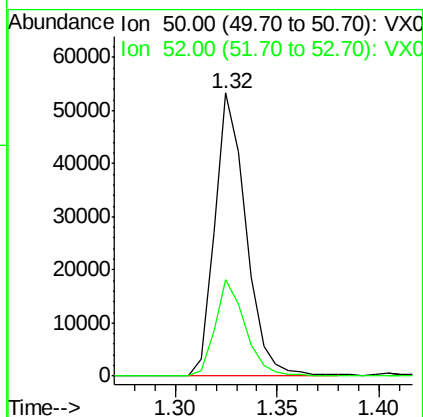
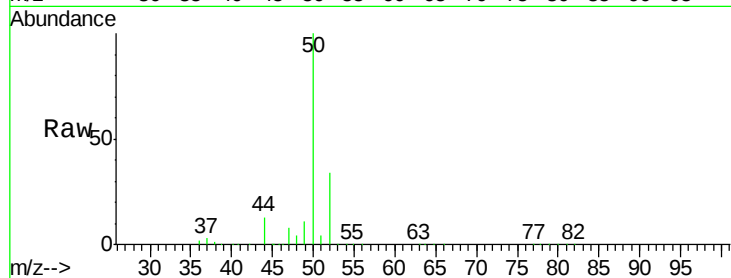
Ion Ratio Lower Upper

50 100

52 34.2 25.6 38.4

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#4

Vinyl Chloride

Concen: 23.65 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002682.D

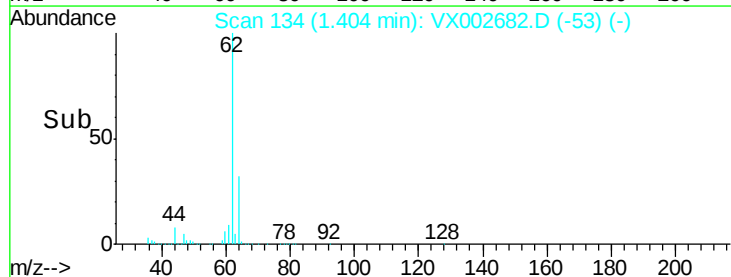
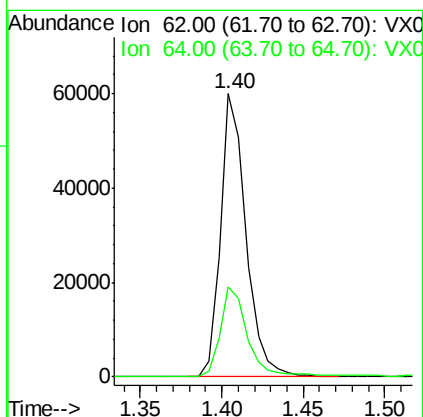
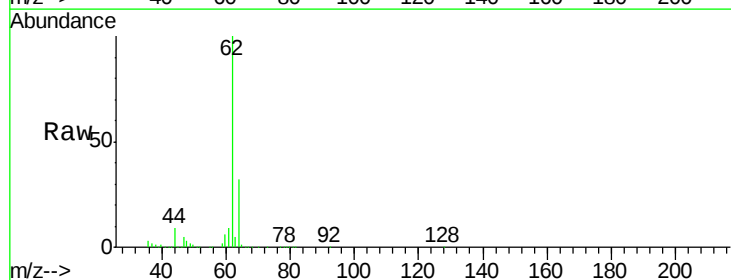
Acq: 18 Jun 2018 15:39

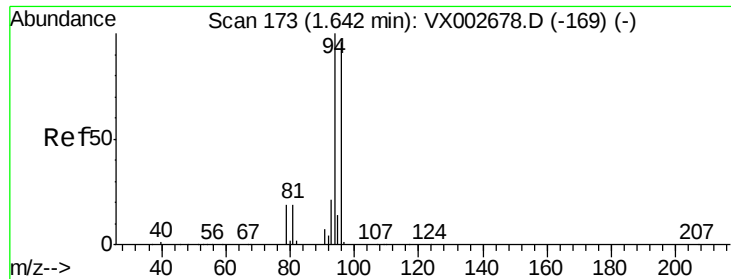
Tgt Ion: 62 Resp: 65360

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 26.54 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 94 Resp: 42846

Ion Ratio Lower Upper

94 100

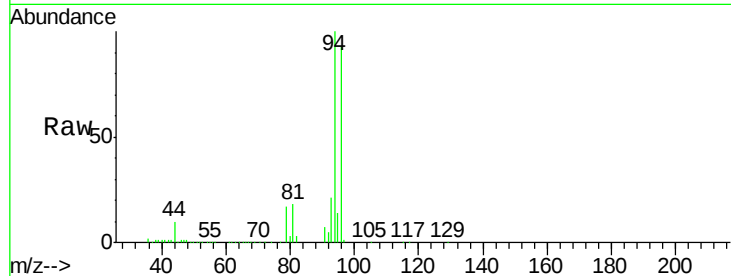
96 93.3 75.7 113.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

40000

30000

20000

10000

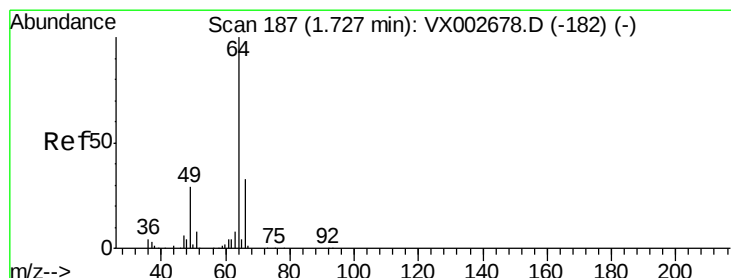
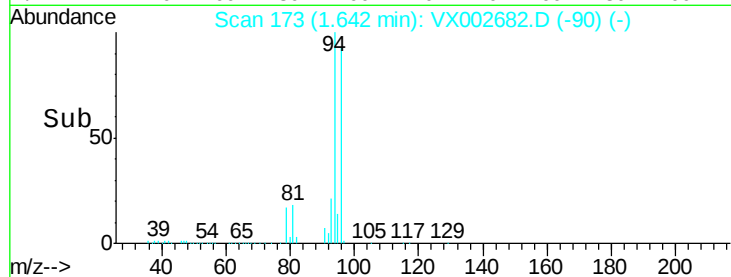
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Time-->

1.60

1.65

1.64



#6

Chloroethane

Concen: 22.75 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX002682.D

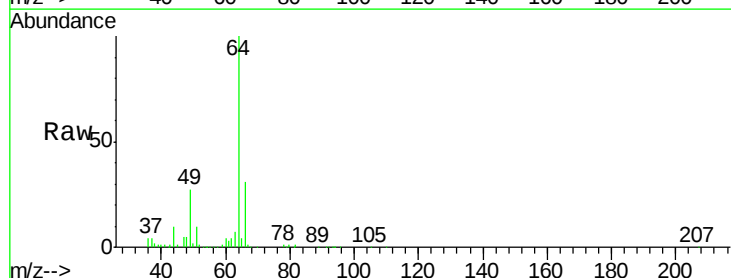
Acq: 18 Jun 2018 15:39

Tgt Ion: 64 Resp: 42271

Ion Ratio Lower Upper

64 100

66 31.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

30000

20000

10000

0

Time-->

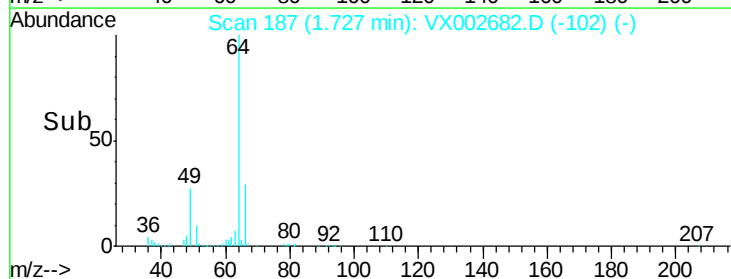
1.65

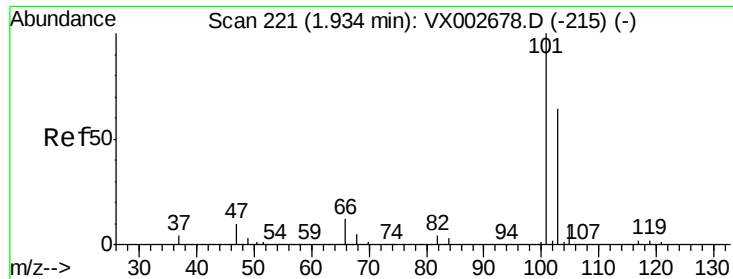
1.70

1.73

1.75

1.80





#7

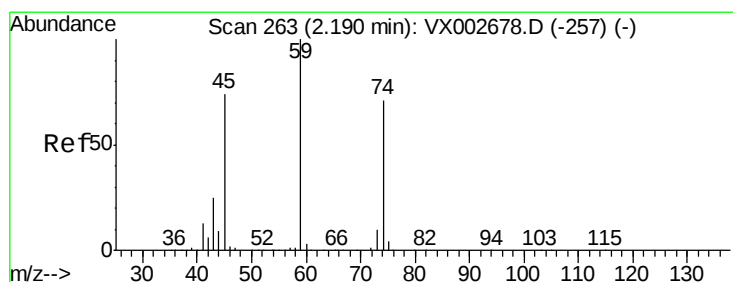
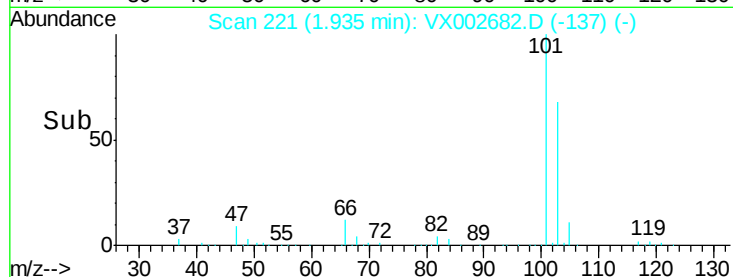
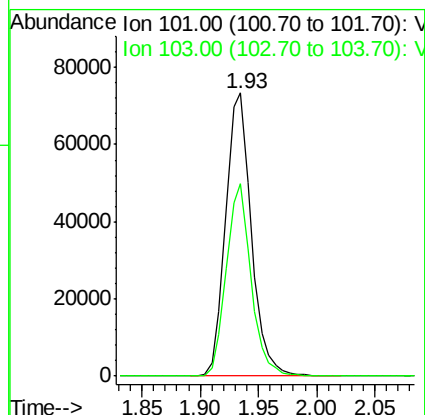
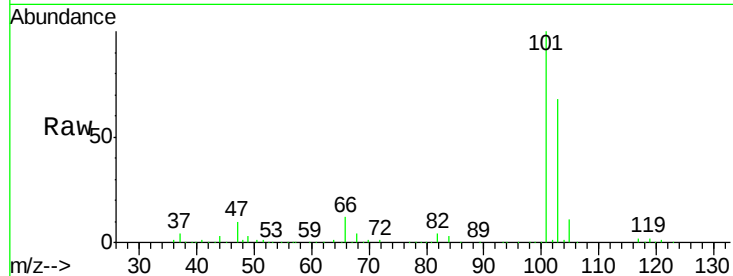
Trichlorofluoromethane
Concen: 22.80 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.5	77.3

Manual Integrations
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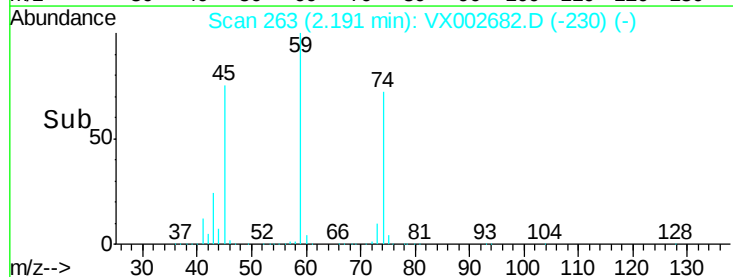
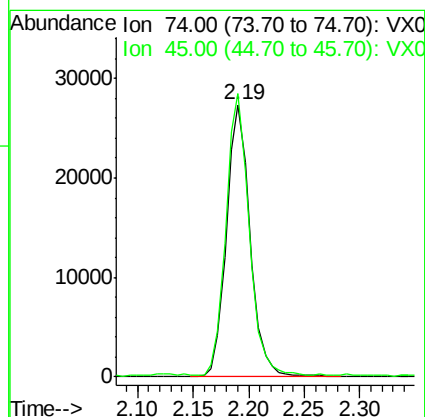
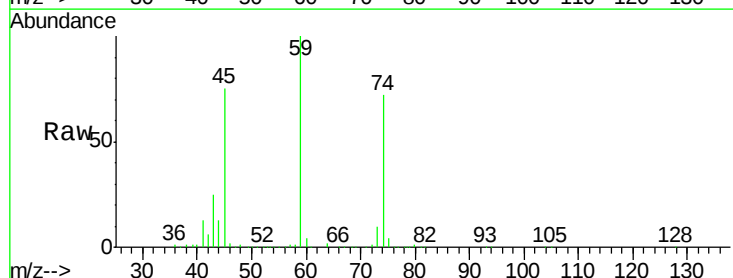
MMDadoda
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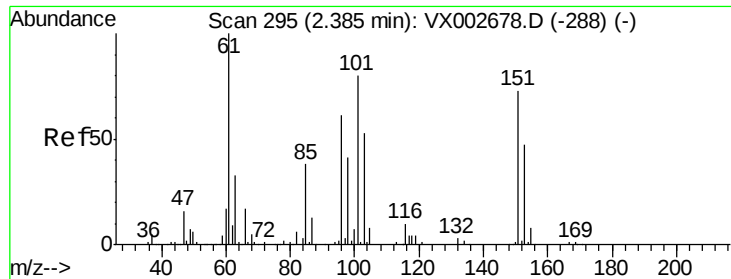


#8

Diethyl Ether
Concen: 23.06 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.99 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

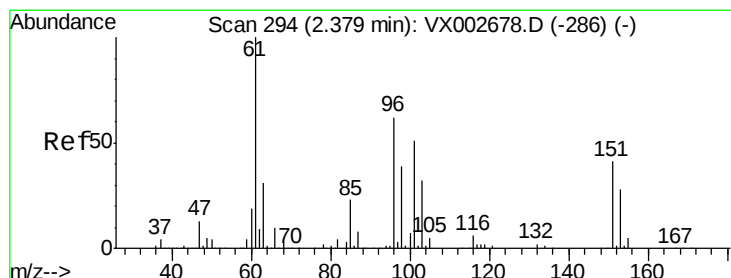
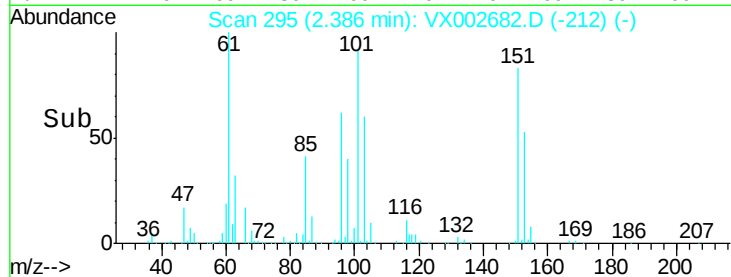
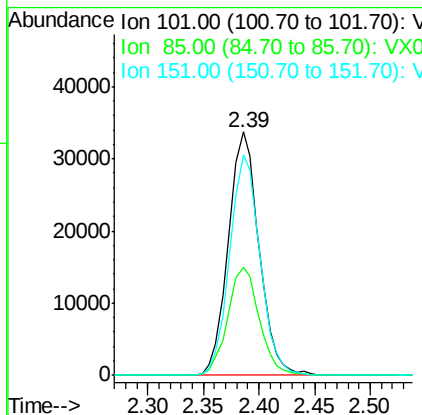
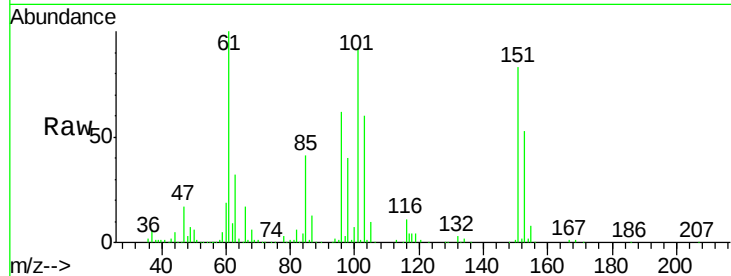
ClientSampleId :

ICVVX061818

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	0.0	87.0
151	89.6	0.0	177.6

Manual Integrations
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6/19/2018 1:05:30 PM



#10

1,1-Dichloroethene

Concen: 22.73 ug/l

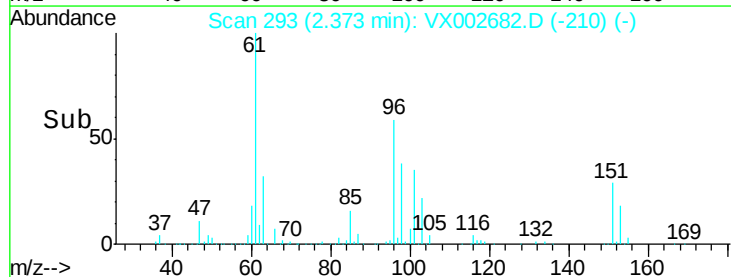
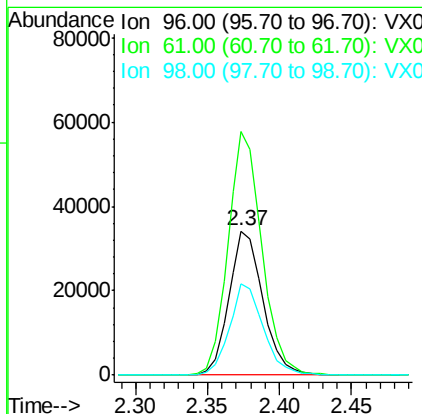
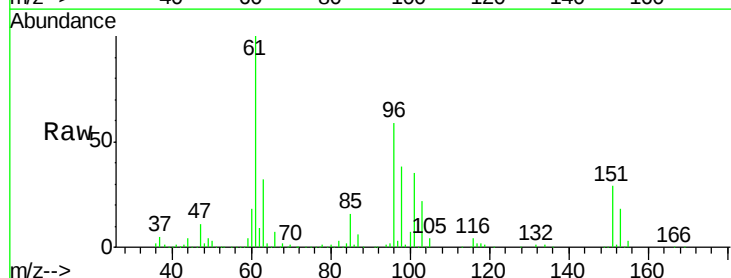
RT: 2.37 min Scan# 293

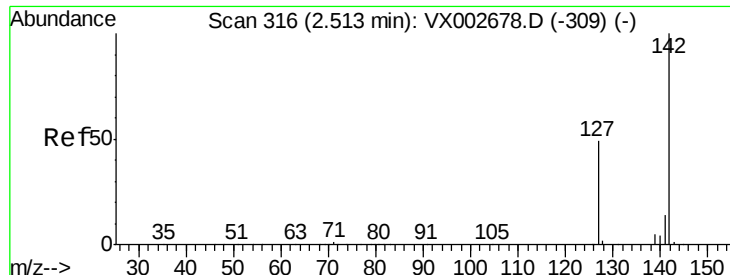
Delta R.T. 0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	137.5	206.3
98	63.7	51.4	77.2





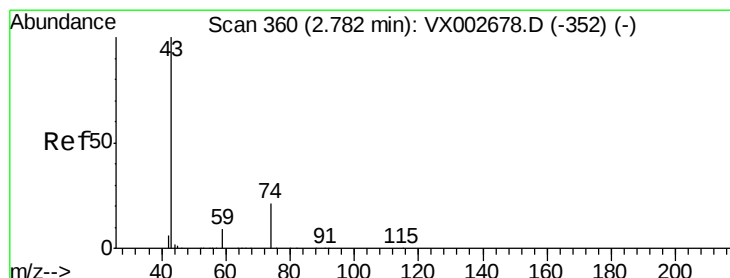
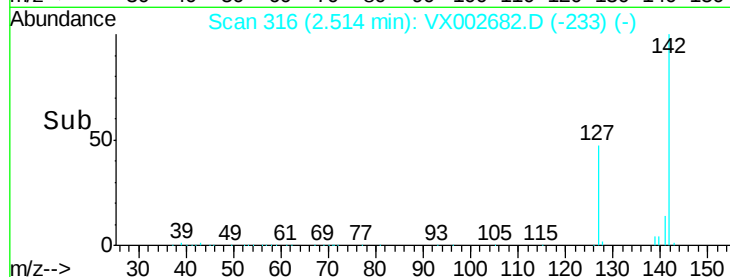
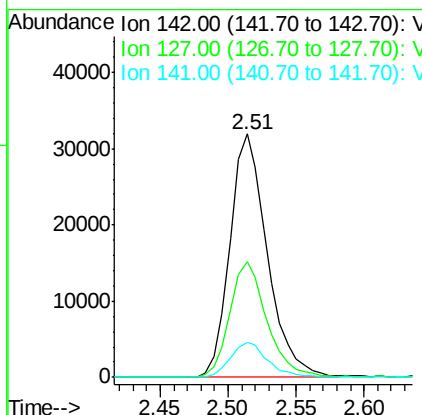
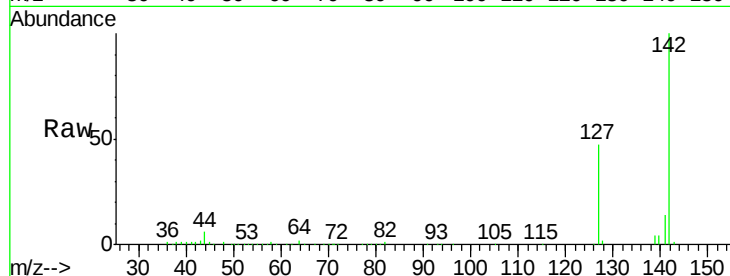
#11
Methvl Iodide
Concen: 21.44 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.4	23.2	69.6
141	14.3	7.4	22.2

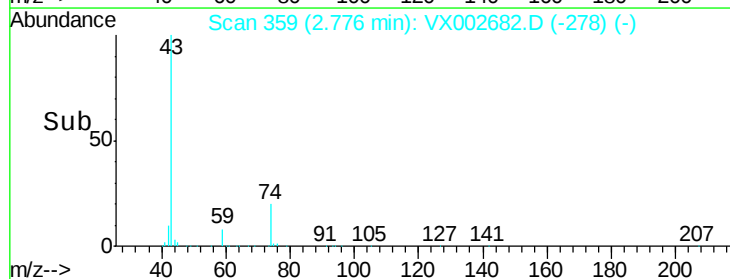
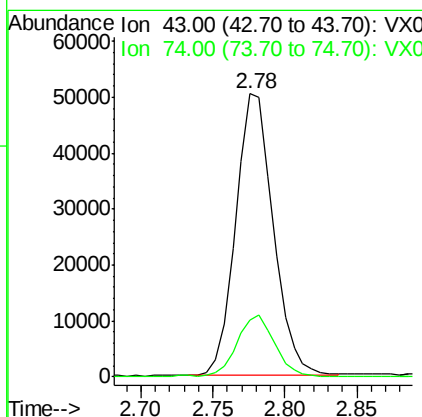
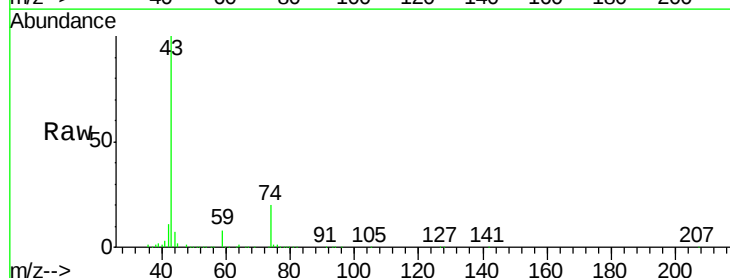
Manual Integrations
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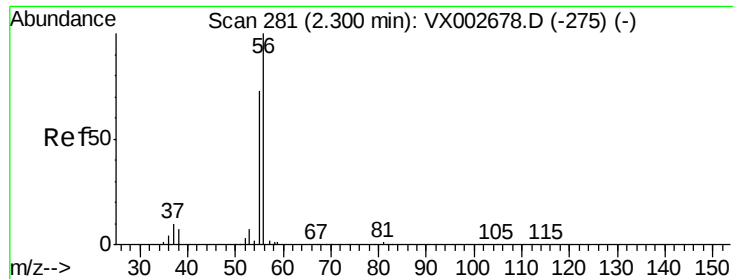
MMDadoda
6/19/2018 1:05:30 PM



#12
Methyl Acetate
Concen: 22.88 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.4	24.6





#13

Acrolein

Concen: 86.59 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 56 Resp: 24723

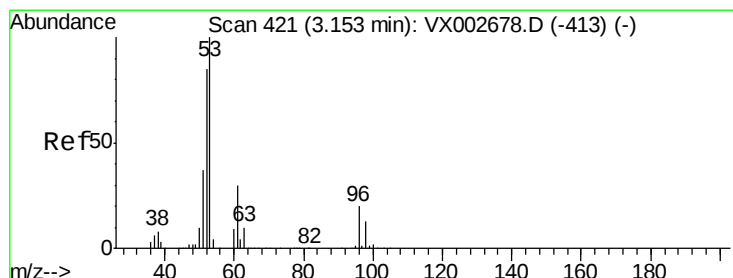
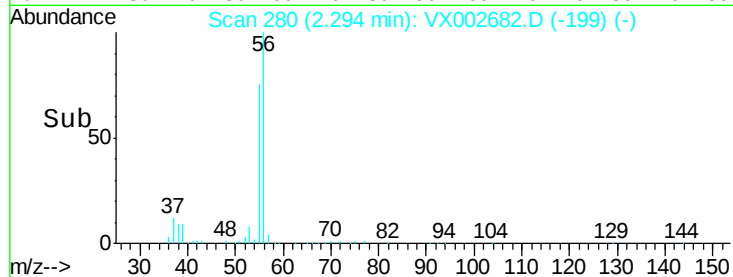
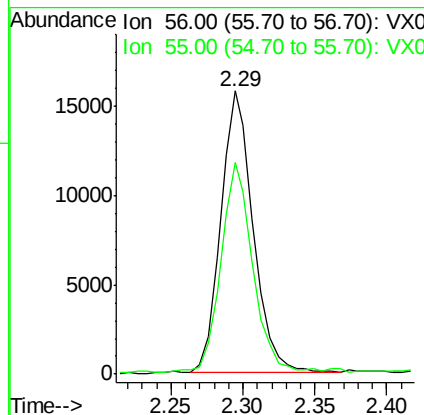
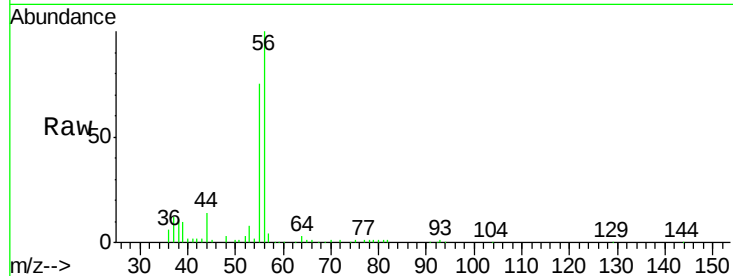
Ion Ratio Lower Upper

56 100

55 73.3 57.3 85.9

Manual Integrations
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#14

Acrylonitrile

Concen: 112.09 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

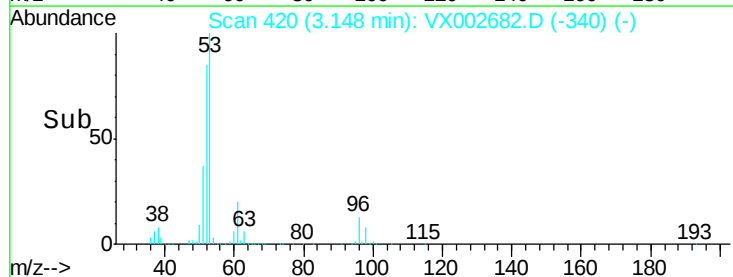
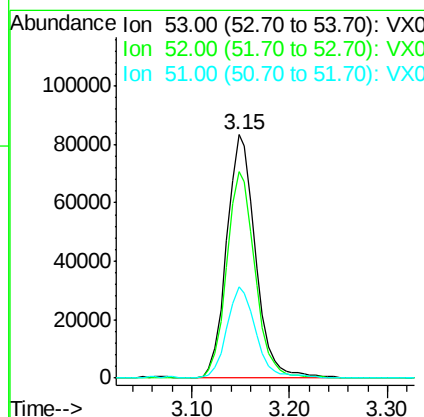
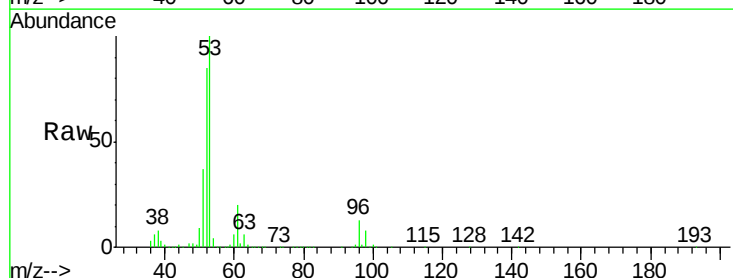
Tgt Ion: 53 Resp: 169287

