

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004821.D
 Acq On : 28 Sep 2018 15:12
 Operator : JC/MD
 Sample : VX0928MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928MBS01

Manual Integrations
 APPROVED

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 10/1/2018 1:31:28 PM

Quant Time: Sep 29 06:52:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164956	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	5.50	113	132548	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	
50) Toluene-d8	8.72	98	508192	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	184975	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	70736	21.891	ug/l	99
3) Chloromethane	1.32	50	77180	19.687	ug/l	99
4) Vinyl Chloride	1.40	62	77451	21.064	ug/l	99
5) Bromomethane	1.64	94	36485	16.733	ug/l	97
6) Chloroethane	1.71	64	44126	20.655	ug/l	98
7) Trichlorofluoromethane	1.93	101	96923	21.292	ug/l	96
8) Diethyl Ether	2.19	74	38946	19.694	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53834	20.762	ug/l	97
10) Methyl Iodide	2.51	142	39920	11.505	ug/l	99
11) Tert butyl alcohol	3.07	59	93838	99.131	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51703	20.134	ug/l	96
13) Acrolein	2.29	56	50957	75.660	ug/l	94
14) Allyl chloride	2.73	41	117327	20.940	ug/l	95
15) Acrylonitrile	3.15	53	212298	101.879	ug/l	99
16) Acetone	2.45	43	193892	98.099	ug/l	98
17) Carbon Disulfide	2.57	76	149817	19.416	ug/l	99
18) Methyl Acetate	2.78	43	110460	22.058	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	190790	21.540	ug/l	98
20) Methylene Chloride	2.85	84	60142	20.432	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	55668	19.803	ug/l	93
22) Diisopropyl ether	3.87	45	197366	20.919	ug/l	95
23) Vinyl Acetate	3.82	43	866060	100.282	ug/l	96
24) 1,1-Dichloroethane	3.69	63	105919	18.820	ug/l	97
25) 2-Butanone	4.70	43	287230	98.589	ug/l	94
26) 2,2-Dichloropropane	4.58	77	77058	19.662	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	60493	19.264	ug/l	93
28) Bromochloromethane	5.01	49	49981	18.859	ug/l	89
29) Tetrahydrofuran	5.15	42	186334	102.902	ug/l	92
30) Chloroform	5.21	83	102603	19.290	ug/l	94
31) Cyclohexane	5.57	56	91891	21.333	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	87095	20.050	ug/l	99
36) 1,1-Dichloropropene	5.80	75	75107	17.803	ug/l	99
37) Ethyl Acetate	4.85	43	101817	18.182	ug/l	97
38) Carbon Tetrachloride	5.78	117	74546	16.810	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84287	19.566	ug/l	94
40) Benzene	6.14	78	231936	17.561	ug/l	99
41) Methacrylonitrile	5.06	41	55959	18.019	ug/l	96
42) 1,2-Dichloroethane	6.20	62	82336	17.634	ug/l	98
43) Isopropyl Acetate	6.46	43	146066	18.071	ug/l	95
44) Trichloroethene	7.21	130	60499	18.633	ug/l	93
45) 1,2-Dichloropropane	7.52	63	64176	19.814	ug/l	99
46) Dibromomethane	7.66	93	39786	19.546	ug/l	97
47) Bromodichloromethane	7.90	83	74630	19.582	ug/l	100
48) Methyl methacrylate	7.77	41	77068	21.007	ug/l	93
49) 1,4-Dioxane	7.76	88	35087	384.965	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	532255	104.584	ug/l	93
52) Toluene	8.79	92	144214	19.871	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	80748	18.750	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	89974	19.946	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	59379	18.679	ug/l	94
56) Ethyl methacrylate	9.18	69	89418	19.204	ug/l	94
57) 1,3-Dichloropropane	9.37	76	100666	19.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	262340	104.561	ug/l	93
59) 2-Hexanone	9.50	43	416441	98.195	ug/l	93
60) Dibromochloromethane	9.59	129	57884	18.207	ug/l	100
61) 1,2-Dibromoethane	9.68	107	60695	17.828	ug/l	100
64) Tetrachloroethene	9.34	164	58508	17.240	ug/l	98
65) Chlorobenzene	10.14	112	158437	17.918	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	55767	17.940	ug/l	99
67) Ethyl Benzene	10.26	91	266534	18.987	ug/l	99
68) m/p-Xylenes	10.36	106	208469	38.003	ug/l	94
69) o-Xylene	10.70	106	98680	19.585	ug/l	96
70) Styrene	10.71	104	166722	19.075	ug/l	97
71) Bromoform	10.86	173	46451	17.454	ug/l #	100
73) Isopropylbenzene	11.02	105	268928	20.705	ug/l	99
74) N-amyl acetate	10.90	43	127450	18.976	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	97816	18.500	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87514m	18.948	ug/l	
77) Bromobenzene	11.26	156	72554	19.231	ug/l	96
78) n-propylbenzene	11.36	91	306019	20.534	ug/l	99
79) 2-Chlorotoluene	11.42	91	187028	20.134	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	226999	18.945	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	25200	16.277	ug/l	95
82) 4-Chlorotoluene	11.51	91	219979	20.119	ug/l	98
83) tert-Butylbenzene	11.77	119	218832	20.463	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	233804	18.921	ug/l	98
85) sec-Butylbenzene	11.94	105	269521	20.691	ug/l	98
86) p-Isopropyltoluene	12.07	119	239863	20.325	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	133874	19.003	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	134447	18.488	ug/l	97
89) n-Butylbenzene	12.39	91	208256	19.431	ug/l	97
90) Hexachloroethane	12.60	117	37087	18.875	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	132517	18.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22067	19.008	ug/l	94

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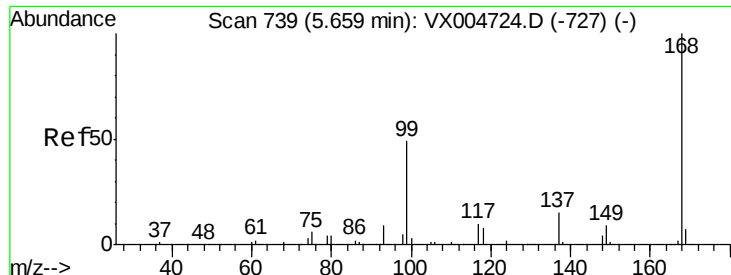
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96190	18.626	ug/l	98
94) Hexachlorobutadiene	13.79	225	46906	17.515	ug/l	97
95) Naphthalene	13.83	128	301769	18.071	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	98800	18.520	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion:168 Resp: 236993

Ion Ratio Lower Upper

168 100

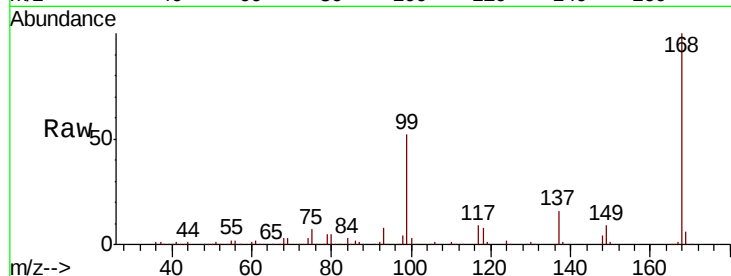
99 51.6 39.9 59.9

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

80000

60000

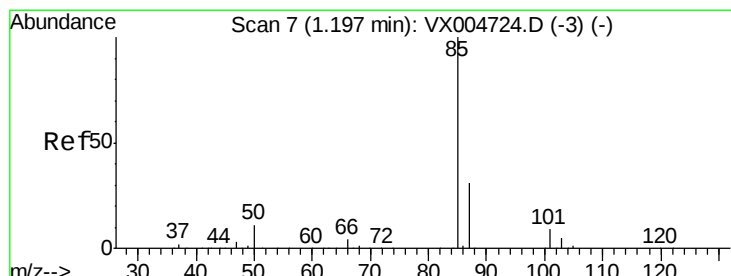
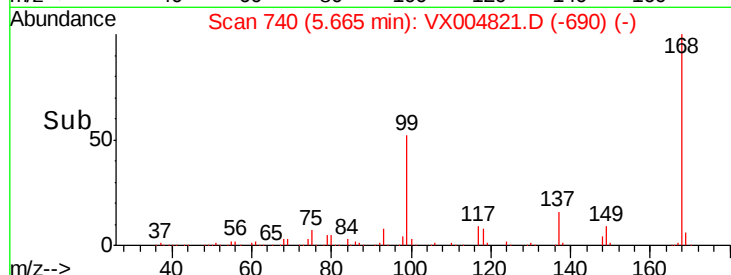
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.891 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004821.D

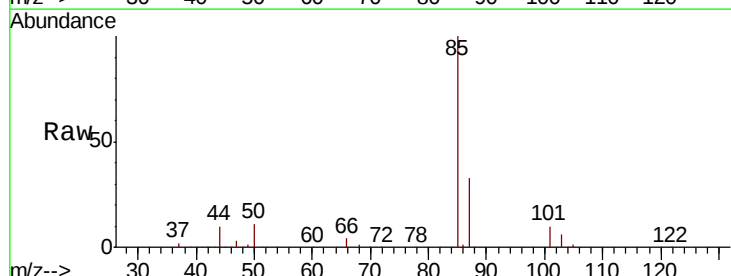
Acq: 28 Sep 2018 15:12

Tgt Ion: 85 Resp: 70736

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

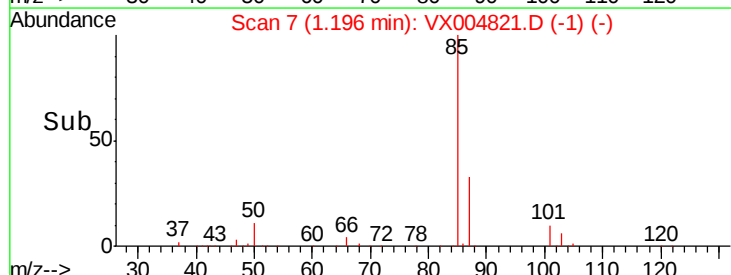
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20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.687 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 50 Resp: 77180

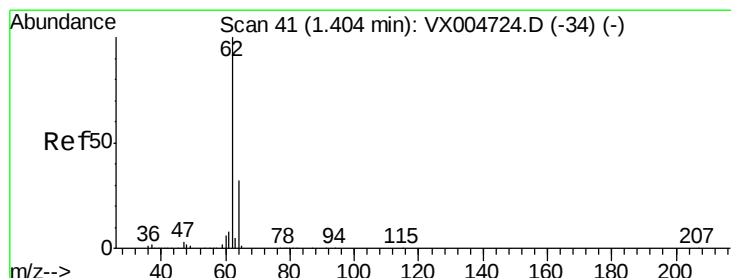
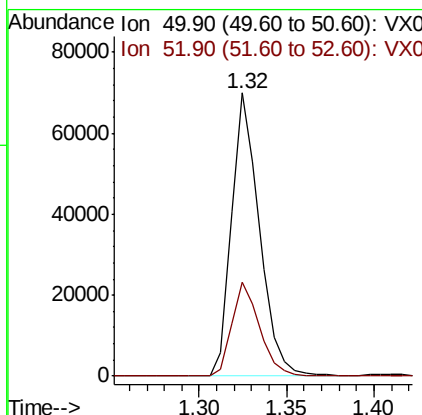
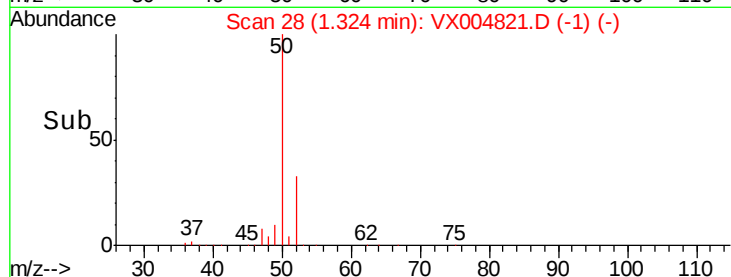
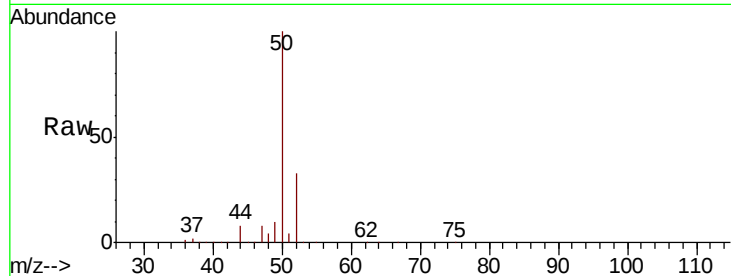
Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 21.064 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004821.D

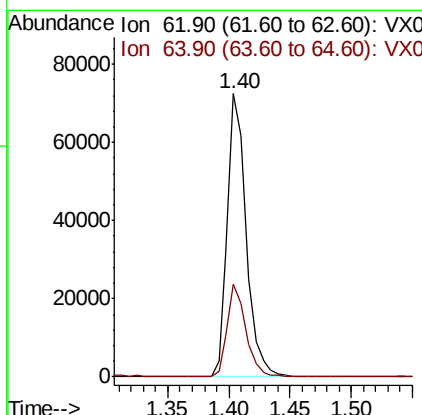
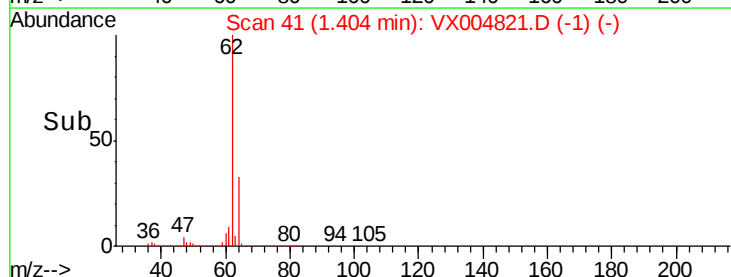
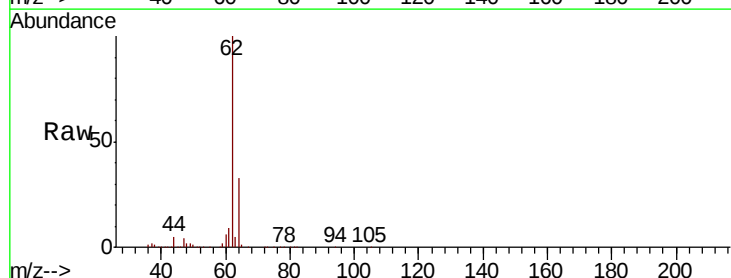
Acq: 28 Sep 2018 15:12

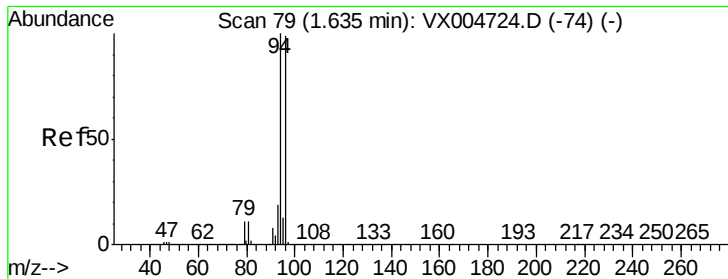
Tgt Ion: 62 Resp: 77451

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 16.733 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 94 Resp: 36485

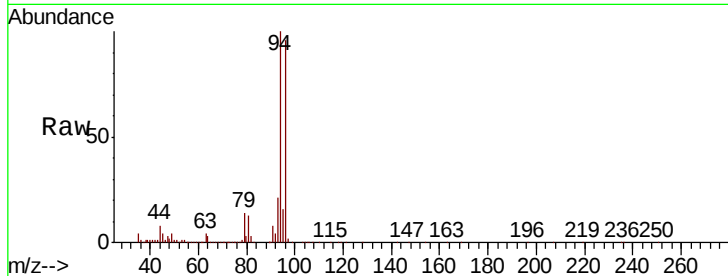
Ion Ratio Lower Upper

94 100

96 96.0 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

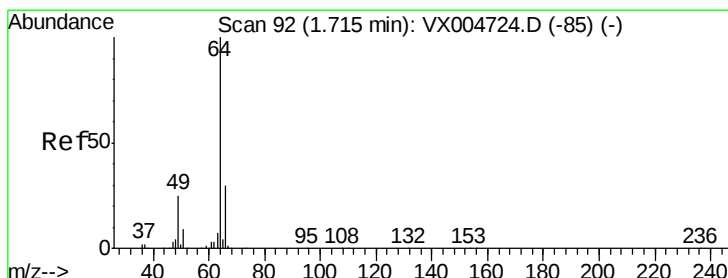
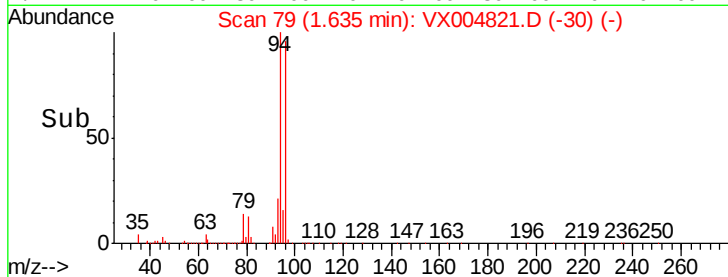
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.655 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004821.D

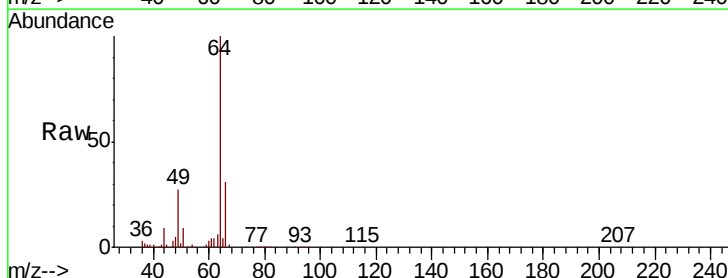
Acq: 28 Sep 2018 15:12

Tgt Ion: 64 Resp: 44126

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

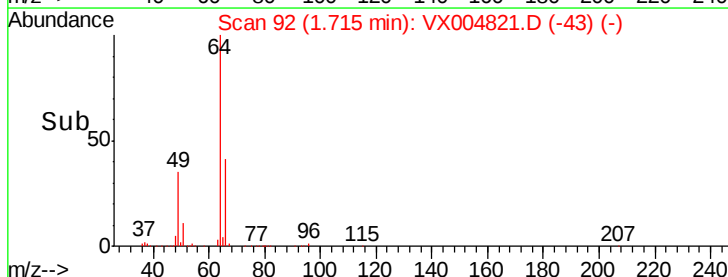
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10000

0

Time-->





#7

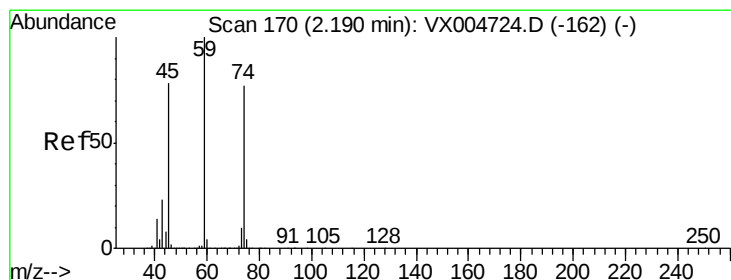
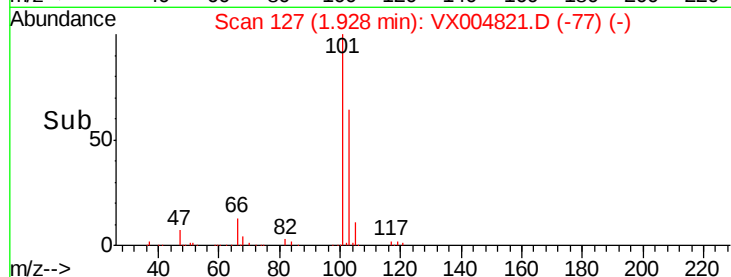
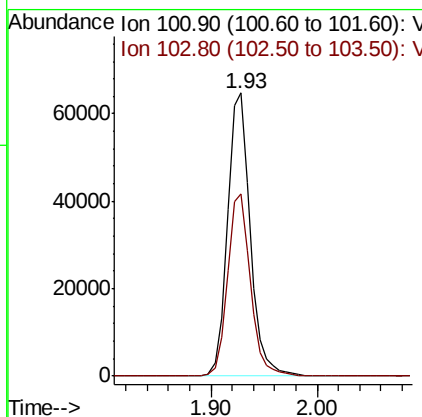
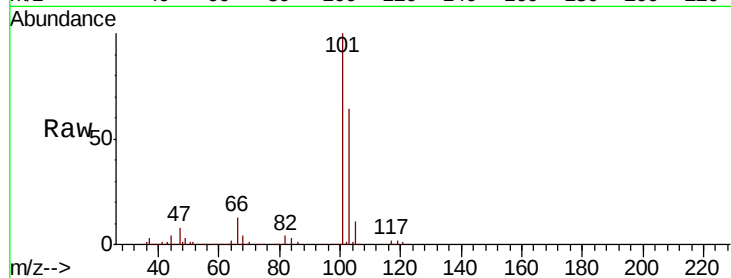
Trichlorofluoromethane
Concen: 21.292 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004821.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	96923		
103	64.4	48.9	73.3	

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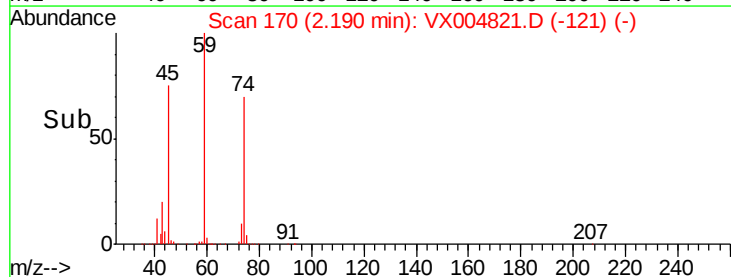
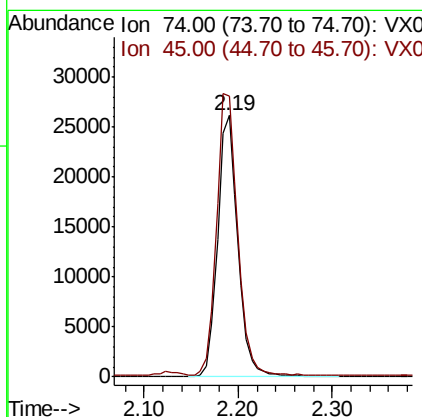
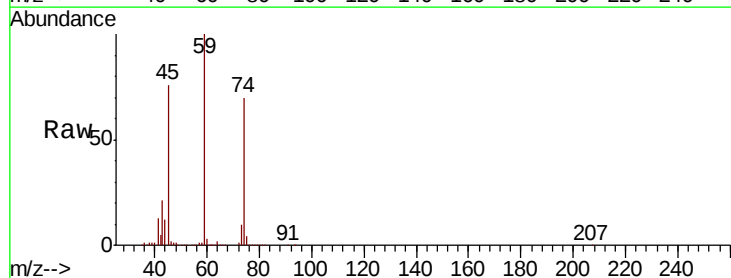
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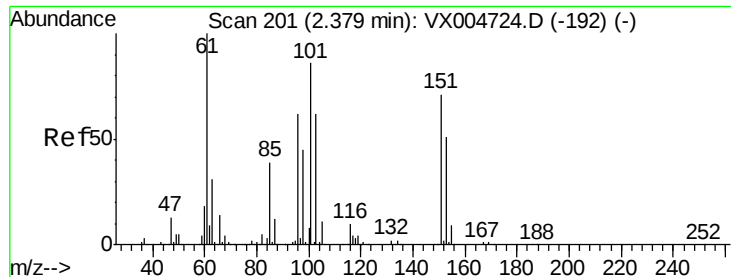


#8

Diethyl Ether
Concen: 19.694 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38946		
45	110.7	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.762 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

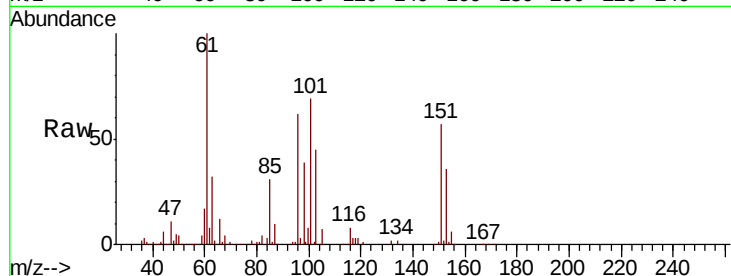
ClientSampleId :

VX0928MBS01

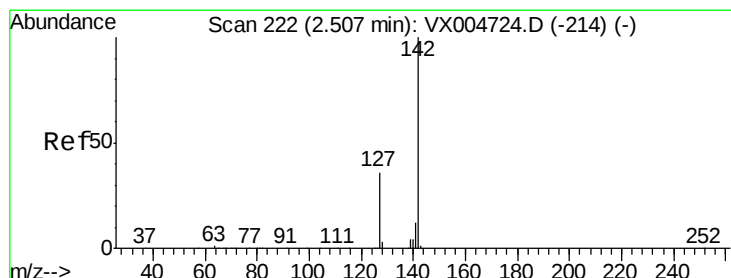
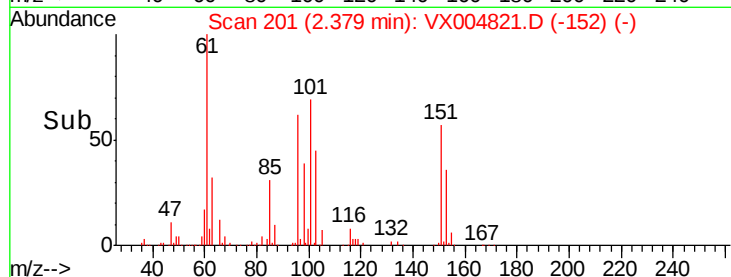
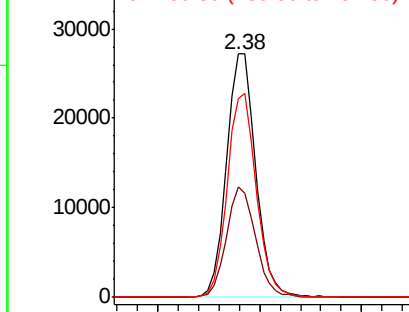
Tot Ion:	101	Resp:	53834
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.2	51.4
151	83.2	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.505 ug/l

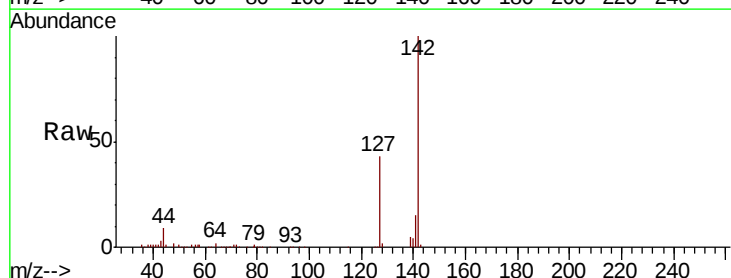
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

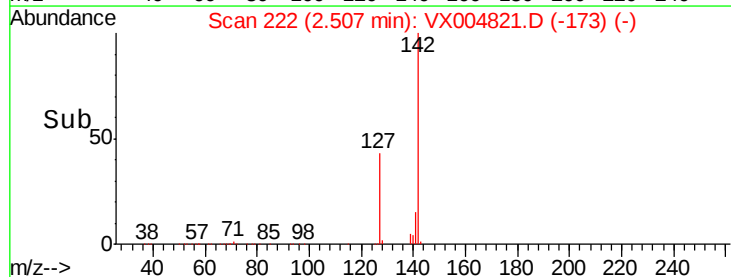
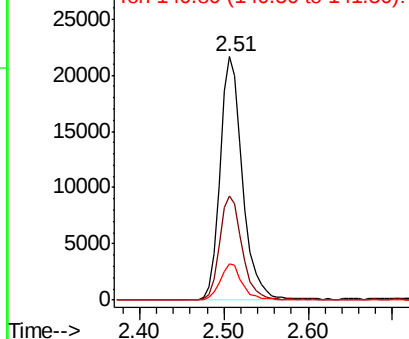
Lab File: VX004821.D

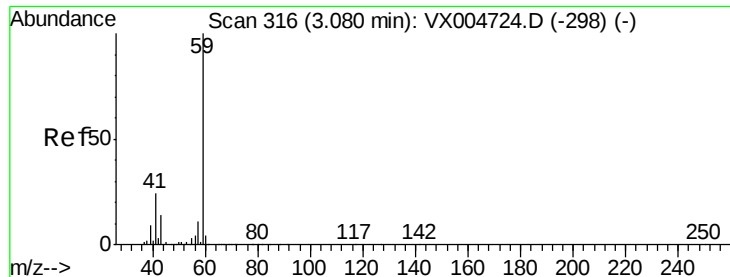
Acq: 28 Sep 2018 15:12

Tgt Ion:	142	Resp:	39920
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.8	50.6
141	14.4	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

