

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004109.D
 Acq On : 16 Aug 2018 08:26
 Operator : JC/MD
 Sample : VX0815WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:40:13 PM

Quant Time: Aug 16 14:15:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	262065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	414693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	390437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209288	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
35) Dibromofluoromethane	5.51	113	162346	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	8.72	98	661695	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	235282	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54998	21.56	ug/l	99
3) Chloromethane	1.32	50	65359	20.88	ug/l	97
4) Vinyl Chloride	1.40	62	71047	20.98	ug/l	97
5) Bromomethane	1.64	94	39021	22.64	ug/l	98
6) Chloroethane	1.73	64	49755	21.31	ug/l	96
7) Trichlorofluoromethane	1.93	101	100900	21.24	ug/l	98
8) Diethyl Ether	2.18	74	42363	20.42	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	61284	20.67	ug/l	99
10) Methyl Iodide	2.51	142	55727	20.85	ug/l	98
11) Tert butyl alcohol	3.04	59	67927	91.36	ug/l	100
12) 1,1-Dichloroethene	2.38	96	57980	21.03	ug/l	96
13) Acrolein	2.29	56	42156	90.85	ug/l	100
14) Allyl chloride	2.73	41	98765	18.83	ug/l	98
15) Acrylonitrile	3.14	53	191939	103.53	ug/l	100
16) Acetone	2.43	43	196921	102.58	ug/l	100
17) Carbon Disulfide	2.57	76	154759	19.79	ug/l	100
18) Methyl Acetate	2.77	43	90496	21.21	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	202397	20.84	ug/l	99
20) Methylene Chloride	2.86	84	70101	22.00	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	64443	20.58	ug/l	98
22) Diisopropyl ether	3.86	45	211198	20.55	ug/l	# 90
23) Vinyl Acetate	3.82	43	862204	102.13	ug/l	100
24) 1,1-Dichloroethane	3.70	63	121657	20.90	ug/l	99
25) 2-Butanone	4.69	43	314126	100.57	ug/l	100
26) 2,2-Dichloropropane	4.59	77	42108	9.10	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	73444	20.86	ug/l	95
28) Bromochloromethane	5.02	49	60193	22.53	ug/l	96
29) Tetrahydrofuran	5.15	42	156500	98.07	ug/l	98
30) Chloroform	5.21	83	119076	20.96	ug/l	98
31) Cyclohexane	5.58	56	103612	20.30	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	100059	21.07	ug/l	98
36) 1,1-Dichloropropene	5.81	75	87865	18.62	ug/l	100
37) Ethyl Acetate	4.85	43	96562	18.79	ug/l	99
38) Carbon Tetrachloride	5.78	117	87334	19.05	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94496	17.65	ug/l	99
40) Benzene	6.15	78	281514	19.87	ug/l	99
41) Methacrylonitrile	5.06	41	53835	18.71	ug/l	98
42) 1,2-Dichloroethane	6.20	62	99809	20.12	ug/l	99
43) Isopropyl Acetate	6.46	43	141005	18.62	ug/l	99
44) Trichloroethene	7.21	130	74254	19.30	ug/l	94
45) 1,2-Dichloropropane	7.52	63	73215	20.18	ug/l	98
46) Dibromomethane	7.67	93	47186	19.91	ug/l	98
47) Bromodichloromethane	7.90	83	88624	19.74	ug/l	99
48) Methyl methacrylate	7.78	41	73088	19.17	ug/l	98
49) 1,4-Dioxane	7.76	88	27880	324.77	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	624306	100.52	ug/l	98
52) Toluene	8.79	92	181636	20.27	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	82403	16.99	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	93024	17.32	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	74258	20.07	ug/l	98
56) Ethyl methacrylate	9.18	69	95294	18.94	ug/l	99
57) 1,3-Dichloropropane	9.37	76	124093	20.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	269208	105.06	ug/l	99
59) 2-Hexanone	9.50	43	462741	99.00	ug/l	98
60) Dibromochloromethane	9.59	129	69278	19.45	ug/l	99
61) 1,2-Dibromoethane	9.67	107	76331	20.23	ug/l	98
64) Tetrachloroethene	9.34	164	77985	21.07	ug/l	96
65) Chlorobenzene	10.14	112	193243	19.16	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	67307	19.57	ug/l	98
67) Ethyl Benzene	10.25	91	307589	19.26	ug/l	98
68) m/p-Xylenes	10.36	106	248892	39.80	ug/l	100
69) o-Xylene	10.70	106	120014	20.08	ug/l	97
70) Styrene	10.71	104	206278	20.51	ug/l	96
71) Bromoform	10.86	173	51170	18.76	ug/l #	99
73) Isopropylbenzene	11.02	105	329658	19.84	ug/l	97
74) N-amyl acetate	6.46	43	141005	18.04	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	112177	19.33	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	95297m	19.36	ug/l	
77) Bromobenzene	11.26	156	89008	19.43	ug/l	100
78) n-propylbenzene	11.36	91	369439	19.87	ug/l	100
79) 2-Chlorotoluene	11.42	91	220889	19.49	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	271509	19.96	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21536	13.54	ug/l	92
82) 4-Chlorotoluene	11.51	91	264852	19.77	ug/l	100
83) tert-Butylbenzene	11.77	119	255079	18.60	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	287295	20.39	ug/l	99
85) sec-Butylbenzene	11.94	105	316669	19.73	ug/l	99
86) p-Isopropyltoluene	12.07	119	282982	19.47	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	162273	18.58	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	166482	18.52	ug/l	99
89) n-Butylbenzene	12.39	91	211526	18.47	ug/l	99
90) Hexachloroethane	12.60	117	38887	17.88	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	155306	19.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18394	18.04	ug/l	94

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ClientSampleId :
VX0815WBSD02

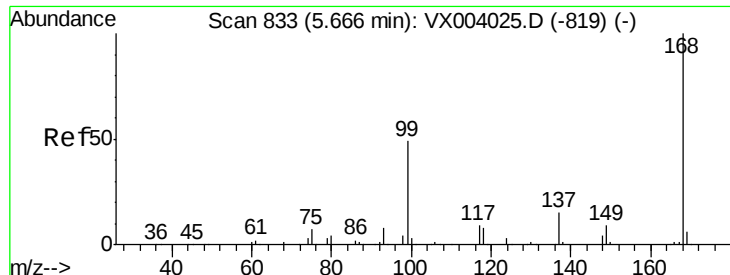
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98927	18.37	ug/l	97
94) Hexachlorobutadiene	13.78	225	45731	16.94	ug/l	99
95) Naphthalene	13.83	128	311069	18.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	109194	18.60	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion:168 Resp: 262065

Ion Ratio Lower Upper

168 100

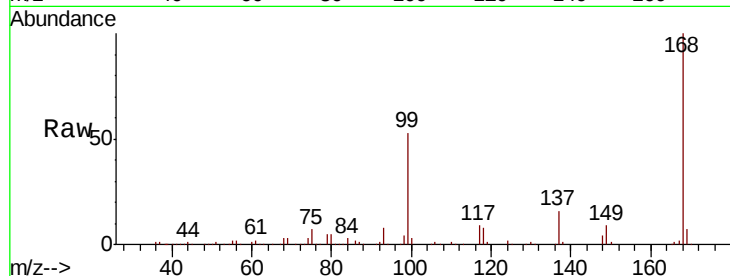
99 52.7 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

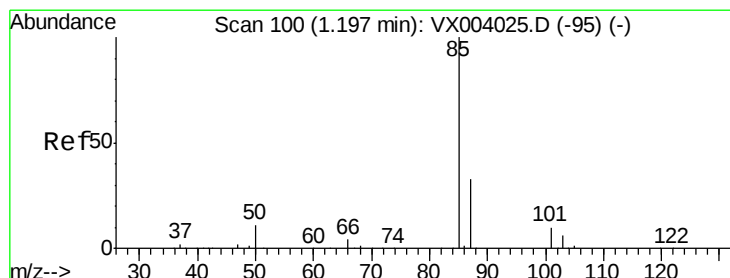
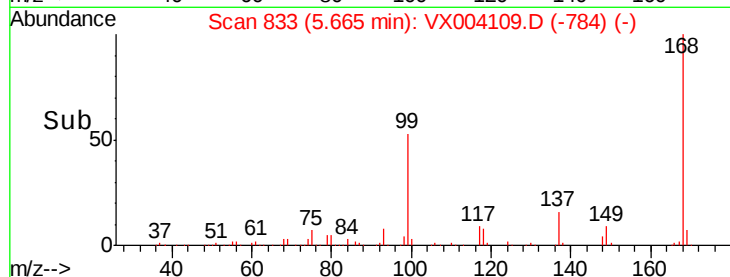
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.56 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004109.D

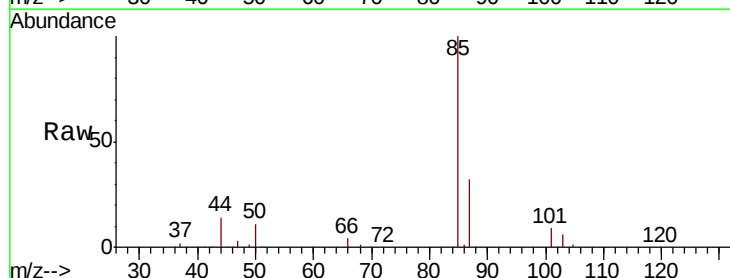
Acq: 16 Aug 2018 08:26

Tgt Ion: 85 Resp: 54998

Ion Ratio Lower Upper

85 100

87 31.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

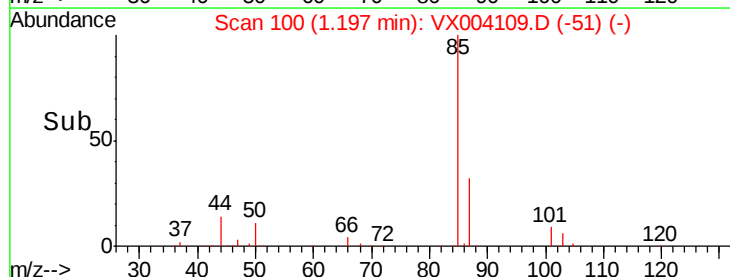
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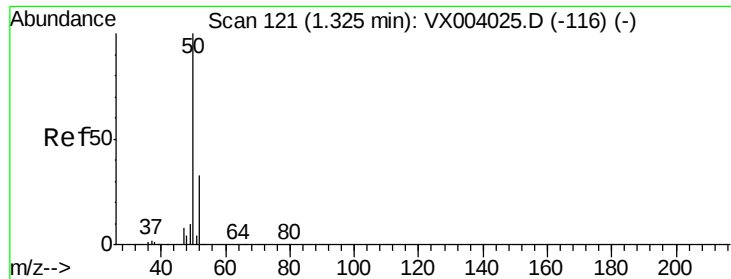
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion: 50 Resp: 65359

Ion Ratio Lower Upper

50 100

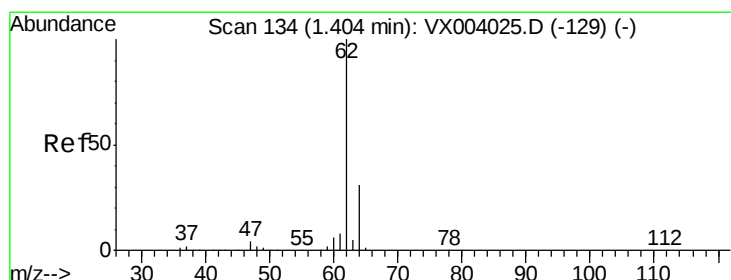
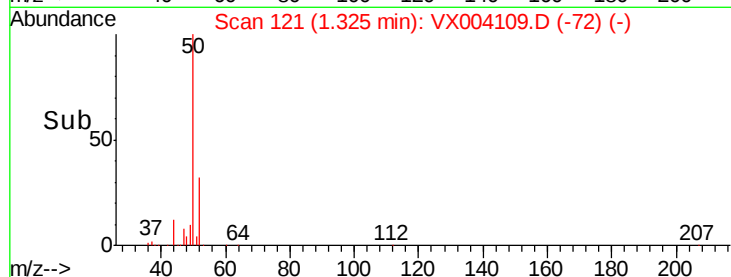
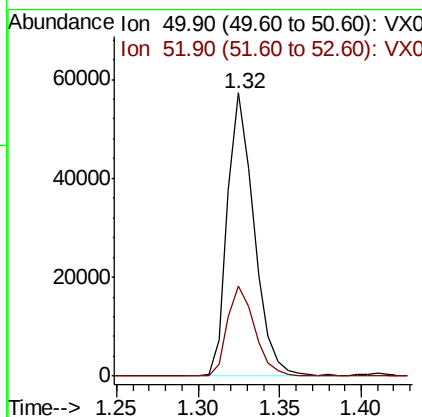
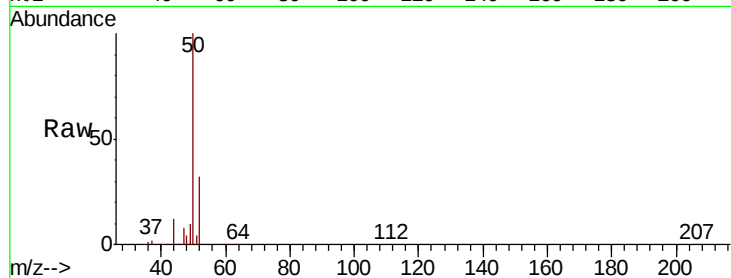
52 31.8 26.6 39.8

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#4

Vinyl Chloride

Concen: 20.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004109.D

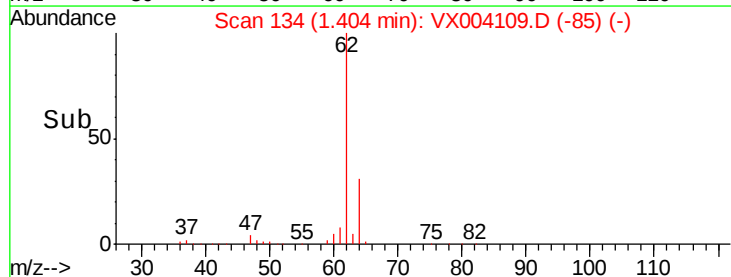
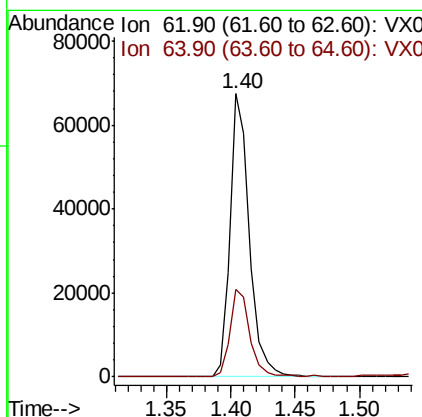
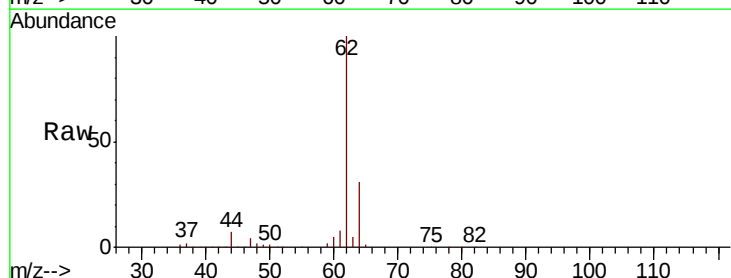
Acq: 16 Aug 2018 08:26

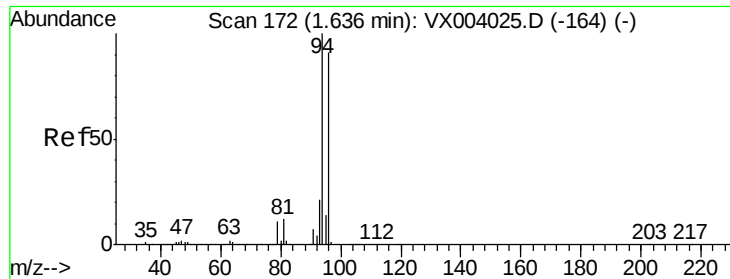
Tgt Ion: 62 Resp: 71047

Ion Ratio Lower Upper

62 100

64 31.0 26.0 39.0





#5

Bromomethane

Concen: 22.64 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion: 94 Resp: 39021

Ion Ratio Lower Upper

94 100

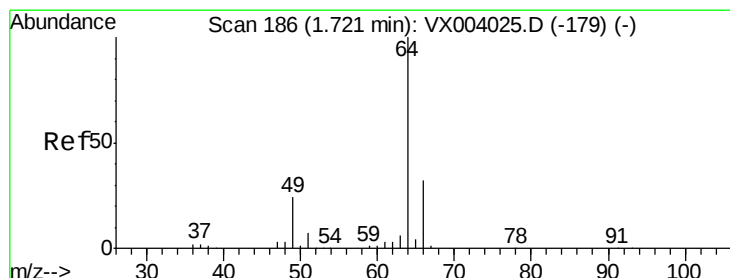
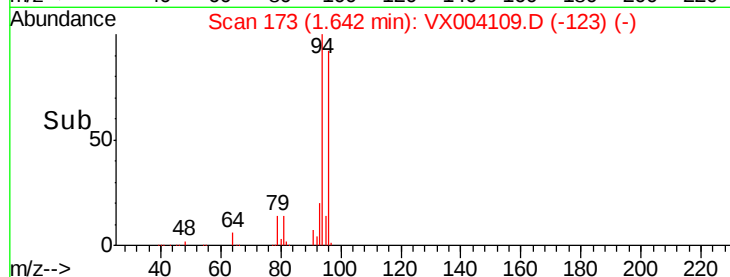
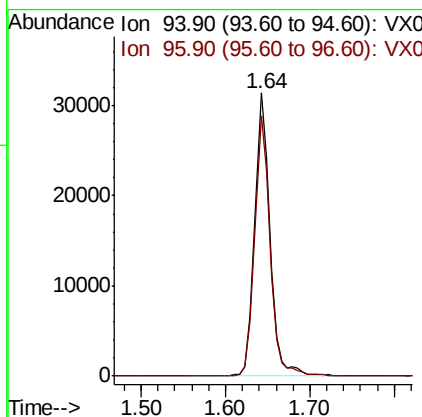
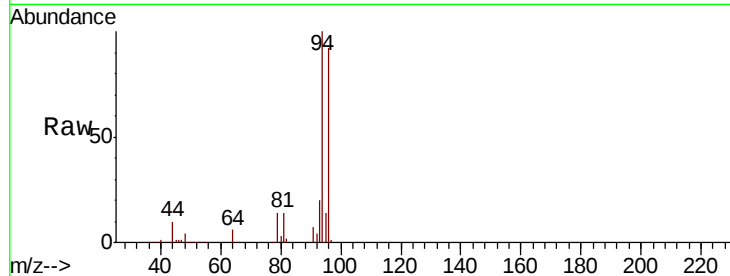
96 92.2 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 21.31 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004109.D

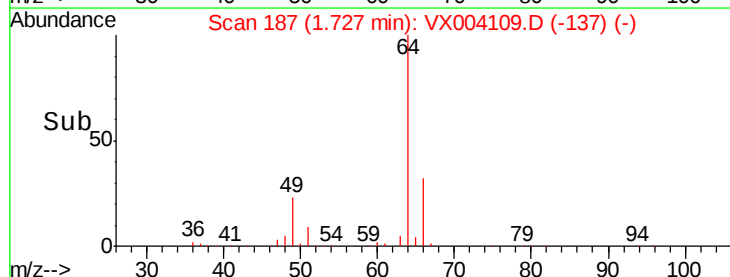
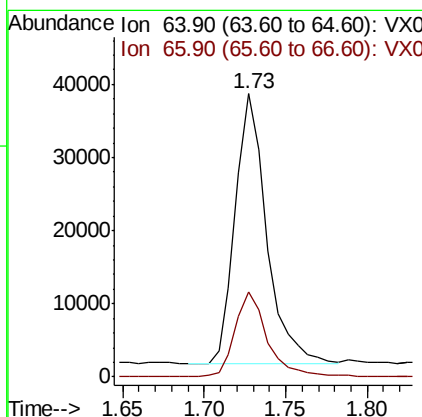
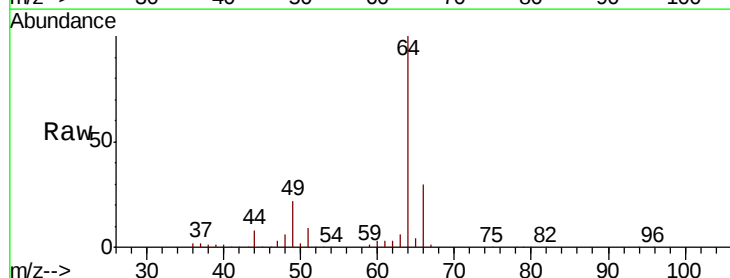
Acq: 16 Aug 2018 08:26

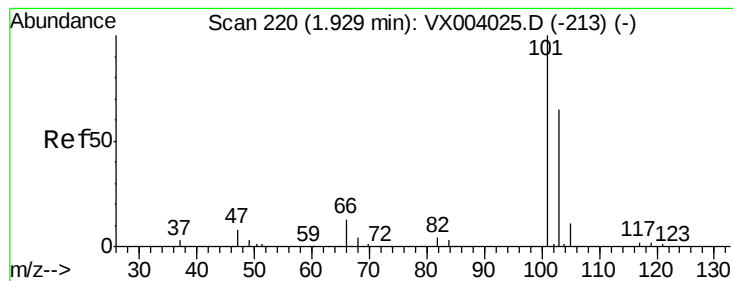
Tgt Ion: 64 Resp: 49755

Ion Ratio Lower Upper

64 100

66 31.1 26.5 39.7





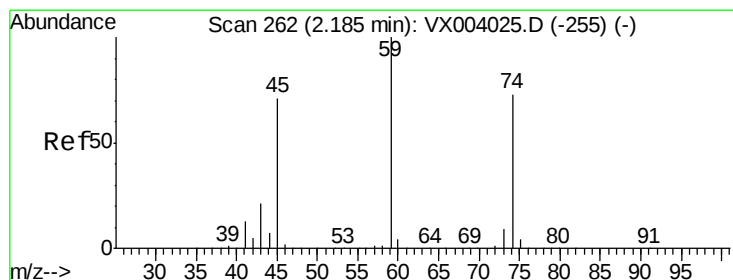
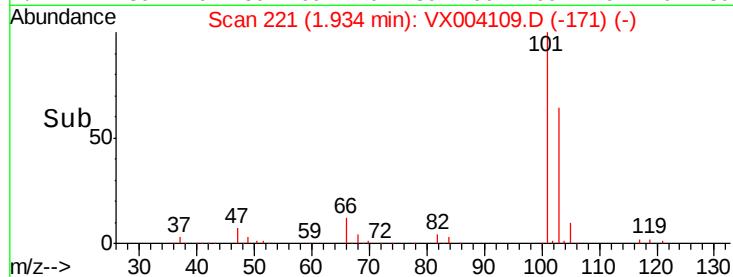
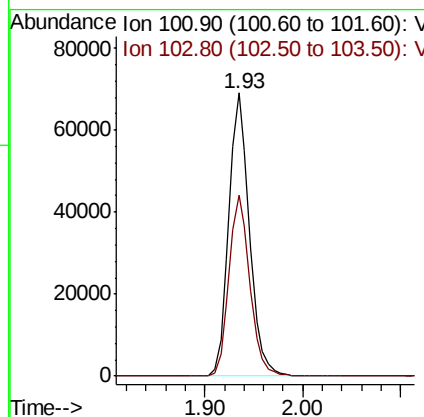
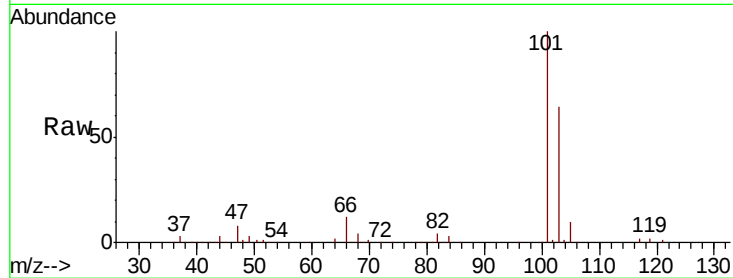
#7
 Trichlorofluoromethane
 Concen: 21.24 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100900		
103	64.1	52.3	78.5	

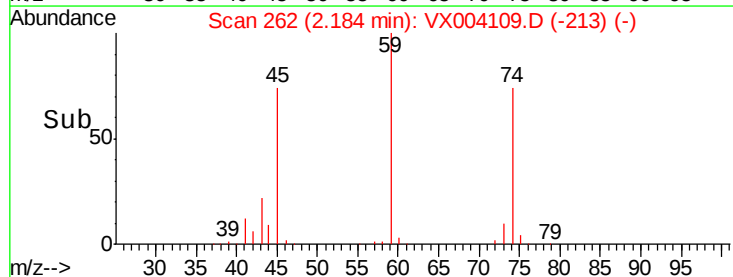
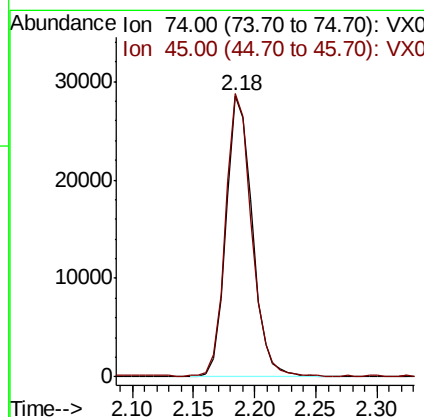
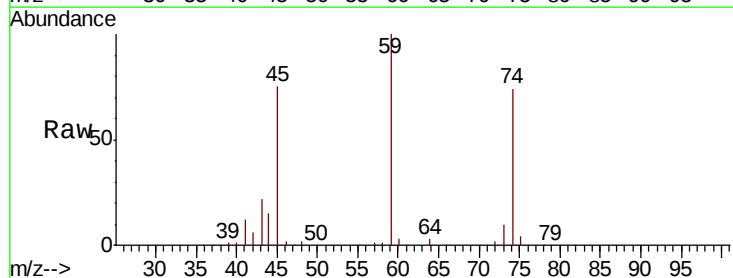
Manual Integrations
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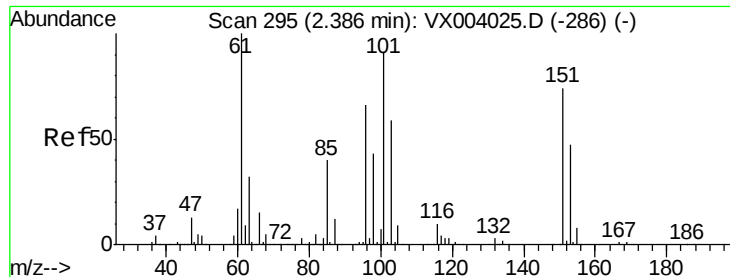
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 8/16/2018 4:40:13 PM



#8
 Diethyl Ether
 Concen: 20.42 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42363		
45	99.9	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.67 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

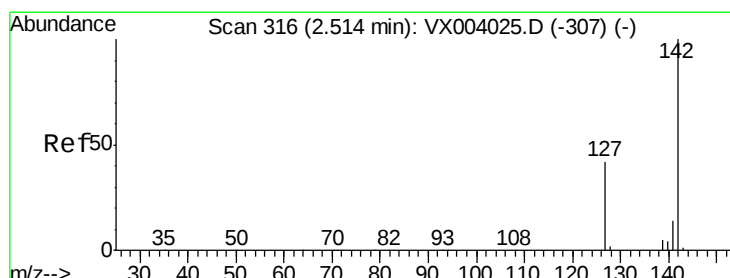
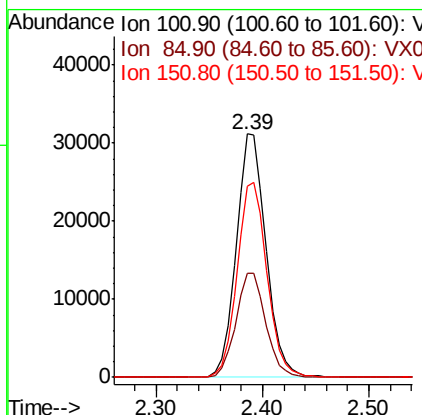
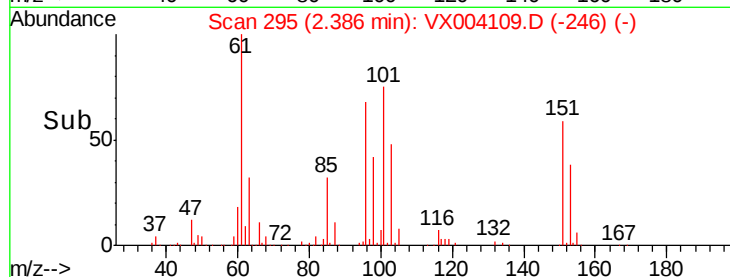
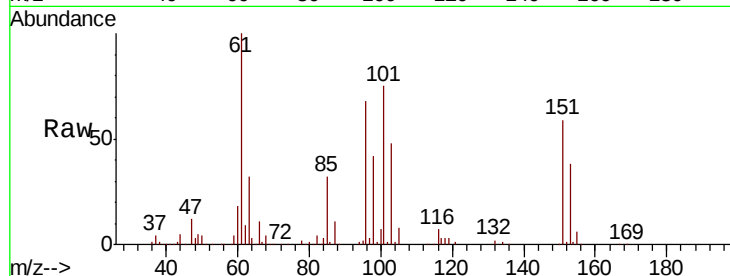
ClientSampleId :

VX0815WBSD02

Tot Ion:	101	Resp:	61284
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	80.2	65.0	97.4

Manual Integrations
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8/16/2018 4:40:13 PM



#10

Methyl Iodide

Concen: 20.85 ug/l

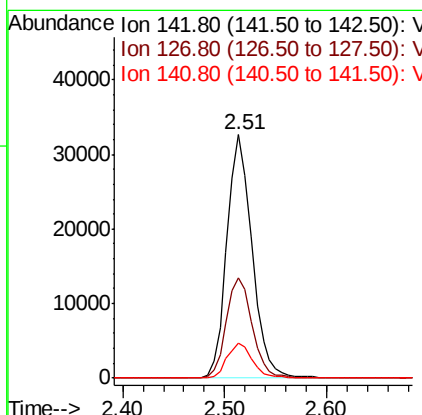
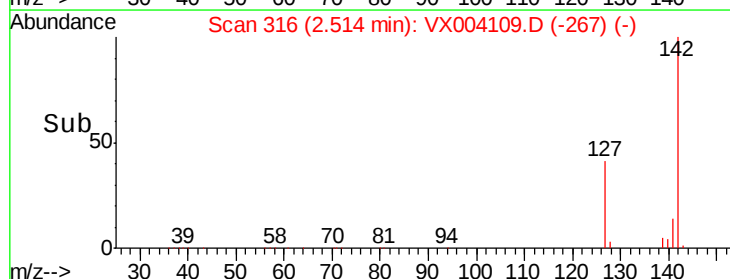
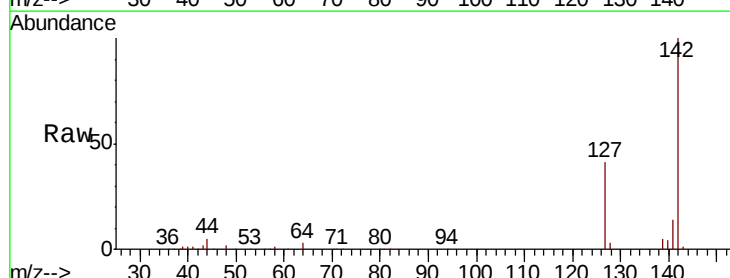
RT: 2.51 min Scan# 316

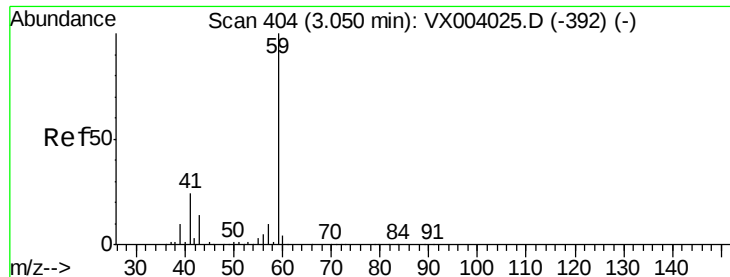
Delta R.T. 0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	142	Resp:	55727
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.1	49.7
141	14.5	11.1	16.7





