

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004144.D
 Acq On : 20 Aug 2018 10:16
 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
 8/21/2018 11:30:43 AM

Quant Time: Aug 21 01:20:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199164	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.50	113	166081	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	8.71	98	617326	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	224873	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	115787	42.54	ug/l	98
3) Chloromethane	1.32	50	166590	49.87	ug/l	98
4) Vinyl Chloride	1.41	62	153237	42.40	ug/l	99
5) Bromomethane	1.64	94	79264	43.25	ug/l	99
6) Chloroethane	1.72	64	111873	46.95	ug/l	98
7) Trichlorofluoromethane	1.93	101	214259	42.26	ug/l	99
8) Diethyl Ether	2.18	74	105006	47.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134085	42.39	ug/l	99
10) Methyl Iodide	2.51	142	122235	37.57	ug/l	100
11) Tert butyl alcohol	3.04	59	155585	196.11	ug/l	99
12) 1,1-Dichloroethene	2.37	96	126820	43.11	ug/l	99
13) Acrolein	2.29	56	139245	258.31	ug/l	98
14) Allyl chloride	2.73	41	253142	45.23	ug/l	96
15) Acrylonitrile	3.14	53	445122	225.02	ug/l	100
16) Acetone	2.43	43	629793	307.46	ug/l	98
17) Carbon Disulfide	2.57	76	337814	40.49	ug/l	99
18) Methyl Acetate	2.77	43	222498	48.88	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	490745	47.35	ug/l	100
20) Methylene Chloride	2.85	84	164971	49.27	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	147040	44.01	ug/l	99
22) Diisopropyl ether	3.86	45	546142	49.79	ug/l	95
23) Vinyl Acetate	3.82	43	2326857	258.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	283921	45.70	ug/l	99
25) 2-Butanone	4.69	43	816860	245.09	ug/l	100
26) 2,2-Dichloropropane	4.58	77	228652	46.30	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	173056	46.07	ug/l	98
28) Bromochloromethane	5.01	49	140622	49.34	ug/l	96
29) Tetrahydrofuran	5.15	42	363987	213.76	ug/l	98
30) Chloroform	5.21	83	282191	46.54	ug/l	98
31) Cyclohexane	5.57	56	216507	39.75	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	235091	46.40	ug/l	99
36) 1,1-Dichloropropene	5.80	75	206813	44.75	ug/l	99
37) Ethyl Acetate	4.85	43	227651	45.24	ug/l	100
38) Carbon Tetrachloride	5.78	117	202581	45.12	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217344	41.46	ug/l	99
40) Benzene	6.14	78	659223	47.51	ug/l	99
41) Methacrylonitrile	5.06	41	128278	45.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	235101	48.40	ug/l	100
43) Isopropyl Acetate	6.46	43	344661	46.46	ug/l	99
44) Trichloroethene	7.21	130	170297	45.20	ug/l	92
45) 1,2-Dichloropropane	7.52	63	173187	48.75	ug/l	100
46) Dibromomethane	7.66	93	114395	49.28	ug/l	99
47) Bromodichloromethane	7.90	83	220069	50.05	ug/l	99
48) Methyl methacrylate	7.77	41	185932	49.79	ug/l	98
49) 1,4-Dioxane	7.76	88	66979	796.69	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1492085	245.31	ug/l	99
52) Toluene	8.79	92	426036	48.54	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	246814	51.96	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	273241	51.94	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	178193	49.17	ug/l	100
56) Ethyl methacrylate	9.18	69	248783	50.48	ug/l	97
57) 1,3-Dichloropropane	9.37	76	300078	49.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	780899	311.17	ug/l	100
59) 2-Hexanone	9.50	43	1196684	261.42	ug/l	99
60) Dibromochloromethane	9.59	129	178219	51.10	ug/l	100
61) 1,2-Dibromoethane	9.67	107	183683	49.72	ug/l	100
64) Tetrachloroethene	9.34	164	156431	40.90	ug/l	95
65) Chlorobenzene	10.14	112	477511	45.81	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	172072	48.40	ug/l	99
67) Ethyl Benzene	10.25	91	768032	46.53	ug/l	99
68) m/p-Xylenes	10.36	106	610950	94.51	ug/l	97
69) o-Xylene	10.70	106	292204	47.30	ug/l	98
70) Styrene	10.71	104	492251	47.35	ug/l	99
71) Bromoform	10.86	173	130448	46.27	ug/l #	99
73) Isopropylbenzene	11.02	105	747314	43.73	ug/l	98
74) N-amyl acetate	6.46	43	344661	42.88	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	255016	42.74	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	237548m	46.91	ug/l	
77) Bromobenzene	11.26	156	202227	42.93	ug/l	97
78) n-propylbenzene	11.36	91	845739	44.23	ug/l	98
79) 2-Chlorotoluene	11.42	91	527337	45.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	629137	44.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	77672	47.48	ug/l	96
82) 4-Chlorotoluene	11.51	91	609241	44.23	ug/l	99
83) tert-Butylbenzene	11.77	119	650454	46.11	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	672813	46.43	ug/l	98
85) sec-Butylbenzene	11.95	105	742000	44.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	692672	46.34	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	403389	44.90	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	413969	44.77	ug/l	98
89) n-Butylbenzene	12.39	91	570070	48.40	ug/l	98
90) Hexachloroethane	12.60	117	106932	47.81	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	412661	50.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47636	45.42	ug/l	97

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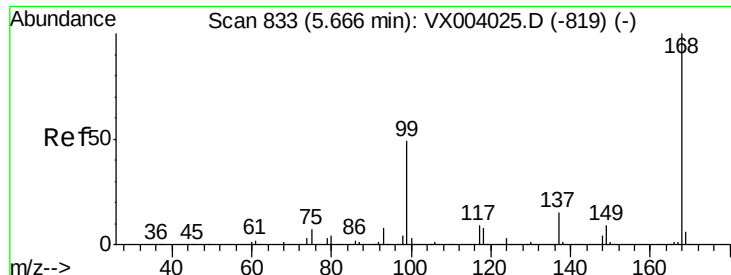
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	243894	44.04	ug/l	100
94) Hexachlorobutadiene	13.79	225	100108	36.06	ug/l	100
95) Naphthalene	13.83	128	786143	44.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	271219	44.91	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 279626

Ion Ratio Lower Upper

168 100

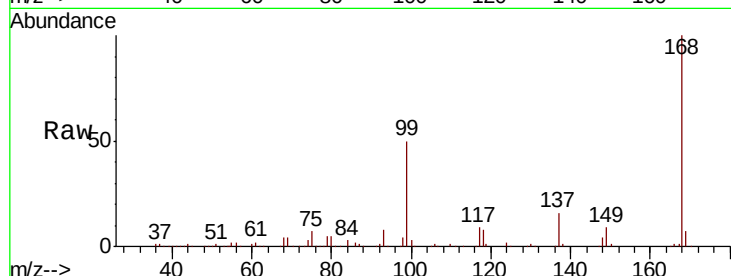
99 50.3 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

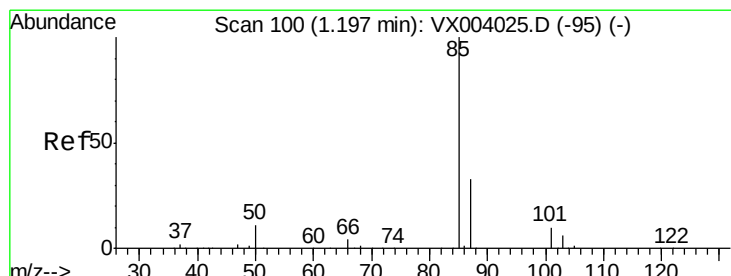
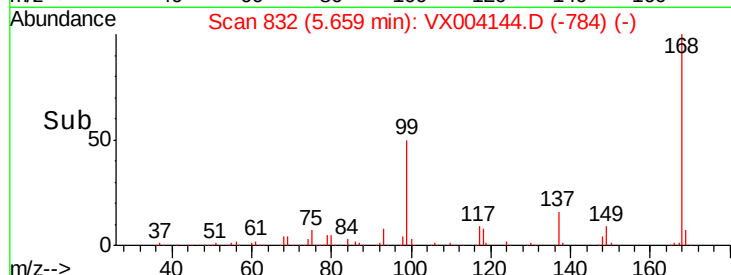
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004144.D

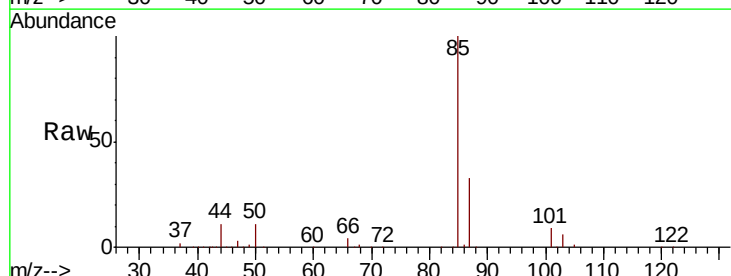
Acq: 20 Aug 2018 10:16

Tgt Ion: 85 Resp: 115787

Ion Ratio Lower Upper

85 100

87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

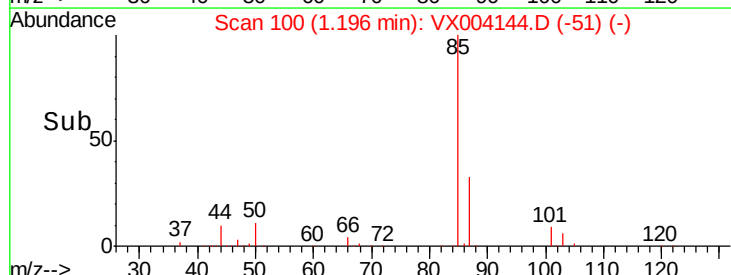
1.20

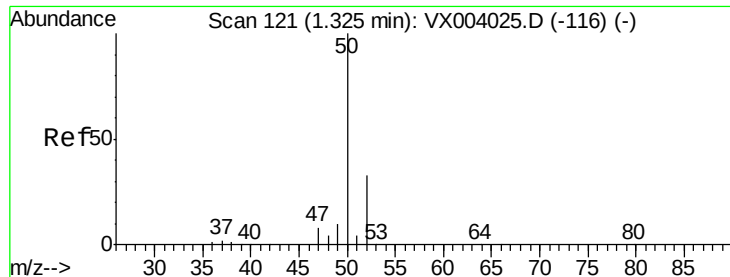
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.87 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 166590

Ion Ratio Lower Upper

50 100

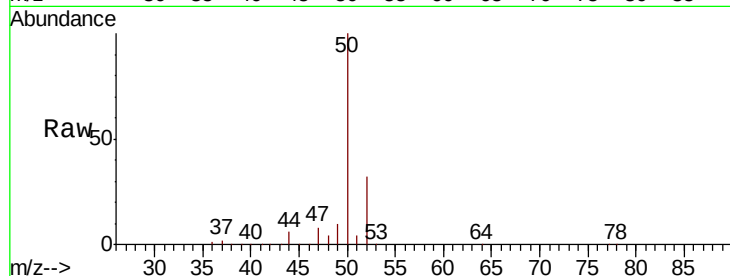
52 32.1 26.6 39.8

Manual Integrations

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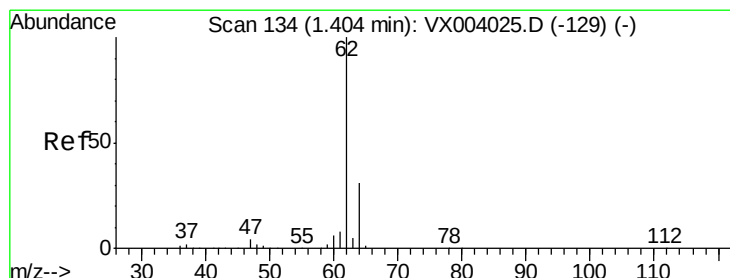
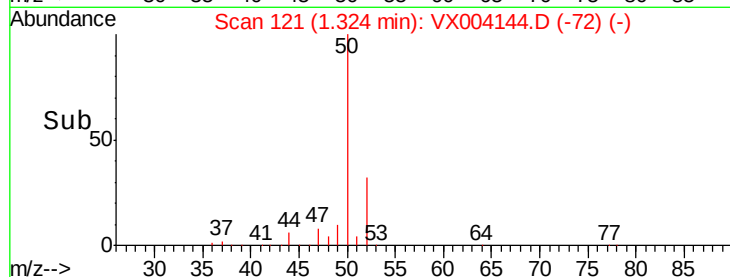
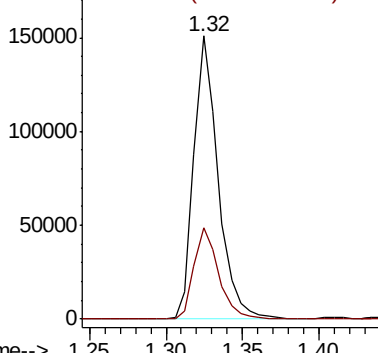
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.40 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX004144.D

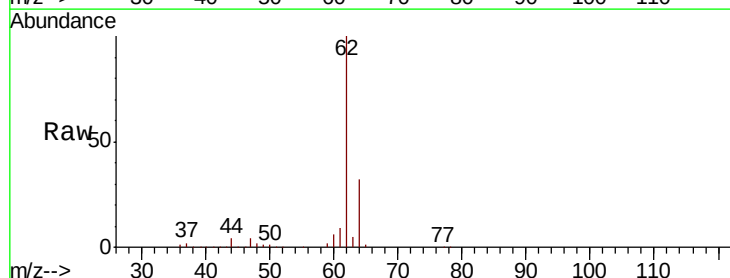
Acq: 20 Aug 2018 10:16

Tgt Ion: 62 Resp: 153237

Ion Ratio Lower Upper

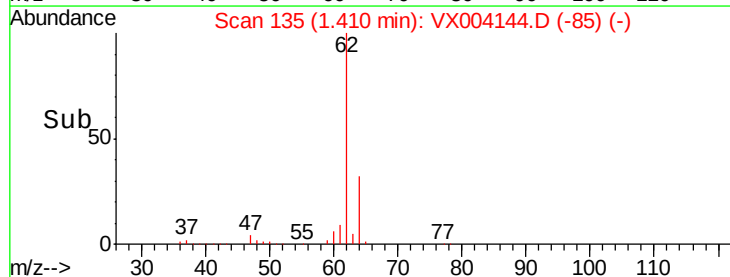
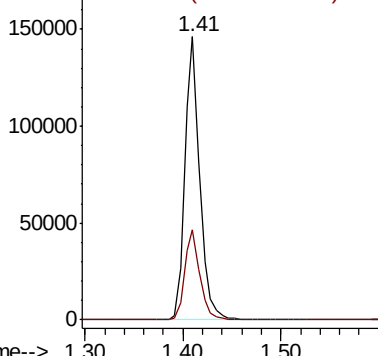
62 100

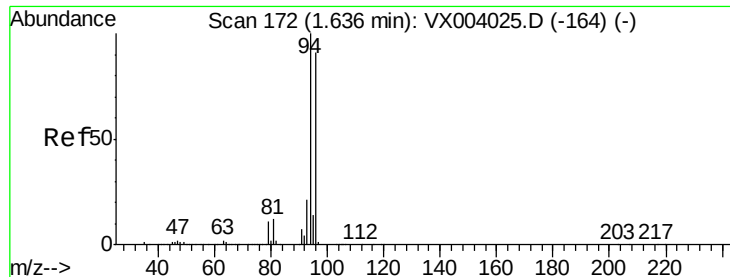
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.25 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79264

Ion Ratio Lower Upper

94 100

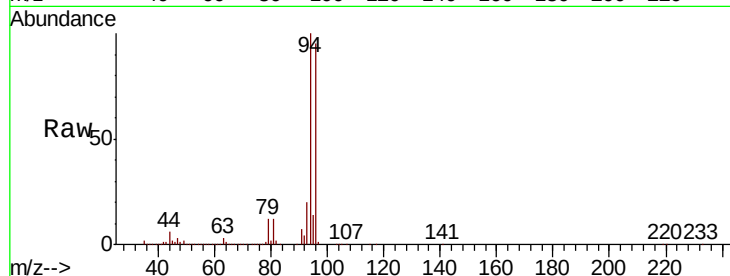
96 95.3 75.2 112.8

Manual Integrations

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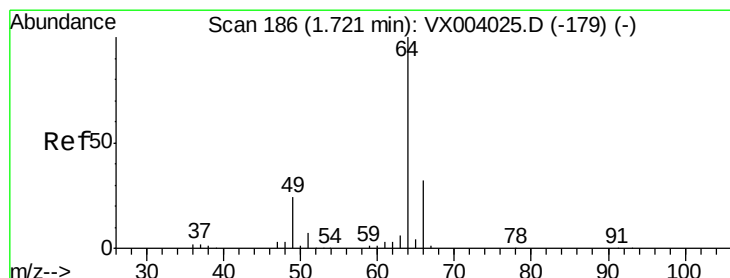
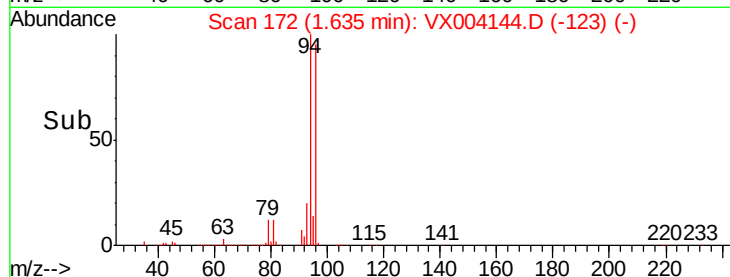
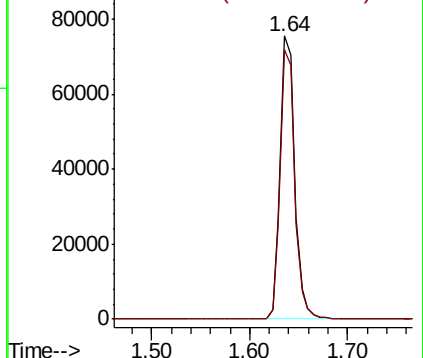
MMDadoda

8/21/2018 11:30:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.95 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX004144.D

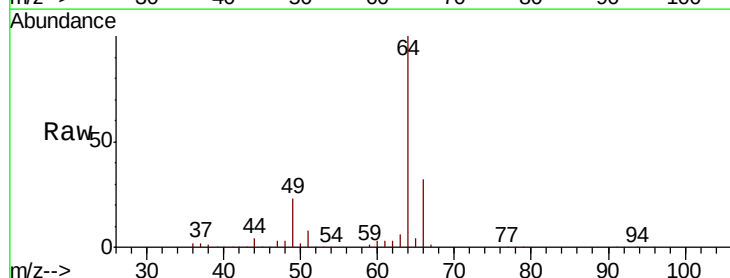
Acq: 20 Aug 2018 10:16

Tgt Ion: 64 Resp: 111873

Ion Ratio Lower Upper

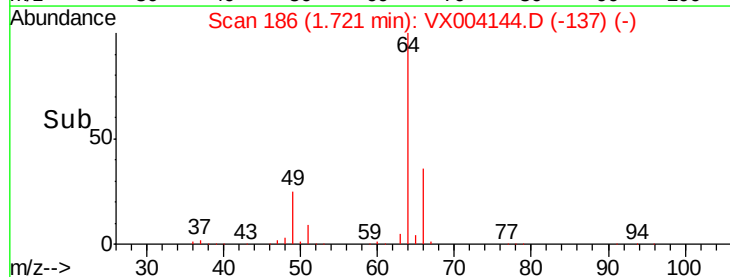
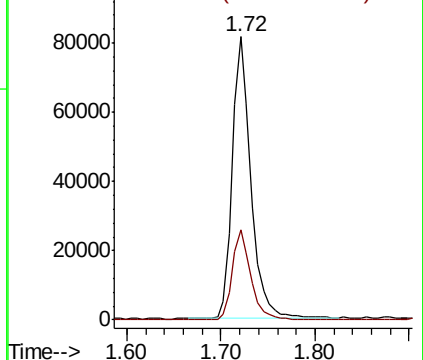
64 100

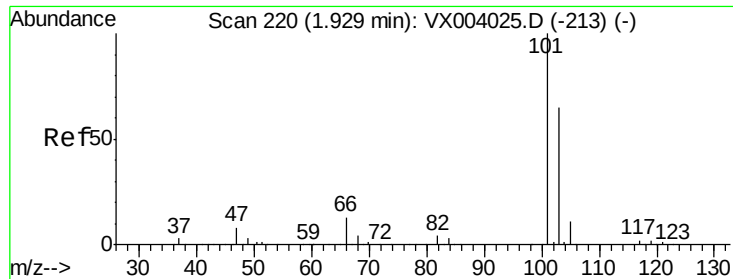
66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 42.26 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 214259

Ion Ratio Lower Upper

101 100

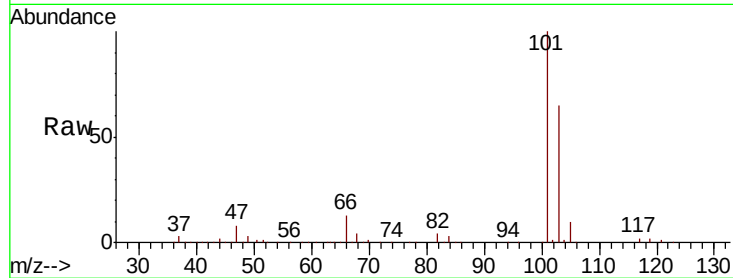
103 64.9 52.3 78.5

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8/21/2018 11:30:43 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

150000

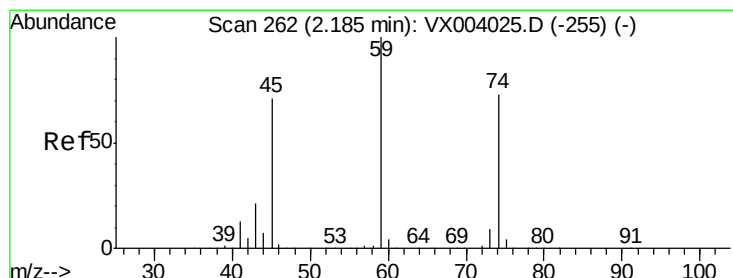
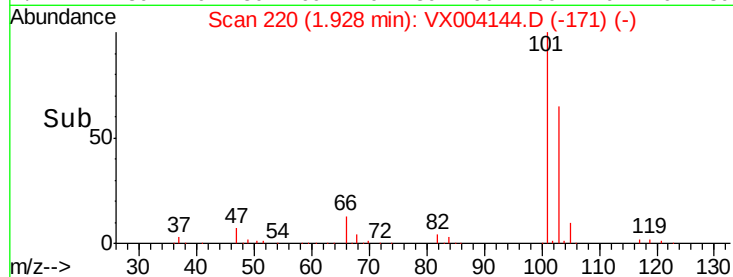
100000

