

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004048.D
 Acq On : 15 Aug 2018 00:48
 Operator : JC/MD
 Sample : VX0814WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Manual Integrations
 APPROVED

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 8/15/2018 4:49:56 PM

Quant Time: Aug 15 14:44:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	442595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	257037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	220046	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	5.51	113	173001	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	8.72	98	701069	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	249040	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59869	21.71	ug/l	98
3) Chloromethane	1.32	50	70924	20.95	ug/l	99
4) Vinyl Chloride	1.40	62	78245	21.36	ug/l	99
5) Bromomethane	1.64	94	45953	24.67	ug/l	98
6) Chloroethane	1.73	64	55195	21.91	ug/l	98
7) Trichlorofluoromethane	1.93	101	110505	21.51	ug/l	99
8) Diethyl Ether	2.18	74	47898	21.36	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68400	21.34	ug/l	98
10) Methyl Iodide	2.51	142	63086	21.59	ug/l	98
11) Tert butyl alcohol	3.04	59	90322	112.35	ug/l	99
12) 1,1-Dichloroethene	2.38	96	64071	21.49	ug/l	95
13) Acrolein	2.29	56	56830	110.57	ug/l	99
14) Allyl chloride	2.73	41	115361	20.34	ug/l	97
15) Acrylonitrile	3.14	53	220584	110.04	ug/l	100
16) Acetone	2.43	43	226386	109.06	ug/l	98
17) Carbon Disulfide	2.57	76	175906	20.81	ug/l	99
18) Methyl Acetate	2.77	43	99623	21.60	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	222248	21.16	ug/l	100
20) Methylene Chloride	2.86	84	77301	22.45	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	70498	20.82	ug/l	98
22) Diisopropyl ether	3.86	45	234847	21.13	ug/l	91
23) Vinyl Acetate	3.82	43	991208	108.58	ug/l	100
24) 1,1-Dichloroethane	3.70	63	134830	21.42	ug/l	99
25) 2-Butanone	4.69	43	371071	109.87	ug/l	100
26) 2,2-Dichloropropane	4.59	77	78098	15.60	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	81025	21.28	ug/l	99
28) Bromochloromethane	5.02	49	68272	23.64	ug/l	95
29) Tetrahydrofuran	5.15	42	186790	108.25	ug/l	97
30) Chloroform	5.22	83	131519	21.41	ug/l	97
31) Cyclohexane	5.58	56	115930	21.01	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	110466	21.52	ug/l	98
36) 1,1-Dichloropropene	5.81	75	96894	19.24	ug/l	99
37) Ethyl Acetate	4.85	43	113115	20.62	ug/l	99
38) Carbon Tetrachloride	5.79	117	93400	19.09	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109685	19.20	ug/l	99
40) Benzene	6.15	78	309773	20.48	ug/l	99
41) Methacrylonitrile	5.06	41	61863	20.14	ug/l	99
42) 1,2-Dichloroethane	6.20	62	109770	20.74	ug/l	100
43) Isopropyl Acetate	6.46	43	161738	20.01	ug/l	99
44) Trichloroethene	7.21	130	81905	19.95	ug/l	95
45) 1,2-Dichloropropane	7.52	63	78976	20.40	ug/l	100
46) Dibromomethane	7.67	93	52206	20.63	ug/l	99
47) Bromodichloromethane	7.90	83	96624	20.16	ug/l	98
48) Methyl methacrylate	7.78	41	82904	20.37	ug/l	97
49) 1,4-Dioxane	7.76	88	38405	419.17	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	713185	107.59	ug/l	99
52) Toluene	8.79	92	199953	20.91	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	99552	19.23	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	110518	19.28	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	80751	20.44	ug/l	99
56) Ethyl methacrylate	9.18	69	107430	20.00	ug/l	99
57) 1,3-Dichloropropane	9.37	76	134782	20.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	286242	104.66	ug/l	99
59) 2-Hexanone	9.50	43	537739	107.79	ug/l	98
60) Dibromochloromethane	9.59	129	76267	20.07	ug/l	100
61) 1,2-Dibromoethane	9.68	107	82849	20.58	ug/l	99
64) Tetrachloroethene	9.34	164	82726	21.22	ug/l	95
65) Chlorobenzene	10.14	112	210295	19.79	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.22	131	72914	20.12	ug/l	98
67) Ethyl Benzene	10.26	91	347888	20.68	ug/l	99
68) m/p-Xylenes	10.36	106	271836	41.26	ug/l	95
69) o-Xylene	10.70	106	130348	20.70	ug/l	93
70) Styrene	10.71	104	225150	21.25	ug/l	97
71) Bromoform	10.86	173	56492	19.66	ug/l	100
73) Isopropylbenzene	11.02	105	364953	20.98	ug/l	97
74) N-amyl acetate	6.46	43	161738	19.77	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	124196	20.45	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	109269m	21.20	ug/l	
77) Bromobenzene	11.26	156	96629	20.15	ug/l	99
78) n-propylbenzene	11.36	91	416415	21.39	ug/l	100
79) 2-Chlorotoluene	11.42	91	252859	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	300397	21.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	29164	17.51	ug/l	95
82) 4-Chlorotoluene	11.51	91	284314	20.28	ug/l	99
83) tert-Butylbenzene	11.77	119	295523	20.58	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	313765	21.27	ug/l	99
85) sec-Butylbenzene	11.94	105	349750	20.81	ug/l	100
86) p-Isopropyltoluene	12.07	119	315850	20.76	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	178447	19.51	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182108	19.35	ug/l	99
89) n-Butylbenzene	12.39	91	239059	19.94	ug/l	97
90) Hexachloroethane	12.60	117	41965	18.43	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	169805	20.59	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20738	19.42	ug/l	97

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ClientSampleId :
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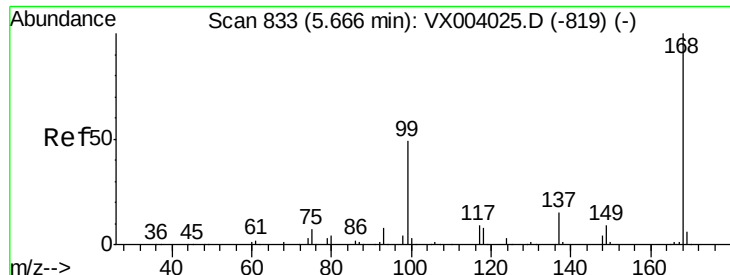
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107568	19.08	ug/l	97
94) Hexachlorobutadiene	13.79	225	50567	17.89	ug/l	96
95) Naphthalene	13.83	128	343869	19.84	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	118964	19.35	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion:168 Resp: 283355

Ion Ratio Lower Upper

168 100

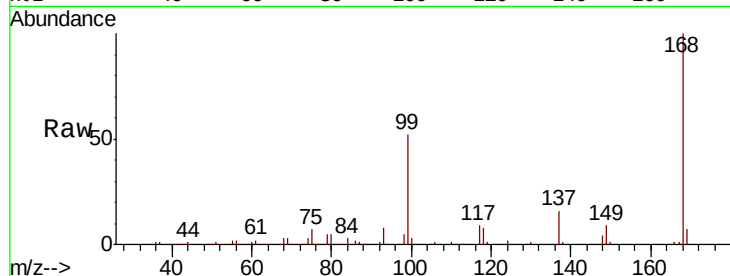
99 52.2 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

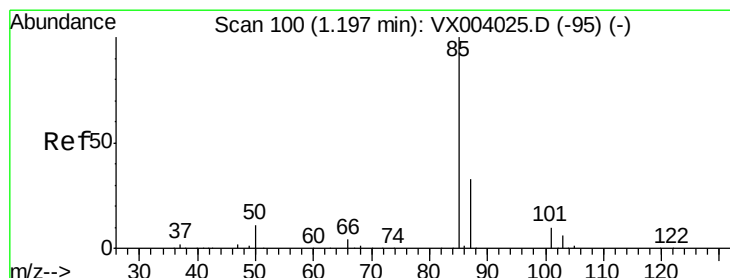
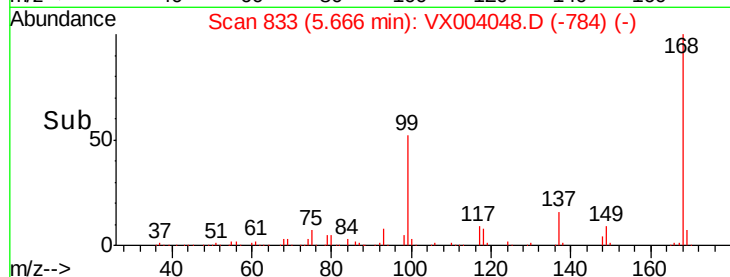
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.71 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004048.D

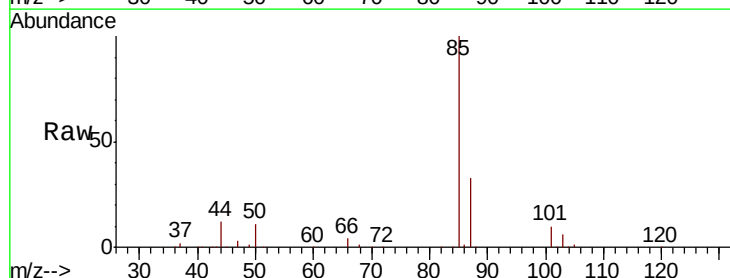
Acq: 15 Aug 2018 00:48

Tgt Ion: 85 Resp: 59869

Ion Ratio Lower Upper

85 100

87 33.0 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

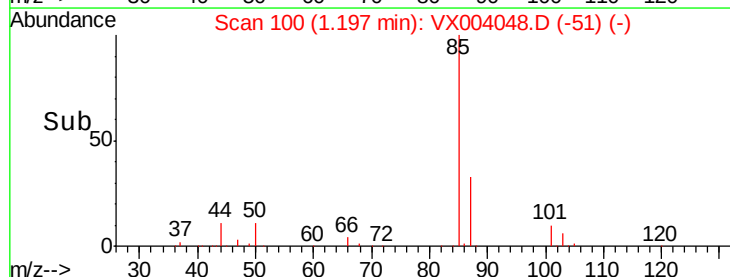
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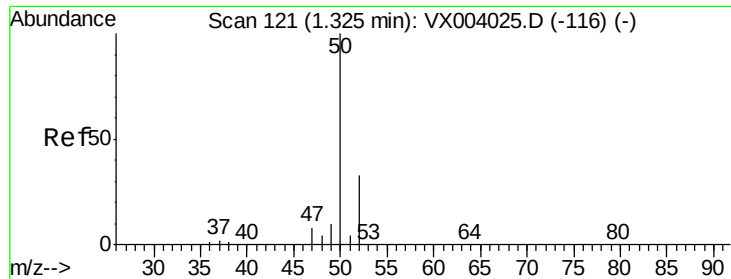
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 50 Resp: 70924

Ion Ratio Lower Upper

50 100

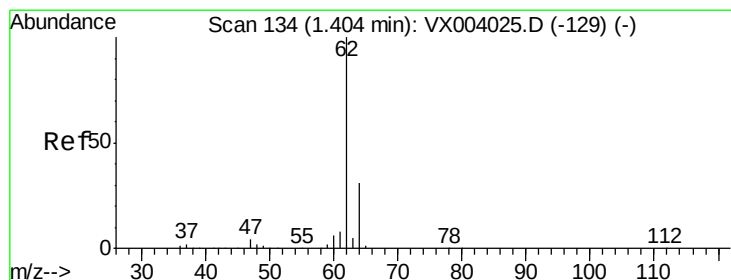
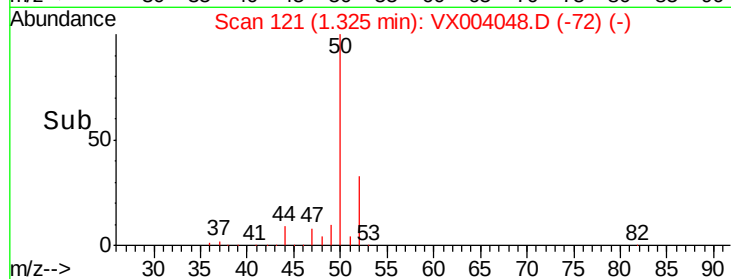
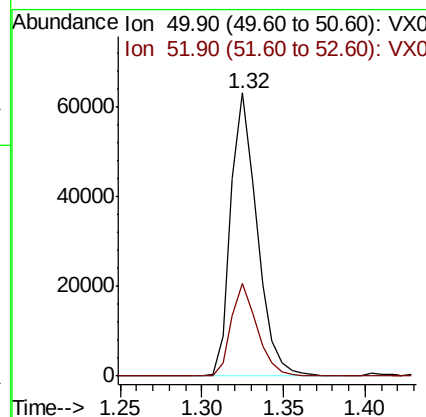
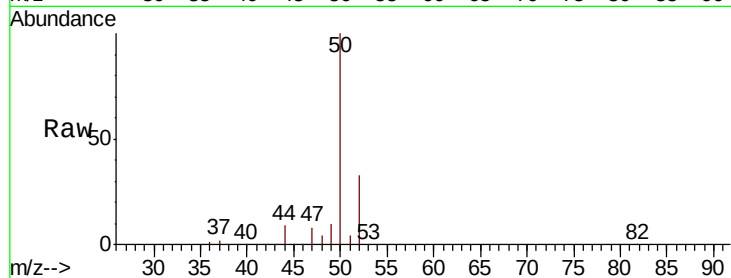
52 32.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004048.D

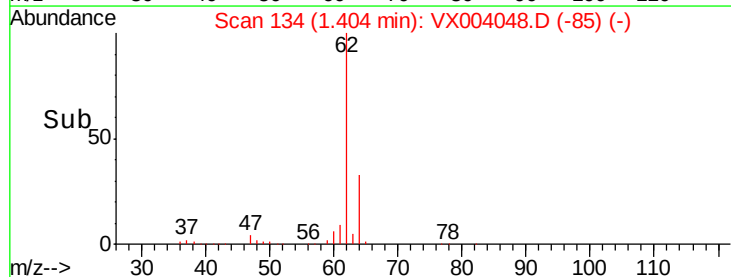
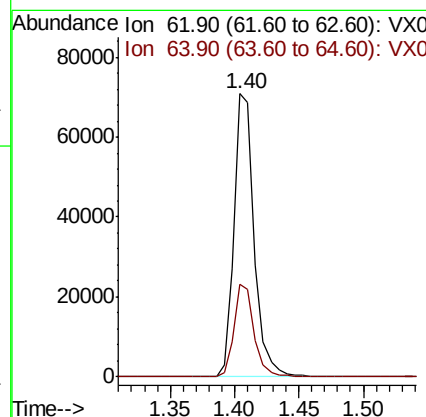
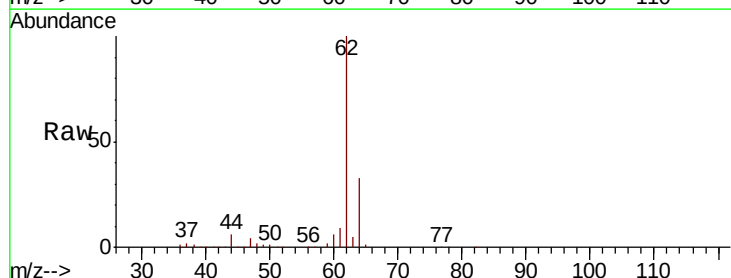
Acq: 15 Aug 2018 00:48

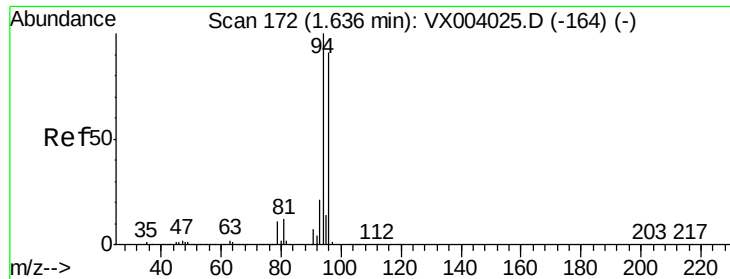
Tgt Ion: 62 Resp: 78245

Ion Ratio Lower Upper

62 100

64 32.9 26.0 39.0





#5

Bromomethane

Concen: 24.67 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 94 Resp: 45953

Ion Ratio Lower Upper

94 100

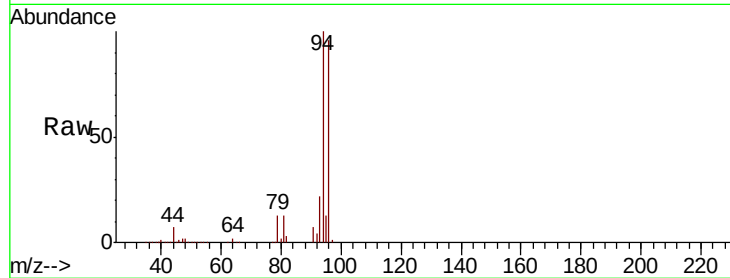
96 96.1 75.2 112.8

Manual Integrations

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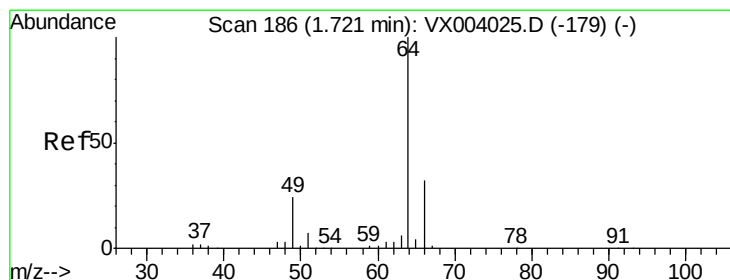
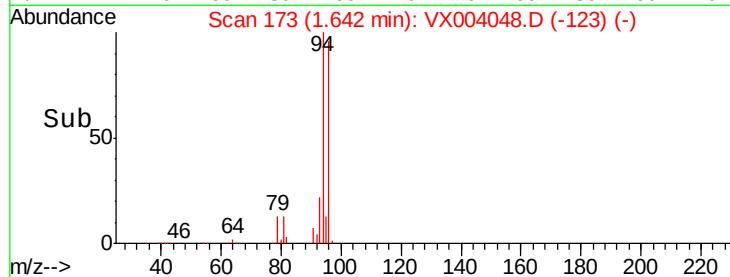
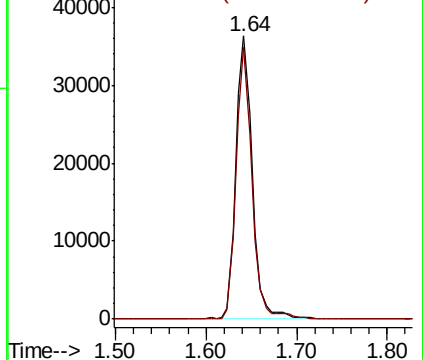
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.91 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004048.D

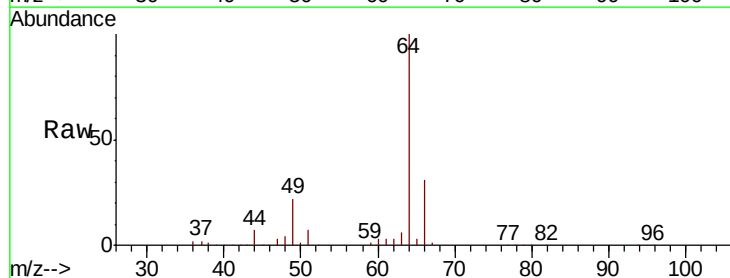
Acq: 15 Aug 2018 00:48

Tgt Ion: 64 Resp: 55195

Ion Ratio Lower Upper

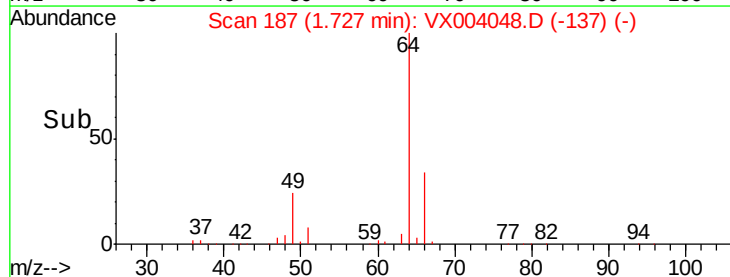
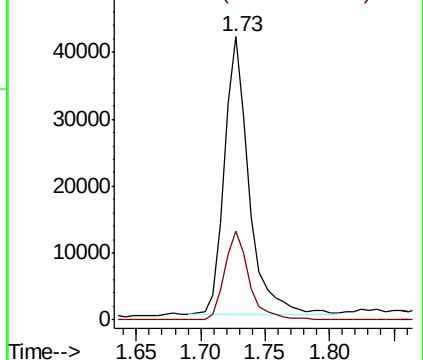
64 100

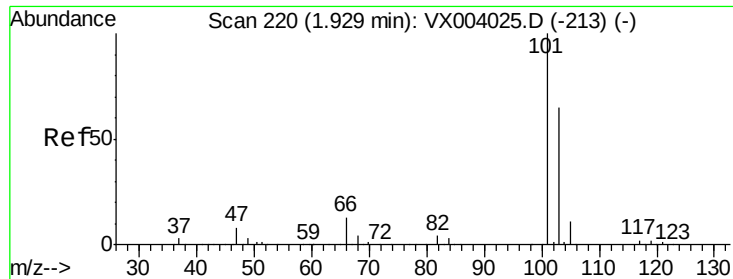
66 31.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

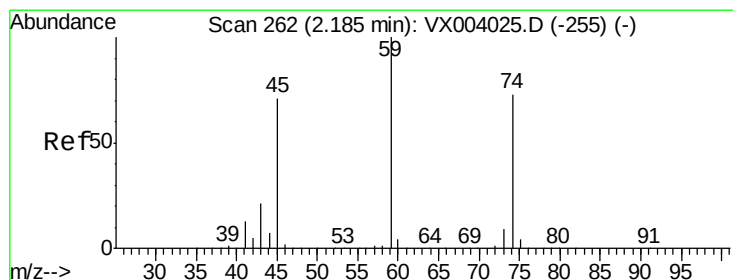
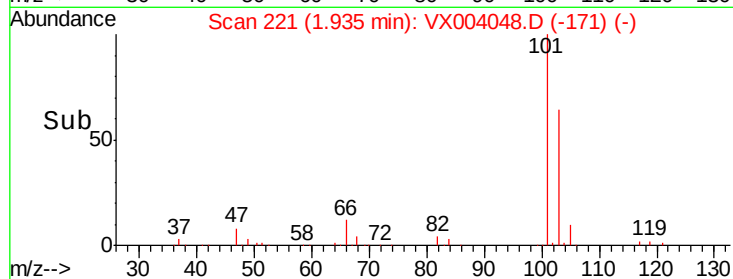
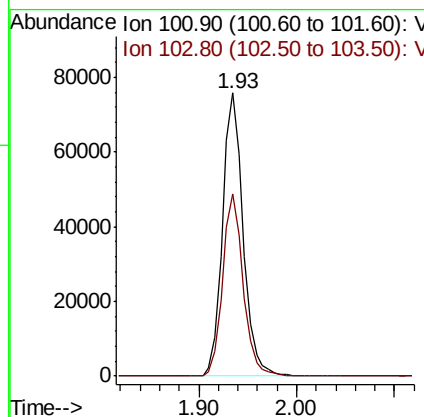
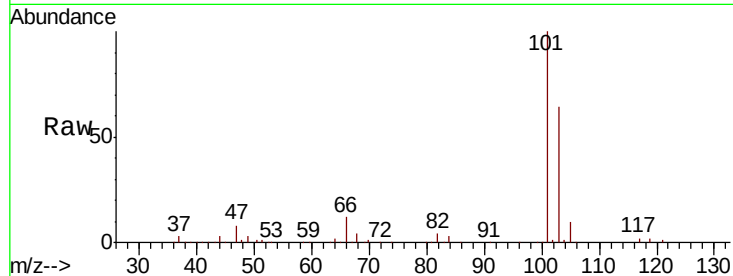
Trichlorofluoromethane
 Concen: 21.51 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

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 VX0814WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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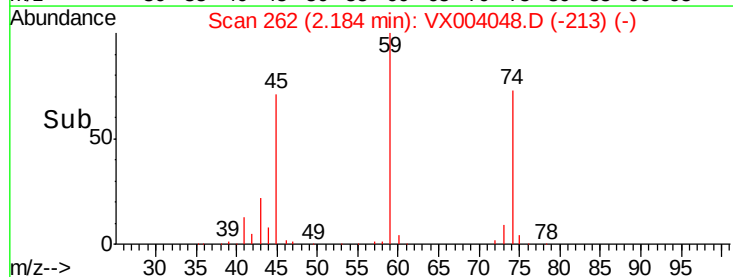
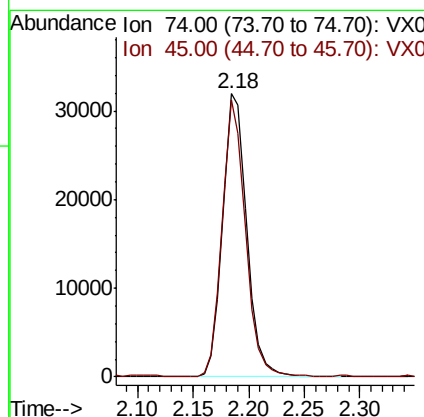
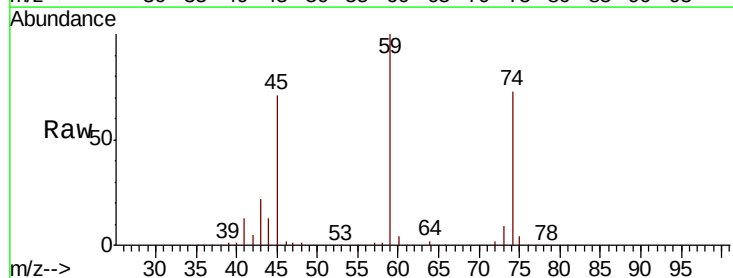
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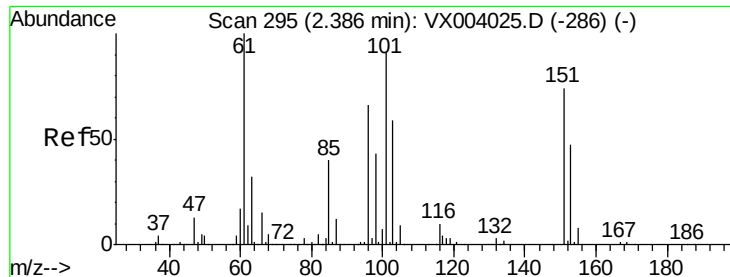


#8

Diethyl Ether
 Concen: 21.36 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.34 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

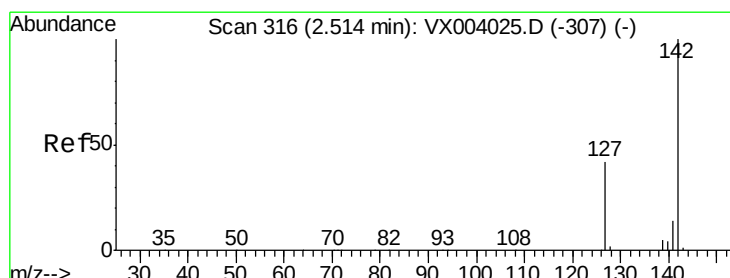
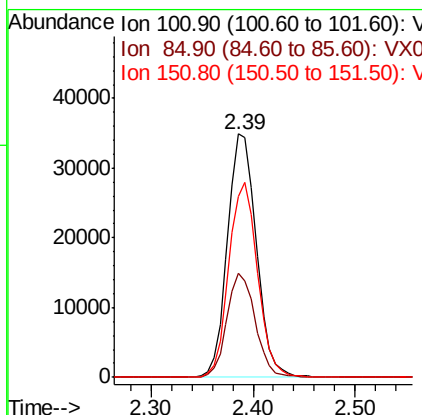
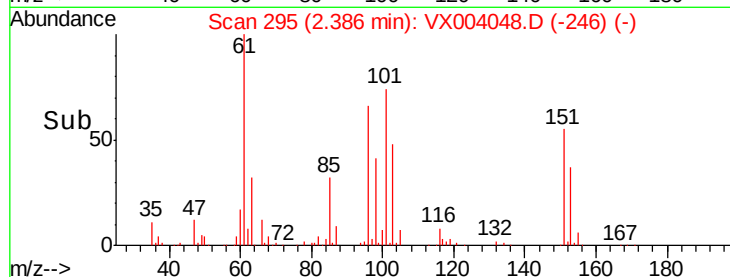
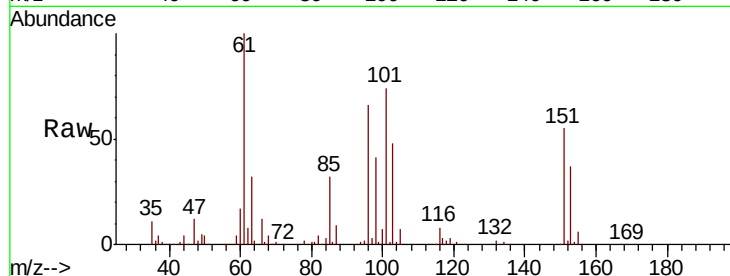
ClientSampleId :

VX0814WBS02

Tot Ion:	101	Resp:	68400
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	79.6	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.59 ug/l

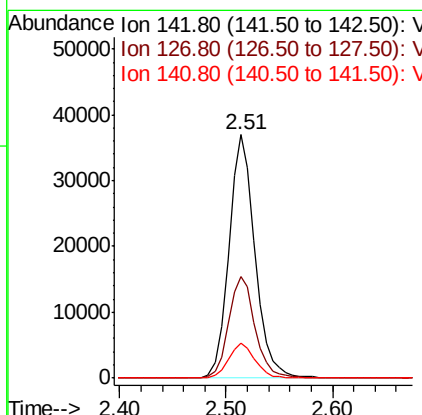
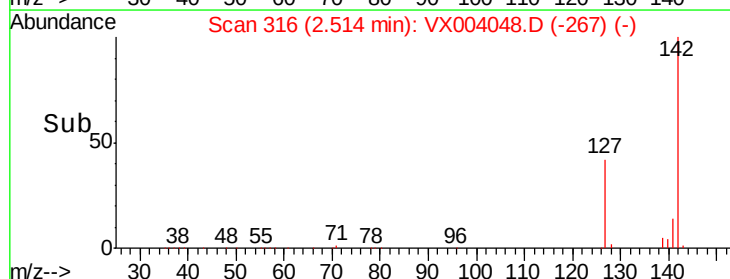
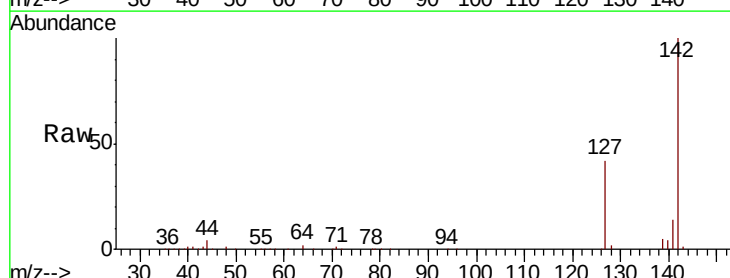
RT: 2.51 min Scan# 316

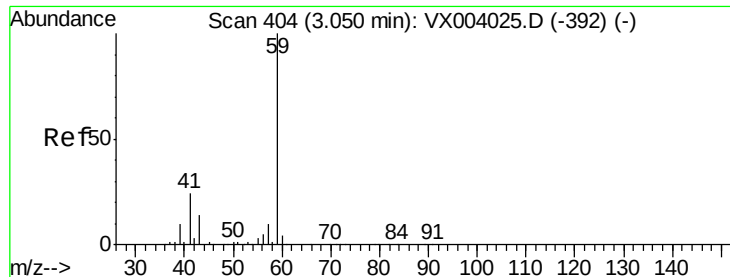
Delta R.T. 0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion:	142	Resp:	63086
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.1	49.7
141	14.4	11.1	16.7





