

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004121.D
 Acq On : 17 Aug 2018 08:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:04:04 AM

Quant Time: Aug 18 01:48:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211997	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	5.50	113	171392	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	8.71	98	701965	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.14	95	243074	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	153605	51.11	ug/l	100
3) Chloromethane	1.32	50	218010	59.11	ug/l	99
4) Vinyl Chloride	1.41	62	189586	47.51	ug/l	99
5) Bromomethane	1.64	94	88792	43.89	ug/l	100
6) Chloroethane	1.72	64	133223	50.78	ug/l	96
7) Trichlorofluoromethane	1.93	101	276173	49.33	ug/l	99
8) Diethyl Ether	2.19	74	117078	47.91	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	174503	49.97	ug/l	100
10) Methyl Iodide	2.51	142	121374	34.29	ug/l	100
11) Tert butyl alcohol	3.04	59	198645	226.76	ug/l	99
12) 1,1-Dichloroethene	2.38	96	157242	48.41	ug/l	96
13) Acrolein	2.29	56	93292	161.04	ug/l	100
14) Allyl chloride	2.73	41	291183	47.12	ug/l	96
15) Acrylonitrile	3.14	53	506862	232.06	ug/l	99
16) Acetone	2.44	43	581252	256.99	ug/l	100
17) Carbon Disulfide	2.57	76	442403	48.02	ug/l	100
18) Methyl Acetate	2.77	43	247830	49.31	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	541230	47.30	ug/l	99
20) Methylene Chloride	2.86	84	188114	50.90	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	175221	47.50	ug/l	97
22) Diisopropyl ether	3.86	45	562806	46.47	ug/l #	90
23) Vinyl Acetate	3.82	43	2428537	244.16	ug/l	100
24) 1,1-Dichloroethane	3.70	63	349164	50.90	ug/l	100
25) 2-Butanone	4.70	43	871962	236.95	ug/l	99
26) 2,2-Dichloropropane	4.59	77	262751	48.18	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	200619	48.37	ug/l	97
28) Bromochloromethane	5.02	49	147842	46.98	ug/l	97
29) Tetrahydrofuran	5.15	42	409893	218.01	ug/l	99
30) Chloroform	5.21	83	319021	47.65	ug/l	99
31) Cyclohexane	5.58	56	278762	46.36	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	273951	48.97	ug/l	98
36) 1,1-Dichloropropene	5.80	75	252733	50.56	ug/l	100
37) Ethyl Acetate	4.85	43	255772	46.98	ug/l	99
38) Carbon Tetrachloride	5.78	117	253655	52.23	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	305288	53.83	ug/l	98
40) Benzene	6.14	78	761536	50.73	ug/l	98
41) Methacrylonitrile	5.06	41	139932	45.90	ug/l	99
42) 1,2-Dichloroethane	6.20	62	258987	49.29	ug/l	100
43) Isopropyl Acetate	6.46	43	389489	48.54	ug/l	100
44) Trichloroethene	7.21	130	208069	51.06	ug/l	94
45) 1,2-Dichloropropane	7.52	63	200667	52.22	ug/l	100
46) Dibromomethane	7.67	93	130477	51.96	ug/l	99
47) Bromodichloromethane	7.90	83	256372	53.90	ug/l	99
48) Methyl methacrylate	7.77	41	213359	52.82	ug/l	98
49) 1,4-Dioxane	7.76	88	93790	1031.33	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1735491	263.78	ug/l	100
52) Toluene	8.79	92	509208	53.64	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	281894	54.86	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	309657	54.42	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	203686	51.96	ug/l	99
56) Ethyl methacrylate	9.18	69	291107	54.61	ug/l	99
57) 1,3-Dichloropropane	9.37	76	341177	52.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	742680	273.59	ug/l	99
59) 2-Hexanone	9.50	43	1337074	270.03	ug/l	100
60) Dibromochloromethane	9.59	129	207801	55.08	ug/l	100
61) 1,2-Dibromoethane	9.67	107	212983	53.29	ug/l	99
64) Tetrachloroethene	9.34	164	200294	50.69	ug/l	95
65) Chlorobenzene	10.14	112	538224	49.98	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	194908	53.07	ug/l	99
67) Ethyl Benzene	10.25	91	895855	52.54	ug/l	97
68) m/p-Xylenes	10.36	106	720220	107.86	ug/l	97
69) o-Xylene	10.70	106	334786	52.46	ug/l	95
70) Styrene	10.71	104	562681	52.39	ug/l	99
71) Bromoform	10.86	173	150654	51.73	ug/l	100
73) Isopropylbenzene	11.02	105	930150	50.85	ug/l	96
74) N-amyl acetate	6.46	43	389489	45.27	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	308523	48.29	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	276196m	50.95	ug/l	
77) Bromobenzene	11.26	156	247774	49.13	ug/l	99
78) n-propylbenzene	11.36	91	1102477	53.85	ug/l	99
79) 2-Chlorotoluene	11.42	91	626300	50.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	768556	51.31	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	86352	49.31	ug/l	100
82) 4-Chlorotoluene	11.51	91	724014	49.09	ug/l	98
83) tert-Butylbenzene	11.77	119	775902	51.38	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	809305	52.17	ug/l	99
85) sec-Butylbenzene	11.94	105	964293	54.55	ug/l	98
86) p-Isopropyltoluene	12.07	119	839980	52.49	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	452084	47.00	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	477792	48.27	ug/l	99
89) n-Butylbenzene	12.39	91	729935	57.89	ug/l	98
90) Hexachloroethane	12.60	117	126282	52.74	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	471060	54.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55819	49.72	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	320203	54.00	ug/l	96
94) Hexachlorobutadiene	13.79	225	157839	53.10	ug/l	99
95) Naphthalene	13.83	128	986604	52.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	353778	54.72	ug/l	97

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

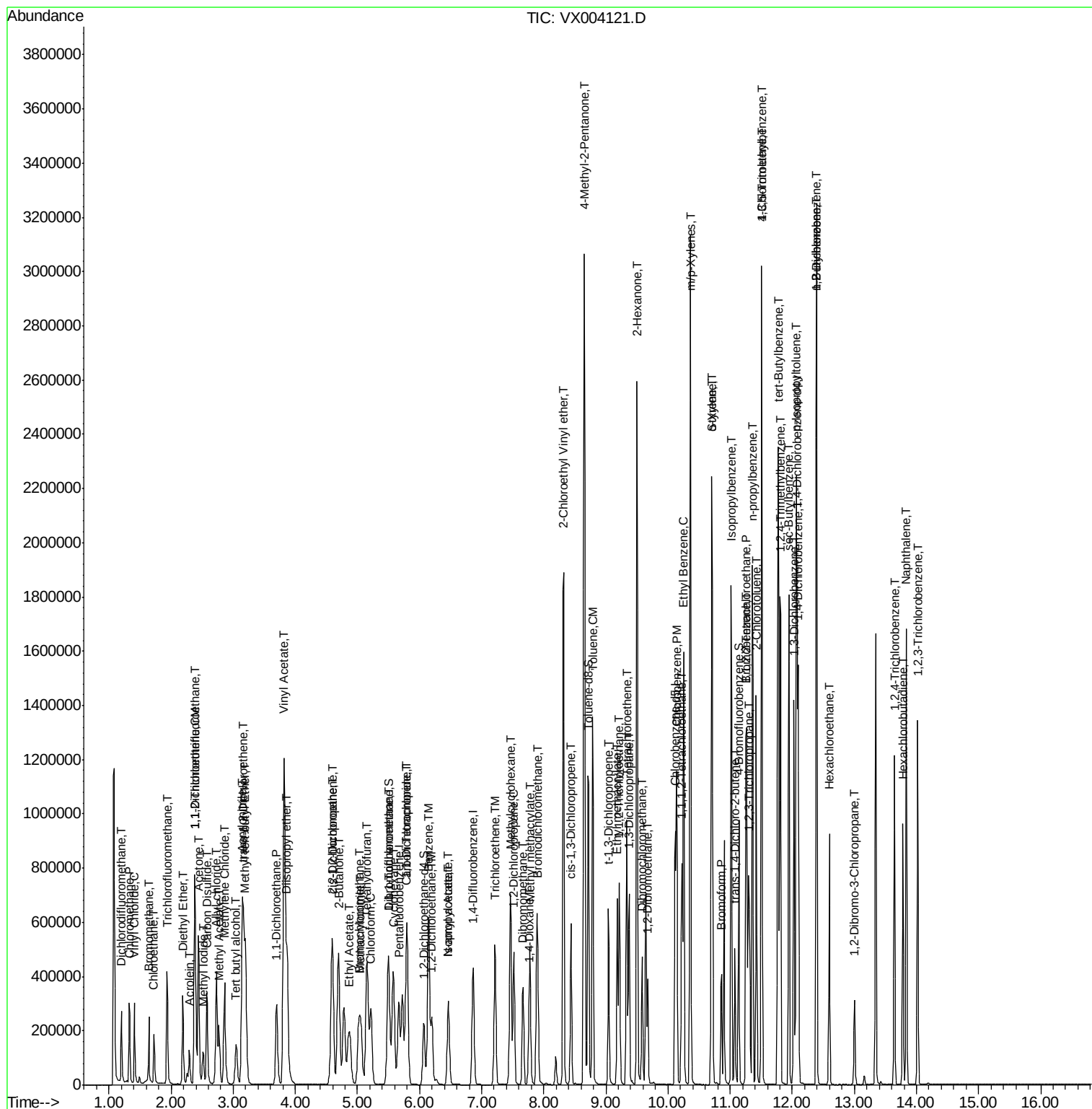
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
Data File : VX004121.D
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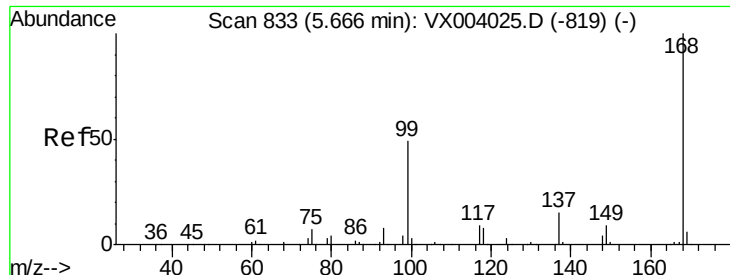
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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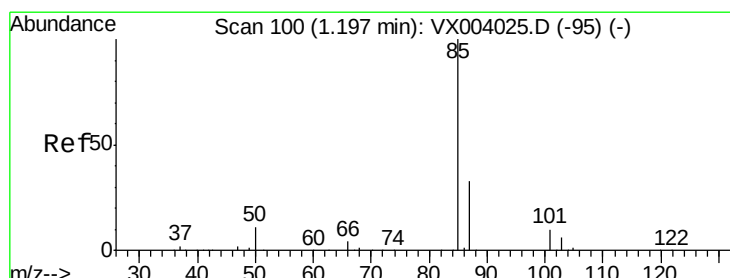
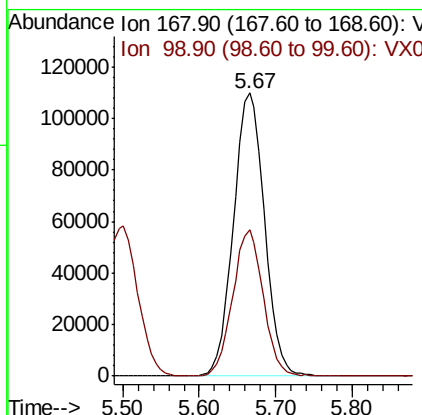
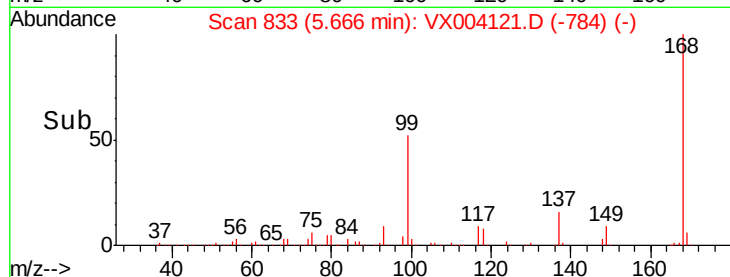
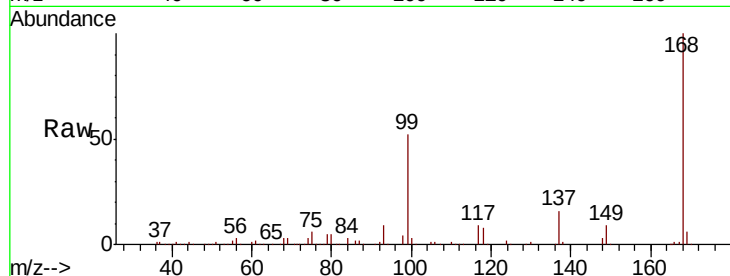
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.7	40.1	60.1

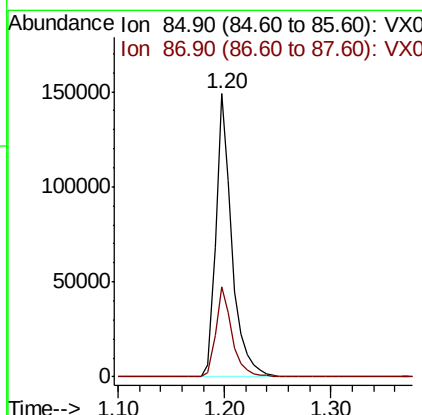
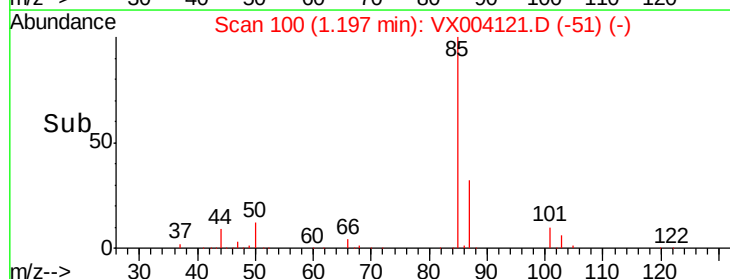
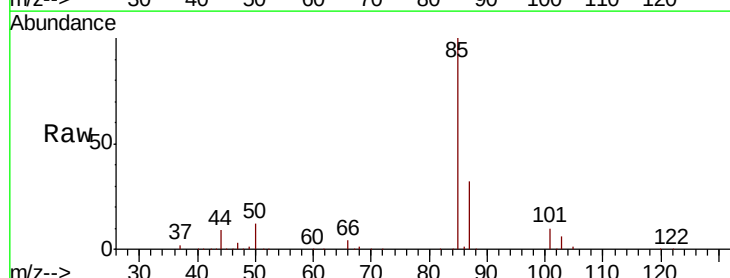
Manual Integrations
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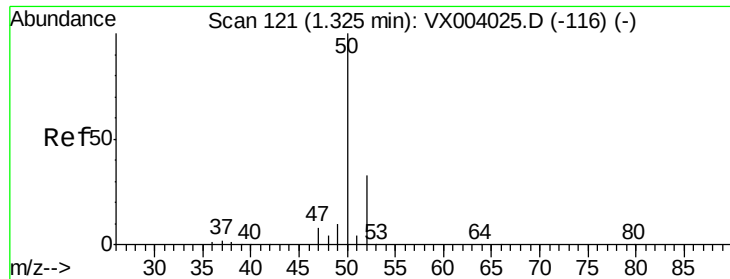
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#2
Dichlorodifluoromethane
Concen: 51.11 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.0	48.0





#3

Chloromethane

Concen: 59.11 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 218010

Ion Ratio Lower Upper

50 100

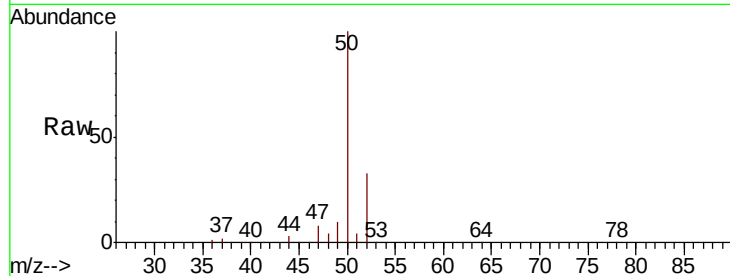
52 32.6 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200000

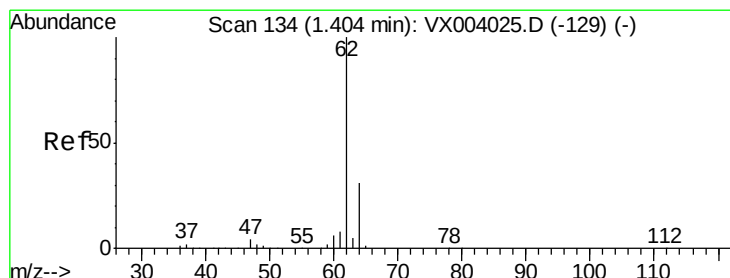
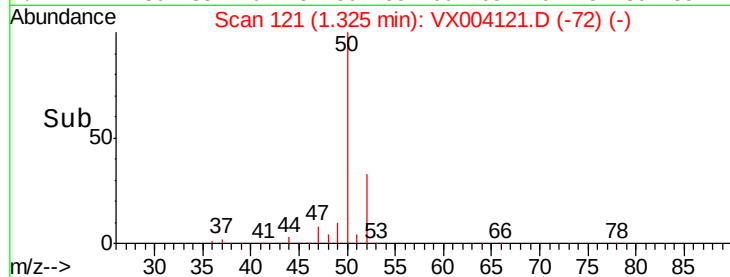
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.51 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX004121.D

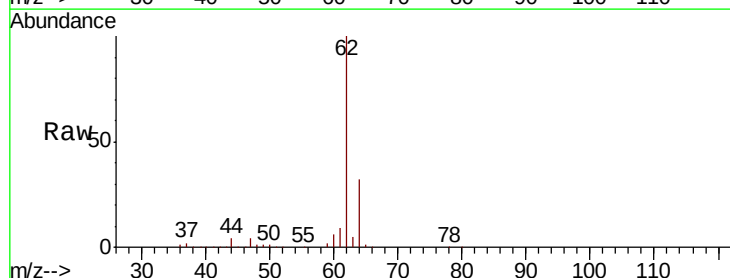
Acq: 17 Aug 2018 08:27

Tgt Ion: 62 Resp: 189586

Ion Ratio Lower Upper

62 100

64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

200000

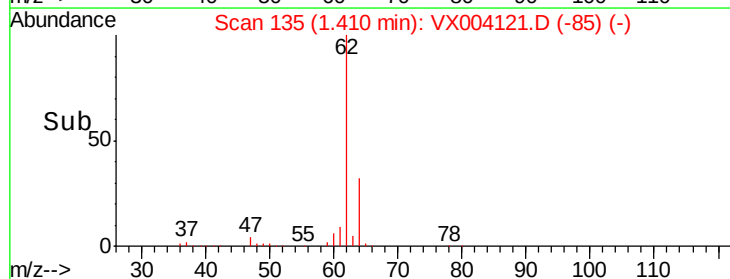
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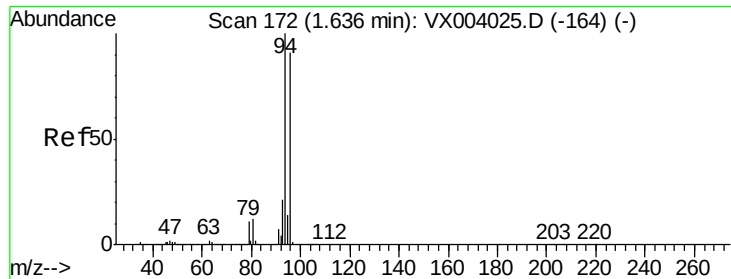
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50000

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Time-->





#5

Bromomethane

Concen: 43.89 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 88792

Ion Ratio Lower Upper

94 100

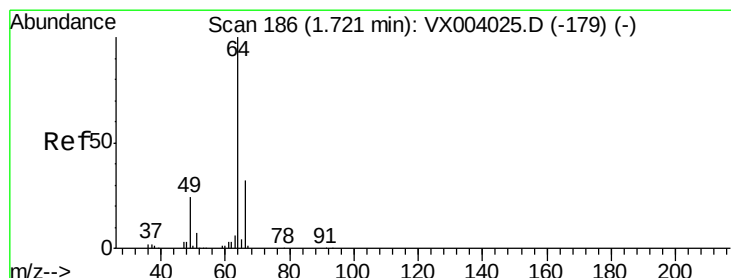
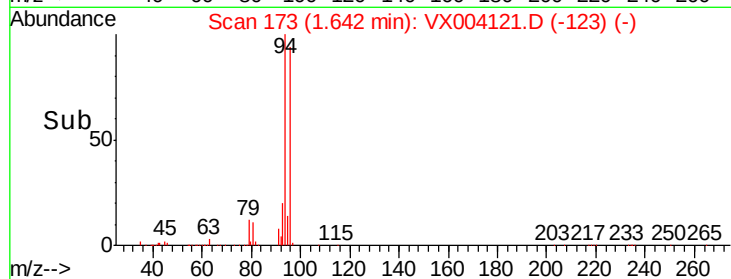
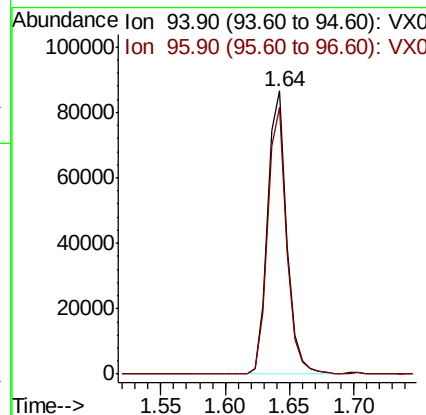
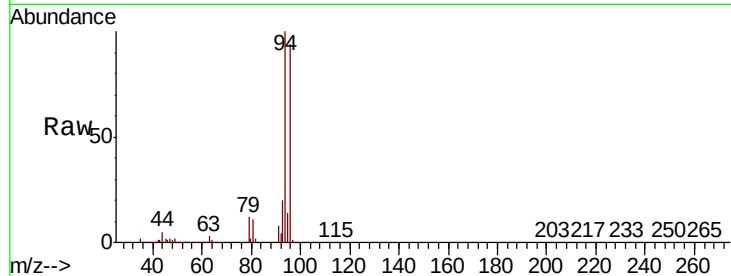
96 94.1 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 50.78 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004121.D

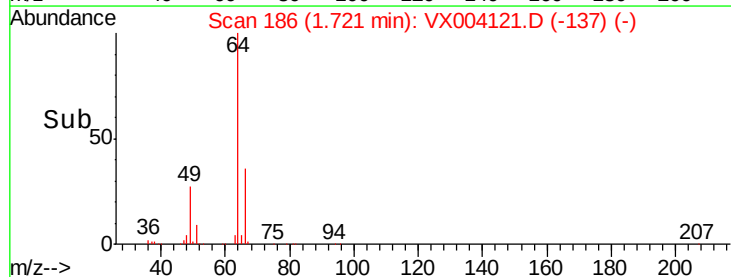
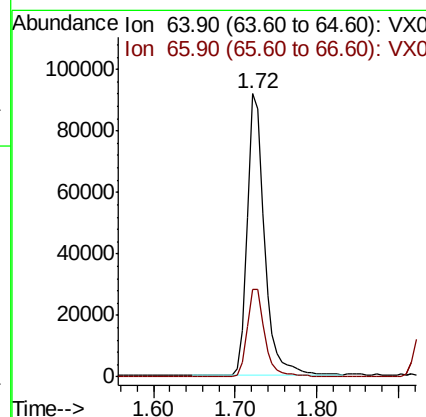
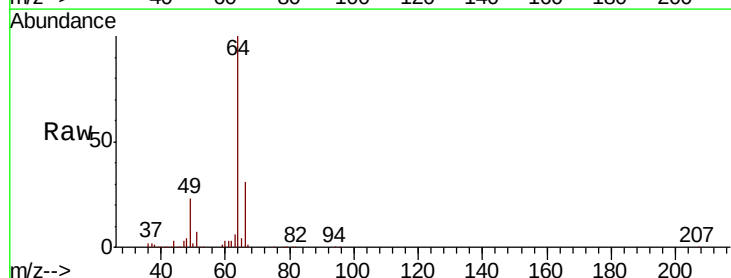
Acq: 17 Aug 2018 08:27

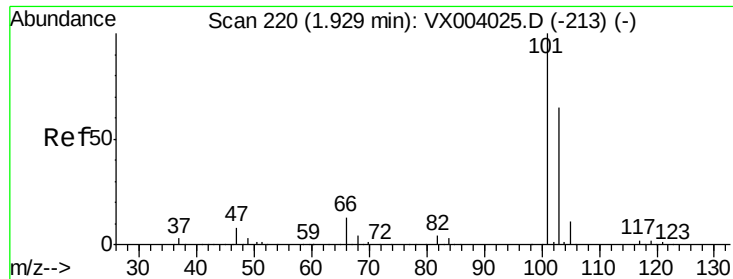
Tgt Ion: 64 Resp: 133223

Ion Ratio Lower Upper

64 100

66 30.9 26.5 39.7





#7

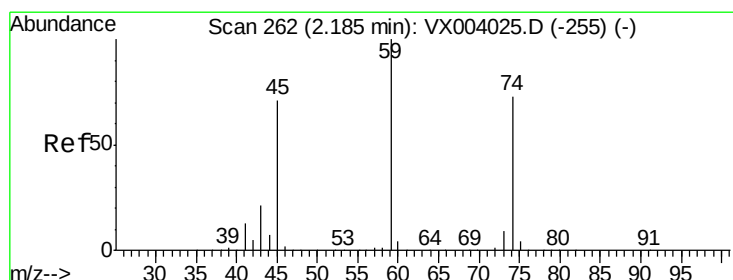
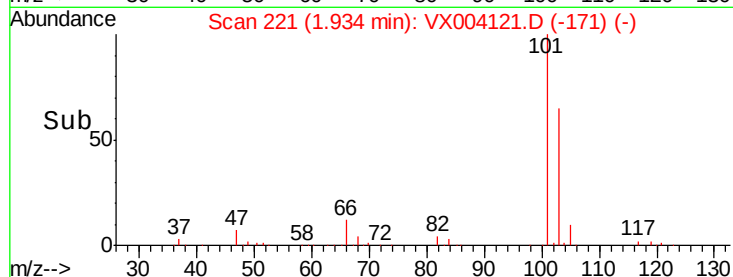
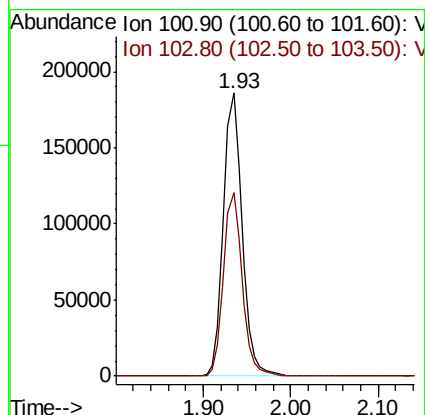
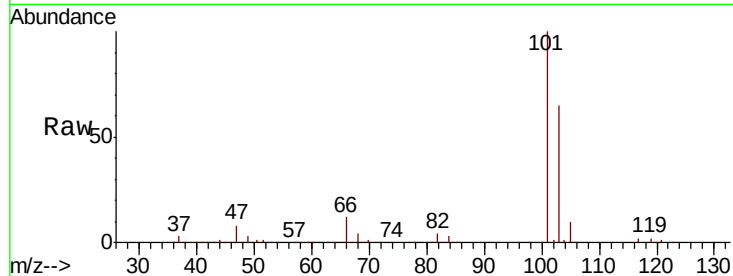
Trichlorofluoromethane
Concen: 49.33 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion:101 Resp: 276173
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

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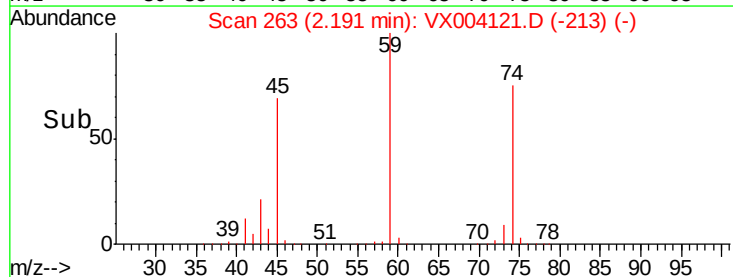
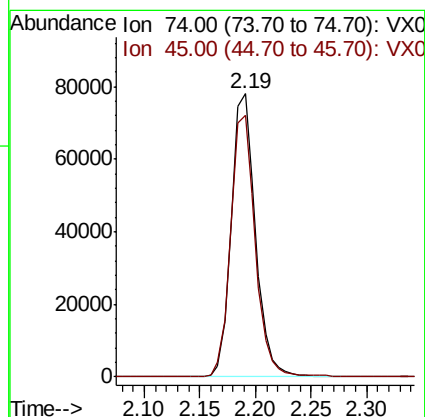
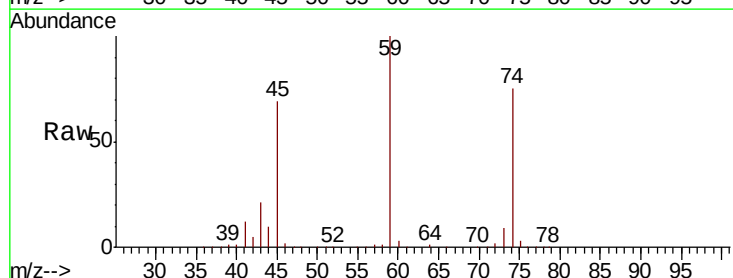
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8/20/2018 10:04:04 AM

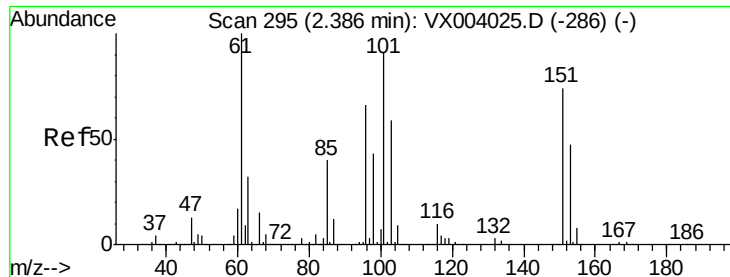


#8

Diethyl Ether
Concen: 47.91 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion: 74 Resp: 117078
Ion Ratio Lower Upper
74 100
45 93.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.97 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004121.D

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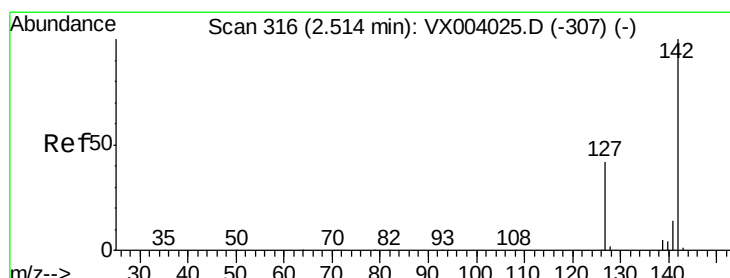
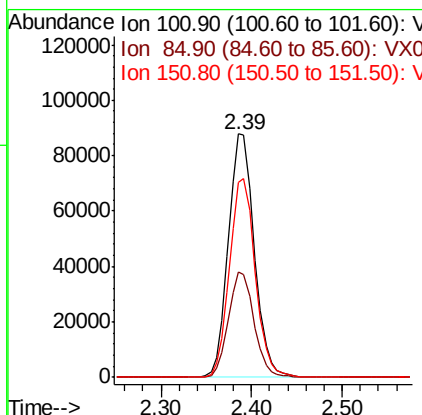
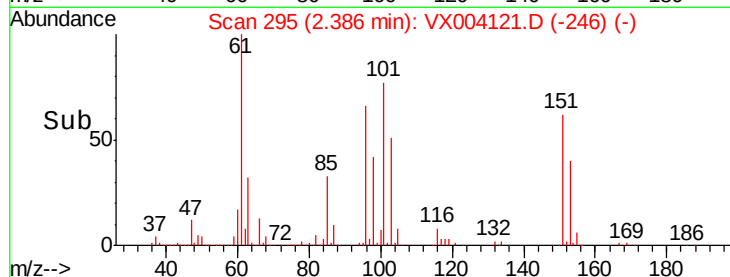
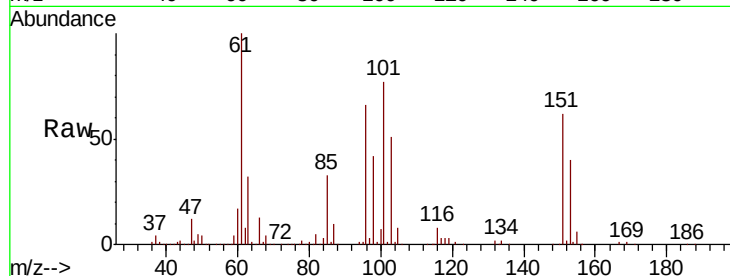
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	174503
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.3	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 34.29 ug/l