#11

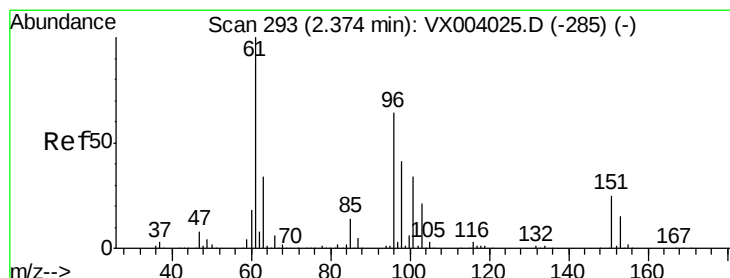
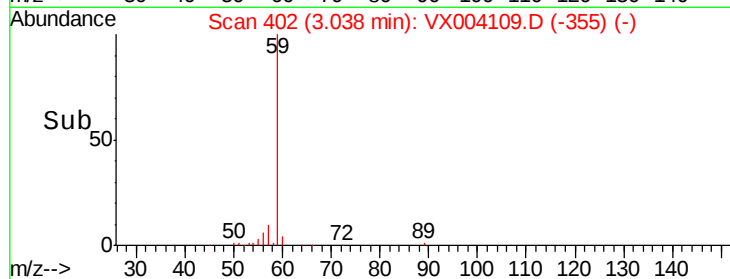
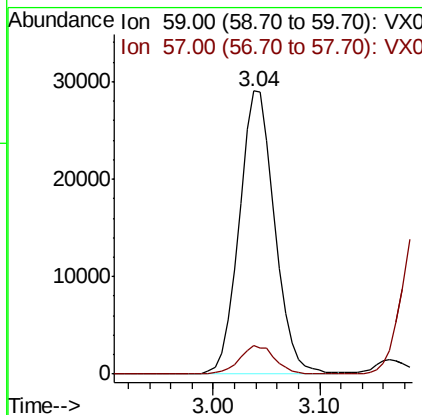
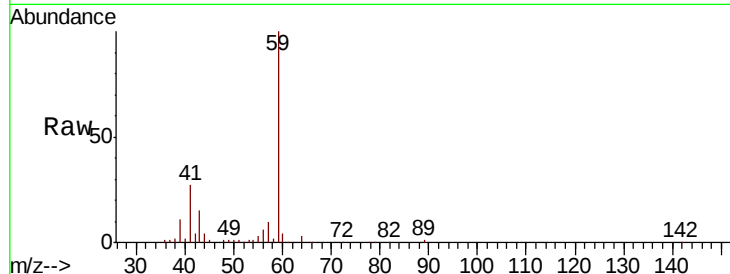
Tert butyl alcohol
 Concen: 91.36 ug/l
 RT: 3.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

Manual Integrations
 APPROVED

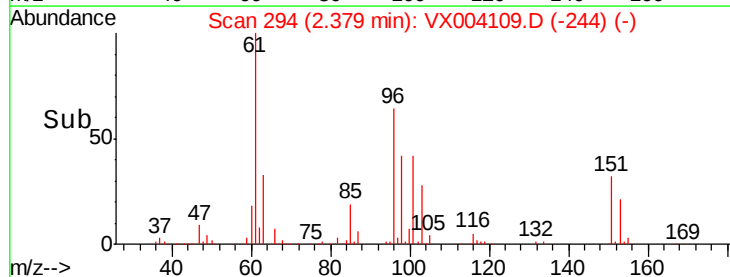
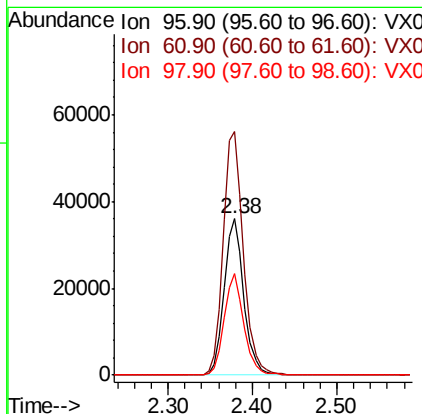
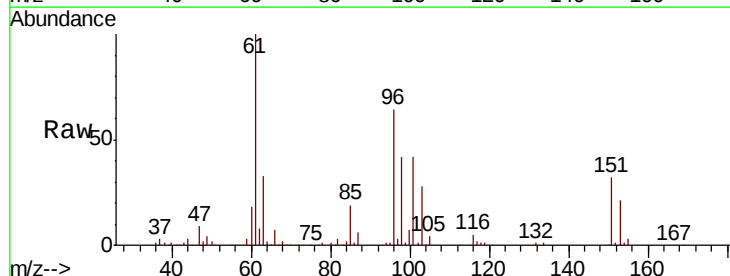
MMDadoda
 8/16/2018 4:40:13 PM

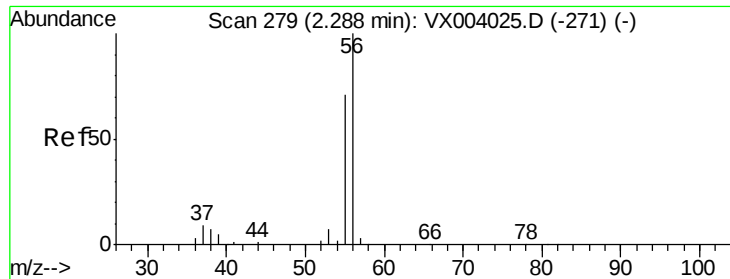


#12

1,1-Dichloroethene
 Concen: 21.03 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	131.3	196.9
98	65.3	51.8	77.6





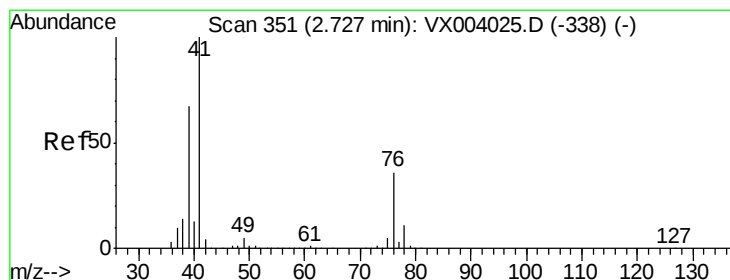
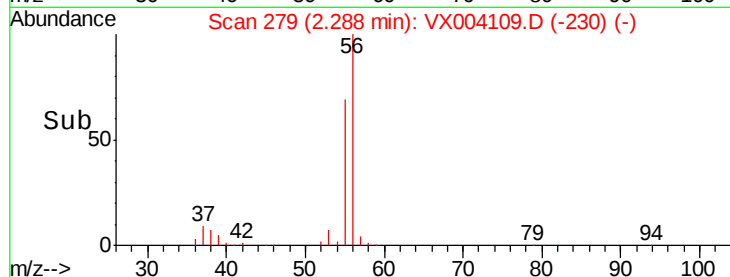
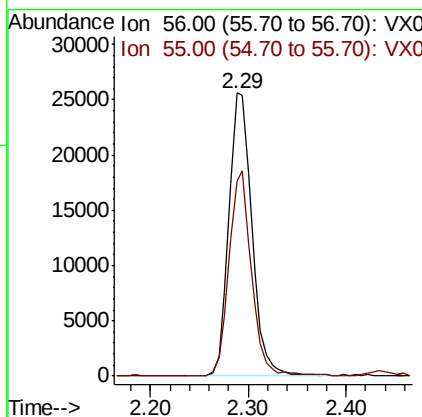
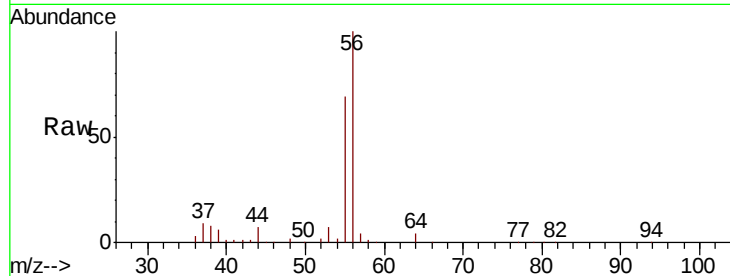
#13
Acrolein
Concen: 90.85 ug/l
RT: 2.29 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
42156	100	69.8		56.1	84.1

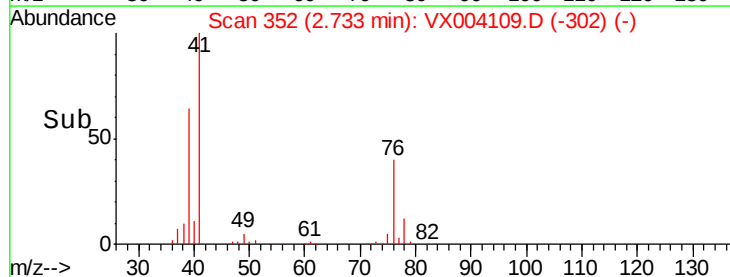
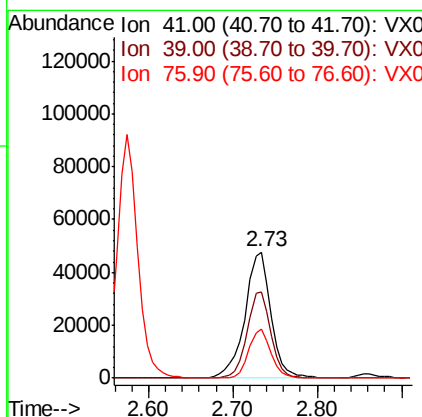
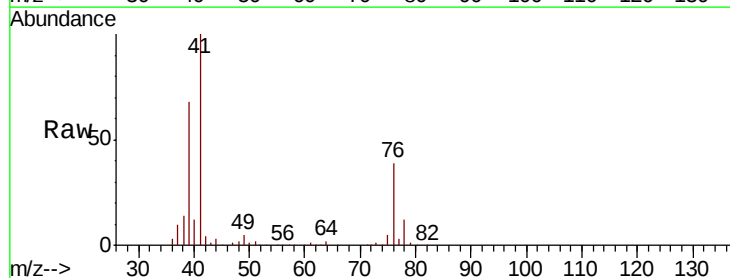
Manual Integrations
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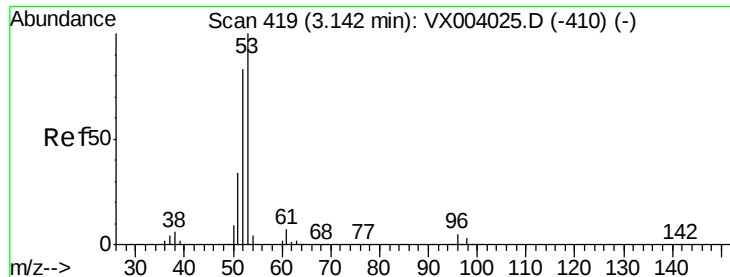
MMDadoda
8/16/2018 4:40:13 PM



#14
Allyl chloride
Concen: 18.83 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	41	39	76	Ratio	Lower	Upper
98765	100	61.9	32.7		47.4	71.0
					26.0	39.0





#15

Acrylonitrile

Concen: 103.53 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

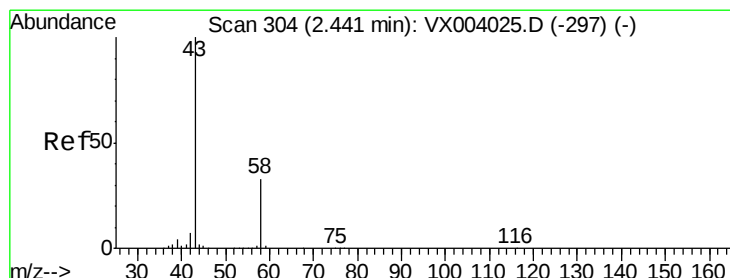
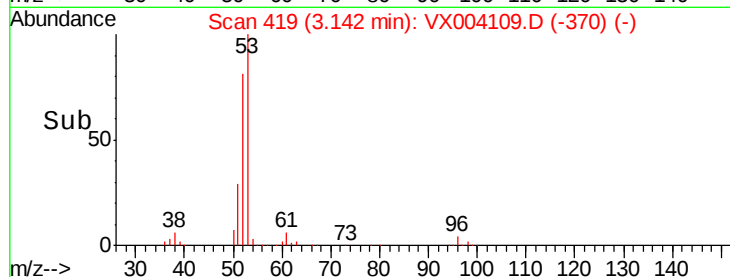
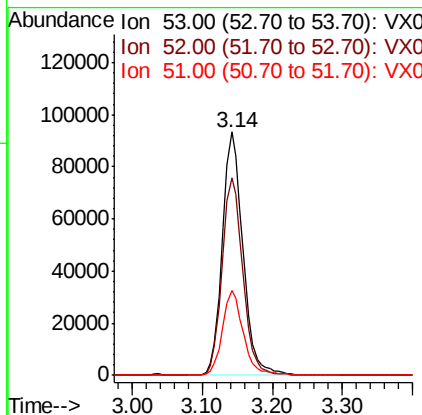
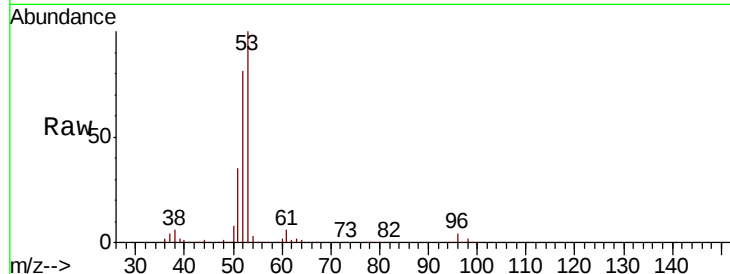
ClientSampleId :

VX0815WBSD02

Tot Ion:	53	Resp:	191939
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.3	97.9
51	35.2	27.9	41.9

Manual Integrations
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8/16/2018 4:40:13 PM



#16

Acetone

Concen: 102.58 ug/l

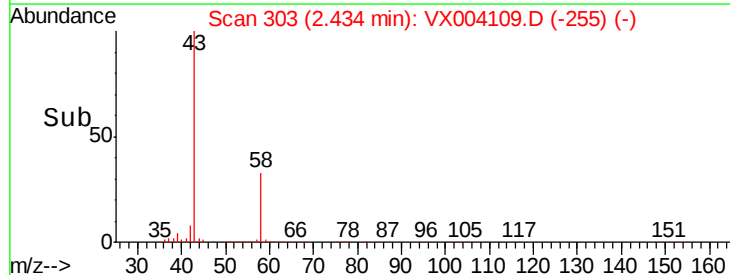
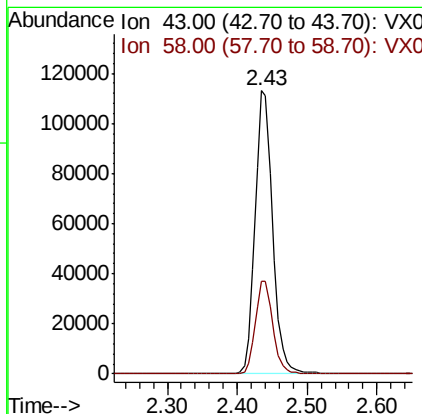
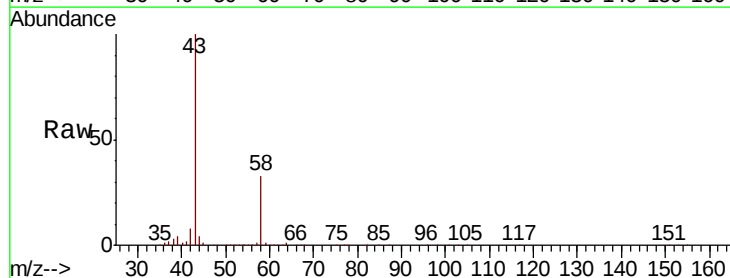
RT: 2.43 min Scan# 303

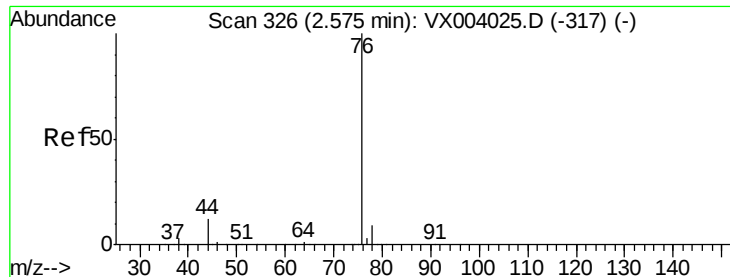
Delta R.T. -0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	43	Resp:	196921
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.4	39.6





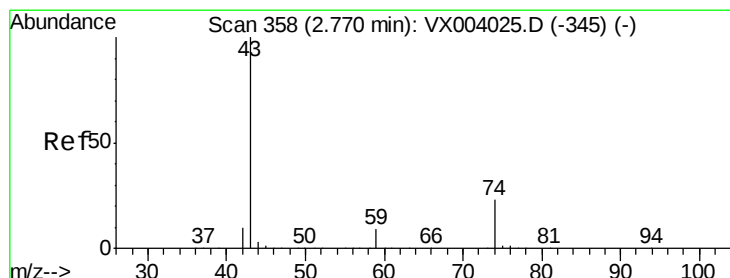
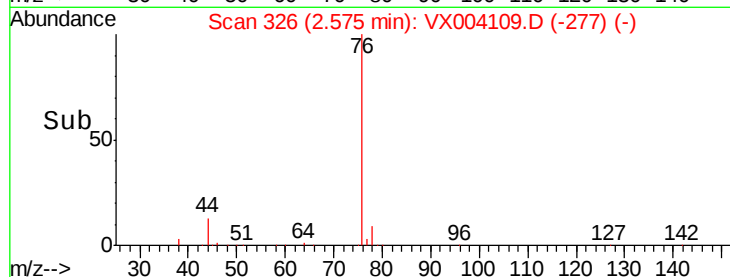
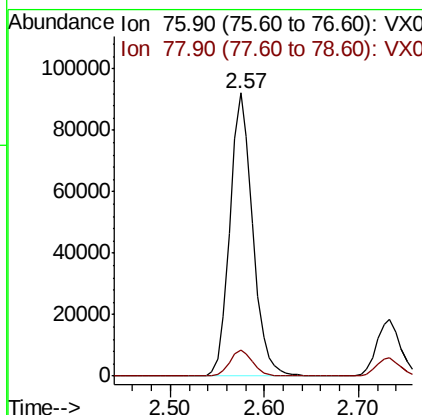
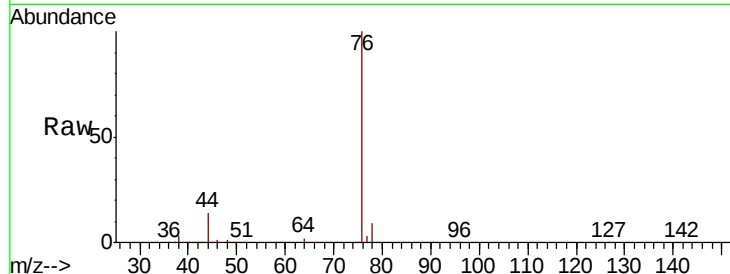
#17
Carbon Disulfide
Concen: 19.79 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

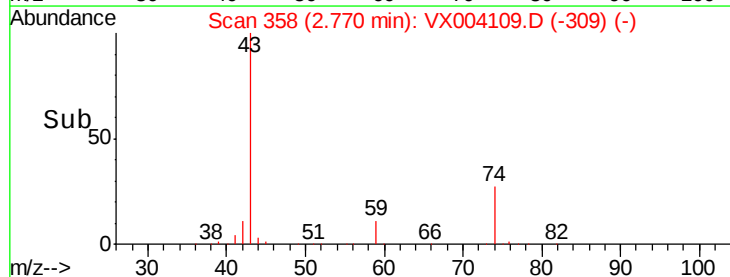
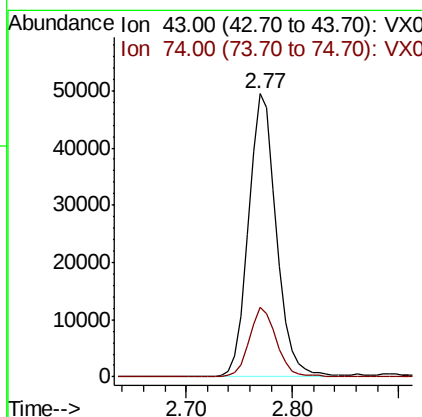
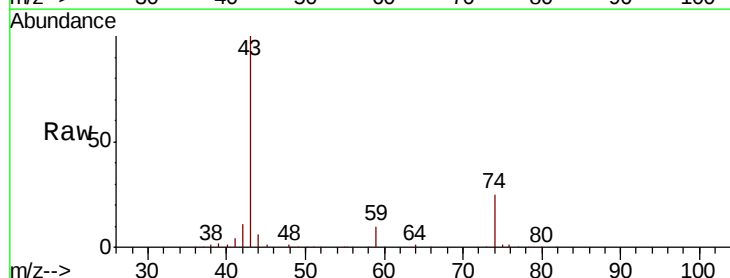
Manual Integrations
APPROVED

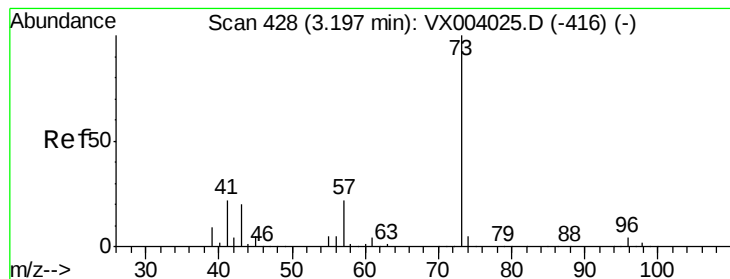
MMDadoda
8/16/2018 4:40:13 PM



#18
Methyl Acetate
Concen: 21.21 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.9	28.3





#19

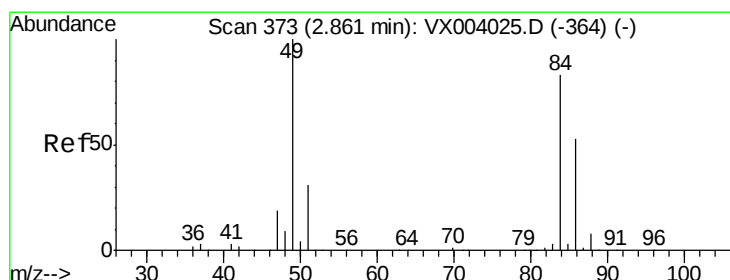
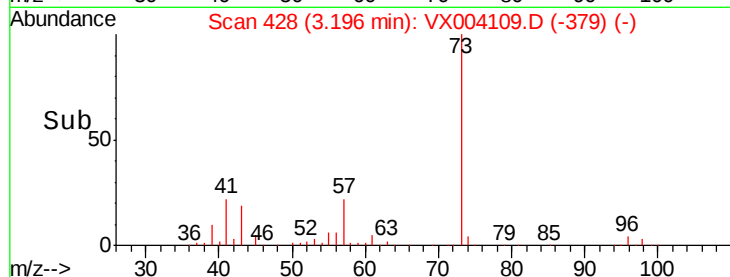
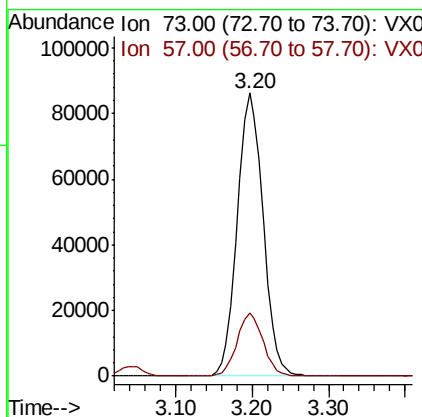
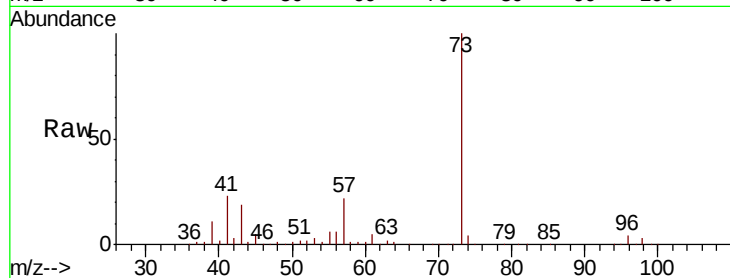
Methyl tert-butyl Ether
 Concen: 20.84 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.0	27.0

Manual Integrations
 APPROVED

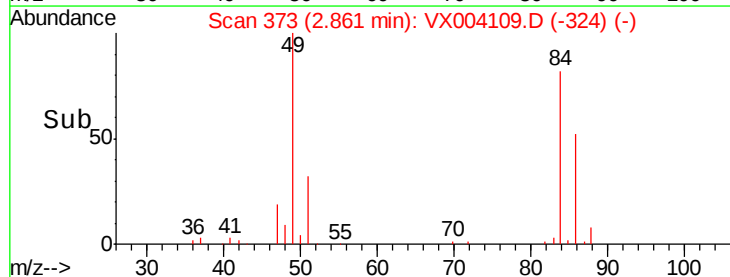
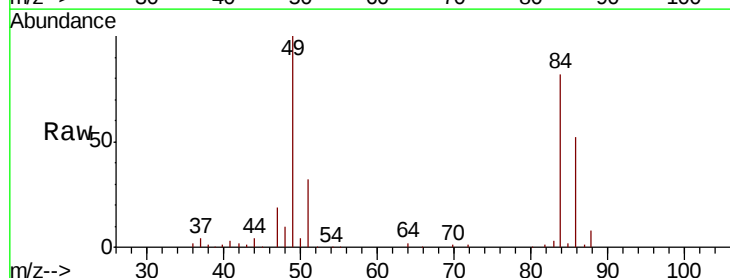
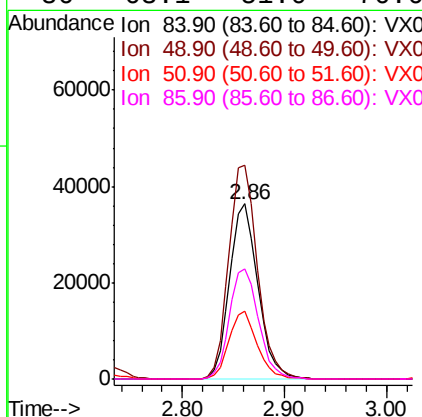
MMDadoda
 8/16/2018 4:40:13 PM

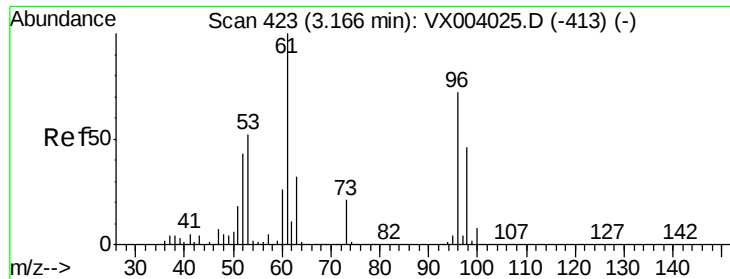


#20

Methylene Chloride
 Concen: 22.00 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	98.9	148.3
51	38.7	29.9	44.9
86	63.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.58 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion: 96 Resp: 64443

Ion Ratio Lower Upper

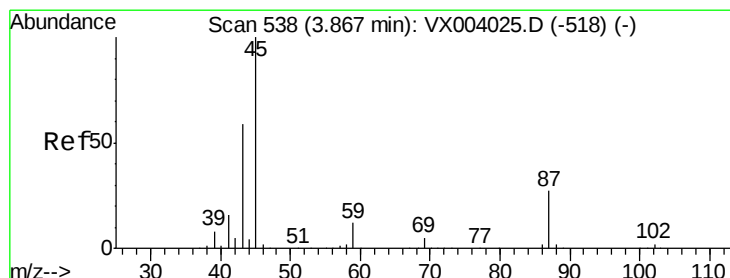
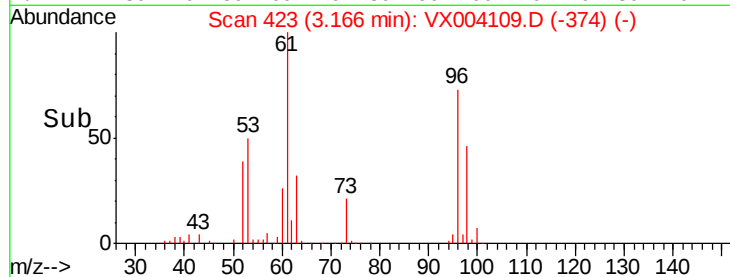
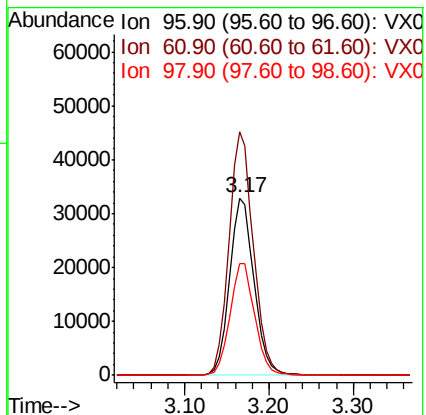
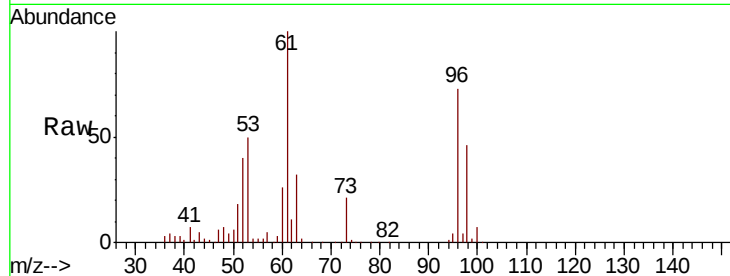
96 100

61 137.3 111.8 167.6

98 63.2 51.8 77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.55 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion: 45 Resp: 211198

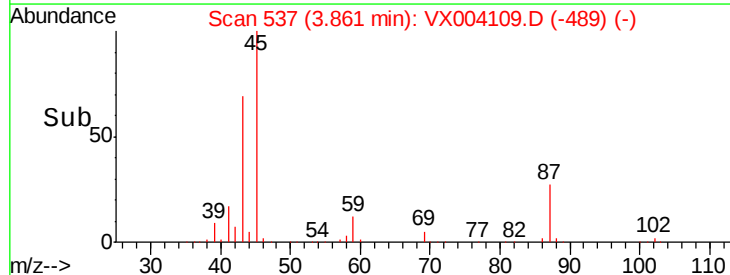
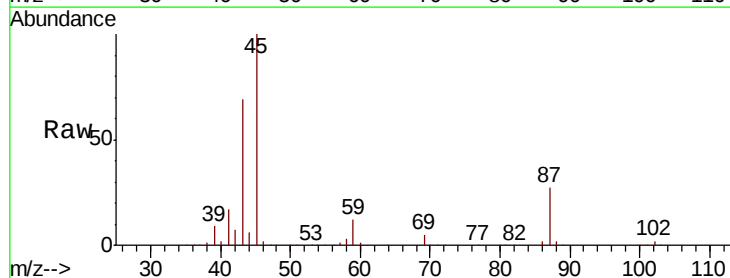
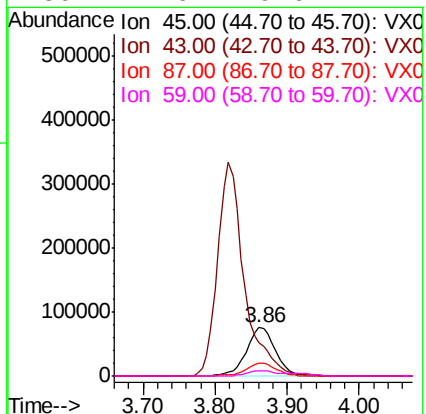
Ion Ratio Lower Upper

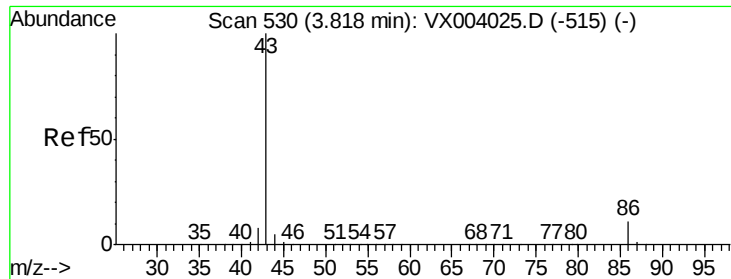
45 100

43 68.7 45.3 67.9#

87 27.1 22.7 34.1

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 102.13 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion: 43 Resp: 862204

