

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004146.D
 Acq On : 20 Aug 2018 12:16
 Operator : JC/MD
 Sample : VX0820WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:30:48 AM

Quant Time: Aug 21 01:37:37 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	5.66	168	256852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200895	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
35) Dibromofluoromethane	5.50	113	163250	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
50) Toluene-d8	8.71	98	620134	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
62) 4-Bromofluorobenzene	11.14	95	225554	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46938	18.77	ug/l	99
3) Chloromethane	1.32	50	65397	21.31	ug/l	100
4) Vinyl Chloride	1.40	62	60867	18.33	ug/l	99
5) Bromomethane	1.64	94	35022	20.71	ug/l	98
6) Chloroethane	1.72	64	45413	19.72	ug/l	96
7) Trichlorofluoromethane	1.93	101	86820	18.64	ug/l	98
8) Diethyl Ether	2.18	74	42153	20.73	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55029	18.94	ug/l	99
10) Methyl Iodide	2.51	142	46305	18.44	ug/l	100
11) Tert butyl alcohol	3.04	59	76892	105.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51368	19.01	ug/l	94
13) Acrolein	2.29	56	59637	126.28	ug/l	100
14) Allyl chloride	2.73	41	100554	19.56	ug/l	97
15) Acrylonitrile	3.14	53	191210	105.23	ug/l	100
16) Acetone	2.43	43	218841	116.31	ug/l	99
17) Carbon Disulfide	2.57	76	128010	16.70	ug/l	100
18) Methyl Acetate	2.77	43	95463	22.83	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	197989	20.80	ug/l	99
20) Methylene Chloride	2.86	84	66610	21.31	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	58521	19.07	ug/l	98
22) Diisopropyl ether	3.86	45	207169	20.56	ug/l	94
23) Vinyl Acetate	3.82	43	874233	105.65	ug/l	100
24) 1,1-Dichloroethane	3.70	63	117347	20.56	ug/l	99
25) 2-Butanone	4.69	43	329585	107.66	ug/l	98
26) 2,2-Dichloropropane	4.58	77	88544	19.52	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	70104	20.32	ug/l	98
28) Bromochloromethane	5.01	49	59387	22.68	ug/l	98
29) Tetrahydrofuran	5.15	42	156630	100.14	ug/l	98
30) Chloroform	5.21	83	114771	20.61	ug/l	100
31) Cyclohexane	5.57	56	85940	17.18	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	92568	19.89	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80623	18.88	ug/l	99
37) Ethyl Acetate	4.85	43	97516	20.96	ug/l	100
38) Carbon Tetrachloride	5.78	117	78896	19.01	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81812	16.88	ug/l	97
40) Benzene	6.14	78	262525	20.47	ug/l	97
41) Methacrylonitrile	5.06	41	53954	20.71	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95227	21.21	ug/l	99
43) Isopropyl Acetate	6.46	43	140405	20.48	ug/l	99
44) Trichloroethene	7.21	130	68441	19.66	ug/l	93
45) 1,2-Dichloropropane	7.51	63	68612	20.90	ug/l	99
46) Dibromomethane	7.66	93	45372	21.15	ug/l	99
47) Bromodichloromethane	7.90	83	85536	21.05	ug/l	99
48) Methyl methacrylate	7.77	41	72611	21.04	ug/l	99
49) 1,4-Dioxane	7.76	88	32157	413.84	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	618495	110.02	ug/l	99
52) Toluene	8.79	92	168198	20.74	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	90815	20.69	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	101207	20.82	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	71177	21.25	ug/l	99
56) Ethyl methacrylate	9.18	69	93849	20.60	ug/l	99
57) 1,3-Dichloropropane	9.37	76	120983	21.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	260562	112.34	ug/l	100
59) 2-Hexanone	9.49	43	467567	110.51	ug/l	98
60) Dibromochloromethane	9.59	129	66912	20.76	ug/l	99
61) 1,2-Dibromoethane	9.67	107	73288	21.46	ug/l	99
64) Tetrachloroethene	9.34	164	62970	18.04	ug/l	93
65) Chlorobenzene	10.14	112	193740	20.36	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	66720	20.56	ug/l	99
67) Ethyl Benzene	10.25	91	296199	19.66	ug/l	99
68) m/p-Xylenes	10.36	106	238747	40.47	ug/l	98
69) o-Xylene	10.70	106	108014	19.16	ug/l	93
70) Styrene	10.71	104	184293	19.42	ug/l	99
71) Bromoform	10.86	173	49964	19.42	ug/l #	99
73) Isopropylbenzene	11.02	105	298707	19.50	ug/l	96
74) N-amyl acetate	6.46	43	140405	19.49	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	110614	20.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	97885m	21.56	ug/l	
77) Bromobenzene	11.26	156	85238	20.19	ug/l	98
78) n-propylbenzene	11.36	91	336504	19.63	ug/l	100
79) 2-Chlorotoluene	11.42	91	208784	19.98	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	245616	19.58	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	28795	19.64	ug/l	94
82) 4-Chlorotoluene	11.51	91	246155	19.93	ug/l	99
83) tert-Butylbenzene	11.77	119	239524	18.94	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	264750	20.38	ug/l	99
85) sec-Butylbenzene	11.94	105	278774	18.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	257833	19.24	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	156266	19.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	162498	19.60	ug/l	99
89) n-Butylbenzene	12.39	91	205393	19.45	ug/l	97
90) Hexachloroethane	12.60	117	37403	18.66	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	158356	21.80	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21600	22.97	ug/l	96

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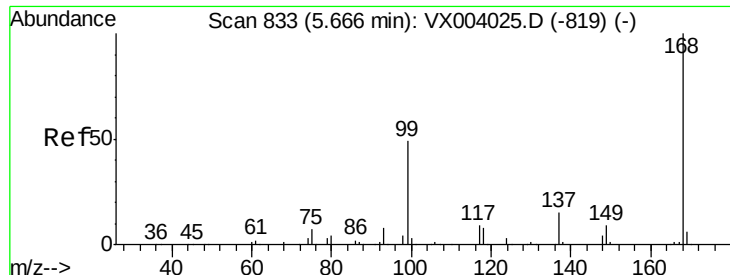
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103699	20.89	ug/l	99
94) Hexachlorobutadiene	13.79	225	43191	17.35	ug/l	99
95) Naphthalene	13.83	128	311712	20.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108693	20.08	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion:168 Resp: 256852

Ion Ratio Lower Upper

168 100

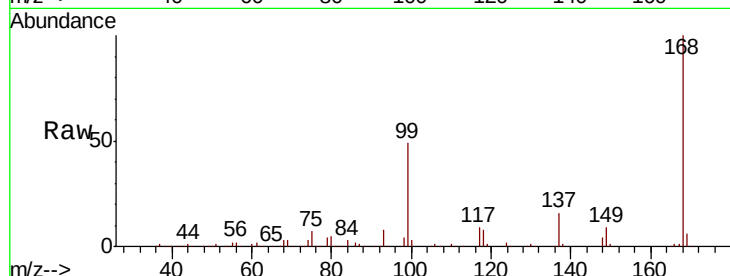
99 49.4 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

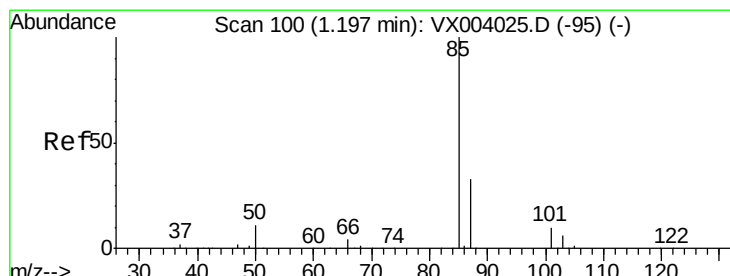
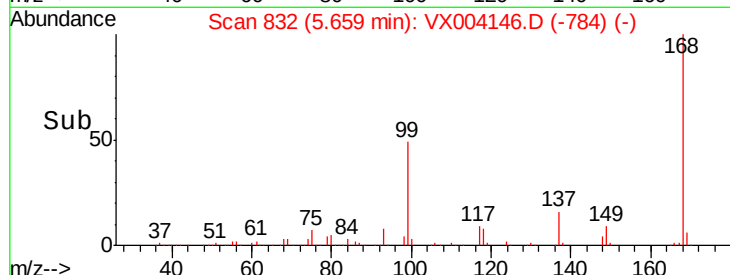
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.77 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004146.D

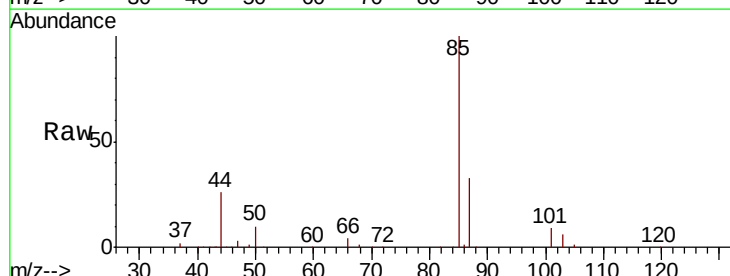
Acq: 20 Aug 2018 12:16

Tgt Ion: 85 Resp: 46938

Ion Ratio Lower Upper

85 100

87 32.5 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

50000

40000

30000

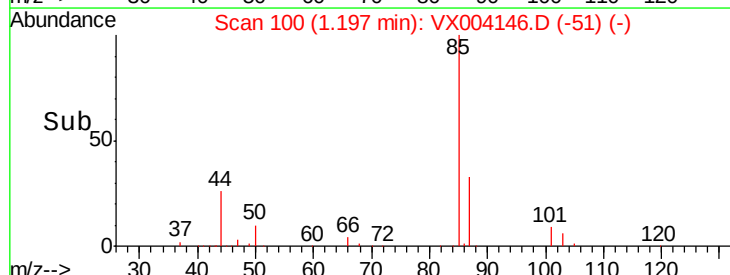
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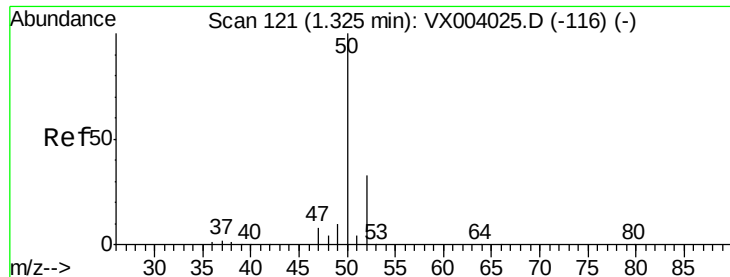
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 50 Resp: 65397

Ion Ratio Lower Upper

50 100

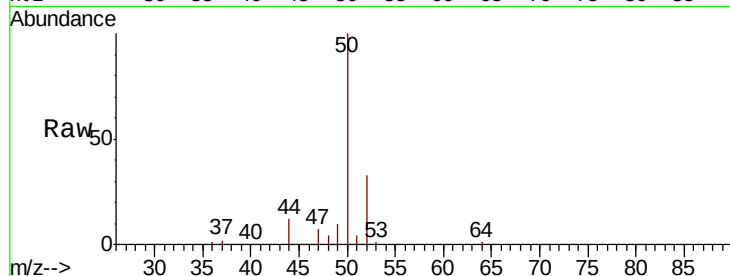
52 32.9 26.6 39.8

Manual Integrations

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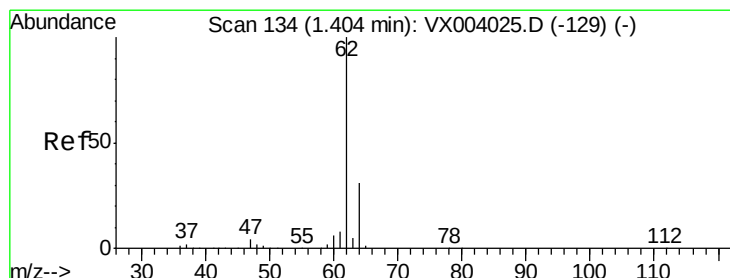
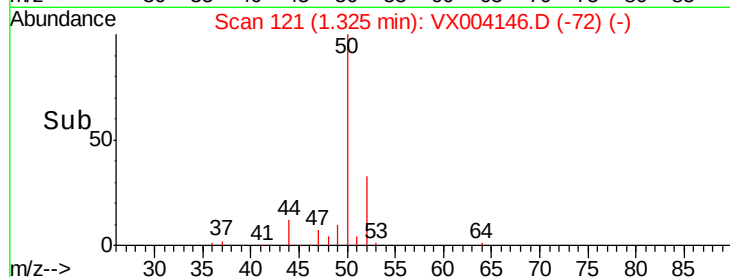
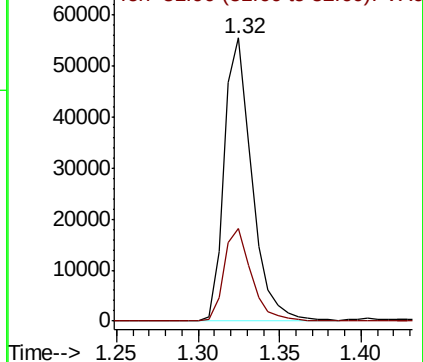
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004146.D

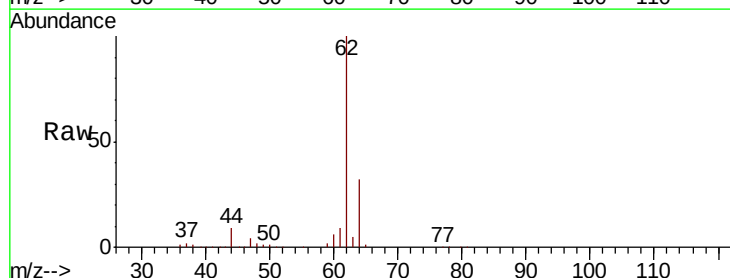
Acq: 20 Aug 2018 12:16

Tgt Ion: 62 Resp: 60867

Ion Ratio Lower Upper

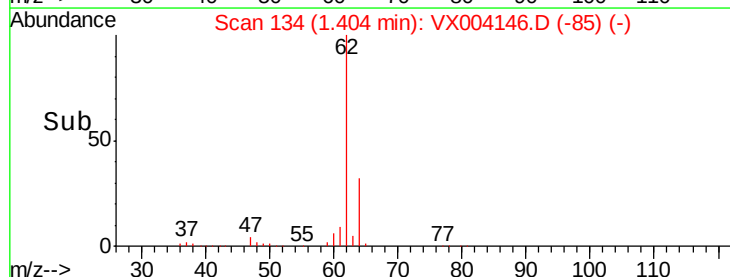
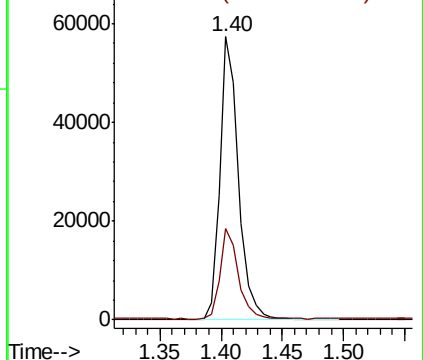
62 100

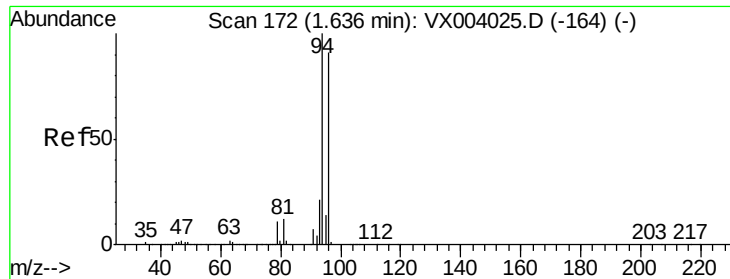
64 32.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.71 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 94 Resp: 35022

Ion Ratio Lower Upper

94 100

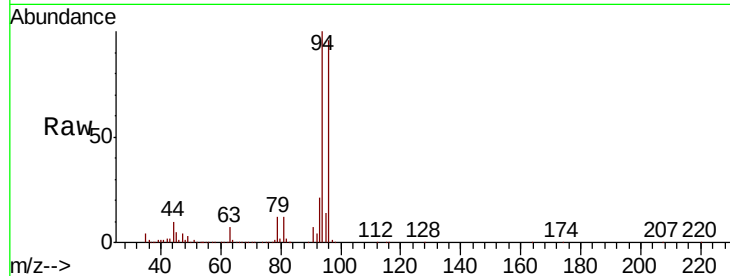
96 96.1 75.2 112.8

Manual Integrations

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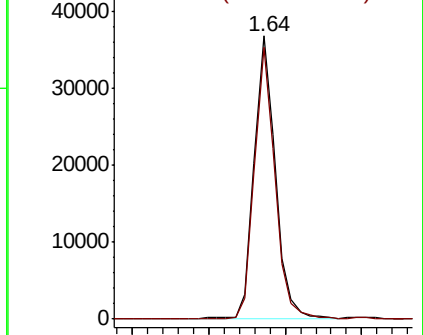
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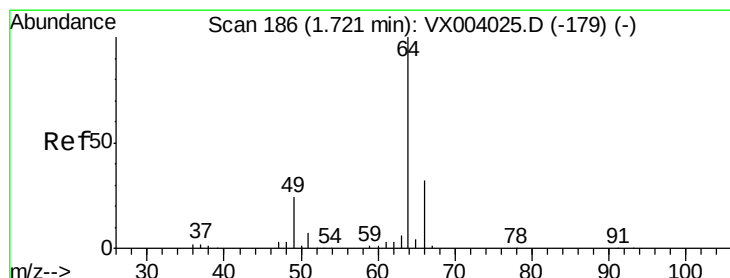
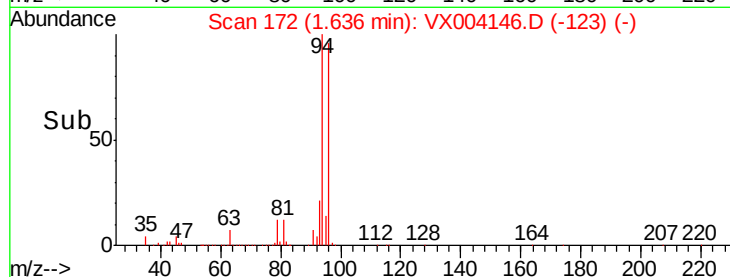


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 19.72 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004146.D

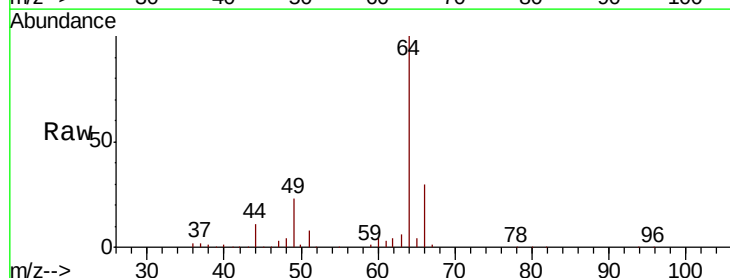
Acq: 20 Aug 2018 12:16

Tgt Ion: 64 Resp: 45413

Ion Ratio Lower Upper

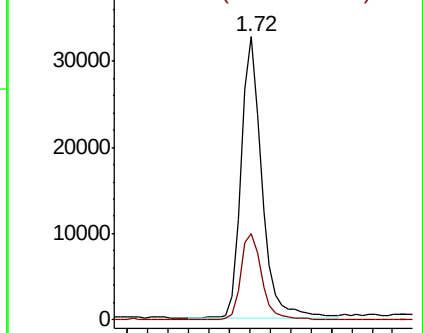
64 100

66 30.6 26.5 39.7

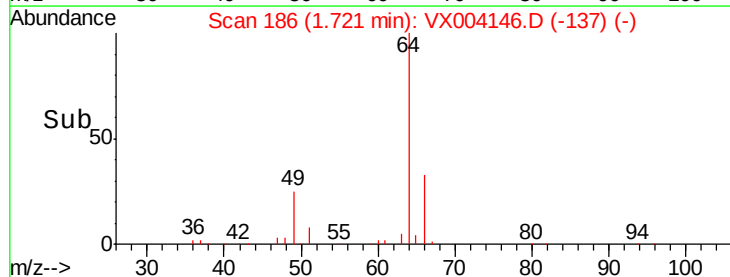


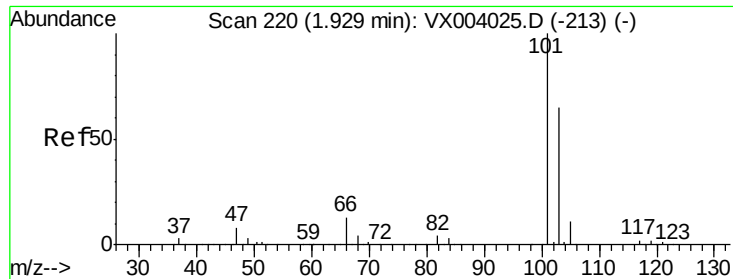
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

Trichlorofluoromethane

Concen: 18.64 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

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ClientSampleId :

VX0820WBS01

Tot Ion:101 Resp: 86820

Ion Ratio Lower Upper

101 100

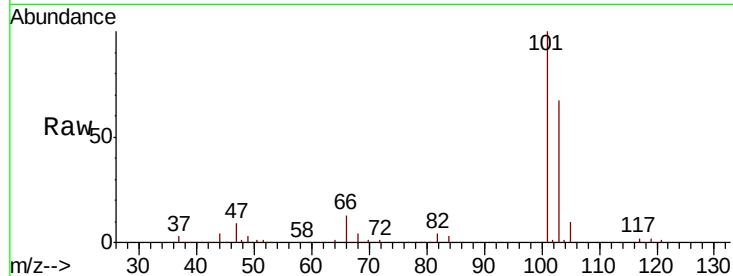
103 67.0 52.3 78.5

Manual Integrations

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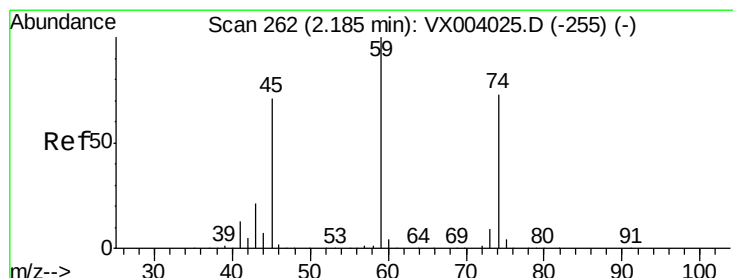
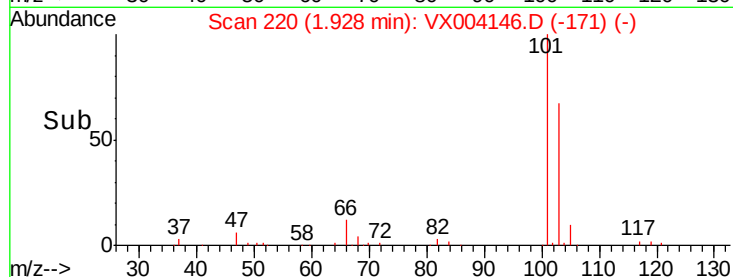
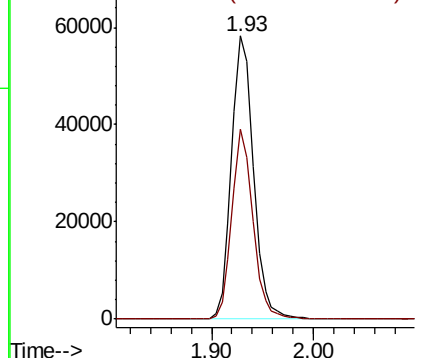
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.73 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004146.D

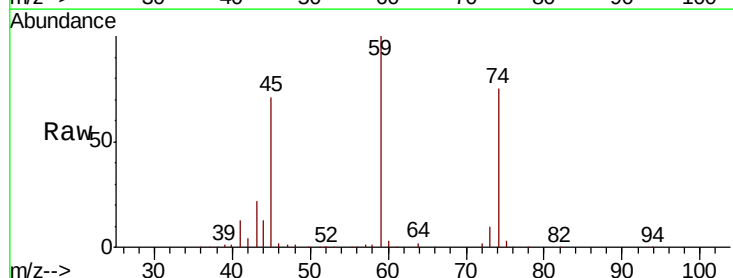
Acq: 20 Aug 2018 12:16

Tgt Ion: 74 Resp: 42153

Ion Ratio Lower Upper

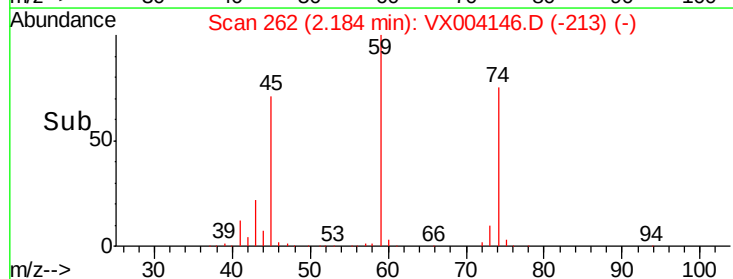
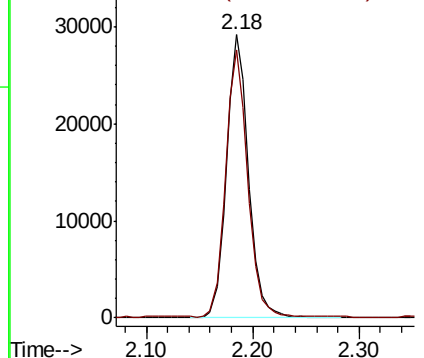
74 100

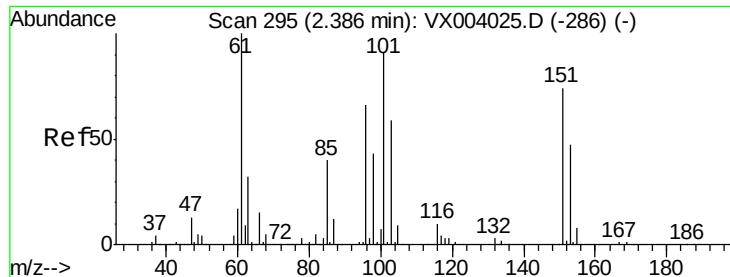
45 93.8 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.94 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

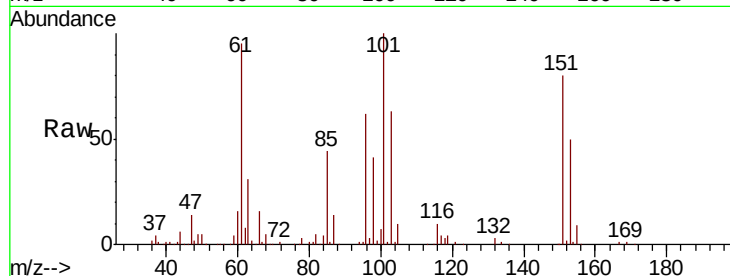
ClientSampleId :

VX0820WBS01

Tot Ion:	101	Resp:	55029
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.4
151	82.3	65.0	97.4

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8/21/2018 11:30:48 AM

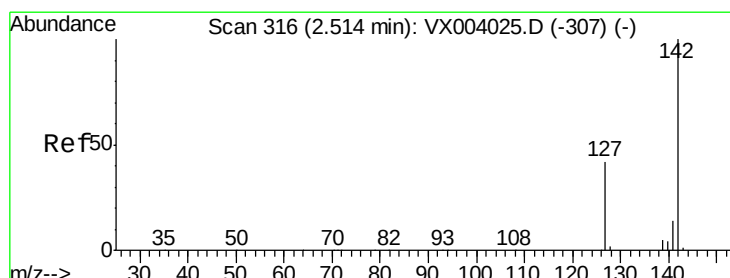
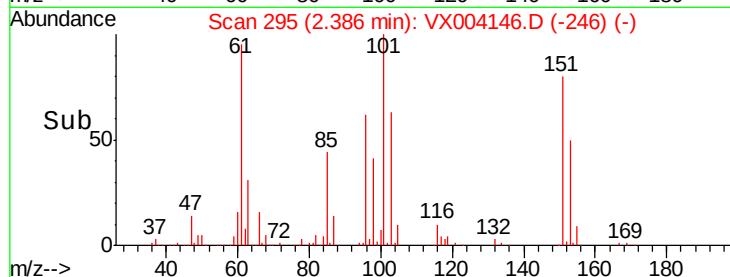
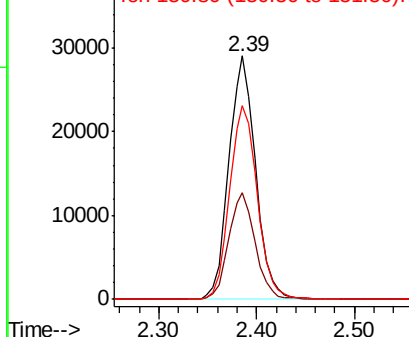


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.44 ug/l

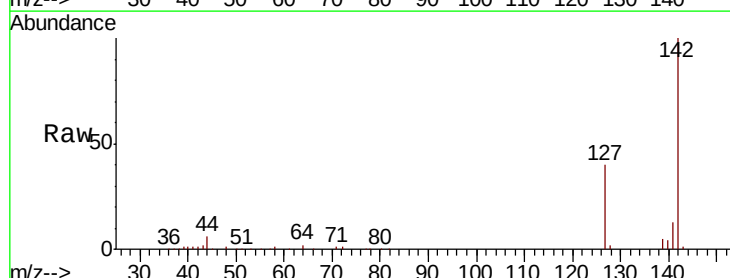
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion:	142	Resp:	46305
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.1	49.7
141	13.7	11.1	16.7

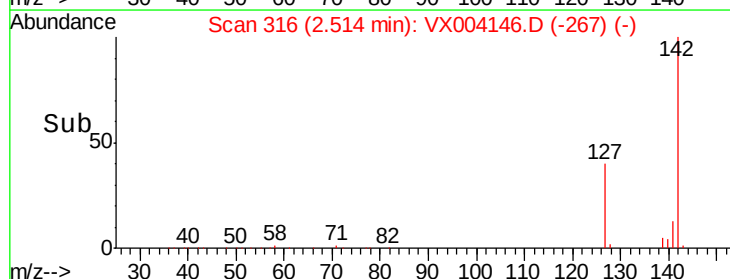
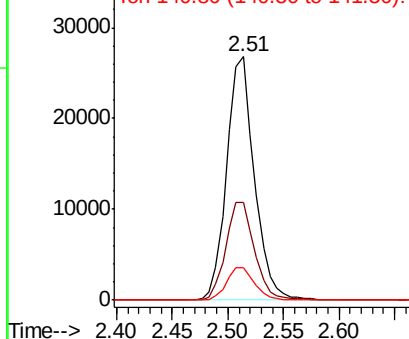


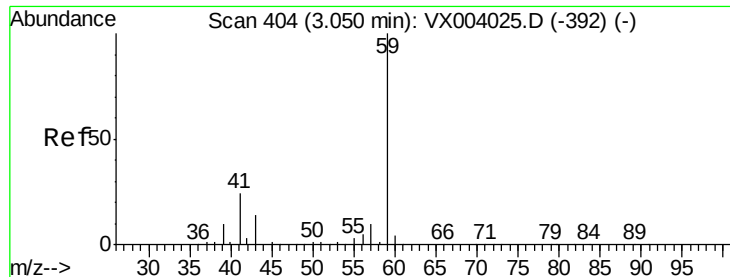
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