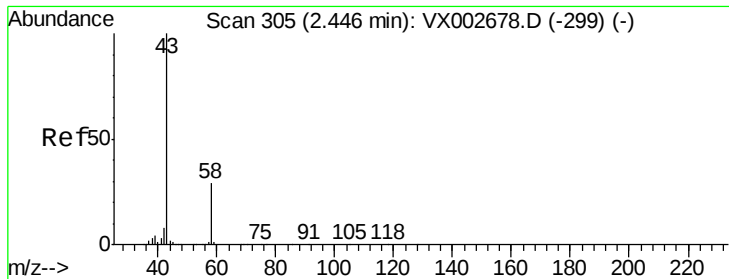
Ion Ratio Lower Upper

53 100

52 83.9 41.5 124.6

51 38.1 17.9 53.8





#15

Acetone

Concen: 120.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 58 Resp: 50629

Ion Ratio Lower Upper

58 100

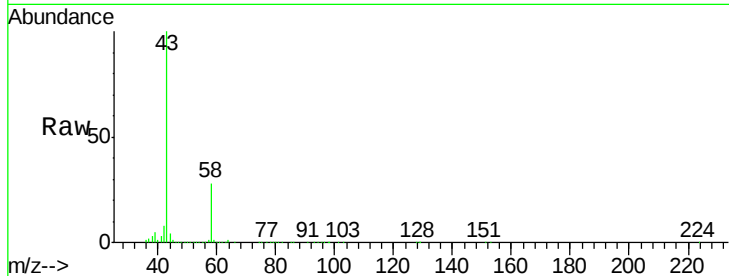
43 351.8 278.8 418.2

Manual Integrations

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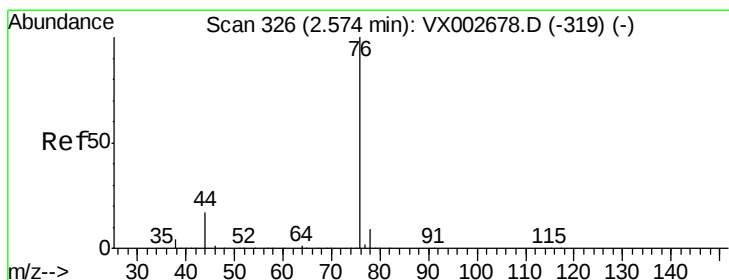
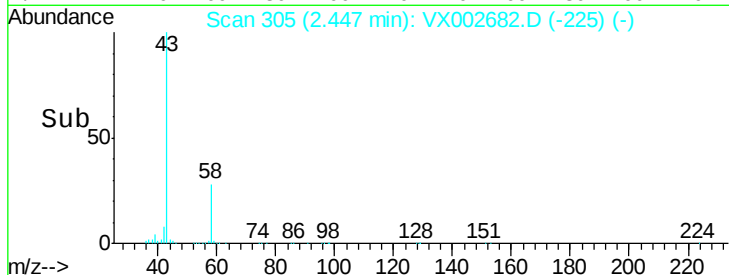
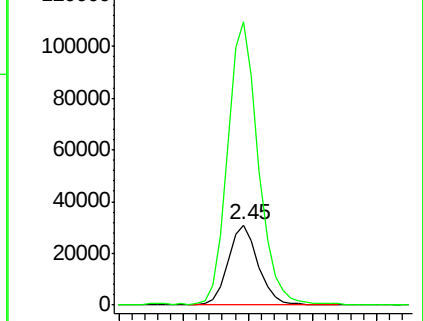
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 22.75 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002682.D

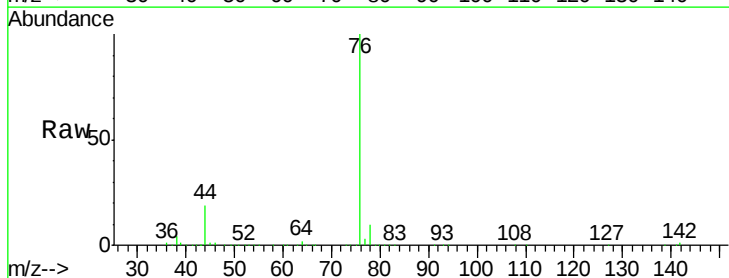
Acq: 18 Jun 2018 15:39

Tgt Ion: 76 Resp: 140956

Ion Ratio Lower Upper

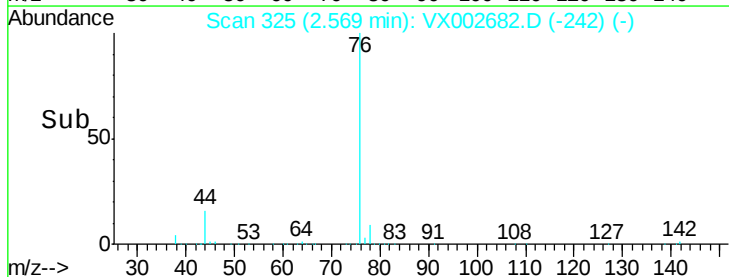
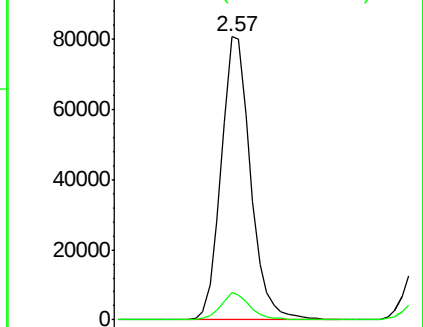
76 100

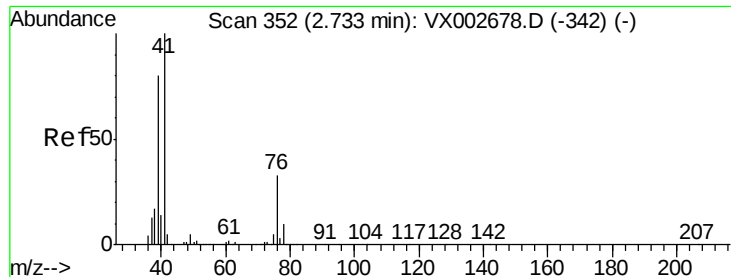
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 22.71 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

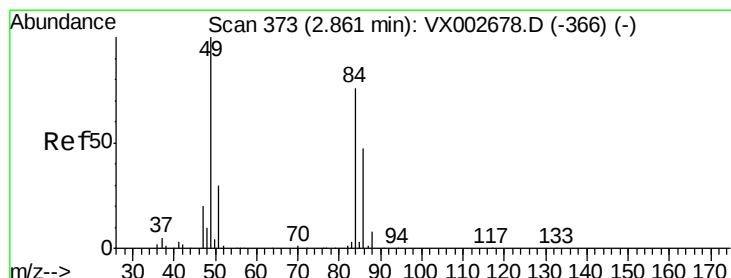
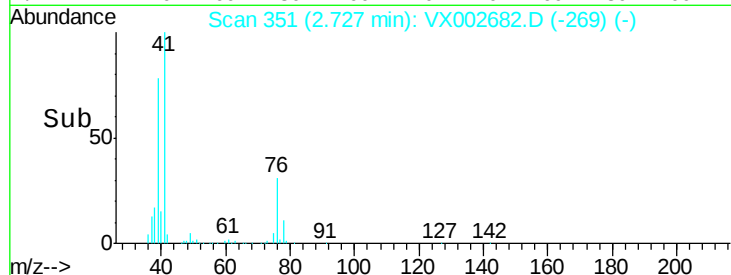
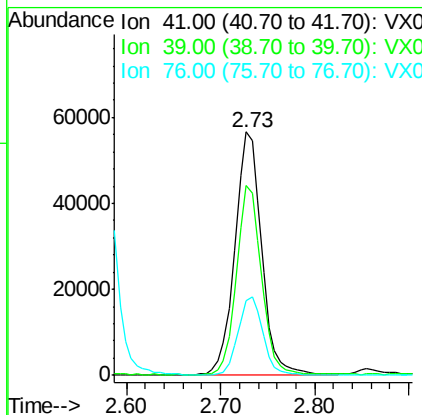
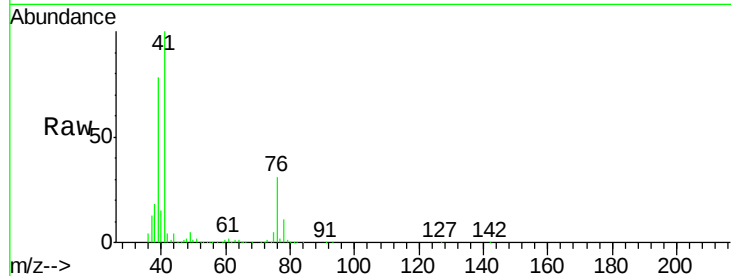
ClientSampleId :

ICVVX061818

Tot Ion:	41	Resp:	111823
Ion	Ratio	Lower	Upper
41	100		
39	77.5	34.6	103.8
76	30.7	15.0	45.1

Manual Integrations
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#18

Methylene Chloride

Concen: 22.13 ug/l

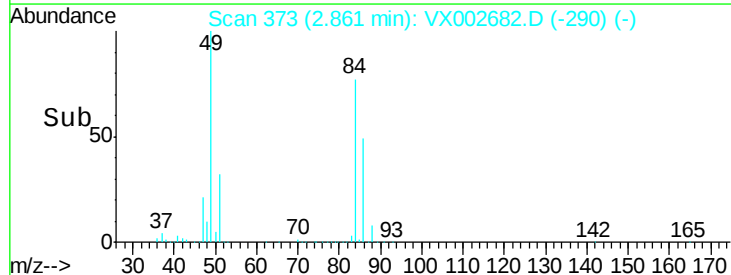
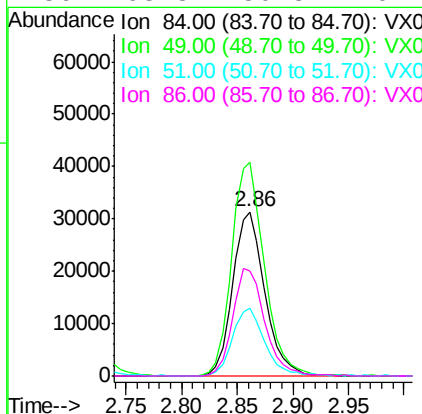
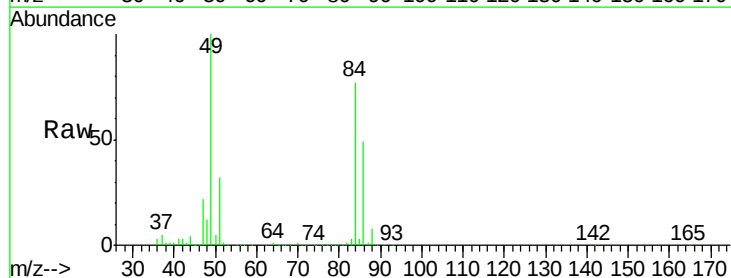
RT: 2.86 min Scan# 373

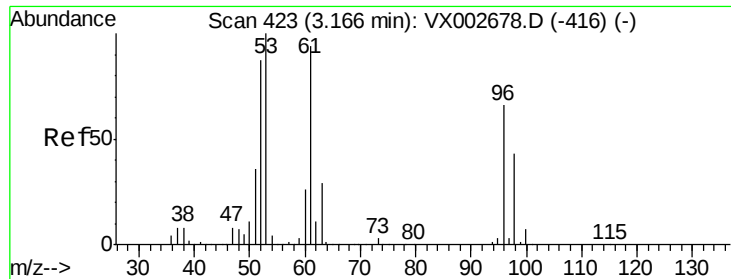
Delta R.T. 0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion:	84	Resp:	62663
Ion	Ratio	Lower	Upper
84	100		
49	130.0	104.7	157.1
51	41.0	31.0	46.4
86	63.8	50.8	76.2





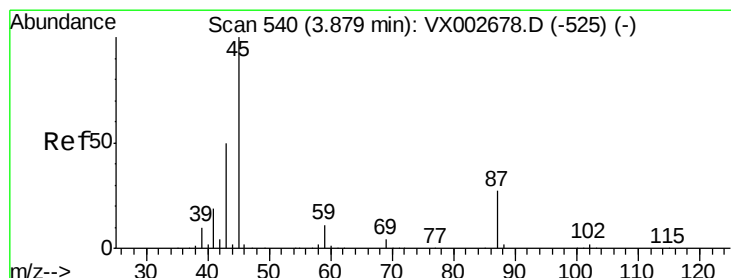
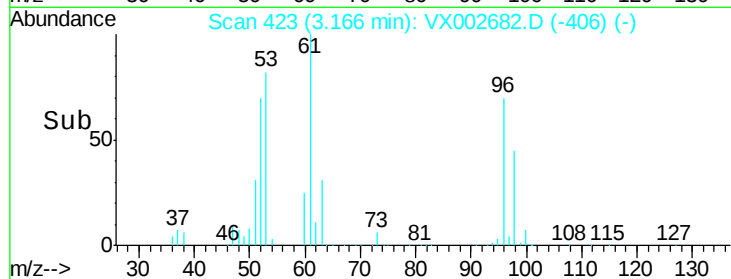
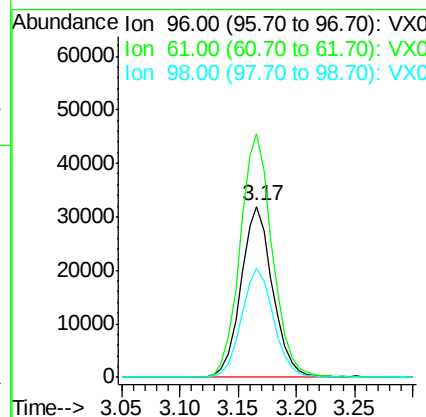
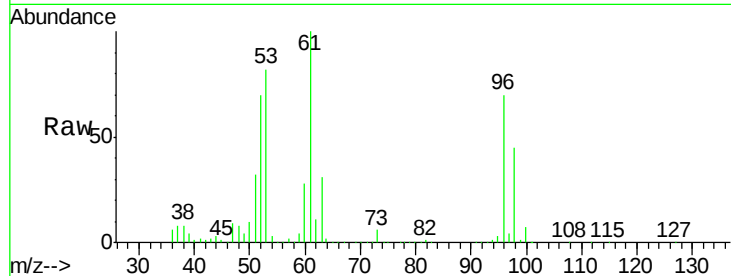
#19
trans-1,2-Dichloroethene
Concen: 22.84 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	114.6	172.0
98	63.9	51.3	76.9

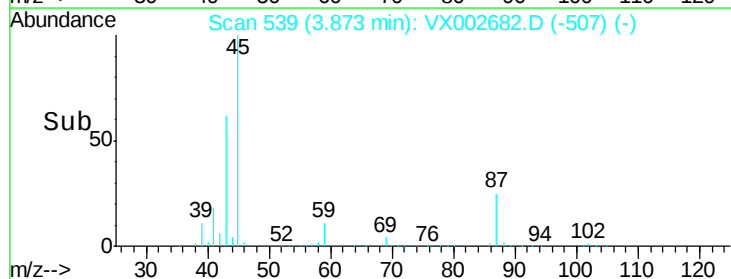
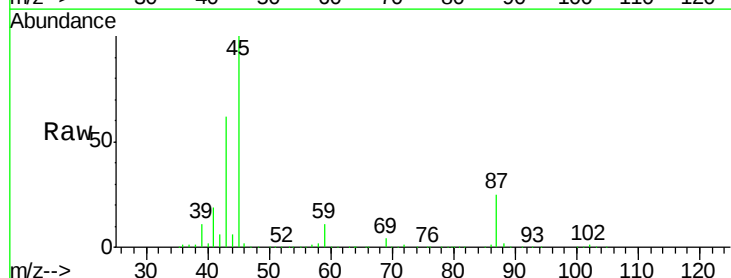
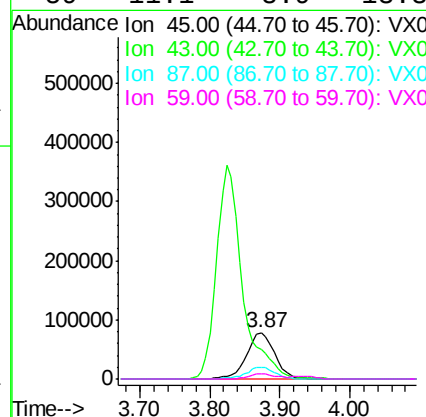
Manual Integrations
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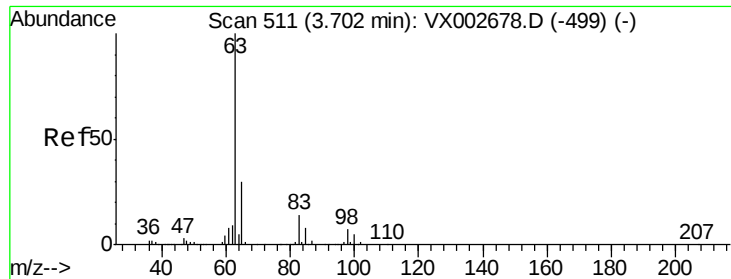
MMDadoda
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#20
Diisopropyl ether
Concen: 23.81 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	45.6	68.4
87	25.1	20.7	31.1
59	11.1	8.9	13.3





#21

1,1-Dichloroethane

Concen: 23.70 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

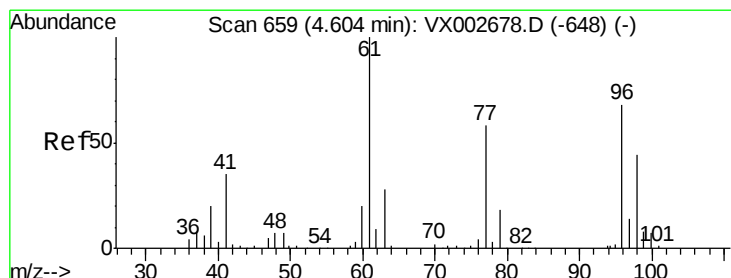
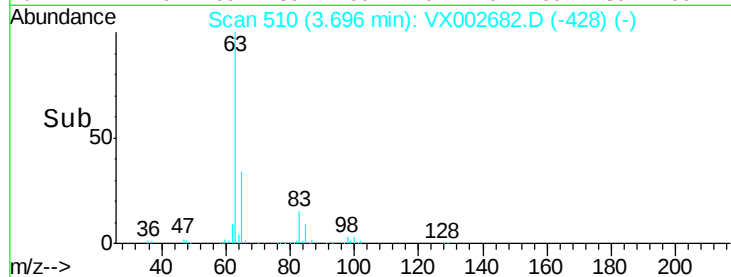
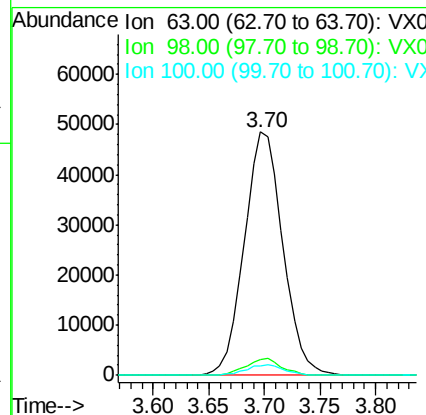
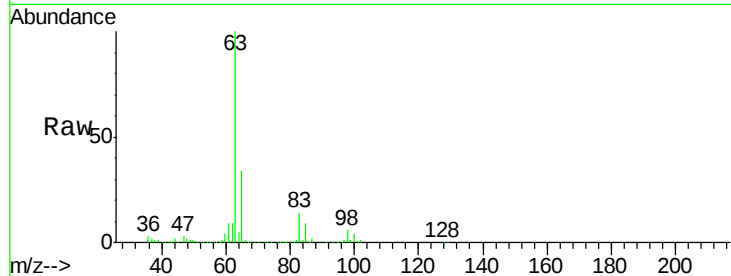
ClientSampleId :

ICVVX061818

Tot Ion:	63	Resp:	116949
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.1	9.3
100	4.0	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 22.89 ug/l

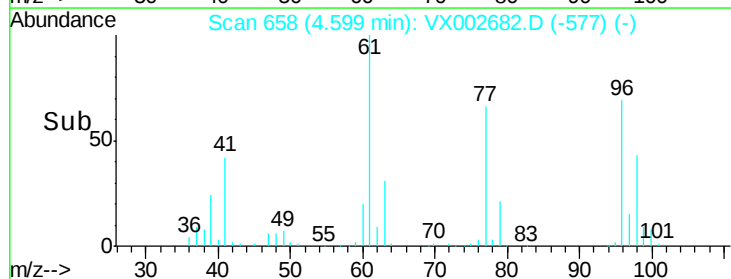
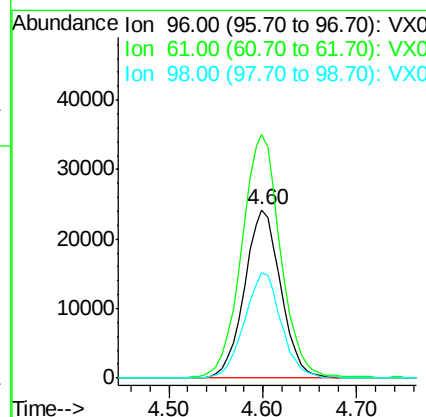
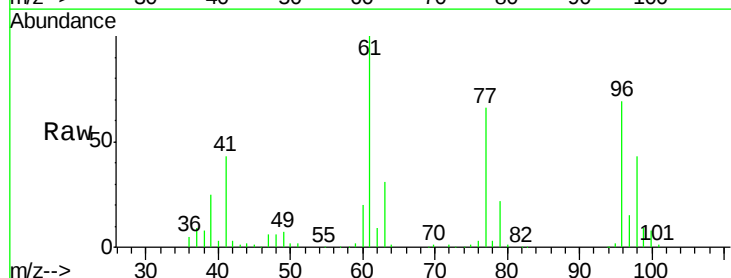
RT: 4.60 min Scan# 658

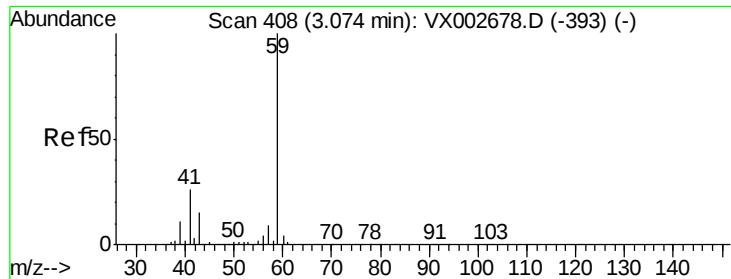
Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion:	96	Resp:	65280
Ion Ratio	Lower	Upper	
96	100		
61	154.4	160.2	240.2#
98	63.4	54.1	81.1





#23

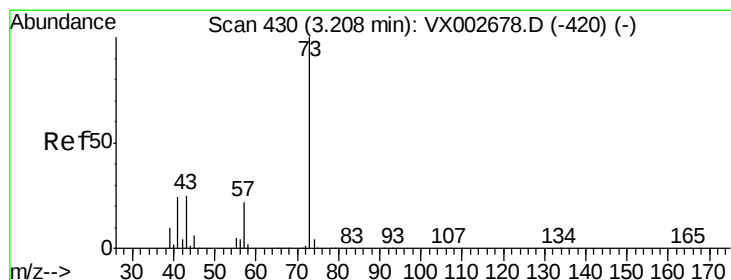
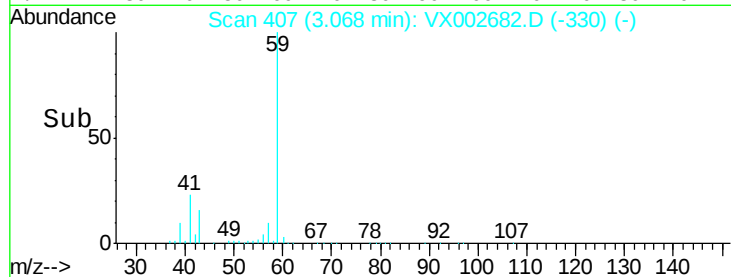
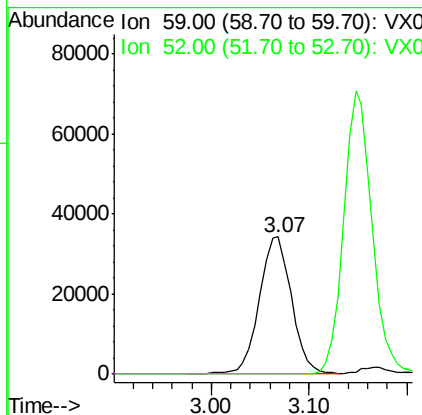
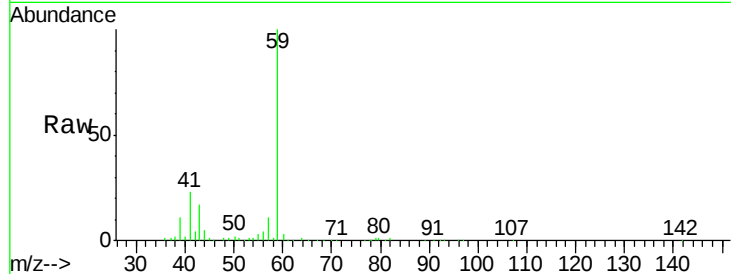
tert-Butyl Alcohol
 Concen: 114.83 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.03 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.5	0.2	0.2	0.2

Manual Integrations
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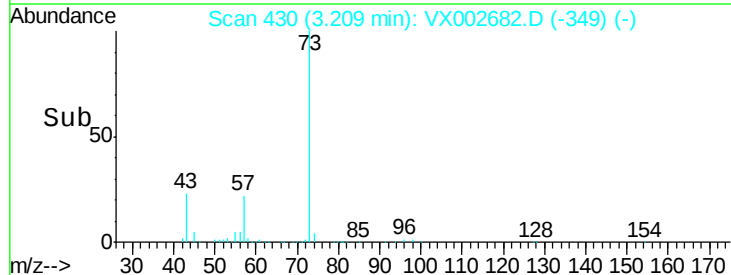
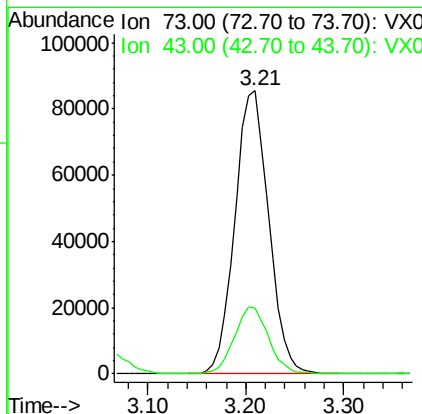
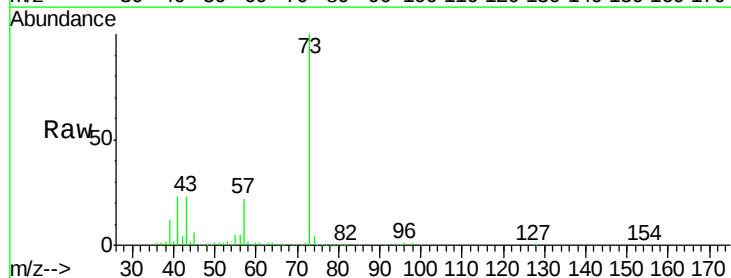
MMDadoda
 6/19/2018 1:05:30 PM

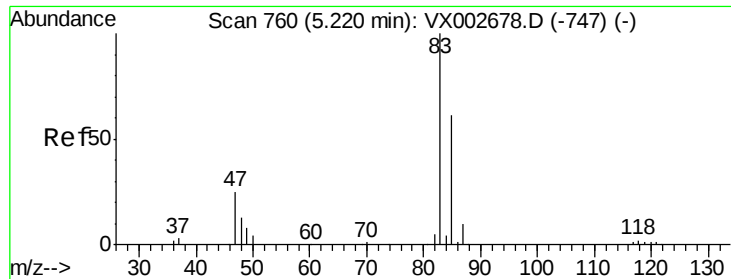


#24

Methyl tert-Butyl Ether
 Concen: 22.25 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	23.2	19.0	28.4	





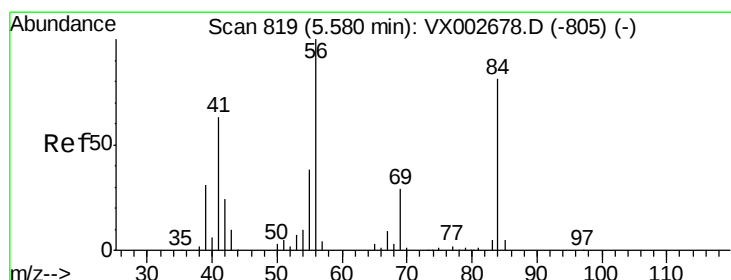
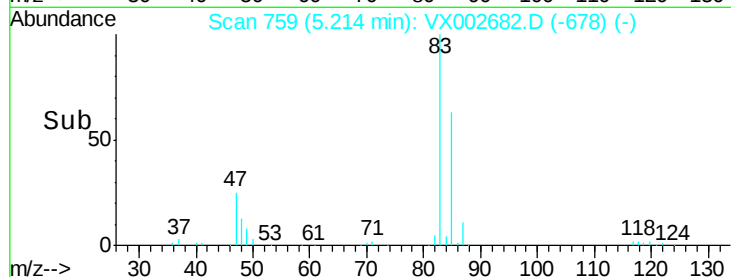
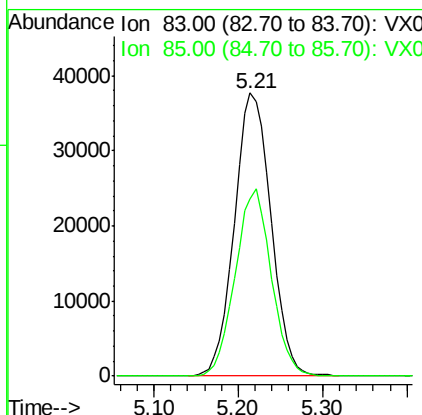
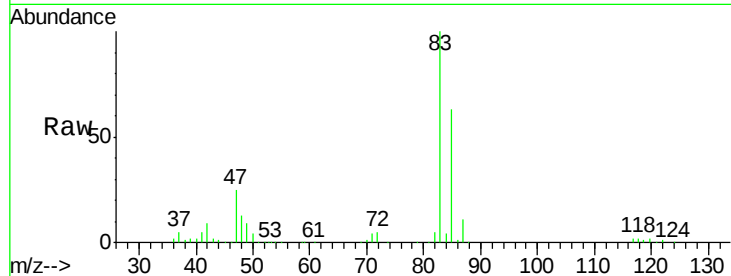
#25
Chloroform
Concen: 22.40 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	83	Resp	110914
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.9	77.9