Ion Ratio Lower Upper

43 100

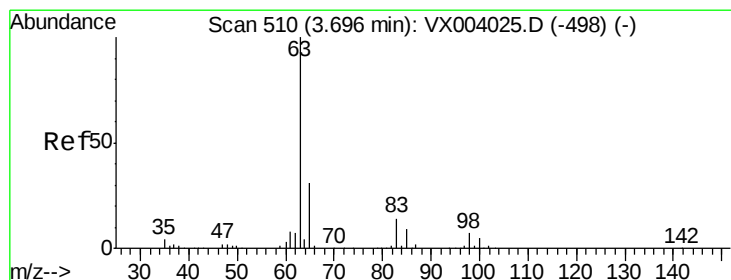
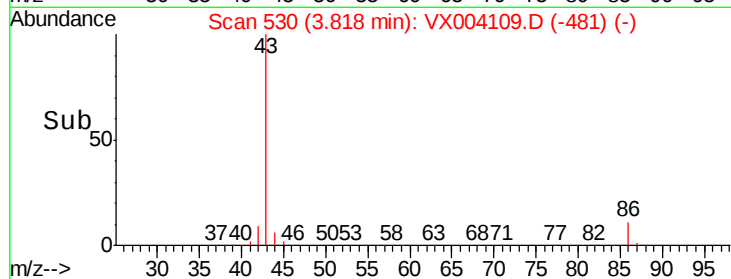
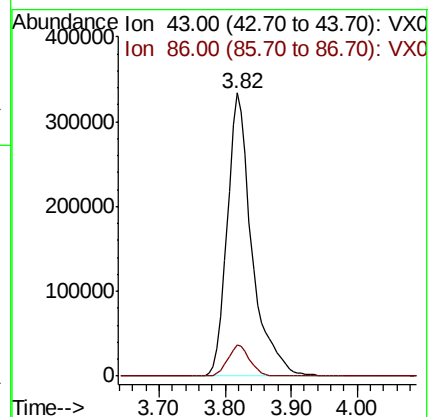
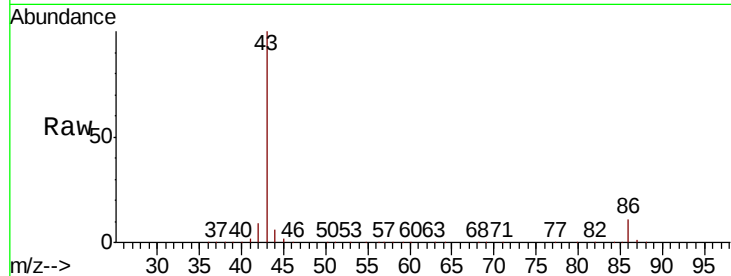
86 10.9 8.9 13.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.90 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

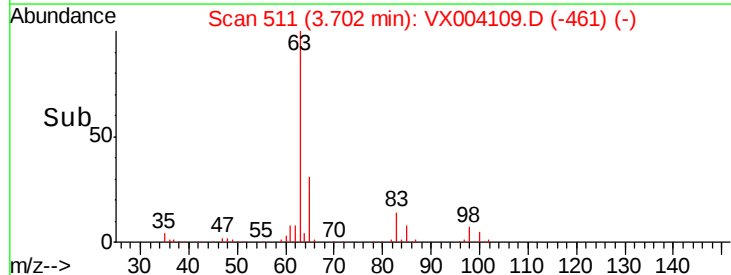
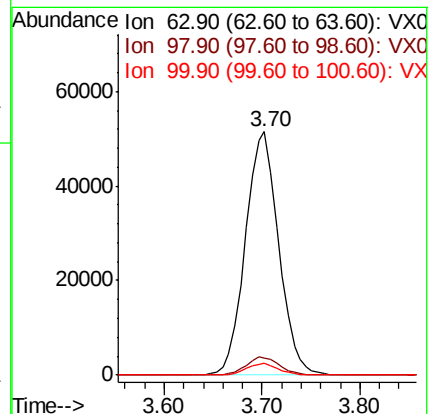
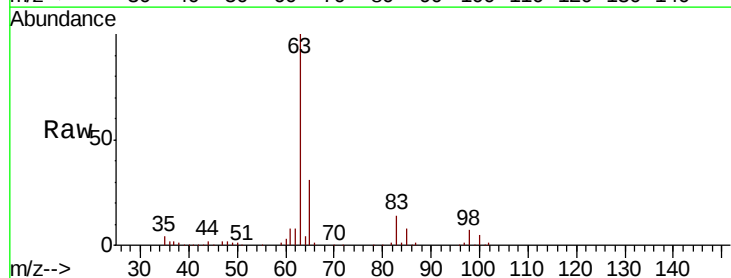
Tgt Ion: 63 Resp: 121657

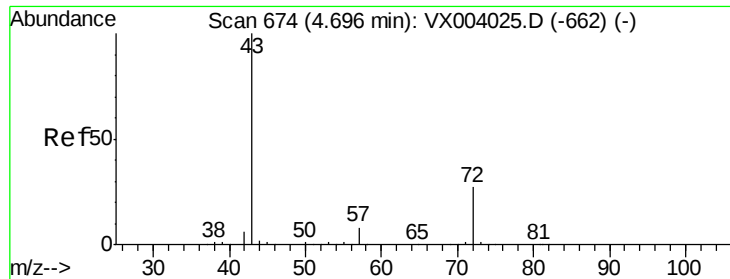
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 100.57 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion: 43 Resp: 314126

Ion Ratio Lower Upper

43 100

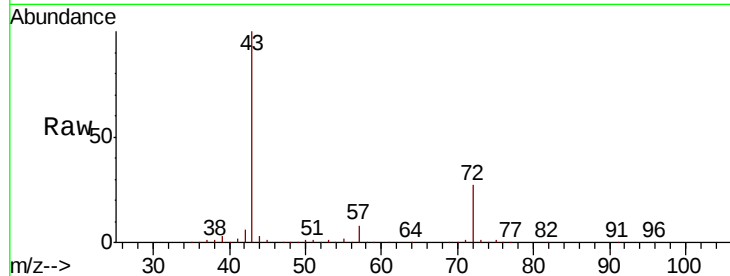
72 26.5 21.4 32.0

Manual Integrations

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MMDadoda

8/16/2018 4:40:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

0

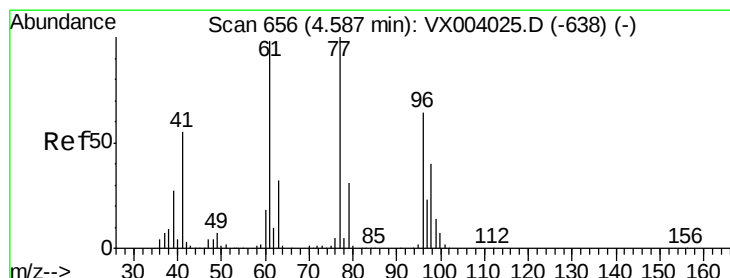
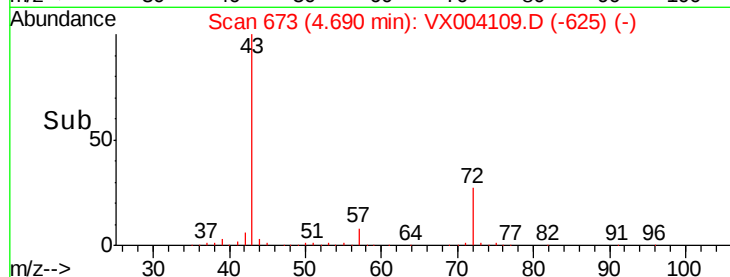
4.69

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 9.10 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004109.D

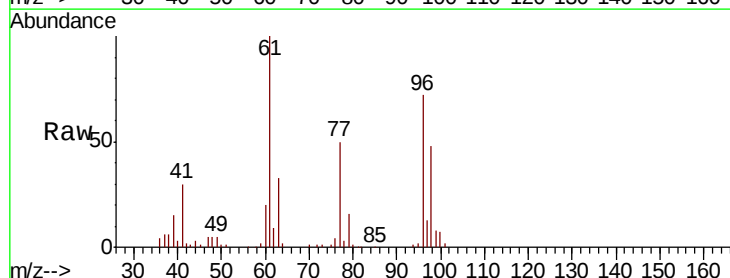
Acq: 16 Aug 2018 08:26

Tgt Ion: 77 Resp: 42108

Ion Ratio Lower Upper

77 100

97 26.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

15000

10000

5000

0

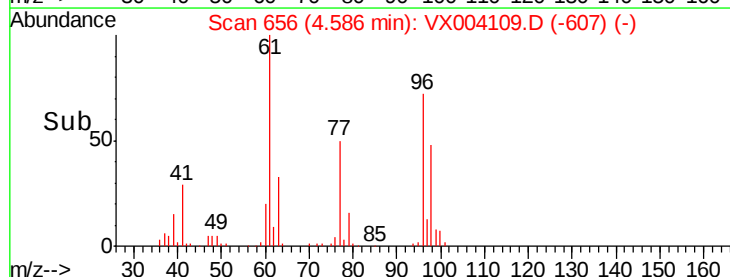
4.59

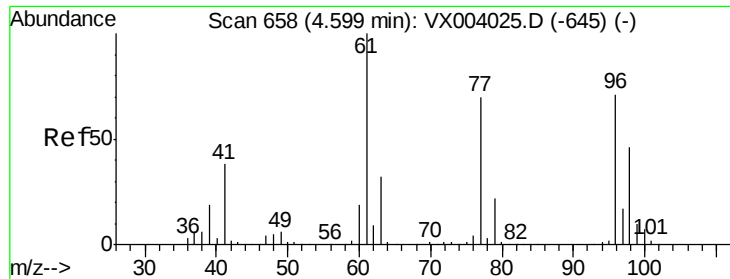
4.50

4.60

4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.86 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

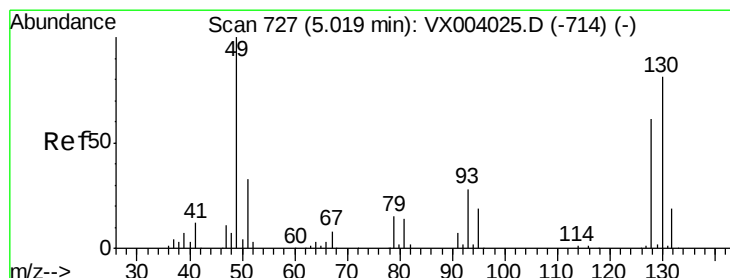
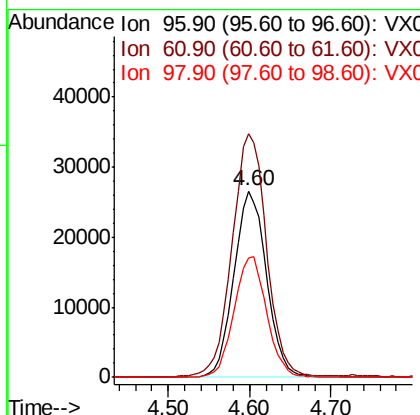
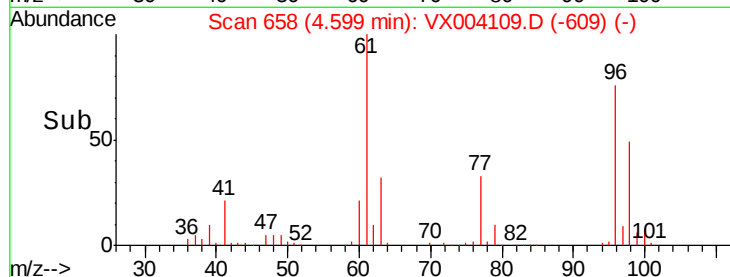
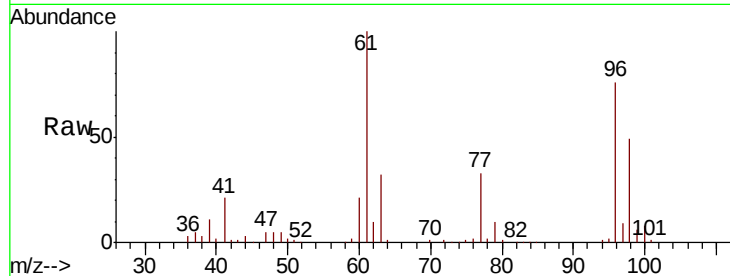
ClientSampleId :

VX0815WBSD02

Tot Ion:	96	Resp:	73444
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	293.0
98	64.8	0.0	131.8

Manual Integrations
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#28

Bromochloromethane

Concen: 22.53 ug/l

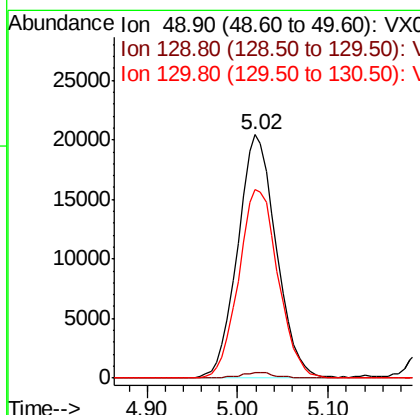
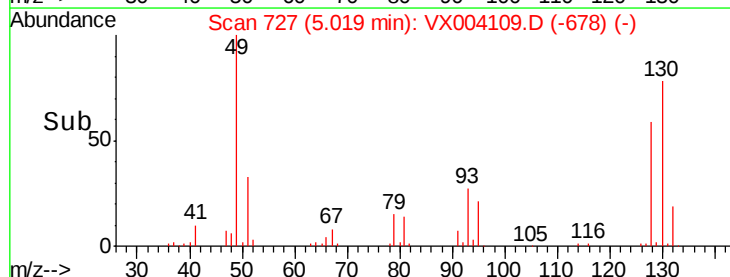
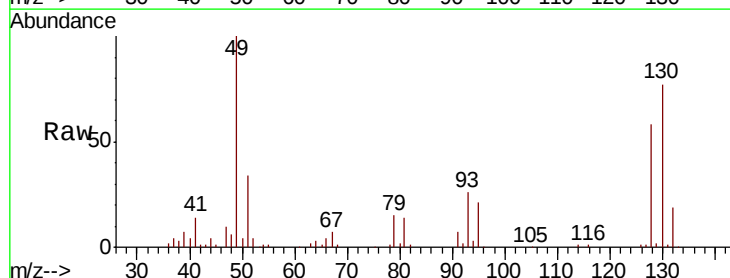
RT: 5.02 min Scan# 727

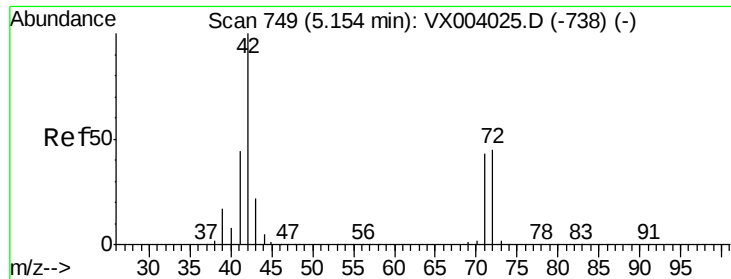
Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	49	Resp:	60193
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	79.0	66.5	99.7





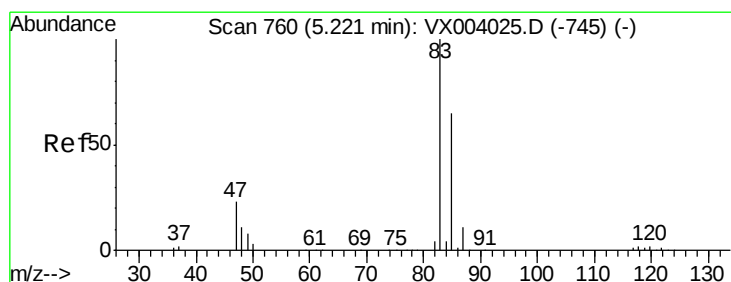
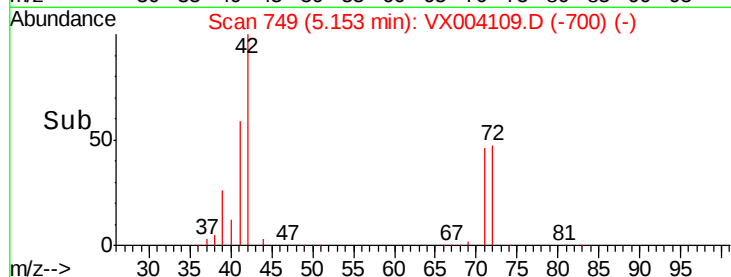
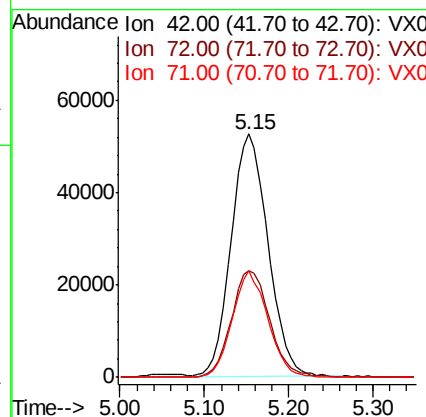
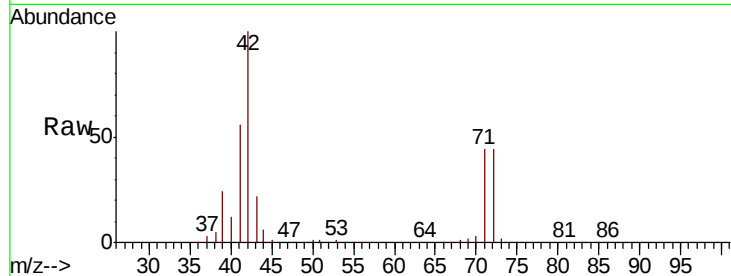
#29
Tetrahydrofuran
Concen: 98.07 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.7	56.5
71	42.3	35.0	52.6

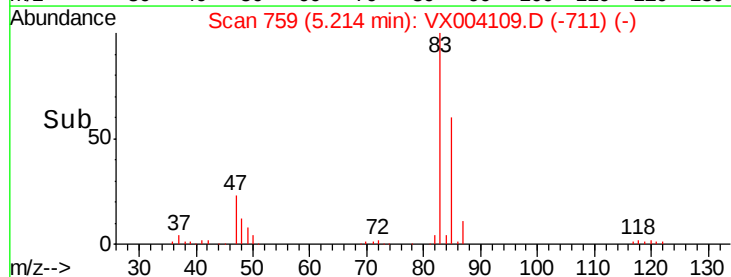
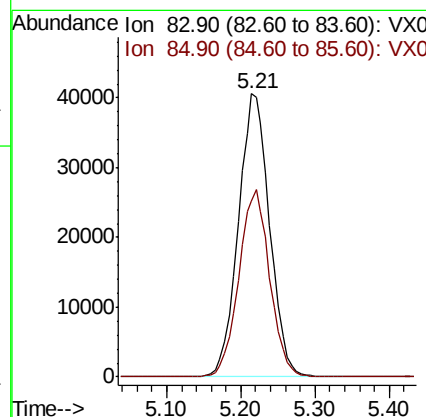
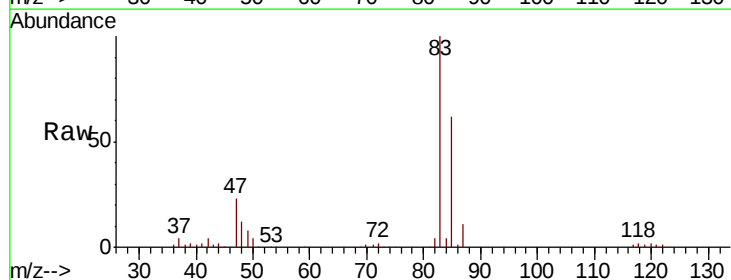
Manual Integrations
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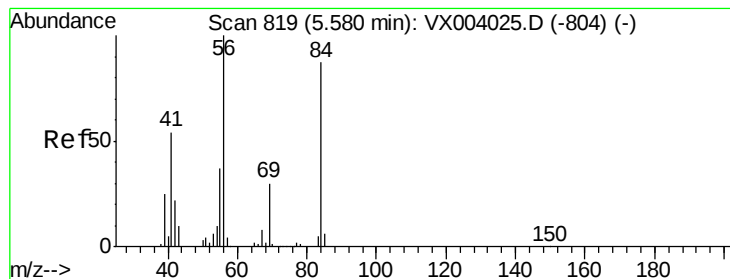
MMDadoda
8/16/2018 4:40:13 PM



#30
Chloroform
Concen: 20.96 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.7	76.1





#31

Cyclohexane

Concen: 20.30 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

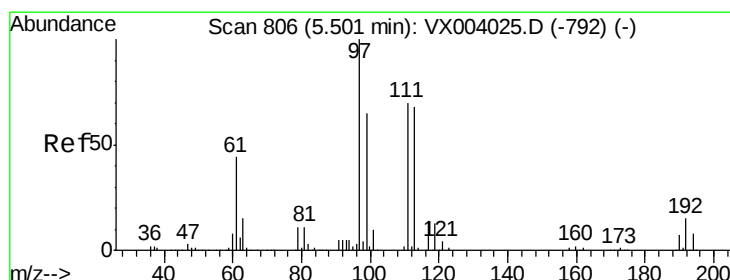
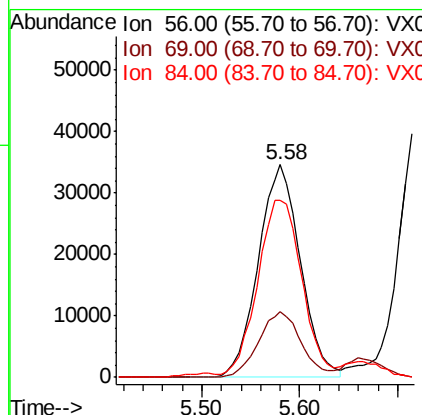
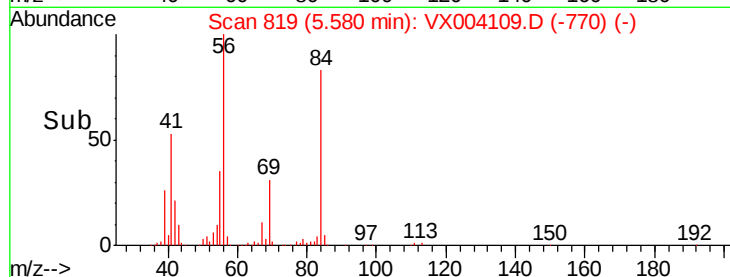
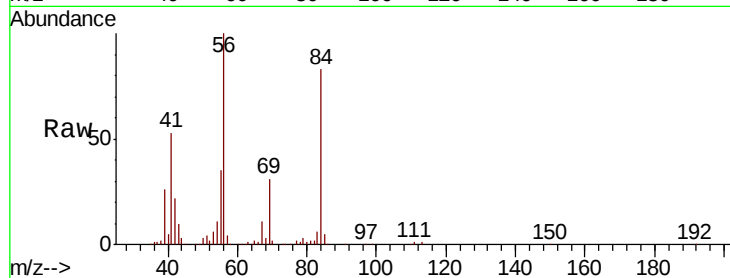
ClientSampleId :

VX0815WBSD02

Tot Ion:	56	Resp:	103612
Ion Ratio	Lower	Upper	
56	100		
69	30.8	24.9	37.3
84	82.2	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.07 ug/l

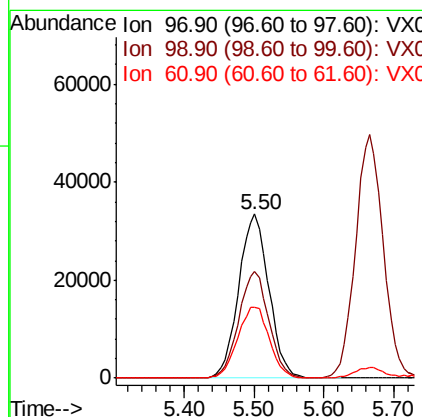
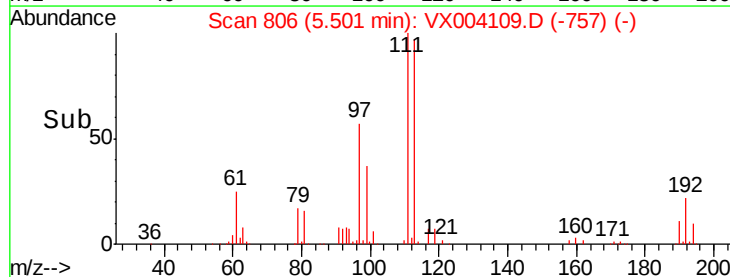
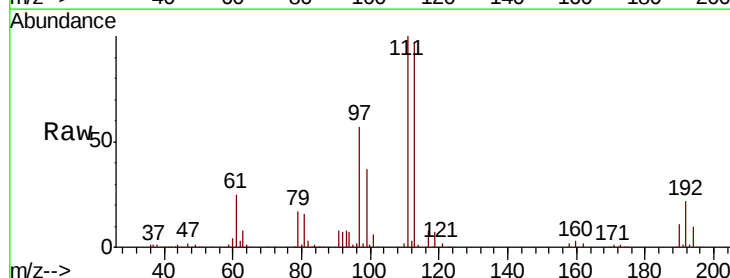
RT: 5.50 min Scan# 806

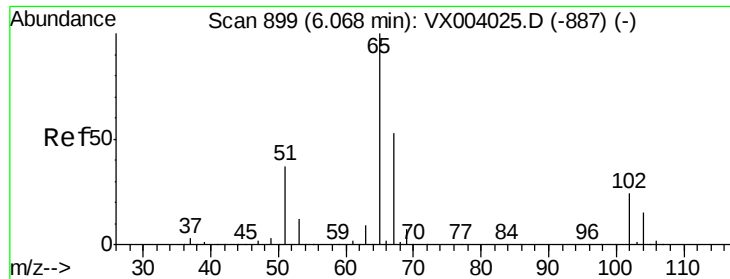
Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	97	Resp:	100059
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.8	77.8
61	45.7	34.4	51.6





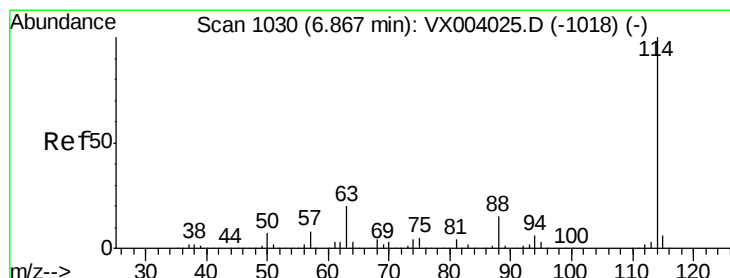
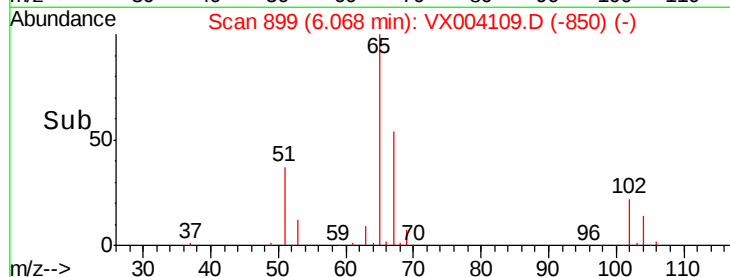
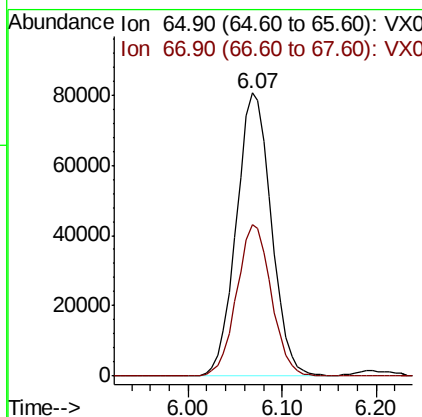
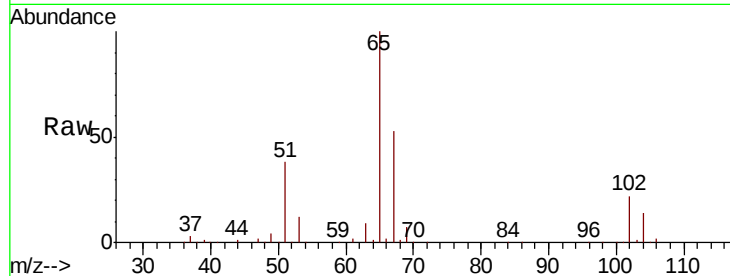
#33
 1,2-Dichloroethane-d4
 Concen: 56.68 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209288		
67	53.0	0.0	105.8	

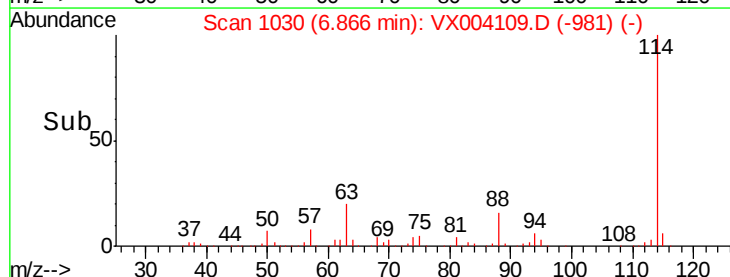
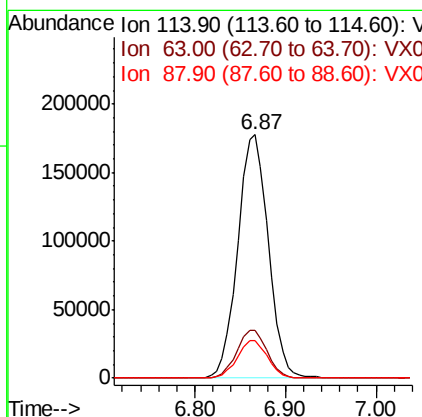
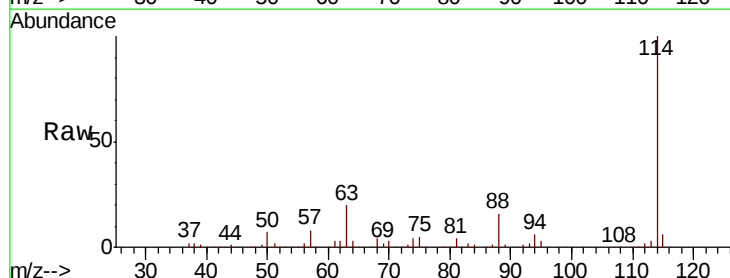
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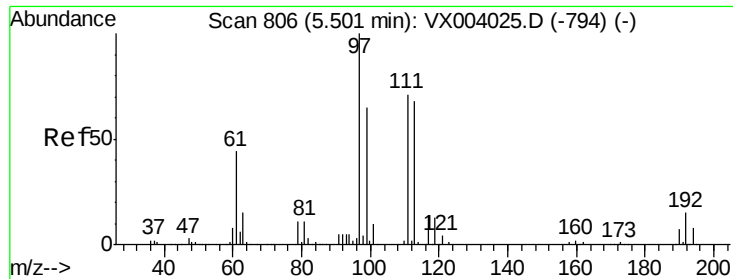
MMDadoda
 8/16/2018 4:40:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414693		
63	19.8	0.0	39.0	
88	15.6	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.31 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