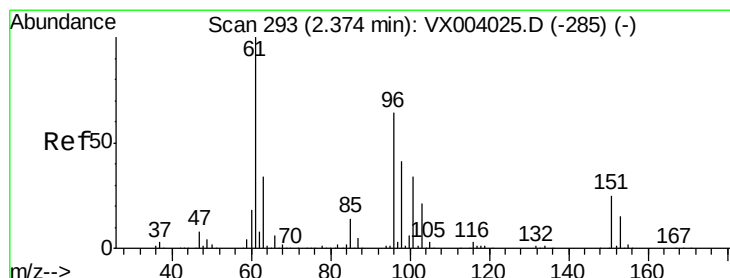
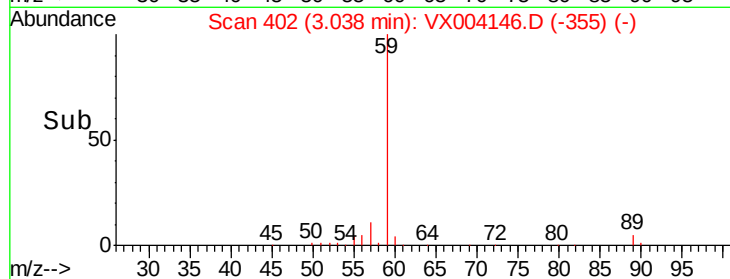
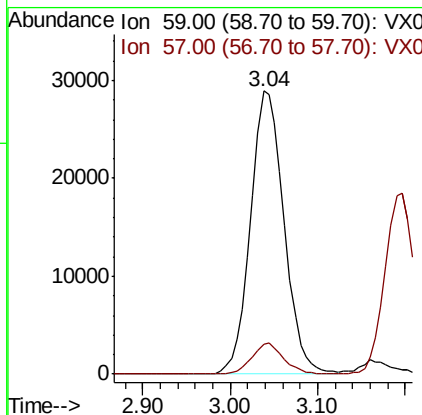
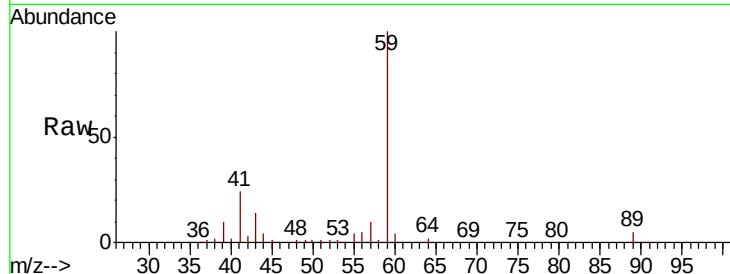
Tert butyl alcohol
 Concen: 105.51 ug/l
 RT: 3.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
 APPROVED

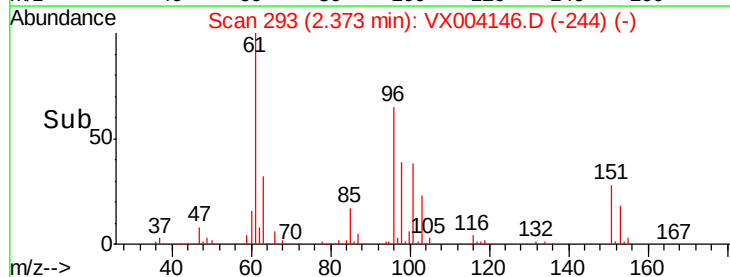
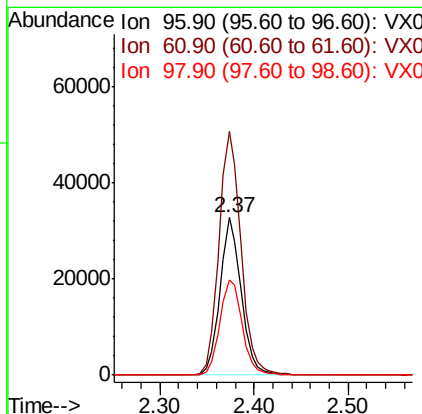
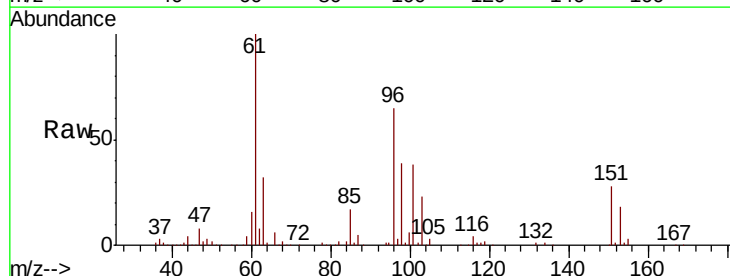
MMDadoda
 8/21/2018 11:30:48 AM

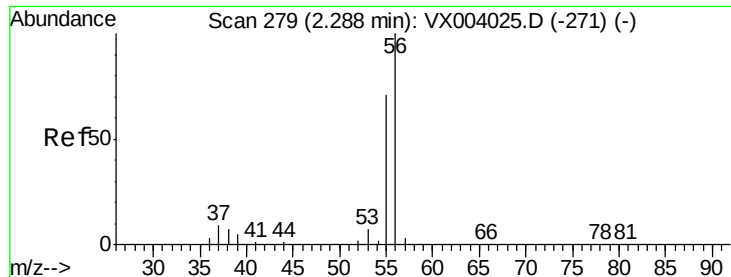


#12

1,1-Dichloroethene
 Concen: 19.01 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	131.3	196.9
98	60.7	51.8	77.6





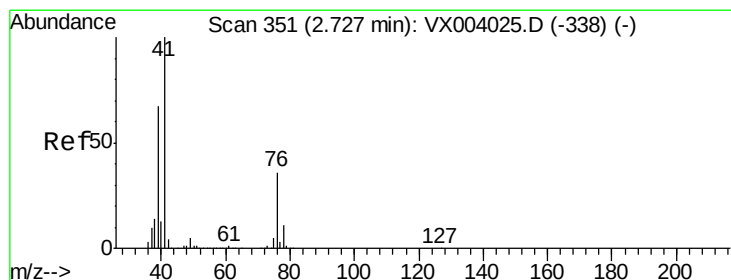
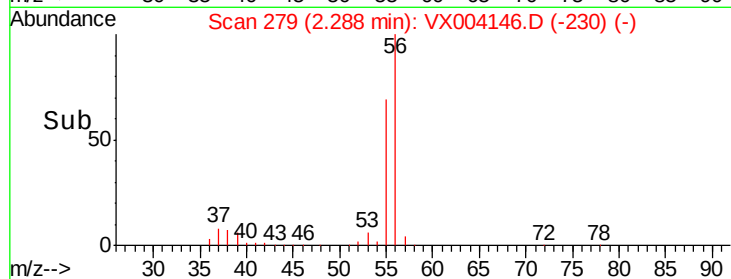
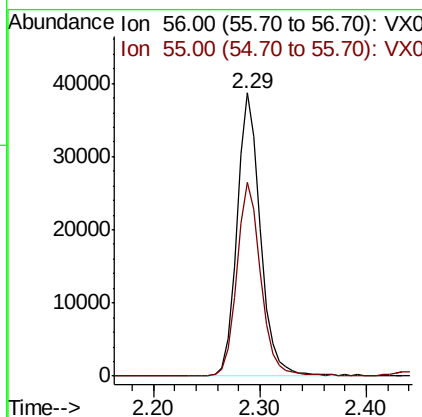
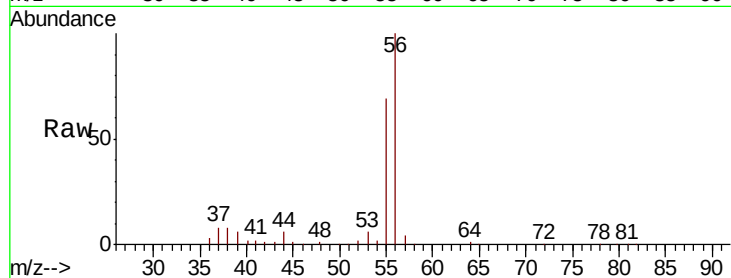
#13
Acrolein
Concen: 126.28 ug/l
RT: 2.29 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1

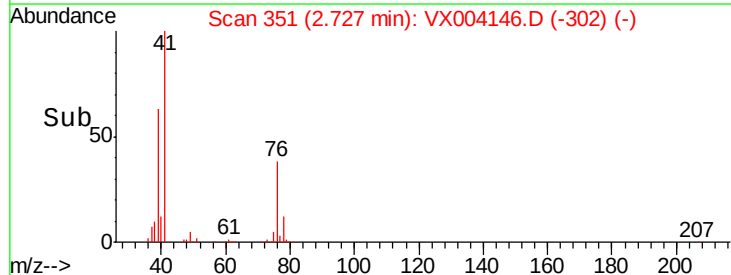
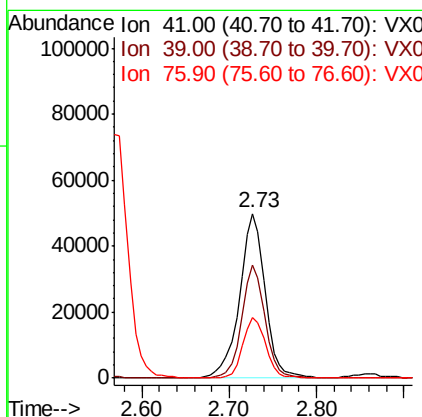
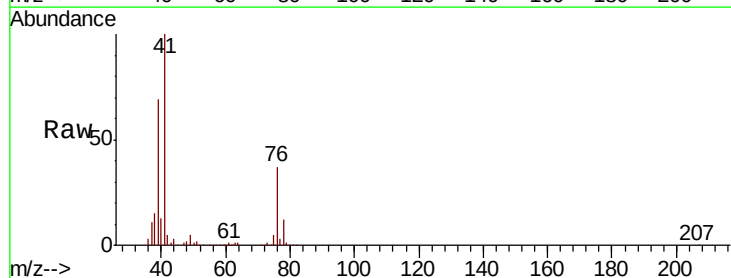
Manual Integrations
APPROVED

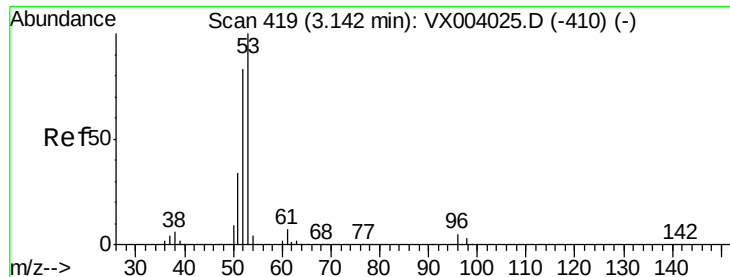
MMDadoda
8/21/2018 11:30:48 AM



#14
Allyl chloride
Concen: 19.56 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.4	47.4	71.0
76	32.9	26.0	39.0





#15

Acrylonitrile

Concen: 105.23 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

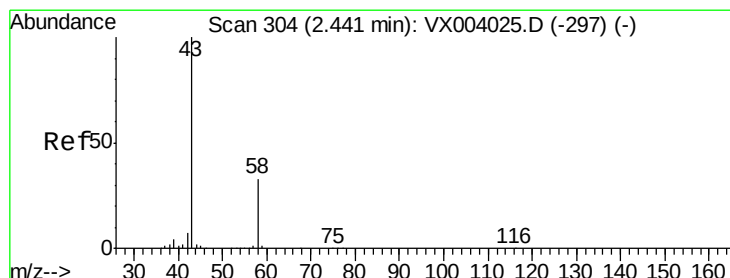
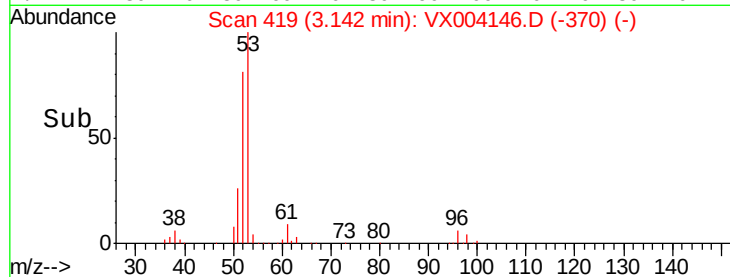
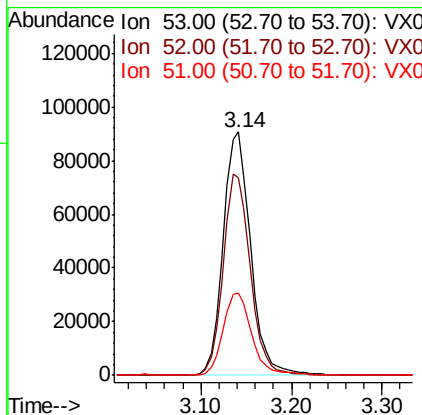
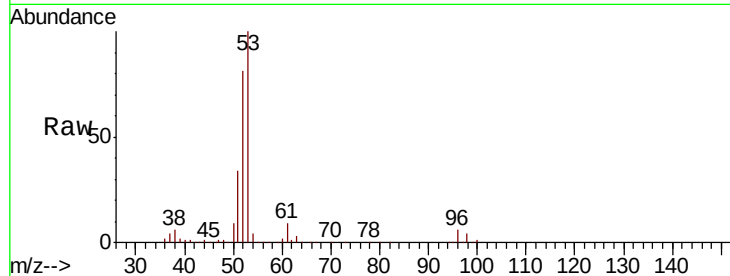
ClientSampleId :

VX0820WBS01

Tot Ion:	53	Resp:	191210
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.3	97.9
51	35.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 116.31 ug/l

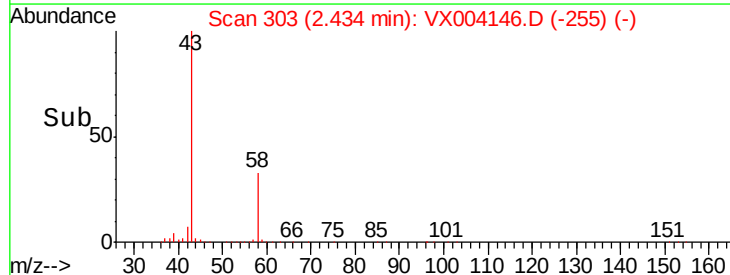
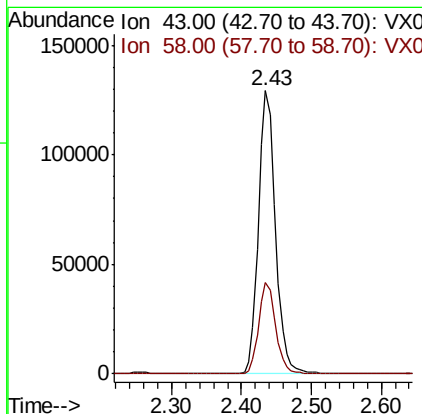
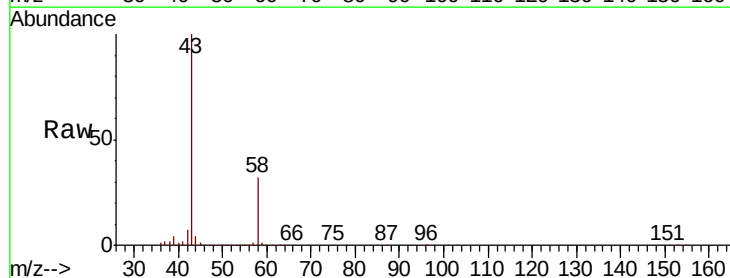
RT: 2.43 min Scan# 303

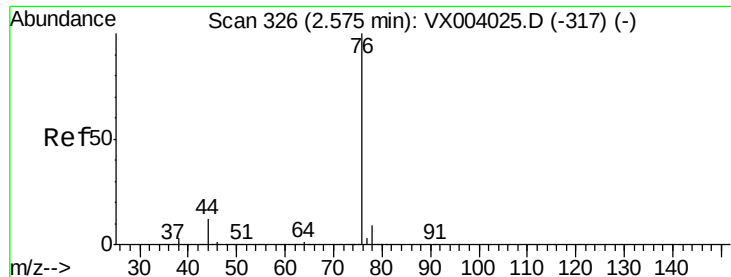
Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion:	43	Resp:	218841
Ion Ratio		Lower	Upper
43	100		
58	32.5	26.4	39.6





#17

Carbon Disulfide

Concen: 16.70 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 76 Resp: 128010

Ion Ratio Lower Upper

76 100

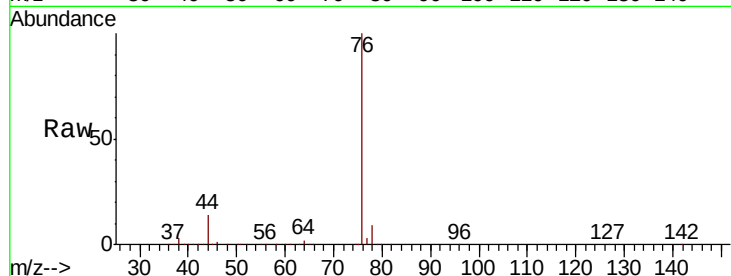
78 9.2 7.5 11.3

Manual Integrations

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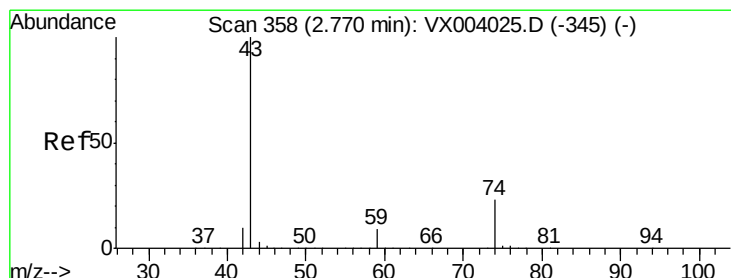
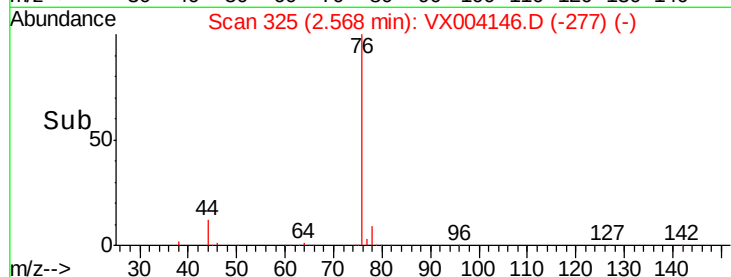
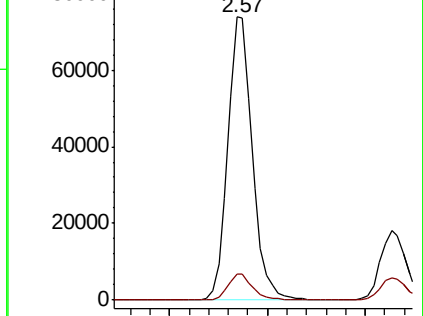
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.83 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004146.D

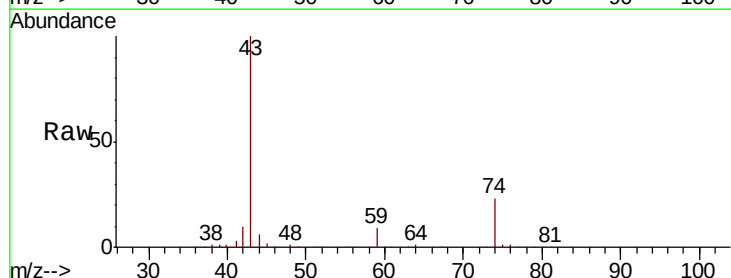
Acq: 20 Aug 2018 12:16

Tgt Ion: 43 Resp: 95463

Ion Ratio Lower Upper

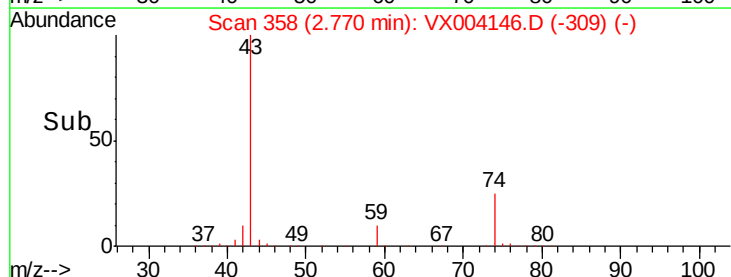
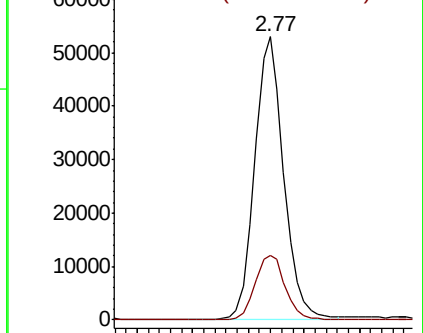
43 100

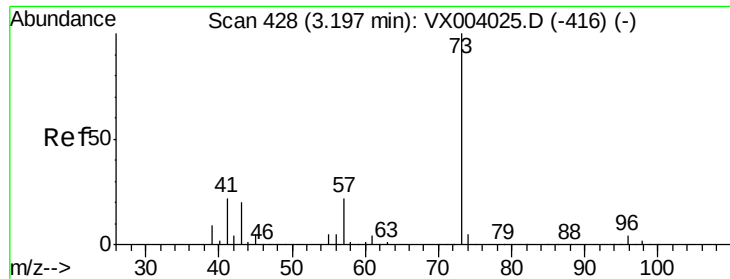
74 24.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





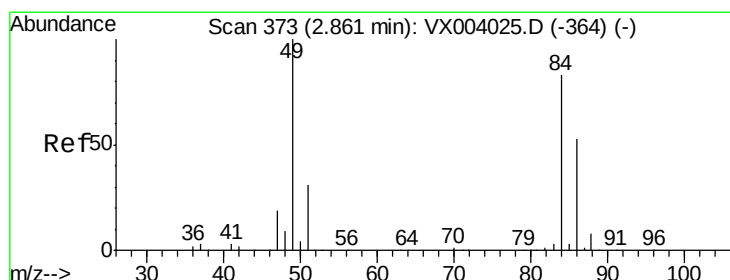
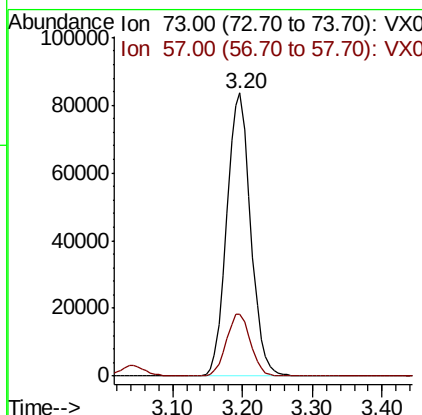
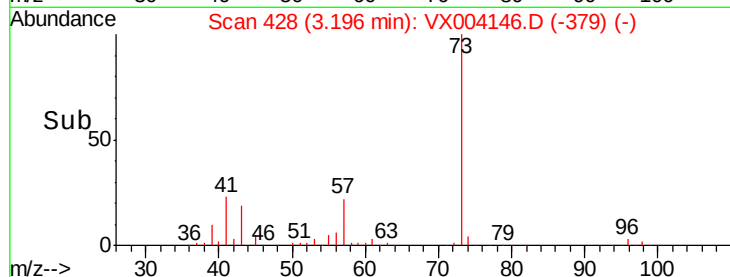
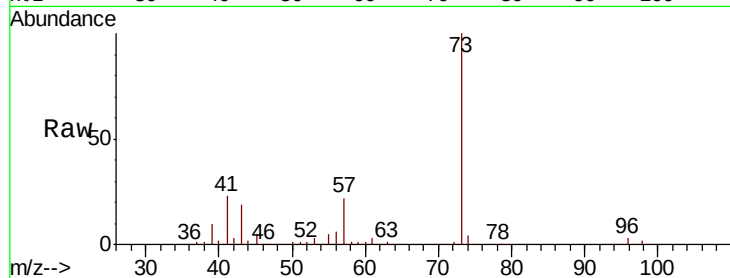
#19
Methvl tert-butvl Ether
Concen: 20.80 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion: 73 Resp: 197989
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

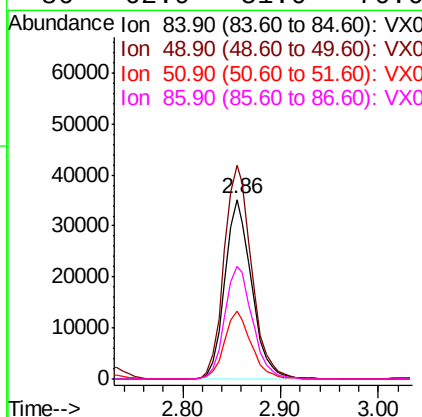
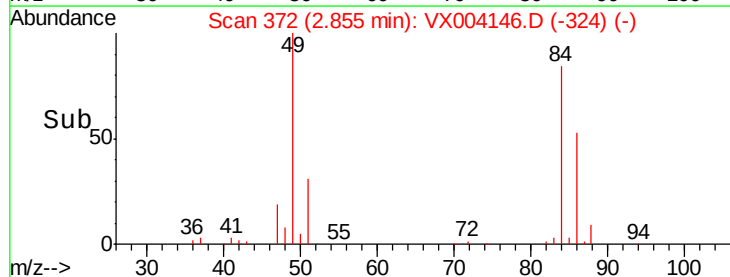
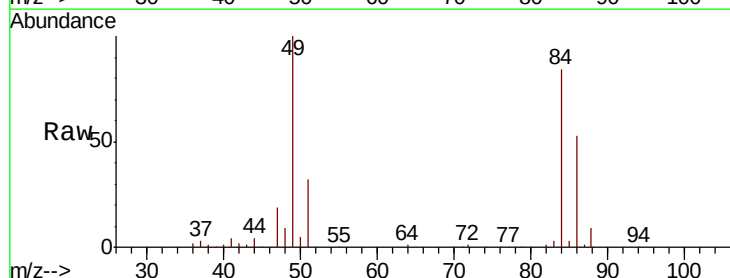
Manual Integrations
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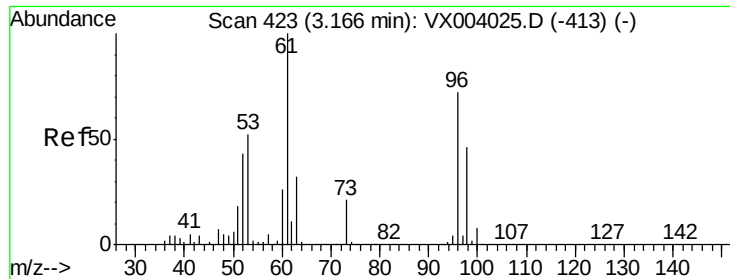
MMDadoda
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#20
Methylene Chloride
Concen: 21.31 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion: 84 Resp: 66610
Ion Ratio Lower Upper
84 100
49 119.2 98.9 148.3
51 37.6 29.9 44.9
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.07 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0820WBS01

Tot Ion: 96 Resp: 58521

Ion Ratio Lower Upper

96 100

61 136.3 111.8 167.6

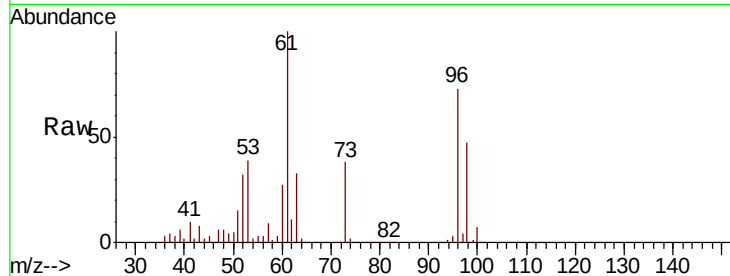
98 64.3 51.8 77.6

Manual Integrations

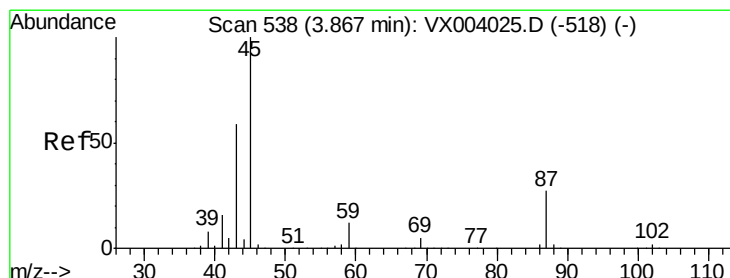
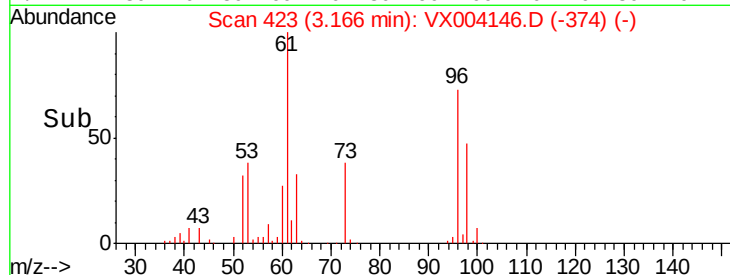
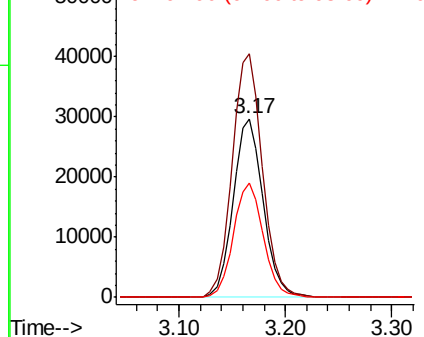
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.56 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion: 45 Resp: 207169

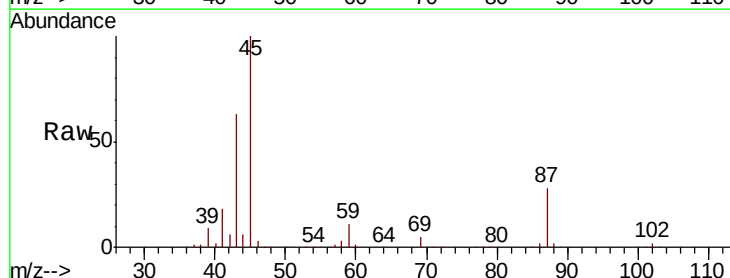
Ion Ratio Lower Upper

45 100

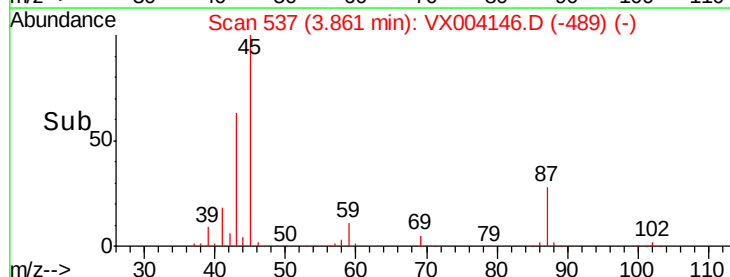
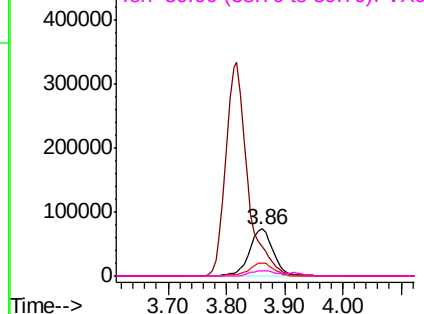
43 63.0 45.3 67.9

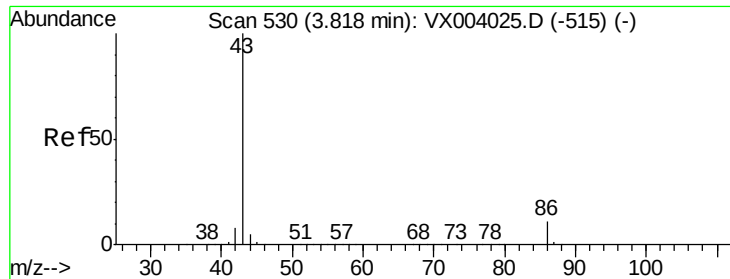
87 28.0 22.7 34.1

59 11.3 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 105.65 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 43 Resp: 874233