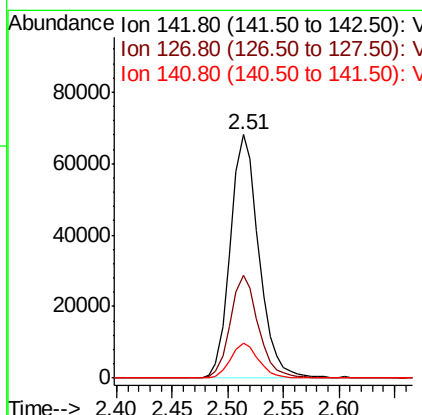
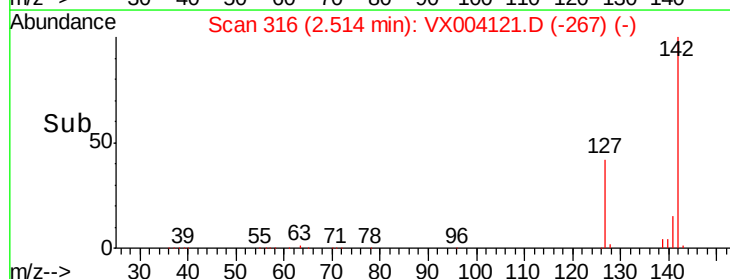
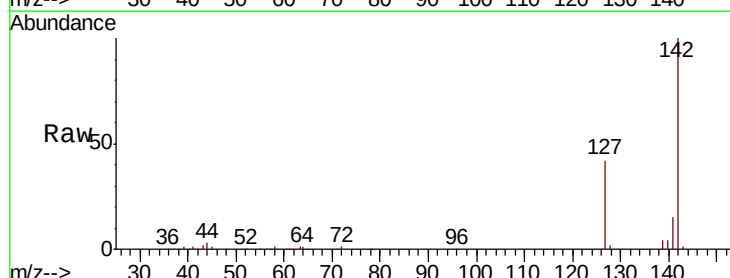
RT: 2.51 min Scan# 316

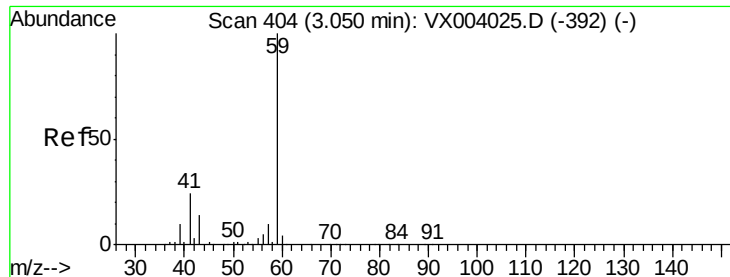
Delta R.T. 0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion:	142	Resp:	121374
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.1	49.7
141	14.3	11.1	16.7





#11

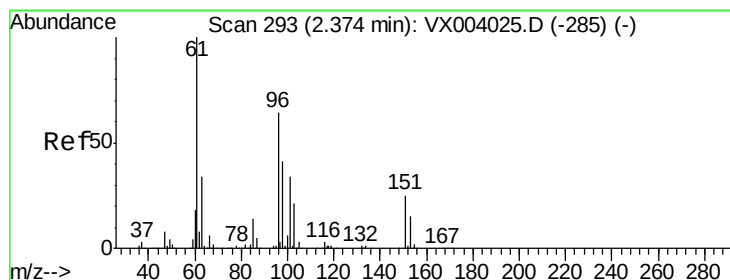
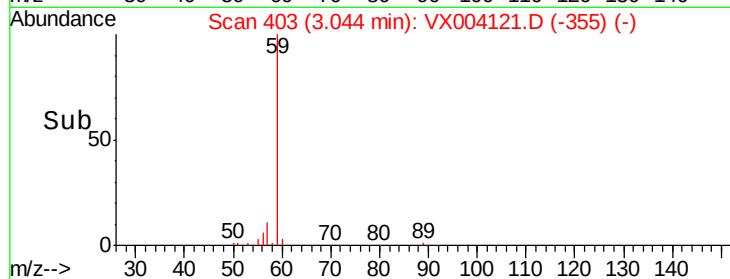
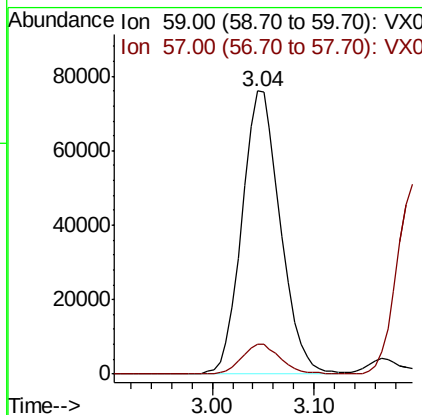
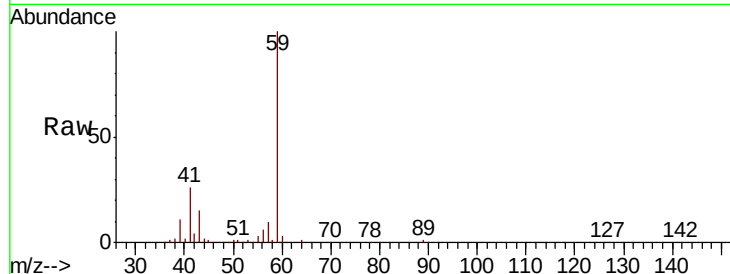
Tert butyl alcohol
 Concen: 226.76 ug/l
 RT: 3.04 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	198645
Ion Ratio	100	Lower	Upper
57	10.5	8.1	12.1

Manual Integrations
 APPROVED

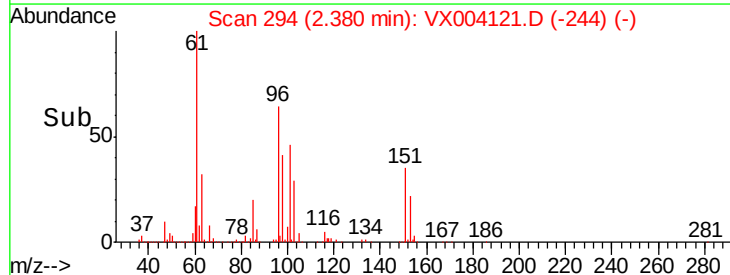
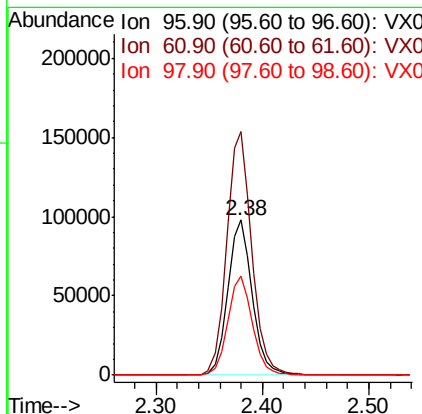
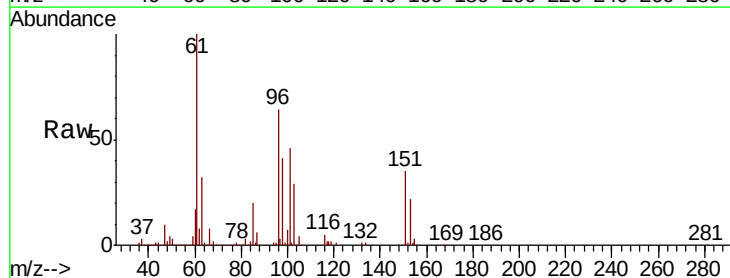
MMDadoda
 8/20/2018 10:04:04 AM

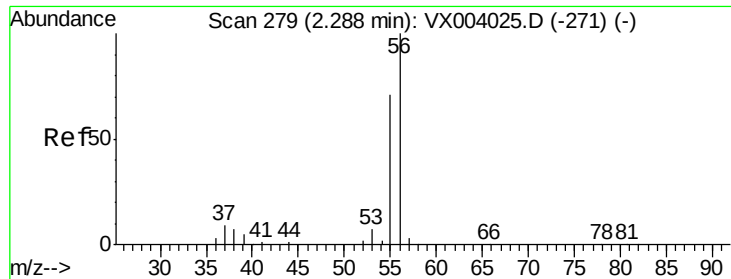


#12

1,1-Dichloroethene
 Concen: 48.41 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	96	Resp	157242
Ion Ratio	100	Lower	Upper
61	157.2	131.3	196.9
98	64.1	51.8	77.6





#13

Acrolein

Concen: 161.04 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93292

Ion Ratio Lower Upper

56 100

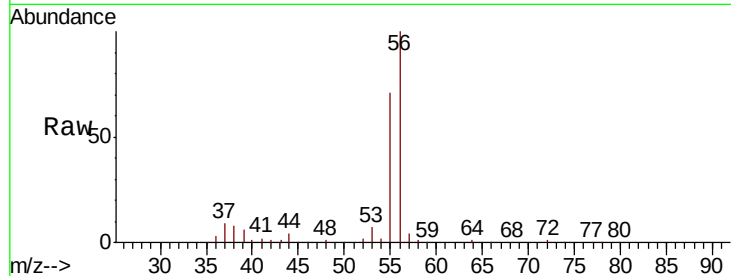
55 70.5 56.1 84.1

Manual Integrations

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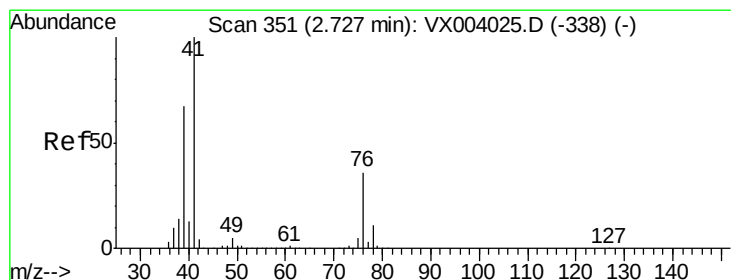
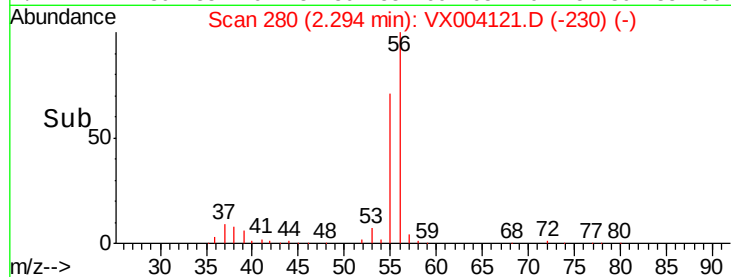
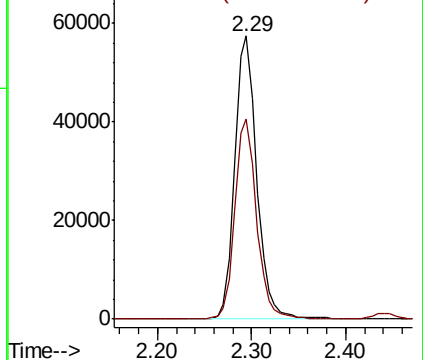
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.12 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

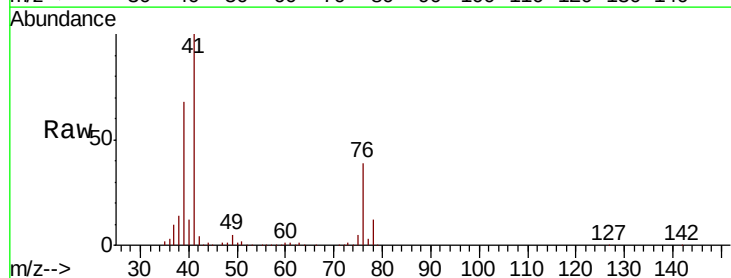
Tgt Ion: 41 Resp: 291183

Ion Ratio Lower Upper

41 100

39 63.1 47.4 71.0

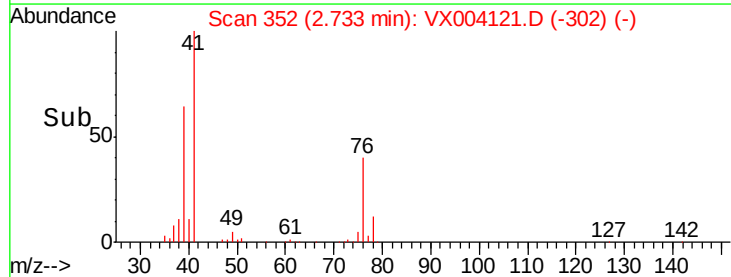
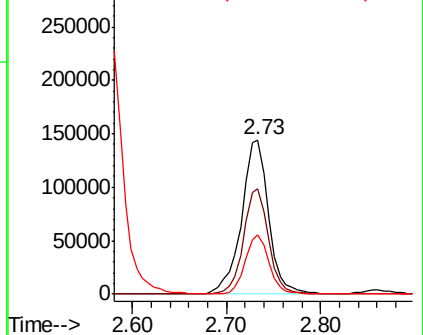
76 34.1 26.0 39.0

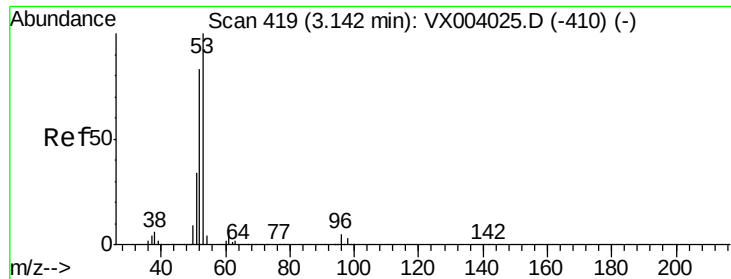


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 232.06 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

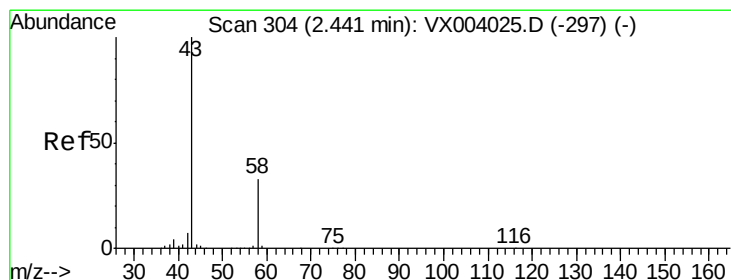
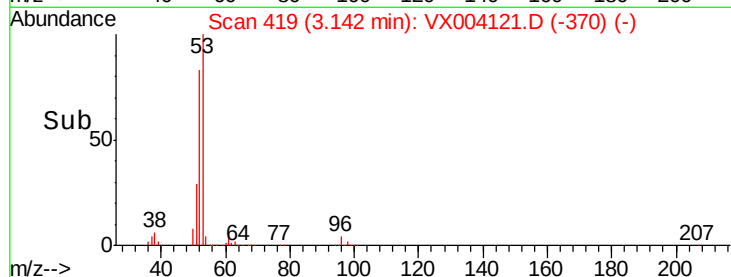
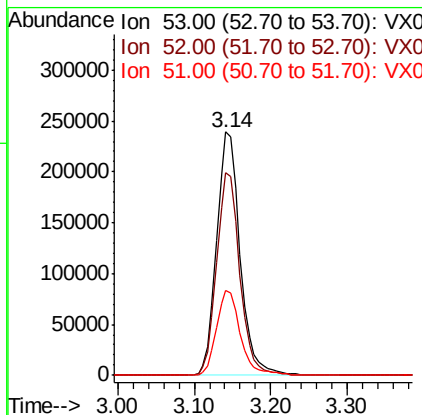
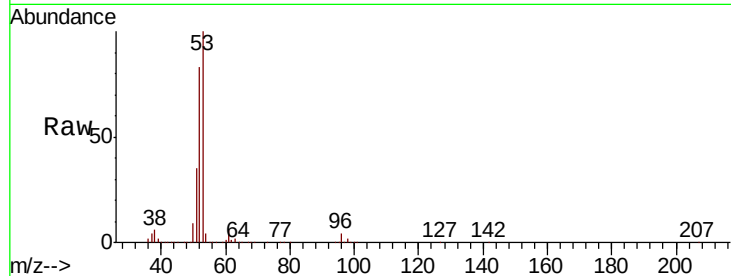
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	506862
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	35.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 256.99 ug/l

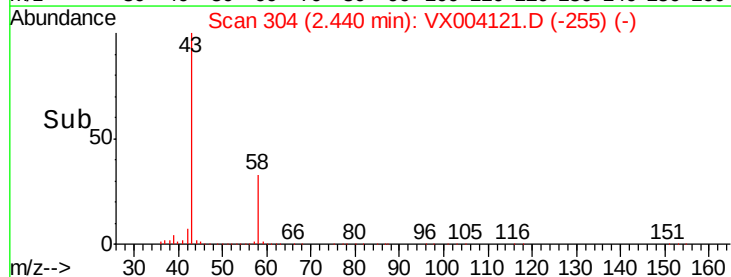
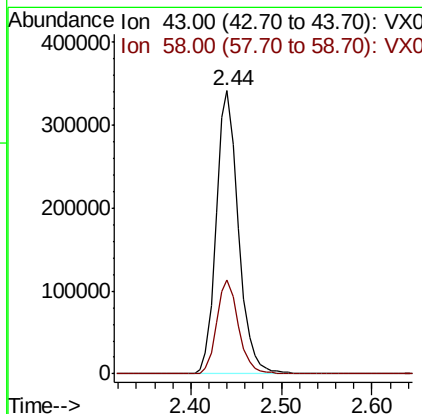
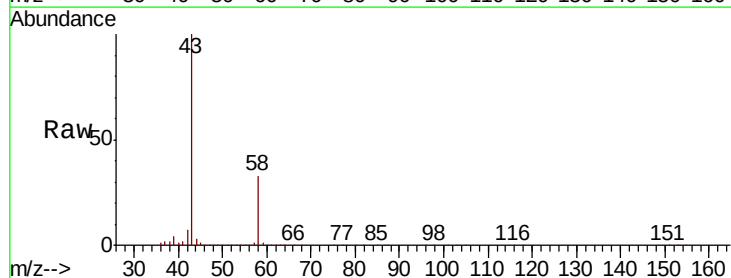
RT: 2.44 min Scan# 304

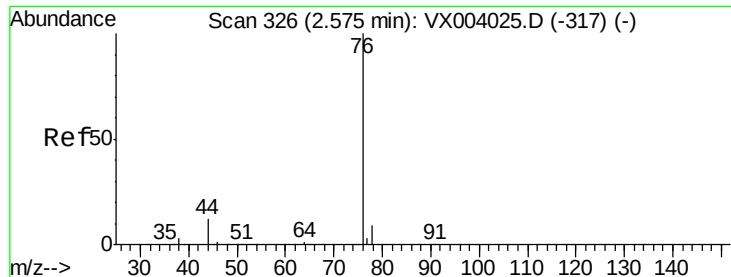
Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion	43	Resp	581252
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





#17

Carbon Disulfide

Concen: 48.02 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 442403

Ion Ratio Lower Upper

76 100

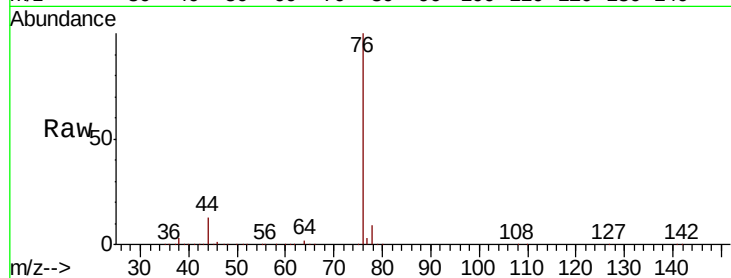
78 9.3 7.5 11.3

Manual Integrations

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8/20/2018 10:04:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

250000

200000

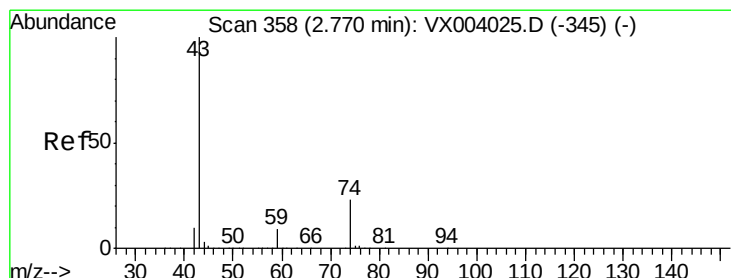
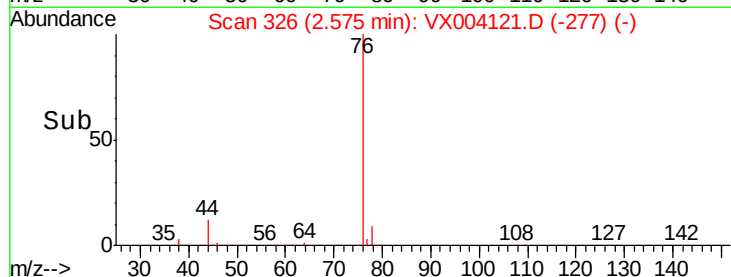
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.31 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004121.D

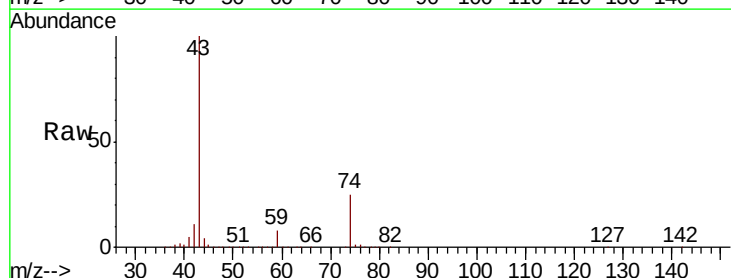
Acq: 17 Aug 2018 08:27

Tgt Ion: 43 Resp: 247830

Ion Ratio Lower Upper

43 100

74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

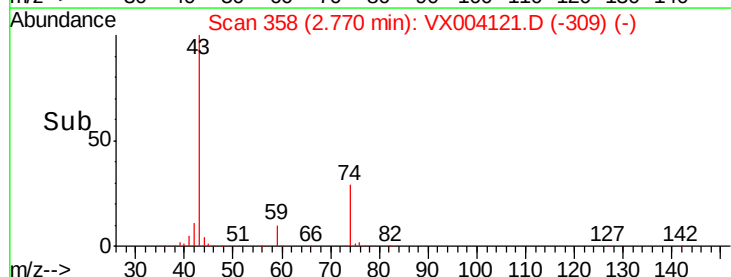
150000

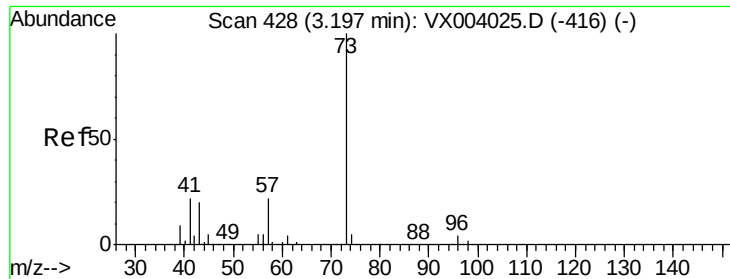
100000

50000

0

Time-->





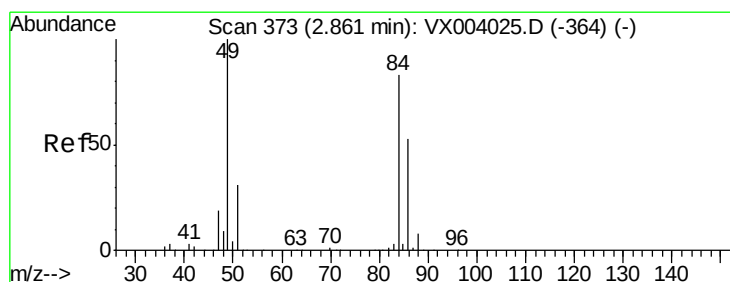
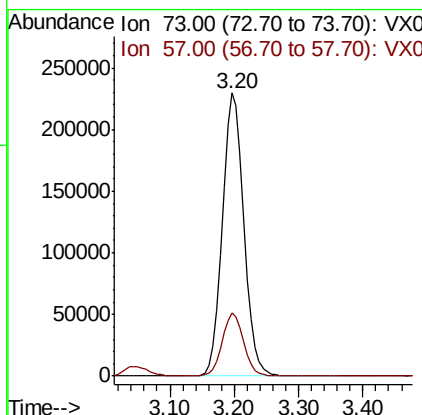
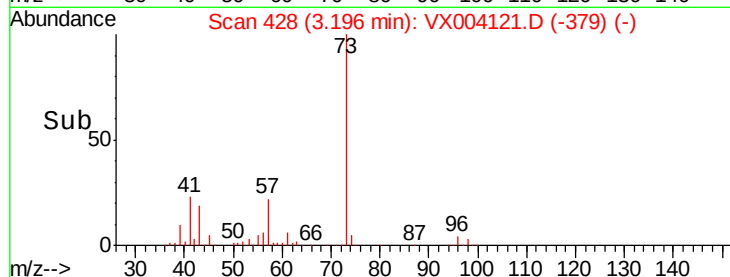
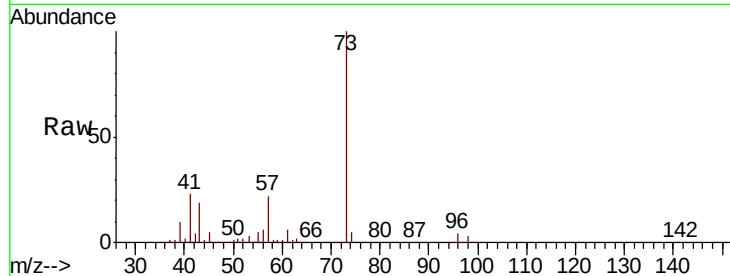
#19
Methyl tert-butyl Ether
Concen: 47.30 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.0	27.0

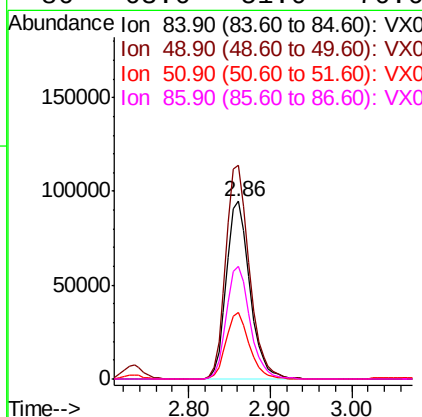
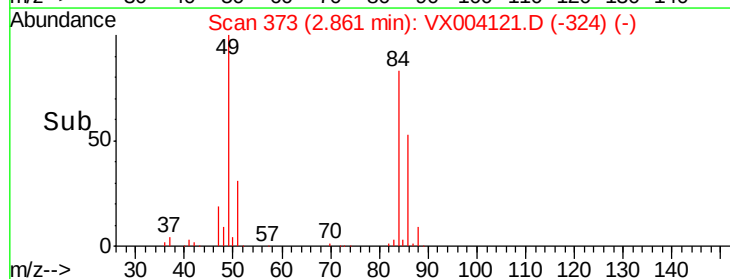
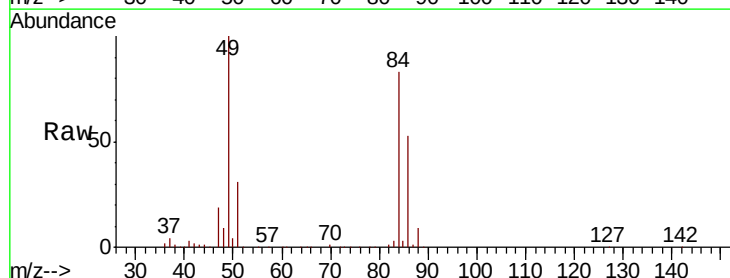
Manual Integrations
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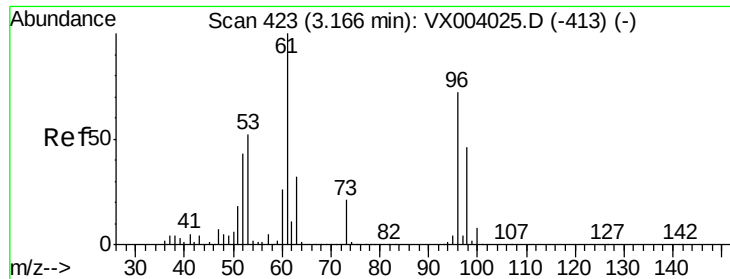
MMDadoda
8/20/2018 10:04:04 AM



#20
Methylene Chloride
Concen: 50.90 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	98.9	148.3
51	37.1	29.9	44.9
86	63.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.50 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 175221

Ion Ratio Lower Upper

96 100

61 134.3 111.8 167.6

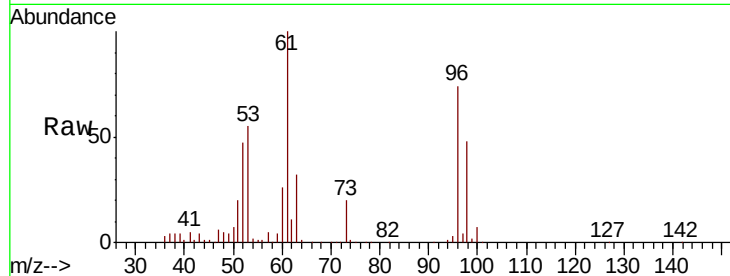
98 63.9 51.8 77.6

Manual Integrations

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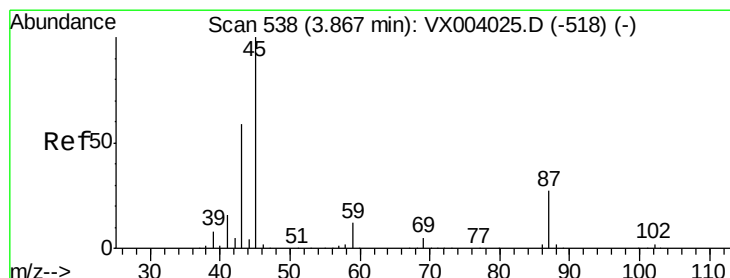
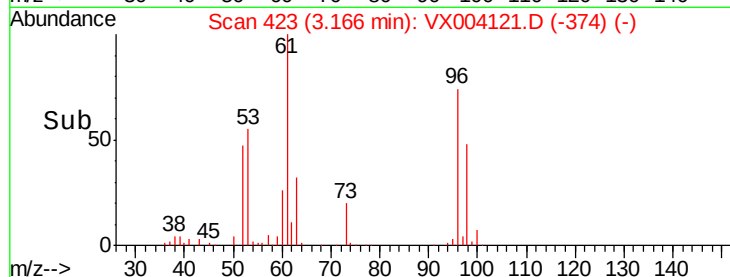
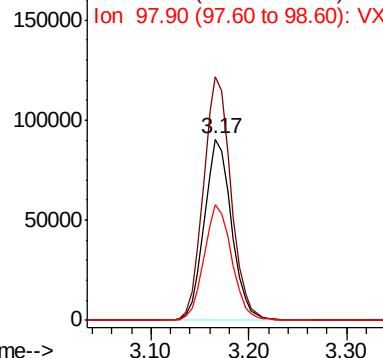


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.47 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion: 45 Resp: 562806