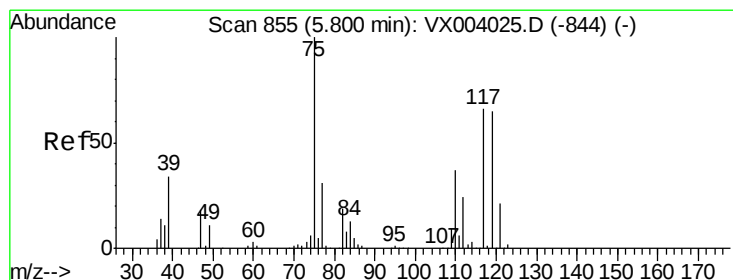
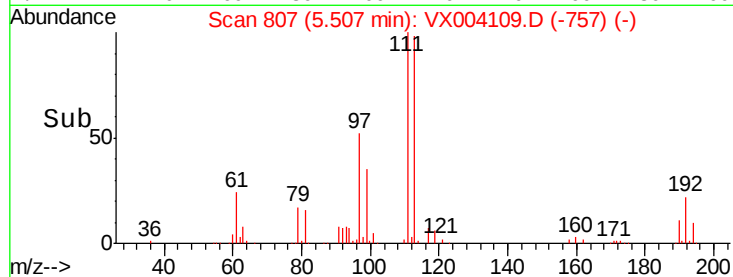
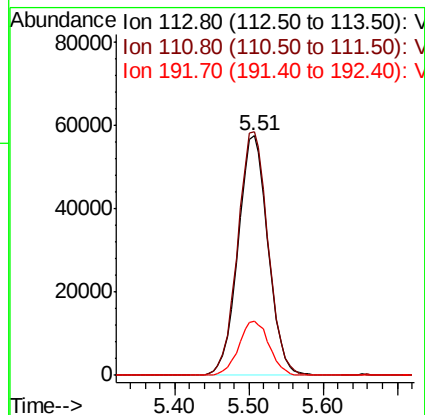
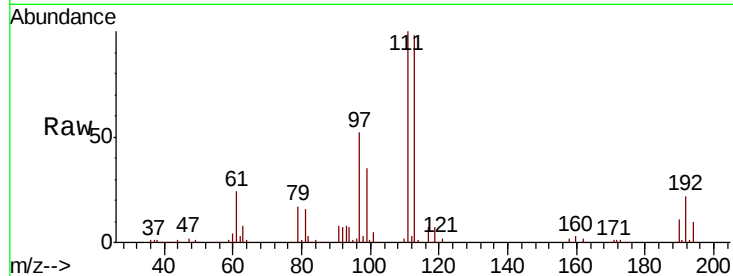
ClientSampleId :

VX0815WBSD02

Tot Ion:	113	Resp:	162346
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	22.9	19.0	28.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.62 ug/l

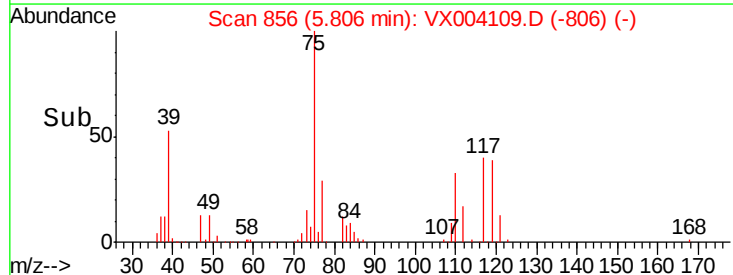
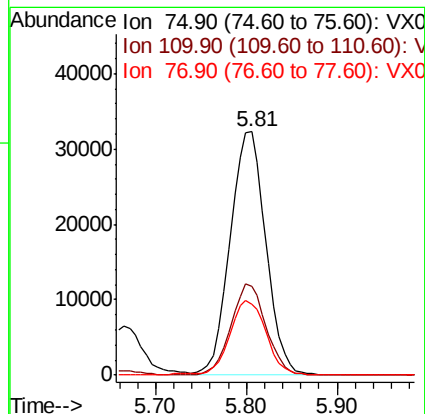
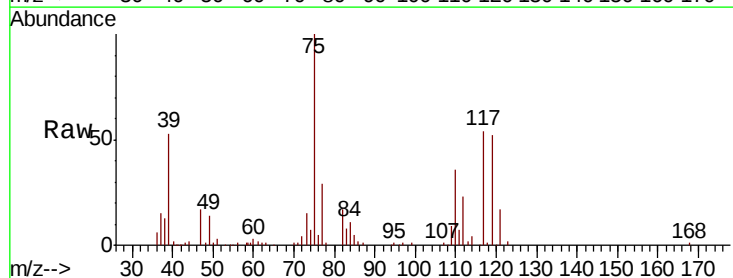
RT: 5.81 min Scan# 856

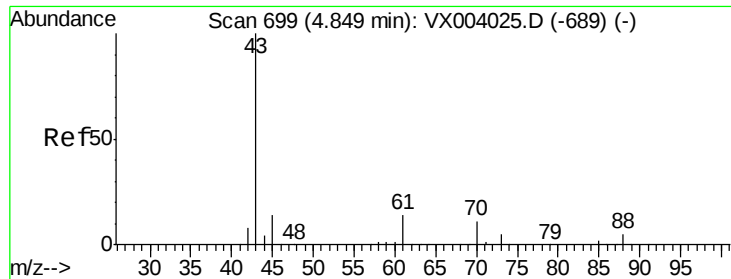
Delta R.T. 0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	75	Resp:	87865
Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.2	54.6
77	31.1	25.0	37.4





#37

Ethyl Acetate

Concen: 18.79 ug/l

RT: 4.85 min Scan# 699

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

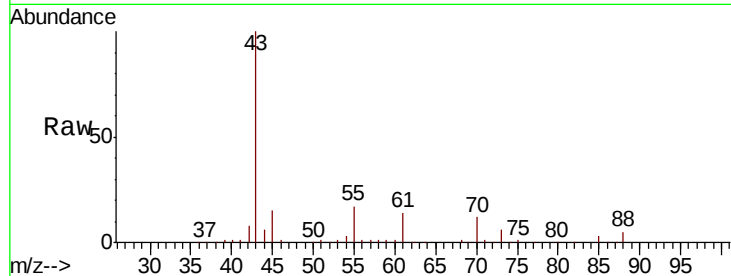
ClientSampleId :

VX0815WBSD02

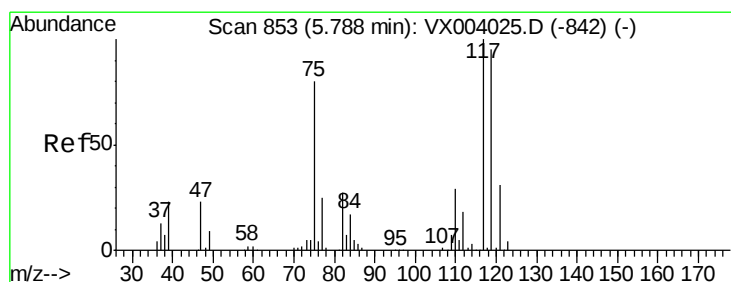
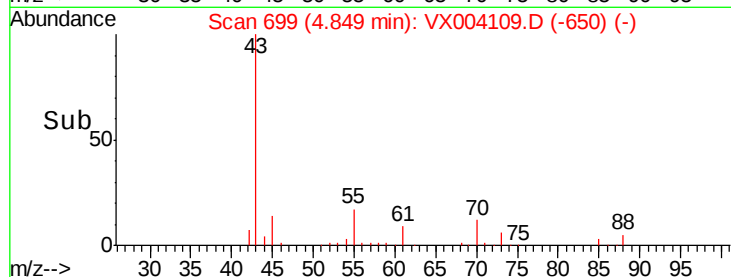
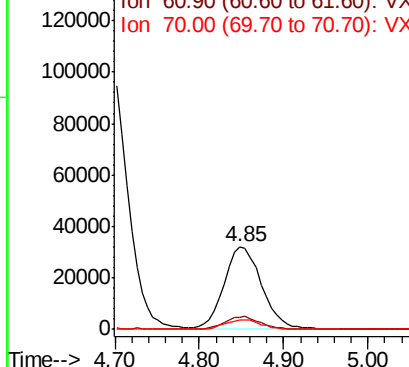
Tot Ion:	43	Resp:	96562
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	11.4	9.0	13.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.05 ug/l

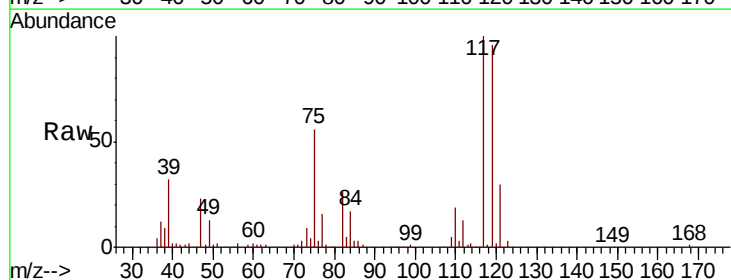
RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

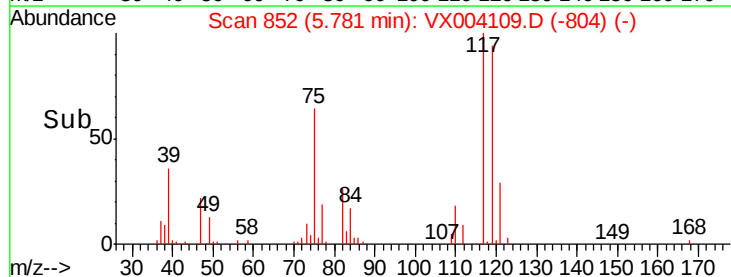
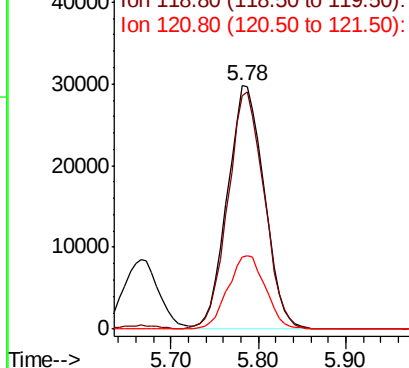
Lab File: VX004109.D

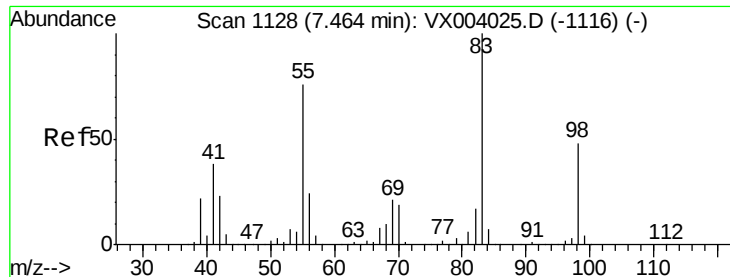
Acq: 16 Aug 2018 08:26

Tgt Ion:	117	Resp:	87334
Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.5	119.3
121	29.5	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





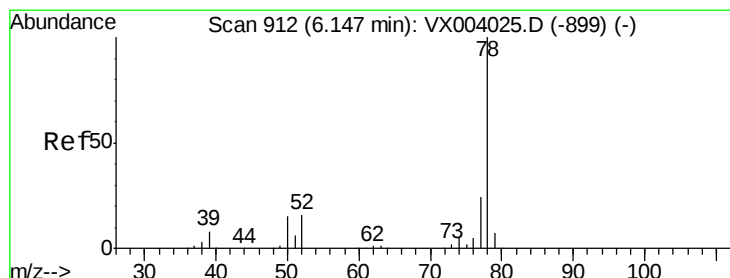
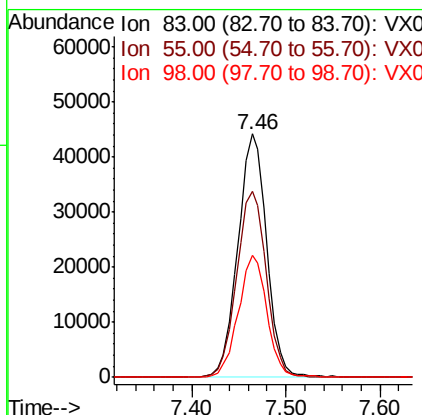
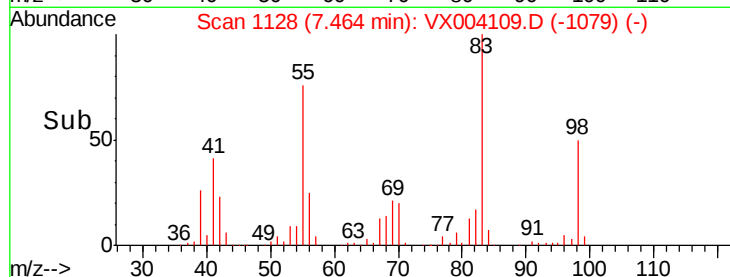
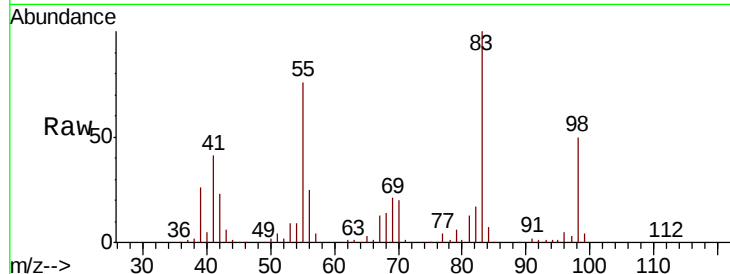
#39
Methvlcvclohexane
Concen: 17.65 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	50.2	38.6	57.8

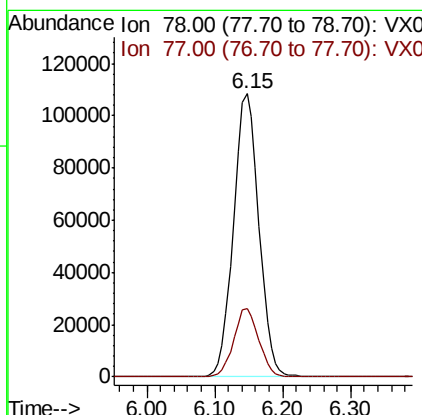
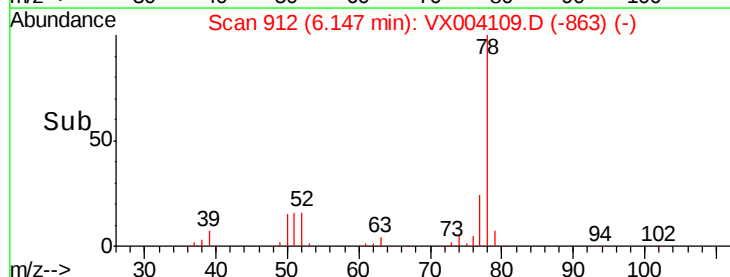
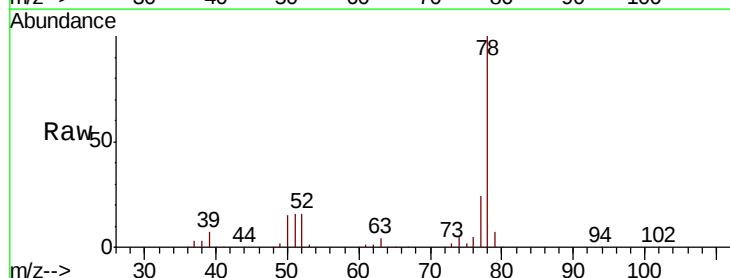
Manual Integrations
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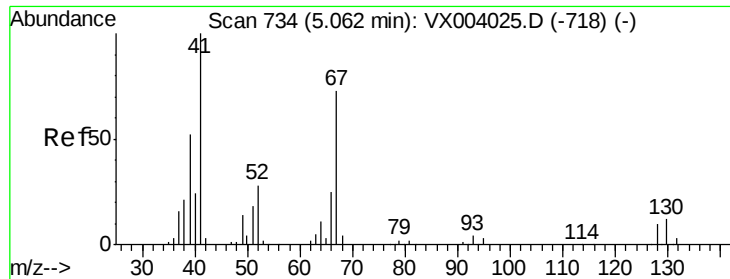
MMDadoda
8/16/2018 4:40:13 PM



#40
Benzene
Concen: 19.87 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 18.71 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

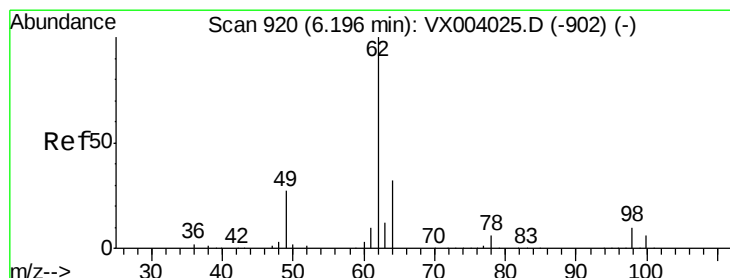
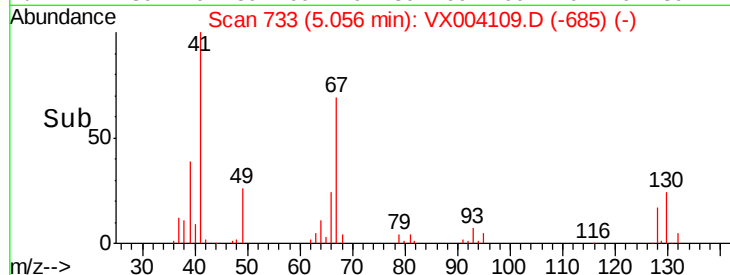
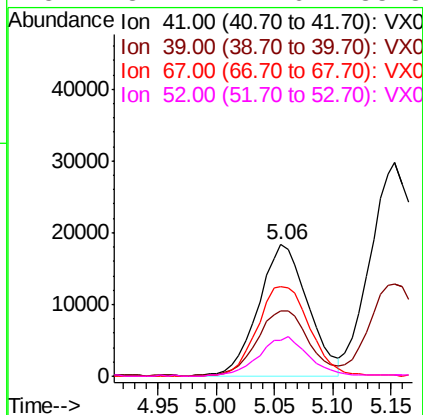
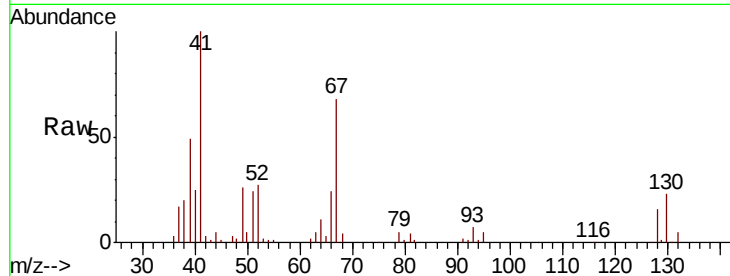
ClientSampleId :

VX0815WBSD02

Tot Ion:	41	Resp:	53835
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.7	64.1
67	73.2	58.9	88.3
52	31.4	22.6	33.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.12 ug/l

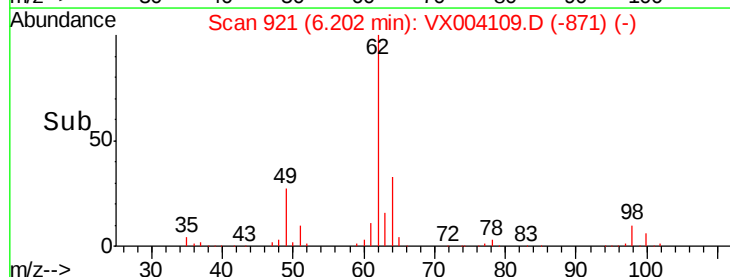
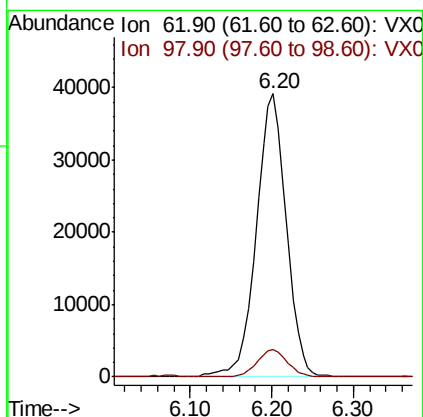
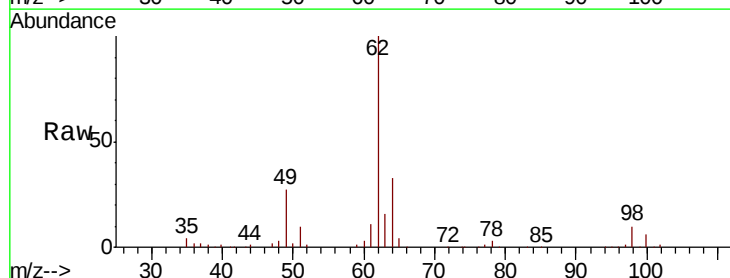
RT: 6.20 min Scan# 921

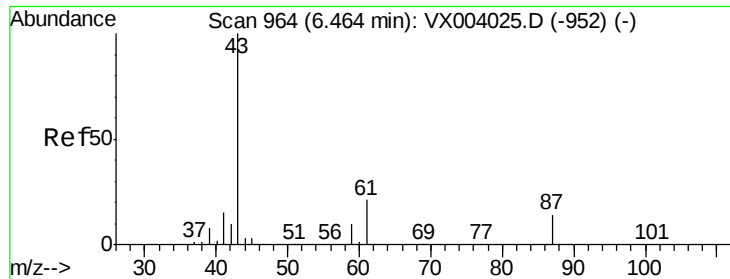
Delta R.T. 0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	62	Resp:	99809
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.4





#43

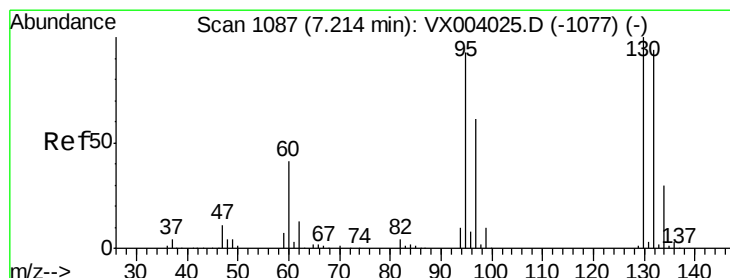
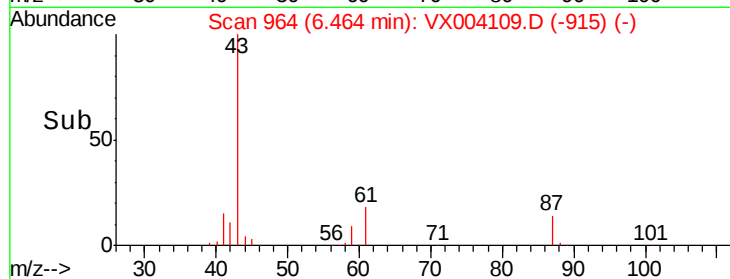
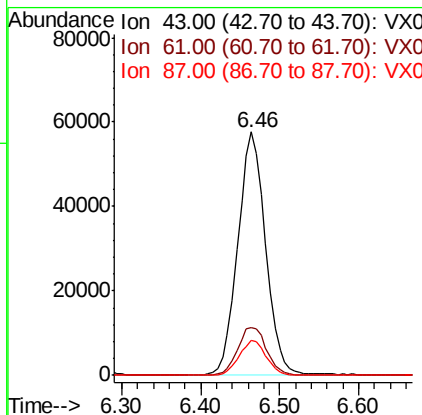
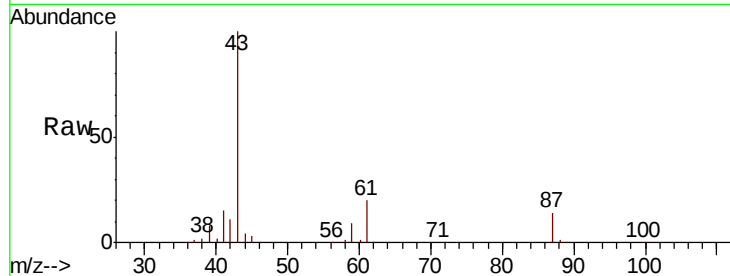
Isopropyl Acetate
 Concen: 18.62 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
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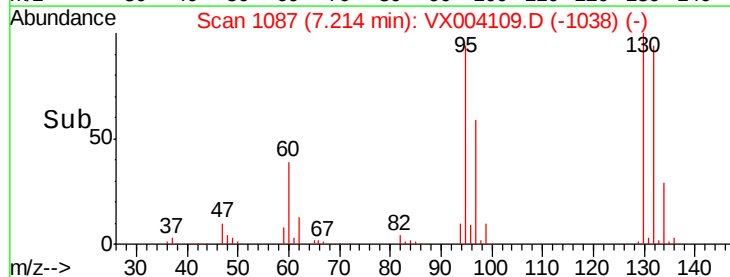
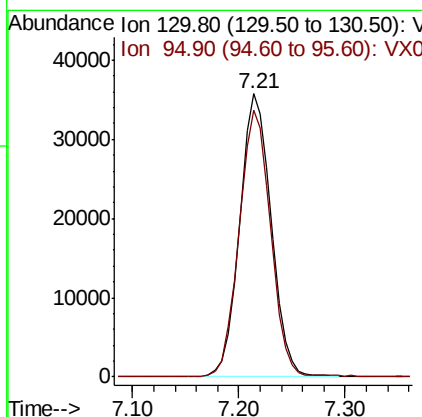
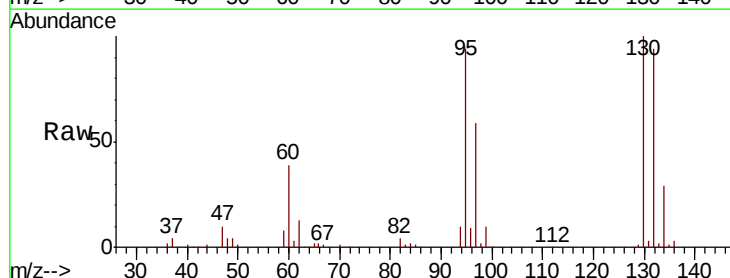
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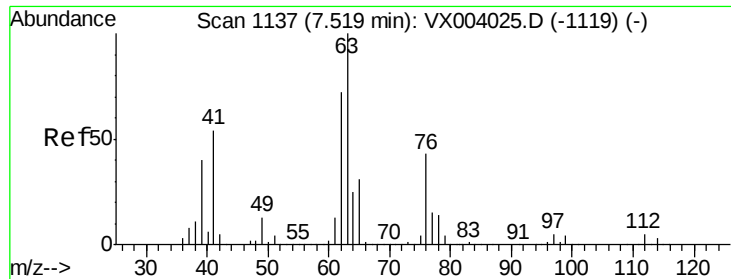


#44

Trichloroethene
 Concen: 19.30 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	199.4





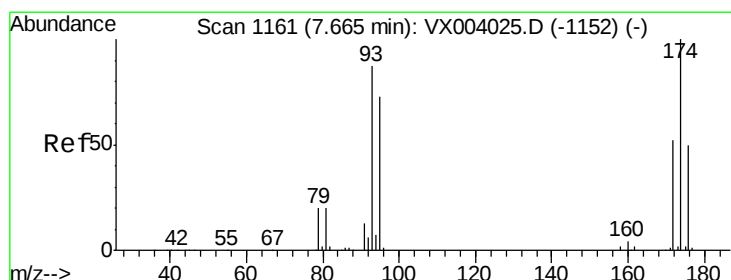
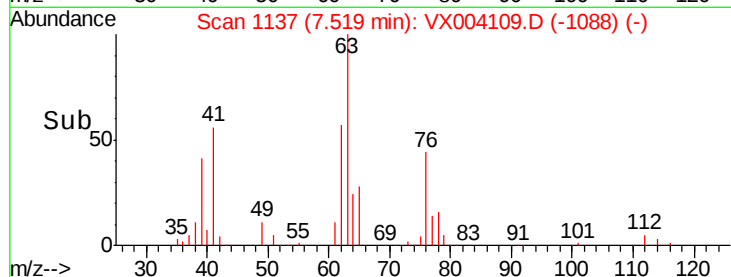
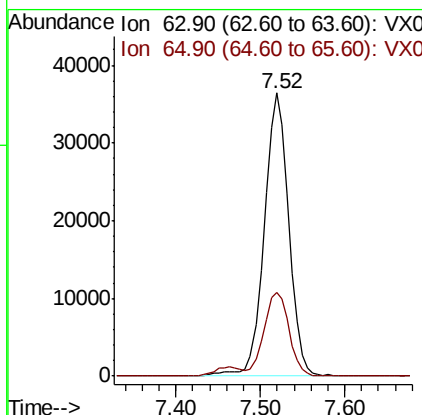
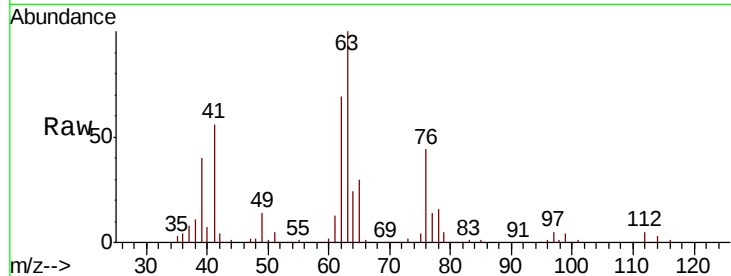
#45
 1,2-Dichloropropane
 Concen: 20.18 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion: 63 Resp: 73215
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 36.8

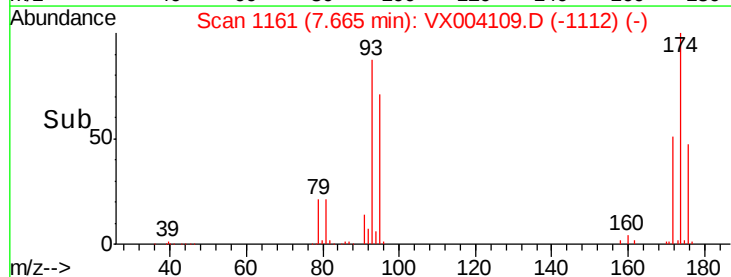
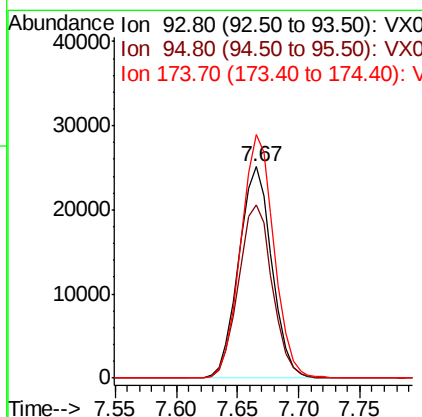
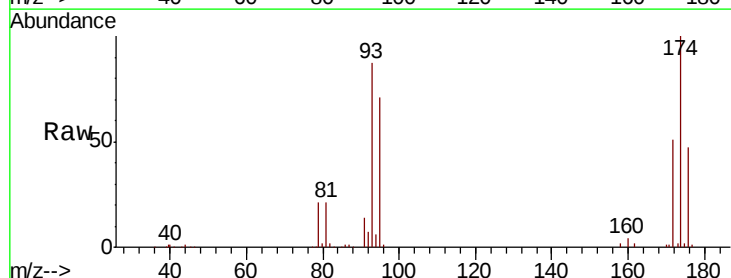
Manual Integrations
 APPROVED

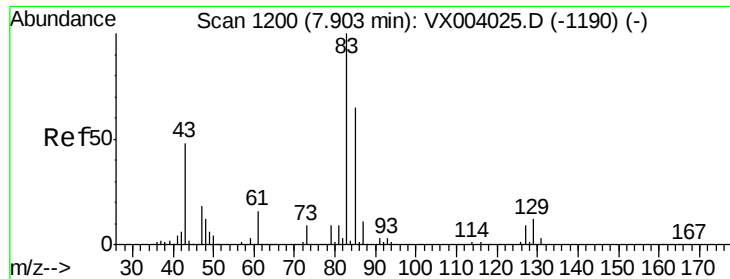
MMDadoda
 8/16/2018 4:40:13 PM



#46
 Dibromomethane
 Concen: 19.91 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion: 93 Resp: 47186
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 115.4 94.3 141.5