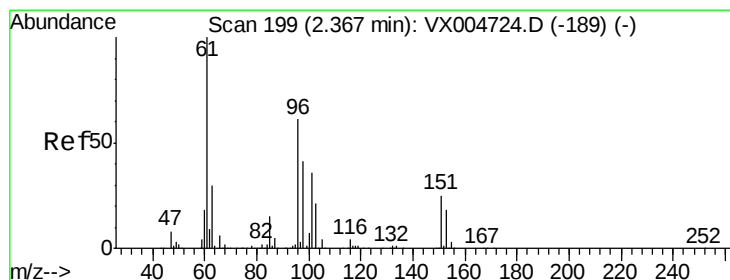
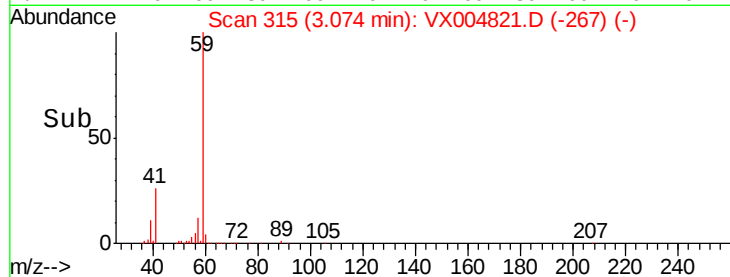
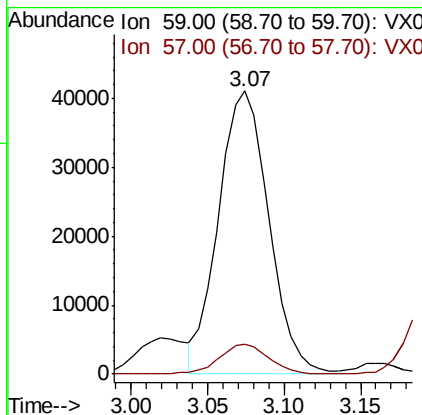
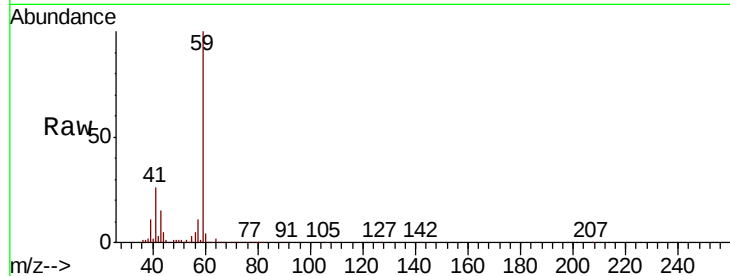
Tert butyl alcohol
 Concen: 99.131 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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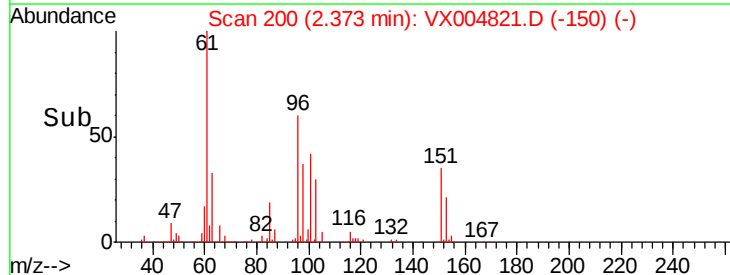
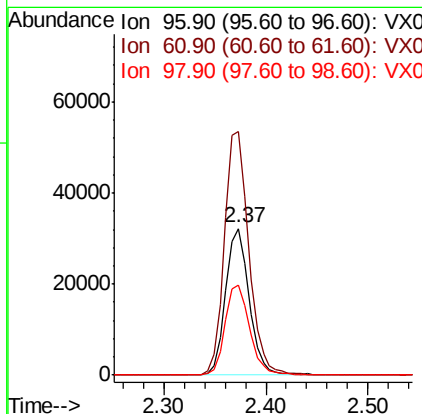
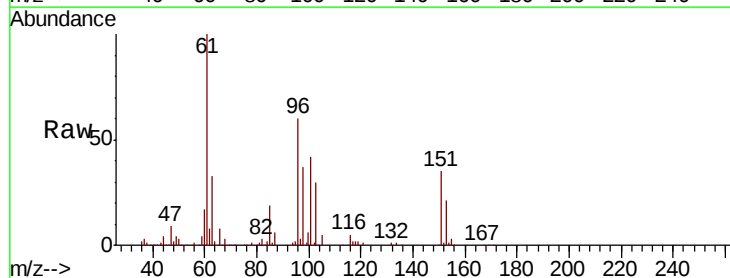
MMDadoda
 10/1/2018 1:31:28 PM



#12

1,1-Dichloroethene
 Concen: 20.134 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	128.8	193.2
98	61.7	52.2	78.2





#13

Acrolein

Concen: 75.660 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 56 Resp: 50957

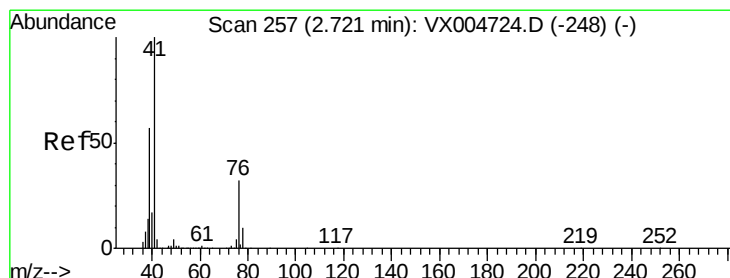
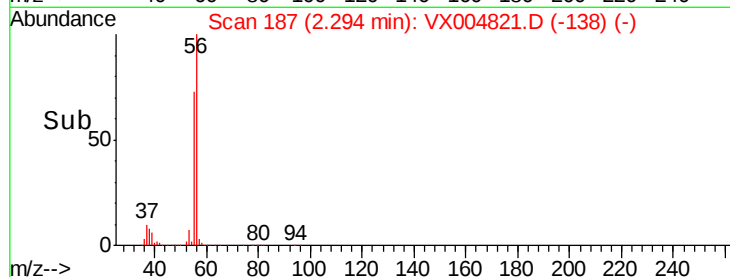
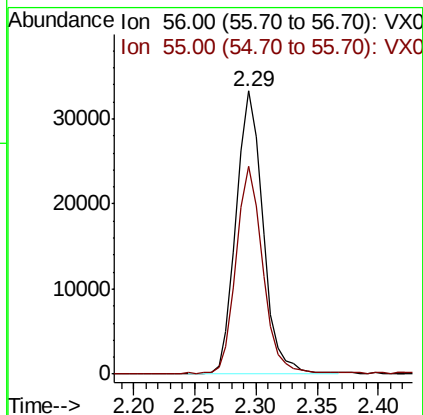
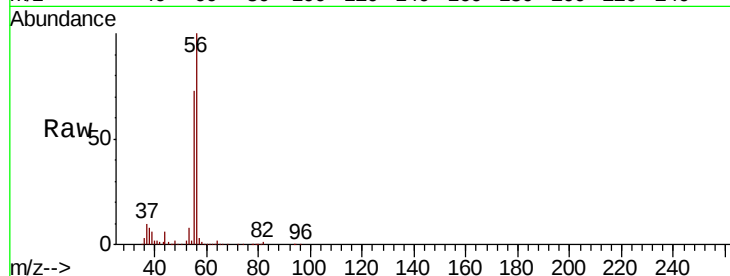
Ion Ratio Lower Upper

56 100

55 73.3 54.7 82.1

Manual Integrations
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#14

Allyl chloride

Concen: 20.940 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

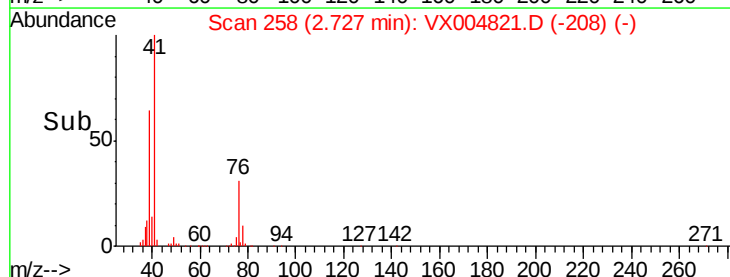
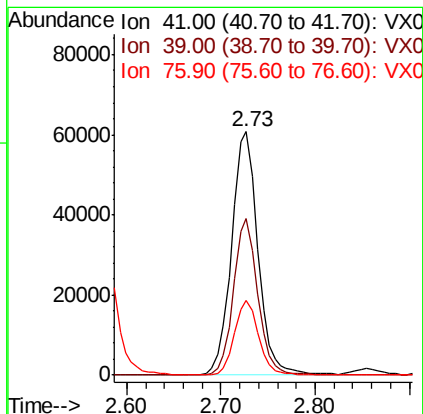
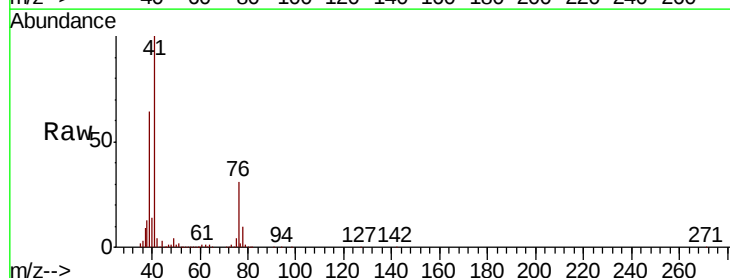
Tgt Ion: 41 Resp: 117327

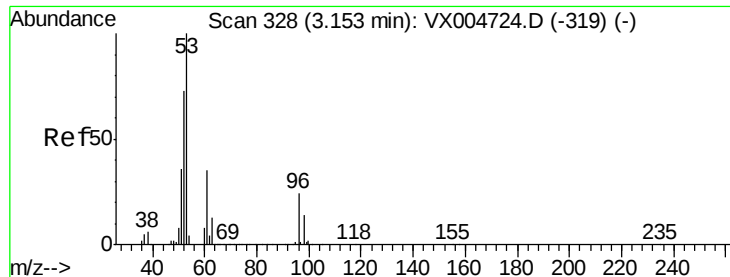
Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

76 28.6 26.7 40.1





#15

Acrylonitrile

Concen: 101.879 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

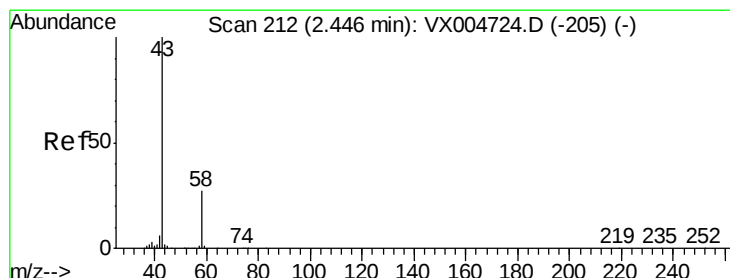
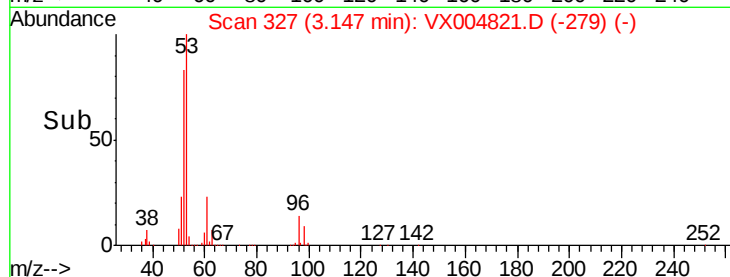
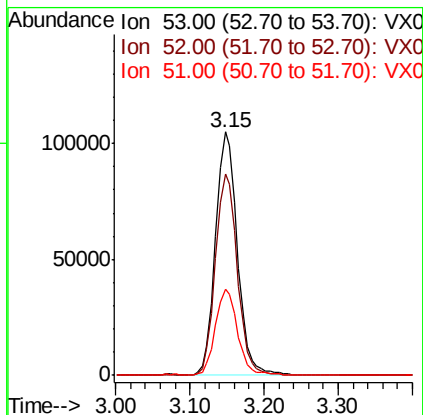
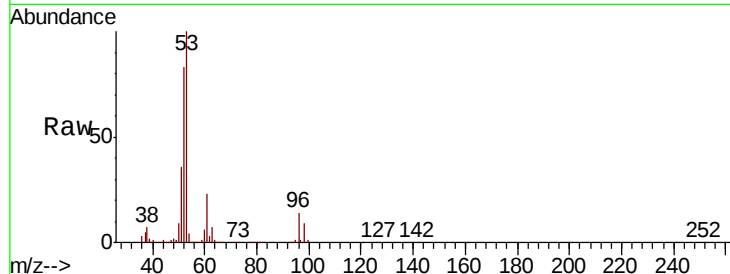
ClientSampleId :

VX0928MBS01

Tot Ion:	53	Resp:	212298
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.2	97.8
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 98.099 ug/l

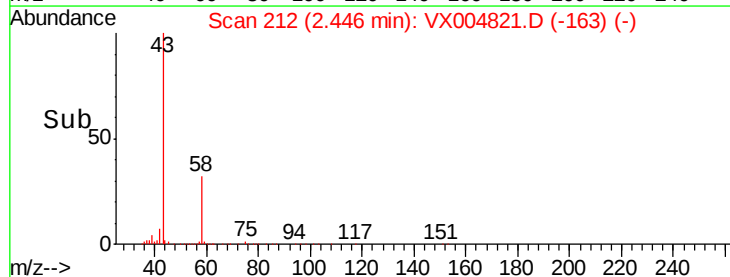
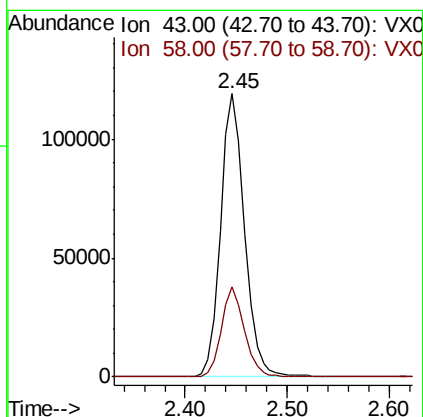
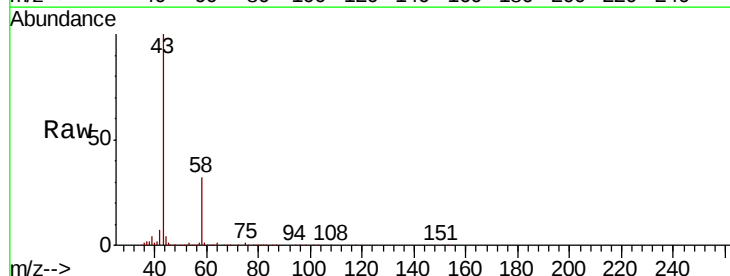
RT: 2.45 min Scan# 212

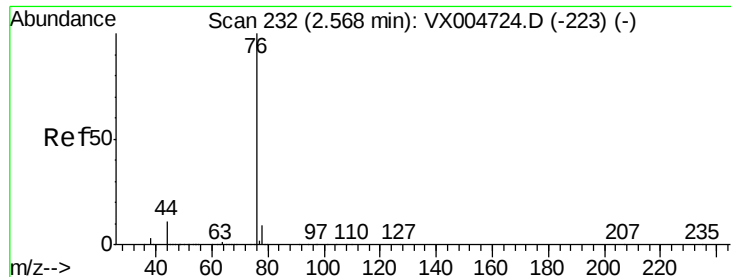
Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion:	43	Resp:	193892
Ion Ratio	Lower	Upper	
43	100		
58	31.8	26.2	39.4





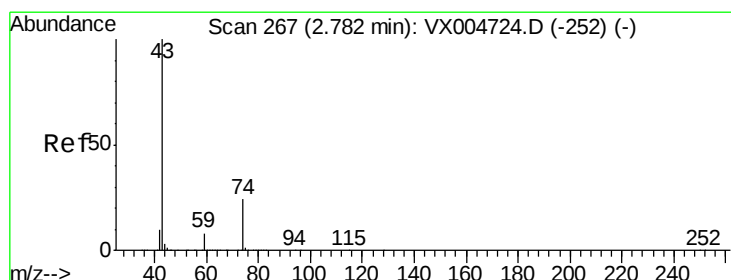
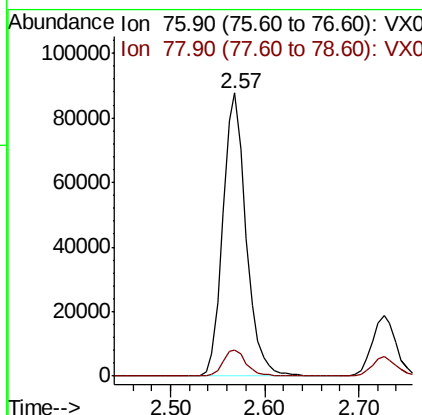
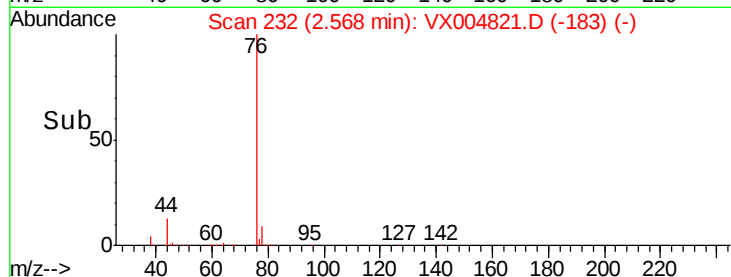
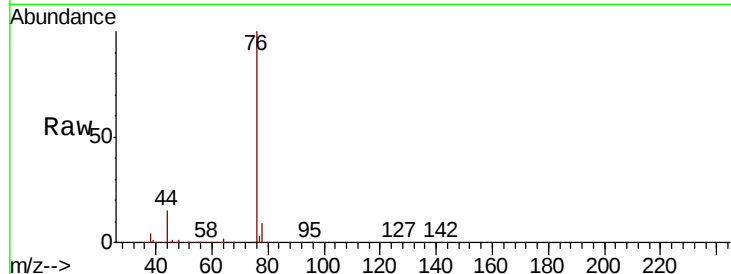
#17
Carbon Disulfide
Concen: 19.416 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

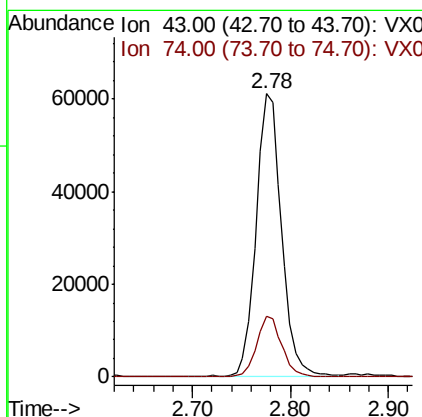
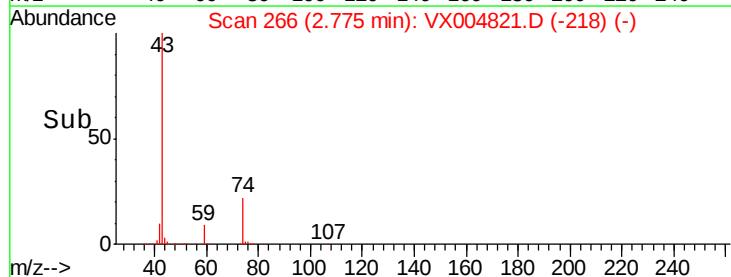
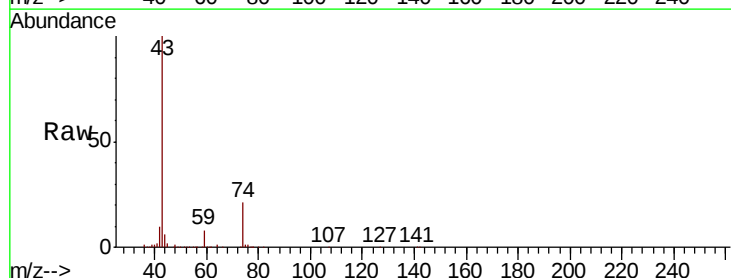
Manual Integrations
APPROVED

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10/1/2018 1:31:28 PM



#18
Methyl Acetate
Concen: 22.058 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.4	29.2





#19

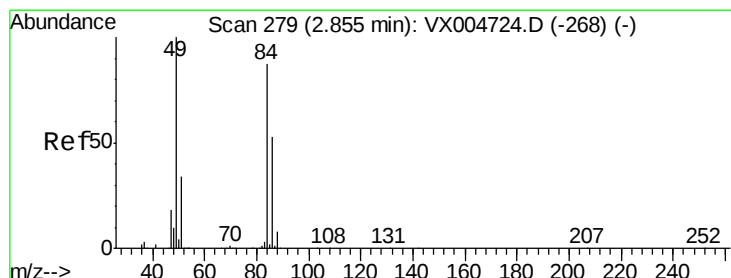
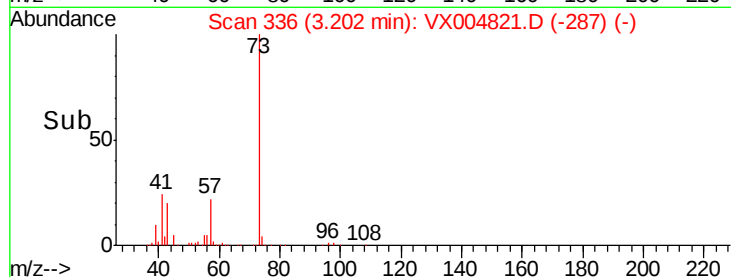
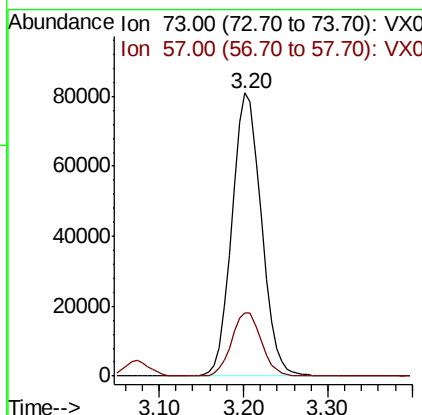
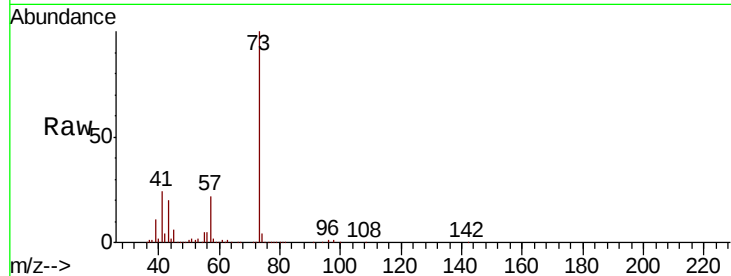
Methyl tert-butyl Ether
 Concen: 21.540 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.1	25.7

Manual Integrations
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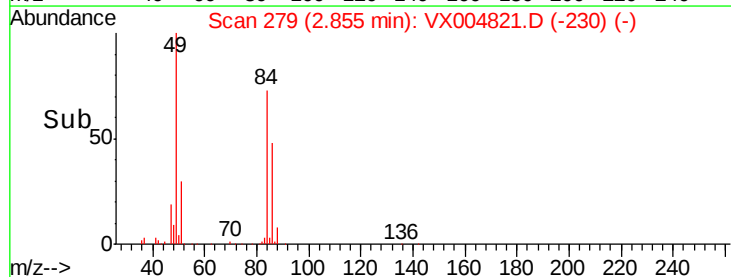
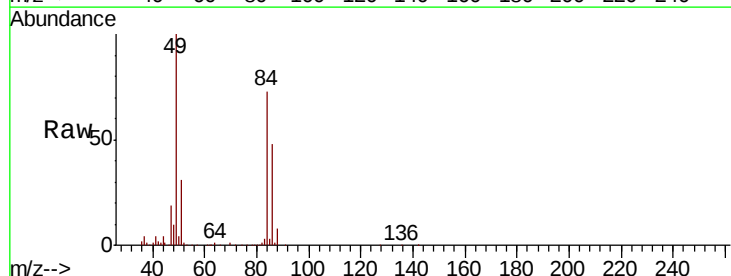
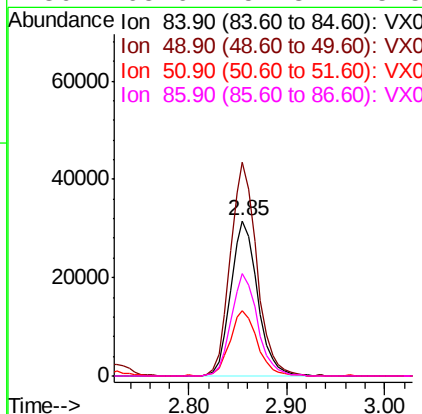
MMDadoda
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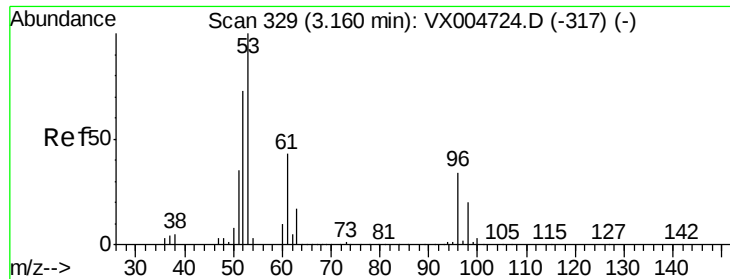


#20

Methylene Chloride
 Concen: 20.432 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	101.2	151.8
51	41.7	29.5	44.3
86	65.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.803 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 96 Resp: 55668

Ion Ratio Lower Upper

96 100

61 153.7 113.8 170.6

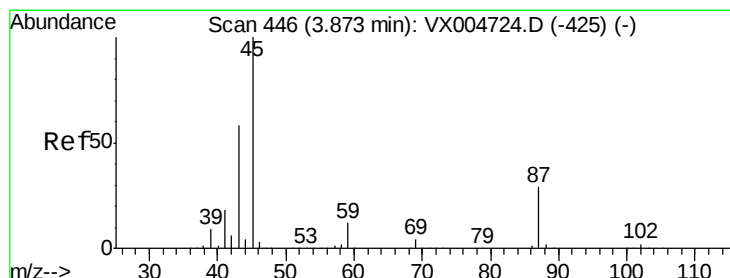
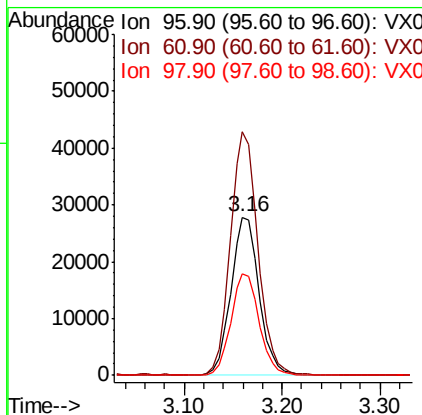
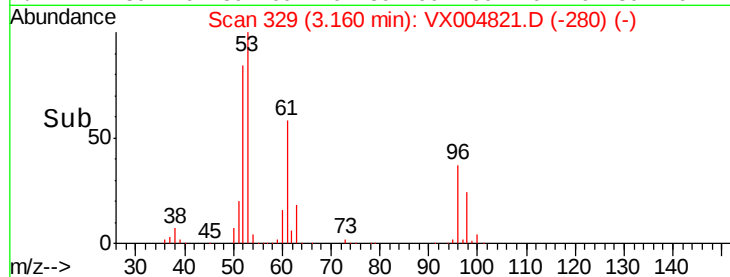
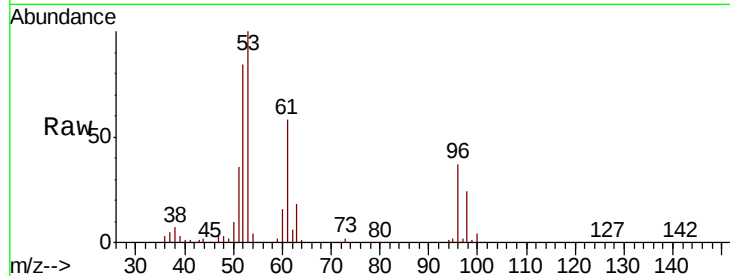
98 64.0 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.919 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion: 45 Resp: 197366

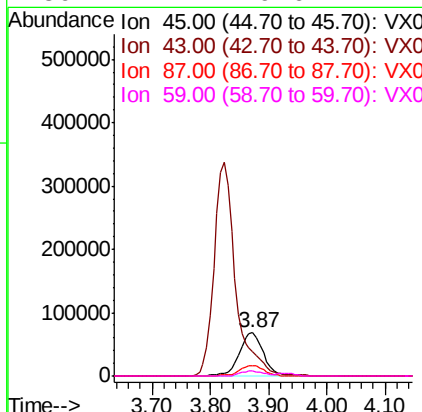
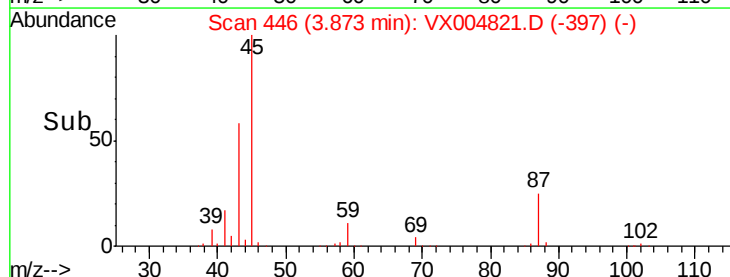
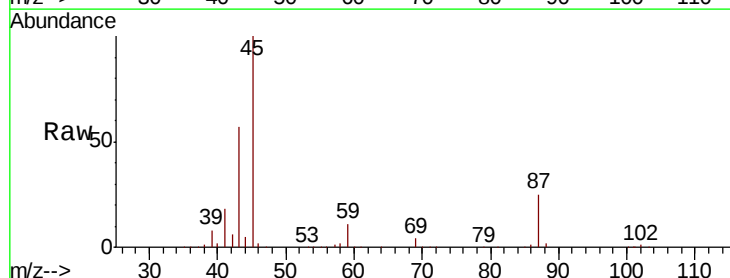
Ion Ratio Lower Upper

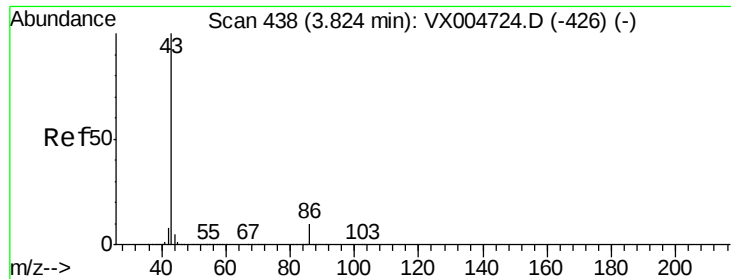
45 100

43 57.4 42.8 64.2

87 25.1 22.6 34.0

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 100.282 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 43 Resp: 866060

Ion Ratio Lower Upper

43 100

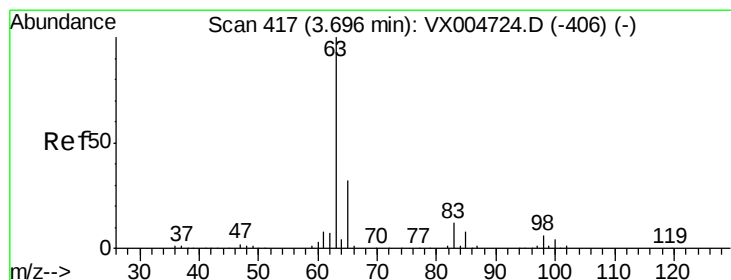
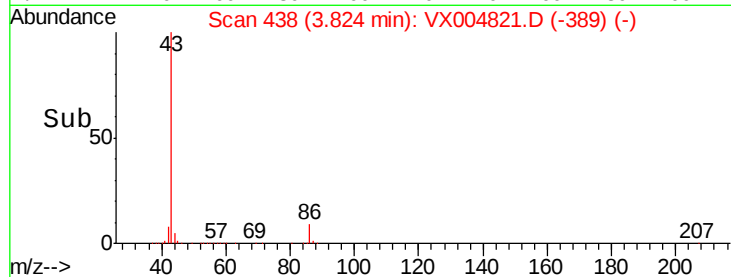
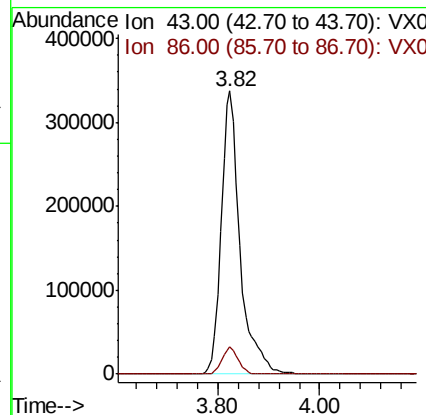
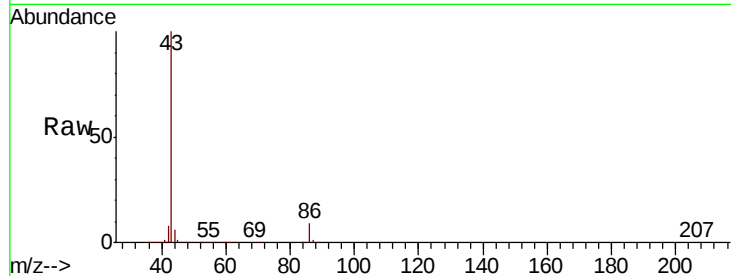
86 9.5 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.820 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