Ion Ratio Lower Upper

45 100

43 68.3 45.3 67.9#

87 27.7 22.7 34.1

59 12.1 9.6 14.4

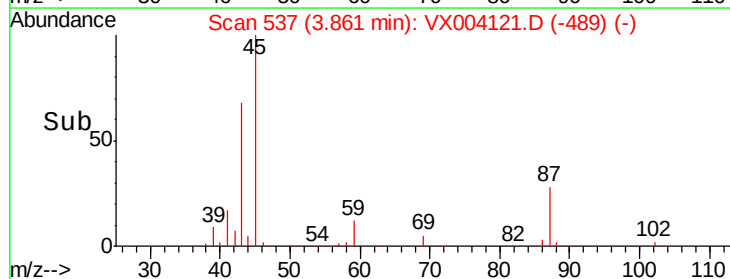
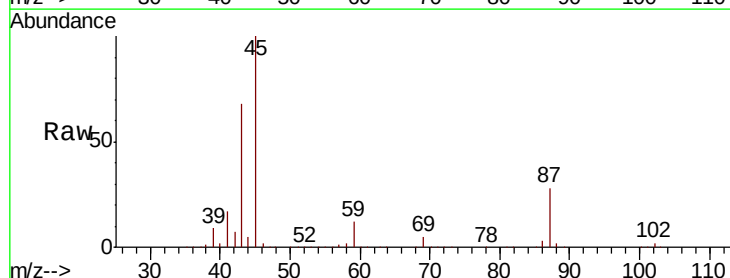
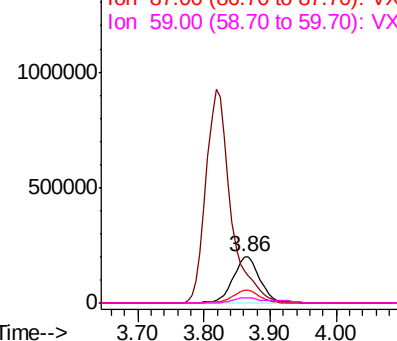
Abundance

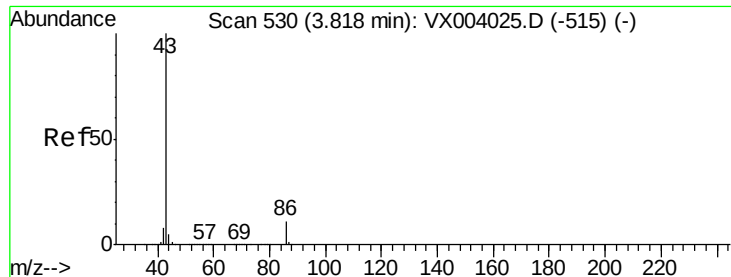
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.16 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2428537

Ion Ratio Lower Upper

43 100

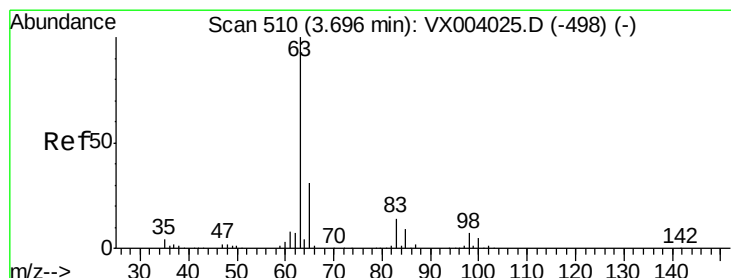
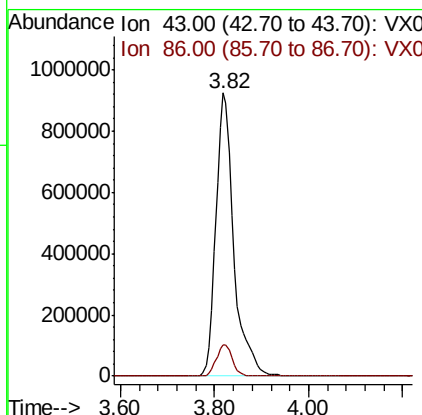
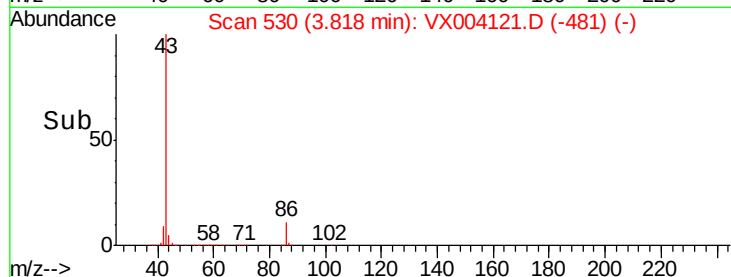
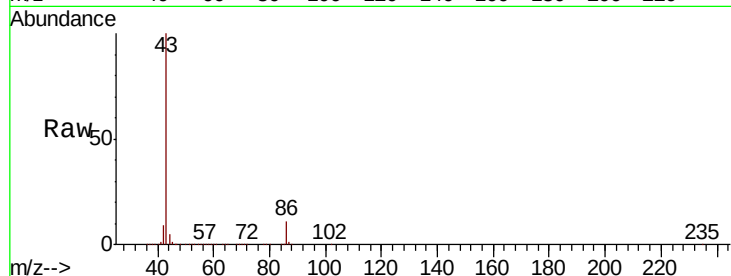
86 11.2 8.9 13.3

Manual Integrations

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8/20/2018 10:04:04 AM



#24

1,1-Dichloroethane

Concen: 50.90 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

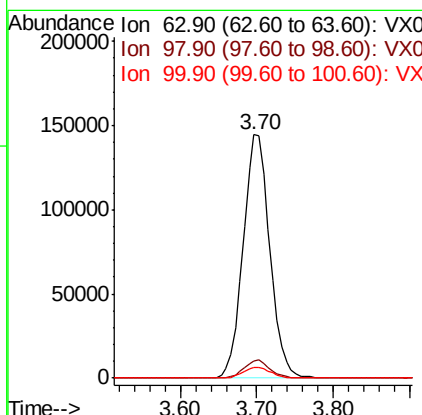
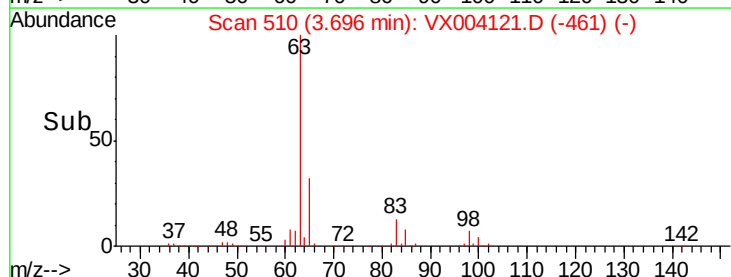
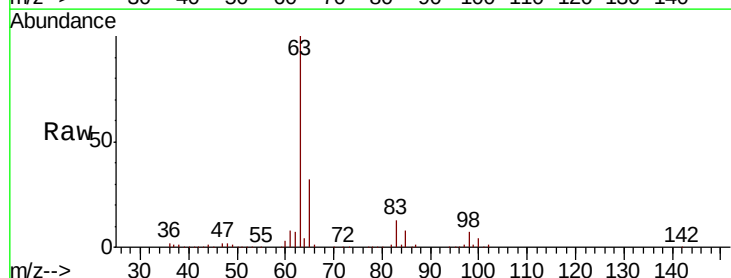
Tgt Ion: 63 Resp: 349164

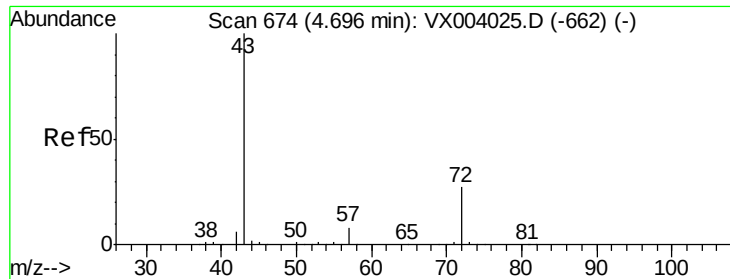
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 236.95 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 871962

Ion Ratio Lower Upper

43 100

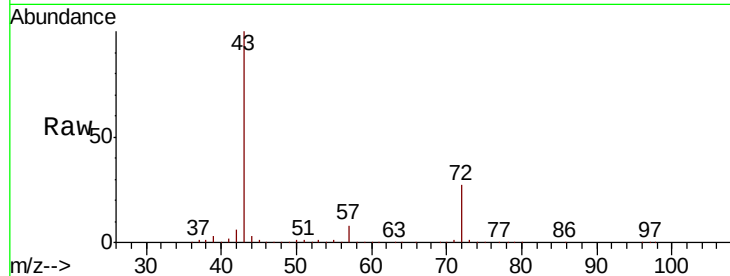
72 27.3 21.4 32.0

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

300000

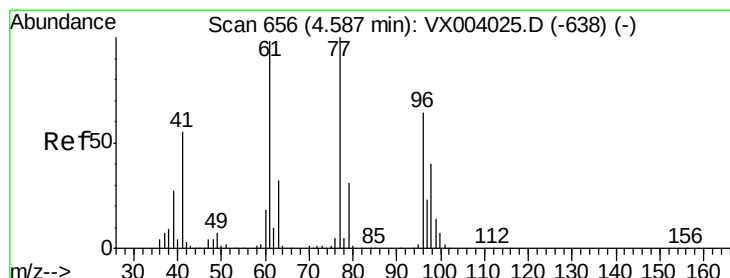
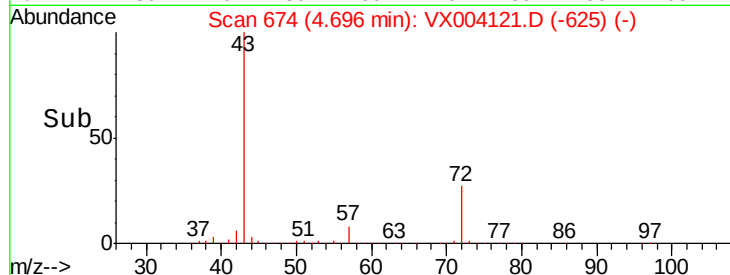
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.18 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004121.D

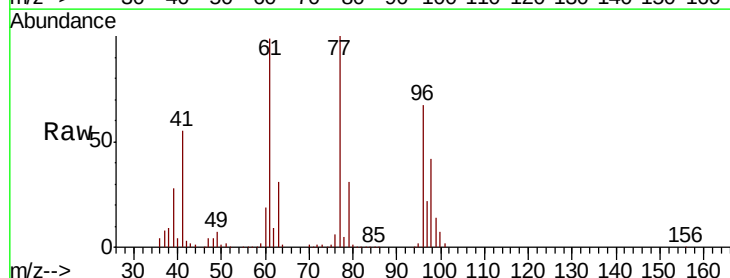
Acq: 17 Aug 2018 08:27

Tgt Ion: 77 Resp: 262751

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

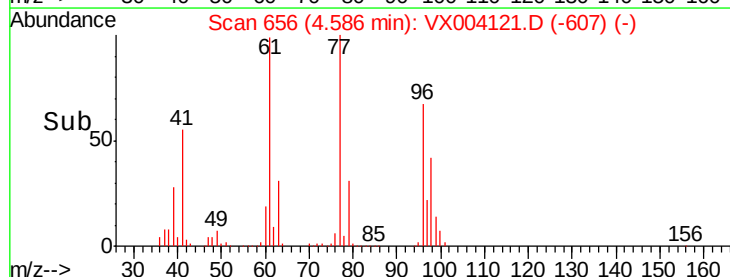
40000

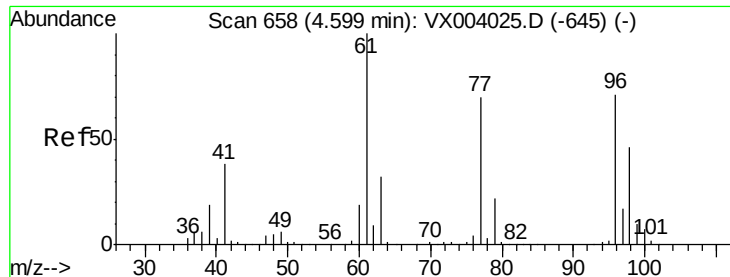
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.37 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

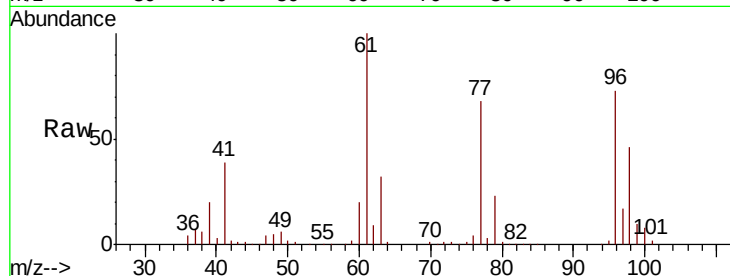
ClientSampleId :

VSTDCCC050

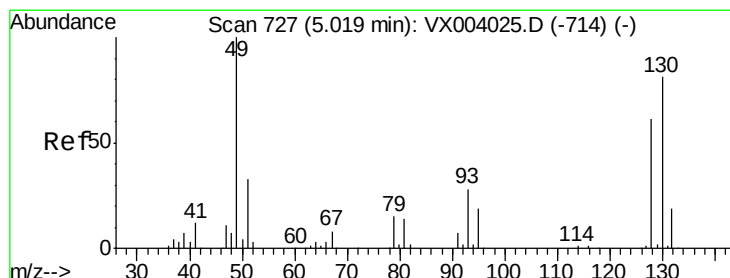
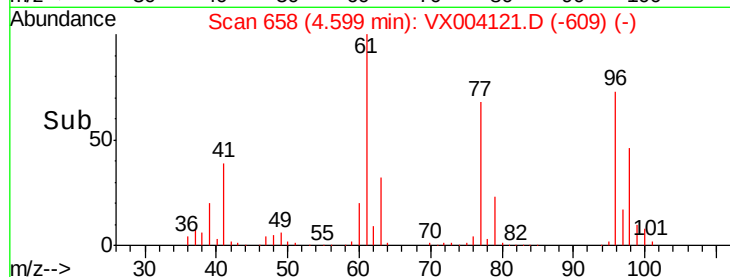
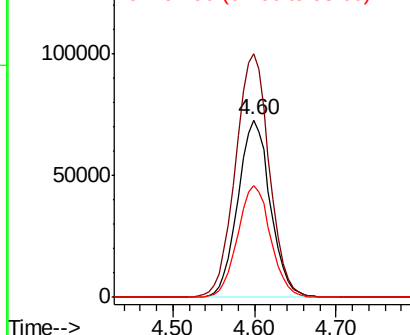
Tot Ion:	96	Resp:	200619
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	293.0
98	64.3	0.0	131.8

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



#28

Bromochloromethane

Concen: 46.98 ug/l

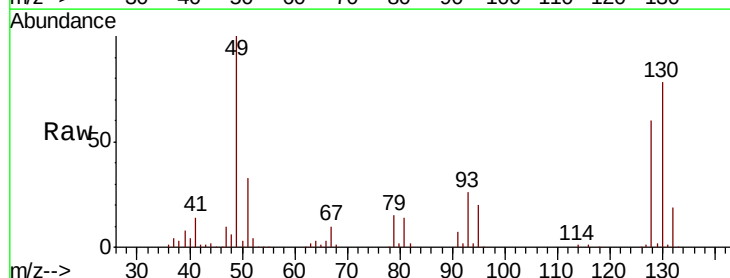
RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

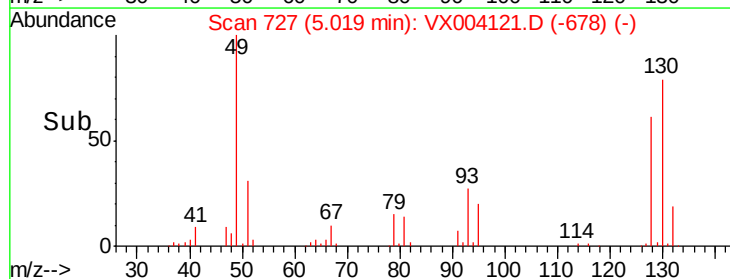
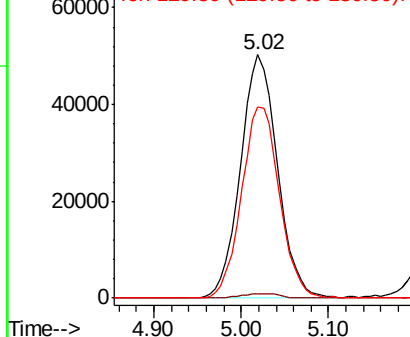
Lab File: VX004121.D

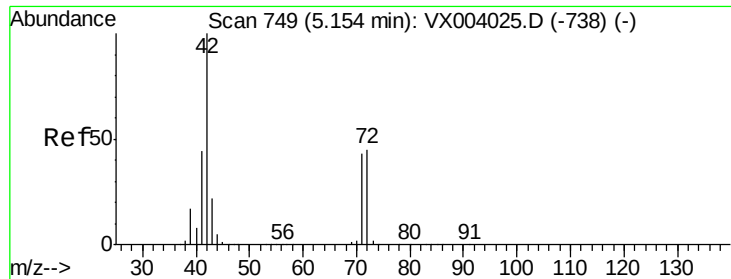
Acq: 17 Aug 2018 08:27

Tgt Ion:	49	Resp:	147842
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.3	66.5	99.7



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





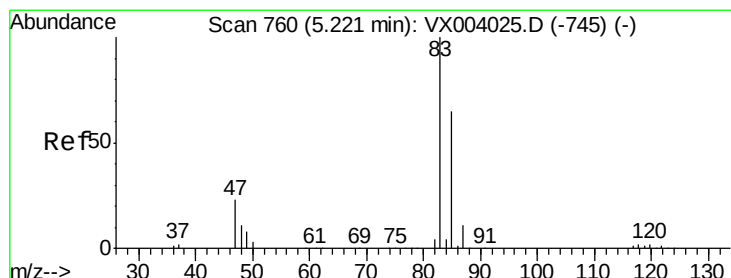
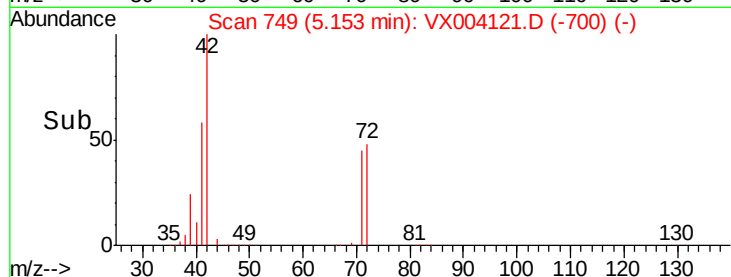
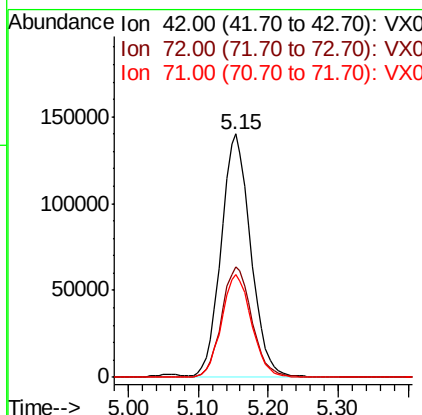
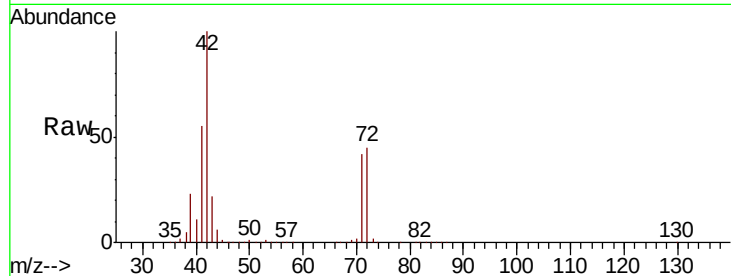
#29
Tetrahydrofuran
Concen: 218.01 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	43.1	35.0	52.6

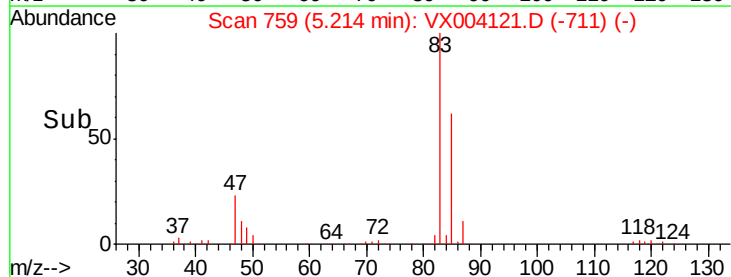
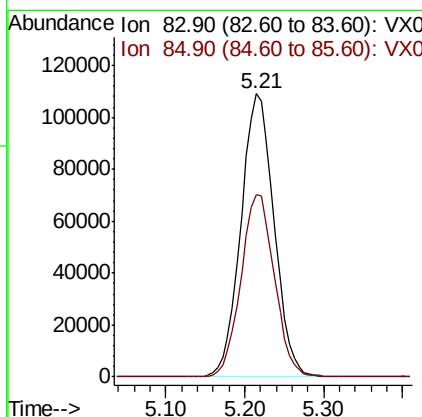
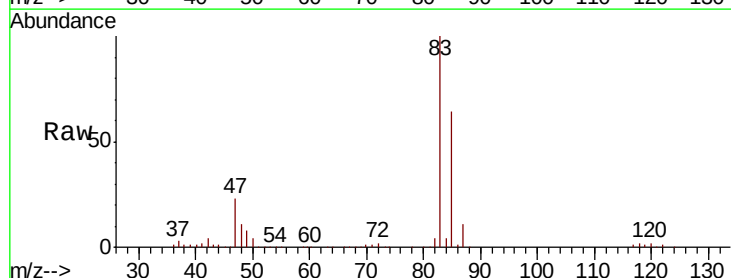
Manual Integrations
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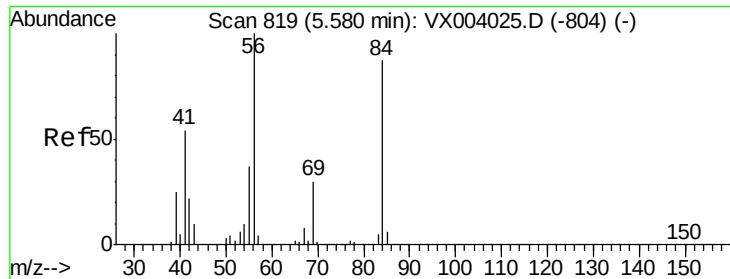
MMDadoda
8/20/2018 10:04:04 AM



#30
Chloroform
Concen: 47.65 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.7	76.1





#31

Cyclohexane

Concen: 46.36 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 278762

Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

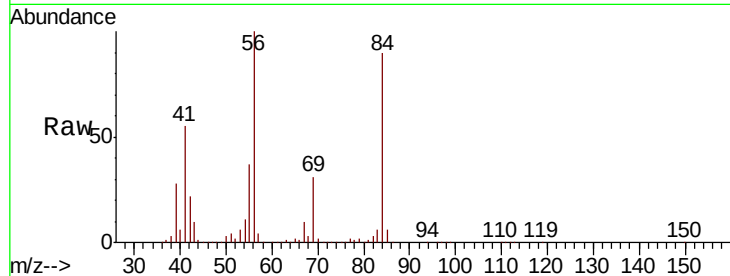
84 88.1 71.7 107.5

Manual Integrations

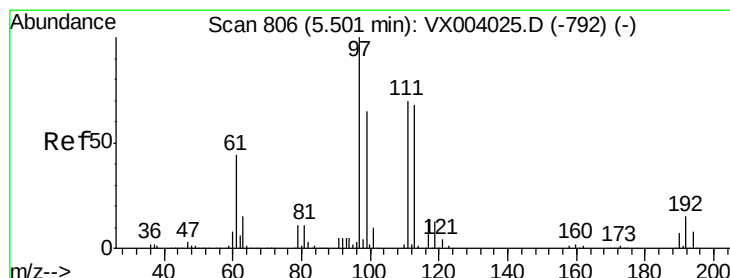
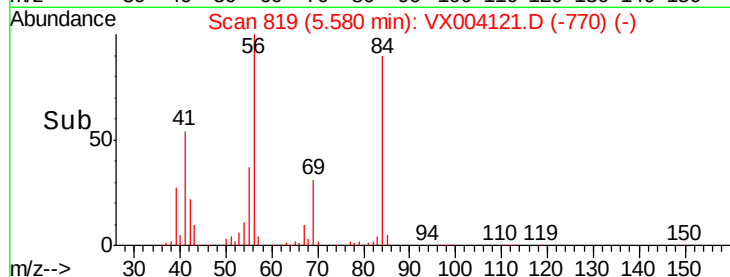
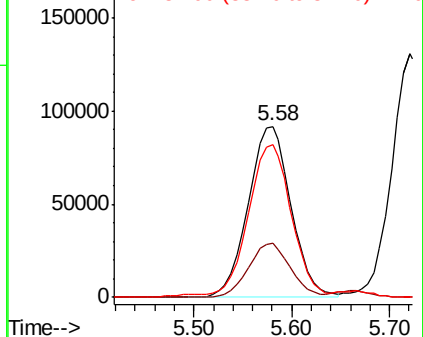
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.97 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

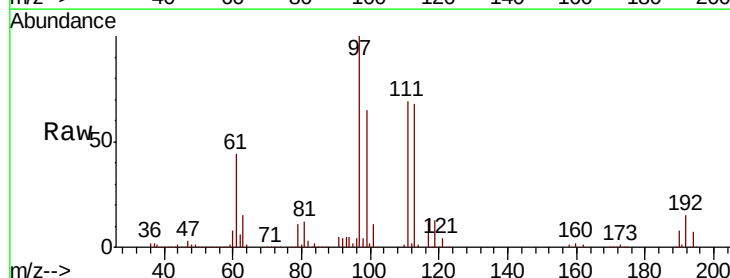
Tgt Ion: 97 Resp: 273951

Ion Ratio Lower Upper

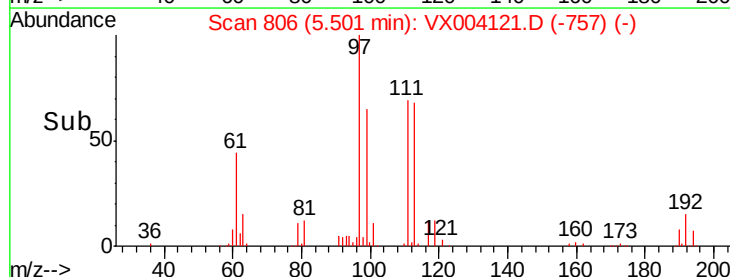
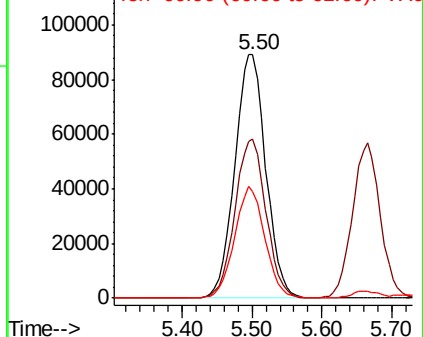
97 100

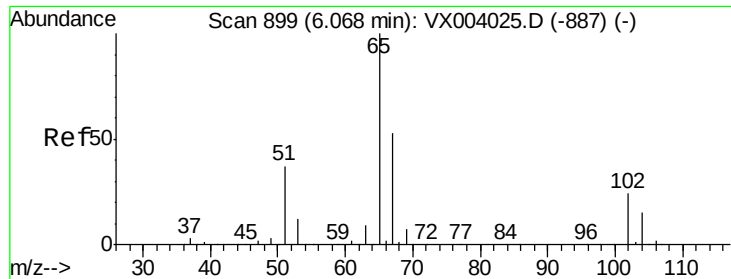
99 65.3 51.8 77.8

61 44.9 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





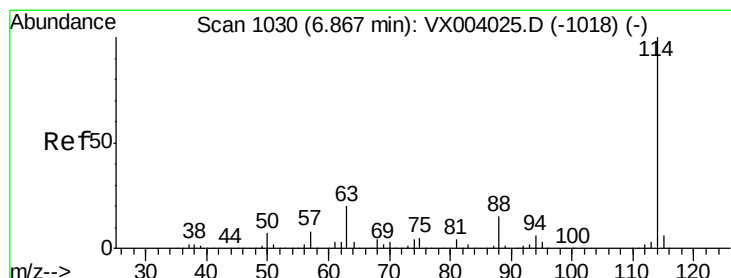
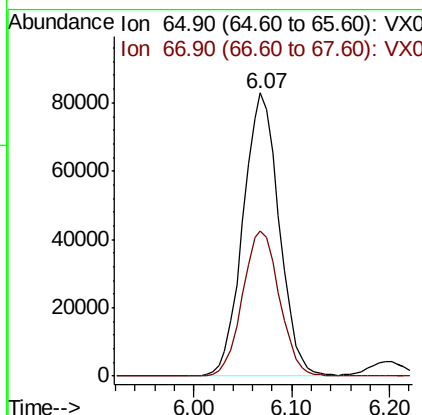
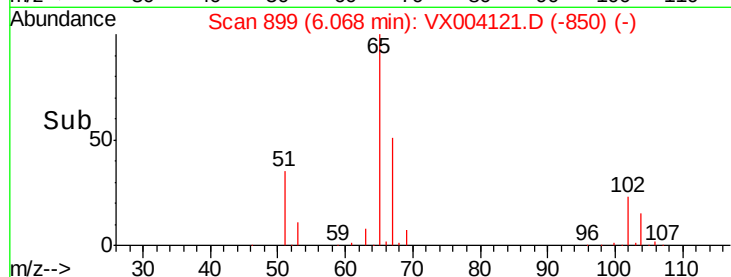
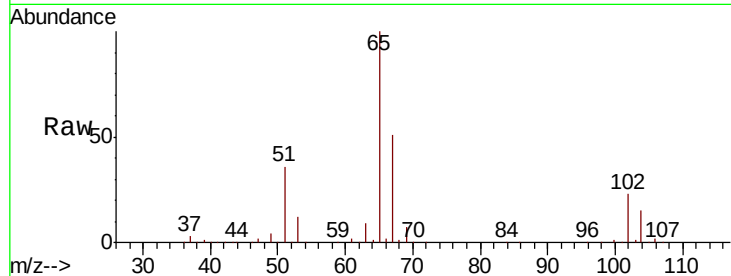
#33
 1,2-Dichloroethane-d4
 Concen: 48.73 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211997		
67	52.5	0.0	105.8	

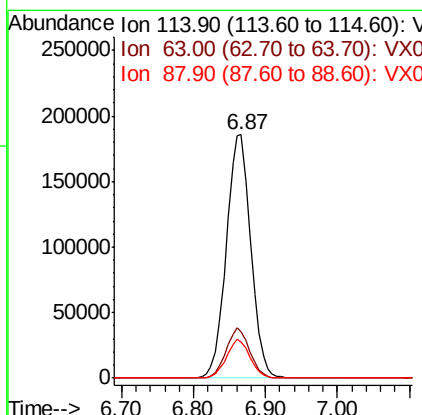
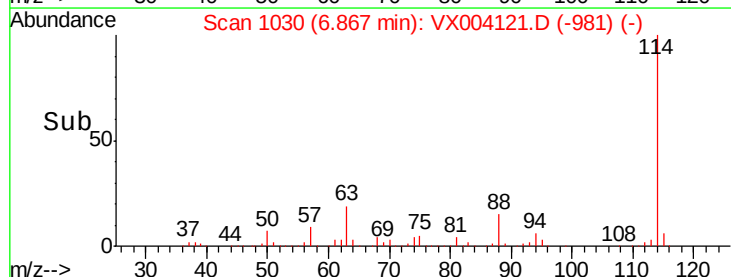
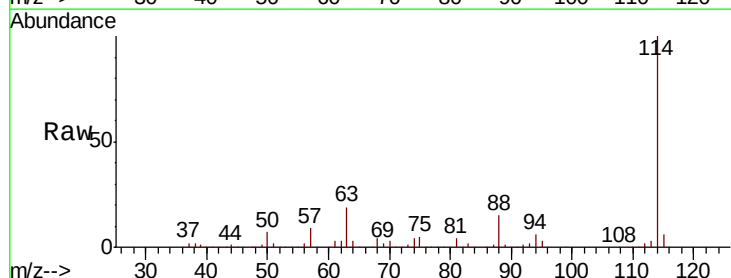
Manual Integrations
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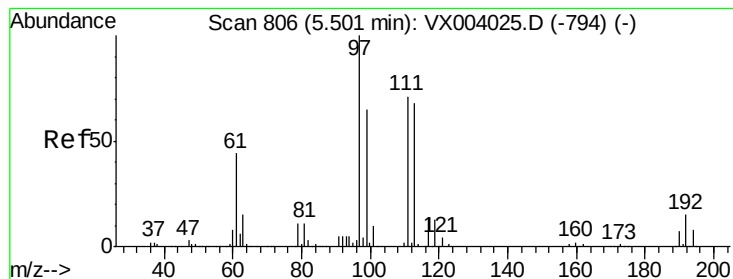
MMDadoda
 8/20/2018 10:04:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439302		
63	19.2	0.0	39.0	
88	15.0	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.13 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