#11

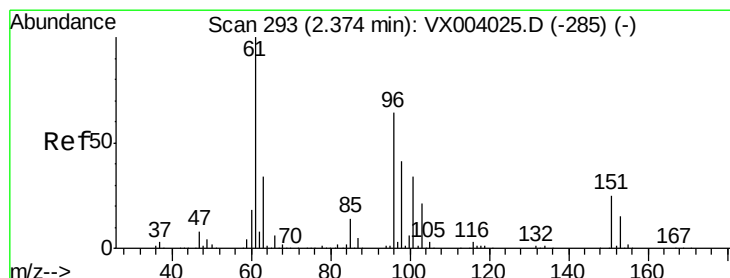
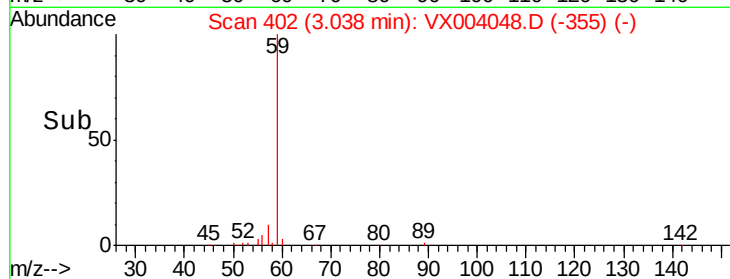
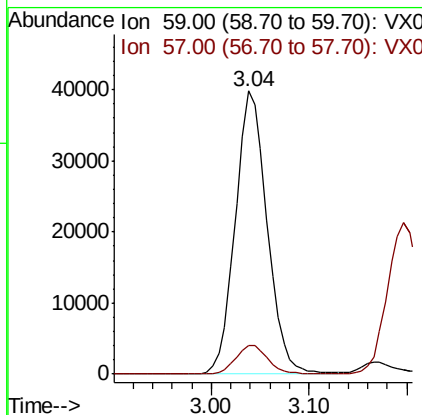
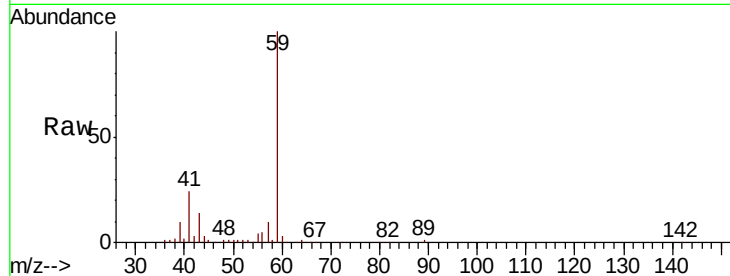
Tert butyl alcohol
 Concen: 112.35 ug/l
 RT: 3.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampled :
 VX0814WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
 APPROVED

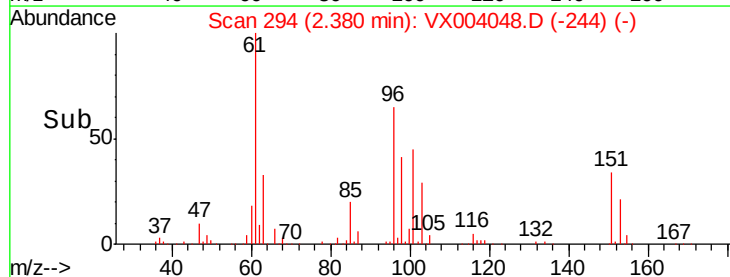
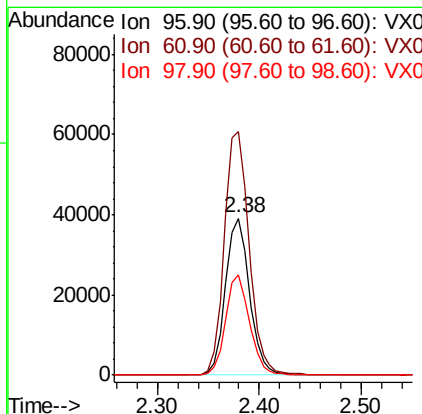
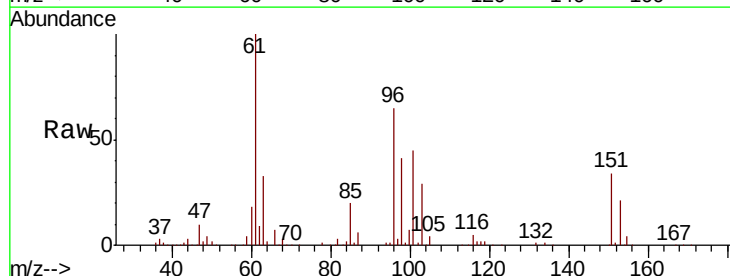
MMDadoda
 8/15/2018 4:49:56 PM

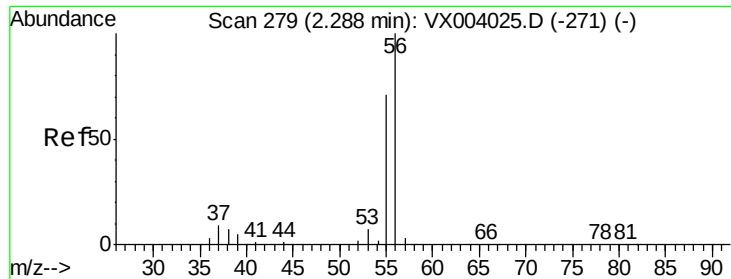


#12

1,1-Dichloroethene
 Concen: 21.49 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	131.3	196.9
98	63.6	51.8	77.6





#13

Acrolein

Concen: 110.57 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 56 Resp: 56830

Ion Ratio Lower Upper

56 100

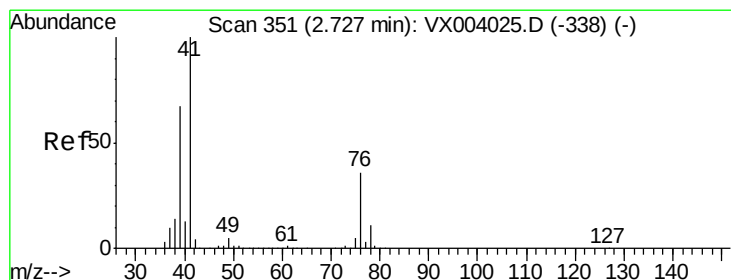
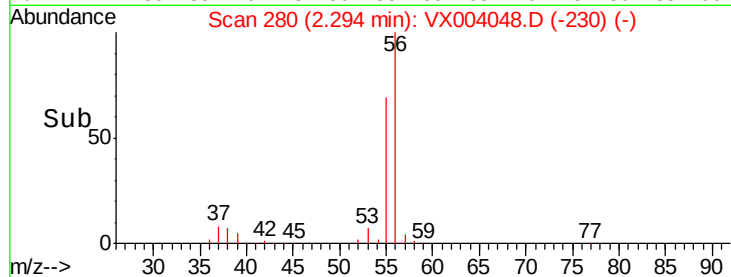
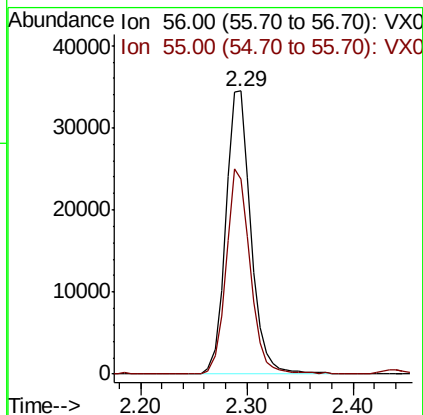
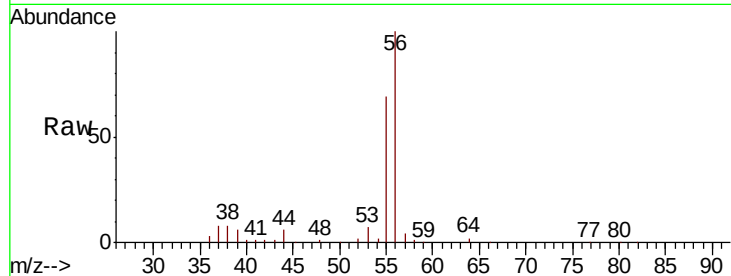
55 69.6 56.1 84.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 20.34 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

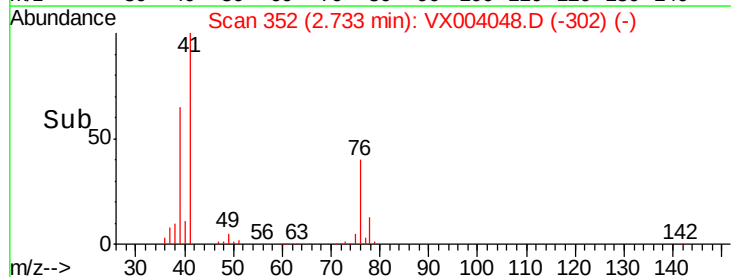
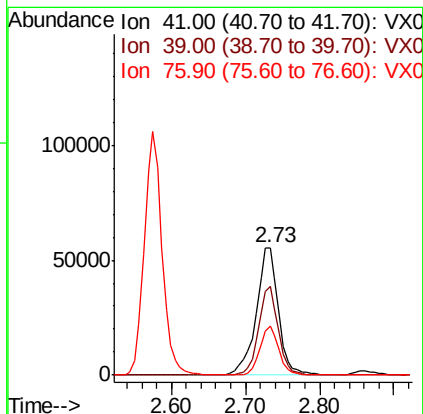
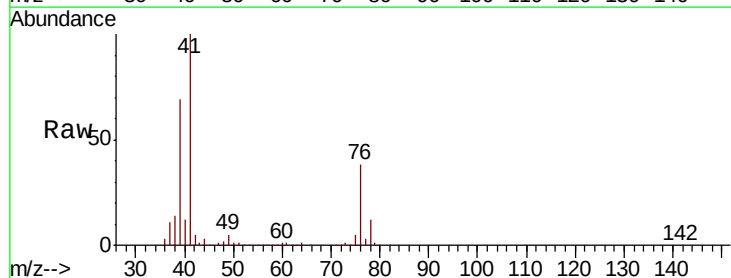
Tgt Ion: 41 Resp: 115361

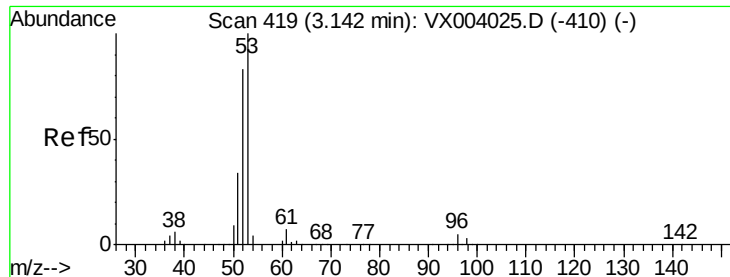
Ion Ratio Lower Upper

41 100

39 62.2 47.4 71.0

76 33.0 26.0 39.0





#15

Acrylonitrile

Concen: 110.04 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

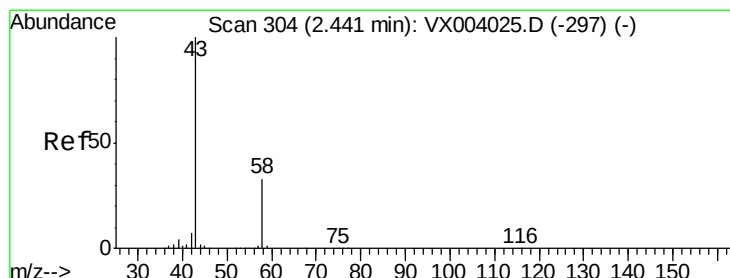
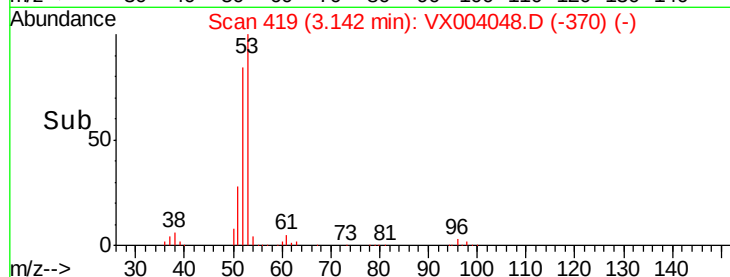
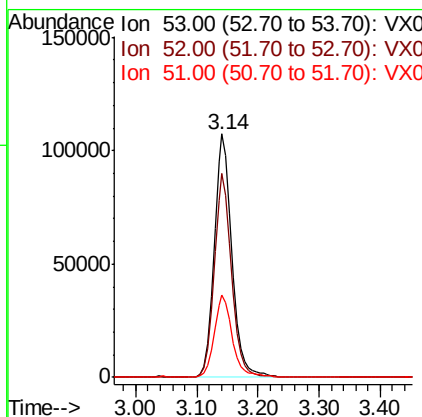
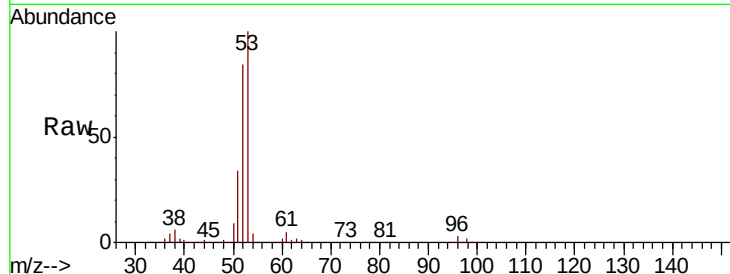
ClientSampled :

VX0814WBS02

Tot Ion:	53	Resp:	220584
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	34.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 109.06 ug/l

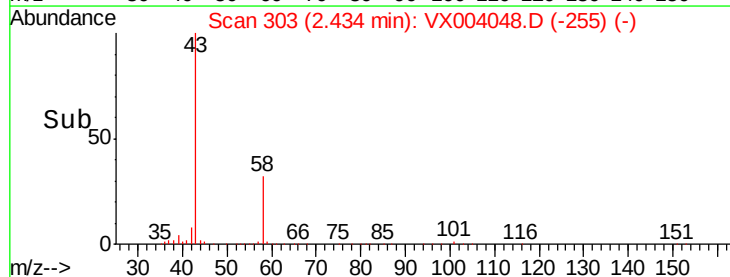
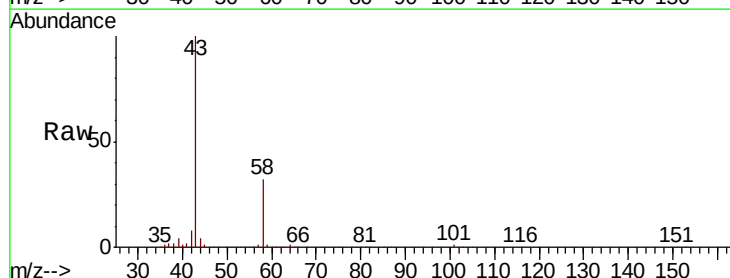
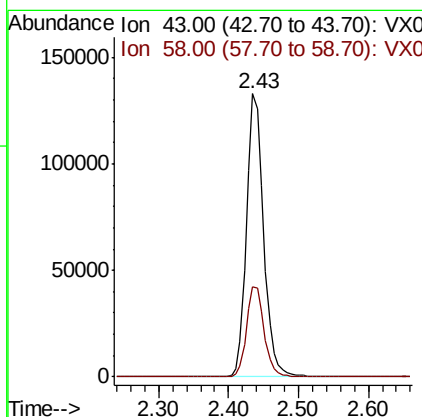
RT: 2.43 min Scan# 303

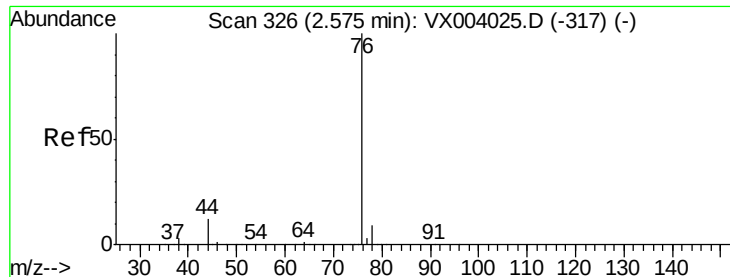
Delta R.T. -0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion:	43	Resp:	226386
Ion Ratio	Lower	Upper	
43	100		
58	32.0	26.4	39.6





#17

Carbon Disulfide

Concen: 20.81 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 76 Resp: 175906

Ion Ratio Lower Upper

76 100

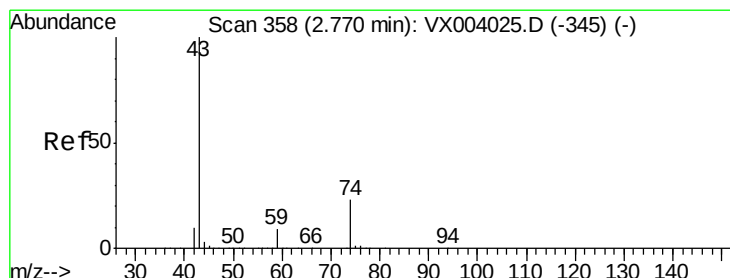
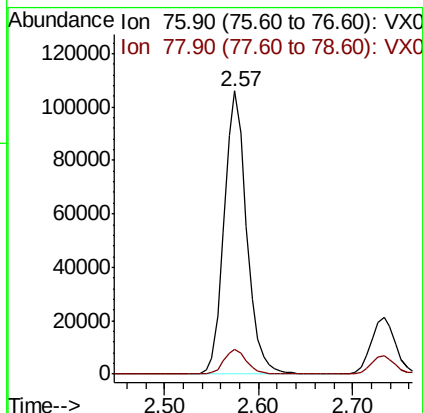
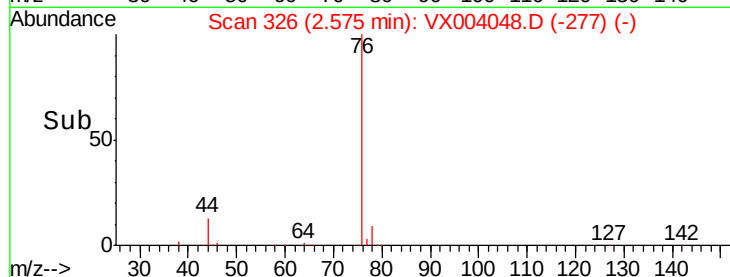
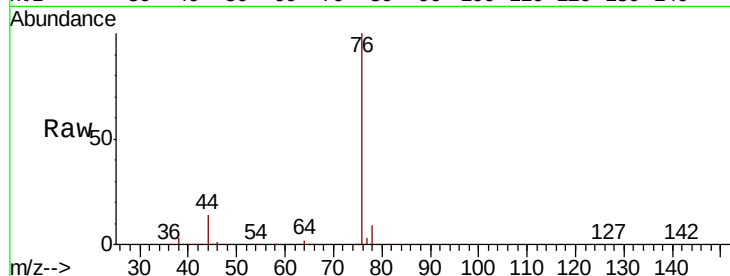
78 8.9 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 21.60 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004048.D

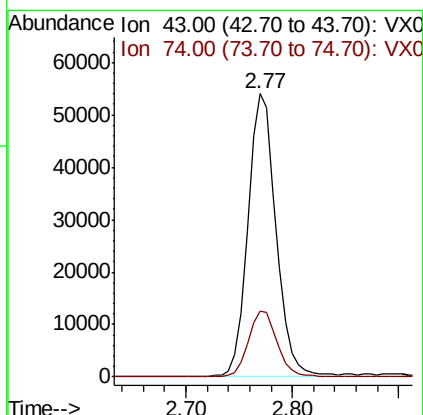
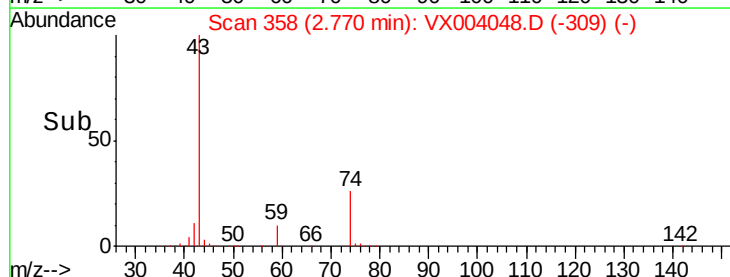
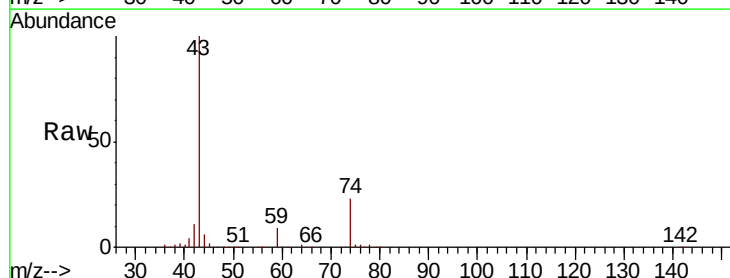
Acq: 15 Aug 2018 00:48

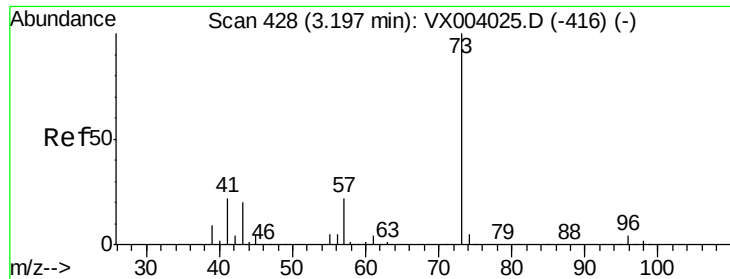
Tgt Ion: 43 Resp: 99623

Ion Ratio Lower Upper

43 100

74 24.2 18.9 28.3





#19

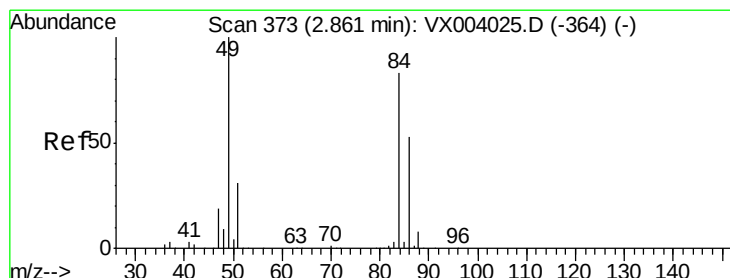
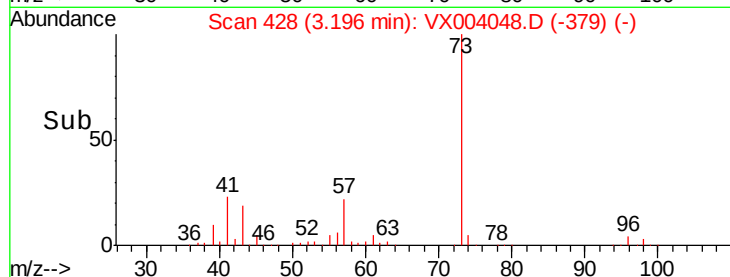
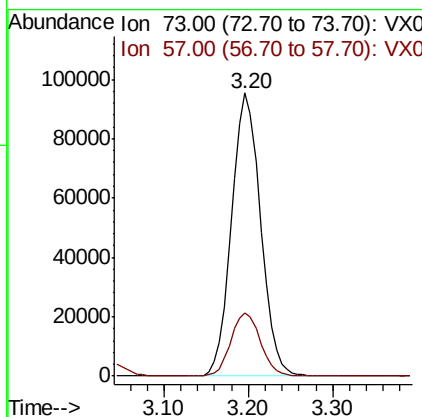
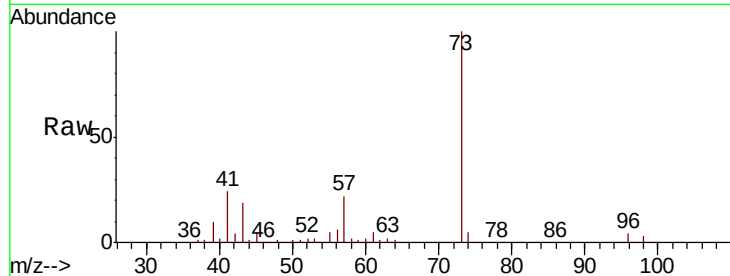
Methyl tert-butyl Ether
 Concen: 21.16 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0814WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.0	27.0

Manual Integrations
 APPROVED

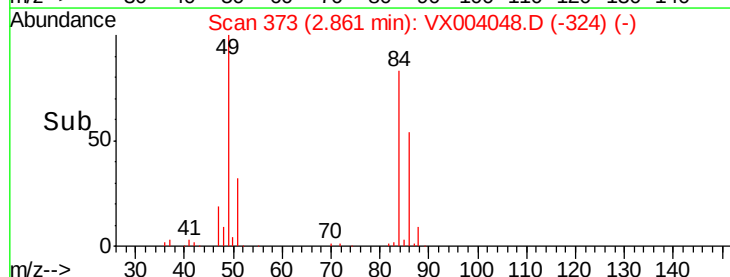
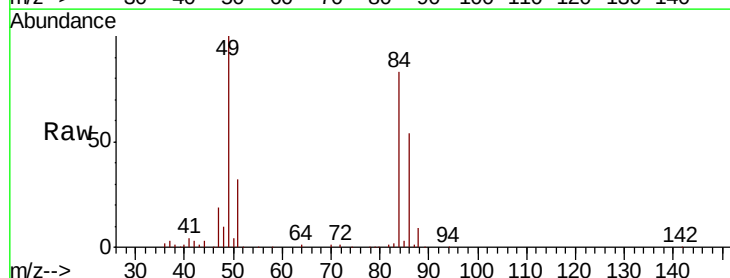
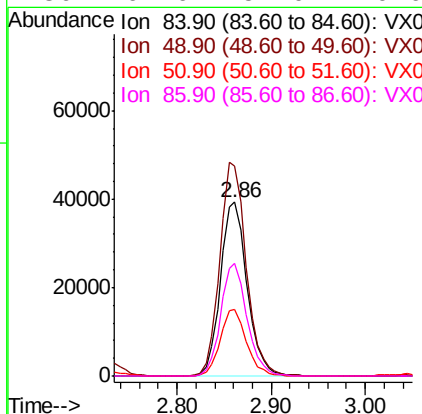
MMDadoda
 8/15/2018 4:49:56 PM

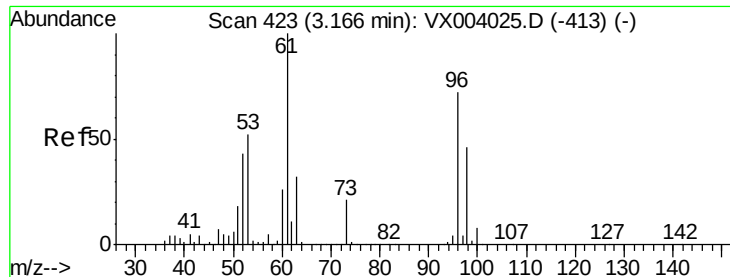


#20

Methylene Chloride
 Concen: 22.45 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	98.9	148.3
51	38.2	29.9	44.9
86	64.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.82 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 96 Resp: 70498

Ion Ratio Lower Upper

96 100

61 143.5 111.8 167.6

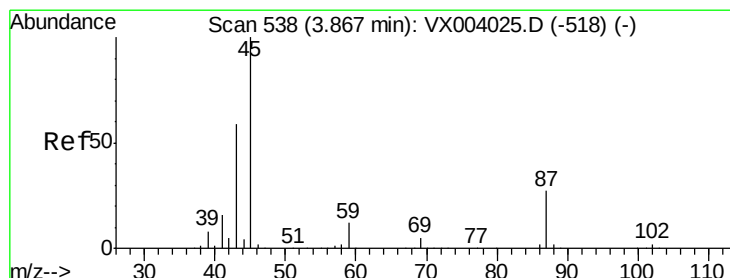
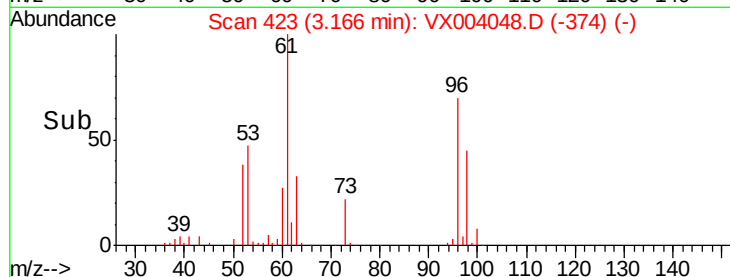
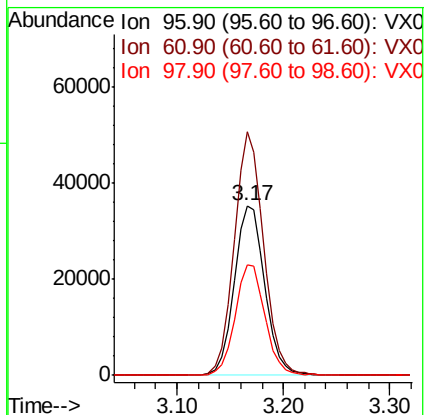
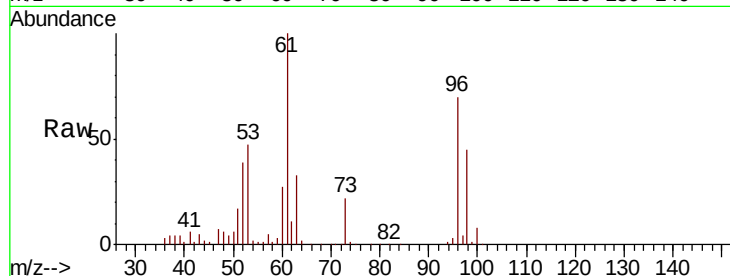
98 65.3 51.8 77.6

Manual Integrations

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8/15/2018 4:49:56 PM



#22

Diisopropyl ether

Concen: 21.13 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion: 45 Resp: 234847

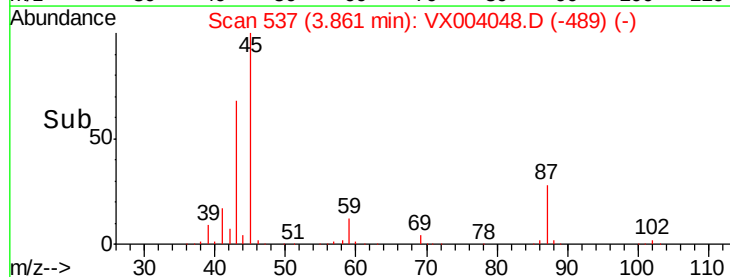
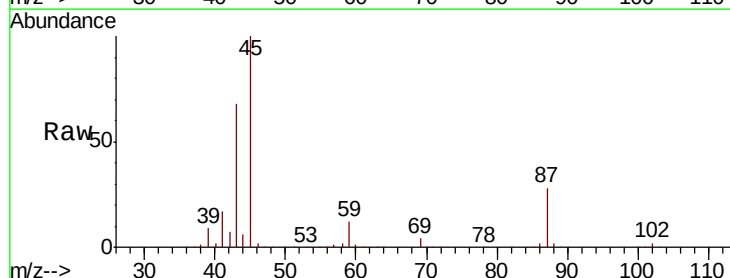
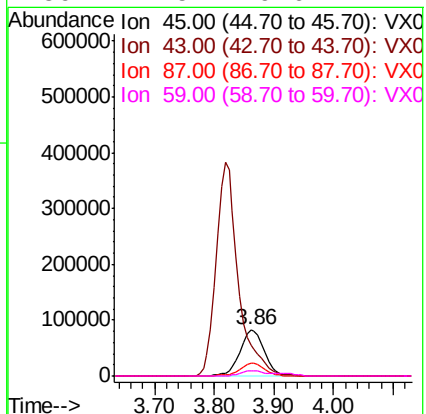
Ion Ratio Lower Upper

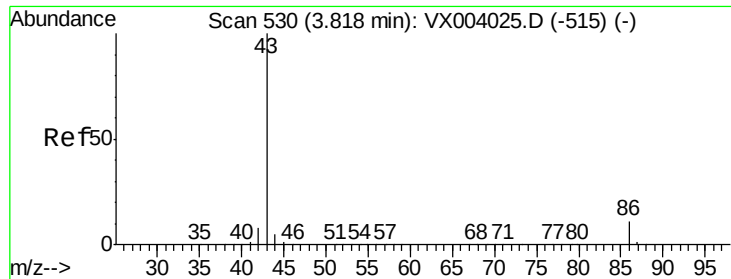
45 100

43 67.6 45.3 67.9

87 27.8 22.7 34.1

59 11.5 9.6 14.4





#23

Vinyl Acetate

Concen: 108.58 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 43 Resp: 991208