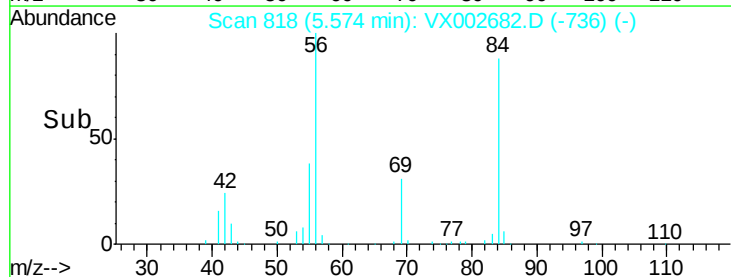
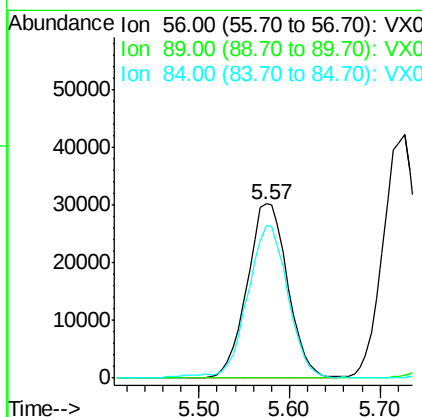
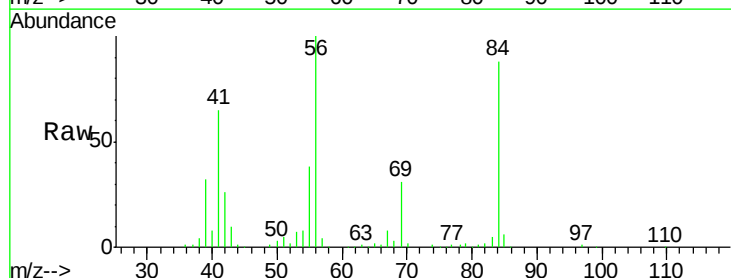
Manual Integrations
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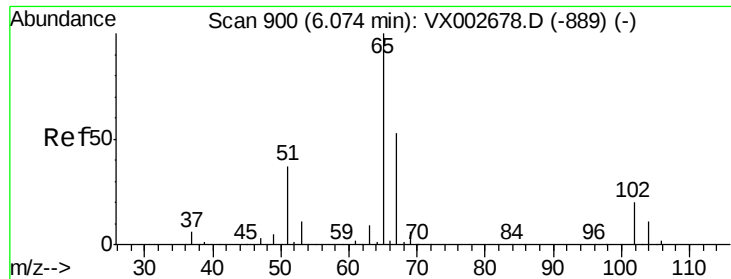
MMDadoda
6/19/2018 1:05:30 PM



#26
Cyclohexane
Concen: 22.35 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	56	Resp	93666
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	86.5	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 30.31 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tot Ion: 65 Resp: 110767

Ion Ratio Lower Upper

65 100

67 51.1 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

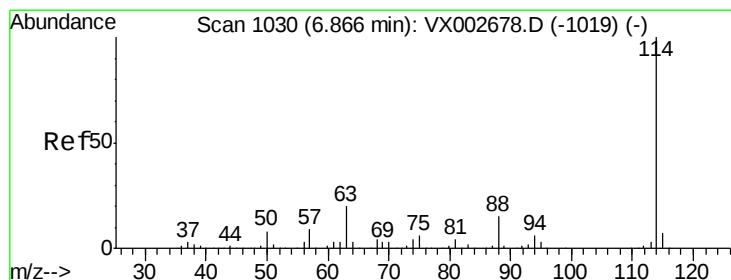
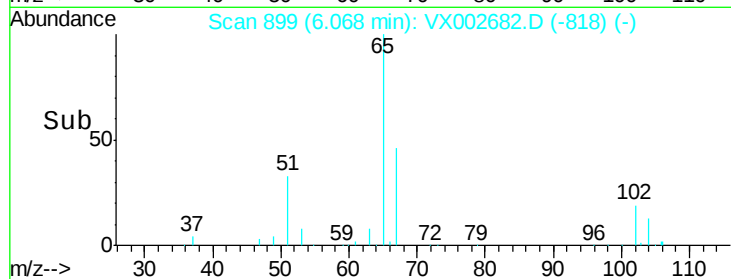
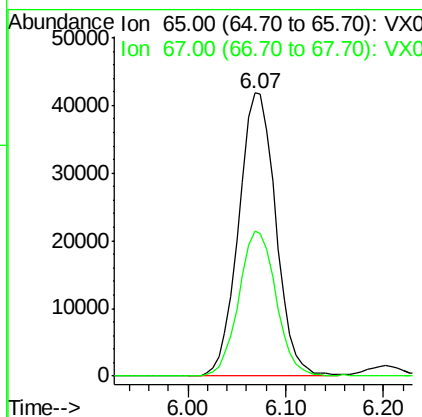
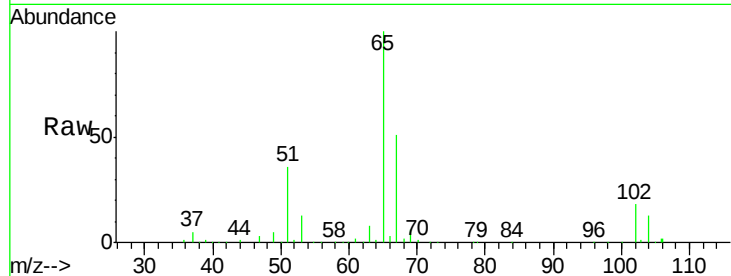
ICVVX061818

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

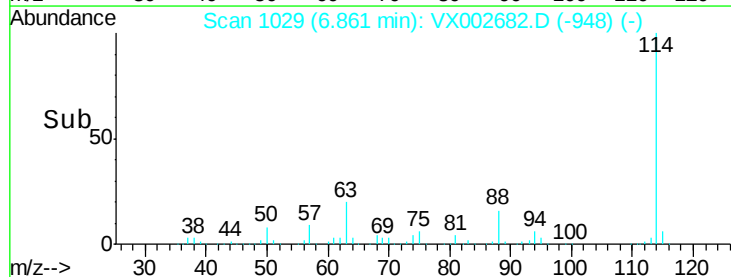
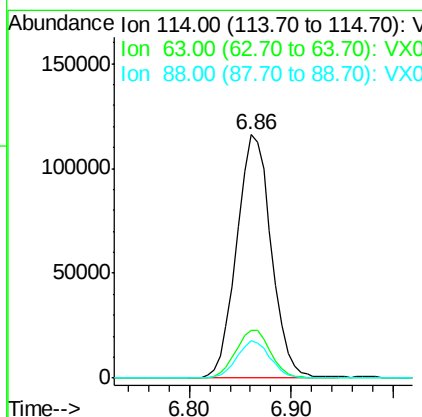
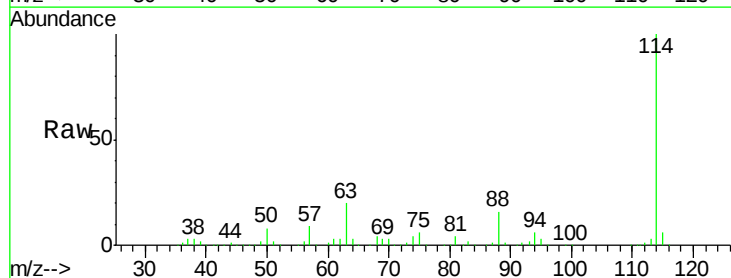
Tgt Ion: 114 Resp: 274625

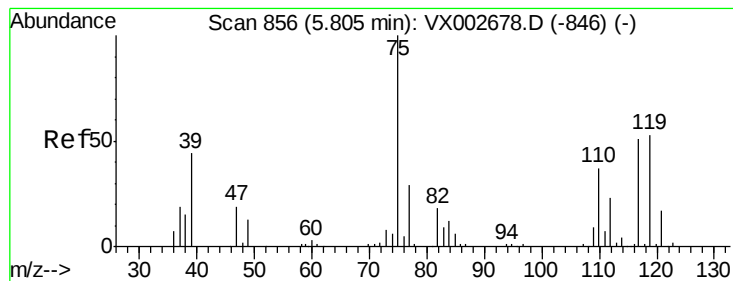
Ion Ratio Lower Upper

114 100

63 20.0 17.1 25.7

88 15.0 12.6 19.0





#29

1,1-Dichloropropene

Concen: 22.33 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 75 Resp: 82832
Ion Ratio Lower Upper

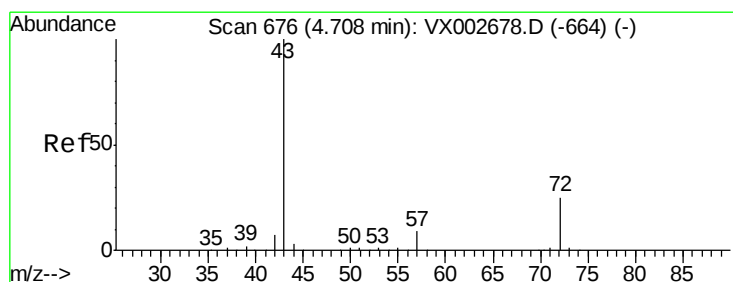
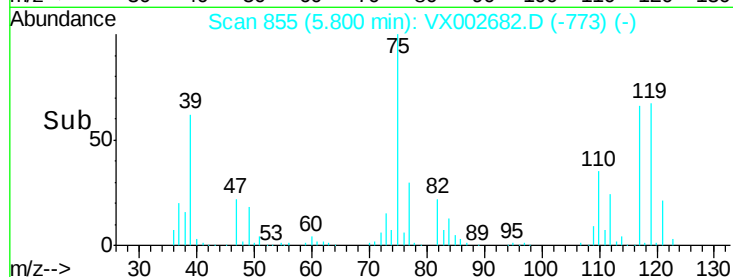
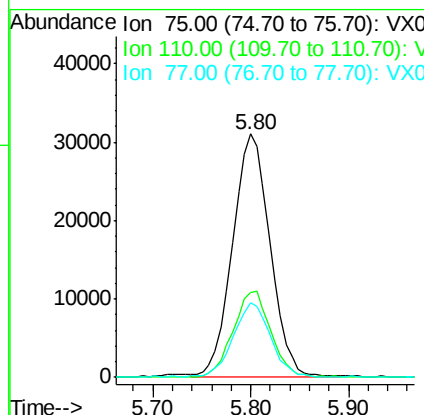
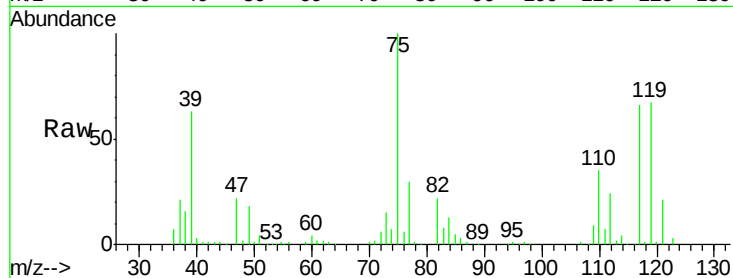
75 100

110 35.6 0.0 71.4

77 30.3 0.0 60.6

Manual Integrations
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#30

2-Butanone

Concen: 110.67 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002682.D

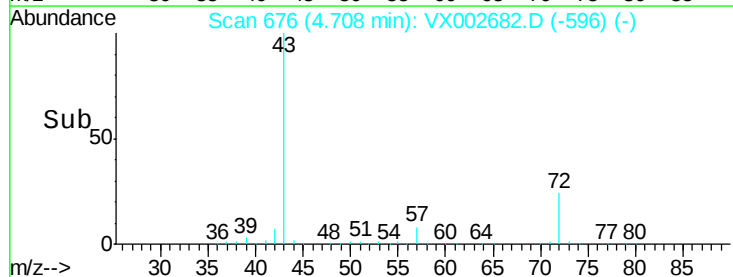
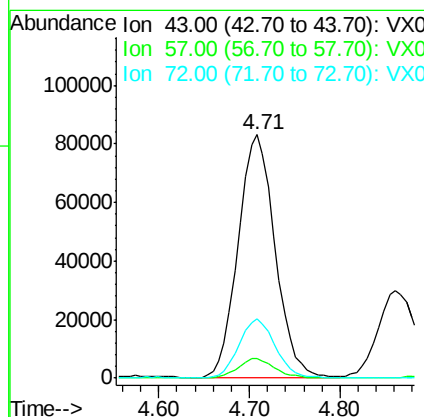
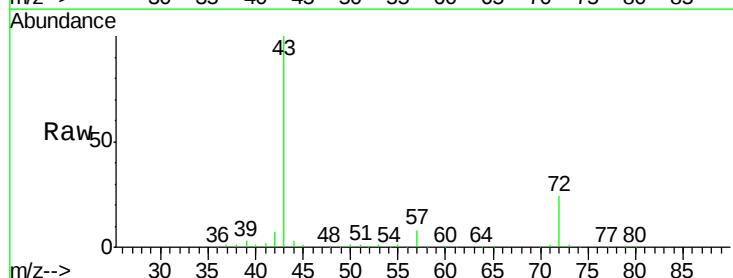
Acq: 18 Jun 2018 15:39

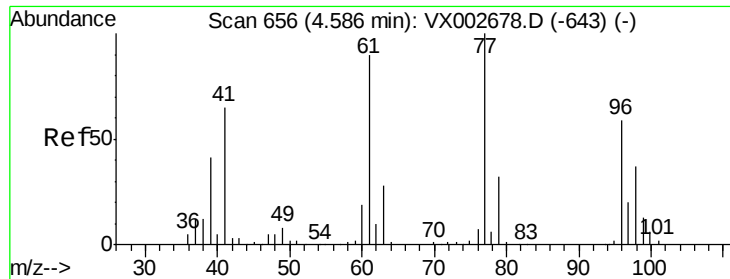
Tgt Ion: 43 Resp: 234862
Ion Ratio Lower Upper

43 100

57 7.9 6.1 9.1

72 23.8 18.1 27.1





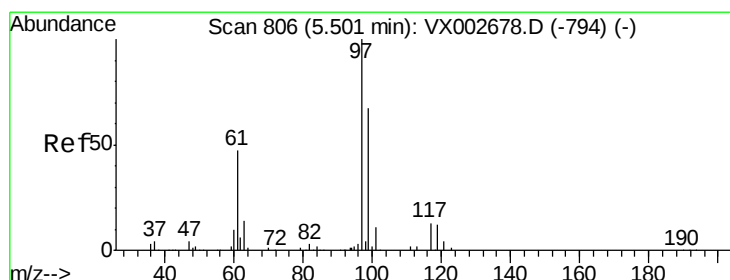
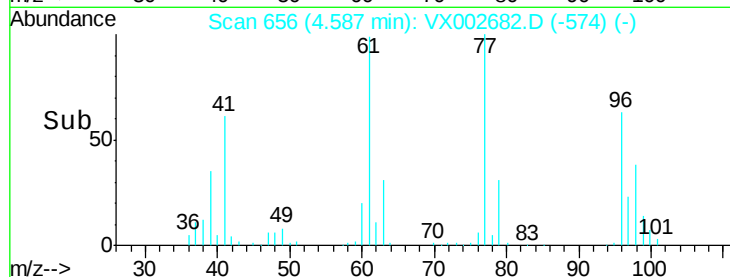
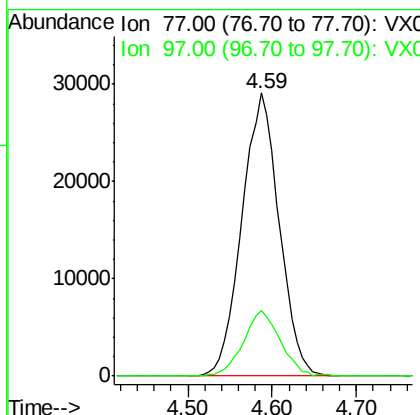
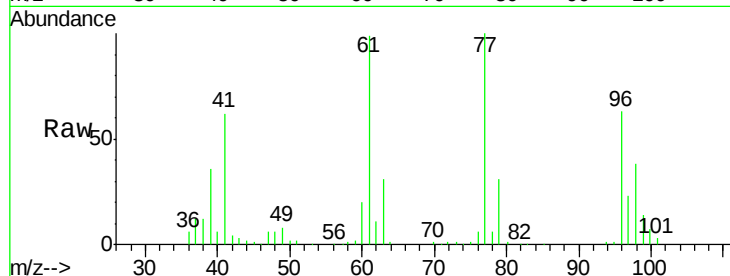
#31
 2,2-Dichloropropane
 Concen: 22.10 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion: 77 Resp: 87613
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.7 28.1

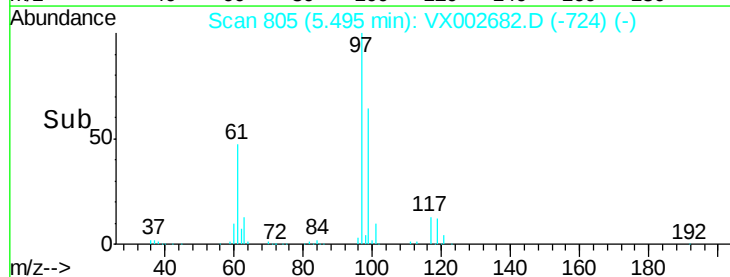
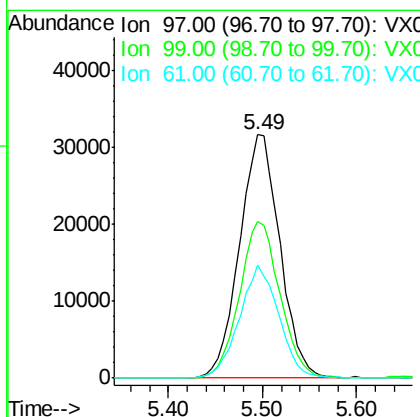
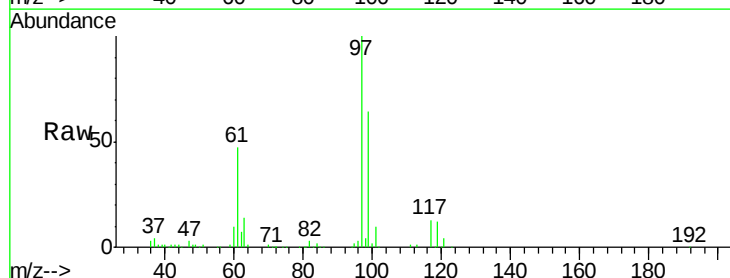
Manual Integrations
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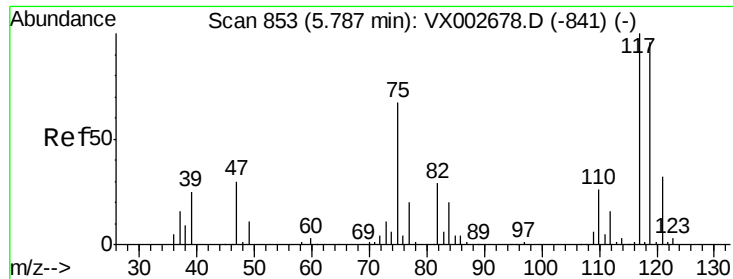
MMDadoda
 6/19/2018 1:05:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 21.20 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion: 97 Resp: 94980
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 45.3 36.4 54.6





#33

Carbon Tetrachloride

Concen: 20.90 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion:117 Resp: 84158

Ion Ratio Lower Upper

117 100

119 94.5 73.3 109.9

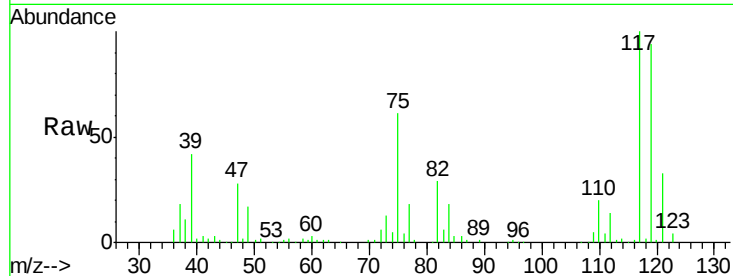
121 32.6 23.6 35.4

Manual Integrations

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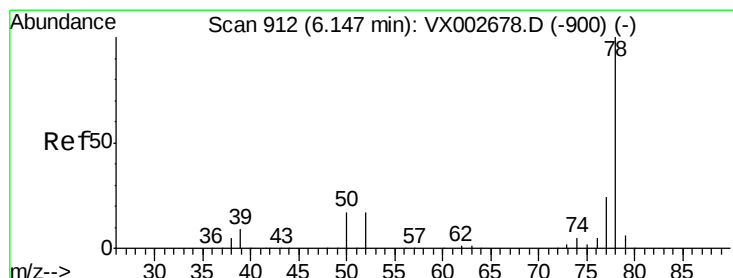
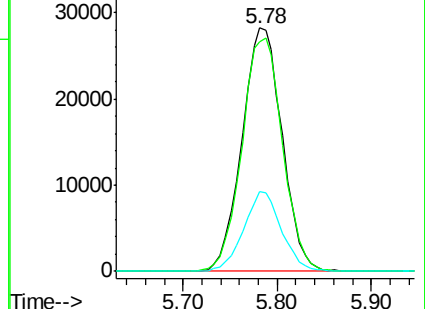
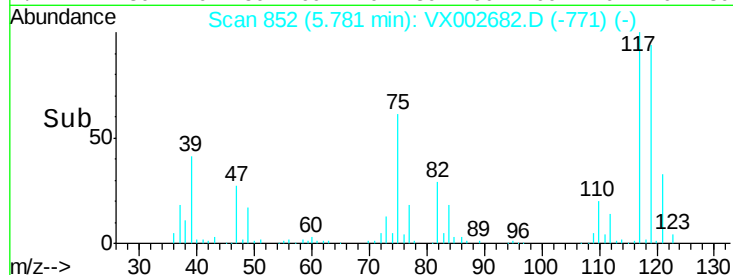
6/19/2018 1:05:30 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.32 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

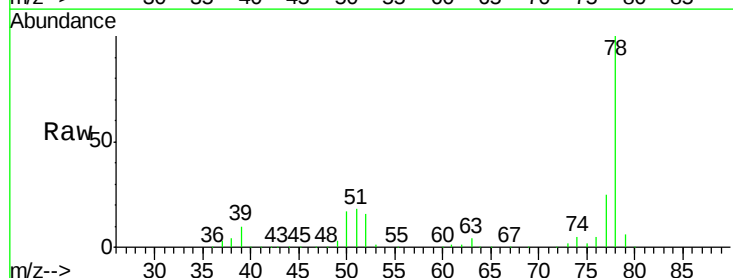
Tgt Ion: 78 Resp: 234173

Ion Ratio Lower Upper

78 100

77 24.6 19.4 29.0

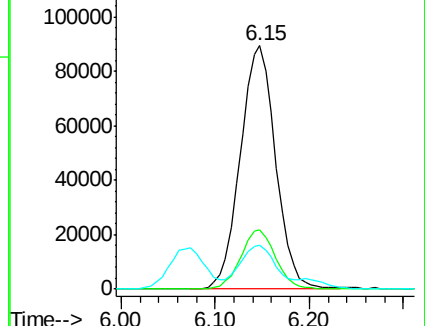
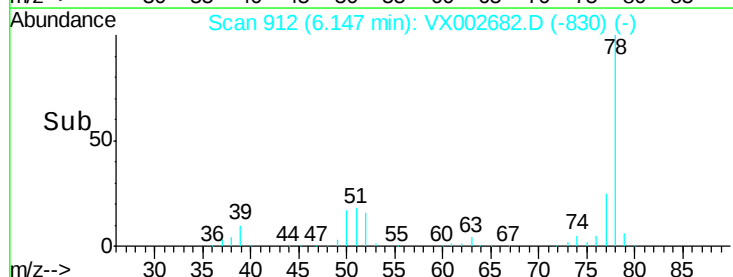
51 17.3 13.8 20.6

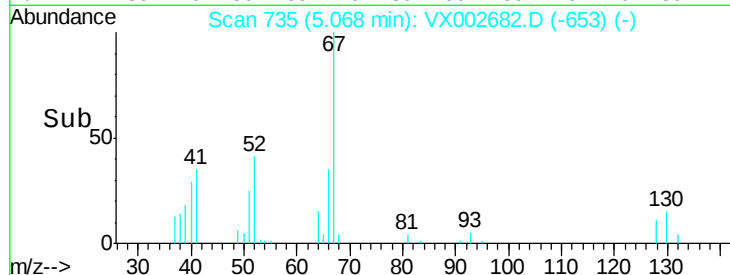
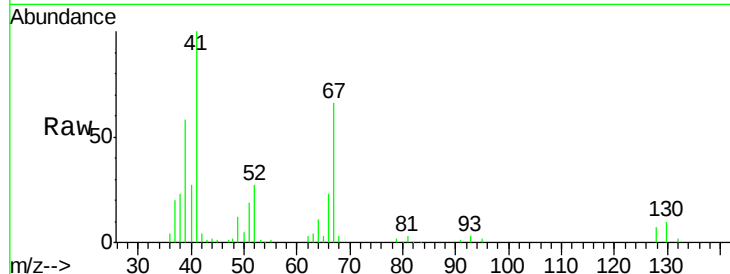
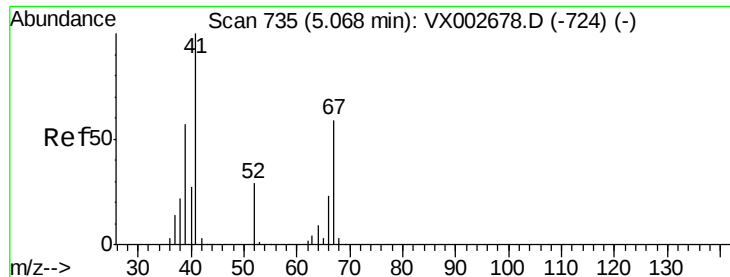


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#35

Methacrylonitrile

Concen: 22.03 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX002682.D

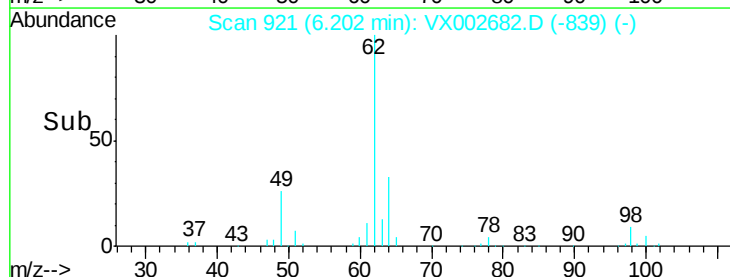
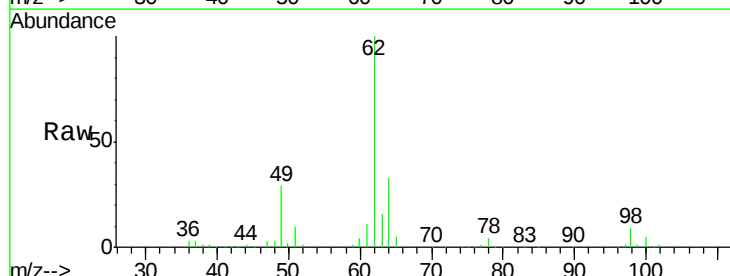
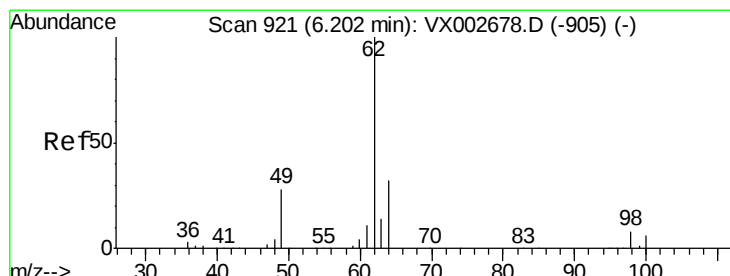
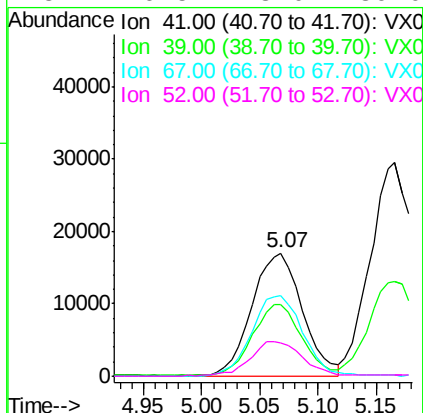
Acq: 18 Jun 2018 15:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		50895		
39	57.5	28.8	86.5		
67	66.3	30.4	91.2		
52	26.5	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

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6/19/2018 1:05:30 PM



#36

1,2-Dichloroethane

Concen: 21.69 ug/l

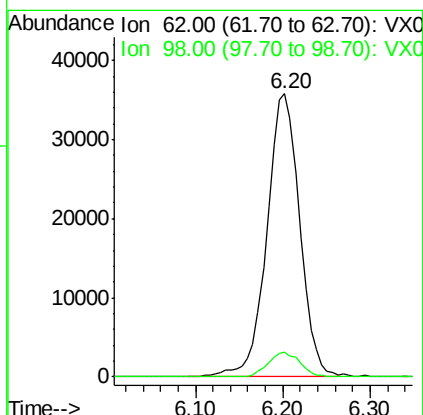
RT: 6.20 min Scan# 921

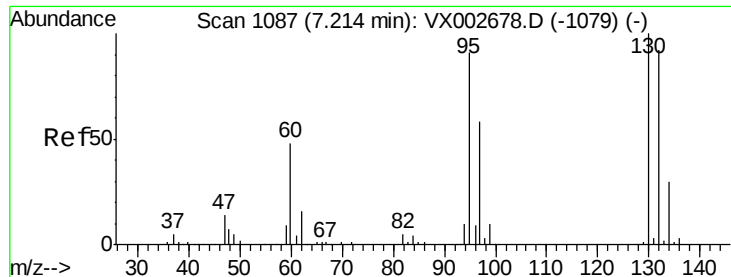
Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		93549		
98	8.4	6.5	9.7		