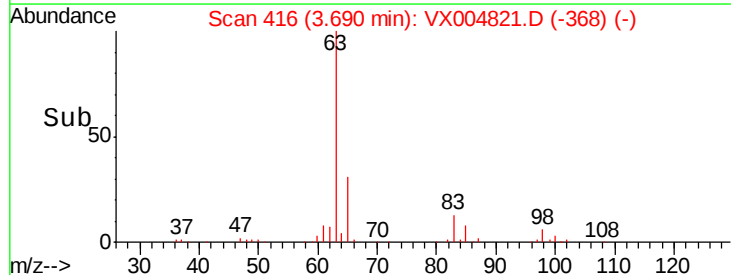
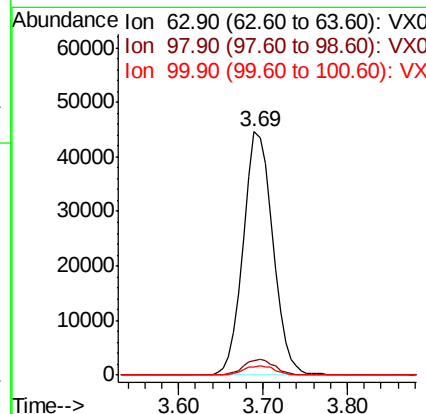
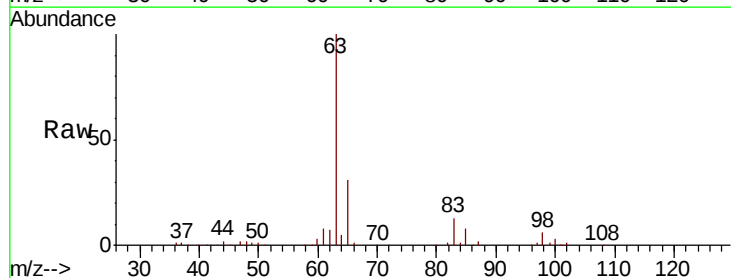
Tgt Ion: 63 Resp: 105919

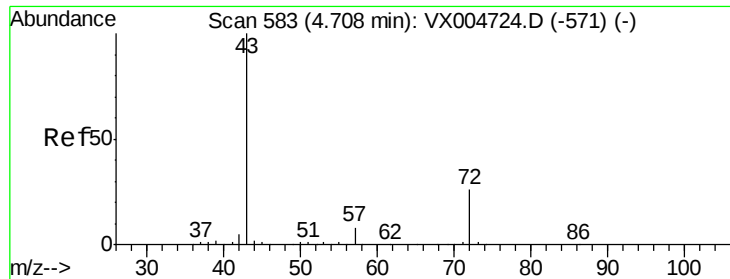
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

100 3.4 2.4 7.1





#25

2-Butanone

Concen: 98.589 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX0928MBS01

Tot Ion: 43 Resp: 287230

Ion Ratio Lower Upper

43 100

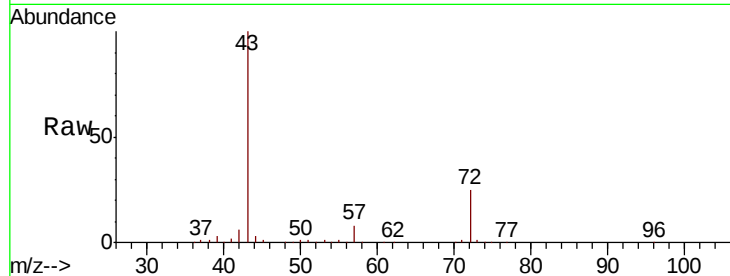
72 24.4 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

100000

80000

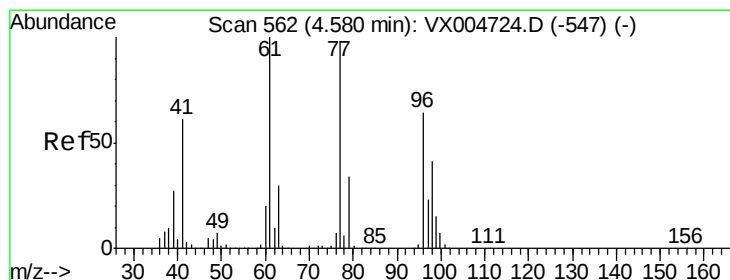
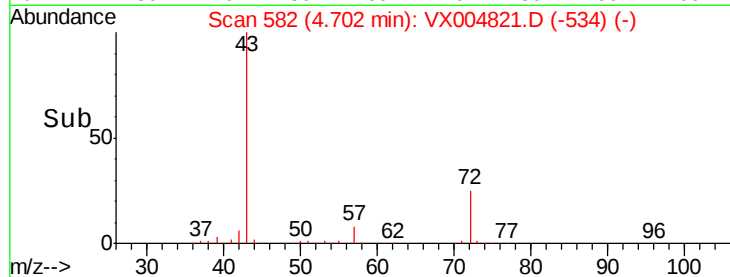
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.662 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004821.D

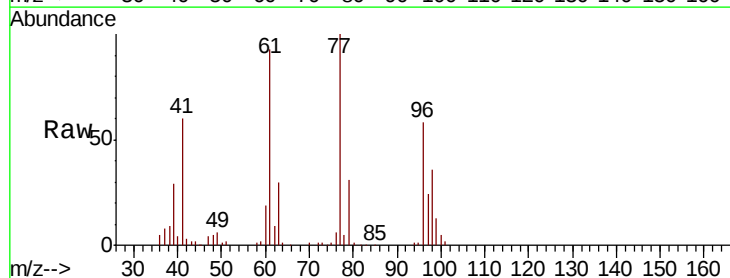
Acq: 28 Sep 2018 15:12

Tgt Ion: 77 Resp: 77058

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

30000

25000

20000

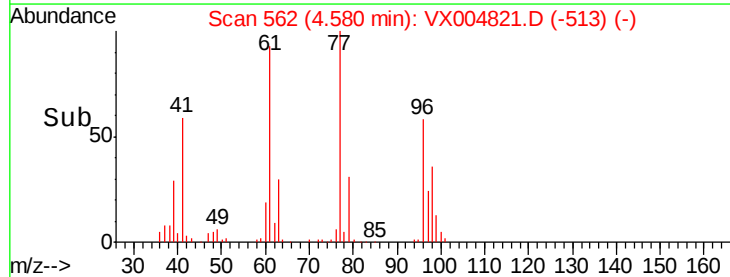
15000

10000

5000

0

Time-->





#27

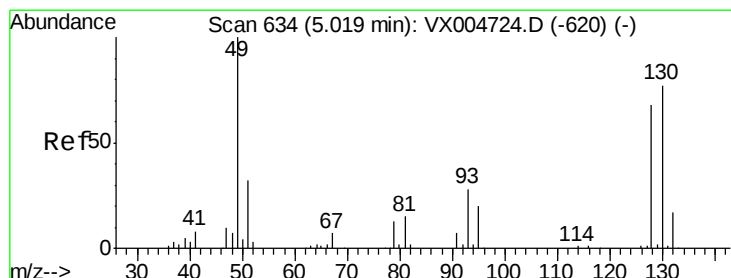
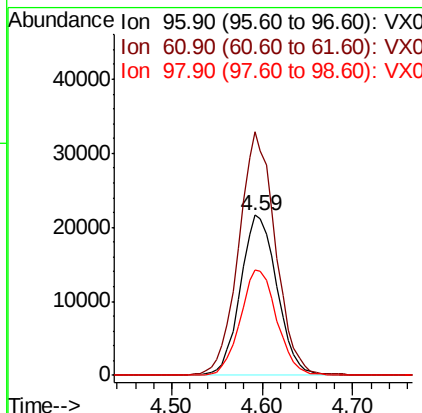
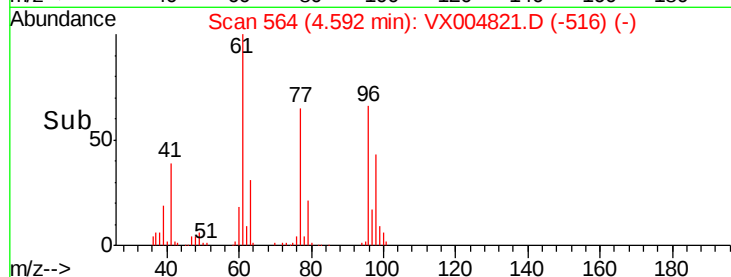
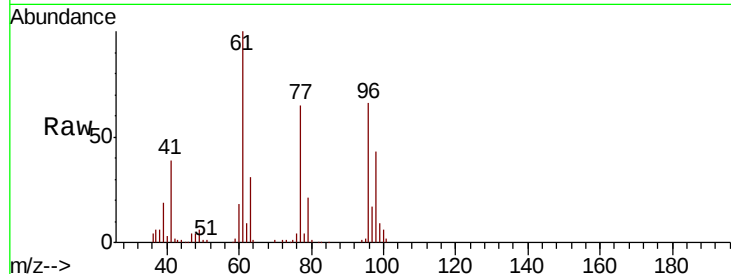
cis-1,2-Dichloroethene
Concen: 19.264 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	282.6
98	65.5	0.0	130.2

Manual Integrations
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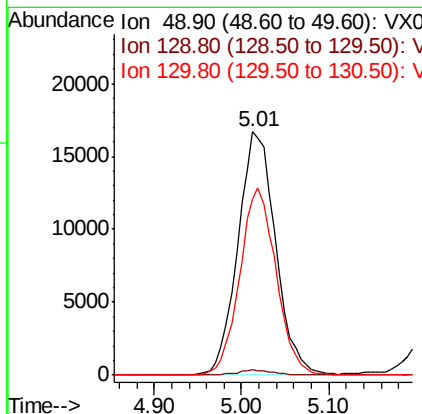
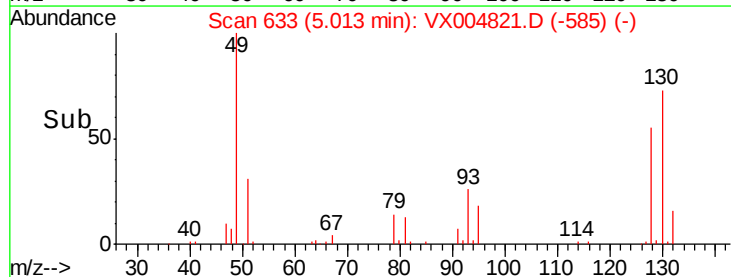
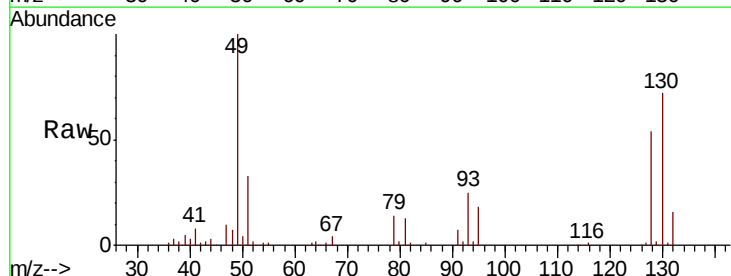
MMDadoda
10/1/2018 1:31:28 PM

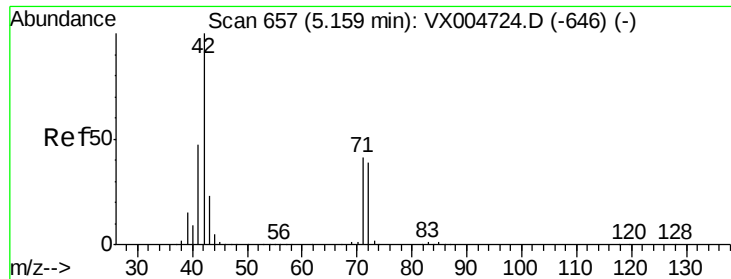


#28

Bromochloromethane
Concen: 18.859 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	74.0	67.5	101.3





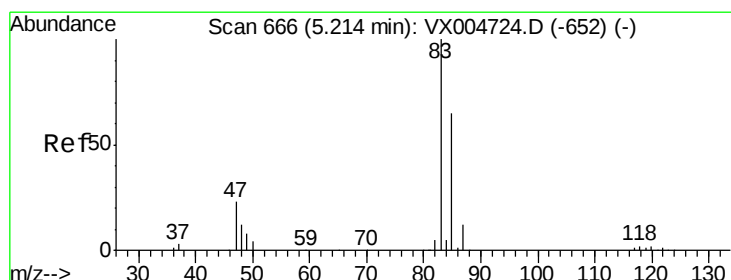
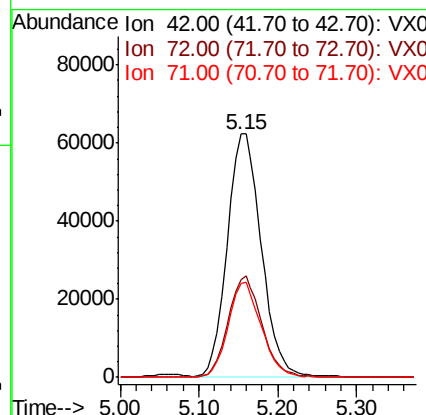
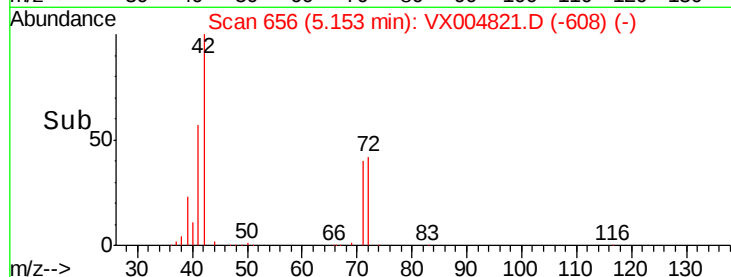
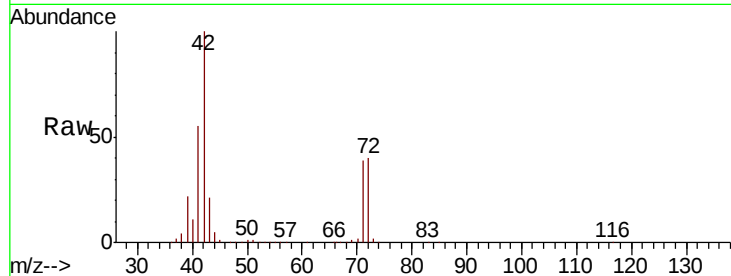
#29
Tetrahydrofuran
Concen: 102.902 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.0
71	38.1	34.5	51.7

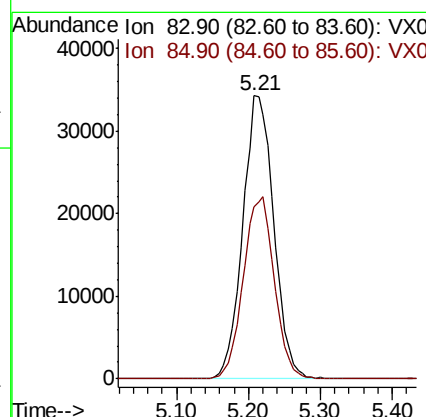
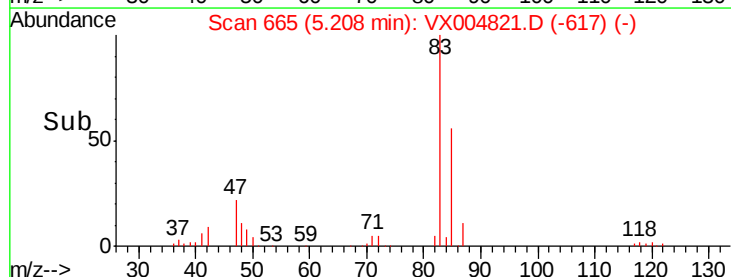
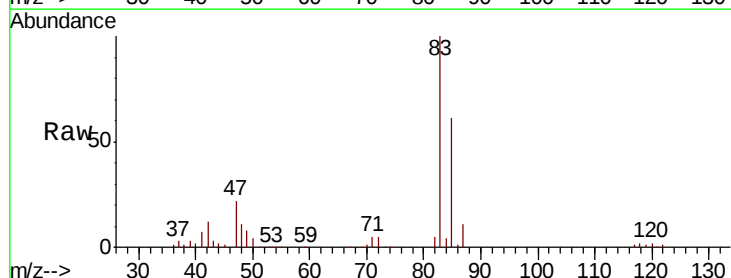
Manual Integrations
APPROVED

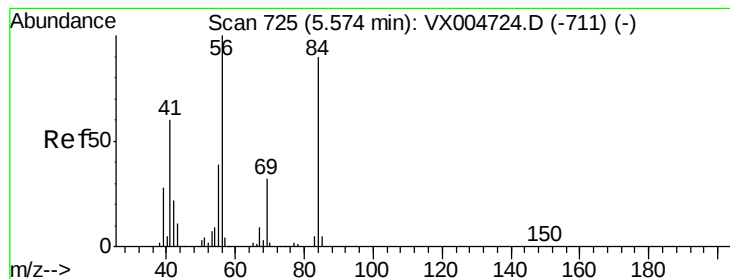
MMDadoda
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#30
Chloroform
Concen: 19.290 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.6	79.0





#31

Cyclohexane

Concen: 21.333 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 56 Resp: 91891

Ion Ratio Lower Upper

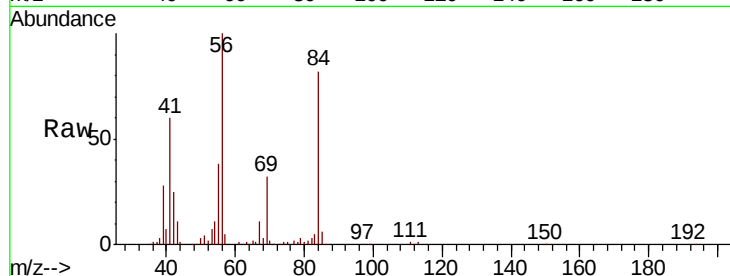
56 100

69 31.7 25.4 38.2

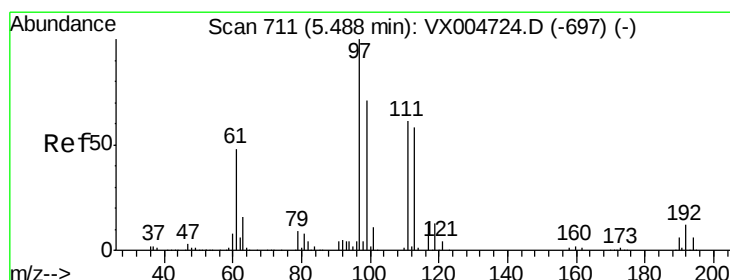
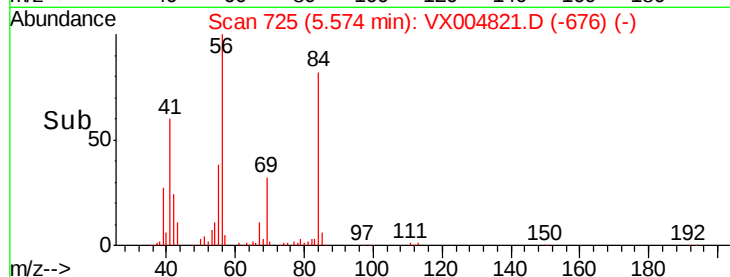
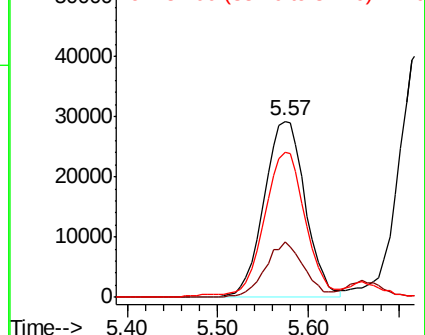
84 81.1 71.4 107.2

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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: 20.050 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

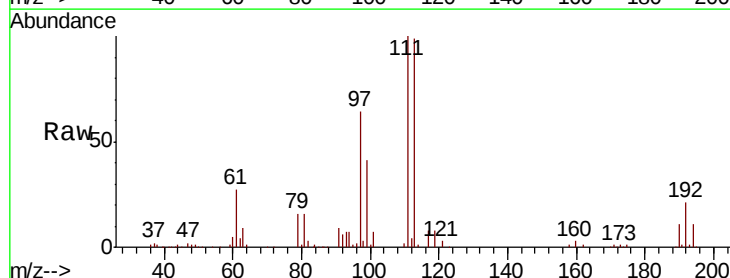
Tgt Ion: 97 Resp: 87095

Ion Ratio Lower Upper

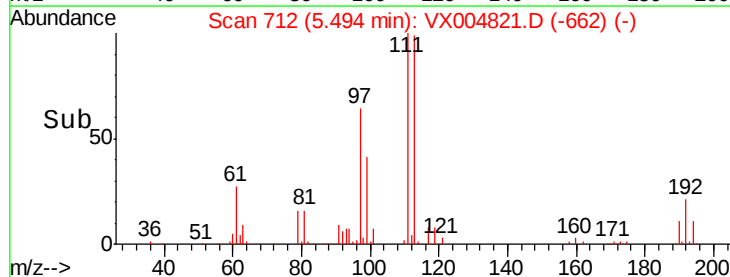
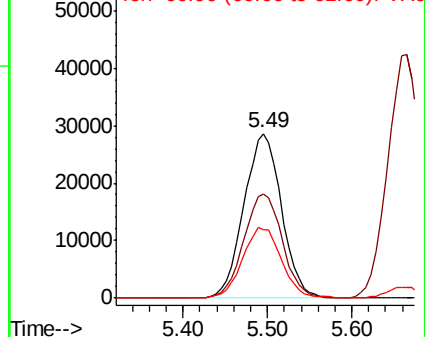
97 100

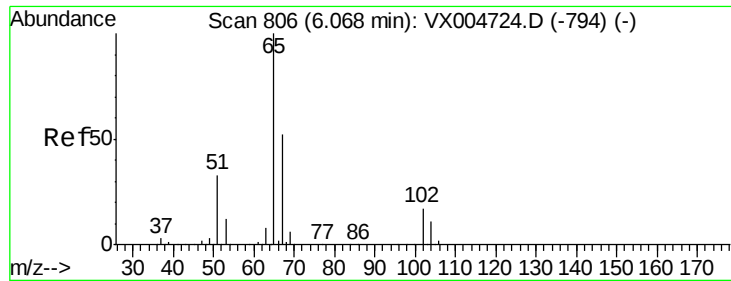
99 64.6 52.0 78.0

61 44.1 34.9 52.3



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: 48.725 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 65 Resp: 164956

Ion Ratio Lower Upper

65 100

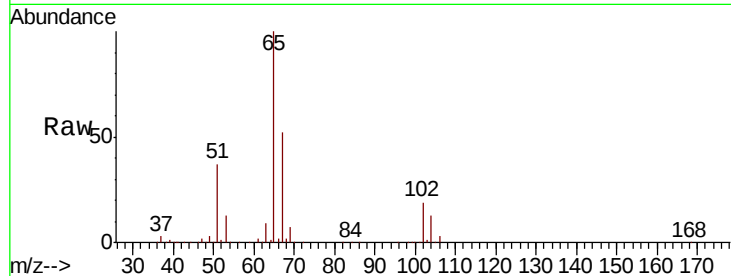
67 53.8 0.0 106.8

Manual Integrations

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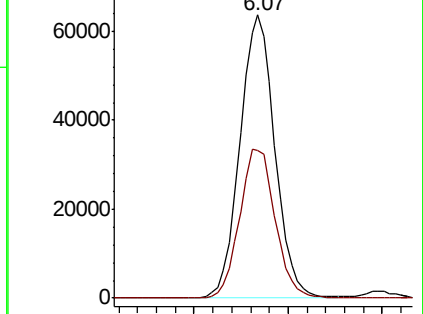
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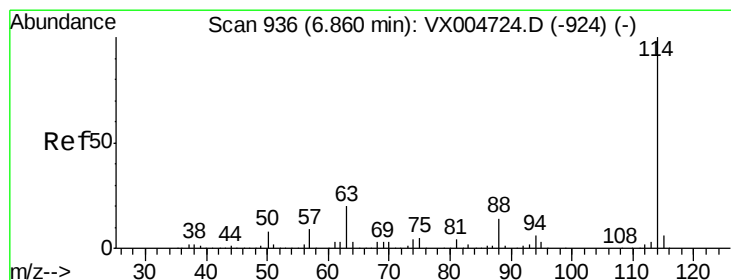
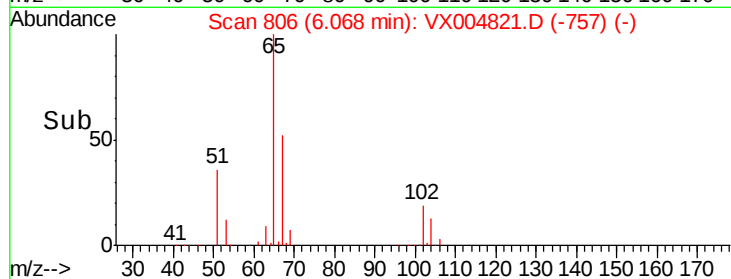


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

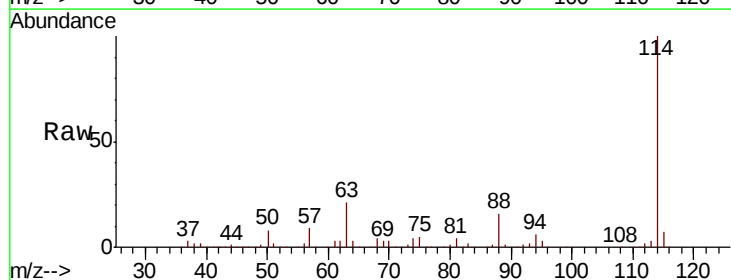
Tgt Ion: 114 Resp: 364843

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

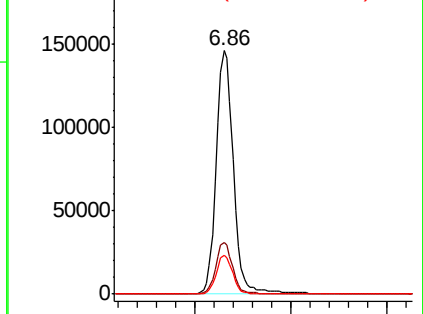
88 15.9 0.0 30.4



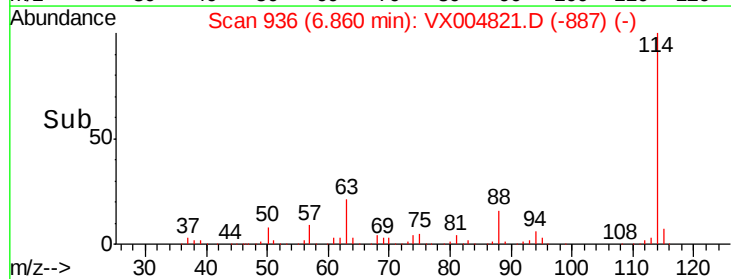
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





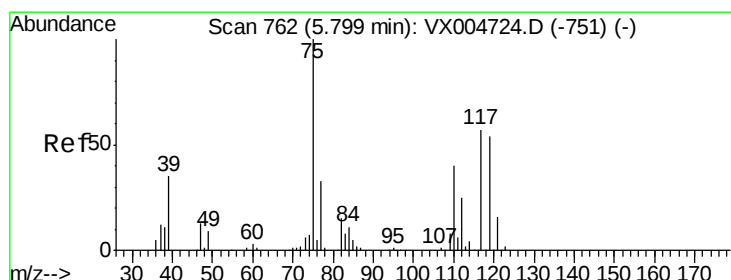
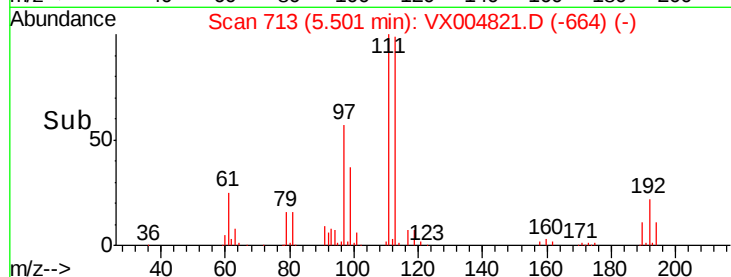
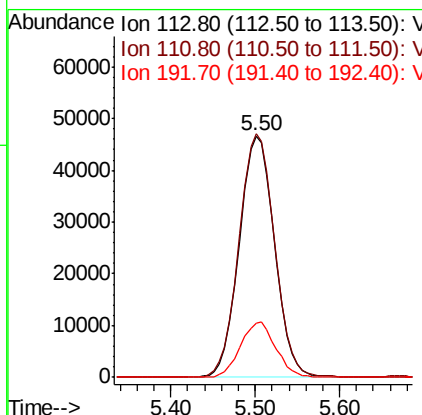
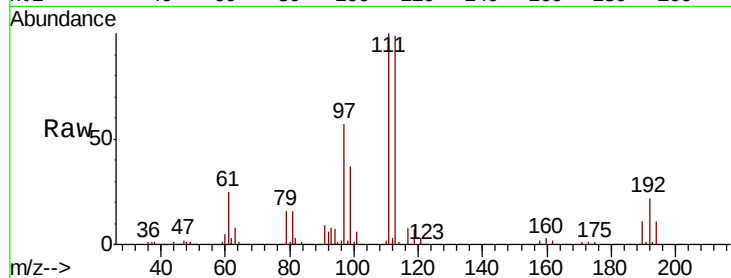
#35
 Dibromofluoromethane
 Concen: 42.867 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.4	123.6	
192	22.9	19.4	29.2	