50000

0

1.90 2.00

Time-->



#8

Diethyl Ether

Concen: 47.44 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004144.D

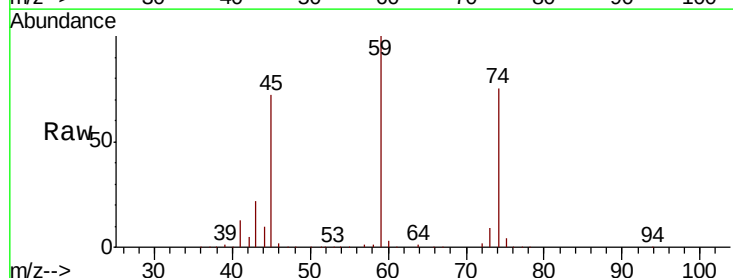
Acq: 20 Aug 2018 10:16

Tgt Ion: 74 Resp: 105006

Ion Ratio Lower Upper

74 100

45 94.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

80000

60000

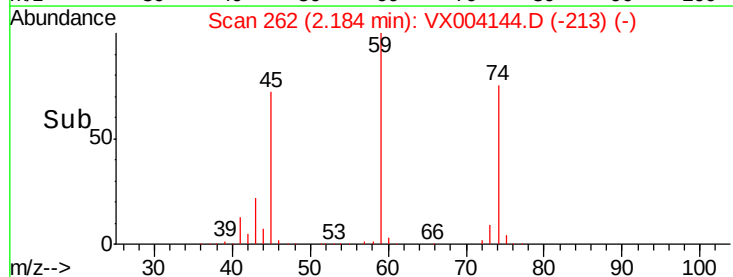
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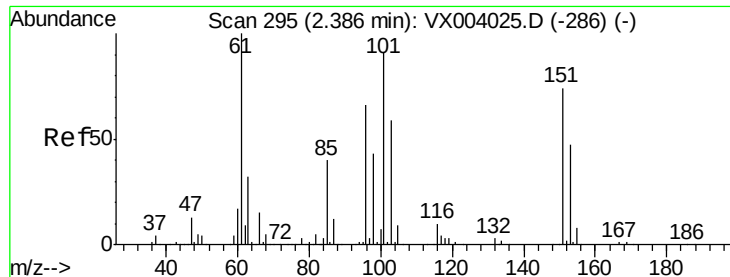
20000

0

2.10 2.20 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.39 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

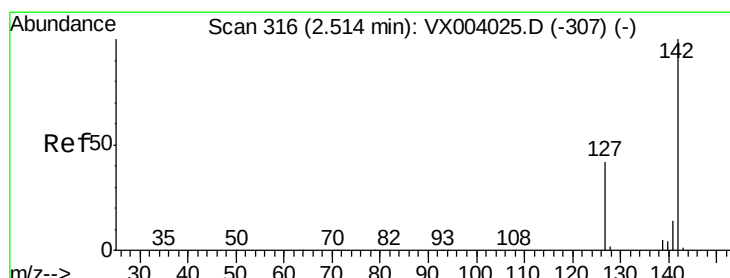
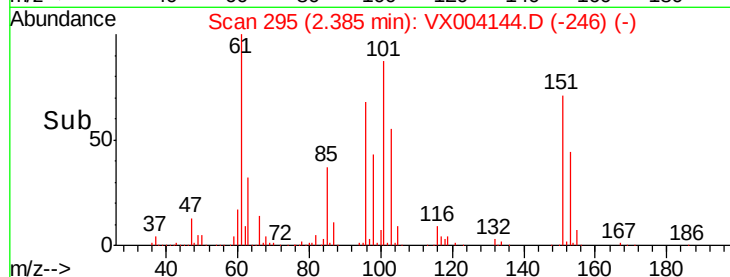
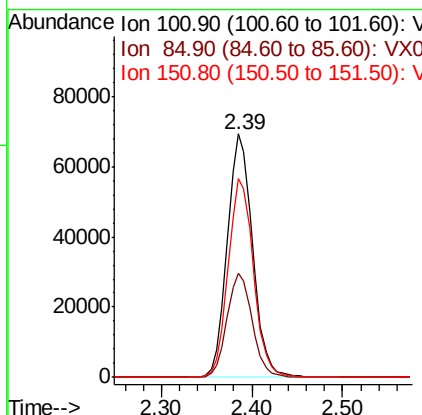
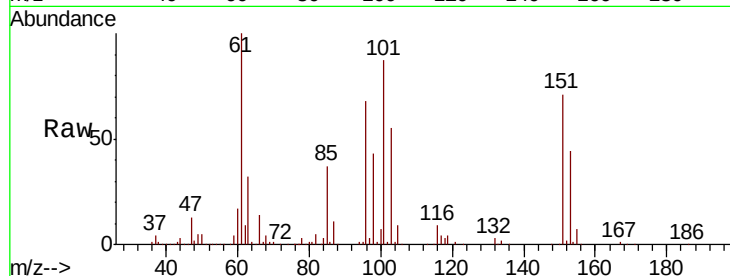
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	134085
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	81.9	65.0	97.4

Manual Integrations
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8/21/2018 11:30:43 AM



#10

Methyl Iodide

Concen: 37.57 ug/l

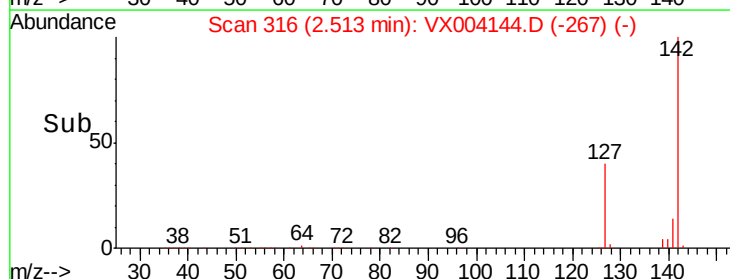
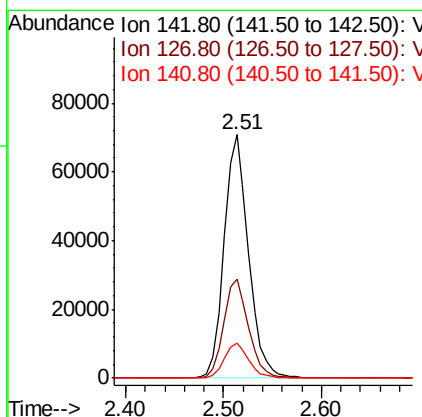
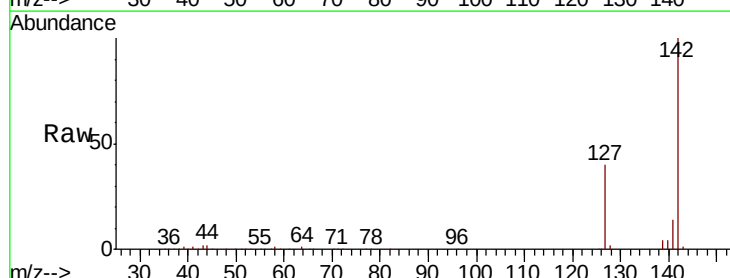
RT: 2.51 min Scan# 316

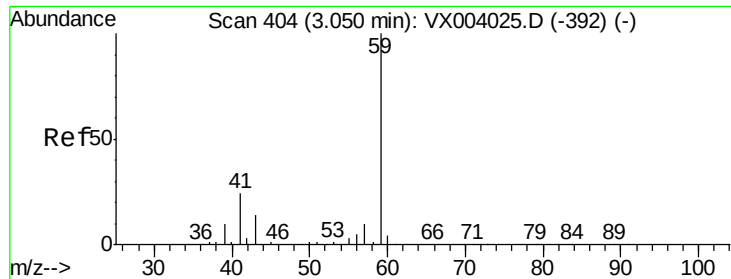
Delta R.T. 0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	142	Resp:	122235
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.1	49.7
141	14.4	11.1	16.7





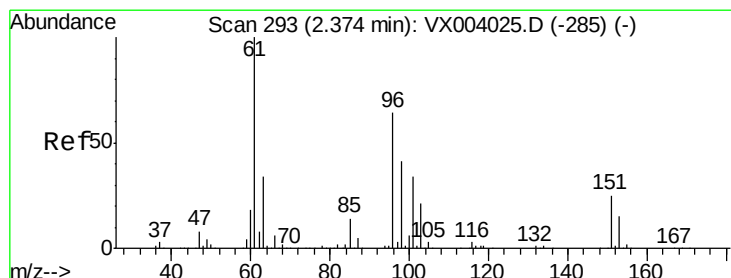
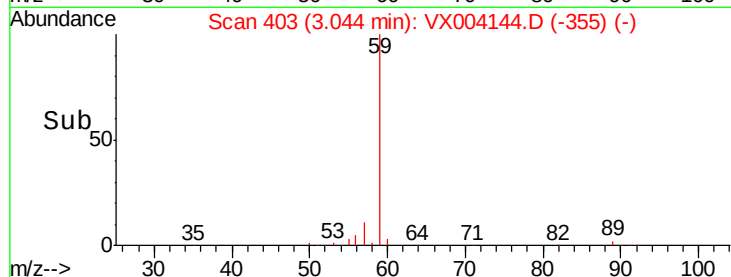
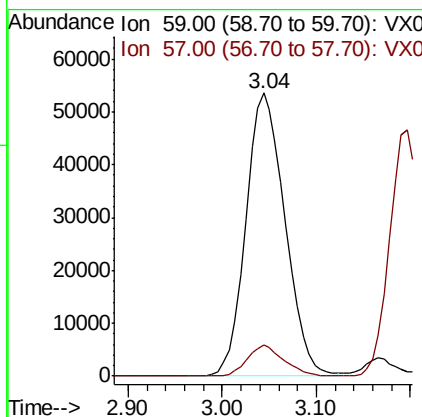
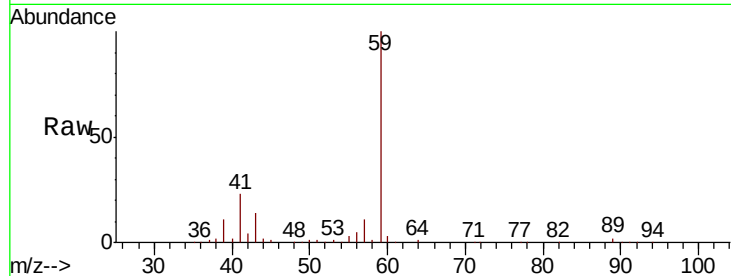
#11
Tert butyl alcohol
Concen: 196.11 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	155585		
57	10.3		8.1	12.1

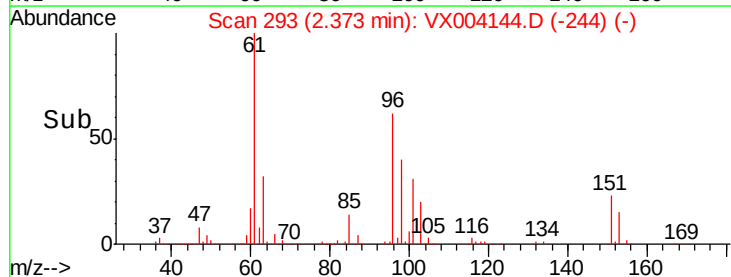
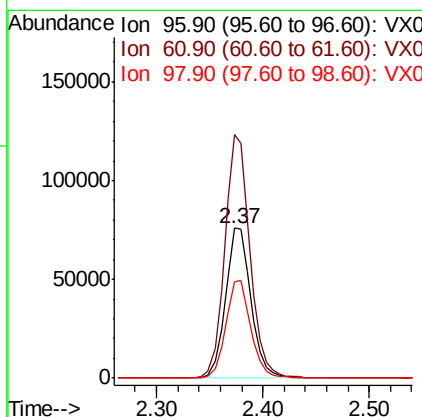
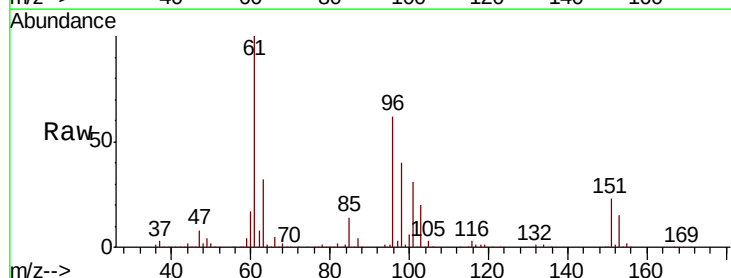
Manual Integrations
APPROVED

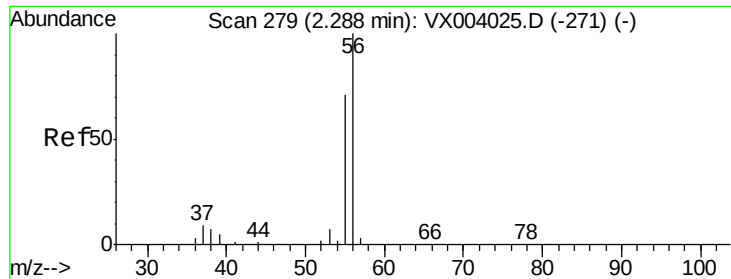
MMDadoda
8/21/2018 11:30:43 AM



#12
1,1-Dichloroethene
Concen: 43.11 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	126820		
61	162.4		131.3	196.9
98	64.7		51.8	77.6





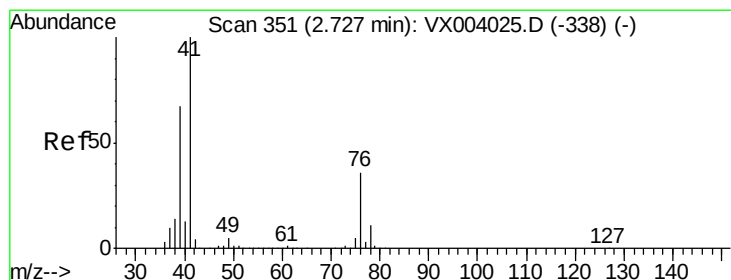
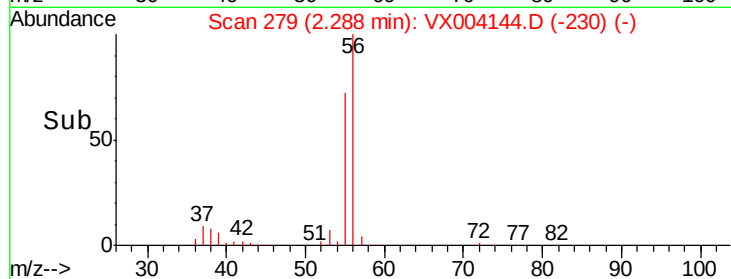
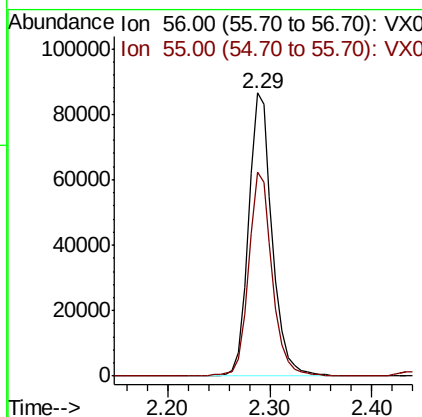
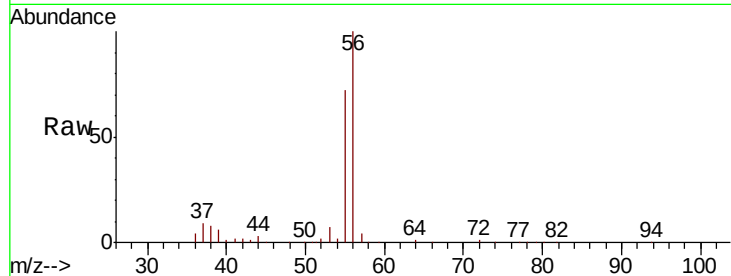
#13
Acrolein
Concen: 258.31 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.1	84.1

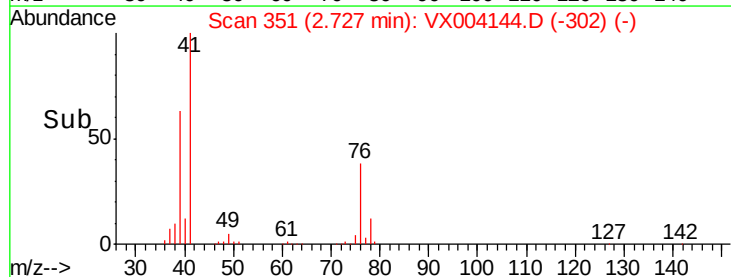
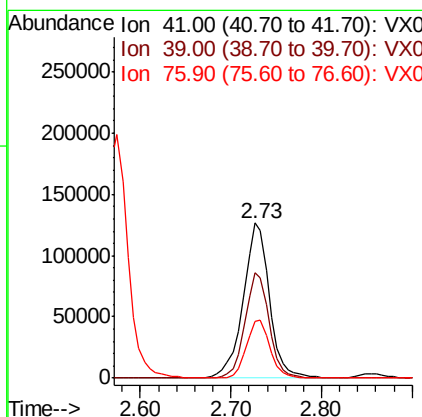
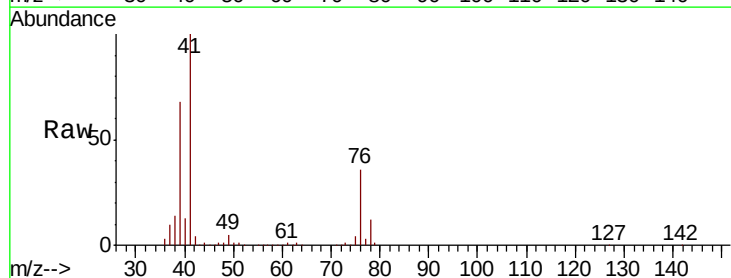
Manual Integrations
APPROVED

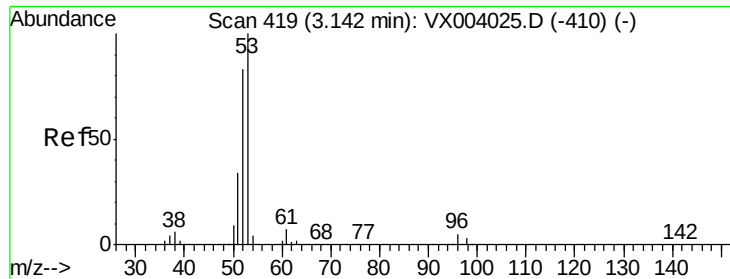
MMDadoda
8/21/2018 11:30:43 AM



#14
Allyl chloride
Concen: 45.23 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	47.4	71.0
76	33.7	26.0	39.0





#15

Acrylonitrile

Concen: 225.02 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

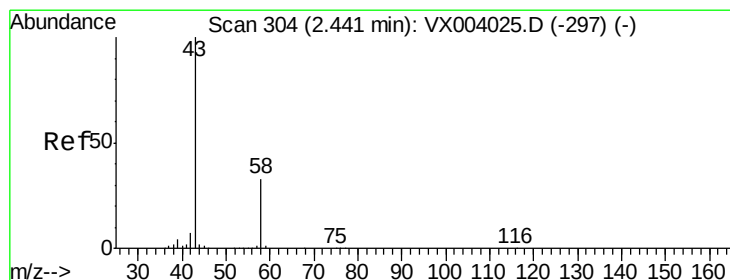
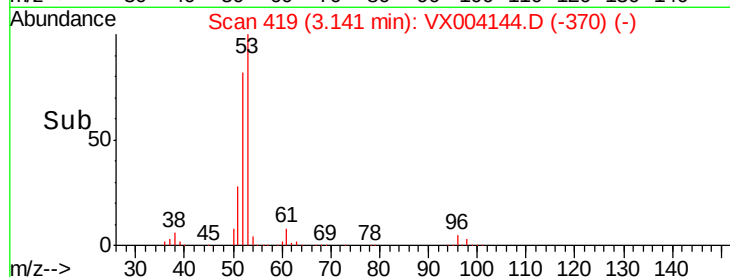
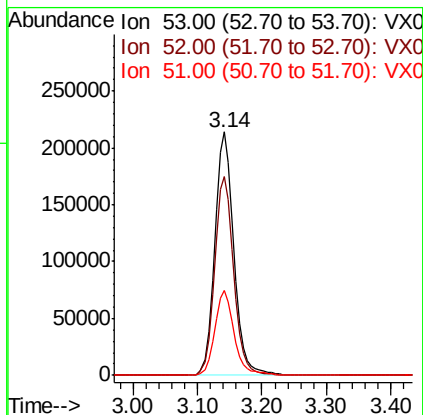
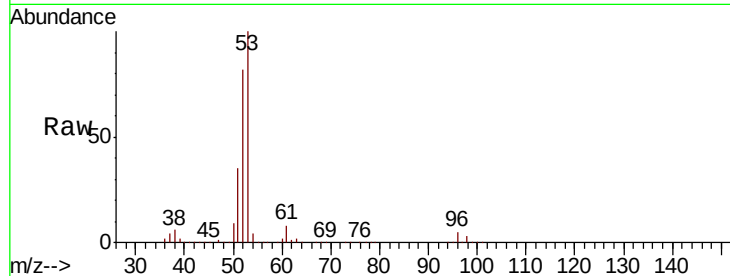
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	445122
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 307.46 ug/l