Ion Ratio Lower Upper

43 100

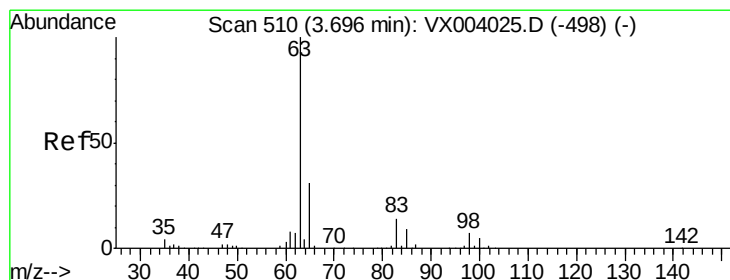
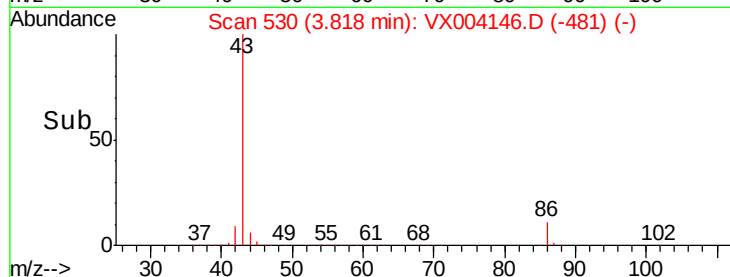
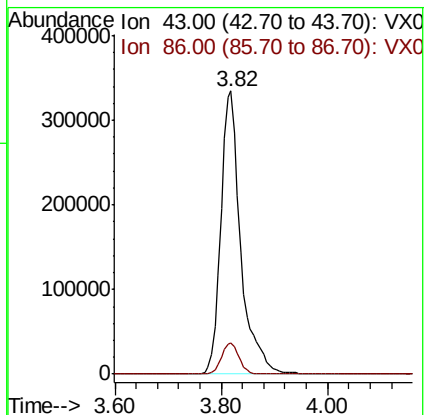
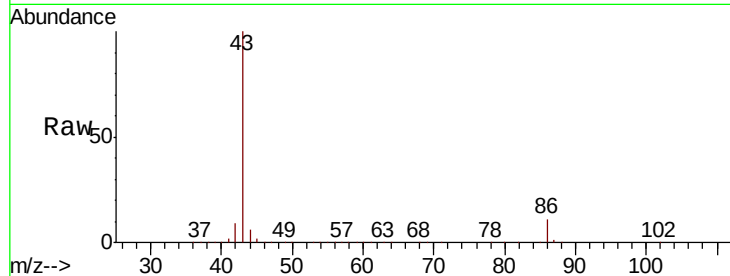
86 11.0 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.56 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

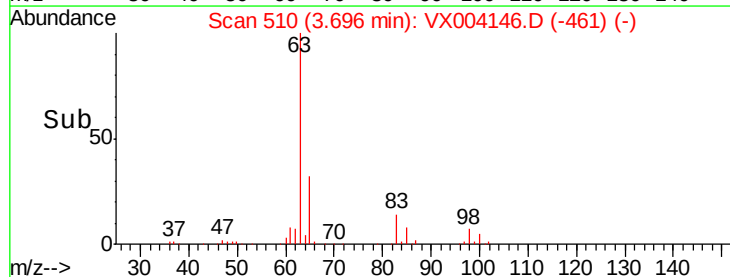
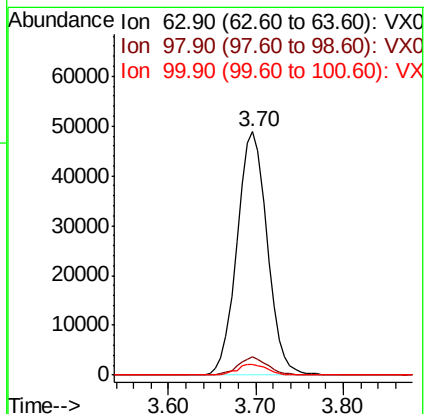
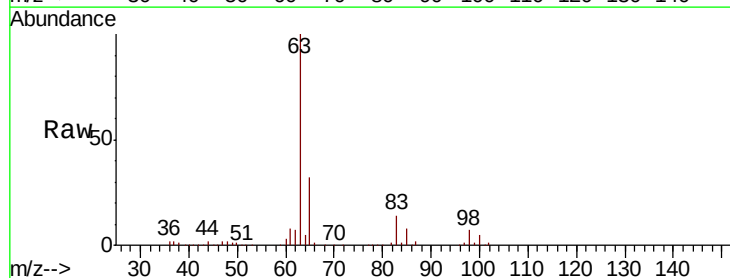
Tgt Ion: 63 Resp: 117347

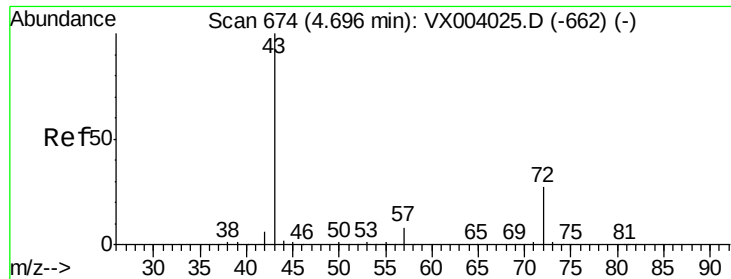
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 107.66 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 43 Resp: 329585

Ion Ratio Lower Upper

43 100

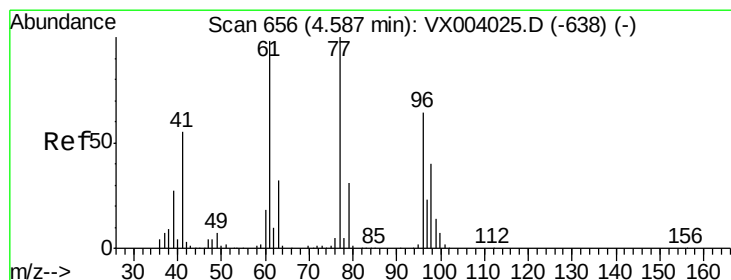
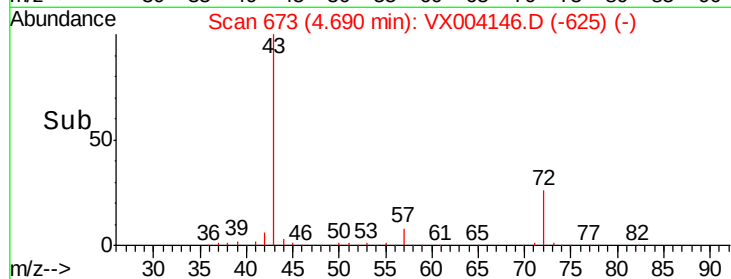
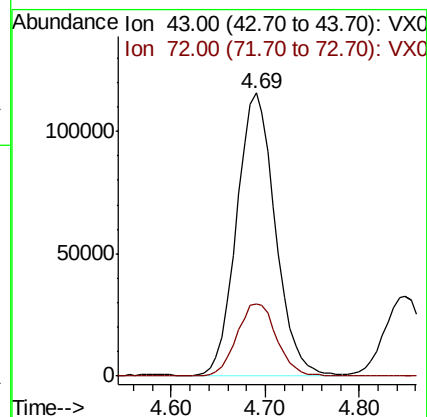
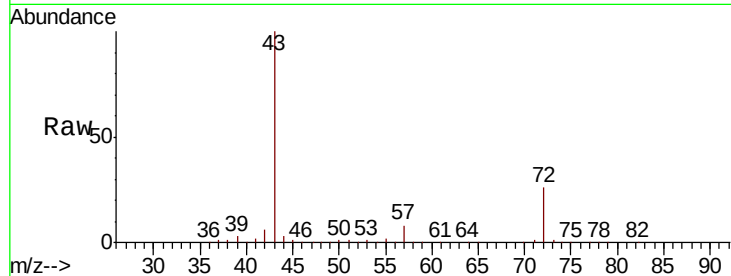
72 25.5 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.52 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004146.D

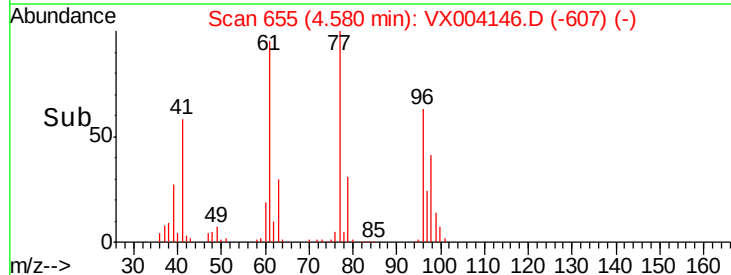
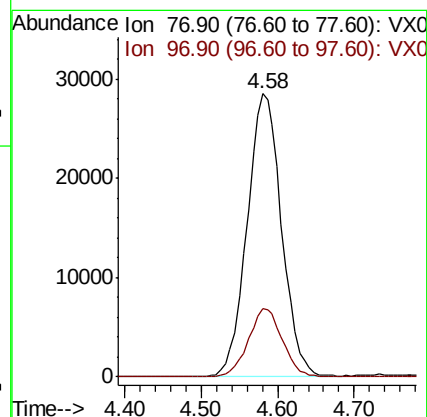
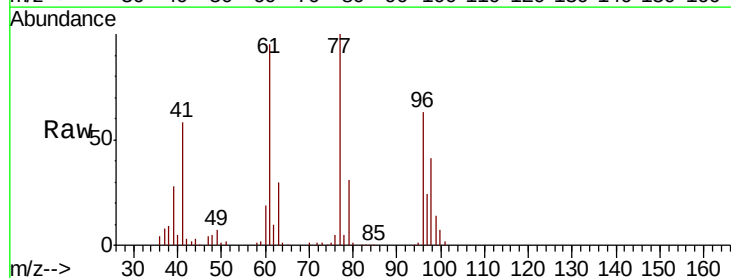
Acq: 20 Aug 2018 12:16

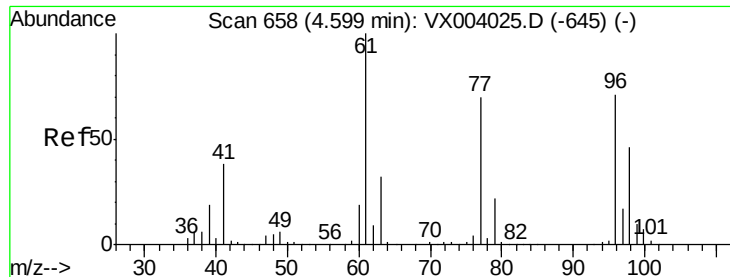
Tgt Ion: 77 Resp: 88544

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.32 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

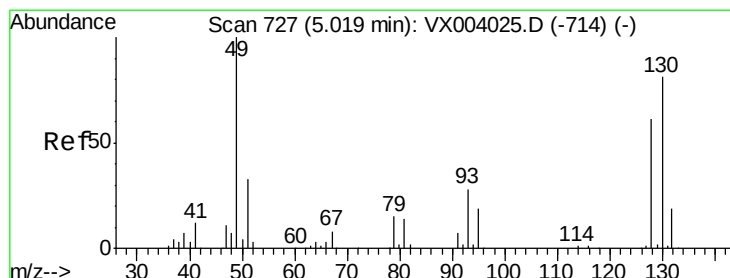
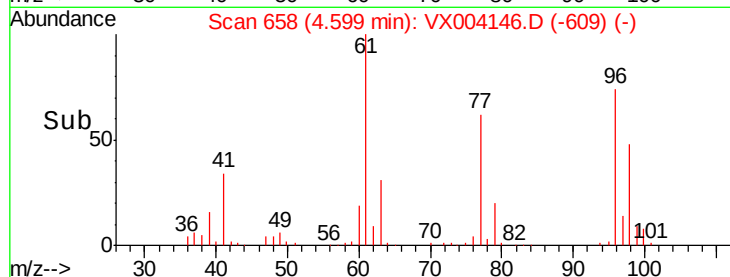
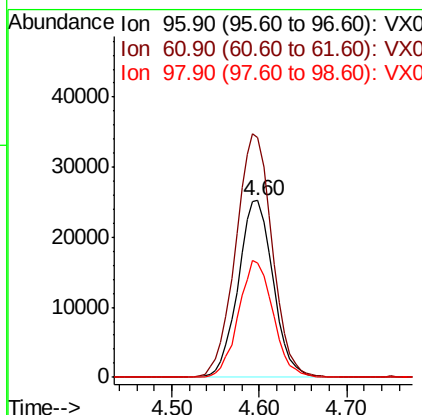
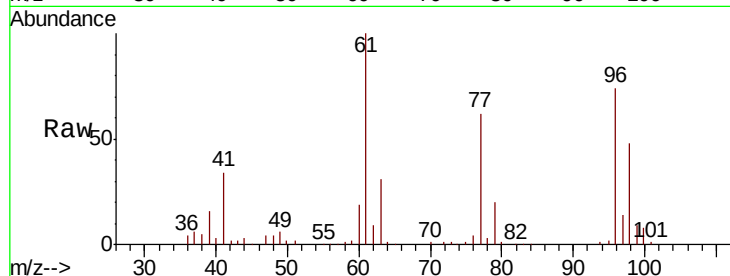
ClientSampleId :

VX0820WBS01

Tot Ion:	96	Resp:	70104
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	293.0
98	65.1	0.0	131.8

Manual Integrations
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#28

Bromochloromethane

Concen: 22.68 ug/l

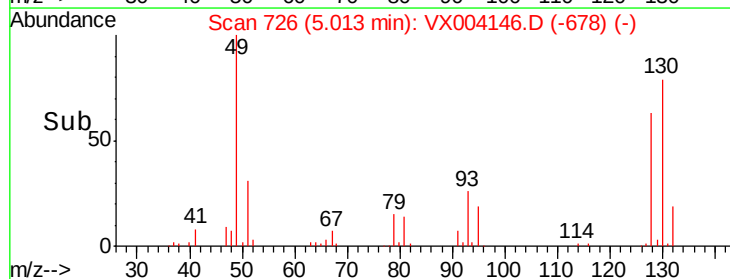
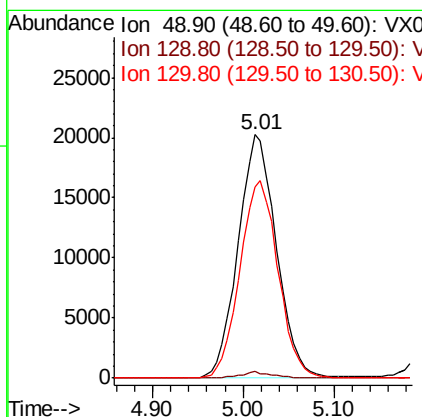
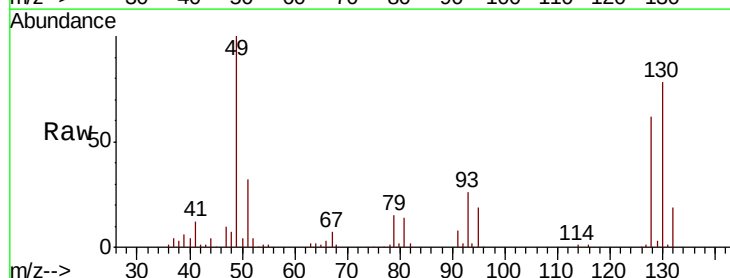
RT: 5.01 min Scan# 726

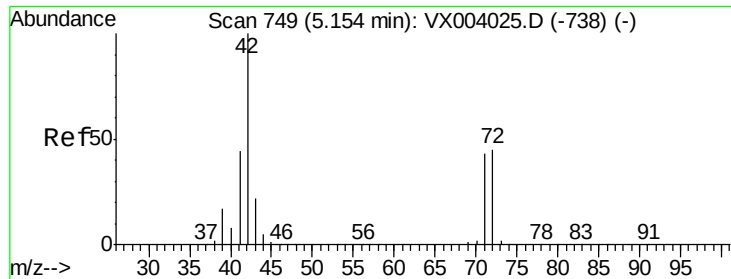
Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion:	49	Resp:	59387
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	80.9	66.5	99.7





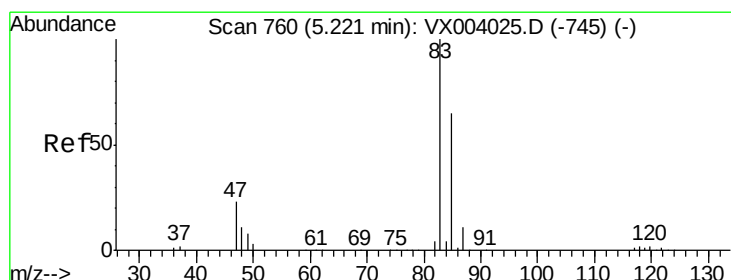
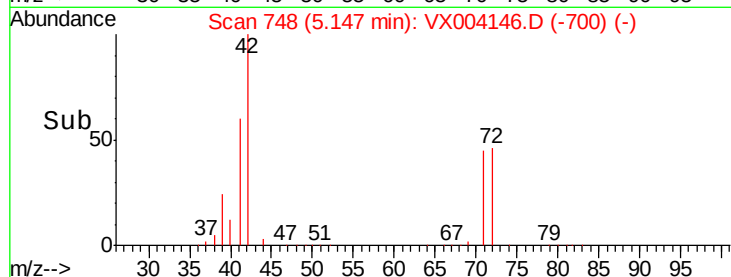
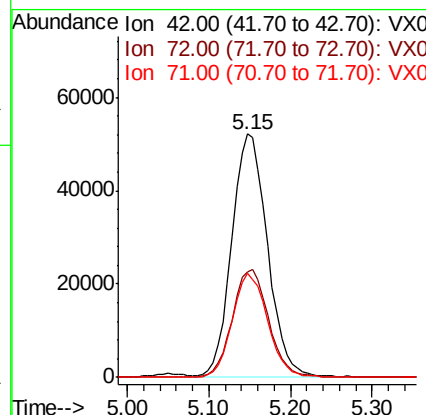
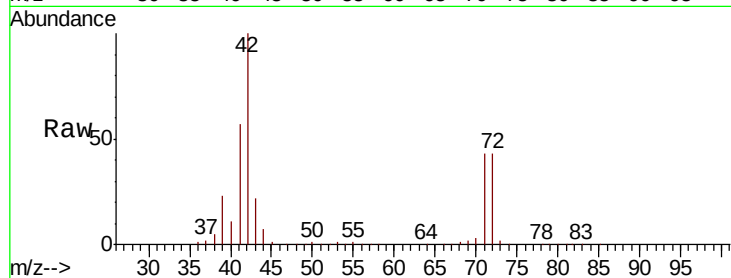
#29
Tetrahydrofuran
Concen: 100.14 ug/l
RT: 5.15 min Scan# 748
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.7	56.5
71	42.8	35.0	52.6

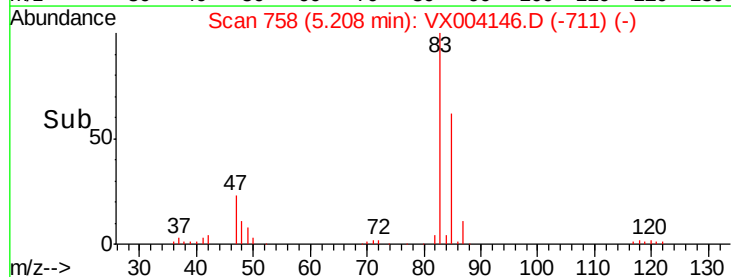
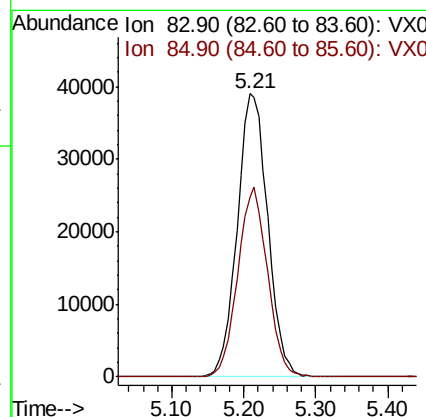
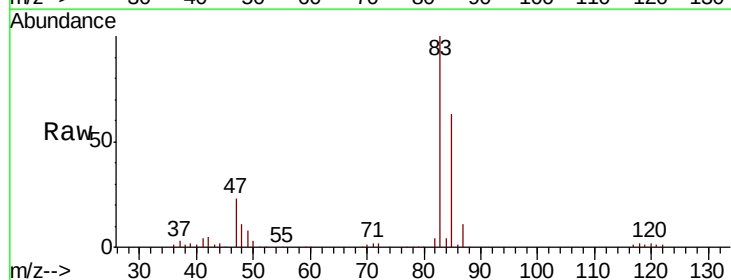
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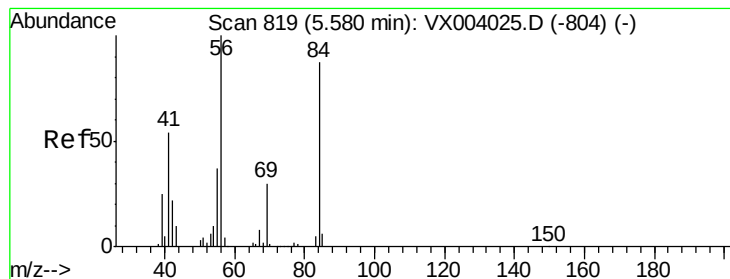
MMDadoda
8/21/2018 11:30:48 AM



#30
Chloroform
Concen: 20.61 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





#31

Cyclohexane

Concen: 17.18 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

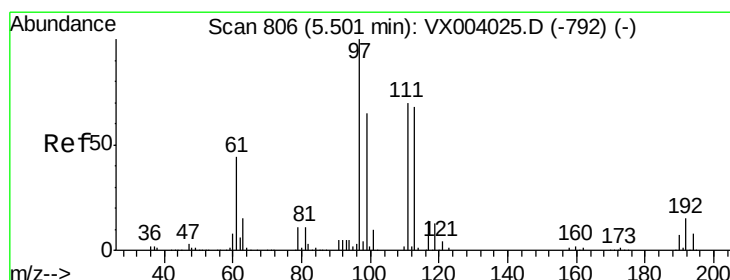
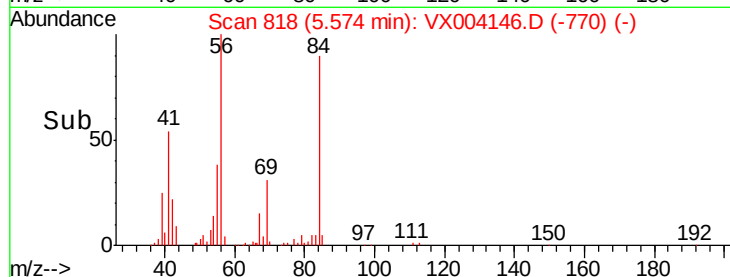
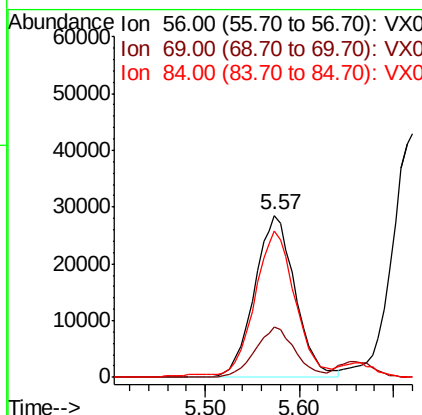
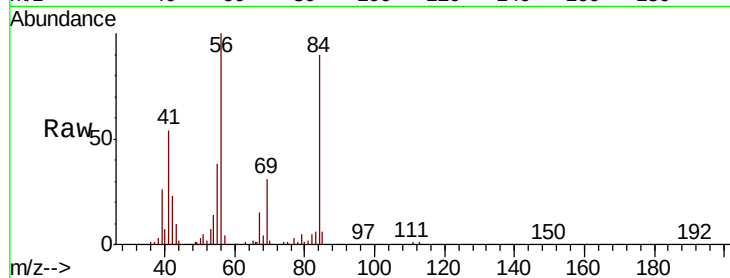
ClientSampled :

VX0820WBS01

Tot Ion:	56	Resp:	85940
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	88.9	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.89 ug/l

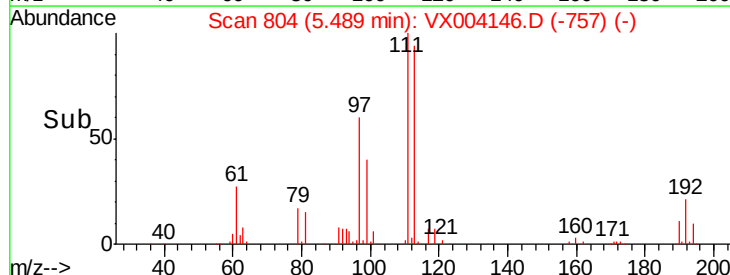
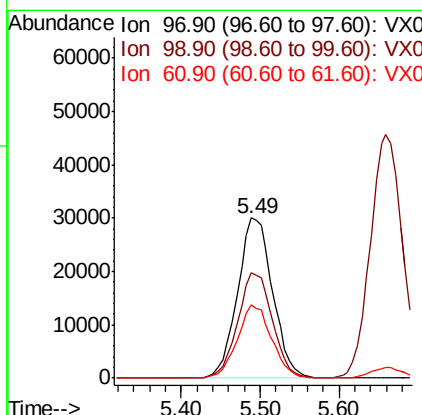
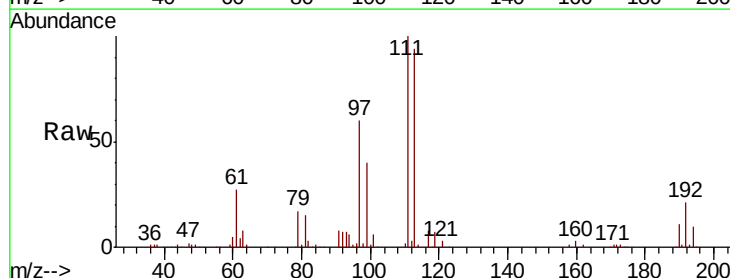
RT: 5.49 min Scan# 804

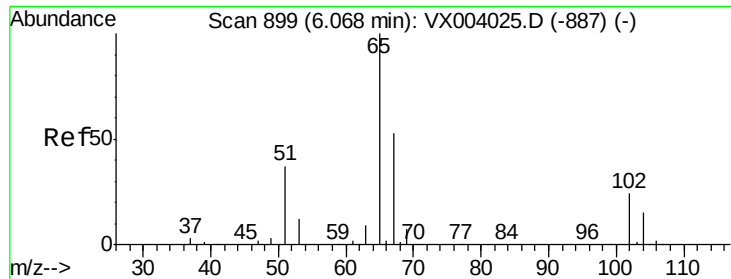
Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion:	97	Resp:	92568
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	44.8	34.4	51.6





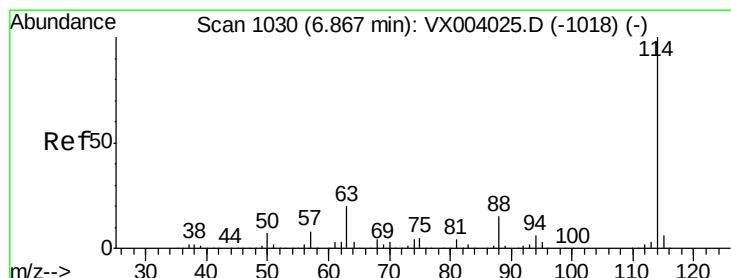
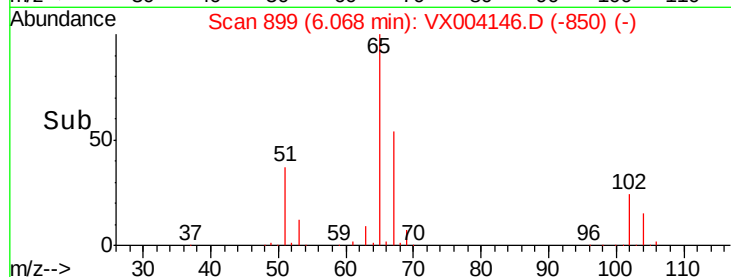
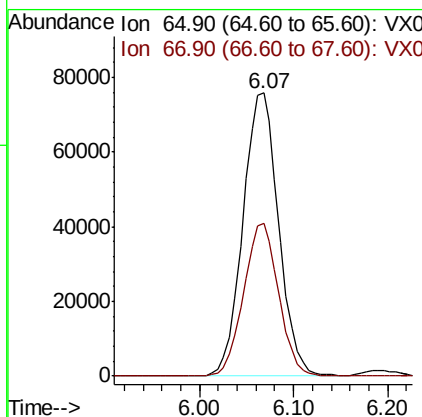
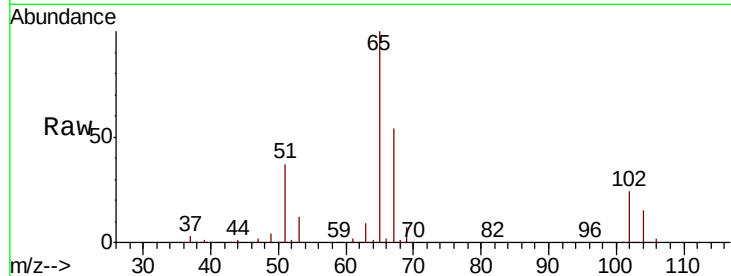
#33
 1,2-Dichloroethane-d4
 Concen: 55.51 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200895		
67	52.9		0.0	105.8

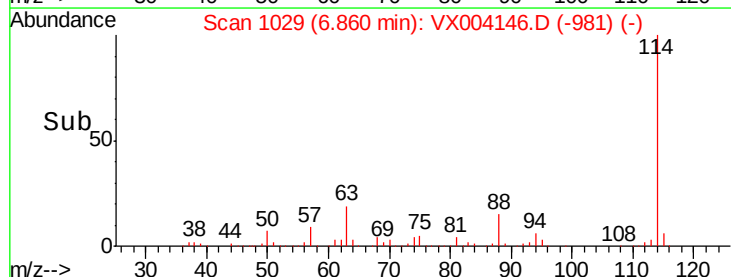
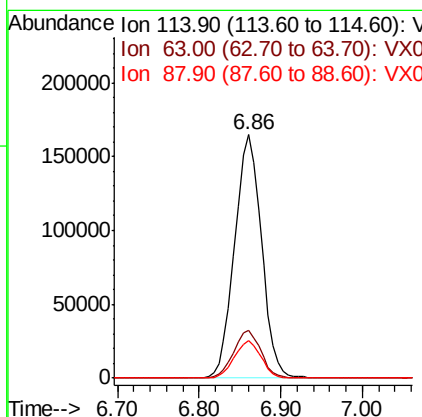
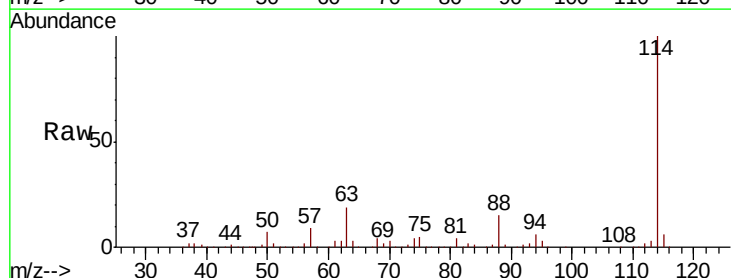
Manual Integrations
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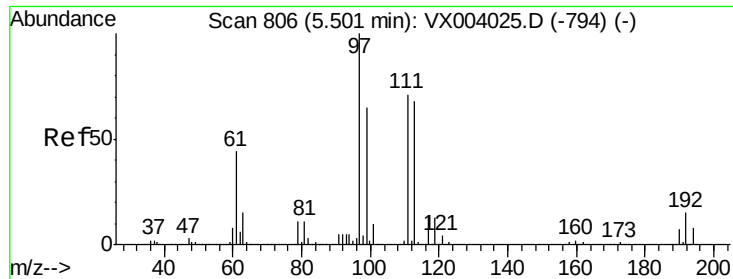
MMDadoda
 8/21/2018 11:30:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375362		
63	19.4		0.0	39.0
88	15.4		0.0	32.0





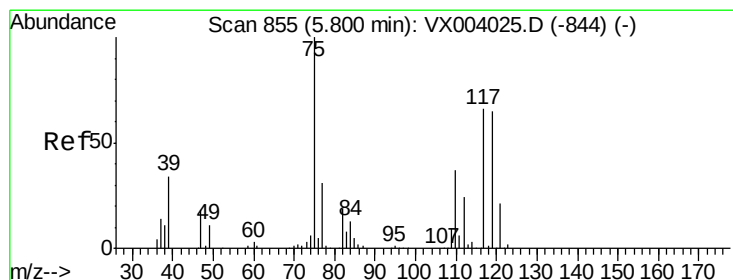
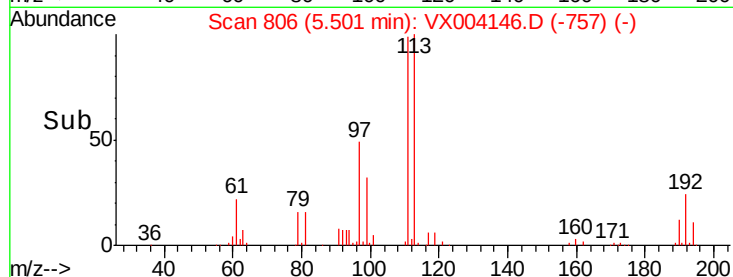
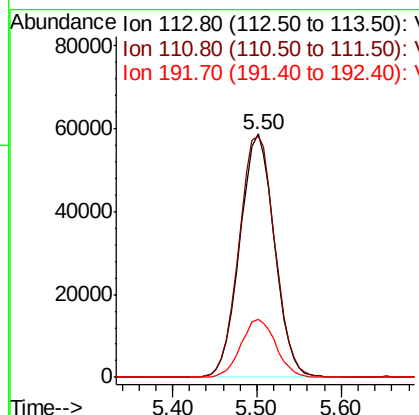
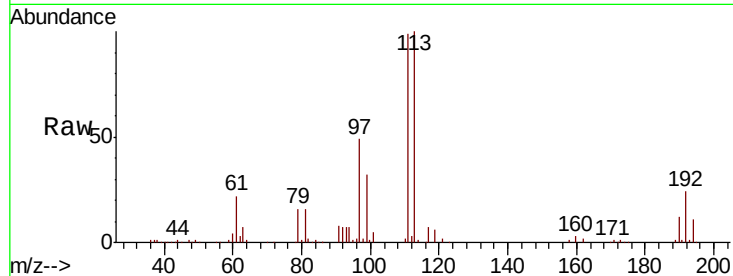
#35
 Dibromofluoromethane
 Concen: 58.11 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163250		
111	102.8	82.0	123.0	
192	23.9	19.0	28.4	