Ion Ratio Lower Upper

43 100

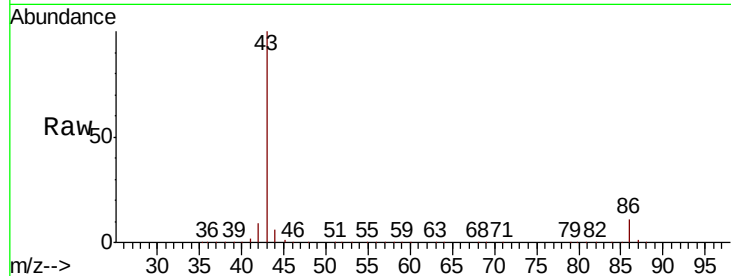
86 11.0 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

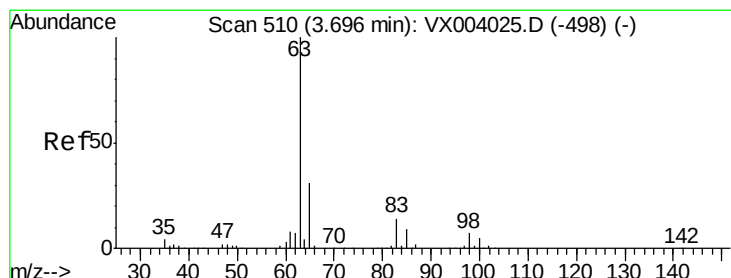
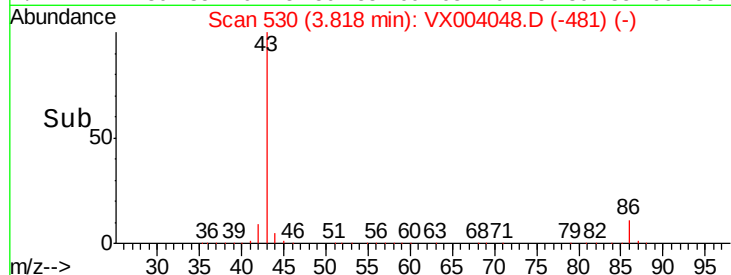
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.42 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

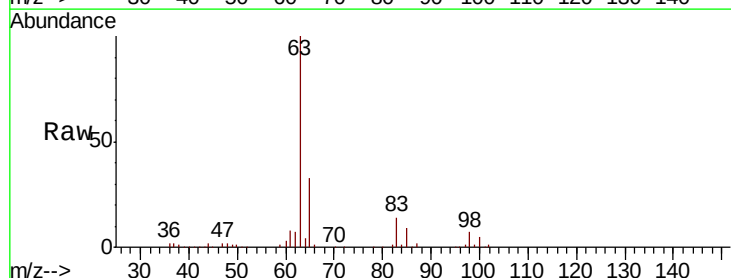
Tgt Ion: 63 Resp: 134830

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

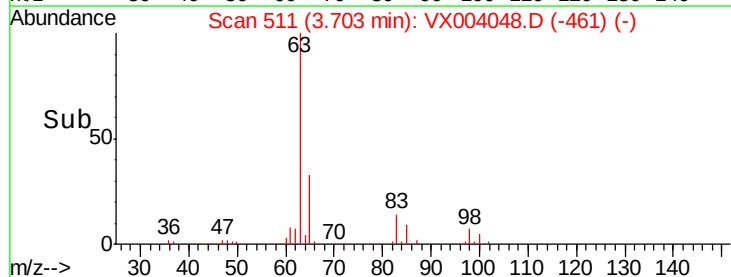
60000

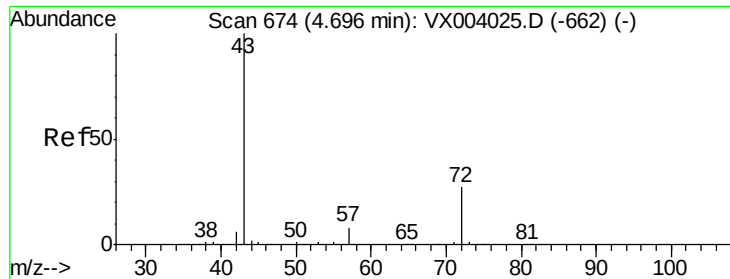
40000

20000

0

Time-->





#25

2-Butanone

Concen: 109.87 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 43 Resp: 371071

Ion Ratio Lower Upper

43 100

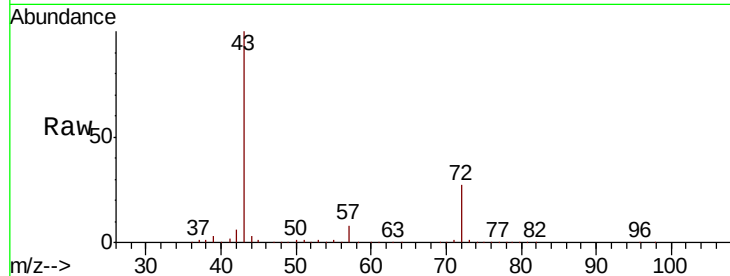
72 26.8 21.4 32.0

Manual Integrations

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8/15/2018 4:49:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

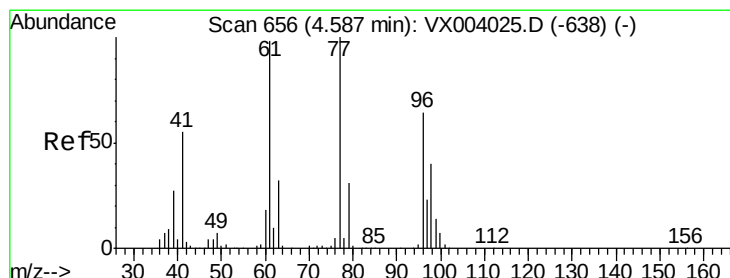
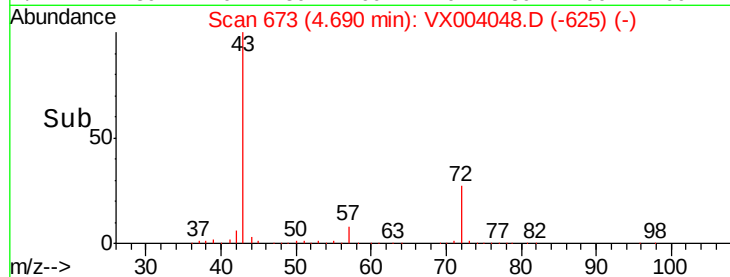
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 15.60 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004048.D

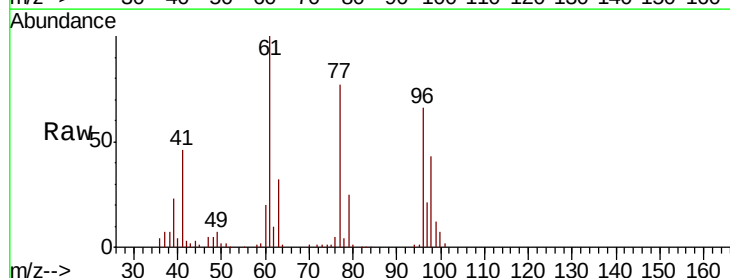
Acq: 15 Aug 2018 00:48

Tgt Ion: 77 Resp: 78098

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

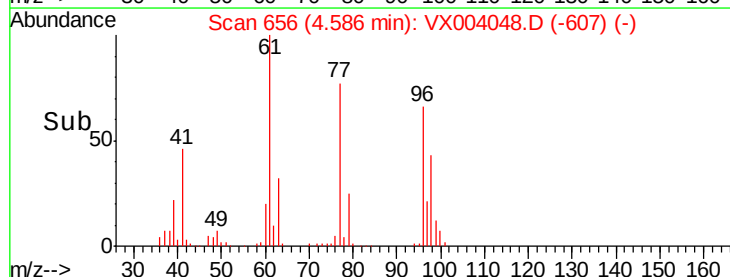
10000

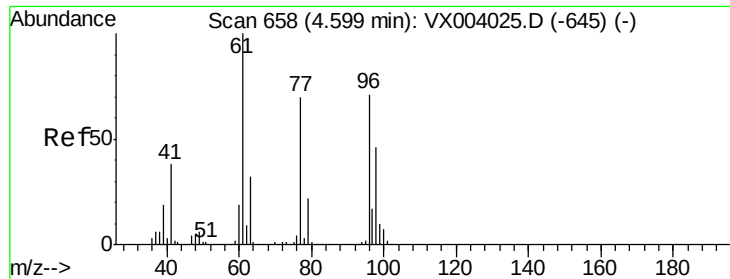
5000

0

4.50 4.60 4.70

Time-->





#27

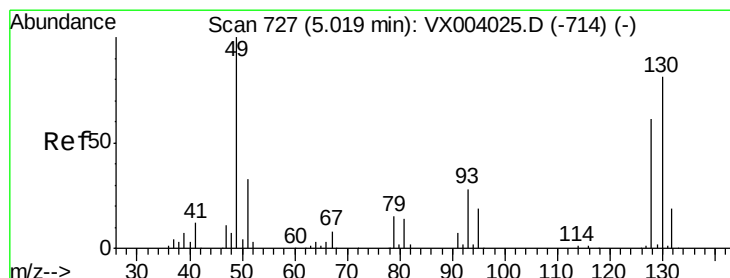
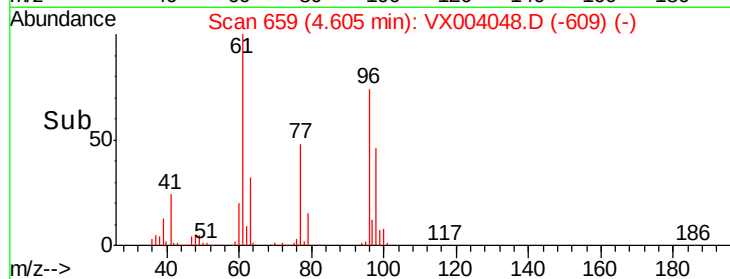
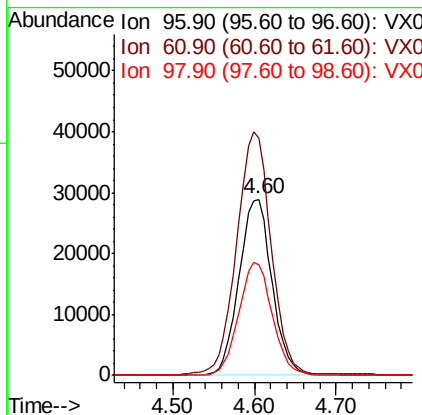
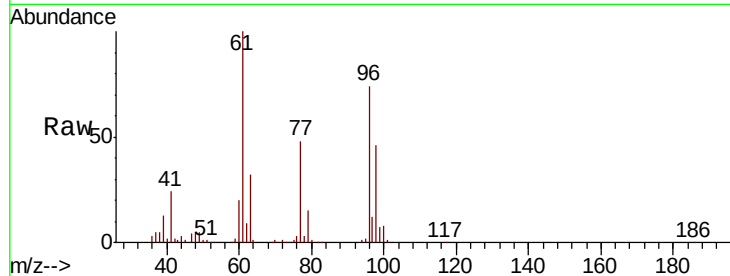
cis-1,2-Dichloroethene
Concen: 21.28 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	293.0
98	65.0	0.0	131.8

Manual Integrations
APPROVED

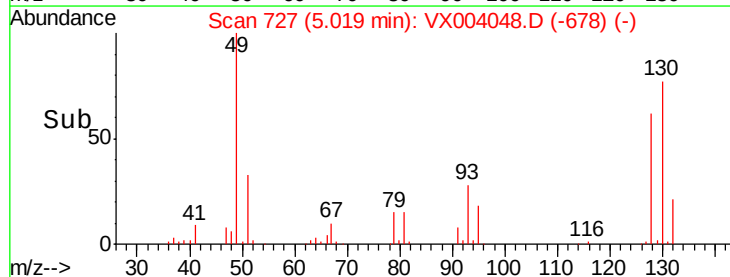
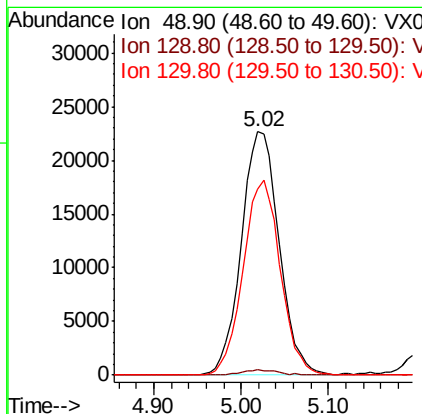
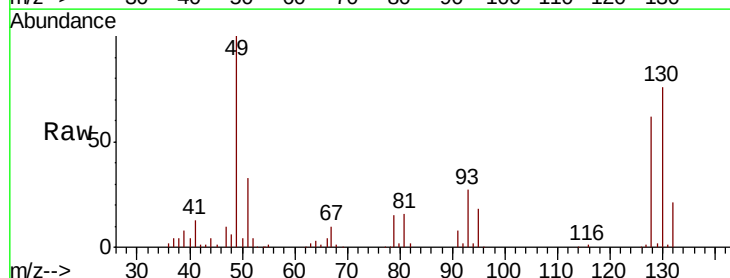
MMDadoda
8/15/2018 4:49:56 PM

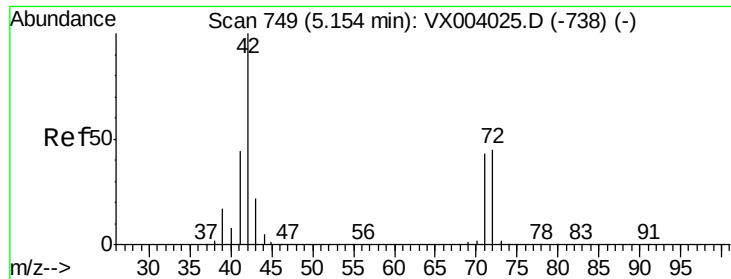


#28

Bromochloromethane
Concen: 23.64 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	78.6	66.5	99.7





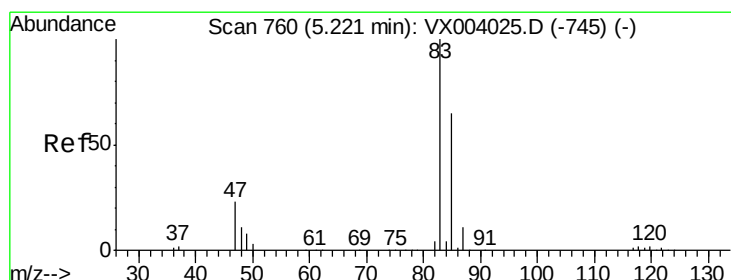
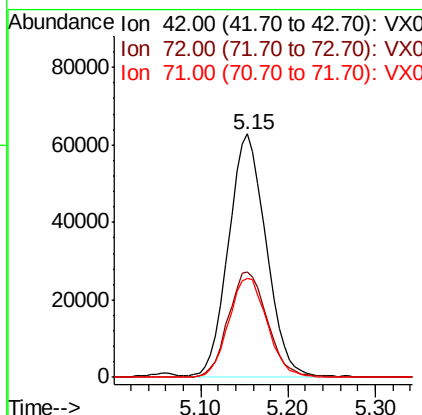
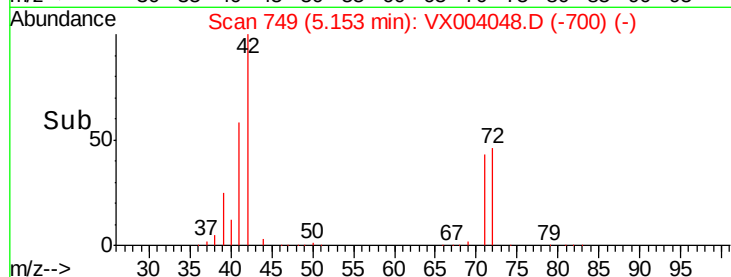
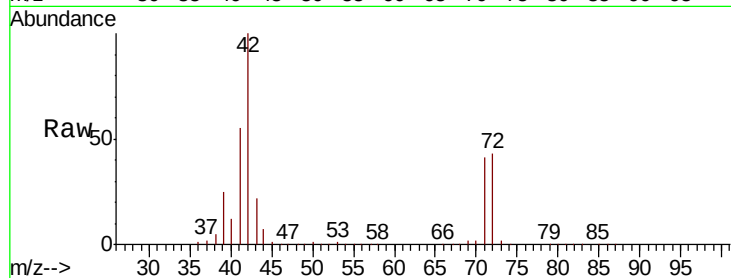
#29
Tetrahydrofuran
Concen: 108.25 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.7	56.5
71	42.1	35.0	52.6

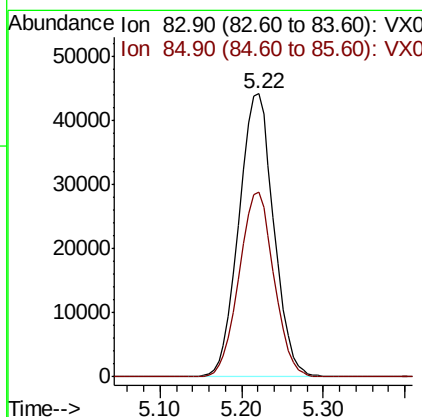
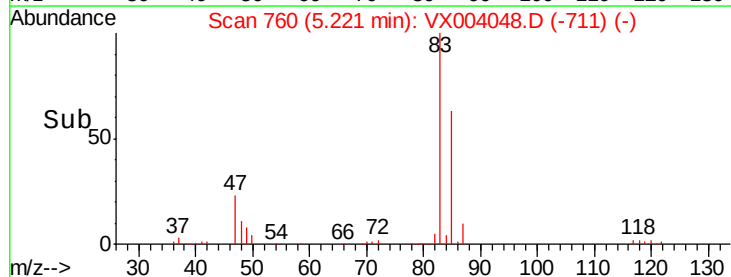
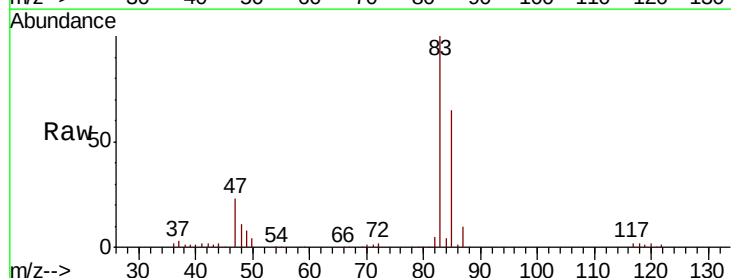
Manual Integrations
APPROVED

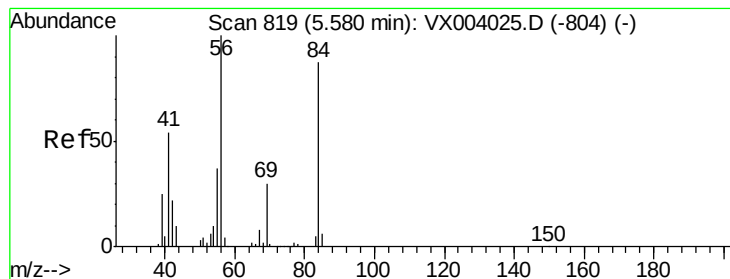
MMDadoda
8/15/2018 4:49:56 PM



#30
Chloroform
Concen: 21.41 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.7	76.1





#31

Cyclohexane

Concen: 21.01 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 56 Resp: 115930

Ion Ratio Lower Upper

56 100

69 27.3 24.9 37.3

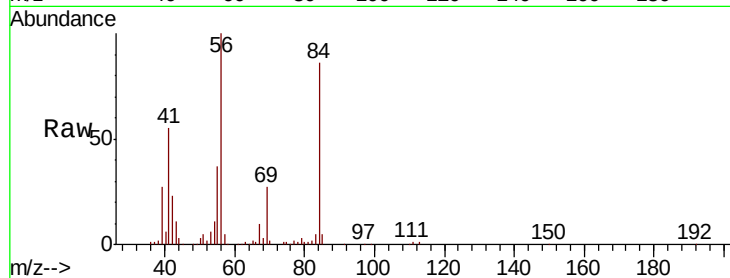
84 84.8 71.7 107.5

Manual Integrations

APPROVED

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8/15/2018 4:49:56 PM

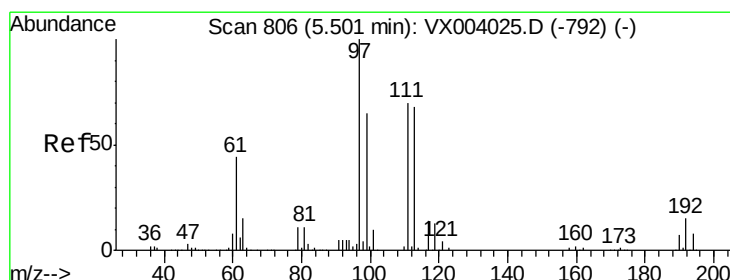
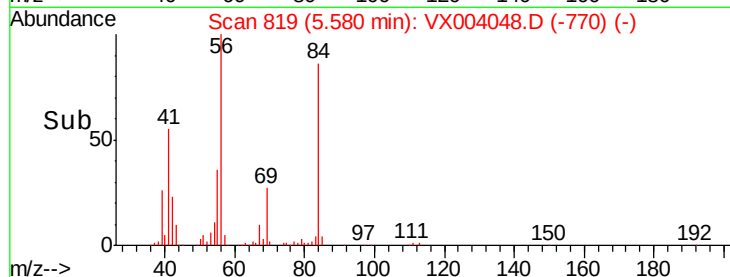
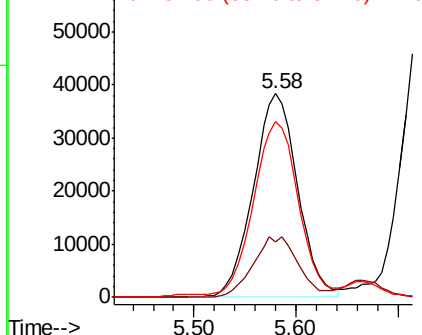


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.52 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

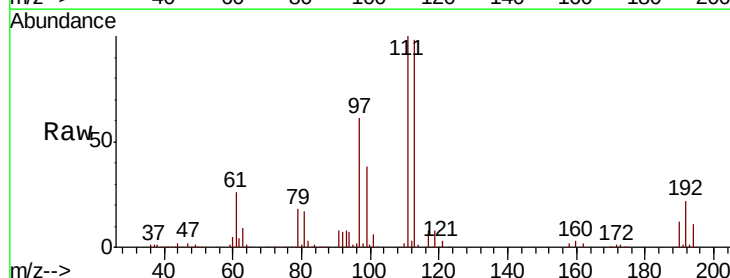
Tgt Ion: 97 Resp: 110466

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 45.1 34.4 51.6

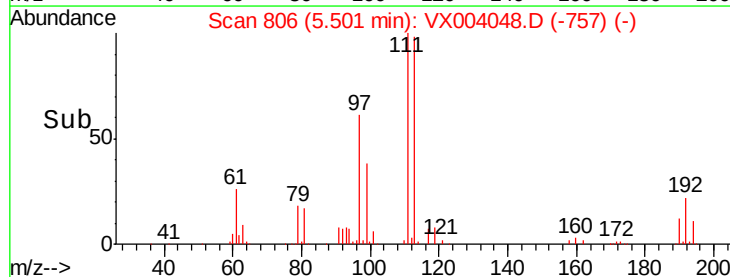
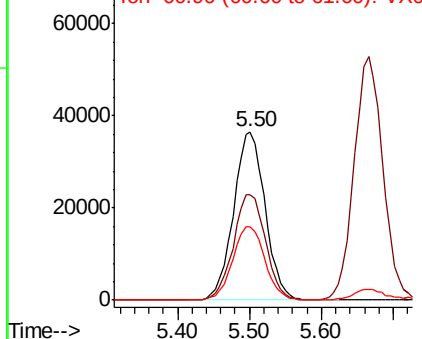


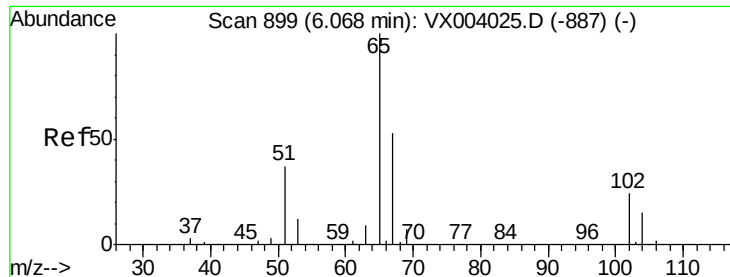
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





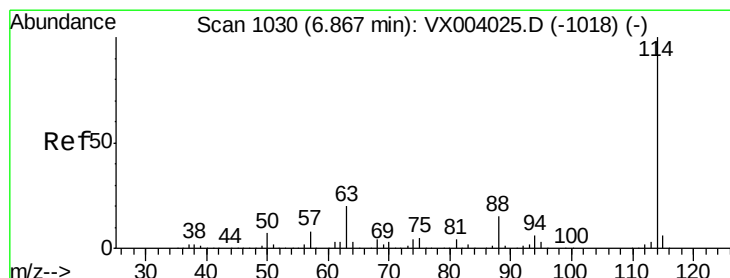
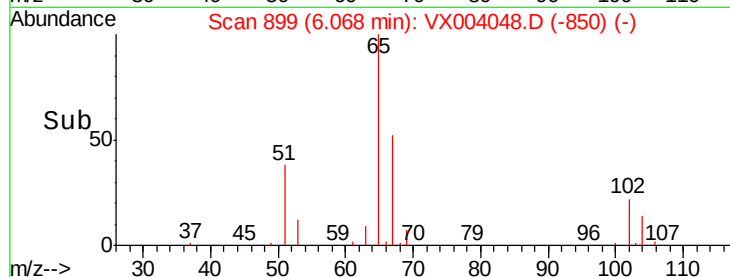
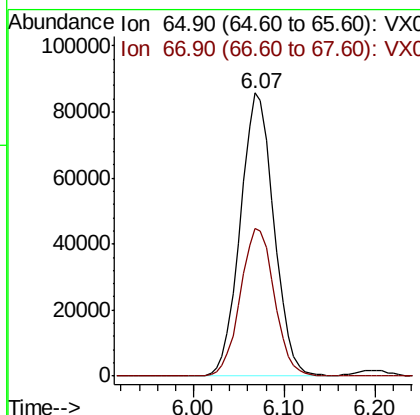
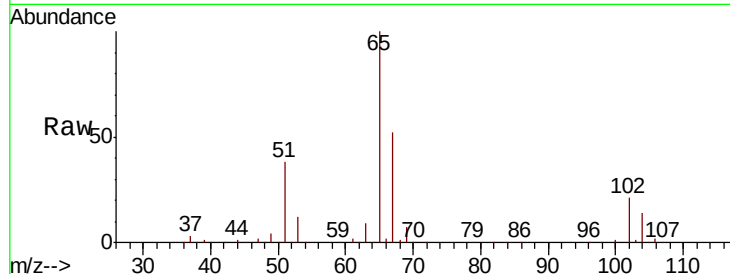
#33
 1,2-Dichloroethane-d4
 Concen: 55.12 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8

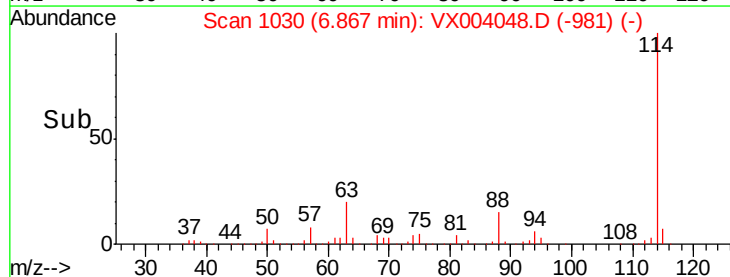
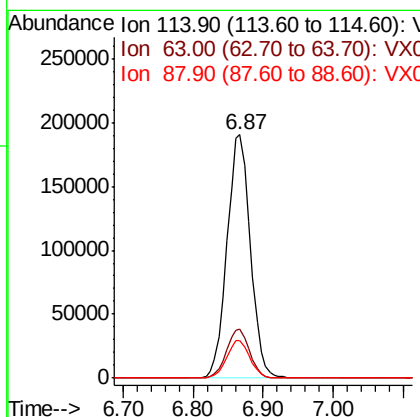
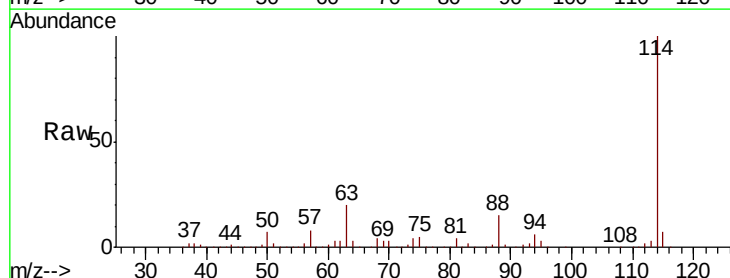
Manual Integrations
 APPROVED

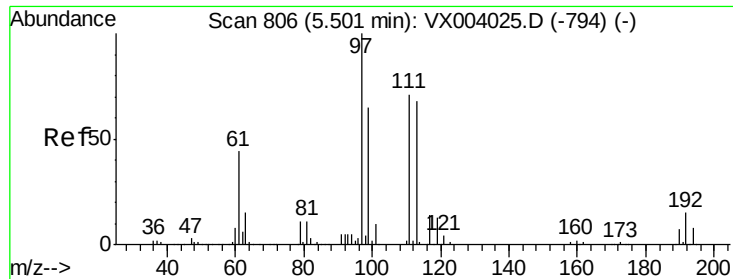
MMDadoda
 8/15/2018 4:49:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	15.2	0.0	32.0





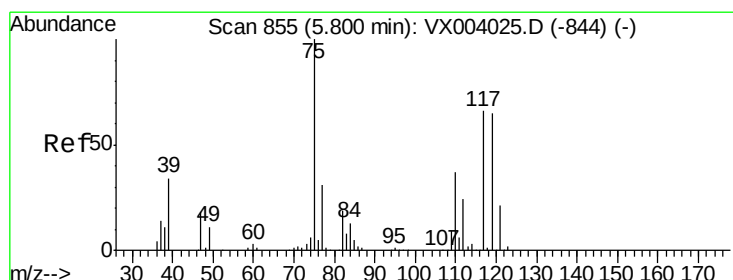
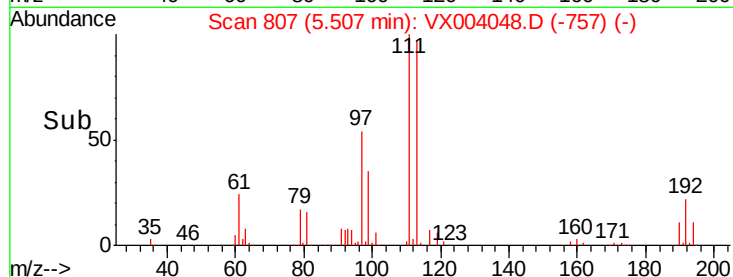
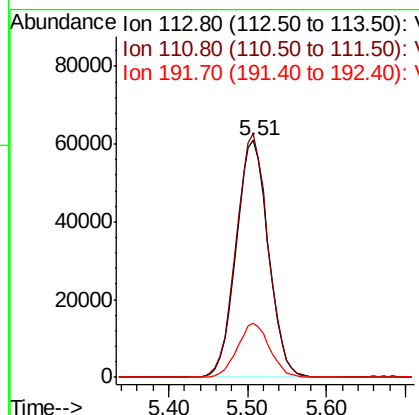
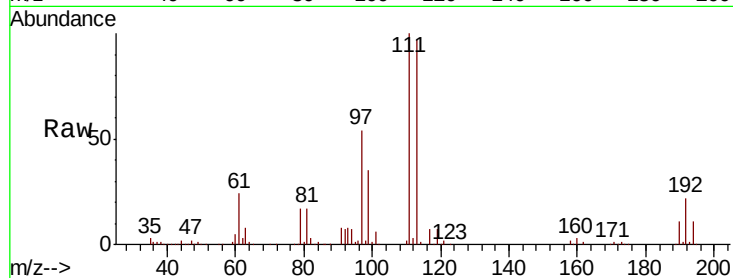
#35
 Dibromofluoromethane
 Concen: 52.23 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173001		
111	102.1	82.0	123.0	
192	22.7	19.0	28.4	