#47

Bromodichloromethane

Concen: 19.74 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

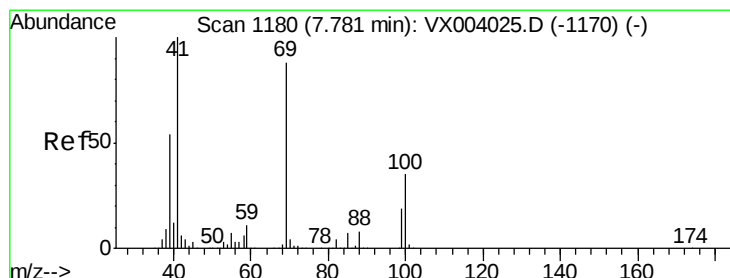
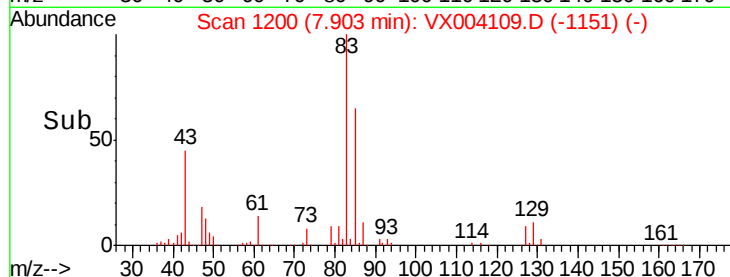
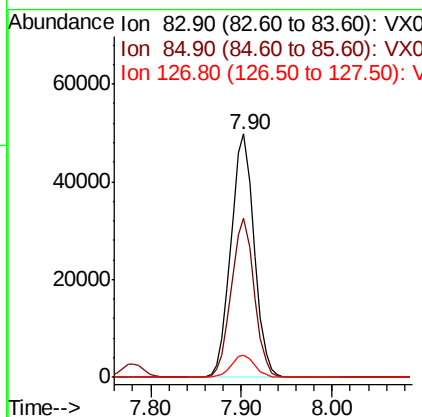
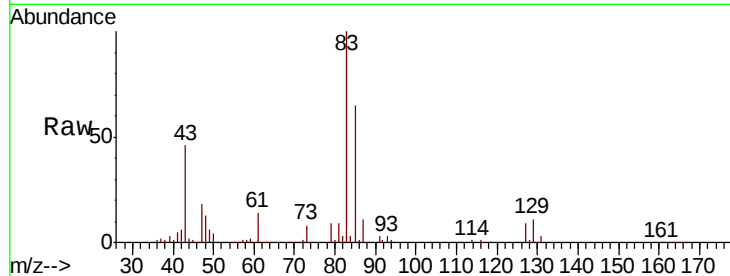
ClientSampleId :

VX0815WBSD02

Tot Ion:	83	Resp:	88624
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.2	76.8
127	8.9	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.17 ug/l

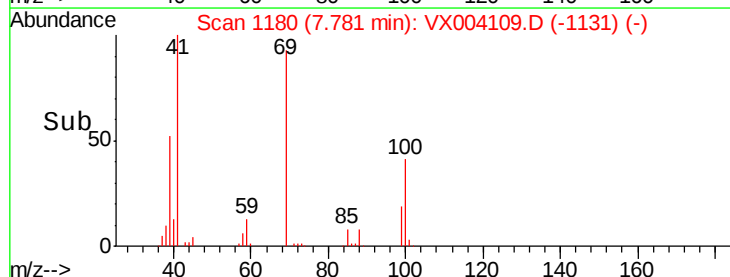
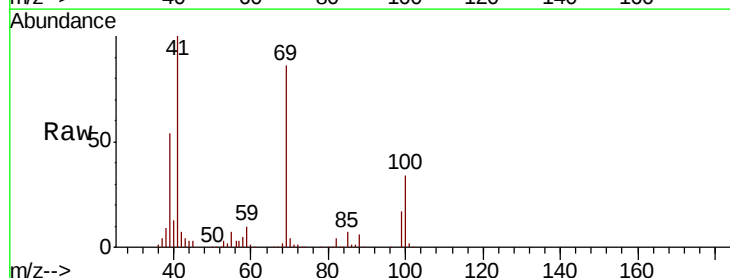
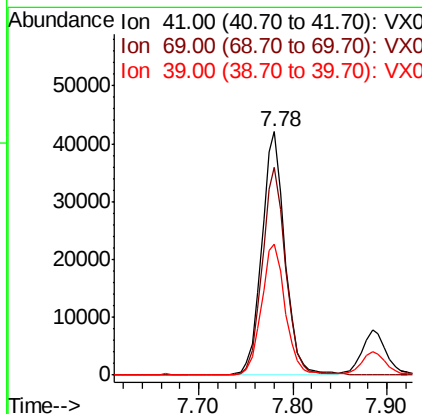
RT: 7.78 min Scan# 1180

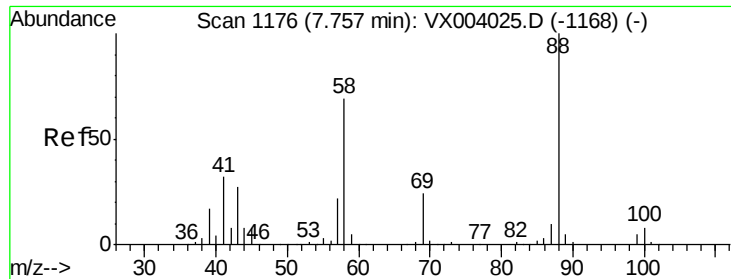
Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Tgt Ion:	41	Resp:	73088
Ion	Ratio	Lower	Upper
41	100		
69	86.5	68.8	103.2
39	55.9	42.3	63.5





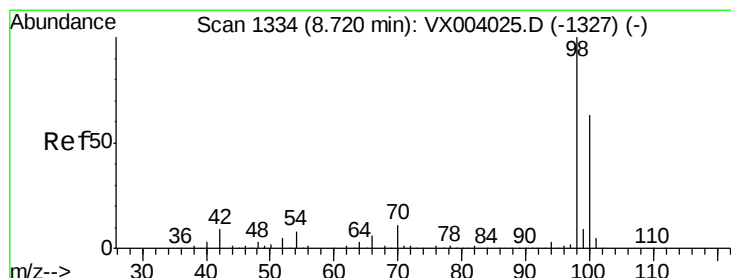
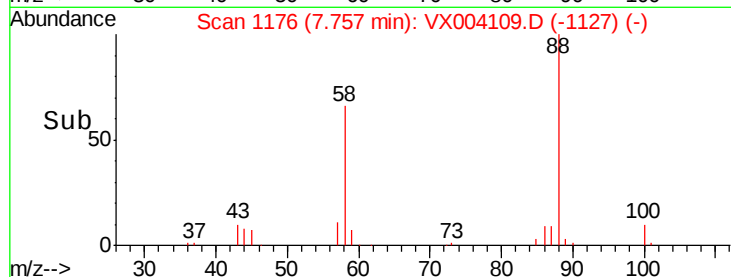
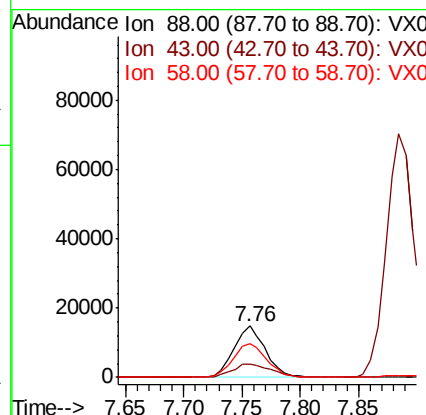
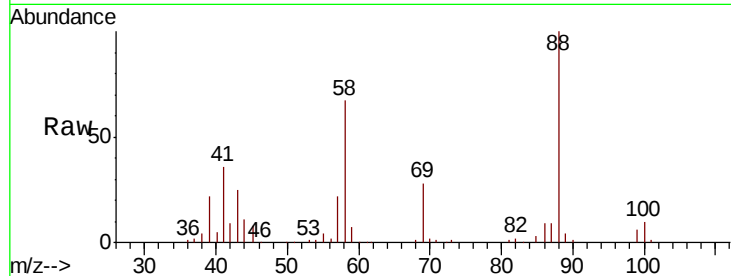
#49
1,4-Dioxane
Concen: 324.77 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	23.8	35.8
58	70.4	55.4	83.0

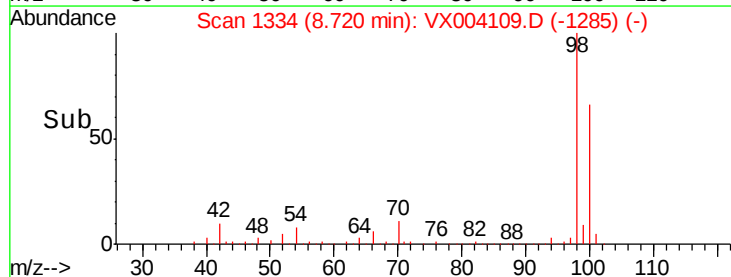
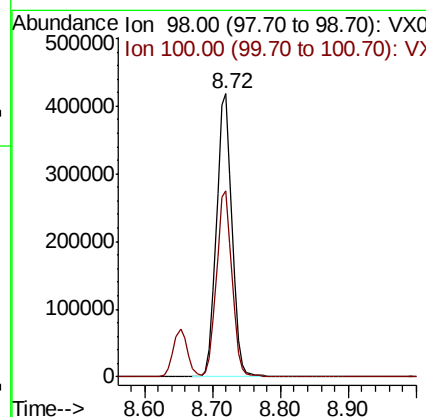
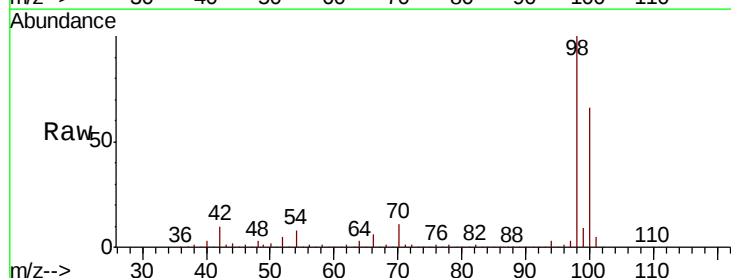
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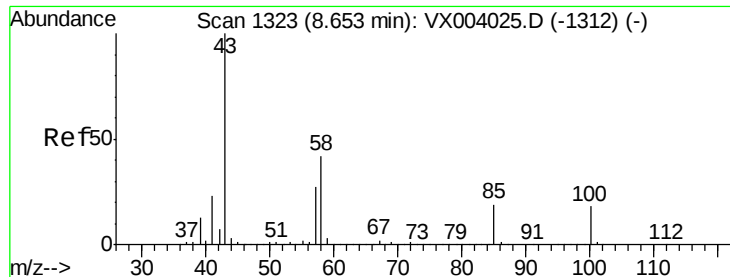
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#50
Toluene-d8
Concen: 52.58 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9





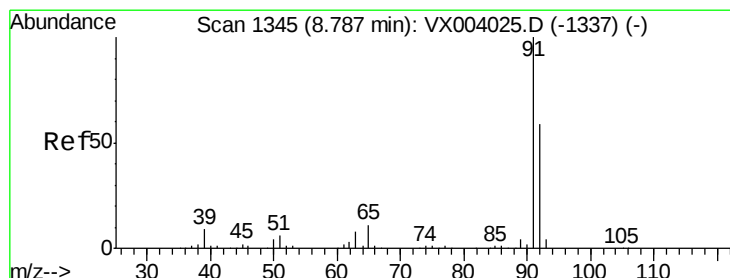
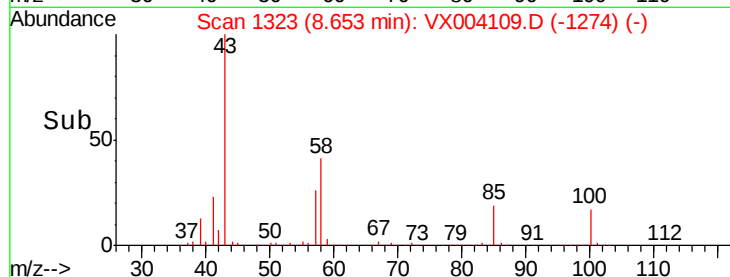
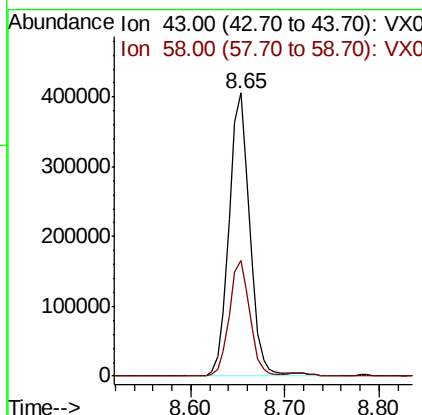
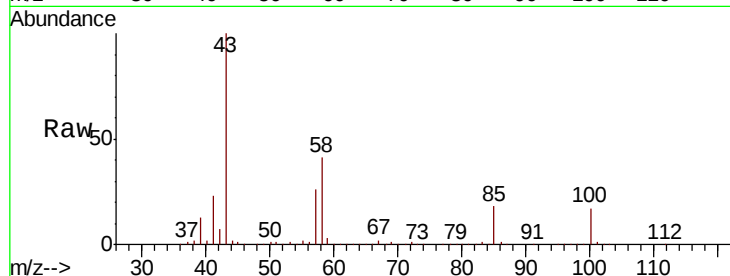
#51
4-Methyl-2-Pentanone
Concen: 100.52 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	33.0	49.6

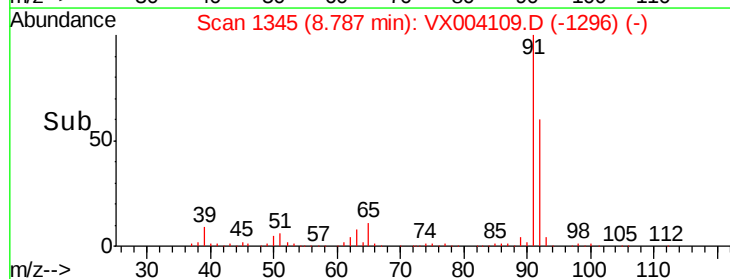
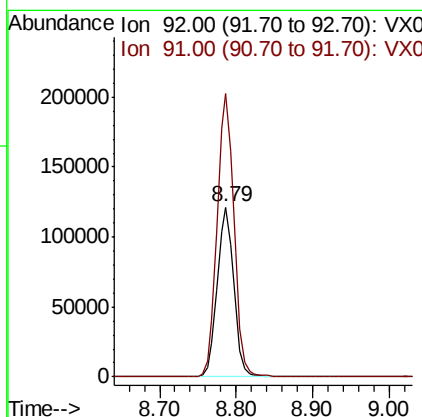
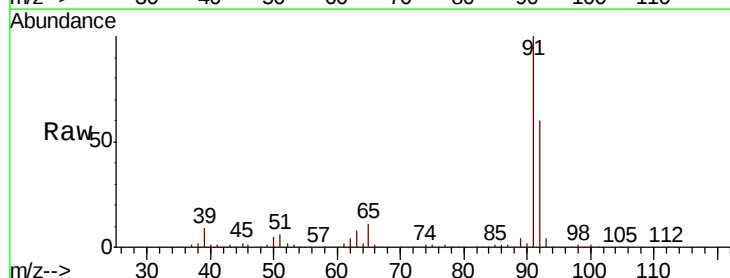
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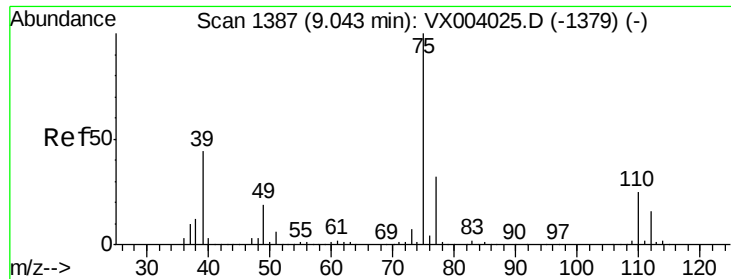
MMDadoda
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#52
Toluene
Concen: 20.27 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.1	204.1





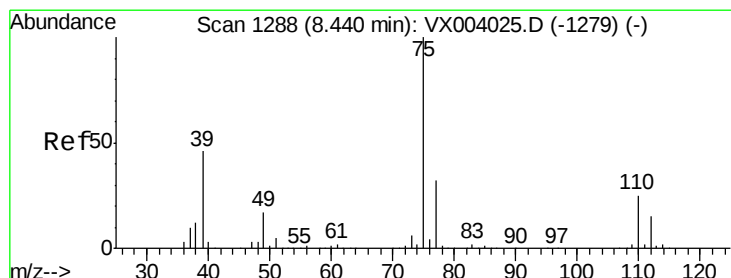
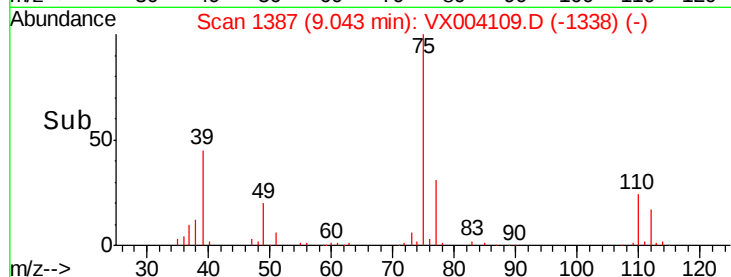
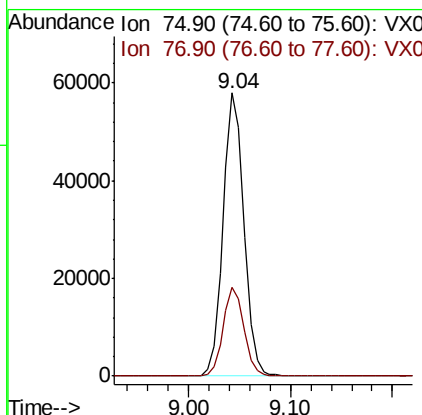
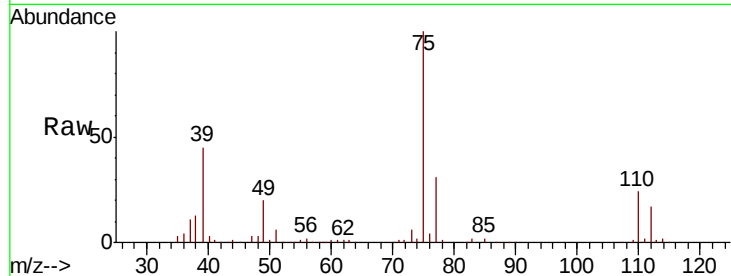
#53
 t-1,3-Dichloropropene
 Concen: 16.99 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion: 75 Resp: 82403
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7

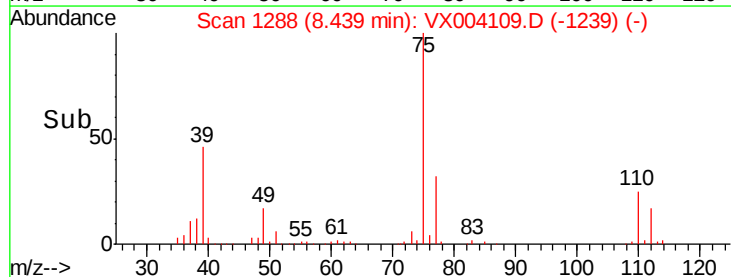
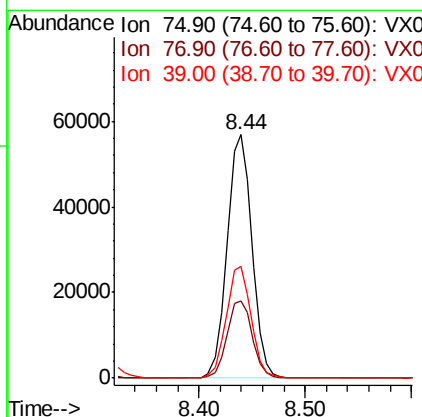
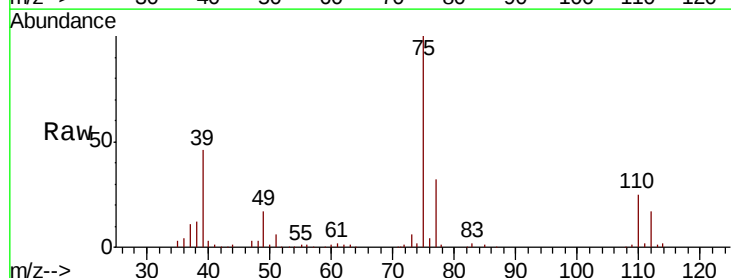
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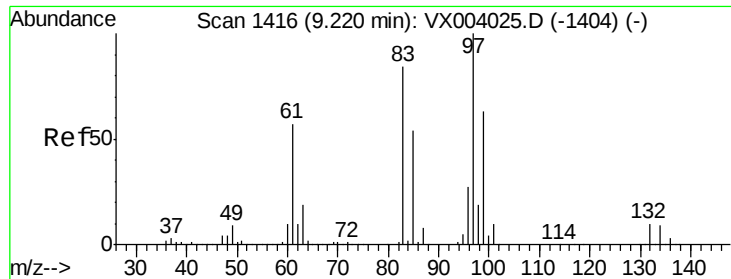
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#54
 cis-1,3-Dichloropropene
 Concen: 17.32 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion: 75 Resp: 93024
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.3 37.9
 39 45.9 36.2 54.2





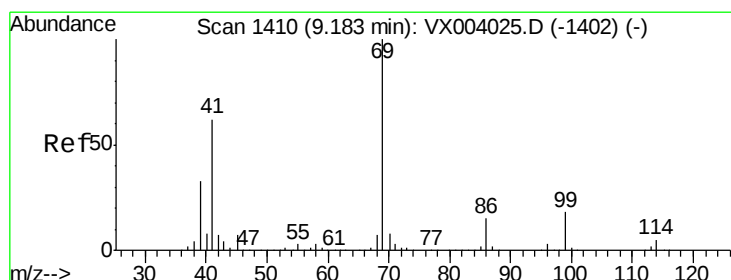
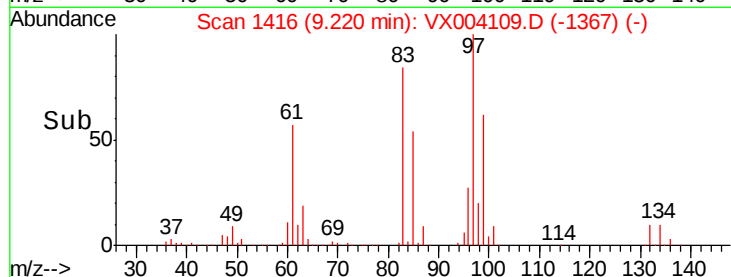
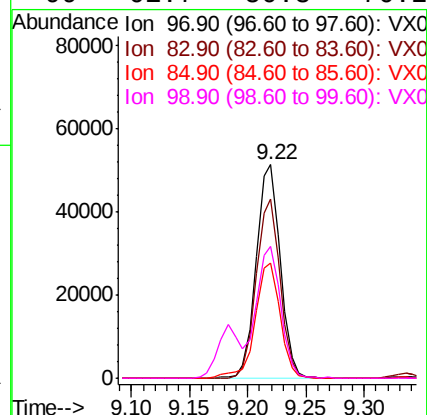
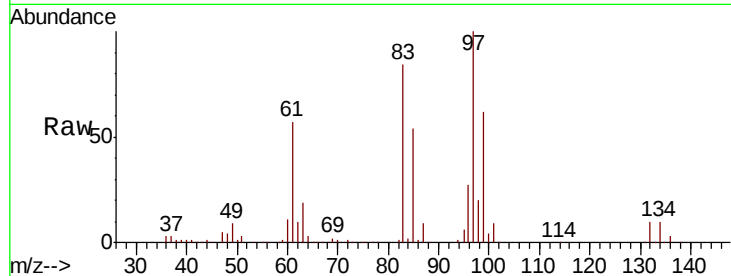
#55
 1,1,2-Trichloroethane
 Concen: 20.07 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		74258		
83	83.8	67.8	101.6		
85	53.9	44.2	66.2		
99	61.7	50.8	76.2		

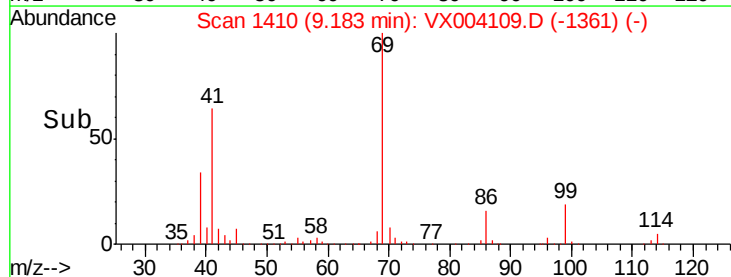
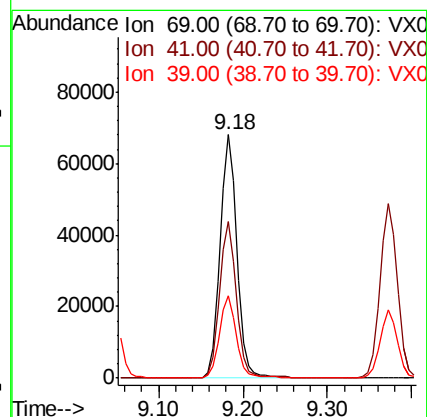
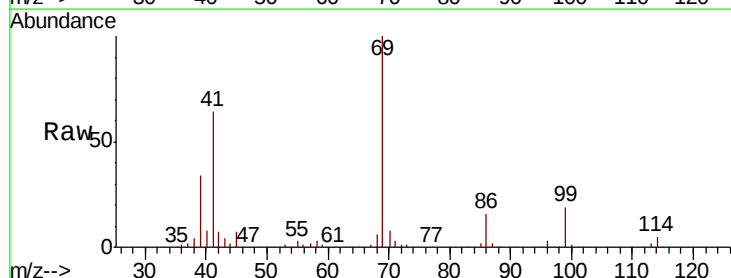
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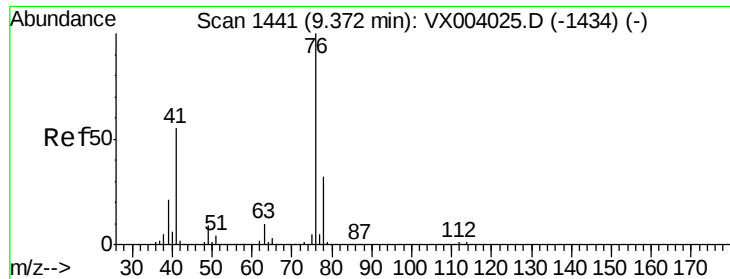
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 8/16/2018 4:40:13 PM



#56
 Ethyl methacrylate
 Concen: 18.94 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		95294		
41	63.5	50.6	76.0		
39	33.5	25.8	38.6		





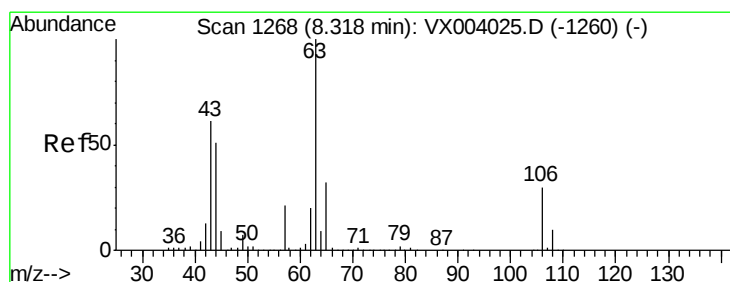
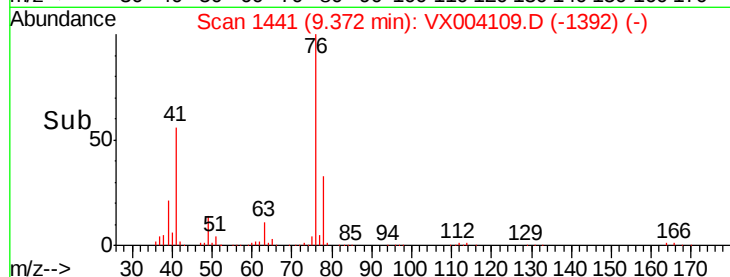
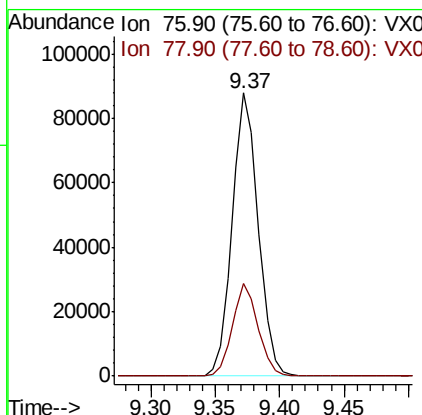
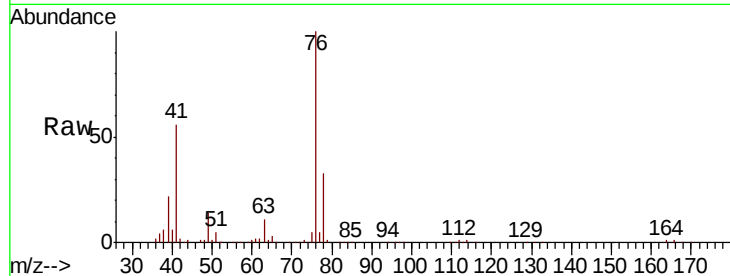
#57
 1,3-Dichloropropane
 Concen: 20.21 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0815WBSD02

Tot Ion: 76 Resp: 124093
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

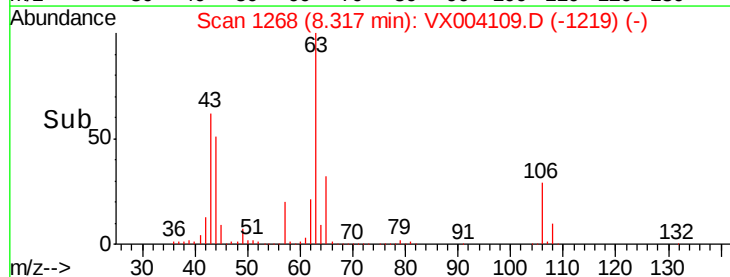
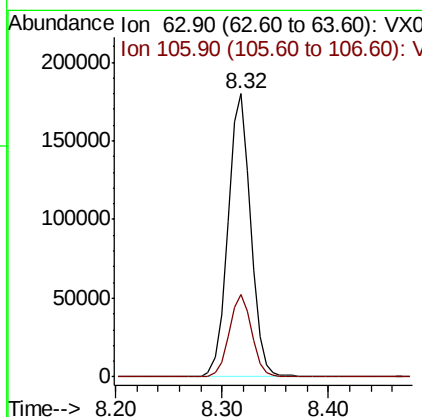
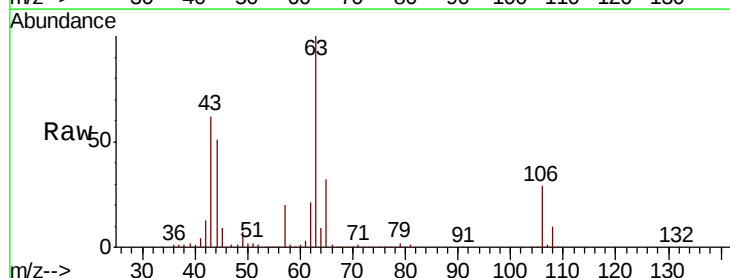
Manual Integrations
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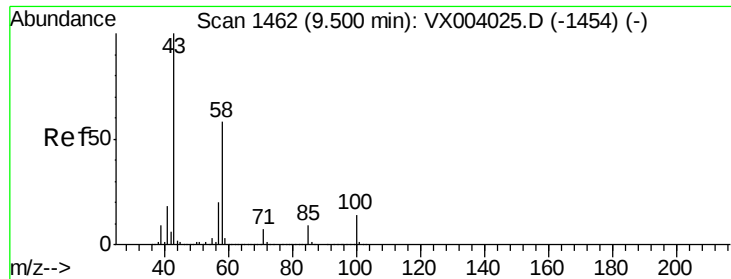
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.06 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion: 63 Resp: 269208
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.8