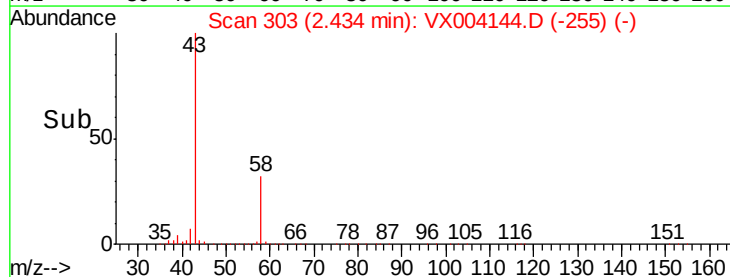
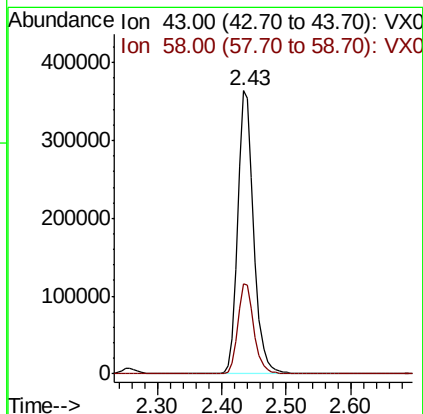
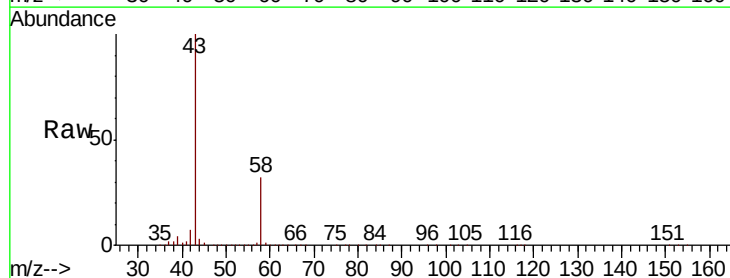
RT: 2.43 min Scan# 303

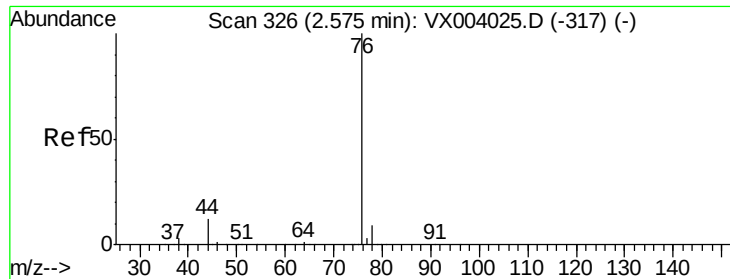
Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	43	Resp:	629793
Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.4	39.6





#17

Carbon Disulfide

Concen: 40.49 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 337814

Ion Ratio Lower Upper

76 100

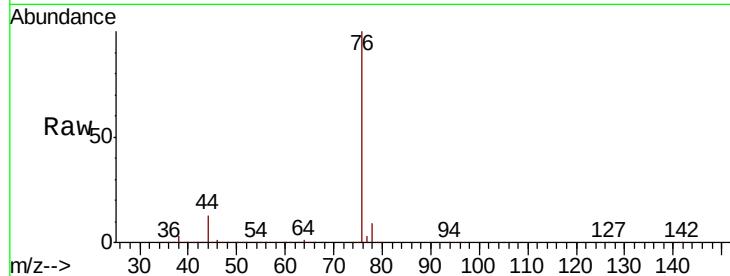
78 9.1 7.5 11.3

Manual Integrations

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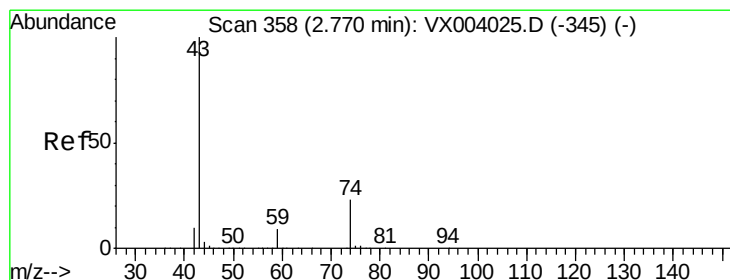
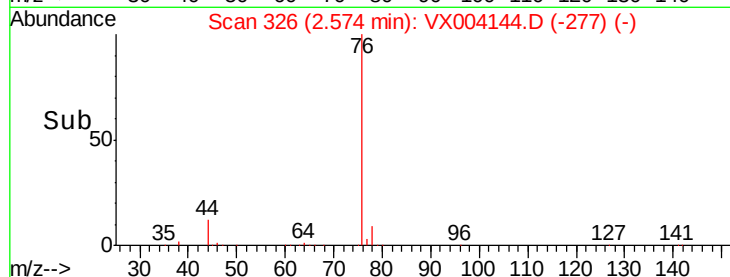
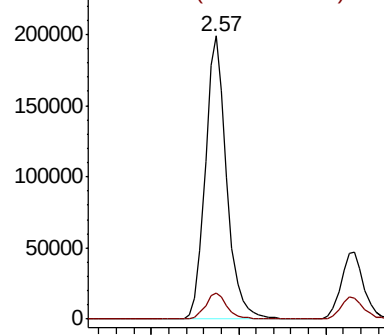
MMDadoda

8/21/2018 11:30:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.88 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004144.D

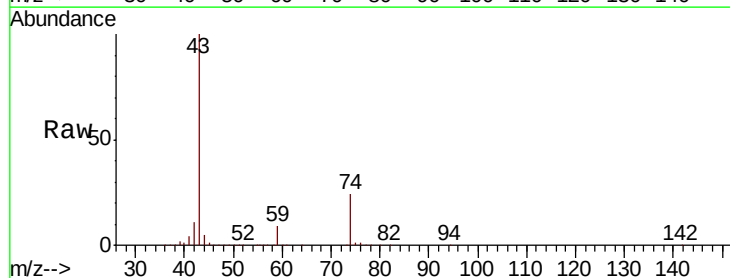
Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 222498

Ion Ratio Lower Upper

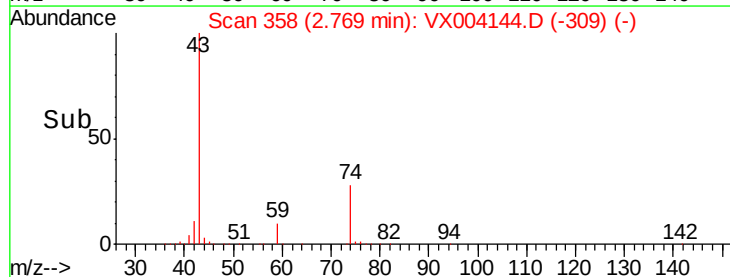
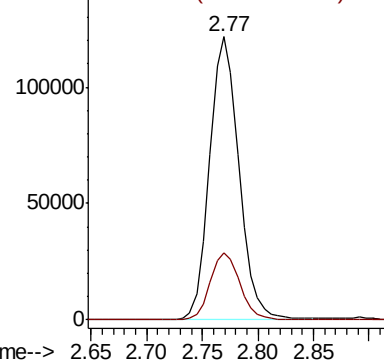
43 100

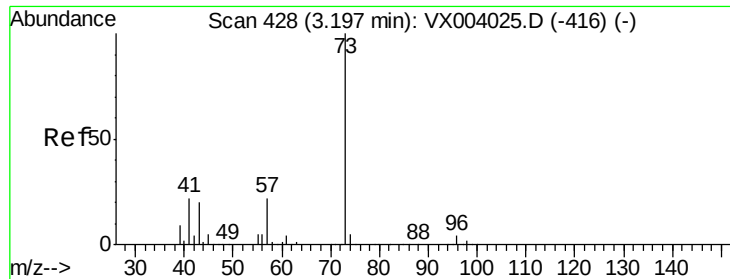
74 24.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





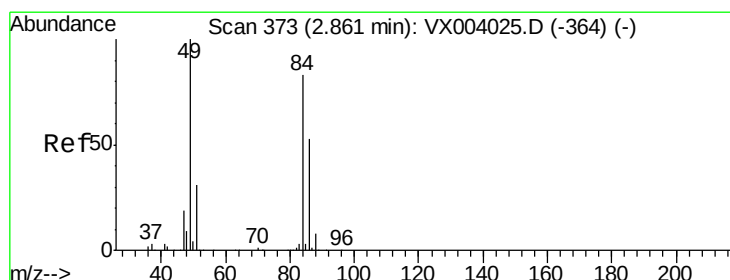
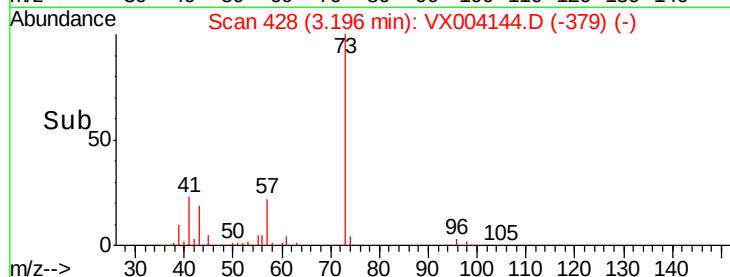
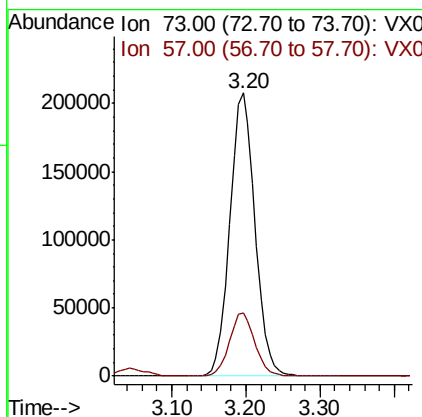
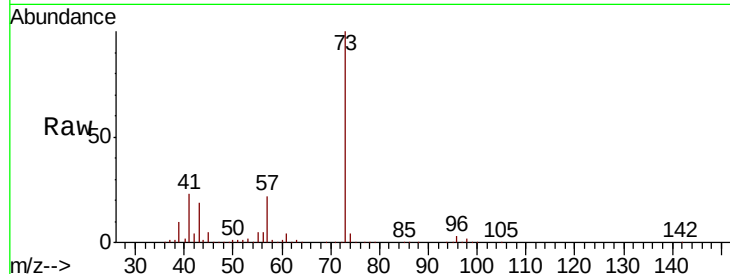
#19
Methyl tert-butyl Ether
Concen: 47.35 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 490745
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0

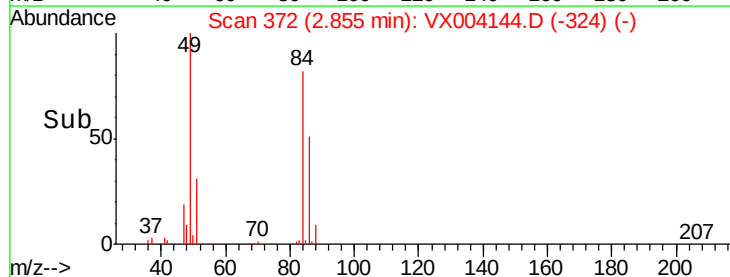
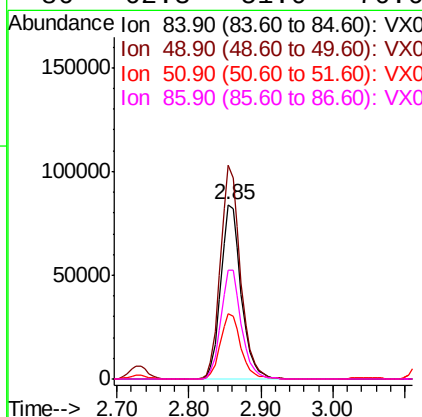
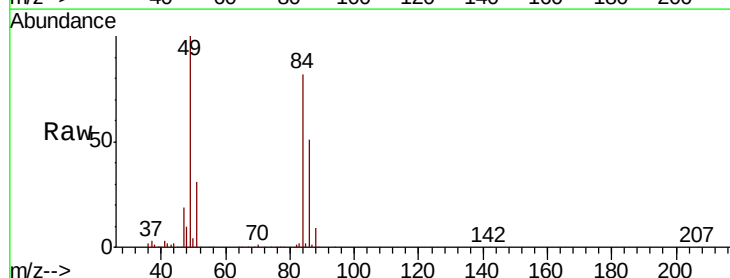
Manual Integrations
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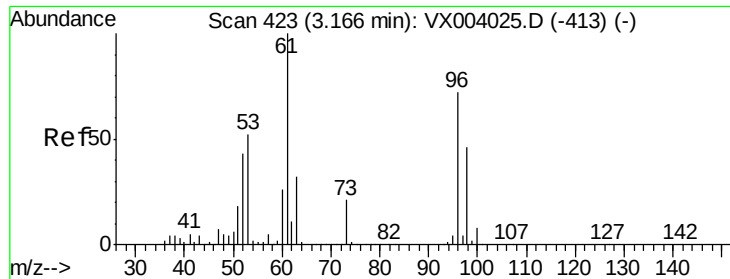
MMDadoda
8/21/2018 11:30:43 AM



#20
Methylene Chloride
Concen: 49.27 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 84 Resp: 164971
Ion Ratio Lower Upper
84 100
49 122.3 98.9 148.3
51 37.3 29.9 44.9
86 62.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.01 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 147040

Ion Ratio Lower Upper

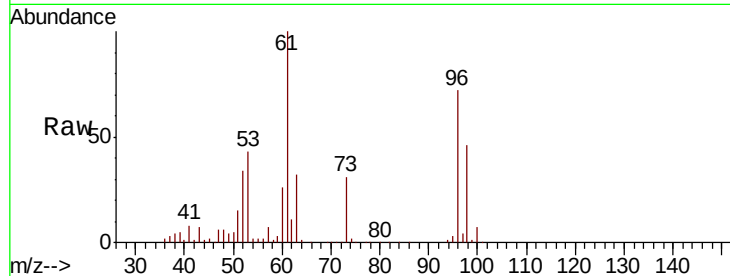
96 100

61 138.4 111.8 167.6

98 63.7 51.8 77.6

Manual Integrations
APPROVED

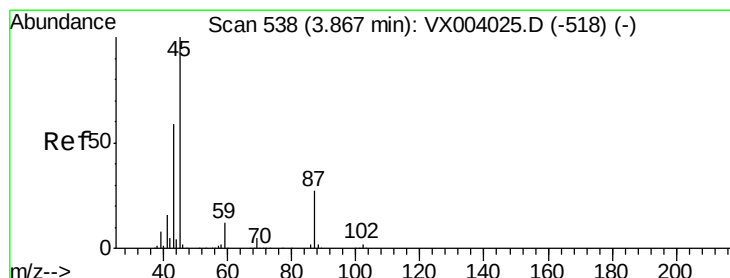
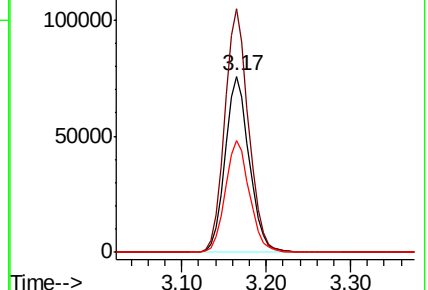
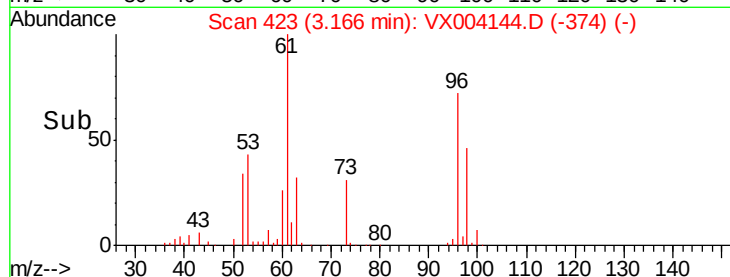
MMDadoda
8/21/2018 11:30:43 AM



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: 49.79 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion: 45 Resp: 546142

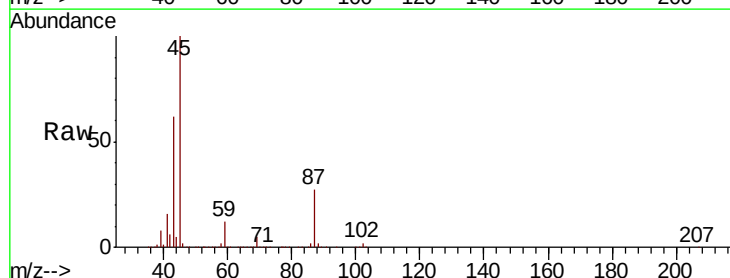
Ion Ratio Lower Upper

45 100

43 62.0 45.3 67.9

87 27.3 22.7 34.1

59 11.8 9.6 14.4

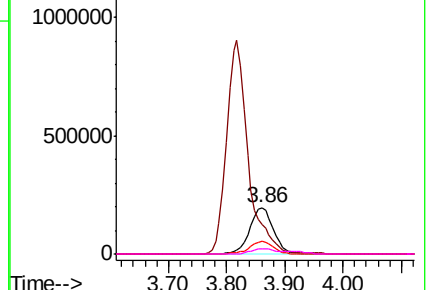
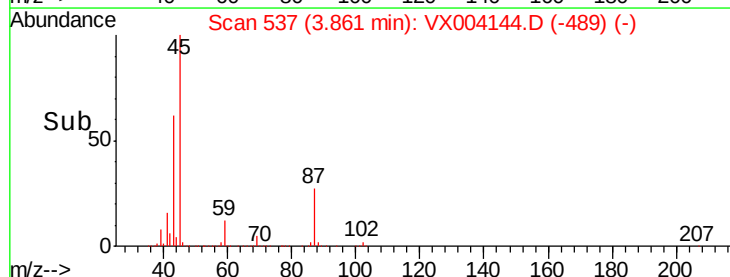


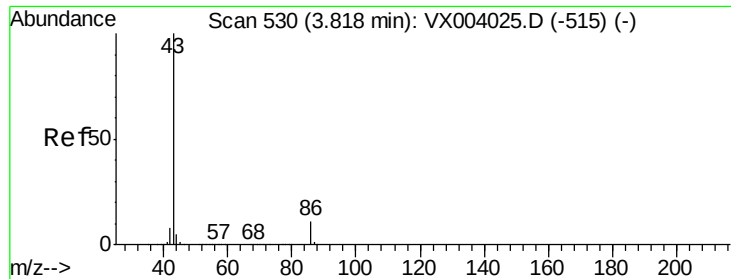
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 258.30 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2326857

Ion Ratio Lower Upper

43 100

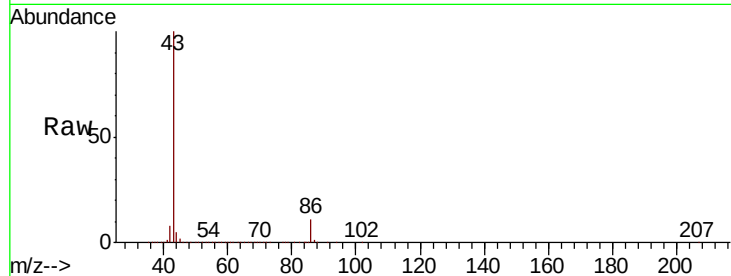
86 10.8 8.9 13.3

Manual Integrations

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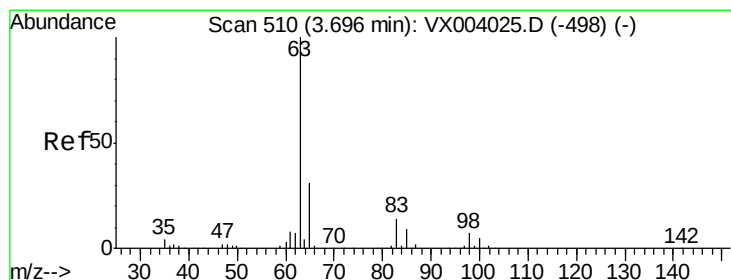
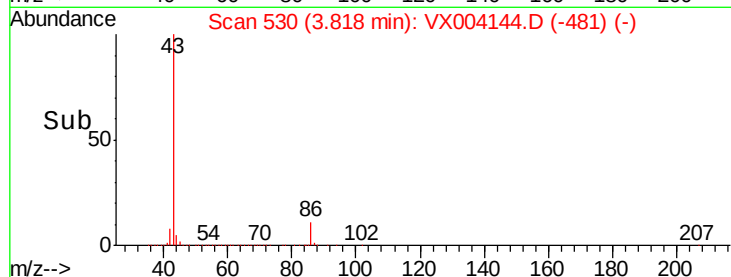
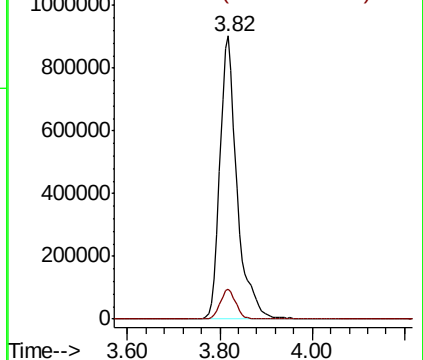
MMDadoda

8/21/2018 11:30:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.70 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

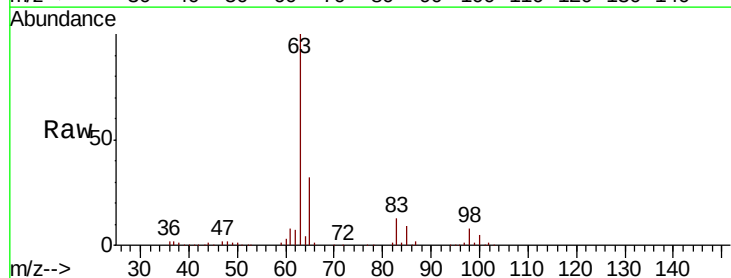
Tgt Ion: 63 Resp: 283921

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

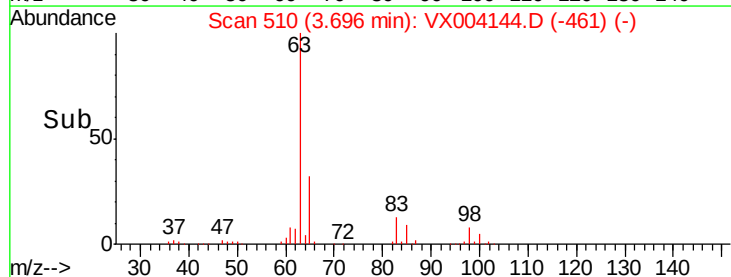
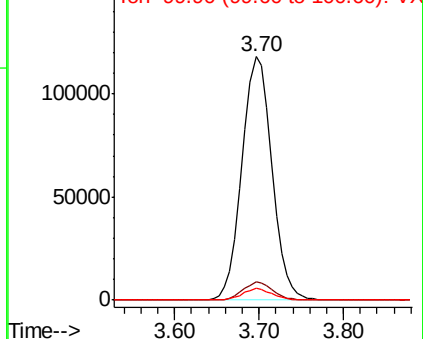
100 4.7 2.3 6.8