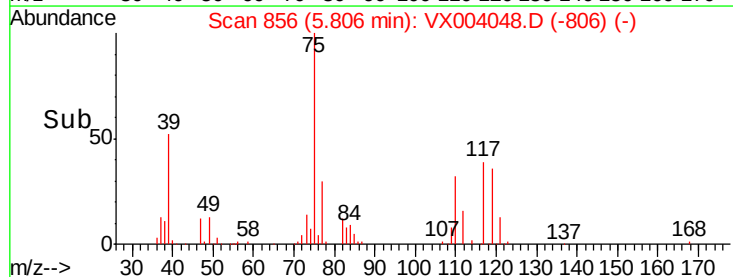
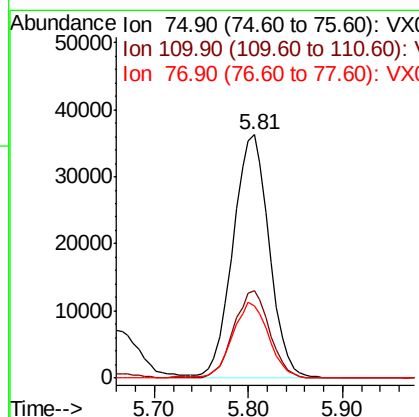
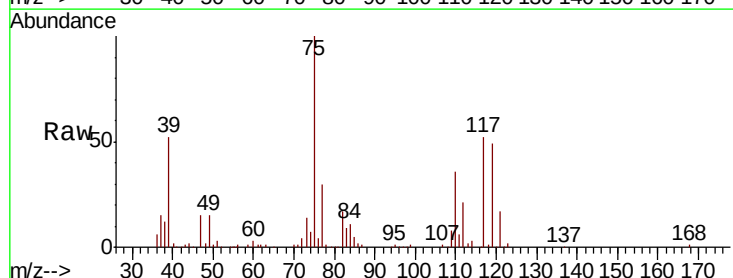
Manual Integrations
 APPROVED

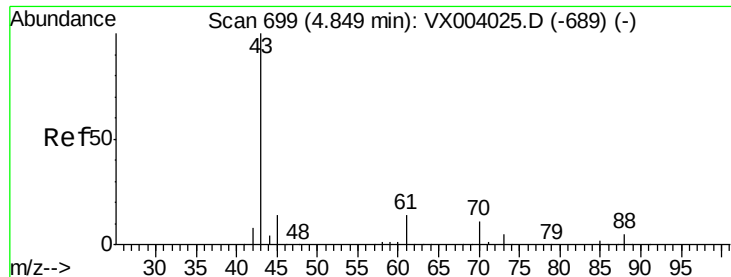
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.24 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96894		
110	35.7	18.2	54.6	
77	31.2	25.0	37.4	





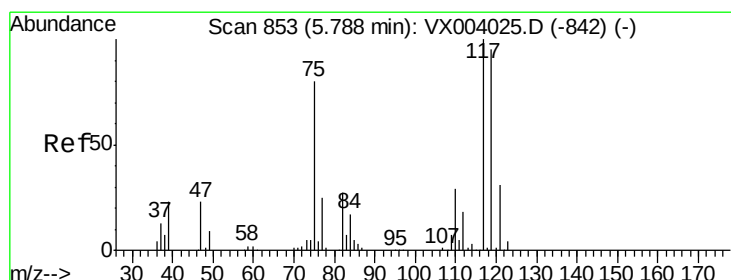
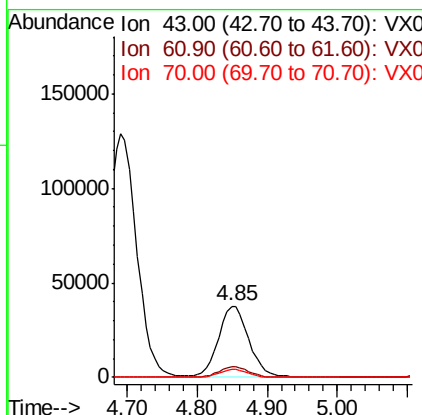
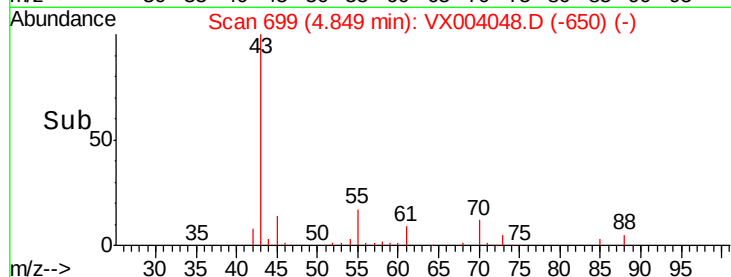
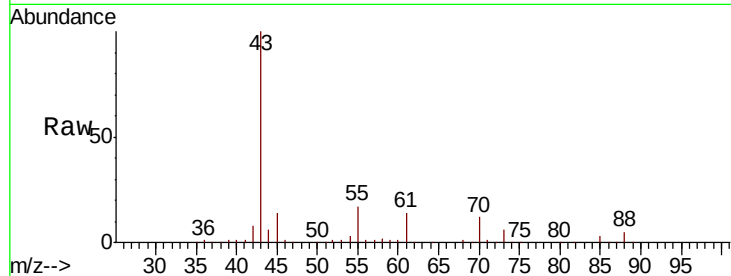
#37
Ethyl Acetate
Concen: 20.62 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion:	43	Resp:	113115
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.0	9.0	13.4

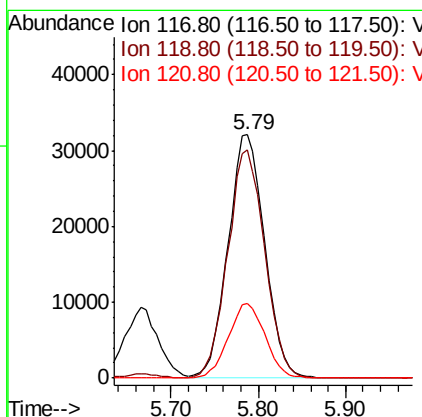
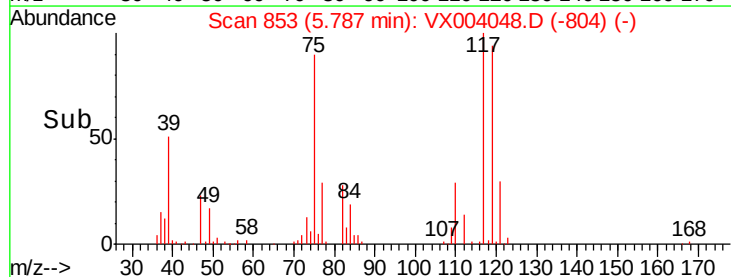
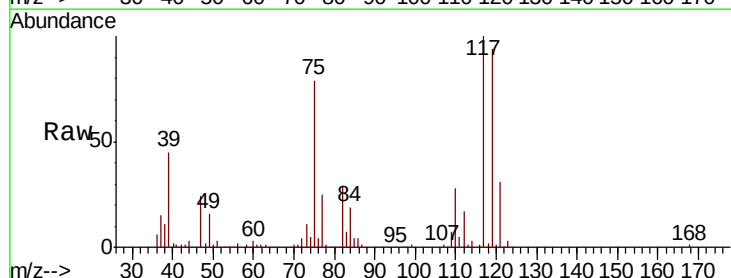
Manual Integrations
APPROVED

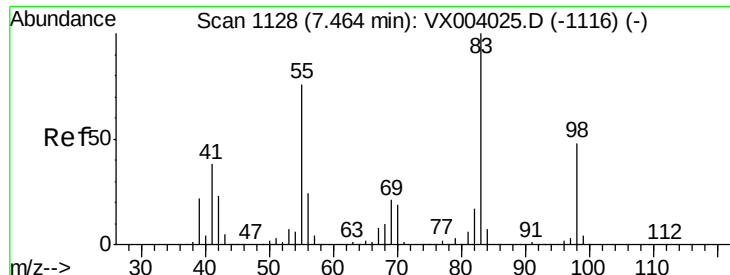
MMDadoda
8/15/2018 4:49:56 PM



#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion:	117	Resp:	93400
Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.5	119.3
121	30.6	25.0	37.4





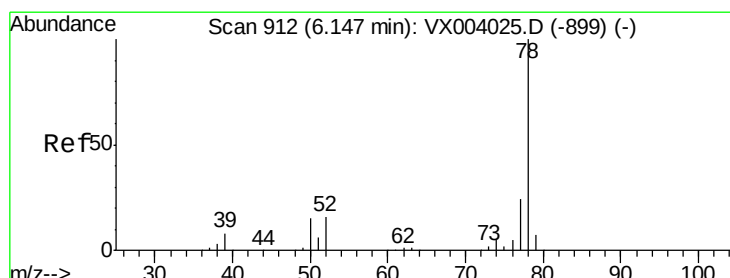
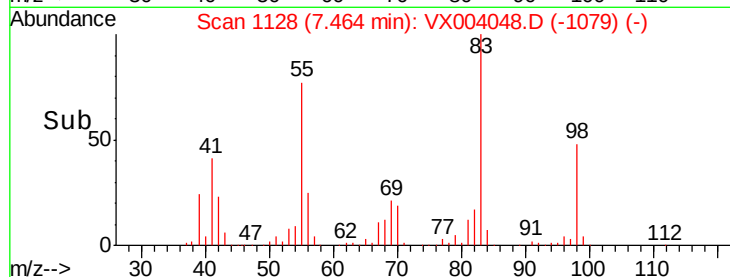
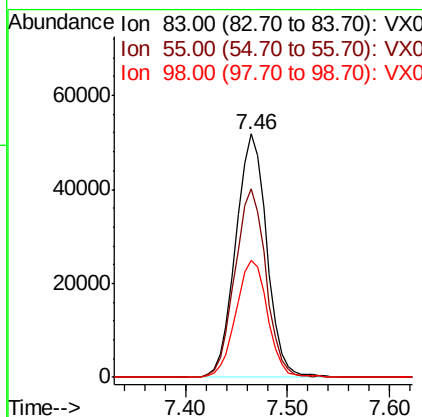
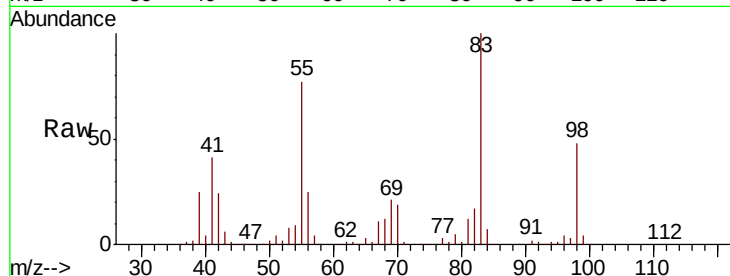
#39
Methylvlcyclohexane
Concen: 19.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.0	91.6
98	48.1	38.6	57.8

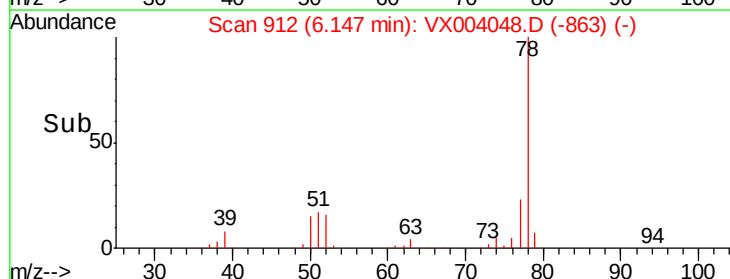
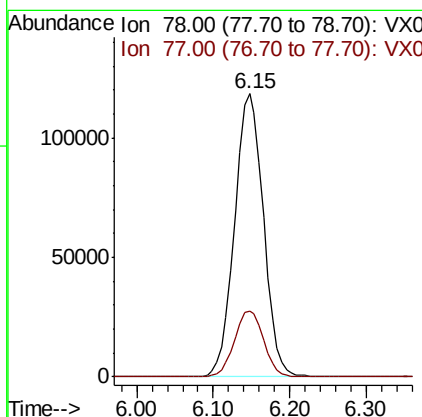
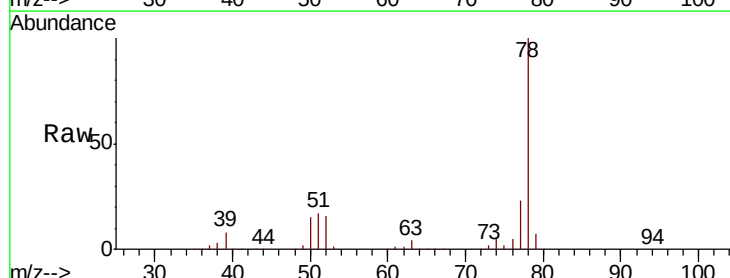
Manual Integrations
APPROVED

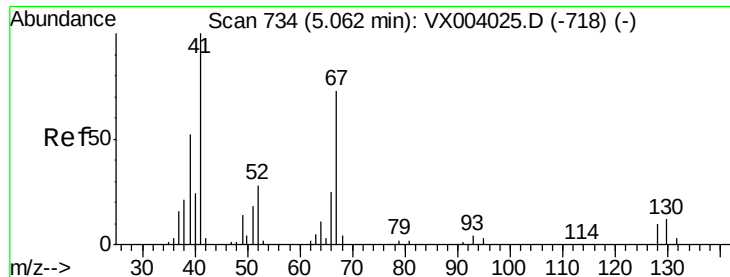
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#40
Benzene
Concen: 20.48 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





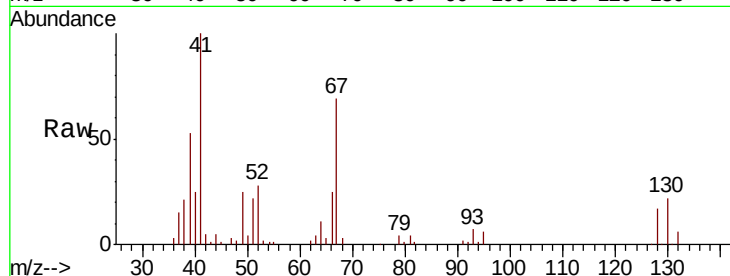
#41
Methacrylonitrile
Concen: 20.14 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.7	64.1
67	73.0	58.9	88.3
52	30.0	22.6	33.8

Manual Integrations
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MMDadoda
8/15/2018 4:49:56 PM



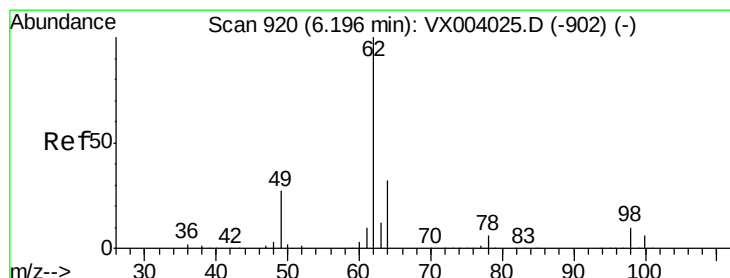
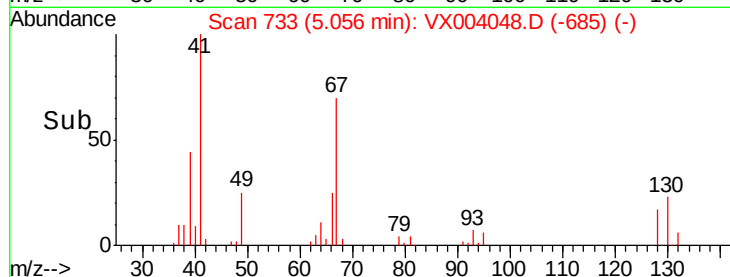
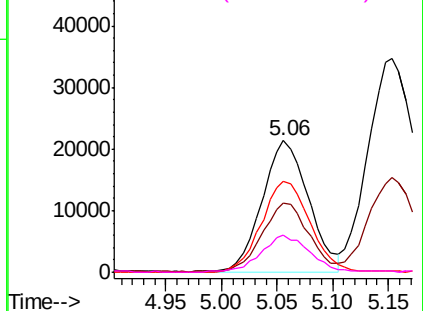
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

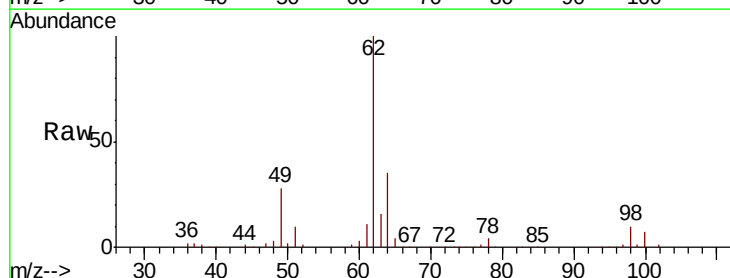
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 20.74 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

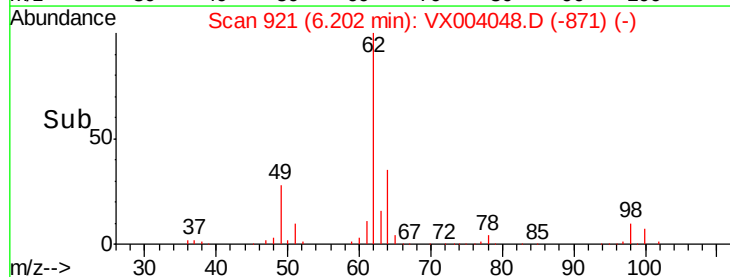
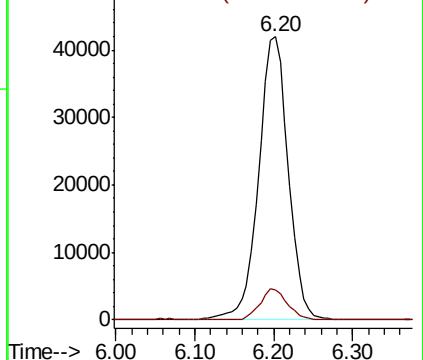
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4

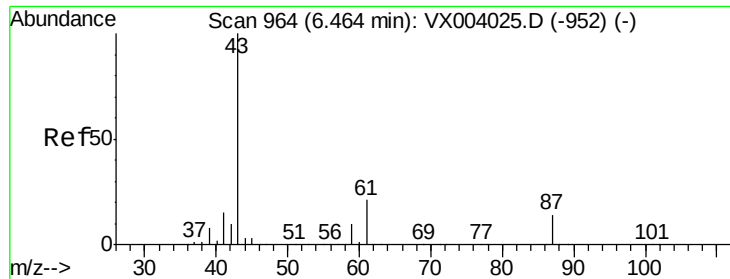


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.01 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

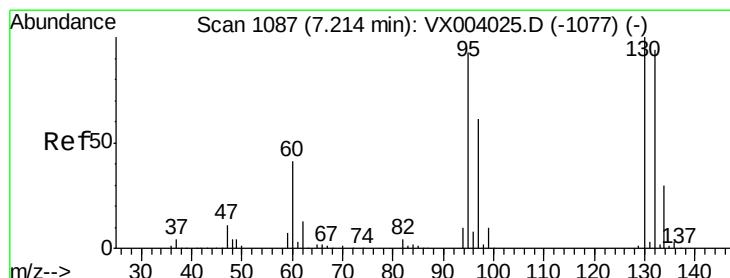
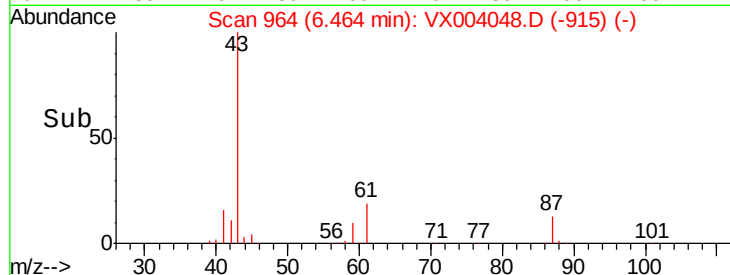
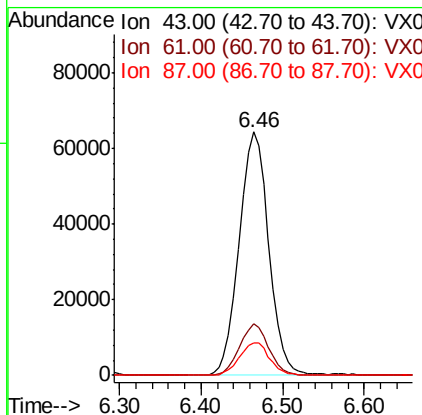
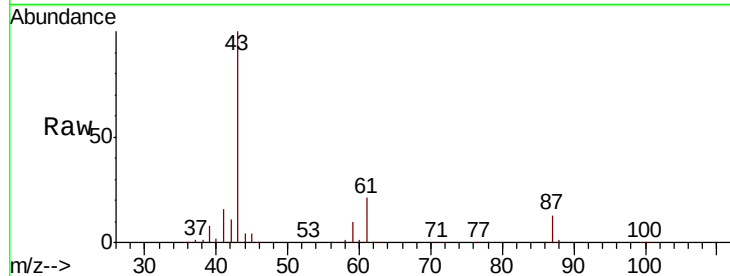
ClientSampleId :

VX0814WBS02

Tot Ion:	43	Resp:	161738
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	13.7	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.95 ug/l

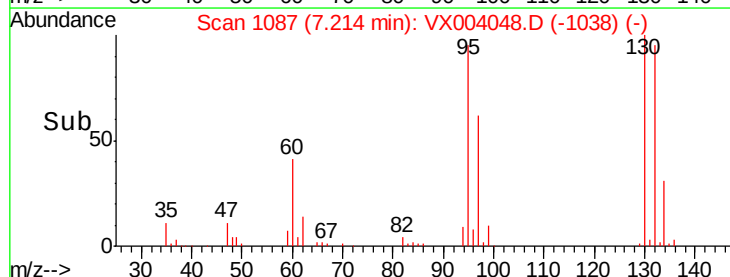
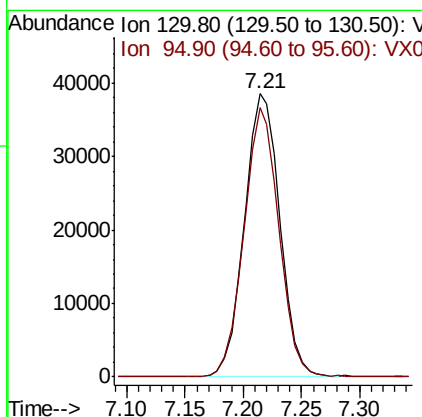
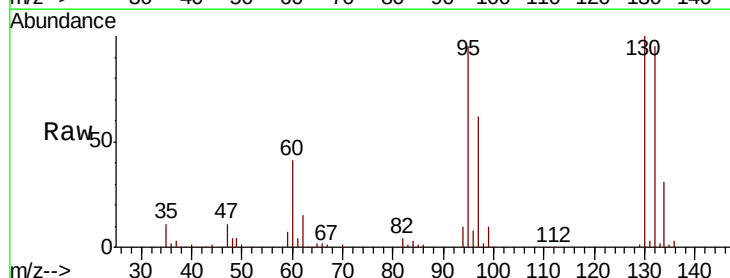
RT: 7.21 min Scan# 1087

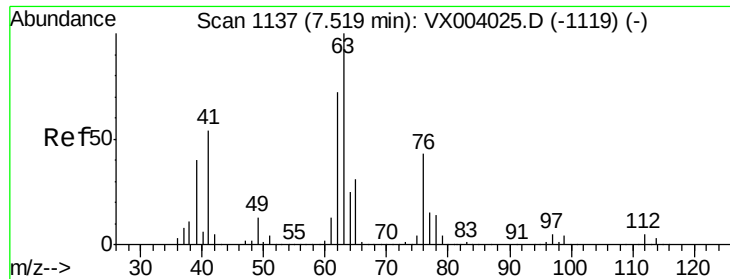
Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion:	130	Resp:	81905
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	199.4





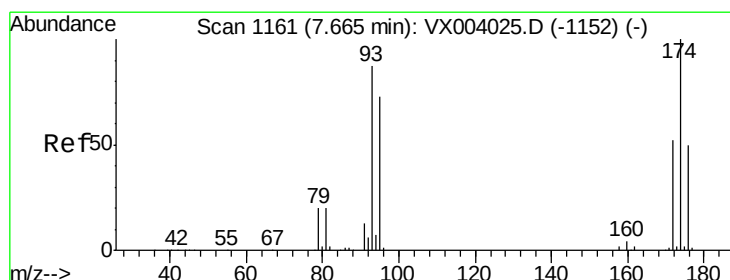
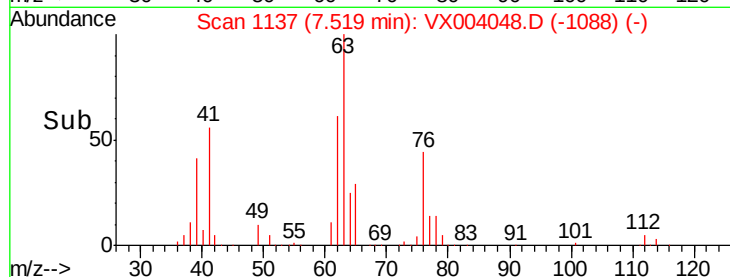
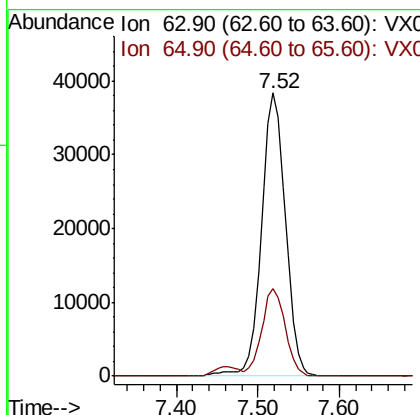
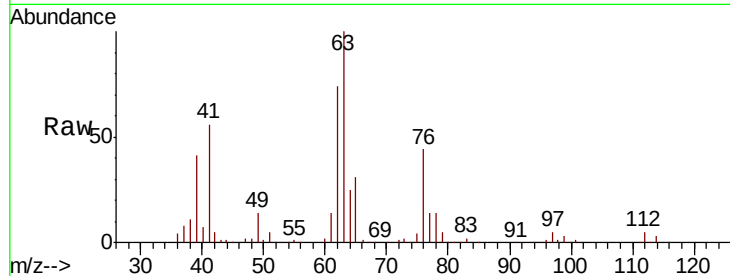
#45
 1,2-Dichloropropane
 Concen: 20.40 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

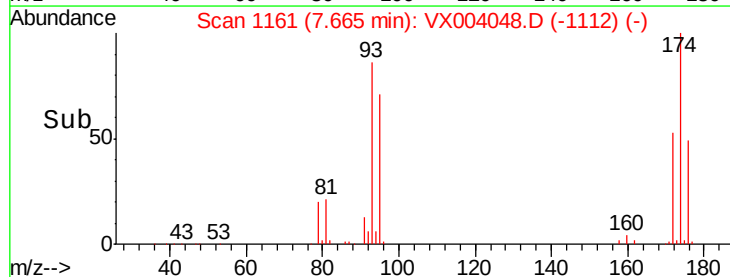
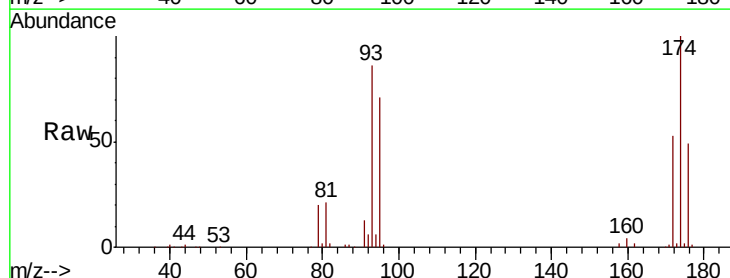
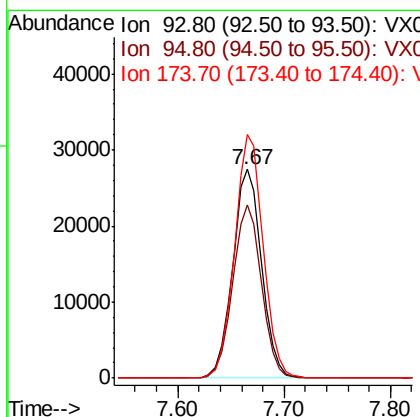
Manual Integrations
 APPROVED

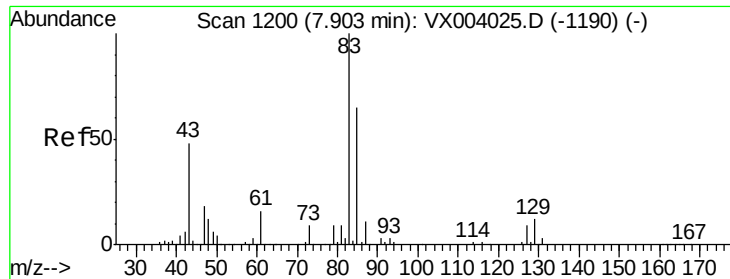
MMDadoda
 8/15/2018 4:49:56 PM



#46
 Dibromomethane
 Concen: 20.63 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.4	99.6
174	115.6	94.3	141.5





#47

Bromodichloromethane

Concen: 20.16 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

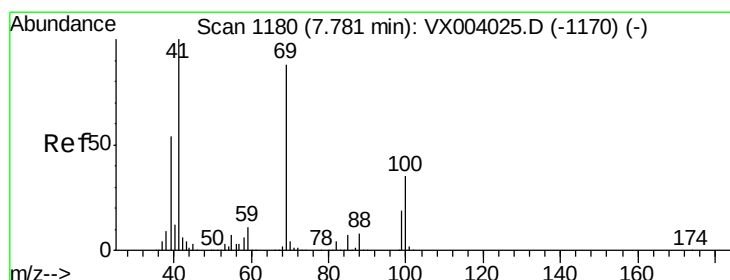
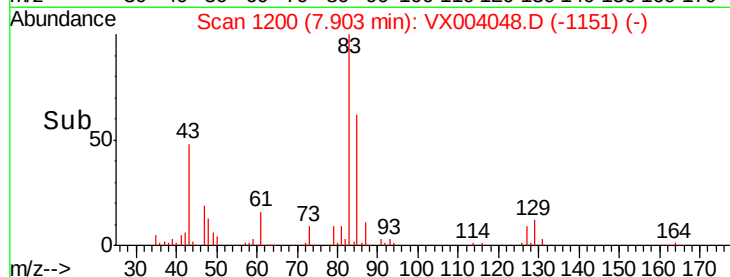
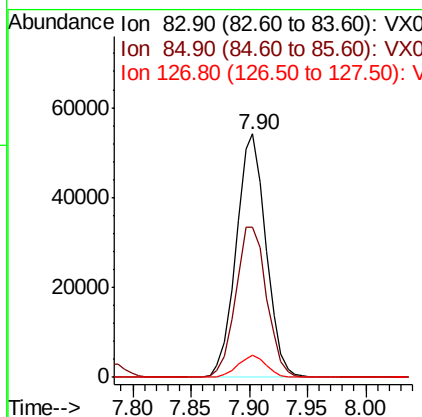
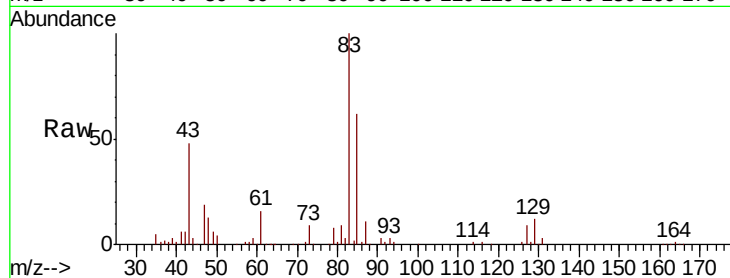
ClientSampleId :