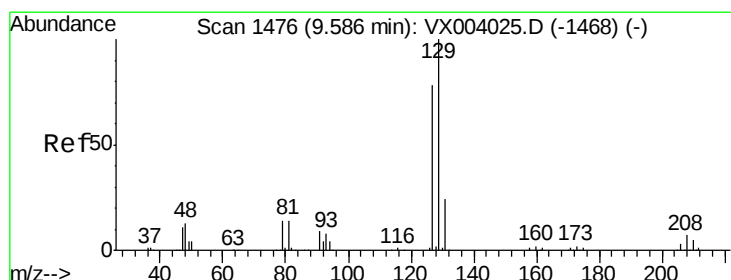
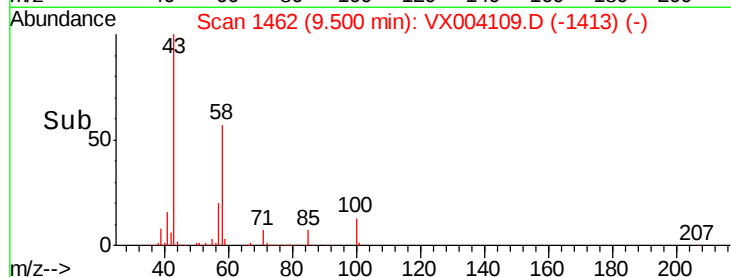
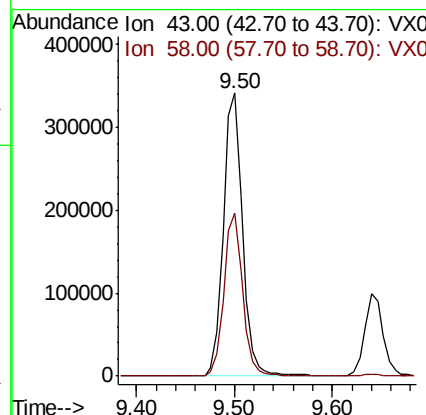
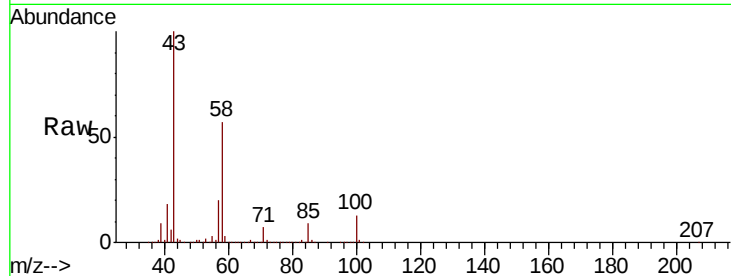
#59
2-Hexanone
Concen: 99.00 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion: 43 Resp: 462741
Ion Ratio Lower Upper
43 100
58 56.5 29.0 87.0

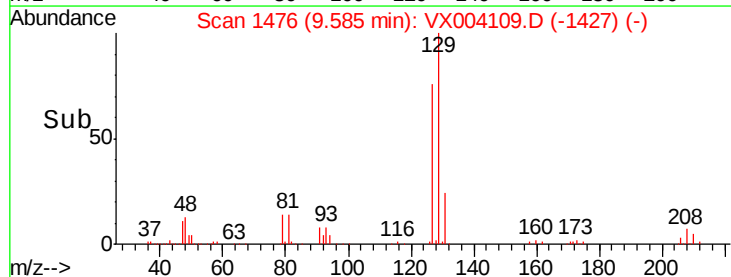
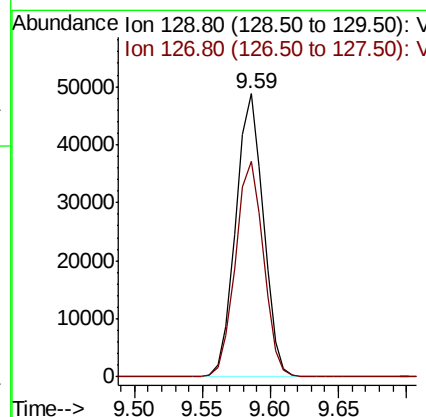
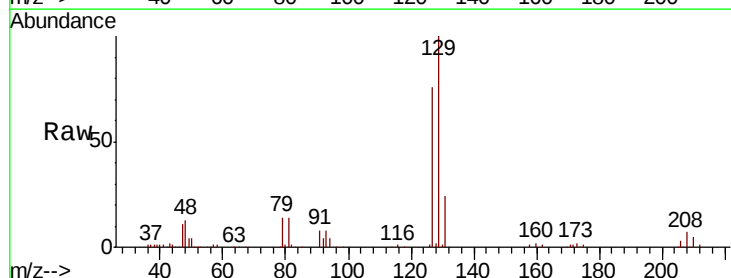
Manual Integrations
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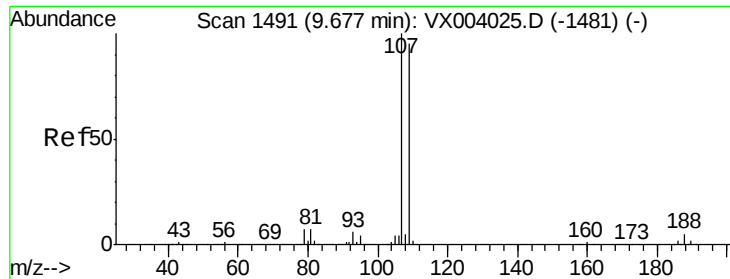
MMDadoda
8/16/2018 4:40:13 PM



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion: 129 Resp: 69278
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.23 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion:107 Resp: 76331

Ion Ratio Lower Upper

107 100

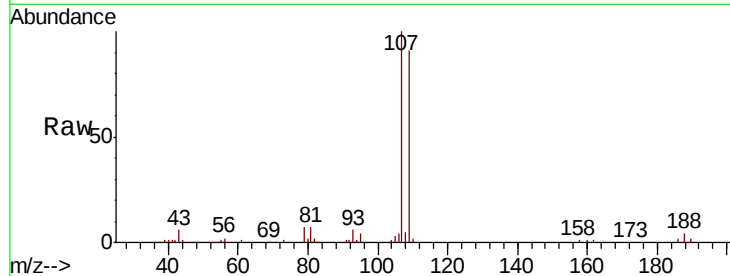
109 92.4 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:40:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

50000

40000

30000

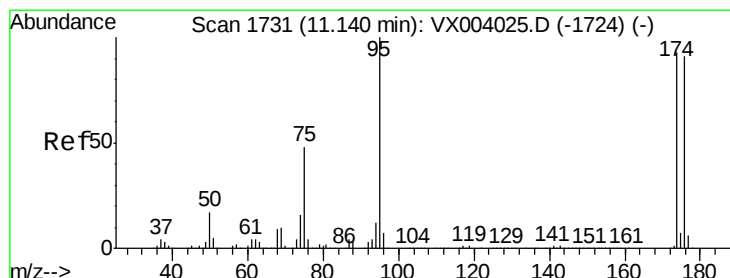
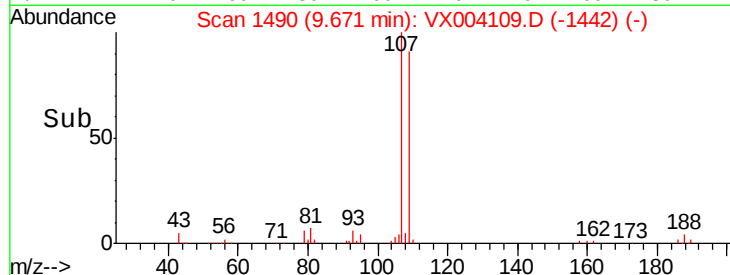
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 51.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

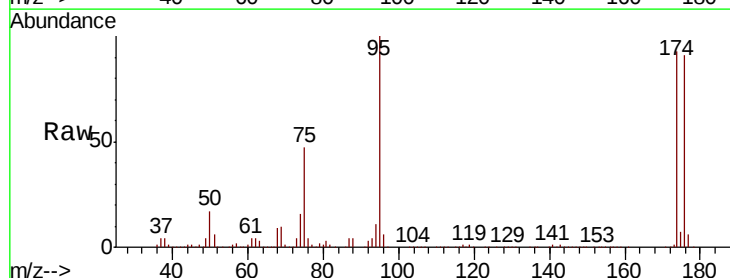
Tgt Ion: 95 Resp: 235282

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.8

176 88.0 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

150000

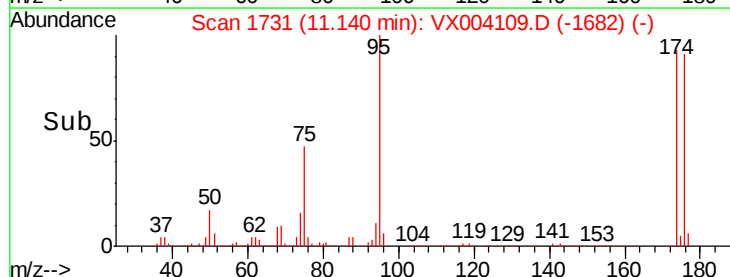
100000

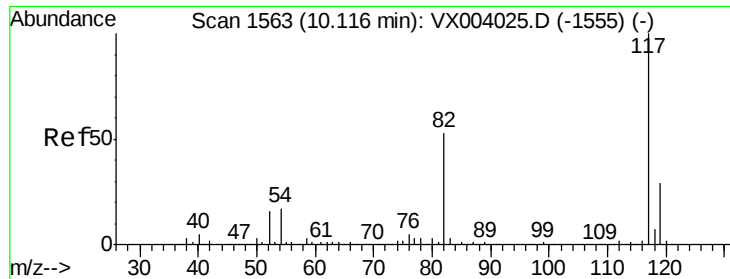
50000

0

11.10 11.20

Time-->





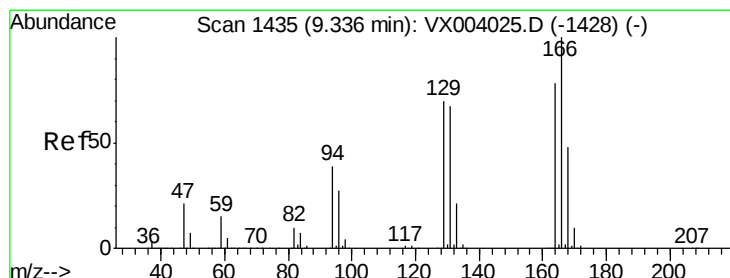
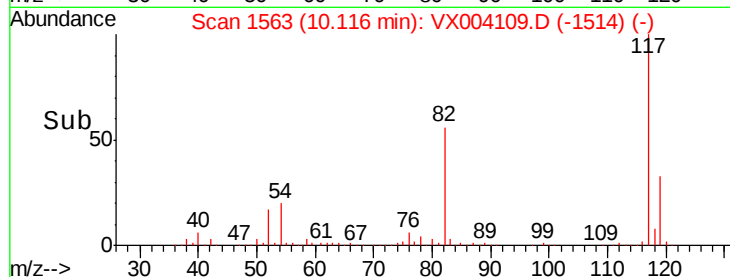
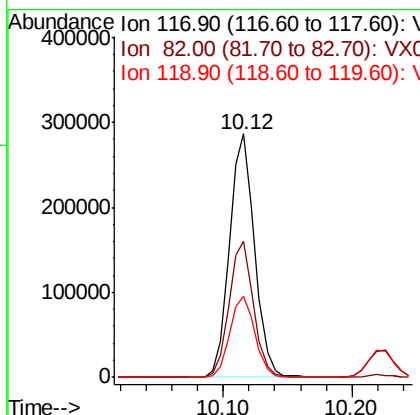
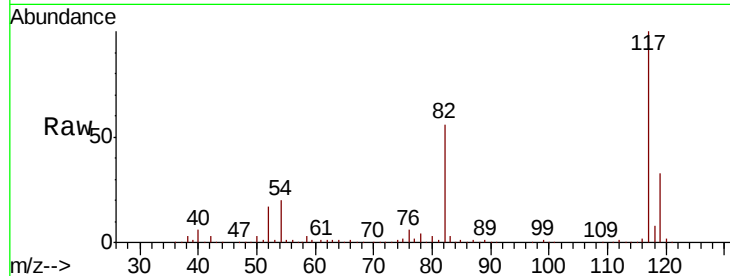
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	390437		
82	55.8	45.4	68.0	
119	33.5	26.6	40.0	

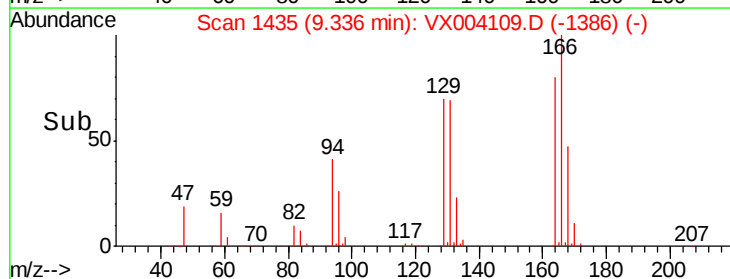
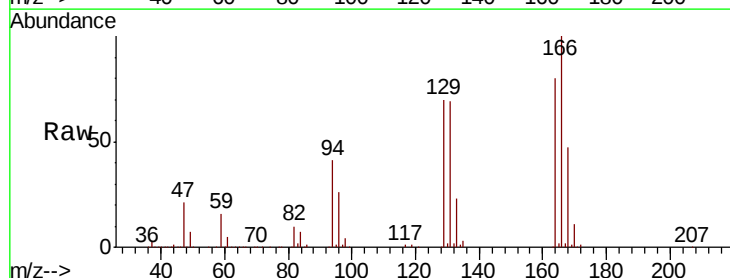
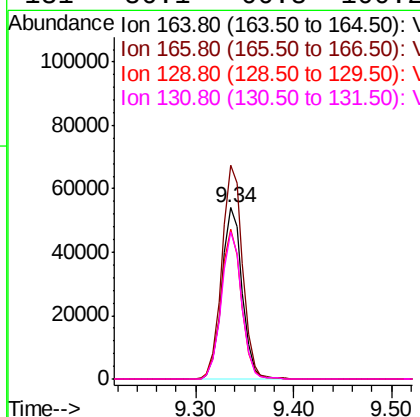
Manual Integrations
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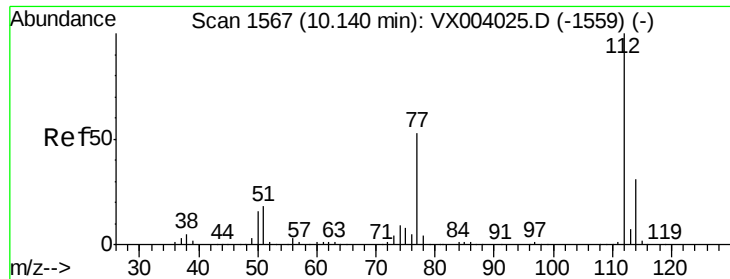
MMDadoda
8/16/2018 4:40:13 PM



#64
Tetrachloroethene
Concen: 21.07 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77985		
166	124.8	98.0	147.0	
129	87.8	64.3	96.5	
131	86.1	66.8	100.2	





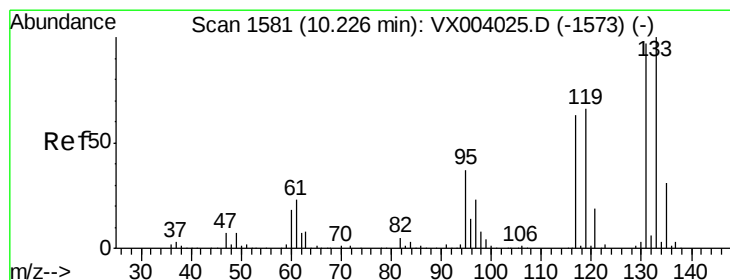
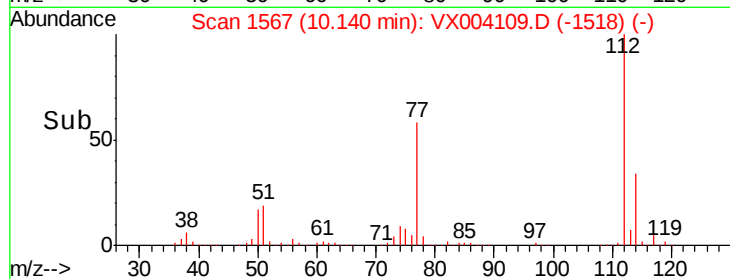
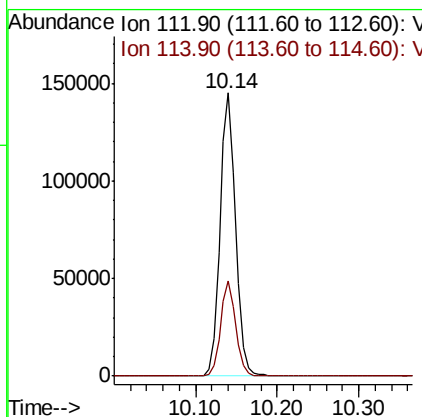
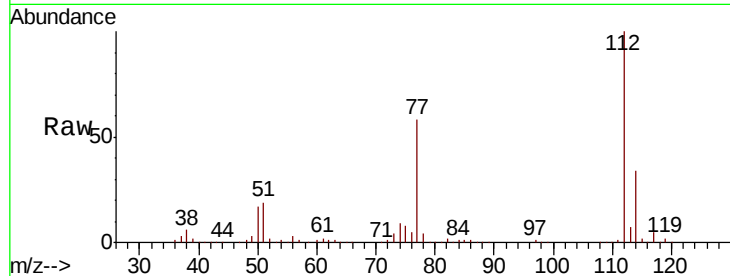
#65
Chlorobenzene
Concen: 19.16 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion:112 Resp: 193243
Ion Ratio Lower Upper
112 100
114 33.6 23.6 35.4

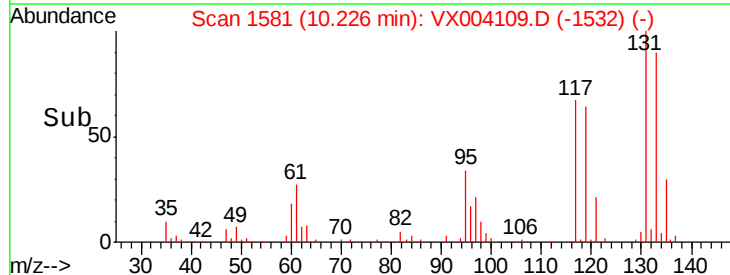
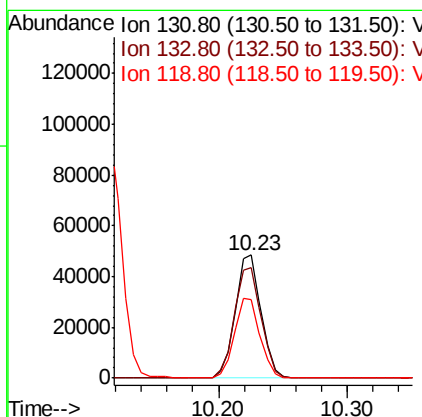
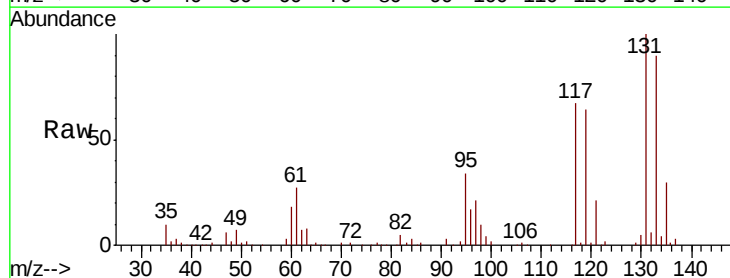
Manual Integrations
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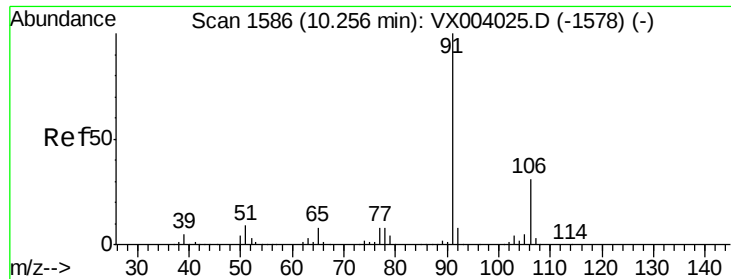
MMDadoda
8/16/2018 4:40:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.57 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion:131 Resp: 67307
Ion Ratio Lower Upper
131 100
133 93.6 47.3 141.8
119 65.4 31.6 94.8





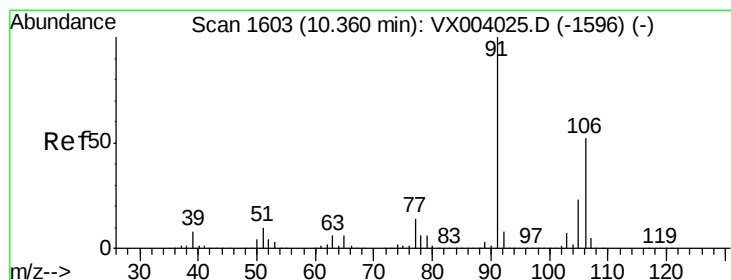
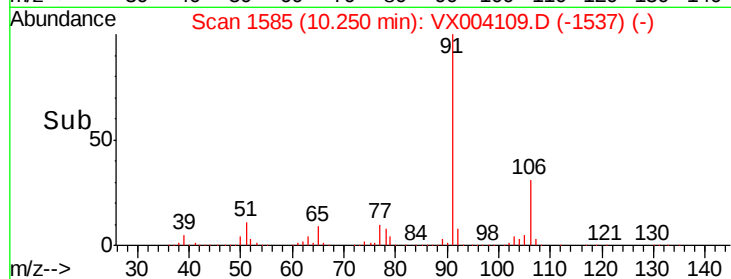
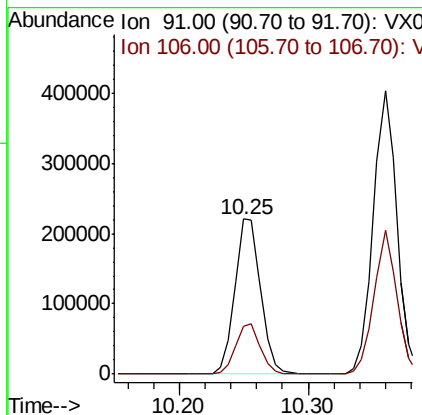
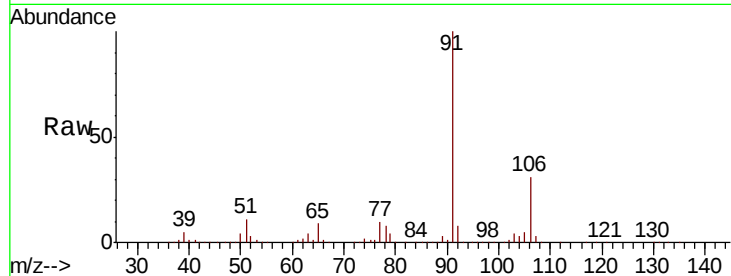
#67
Ethyl Benzene
Concen: 19.26 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion: 91 Resp: 307589
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9

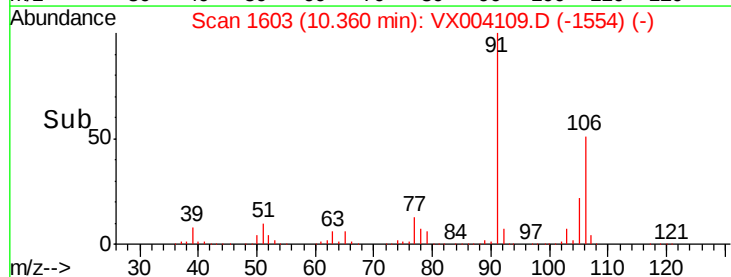
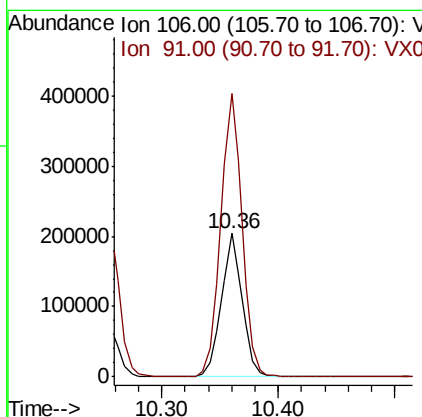
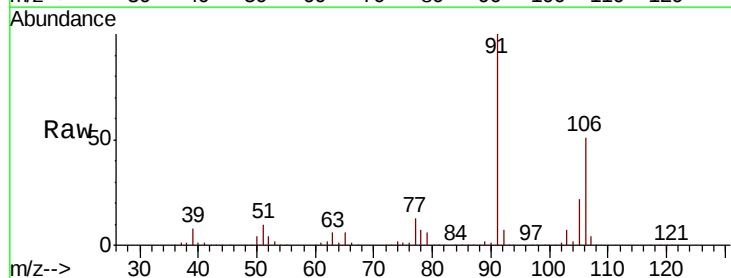
Manual Integrations
APPROVED

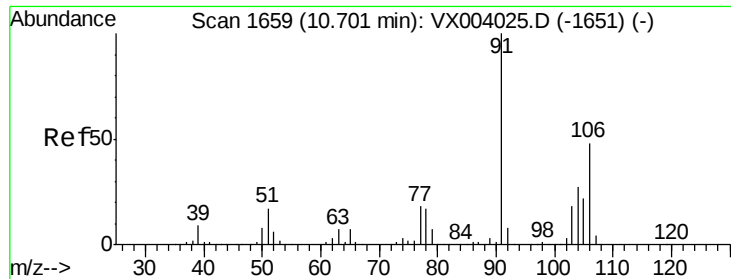
MMDadoda
8/16/2018 4:40:13 PM



#68
m/p-Xylenes
Concen: 39.80 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion: 106 Resp: 248892
Ion Ratio Lower Upper
106 100
91 203.2 162.3 243.5





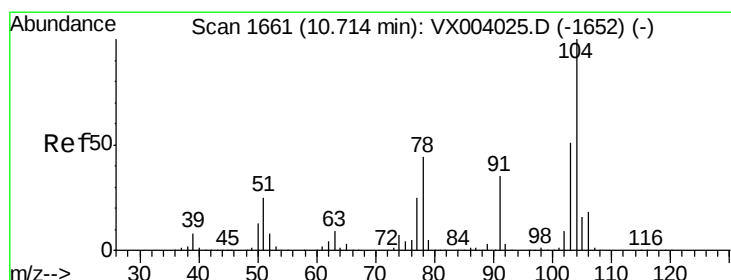
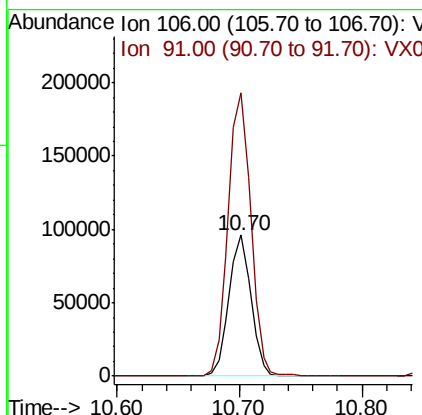
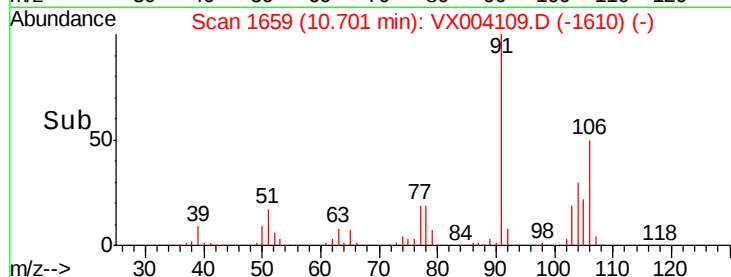
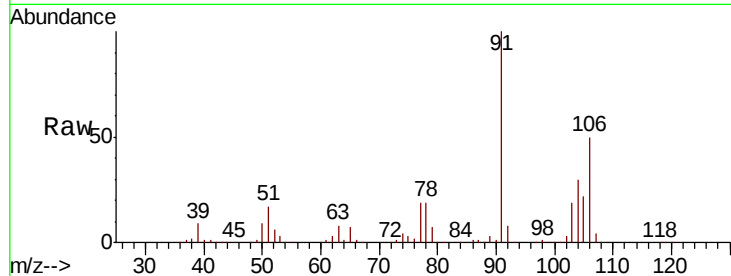
#69
o-Xylene
Concen: 20.08 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	101.9	305.7

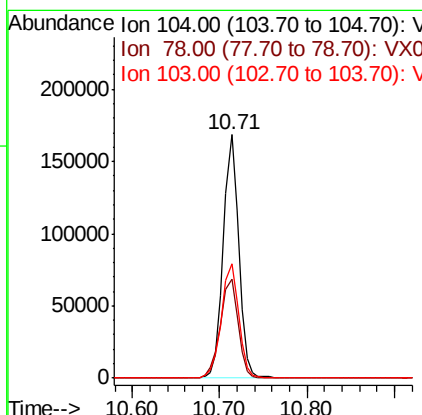
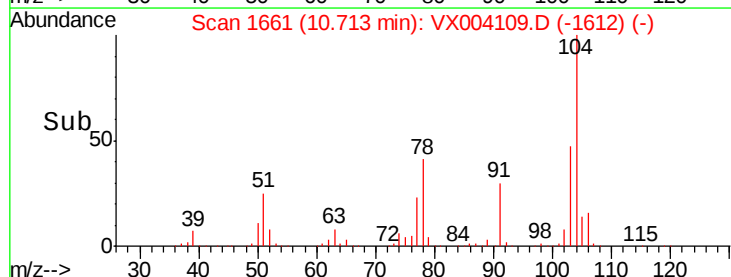
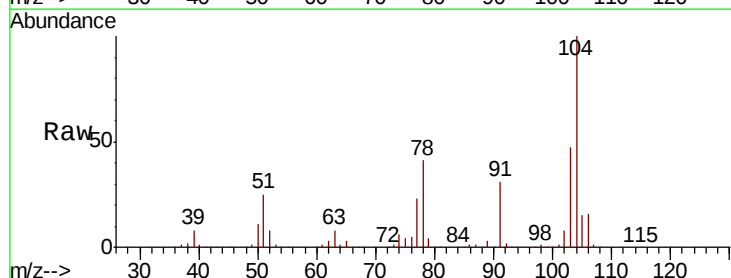
Manual Integrations
APPROVED

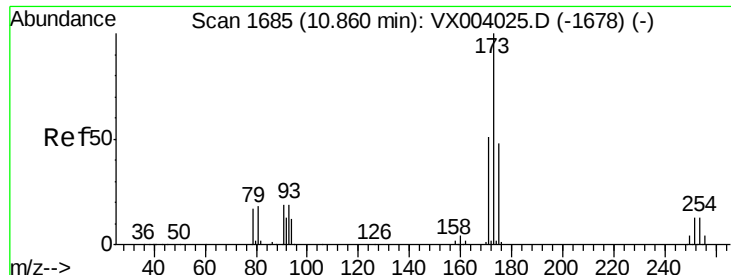
MMDadoda
8/16/2018 4:40:13 PM



#70
Styrene
Concen: 20.51 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	39.8	59.6
103	52.6	44.3	66.5





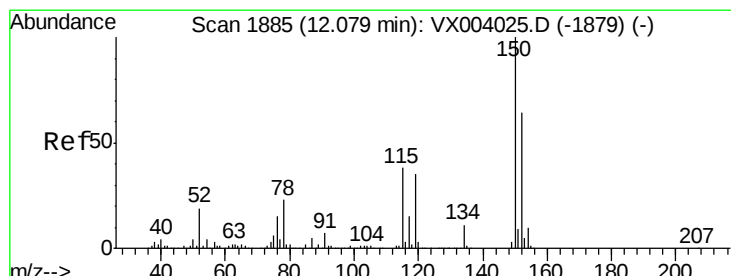
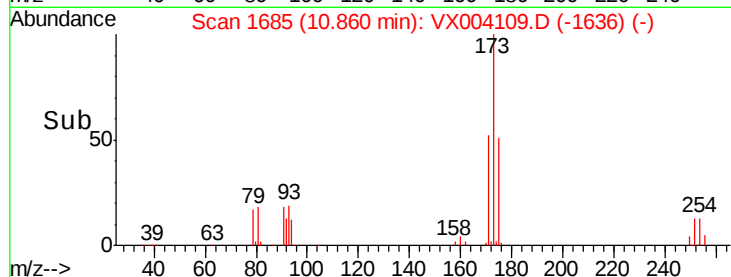
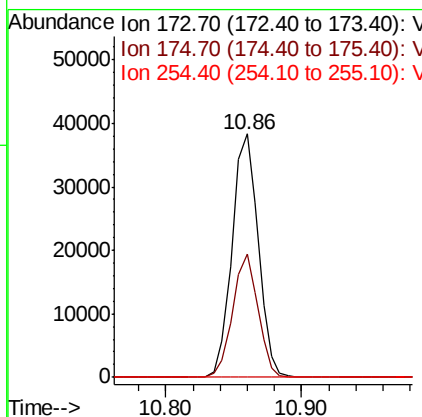
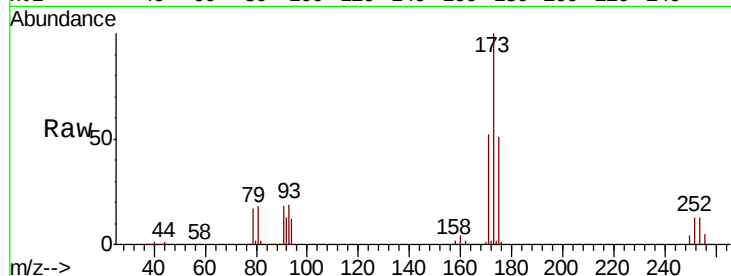
#71
Bromoform
Concen: 18.76 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.0	0.2	0.2