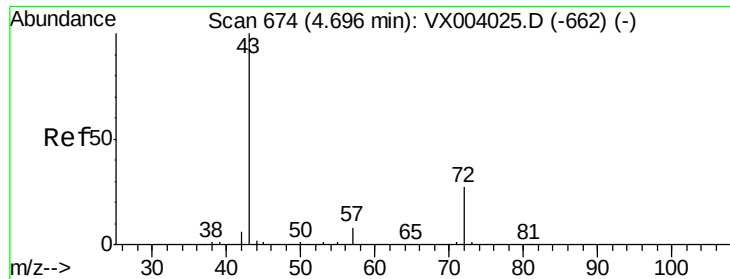


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 245.09 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 816860

Ion Ratio Lower Upper

43 100

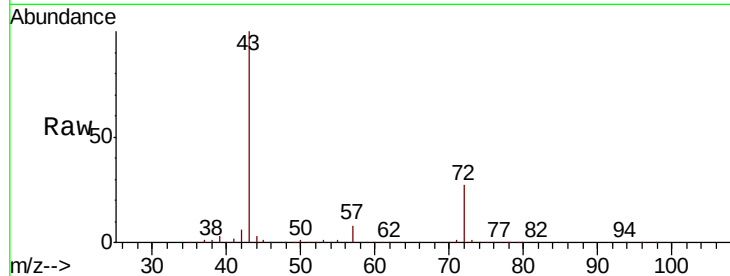
72 26.7 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/21/2018 11:30:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

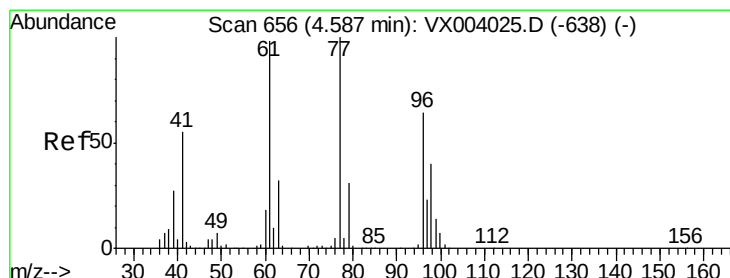
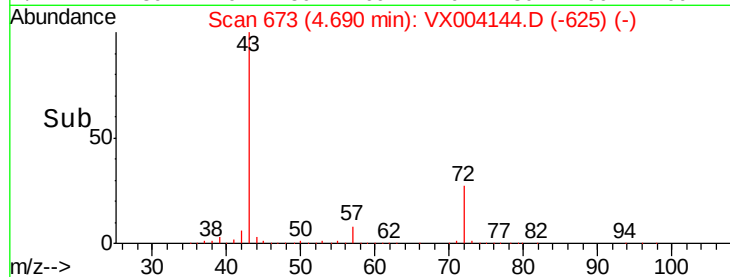
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.30 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004144.D

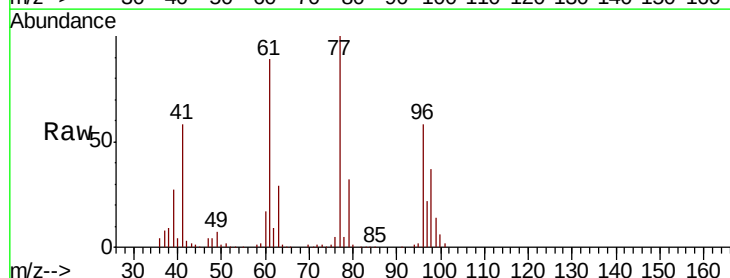
Acq: 20 Aug 2018 10:16

Tgt Ion: 77 Resp: 228652

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

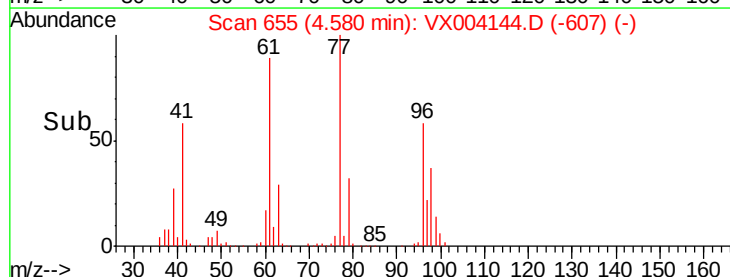
40000

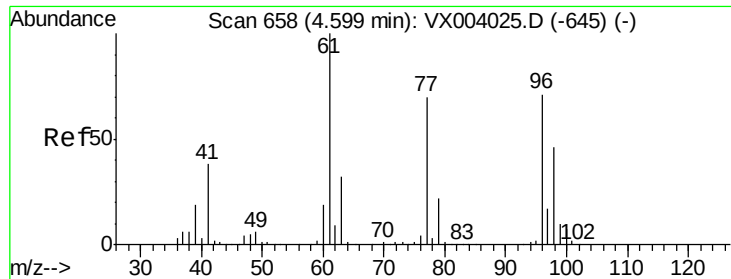
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

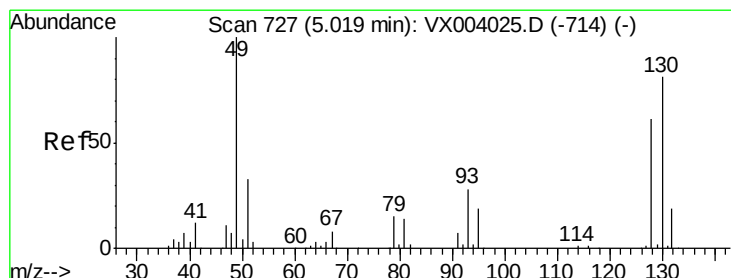
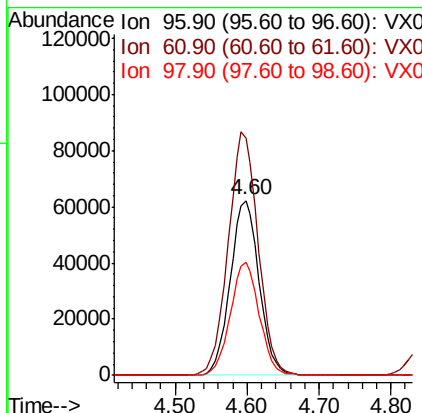
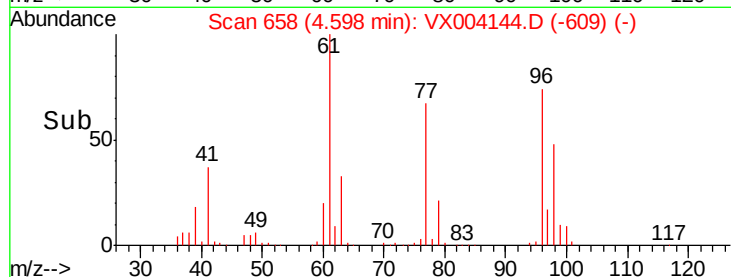
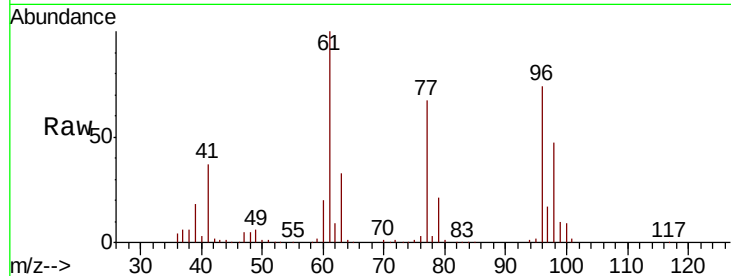
cis-1,2-Dichloroethene
Concen: 46.07 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	173056		
61	144.5	0.0	293.0	
98	64.8	0.0	131.8	

Manual Integrations
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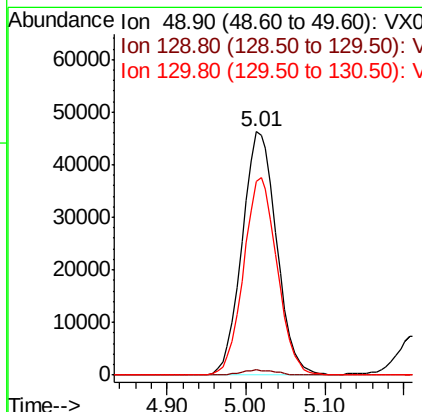
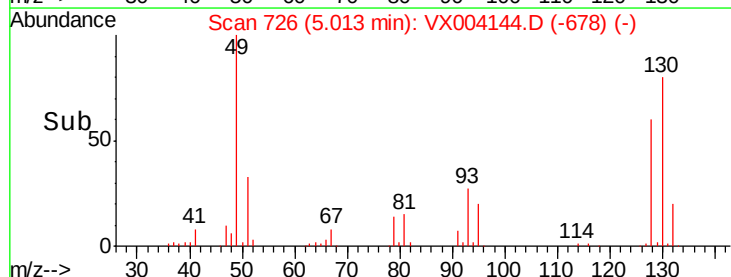
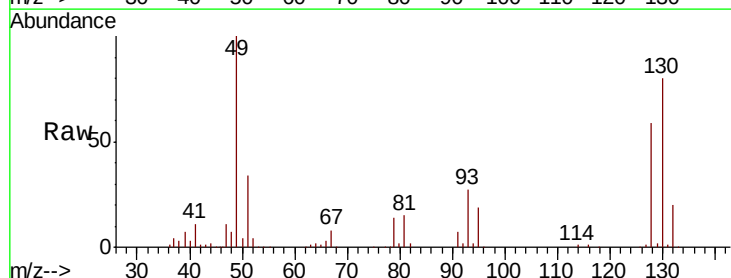
MMDadoda
8/21/2018 11:30:43 AM

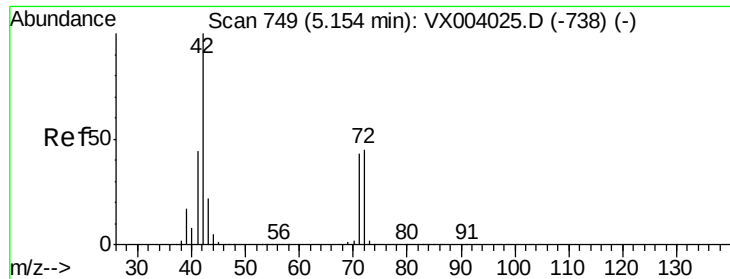


#28

Bromochloromethane
Concen: 49.34 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140622		
129	2.0	0.0	4.2	
130	79.0	66.5	99.7	





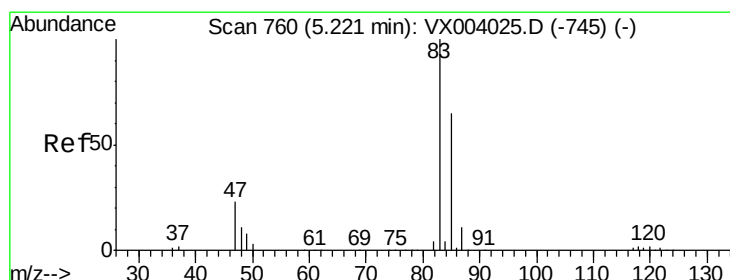
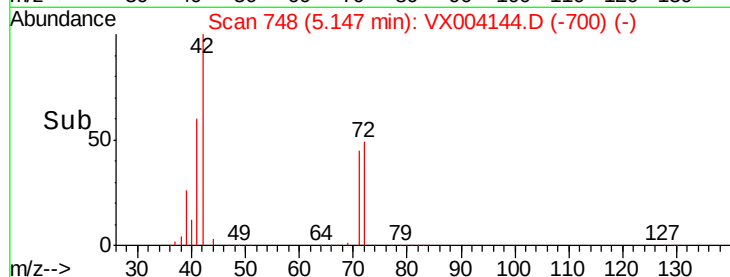
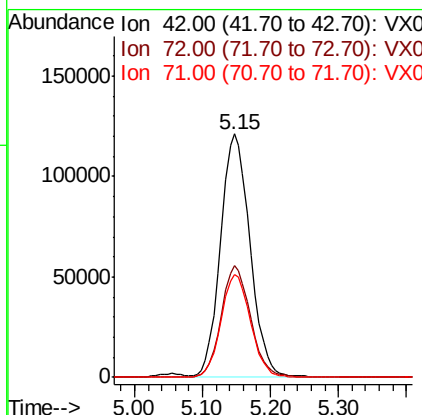
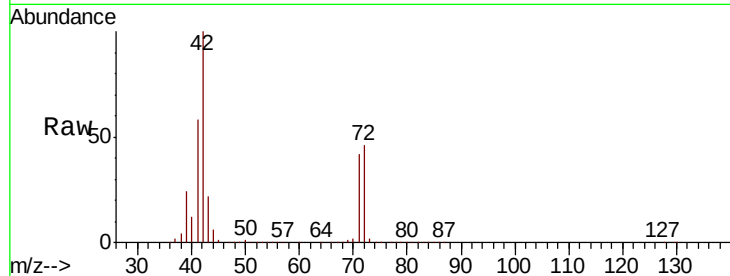
#29
Tetrahydrofuran
Concen: 213.76 ug/l
RT: 5.15 min Scan# 748
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.7	56.5
71	42.3	35.0	52.6

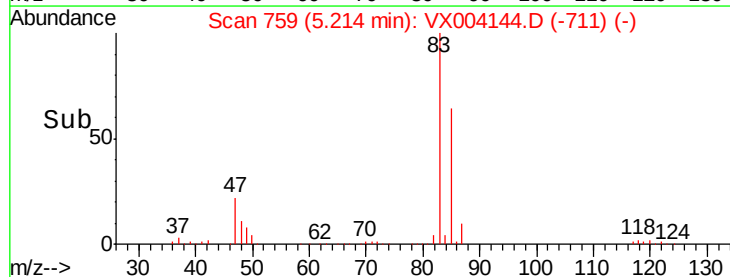
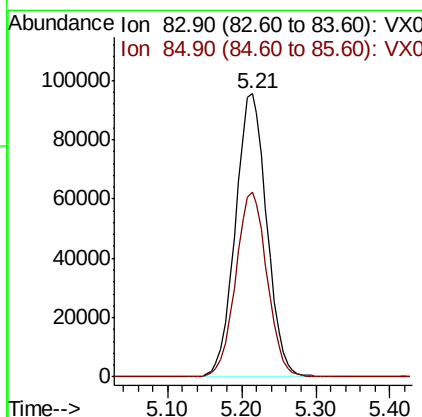
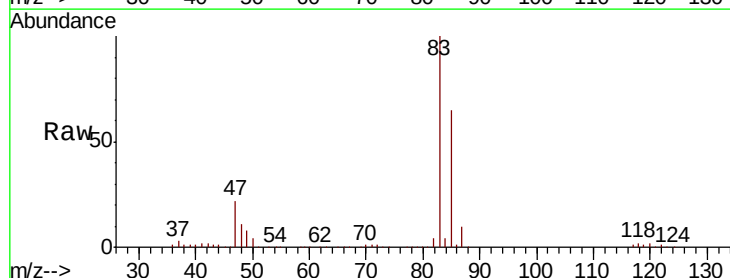
Manual Integrations
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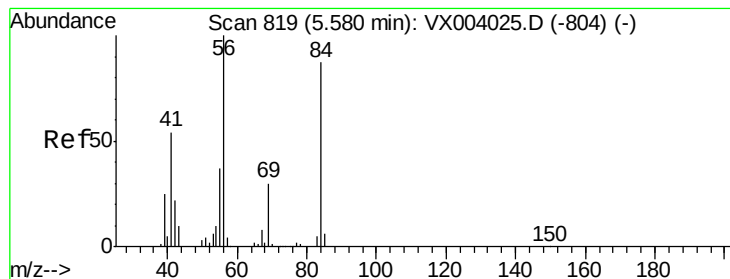
MMDadoda
8/21/2018 11:30:43 AM



#30
Chloroform
Concen: 46.54 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.7	76.1





#31

Cyclohexane

Concen: 39.75 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

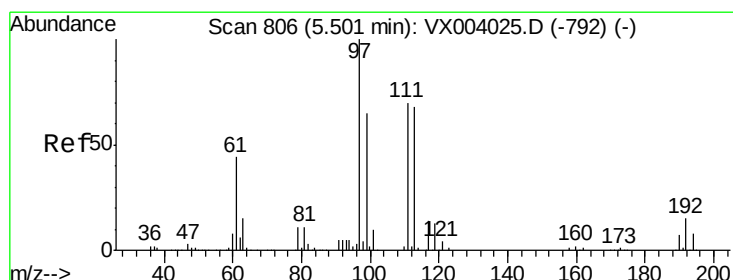
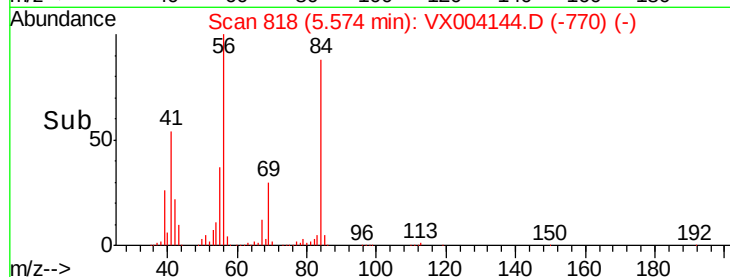
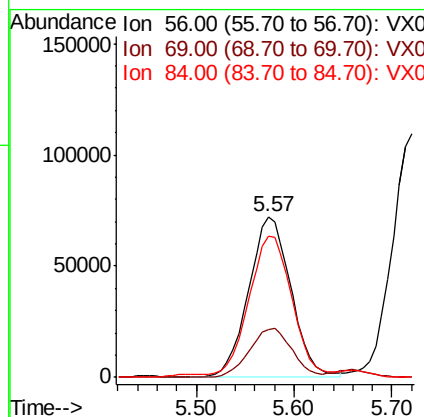
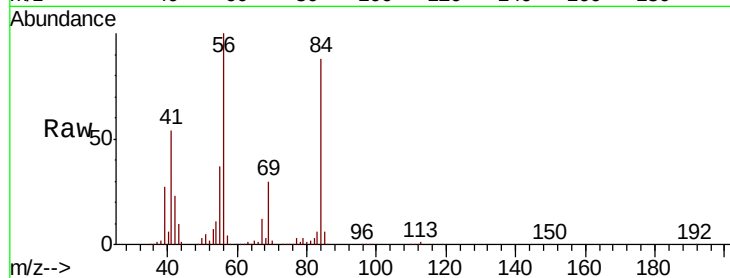
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	216507
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.9	37.3
84	86.4	71.7	107.5

Manual Integrations
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8/21/2018 11:30:43 AM



#32

1,1,1-Trichloroethane

Concen: 46.40 ug/l

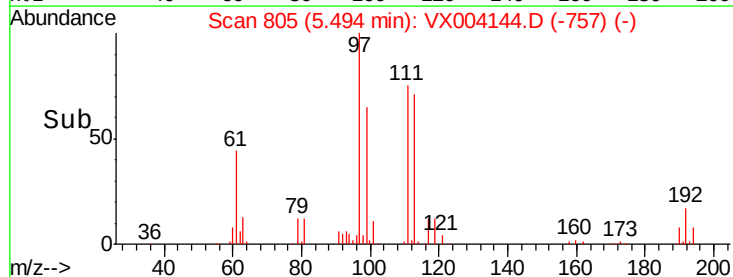
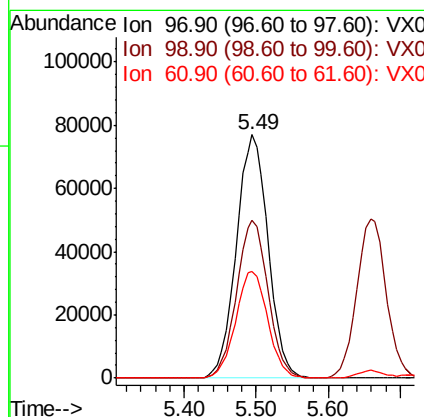
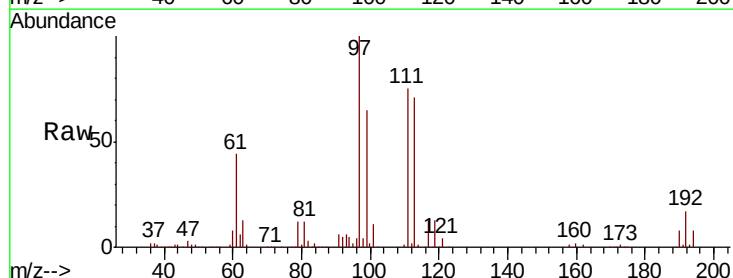
RT: 5.49 min Scan# 805

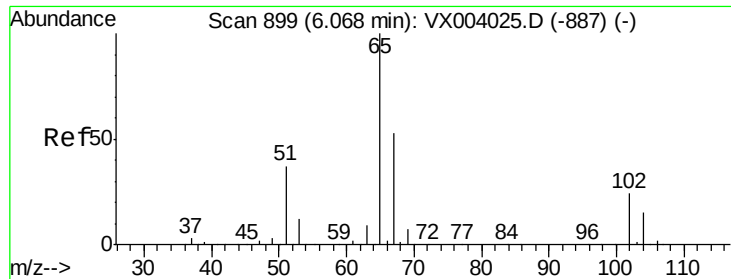
Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	97	Resp:	235091
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	44.4	34.4	51.6