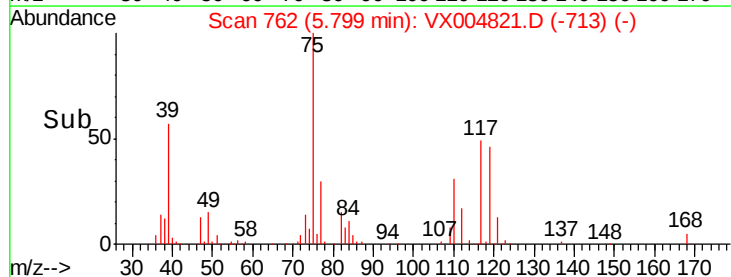
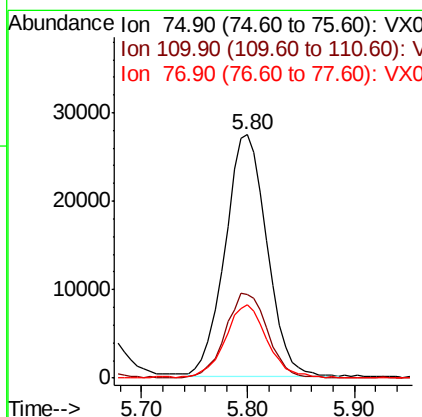
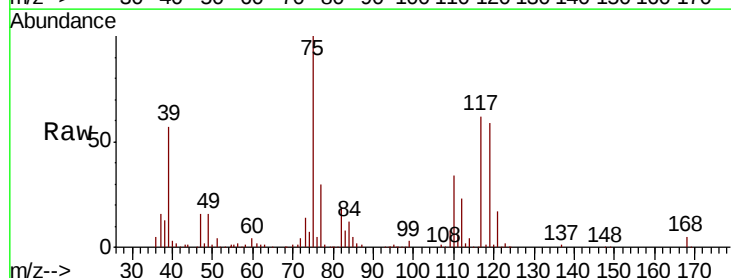
Manual Integrations
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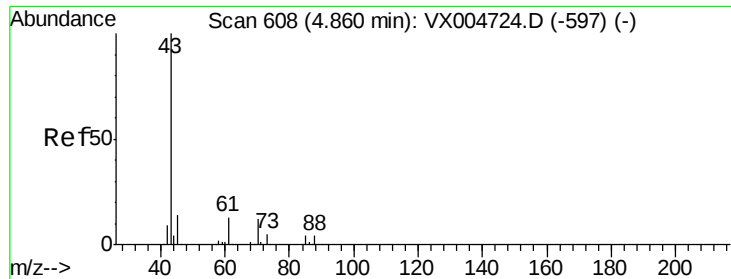
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#36
 1,1-Dichloropropene
 Concen: 17.803 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	18.0	54.0	
77	30.1	24.6	36.8	





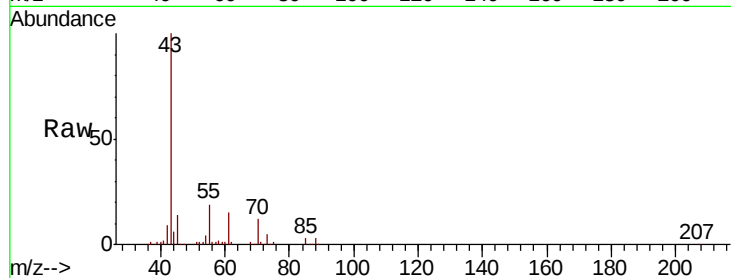
#37
Ethyl Acetate
Concen: 18.182 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

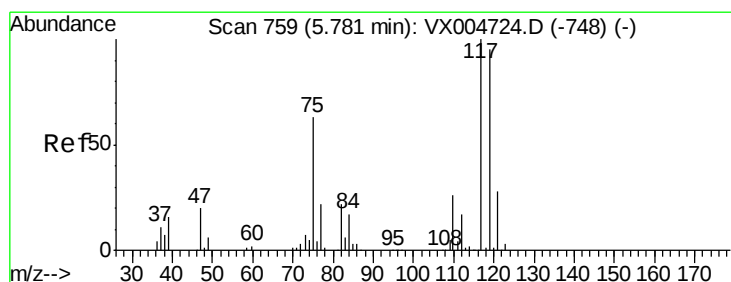
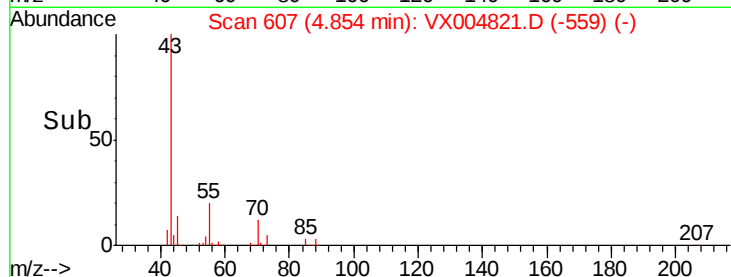
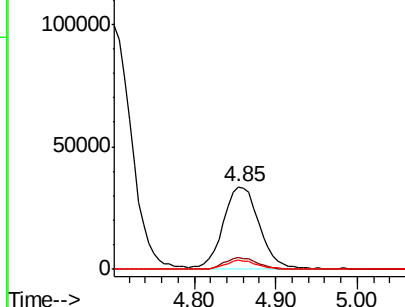
Tot Ion:	43	Resp:	101817
Ion Ratio	Lower	Upper	
43	100		
61	13.1	11.5	17.3
70	10.0	9.0	13.6

Manual Integrations
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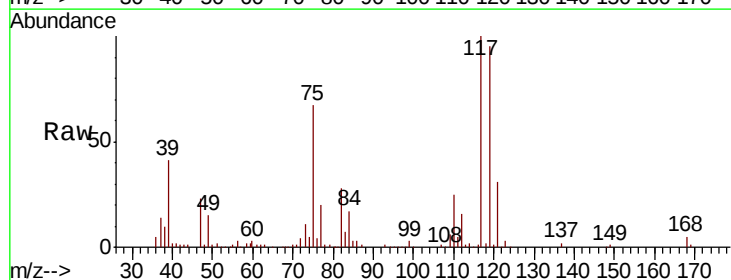


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

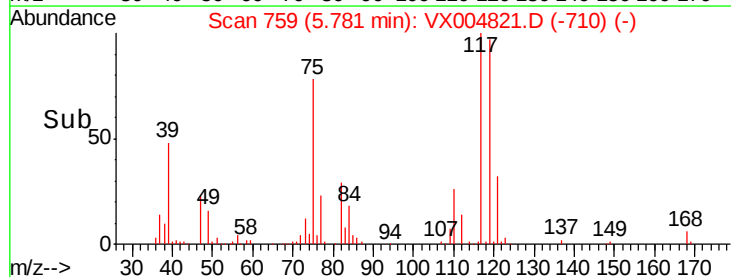
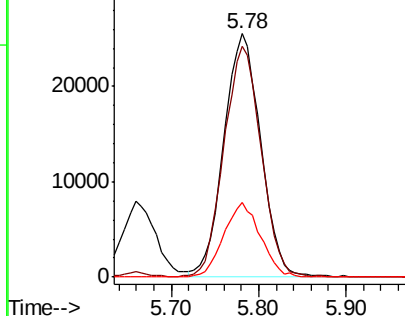


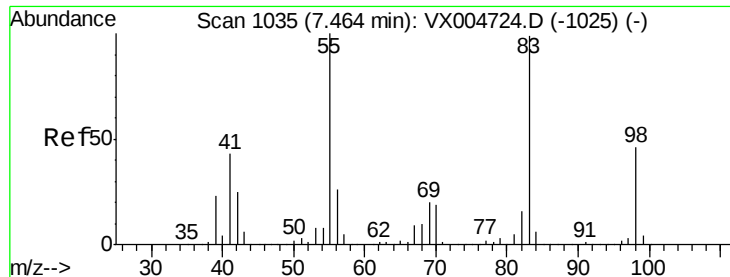
#38
Carbon Tetrachloride
Concen: 16.810 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion:	117	Resp:	74546
Ion Ratio	Lower	Upper	
117	100		
119	95.3	78.8	118.2
121	31.0	24.9	37.3



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





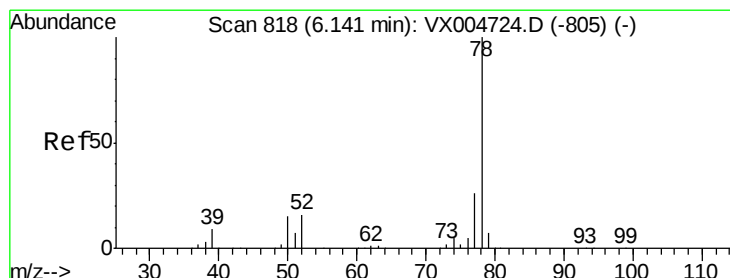
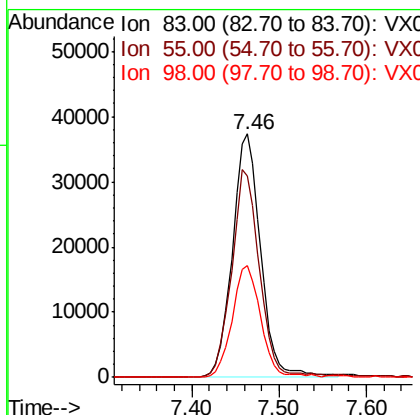
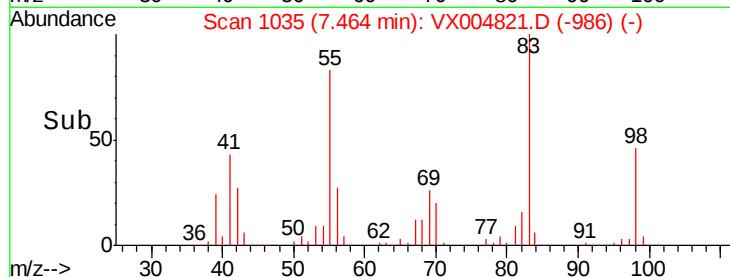
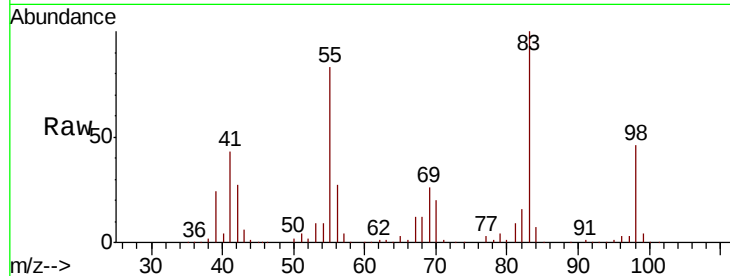
#39
Methylvlcyclohexane
Concen: 19.566 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	61.0	91.4
98	45.8	39.6	59.4

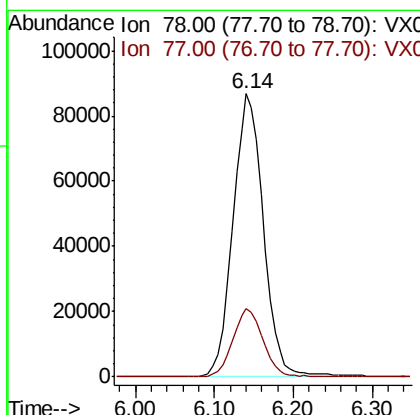
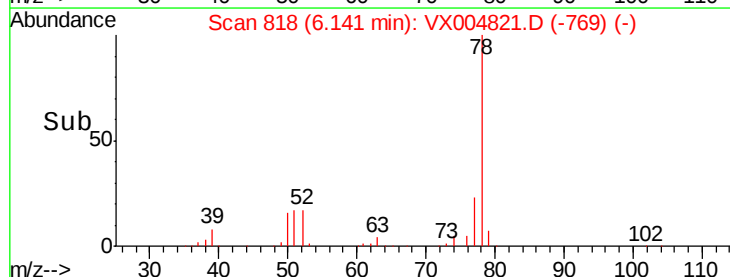
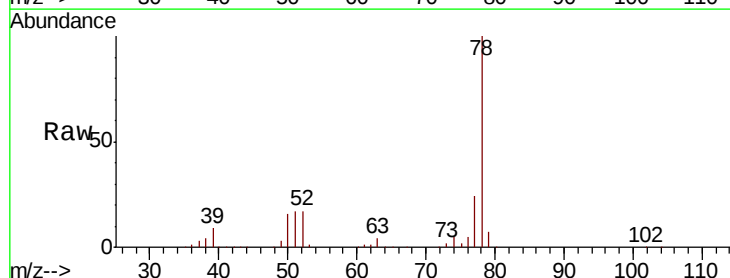
Manual Integrations
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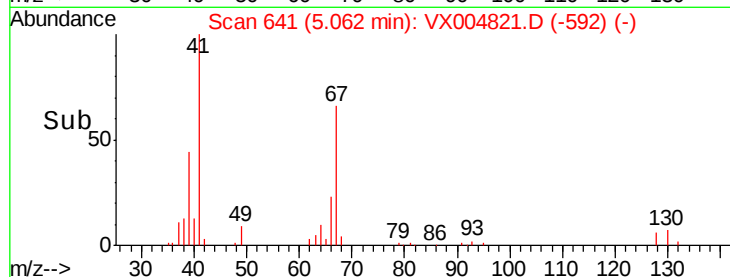
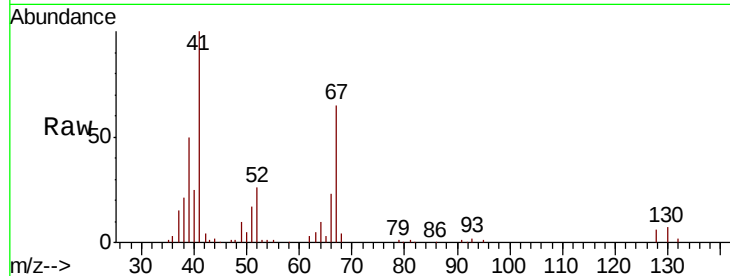
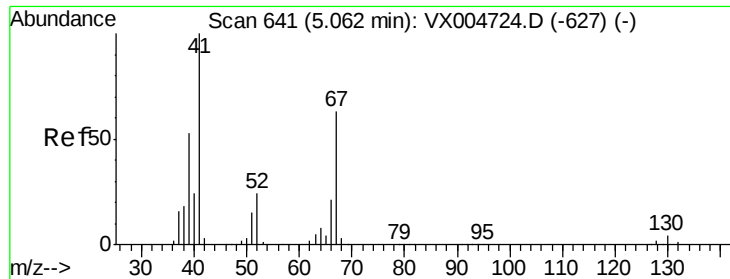
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#40
Benzene
Concen: 17.561 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





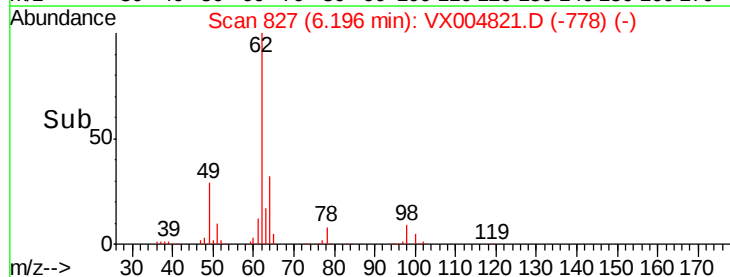
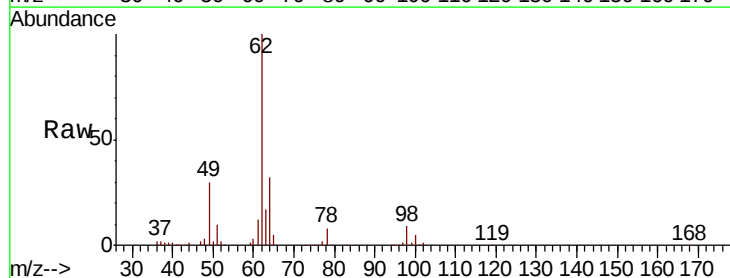
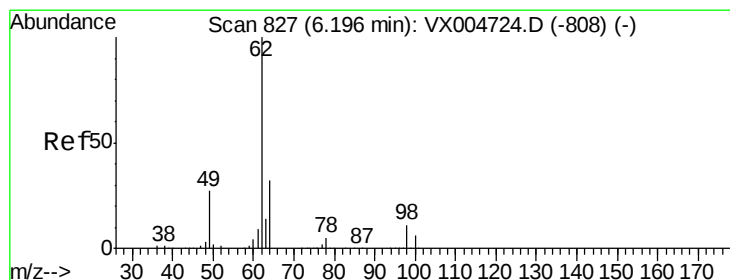
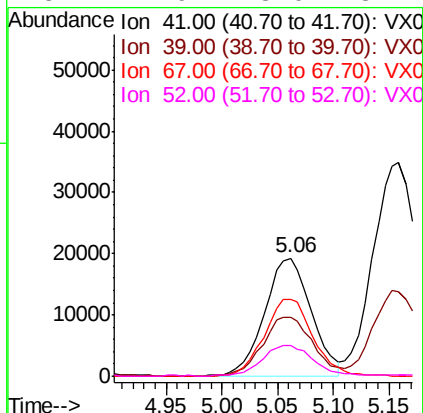
#41
Methacrylonitrile
Concen: 18.019 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		55959		
39	53.6	42.4	63.6		
67	68.2	59.2	88.8		
52	27.9	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

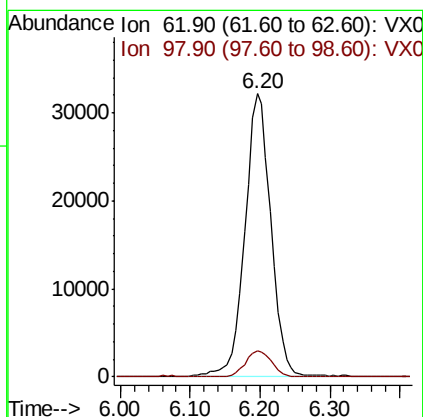
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 17.634 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		82336		
98	9.5	0.0	20.6		





#43

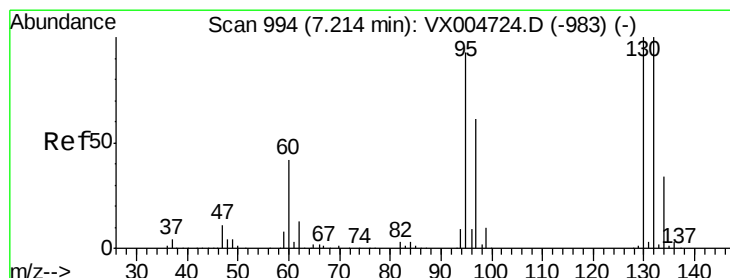
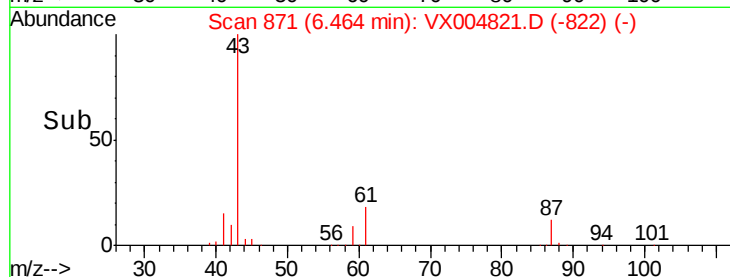
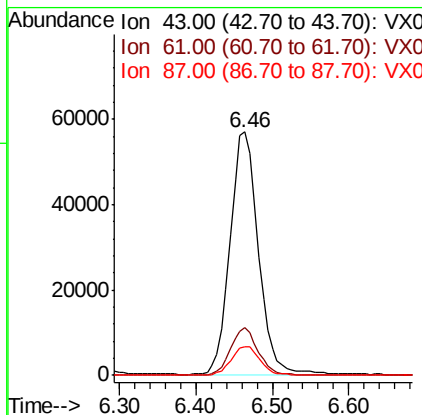
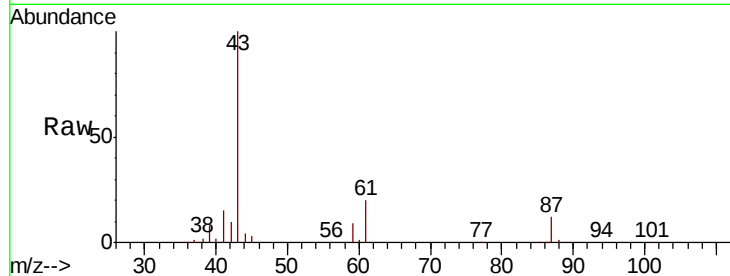
Isopropyl Acetate
 Concen: 18.071 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928MBS01

Tot Ion	43	61	87
Resp	146066		
Ratio	100	19.4	12.1
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
 APPROVED

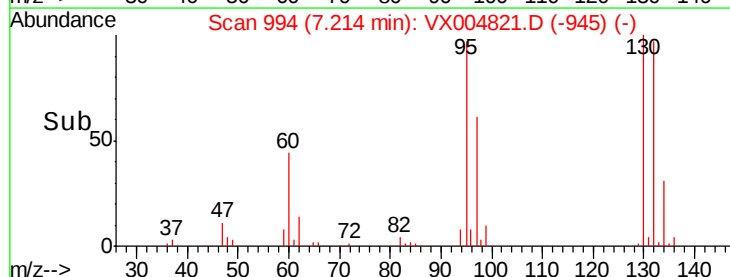
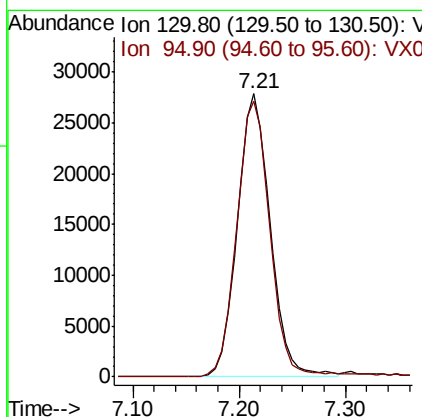
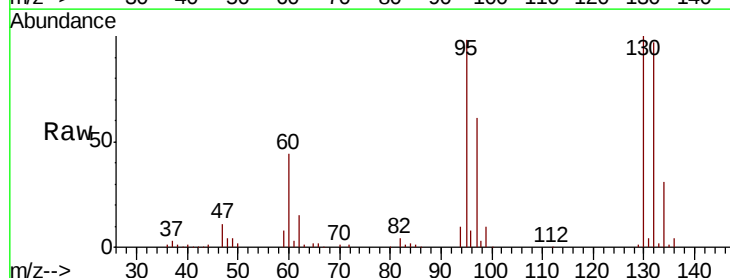
MMDadoda
 10/1/2018 1:31:28 PM



#44

Trichloroethene
 Concen: 18.633 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Tgt Ion	130	95
Resp	60499	
Ratio	100	97.5
Lower		0.0
Upper		181.6





#45

1,2-Dichloropropane

Concen: 19.814 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 63 Resp: 64176

Ion Ratio Lower Upper

63 100

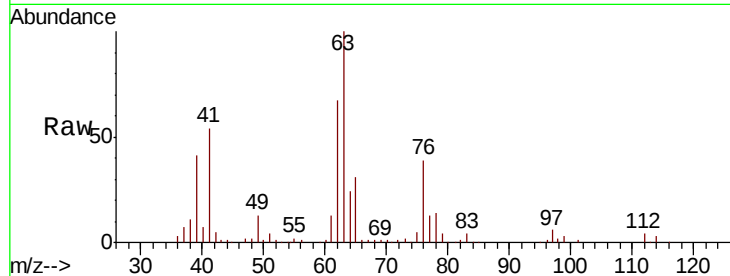
65 31.2 24.3 36.5

Manual Integrations

APPROVED

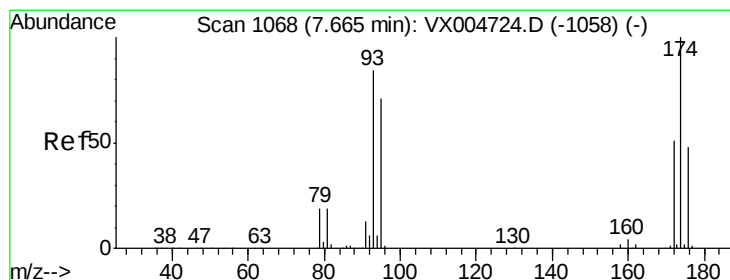
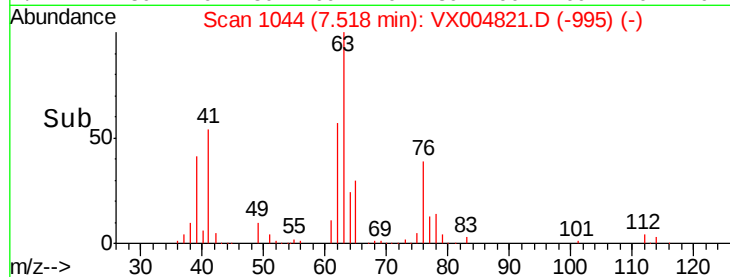
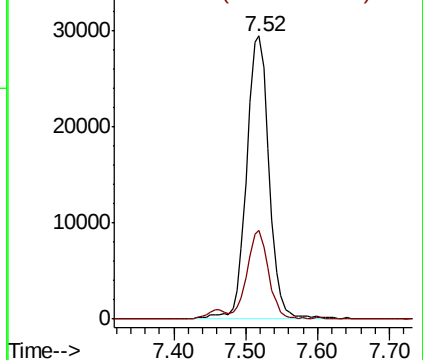
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.546 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

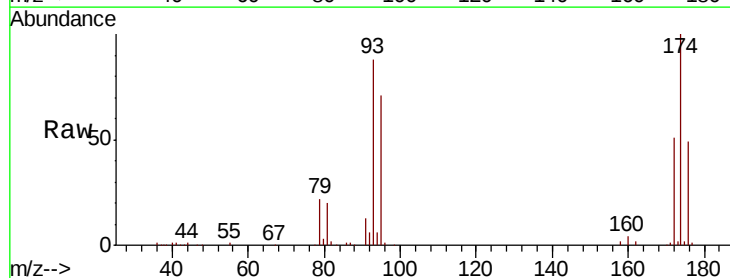
Tgt Ion: 93 Resp: 39786

Ion Ratio Lower Upper

93 100

95 82.9 65.5 98.3

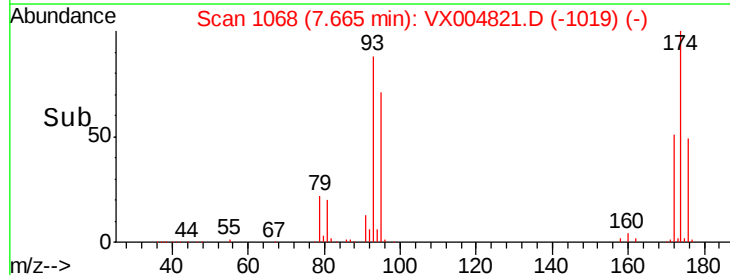
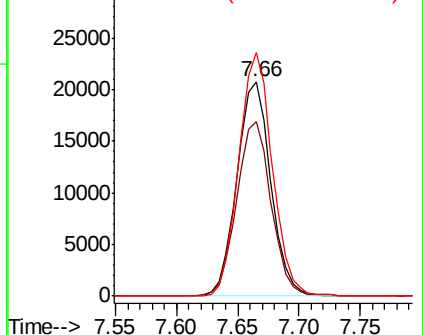
174 113.0 94.2 141.4

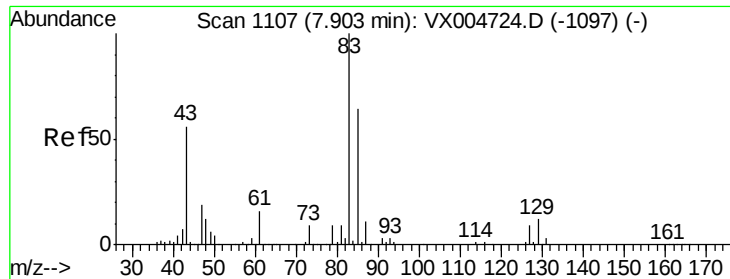


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.582 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

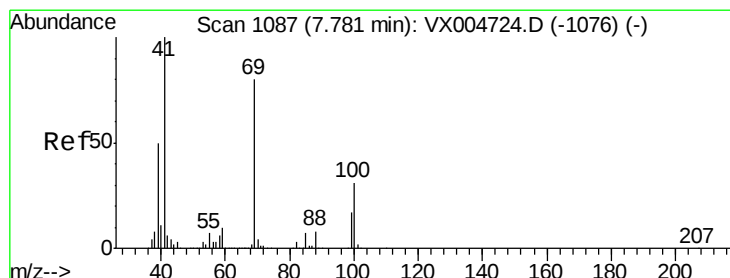
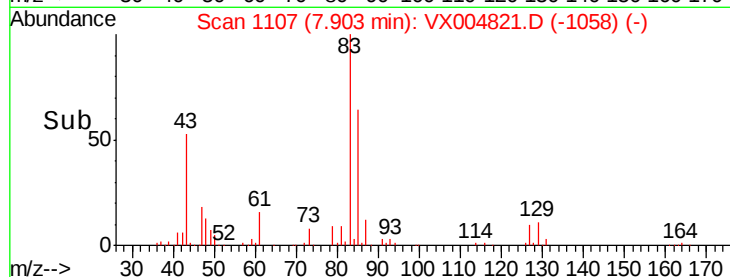
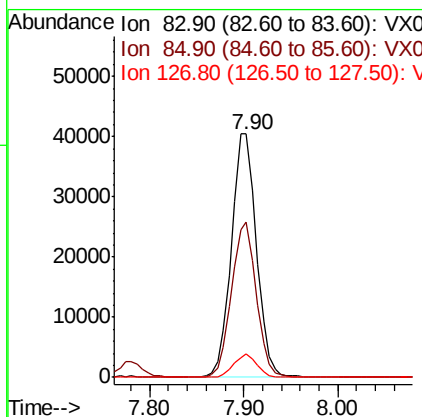
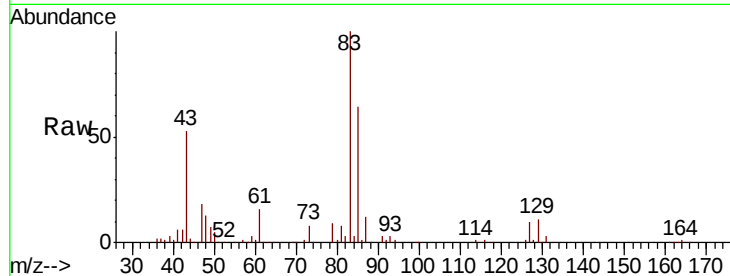
ClientSampleId :

VX0928MBS01

Tot Ion:	83	Resp:	74630
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	9.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.007 ug/l