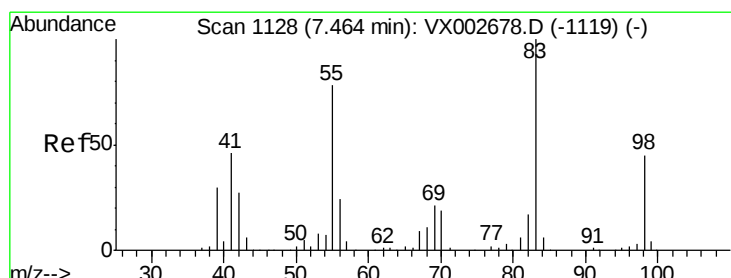
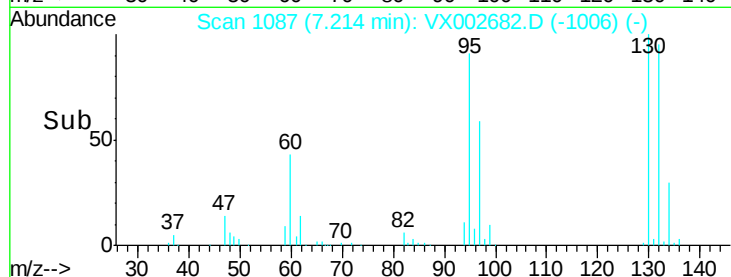
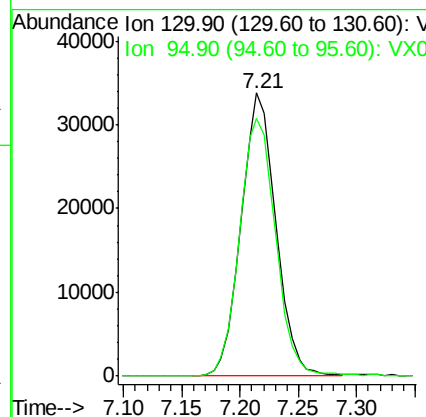
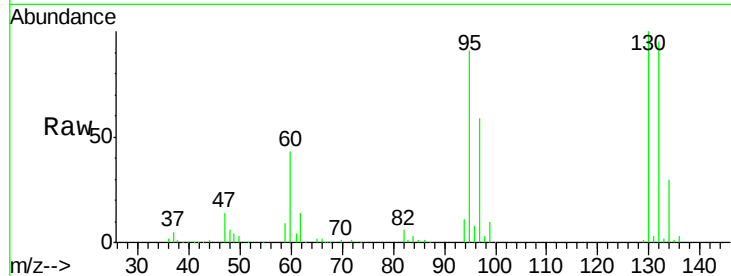
#37
 Trichloroethene
 Concen: 21.91 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion:130 Resp: 70483
 Ion Ratio Lower Upper
 130 100
 95 90.9 81.5 122.3

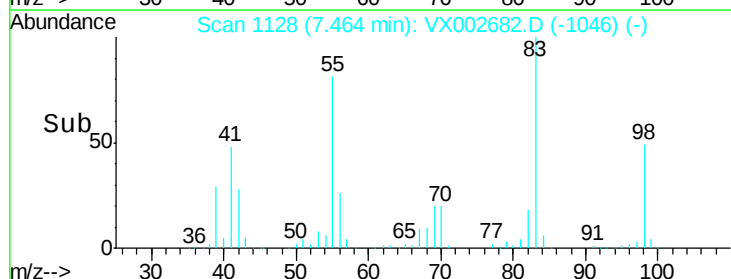
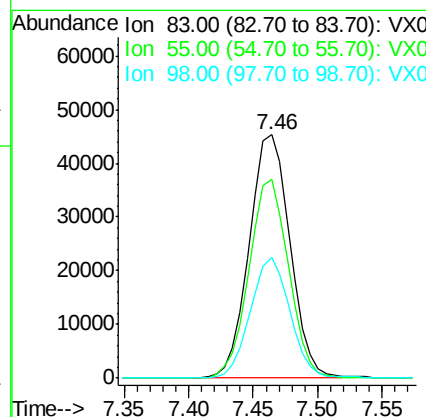
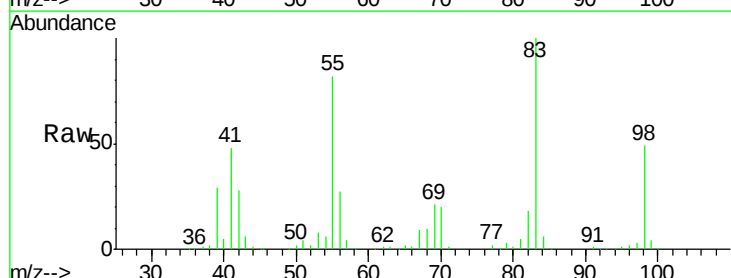
Manual Integrations
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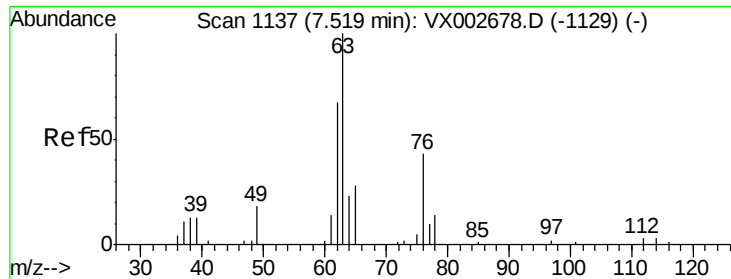
MMDadoda
 6/19/2018 1:05:30 PM



#38
 Methylcyclohexane
 Concen: 22.02 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion: 83 Resp: 99341
 Ion Ratio Lower Upper
 83 100
 55 78.5 40.6 121.8
 98 47.8 23.5 70.5





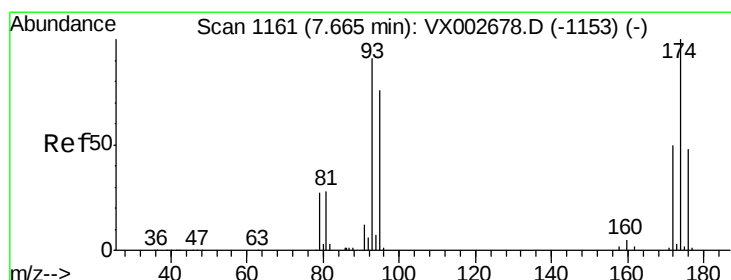
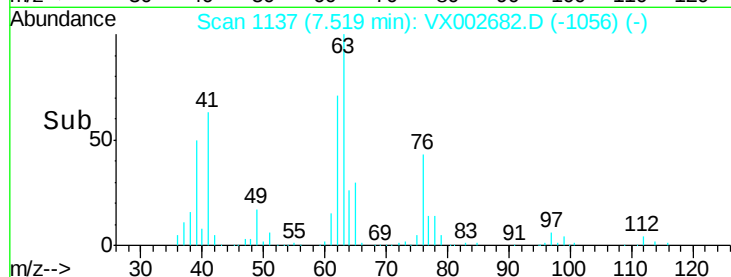
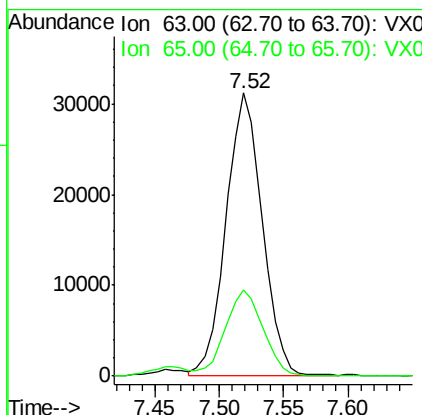
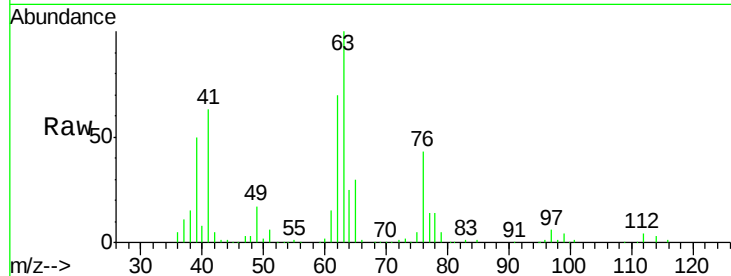
#39
1,2-Dichloropropane
Concen: 21.48 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion: 63 Resp: 61551
Ion Ratio Lower Upper
63 100
65 30.3 23.3 34.9

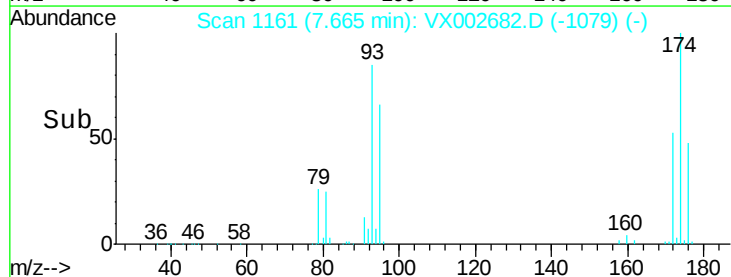
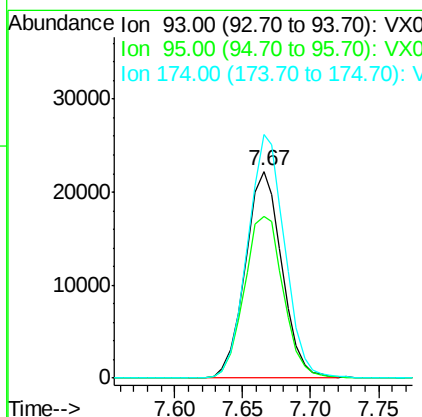
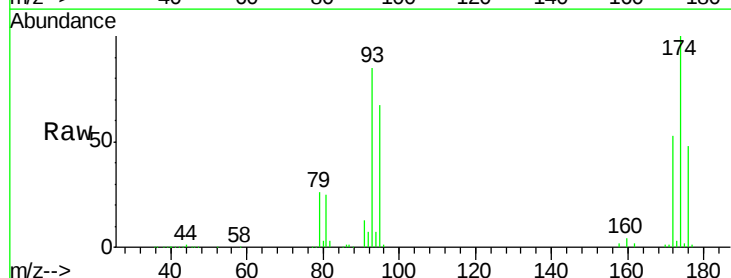
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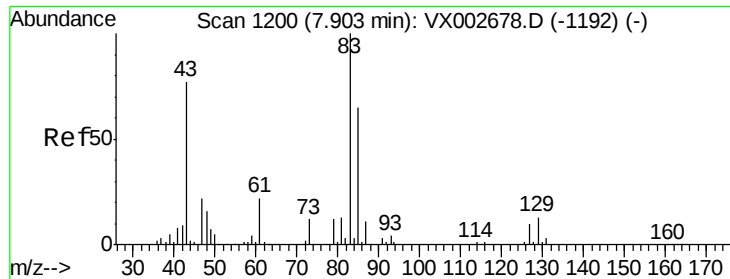
MMDadoda
6/19/2018 1:05:30 PM



#40
Dibromomethane
Concen: 21.08 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion: 93 Resp: 41958
Ion Ratio Lower Upper
93 100
95 83.3 0.0 162.6
174 119.4 0.0 229.4





#41

Bromodichloromethane

Concen: 20.92 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

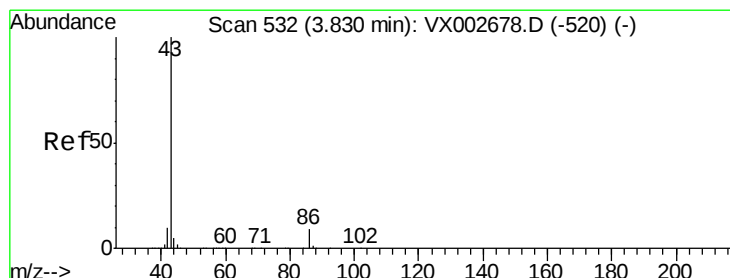
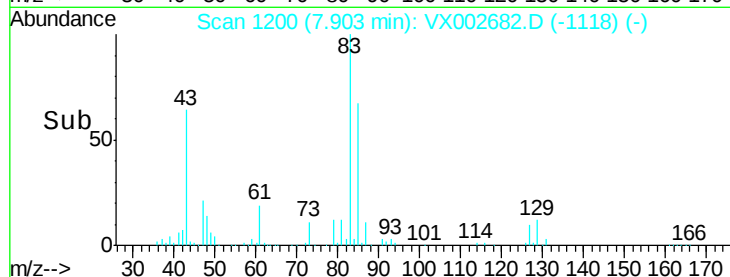
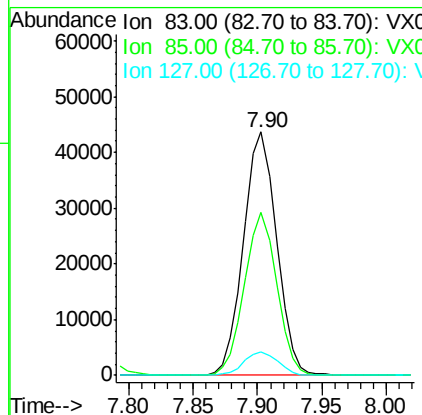
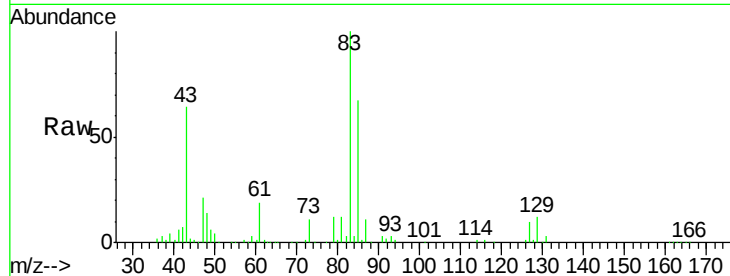
ClientSampleId :

ICVVX061818

Tot Ion:	83	Resp:	78213
Ion Ratio	Lower	Upper	
83	100		
85	66.8	49.8	74.8
127	9.9	7.3	10.9

Manual Integrations
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6/19/2018 1:05:30 PM



#42

Vinyl Acetate

Concen: 115.61 ug/l

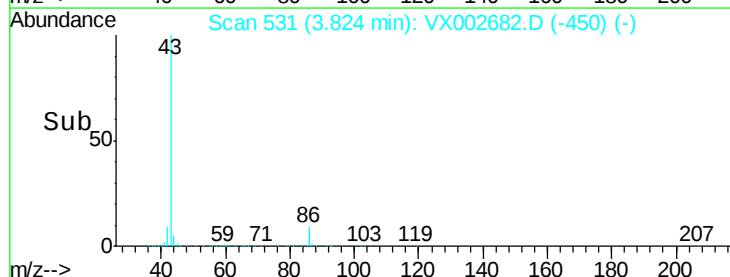
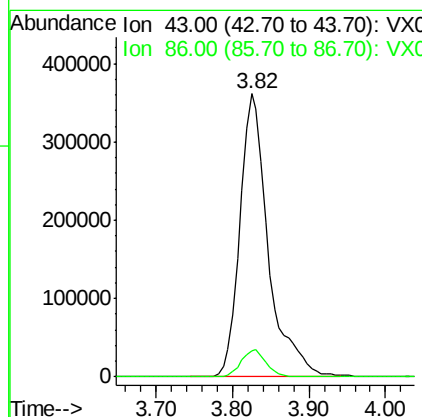
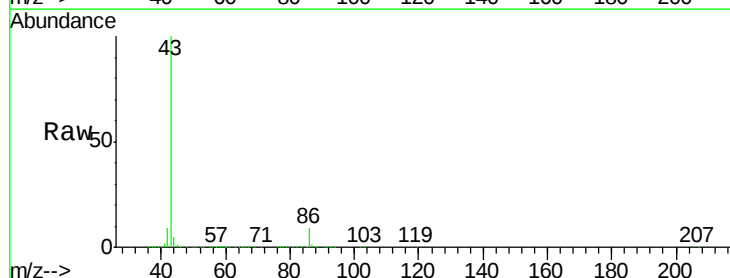
RT: 3.82 min Scan# 531

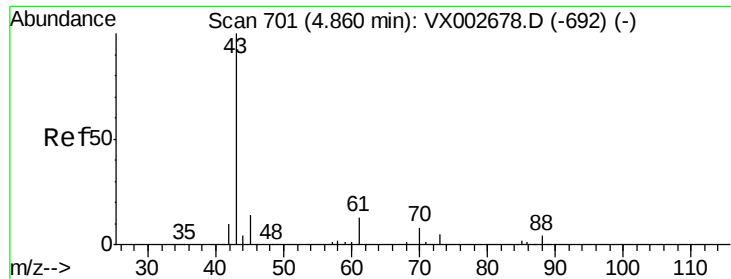
Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion:	43	Resp:	930469
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.7	10.1





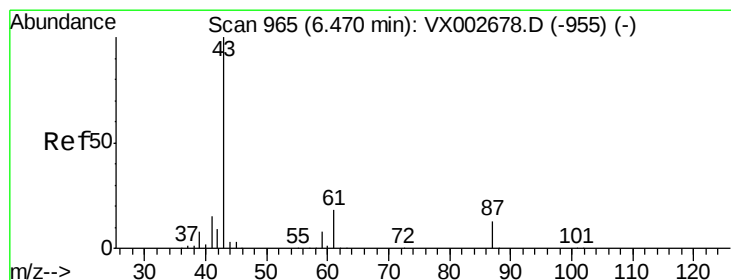
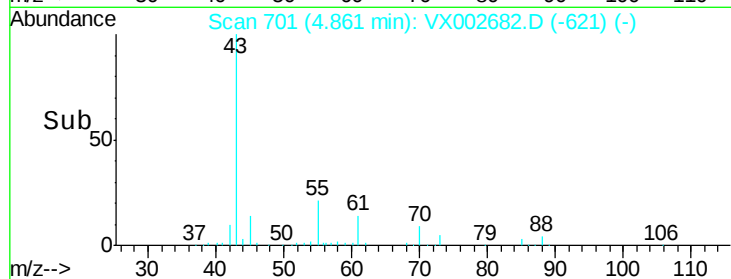
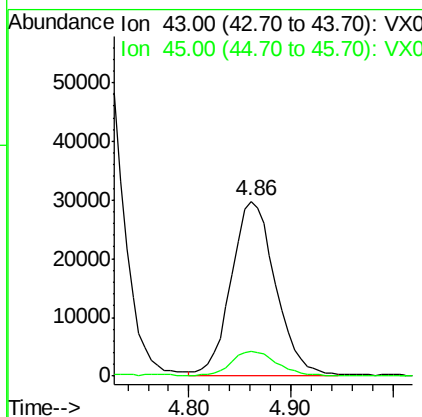
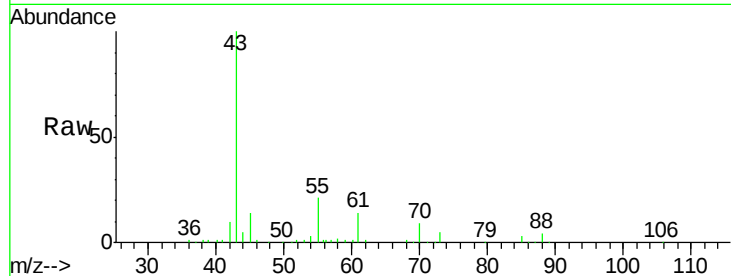
#43
Ethyl Acetate
Concen: 22.00 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampled :
ICVVX061818

Tot Ion: 43 Resp: 89290
Ion Ratio Lower Upper
43 100
45 15.2 11.0 16.4

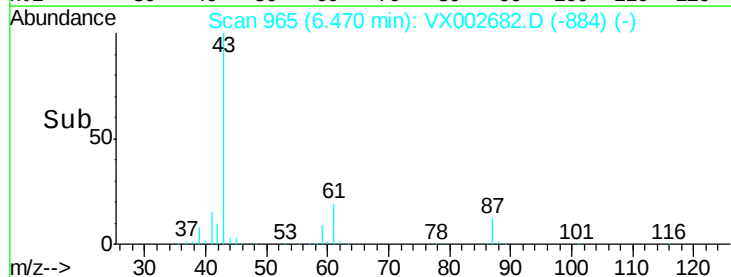
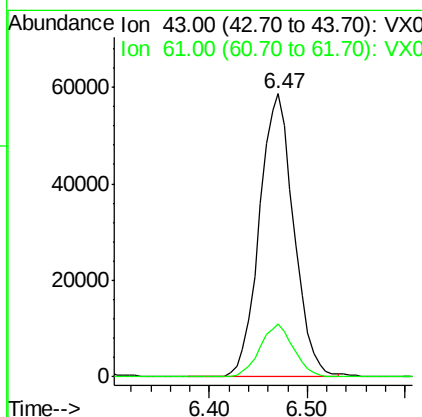
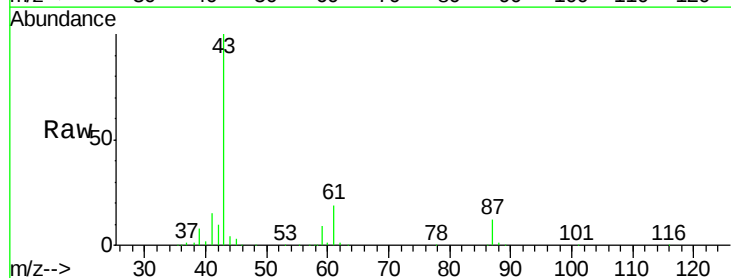
Manual Integrations
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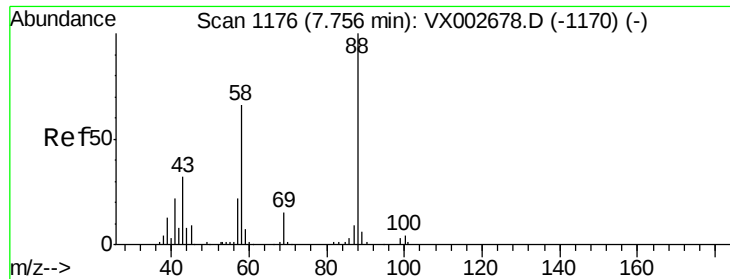
MMDadoda
6/19/2018 1:05:30 PM



#44
Isopropyl Acetate
Concen: 21.11 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion: 43 Resp: 143553
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7





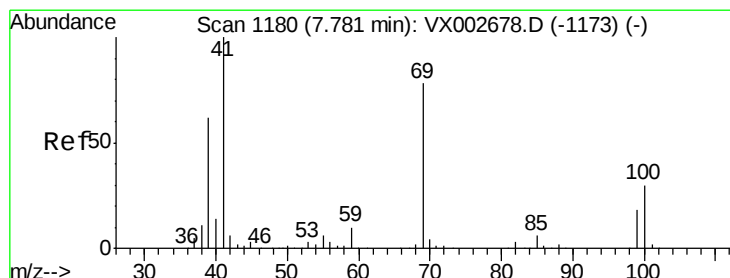
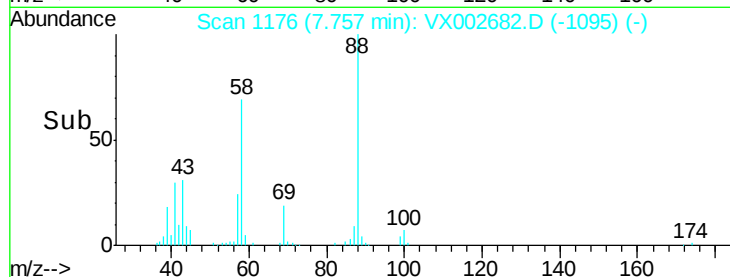
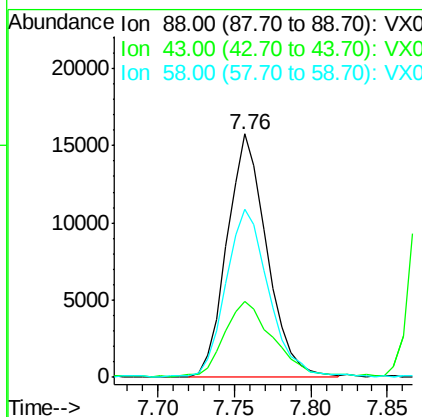
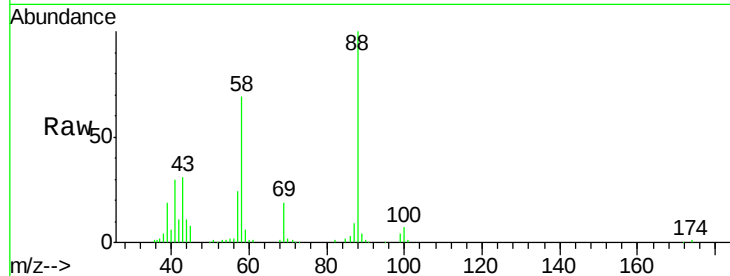
#45
 1,4-Dioxane
 Concen: 428.03 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	43.2	64.8#
58	73.7	60.2	90.2

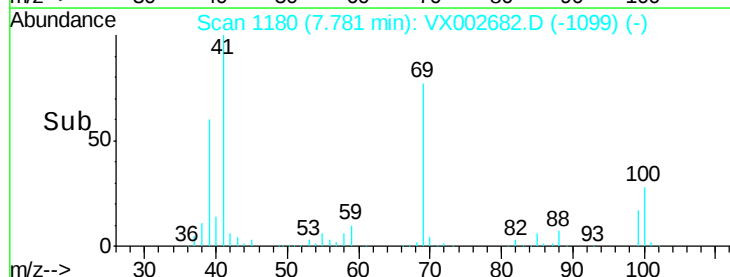
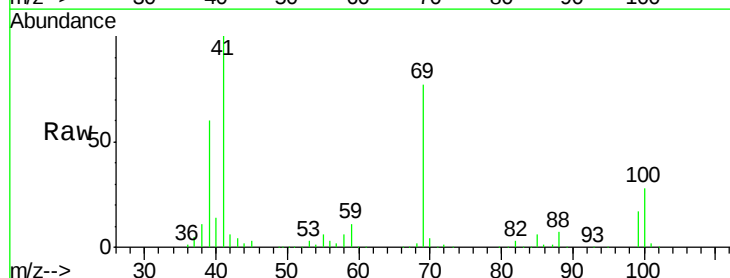
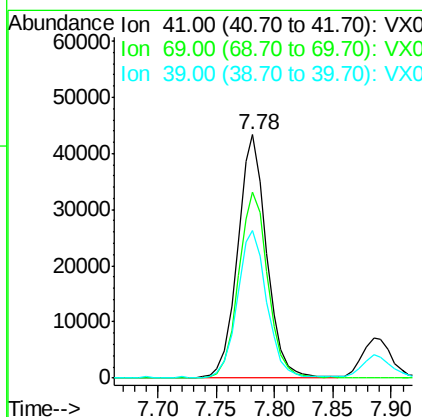
Manual Integrations
 APPROVED

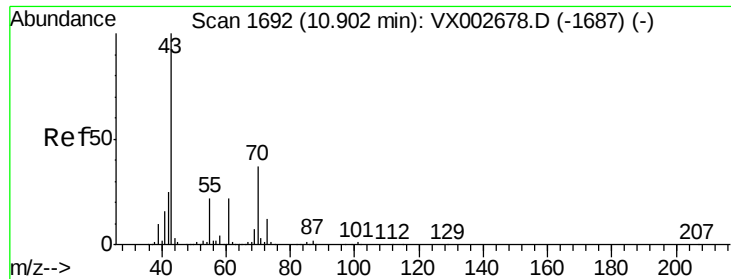
MMDadoda
 6/19/2018 1:05:30 PM



#46
 Methyl methacrylate
 Concen: 21.42 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.8	37.0	110.9
39	60.3	29.6	88.9





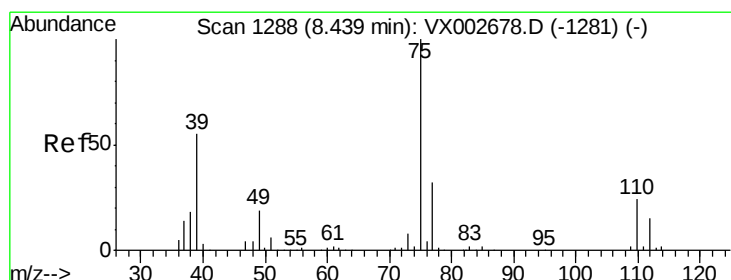
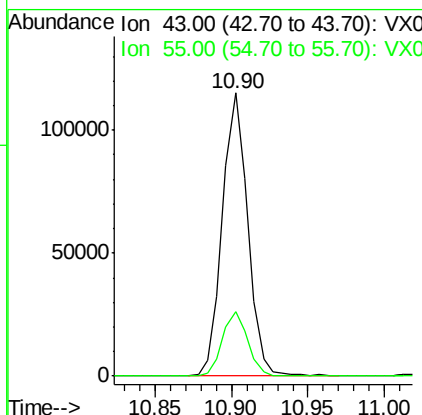
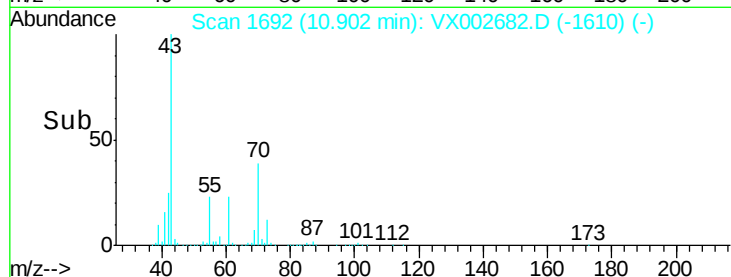
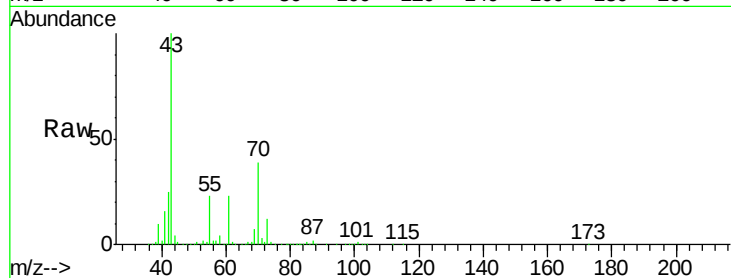
#47
 n-amvl Acetate
 Concen: 20.64 ug/l
 RT: 10.90 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion: 43 Resp: 132476
 Ion Ratio Lower Upper
 43 100
 55 23.0 0.1 0.1#