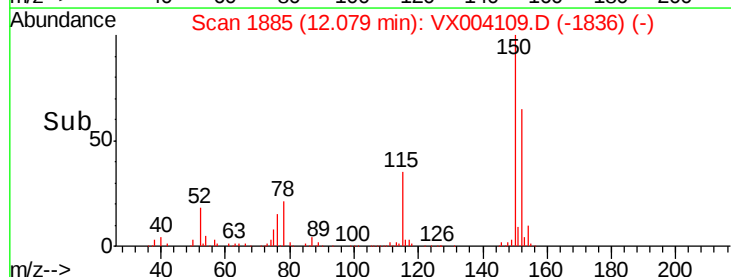
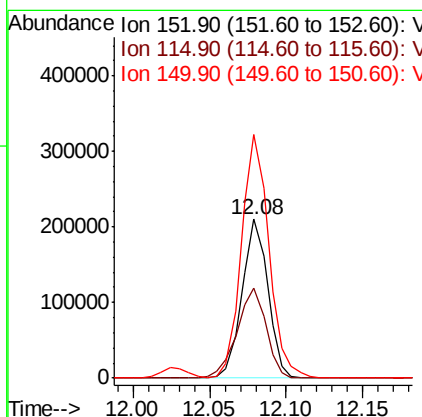
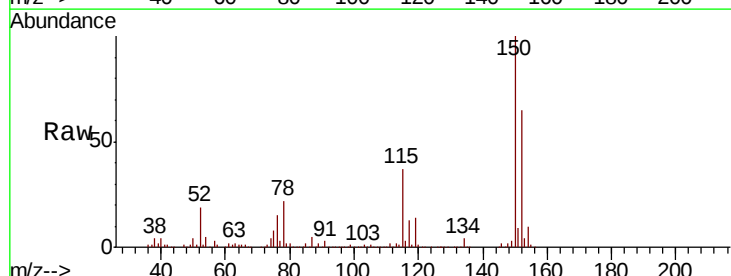
Manual Integrations
APPROVED

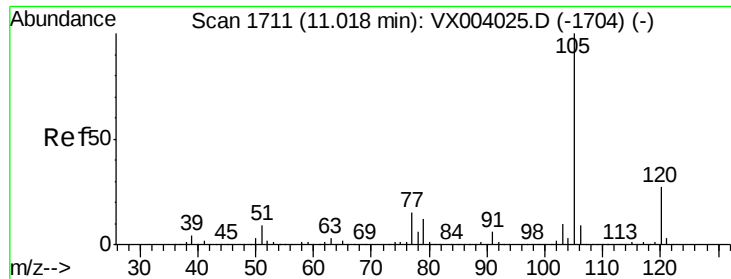
MMDadoda
8/16/2018 4:40:13 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	39.1	117.3
150	162.8	0.0	349.2





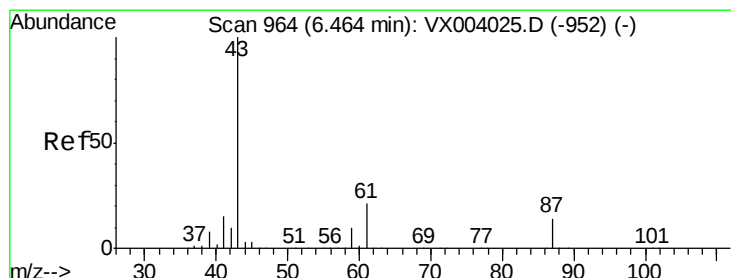
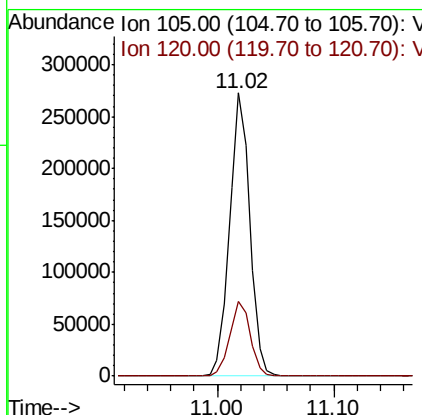
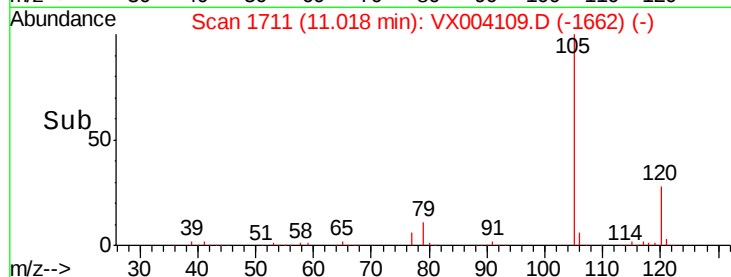
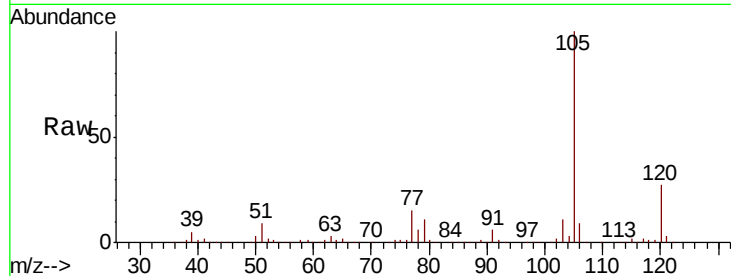
#73
Isopropylbenzene
Concen: 19.84 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	12.6	37.8

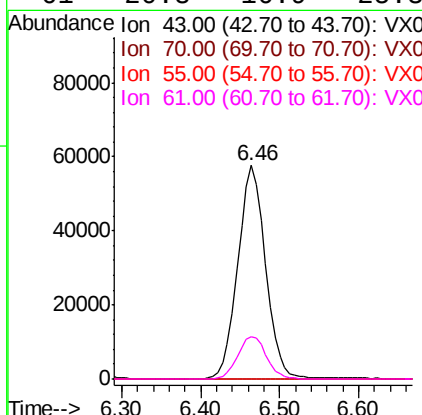
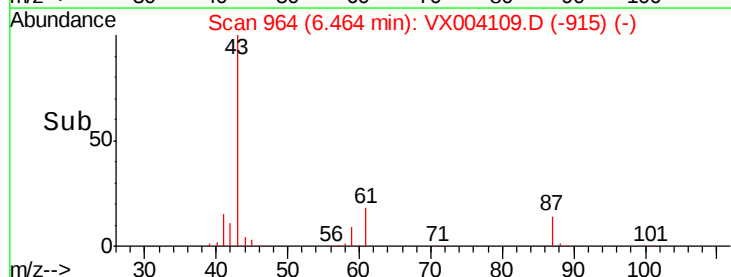
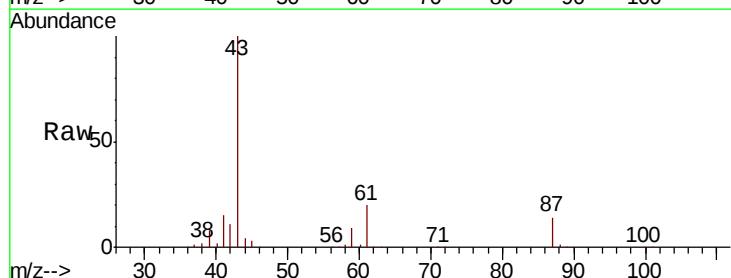
Manual Integrations
APPROVED

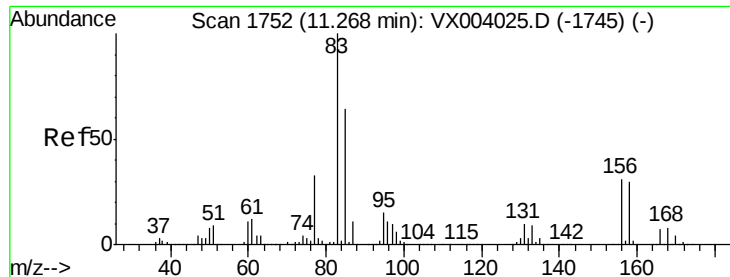
MMDadoda
8/16/2018 4:40:13 PM



#74
N-ethyl acetate
Concen: 18.04 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1#
61	20.8	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.33 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion: 83 Resp: 112177

Ion Ratio Lower Upper

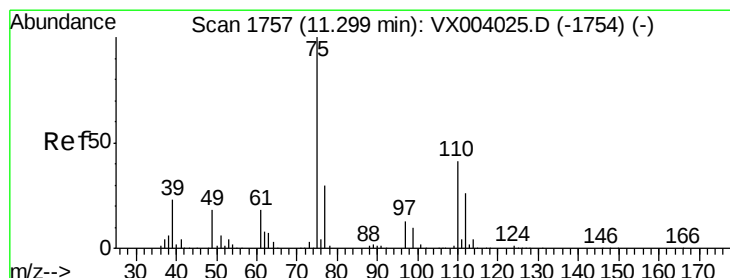
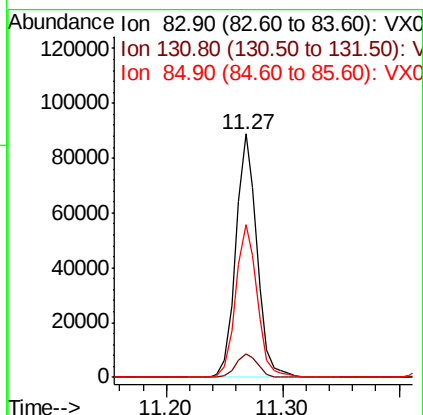
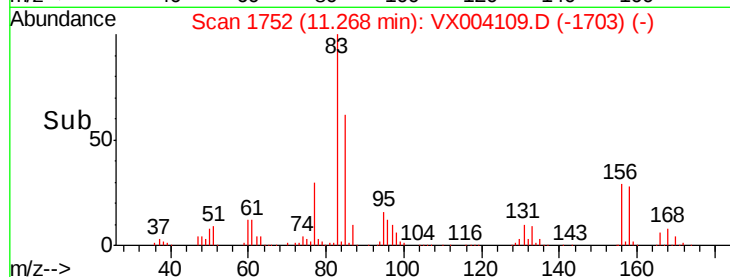
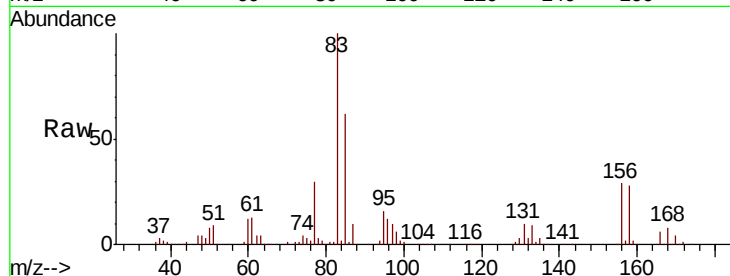
83 100

131 10.1 5.2 15.6

85 64.0 32.2 96.6

Manual Integrations
APPROVED

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8/16/2018 4:40:13 PM



#76

1,2,3-Trichloropropane

Concen: 19.36 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004109.D

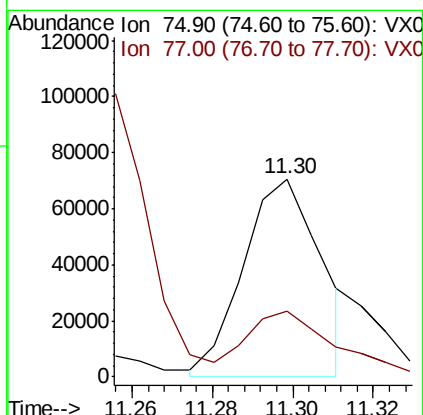
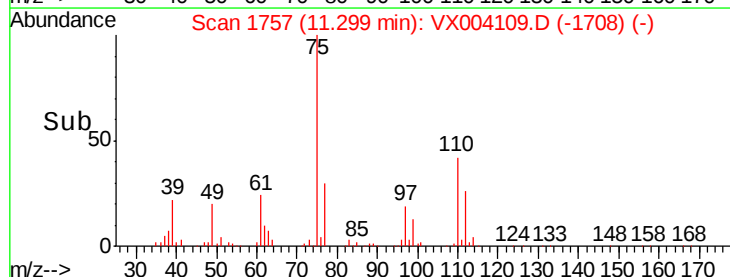
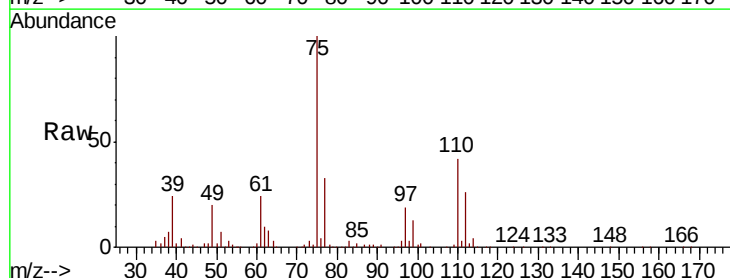
Acq: 16 Aug 2018 08:26

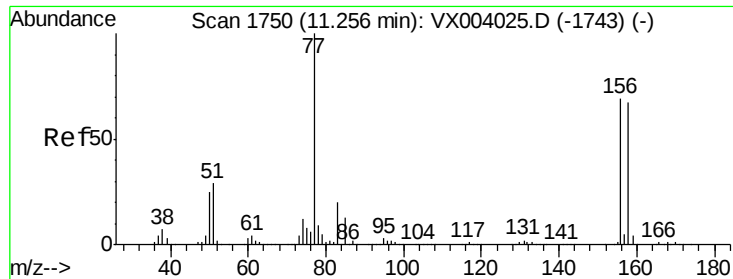
Tgt Ion: 75 Resp: 95297

Ion Ratio Lower Upper

75 100

77 38.1 20.8 62.5





#77

Bromobenzene

Concen: 19.43 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004109.D

Acq: 16 Aug 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD02

Tot Ion:156 Resp: 89008

Ion Ratio Lower Upper

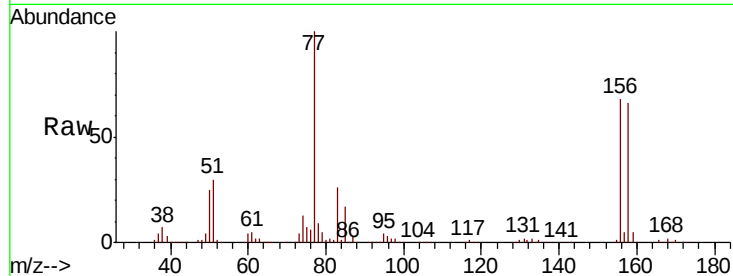
156 100

77 148.4 74.1 222.2

158 96.9 48.6 145.9

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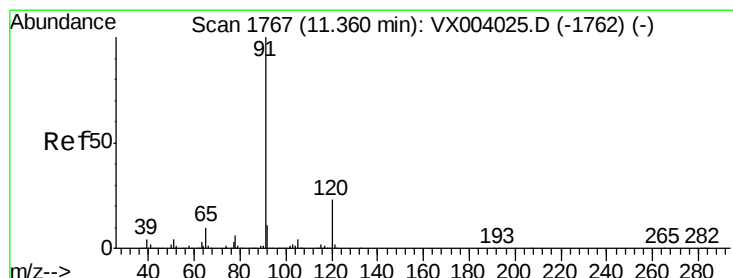
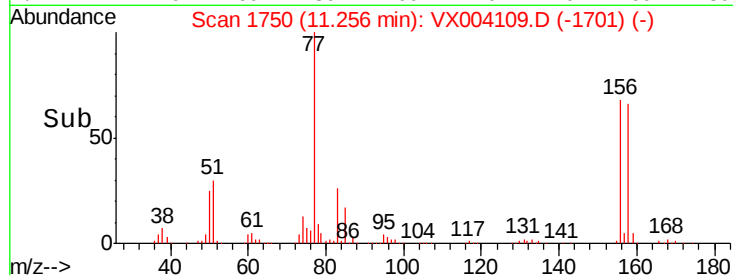
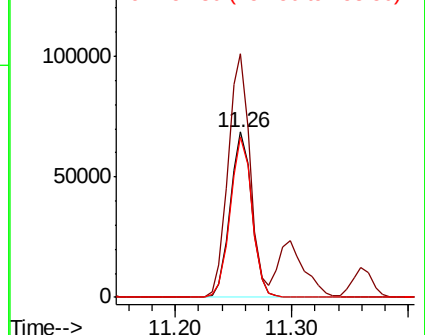
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.87 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004109.D

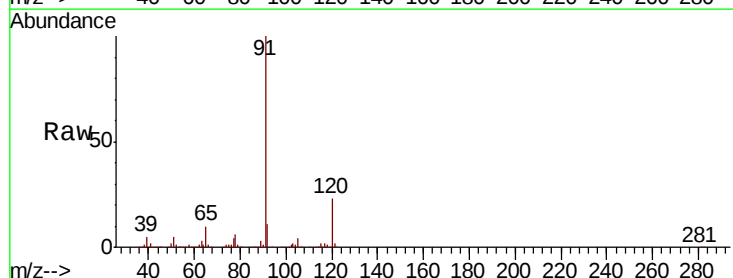
Acq: 16 Aug 2018 08:26

Tgt Ion: 91 Resp: 369439

Ion Ratio Lower Upper

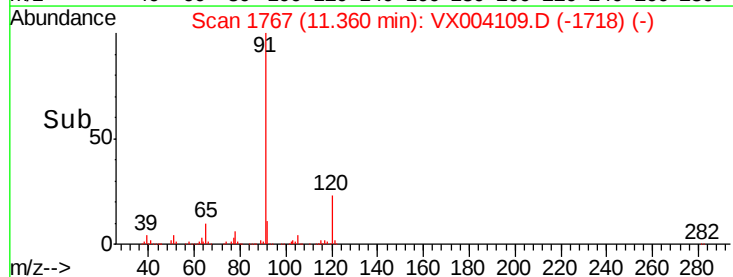
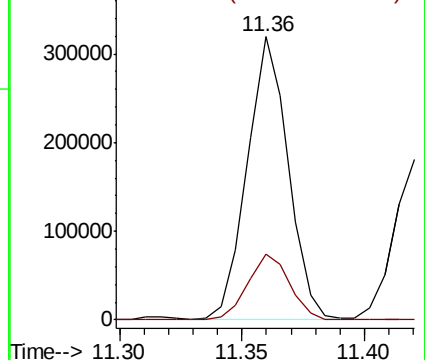
91 100

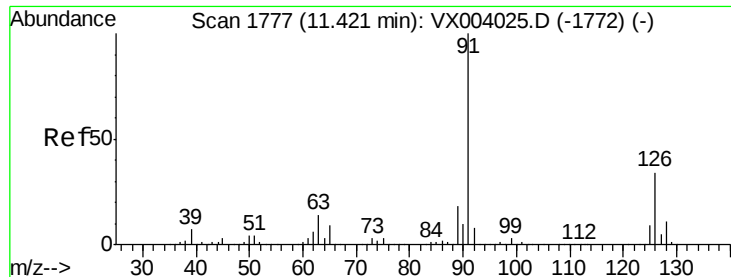
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





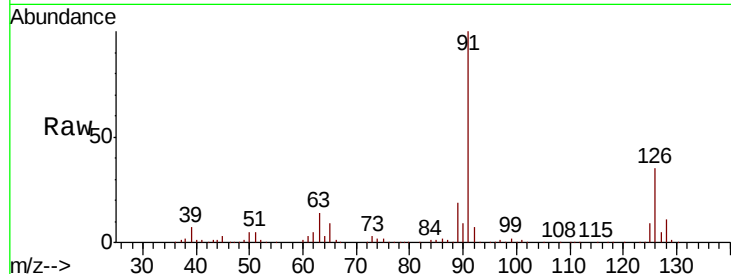
#79
 2-Chlorotoluene
 Concen: 19.49 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

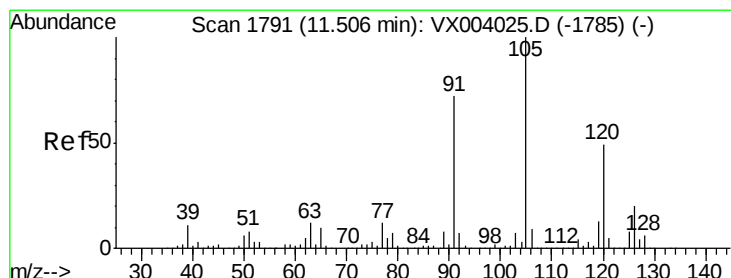
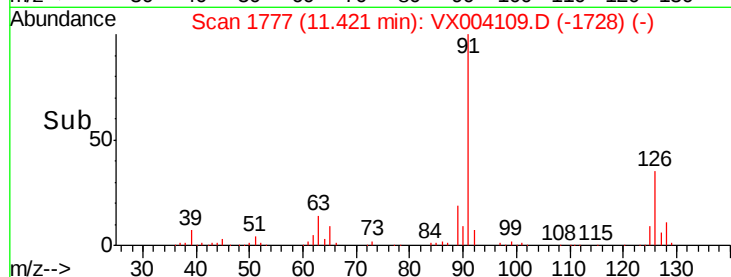
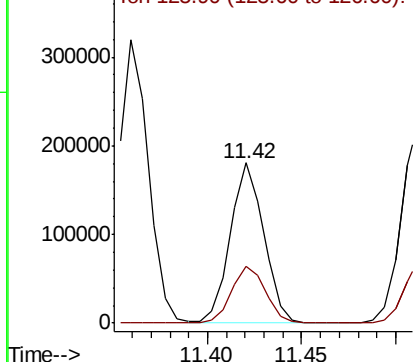
Tot Ion: 91 Resp: 220889
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.4 52.3

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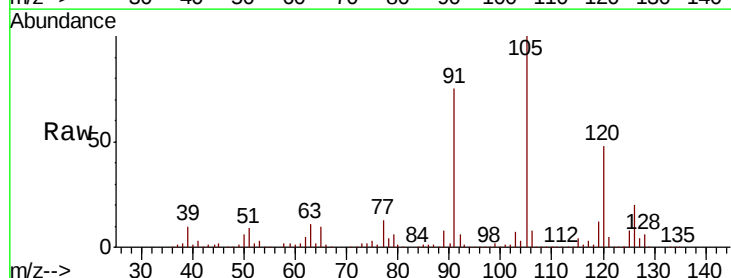


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

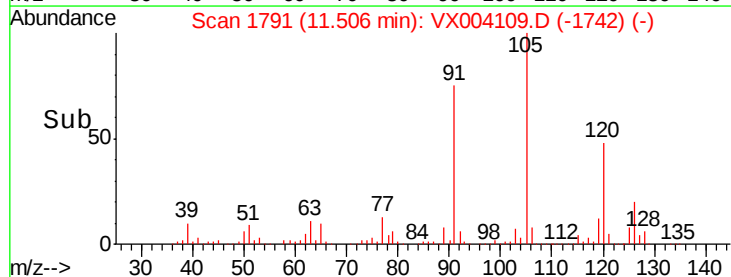
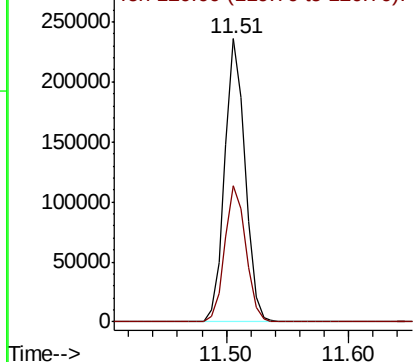


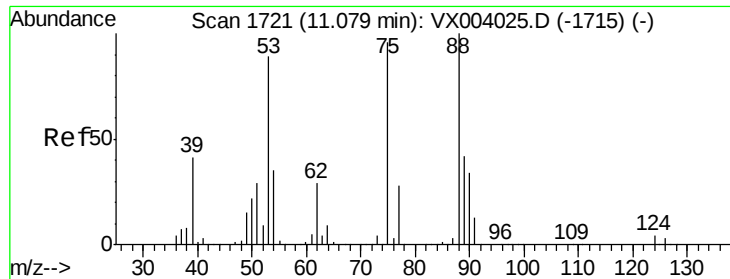
#80
 1,3,5-Trimethylbenzene
 Concen: 19.96 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion:105 Resp: 271509
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





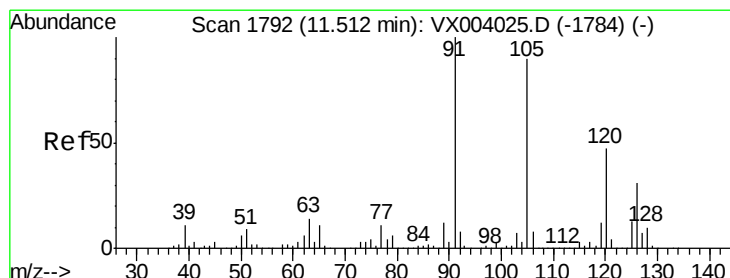
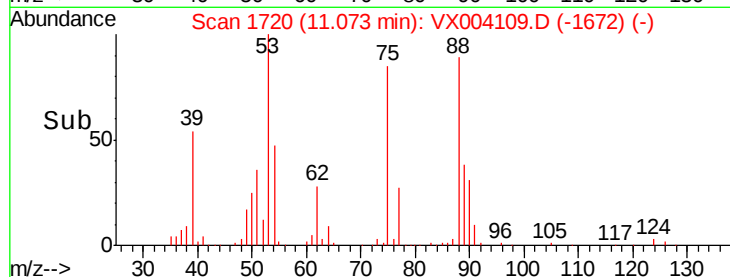
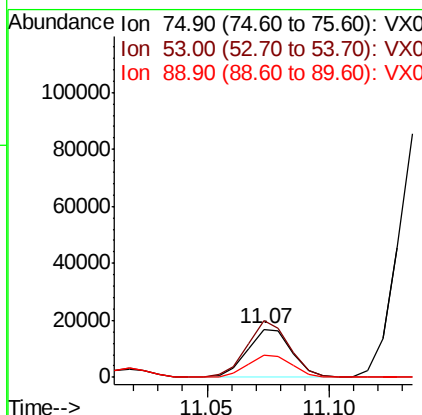
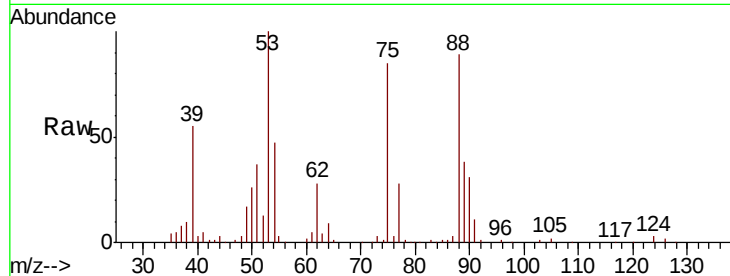
#81
trans-1,4-Dichloro-2-butene
Concen: 13.54 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.2	80.3	120.5
89	45.7	37.8	56.8

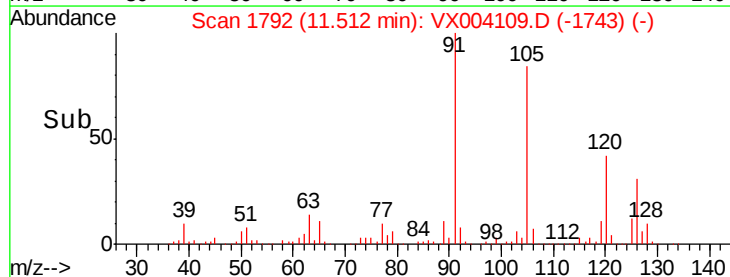
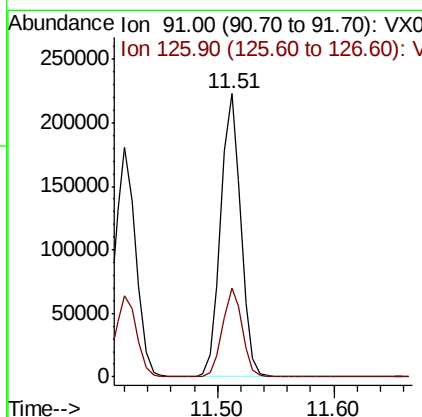
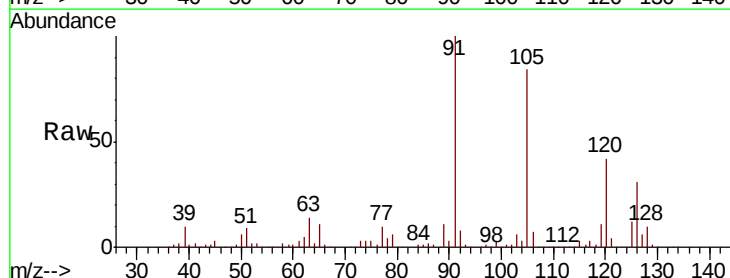
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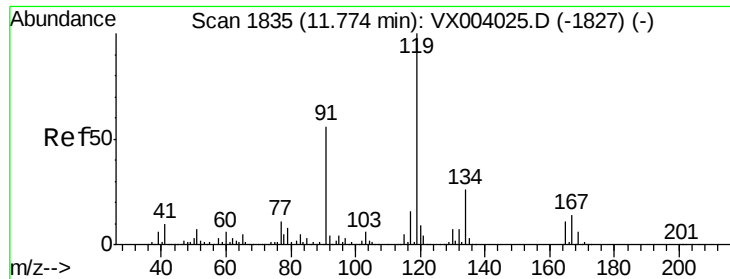
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#82
4-Chlorotoluene
Concen: 19.77 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7





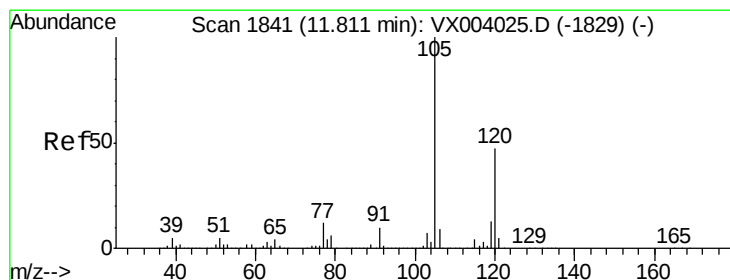
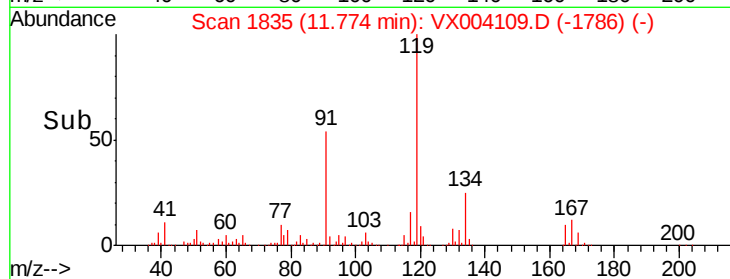
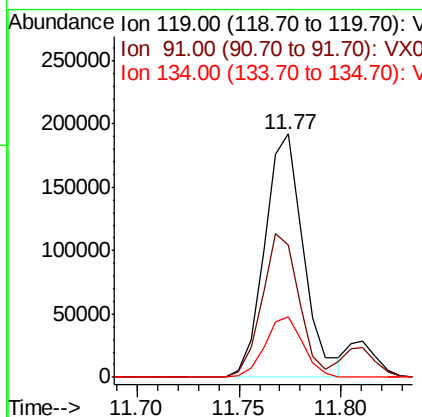
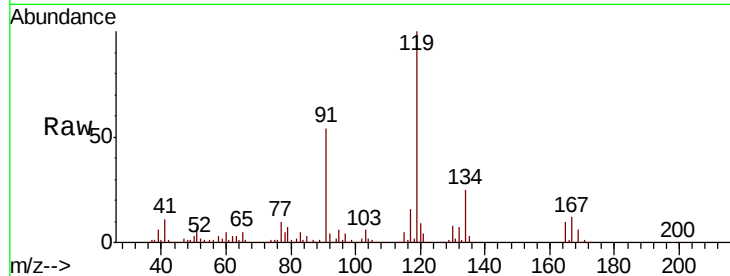
#83
 tert-Butylbenzene
 Concen: 18.60 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion:	119	Resp:	255079
Ion Ratio	Lower	Upper	
119	100		
91	56.2	26.9	80.7
134	24.5	12.0	36.0