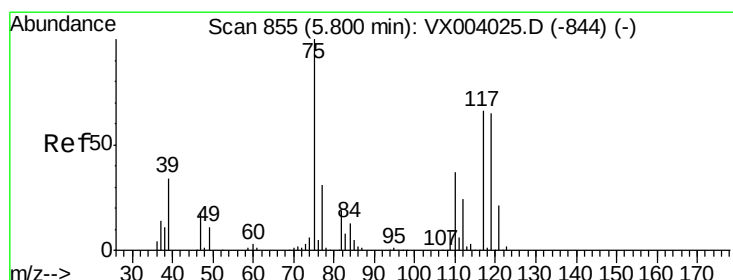
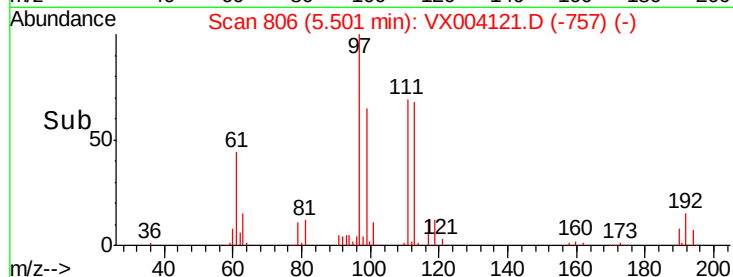
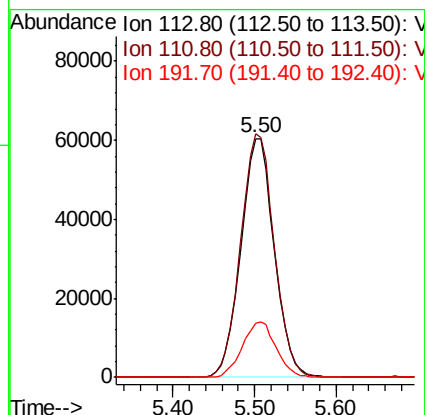
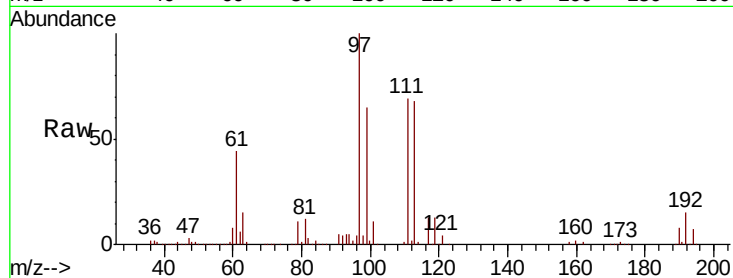
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	171392
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	23.5	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 50.56 ug/l

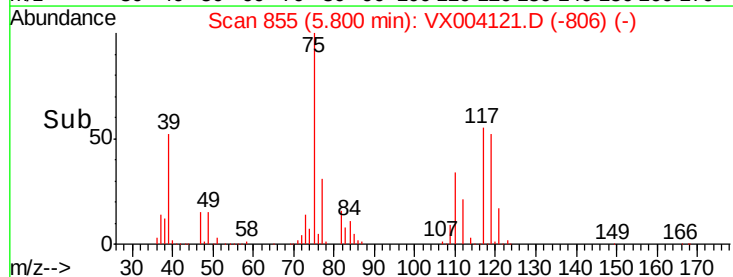
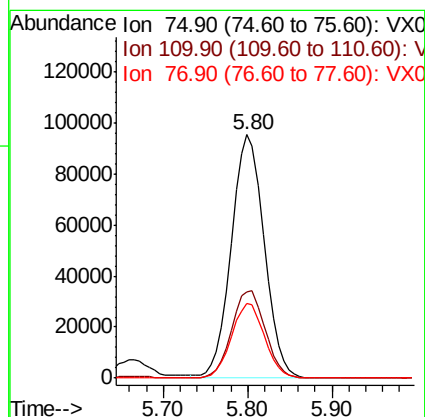
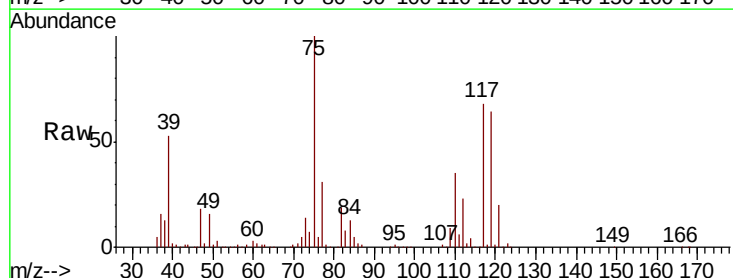
RT: 5.80 min Scan# 855

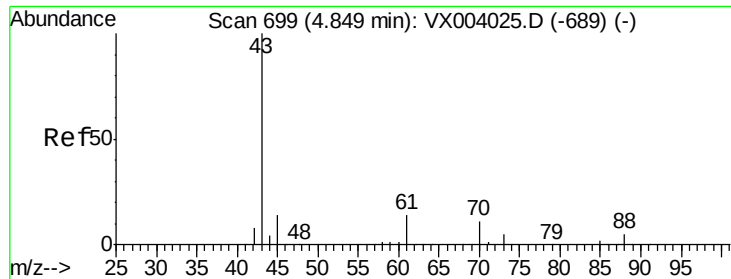
Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion:	75	Resp:	252733
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.2	54.6
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 46.98 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

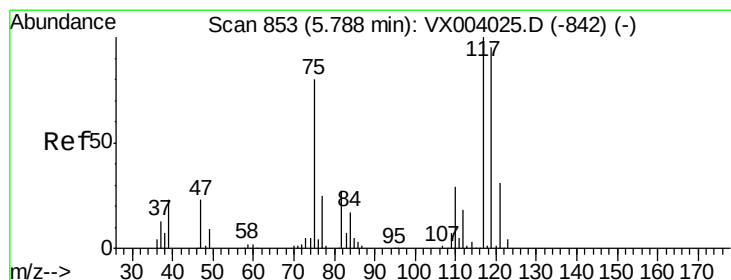
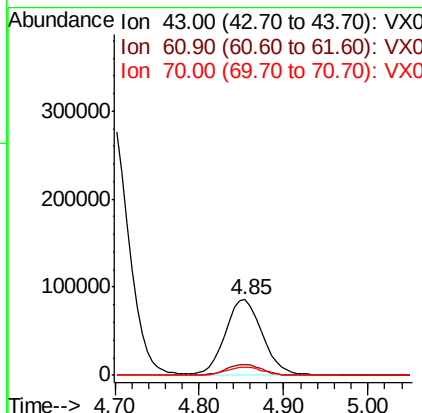
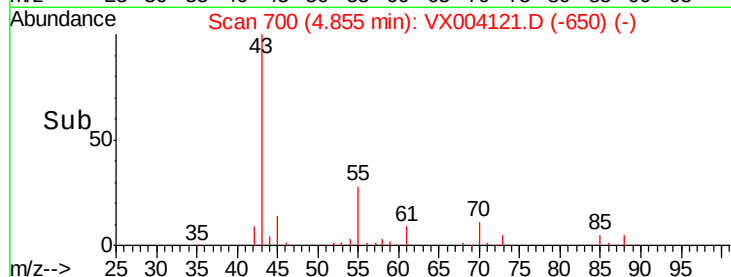
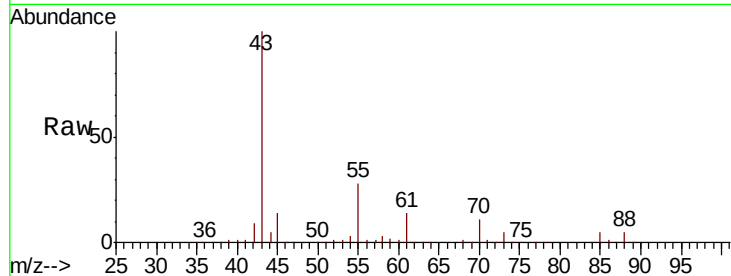
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	255772
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	11.0	9.0	13.4

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#38

Carbon Tetrachloride

Concen: 52.23 ug/l

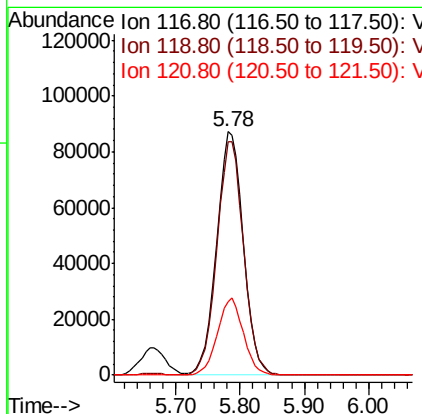
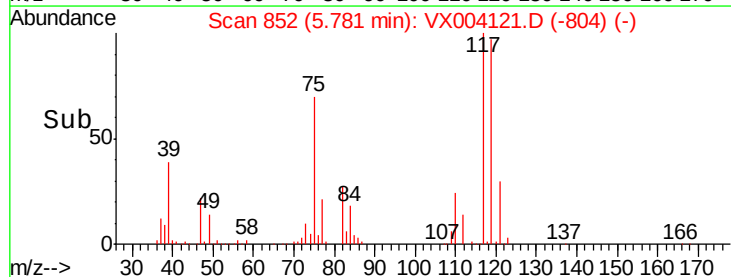
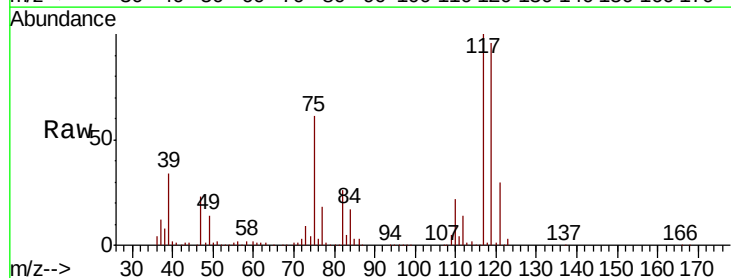
RT: 5.78 min Scan# 852

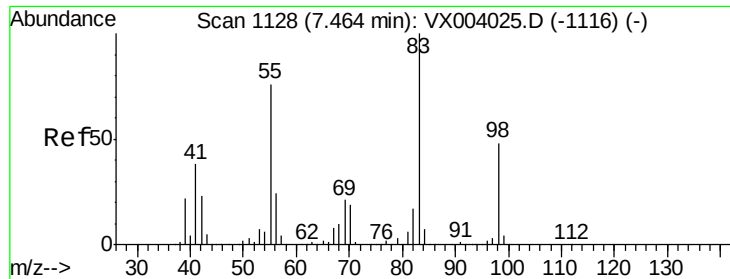
Delta R.T. -0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion:	117	Resp:	253655
Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.5	119.3
121	30.0	25.0	37.4





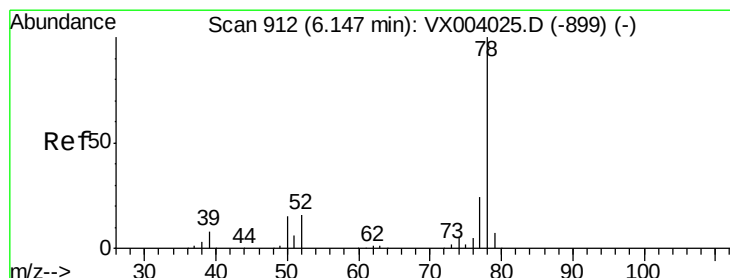
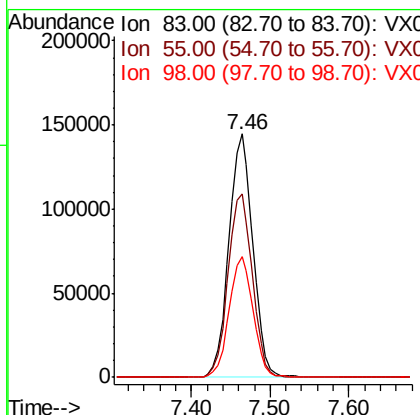
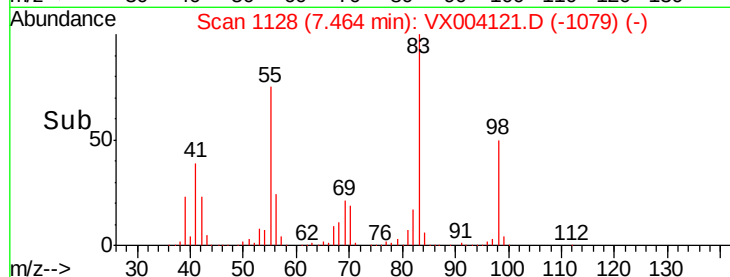
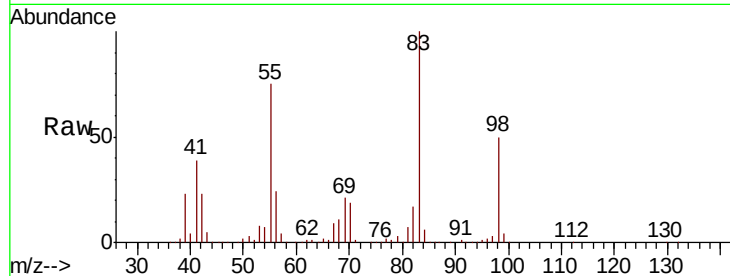
#39
Methylvlcyclohexane
Concen: 53.83 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.3	61.0	91.6	
98	49.6	38.6	57.8	

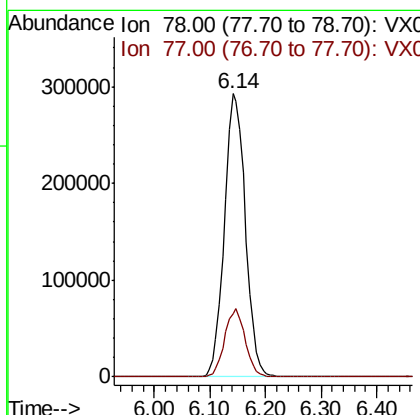
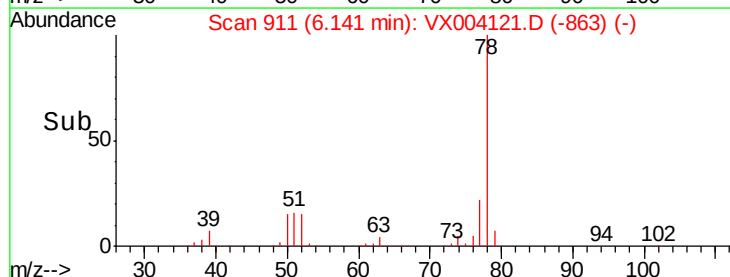
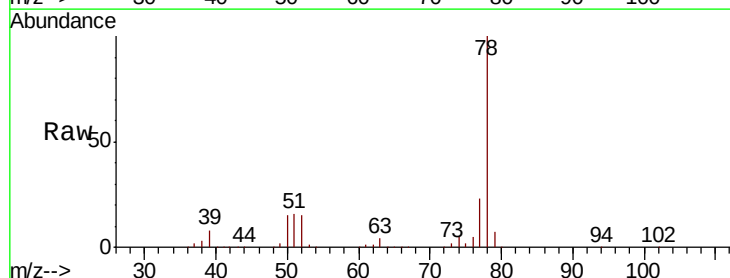
Manual Integrations
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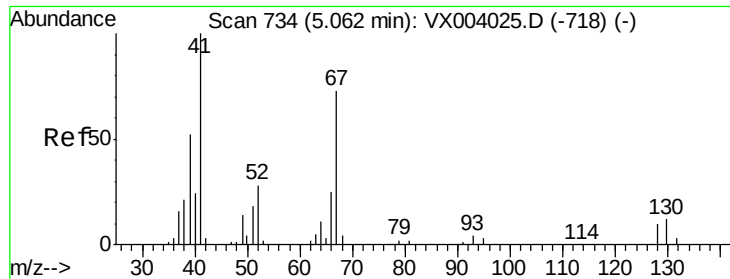
MMDadoda
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#40
Benzene
Concen: 50.73 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.5	19.0	28.4	





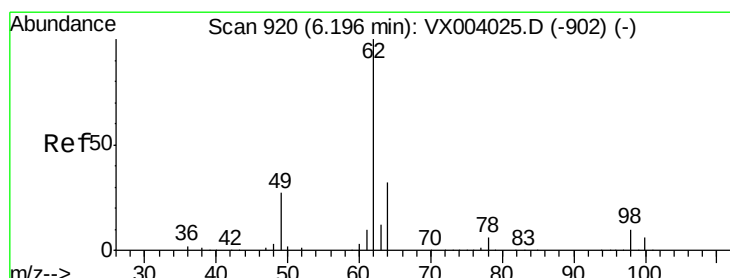
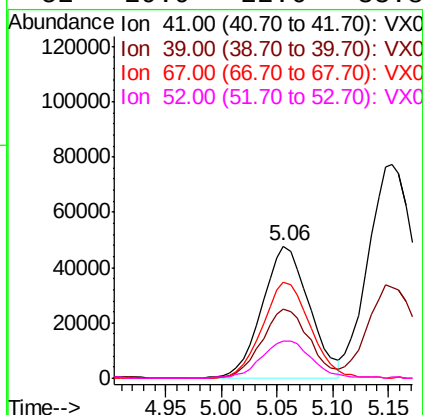
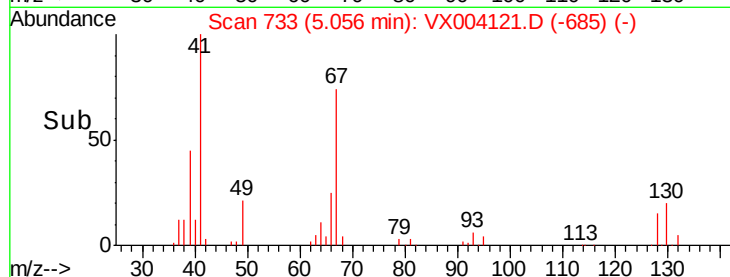
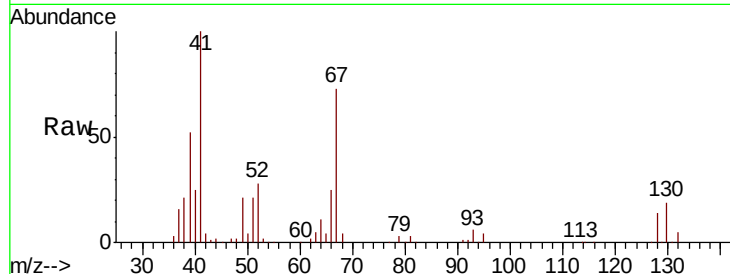
#41
Methacrylonitrile
Concen: 45.90 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.7	64.1	
67	74.0	58.9	88.3	
52	29.9	22.6	33.8	

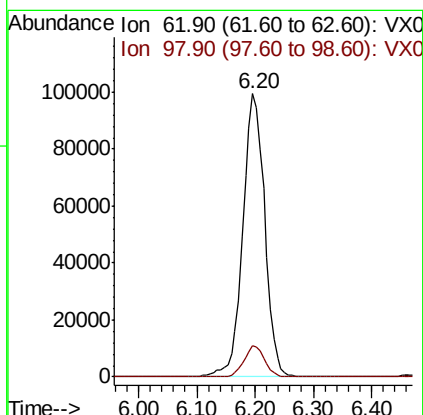
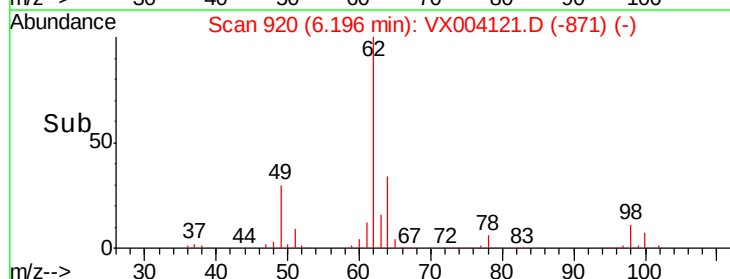
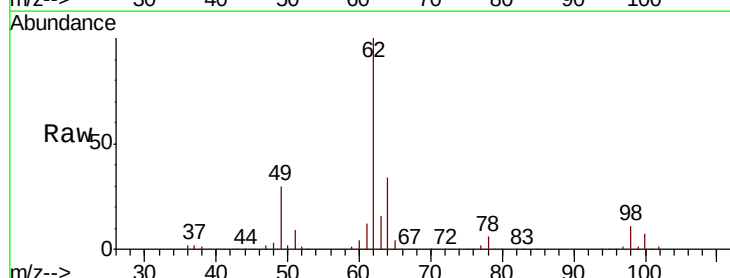
Manual Integrations
APPROVED

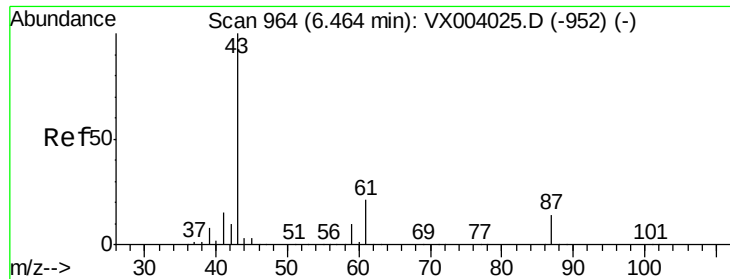
MMDadoda
8/20/2018 10:04:04 AM



#42
1,2-Dichloroethane
Concen: 49.29 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





#43

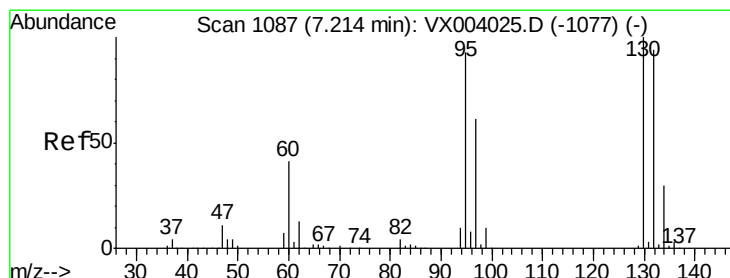
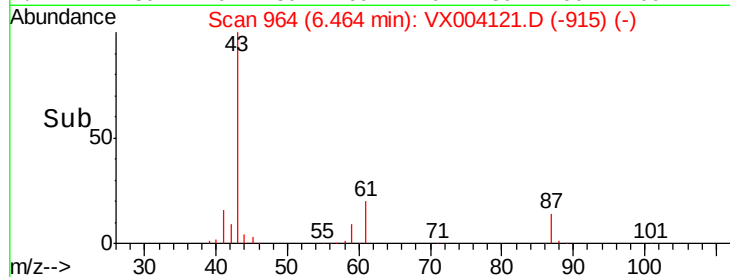
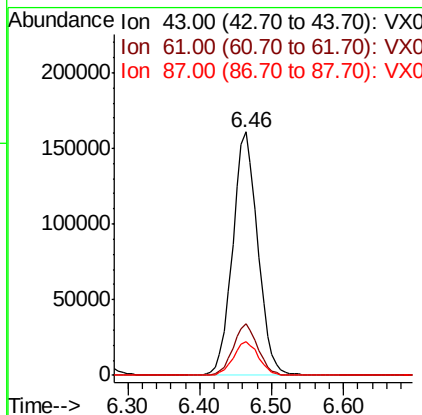
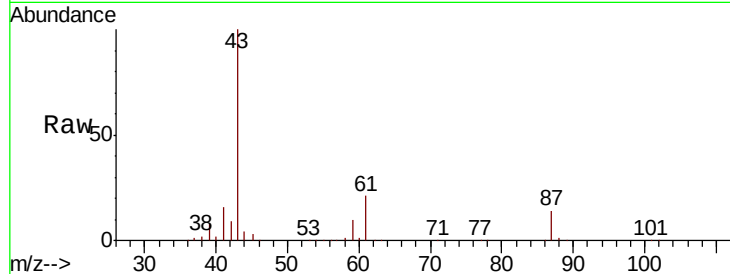
Isopropyl Acetate
 Concen: 48.54 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
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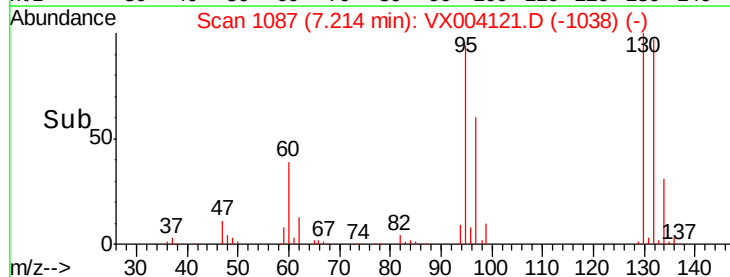
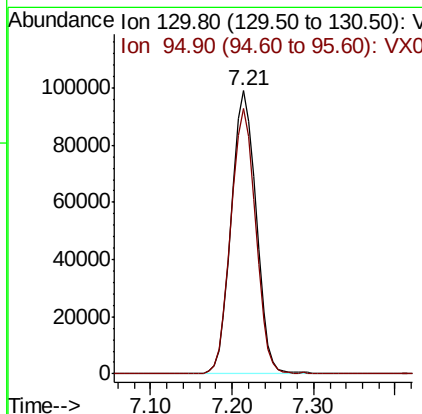
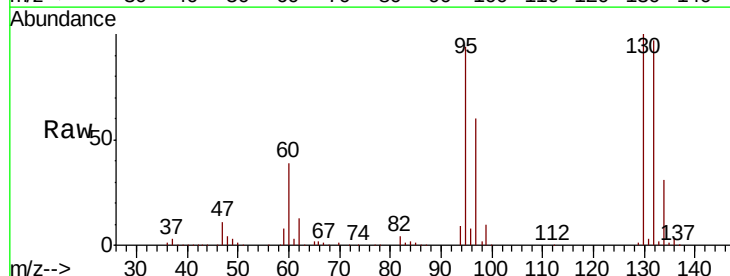
MMDadoda
 8/20/2018 10:04:04 AM

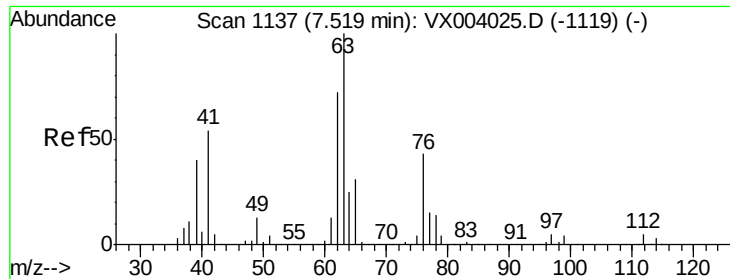


#44

Trichloroethene
 Concen: 51.06 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	199.4





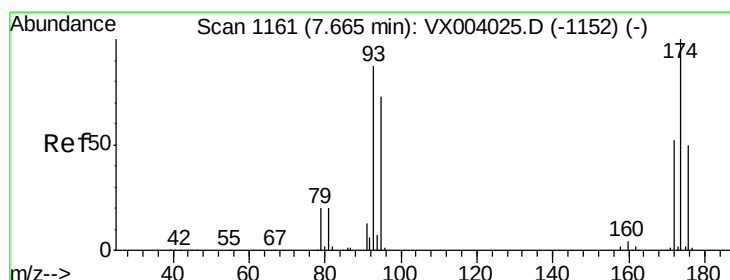
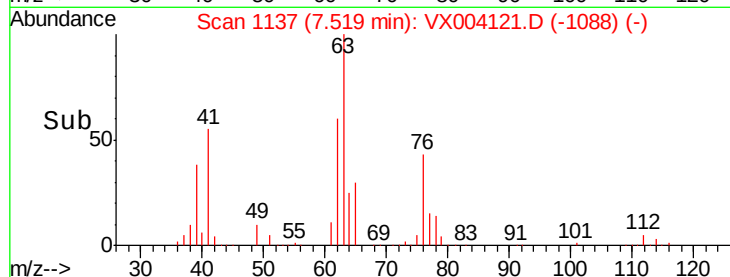
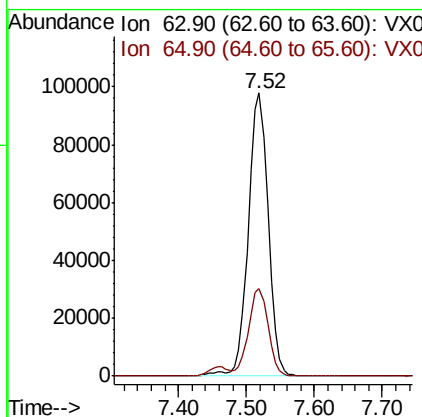
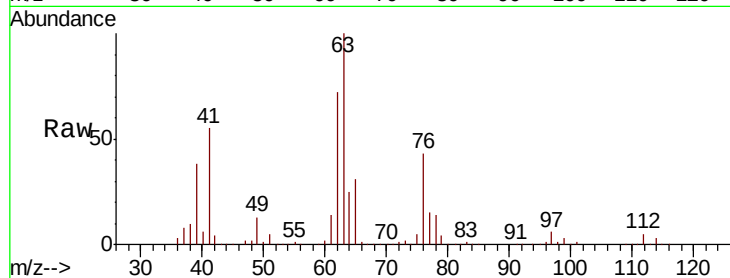
#45
 1,2-Dichloropropane
 Concen: 52.22 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

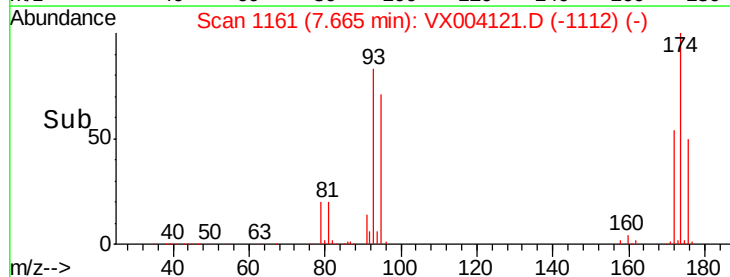
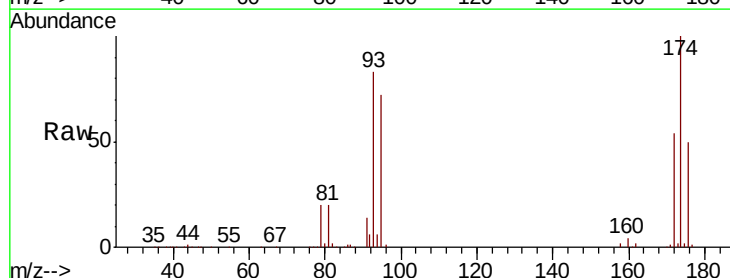
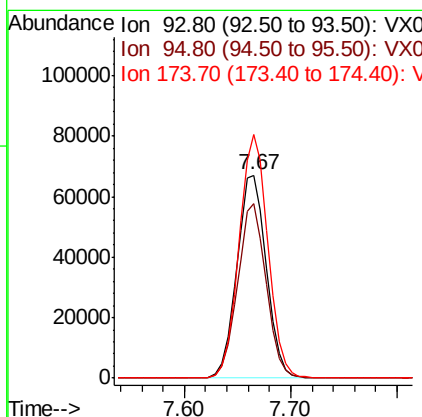
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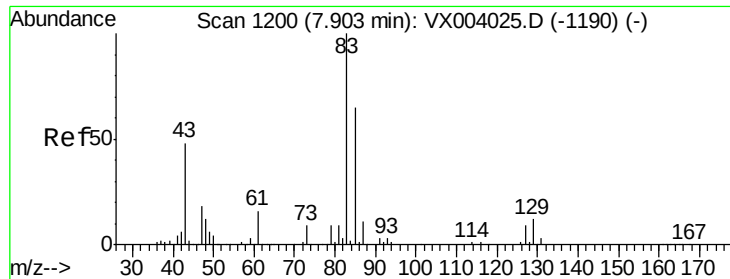
MMDadoda
 8/20/2018 10:04:04 AM



#46
 Dibromomethane
 Concen: 51.96 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.4	99.6
174	117.2	94.3	141.5