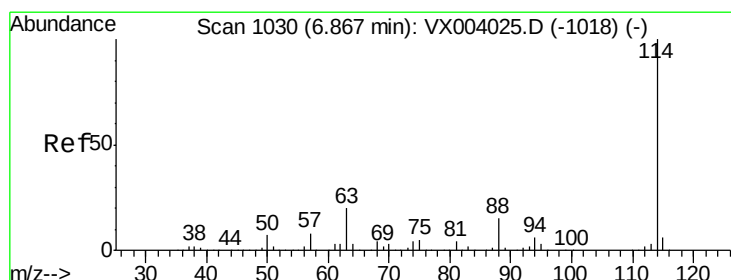
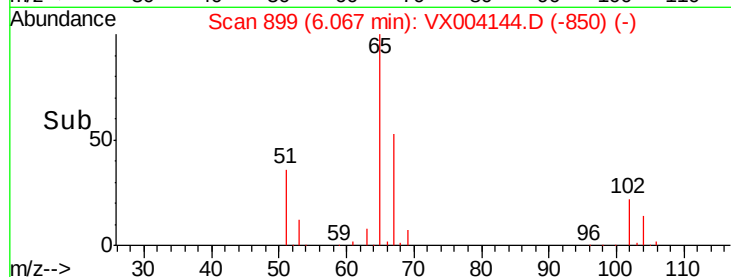
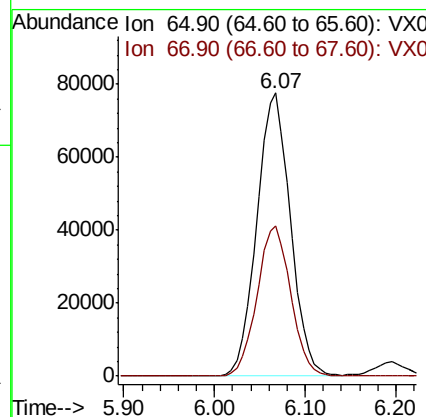
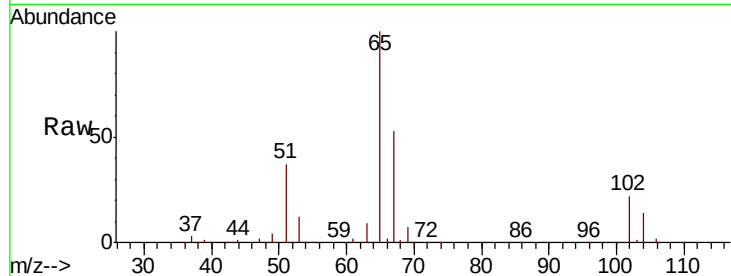
#33
 1,2-Dichloroethane-d4
 Concen: 50.55 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199164		
67	53.2	0.0	105.8	

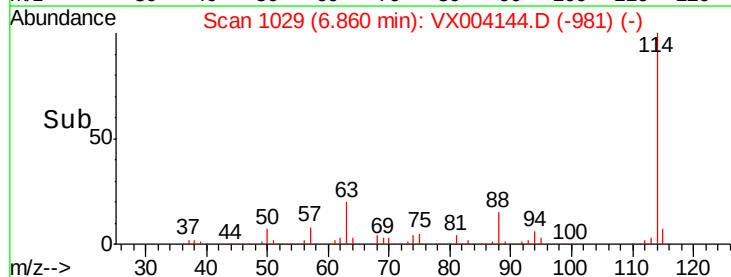
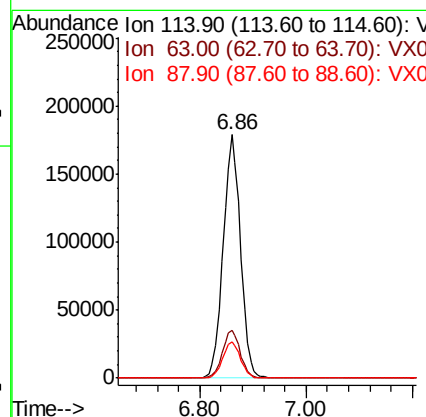
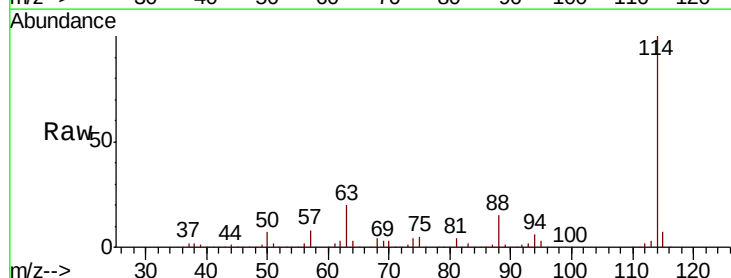
Manual Integrations
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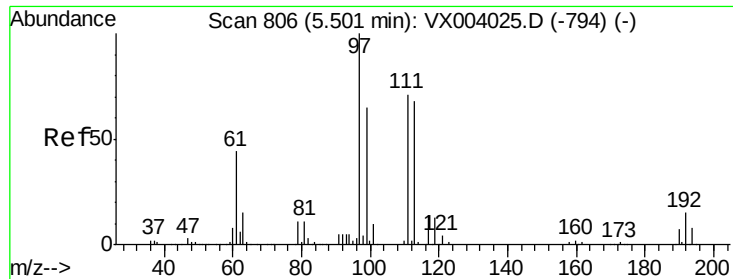
MMDadoda
 8/21/2018 11:30:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	406120		
63	19.6	0.0	39.0	
88	14.8	0.0	32.0	





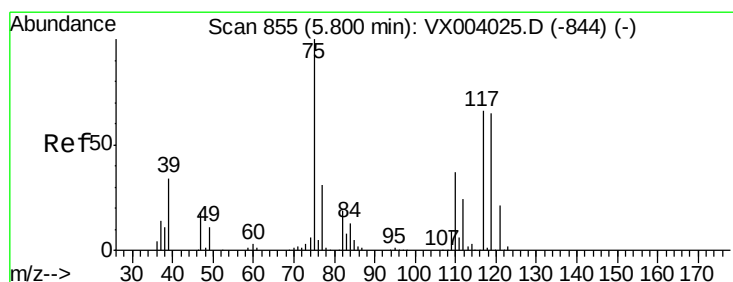
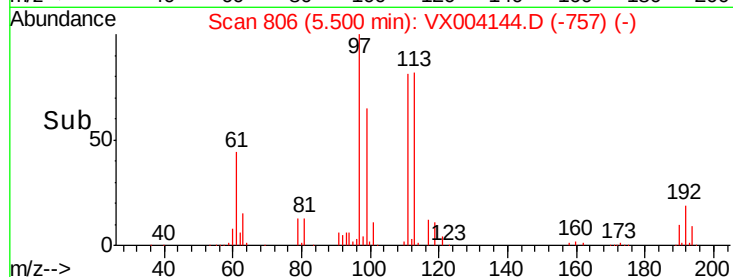
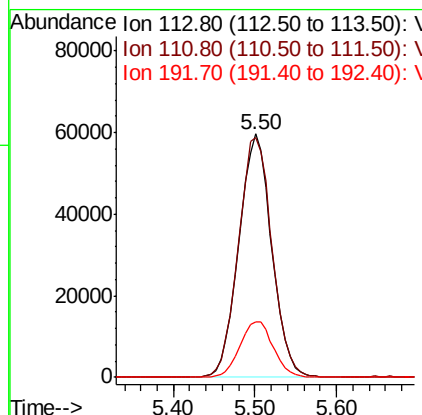
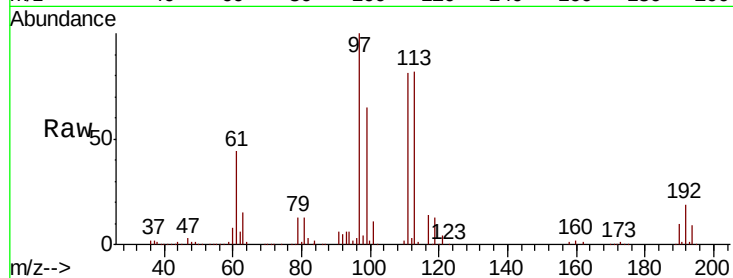
#35
 Dibromofluoromethane
 Concen: 54.64 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166081		
111	101.3	82.0	123.0	
192	23.4	19.0	28.4	

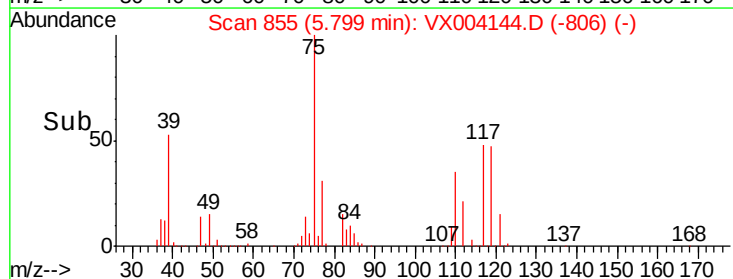
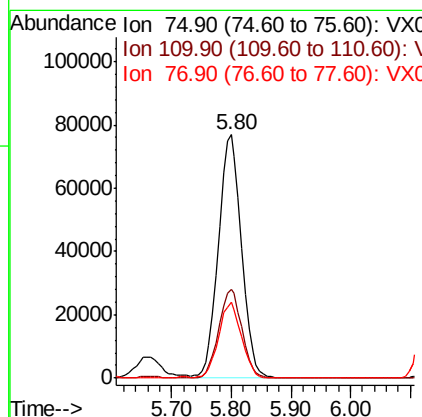
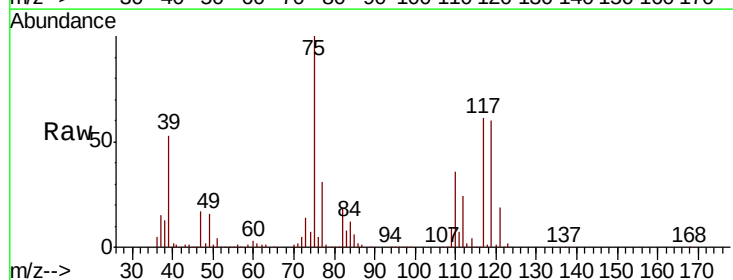
Manual Integrations
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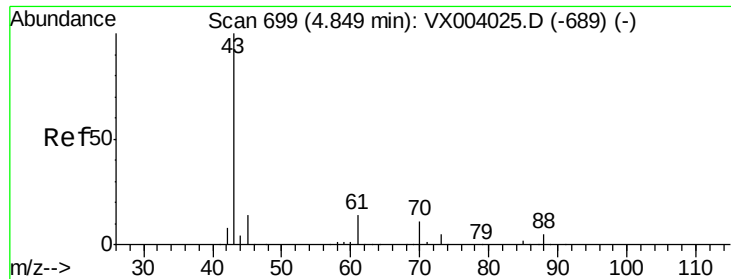
MMDadoda
 8/21/2018 11:30:43 AM



#36
 1,1-Dichloropropene
 Concen: 44.75 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	206813		
110	36.5	18.2	54.6	
77	30.5	25.0	37.4	





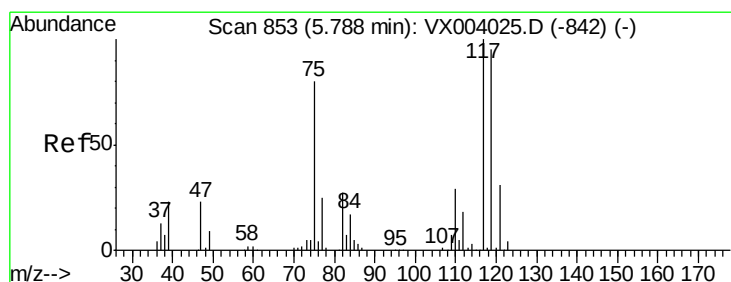
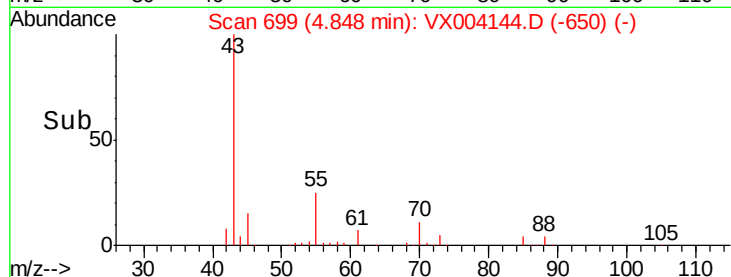
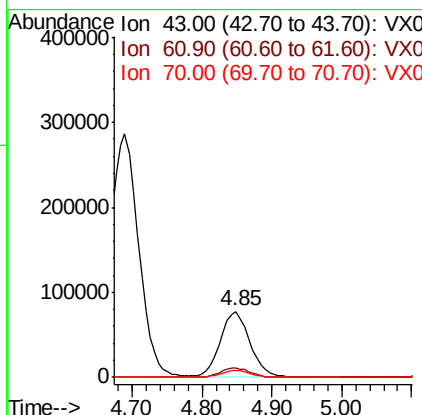
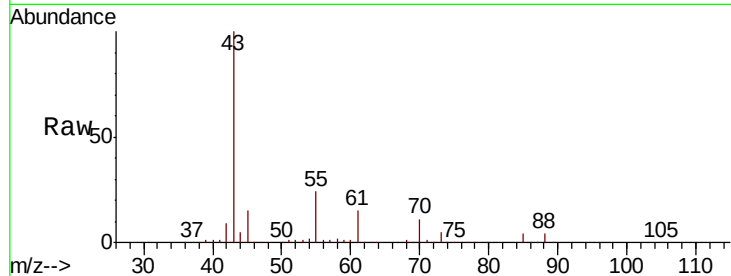
#37
Ethyl Acetate
Concen: 45.24 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	227651
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.5	17.3
70	11.0	9.0	13.4

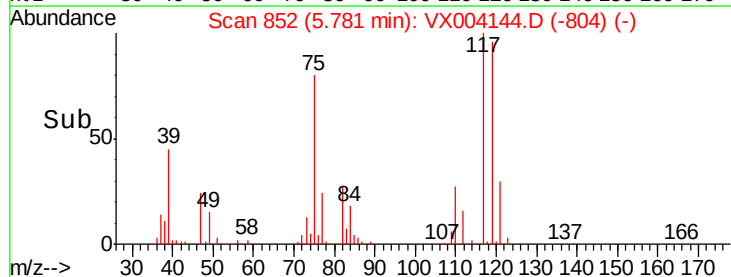
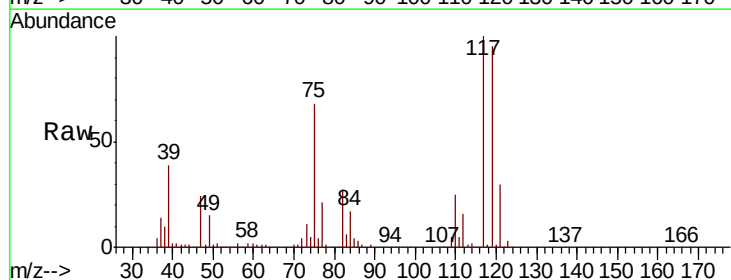
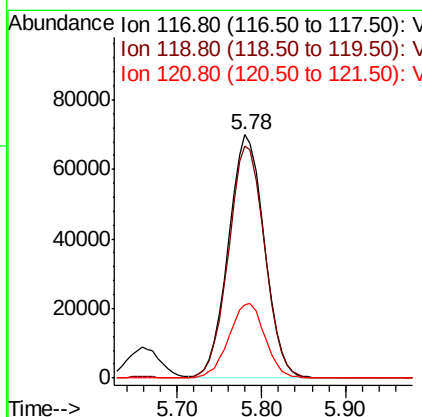
Manual Integrations
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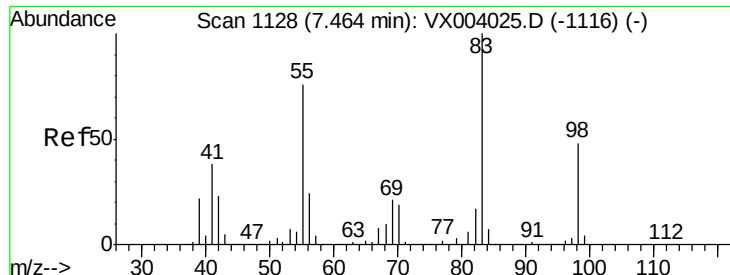
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.12 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	117	Resp	202581
Ion Ratio	Lower	Upper	
117	100		
119	95.3	79.5	119.3
121	30.2	25.0	37.4





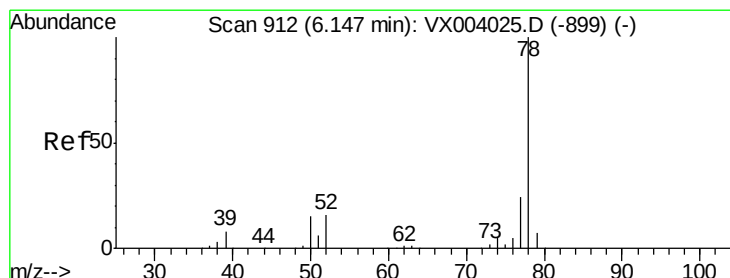
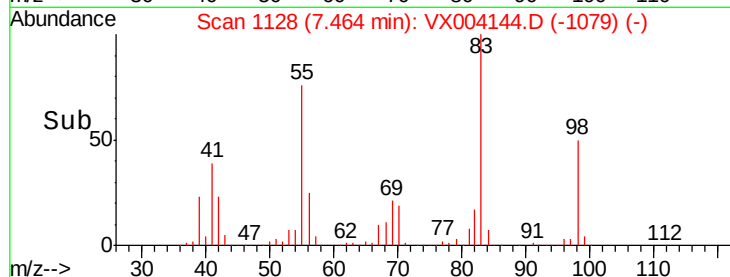
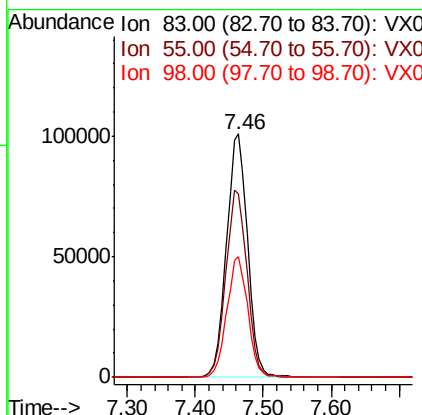
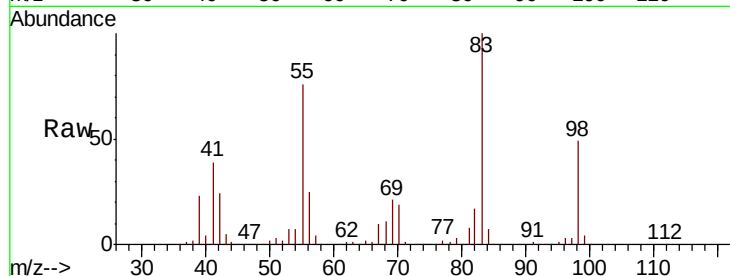
#39
Methylvlcyclohexane
Concen: 41.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.0	91.6
98	49.5	38.6	57.8

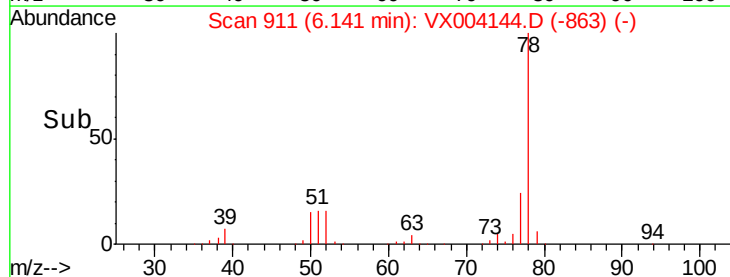
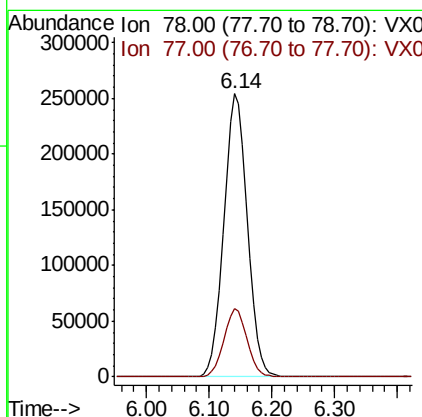
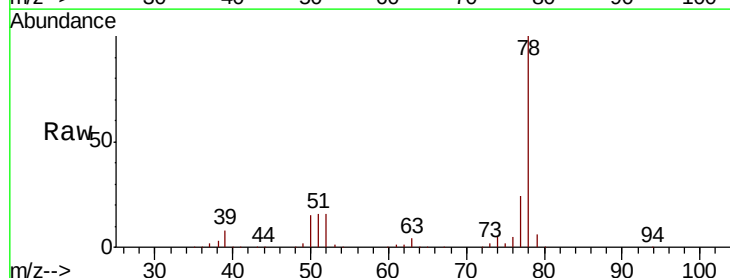
Manual Integrations
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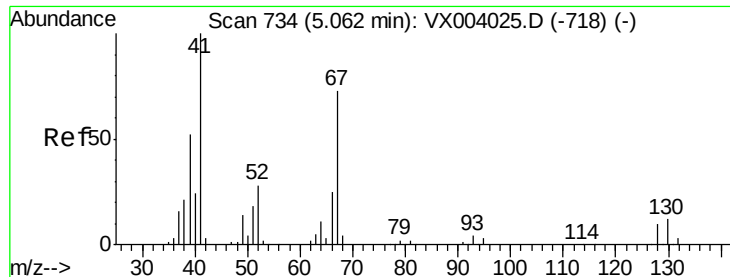
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#40
Benzene
Concen: 47.51 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