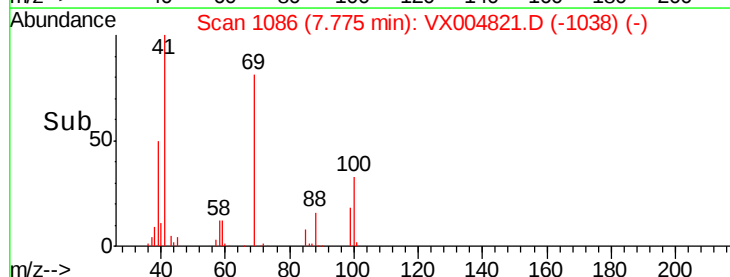
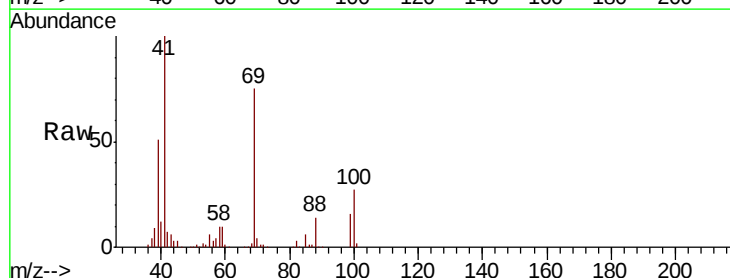
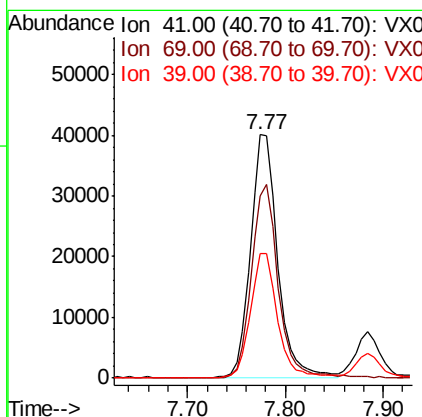
RT: 7.77 min Scan# 1086

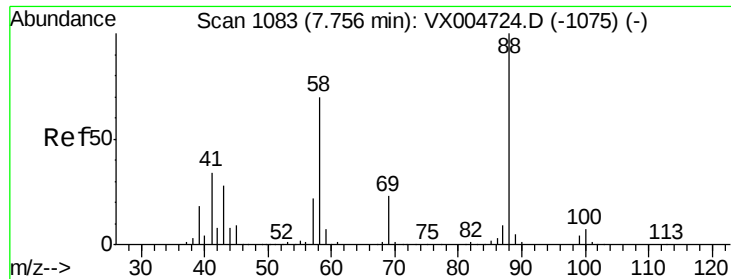
Delta R.T. -0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion:	41	Resp:	77068
Ion	Ratio	Lower	Upper
41	100		
69	79.5	70.2	105.4
39	50.4	42.7	64.1





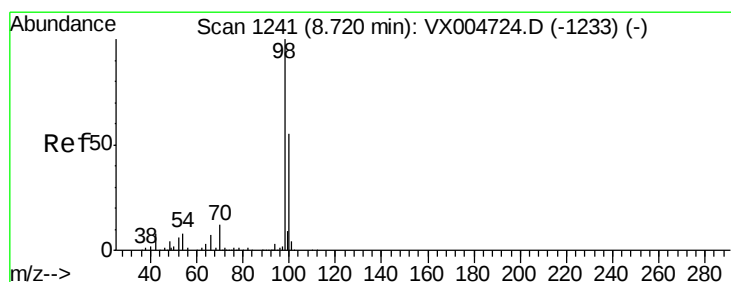
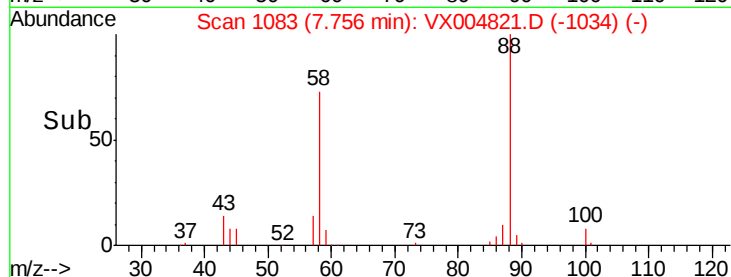
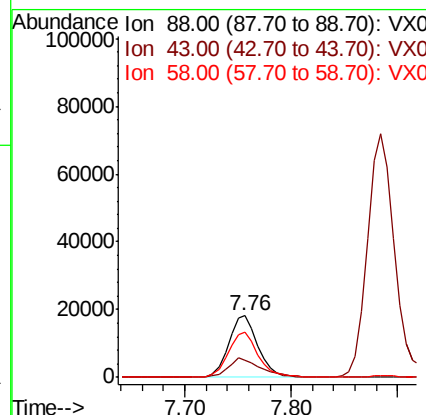
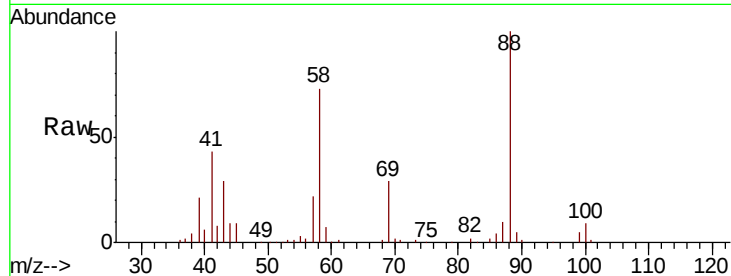
#49
1,4-Dioxane
Concen: 384.965 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	88	Resp	35087
Ion	Ratio	Lower	Upper
88	100		
43	33.2	24.7	37.1
58	75.2	55.3	82.9

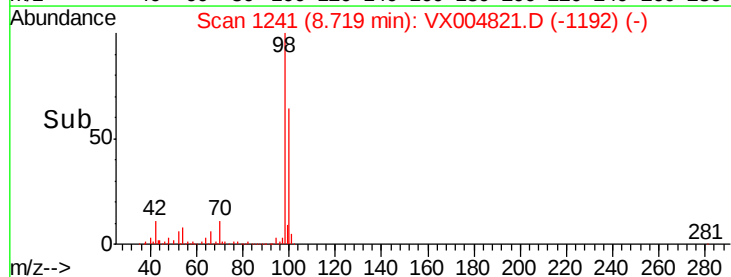
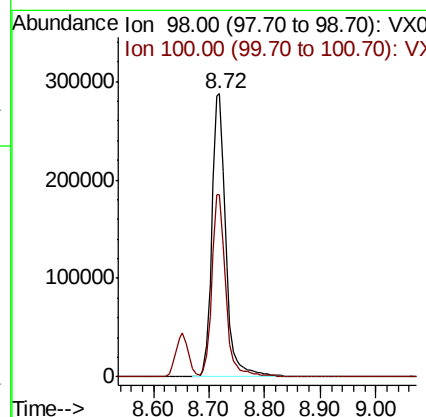
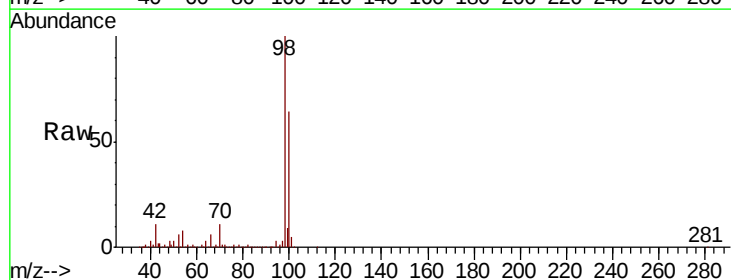
Manual Integrations
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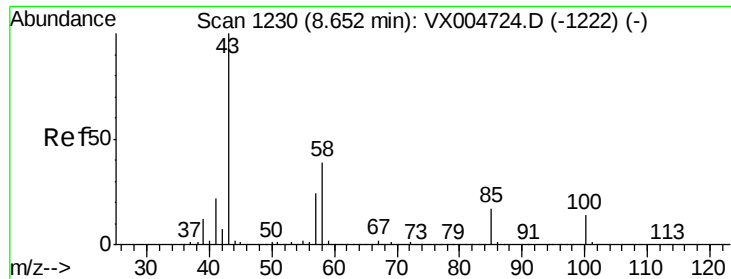
MMDadoda
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#50
Toluene-d8
Concen: 49.437 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	98	Resp	508192
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3





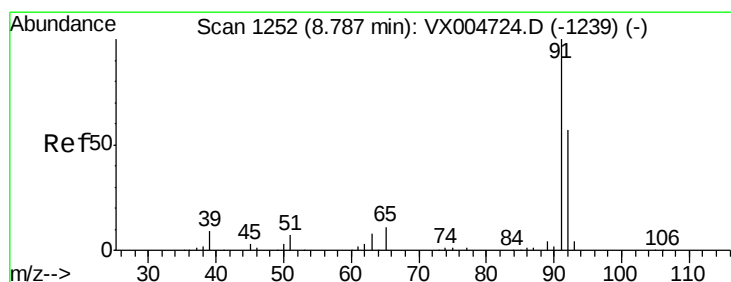
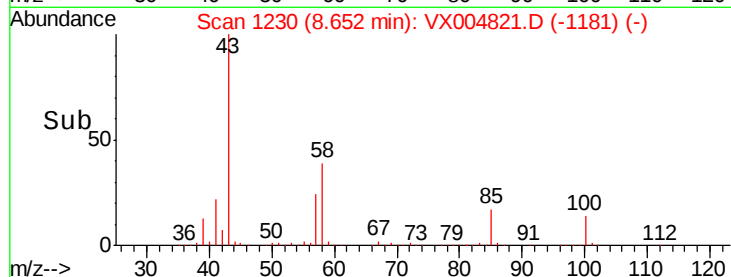
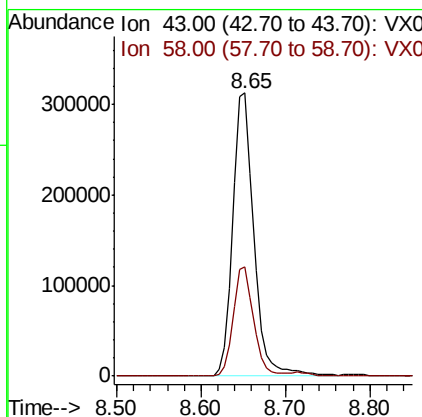
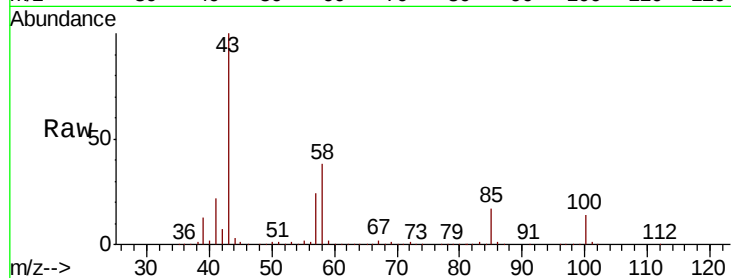
#51
4-Methyl-2-Pentanone
Concen: 104.584 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	43	58	Ratio	Lower	Upper	Resp
43	100					532255
58		37.1		33.1	49.7	

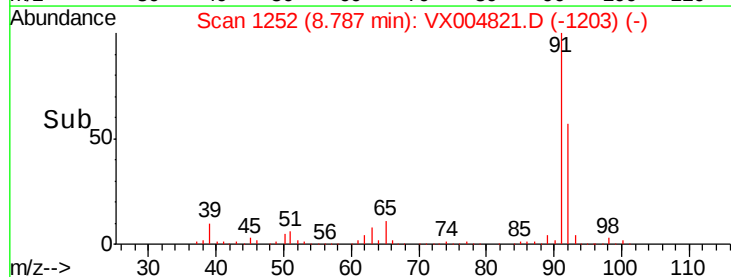
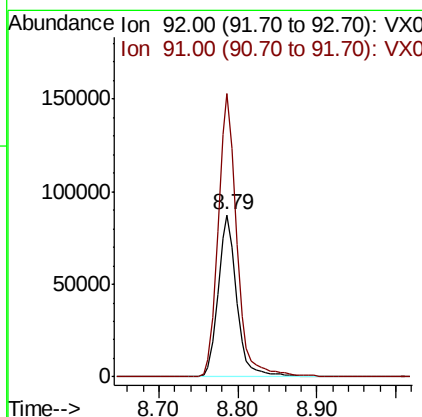
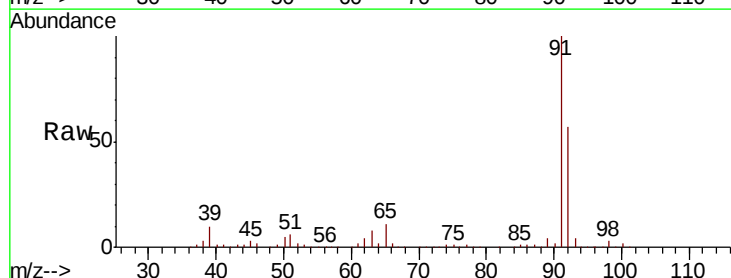
Manual Integrations
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#52
Toluene
Concen: 19.871 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
92	100					144214
91		175.8		136.4	204.6	





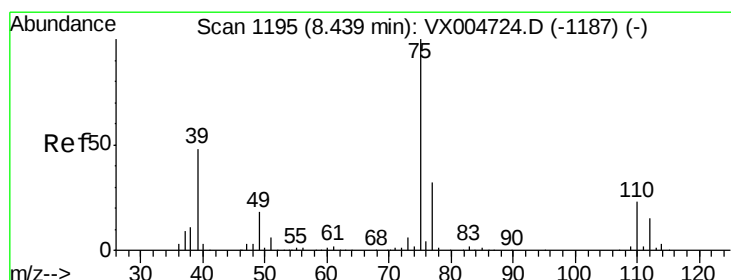
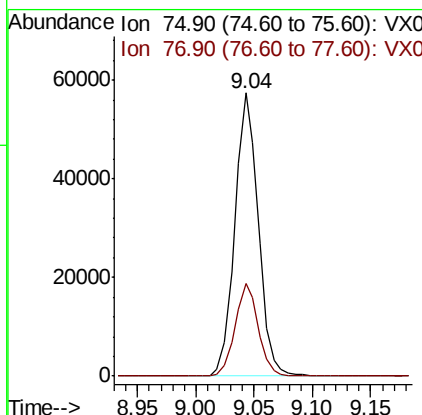
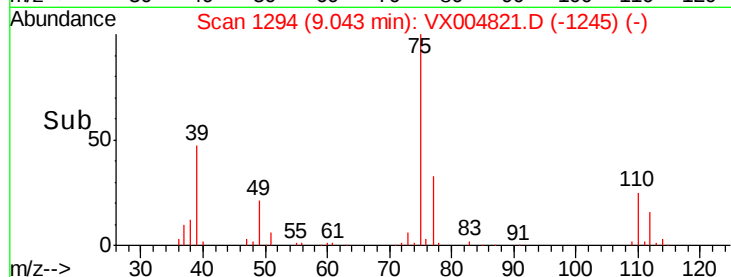
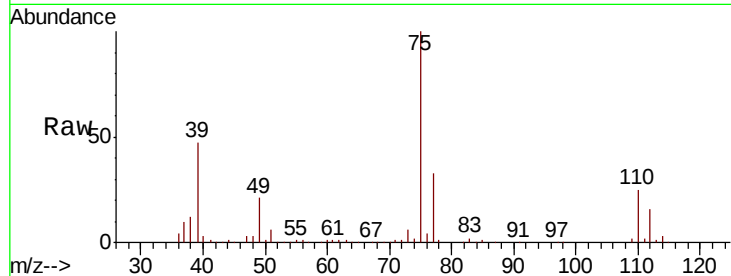
#53
t-1,3-Dichloropropene
Concen: 18.750 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion: 75 Resp: 80748
Ion Ratio Lower Upper
75 100
77 32.9 24.6 37.0

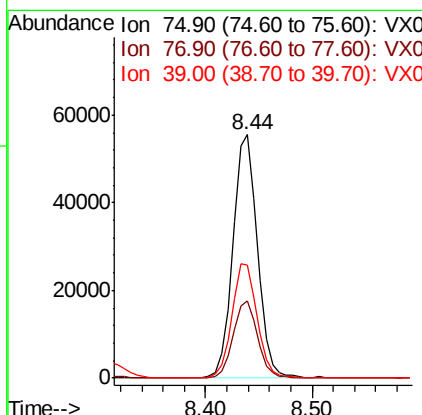
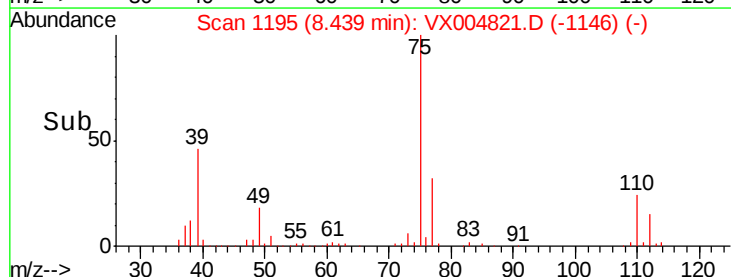
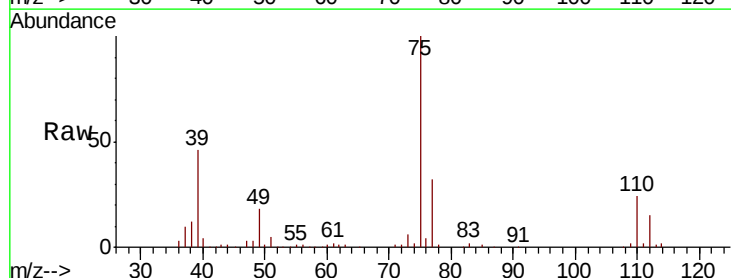
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 19.946 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion: 75 Resp: 89974
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2
39 46.2 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 18.679 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

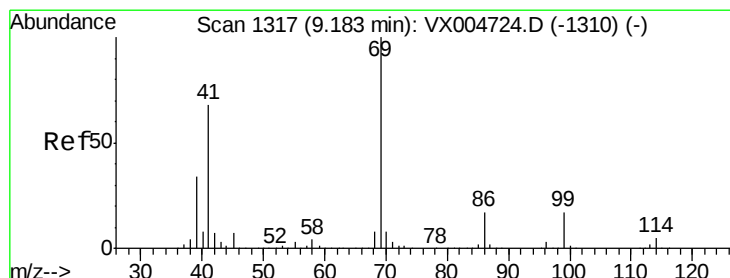
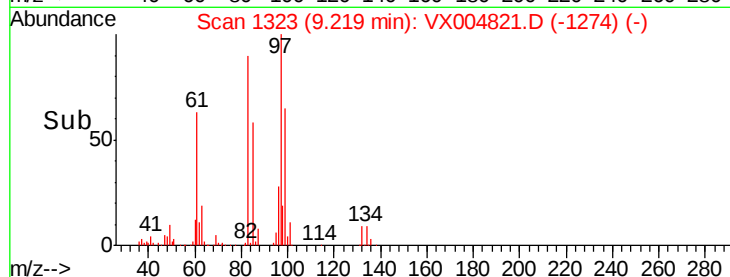
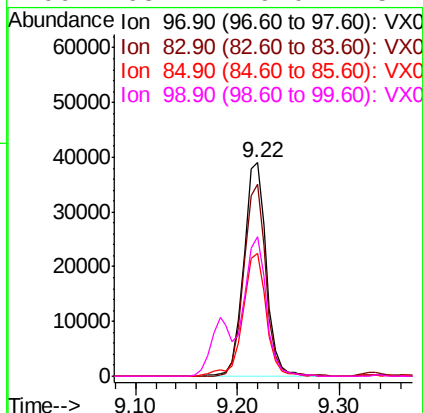
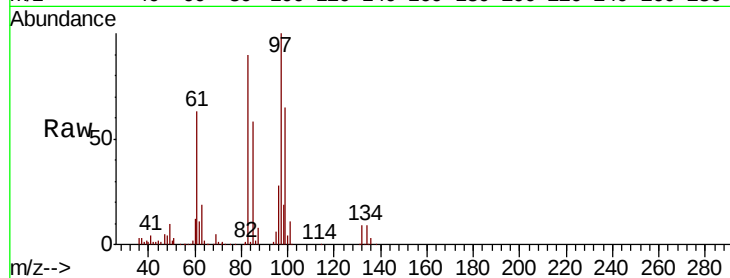
ClientSampleId :

VX0928MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59379		
83	89.8	66.4	99.6		
85	57.5	43.3	64.9		
99	65.1	49.0	73.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.204 ug/l

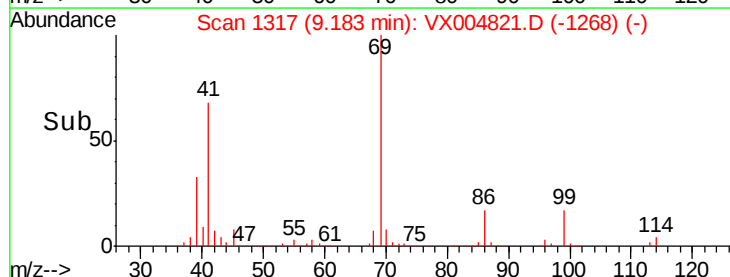
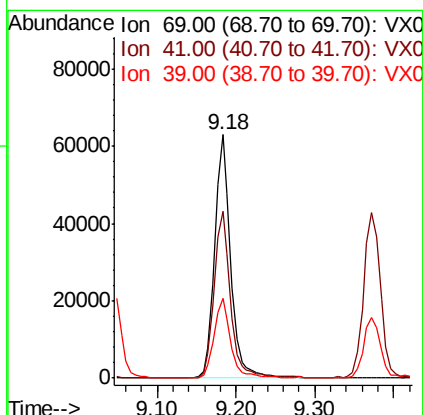
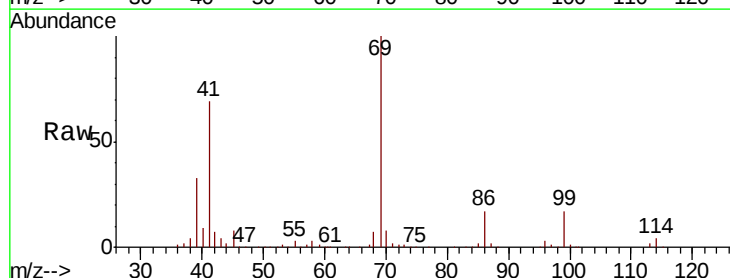
RT: 9.18 min Scan# 1317

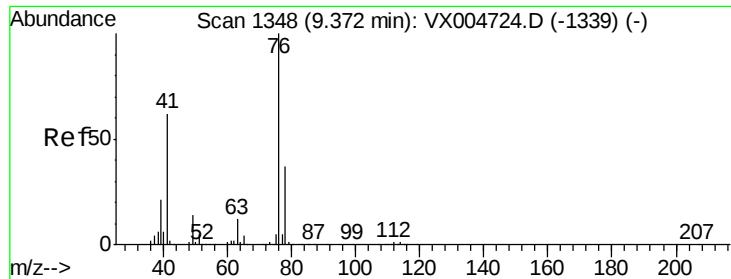
Delta R.T. 0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		89418		
41	69.9	51.0	76.4		
39	33.6	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 19.026 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 76 Resp: 100666

Ion Ratio Lower Upper

76 100

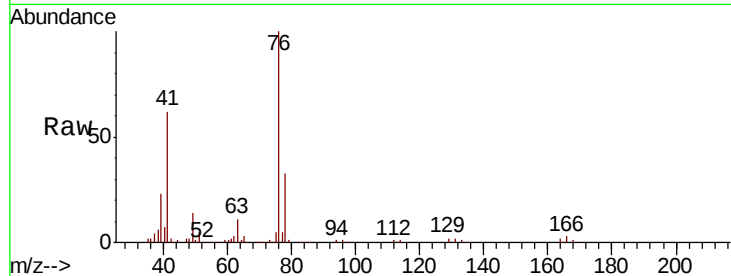
78 32.5 25.5 38.3

Manual Integrations

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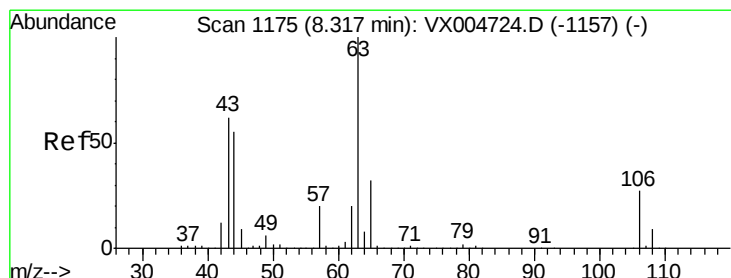
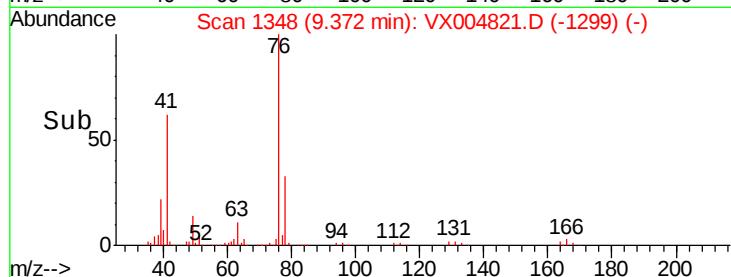
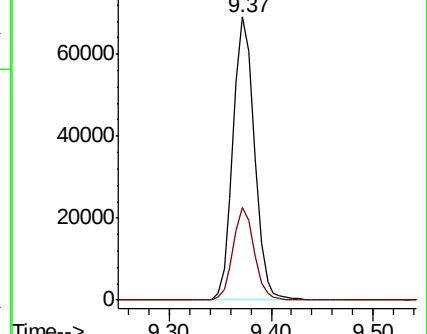
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.561 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004821.D

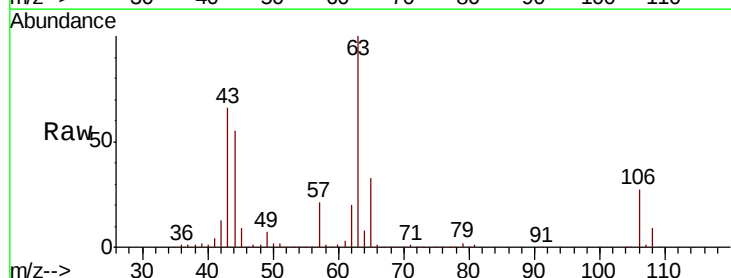
Acq: 28 Sep 2018 15:12

Tgt Ion: 63 Resp: 262340

Ion Ratio Lower Upper

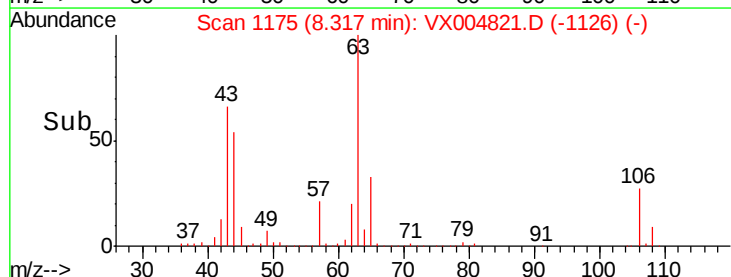
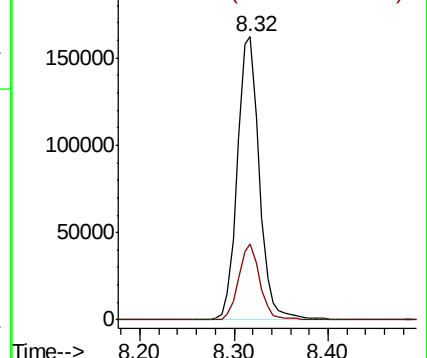
63 100

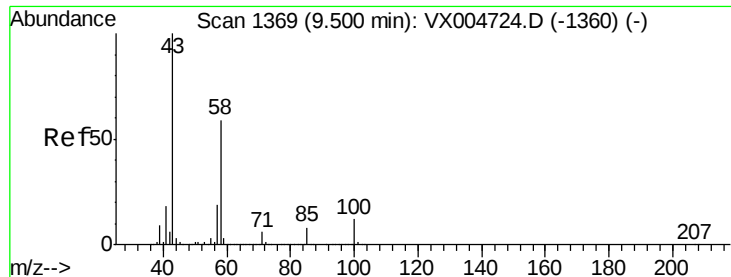
106 26.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





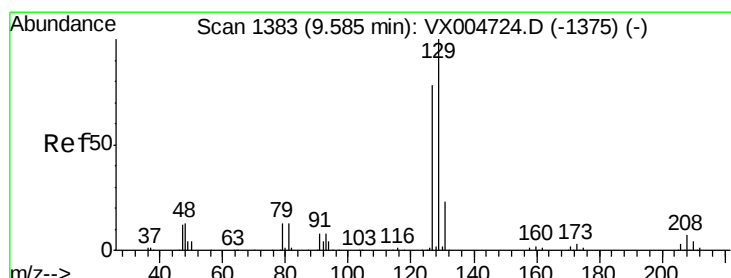
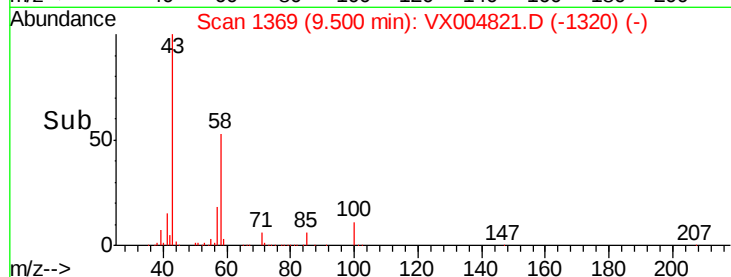
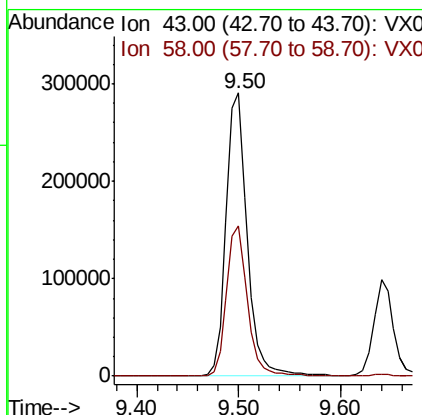
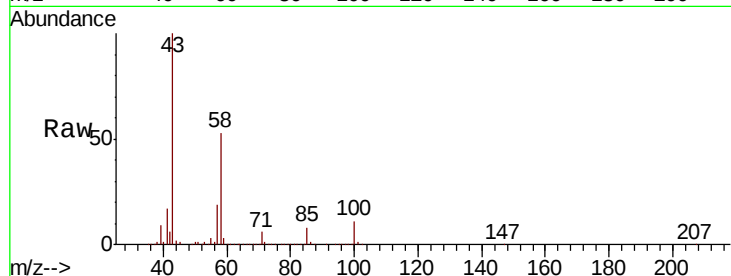
#59
2-Hexanone
Concen: 98.195 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion: 43 Resp: 416441
Ion Ratio Lower Upper
43 100
58 52.7 29.0 87.0