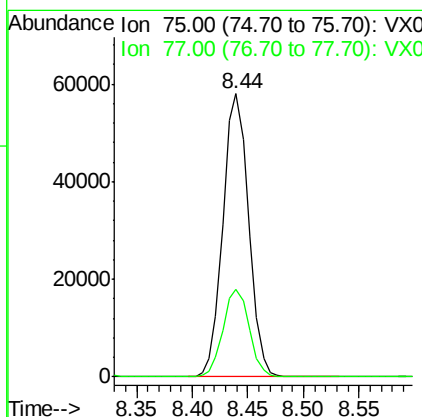
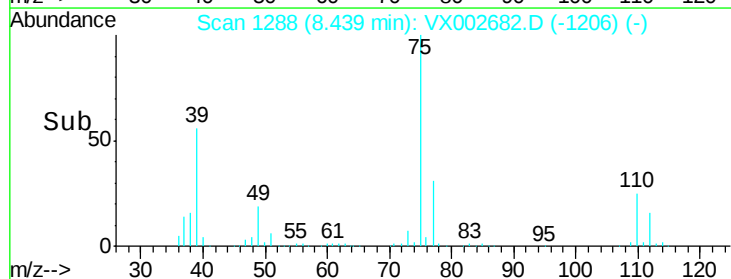
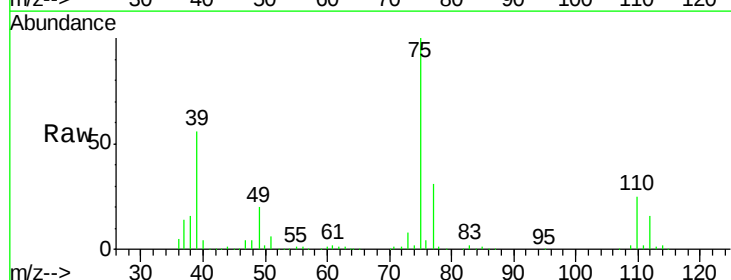
Manual Integrations
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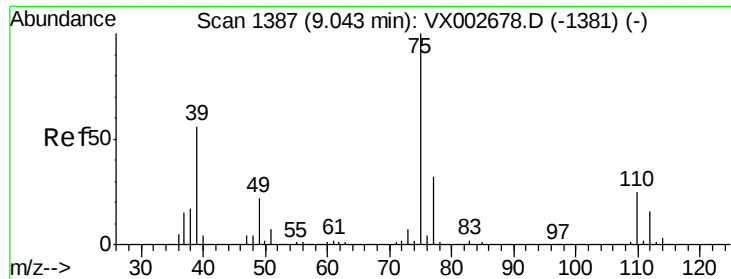
MMDadoda
 6/19/2018 1:05:30 PM



#48
 t-1,3-Dichloropropene
 Concen: 21.19 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion: 75 Resp: 93023
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.6 38.4





#49

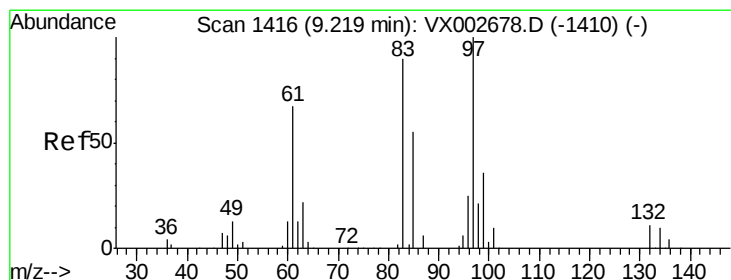
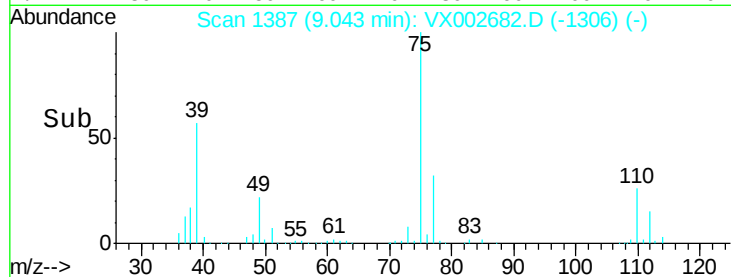
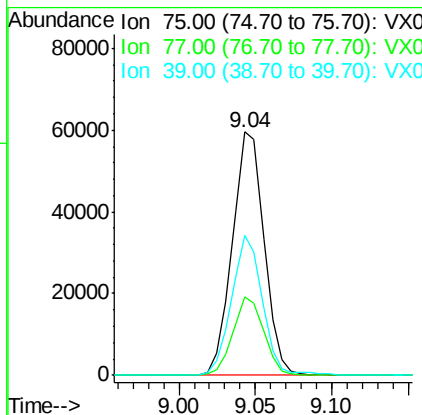
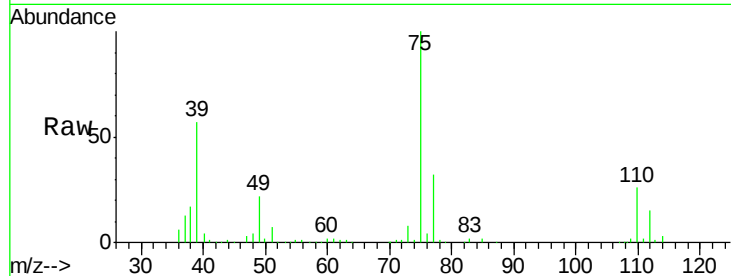
cis-1,3-Dichloropropene
Concen: 20.91 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	57.1	42.3	63.5

Manual Integrations
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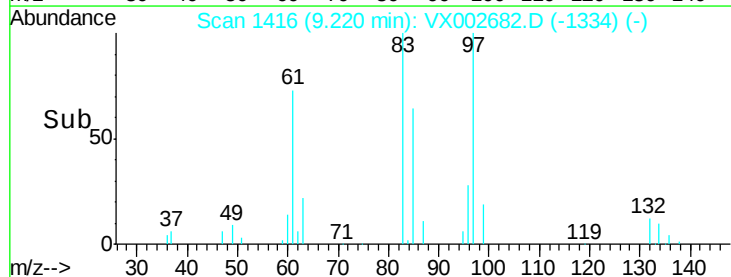
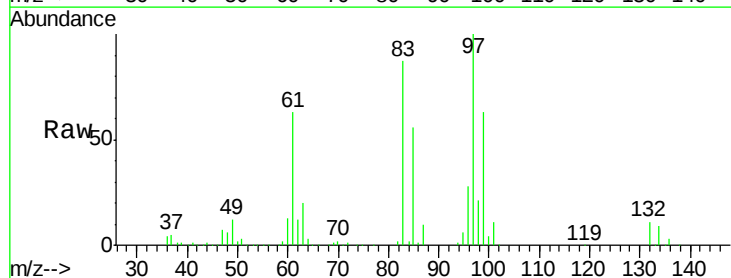
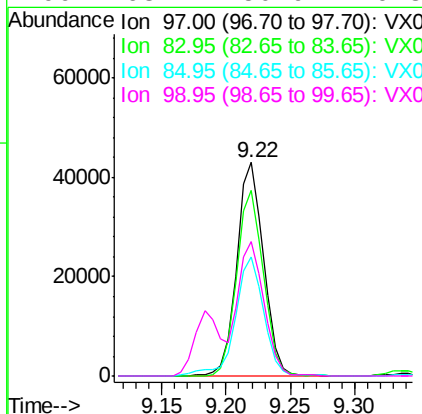
MMDadoda
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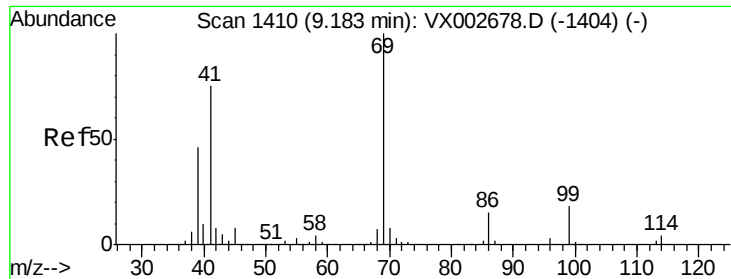


#50

1,1,2-Trichloroethane
Concen: 21.18 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.8	106.2
85	55.8	43.5	65.3
99	63.1	50.9	76.3





#51

Ethyl methacrylate

Concen: 20.97 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

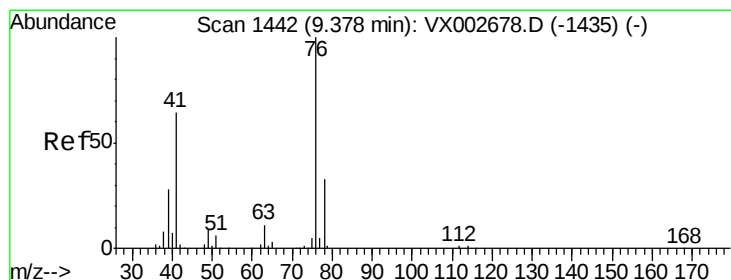
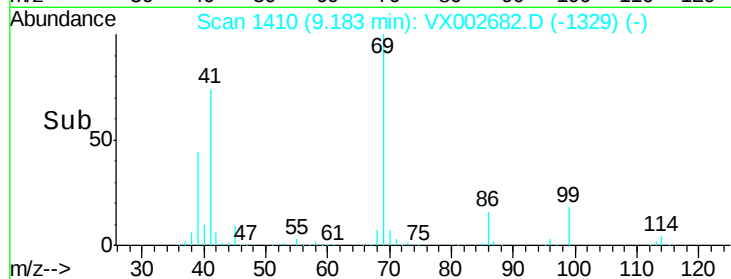
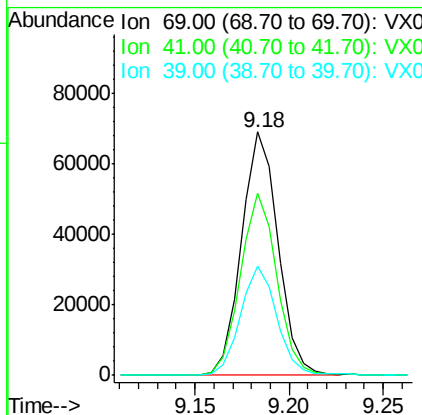
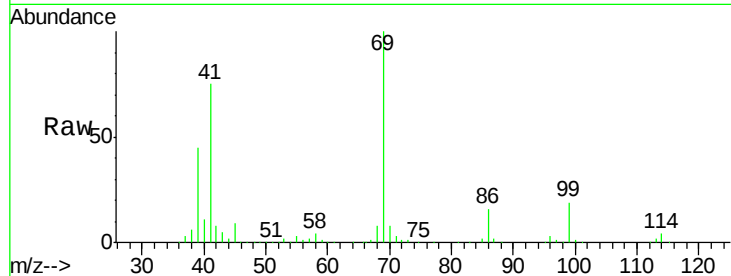
ClientSampleId :

ICVVX061818

Tot Ion:	69	Resp:	92922
Ion	Ratio	Lower	Upper
69	100		
41	74.9	39.1	117.3
39	44.6	21.7	65.1

Manual Integrations
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6/19/2018 1:05:30 PM



#52

1,3-Dichloropropane

Concen: 21.62 ug/l

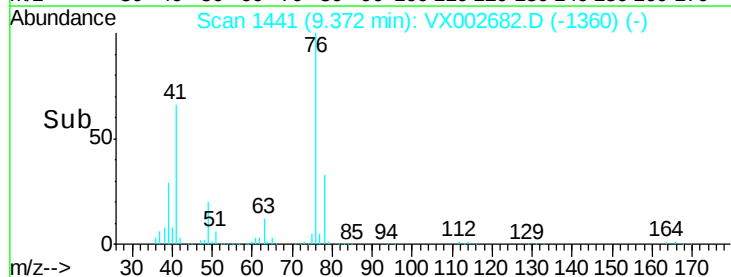
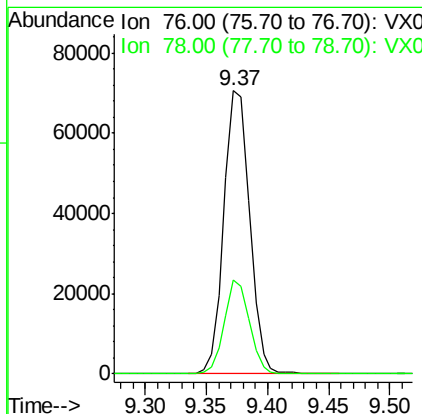
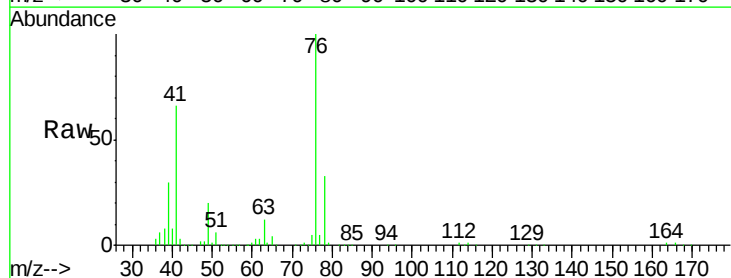
RT: 9.37 min Scan# 1441

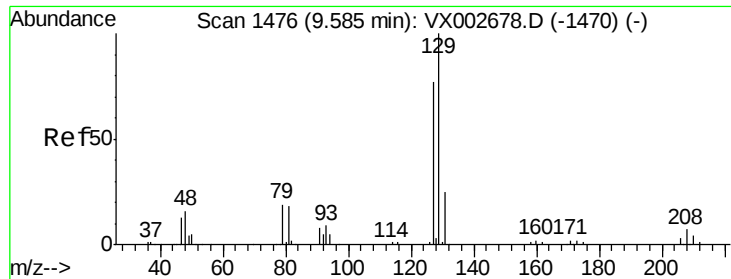
Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion:	76	Resp:	103699
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





#53

Dibromochloromethane

Concen: 20.30 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion:129 Resp: 63273

Ion Ratio Lower Upper

129 100

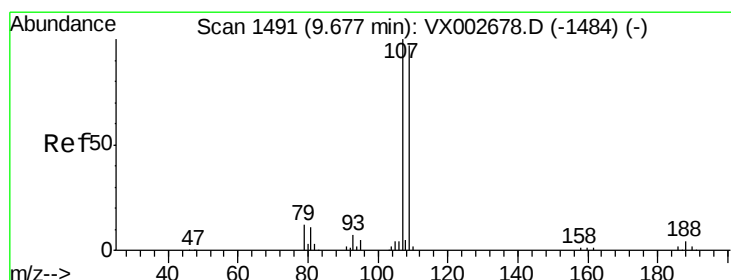
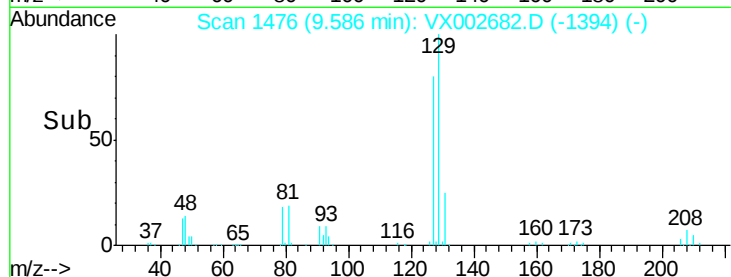
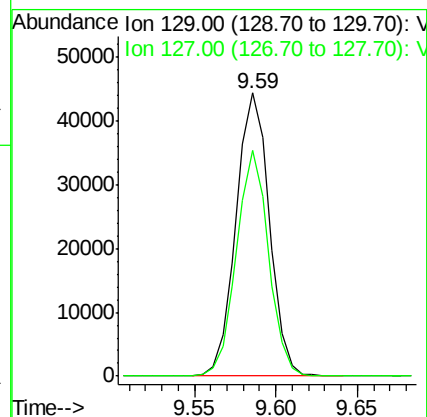
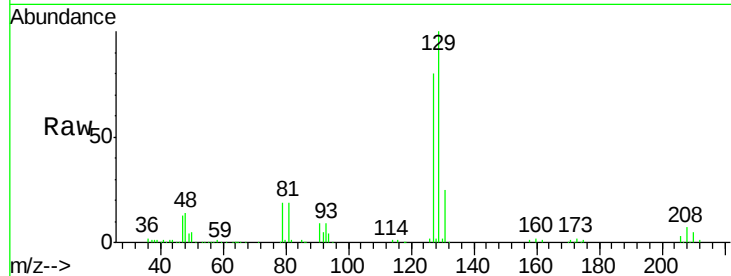
127 76.8 38.5 115.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 21.16 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002682.D

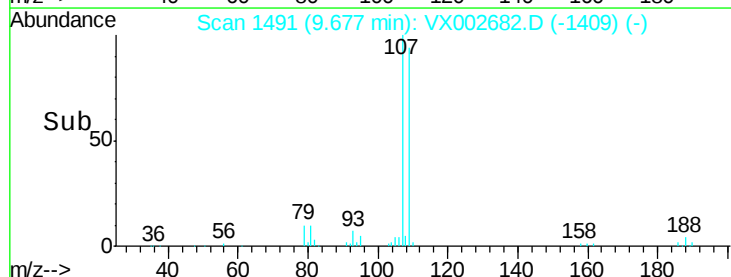
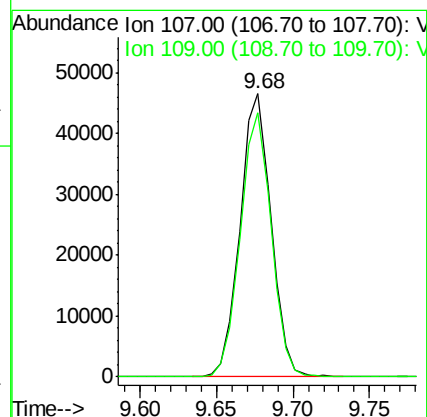
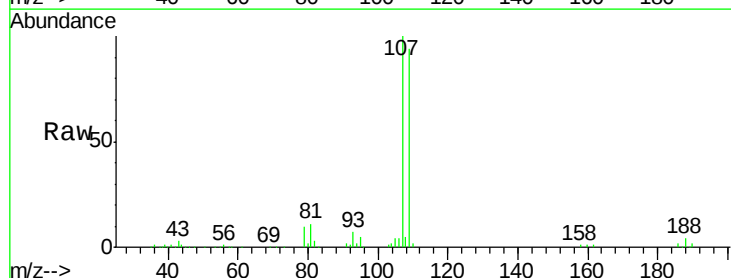
Acq: 18 Jun 2018 15:39

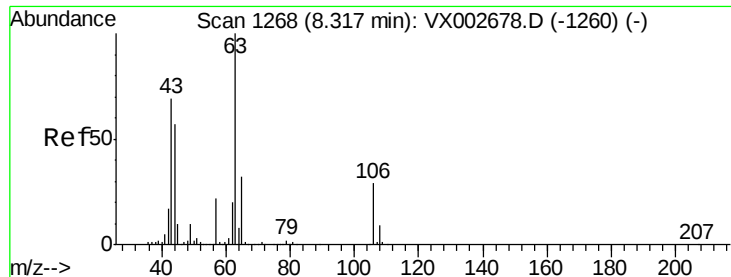
Tgt Ion:107 Resp: 65466

Ion Ratio Lower Upper

107 100

109 93.3 75.5 113.3





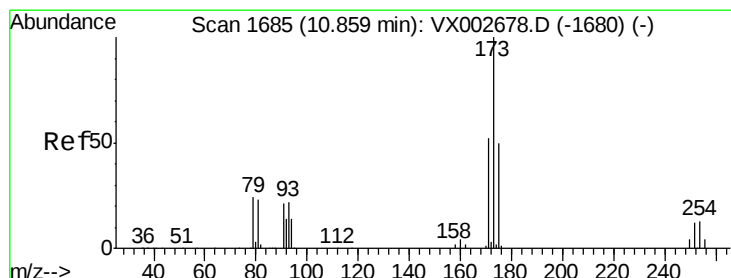
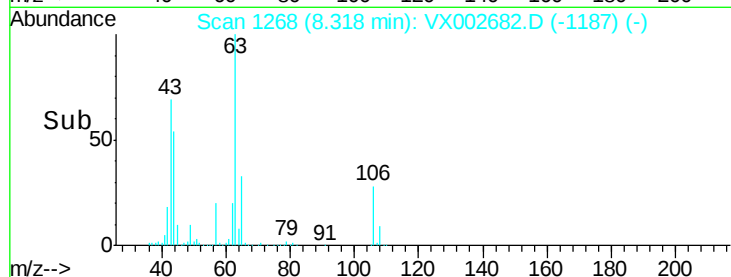
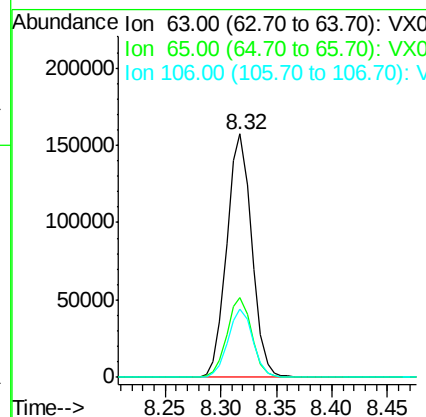
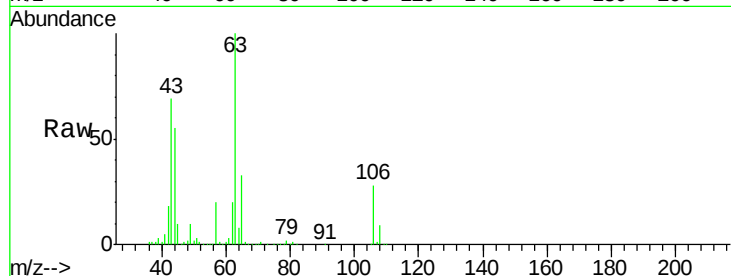
#55
2-Chloroethyl vinyl ether
Concen: 116.41 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	27.8	21.6	32.4

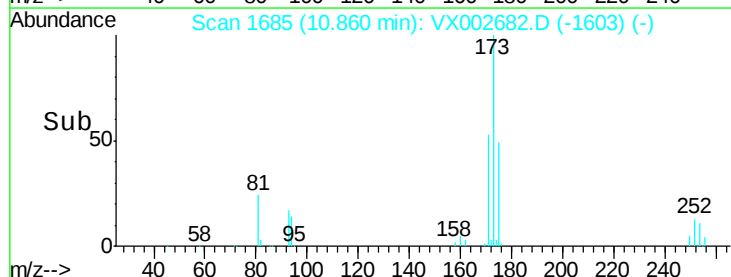
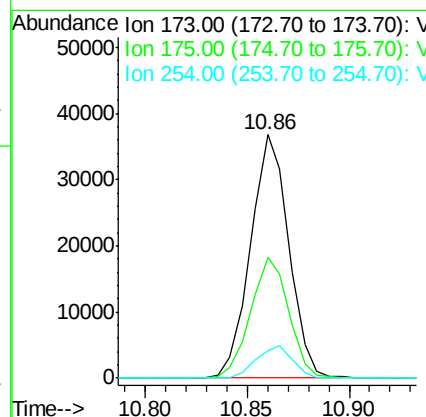
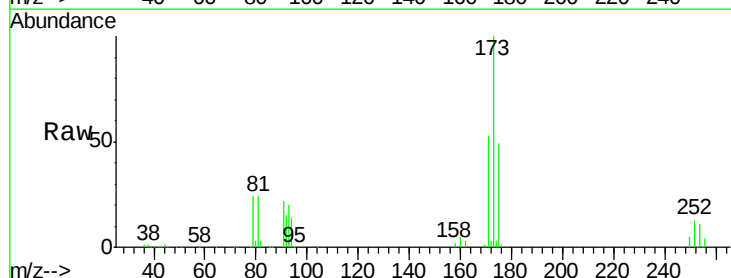
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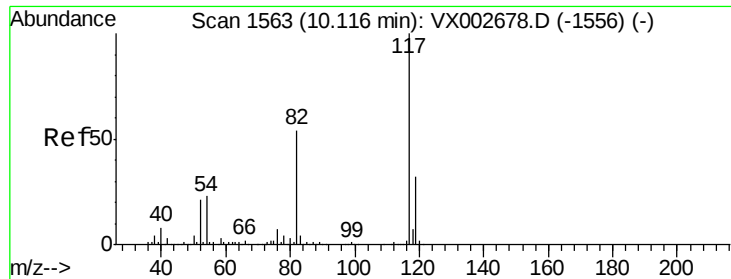
MMDadoda
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#56
Bromoform
Concen: 19.29 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.0	58.4
254	12.5	9.6	14.4





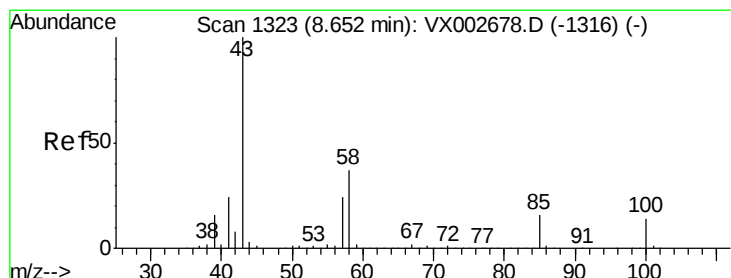
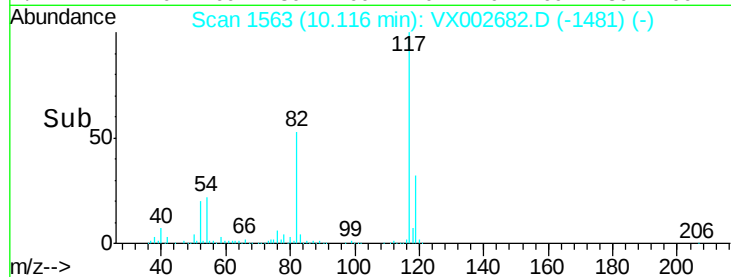
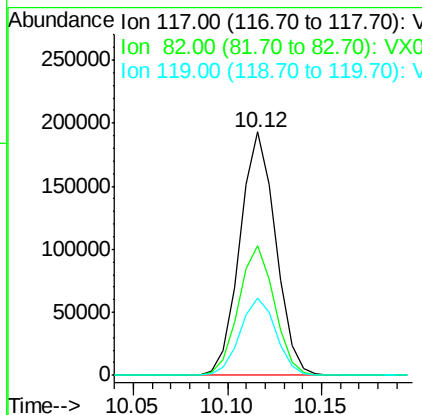
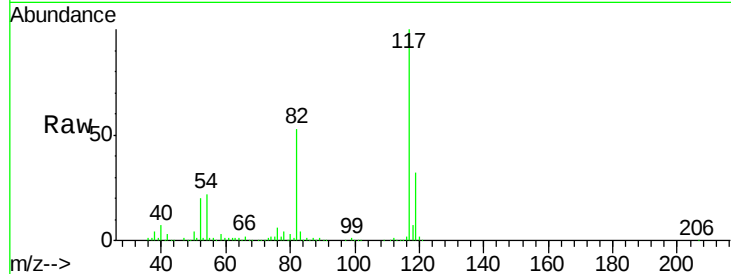
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.3	44.3	66.5
119	32.0	25.7	38.5

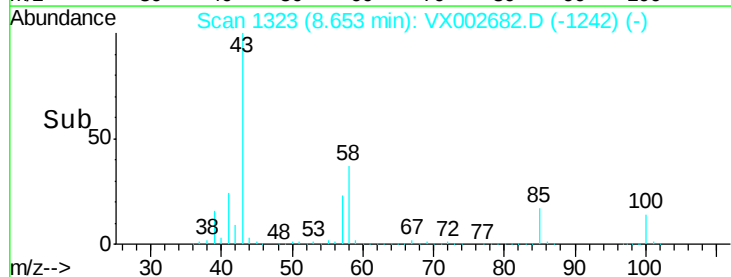
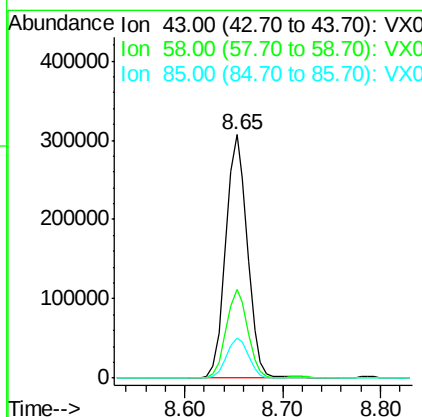
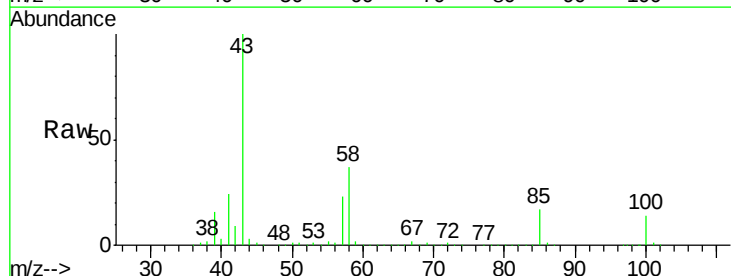
Manual Integrations
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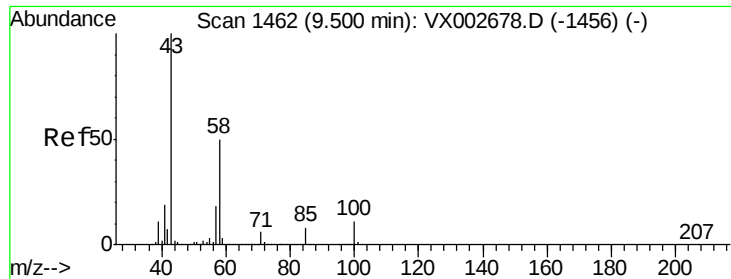
MMDadoda
6/19/2018 1:05:30 PM