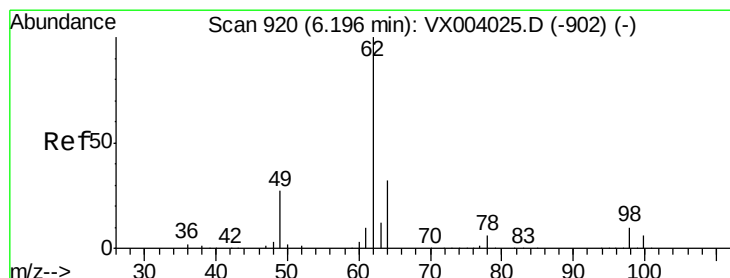
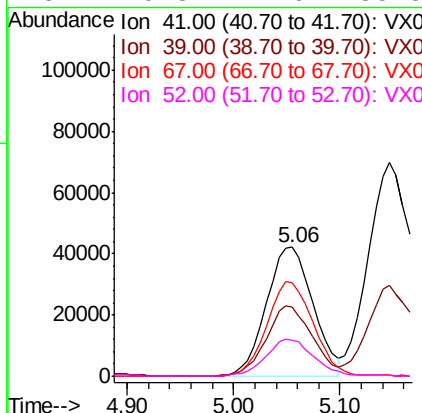
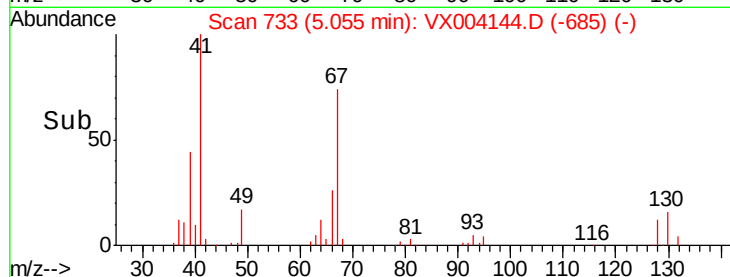
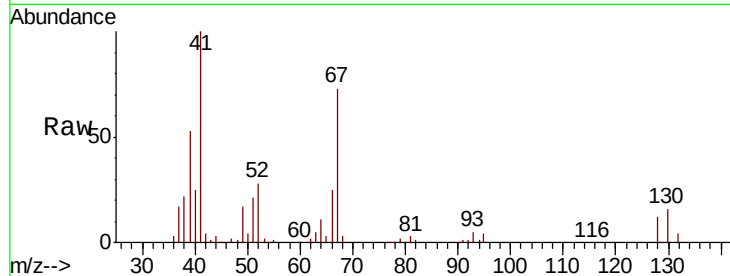
#41
Methacrylonitrile
Concen: 45.51 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.7	64.1	
67	73.3	58.9	88.3	
52	29.3	22.6	33.8	

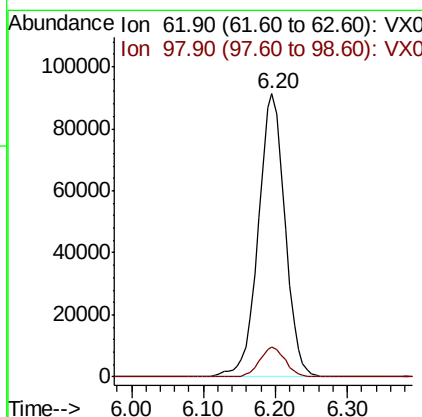
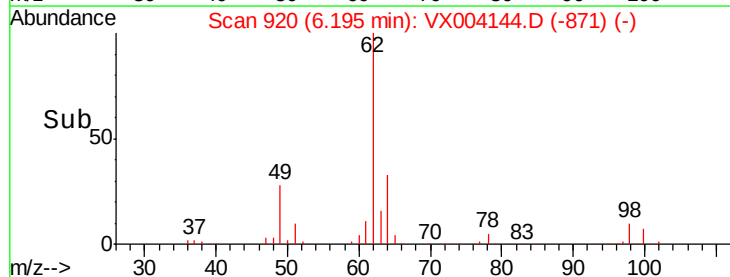
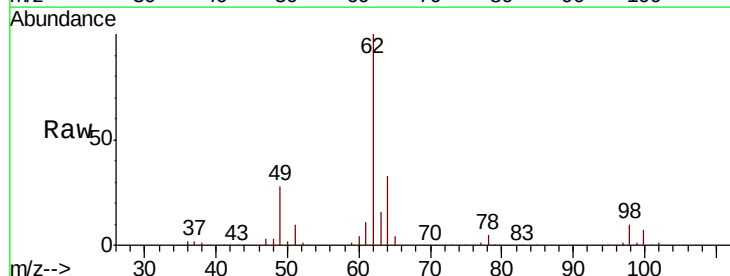
Manual Integrations
APPROVED

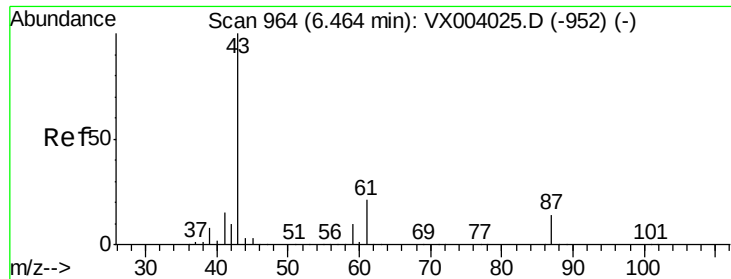
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.40 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

Isopropyl Acetate

Concen: 46.46 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

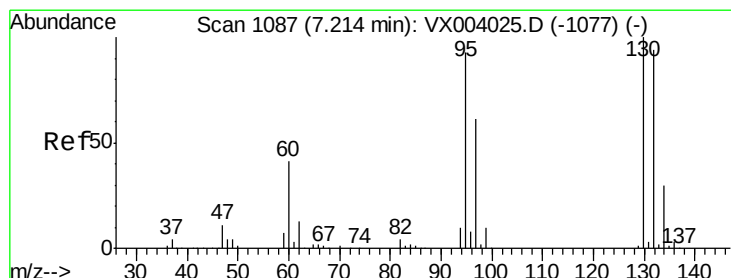
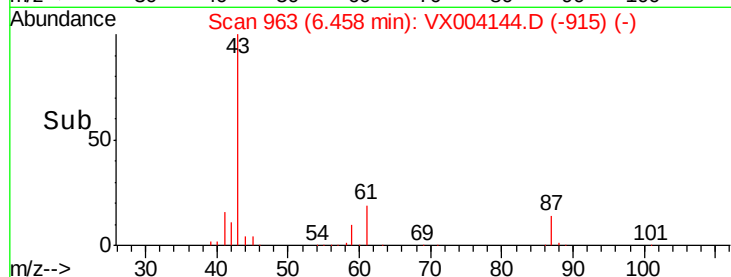
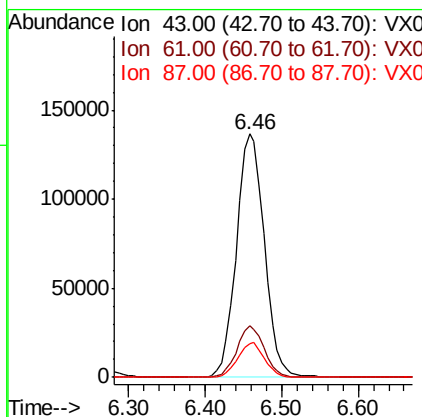
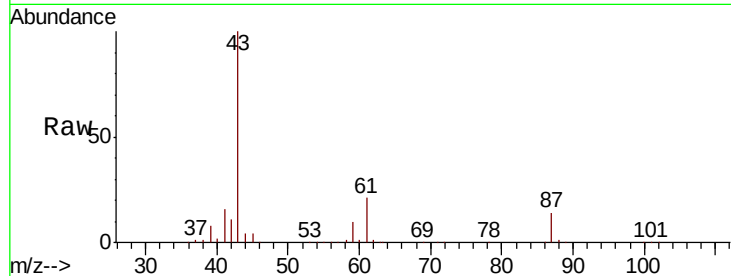
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	344661
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	13.7	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 45.20 ug/l

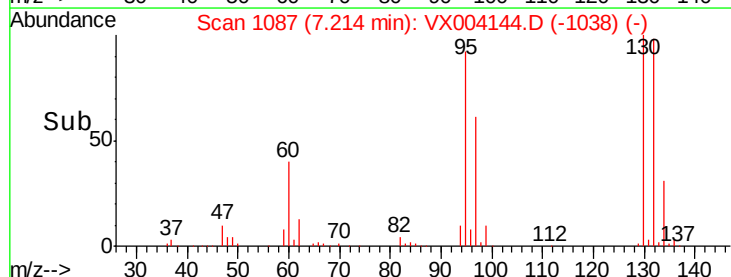
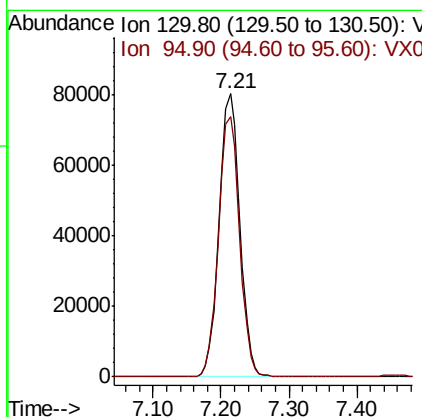
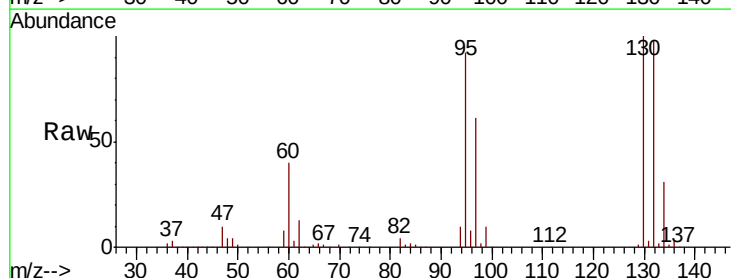
RT: 7.21 min Scan# 1087

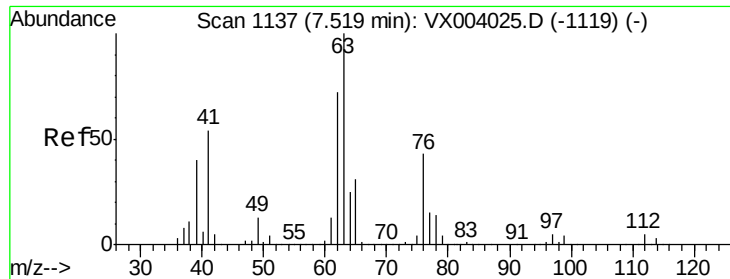
Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	130	Resp:	170297
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	199.4





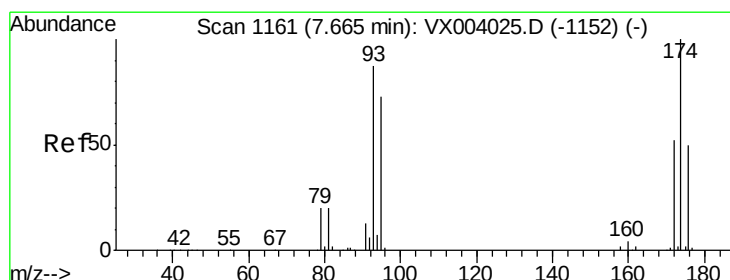
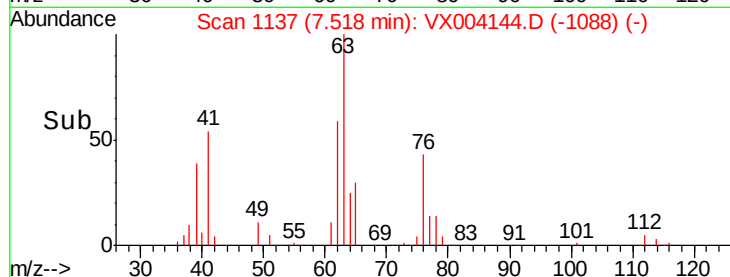
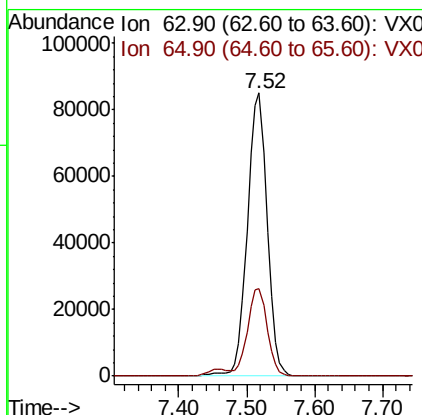
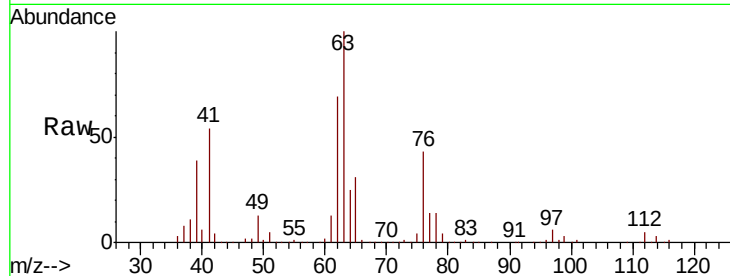
#45
 1,2-Dichloropropane
 Concen: 48.75 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

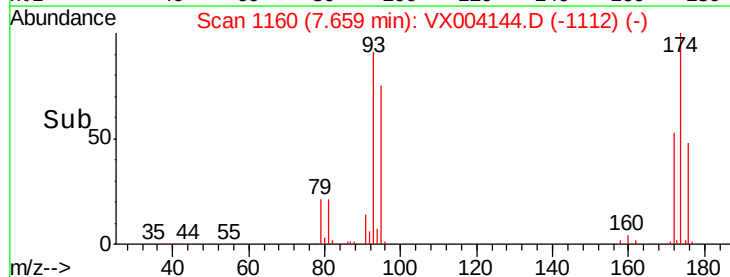
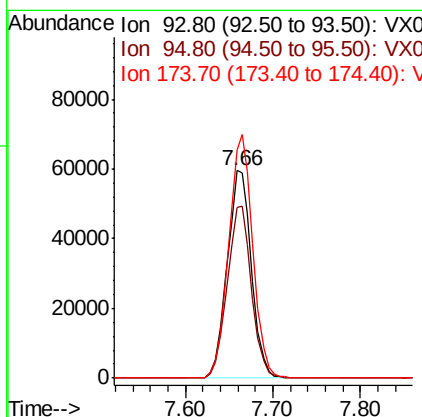
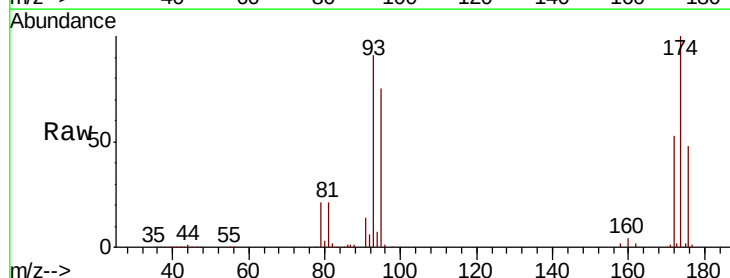
Manual Integrations
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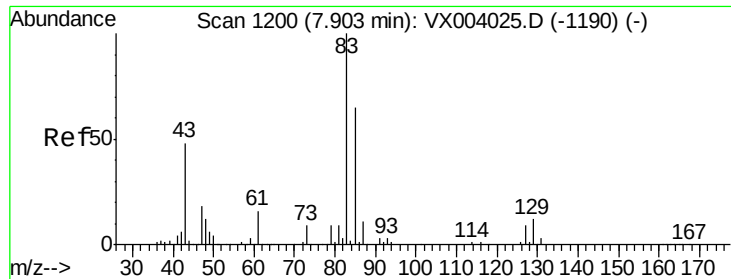
MMDadoda
 8/21/2018 11:30:43 AM



#46
 Dibromomethane
 Concen: 49.28 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.4	99.6
174	116.8	94.3	141.5





#47

Bromodichloromethane

Concen: 50.05 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

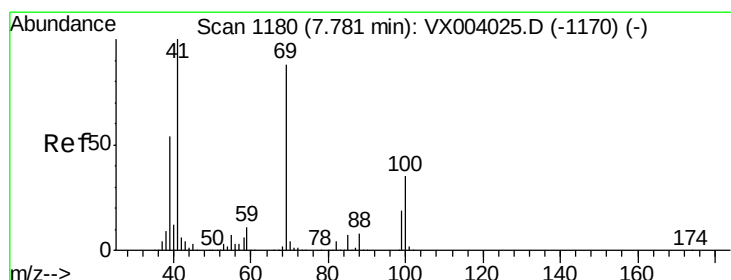
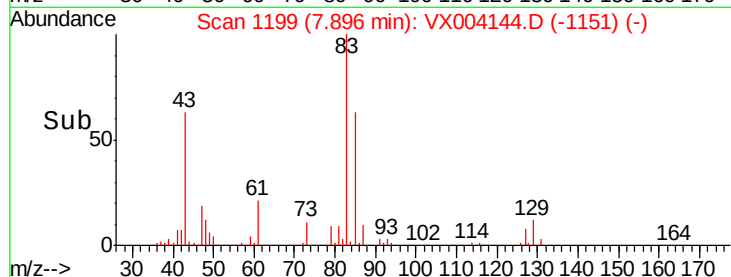
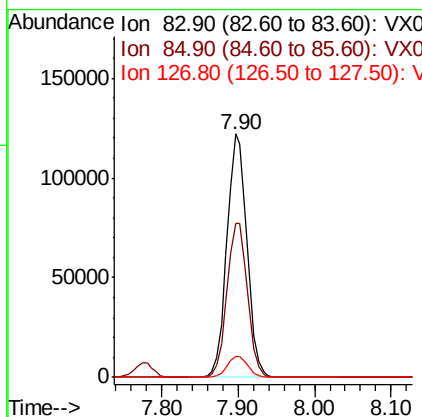
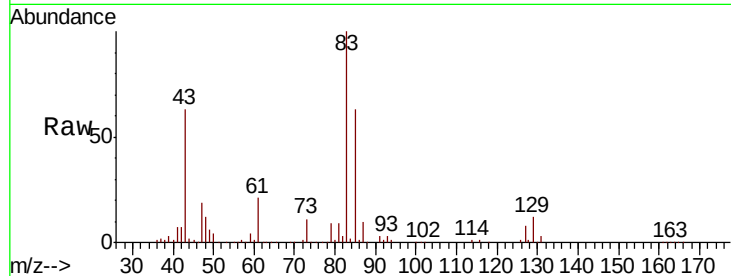
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	220069
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.2	76.8
127	8.3	7.2	10.8

Manual Integrations
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8/21/2018 11:30:43 AM



#48

Methyl methacrylate

Concen: 49.79 ug/l

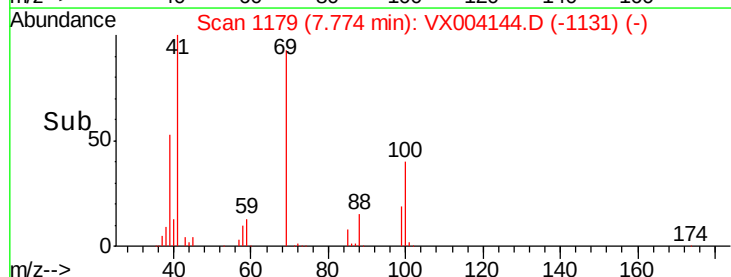
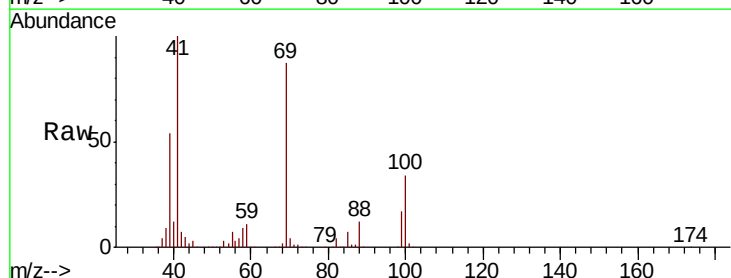
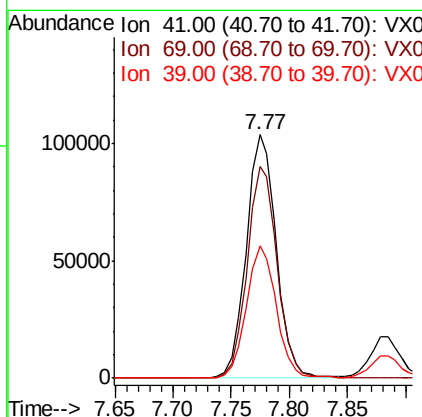
RT: 7.77 min Scan# 1179

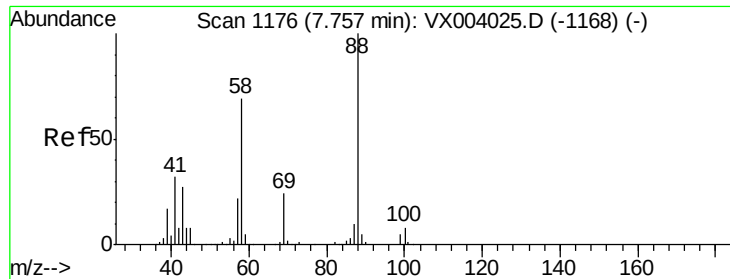
Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	41	Resp:	185932
Ion Ratio	Lower	Upper	
41	100		
69	87.6	68.8	103.2
39	54.2	42.3	63.5





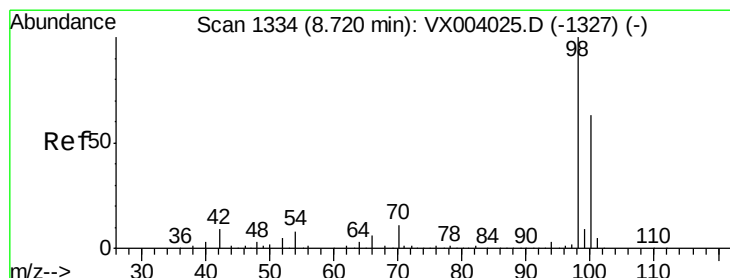
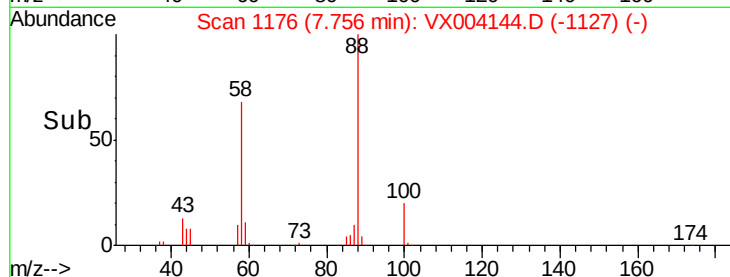
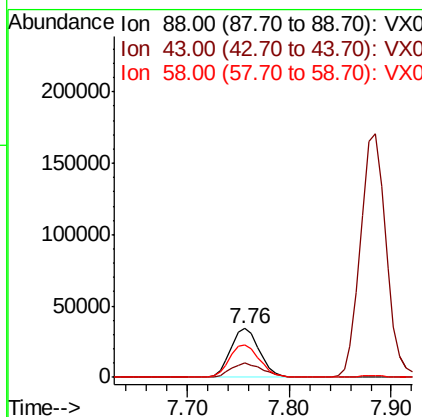
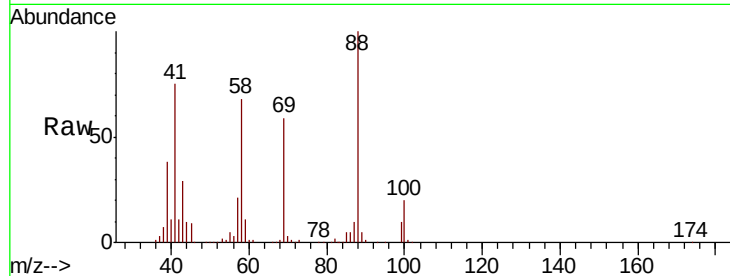
#49
1,4-Dioxane
Concen: 796.69 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	23.8	35.8
58	70.3	55.4	83.0