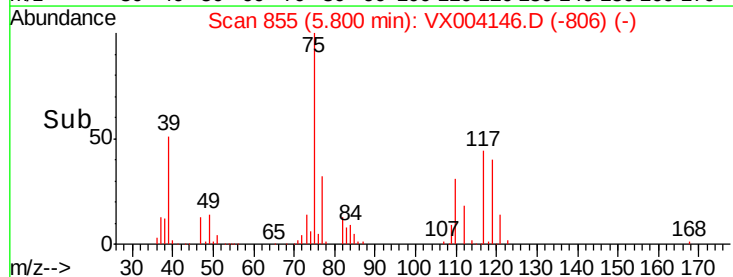
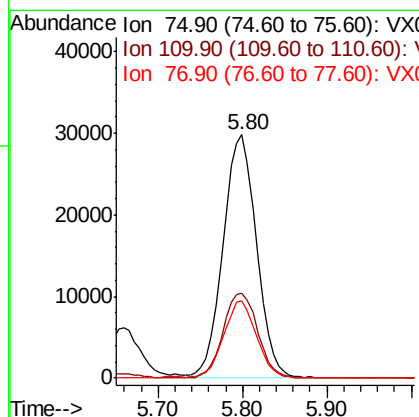
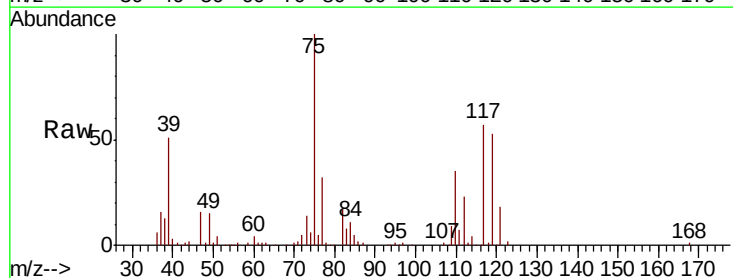
Manual Integrations
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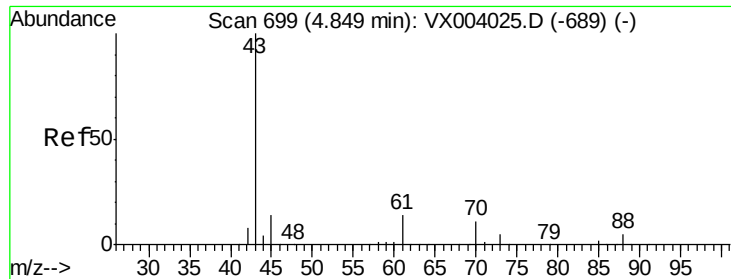
MMDadoda
 8/21/2018 11:30:48 AM



#36
 1,1-Dichloropropene
 Concen: 18.88 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80623		
110	35.8	18.2	54.6	
77	31.3	25.0	37.4	





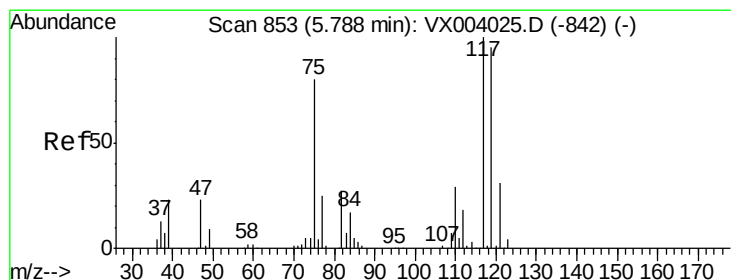
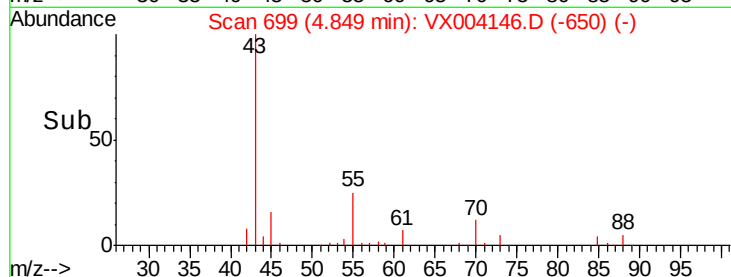
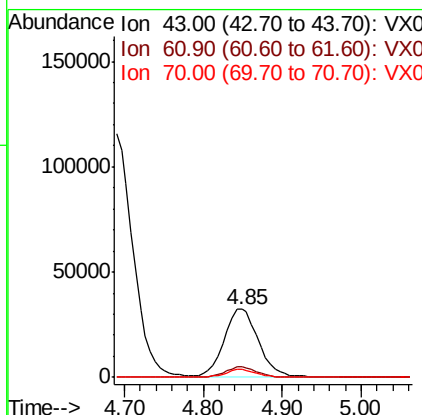
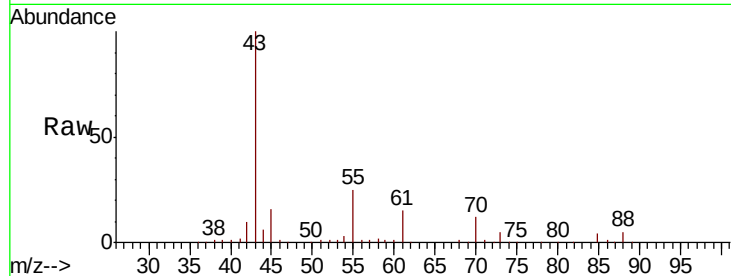
#37
Ethyl Acetate
Concen: 20.96 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.1	9.0	13.4

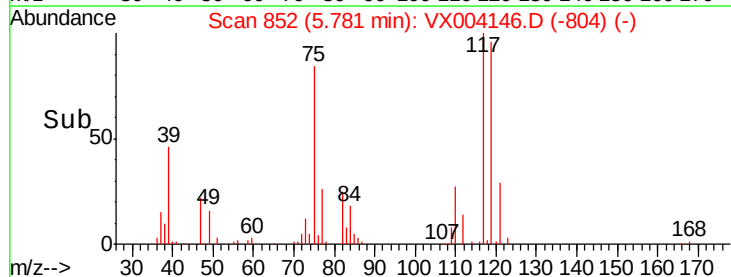
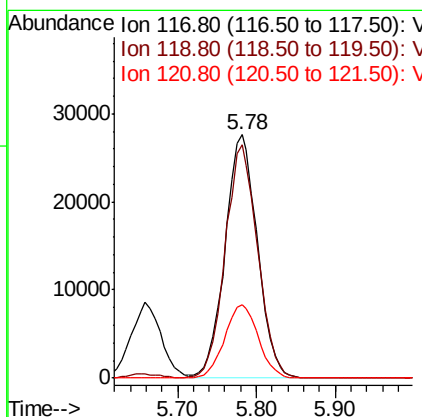
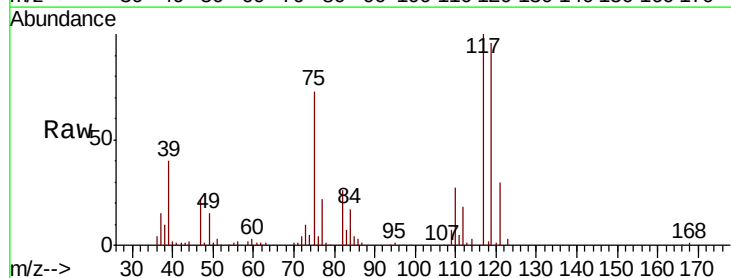
Manual Integrations
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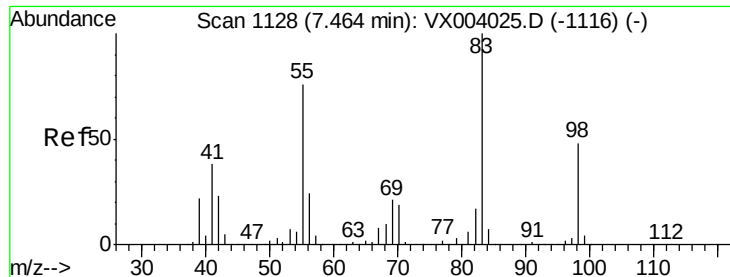
MMDadoda
8/21/2018 11:30:48 AM



#38
Carbon Tetrachloride
Concen: 19.01 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.5	119.3
121	30.4	25.0	37.4





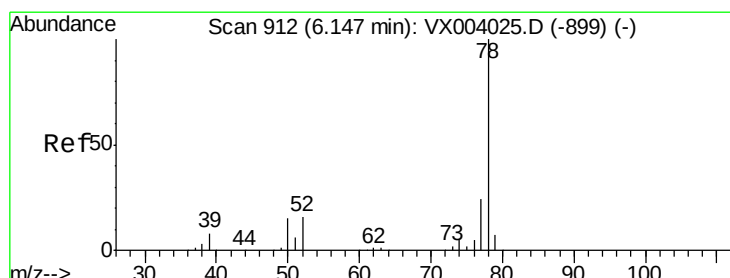
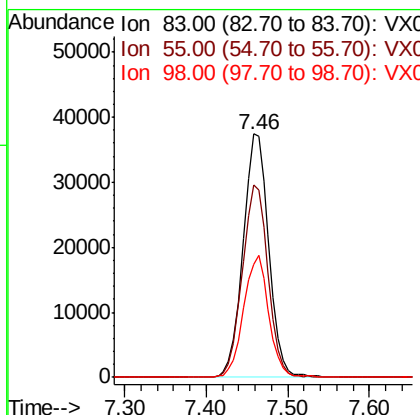
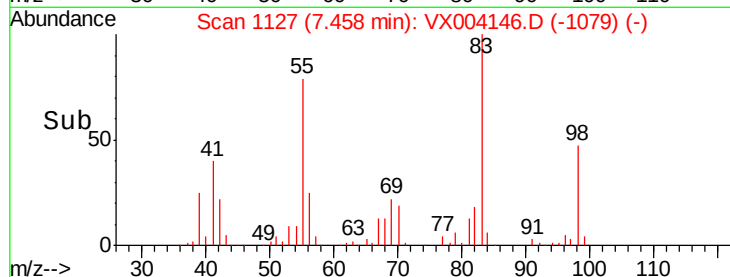
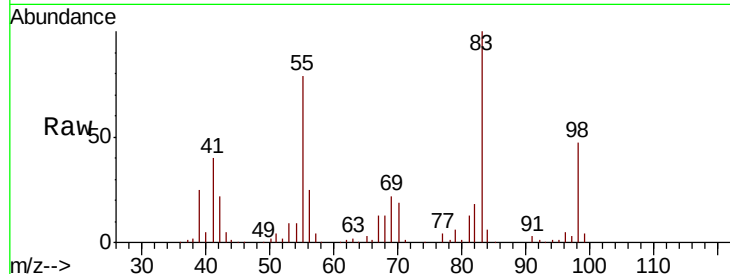
#39
Methylvlcyclohexane
Concen: 16.88 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.0	91.6
98	46.5	38.6	57.8

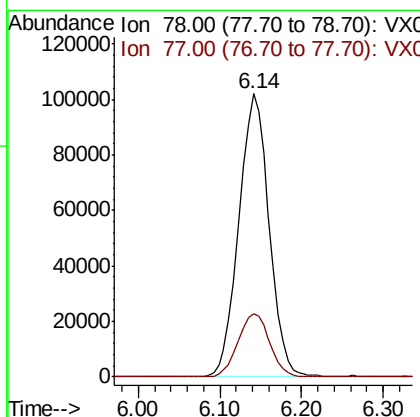
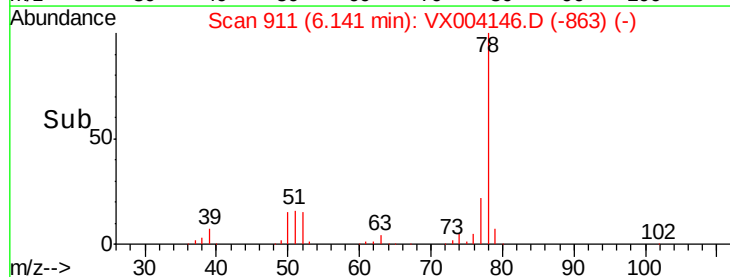
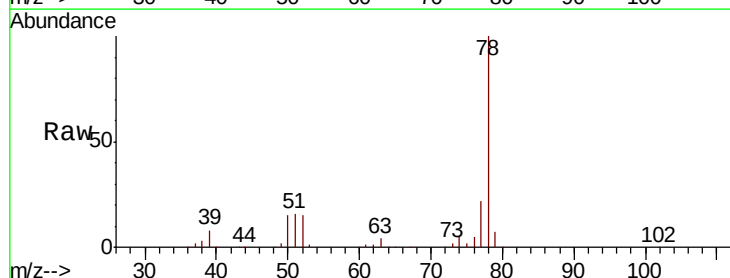
Manual Integrations
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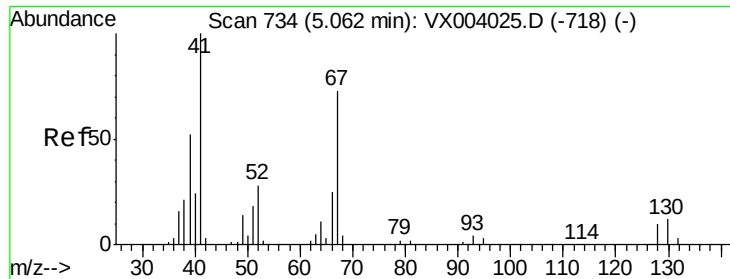
MMDadoda
8/21/2018 11:30:48 AM



#40
Benzene
Concen: 20.47 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4





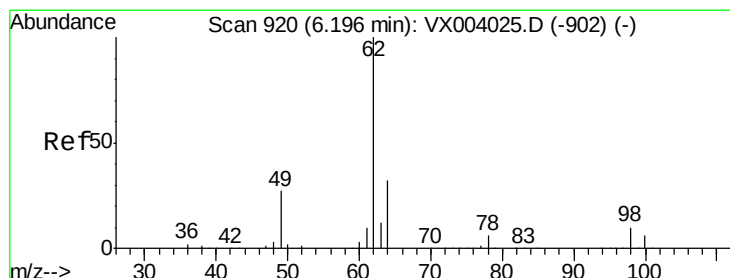
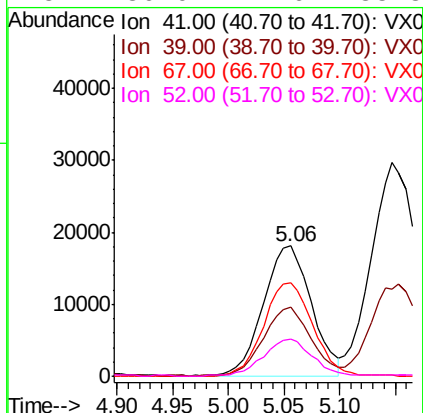
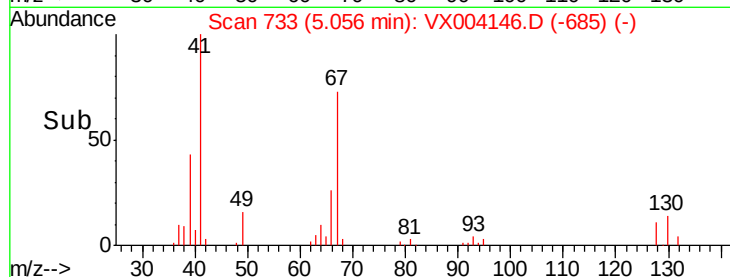
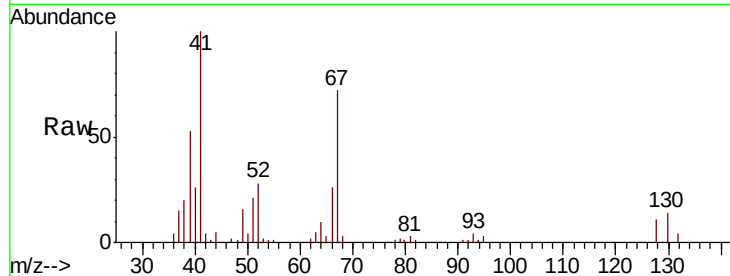
#41
Methacrylonitrile
Concen: 20.71 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.7	64.1
67	74.2	58.9	88.3
52	30.0	22.6	33.8

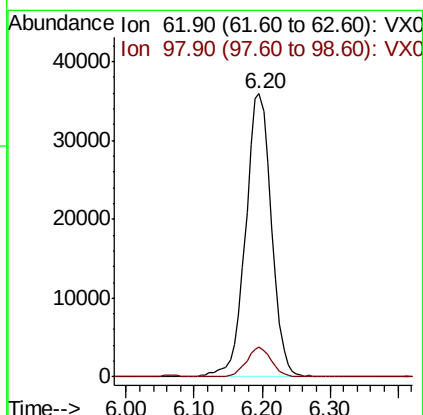
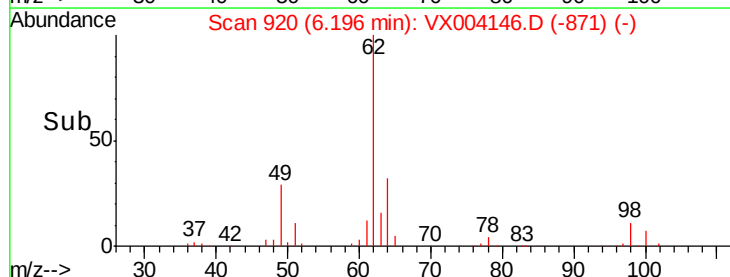
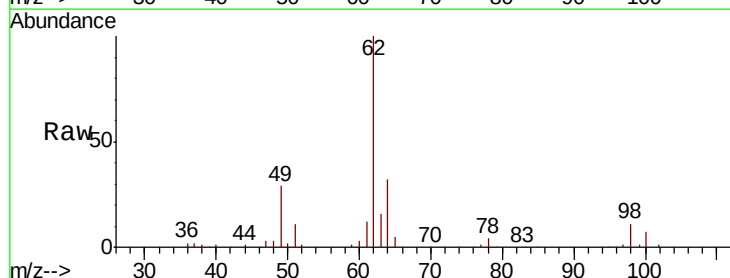
Manual Integrations
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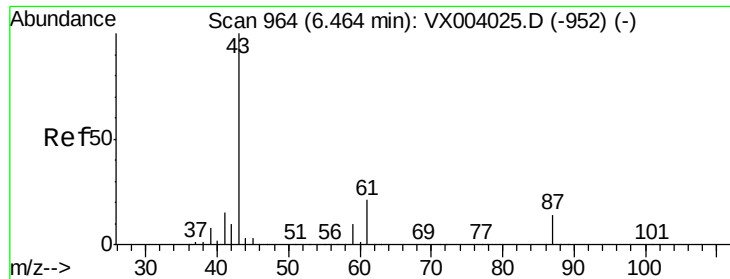
MMDadoda
8/21/2018 11:30:48 AM



#42
1,2-Dichloroethane
Concen: 21.21 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.48 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

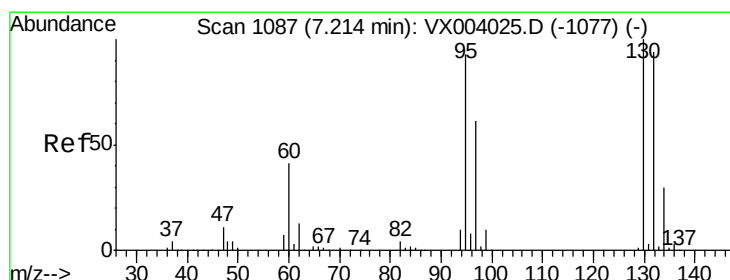
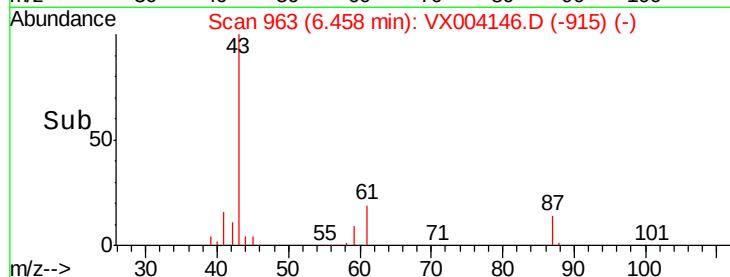
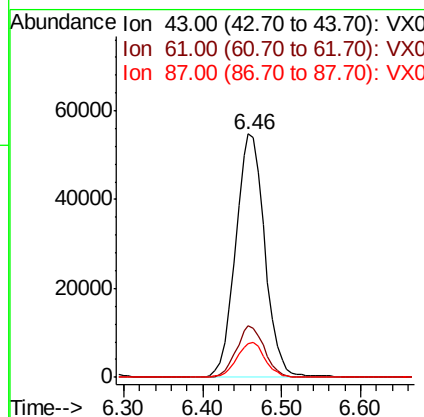
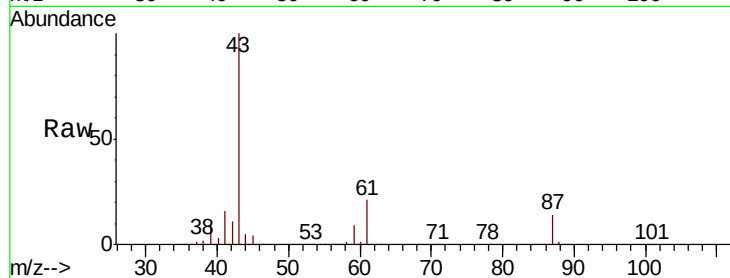
ClientSampleId :

VX0820WBS01

Tot Ion:	43	Resp:	140405
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	13.9	11.3	16.9

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#44

Trichloroethene

Concen: 19.66 ug/l

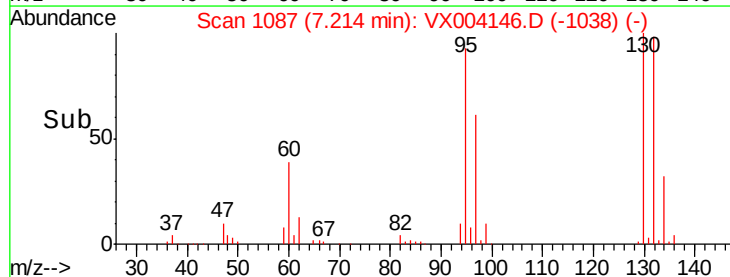
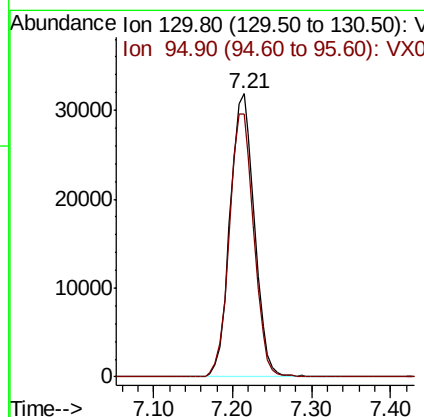
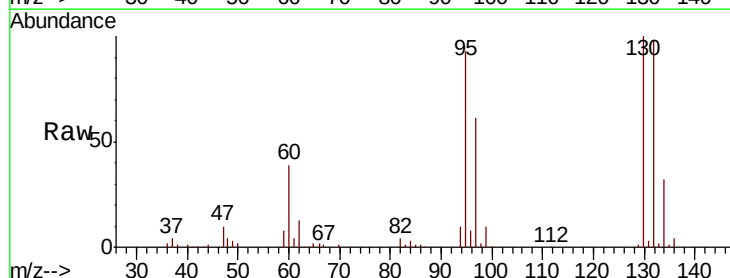
RT: 7.21 min Scan# 1087

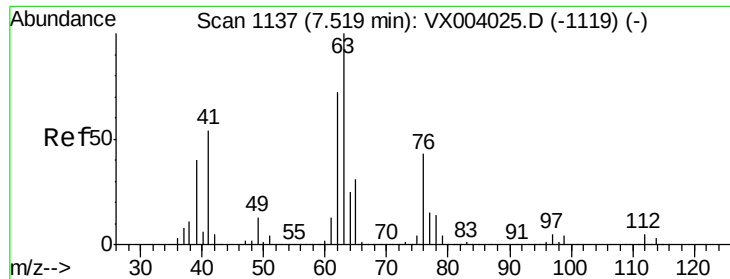
Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion:	130	Resp:	68441
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	199.4





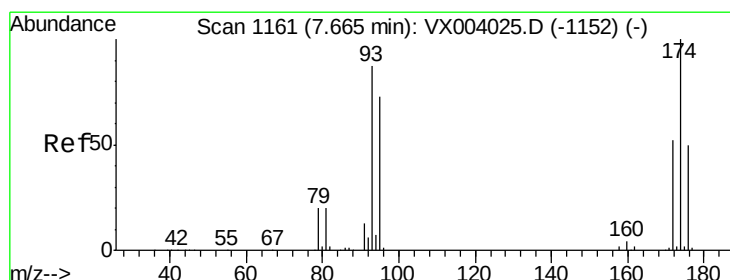
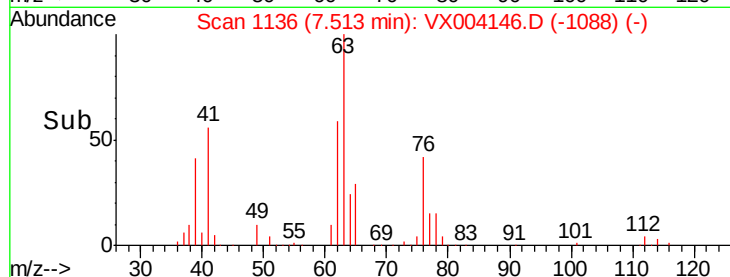
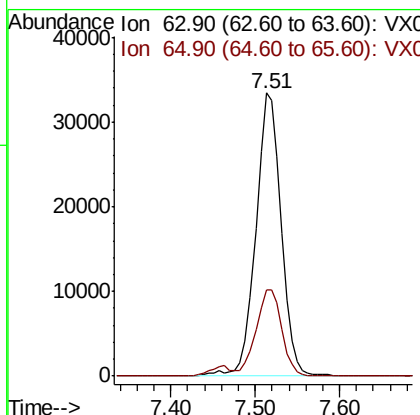
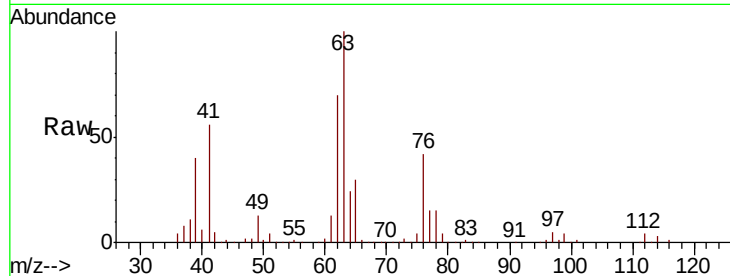
#45
 1,2-Dichloropropane
 Concen: 20.90 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX0820WBS01

Tot Ion: 63 Resp: 68612
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 36.8

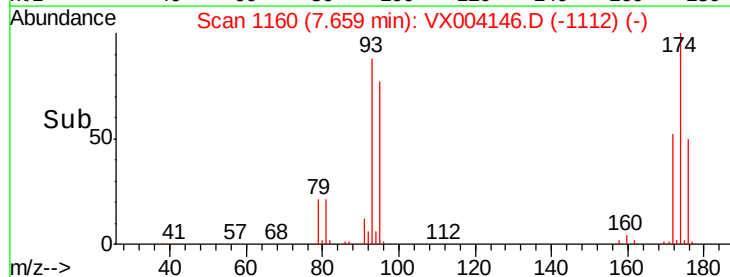
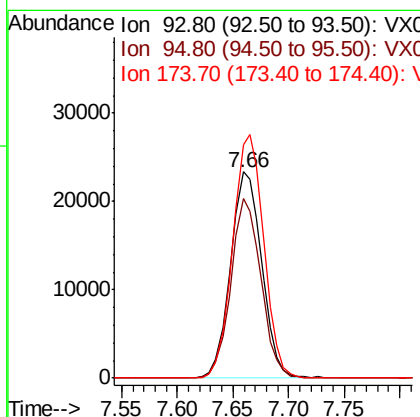
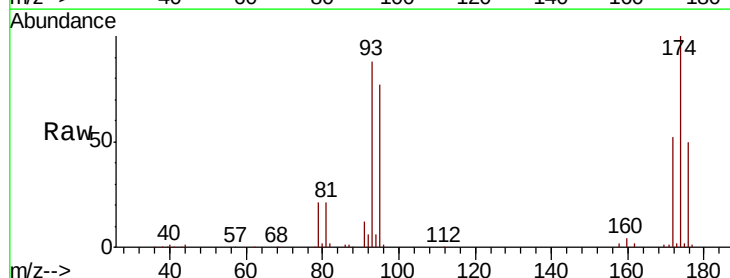
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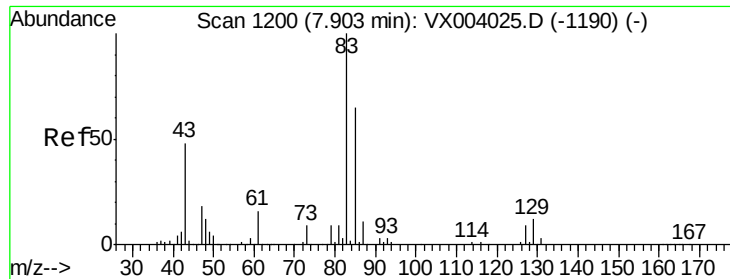
MMDadoda
 8/21/2018 11:30:48 AM



#46
 Dibromomethane
 Concen: 21.15 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion: 93 Resp: 45372
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 117.3 94.3 141.5





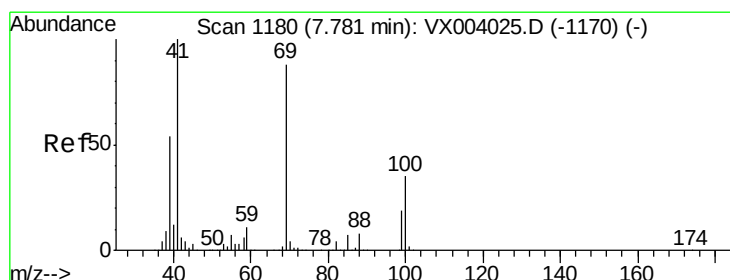
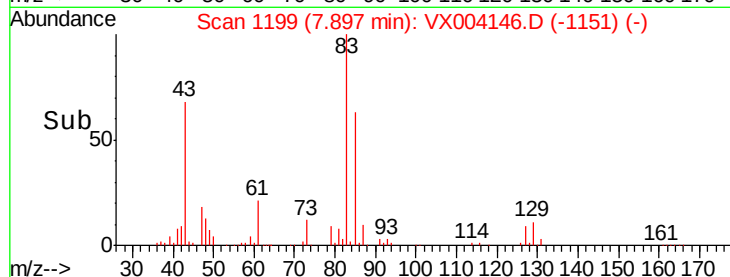
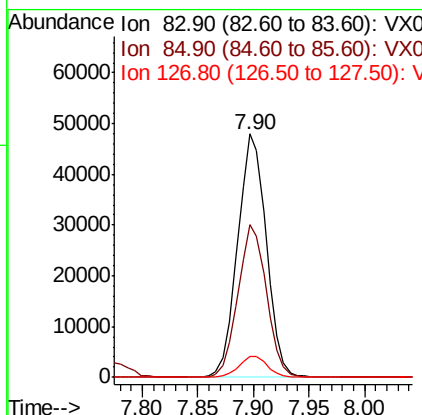
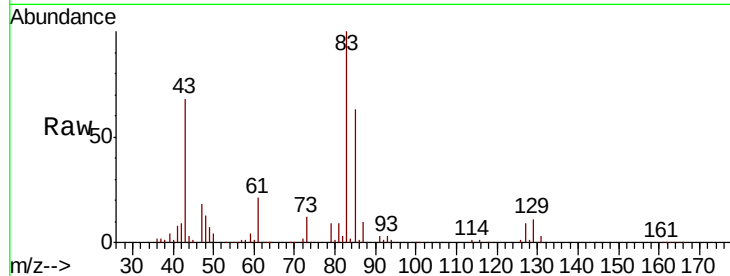
#47
Bromodichloromethane
Concen: 21.05 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.8	51.2	76.8	
127	8.8	7.2	10.8	