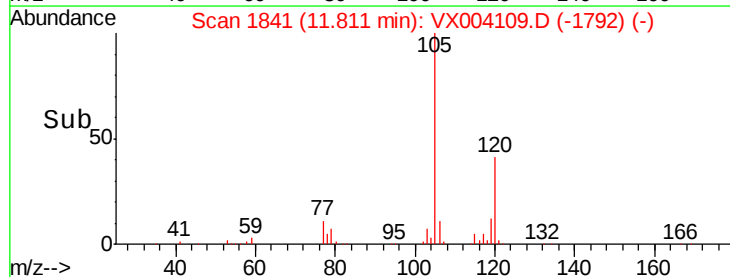
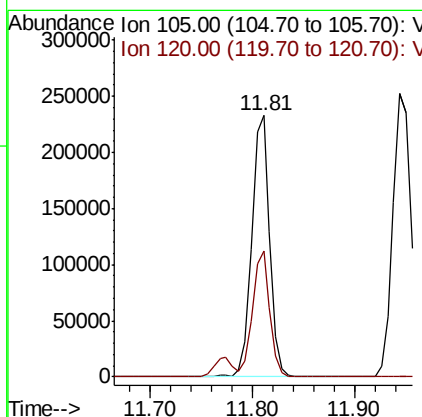
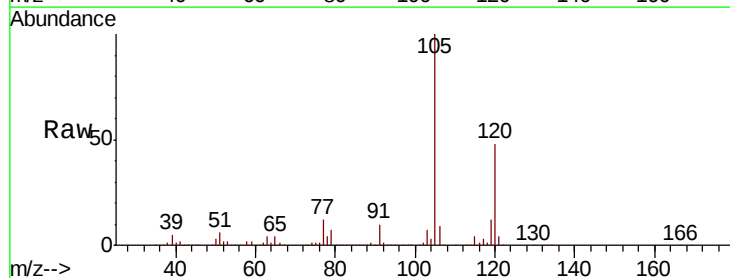
Manual Integrations
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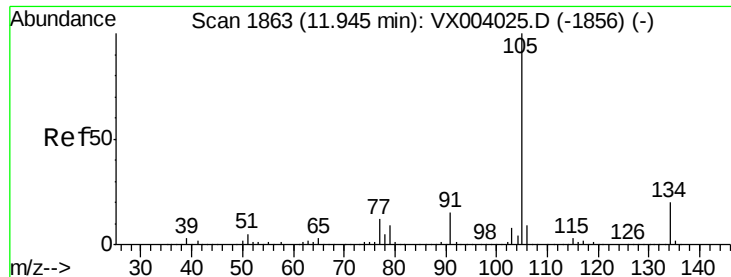
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion:	105	Resp:	287295
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.1	69.2





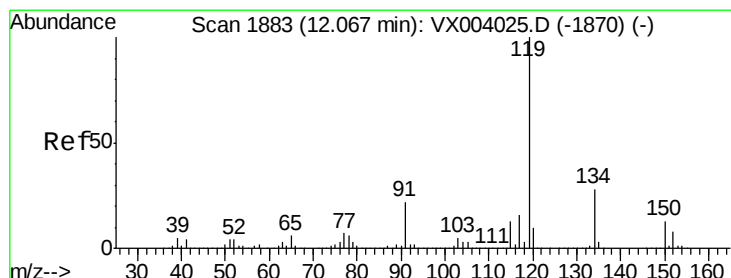
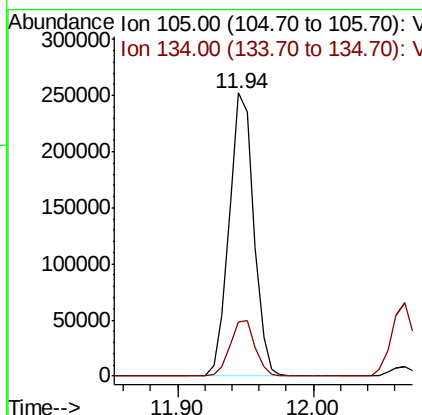
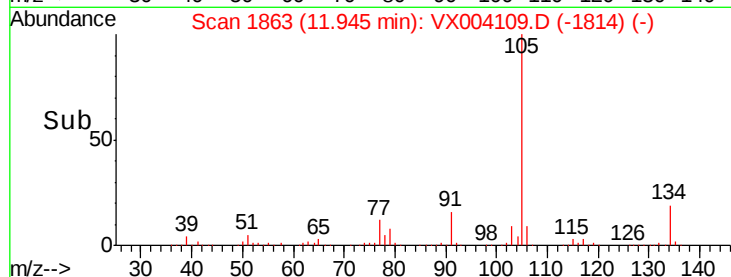
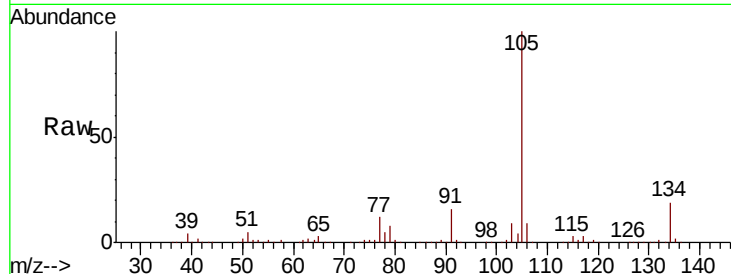
#85
 sec-Butylbenzene
 Concen: 19.73 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.3	30.9

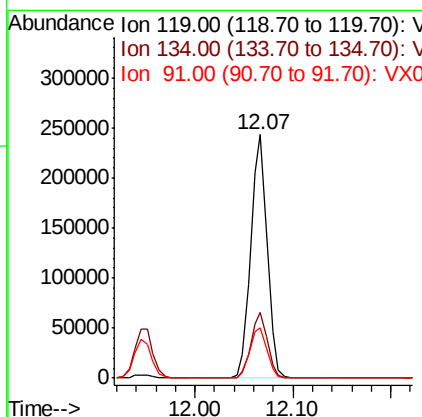
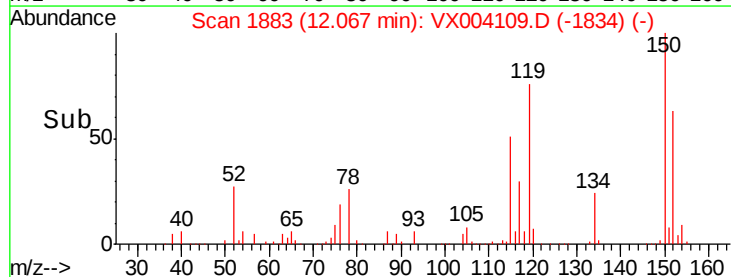
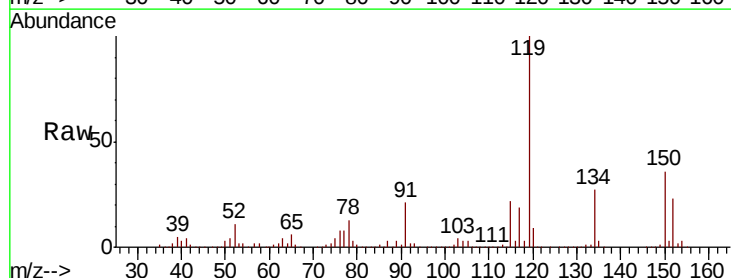
Manual Integrations
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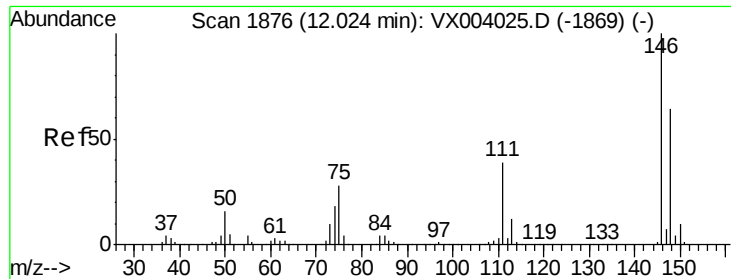
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#86
 p-Isopropyltoluene
 Concen: 19.47 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.8
91	22.1	10.9	32.7





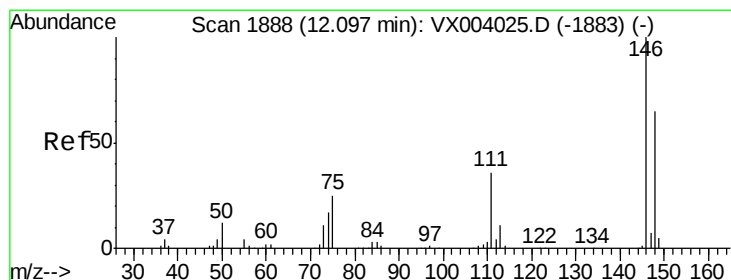
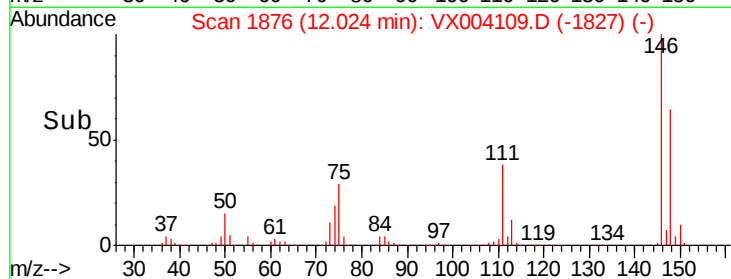
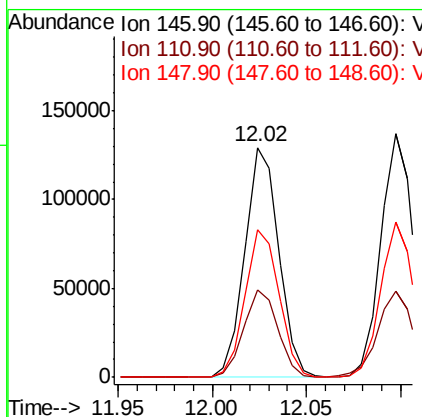
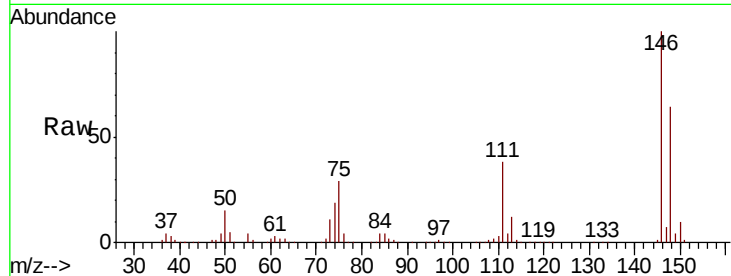
#87
 1,3-Dichlorobenzene
 Concen: 18.58 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	64.4	31.9	95.5

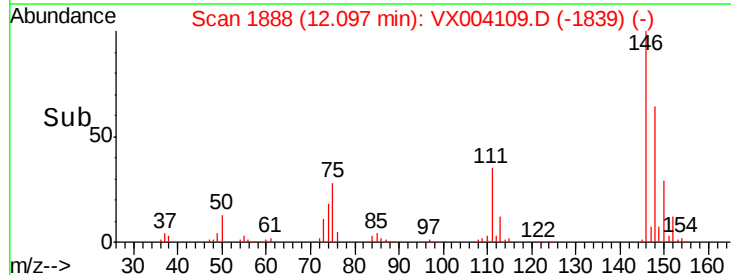
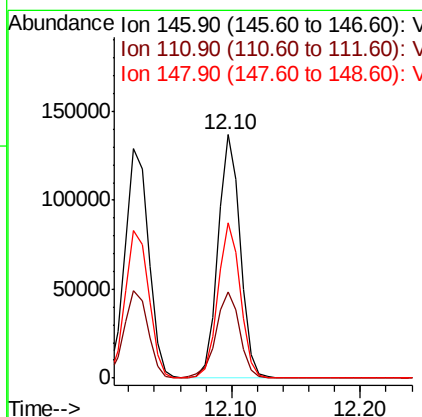
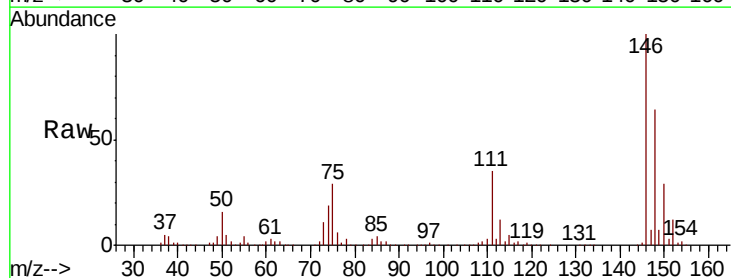
Manual Integrations
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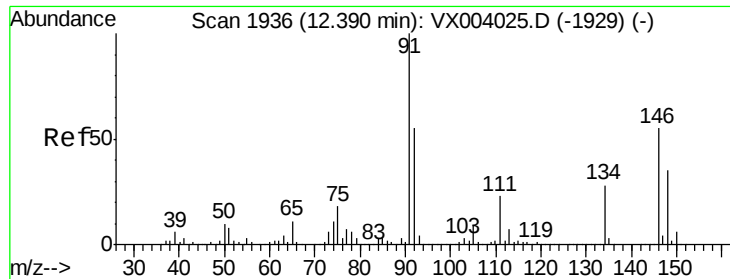
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#88
 1,4-Dichlorobenzene
 Concen: 18.52 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.0
148	64.6	32.3	96.8





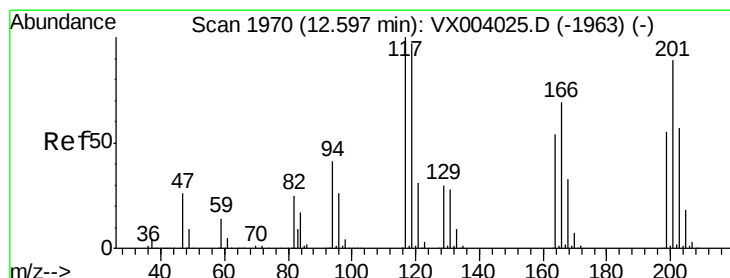
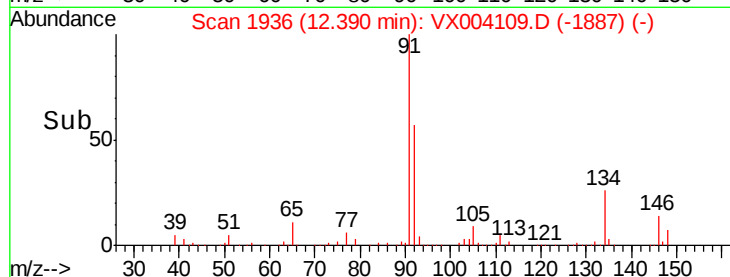
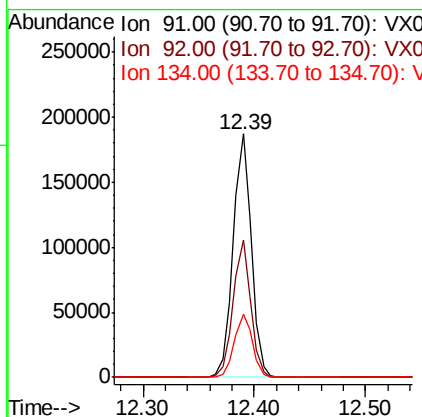
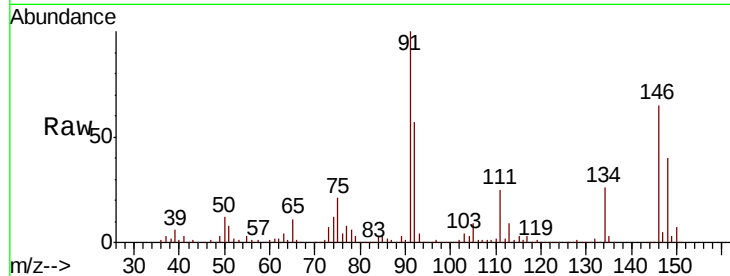
#89
 n-Butylbenzene
 Concen: 18.47 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion:	91	Resp:	211526
Ion Ratio	Lower	Upper	
91	100		
92	54.6	27.1	81.3
134	25.9	13.6	40.7

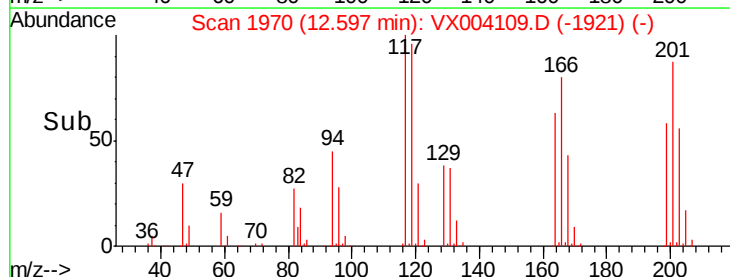
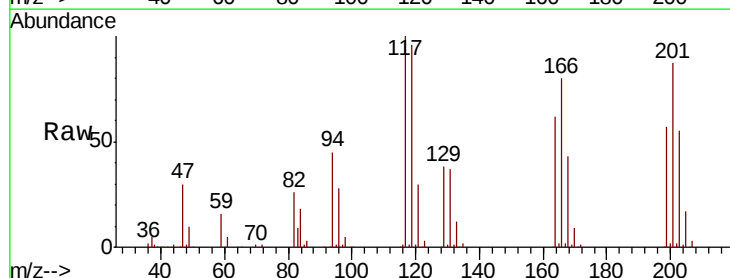
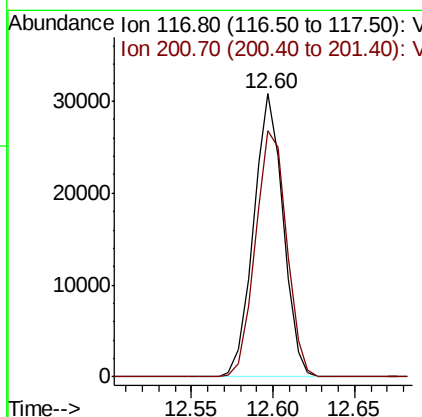
Manual Integrations
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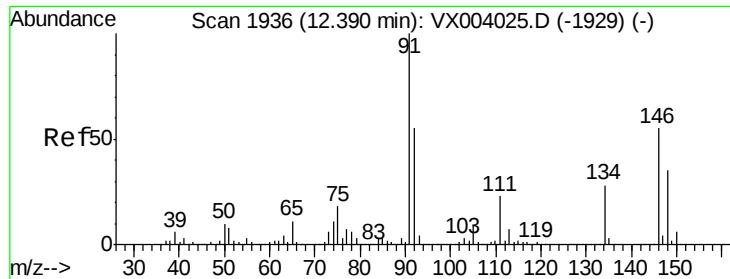
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#90
 Hexachloroethane
 Concen: 17.88 ug/l
 RT: 12.60 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion:	117	Resp:	38887
Ion Ratio	Lower	Upper	
117	100		
201	91.7	46.1	138.2





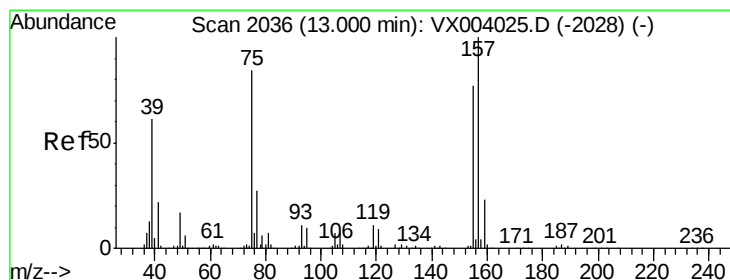
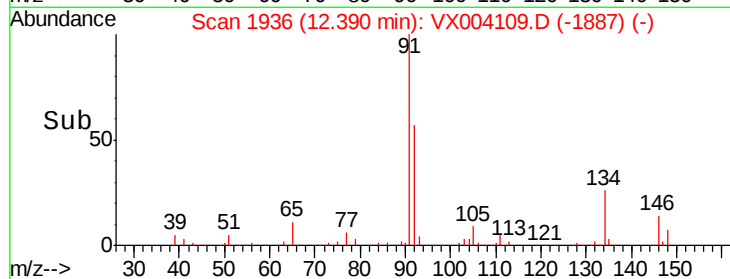
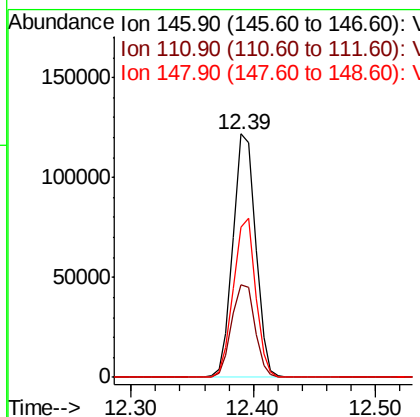
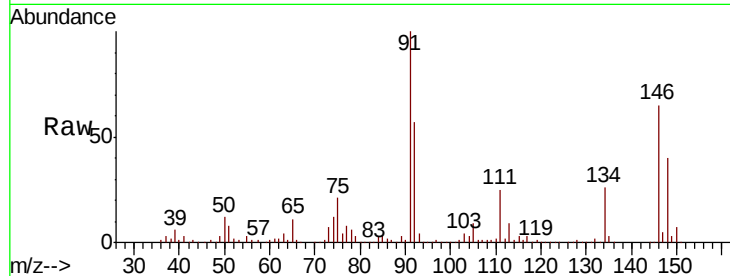
#91
 1,2-Dichlorobenzene
 Concen: 19.71 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.0	31.9	95.5

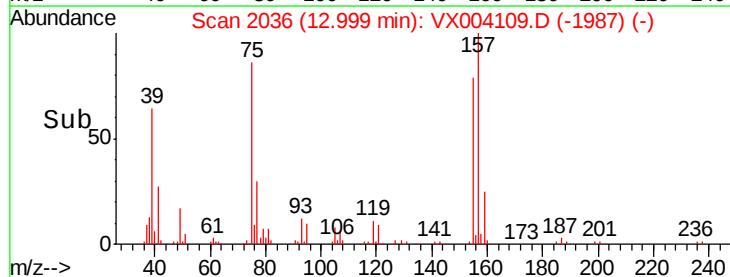
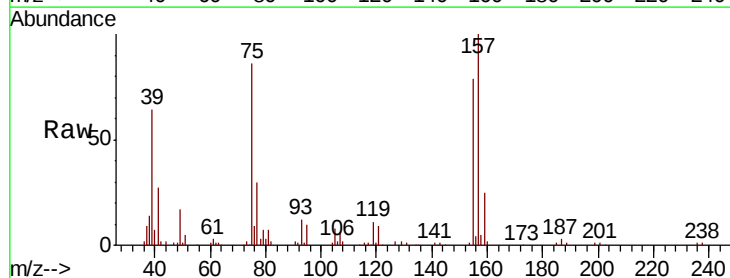
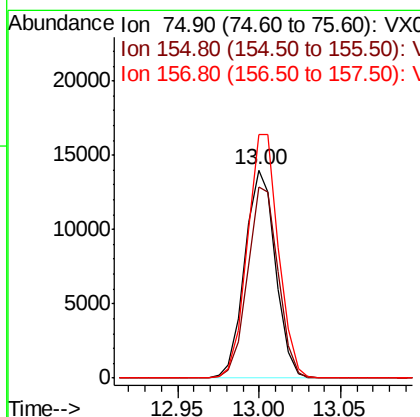
Manual Integrations
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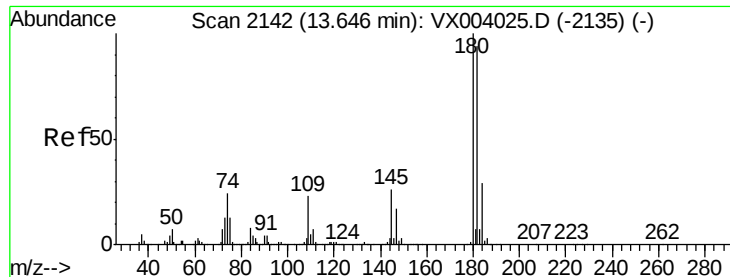
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.04 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	48.7	146.1
157	118.7	62.6	187.8





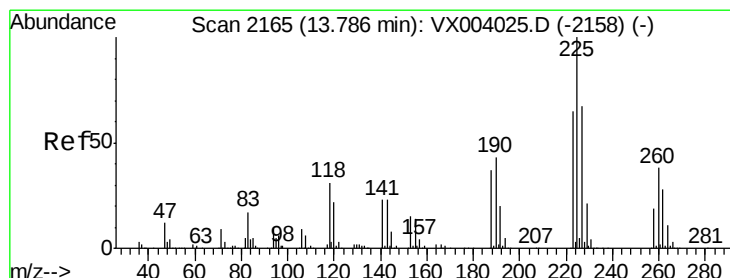
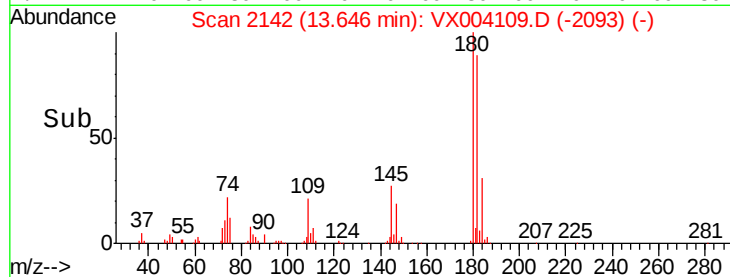
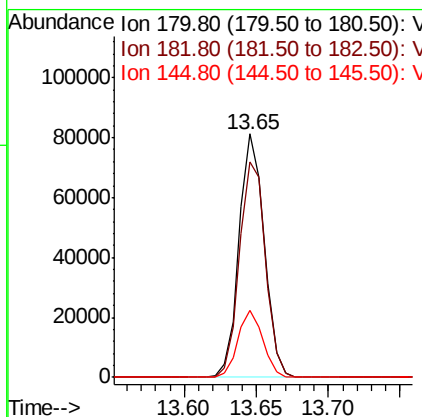
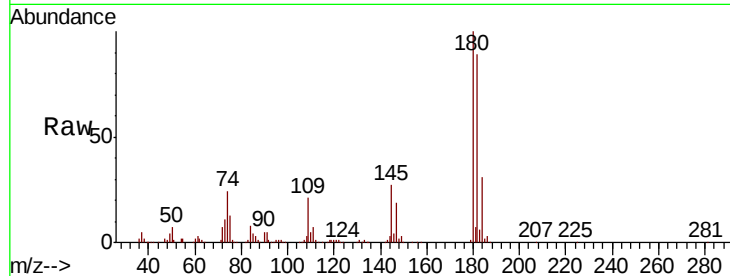
#93
 1,2,4-Trichlorobenzene
 Concen: 18.37 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.3	47.7	143.1	
145	27.4	13.9	41.6	

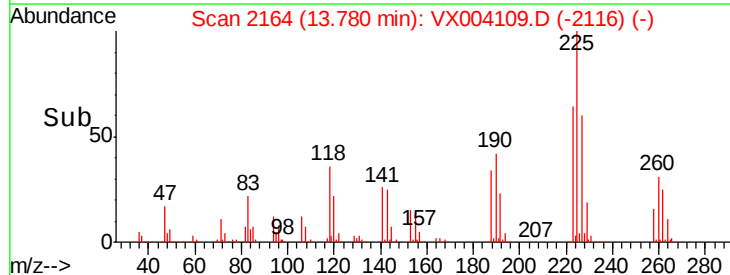
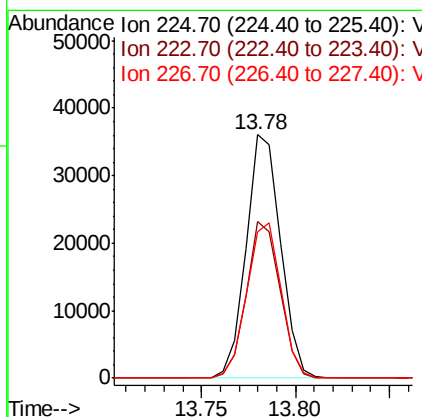
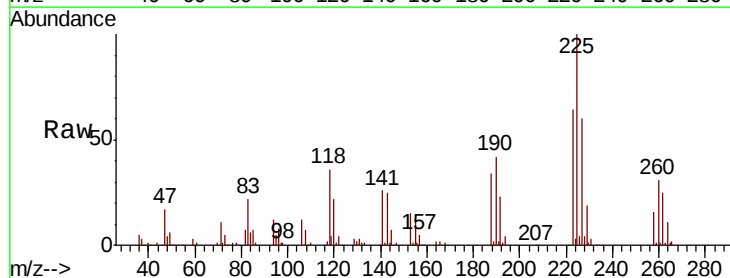
Manual Integrations
 APPROVED

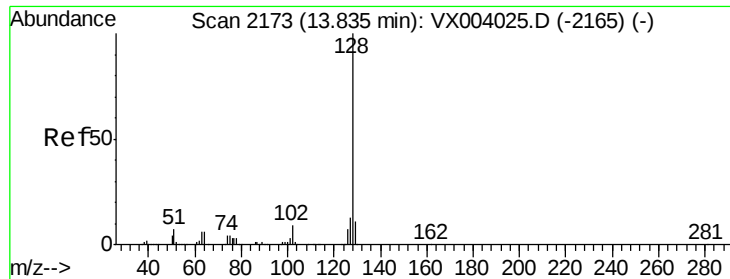
MMDadoda
 8/16/2018 4:40:13 PM



#94
 Hexachlorobutadiene
 Concen: 16.94 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004109.D
 Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.4	94.0	
227	63.6	32.1	96.5	





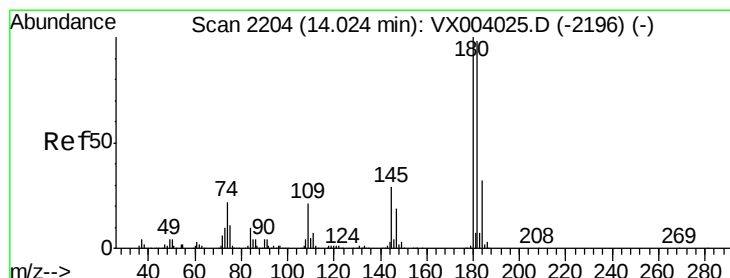
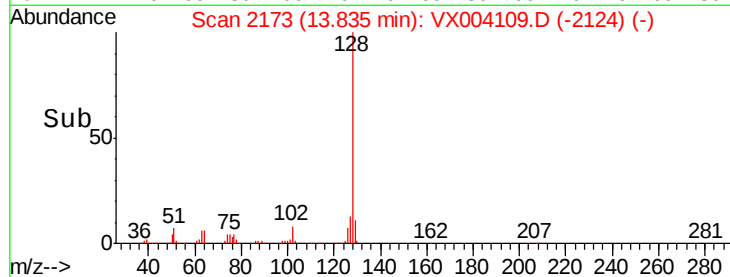
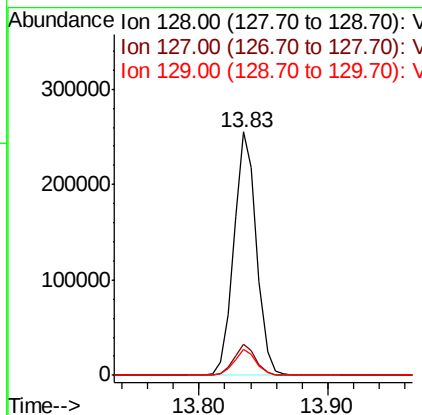
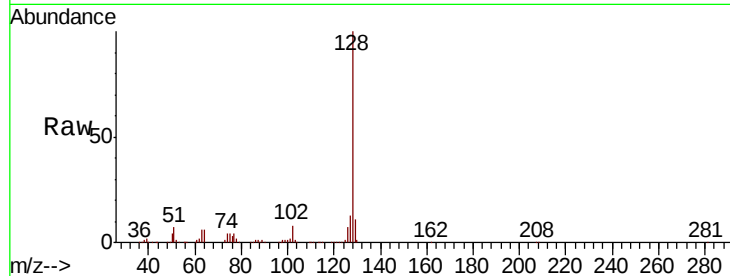
#95
Naphthalene
Concen: 18.85 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:40:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.60 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004109.D
Acq: 16 Aug 2018 08:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	30.9	14.9	44.7