#58
4-Methyl-2-Pentanone
Concen: 109.60 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	36.2	28.2	42.4
85	16.7	12.4	18.6





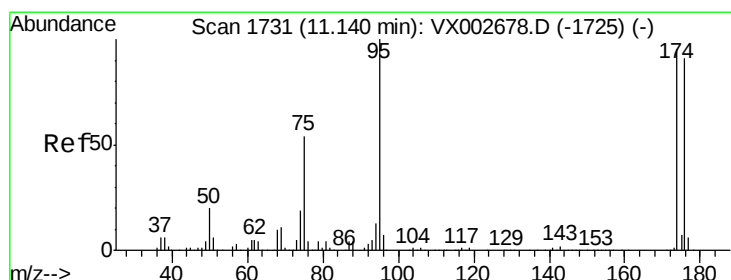
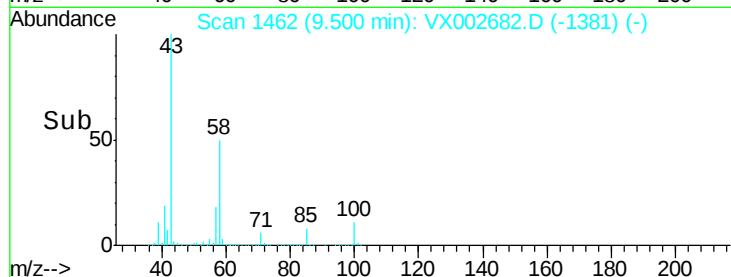
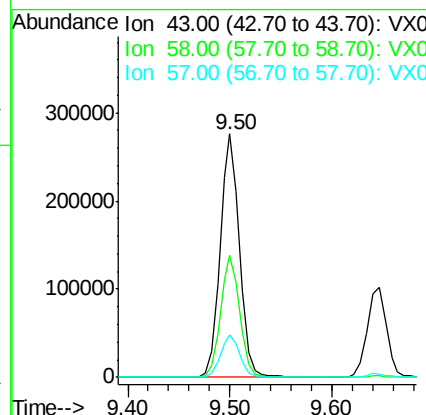
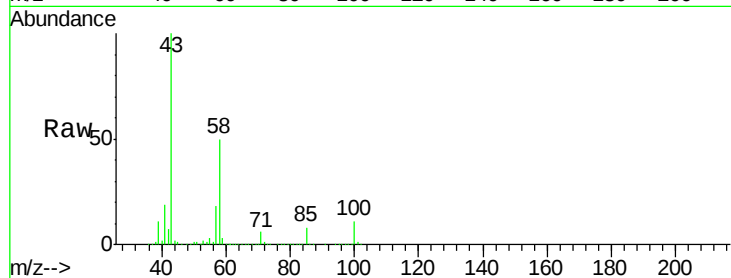
#59
2-Hexanone
Concen: 110.94 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
43	100	366115		
58	49.8		39.6	59.4
57	17.4		14.1	21.1

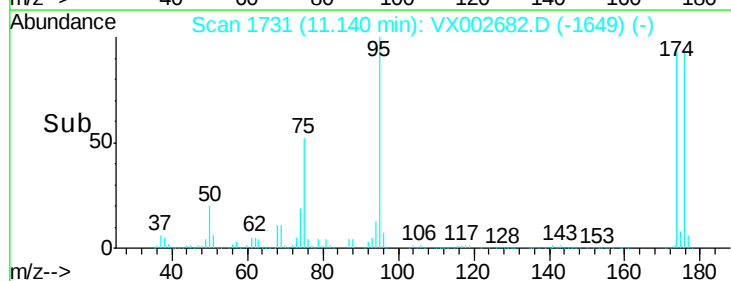
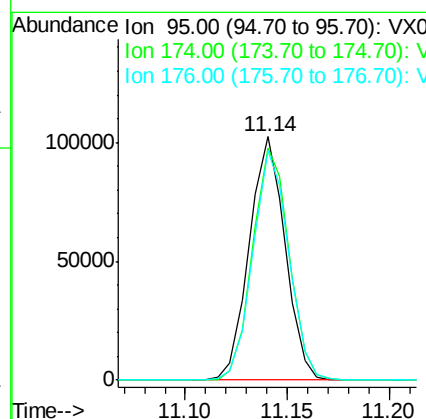
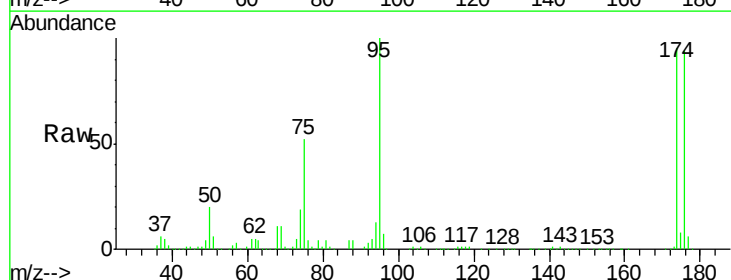
Manual Integrations
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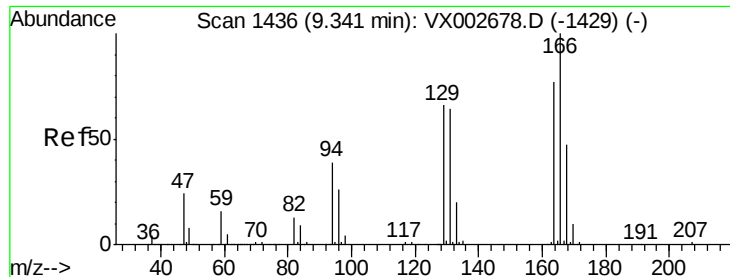
MMDadoda
6/19/2018 1:05:30 PM



#60
4-Bromofluorobenzene
Concen: 29.83 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	125292		
174	97.1		71.8	107.6
176	94.2		70.1	105.1





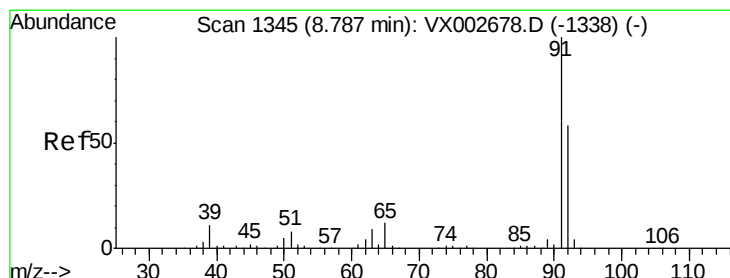
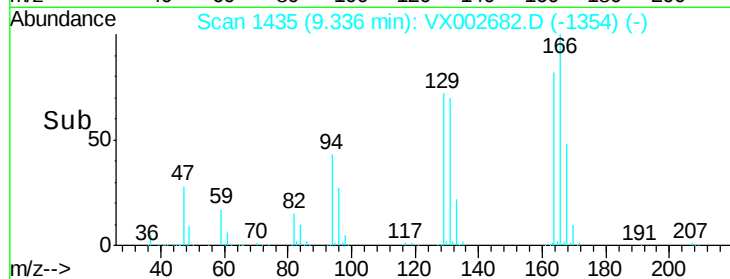
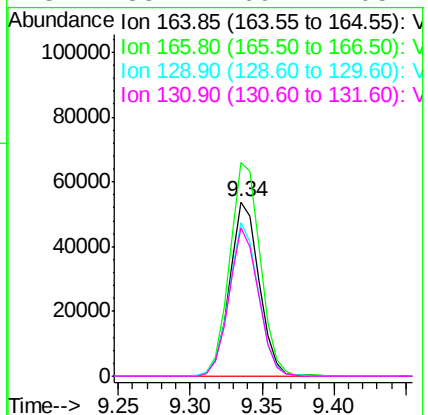
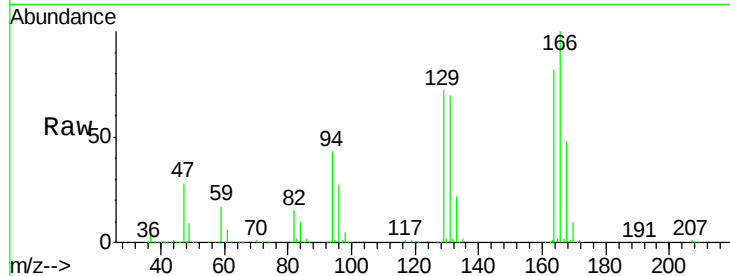
#61
 Tetrachloroethene
 Concen: 22.24 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion:	164	Resp:	77614
Ion	Ratio	Lower	Upper
164	100		
166	122.5	102.4	153.6
129	88.0	70.1	105.1
131	85.4	69.1	103.7

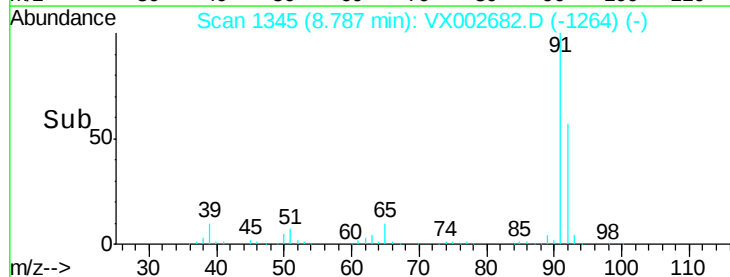
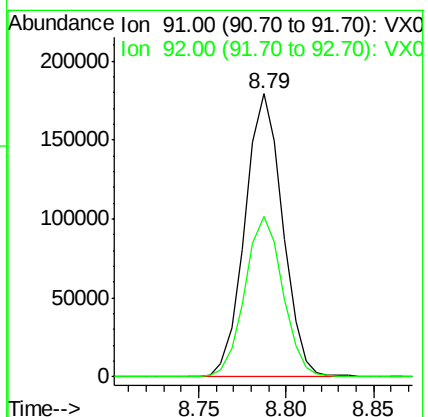
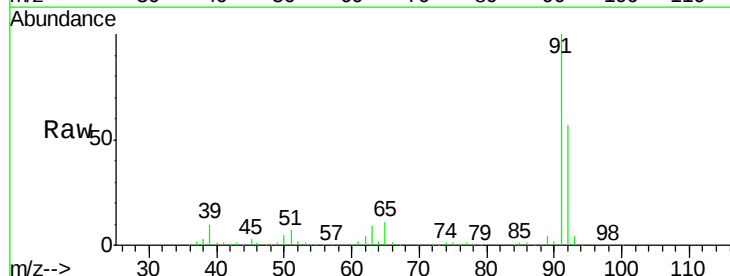
Manual Integrations
 APPROVED

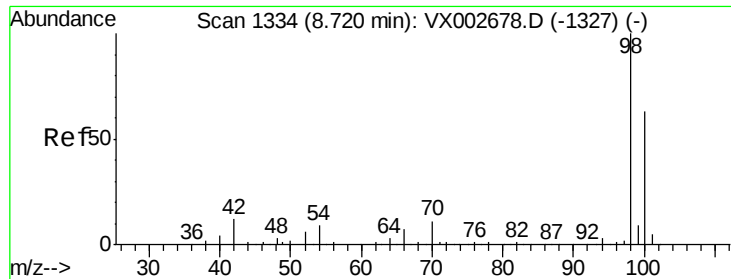
MMDadoda
 6/19/2018 1:05:30 PM



#62
 Toluene
 Concen: 21.93 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion:	91	Resp:	268758
Ion	Ratio	Lower	Upper
91	100		
92	57.3	46.5	69.7





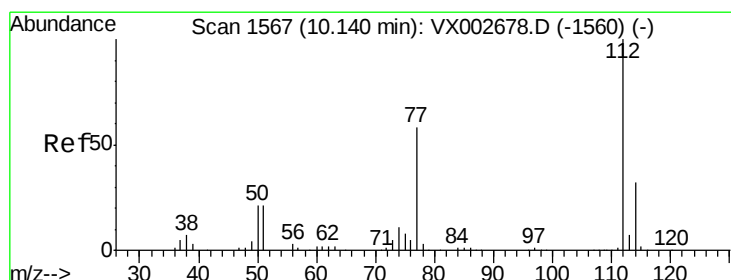
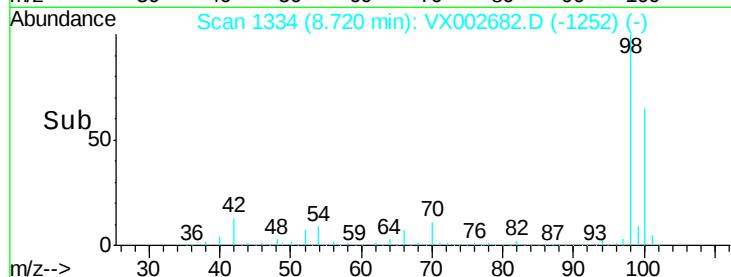
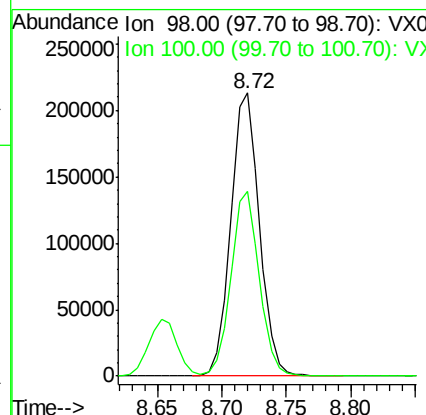
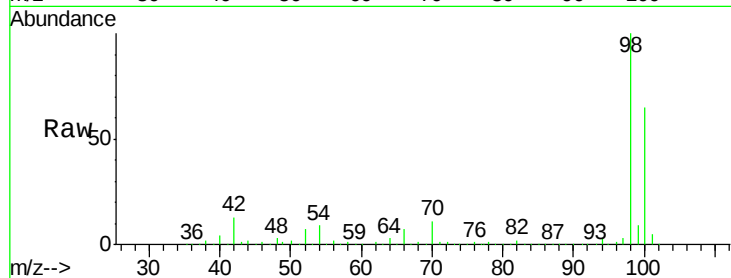
#63
Toluene-d8
Concen: 29.94 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion: 98 Resp: 332586
Ion Ratio Lower Upper
98 100
100 64.1 50.8 76.2

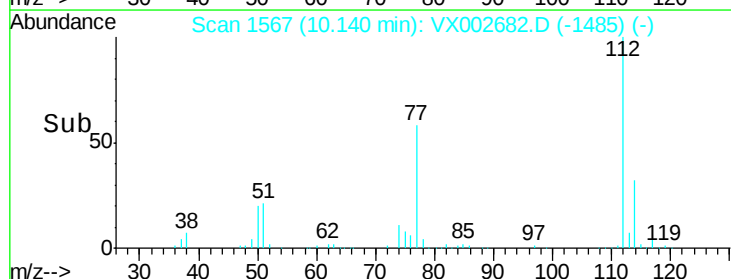
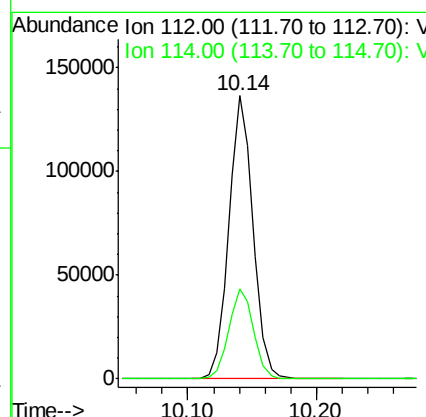
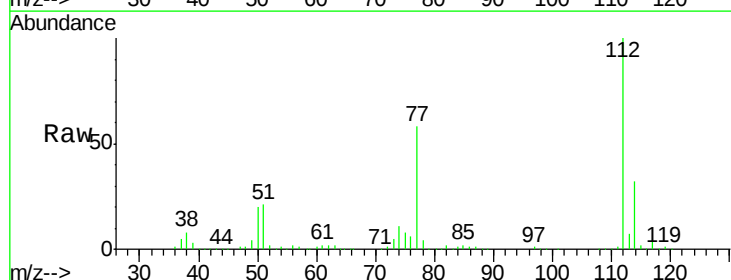
Manual Integrations
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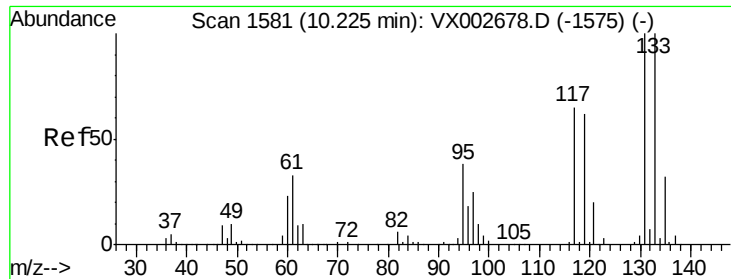
MMDadoda
6/19/2018 1:05:30 PM



#64
Chlorobenzene
Concen: 22.13 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion: 112 Resp: 180206
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.63 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

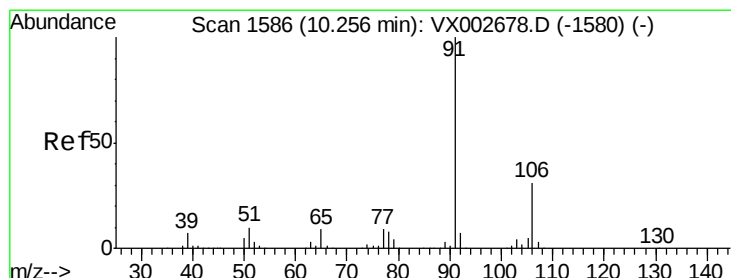
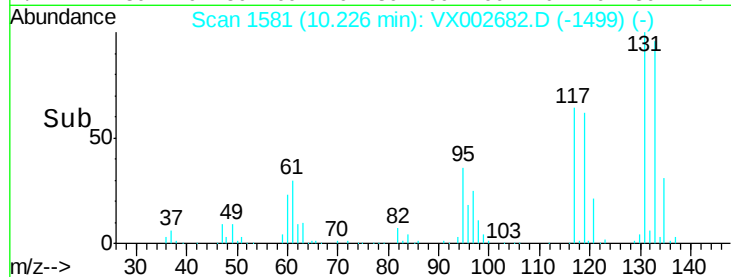
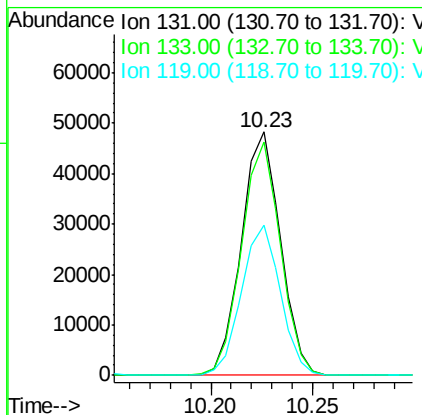
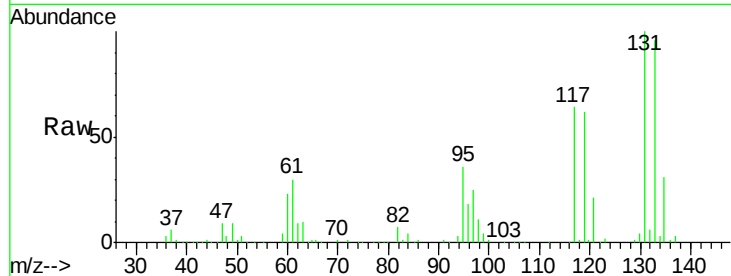
ClientSampleId :

ICVVX061818

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	191.2
119	61.5	0.0	125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 22.00 ug/l

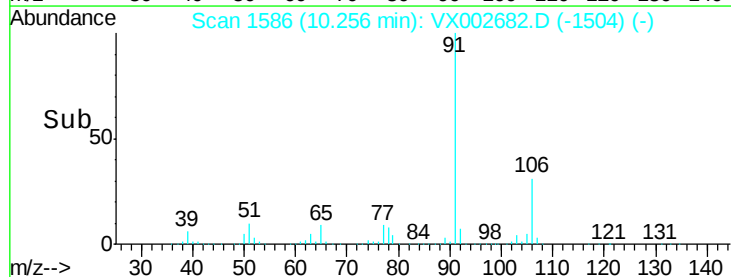
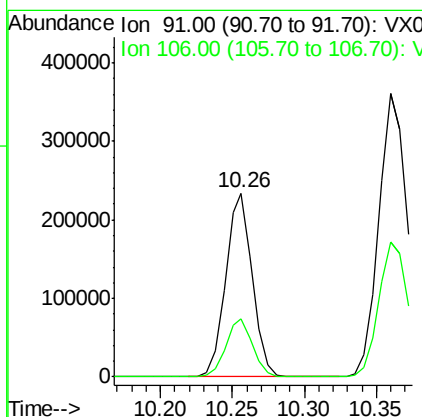
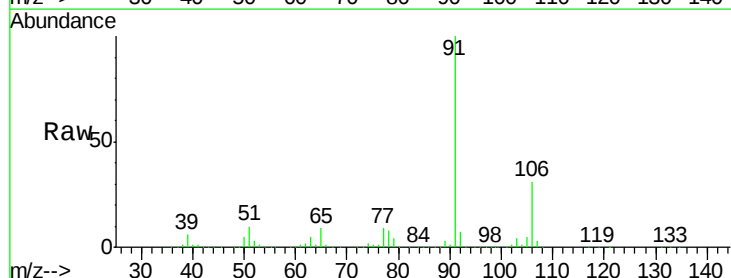
RT: 10.26 min Scan# 1586

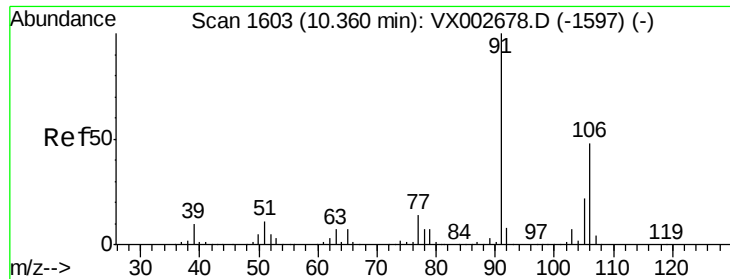
Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.2	37.8





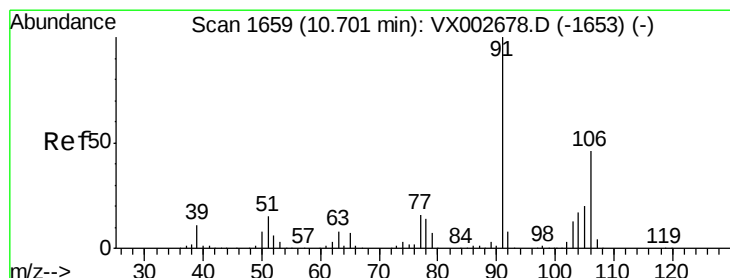
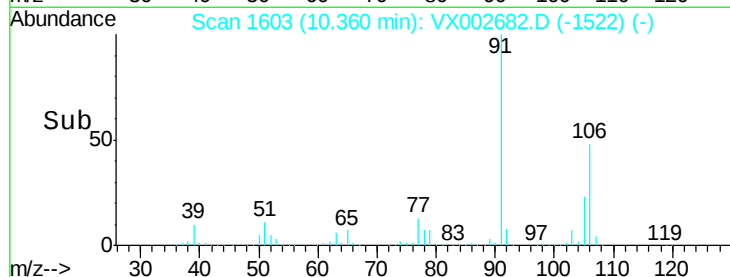
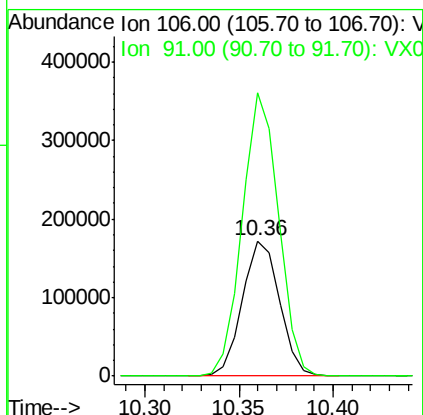
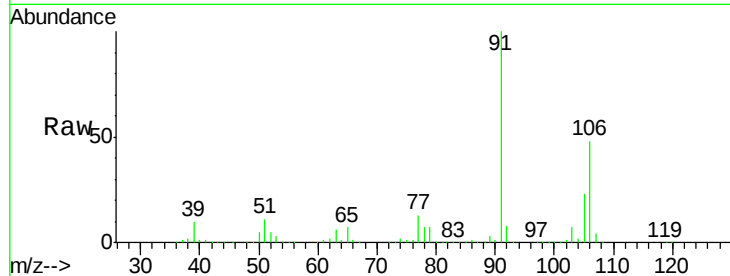
#67
m/p-Xvlenes
Concen: 43.88 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion:106 Resp: 235377
Ion Ratio Lower Upper
106 100
91 205.9 164.1 246.1

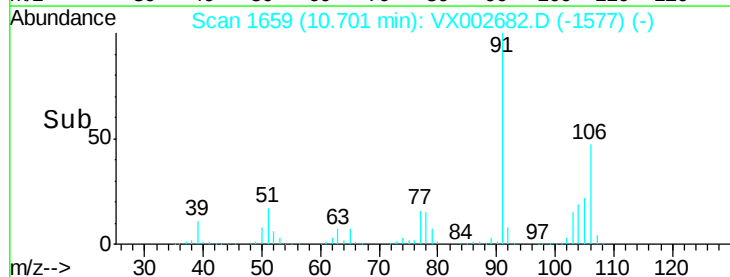
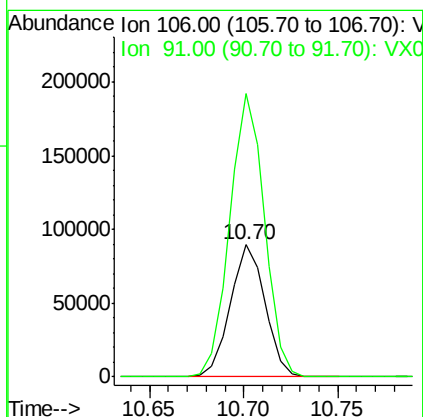
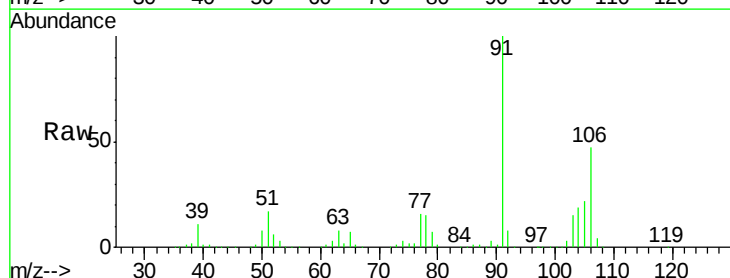
Manual Integrations
APPROVED

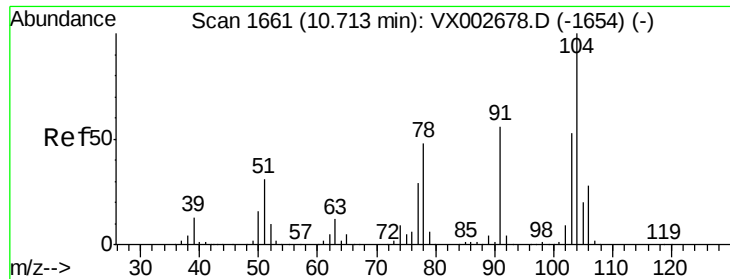
MMDadoda
6/19/2018 1:05:30 PM



#68
o-Xylene
Concen: 21.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion:106 Resp: 113729
Ion Ratio Lower Upper
106 100
91 215.2 109.1 327.3





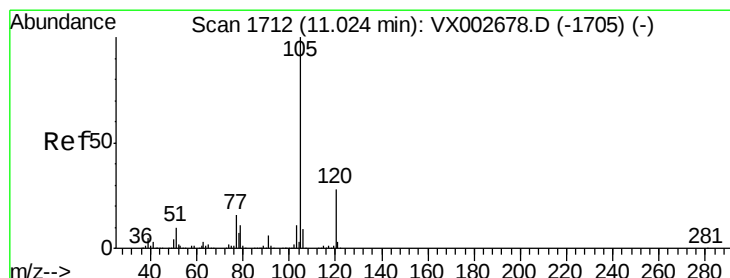
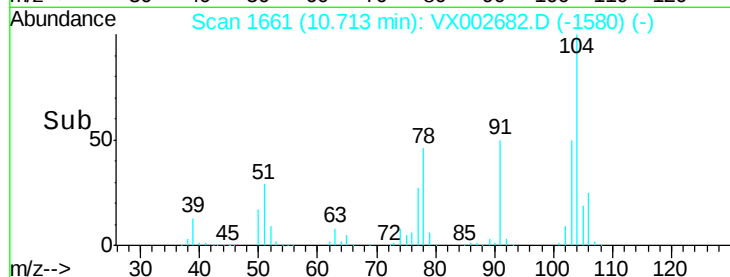
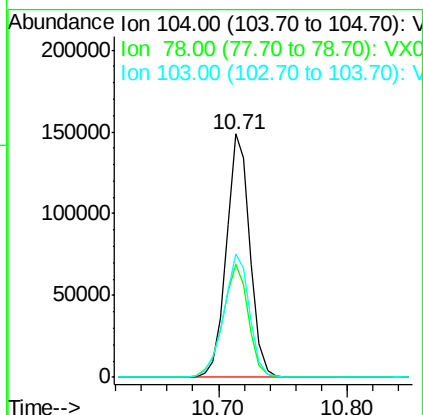
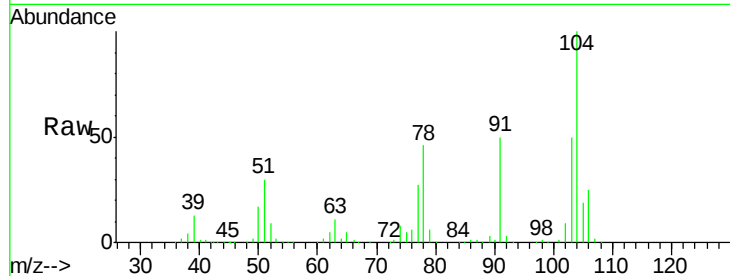
#69
Stvrene
Concen: 21.90 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.8	62.8
103	55.3	44.9	67.3