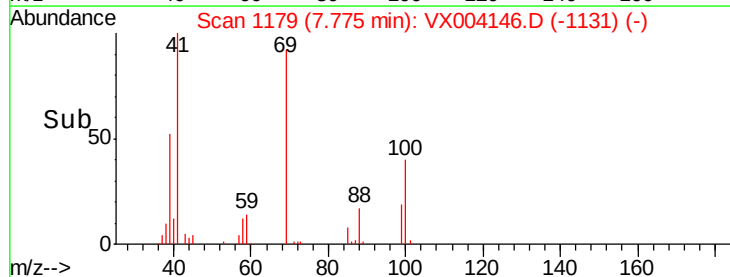
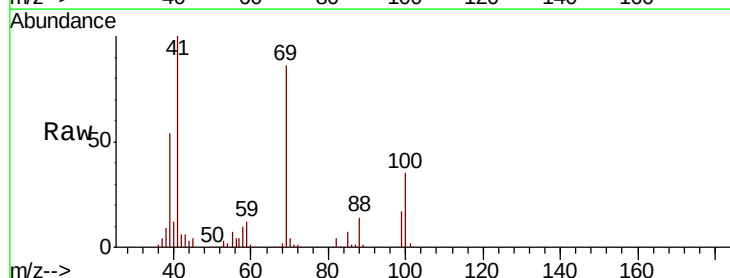
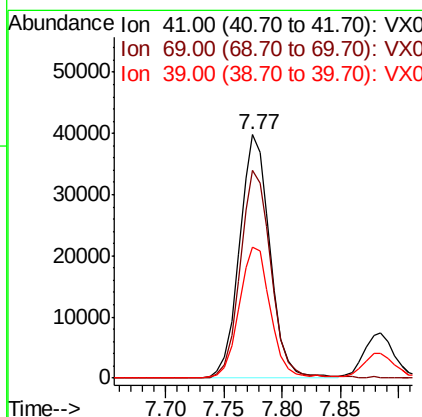
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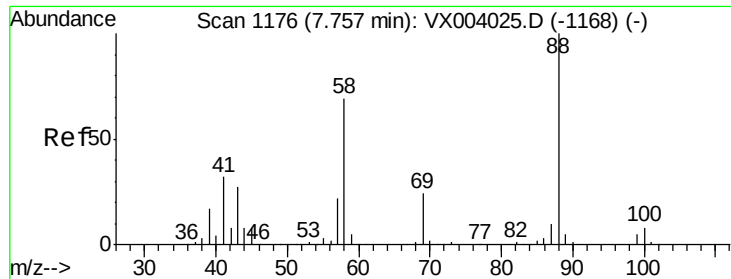
MMDadoda
8/21/2018 11:30:48 AM



#48
Methyl methacrylate
Concen: 21.04 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.2	68.8	103.2	
39	54.5	42.3	63.5	





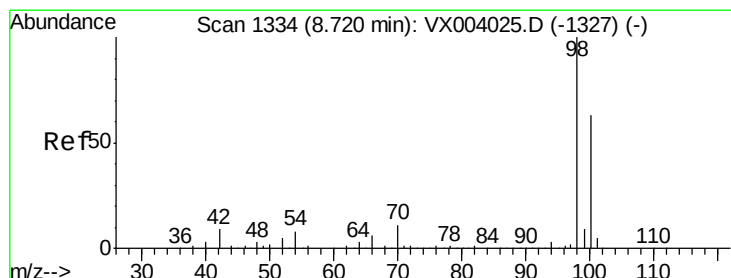
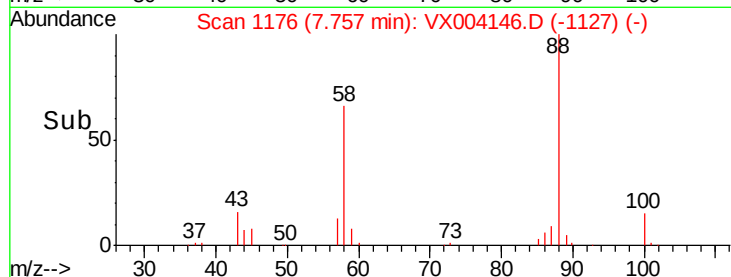
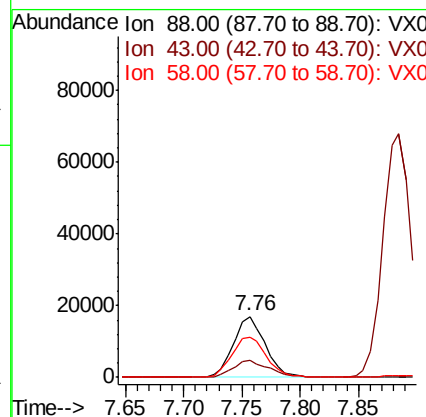
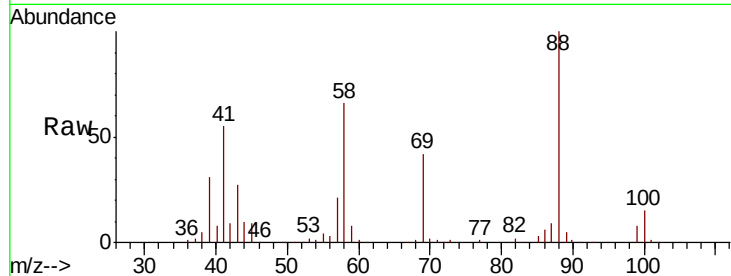
#49
1,4-Dioxane
Concen: 413.84 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	23.8	35.8
58	72.5	55.4	83.0

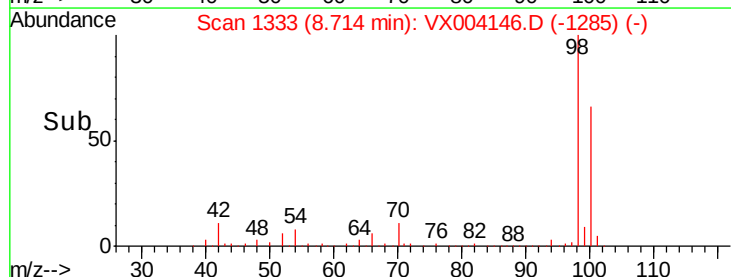
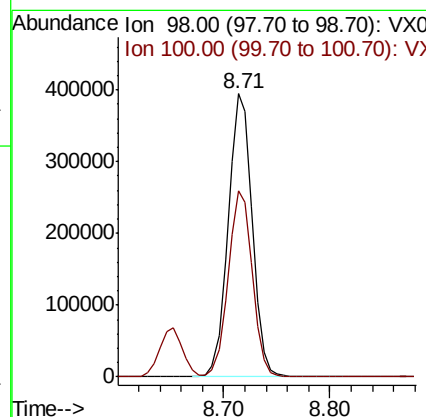
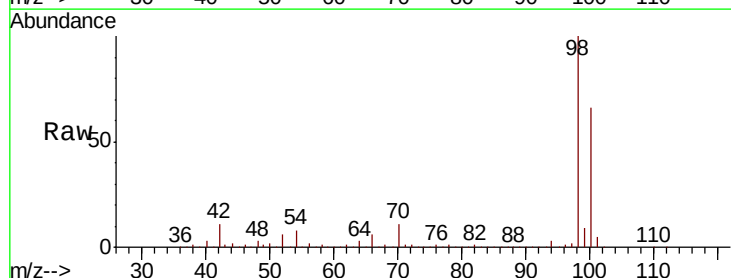
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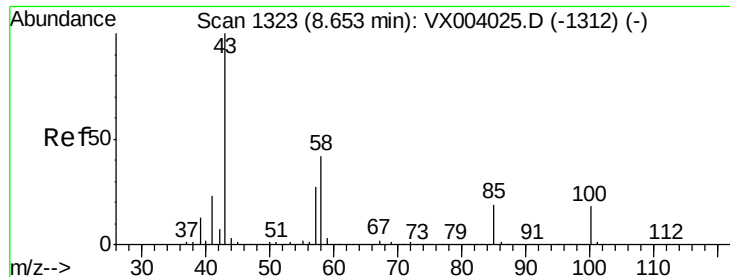
MMDadoda
8/21/2018 11:30:48 AM



#50
Toluene-d8
Concen: 54.45 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





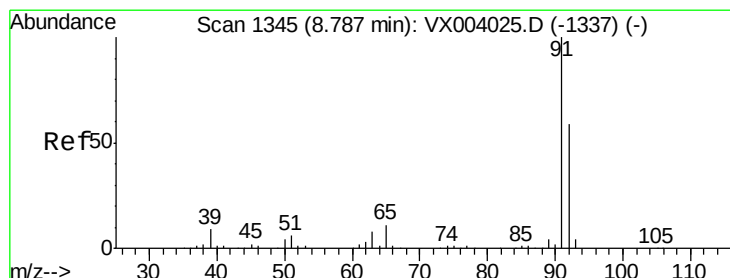
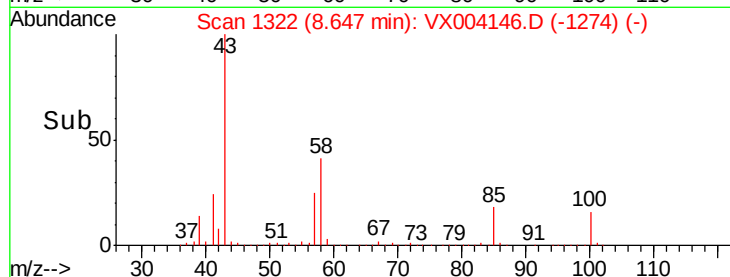
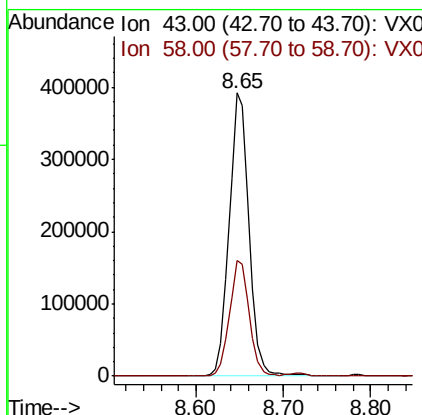
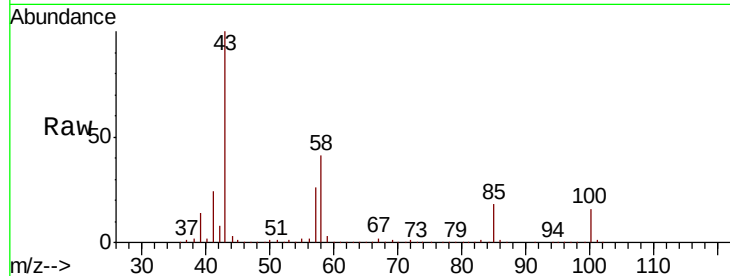
#51
4-Methyl-2-Pentanone
Concen: 110.02 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0820WBS01

Tot Ion: 43 Resp: 618495
Ion Ratio Lower Upper
43 100
58 40.7 33.0 49.6

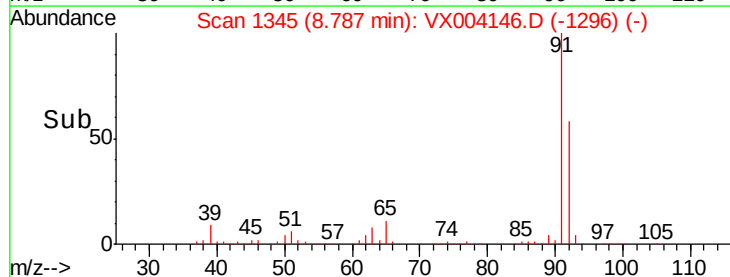
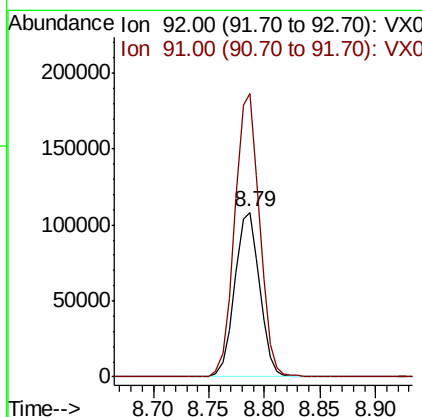
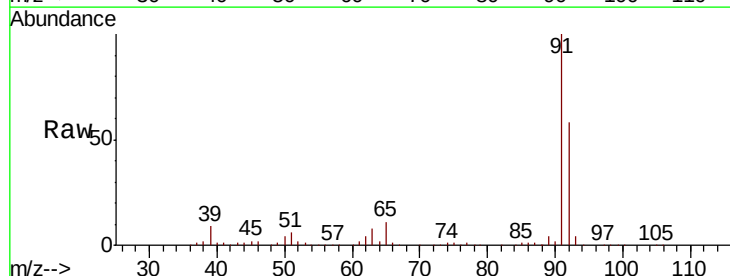
Manual Integrations
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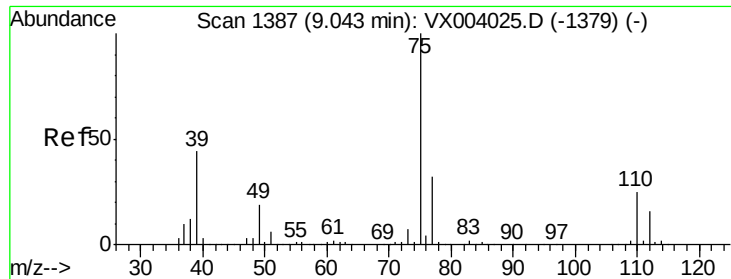
MMDadoda
8/21/2018 11:30:48 AM



#52
Toluene
Concen: 20.74 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion: 92 Resp: 168198
Ion Ratio Lower Upper
92 100
91 171.2 136.1 204.1





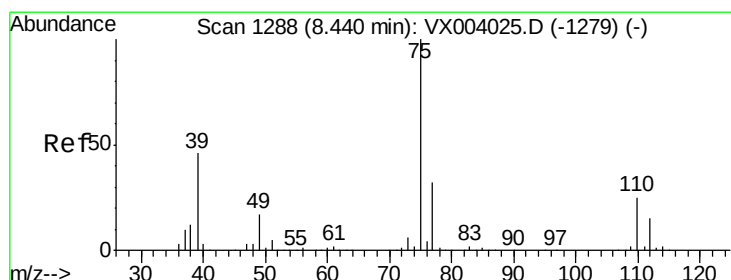
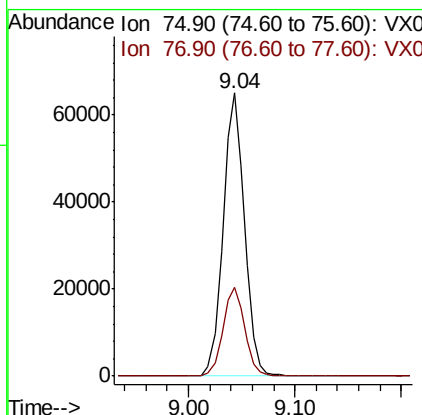
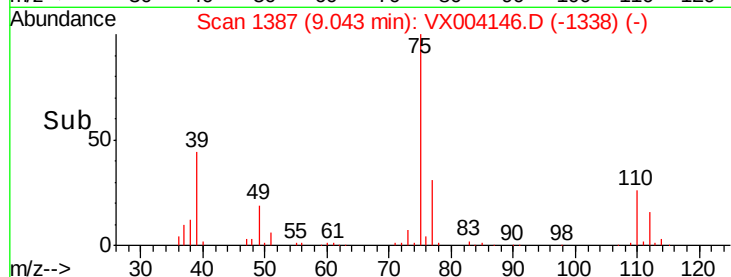
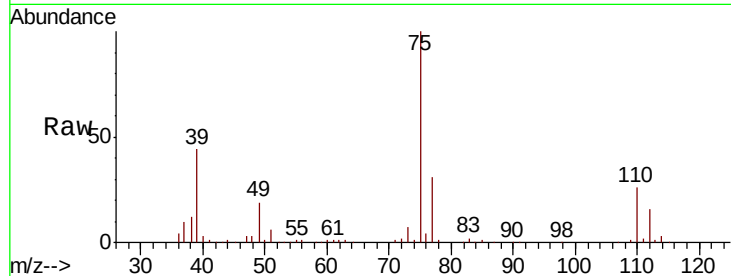
#53
 t-1,3-Dichloropropene
 Concen: 20.69 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion: 75 Resp: 90815
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7

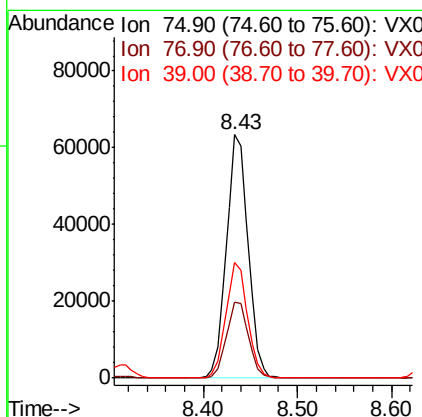
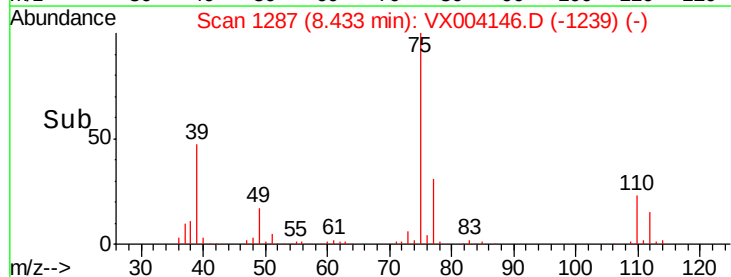
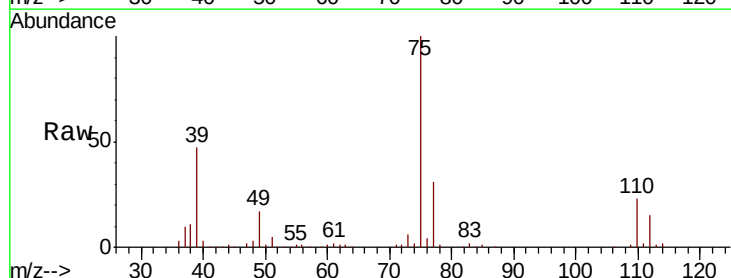
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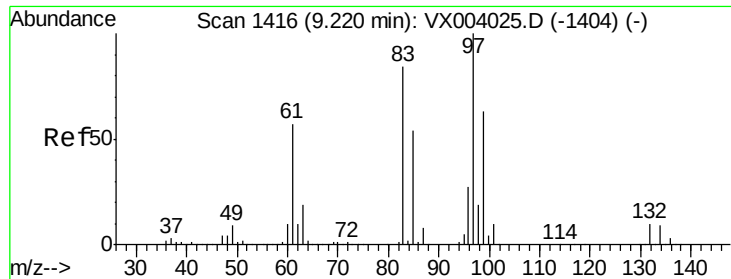
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#54
 cis-1,3-Dichloropropene
 Concen: 20.82 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion: 75 Resp: 101207
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9
 39 47.2 36.2 54.2





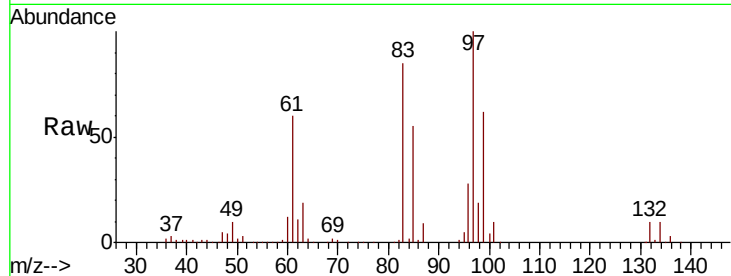
#55
 1,1,2-Trichloroethane
 Concen: 21.25 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

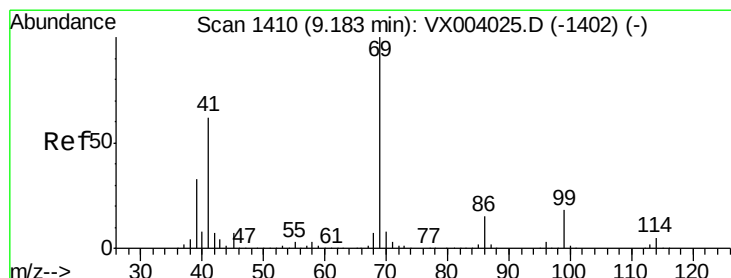
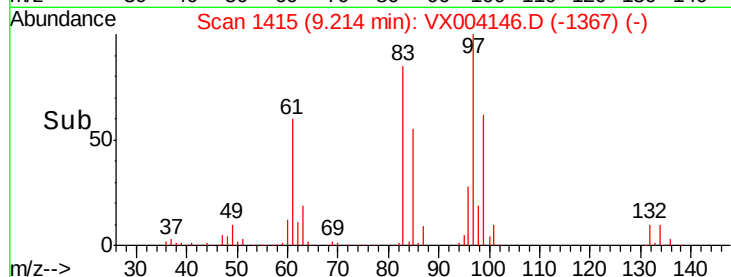
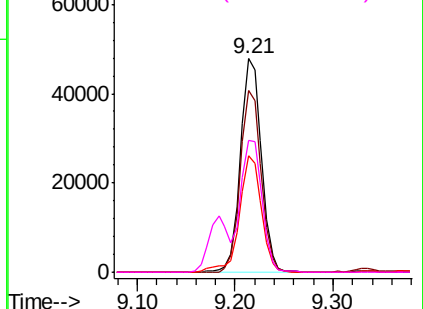
Tot Ion:	97	Resp:	71177
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.6
85	54.6	44.2	66.2
99	61.9	50.8	76.2

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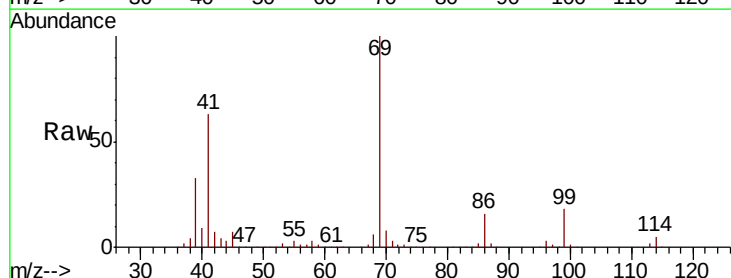


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

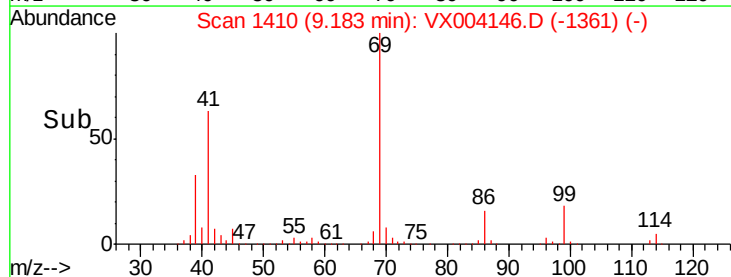
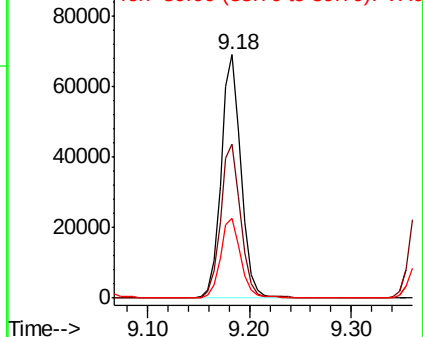


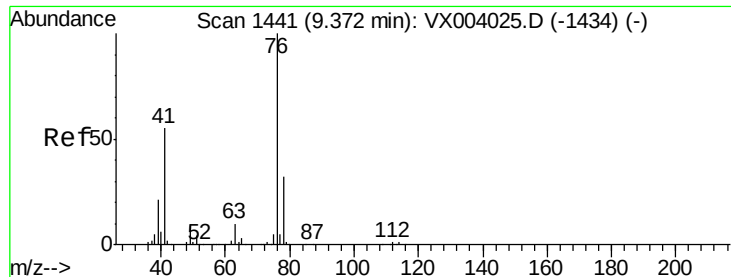
#56
 Ethyl methacrylate
 Concen: 20.60 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion:	69	Resp:	93849
Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.6	76.0
39	33.3	25.8	38.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





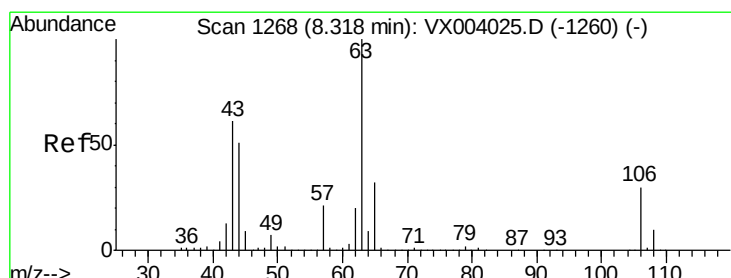
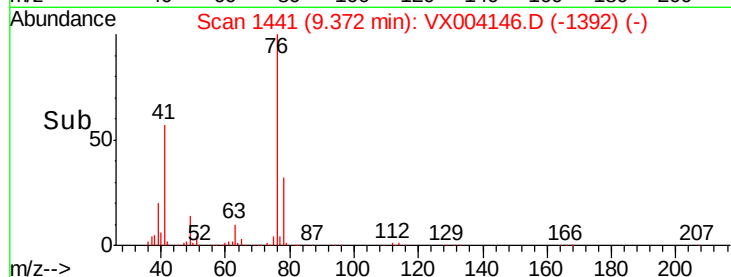
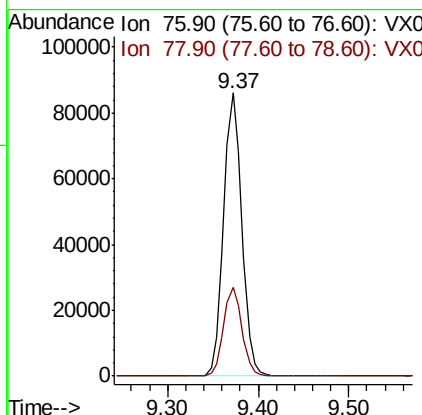
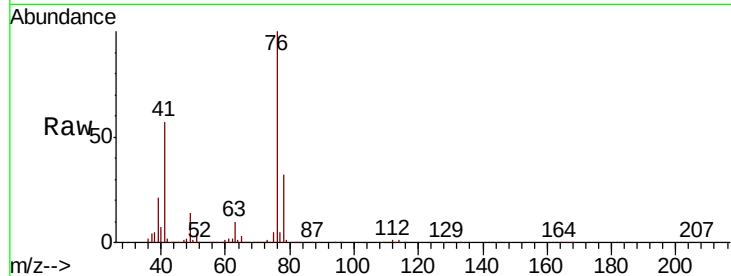
#57
 1,3-Dichloropropane
 Concen: 21.77 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX0820WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.9	38.9

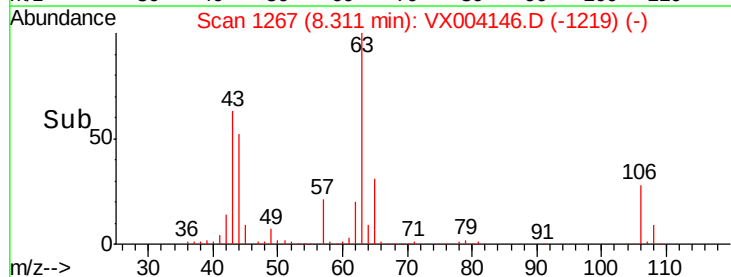
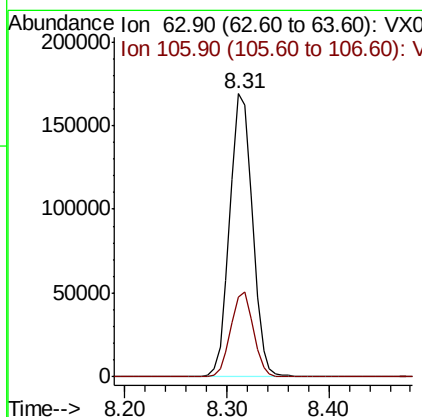
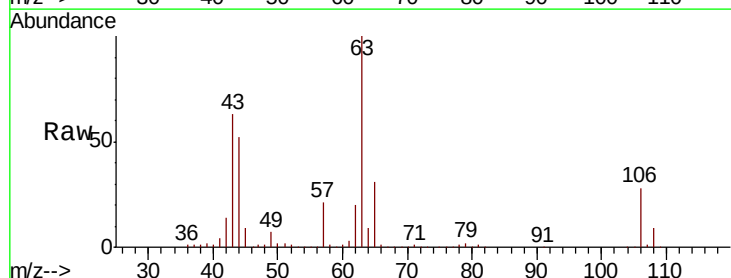
Manual Integrations
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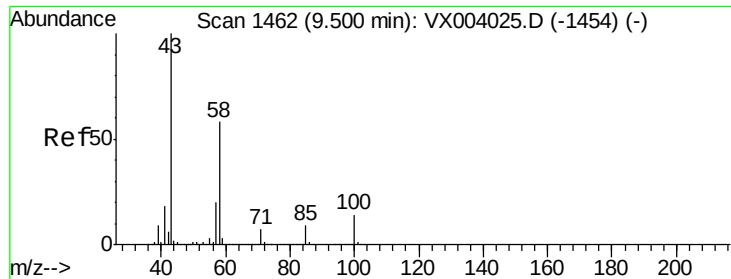
MMDadoda
 8/21/2018 11:30:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.34 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.8	35.8





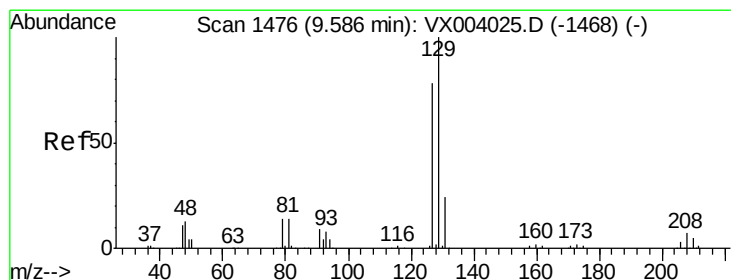
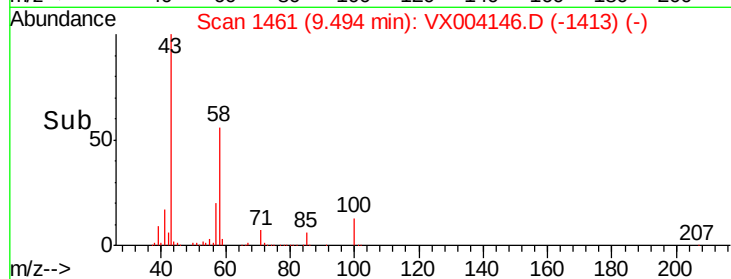
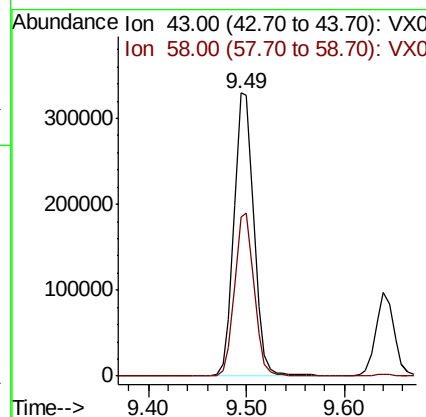
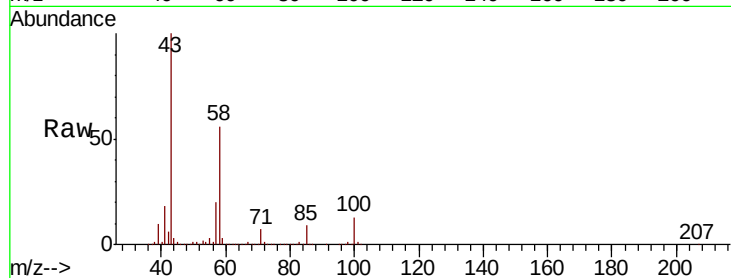
#59
2-Hexanone
Concen: 110.51 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	29.0	87.0