VX0814WBS02

Tot Ion:	83	Resp:	96624
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.2	76.8
127	8.9	7.2	10.8

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 20.37 ug/l

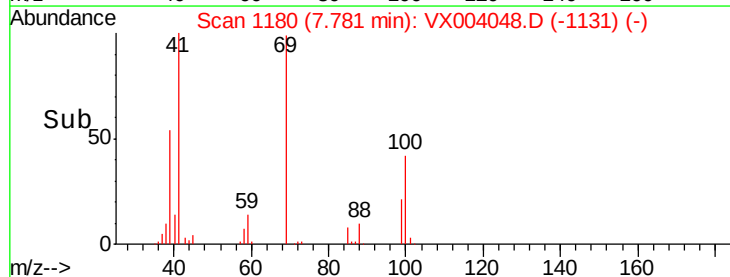
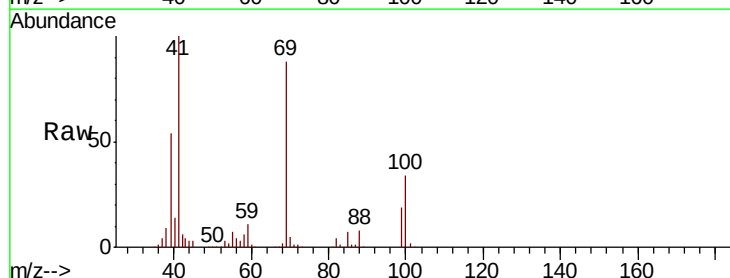
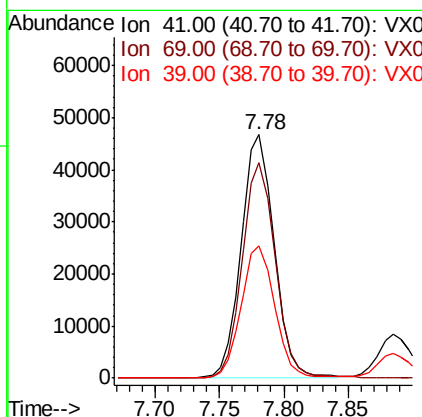
RT: 7.78 min Scan# 1180

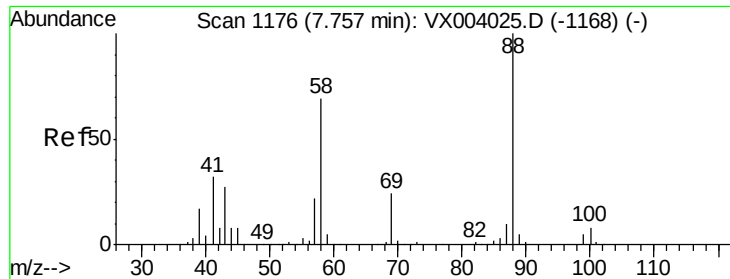
Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion:	41	Resp:	82904
Ion	Ratio	Lower	Upper
41	100		
69	88.6	68.8	103.2
39	55.5	42.3	63.5





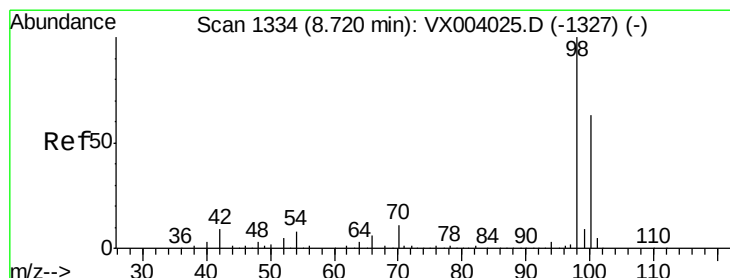
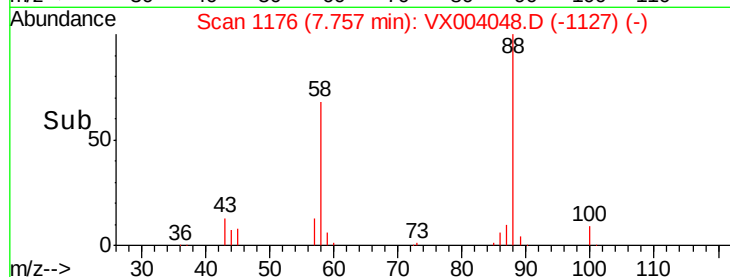
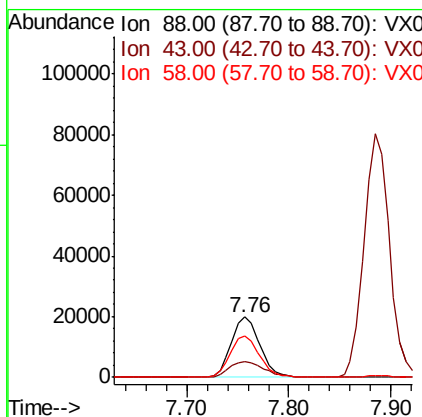
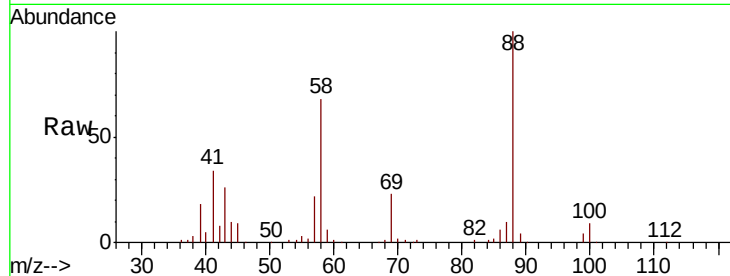
#49
1,4-Dioxane
Concen: 419.17 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	23.8	35.8
58	70.5	55.4	83.0

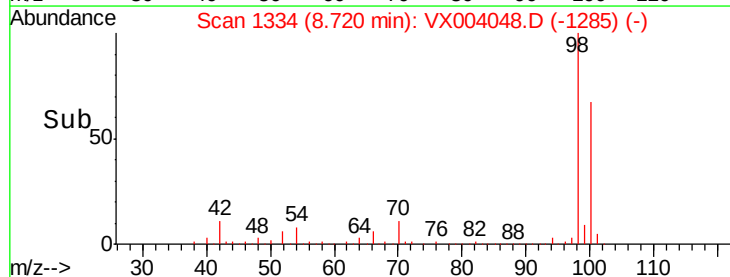
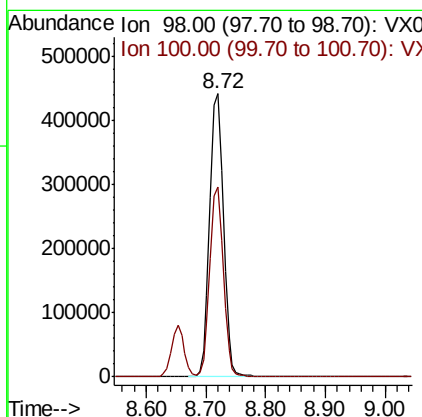
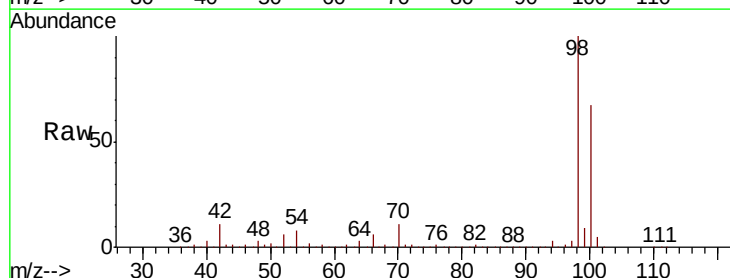
Manual Integrations
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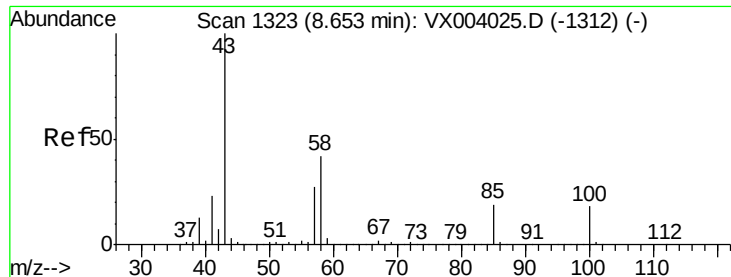
MMDadoda
8/15/2018 4:49:56 PM



#50
Toluene-d8
Concen: 52.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 107.59 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampled :

VX0814WBS02

Tot Ion: 43 Resp: 713185

Ion Ratio Lower Upper

43 100

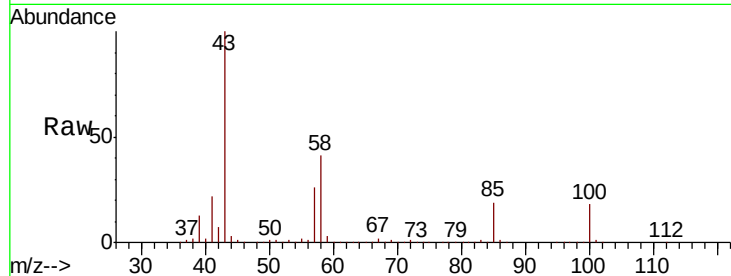
58 40.5 33.0 49.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

300000

200000

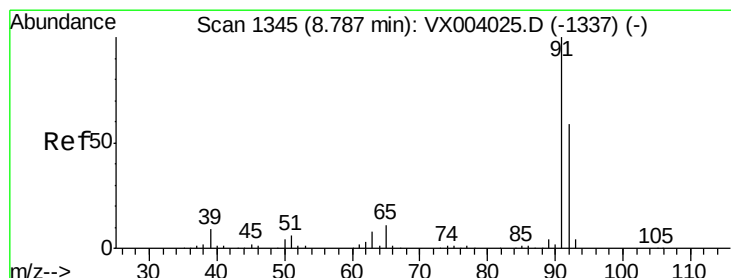
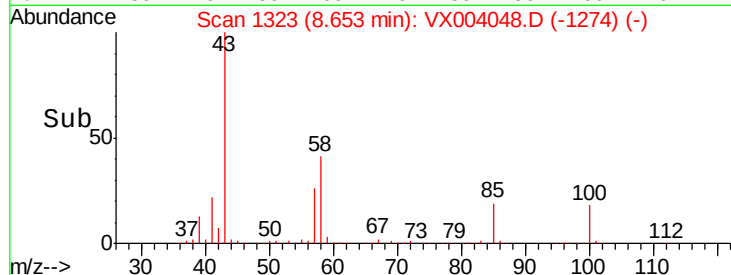
100000

0

8.65

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 20.91 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004048.D

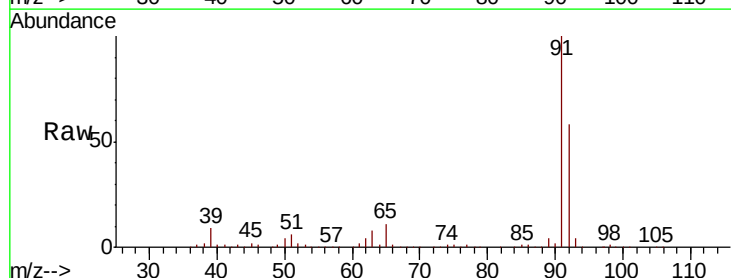
Acq: 15 Aug 2018 00:48

Tgt Ion: 92 Resp: 199953

Ion Ratio Lower Upper

92 100

91 170.5 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

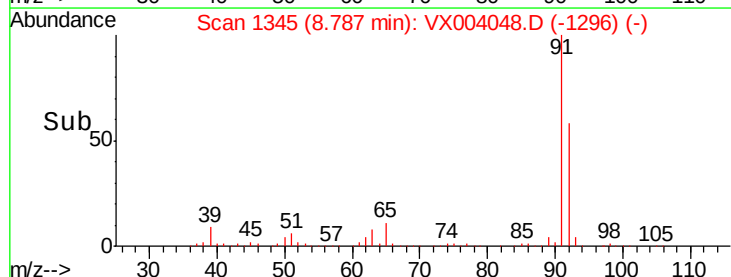
50000

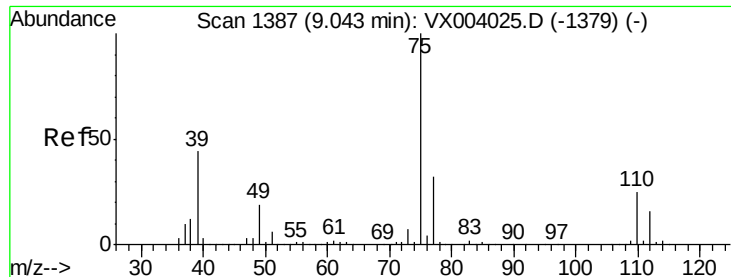
0

8.79

8.70 8.80 8.90 9.00

Time-->





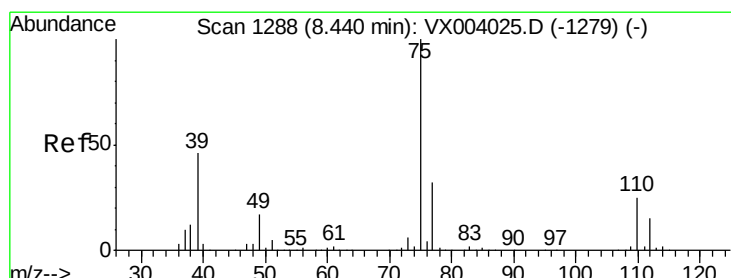
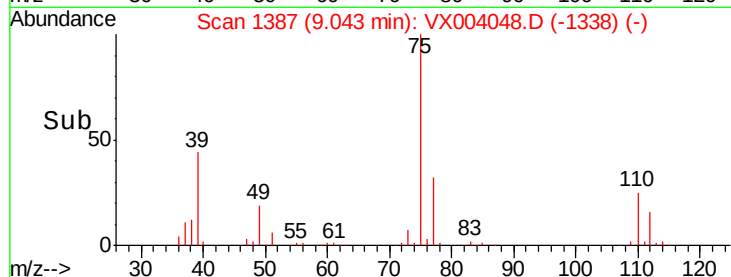
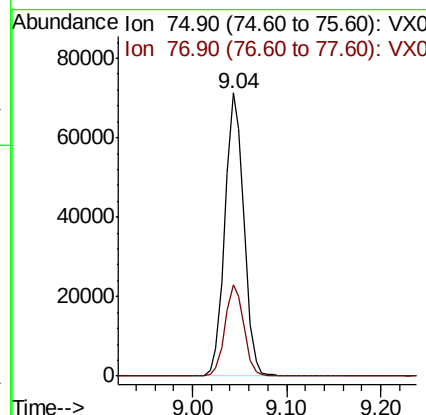
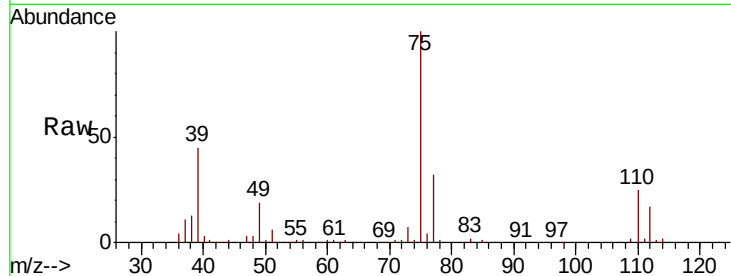
#53
 t-1,3-Dichloropropene
 Concen: 19.23 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion: 75 Resp: 99552
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7

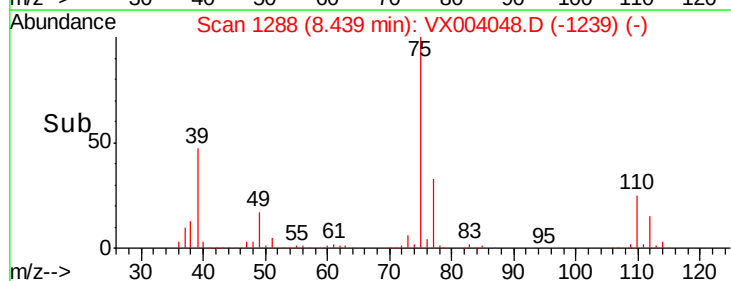
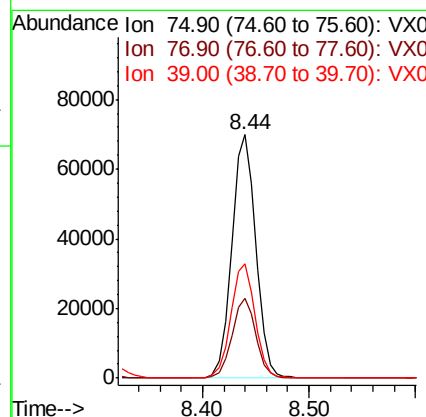
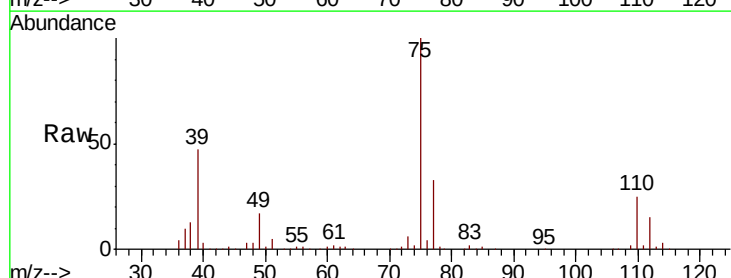
Manual Integrations
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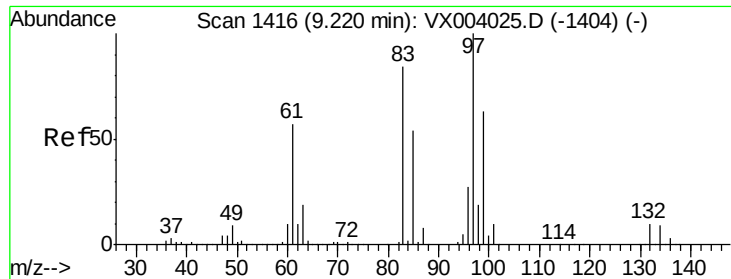
MMDadoda
 8/15/2018 4:49:56 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.28 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion: 75 Resp: 110518
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.3 37.9
 39 47.1 36.2 54.2





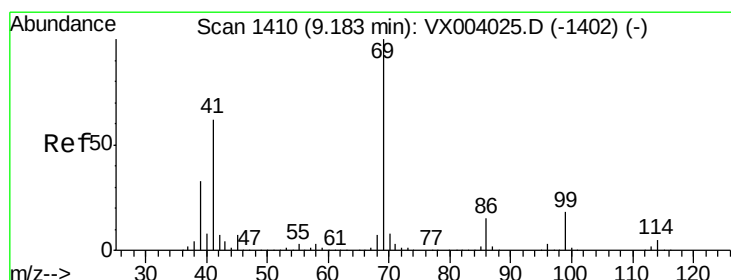
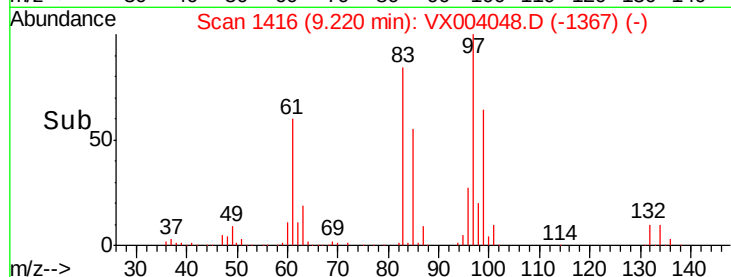
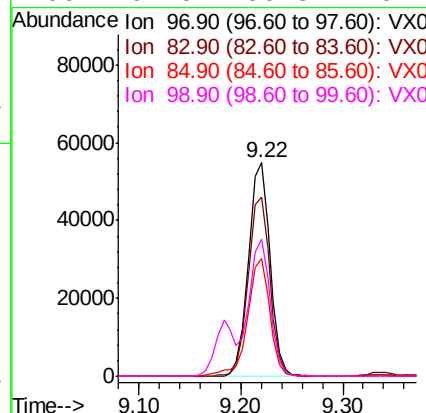
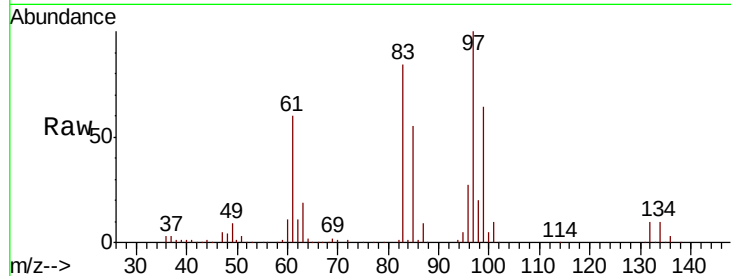
#55
 1,1,2-Trichloroethane
 Concen: 20.44 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion:	97	Resp:	80751
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.8	101.6
85	55.2	44.2	66.2
99	64.3	50.8	76.2

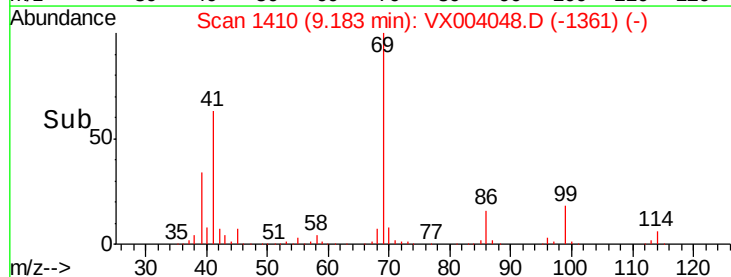
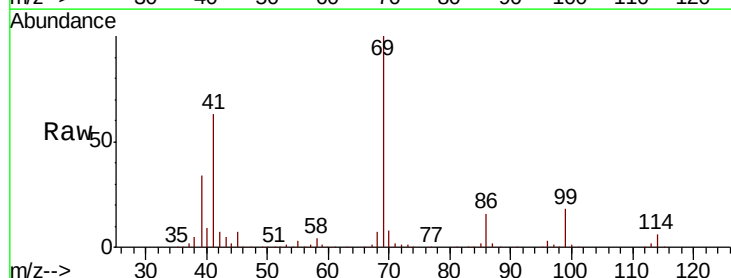
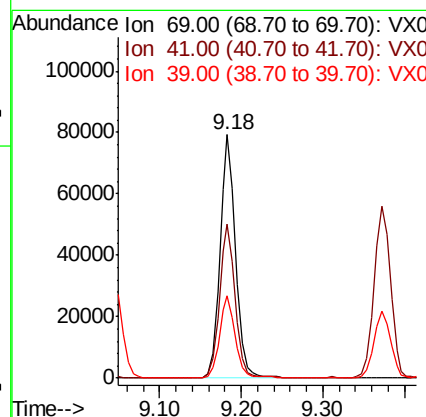
Manual Integrations
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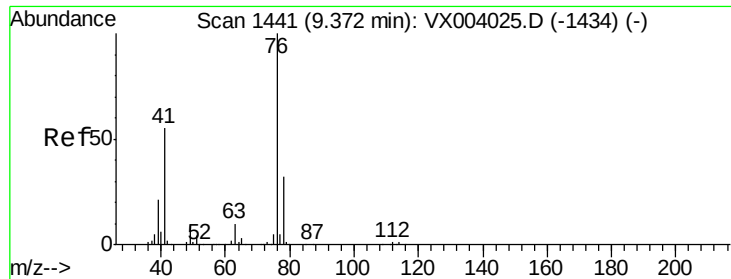
MMDadoda
 8/15/2018 4:49:56 PM



#56
 Ethyl methacrylate
 Concen: 20.00 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion:	69	Resp:	107430
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.6	76.0
39	34.0	25.8	38.6





#57

1,3-Dichloropropane

Concen: 20.57 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampled :

VX0814WBS02

Tot Ion: 76 Resp: 134782

Ion Ratio Lower Upper

76 100

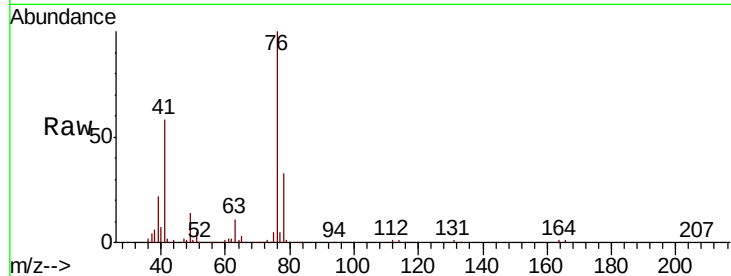
78 32.9 25.9 38.9

Manual Integrations

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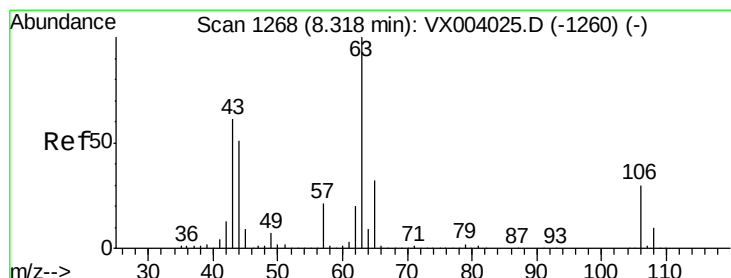
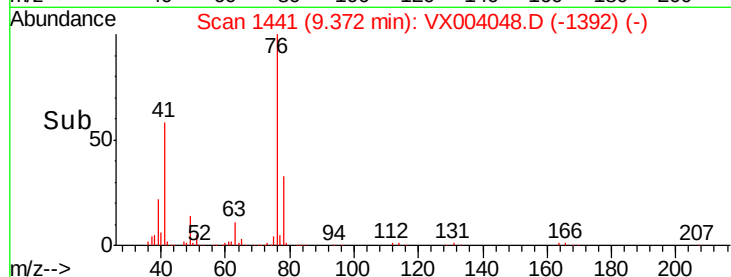
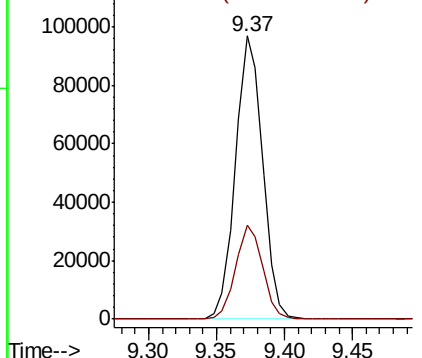
MMDadoda

8/15/2018 4:49:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.66 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004048.D

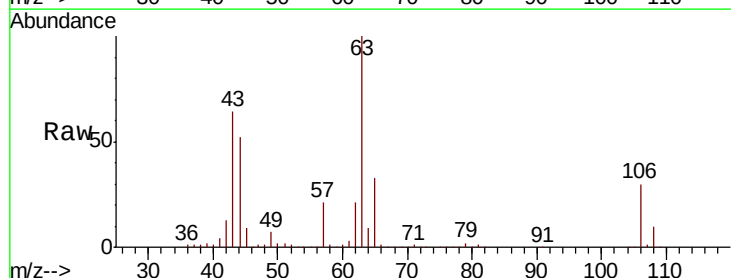
Acq: 15 Aug 2018 00:48

Tgt Ion: 63 Resp: 286242

Ion Ratio Lower Upper

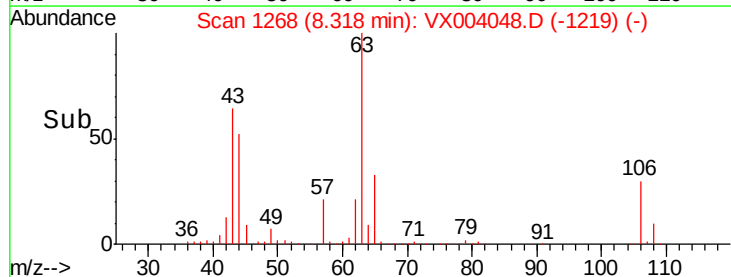
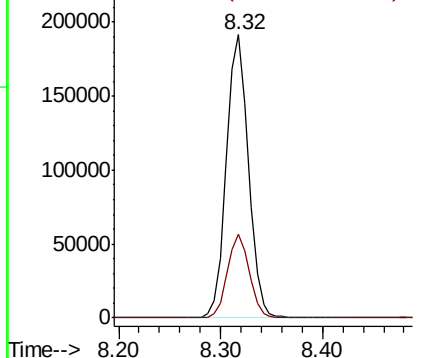
63 100

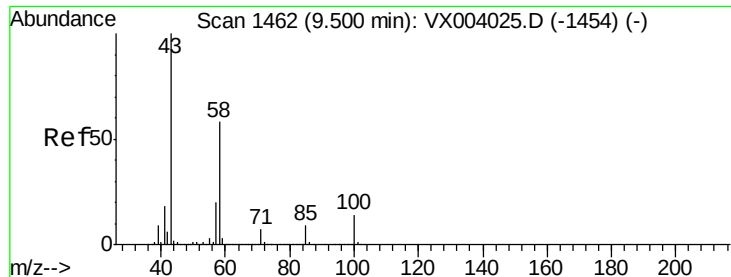
106 29.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





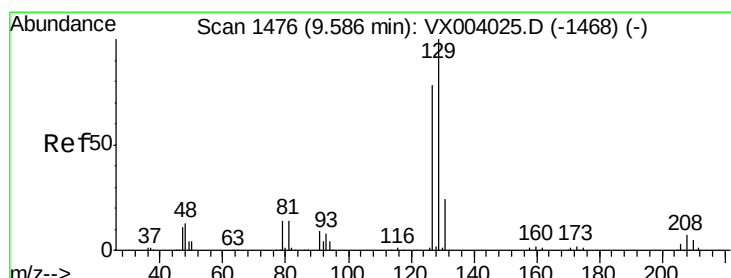
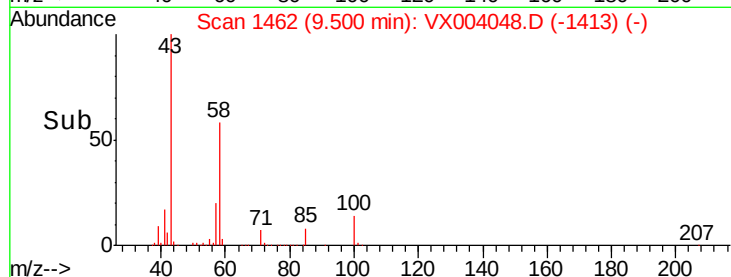
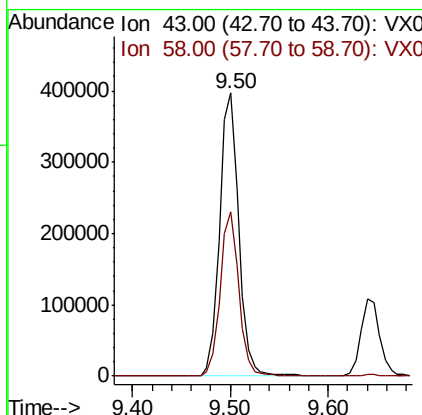
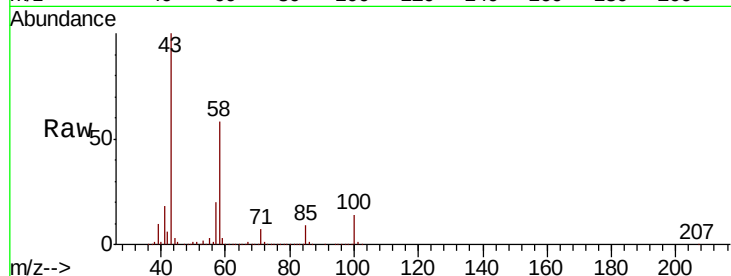
#59
2-Hexanone
Concen: 107.79 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion: 43 Resp: 537739
Ion Ratio Lower Upper
43 100
58 56.5 29.0 87.0