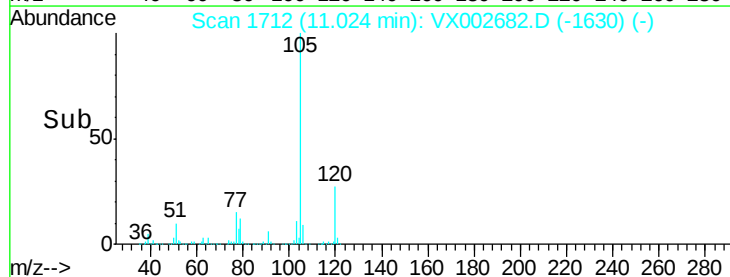
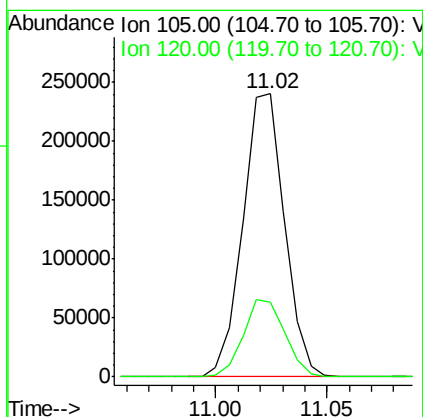
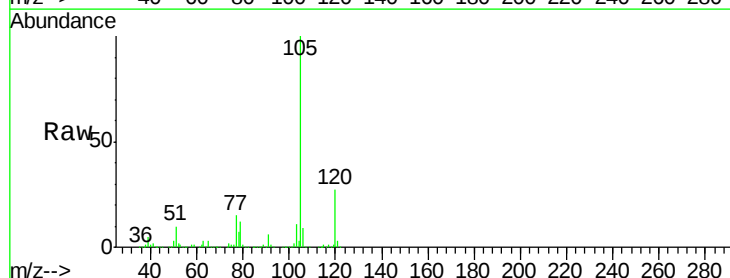
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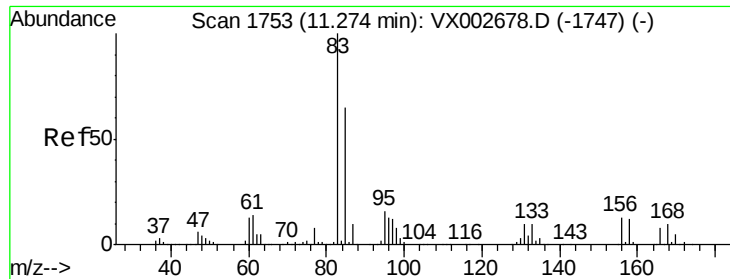
MMDadoda
6/19/2018 1:05:30 PM



#70
Isopropylbenzene
Concen: 21.83 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.0	35.2





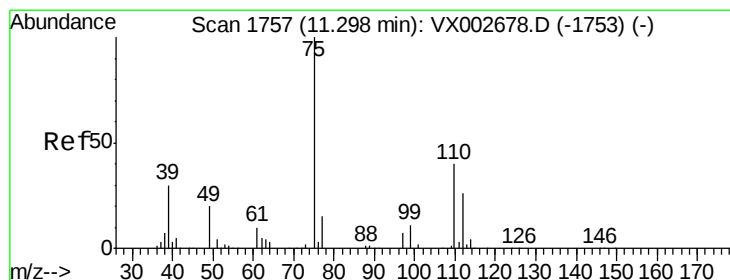
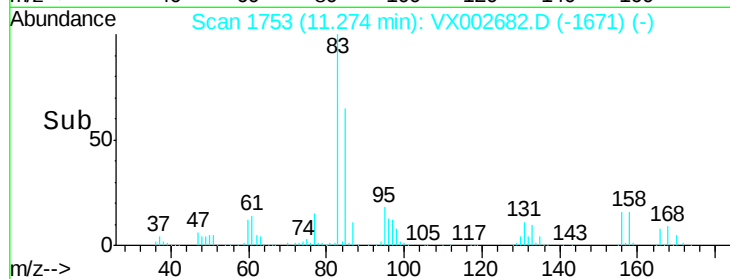
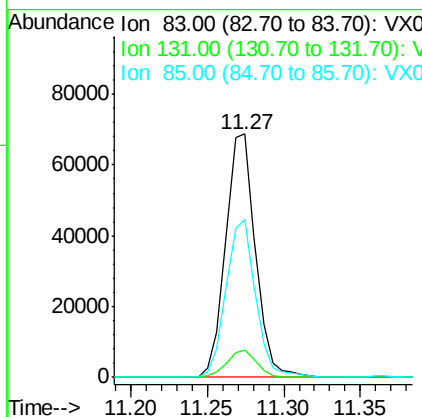
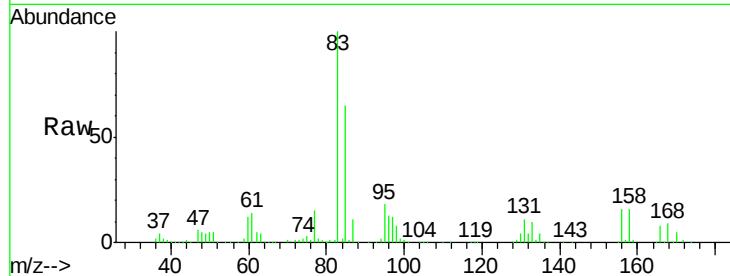
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.65 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.3	5.4	16.2	
85	64.3	32.4	97.2	

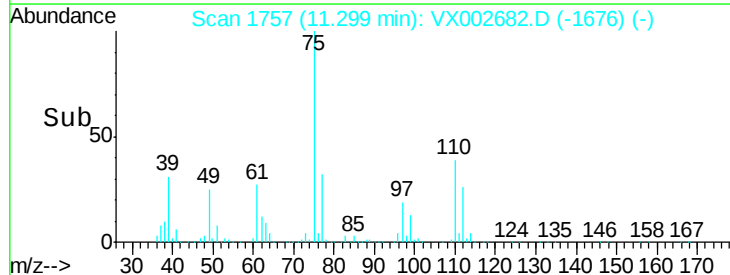
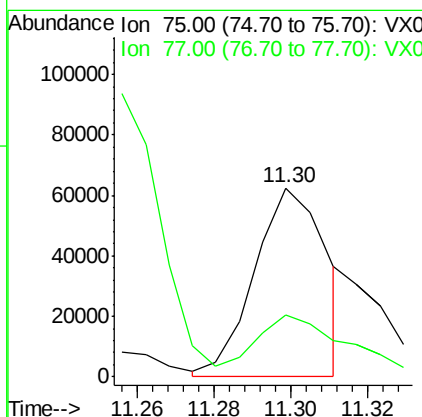
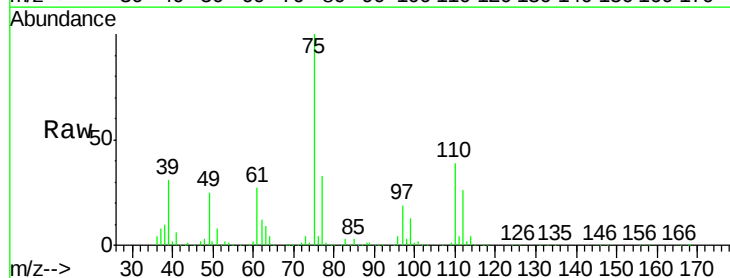
Manual Integrations
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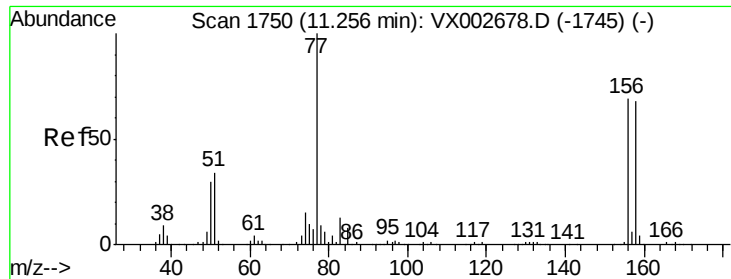
MMDadoda
 6/19/2018 1:05:30 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.70 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.8	0.0	71.8	





#73

Bromobenzene

Concen: 21.72 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

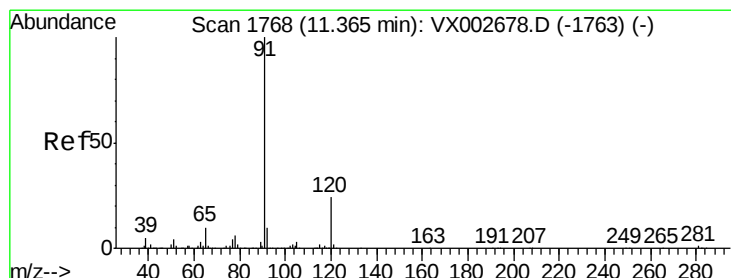
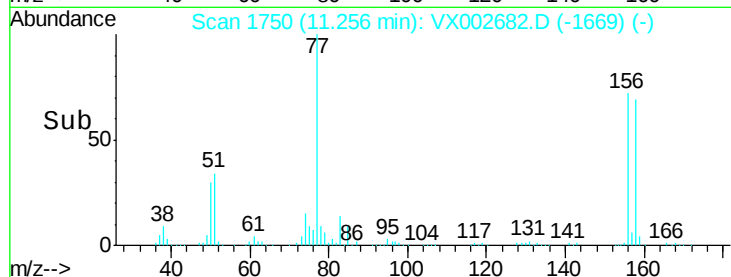
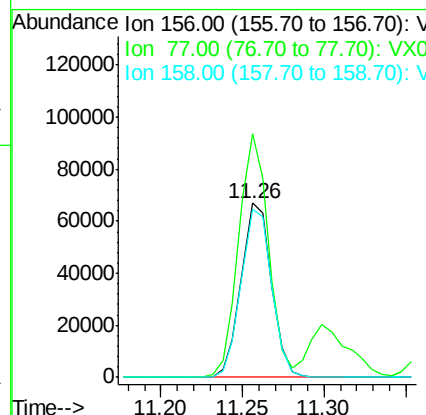
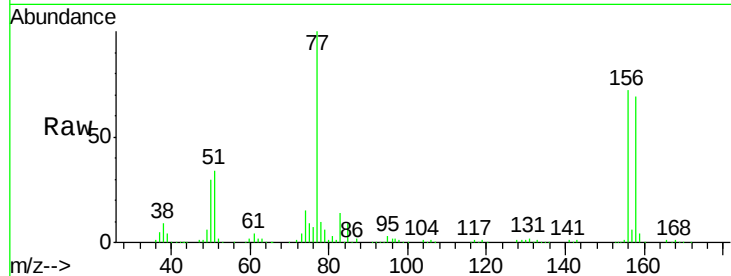
ClientSampleId :

ICVVX061818

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		87036		
77	136.7	0.0	301.0		
158	97.6	0.0	196.2		

Manual Integrations
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#74

n-propylbenzene

Concen: 22.33 ug/l

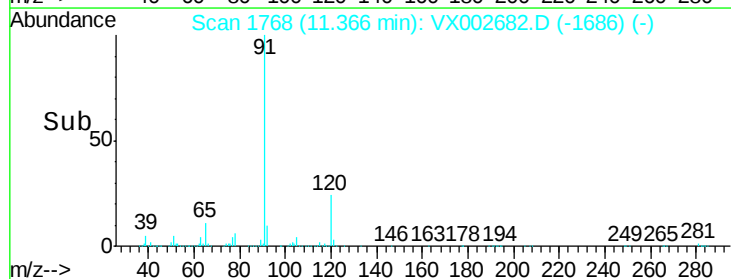
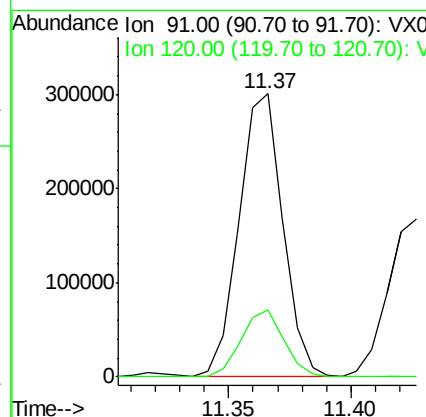
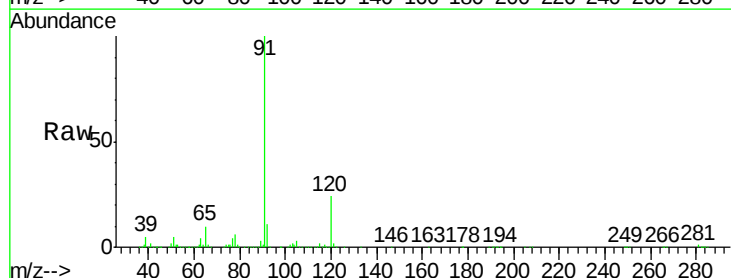
RT: 11.37 min Scan# 1768

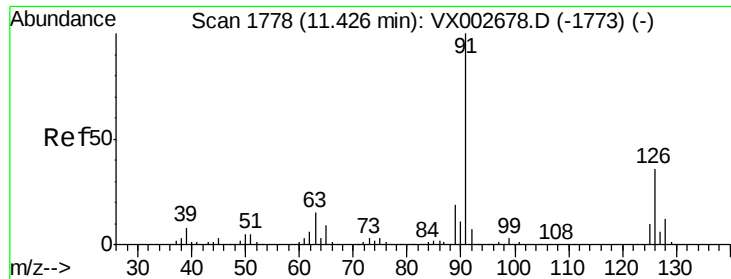
Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		373535		
120	23.4	0.0	46.2		





#75

2-Chlorotoluene

Concen: 22.01 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 91 Resp: 214321

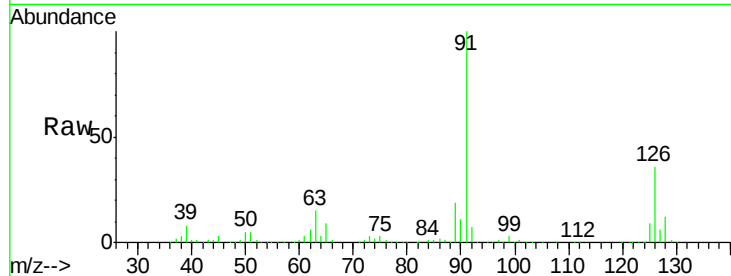
Ion Ratio Lower Upper

91 100

126 35.9 0.0 69.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX002678.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX002678.D (-1773) (-)

300000

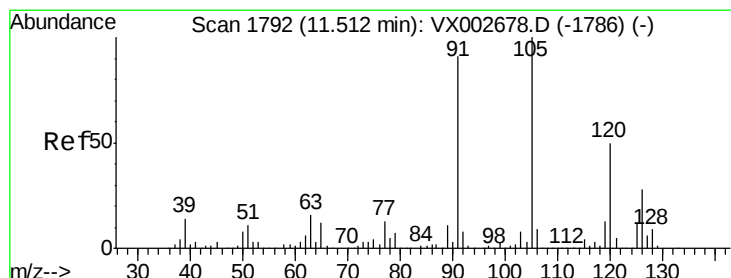
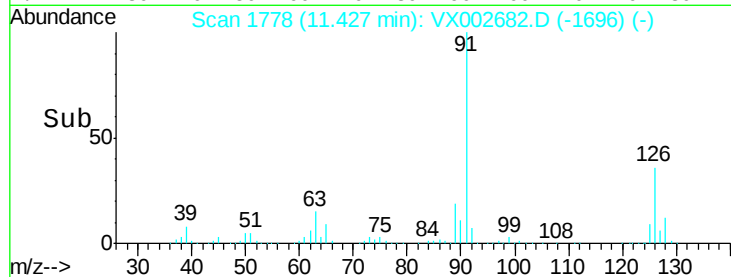
200000

100000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.73 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002682.D

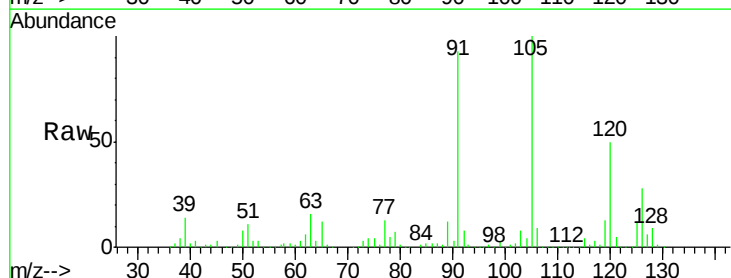
Acq: 18 Jun 2018 15:39

Tgt Ion: 105 Resp: 265880

Ion Ratio Lower Upper

105 100

120 49.7 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX002678.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002678.D (-1786) (-)

250000

200000

150000

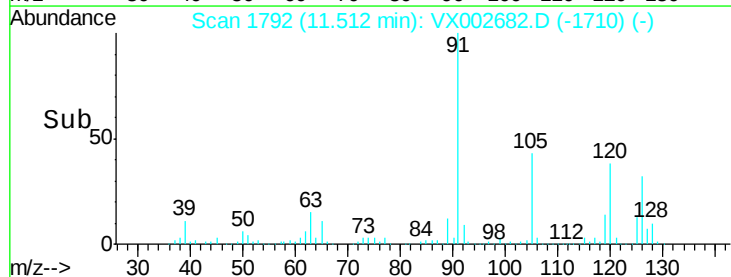
100000

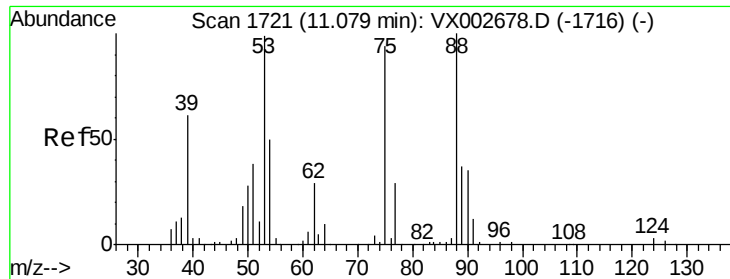
50000

0

11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 20.59 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002682.D

Acq: 18 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX061818

Tot Ion: 75 Resp: 24732

Ion Ratio Lower Upper

75 100

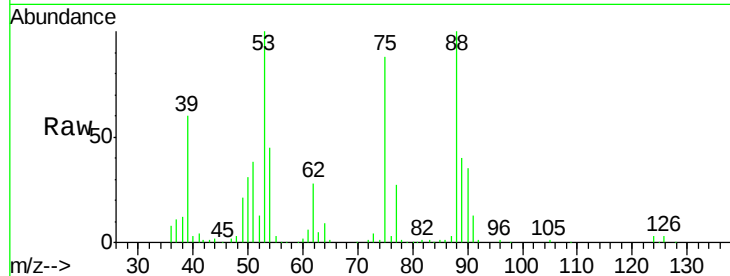
53 113.9 48.3 144.9

89 45.7 21.8 65.4

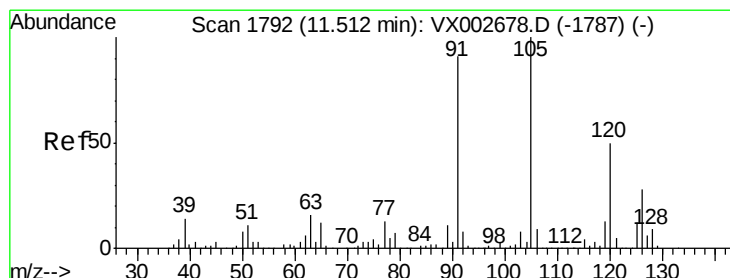
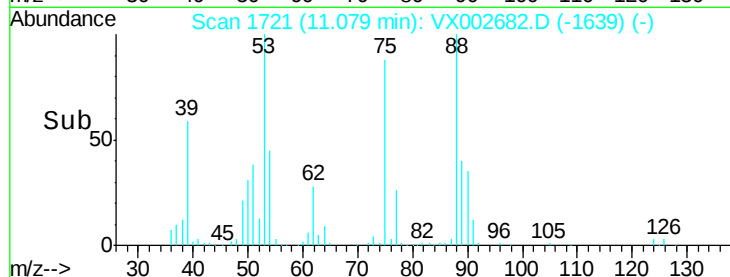
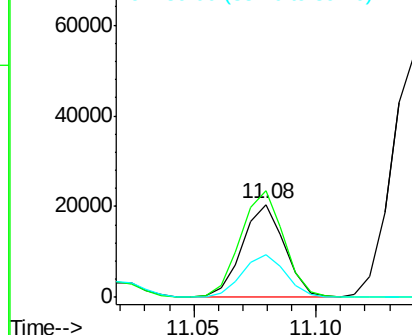
Manual Integrations
APPROVED

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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 22.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002682.D

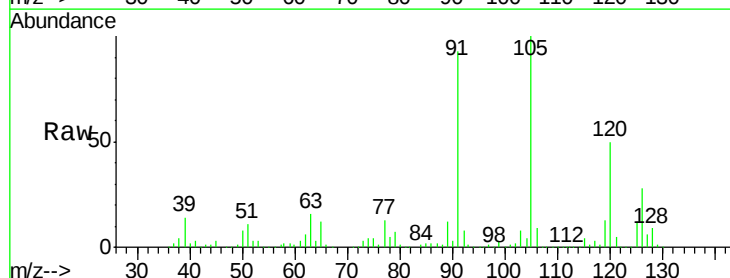
Acq: 18 Jun 2018 15:39

Tgt Ion: 91 Resp: 255682

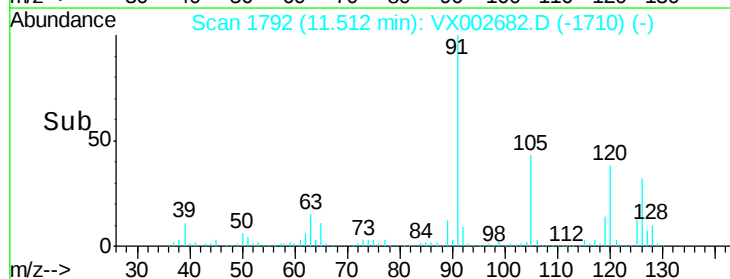
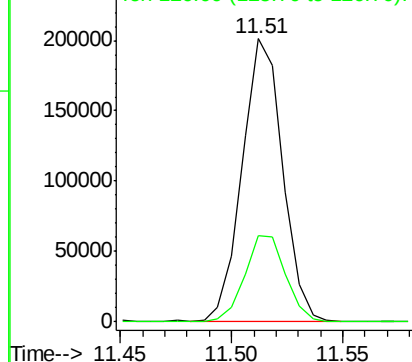
Ion Ratio Lower Upper

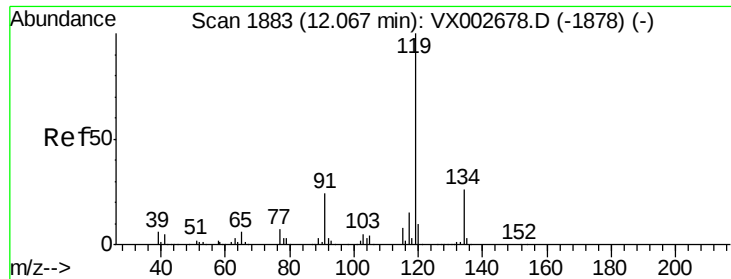
91 100

126 31.0 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





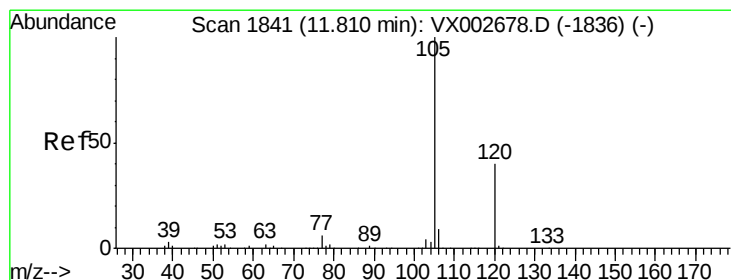
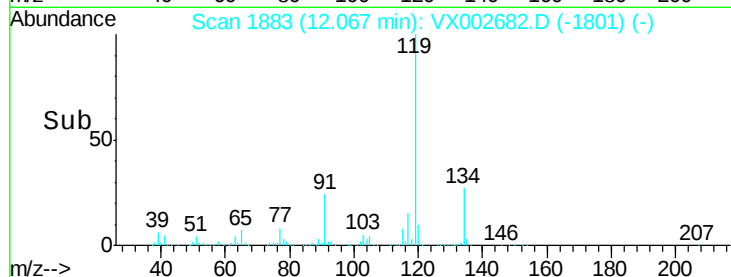
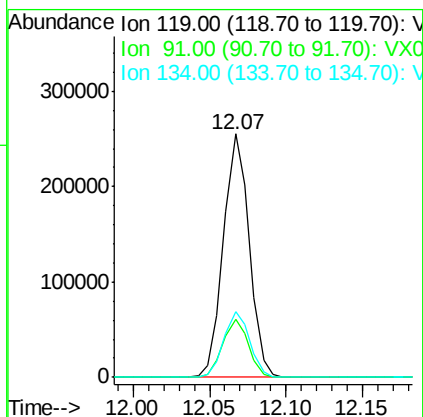
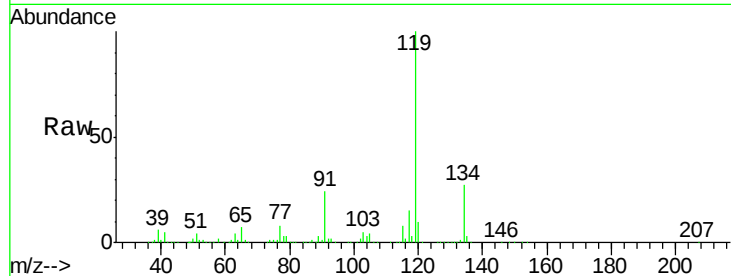
#79
tert-butylbenzene
Concen: 22.12 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298558		
91	23.8	0.0	48.0	
134	27.2	0.0	52.6	

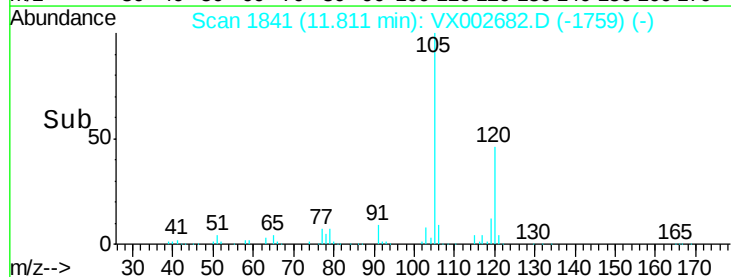
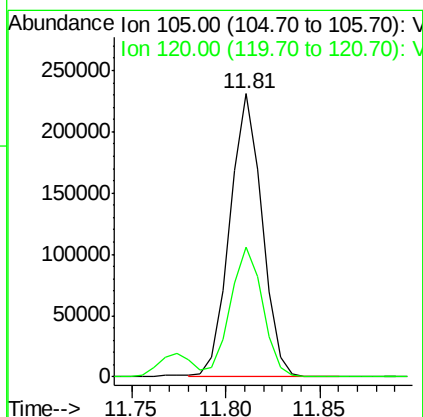
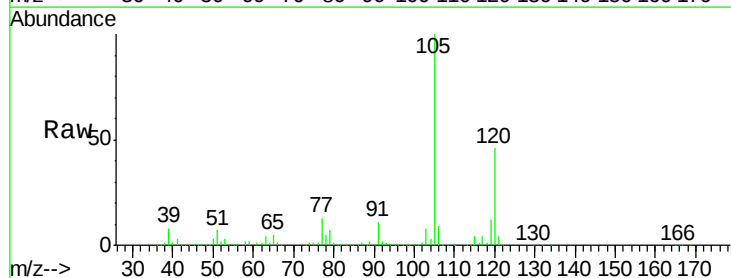
Manual Integrations
APPROVED

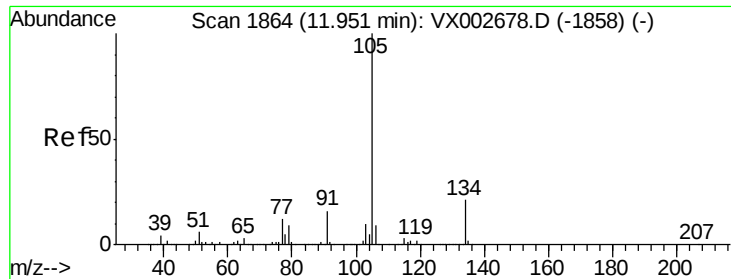
MMDadoda
6/19/2018 1:05:30 PM



#80
1,2,4-Trimethylbenzene
Concen: 21.87 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273295		
120	46.2	0.0	89.2	