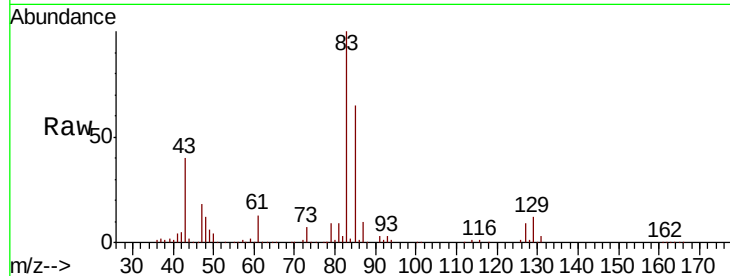
#47
Bromodichloromethane
Concen: 53.90 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

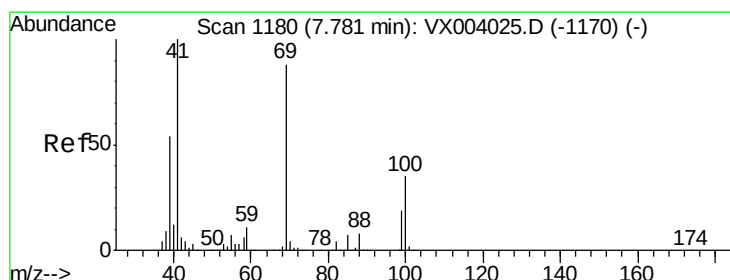
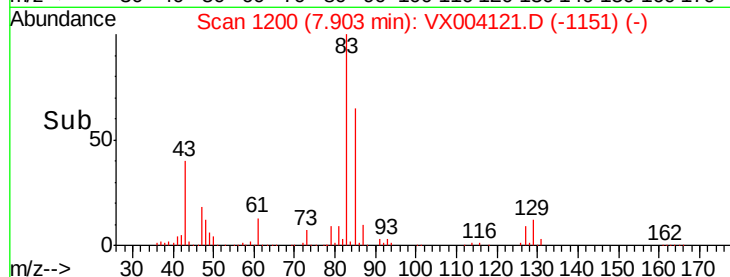
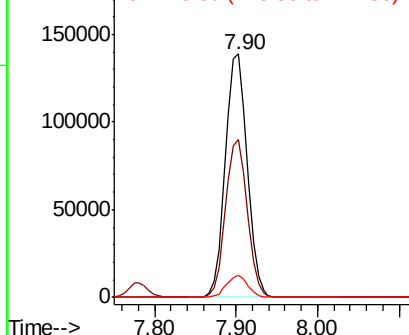
Tot Ion	Ratio	Resp	Lower	Upper
83	100	256372		
85	64.6		51.2	76.8
127	9.1		7.2	10.8

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8/20/2018 10:04:04 AM

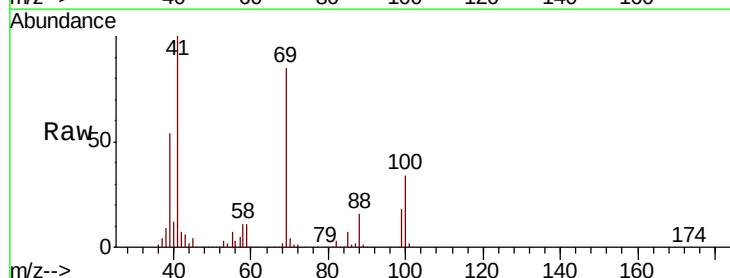


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

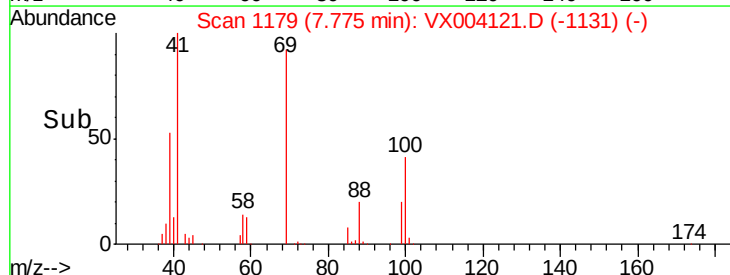
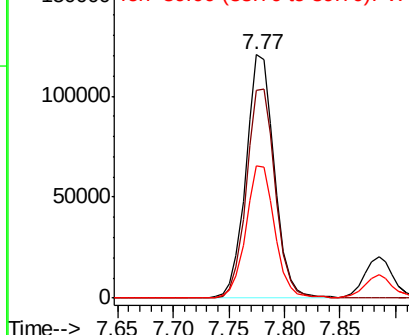


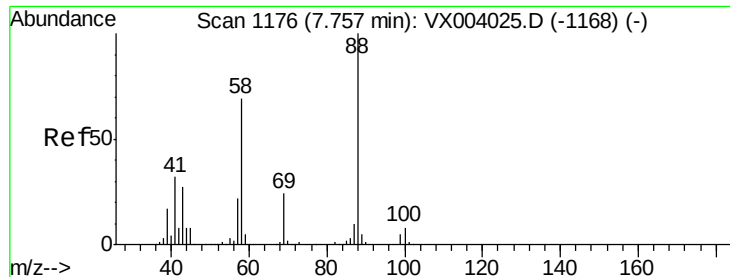
#48
Methyl methacrylate
Concen: 52.82 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	213359		
69	87.5		68.8	103.2
39	55.2		42.3	63.5



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





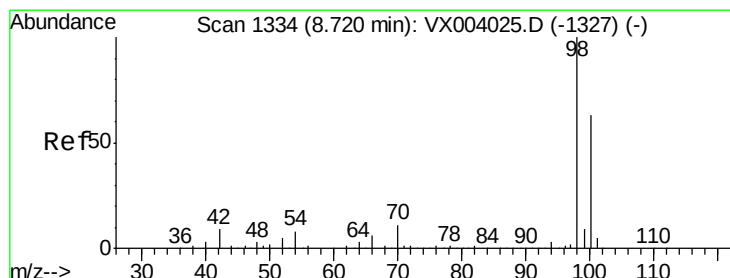
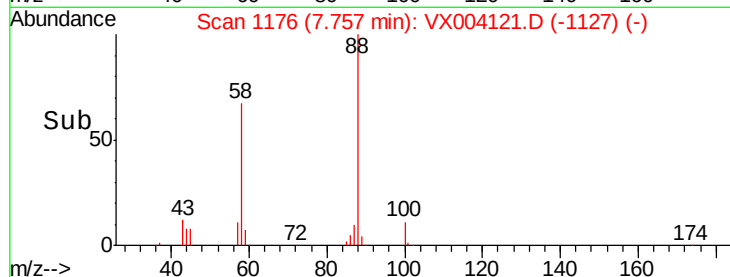
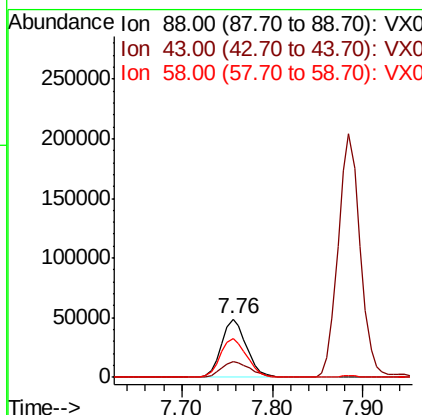
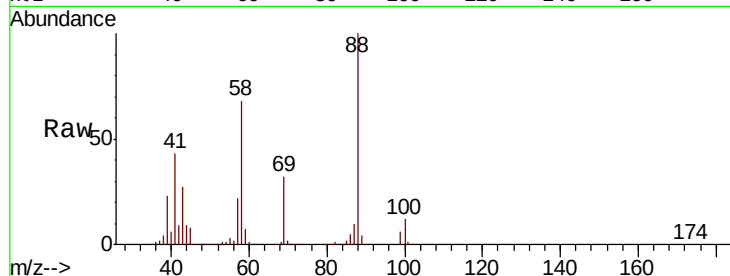
#49
1,4-Dioxane
Concen: 1031.33 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.8	35.8
58	70.5	55.4	83.0

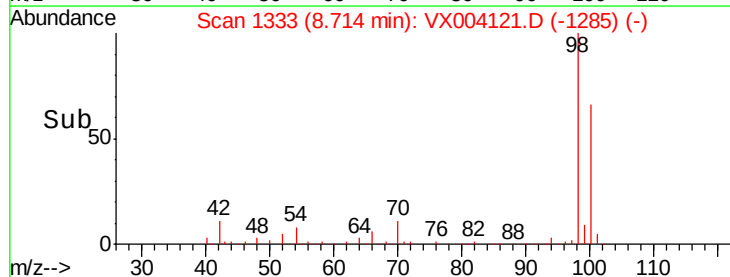
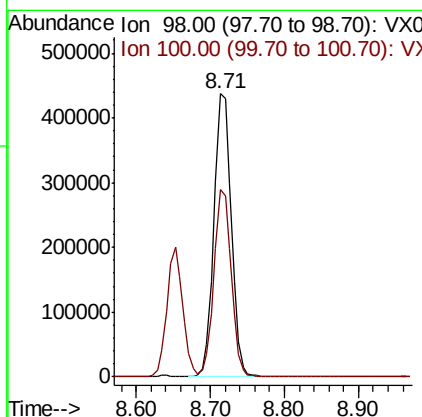
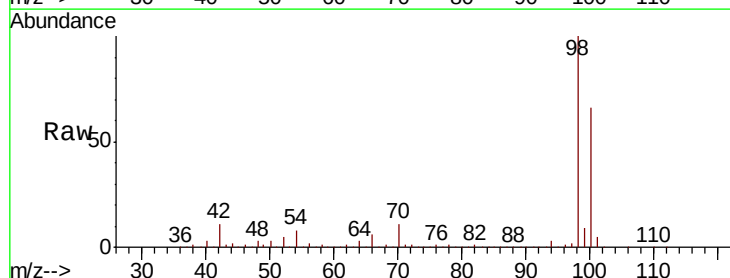
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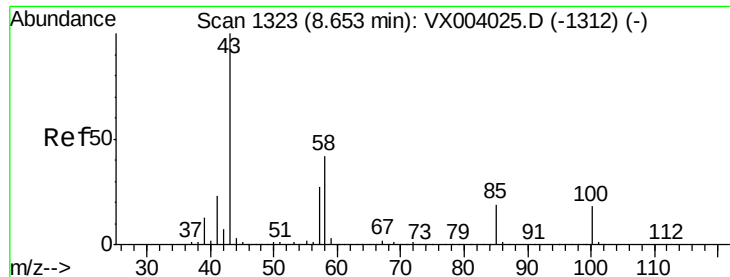
MMDadoda
8/20/2018 10:04:04 AM



#50
Toluene-d8
Concen: 52.66 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 263.78 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1735491

Ion Ratio Lower Upper

43 100

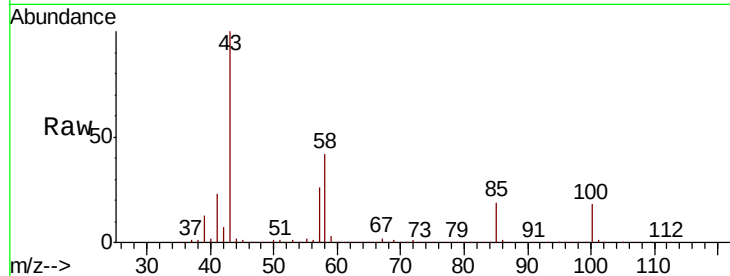
58 41.3 33.0 49.6

Manual Integrations

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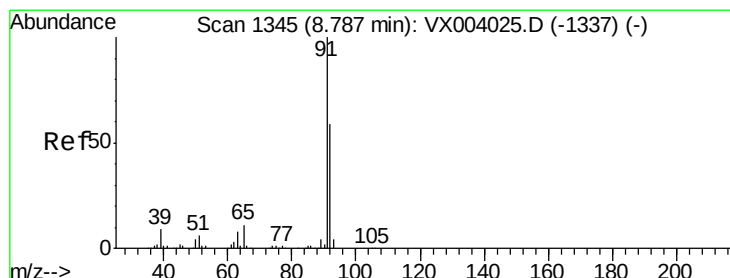
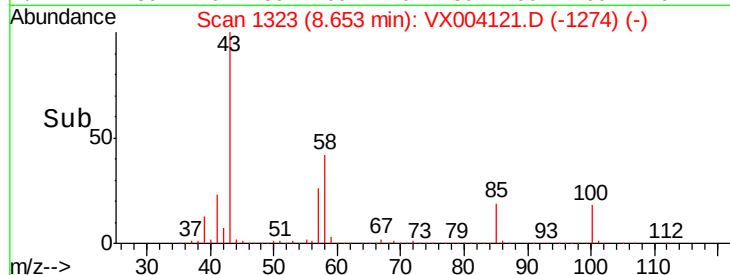
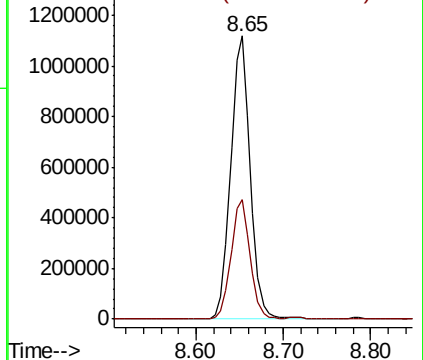
MMDadoda

8/20/2018 10:04:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.64 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004121.D

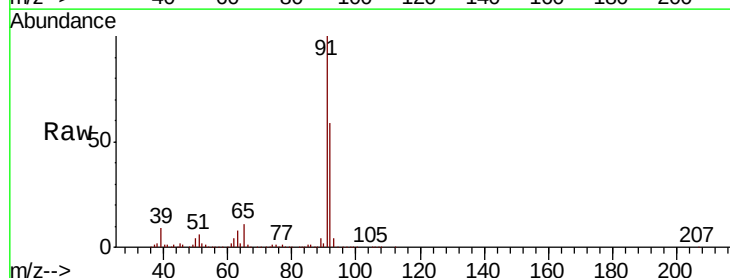
Acq: 17 Aug 2018 08:27

Tgt Ion: 92 Resp: 509208

Ion Ratio Lower Upper

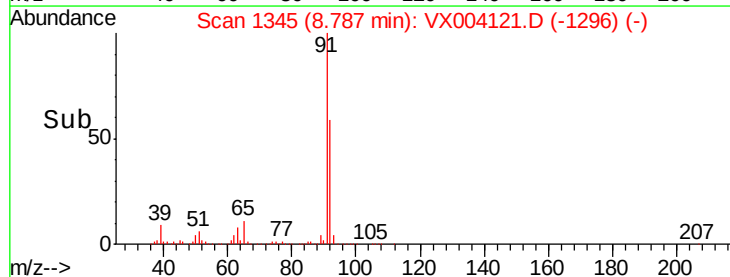
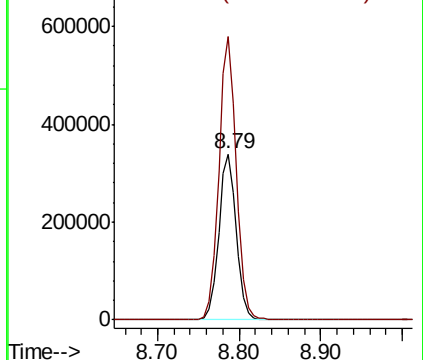
92 100

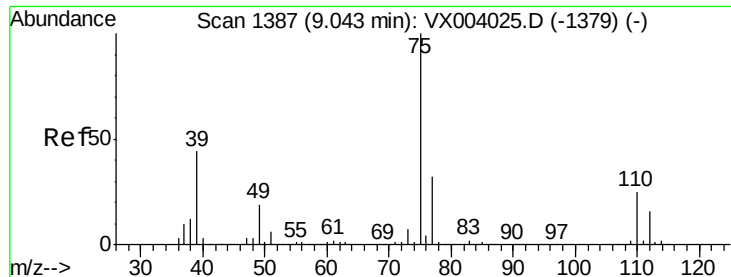
91 169.6 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





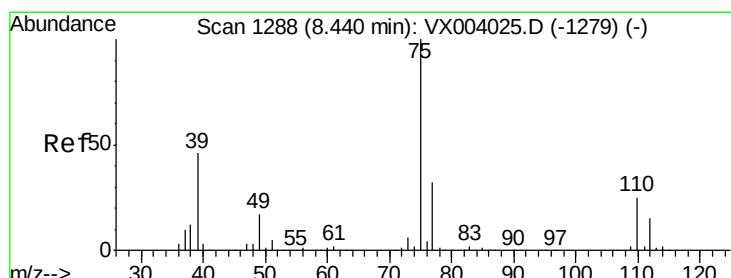
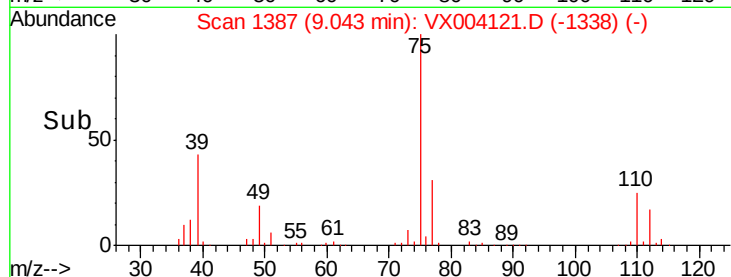
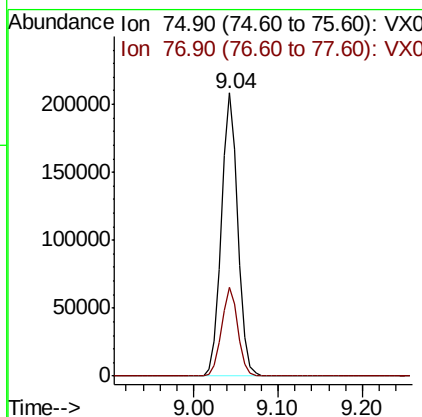
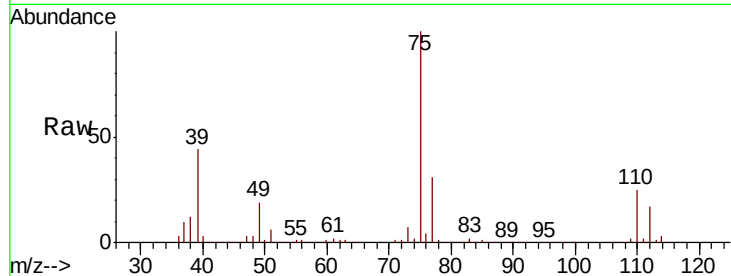
#53
 t-1,3-Dichloropropene
 Concen: 54.86 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 281894
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7

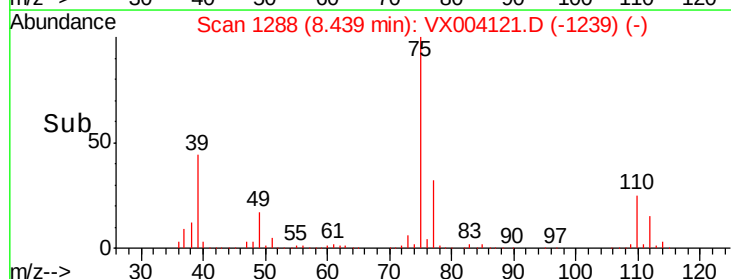
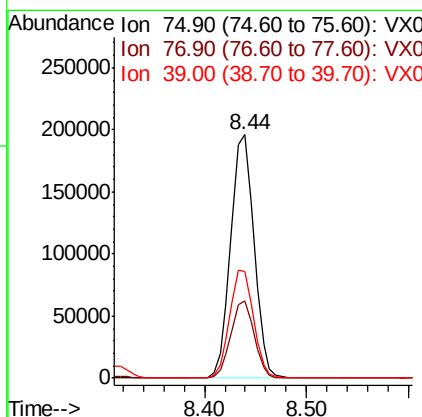
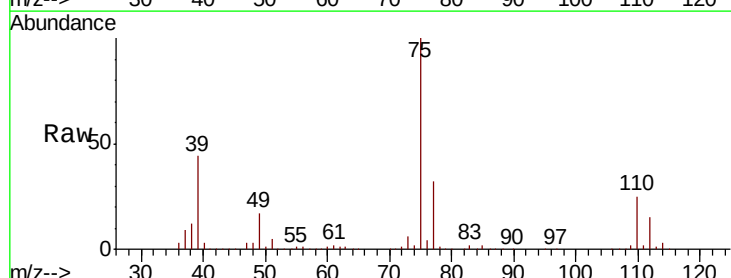
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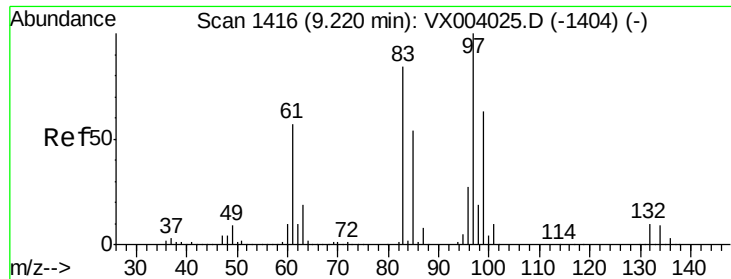
MMDadoda
 8/20/2018 10:04:04 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.42 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion: 75 Resp: 309657
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 43.6 36.2 54.2





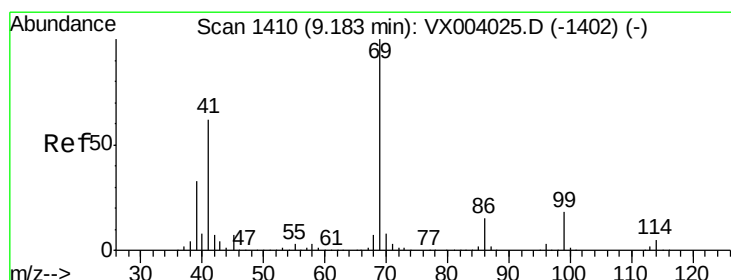
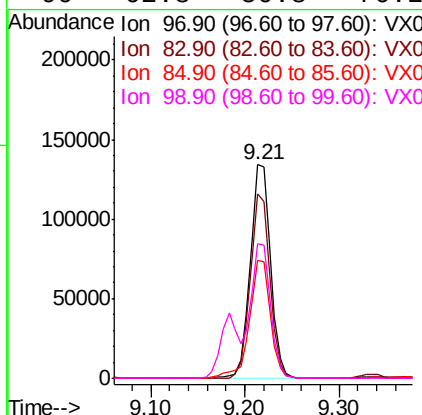
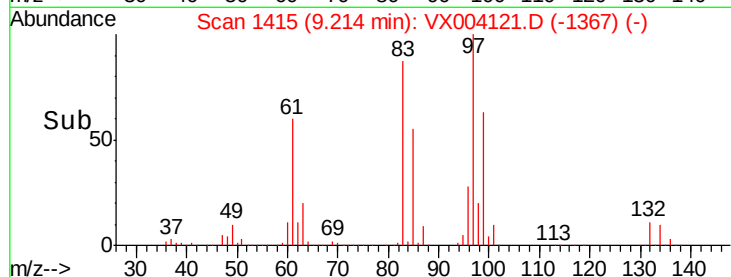
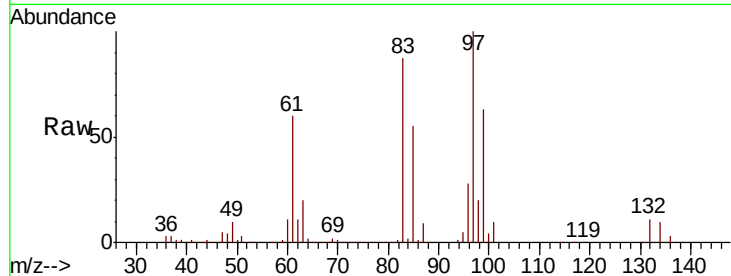
#55
 1,1,2-Trichloroethane
 Concen: 51.96 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		203686		
83	86.6	67.8	101.6		
85	55.4	44.2	66.2		
99	62.8	50.8	76.2		

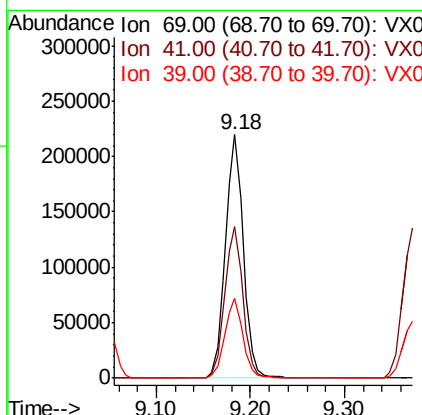
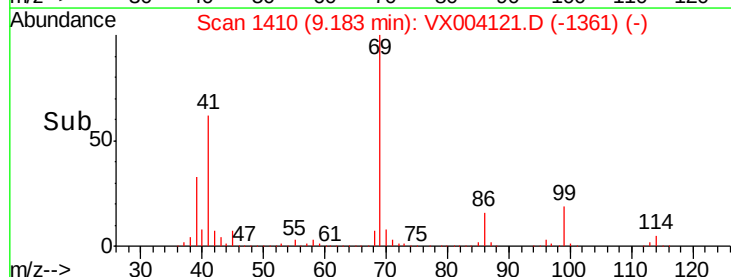
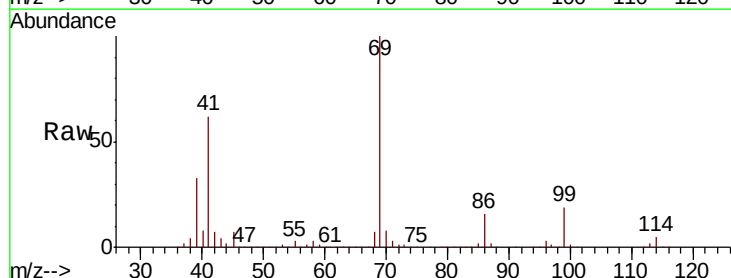
Manual Integrations
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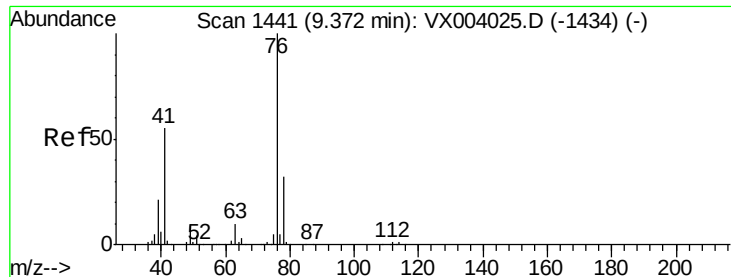
MMDadoda
 8/20/2018 10:04:04 AM



#56
 Ethyl methacrylate
 Concen: 54.61 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		291107		
41	62.9	50.6	76.0		
39	33.0	25.8	38.6		





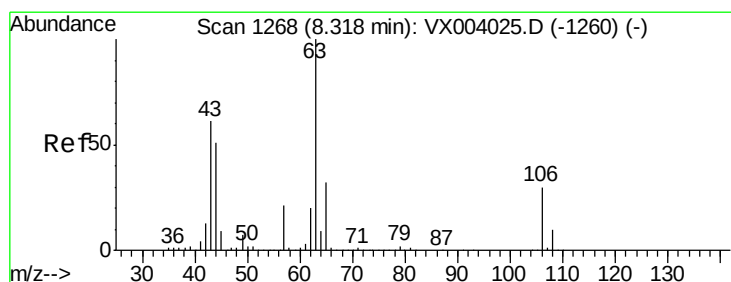
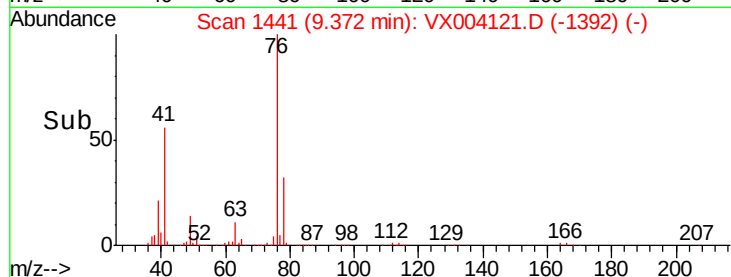
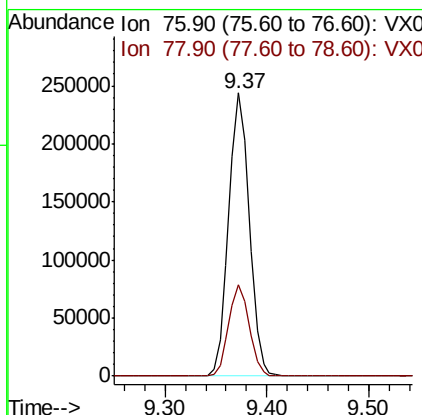
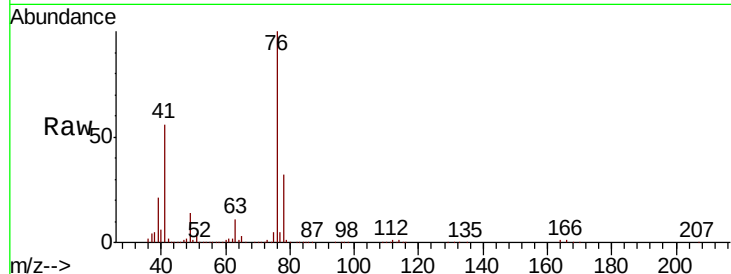
#57
 1,3-Dichloropropane
 Concen: 52.45 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

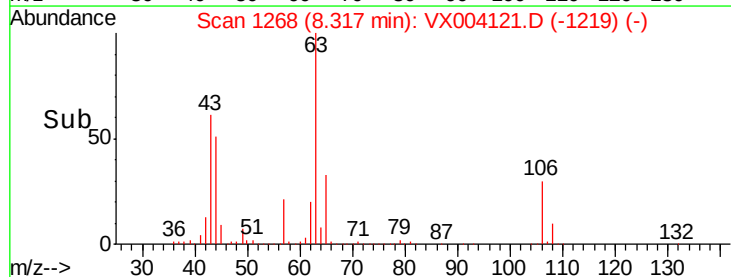
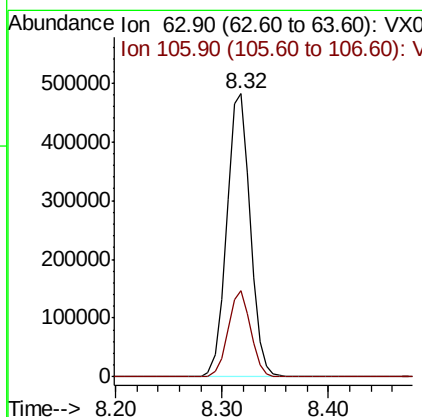
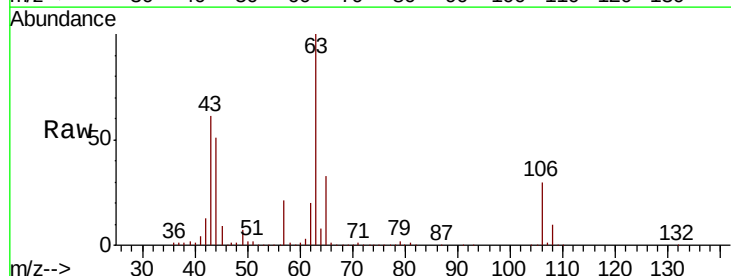
Manual Integrations
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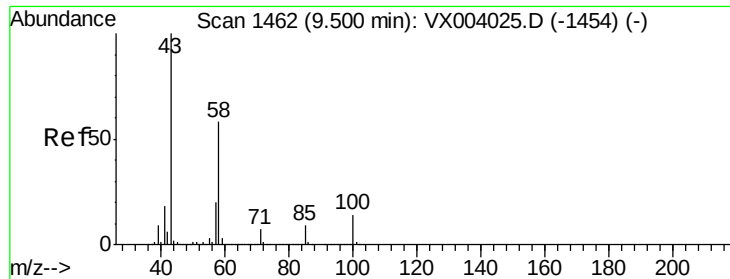
MMDadoda
 8/20/2018 10:04:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.59 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.8	35.8