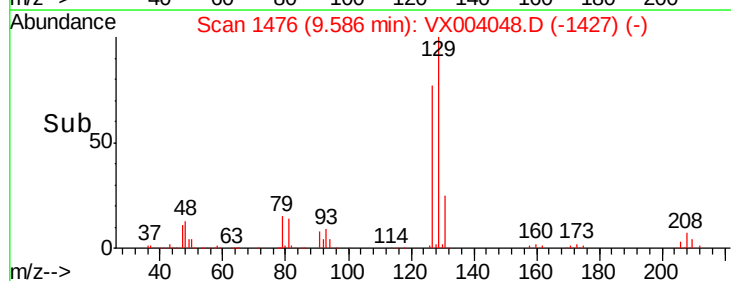
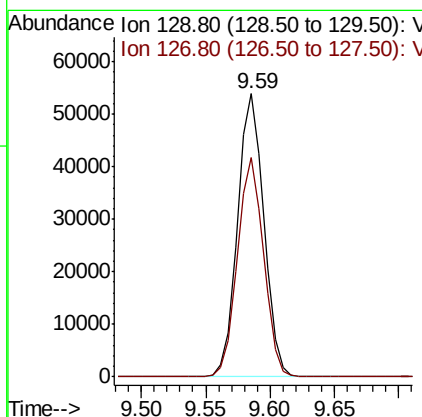
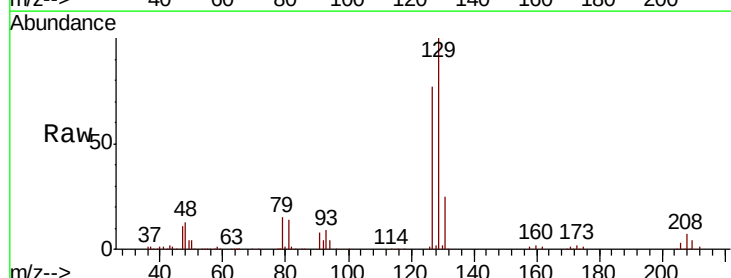
Manual Integrations
APPROVED

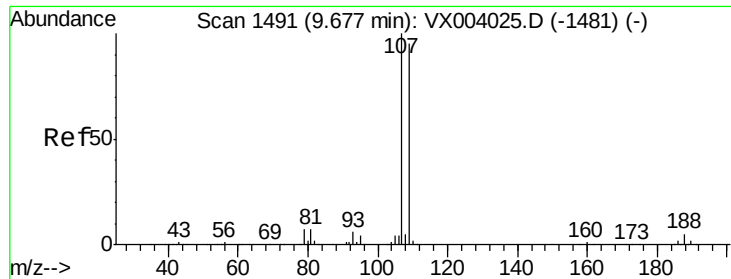
MMDadoda
8/15/2018 4:49:56 PM



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion: 129 Resp: 76267
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.58 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion:107 Resp: 82849

Ion Ratio Lower Upper

107 100

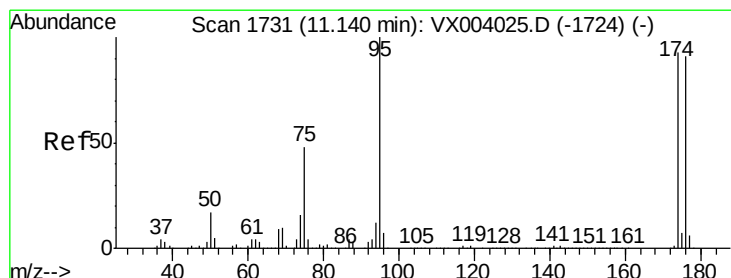
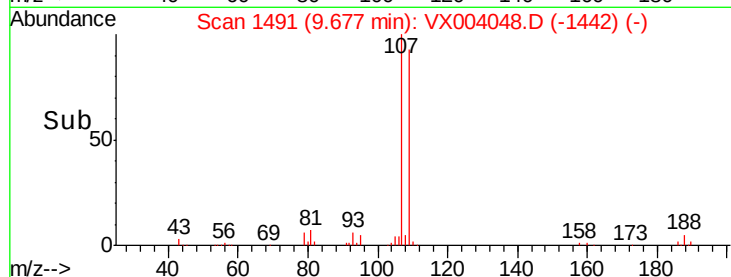
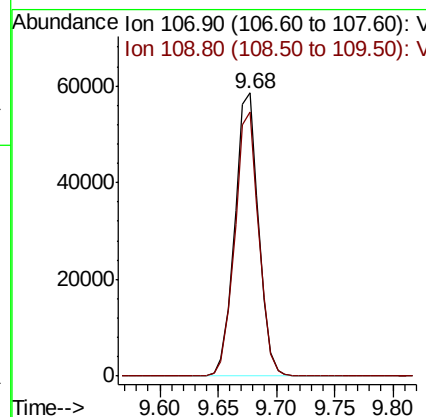
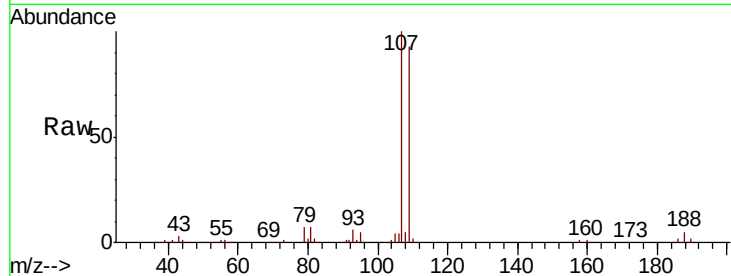
109 94.3 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:56 PM



#62

4-Bromofluorobenzene

Concen: 51.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

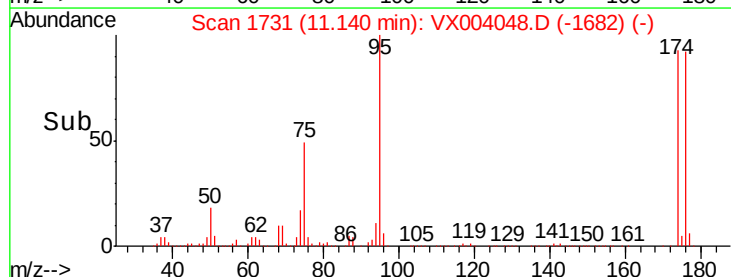
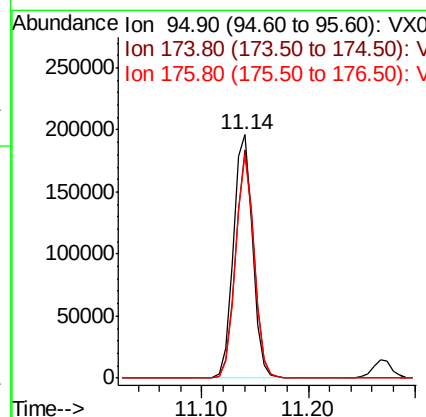
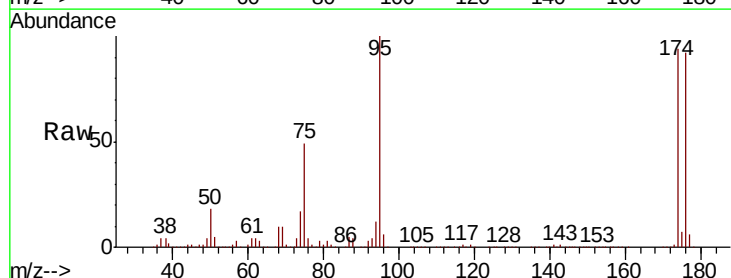
Tgt Ion: 95 Resp: 249040

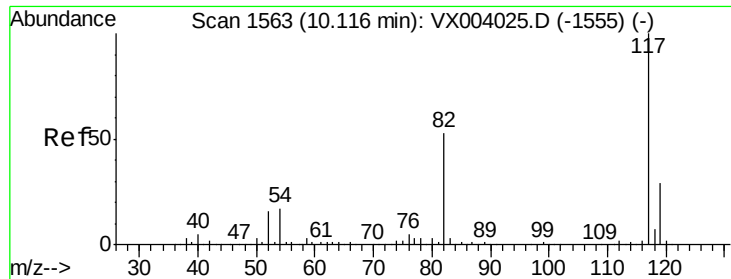
Ion Ratio Lower Upper

95 100

174 90.2 0.0 182.8

176 88.1 0.0 179.0





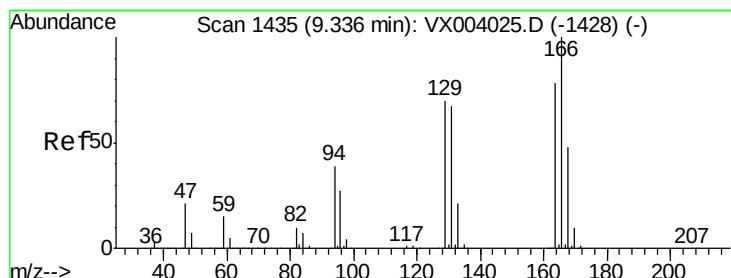
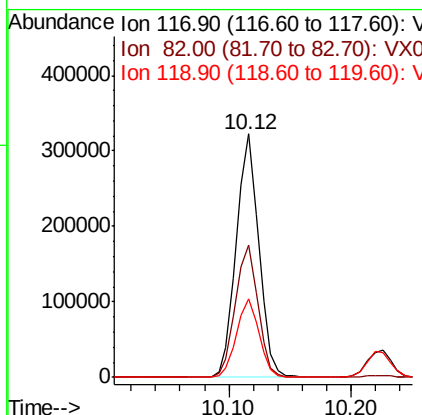
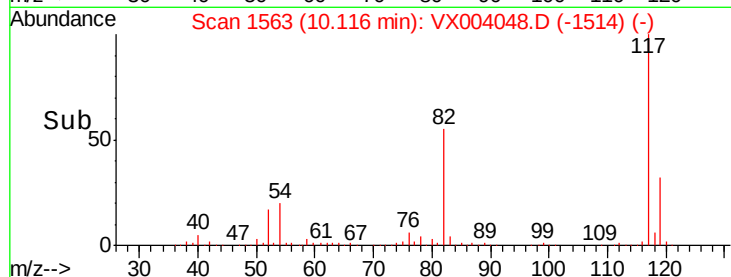
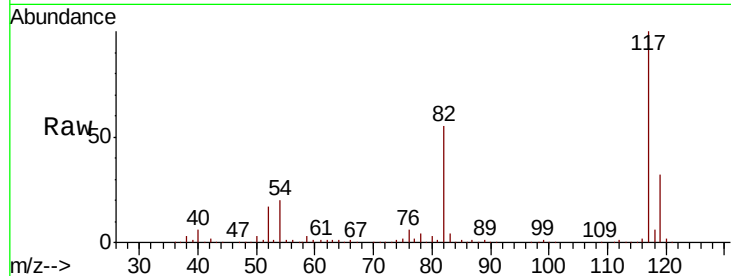
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.4	68.0
119	32.2	26.6	40.0

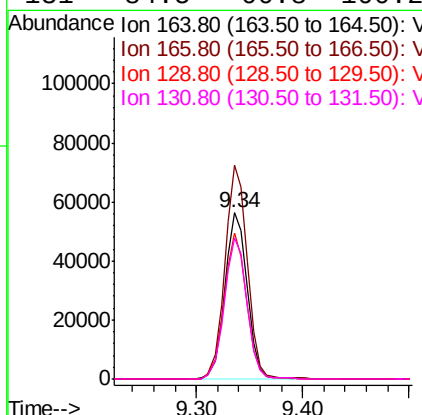
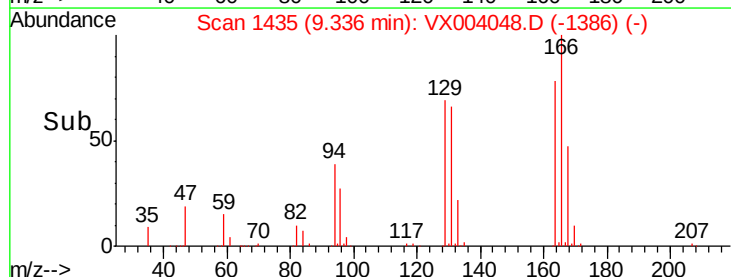
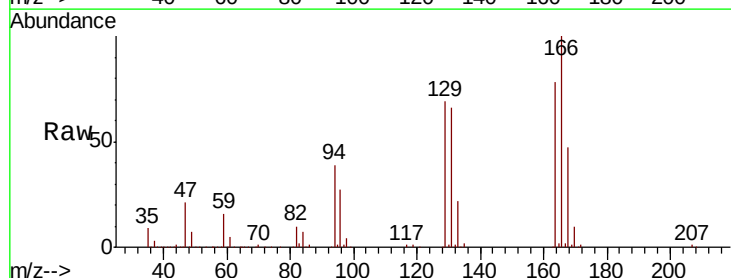
Manual Integrations
APPROVED

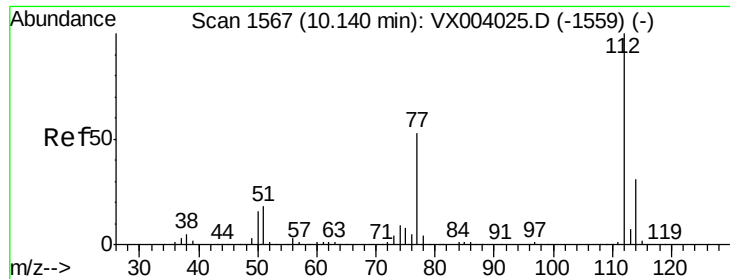
MMDadoda
8/15/2018 4:49:56 PM



#64
Tetrachloroethene
Concen: 21.22 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	98.0	147.0
129	88.1	64.3	96.5
131	84.5	66.8	100.2





#65

Chlorobenzene

Concen: 19.79 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion:112 Resp: 210295

Ion Ratio Lower Upper

112 100

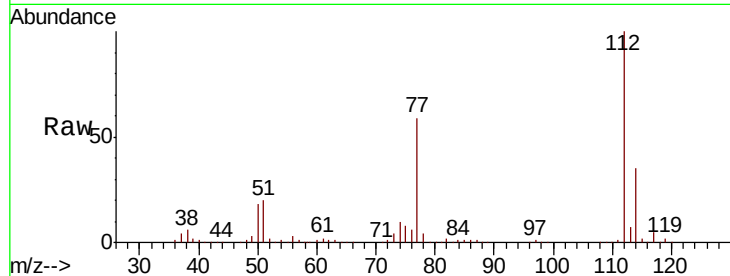
114 35.2 23.6 35.4

Manual Integrations

APPROVED

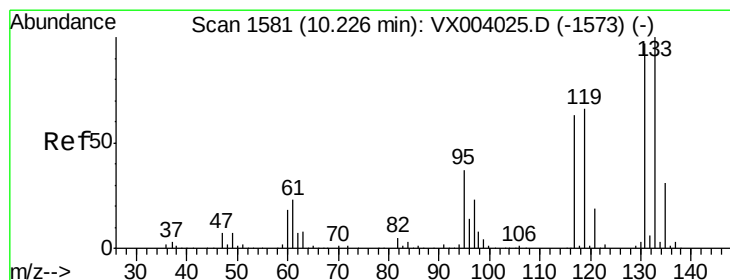
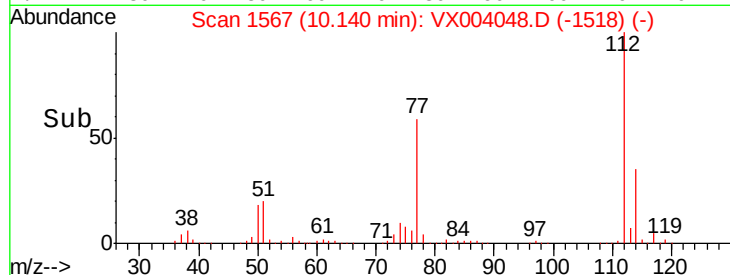
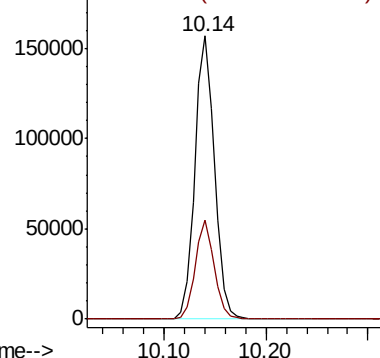
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.12 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

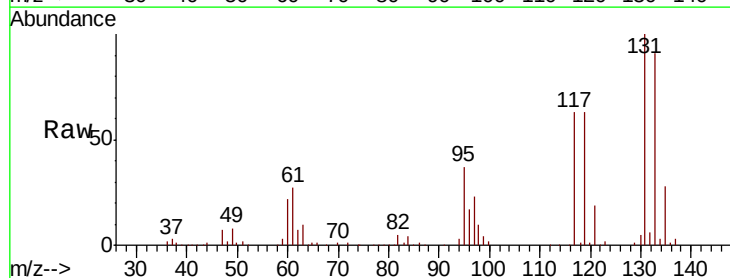
Tgt Ion:131 Resp: 72914

Ion Ratio Lower Upper

131 100

133 97.0 47.3 141.8

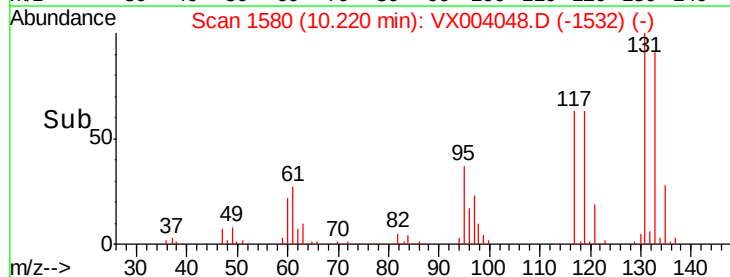
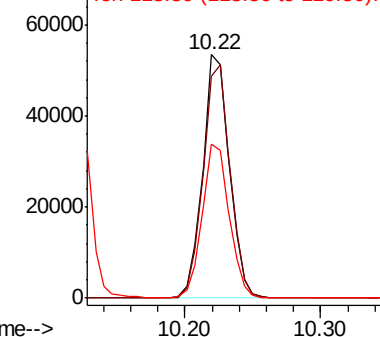
119 64.0 31.6 94.8

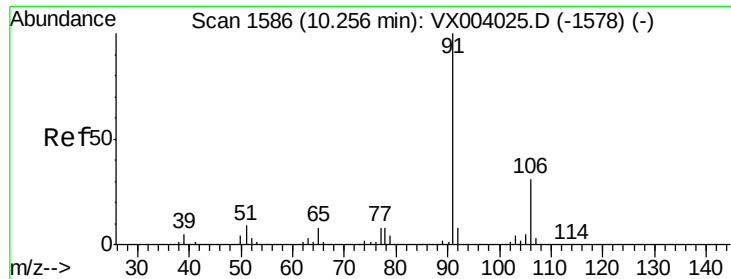


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





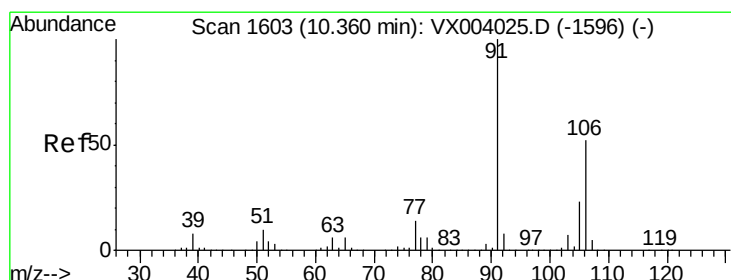
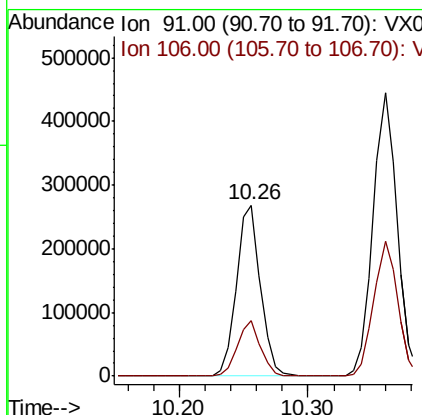
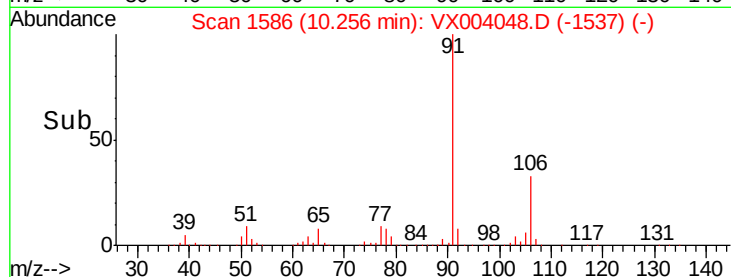
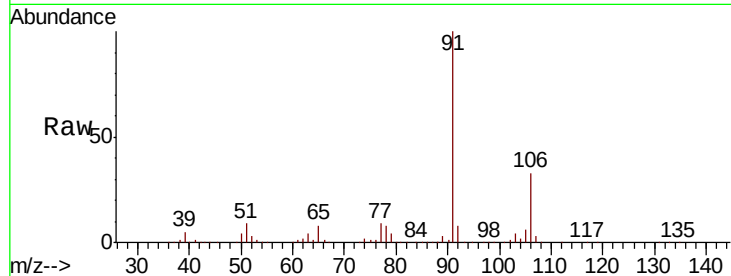
#67
Ethyl Benzene
Concen: 20.68 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion: 91 Resp: 347888
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9

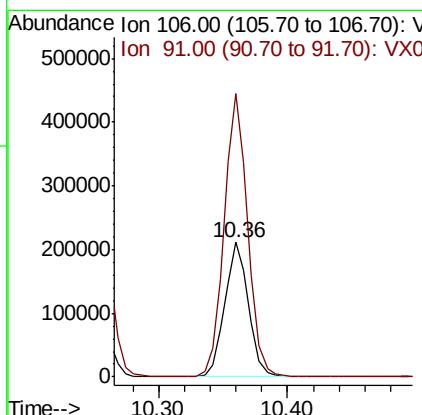
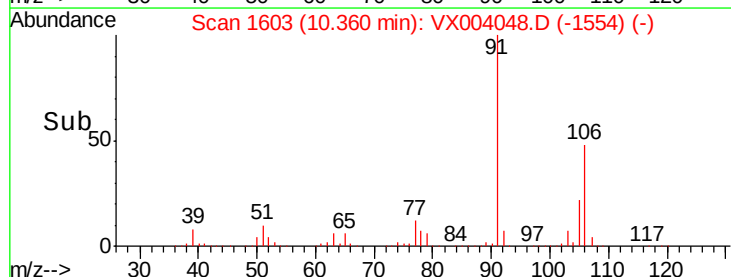
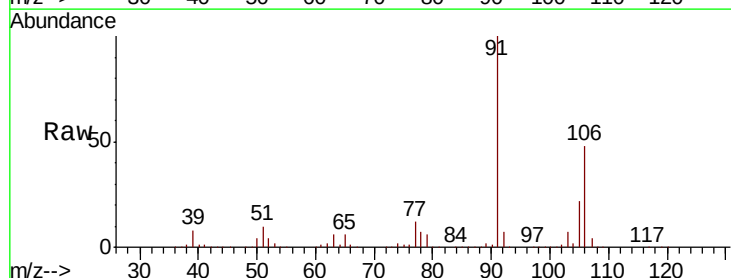
Manual Integrations
APPROVED

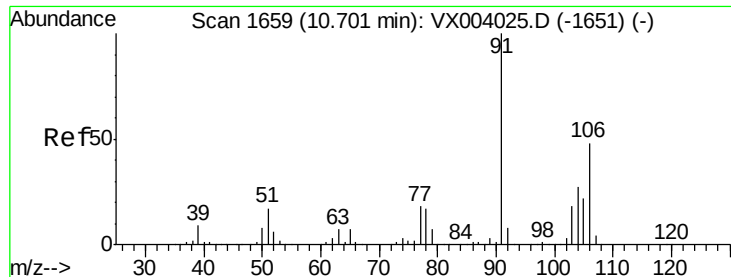
MMDadoda
8/15/2018 4:49:56 PM



#68
m/p-Xylenes
Concen: 41.26 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion: 106 Resp: 271836
Ion Ratio Lower Upper
106 100
91 210.2 162.3 243.5





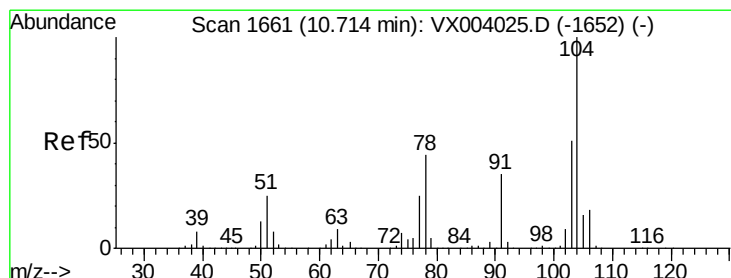
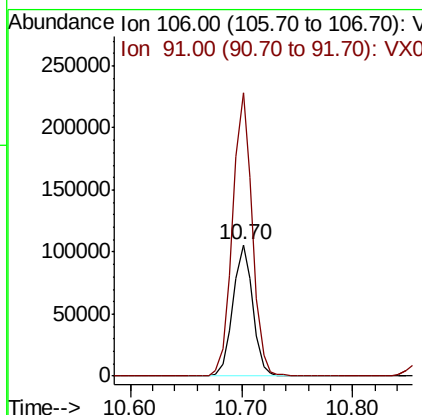
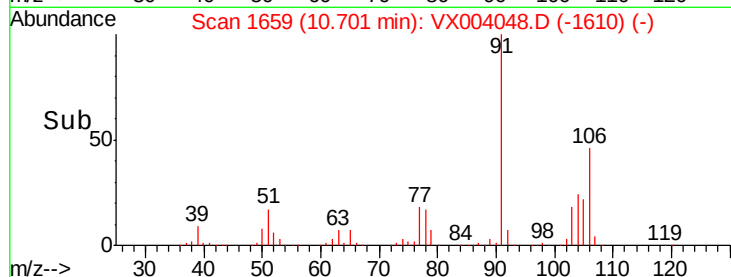
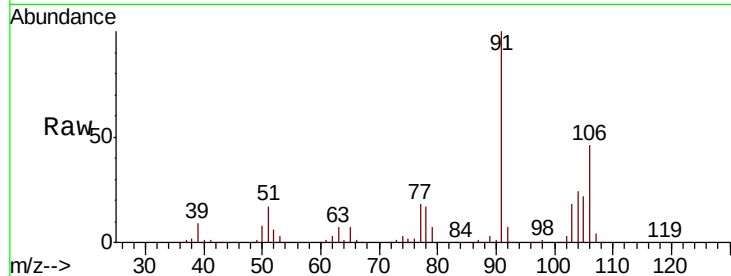
#69
o-Xylene
Concen: 20.70 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampled :
VX0814WBS02

Tot Ion:106 Resp: 130348
Ion Ratio Lower Upper
106 100
91 213.9 101.9 305.7

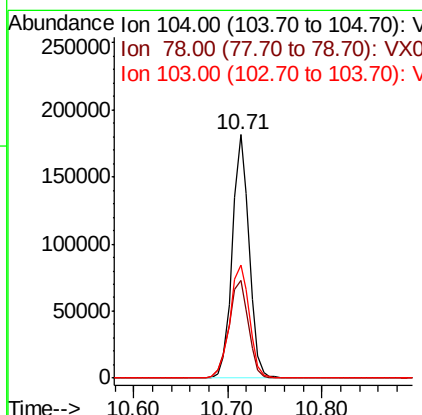
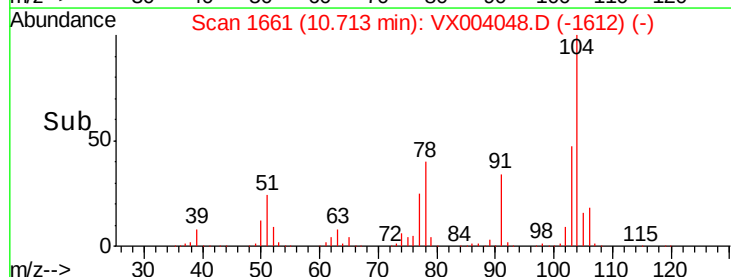
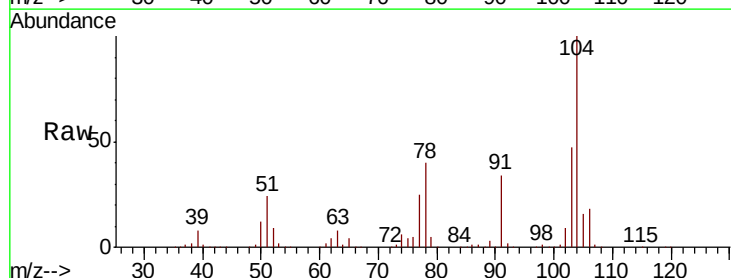
Manual Integrations
APPROVED

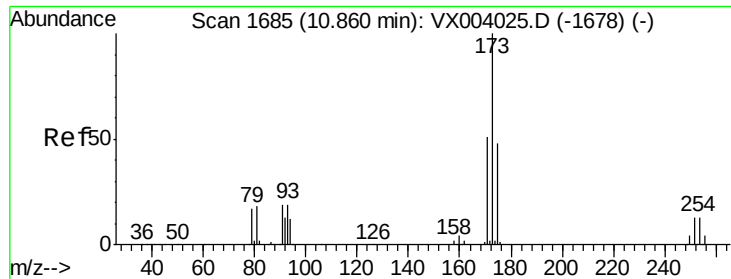
MMDadoda
8/15/2018 4:49:56 PM



#70
Styrene
Concen: 21.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion:104 Resp: 225150
Ion Ratio Lower Upper
104 100
78 46.7 39.8 59.6
103 53.9 44.3 66.5





#71

Bromoform

Concen: 19.66 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

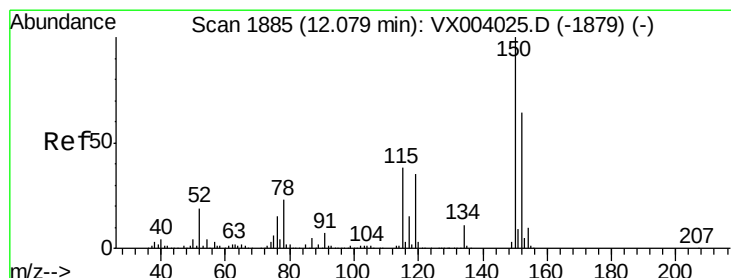
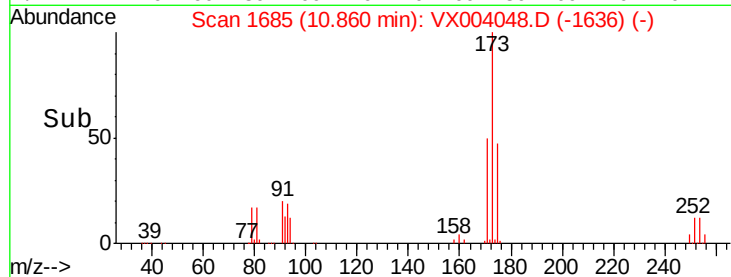
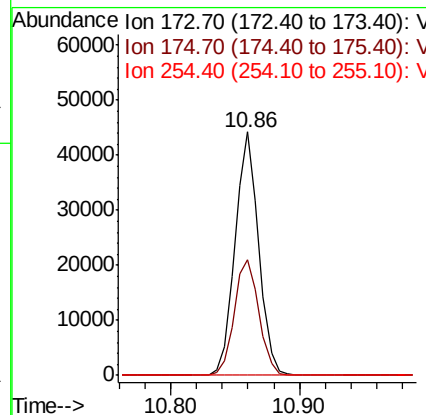
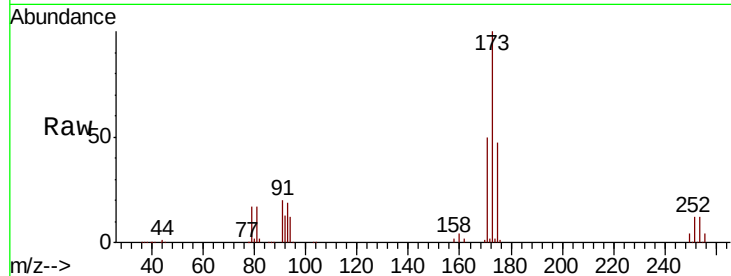
ClientSampleId :