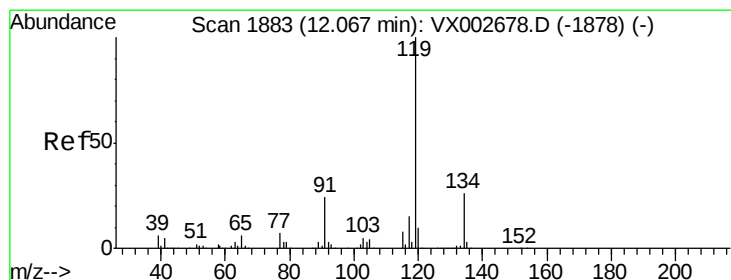
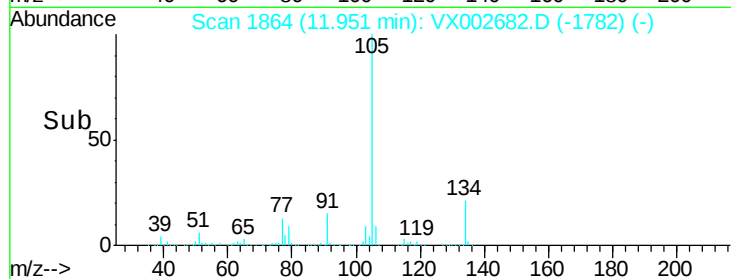
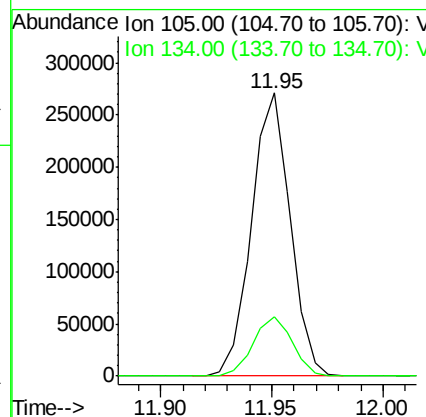
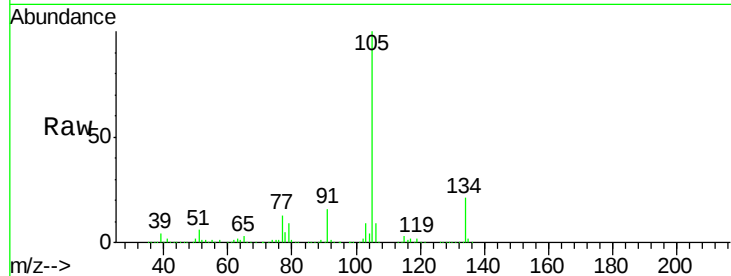
#81
 sec-Butylbenzene
 Concen: 21.95 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
105	100	328521		
134	21.2	0.0	41.6	

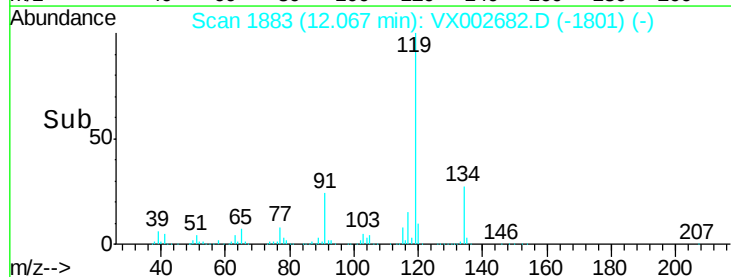
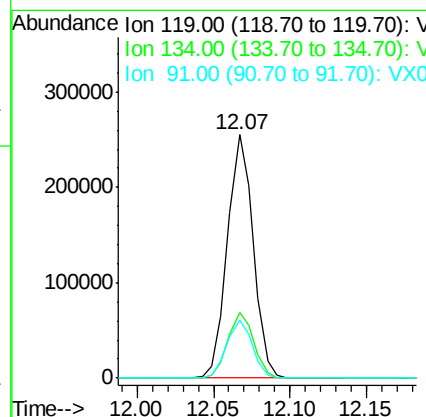
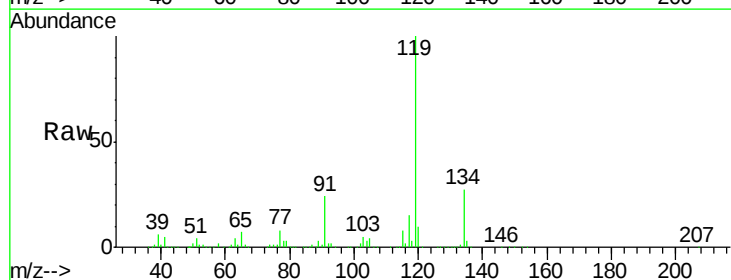
Manual Integrations
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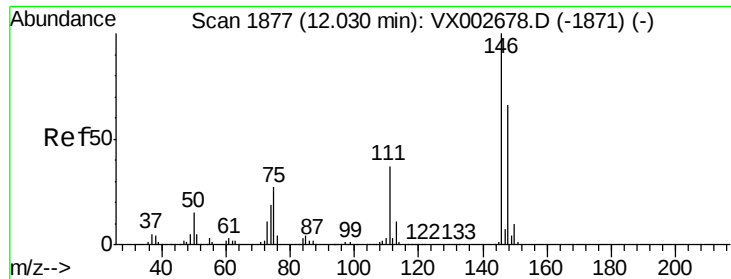
MMDadoda
 6/19/2018 1:05:30 PM



#82
 p-Isopropyltoluene
 Concen: 22.12 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	298558		
134	27.2	0.0	52.6	
91	23.8	0.0	48.0	





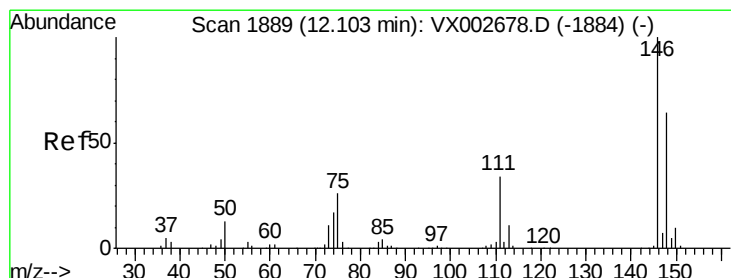
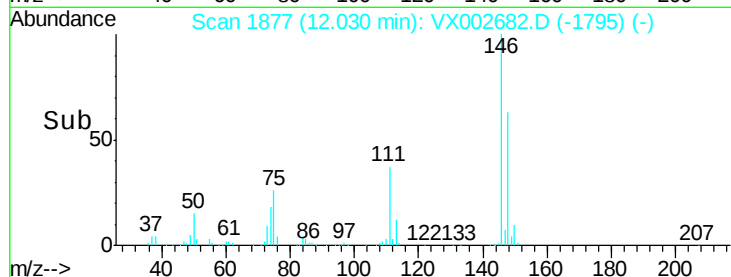
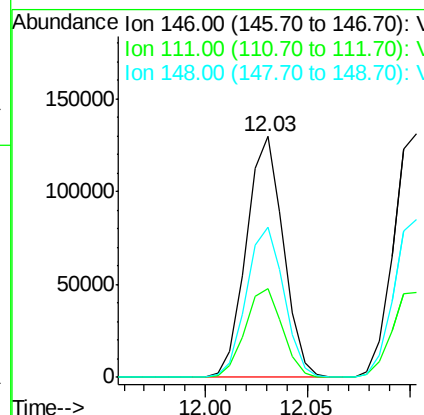
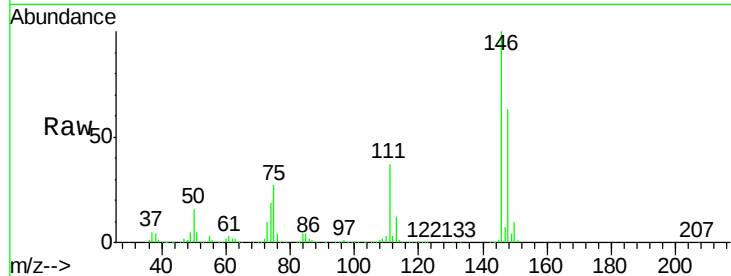
#83
 1,3-Dichlorobenzene
 Concen: 22.13 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.5
148	63.6	31.9	95.7

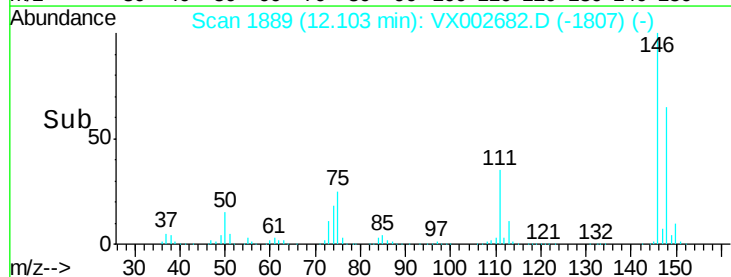
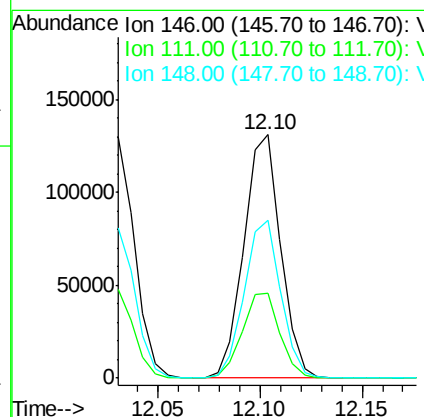
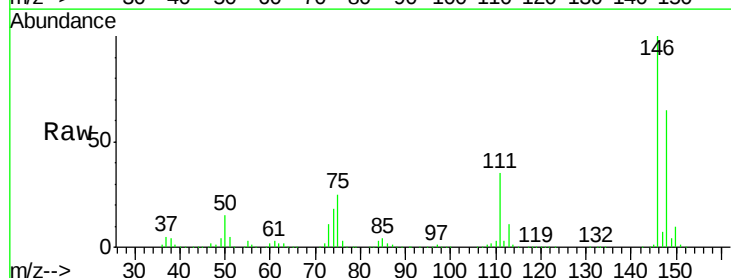
Manual Integrations
 APPROVED

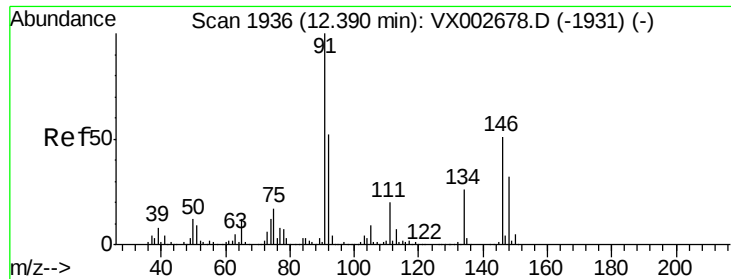
MMDadoda
 6/19/2018 1:05:30 PM



#84
 1,4-Dichlorobenzene
 Concen: 22.05 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.5	55.5
148	64.3	32.0	96.0





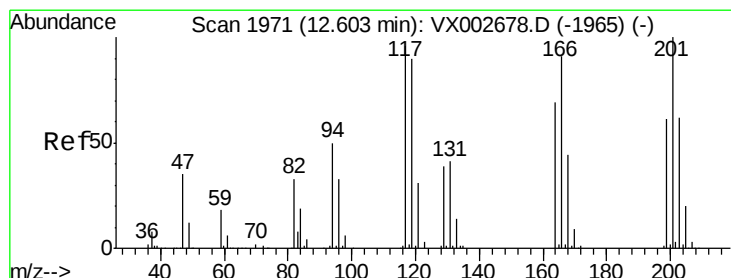
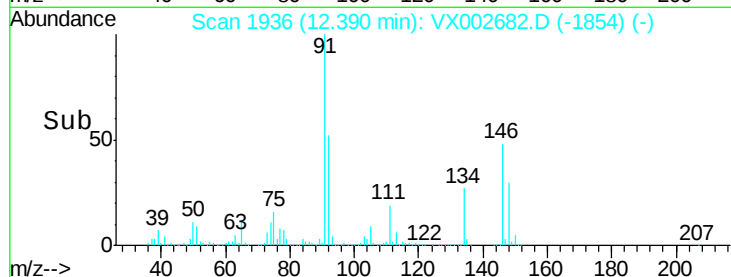
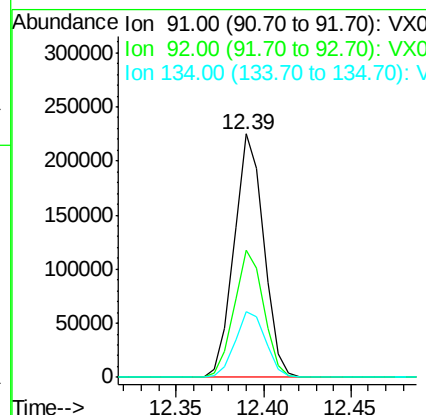
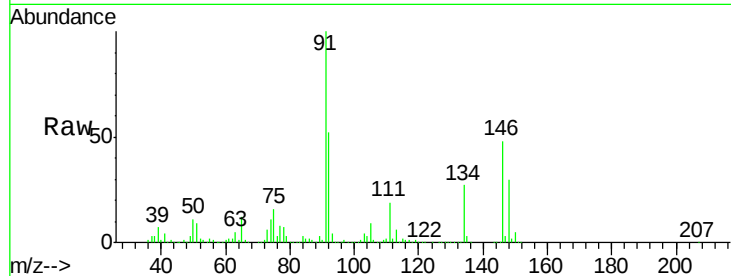
#85
n-Butylbenzene
Concen: 22.11 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
91	100	264462		
92	52.0		0.0	105.2
134	27.7		0.0	53.2

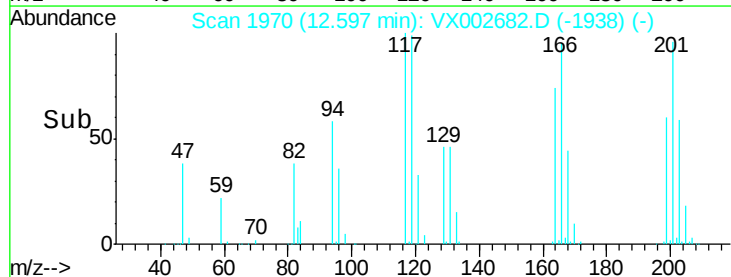
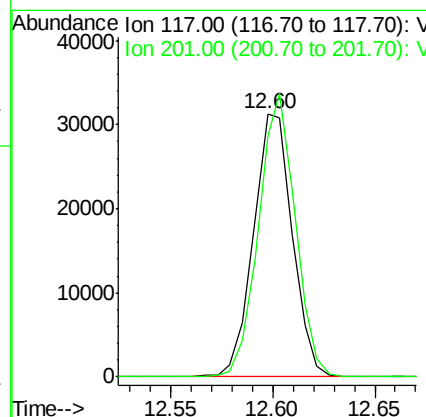
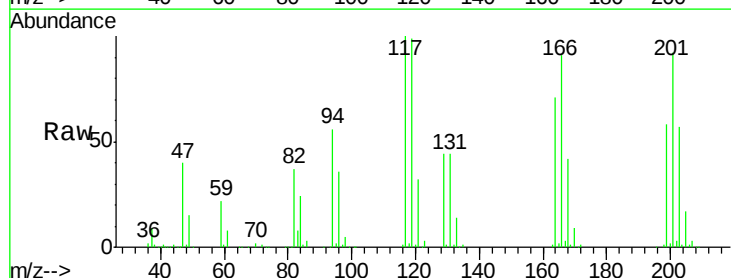
Manual Integrations
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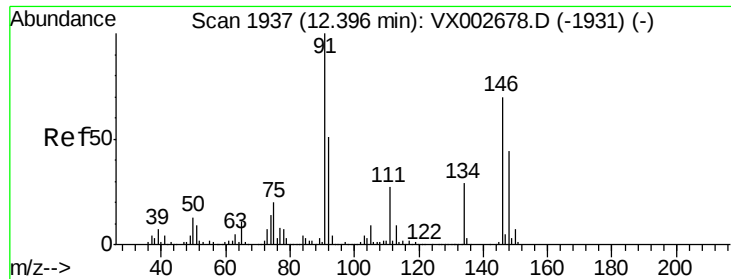
MMDadoda
6/19/2018 1:05:30 PM



#86
Hexachloroethane
Concen: 20.29 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41505		
201	101.2		47.6	142.8





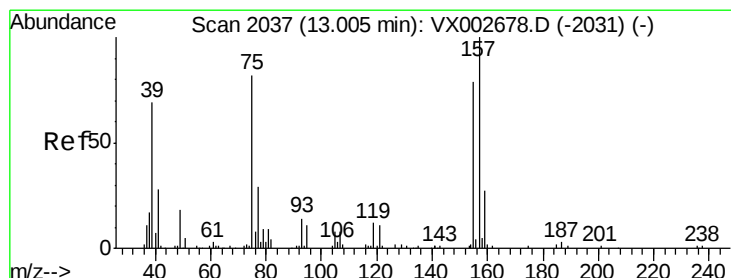
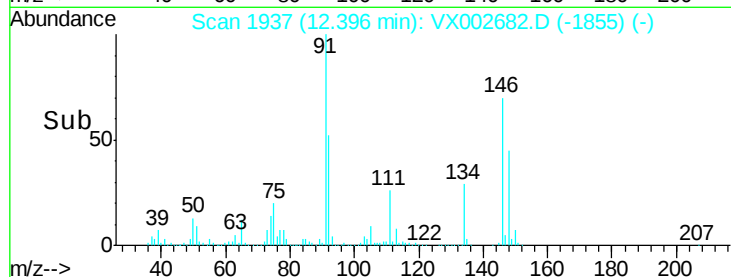
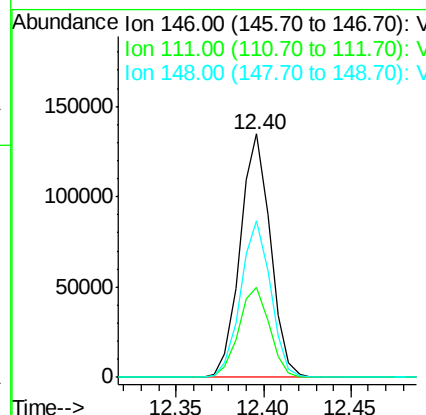
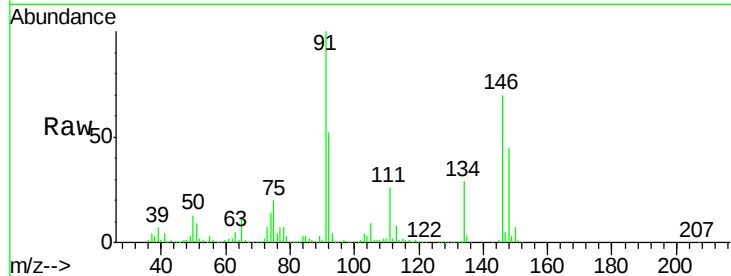
#87
 1,2-Dichlorobenzene
 Concen: 21.71 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161691		
111	37.9	20.0	59.9	
148	64.0	32.8	98.3	

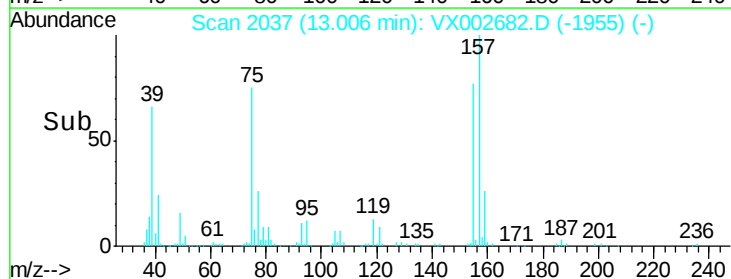
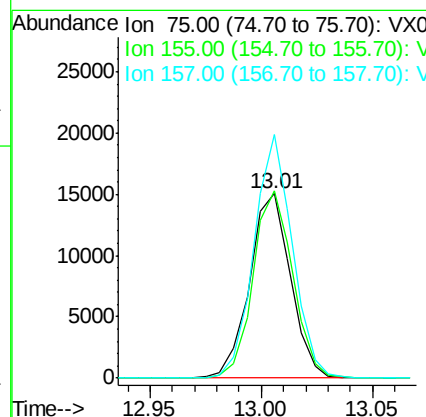
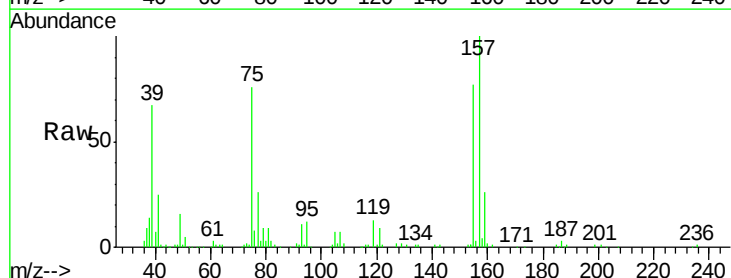
Manual Integrations
 APPROVED

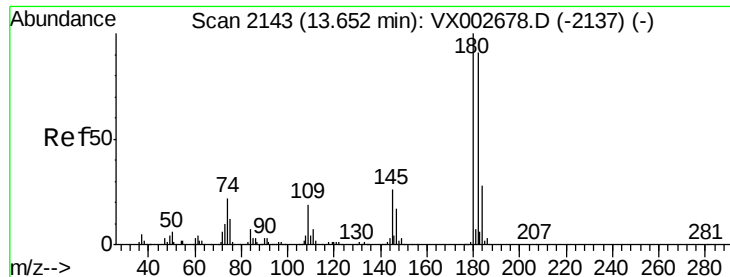
MMDadoda
 6/19/2018 1:05:30 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.10 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002682.D
 Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19341		
155	97.9	73.1	109.7	
157	123.1	93.1	139.7	





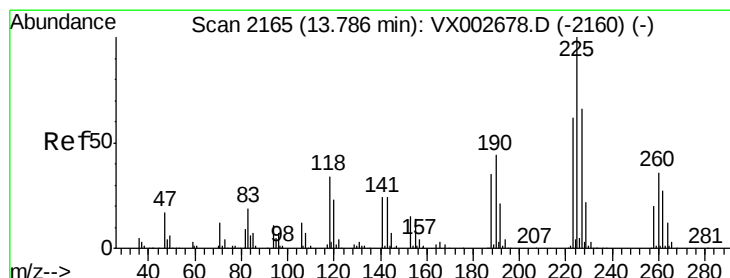
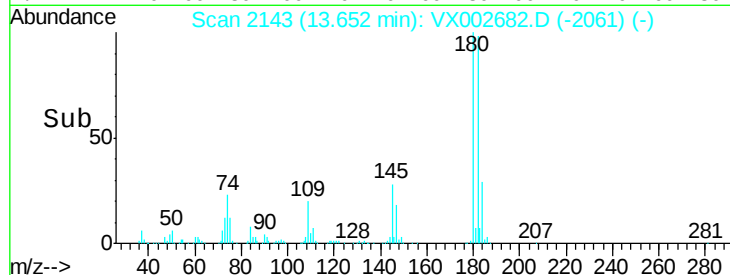
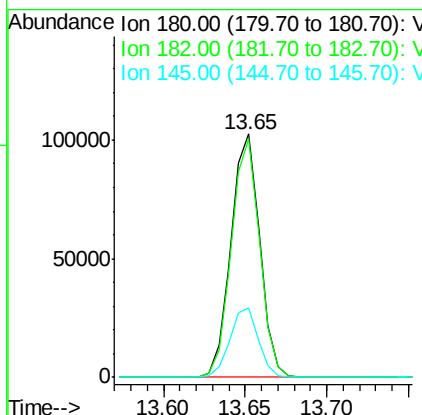
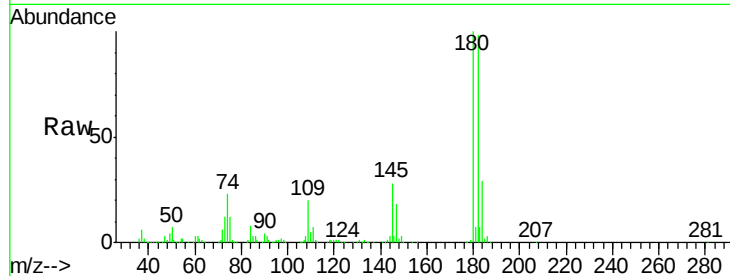
#89
1,2,4-Trichlorobenzene
Concen: 22.28 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125268		
182	96.1	76.4	114.6	
145	28.2	22.9	34.3	

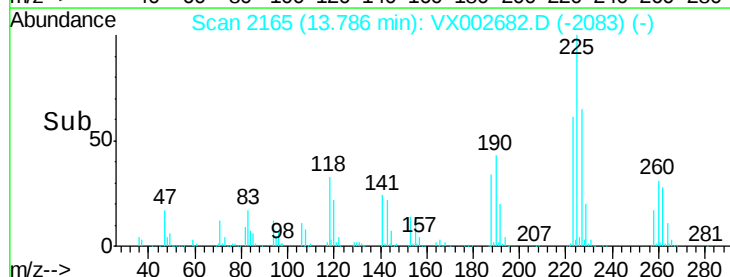
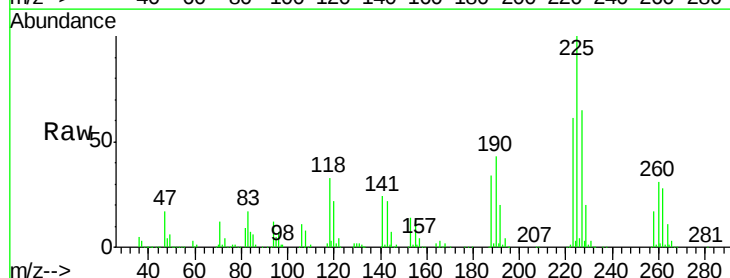
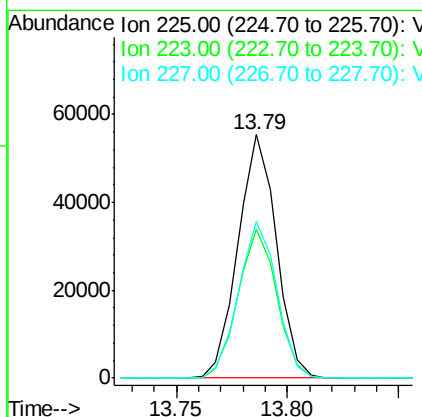
Manual Integrations
APPROVED

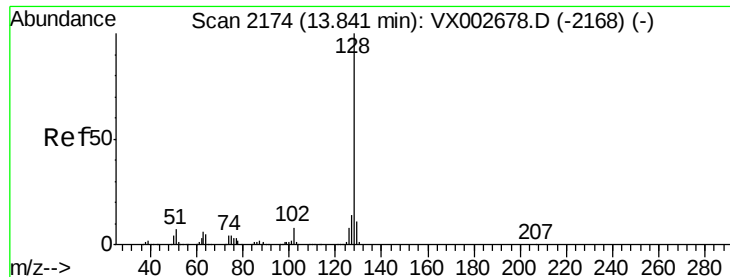
MMDadoda
6/19/2018 1:05:30 PM



#90
Hexachlorobutadiene
Concen: 22.80 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66733		
223	61.5	0.0	122.4	
227	64.3	0.0	128.0	





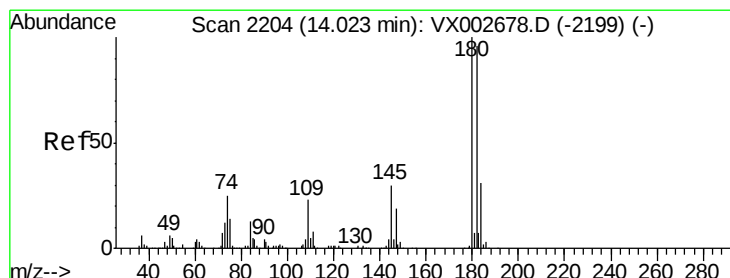
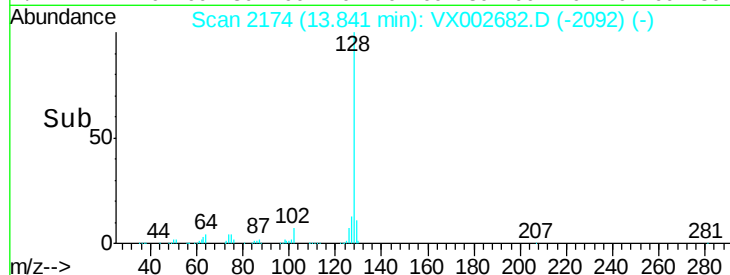
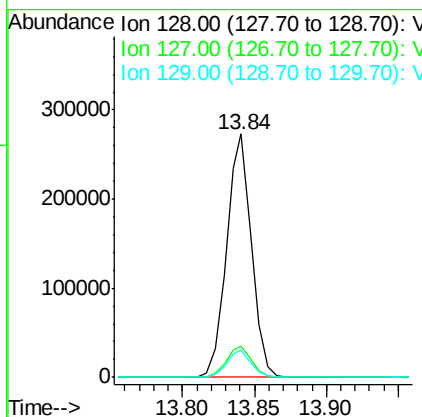
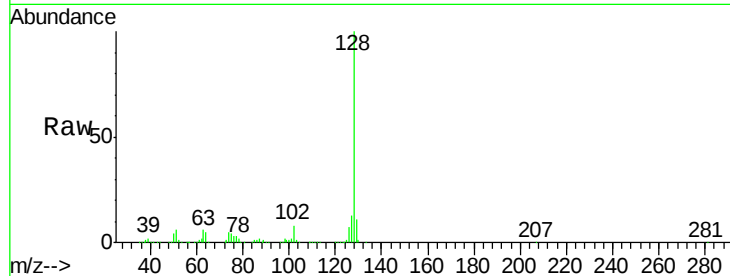
#91
Naphthalene
Concen: 22.25 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061818

Tot Ion	Ratio	Resp	Lower	Upper
128	100	331539		
127	13.0		10.3	15.5
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:30 PM



#92
1,2,3-Trichlorobenzene
Concen: 22.26 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002682.D
Acq: 18 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124493		
182	96.3		0.0	191.0
145	29.6		0.0	60.6