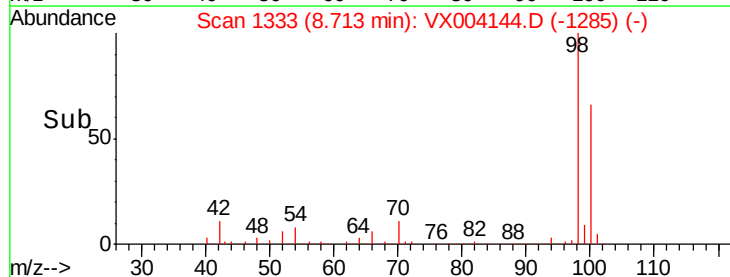
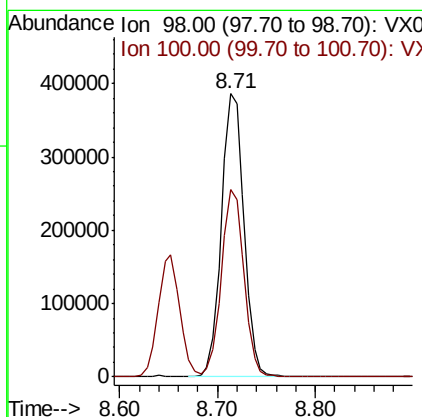
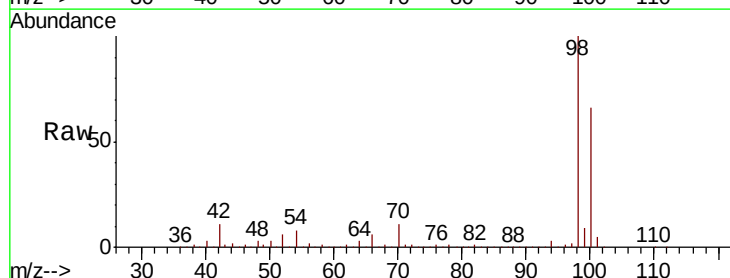
Manual Integrations
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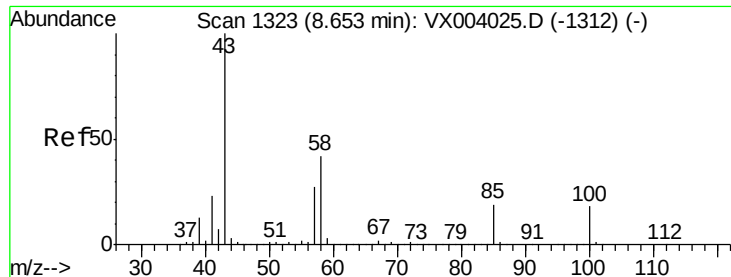
MMDadoda
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#50
Toluene-d8
Concen: 50.09 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





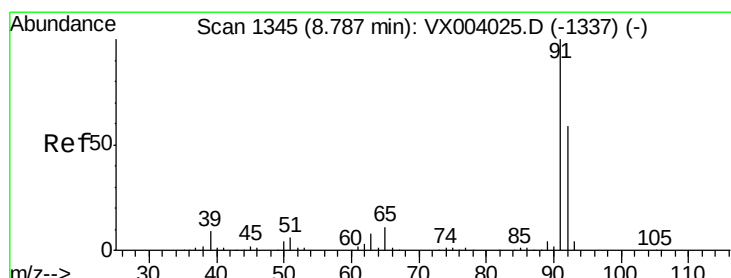
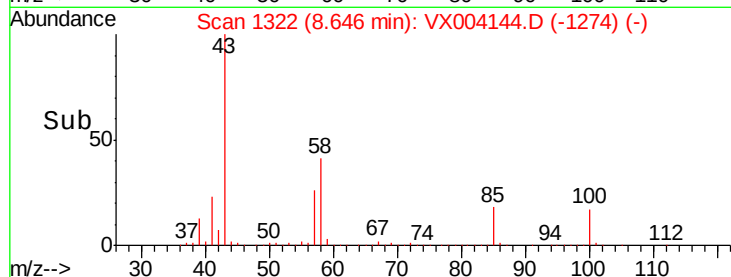
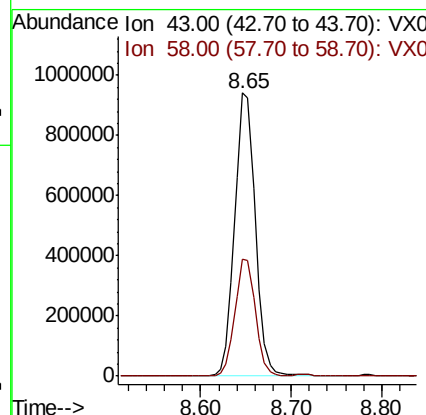
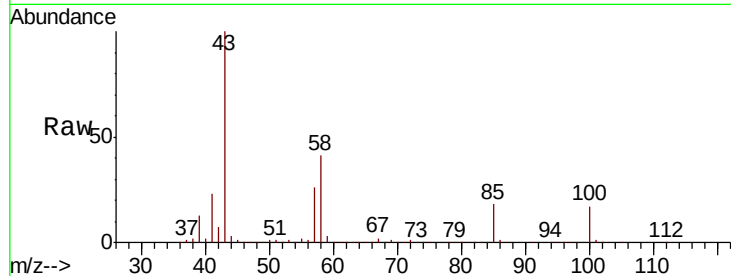
#51
4-Methyl-2-Pentanone
Concen: 245.31 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1492085
Ion Ratio Lower Upper
43 100
58 40.9 33.0 49.6

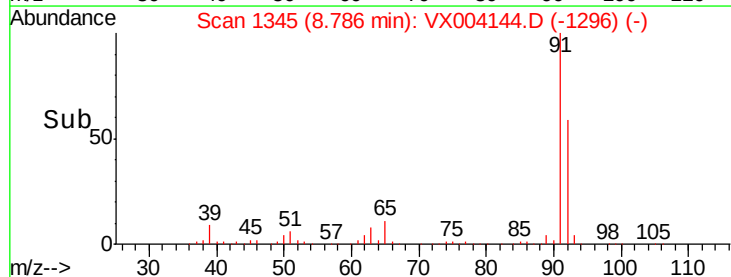
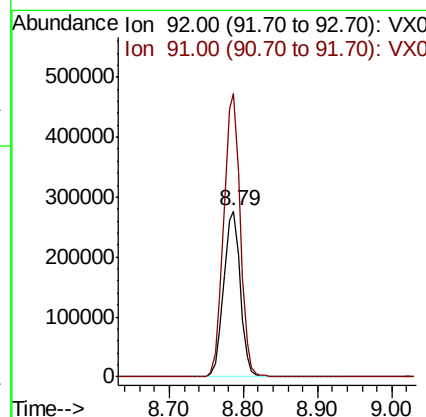
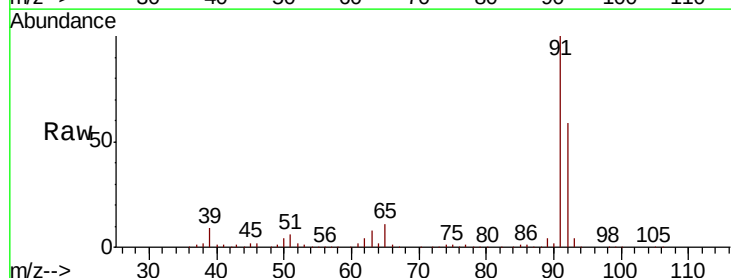
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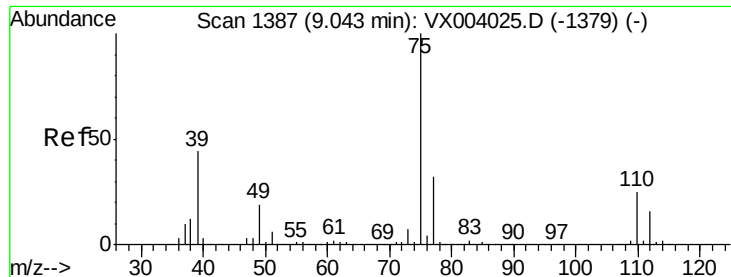
MMDadoda
8/21/2018 11:30:43 AM



#52
Toluene
Concen: 48.54 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 92 Resp: 426036
Ion Ratio Lower Upper
92 100
91 170.1 136.1 204.1





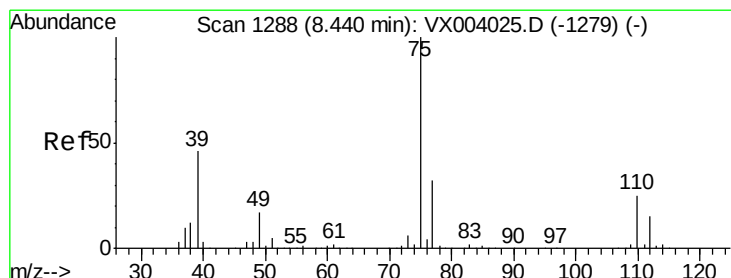
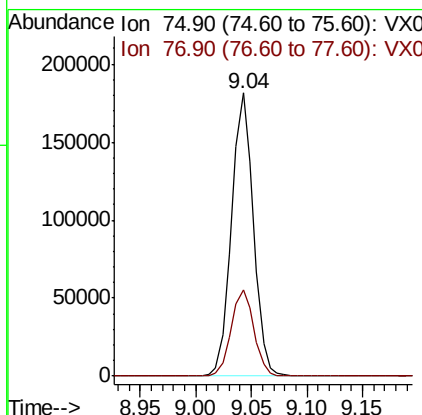
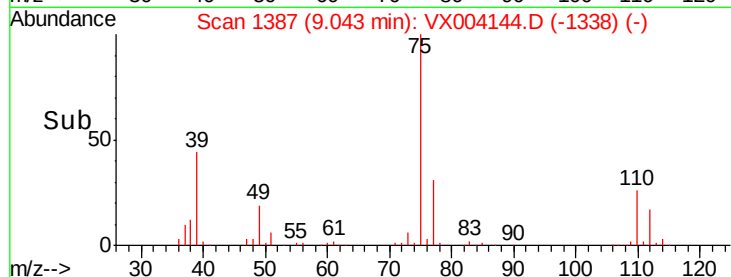
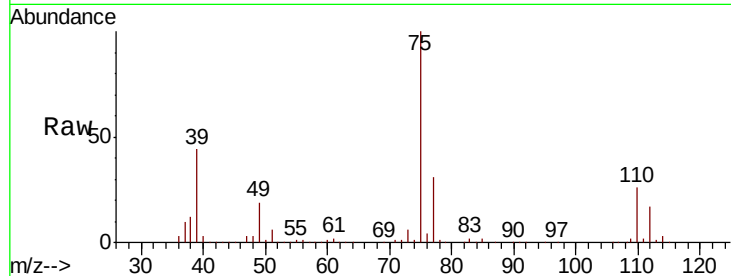
#53
t-1,3-Dichloropropene
Concen: 51.96 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 246814
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7

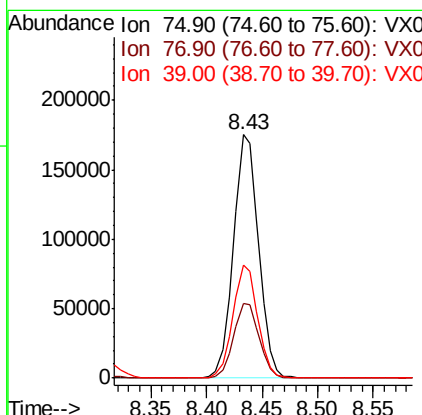
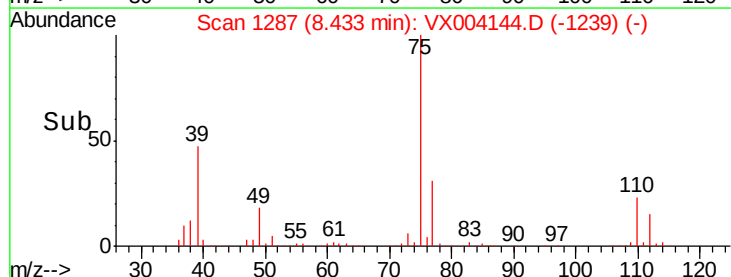
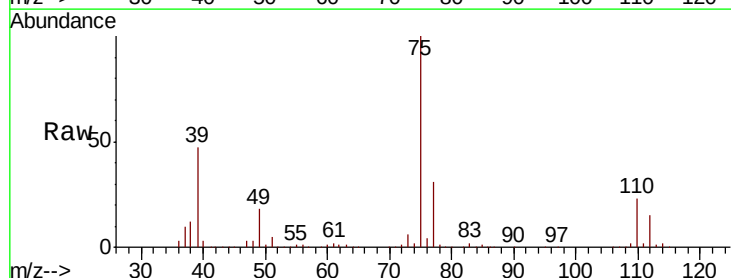
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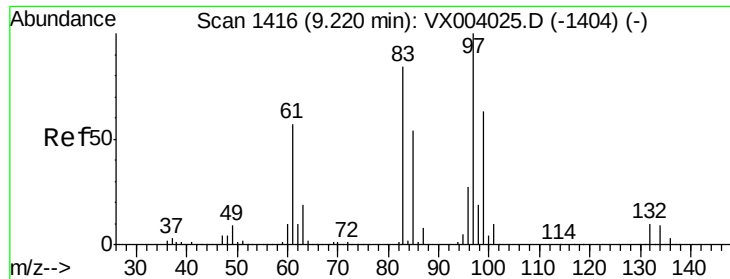
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.94 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 75 Resp: 273241
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9
39 46.5 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 49.17 ug/l

RT: 9.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

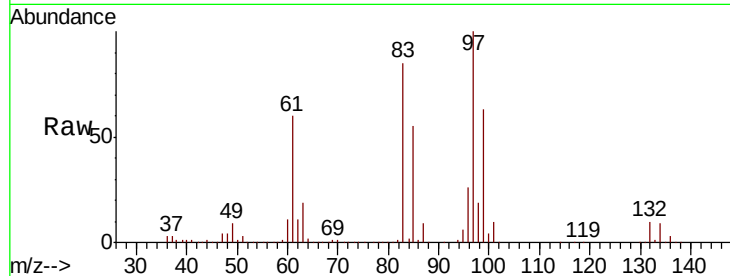
ClientSampleId :

VSTDCCC050

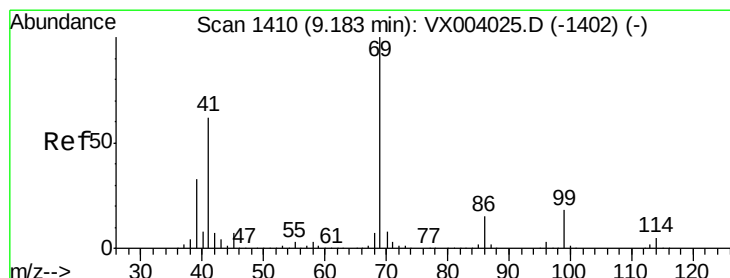
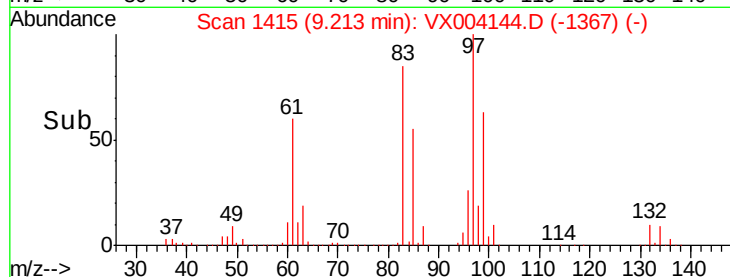
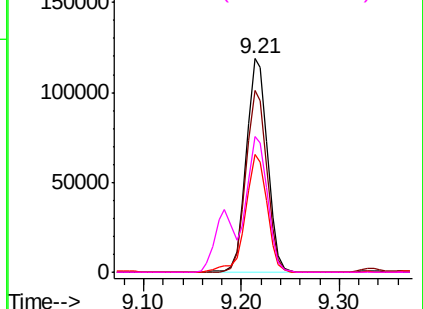
Tot Ion:	97	Resp:	178193
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.8	101.6
85	55.1	44.2	66.2
99	63.3	50.8	76.2

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



#56

Ethyl methacrylate

Concen: 50.48 ug/l

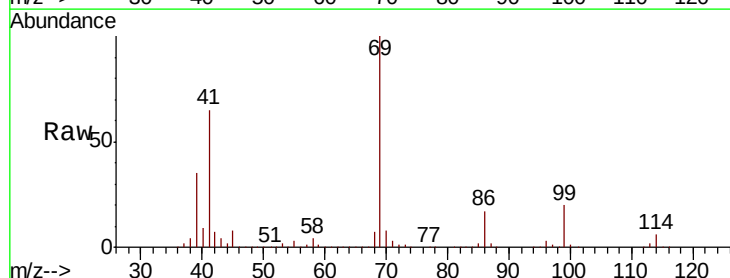
RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

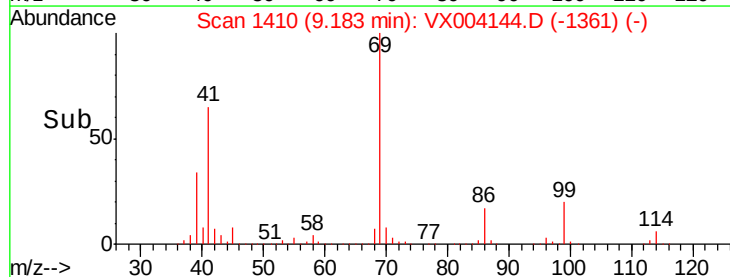
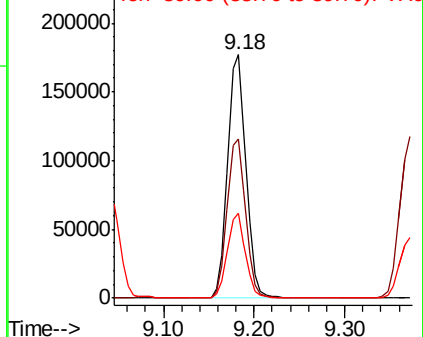
Lab File: VX004144.D

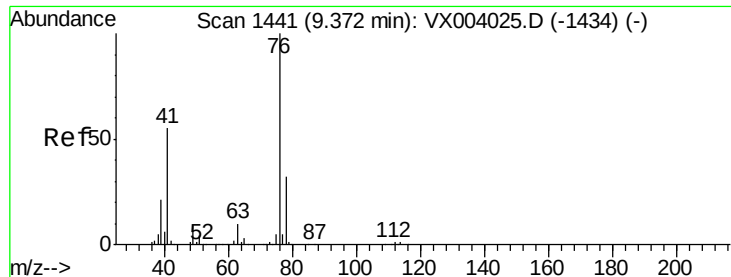
Acq: 20 Aug 2018 10:16

Tgt Ion:	69	Resp:	248783
Ion	Ratio	Lower	Upper
69	100		
41	65.5	50.6	76.0
39	33.9	25.8	38.6



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





#57

1,3-Dichloropropane

Concen: 49.90 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 300078

Ion Ratio Lower Upper

76 100

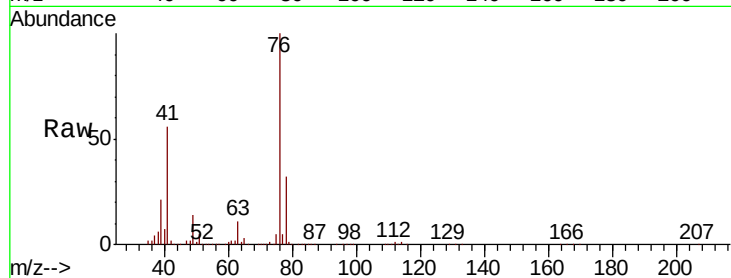
78 32.2 25.9 38.9

Manual Integrations

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8/21/2018 11:30:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

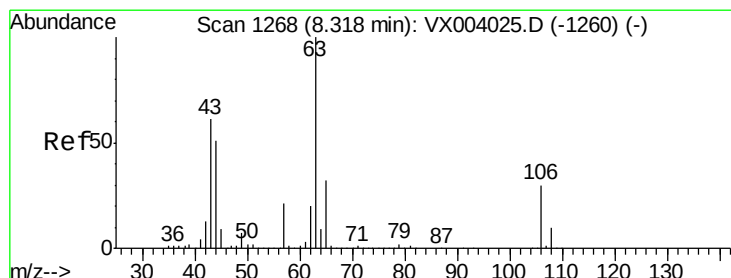
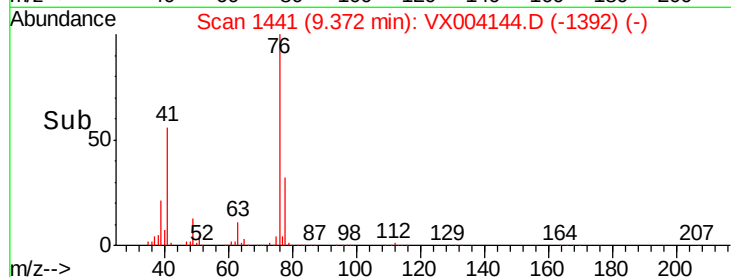
0

9.30

9.40

9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 311.17 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004144.D