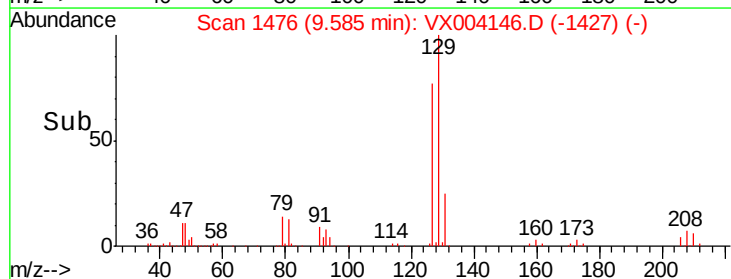
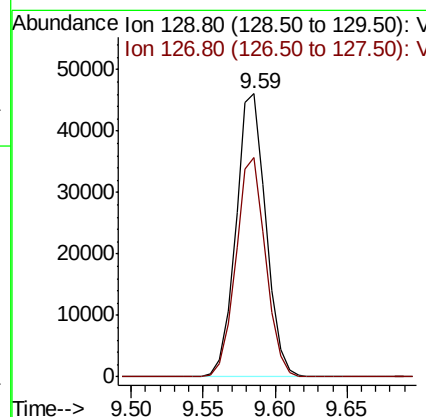
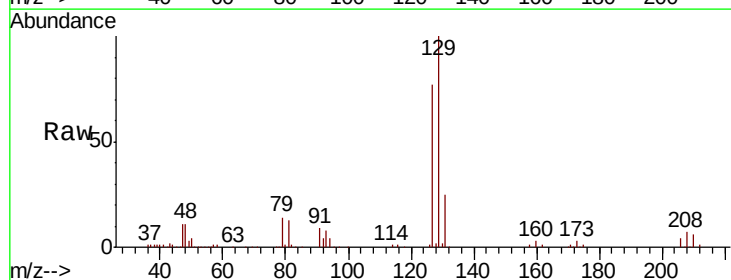
Manual Integrations
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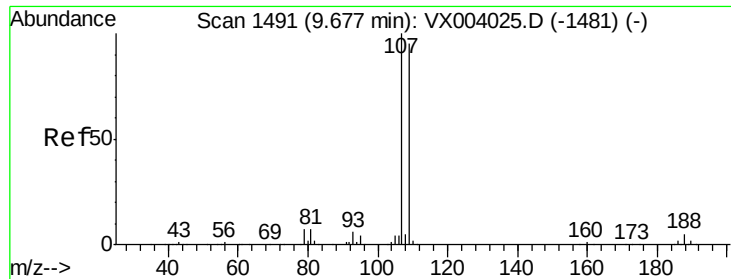
MMDadoda
8/21/2018 11:30:48 AM



#60
Dibromochloromethane
Concen: 20.76 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.8	116.3





#61

1,2-Dibromoethane

Concen: 21.46 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion:107 Resp: 73288

Ion Ratio Lower Upper

107 100

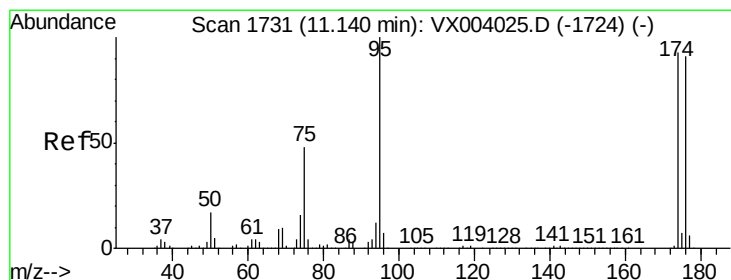
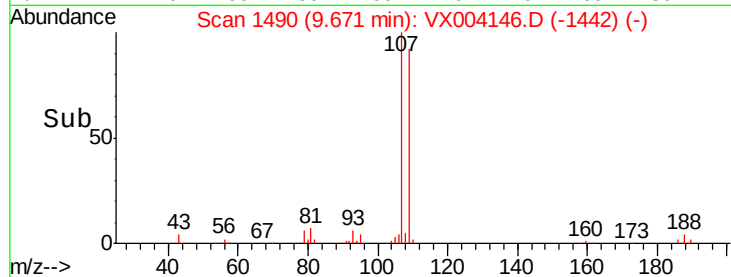
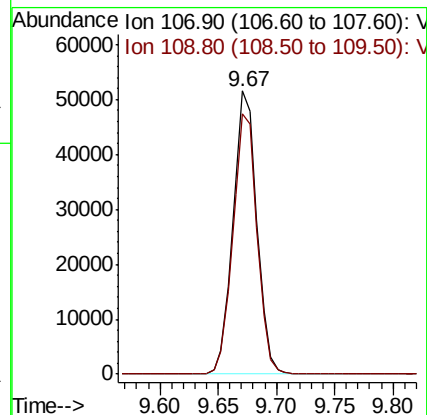
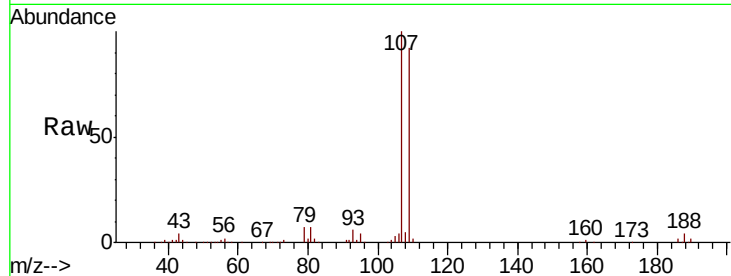
109 93.5 75.8 113.8

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8/21/2018 11:30:48 AM



#62

4-Bromofluorobenzene

Concen: 54.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

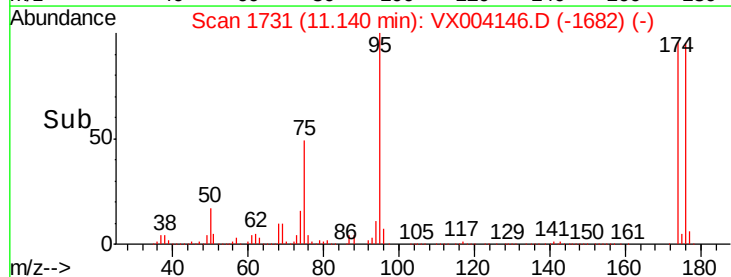
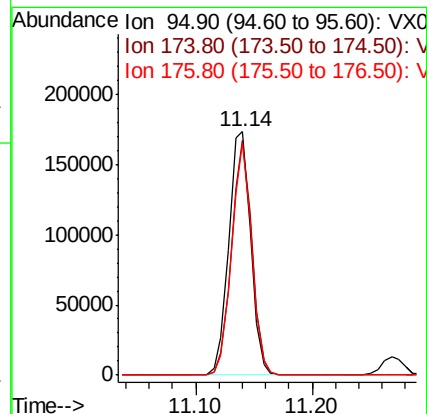
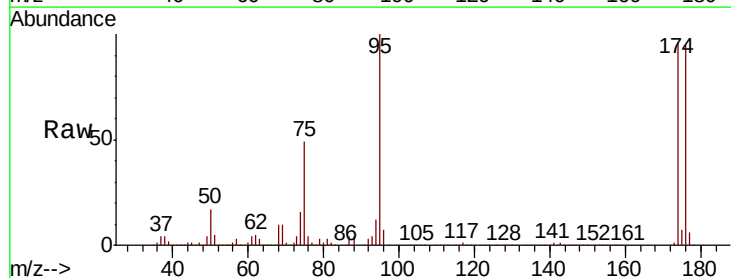
Tgt Ion: 95 Resp: 225554

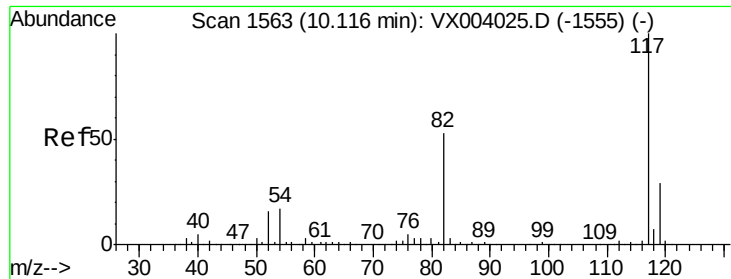
Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

176 87.6 0.0 179.0





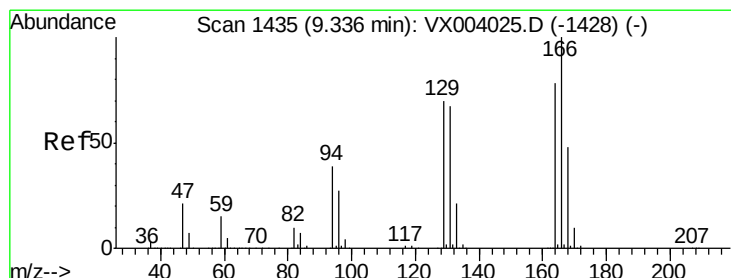
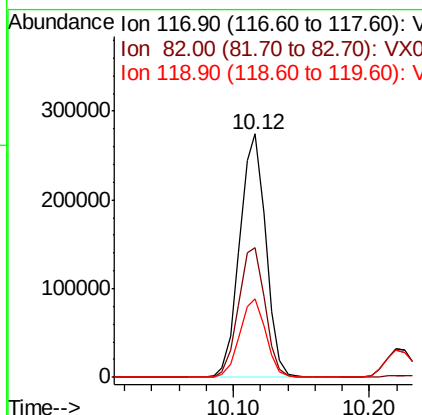
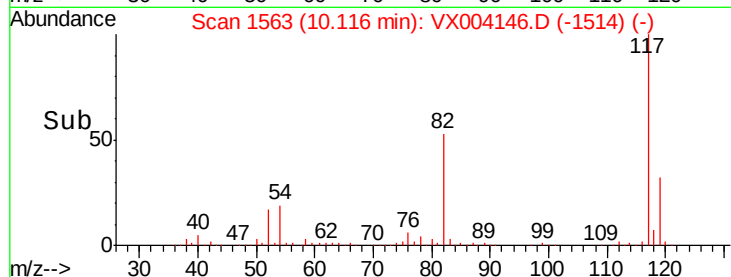
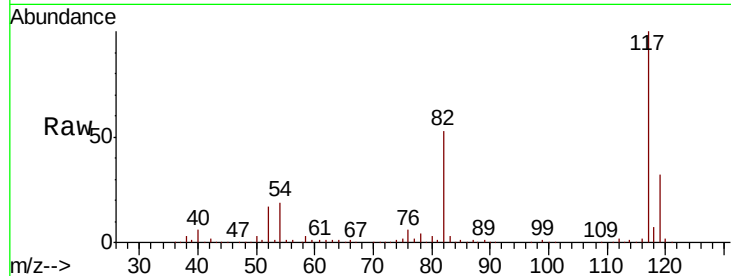
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.4	68.0
119	32.0	26.6	40.0

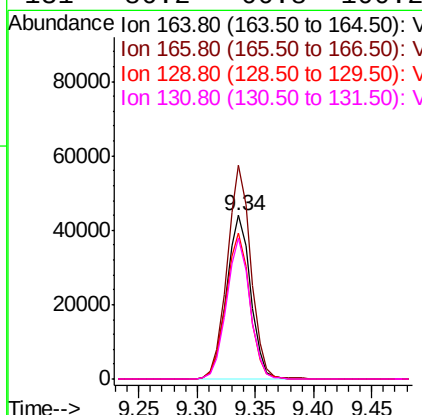
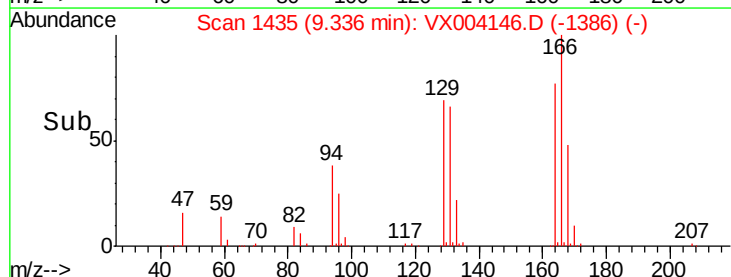
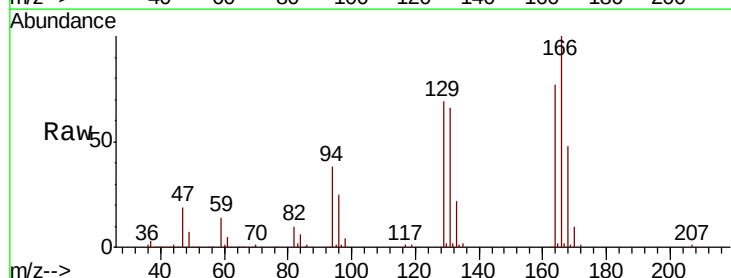
Manual Integrations
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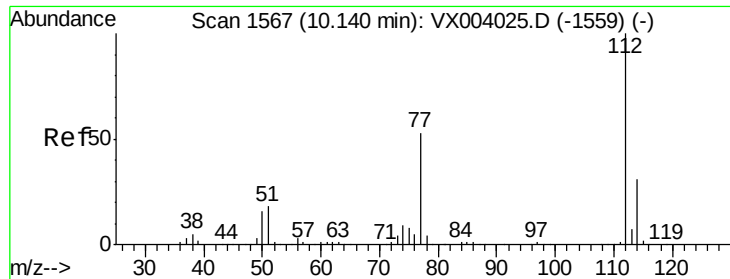
MMDadoda
8/21/2018 11:30:48 AM



#64
Tetrachloroethene
Concen: 18.04 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	98.0	147.0
129	89.5	64.3	96.5
131	86.2	66.8	100.2





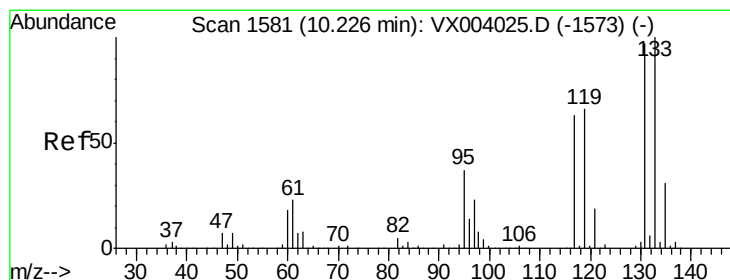
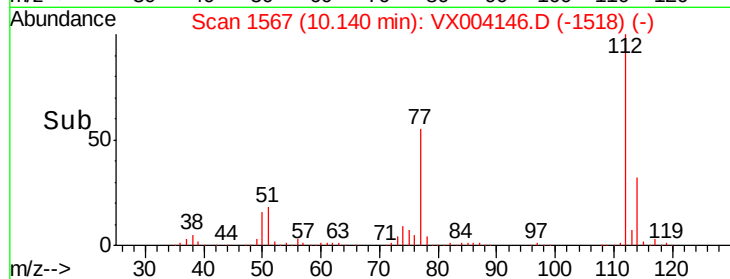
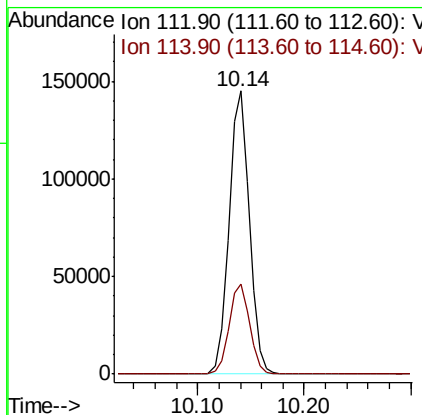
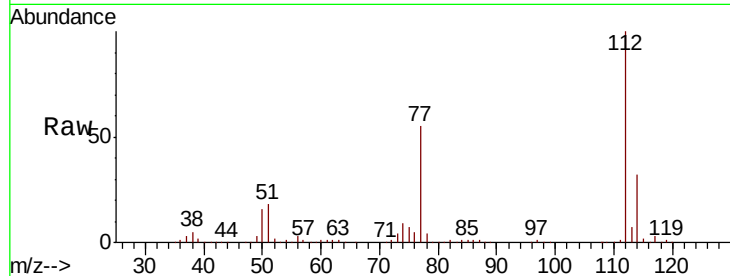
#65
Chlorobenzene
Concen: 20.36 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion:112 Resp: 193740
Ion Ratio Lower Upper
112 100
114 32.0 23.6 35.4

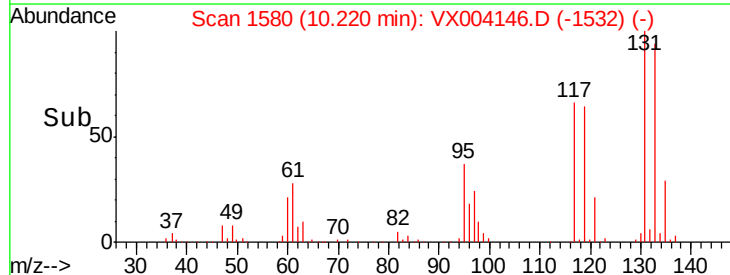
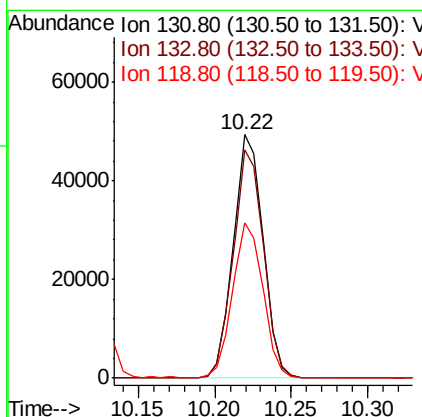
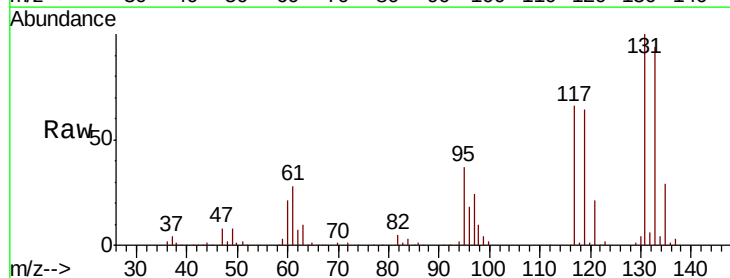
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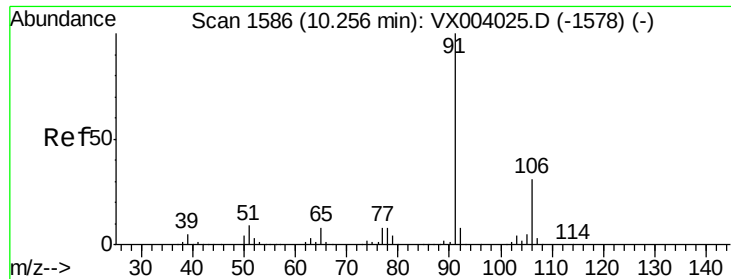
MMDadoda
8/21/2018 11:30:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.56 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion:131 Resp: 66720
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 64.9 31.6 94.8





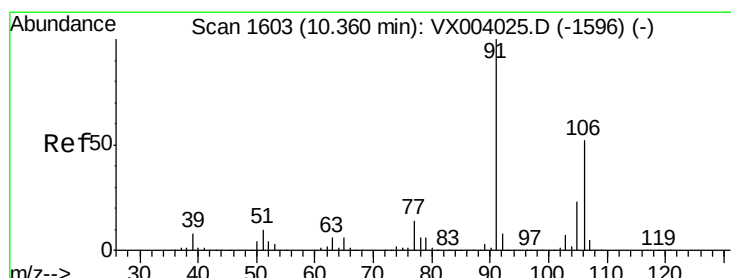
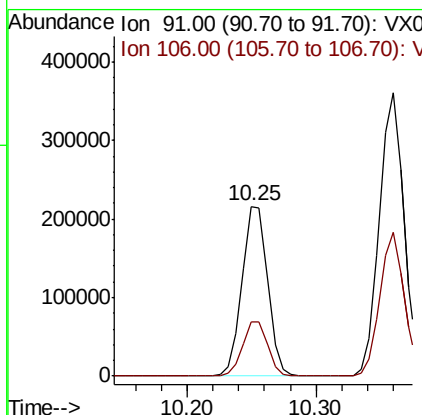
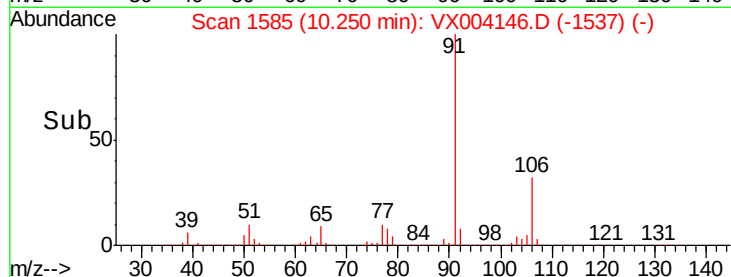
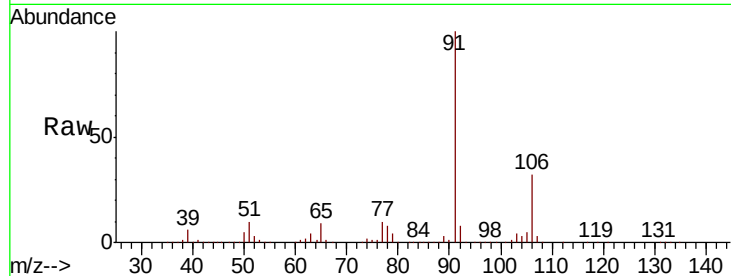
#67
Ethyl Benzene
Concen: 19.66 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0820WBS01

Tot Ion: 91 Resp: 296199
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9

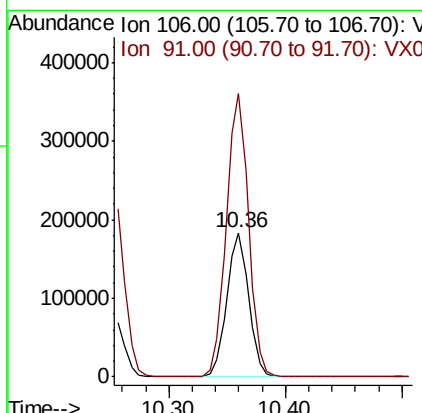
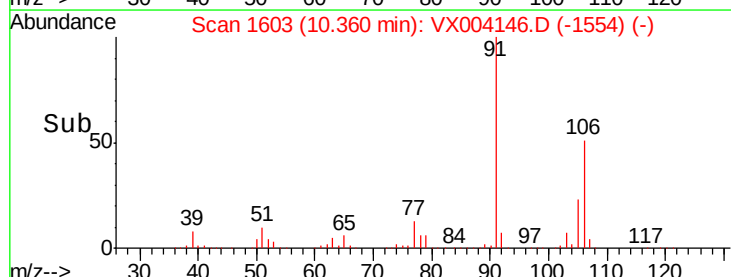
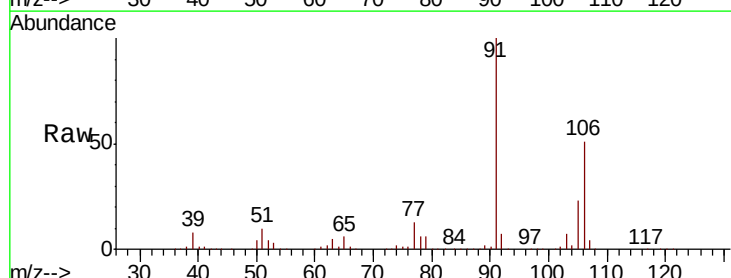
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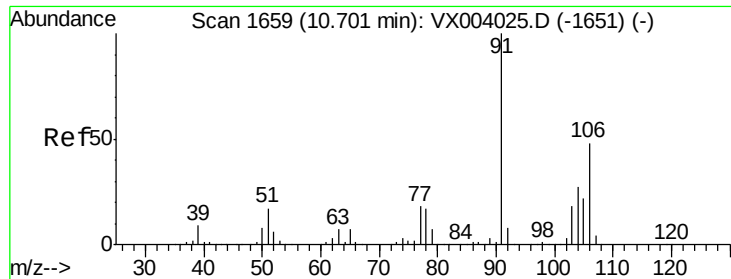
MMDadoda
8/21/2018 11:30:48 AM



#68
m/p-Xylenes
Concen: 40.47 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion: 106 Resp: 238747
Ion Ratio Lower Upper
106 100
91 199.7 162.3 243.5





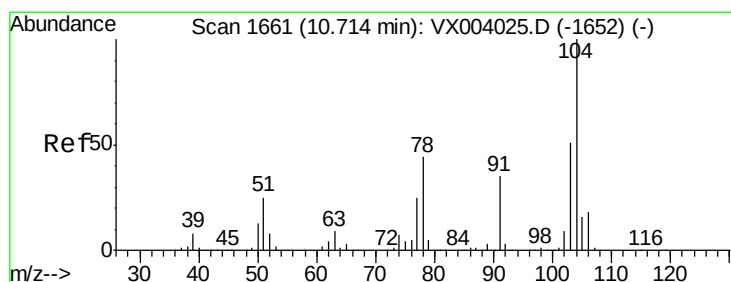
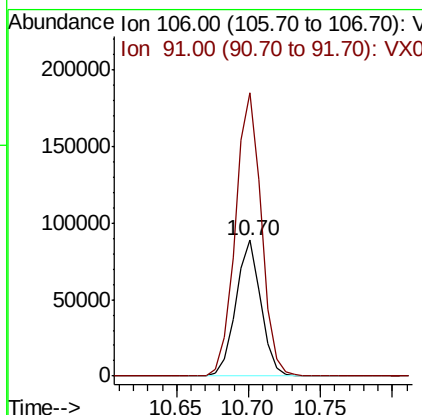
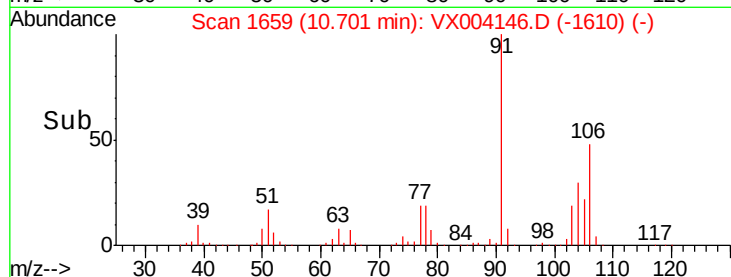
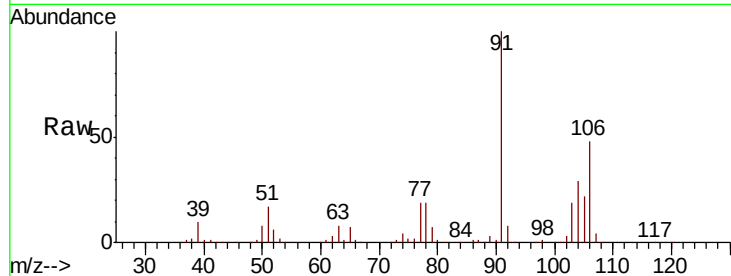
#69
o-Xylene
Concen: 19.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0820WBS01

Tot Ion:106 Resp: 108014
Ion Ratio Lower Upper
106 100
91 215.1 101.9 305.7

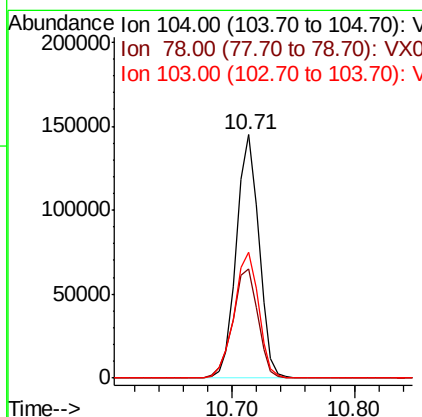
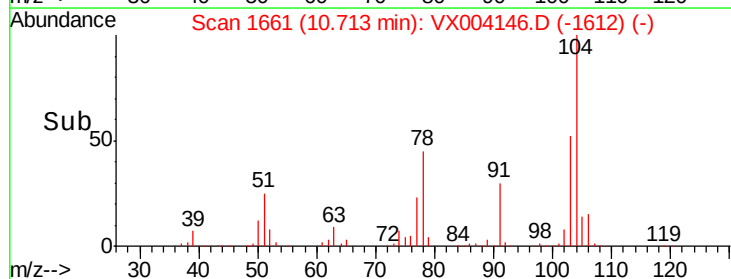
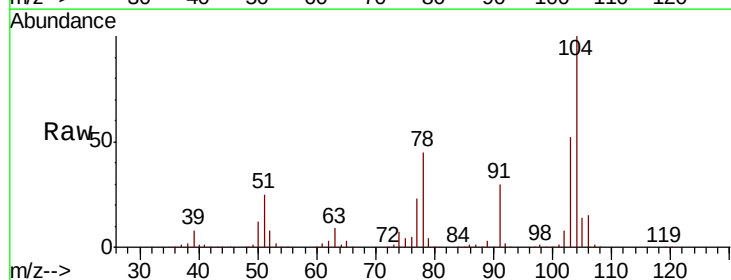
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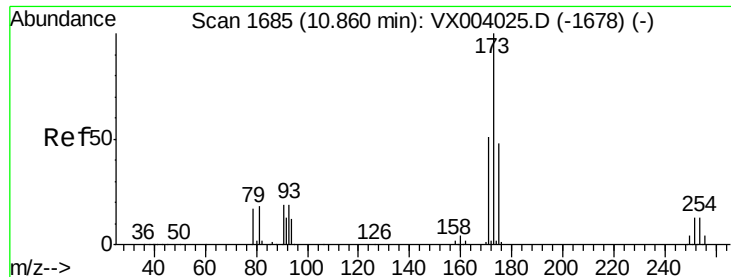
MMDadoda
8/21/2018 11:30:48 AM



#70
Styrene
Concen: 19.42 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion:104 Resp: 184293
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.6
103 56.1 44.3 66.5





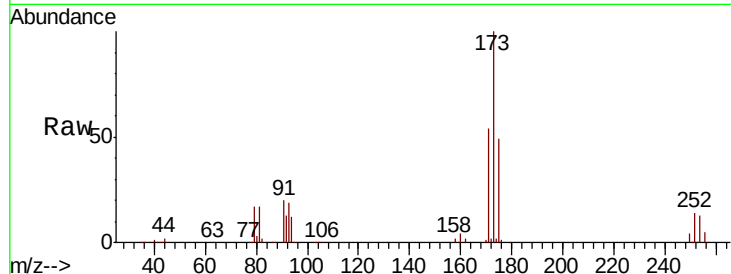
#71
Bromoform
Concen: 19.42 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.7
254	0.1	0.2	0.2

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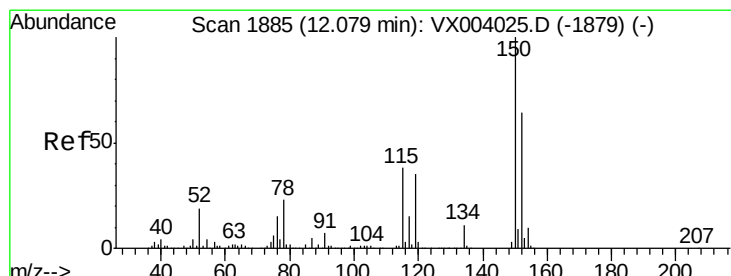
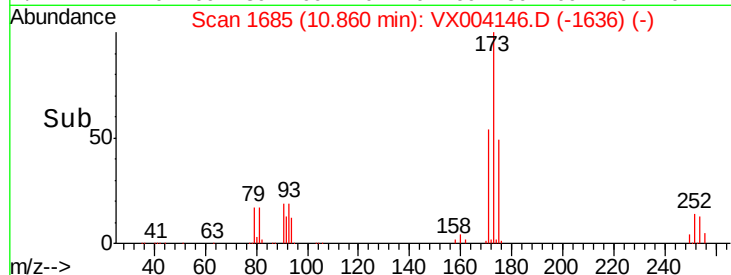
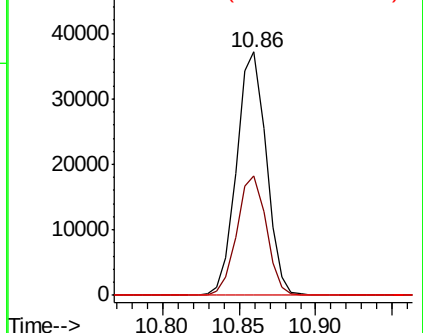