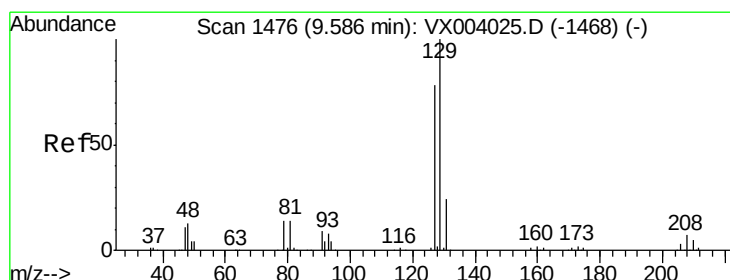
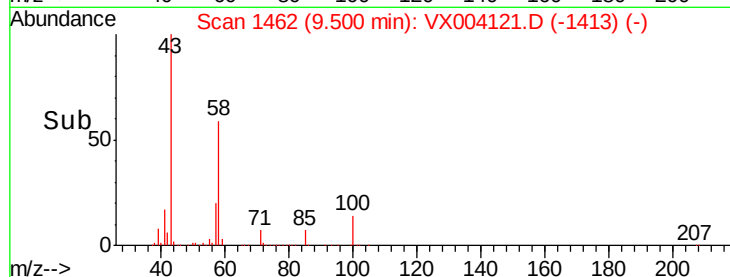
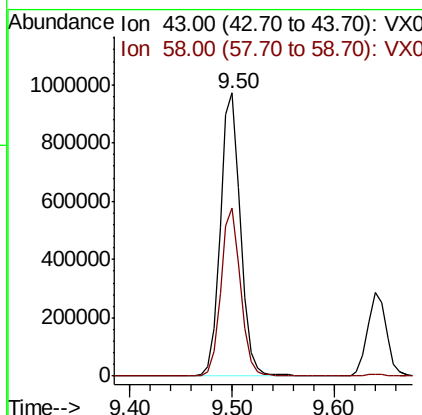
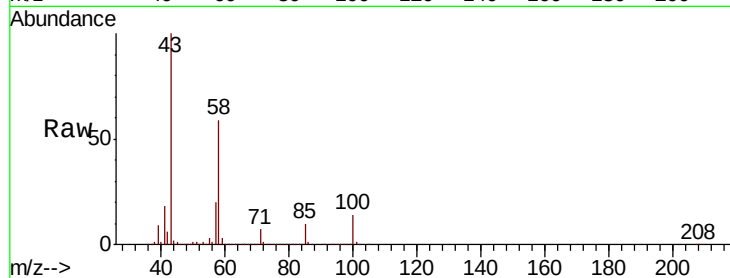
#59
2-Hexanone
Concen: 270.03 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1337074
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

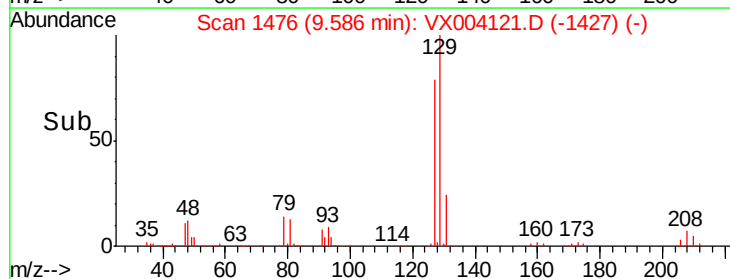
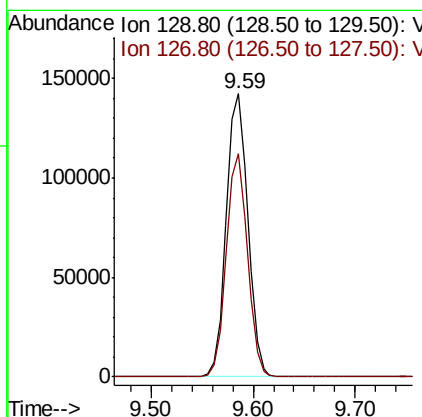
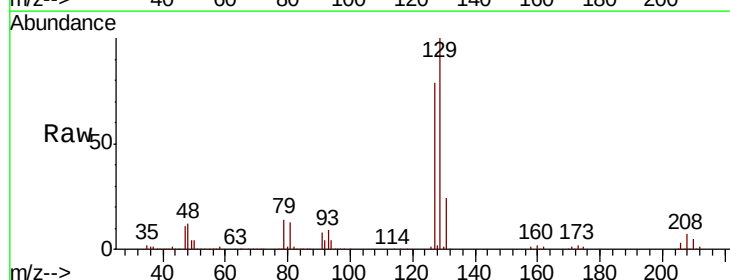
Manual Integrations
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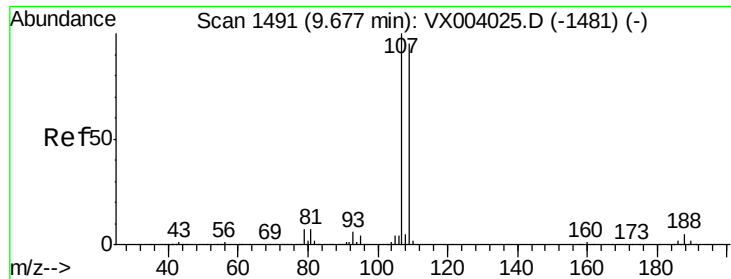
MMDadoda
8/20/2018 10:04:04 AM



#60
Dibromochloromethane
Concen: 55.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion: 129 Resp: 207801
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 53.29 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 212983

Ion Ratio Lower Upper

107 100

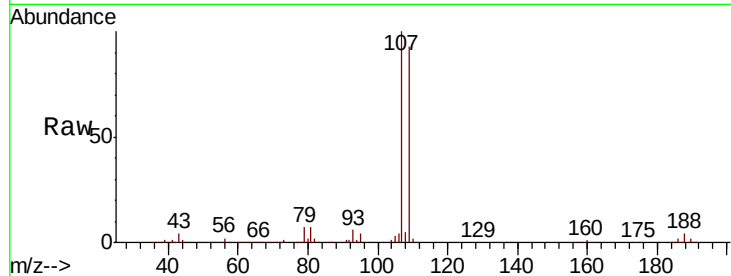
109 93.7 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

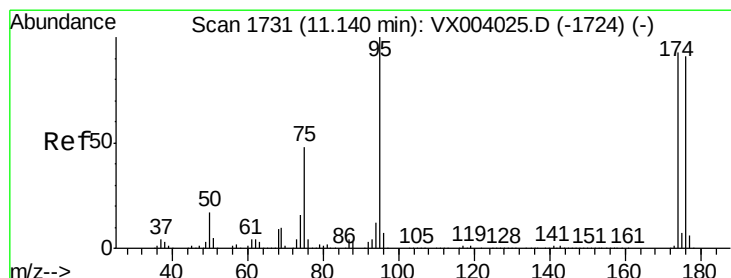
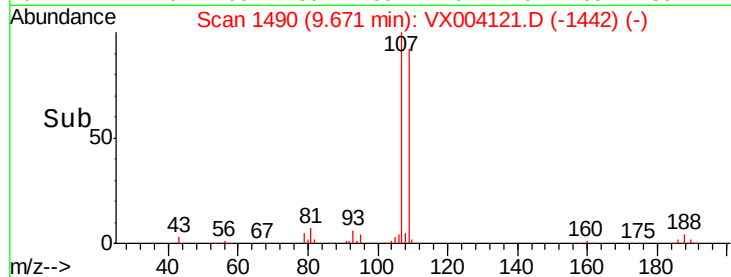
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

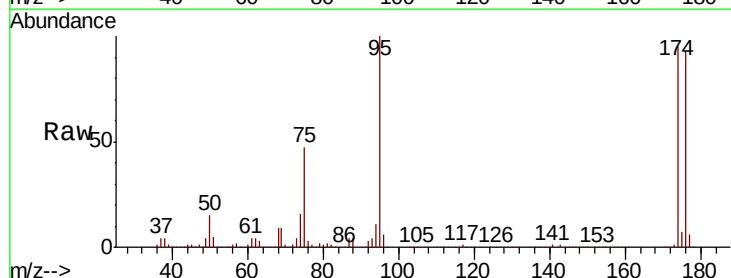
Tgt Ion: 95 Resp: 243074

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.8

176 92.1 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

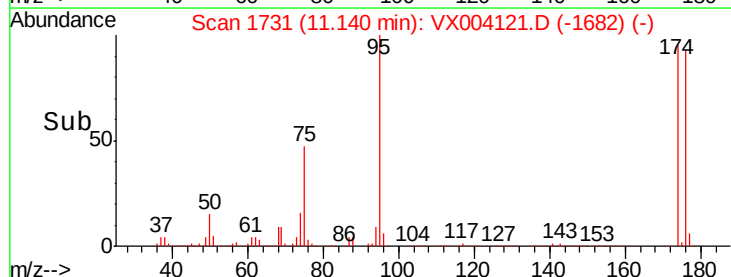
100000

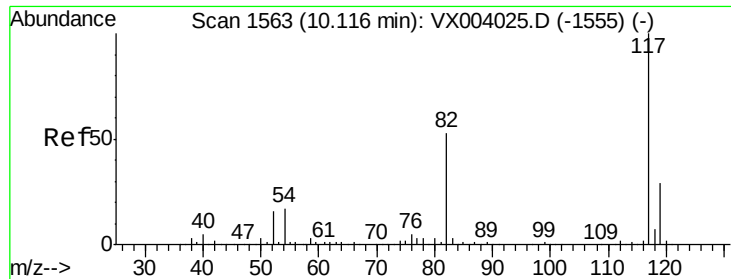
50000

0

11.10 11.20

Time-->





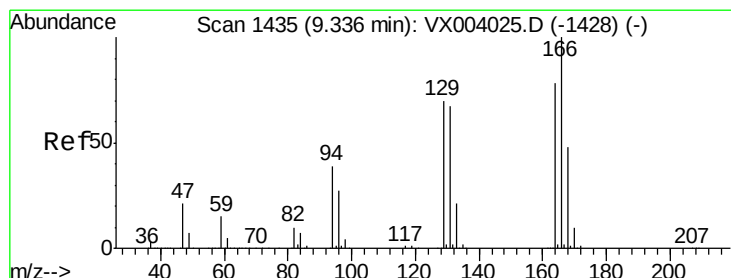
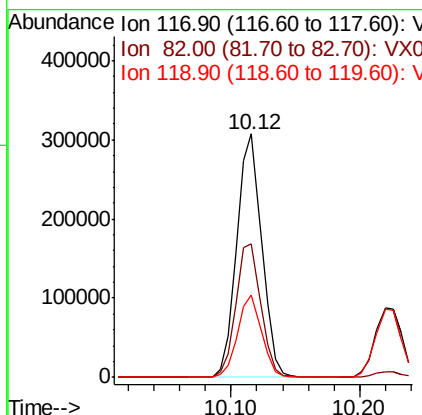
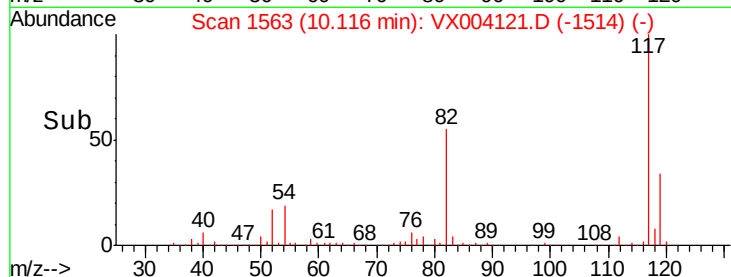
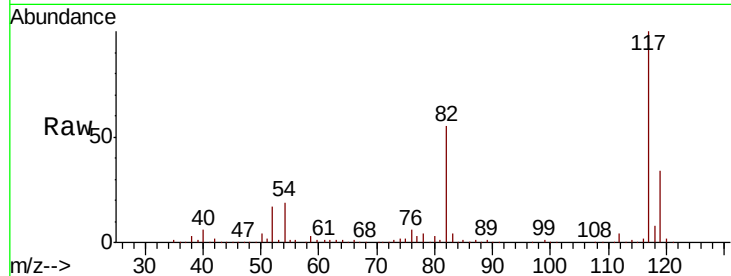
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.4	68.0
119	33.7	26.6	40.0

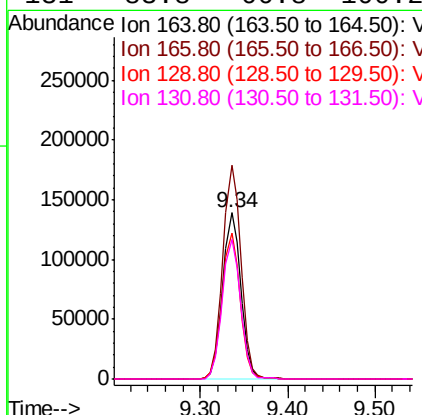
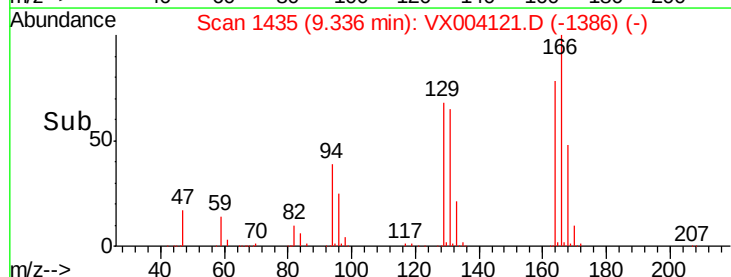
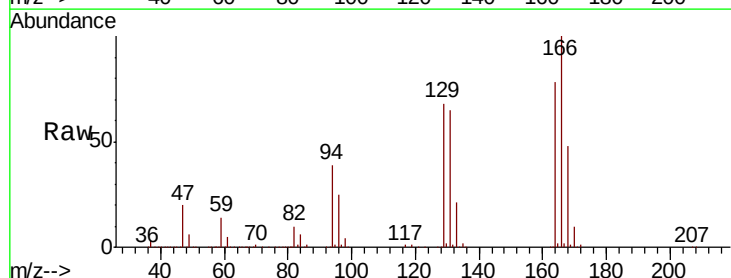
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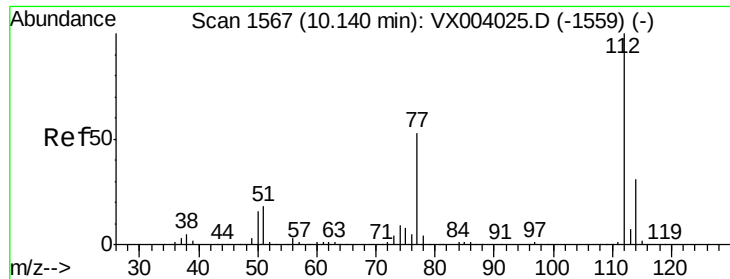
MMDadoda
8/20/2018 10:04:04 AM



#64
Tetrachloroethene
Concen: 50.69 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	98.0	147.0
129	87.8	64.3	96.5
131	83.8	66.8	100.2





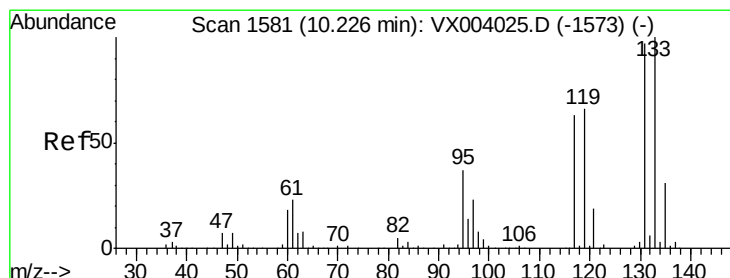
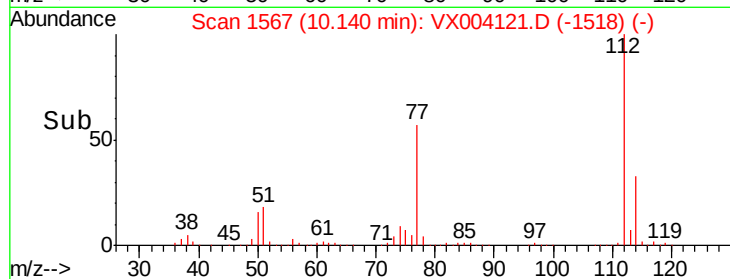
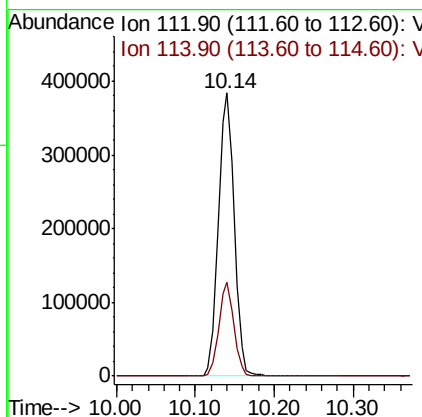
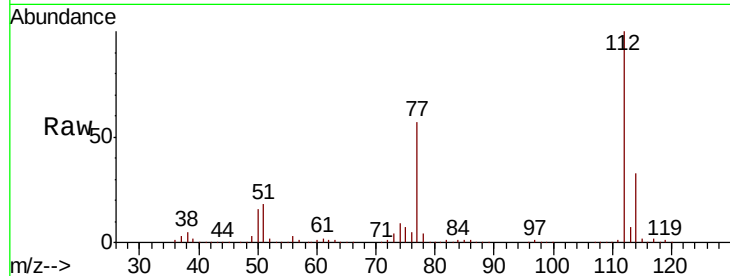
#65
Chlorobenzene
Concen: 49.98 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 538224
Ion Ratio Lower Upper
112 100
114 33.1 23.6 35.4

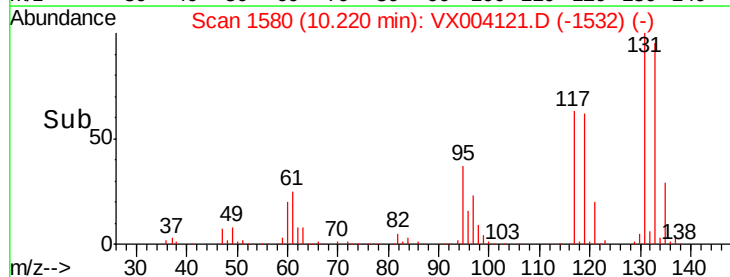
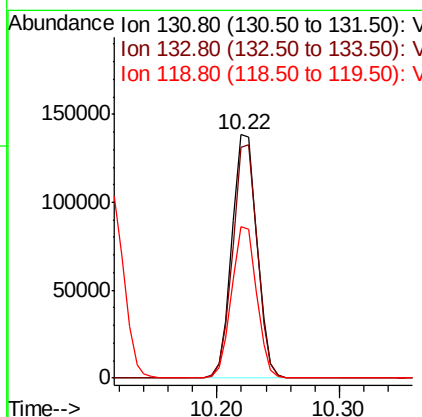
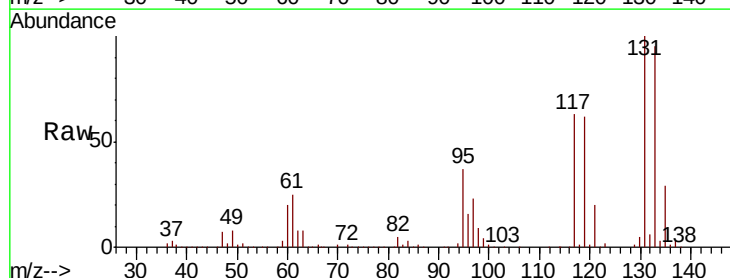
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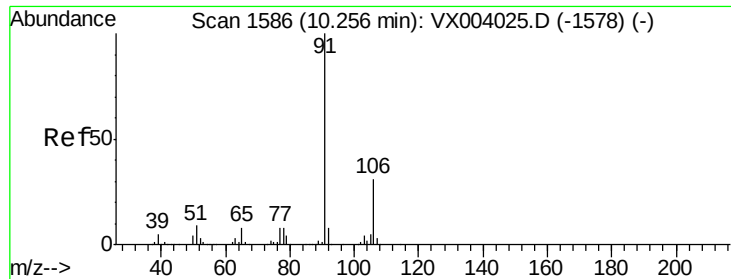
MMDadoda
8/20/2018 10:04:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.07 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion:131 Resp: 194908
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.8
119 62.1 31.6 94.8





#67

Ethyl Benzene

Concen: 52.54 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 895855

Ion Ratio Lower Upper

91 100

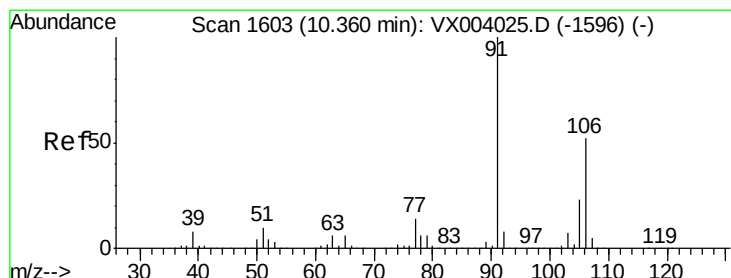
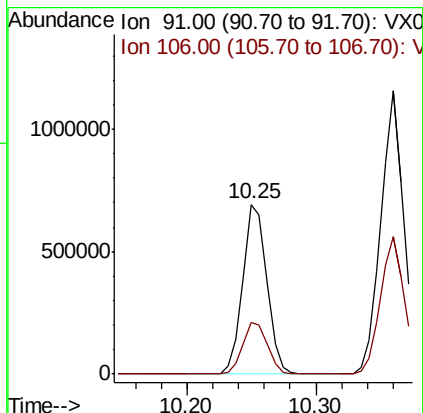
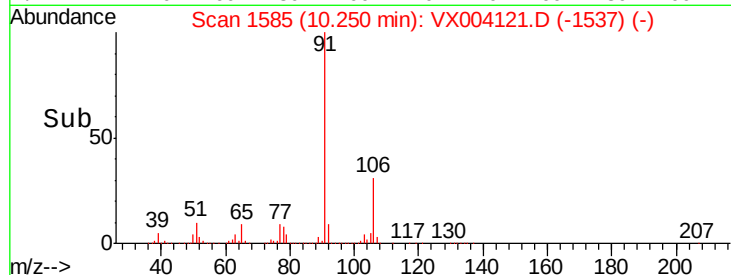
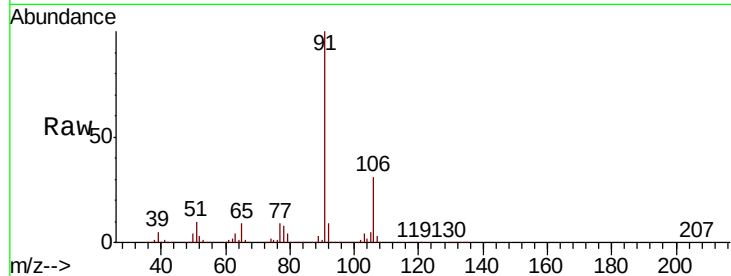
106 30.8 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.86 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004121.D

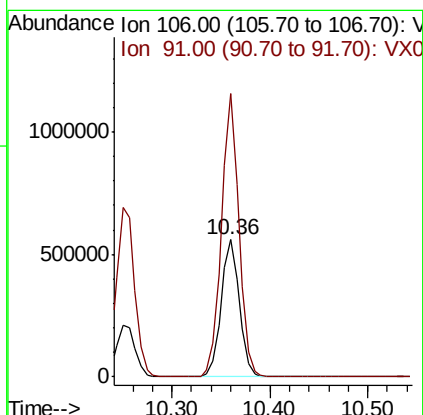
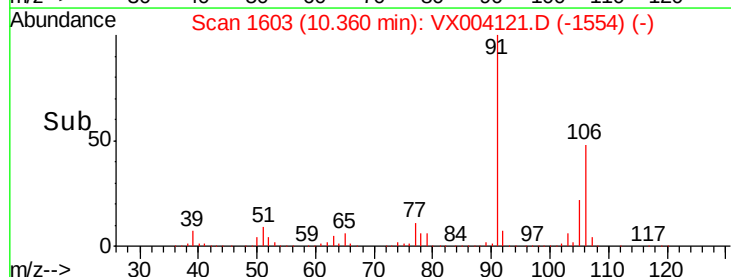
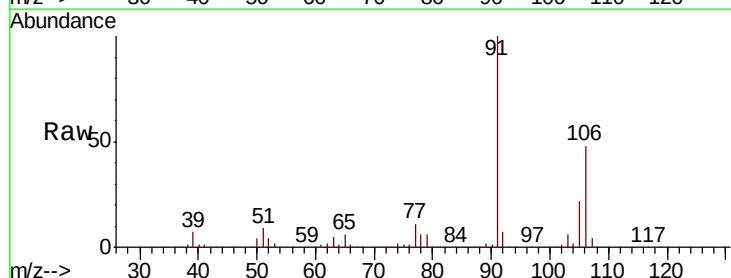
Acq: 17 Aug 2018 08:27

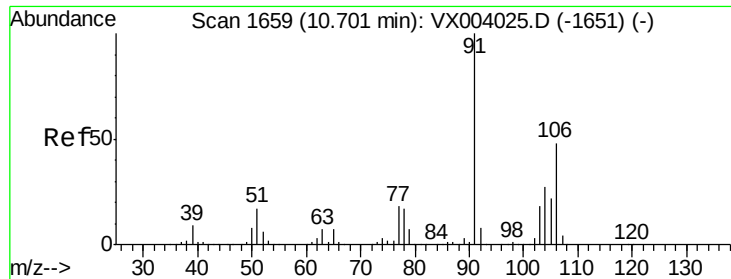
Tgt Ion: 106 Resp: 720220

Ion Ratio Lower Upper

106 100

91 198.9 162.3 243.5





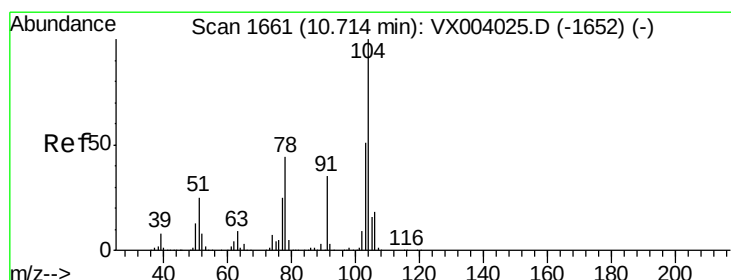
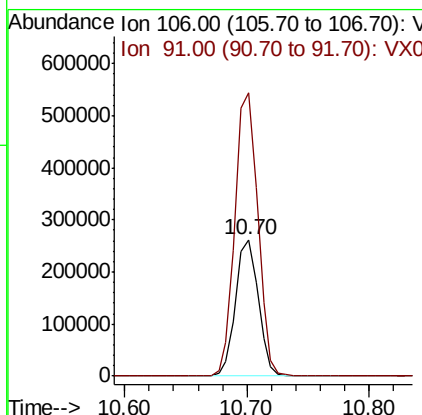
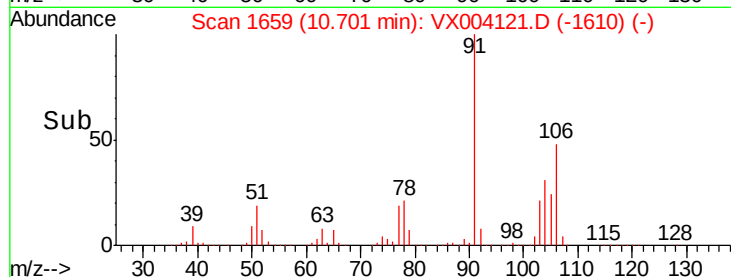
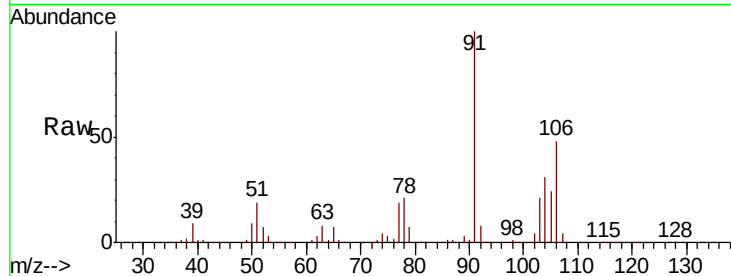
#69
o-Xylene
Concen: 52.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 334786
Ion Ratio Lower Upper
106 100
91 210.9 101.9 305.7

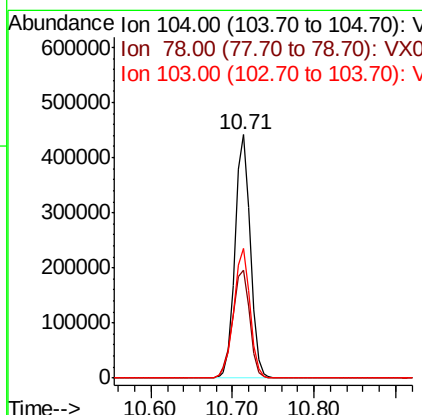
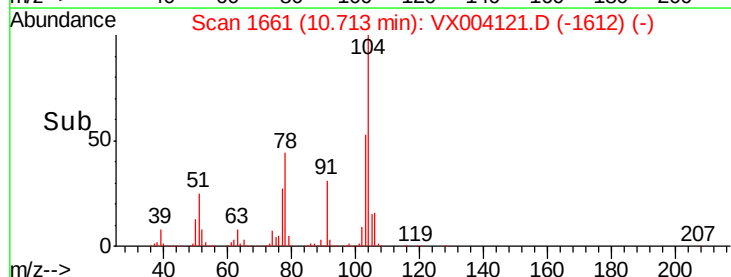
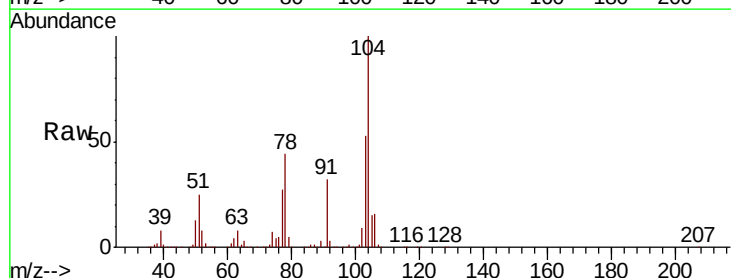
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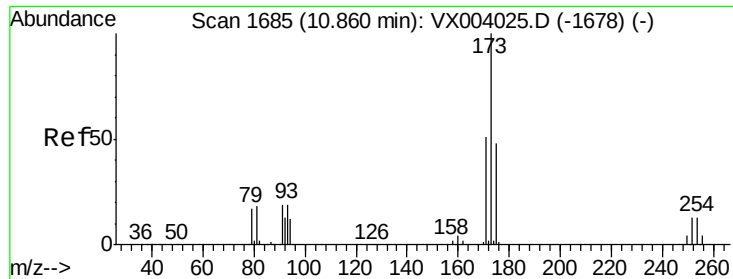
MMDadoda
8/20/2018 10:04:04 AM



#70
Styrene
Concen: 52.39 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion:104 Resp: 562681
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.6
103 56.4 44.3 66.5





#71

Bromoform

Concen: 51.73 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

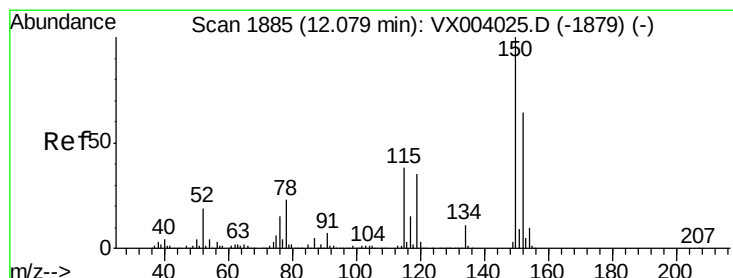
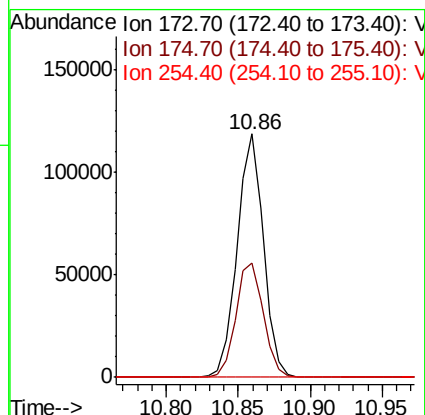
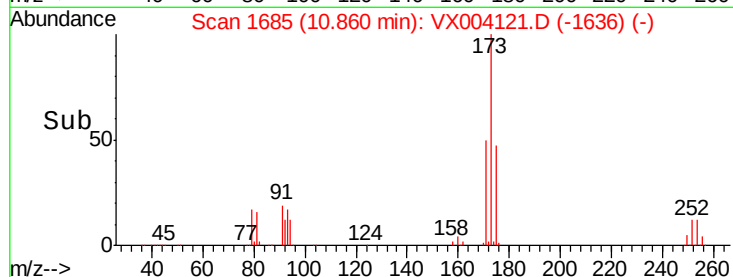
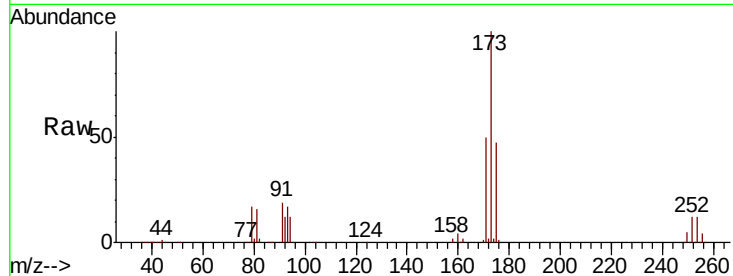
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	150654
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.9	74.7
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