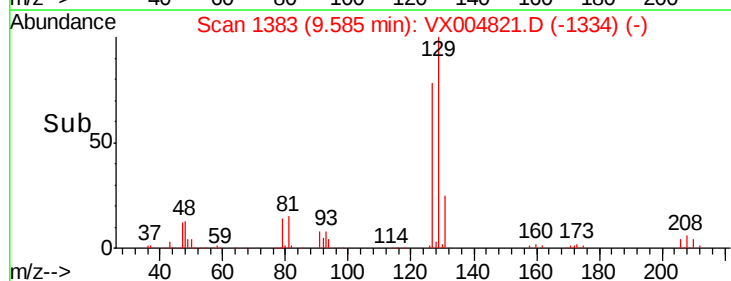
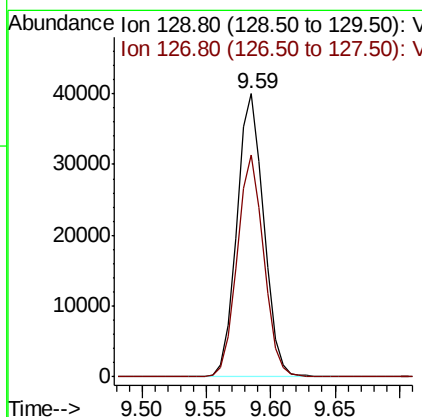
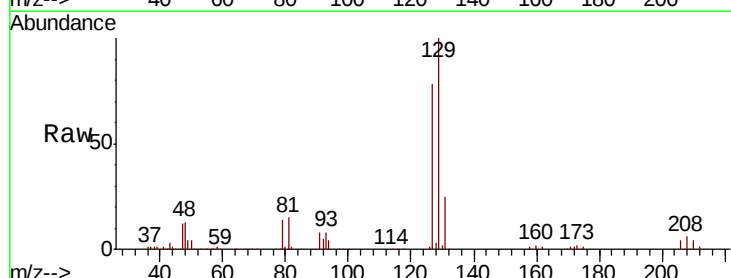
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.207 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion: 129 Resp: 57884
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





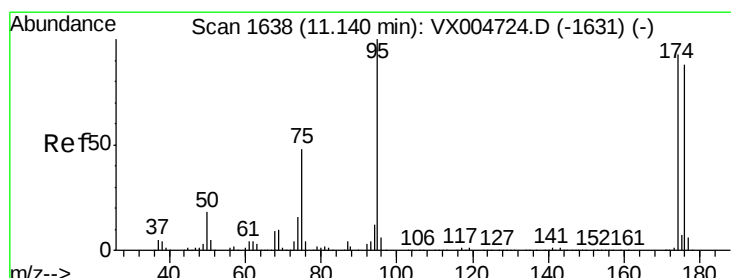
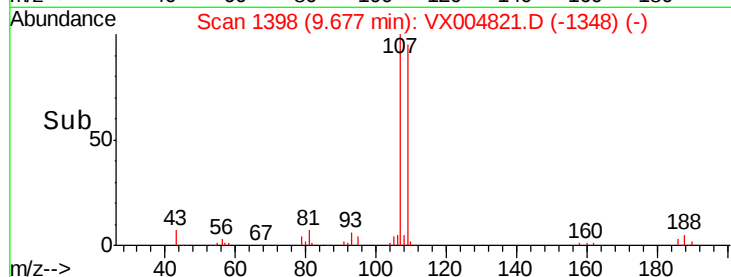
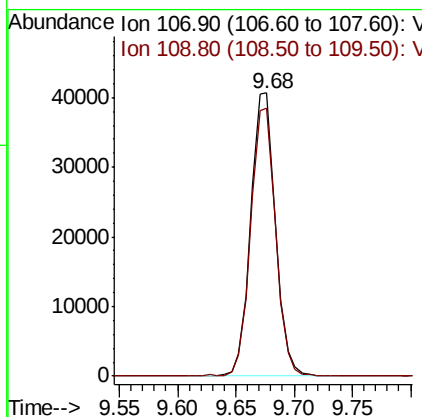
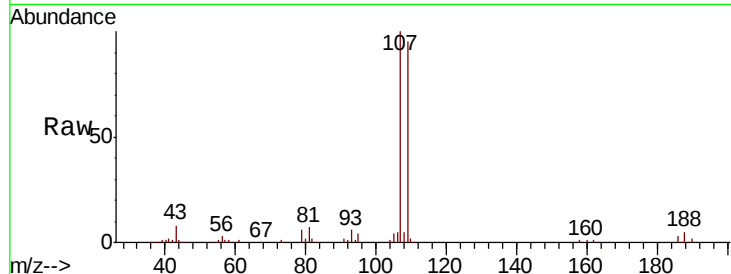
#61
 1,2-Dibromoethane
 Concen: 17.828 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928MBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	60695		
109	95.3	76.0	114.0	

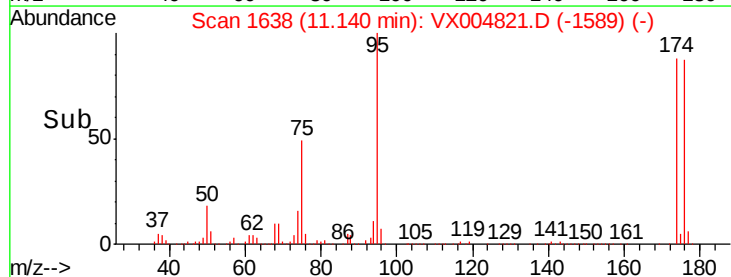
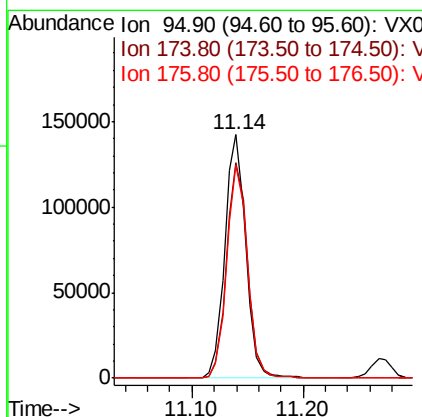
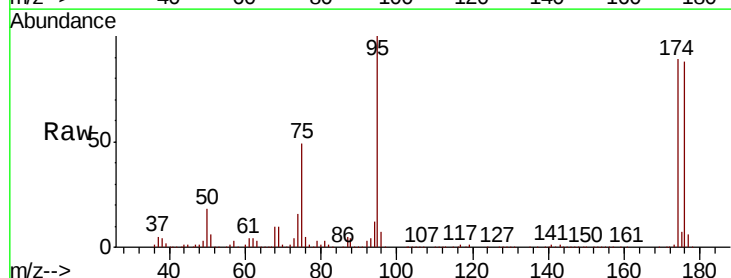
Manual Integrations
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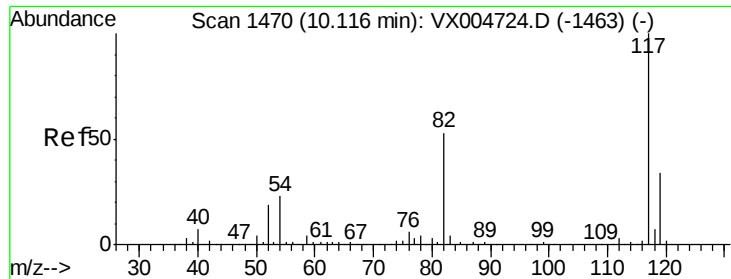
MMDadoda
 10/1/2018 1:31:28 PM



#62
 4-Bromofluorobenzene
 Concen: 49.949 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	184975		
174	89.1	0.0	185.2	
176	86.6	0.0	178.6	





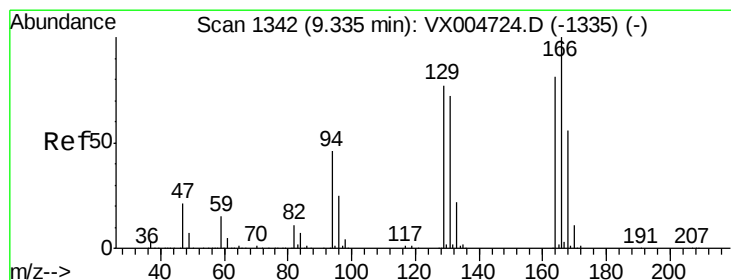
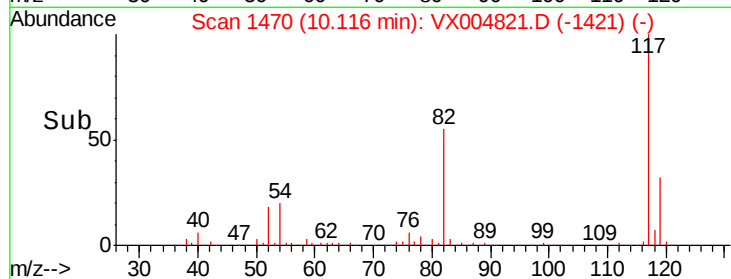
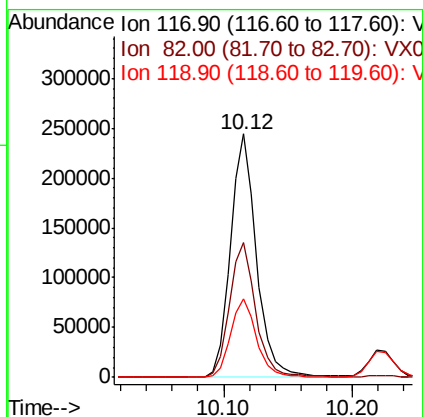
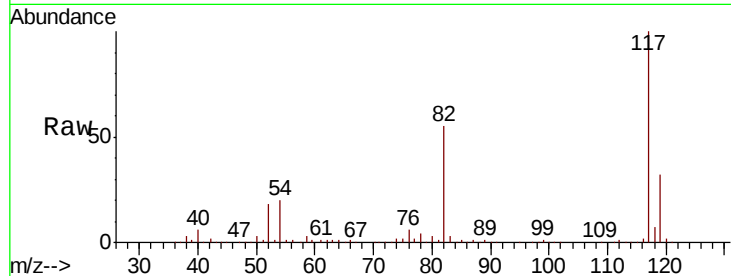
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.8	71.6
119	32.3	29.3	43.9

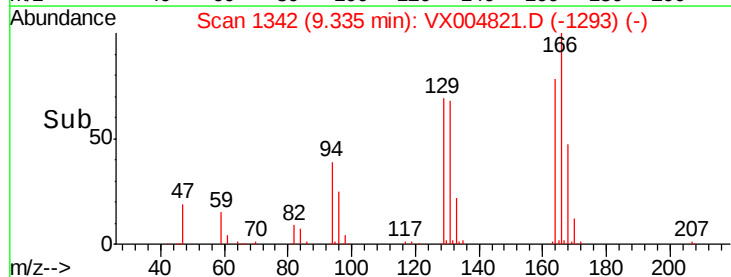
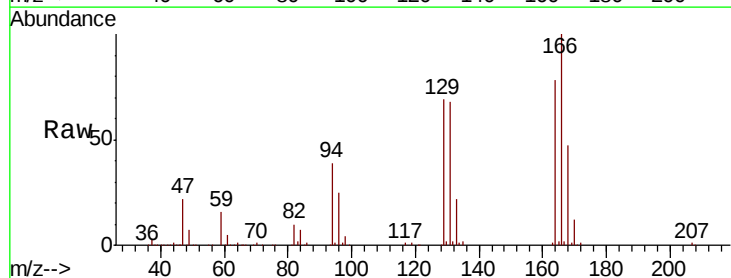
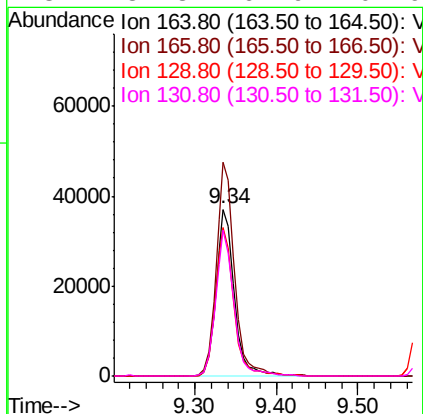
Manual Integrations
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#64
Tetrachloroethene
Concen: 17.240 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.8	154.2
129	88.8	69.4	104.0
131	87.3	67.9	101.9





#65

Chlorobenzene

Concen: 17.918 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion:112 Resp: 158437

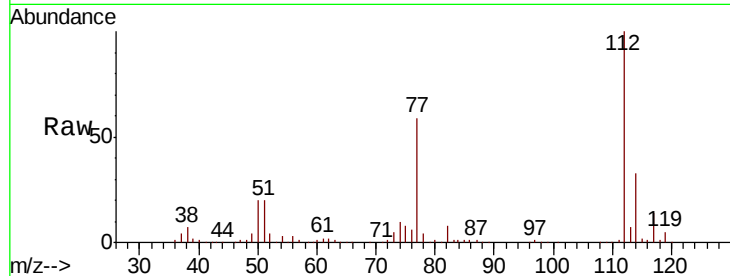
Ion Ratio Lower Upper

112 100

114 32.8 27.8 41.8

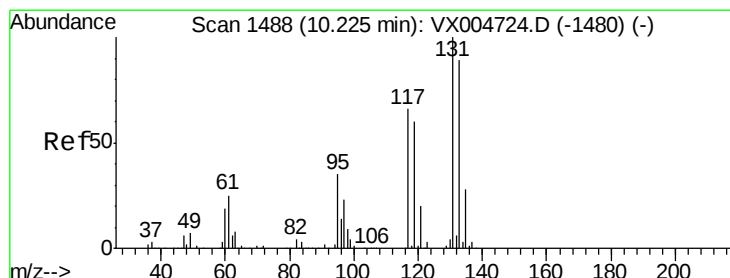
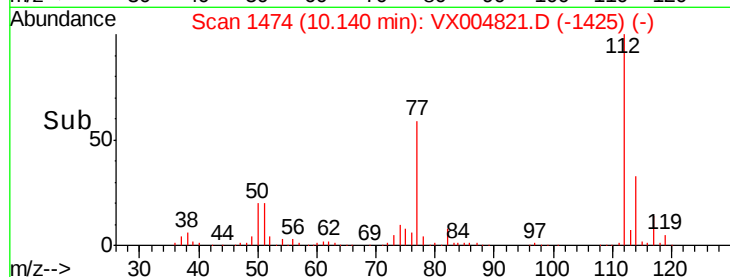
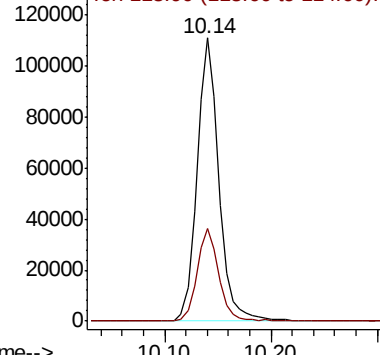
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.940 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

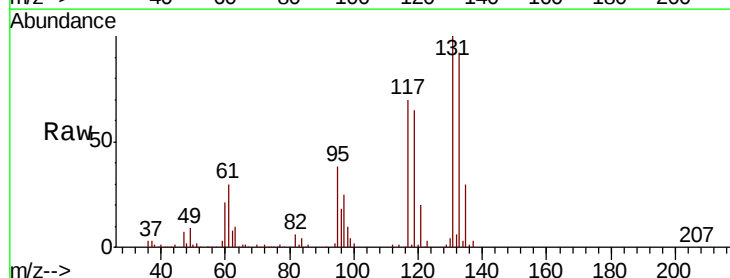
Tgt Ion:131 Resp: 55767

Ion Ratio Lower Upper

131 100

133 94.7 48.1 144.4

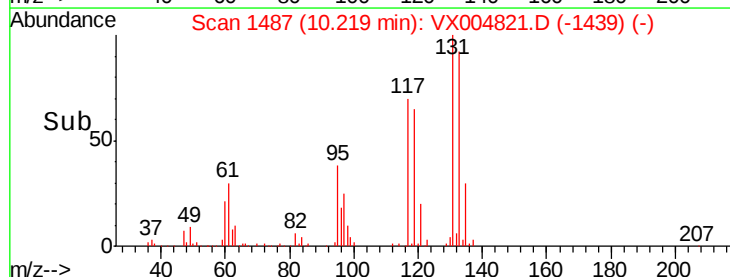
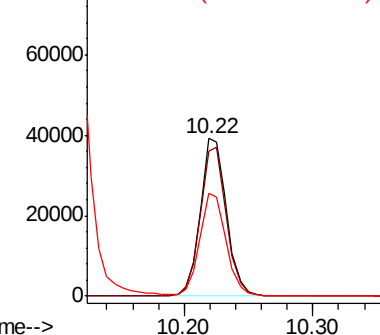
119 66.1 32.9 98.6

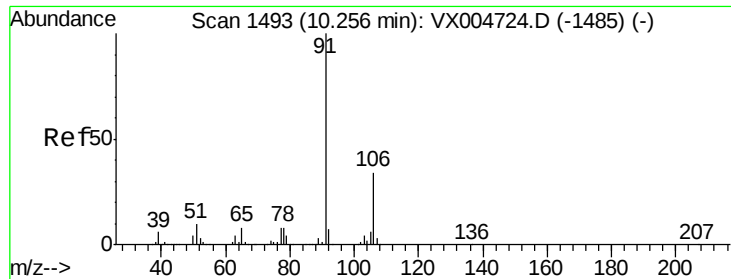


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.987 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 91 Resp: 266534

Ion Ratio Lower Upper

91 100

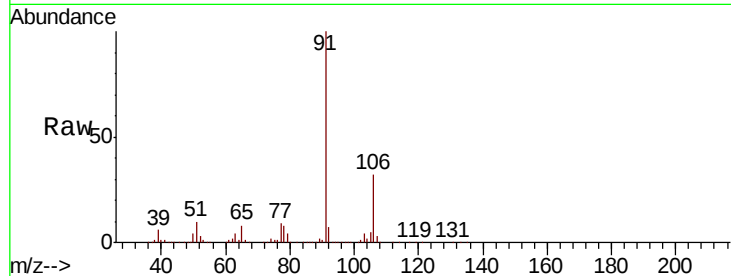
106 31.6 25.9 38.9

Manual Integrations

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10/1/2018 1:31:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004724.D (-1485) (-)

300000

200000

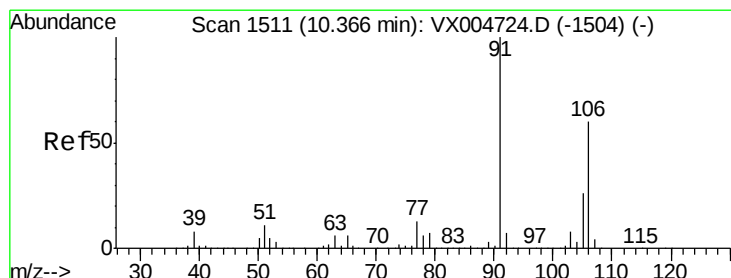
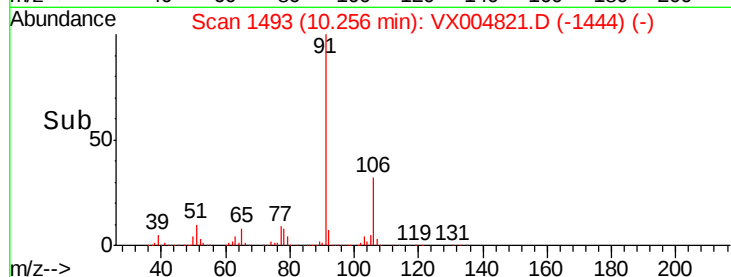
100000

0

10.26

10.30

Time-->



#68

m/p-Xylenes

Concen: 38.003 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004821.D

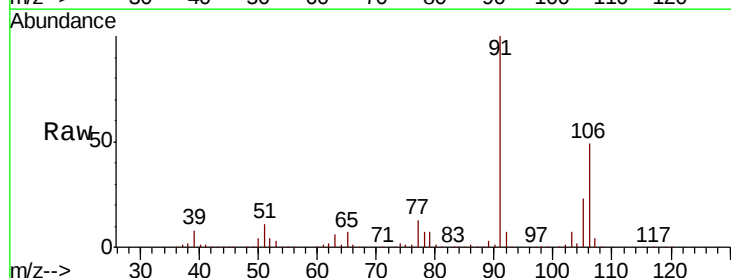
Acq: 28 Sep 2018 15:12

Tgt Ion: 106 Resp: 208469

Ion Ratio Lower Upper

106 100

91 205.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004724.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX004724.D (-1504) (-)

300000

200000

100000

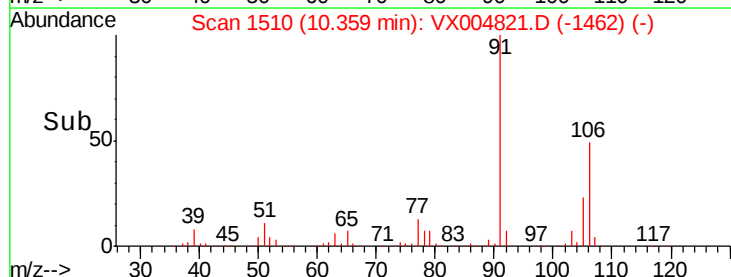
0

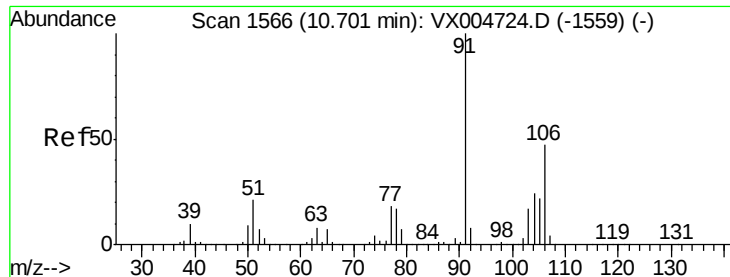
10.36

10.40

10.50

Time-->





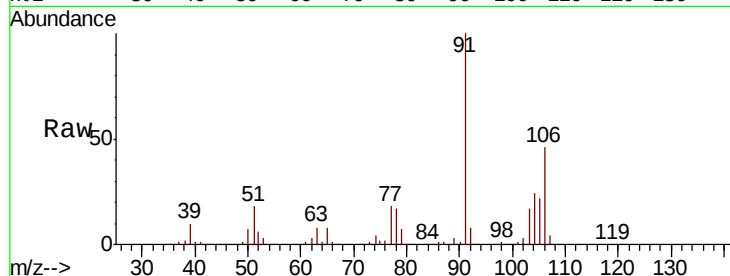
#69
o-Xylene
Concen: 19.585 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

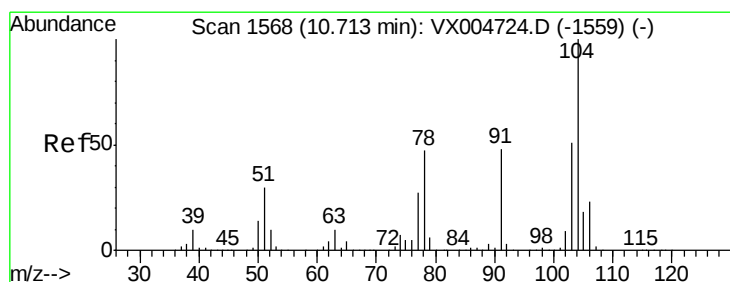
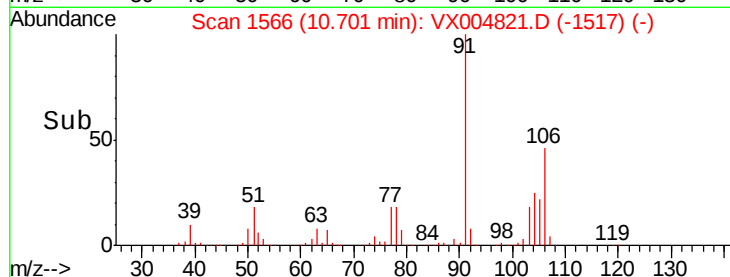
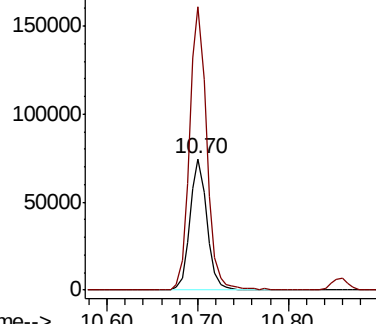
Tot Ion	Ratio	Lower	Upper
106	100		
91	217.1	105.1	315.1

Manual Integrations
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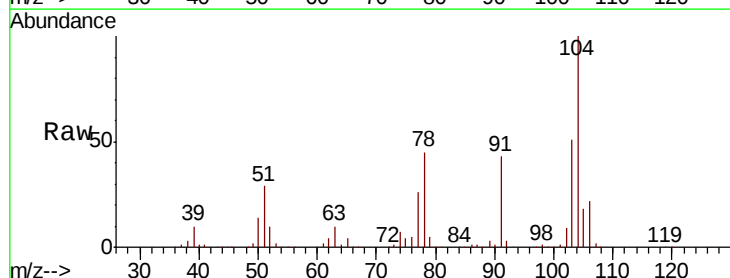


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

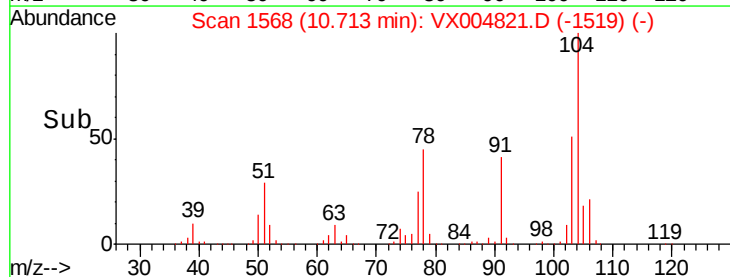
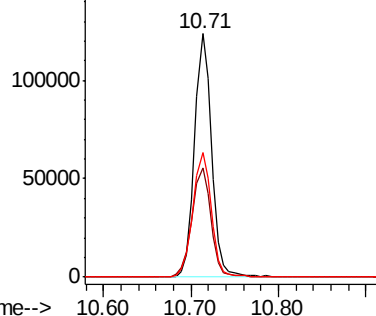


#70
Styrene
Concen: 19.075 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	37.4	56.0
103	55.8	43.8	65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.454 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

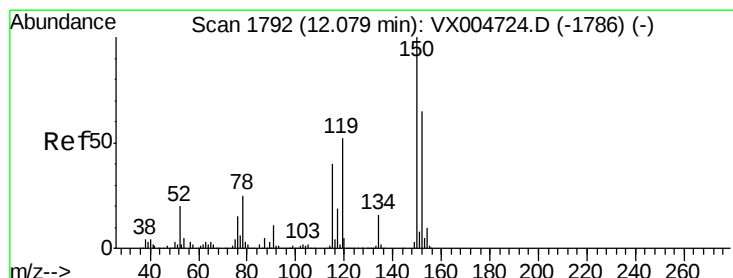
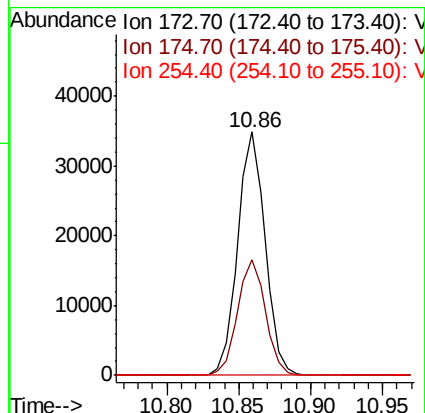
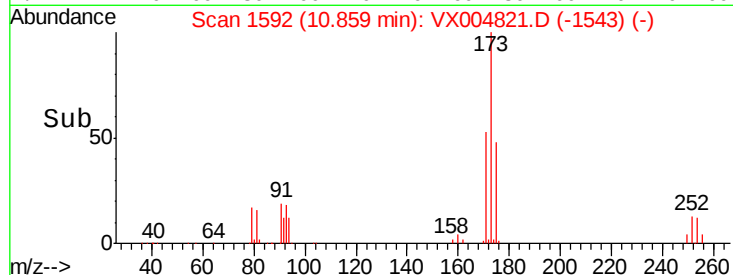
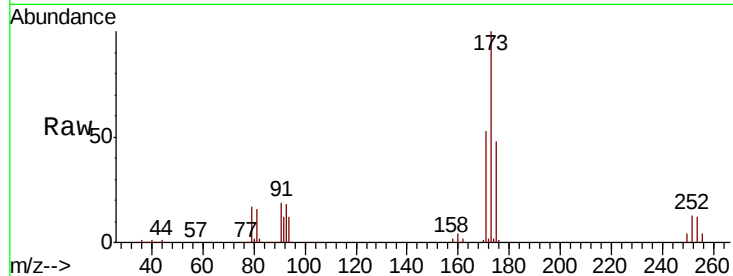
ClientSampleId :

VX0928MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

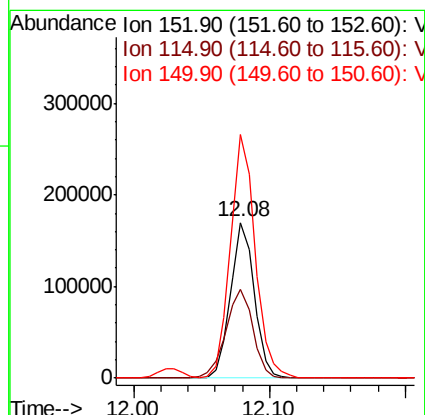
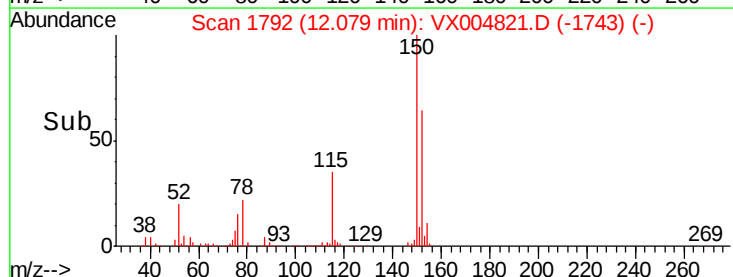
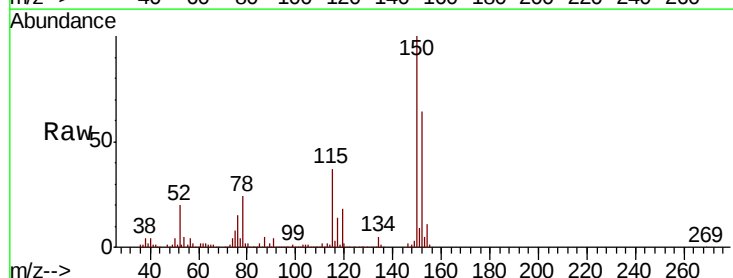
RT: 12.08 min Scan# 1792

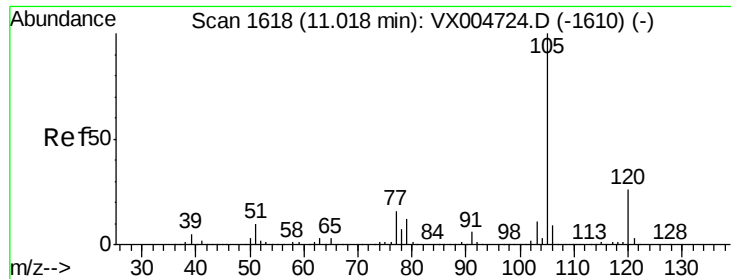
Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	39.0	117.0
150	163.7	0.0	351.0