Abundance

Ion 172.70 (172.40 to 173.40): V

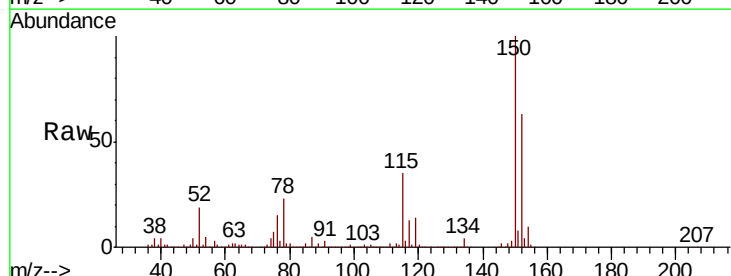
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	39.1	117.3
150	163.2	0.0	349.2

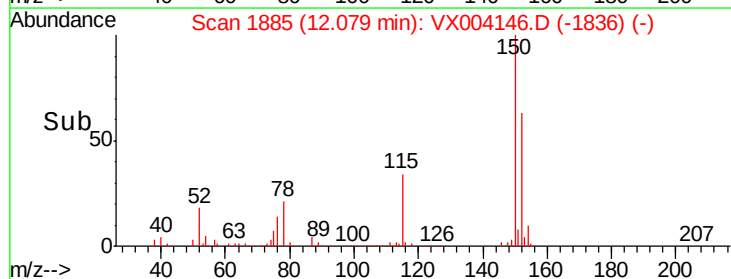
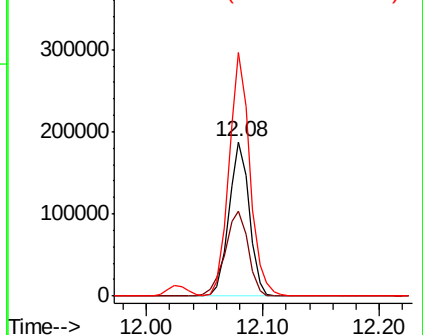


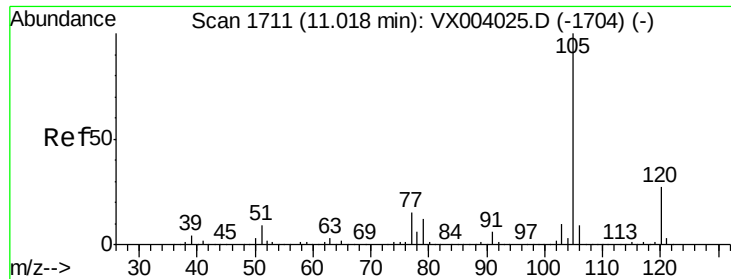
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.50 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion:105 Resp: 298707

Ion Ratio Lower Upper

105 100

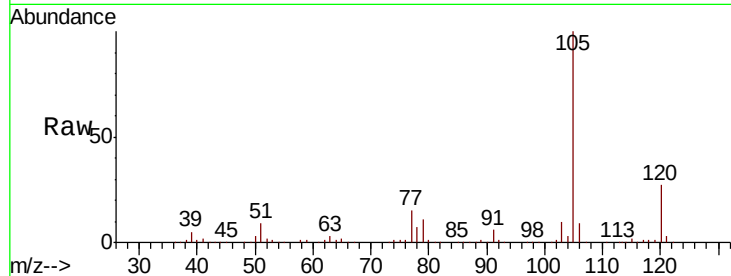
120 27.2 12.6 37.8

Manual Integrations

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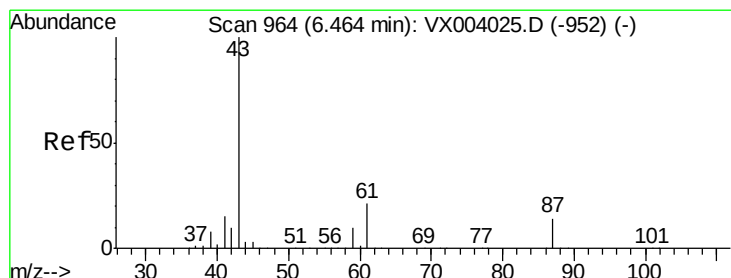
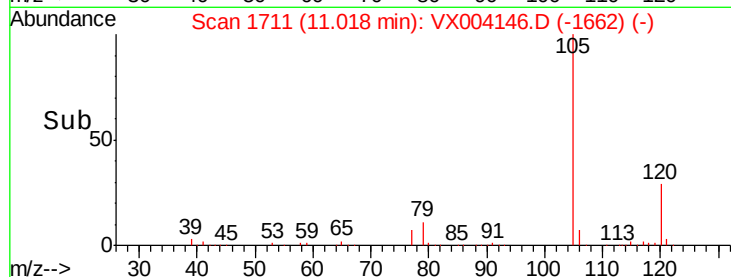
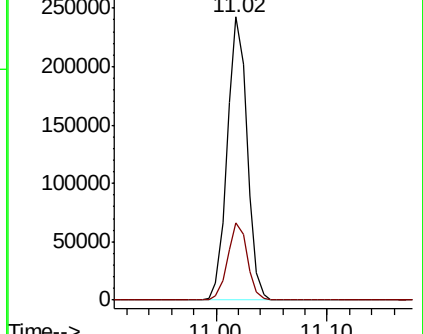
MMDadoda

8/21/2018 11:30:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.49 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion: 43 Resp: 140405

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

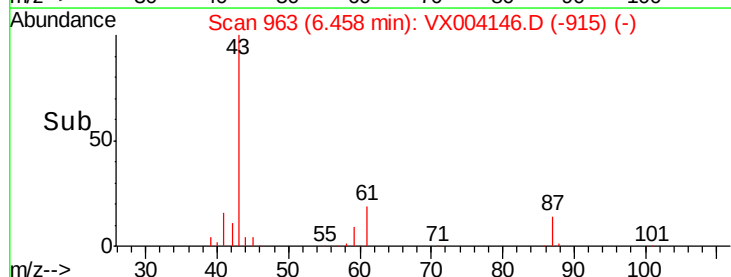
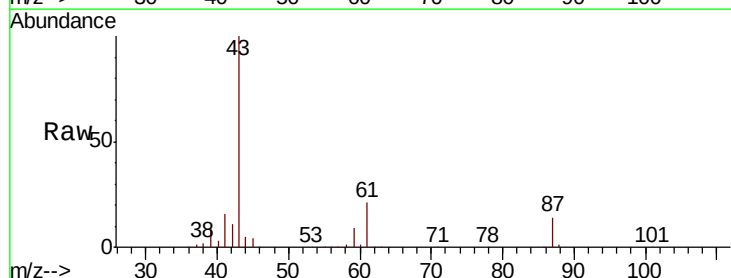
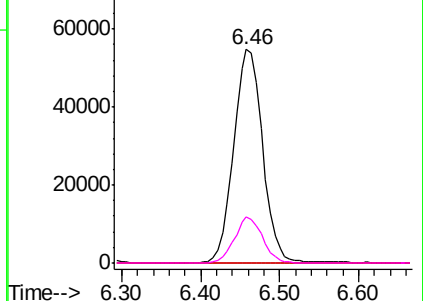
61 20.8 16.9 25.3

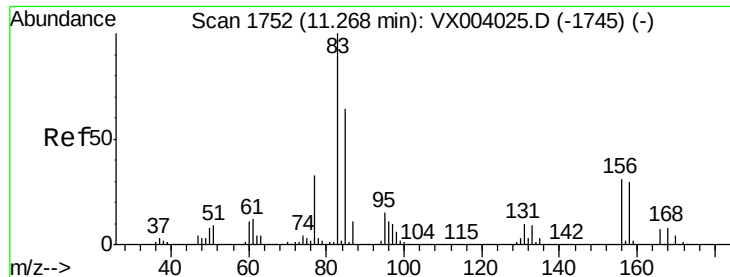
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.68 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

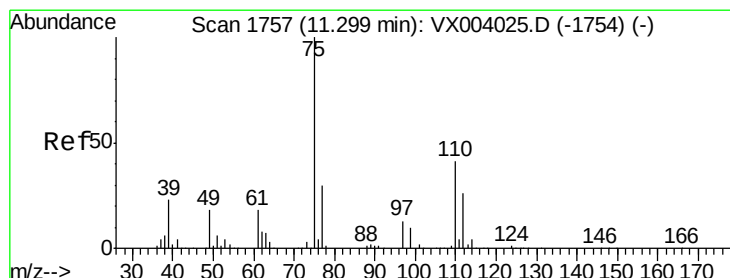
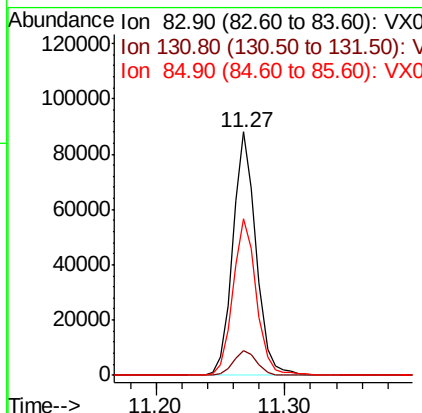
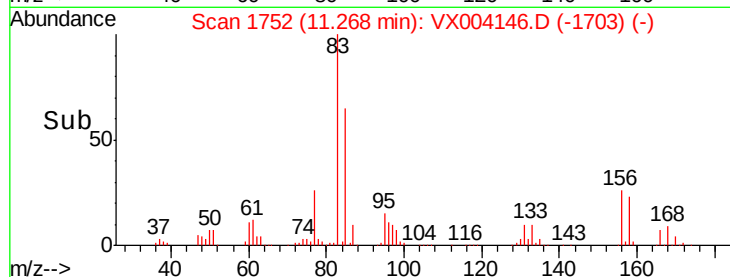
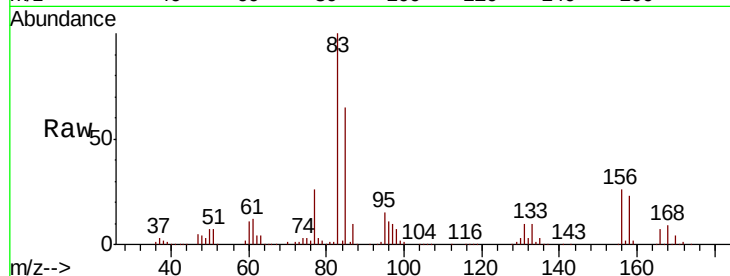
ClientSampled :

VX0820WBS01

Tot Ion:	83	Resp:	110614
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	65.0	32.2	96.6

Manual Integrations
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8/21/2018 11:30:48 AM



#76

1,2,3-Trichloropropane

Concen: 21.56 ug/l m

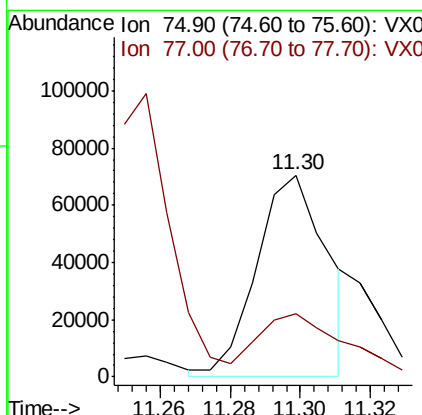
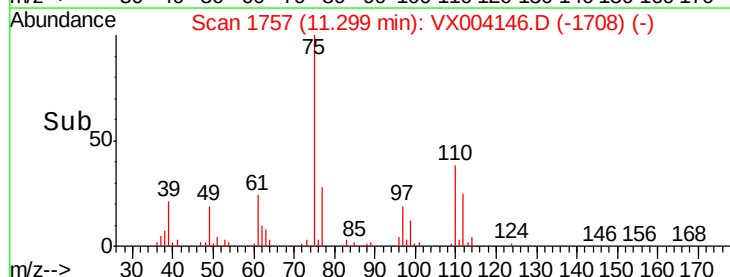
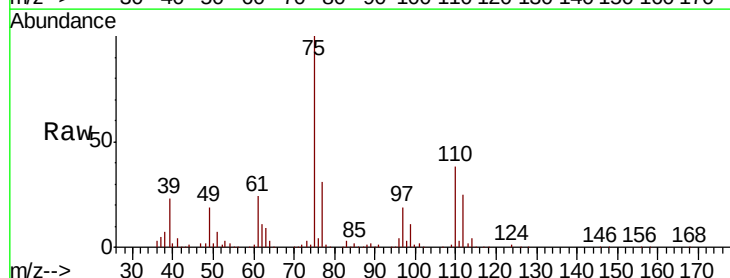
RT: 11.30 min Scan# 1757

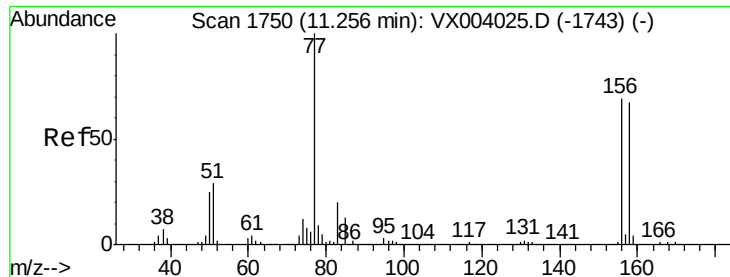
Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Tgt Ion:	75	Resp:	97885
Ion Ratio	Lower	Upper	
75	100		
77	38.9	20.8	62.5





#77

Bromobenzene

Concen: 20.19 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion:156 Resp: 85238

Ion Ratio Lower Upper

156 100

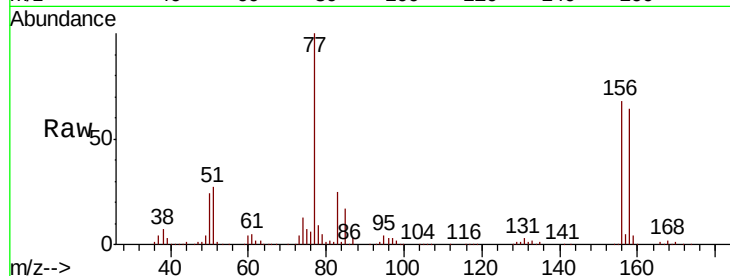
77 146.0 74.1 222.2

158 96.1 48.6 145.9

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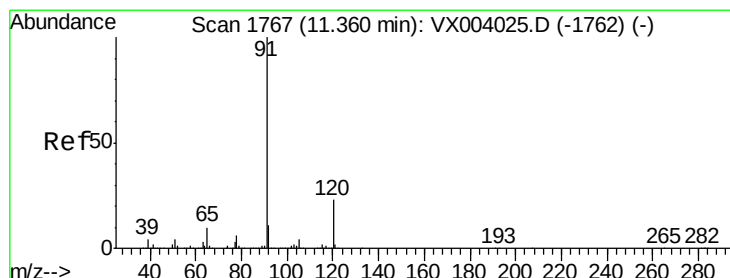
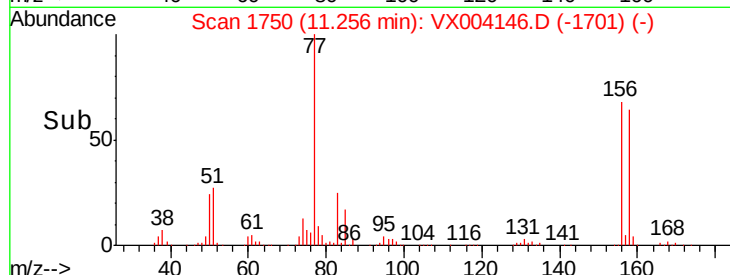
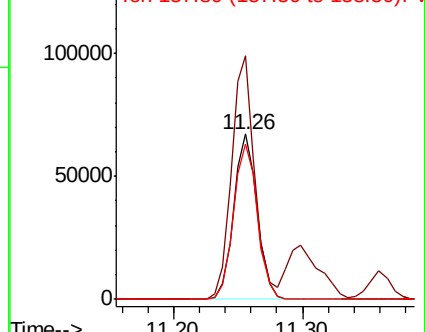
8/21/2018 11:30:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.63 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004146.D

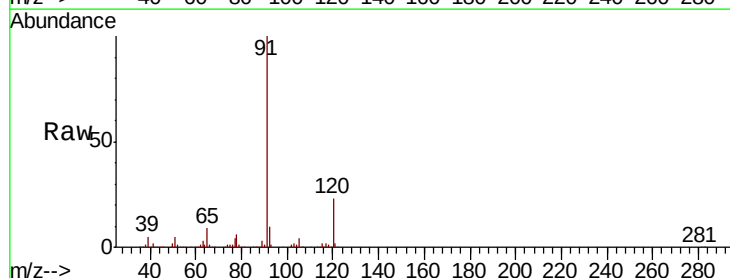
Acq: 20 Aug 2018 12:16

Tgt Ion: 91 Resp: 336504

Ion Ratio Lower Upper

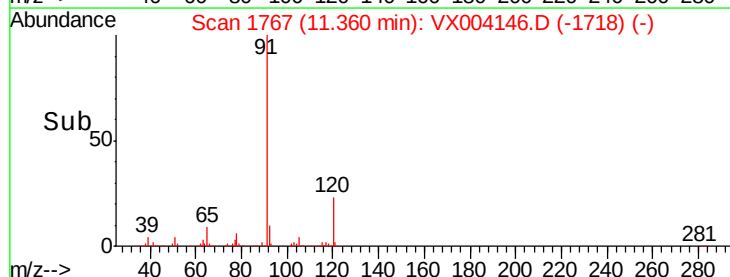
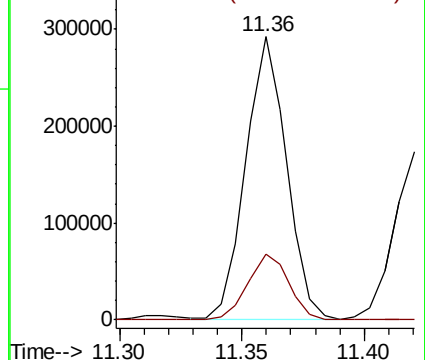
91 100

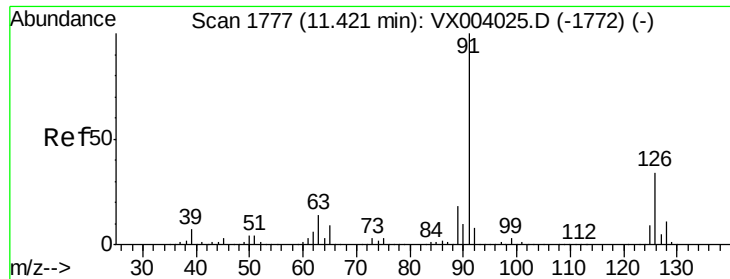
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.98 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 91 Resp: 208784

Ion Ratio Lower Upper

91 100

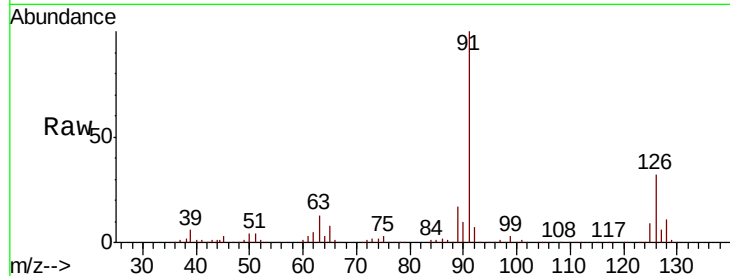
126 35.5 17.4 52.3

Manual Integrations

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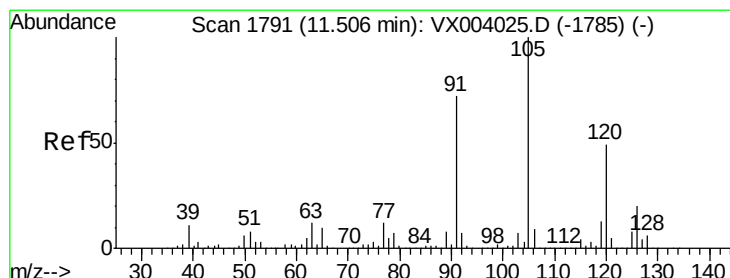
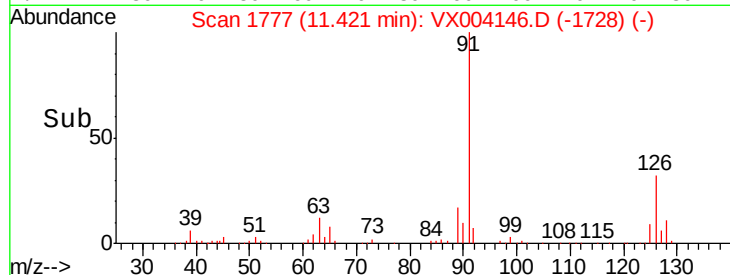
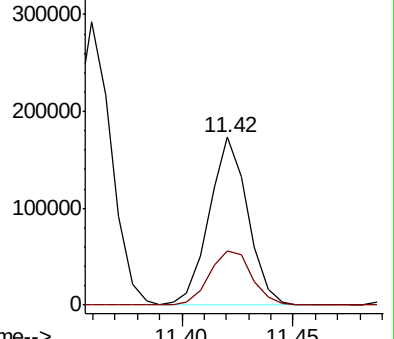
MMDadoda

8/21/2018 11:30:48 AM



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: 19.58 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004146.D

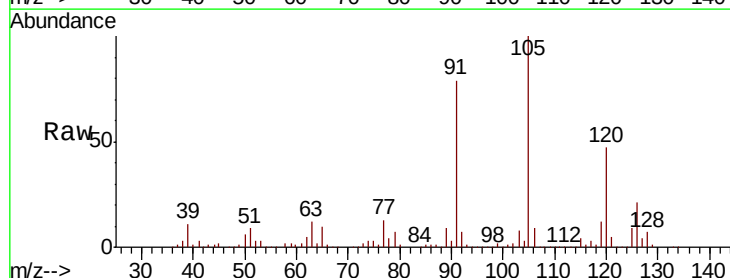
Acq: 20 Aug 2018 12:16

Tgt Ion:105 Resp: 245616

Ion Ratio Lower Upper

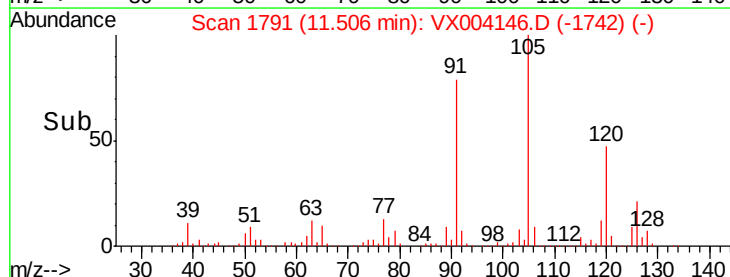
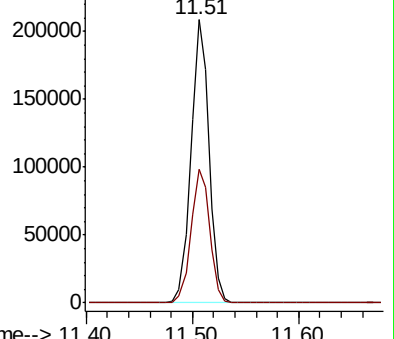
105 100

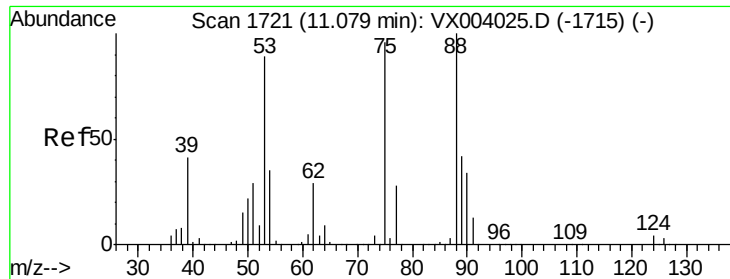
120 48.9 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





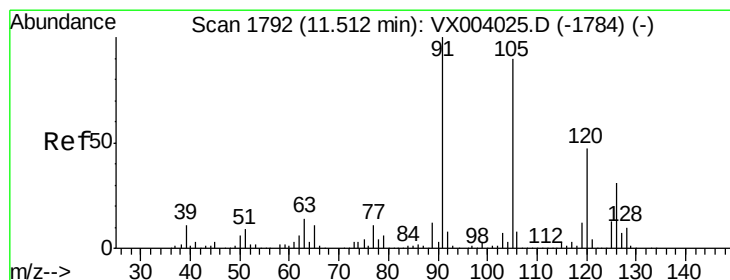
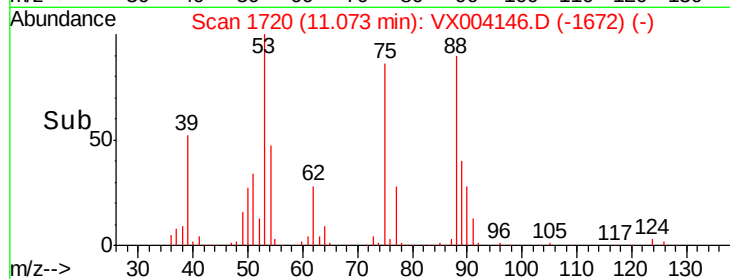
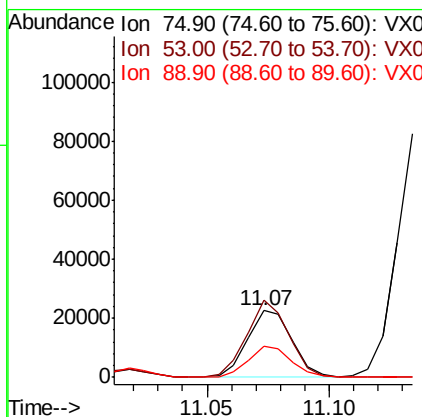
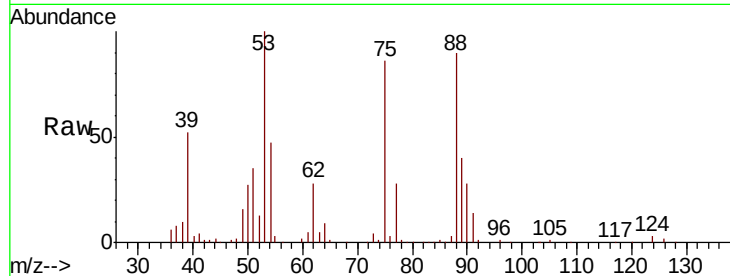
#81
trans-1,4-Dichloro-2-butene
Concen: 19.64 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	80.3	120.5
89	45.6	37.8	56.8

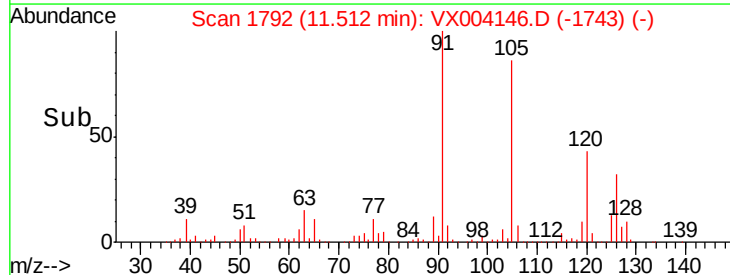
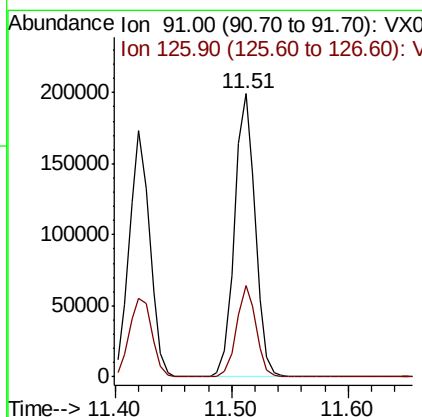
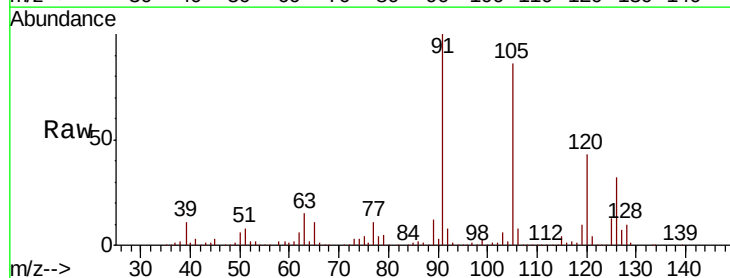
Manual Integrations
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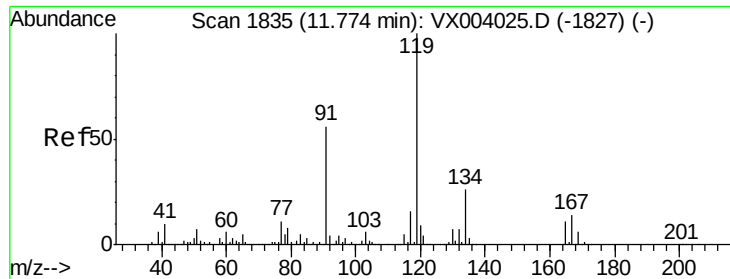
MMDadoda
8/21/2018 11:30:48 AM



#82
4-Chlorotoluene
Concen: 19.93 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.7





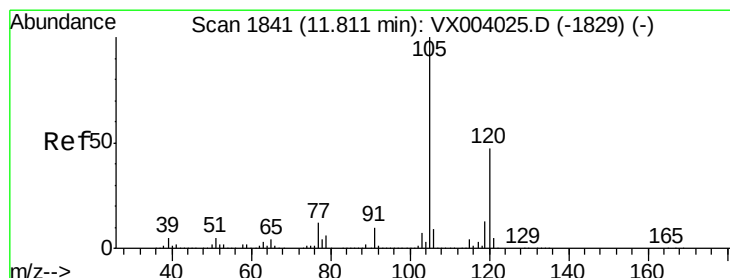
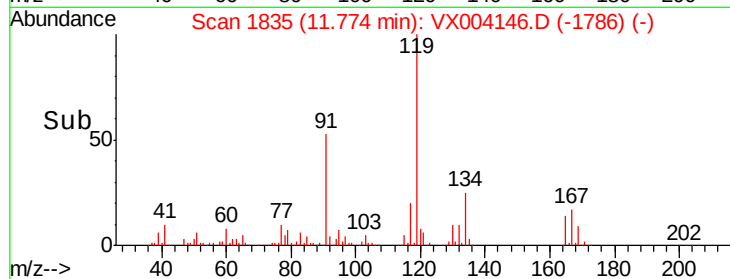
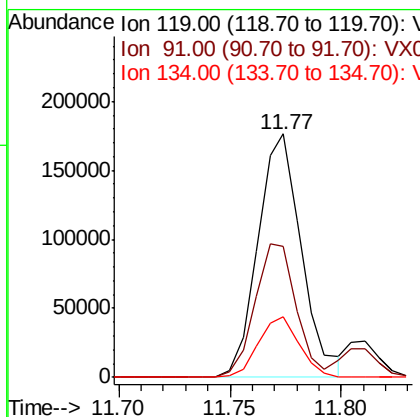
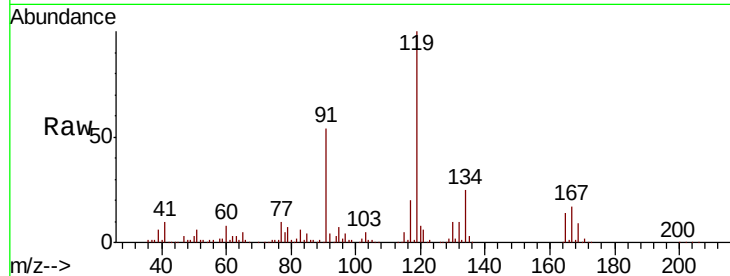
#83
 tert-Butylbenzene
 Concen: 18.94 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239524		
91	52.3	26.9	80.7	
134	23.6	12.0	36.0	