VX0814WBS02

Tot Ion:	173	Resp:	56492
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
APPROVED

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

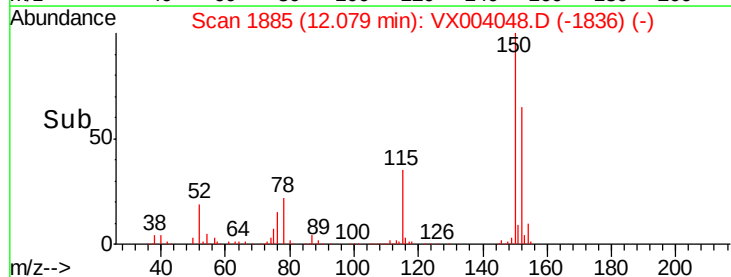
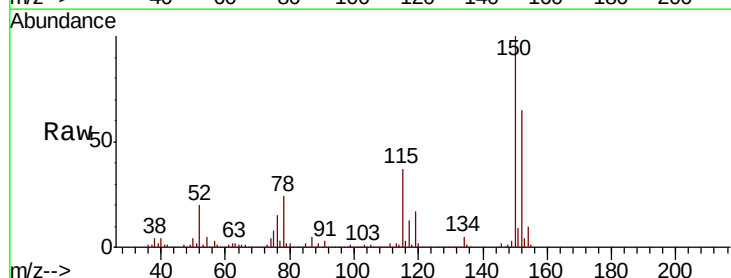
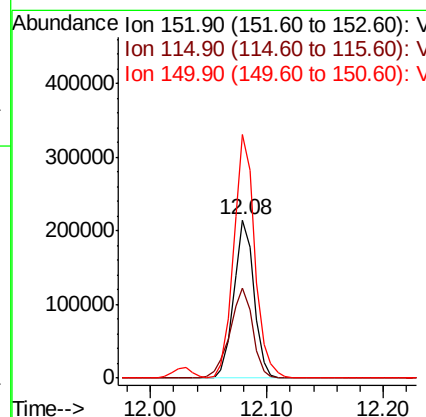
RT: 12.08 min Scan# 1885

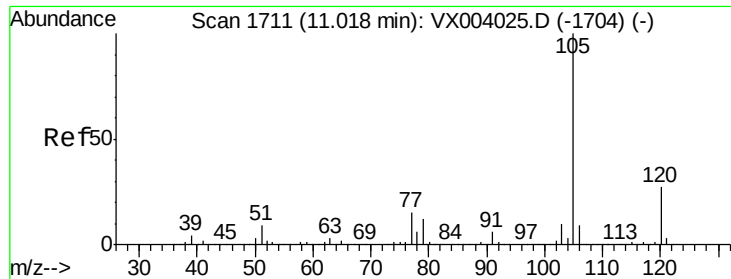
Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion:	152	Resp:	257037
Ion Ratio	Lower	Upper	
152	100		
115	64.3	39.1	117.3
150	162.0	0.0	349.2





#73

Isopropylbenzene

Concen: 20.98 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion: 105 Resp: 364953

Ion Ratio Lower Upper

105 100

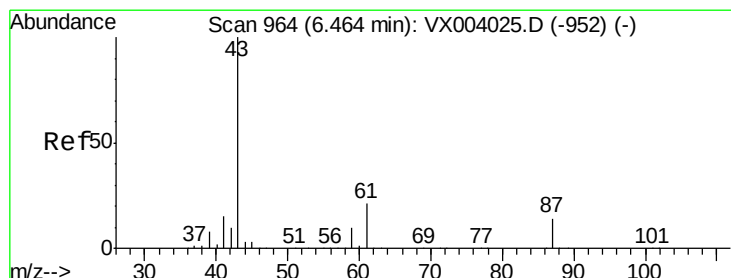
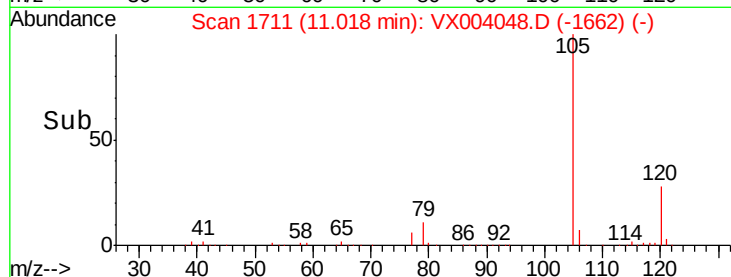
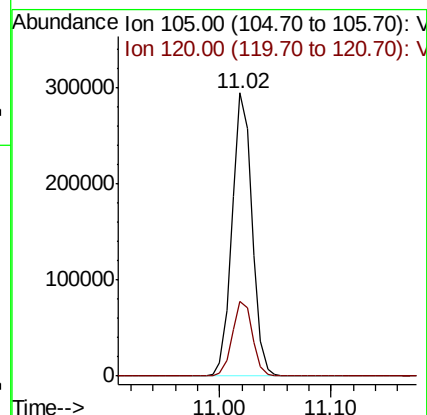
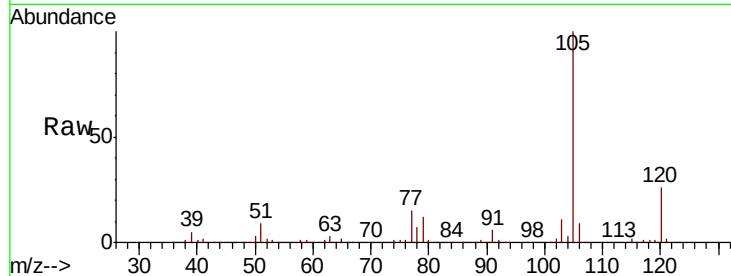
120 26.9 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.77 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Tgt Ion: 43 Resp: 161738

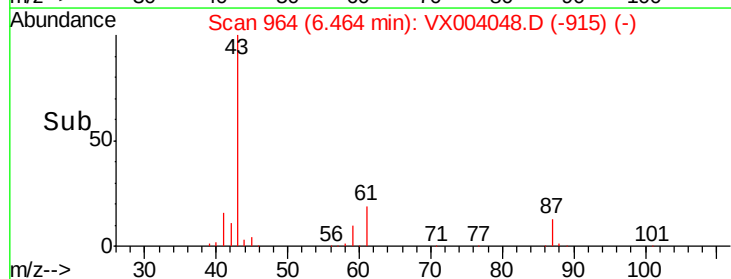
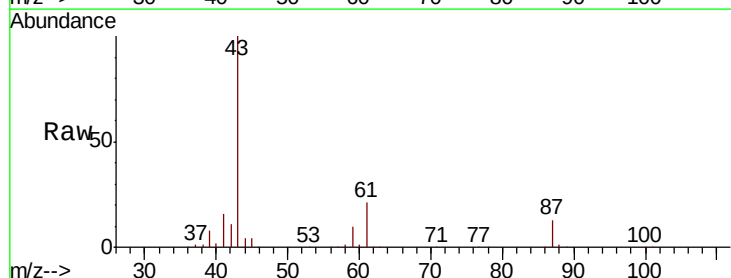
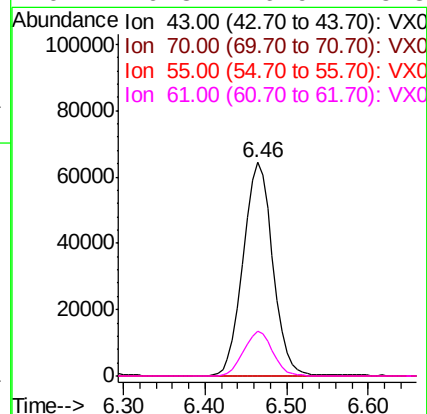
Ion Ratio Lower Upper

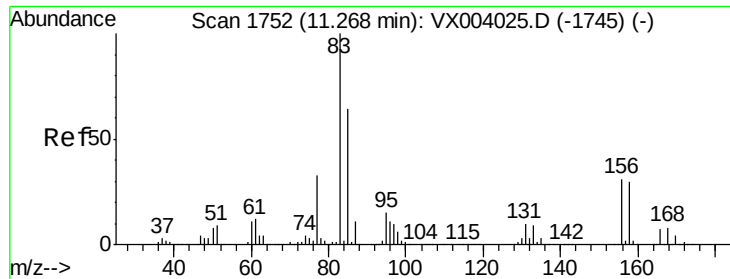
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.8 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampled :

VX0814WBS02

Tot Ion: 83 Resp: 124196

Ion Ratio Lower Upper

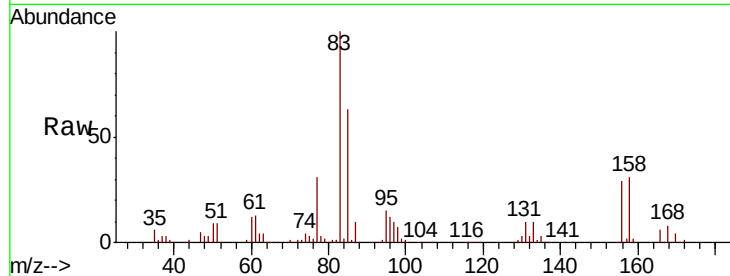
83 100

131 10.4 5.2 15.6

85 64.1 32.2 96.6

Manual Integrations
APPROVED

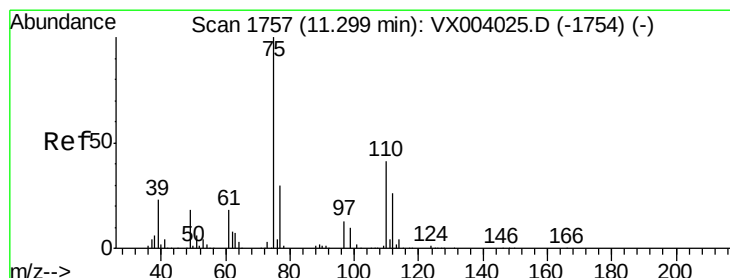
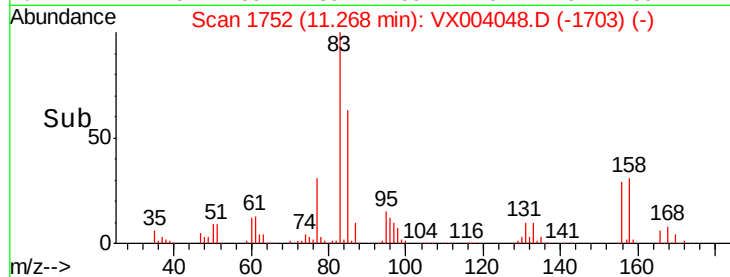
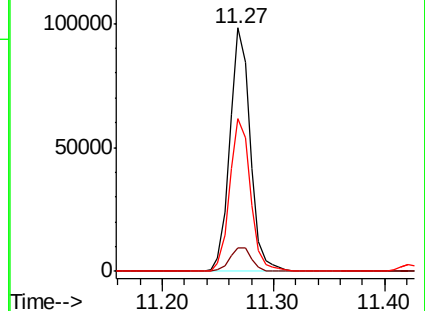
MMDadoda
8/15/2018 4:49:56 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.20 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004048.D

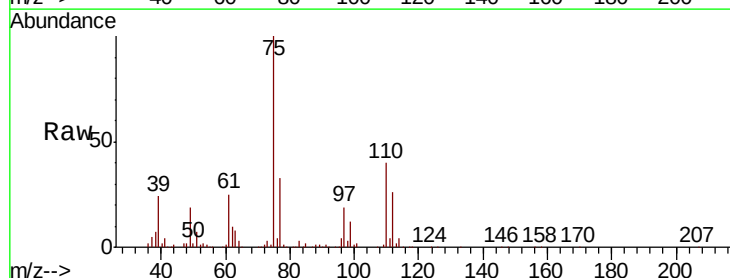
Acq: 15 Aug 2018 00:48

Tgt Ion: 75 Resp: 109269

Ion Ratio Lower Upper

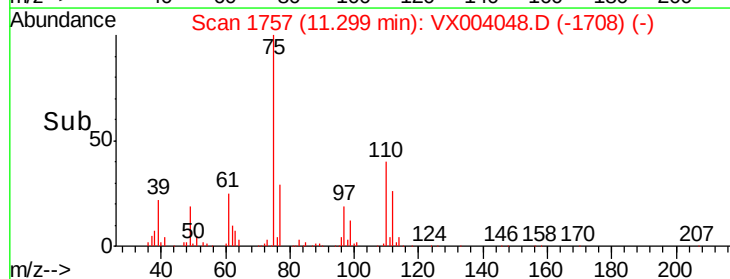
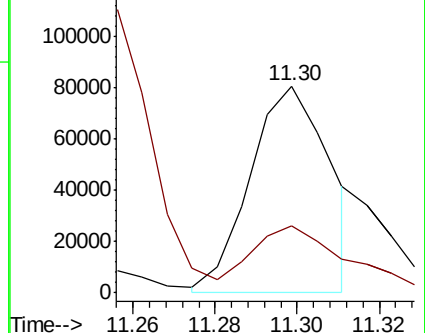
75 100

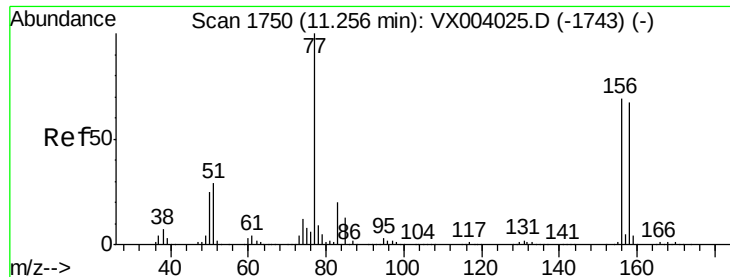
77 39.3 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.15 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion:156 Resp: 96629

Ion Ratio Lower Upper

156 100

77 147.8 74.1 222.2

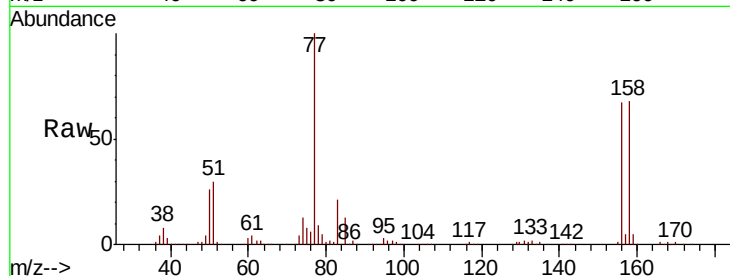
158 98.8 48.6 145.9

Manual Integrations

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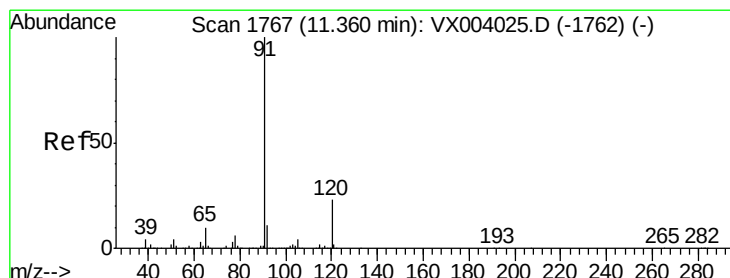
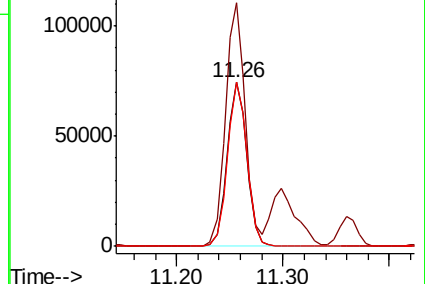
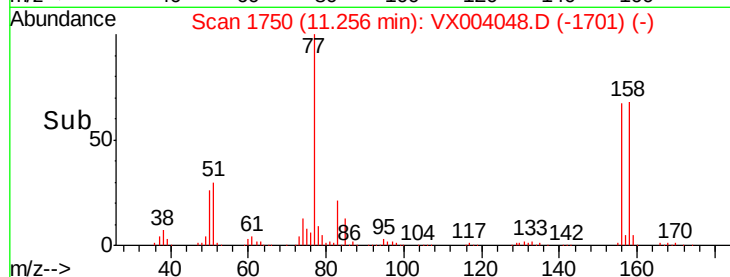
8/15/2018 4:49:56 PM



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: 21.39 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004048.D

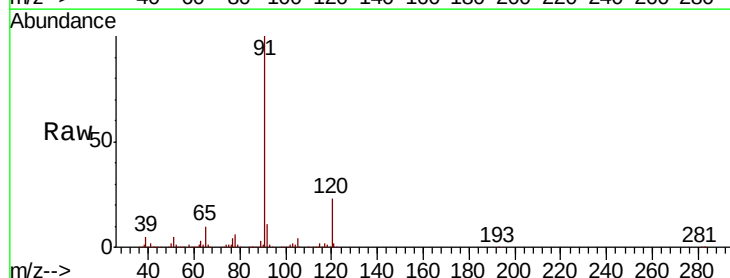
Acq: 15 Aug 2018 00:48

Tgt Ion: 91 Resp: 416415

Ion Ratio Lower Upper

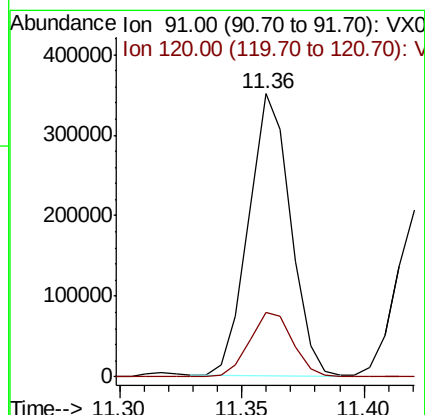
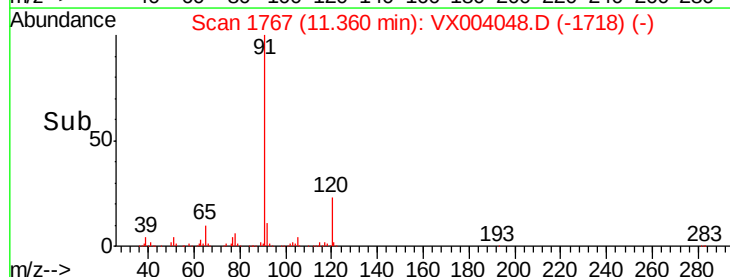
91 100

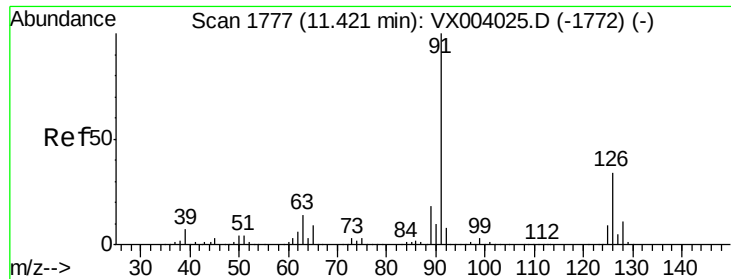
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.32 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampled :

VX0814WBS02

Tot Ion: 91 Resp: 252859

Ion Ratio Lower Upper

91 100

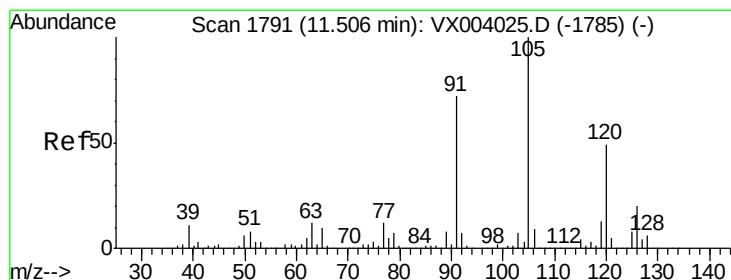
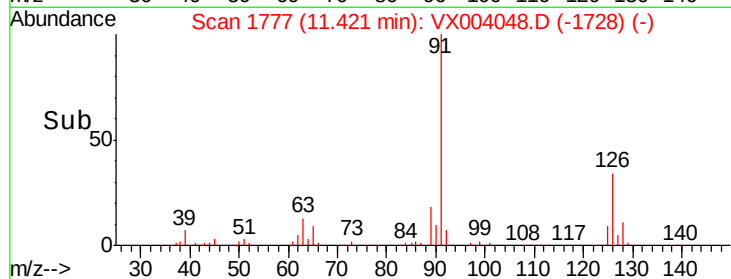
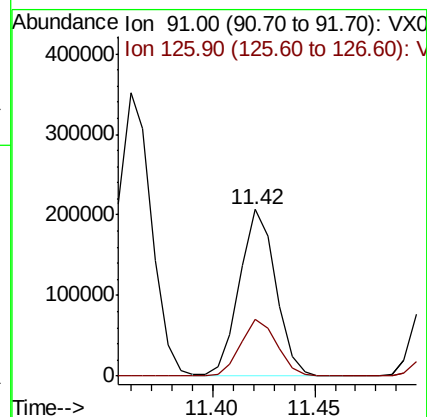
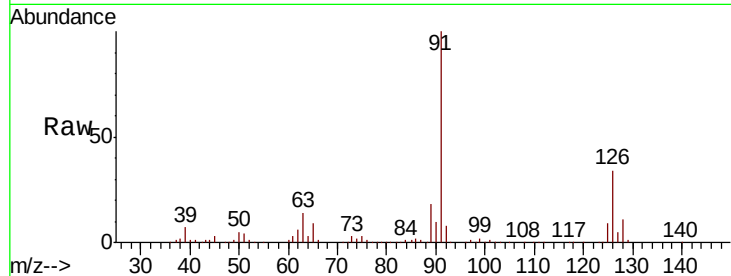
126 34.4 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.09 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004048.D

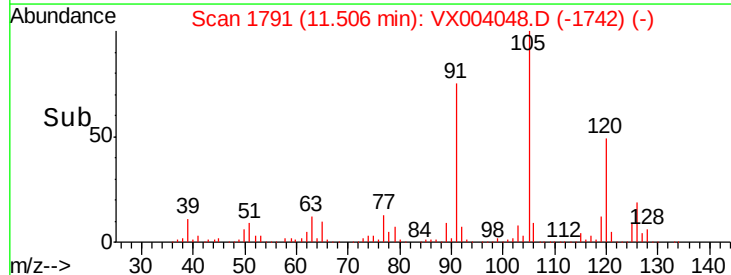
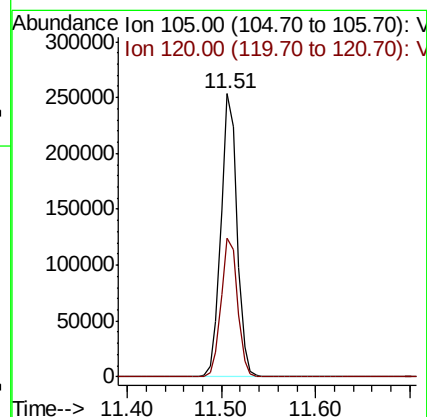
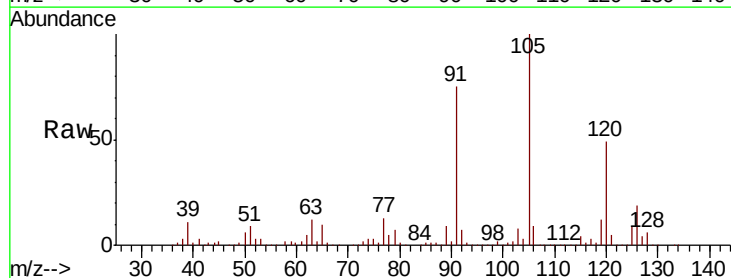
Acq: 15 Aug 2018 00:48

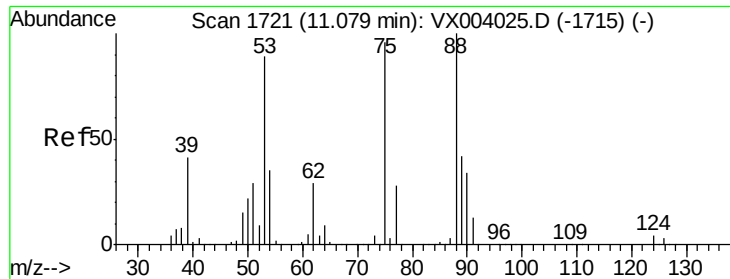
Tgt Ion: 105 Resp: 300397

Ion Ratio Lower Upper

105 100

120 50.2 25.4 76.2





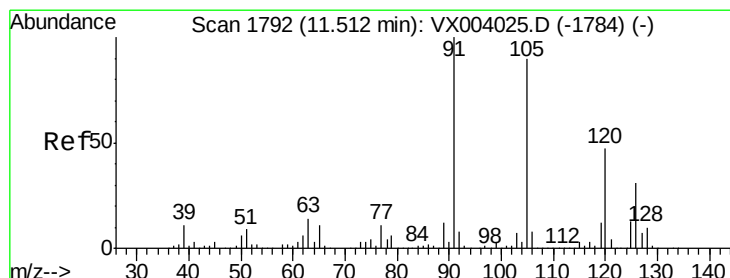
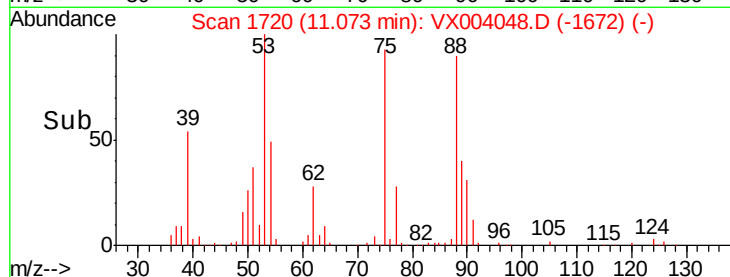
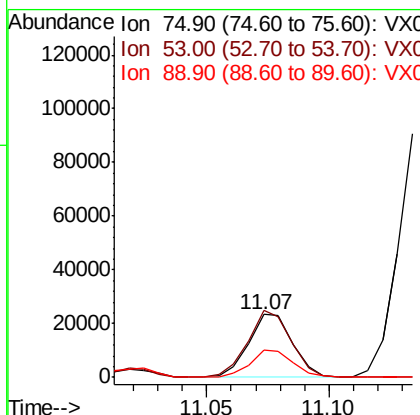
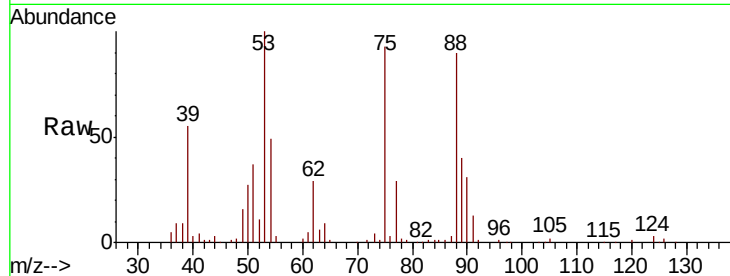
#81
trans-1,4-Dichloro-2-butene
Concen: 17.51 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.9	80.3	120.5
89	43.3	37.8	56.8

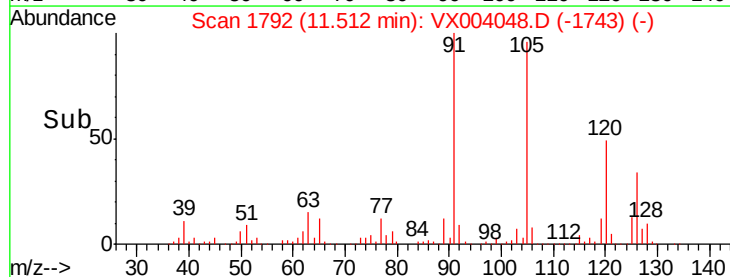
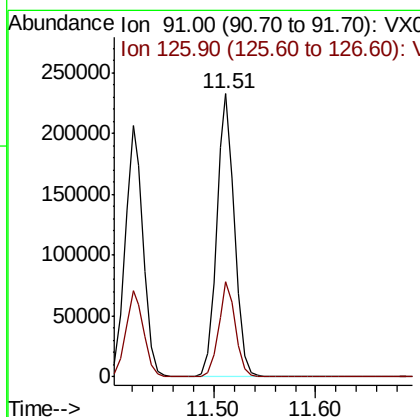
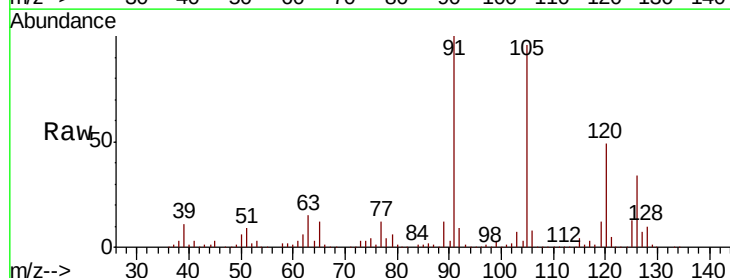
Manual Integrations
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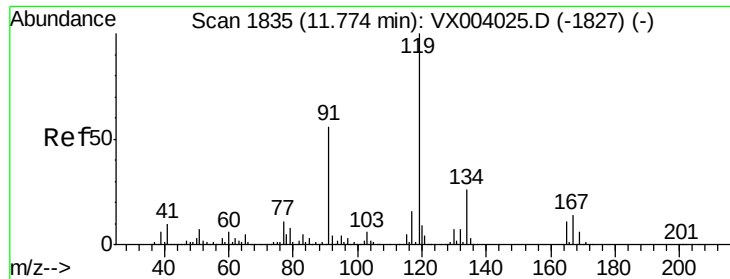
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#82
4-Chlorotoluene
Concen: 20.28 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.7





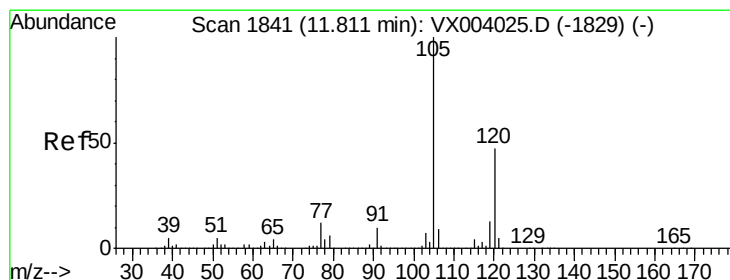
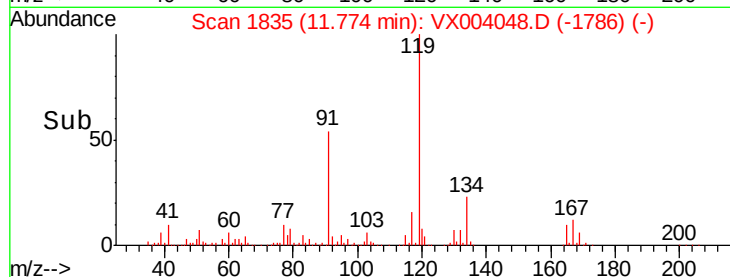
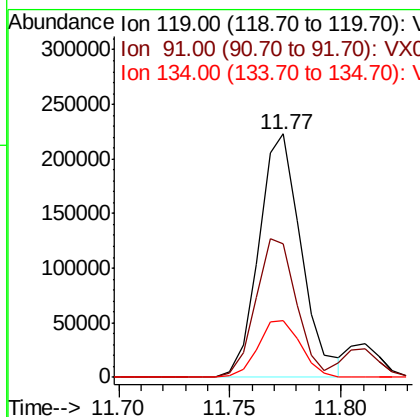
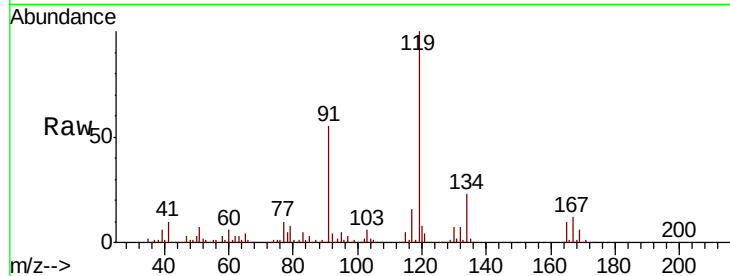
#83
 tert-Butylbenzene
 Concen: 20.58 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295523		
91	54.6	26.9	80.7	
134	23.6	12.0	36.0	