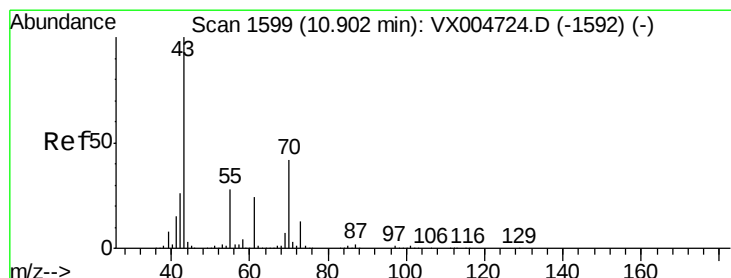
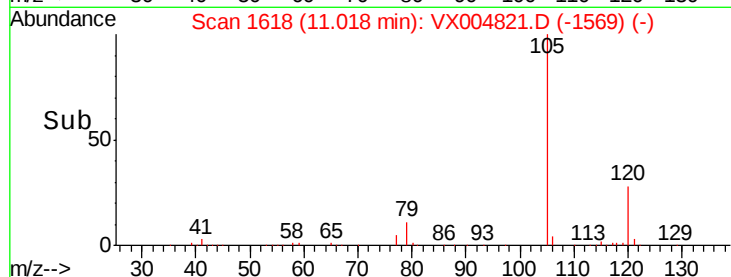
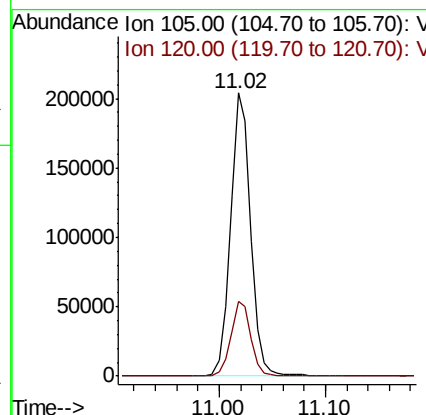
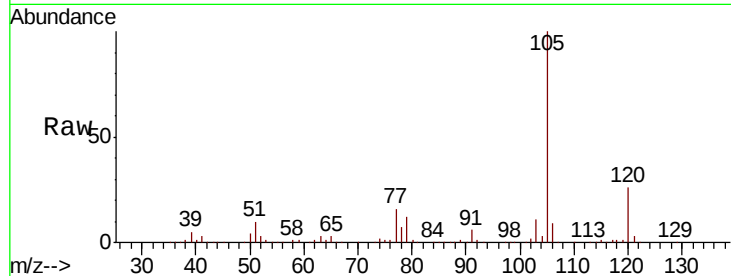
#73
Isopropylbenzene
Concen: 20.705 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion: 105 Resp: 268928
Ion Ratio Lower Upper
105 100
120 26.2 13.5 40.4

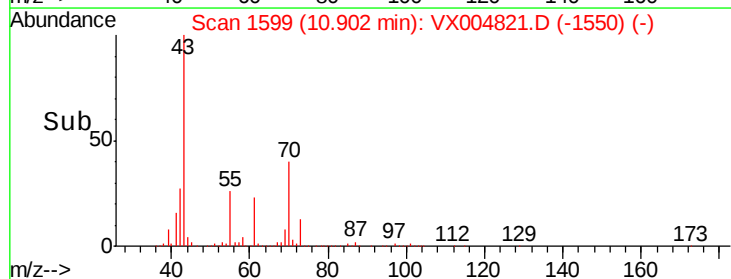
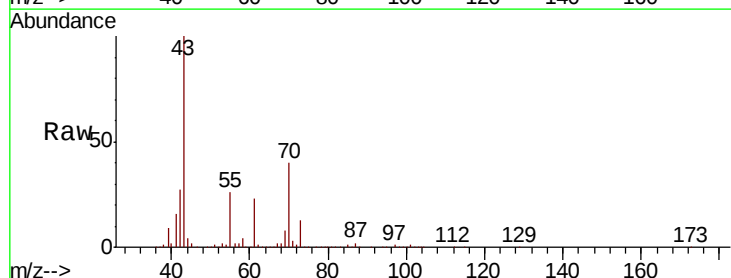
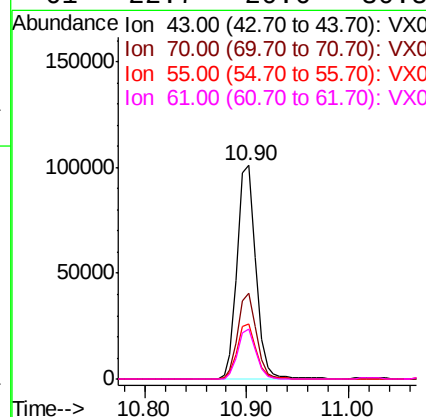
Manual Integrations
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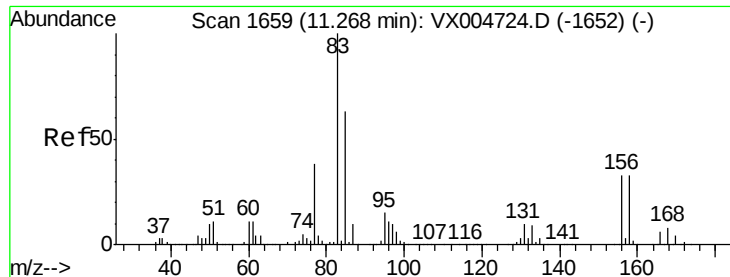
MMDadoda
10/1/2018 1:31:28 PM



#74
N-ethyl acetate
Concen: 18.976 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion: 43 Resp: 127450
Ion Ratio Lower Upper
43 100
70 39.9 37.4 56.0
55 26.2 21.8 32.8
61 22.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.500 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

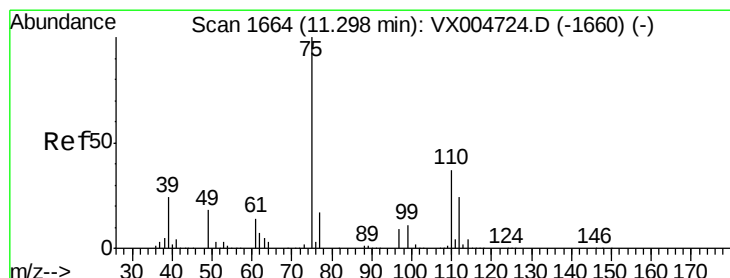
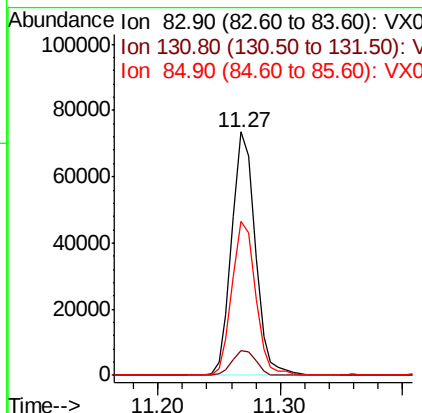
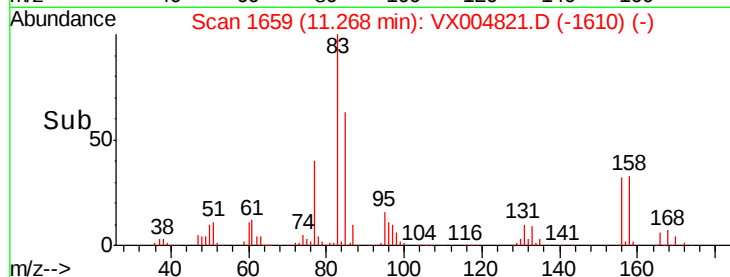
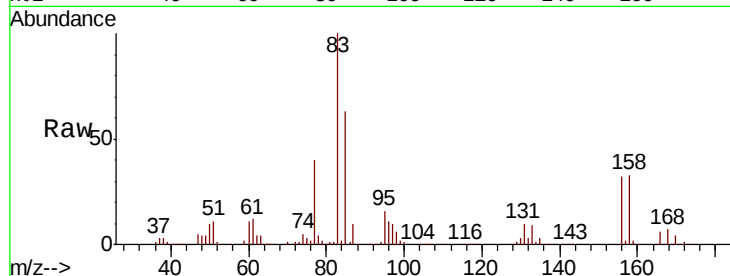
ClientSampled :

VX0928MBS01

Tot Ion:	83	Resp:	97816
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	63.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.948 ug/l m

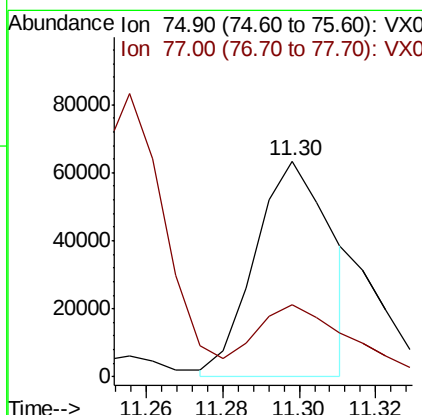
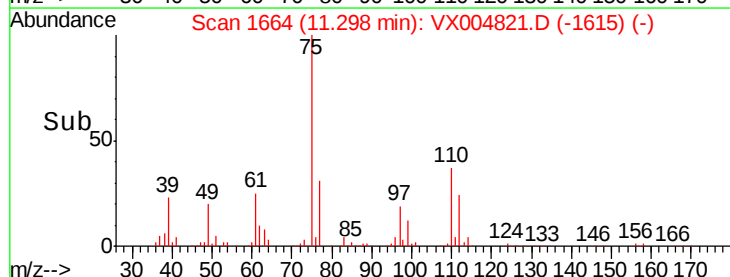
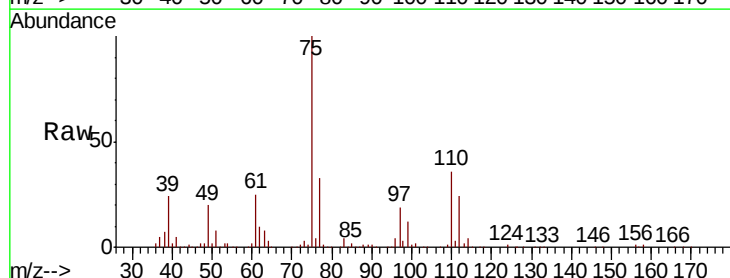
RT: 11.30 min Scan# 1664

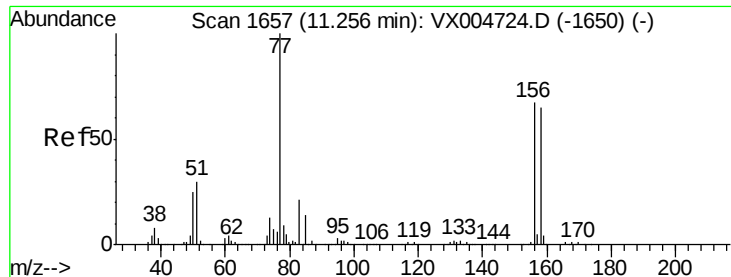
Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion:	75	Resp:	87514
Ion Ratio	Lower	Upper	
75	100		
77	41.4	20.2	60.6





#77

Bromobenzene

Concen: 19.231 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX0928MBS01

Tot Ion:156 Resp: 72554

Ion Ratio Lower Upper

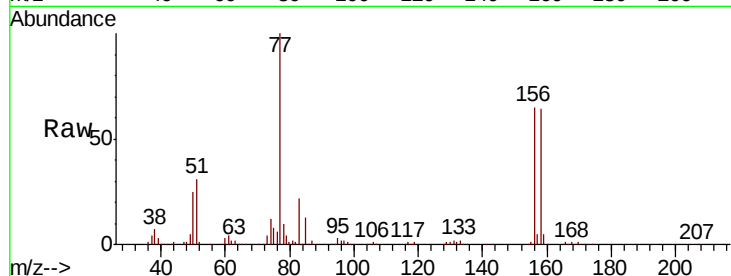
156 100

77 150.4 71.5 214.3

158 98.6 48.9 146.8

Manual Integrations
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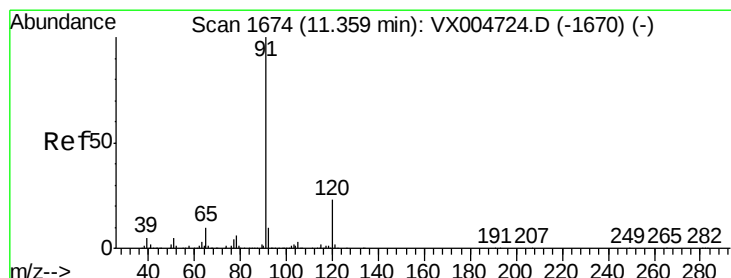
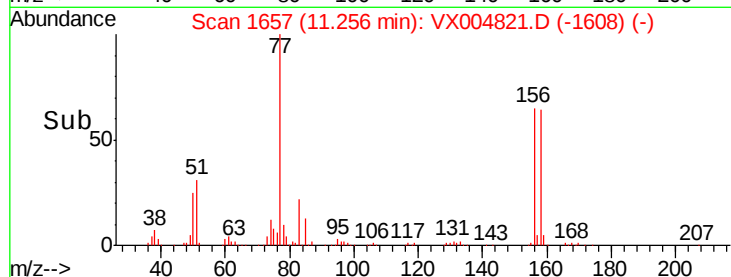
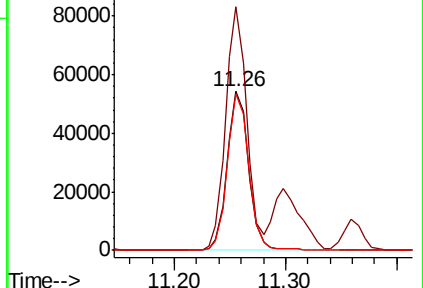
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.534 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004821.D

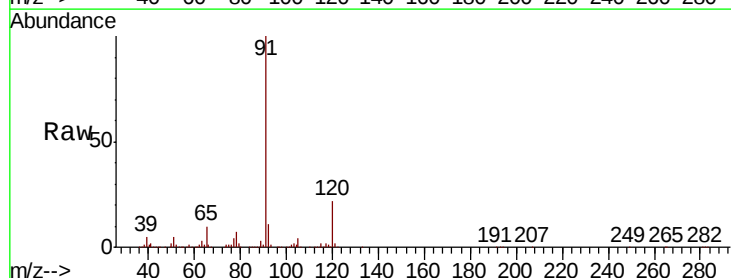
Acq: 28 Sep 2018 15:12

Tgt Ion: 91 Resp: 306019

Ion Ratio Lower Upper

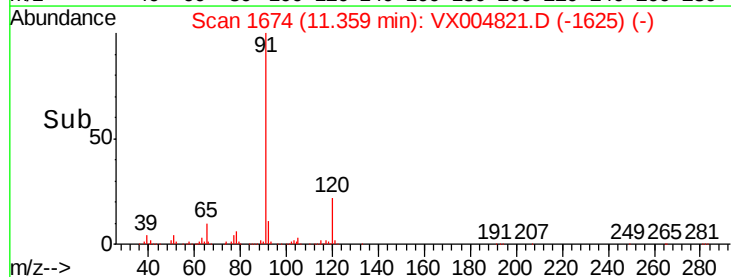
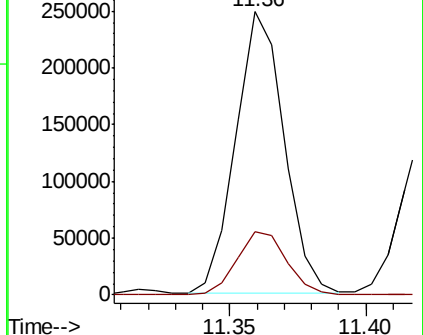
91 100

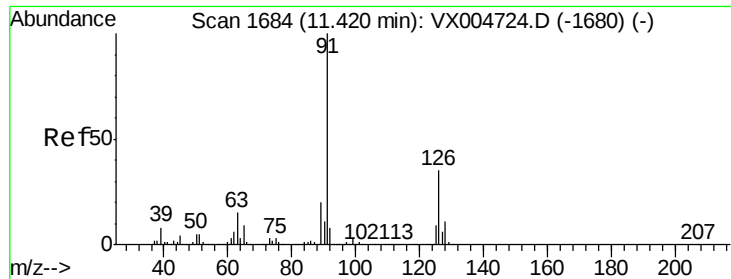
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.134 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX0928MBS01

Tot Ion: 91 Resp: 187028

Ion Ratio Lower Upper

91 100

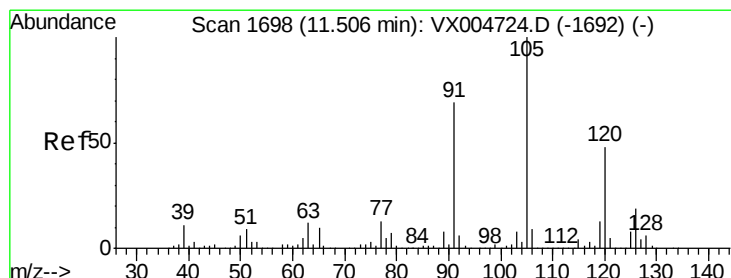
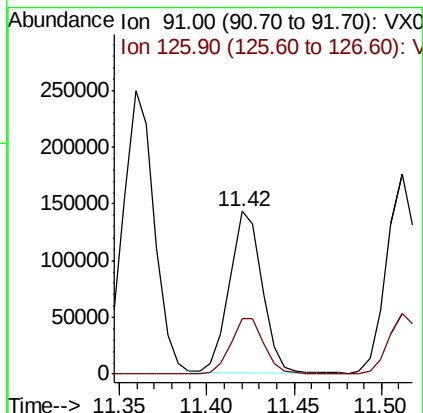
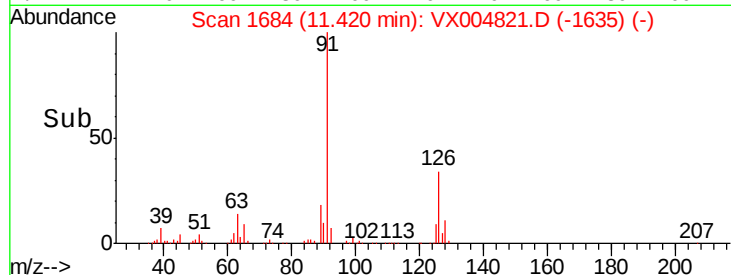
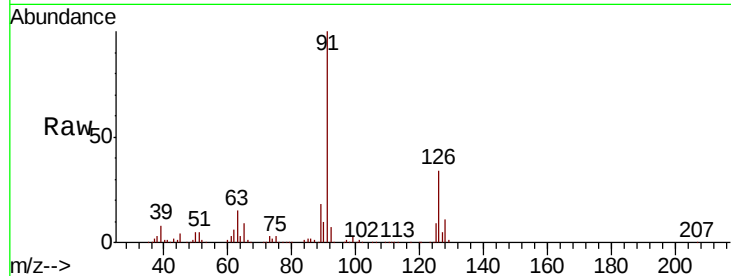
126 35.0 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.945 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004821.D

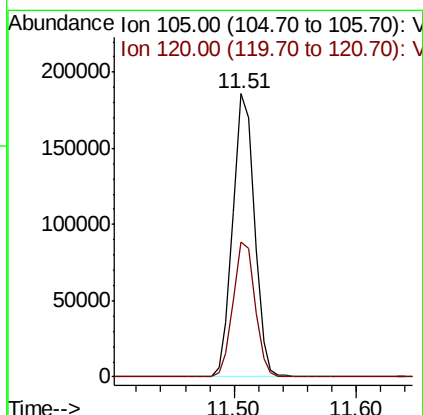
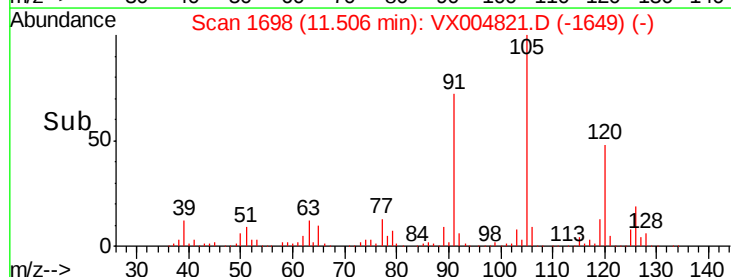
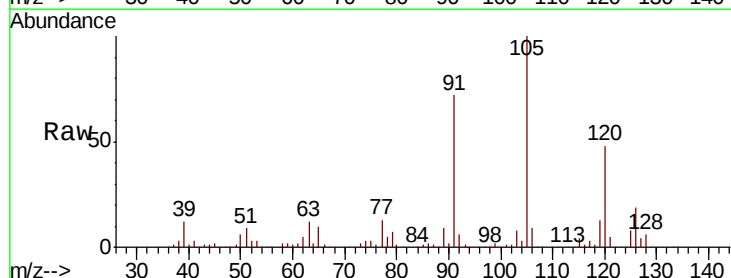
Acq: 28 Sep 2018 15:12

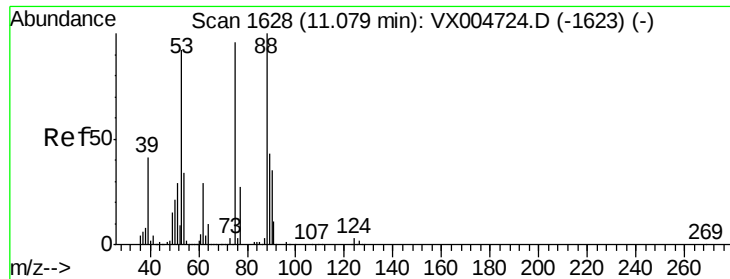
Tgt Ion: 105 Resp: 226999

Ion Ratio Lower Upper

105 100

120 48.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.277 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion: 75 Resp: 25200

Ion Ratio Lower Upper

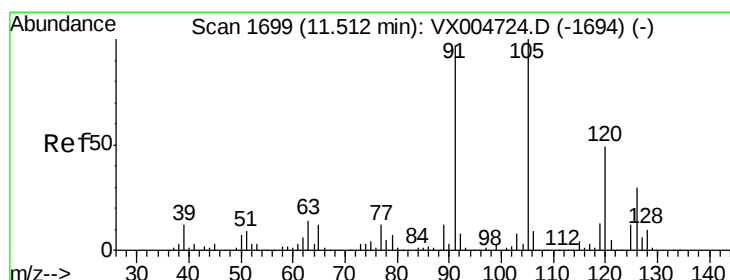
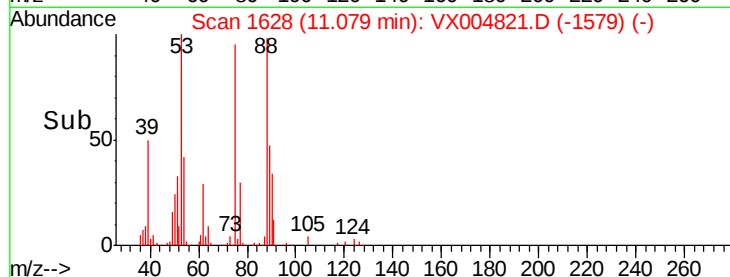
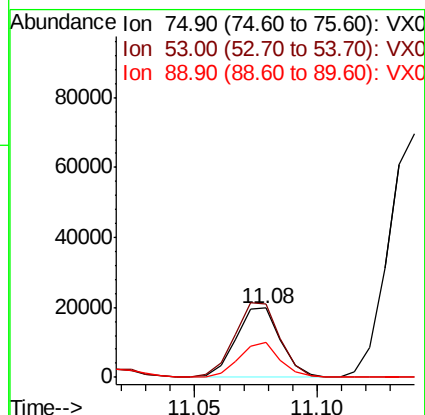
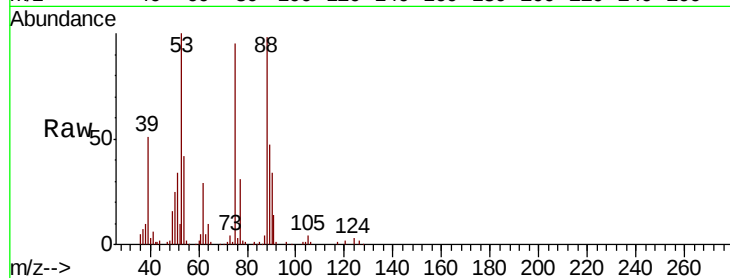
75 100

53 107.7 80.1 120.1

89 46.4 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.119 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004821.D

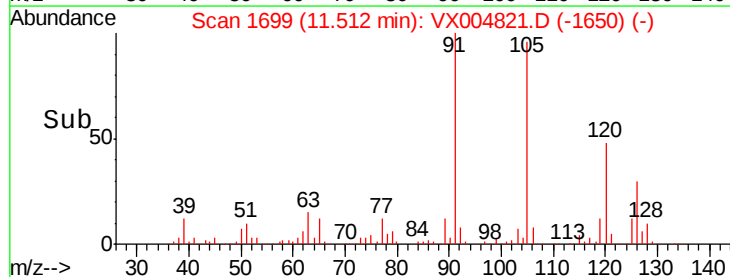
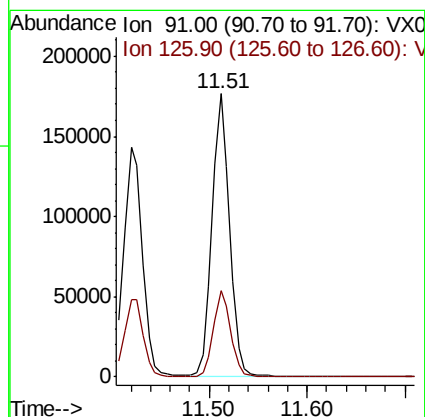
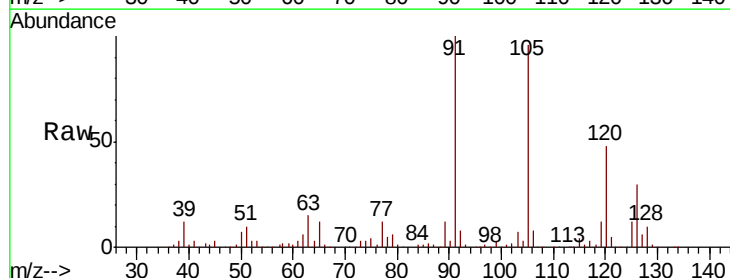
Acq: 28 Sep 2018 15:12

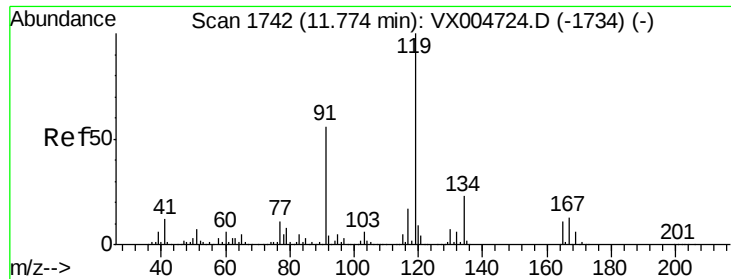
Tgt Ion: 91 Resp: 219979

Ion Ratio Lower Upper

91 100

126 30.2 15.5 46.5





#83

tert-Butylbenzene

Concen: 20.463 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

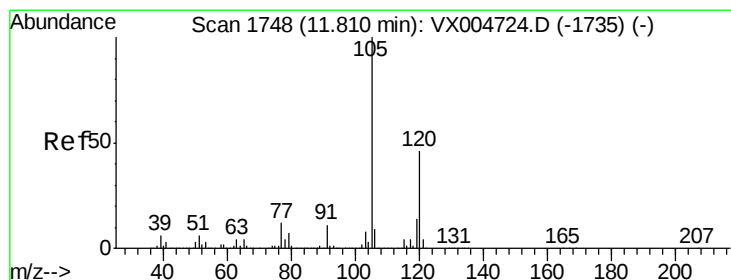
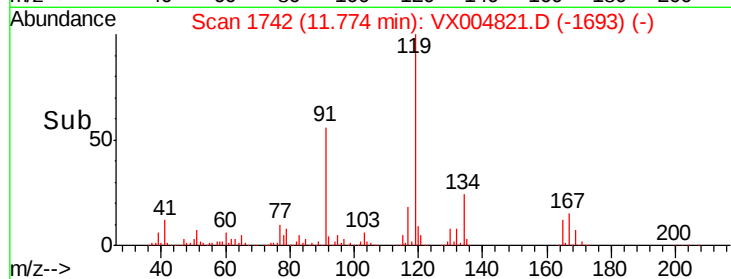
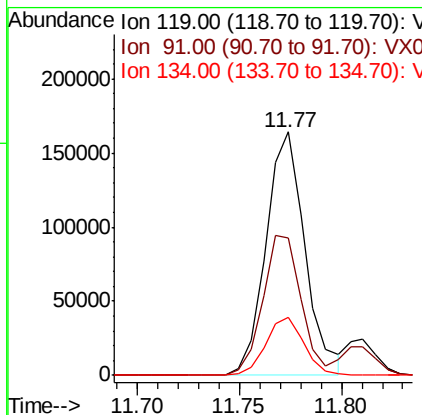
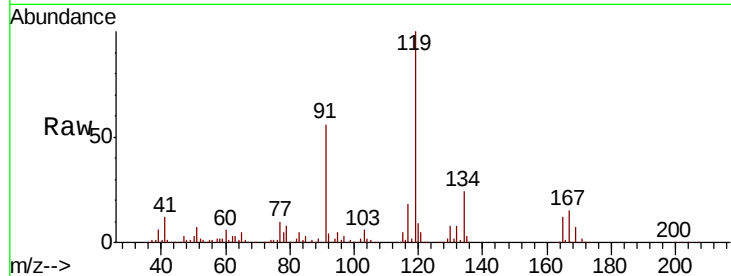
ClientSampleId :

VX0928MBS01

Tot Ion:	119	Resp:	218832
Ion Ratio	Lower	Upper	
119	100		
91	56.4	27.0	81.0
134	23.5	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.921 ug/l

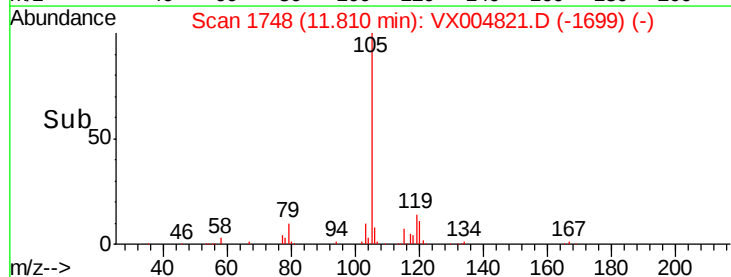
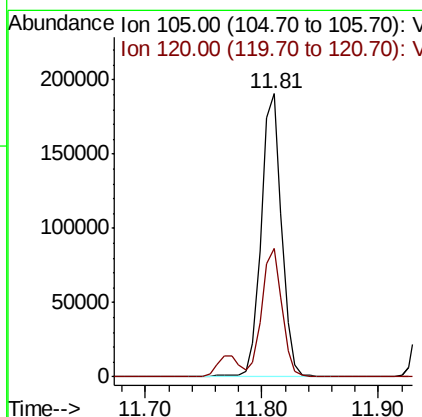
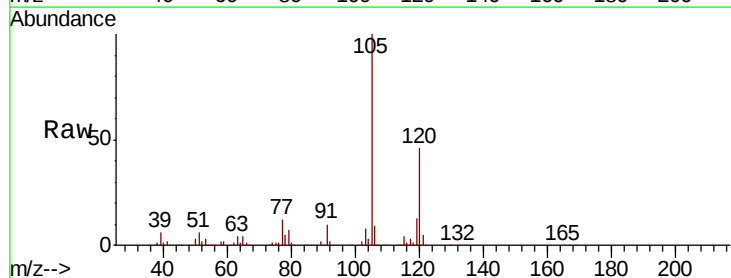
RT: 11.81 min Scan# 1748