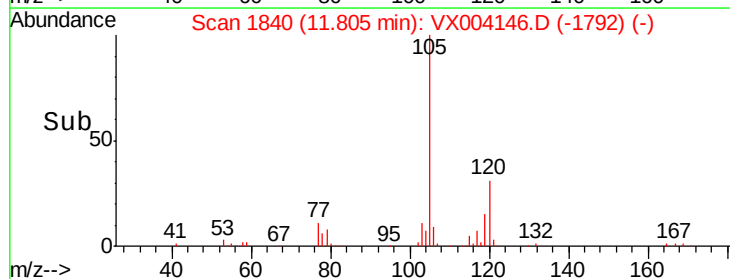
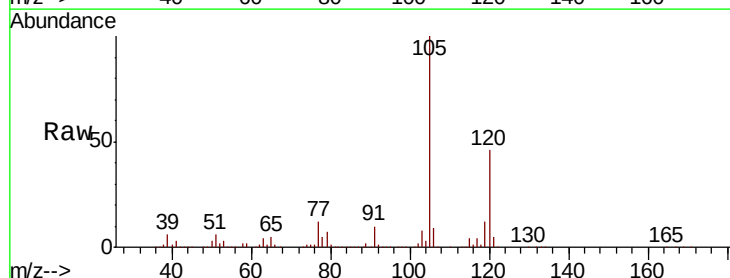
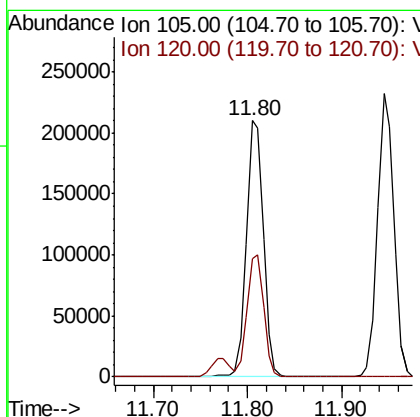
Manual Integrations
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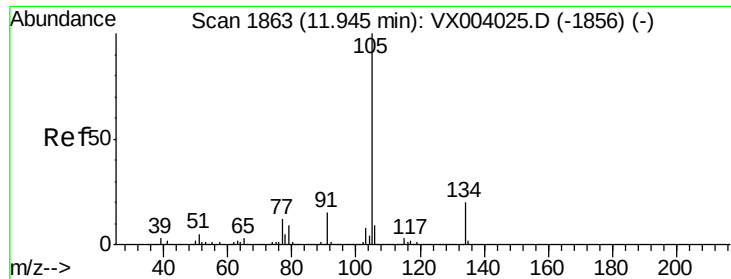
MMDadoda
 8/21/2018 11:30:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.38 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264750		
120	46.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 18.83 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0820WBS01

Tot Ion:105 Resp: 278774

Ion Ratio Lower Upper

105 100

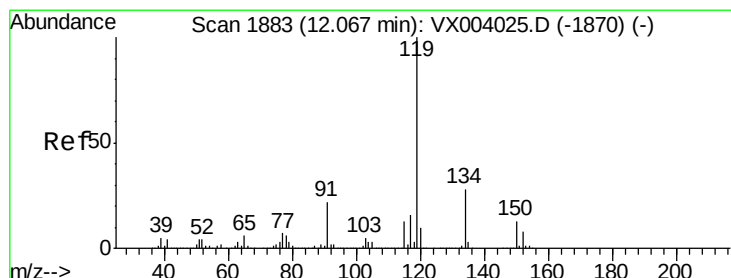
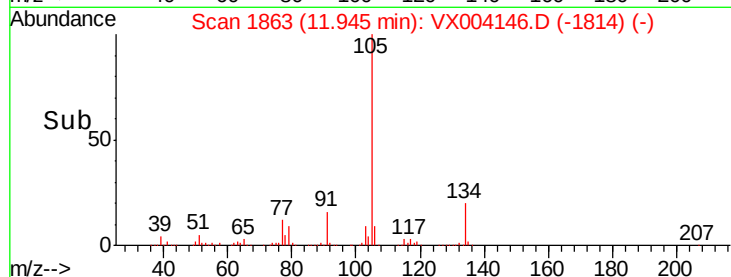
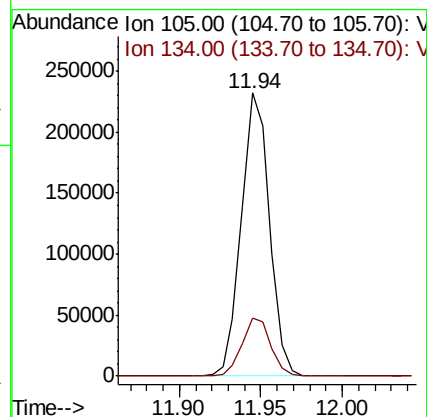
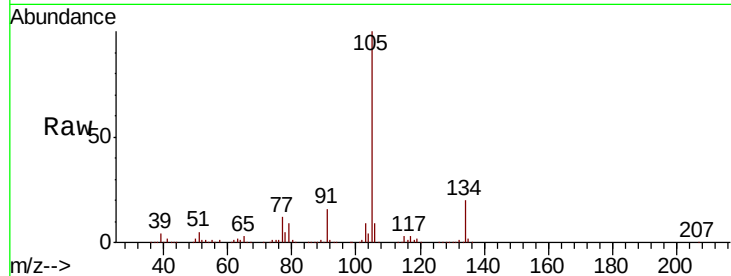
134 21.0 10.3 30.9

Manual Integrations

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8/21/2018 11:30:48 AM



#86

p-Isopropyltoluene

Concen: 19.24 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004146.D

Acq: 20 Aug 2018 12:16

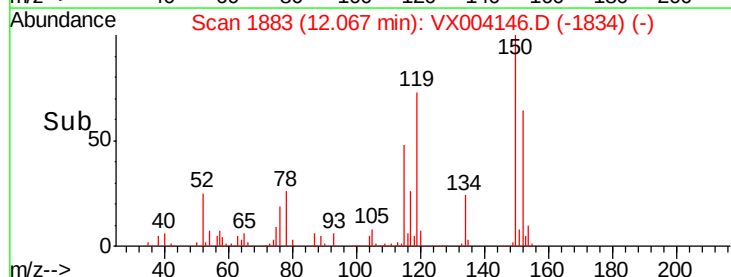
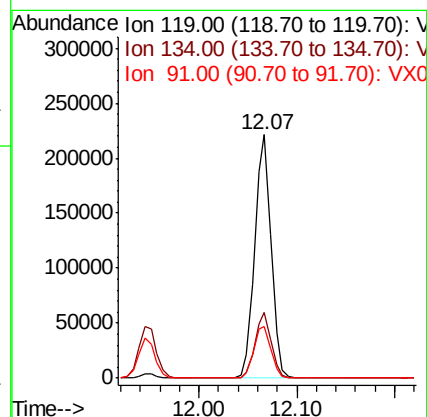
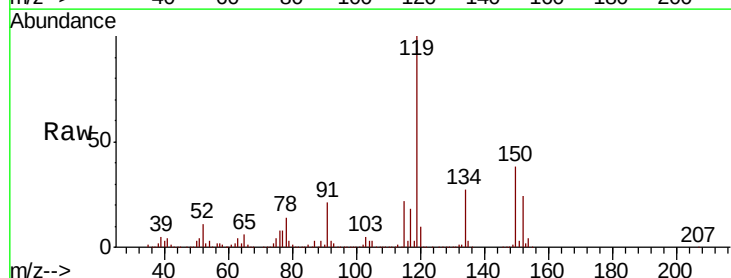
Tgt Ion:119 Resp: 257833

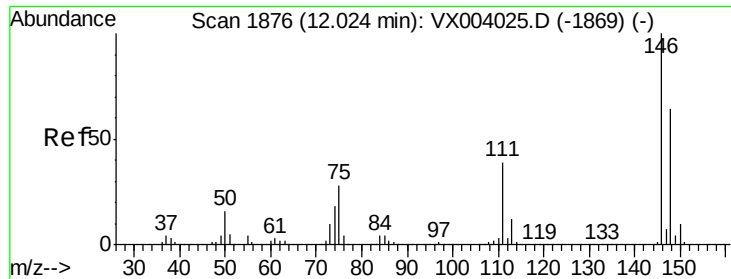
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.3 10.9 32.7





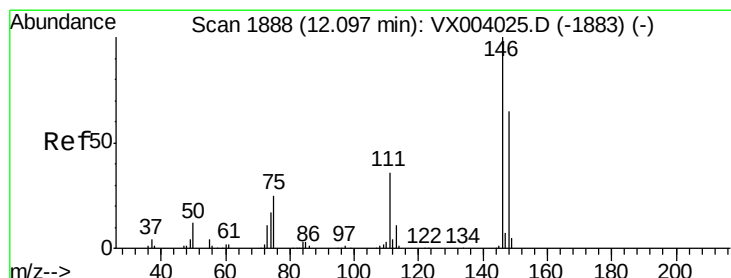
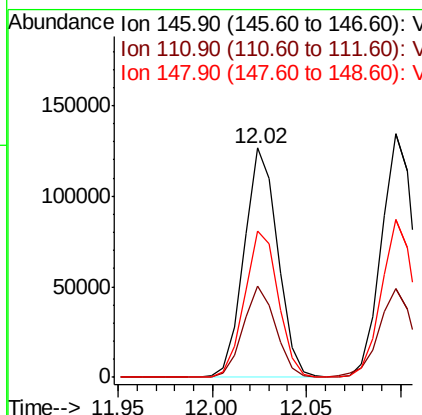
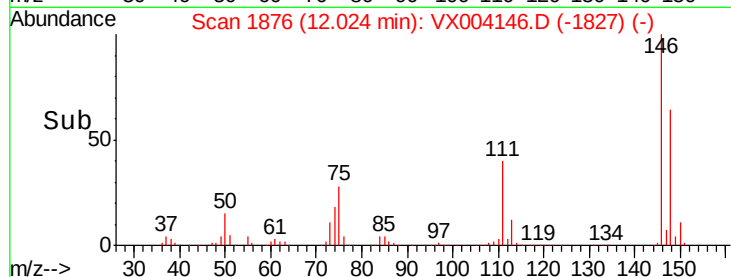
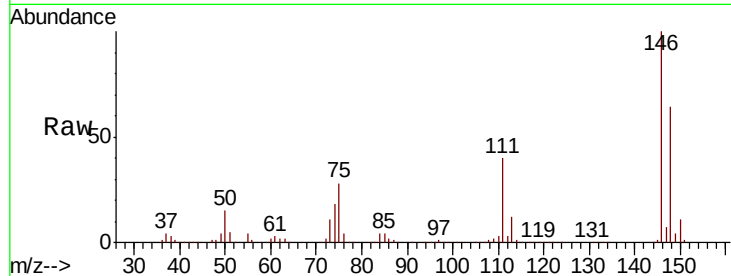
#87
 1,3-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX0820WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	64.2	31.9	95.5

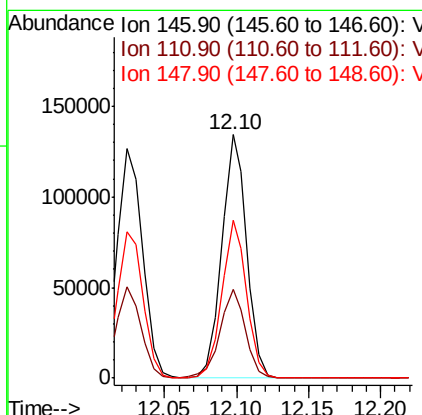
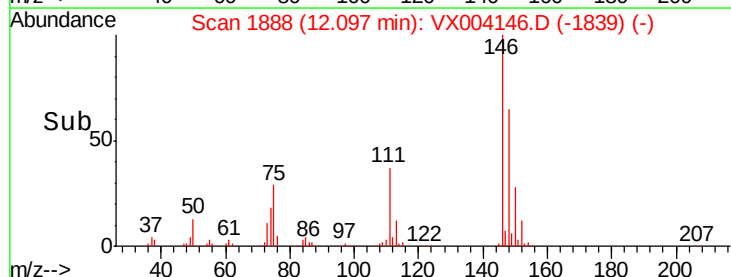
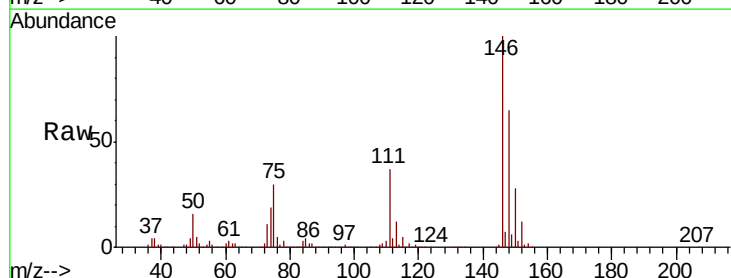
Manual Integrations
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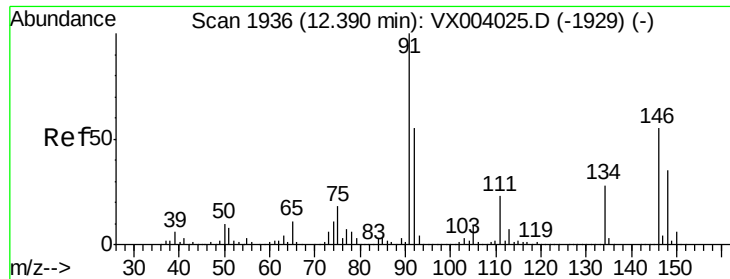
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#88
 1,4-Dichlorobenzene
 Concen: 19.60 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.6	32.3	96.8





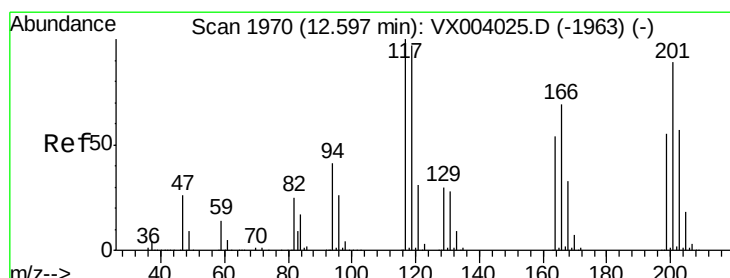
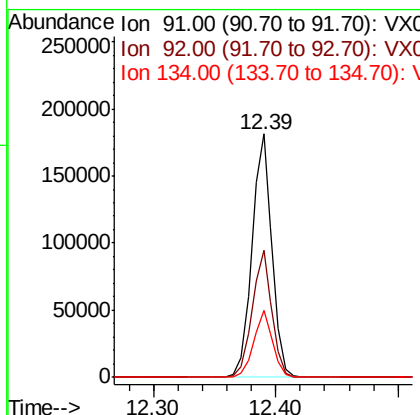
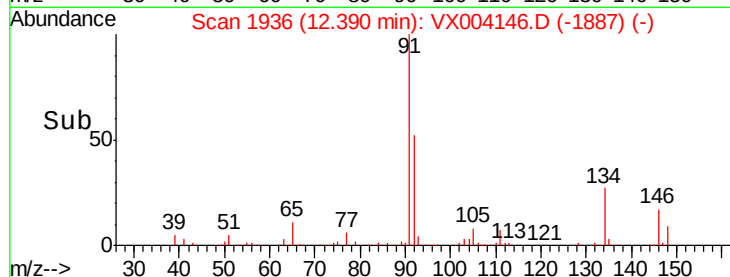
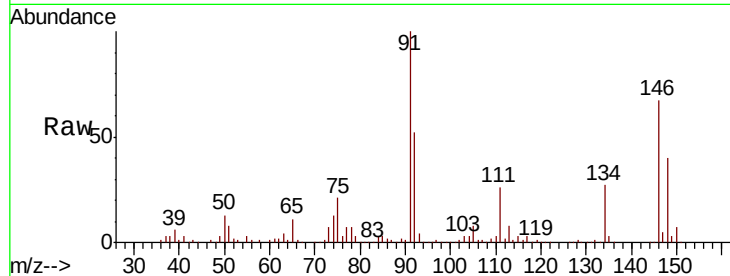
#89
n-Butylbenzene
Concen: 19.45 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	205393		
92	51.6	27.1	81.3	
134	26.2	13.6	40.7	

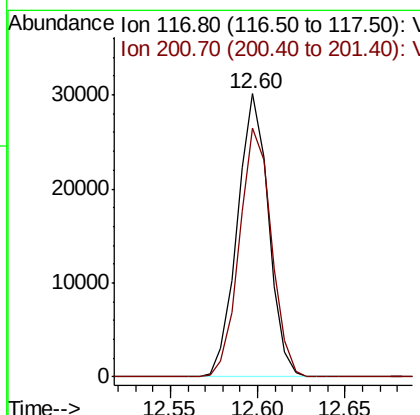
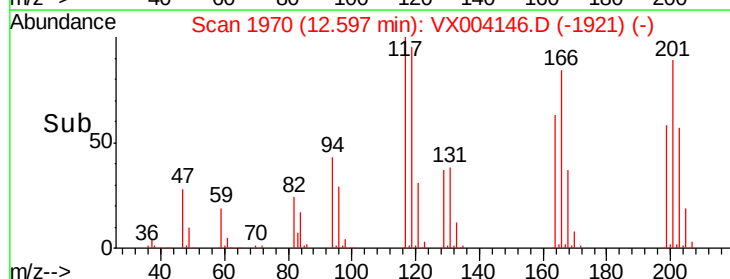
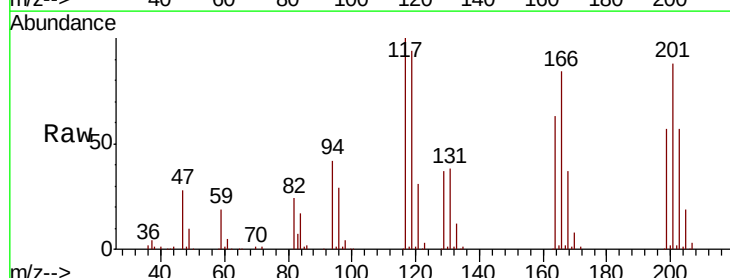
Manual Integrations
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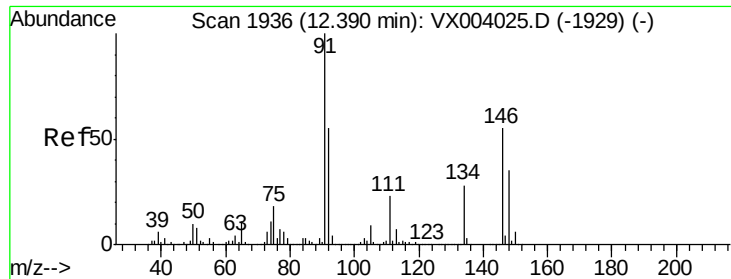
MMDadoda
8/21/2018 11:30:48 AM



#90
Hexachloroethane
Concen: 18.66 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37403		
201	89.9	46.1	138.2	





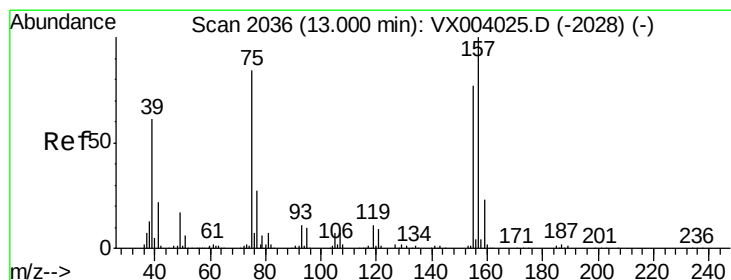
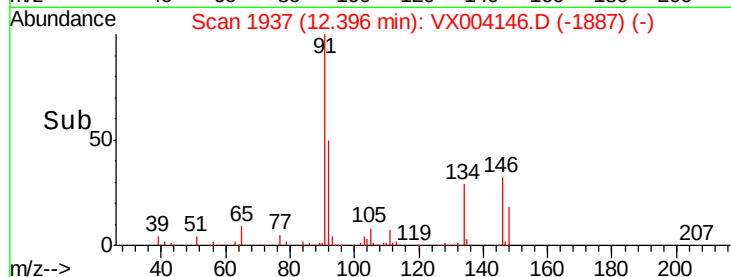
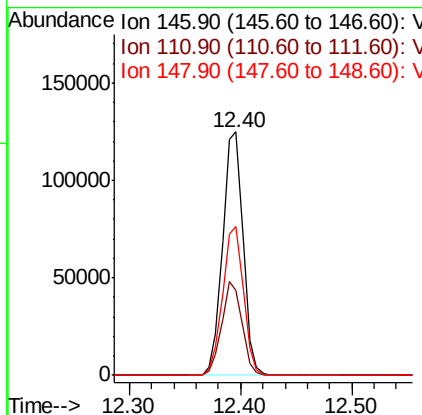
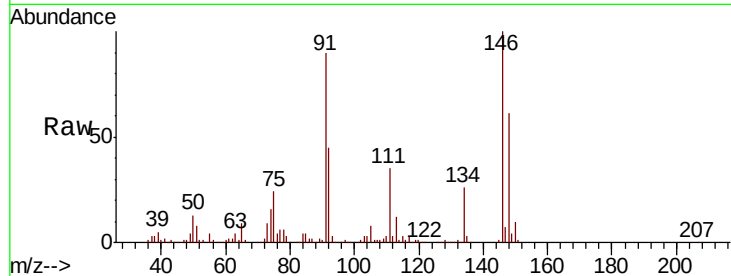
#91
 1,2-Dichlorobenzene
 Concen: 21.80 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158356		
111	38.0	19.7	59.0	
148	62.5	31.9	95.5	

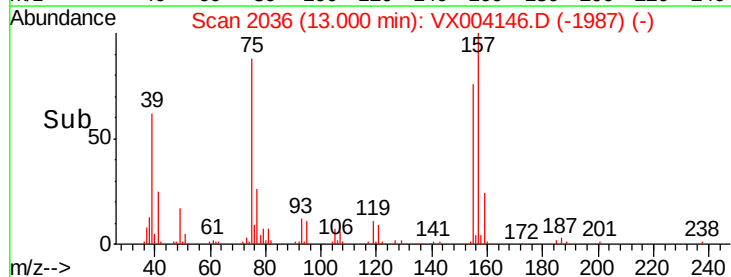
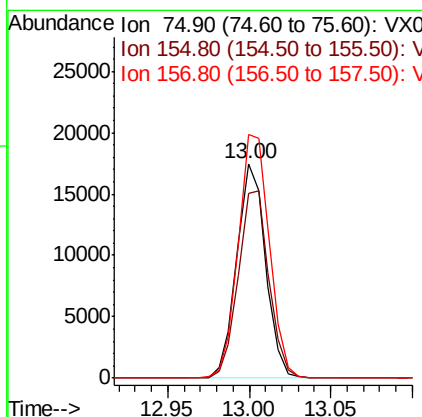
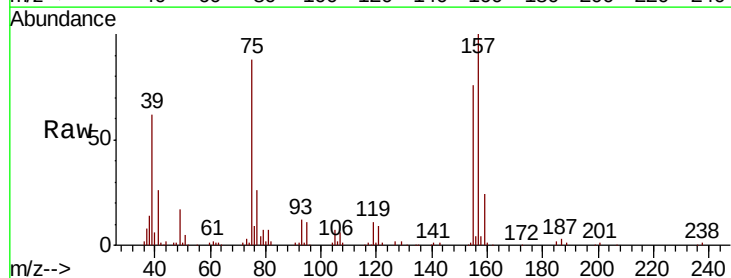
Manual Integrations
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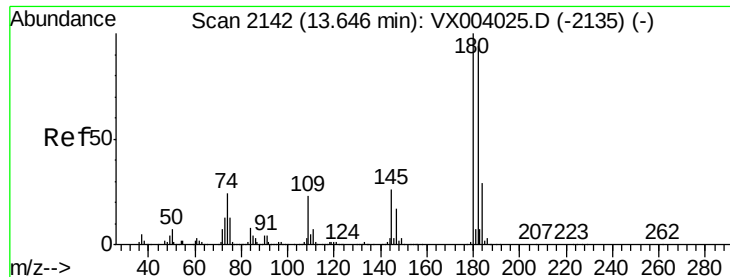
MMDadoda
 8/21/2018 11:30:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.97 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21600		
155	92.5	48.7	146.1	
157	122.3	62.6	187.8	





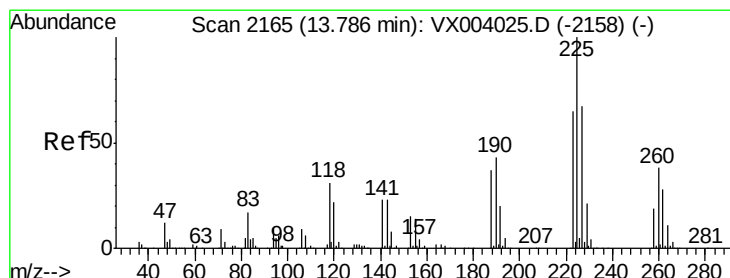
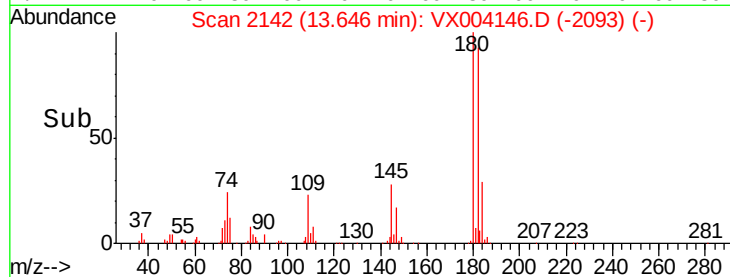
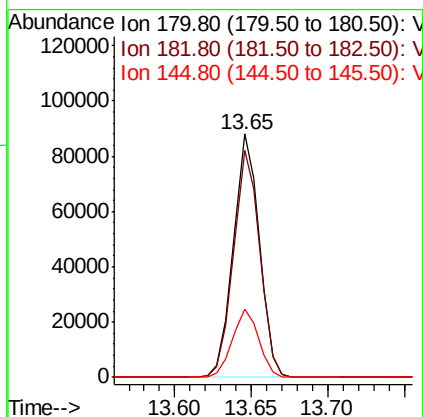
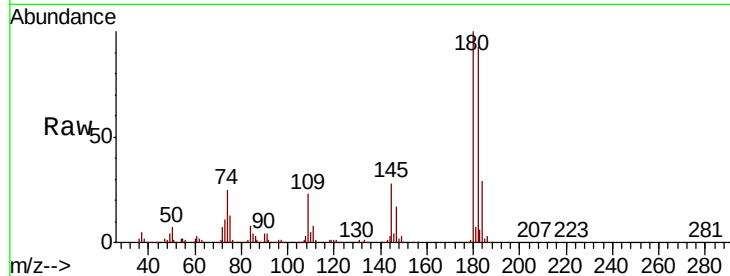
#93
 1,2,4-Trichlorobenzene
 Concen: 20.89 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103699		
182	94.4	47.7	143.1	
145	28.3	13.9	41.6	

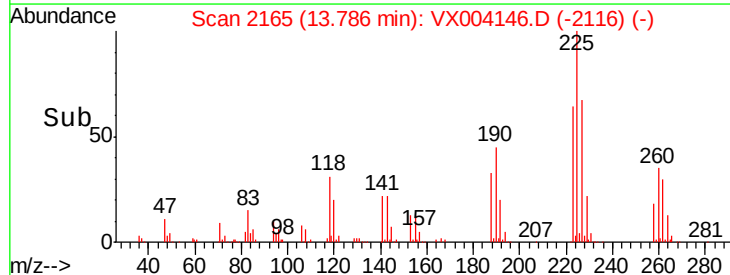
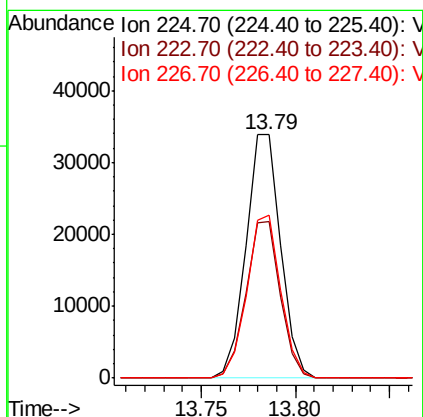
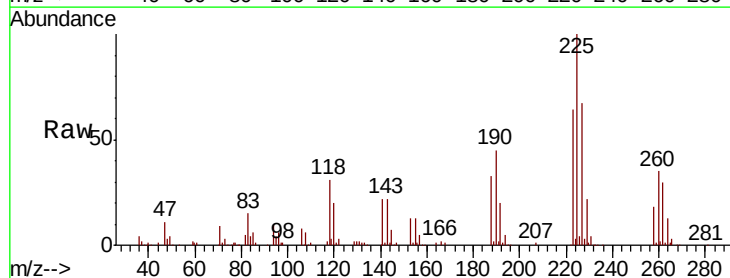
Manual Integrations
 APPROVED

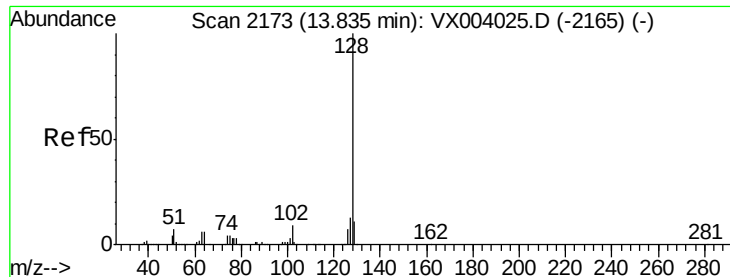
MMDadoda
 8/21/2018 11:30:48 AM



#94
 Hexachlorobutadiene
 Concen: 17.35 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004146.D
 Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43191		
223	63.5	31.4	94.0	
227	65.4	32.1	96.5	





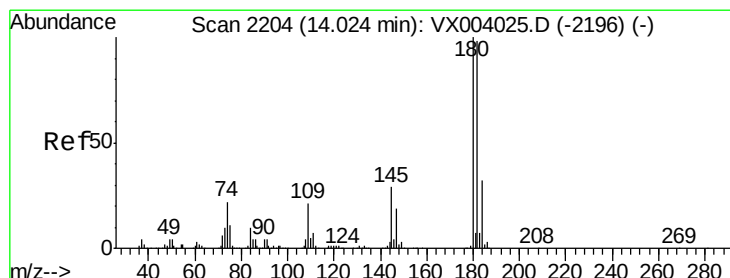
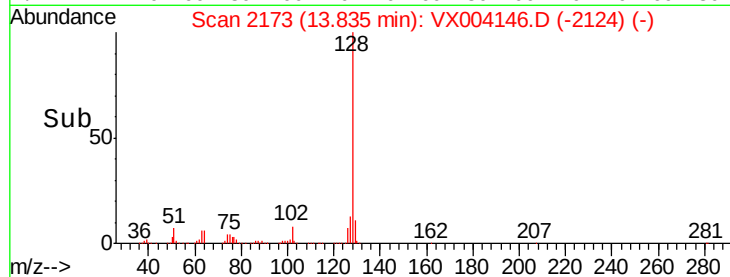
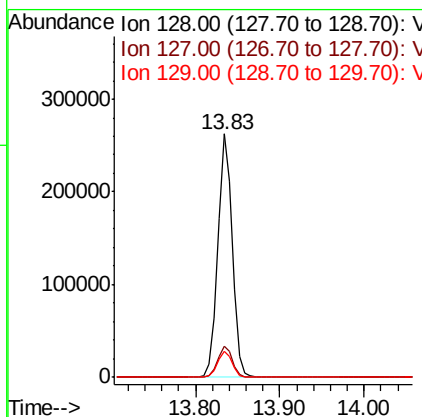
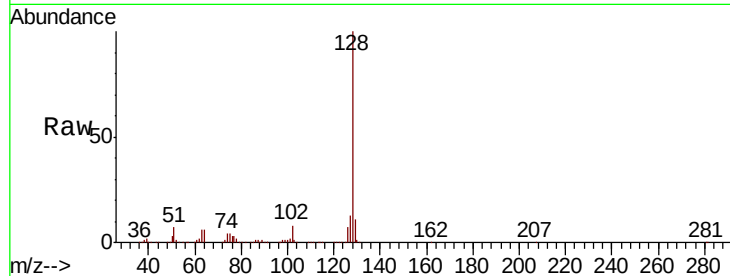
#95
Naphthalene
Concen: 20.39 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	311712		
127	12.8	10.2	15.2	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
8/21/2018 11:30:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.08 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004146.D
Acq: 20 Aug 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108693		
182	94.6	48.1	144.4	
145	29.6	14.9	44.7	