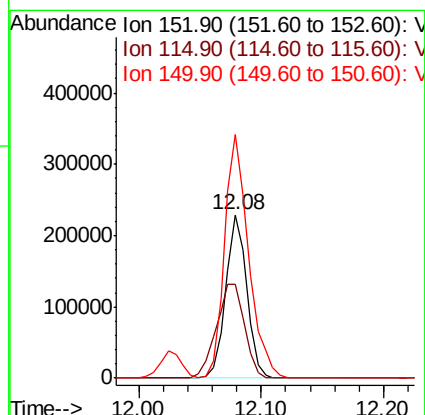
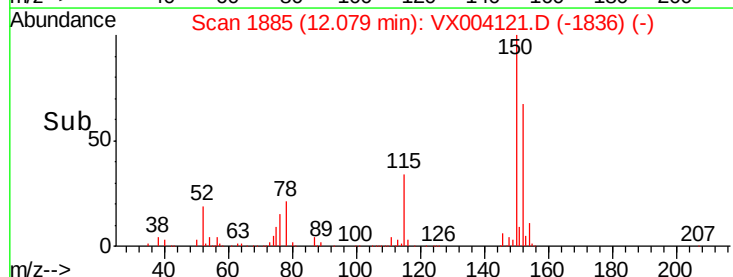
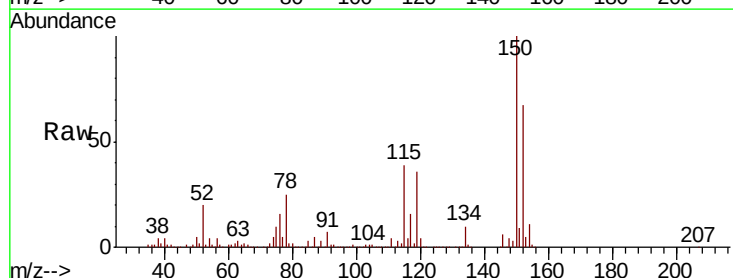
RT: 12.08 min Scan# 1885

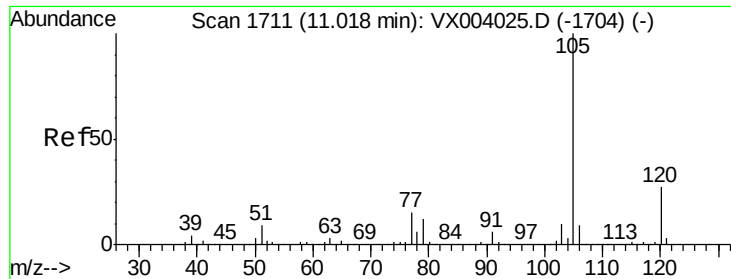
Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion:	152	Resp:	270323
Ion Ratio	Lower	Upper	
152	100		
115	78.0	39.1	117.3
150	171.3	0.0	349.2





#73

Isopropylbenzene

Concen: 50.85 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 930150

Ion Ratio Lower Upper

105 100

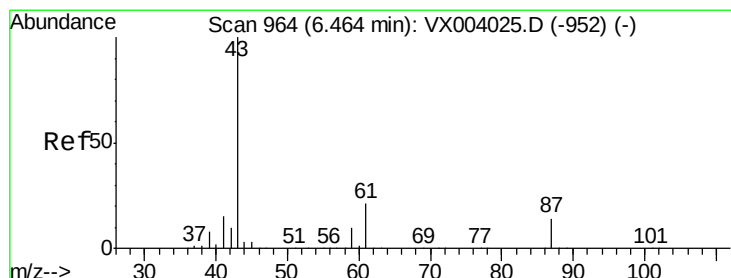
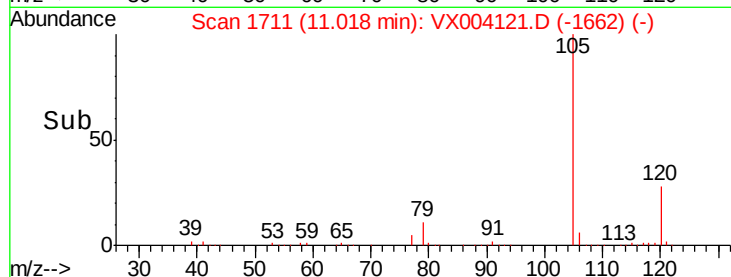
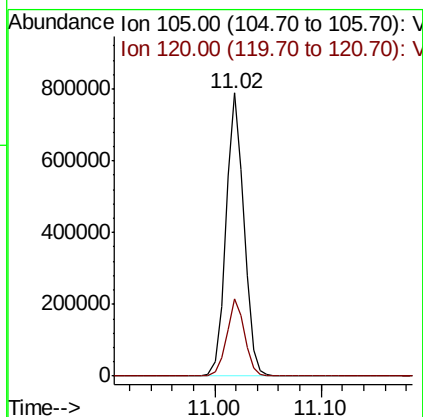
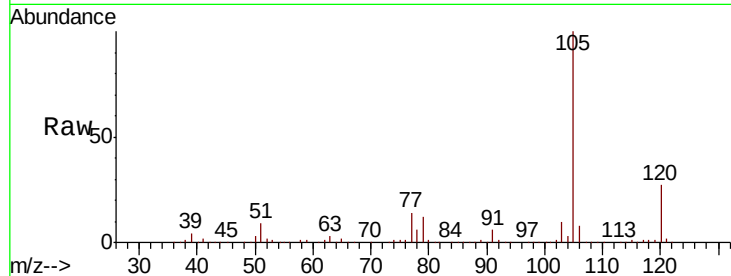
120 27.0 12.6 37.8

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#74

N-ethyl acetate

Concen: 45.27 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion: 43 Resp: 389489

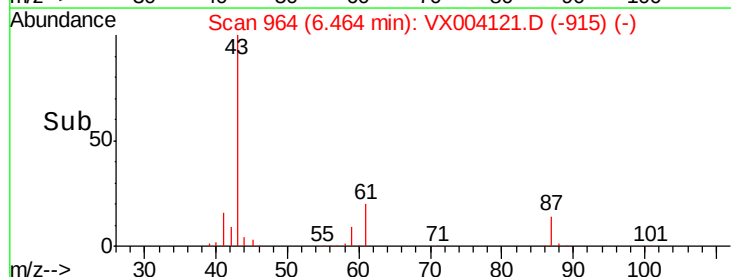
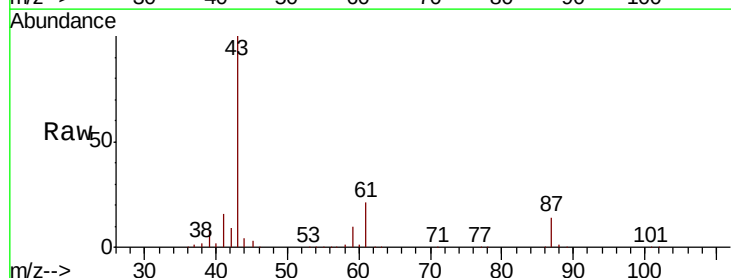
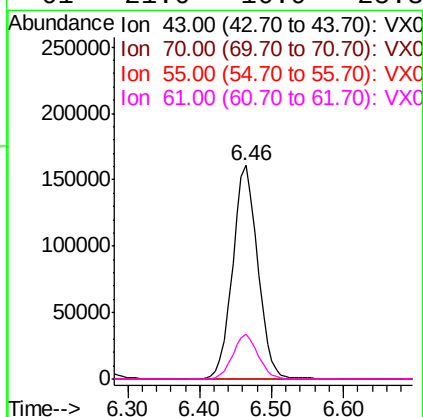
Ion Ratio Lower Upper

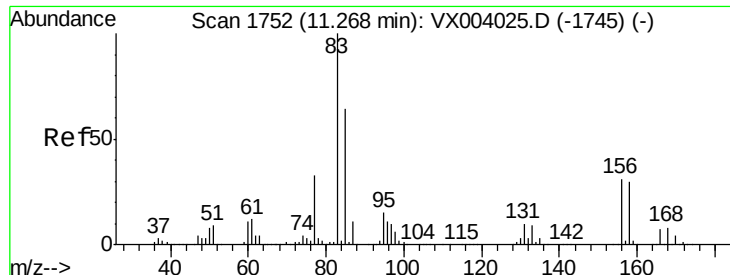
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 21.0 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.29 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 308523

Ion Ratio Lower Upper

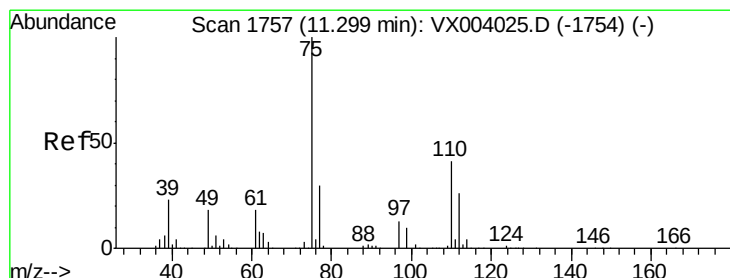
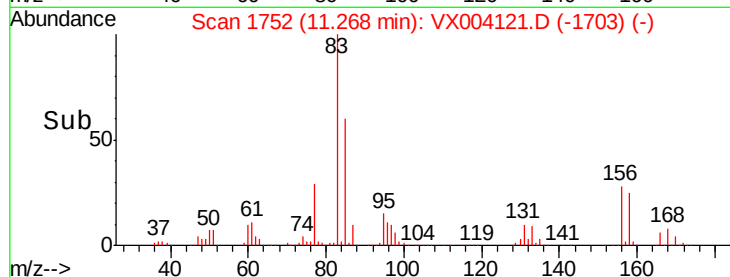
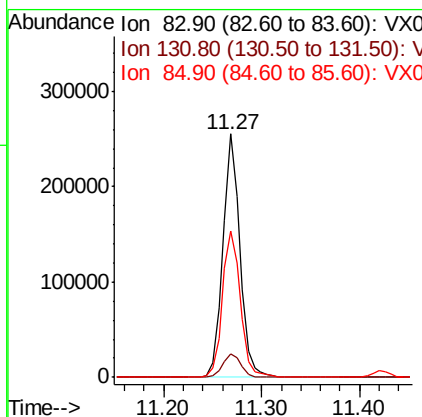
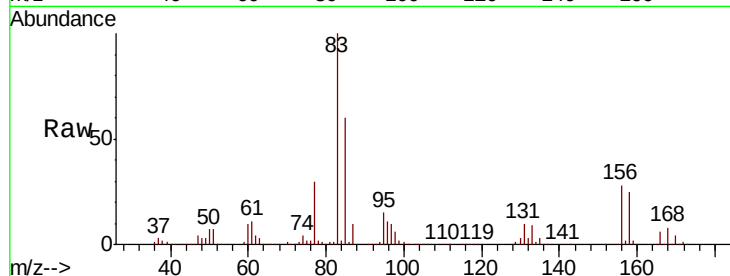
83 100

131 10.3 5.2 15.6

85 63.4 32.2 96.6

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8/20/2018 10:04:04 AM



#76

1,2,3-Trichloropropane

Concen: 50.95 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004121.D

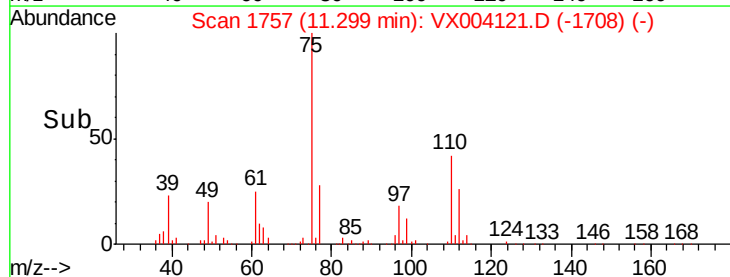
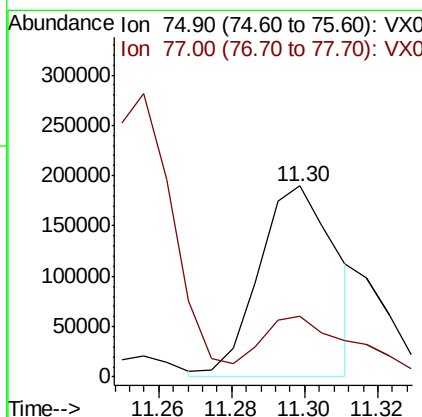
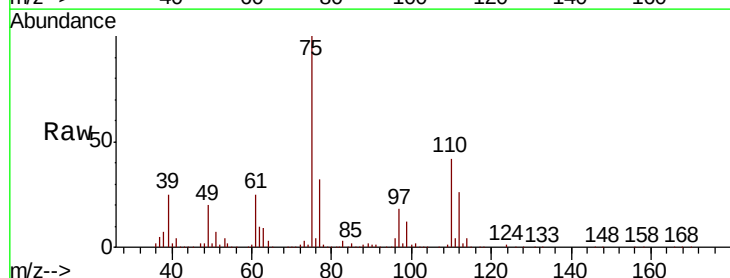
Acq: 17 Aug 2018 08:27

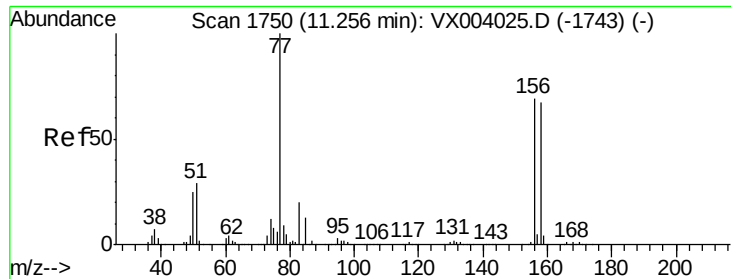
Tgt Ion: 75 Resp: 276196

Ion Ratio Lower Upper

75 100

77 38.2 20.8 62.5





#77

Bromobenzene

Concen: 49.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

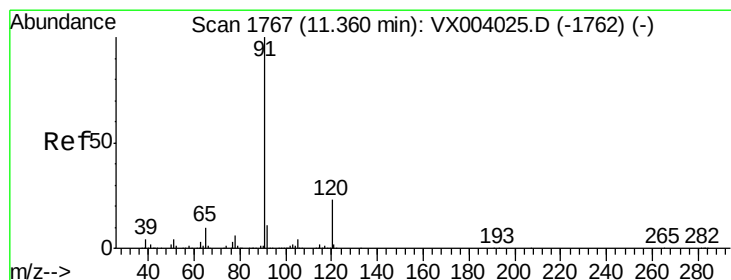
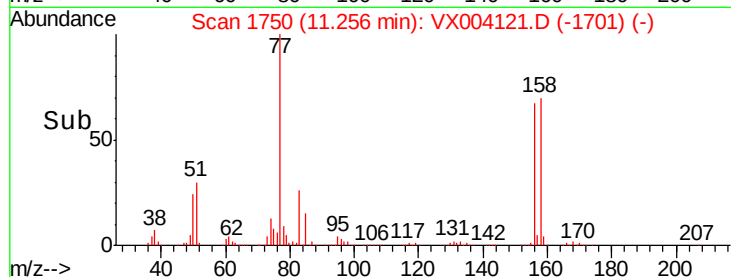
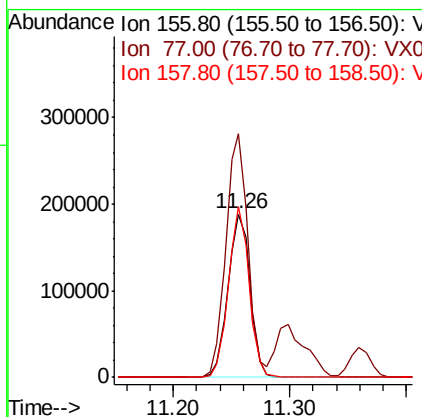
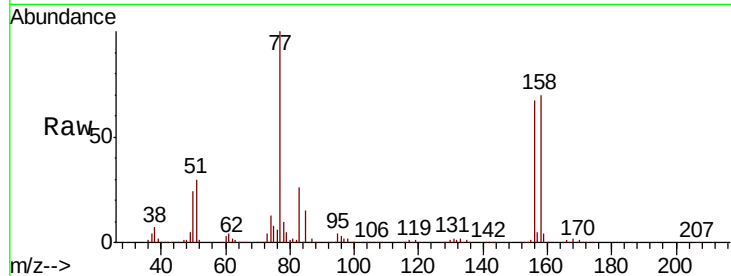
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	148.9	74.1	222.2	
158	98.3	48.6	145.9	

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#78

n-propylbenzene

Concen: 53.85 ug/l

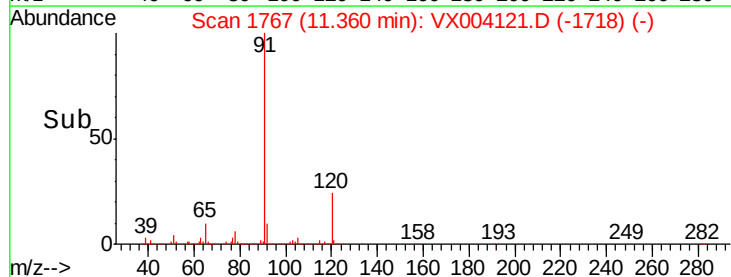
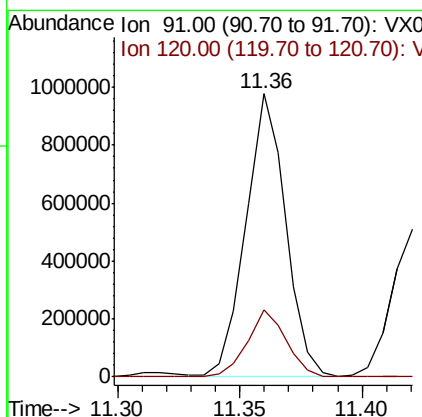
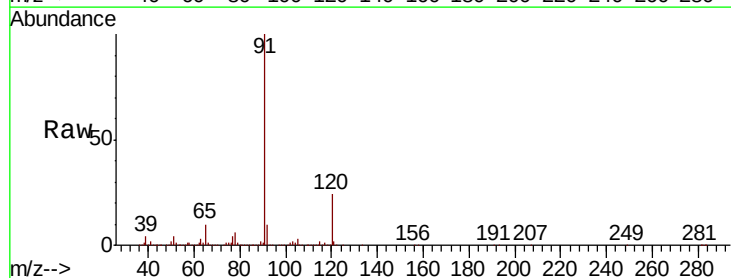
RT: 11.36 min Scan# 1767

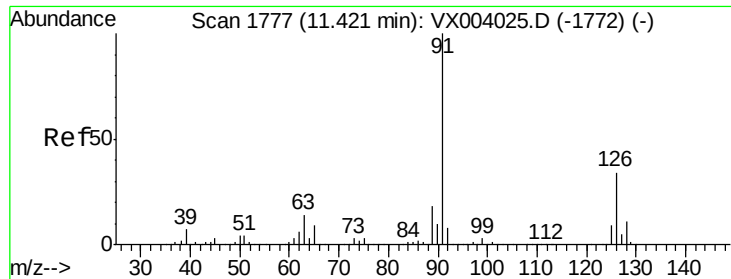
Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.9	35.5	





#79

2-Chlorotoluene

Concen: 50.20 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 626300

Ion Ratio Lower Upper

91 100

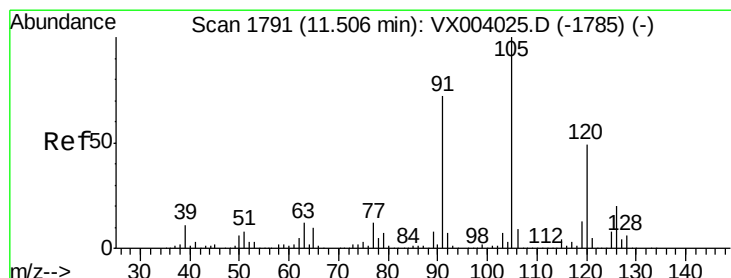
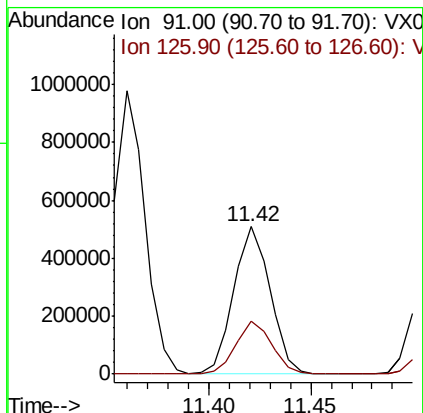
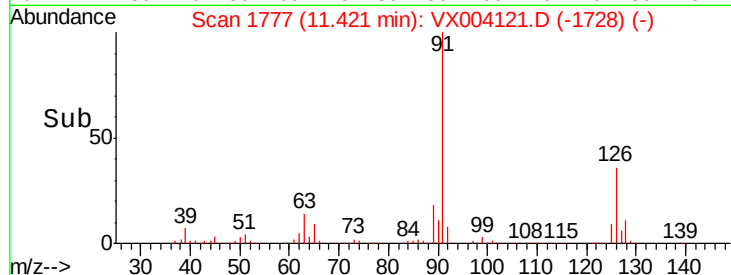
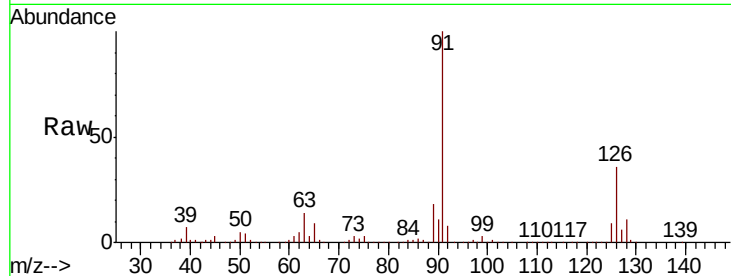
126 35.6 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.31 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004121.D

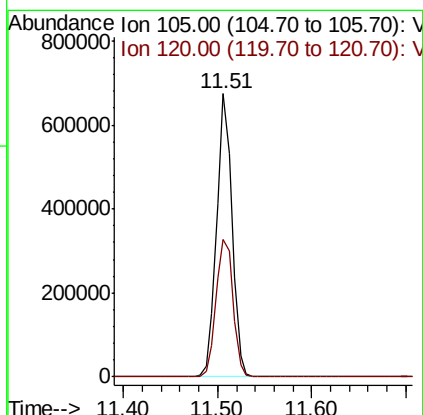
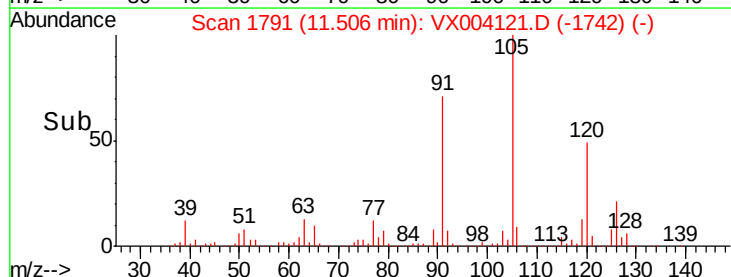
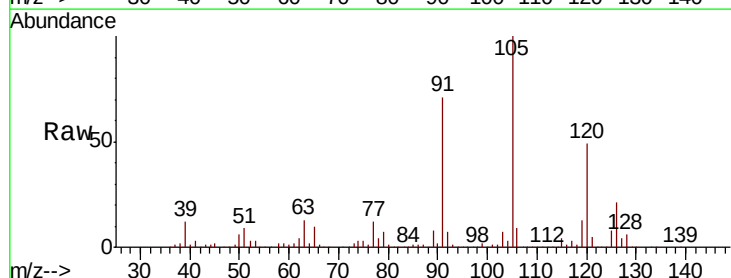
Acq: 17 Aug 2018 08:27

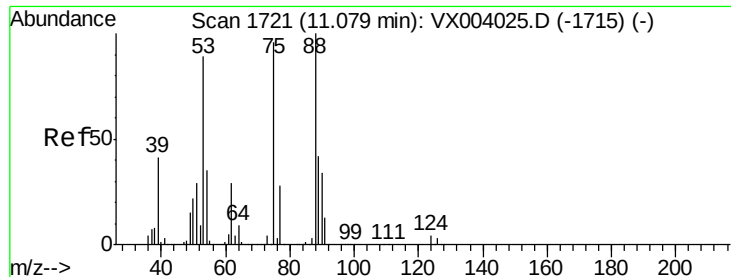
Tgt Ion: 105 Resp: 768556

Ion Ratio Lower Upper

105 100

120 53.2 25.4 76.2





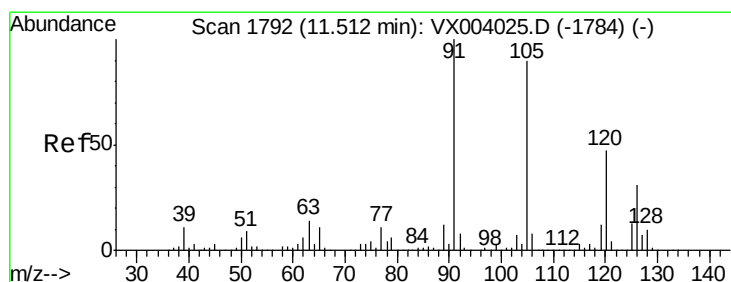
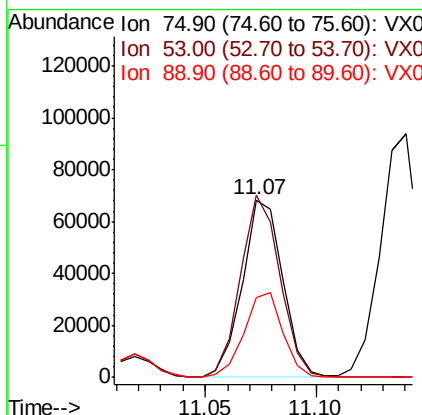
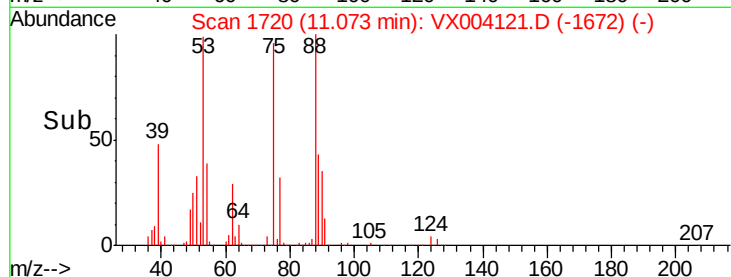
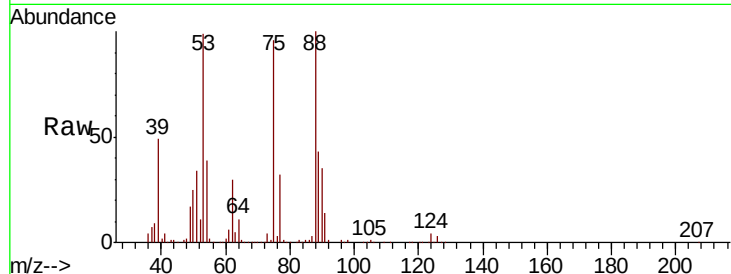
#81
trans-1,4-Dichloro-2-butene
Concen: 49.31 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	80.3	120.5
89	46.4	37.8	56.8

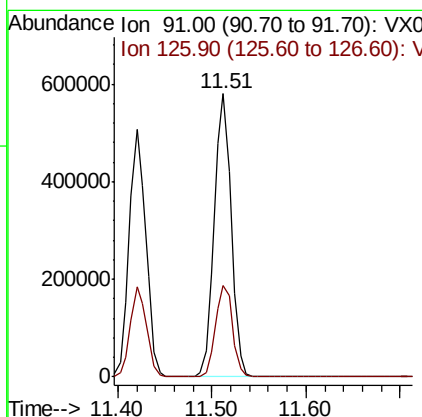
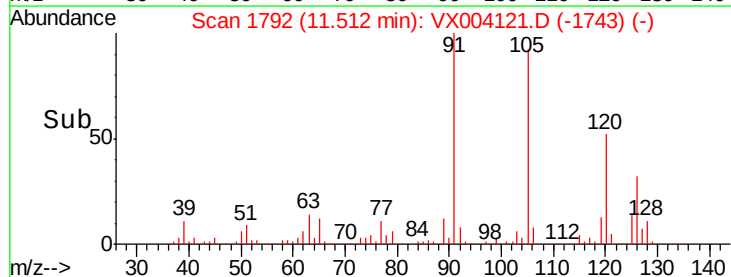
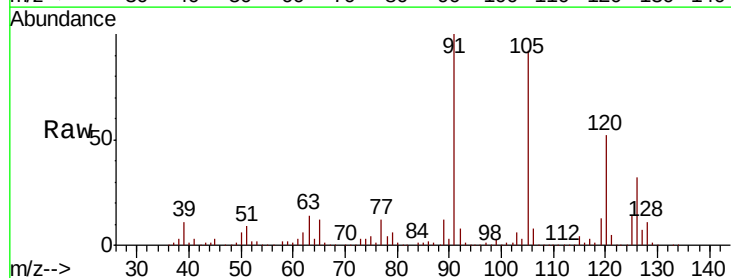
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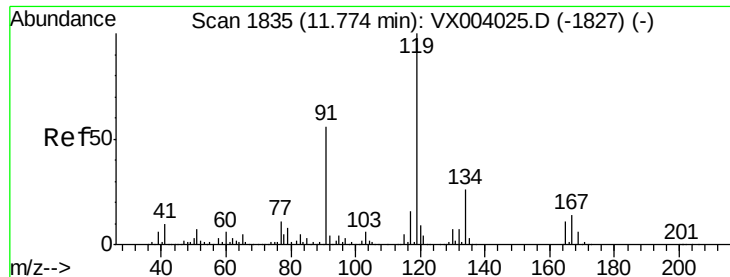
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.09 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.6	46.7





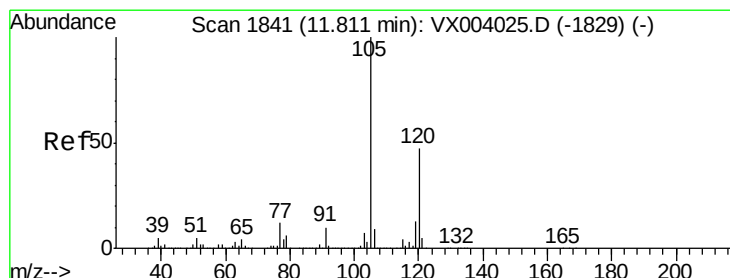
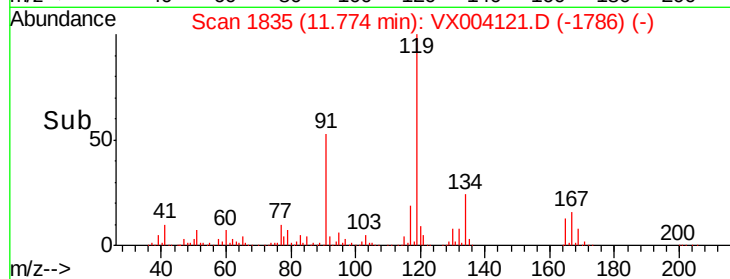
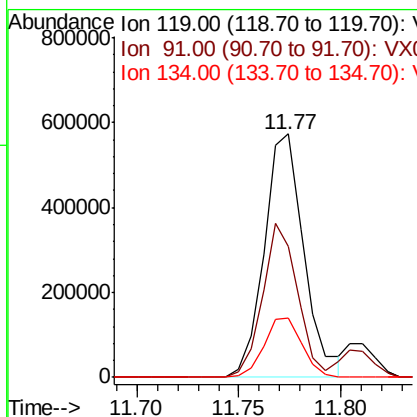
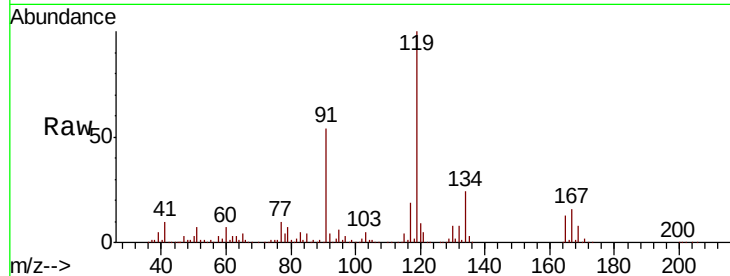
#83
 tert-Butylbenzene
 Concen: 51.38 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	26.9	80.7
134	23.7	12.0	36.0