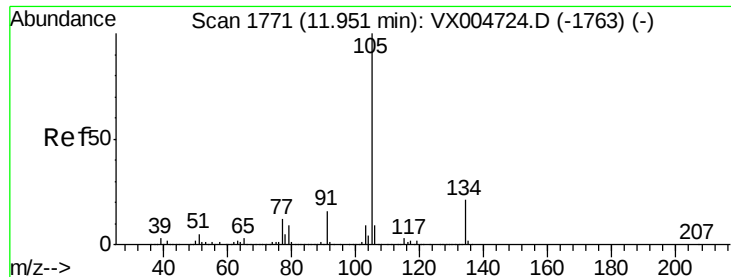
Delta R.T. 0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion:	105	Resp:	233804
Ion Ratio	Lower	Upper	
105	100		
120	44.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.691 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0928MBS01

Tot Ion:105 Resp: 269521

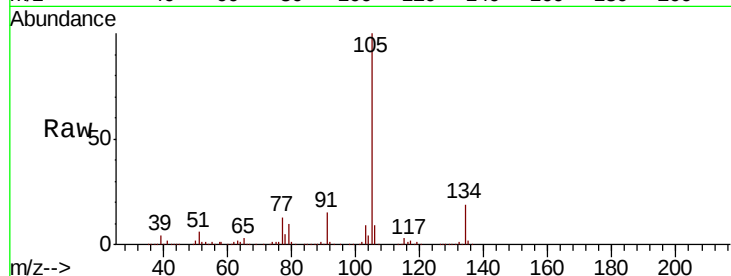
Ion Ratio Lower Upper

105 100

134 20.0 10.5 31.5

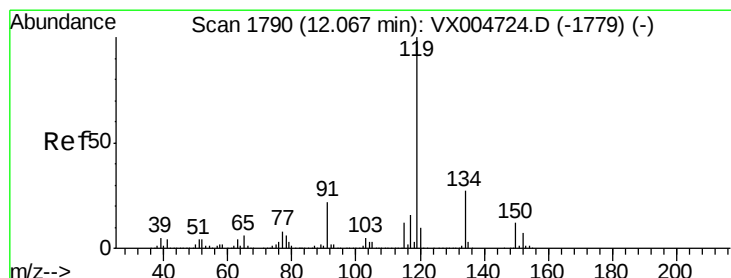
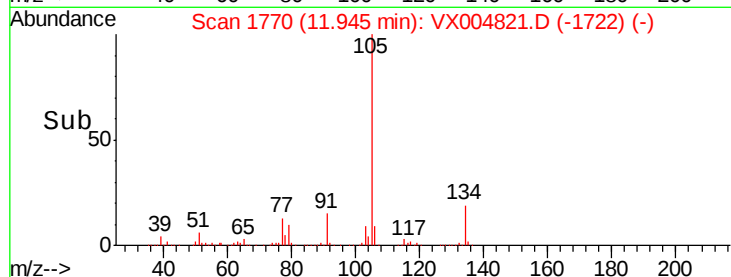
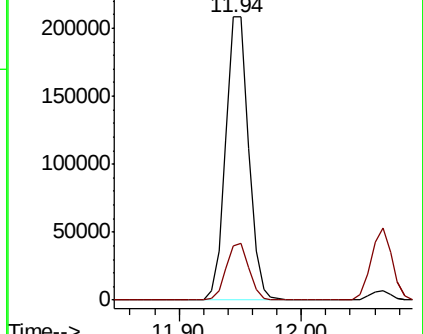
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.325 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

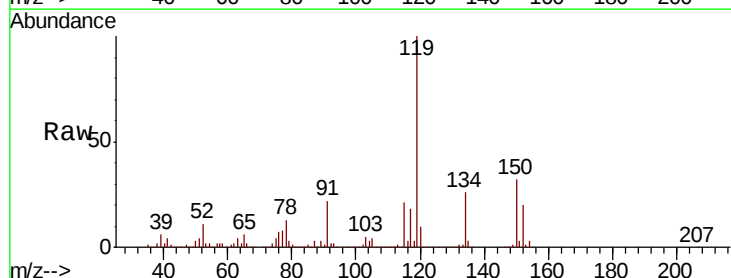
Tgt Ion:119 Resp: 239863

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

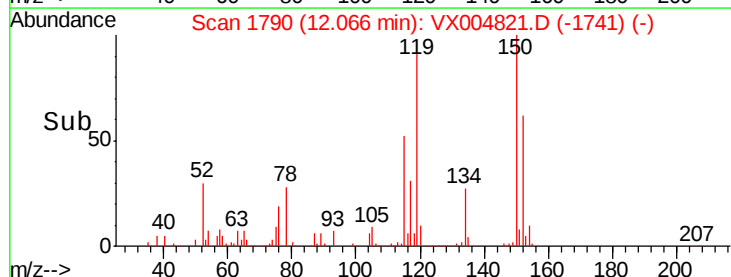
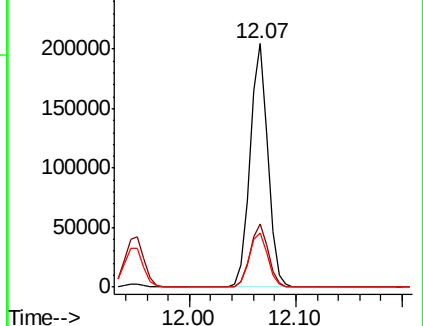
91 23.2 10.9 32.7

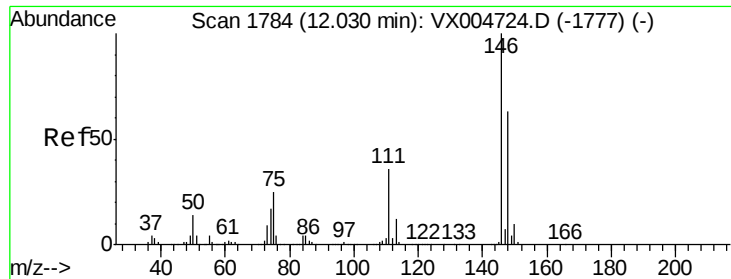


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.003 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

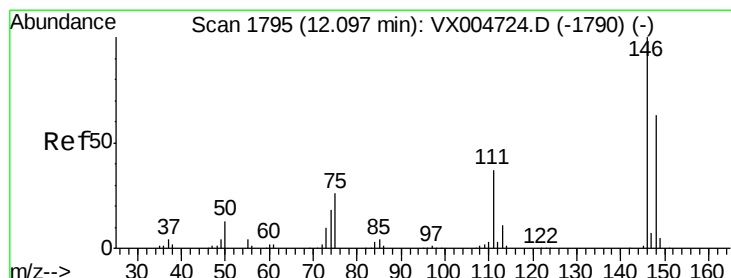
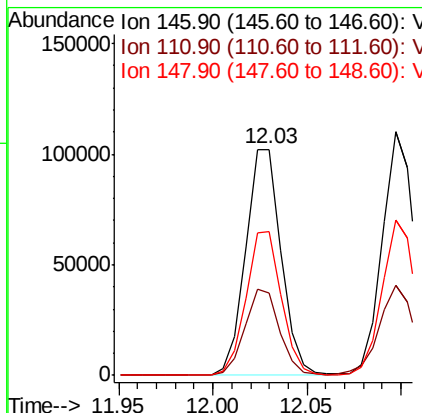
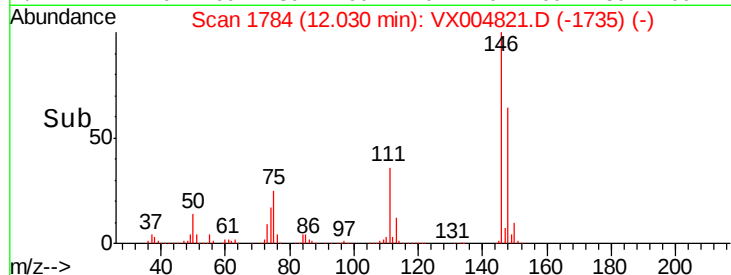
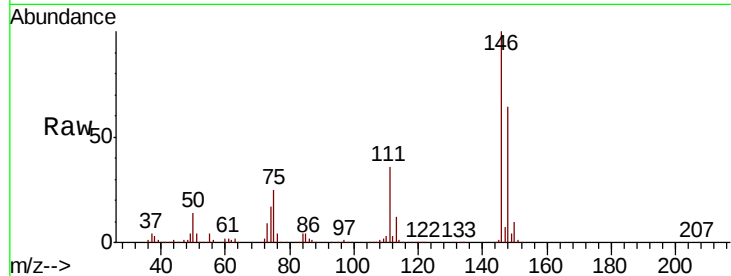
ClientSampled :

VX0928MBS01

Tot Ion:	146	Resp:	133874
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	63.5	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 18.488 ug/l

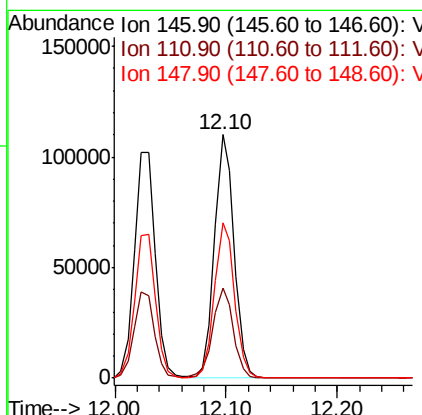
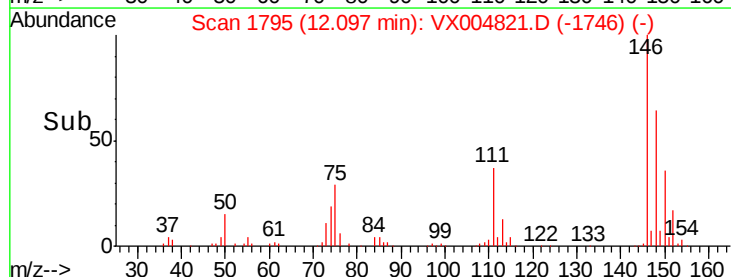
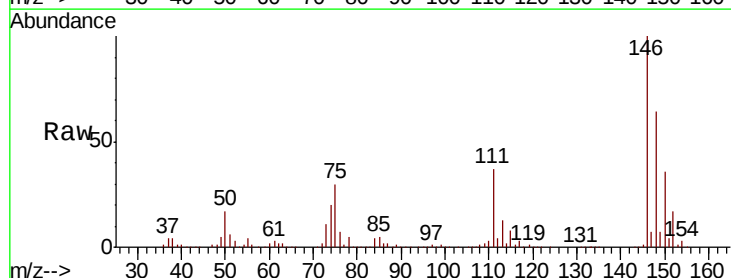
RT: 12.10 min Scan# 1795

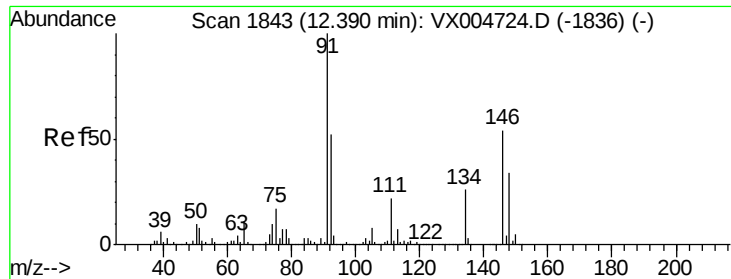
Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Tgt Ion:	146	Resp:	134447
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.1	54.1
148	65.2	32.0	96.0





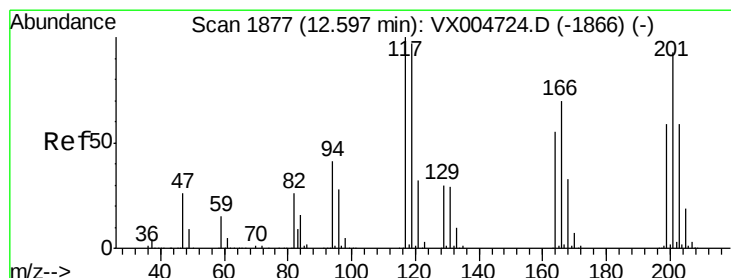
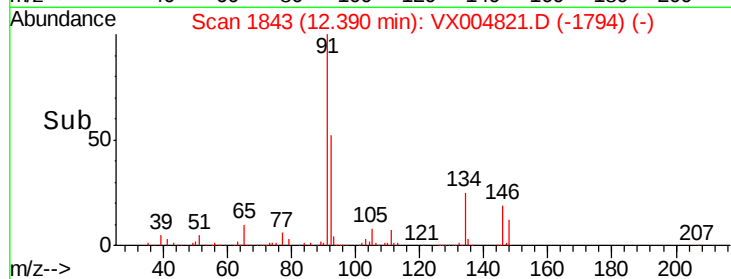
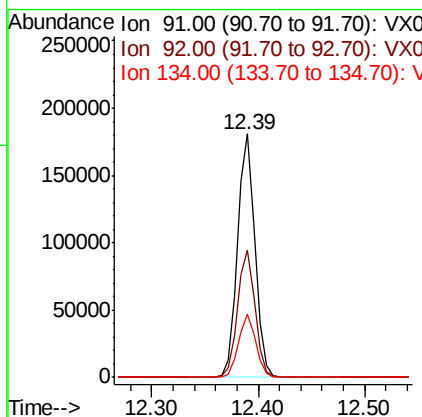
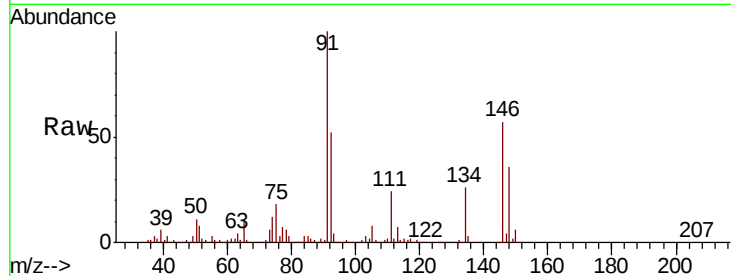
#89
n-Butylbenzene
Concen: 19.431 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.3	27.3	81.9	
134	25.6	13.6	40.7	

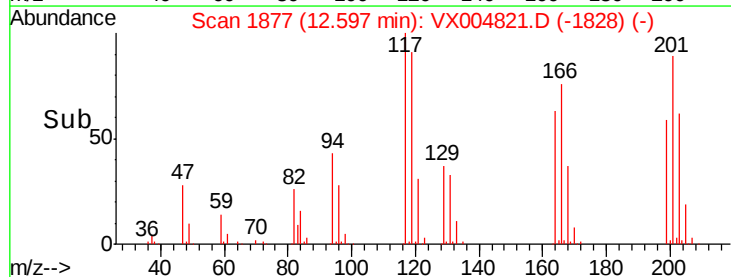
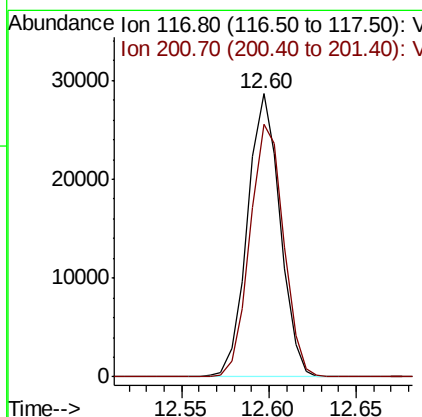
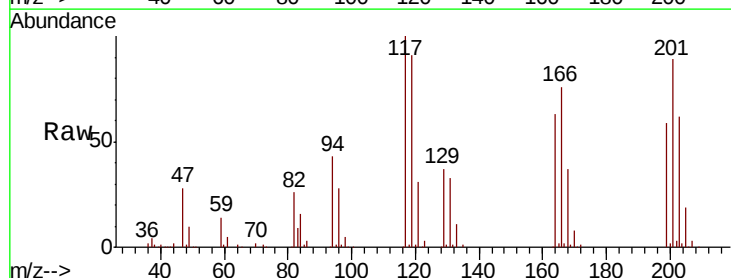
Manual Integrations
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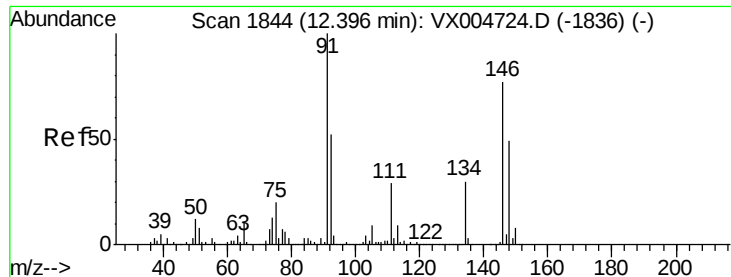
MMDadoda
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#90
Hexachloroethane
Concen: 18.875 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.2	46.9	140.6	





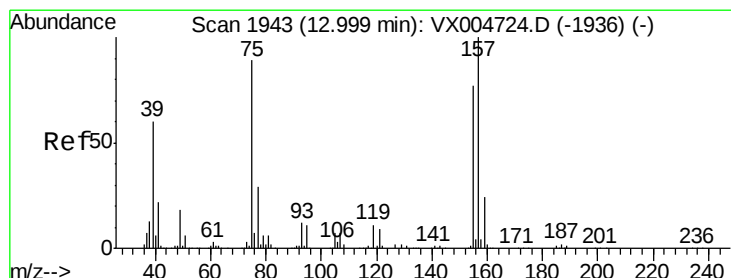
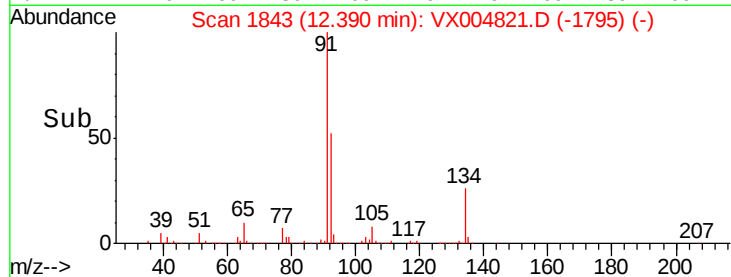
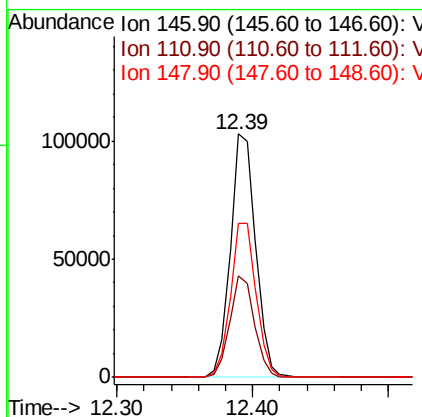
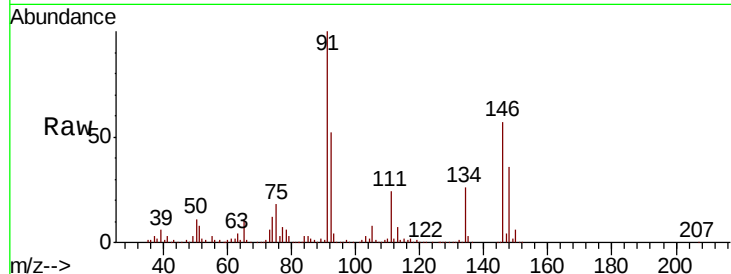
#91
 1,2-Dichlorobenzene
 Concen: 18.000 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0928MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.1
148	64.5	32.8	98.3

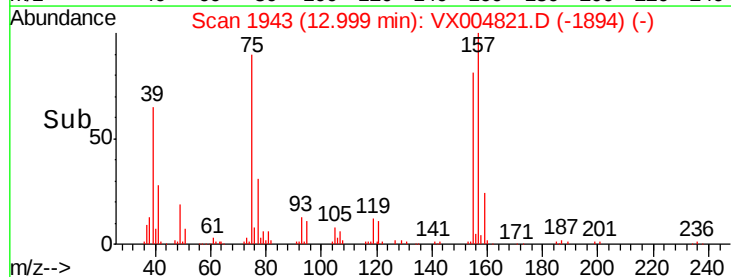
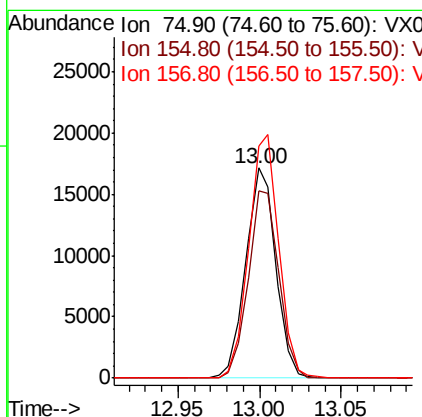
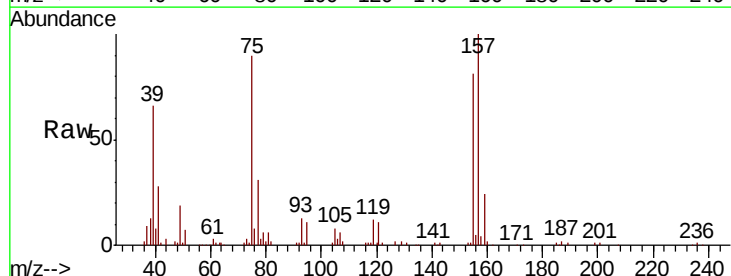
Manual Integrations
 APPROVED

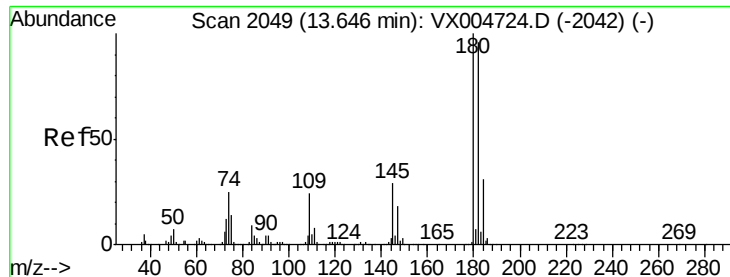
MMDadoda
 10/1/2018 1:31:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.008 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004821.D
 Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	48.0	144.2
157	115.3	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 18.626 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004821.D

Acq: 28 Sep 2018 15:12

Instrument :

MSVOA_X

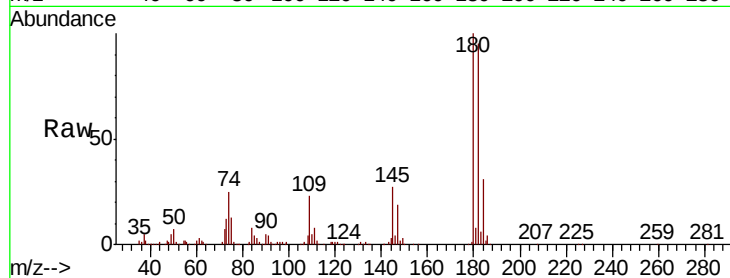
ClientSampleId :

VX0928MBS01

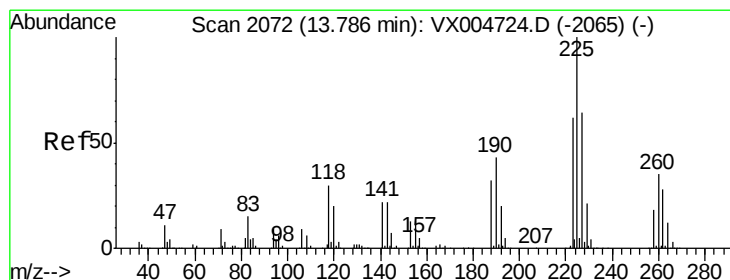
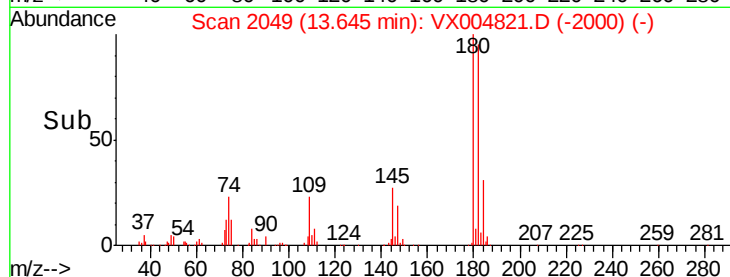
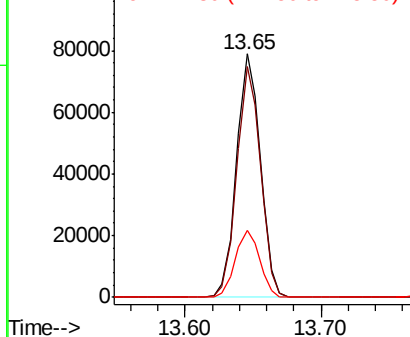
Tot Ion:	180	Resp:	96190
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.4	145.0
145	28.1	14.3	42.9

Manual Integrations
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10/1/2018 1:31:28 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.515 ug/l

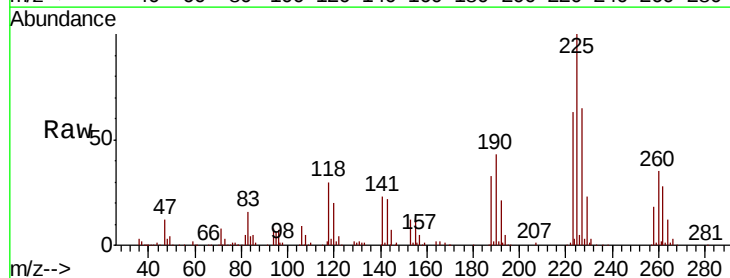
RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

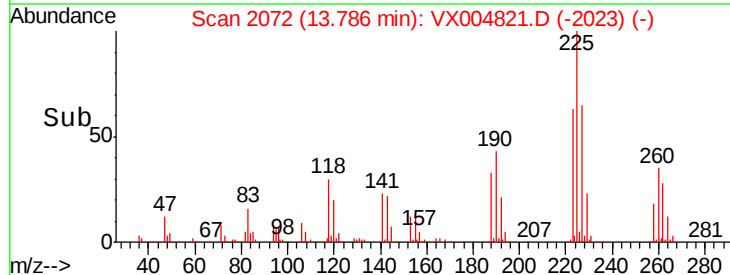
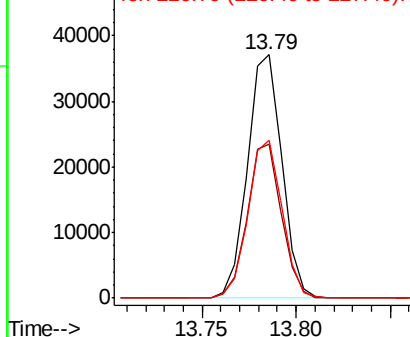
Lab File: VX004821.D

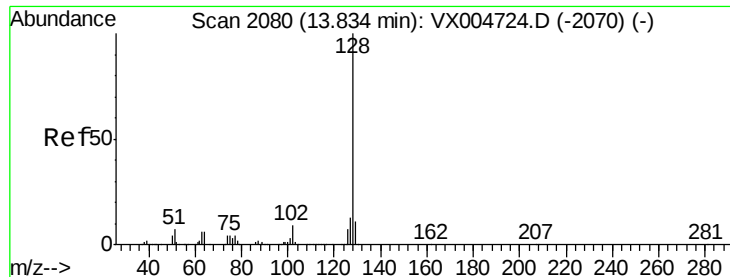
Acq: 28 Sep 2018 15:12

Tgt Ion:	225	Resp:	46906
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.1	90.5
227	64.3	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





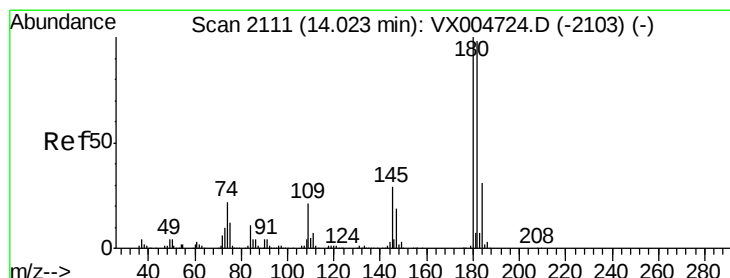
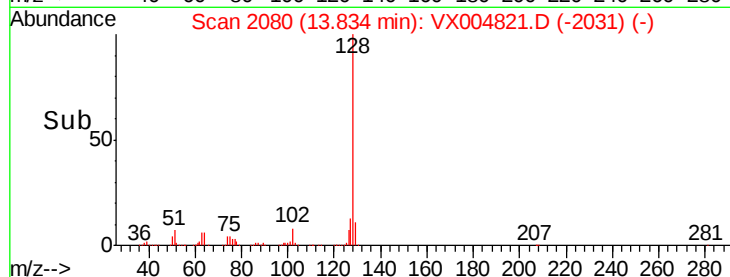
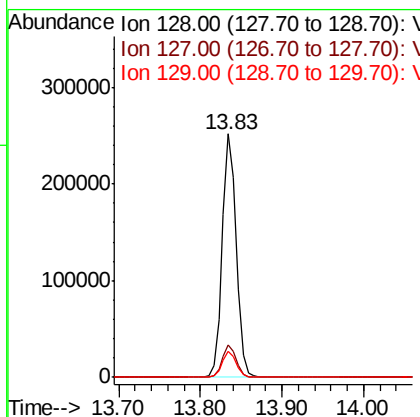
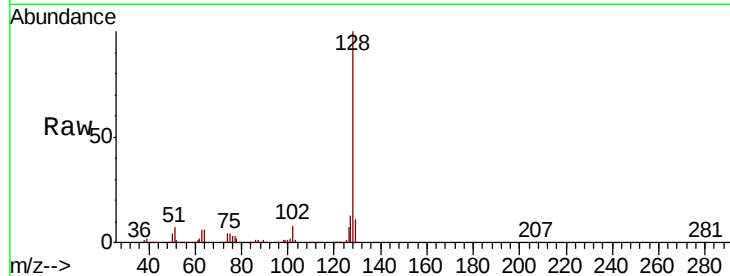
#95
Naphthalene
Concen: 18.071 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0928MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	301769		
127	13.1		10.2	15.2
129	10.8		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.520 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004821.D
Acq: 28 Sep 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98800		
182	96.4		48.5	145.6
145	30.4		14.9	44.9