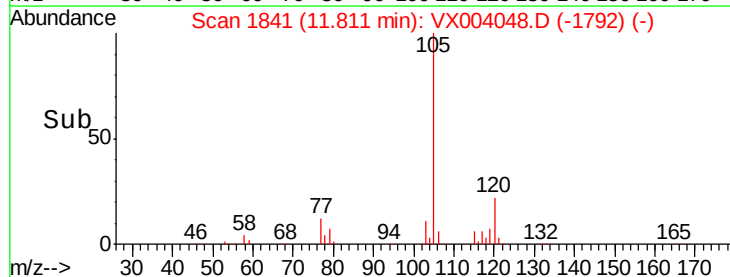
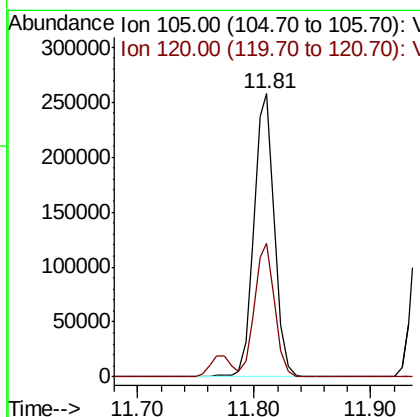
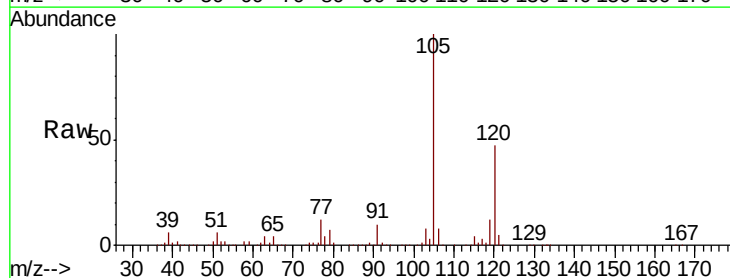
Manual Integrations
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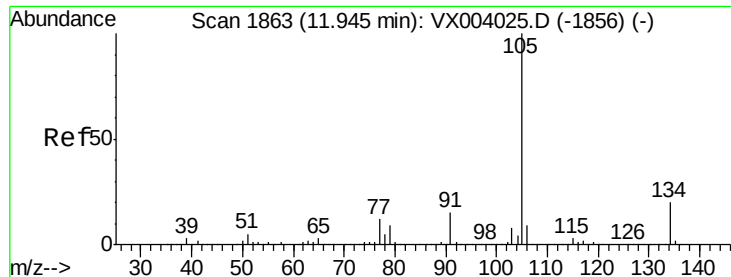
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.27 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	313765		
120	46.5	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.81 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion:105 Resp: 349750

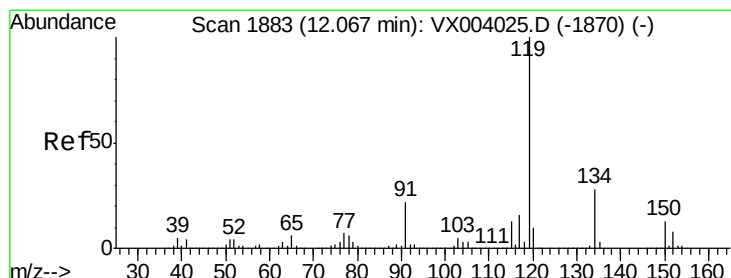
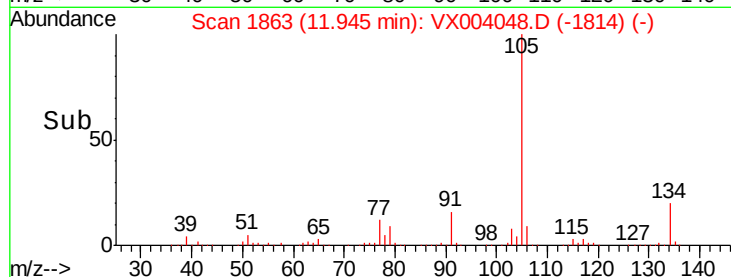
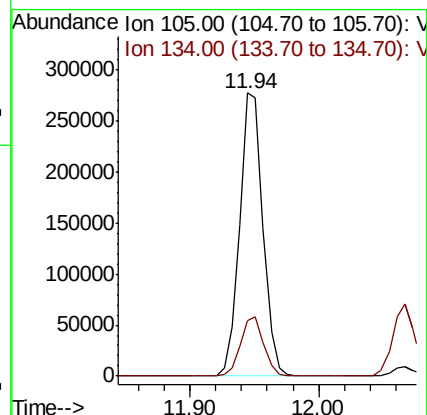
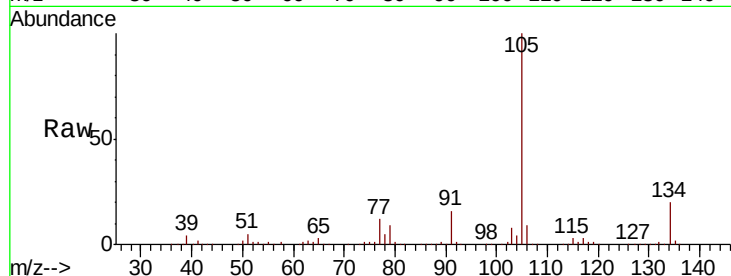
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.76 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

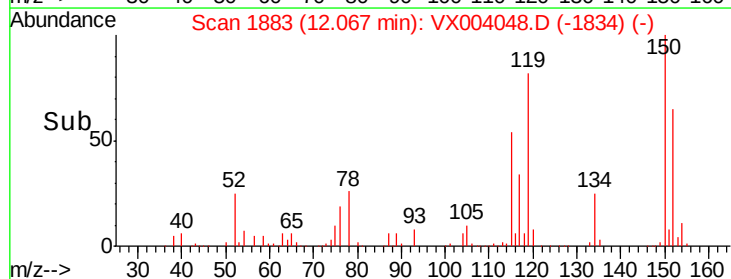
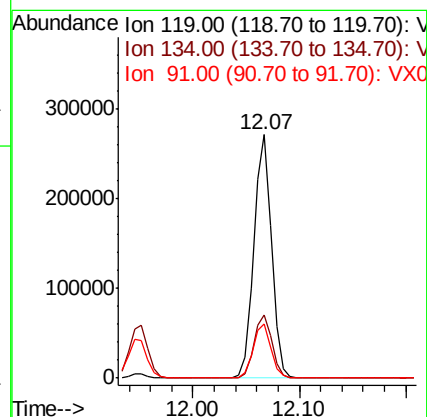
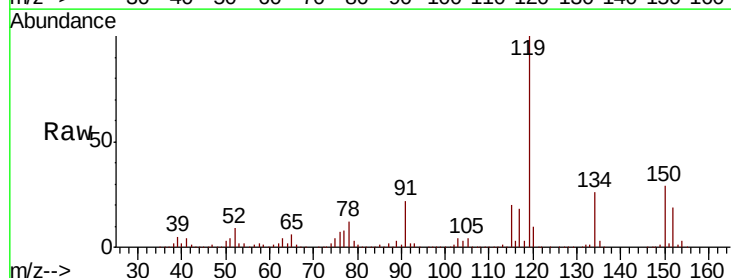
Tgt Ion:119 Resp: 315850

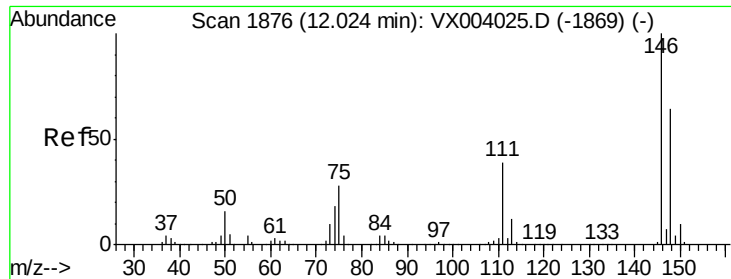
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.5 10.9 32.7





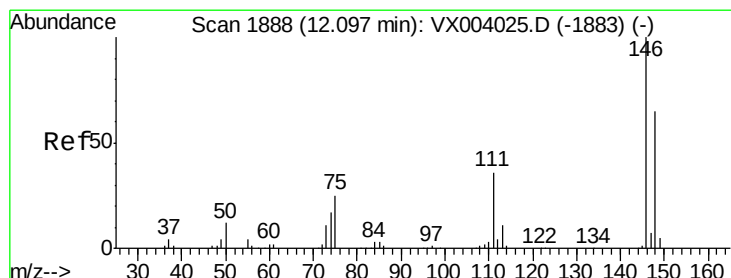
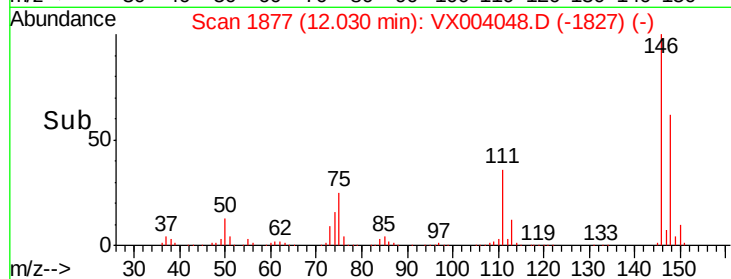
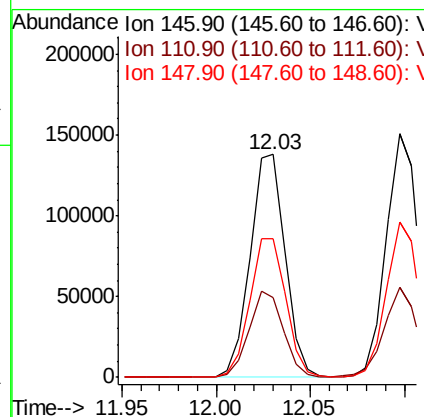
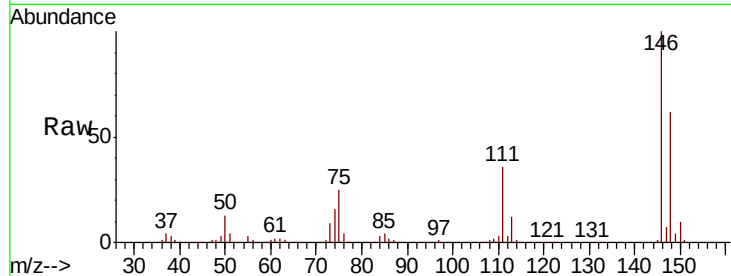
#87
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.9	31.9	95.5

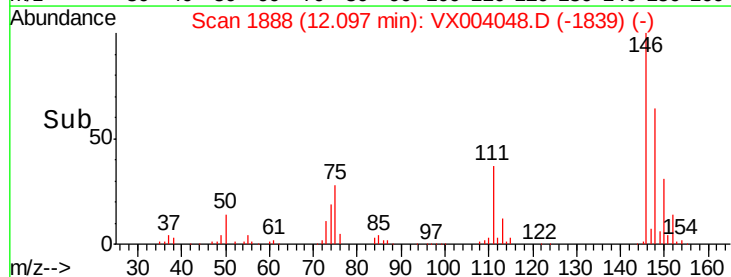
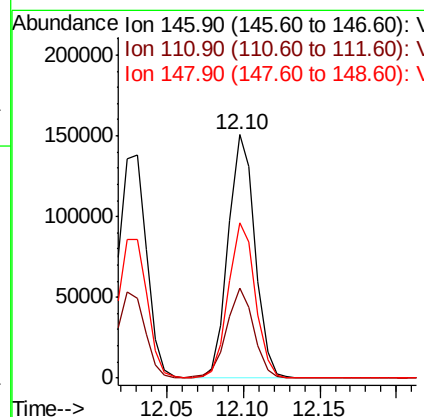
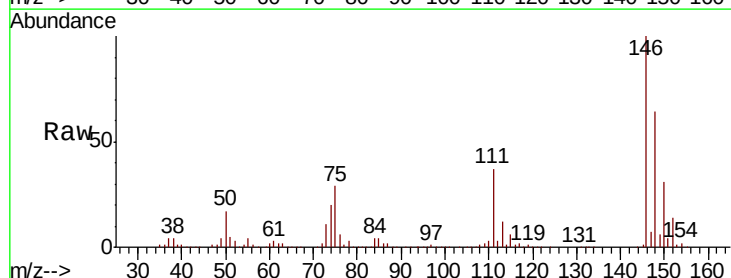
Manual Integrations
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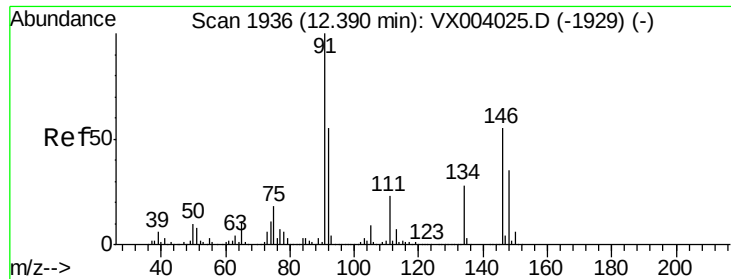
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 8/15/2018 4:49:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.35 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.0
148	64.4	32.3	96.8





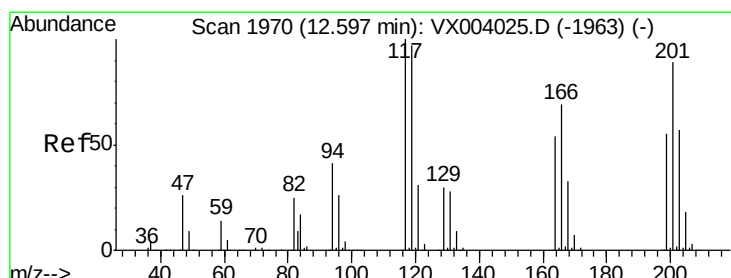
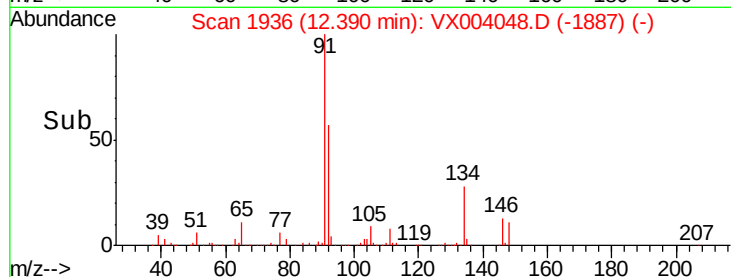
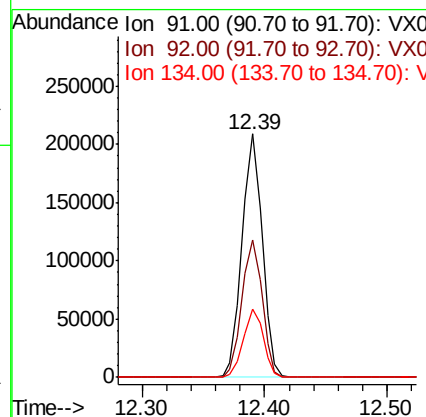
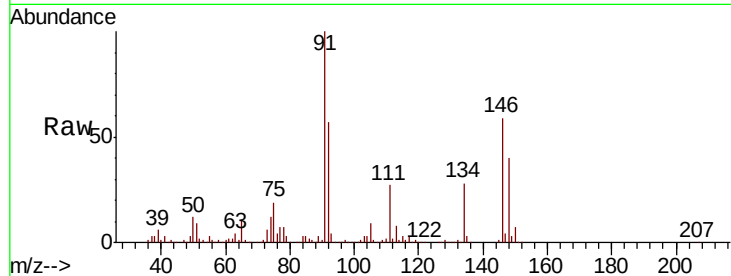
#89
n-Butylbenzene
Concen: 19.94 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	239059		
92	56.6		27.1	81.3
134	27.9		13.6	40.7

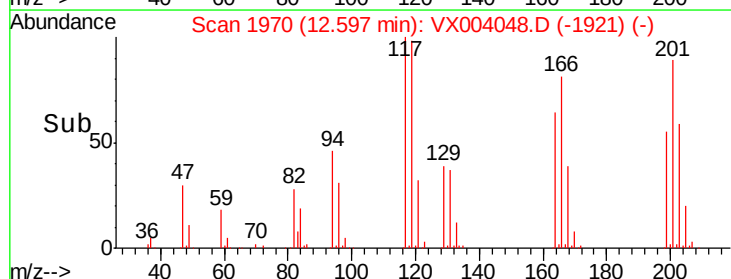
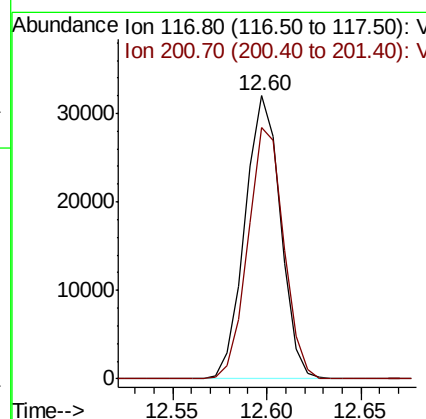
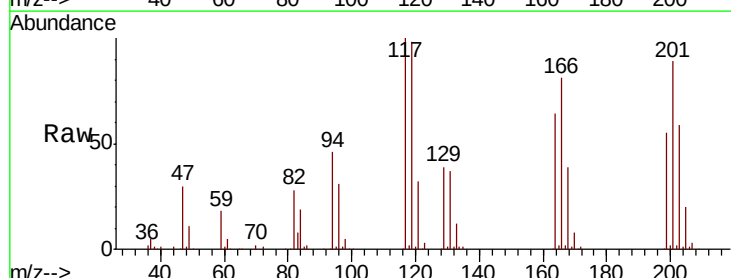
Manual Integrations
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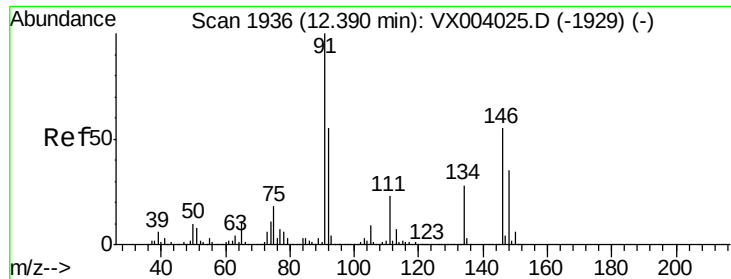
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8/15/2018 4:49:56 PM



#90
Hexachloroethane
Concen: 18.43 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41965		
201	89.1		46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 20.59 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBS02

Tot Ion:146 Resp: 169805

Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

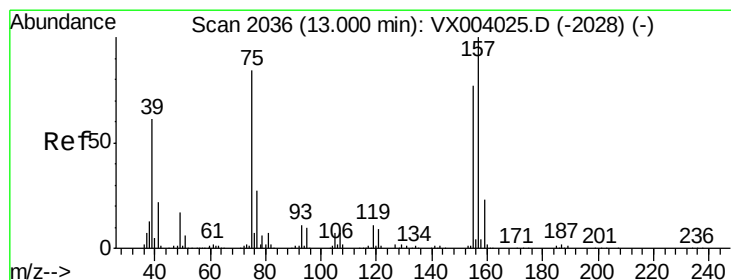
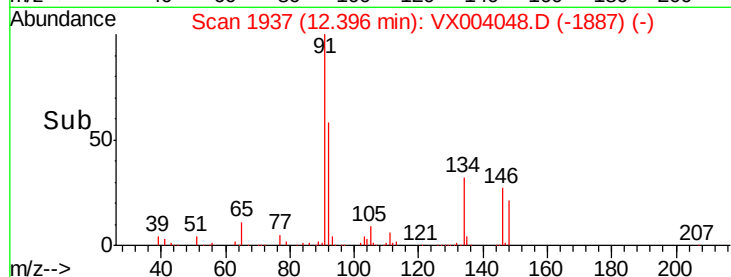
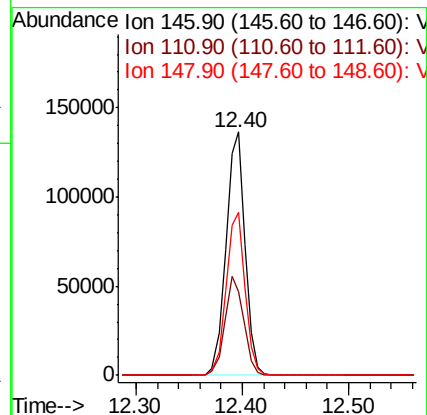
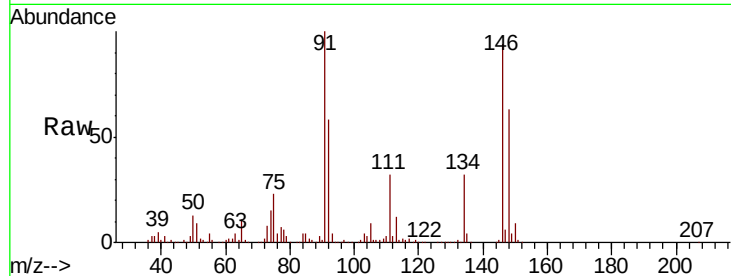
148 66.5 31.9 95.5

Manual Integrations

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8/15/2018 4:49:56 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.42 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004048.D

Acq: 15 Aug 2018 00:48

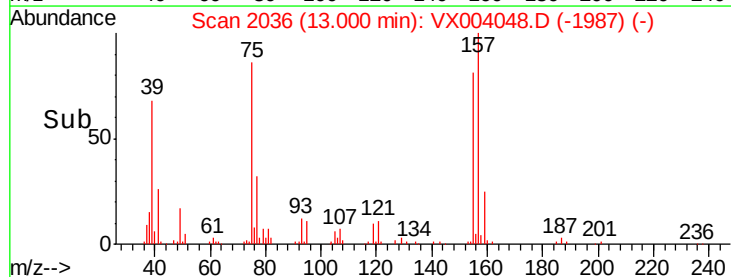
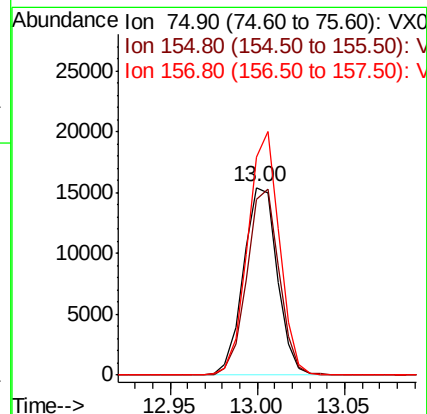
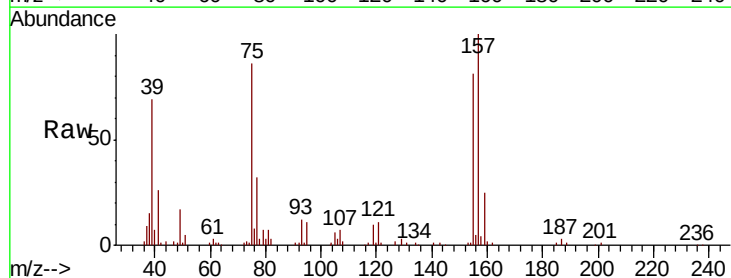
Tgt Ion: 75 Resp: 20738

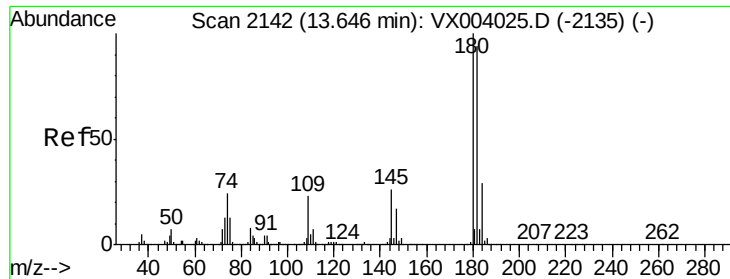
Ion Ratio Lower Upper

75 100

155 95.0 48.7 146.1

157 121.6 62.6 187.8





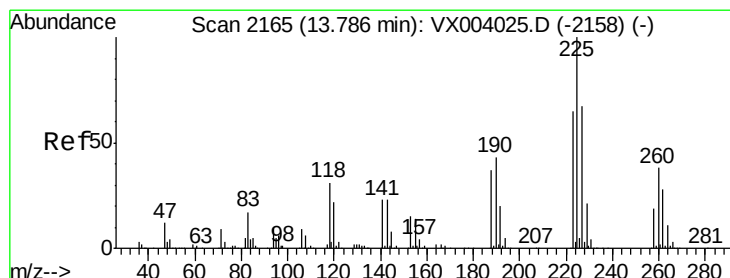
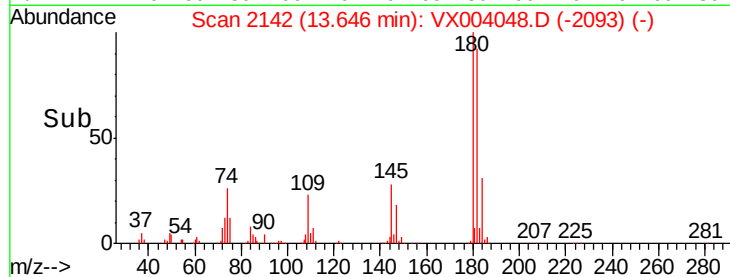
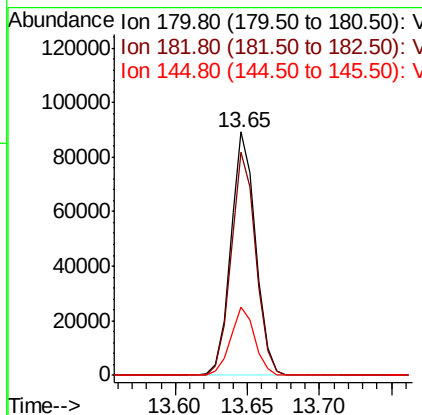
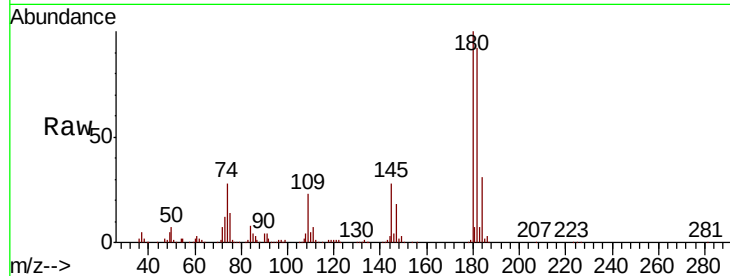
#93
 1,2,4-Trichlorobenzene
 Concen: 19.08 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107568		
182	91.6	47.7	143.1	
145	27.6	13.9	41.6	

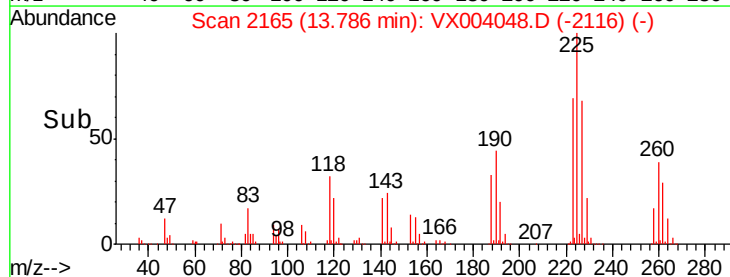
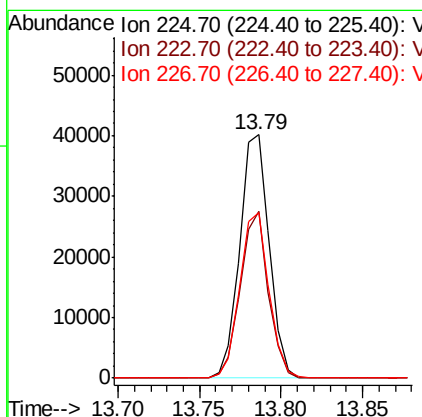
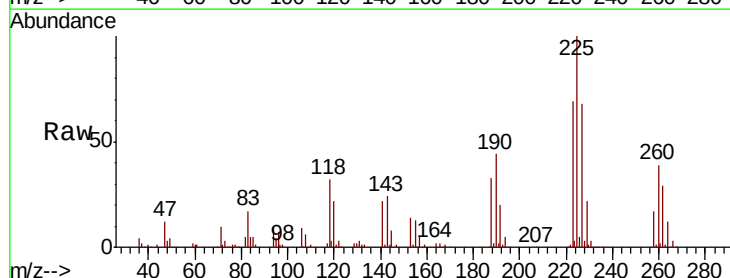
Manual Integrations
 APPROVED

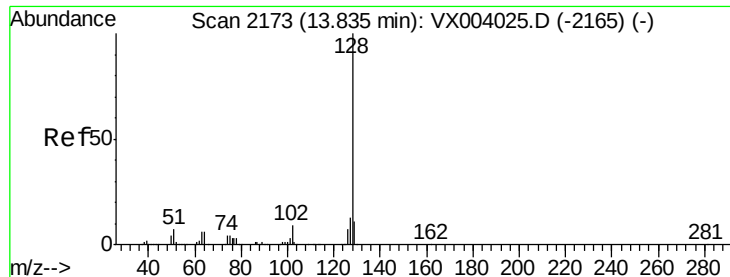
MMDadoda
 8/15/2018 4:49:56 PM



#94
 Hexachlorobutadiene
 Concen: 17.89 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004048.D
 Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50567		
223	65.0	31.4	94.0	
227	67.5	32.1	96.5	





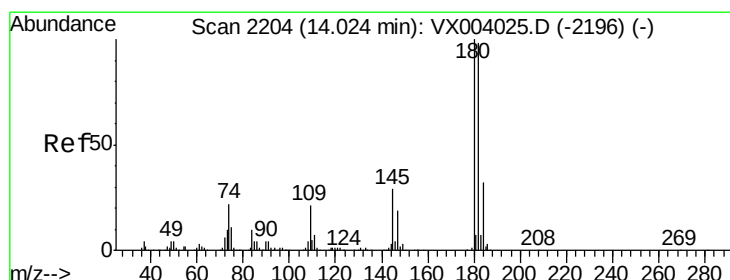
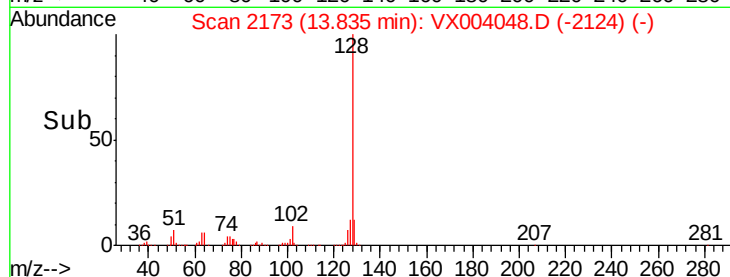
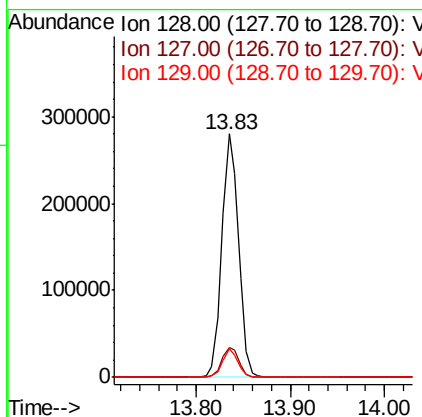
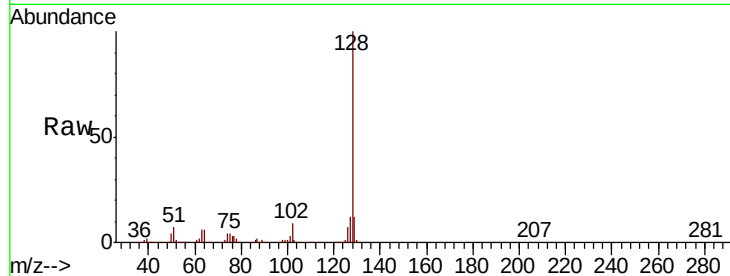
#95
Naphthalene
Concen: 19.84 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.35 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004048.D
Acq: 15 Aug 2018 00:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.1	144.4
145	29.1	14.9	44.7