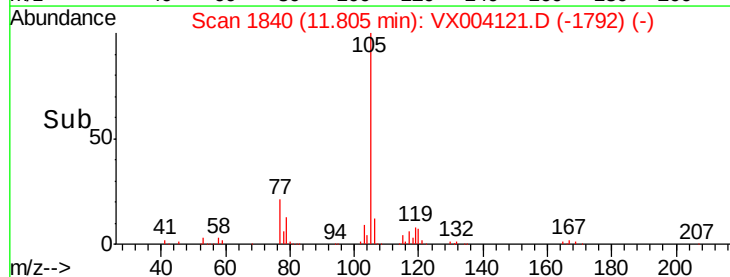
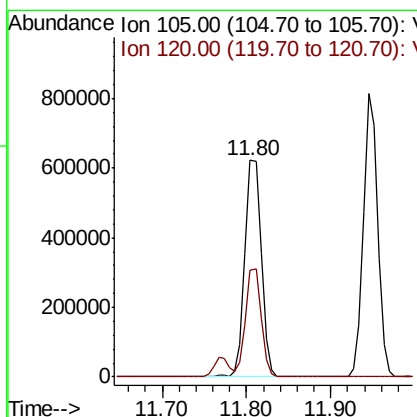
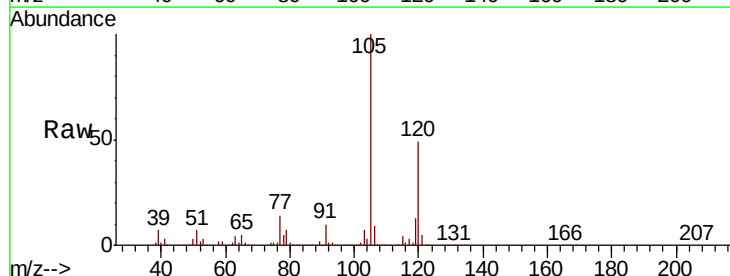
Manual Integrations
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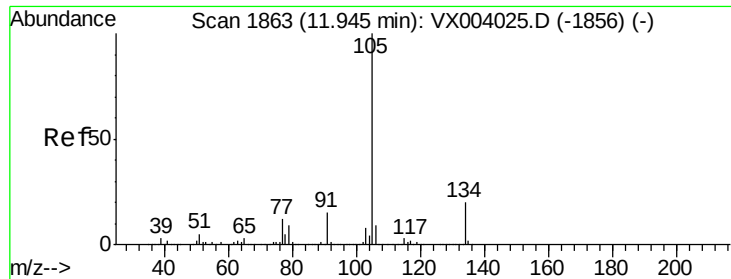
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 8/20/2018 10:04:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.17 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 54.55 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 964293

Ion Ratio Lower Upper

105 100

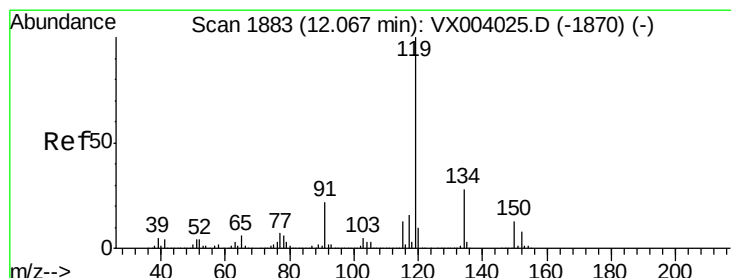
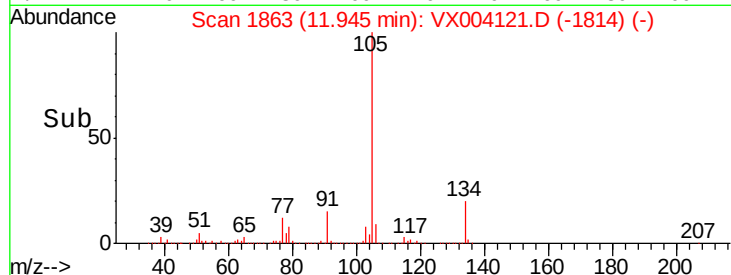
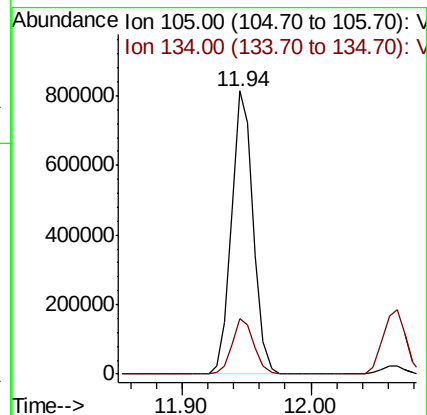
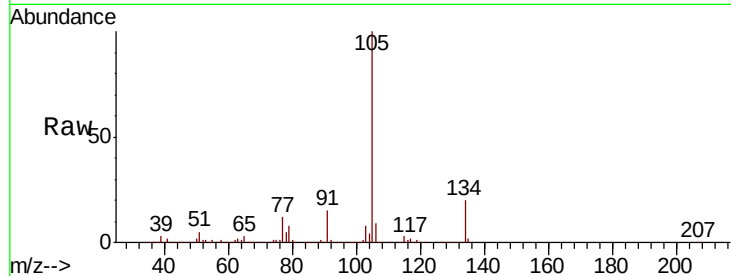
134 19.8 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.49 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004121.D

Acq: 17 Aug 2018 08:27

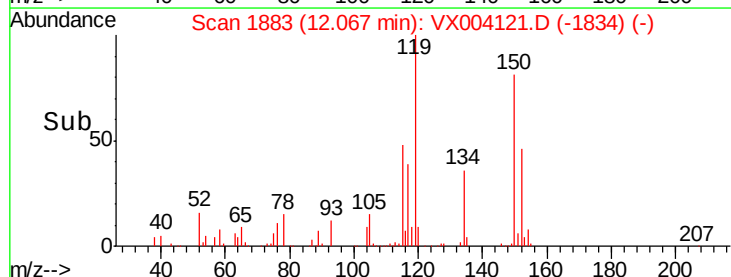
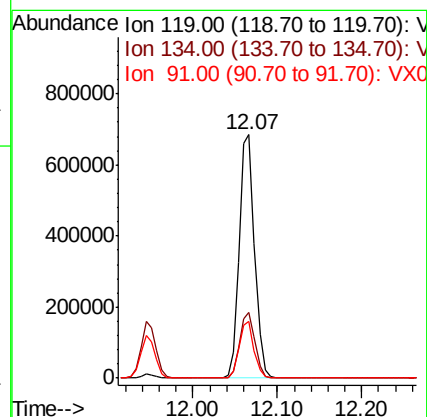
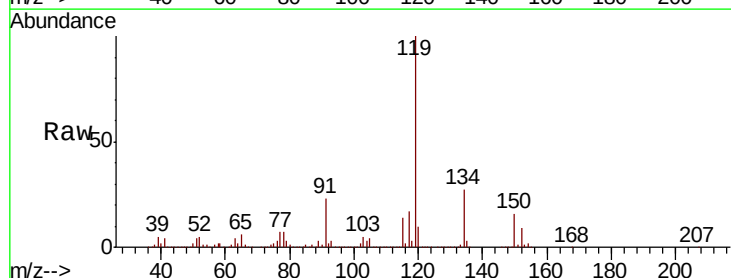
Tgt Ion:119 Resp: 839980

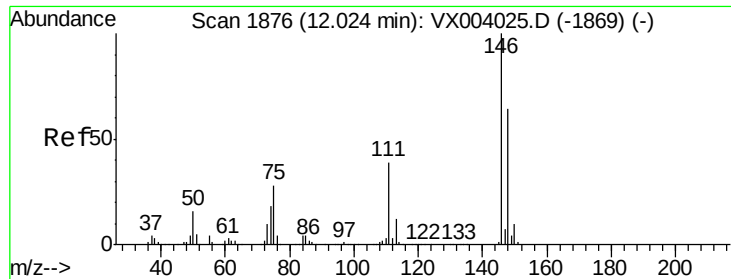
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 10.9 32.7





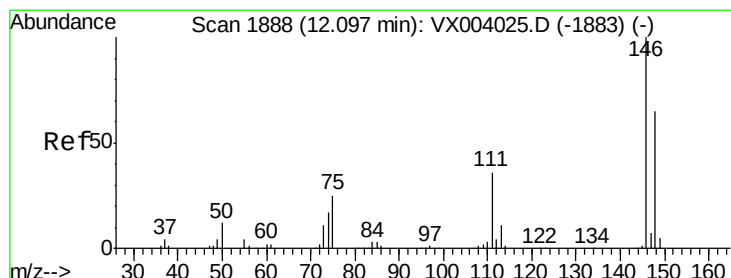
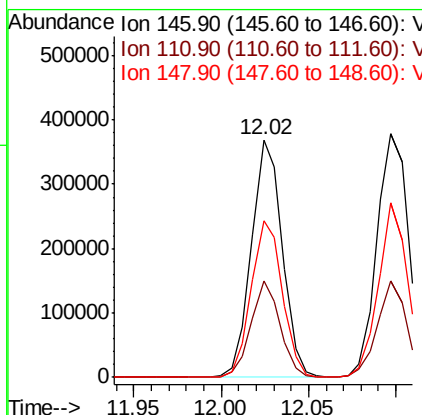
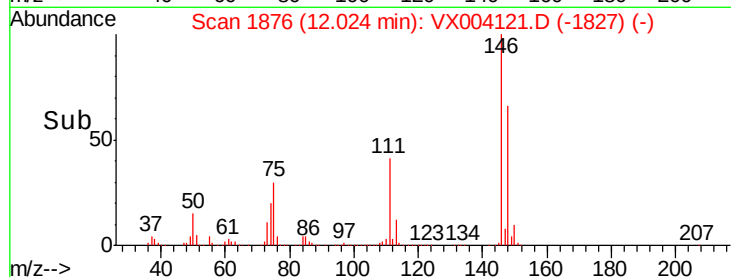
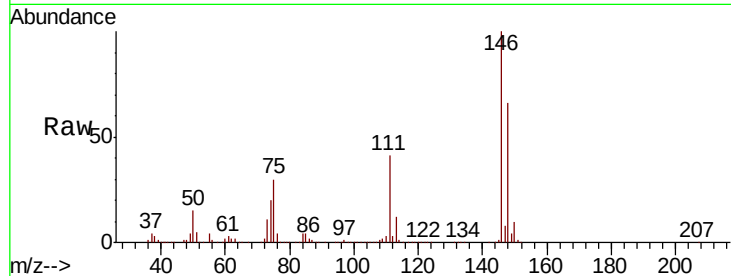
#87
 1,3-Dichlorobenzene
 Concen: 47.00 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	66.6	31.9	95.5

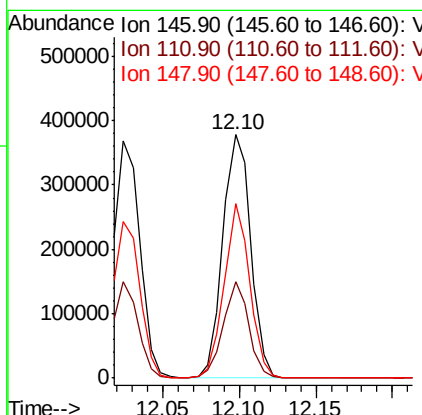
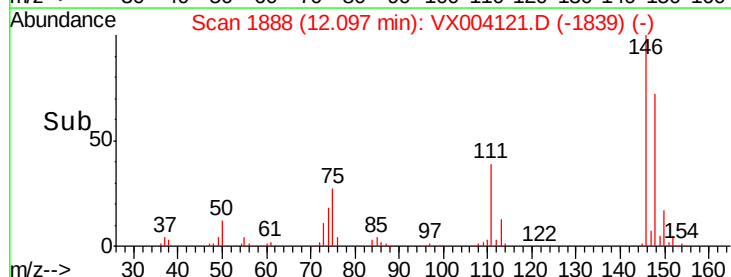
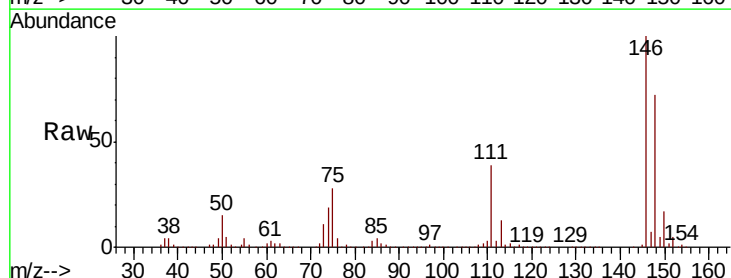
Manual Integrations
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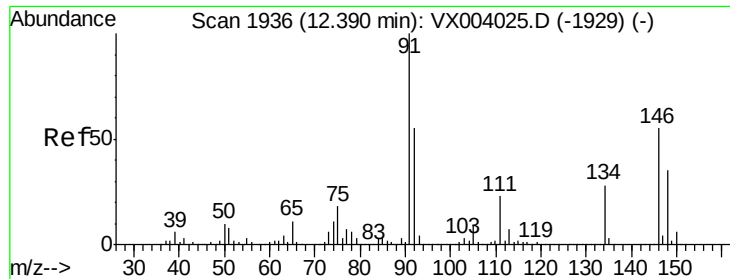
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#88
 1,4-Dichlorobenzene
 Concen: 48.27 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.0
148	65.6	32.3	96.8





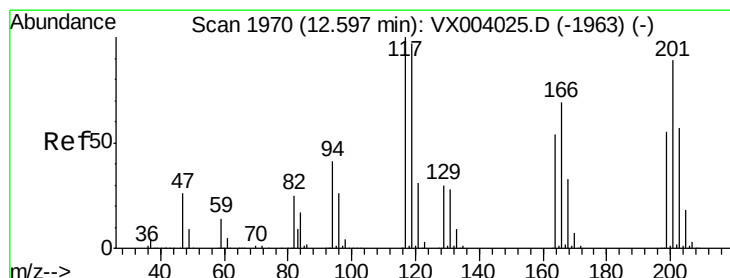
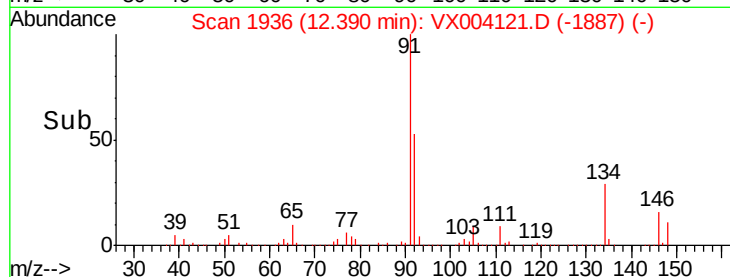
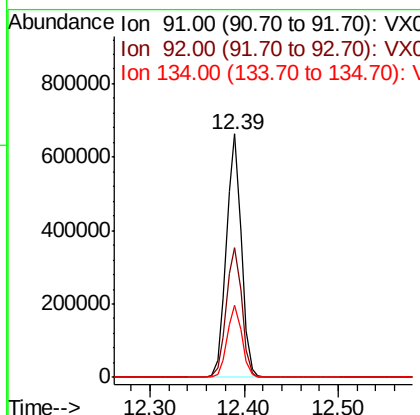
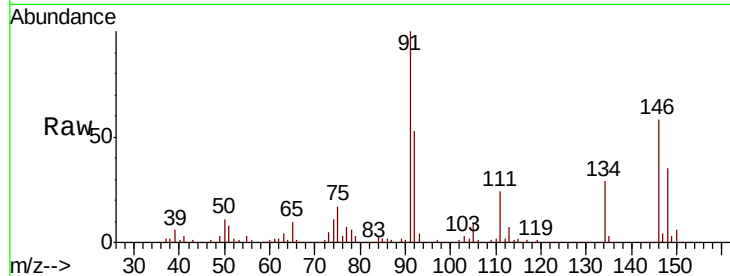
#89
n-Butylbenzene
Concen: 57.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	729935		
92	55.2		27.1	81.3
134	29.1		13.6	40.7

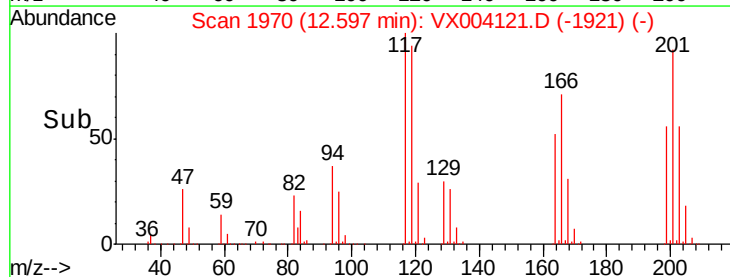
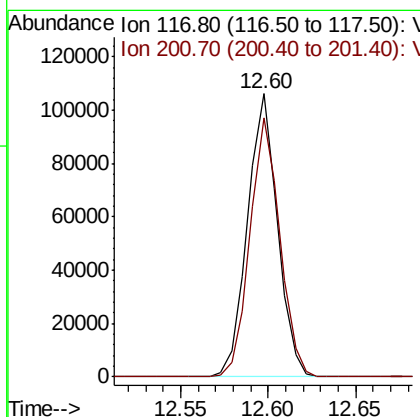
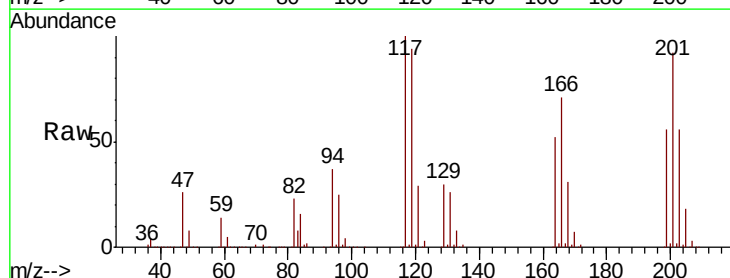
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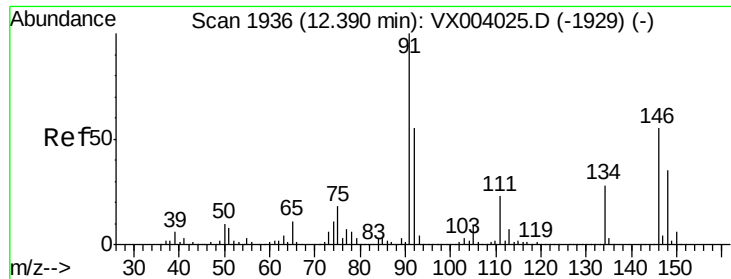
MMDadoda
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#90
Hexachloroethane
Concen: 52.74 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	126282		
201	91.0		46.1	138.2





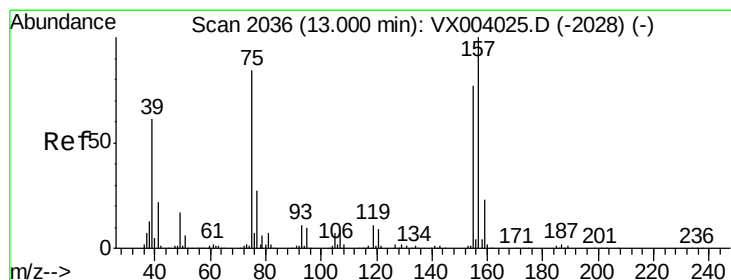
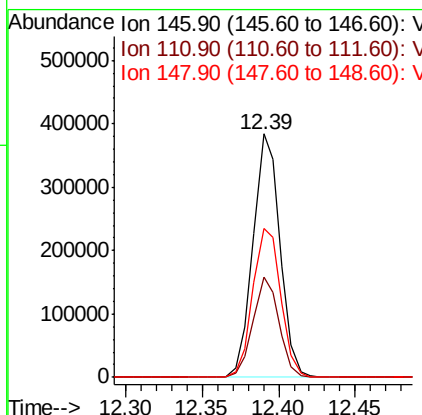
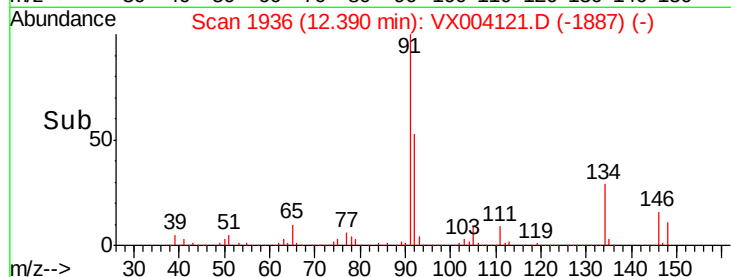
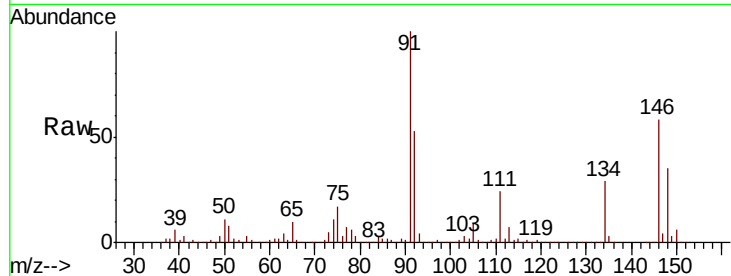
#91
 1,2-Dichlorobenzene
 Concen: 54.31 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	63.6	31.9	95.5

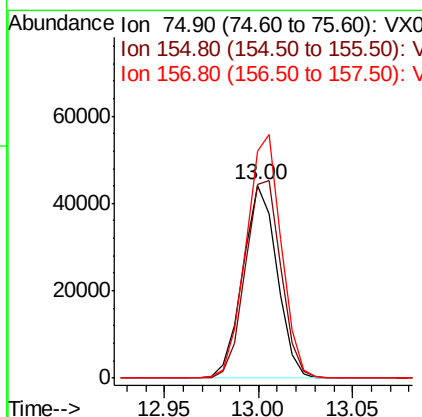
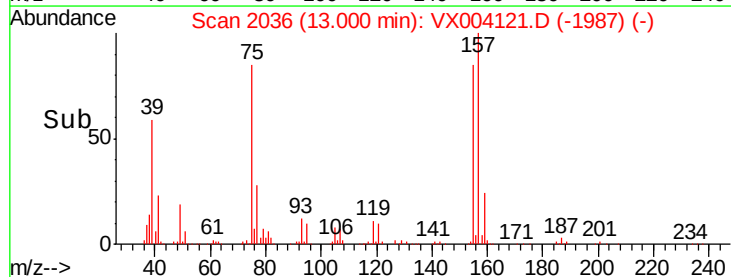
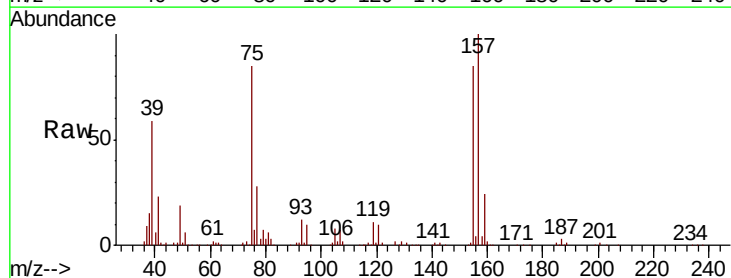
Manual Integrations
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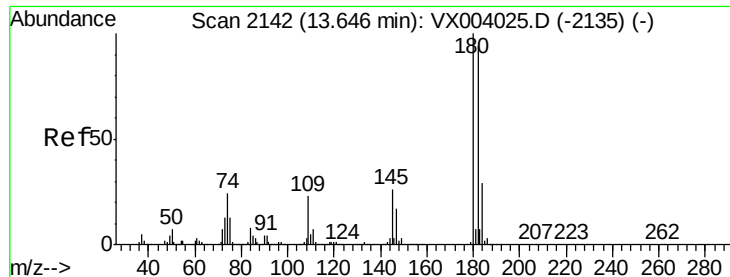
MMDadoda
 8/20/2018 10:04:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.72 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004121.D
 Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.2	48.7	146.1
157	128.7	62.6	187.8





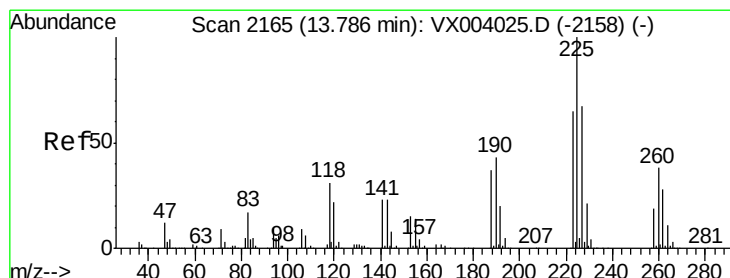
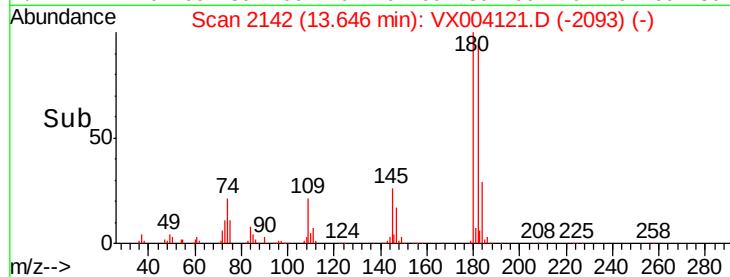
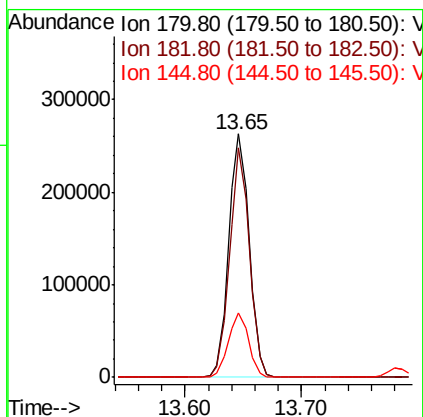
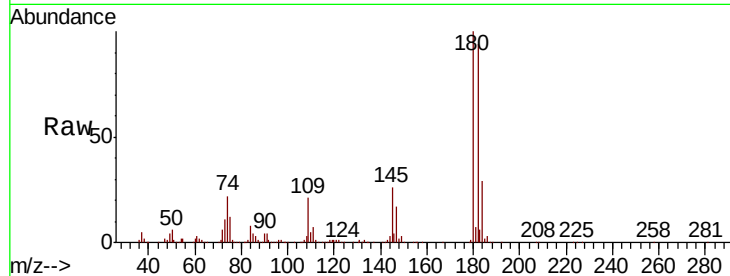
#93
1,2,4-Trichlorobenzene
Concen: 54.00 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.1	47.7	143.1	
145	26.3	13.9	41.6	

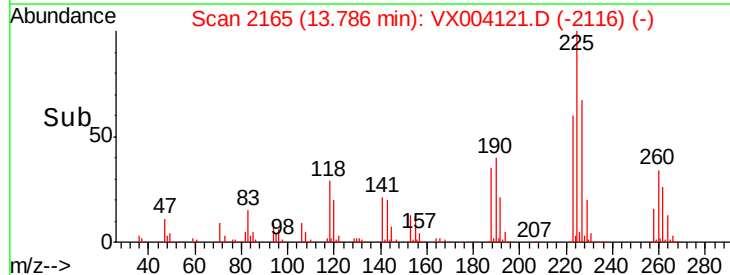
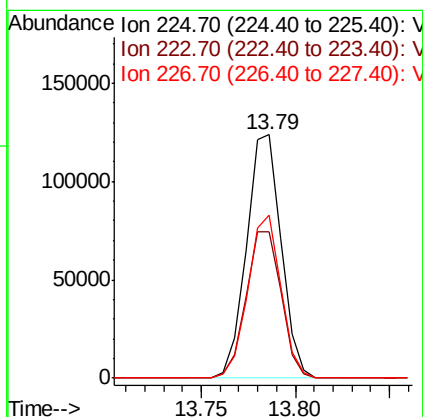
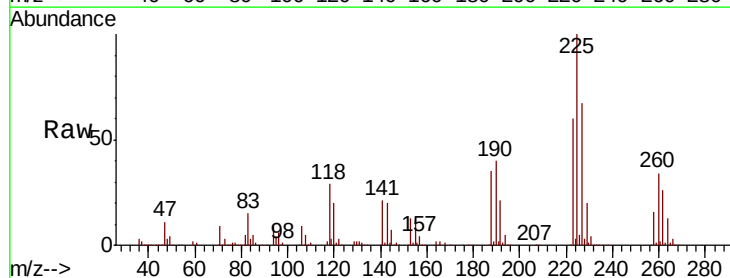
Manual Integrations
APPROVED

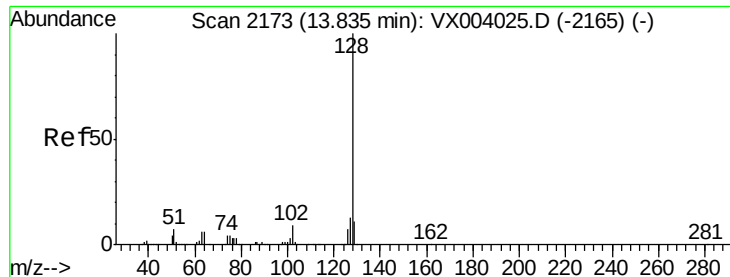
MMDadoda
8/20/2018 10:04:04 AM



#94
Hexachlorobutadiene
Concen: 53.10 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.4	94.0	
227	63.9	32.1	96.5	





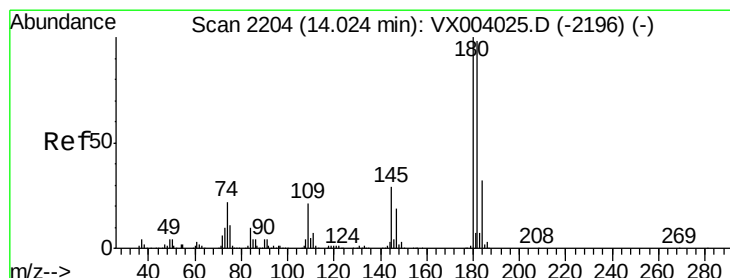
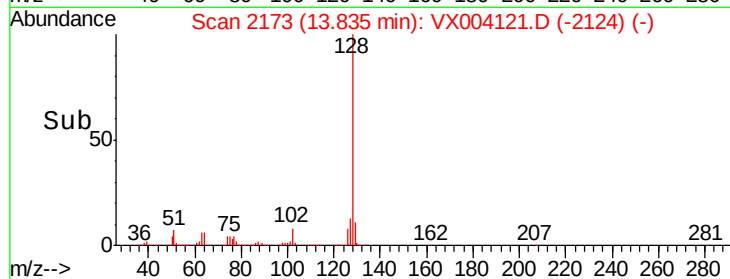
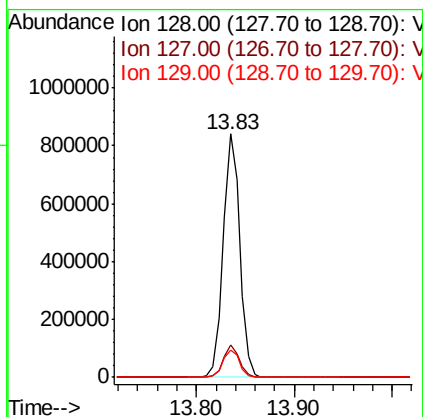
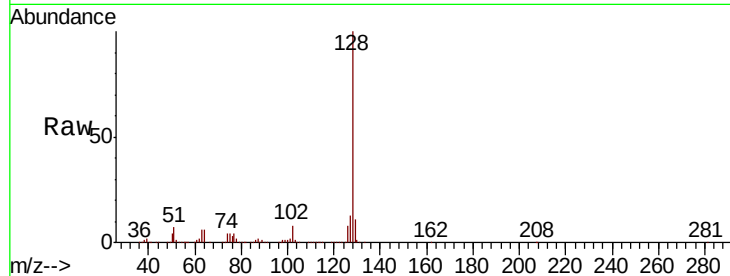
#95
Naphthalene
Concen: 52.15 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:04:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.72 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004121.D
Acq: 17 Aug 2018 08:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.1	144.4
145	29.1	14.9	44.7