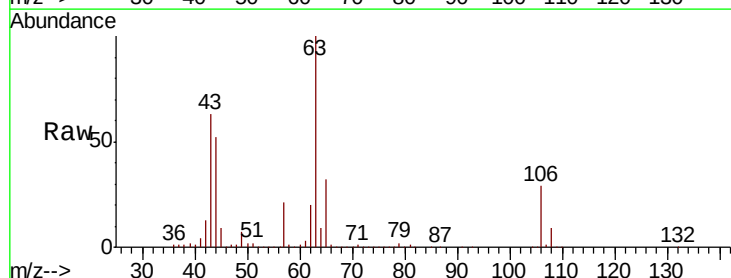
Acq: 20 Aug 2018 10:16

Tgt Ion: 63 Resp: 780899

Ion Ratio Lower Upper

63 100

106 29.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

600000

500000

400000

300000

200000

100000

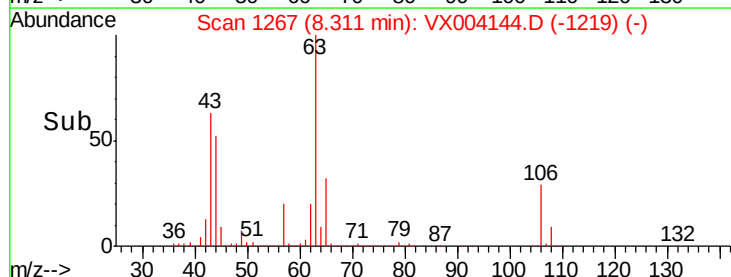
0

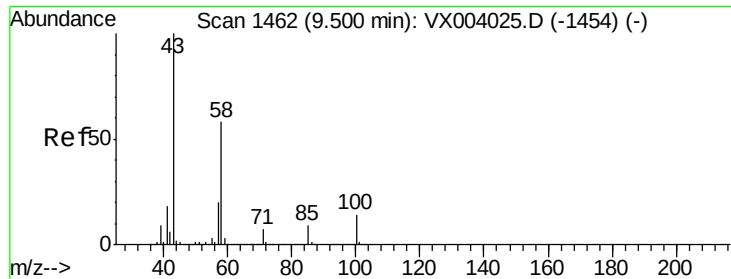
8.20

8.30

8.40

Time-->





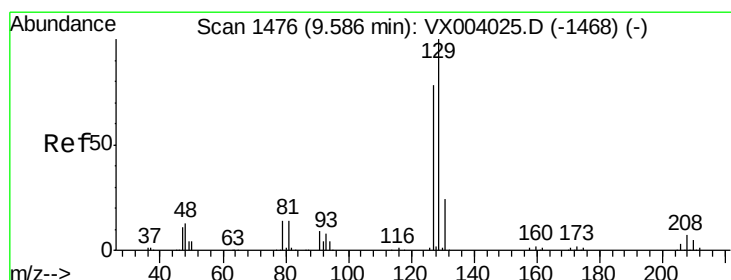
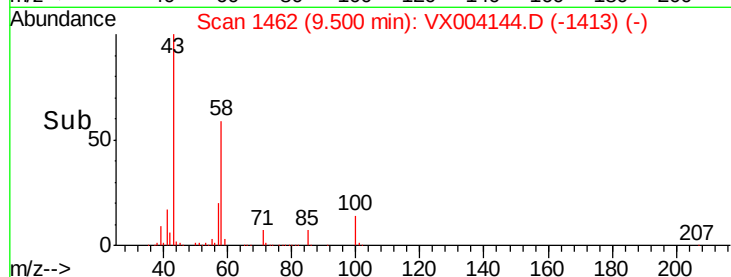
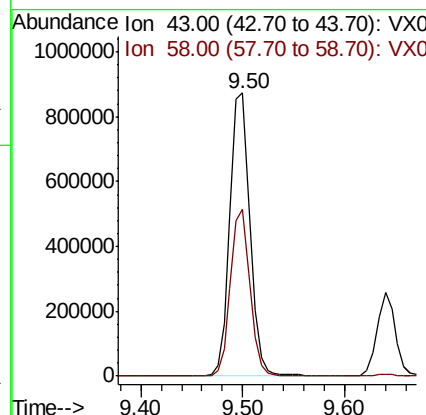
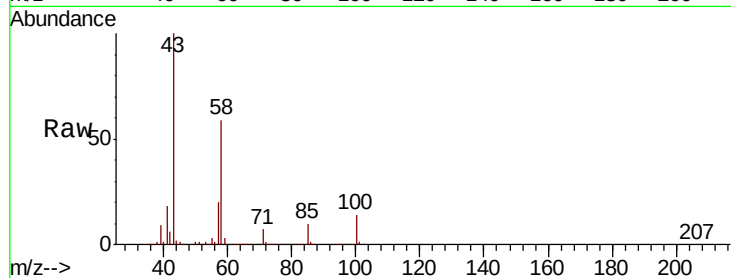
#59
2-Hexanone
Concen: 261.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1196684
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0

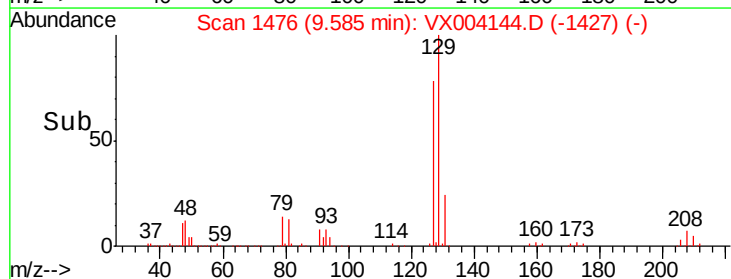
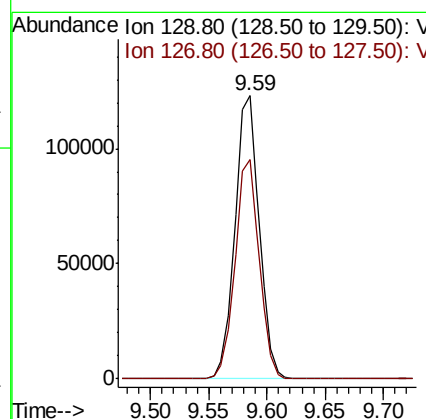
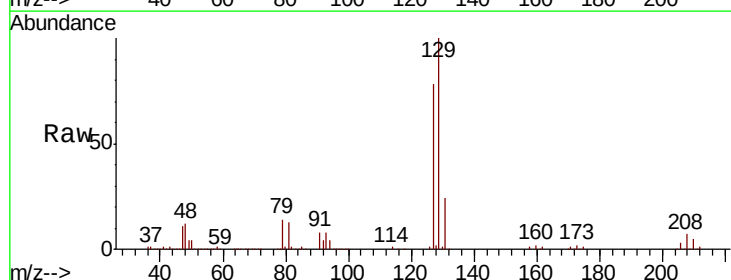
Manual Integrations
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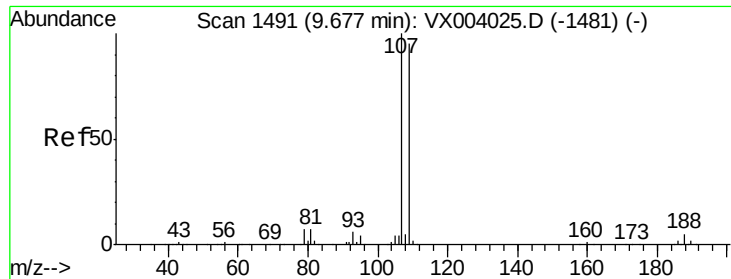
MMDadoda
8/21/2018 11:30:43 AM



#60
Dibromochloromethane
Concen: 51.10 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 129 Resp: 178219
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.72 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 183683

Ion Ratio Lower Upper

107 100

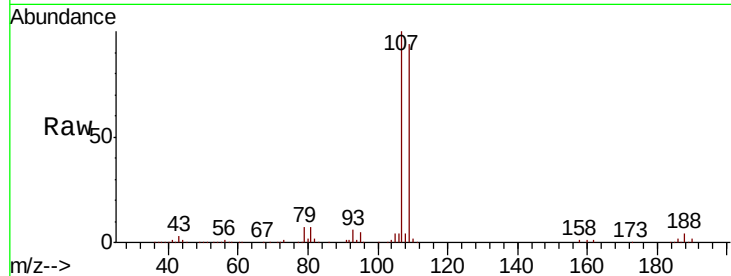
109 94.5 75.8 113.8

Manual Integrations

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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

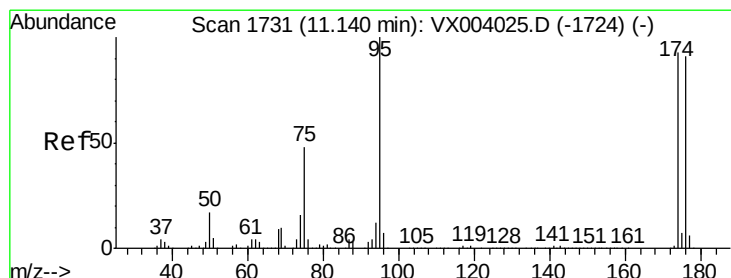
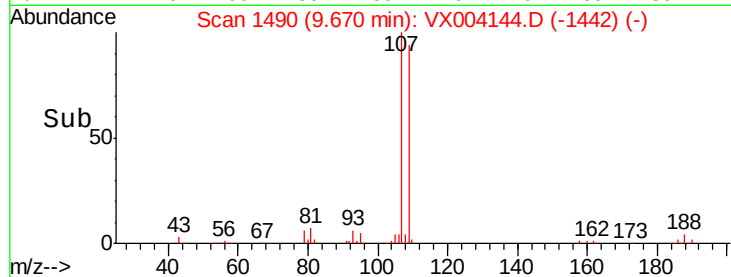
50000

0

9.67

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

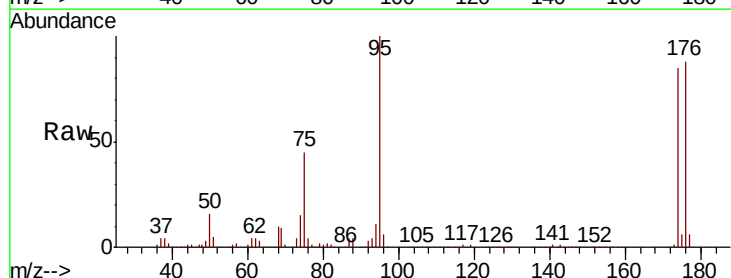
Tgt Ion: 95 Resp: 224873

Ion Ratio Lower Upper

95 100

174 87.4 0.0 182.8

176 87.4 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

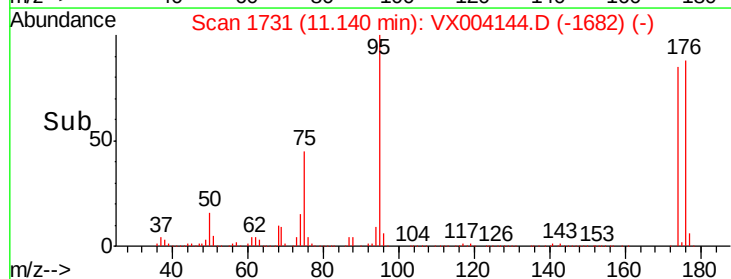
50000

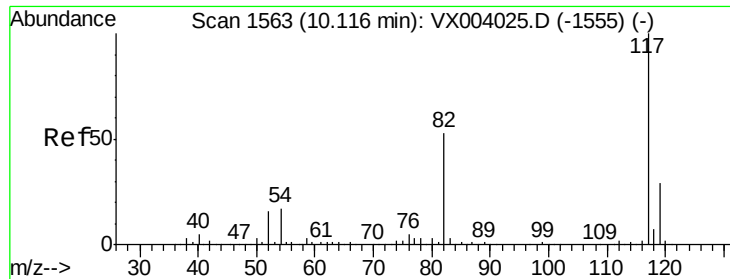
0

11.14

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: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

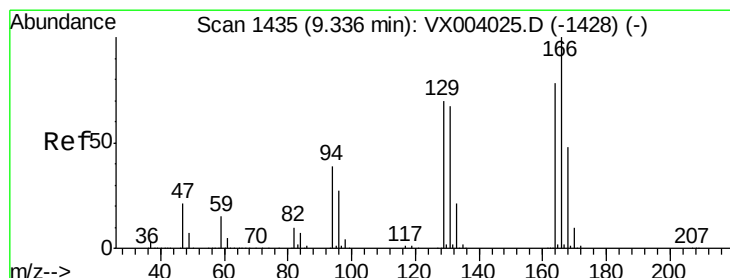
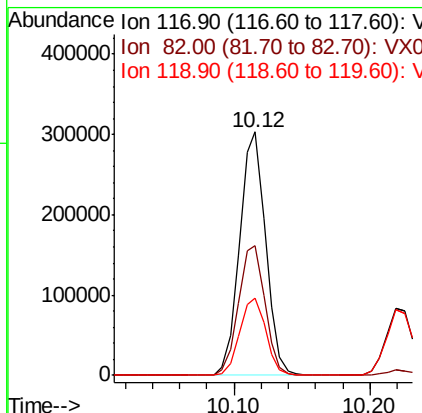
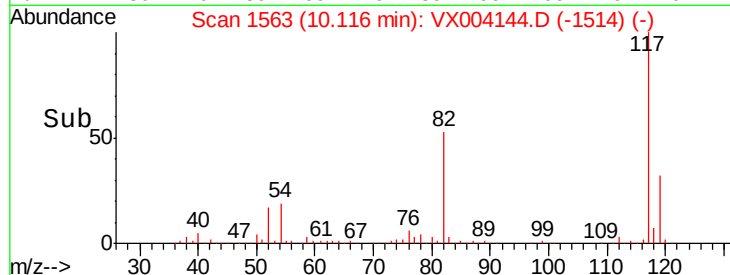
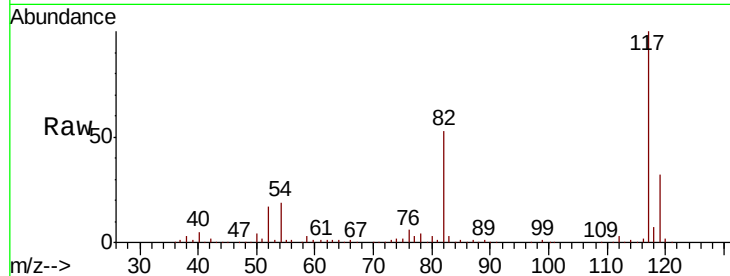
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	403576
Ion Ratio	Lower	Upper	
117	100		
82	53.1	45.4	68.0
119	31.9	26.6	40.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 40.90 ug/l

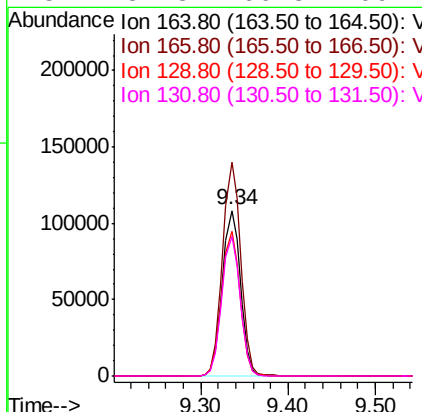
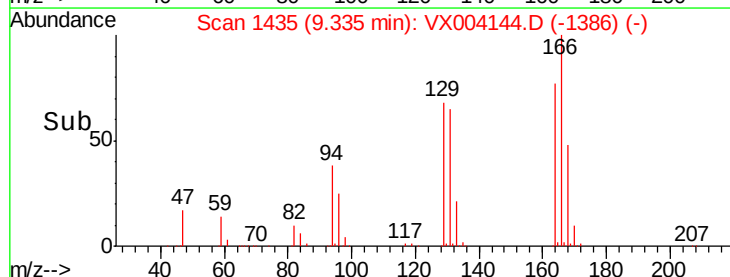
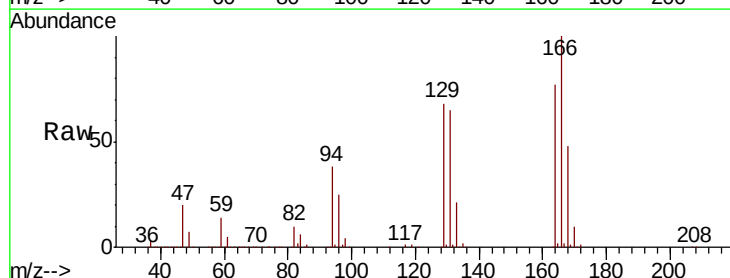
RT: 9.34 min Scan# 1435

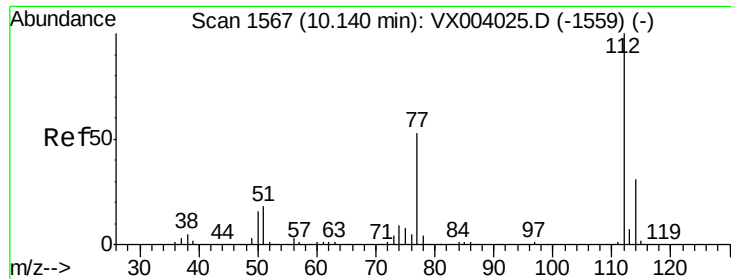
Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	164	Resp:	156431
Ion Ratio	Lower	Upper	
164	100		
166	129.3	98.0	147.0
129	87.7	64.3	96.5
131	84.3	66.8	100.2





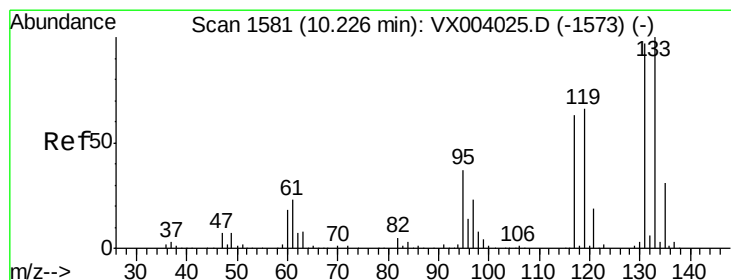
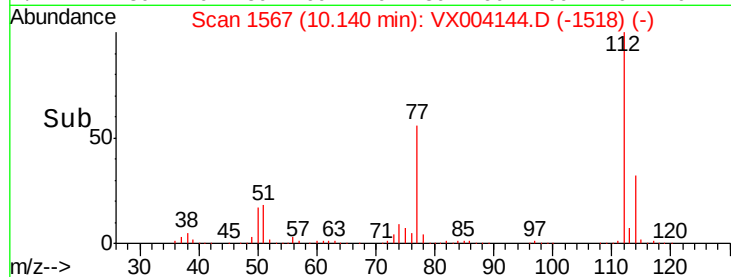
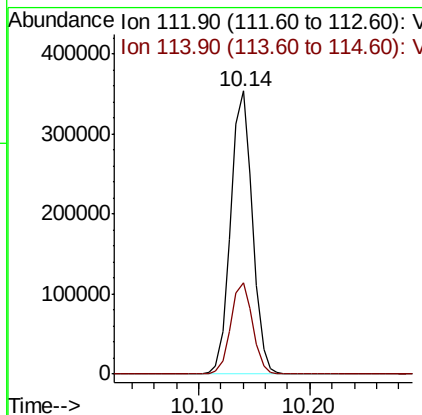
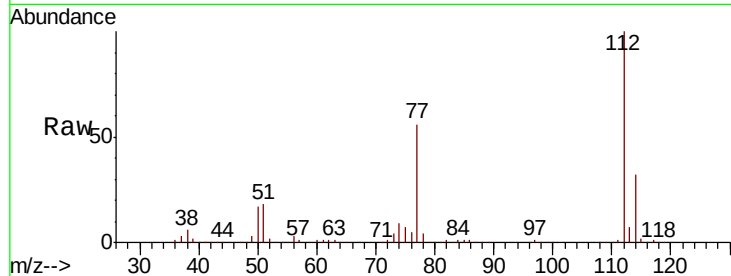
#65
Chlorobenzene
Concen: 45.81 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 477511
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4

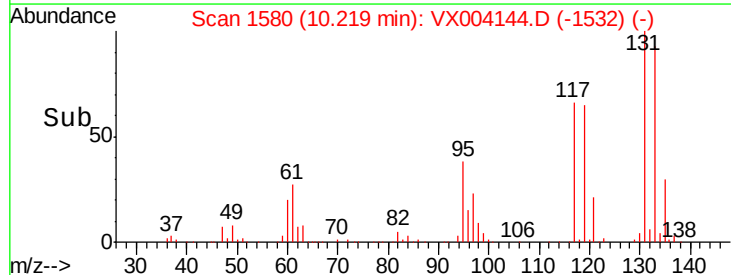
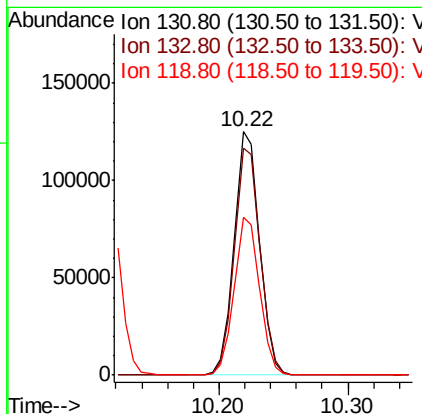
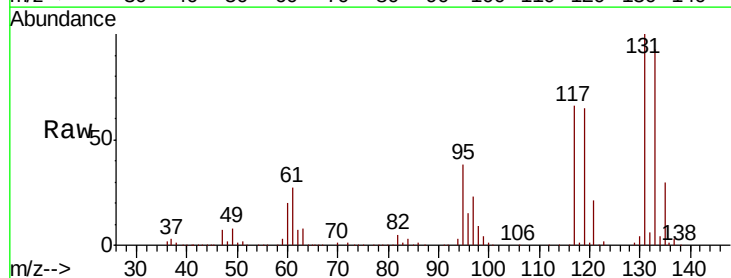
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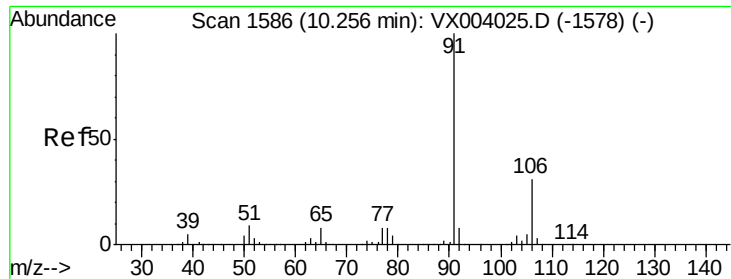
MMDadoda
8/21/2018 11:30:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.40 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion:131 Resp: 172072
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 65.2 31.6 94.8





#67

Ethyl Benzene

Concen: 46.53 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 768032

Ion Ratio Lower Upper

91 100

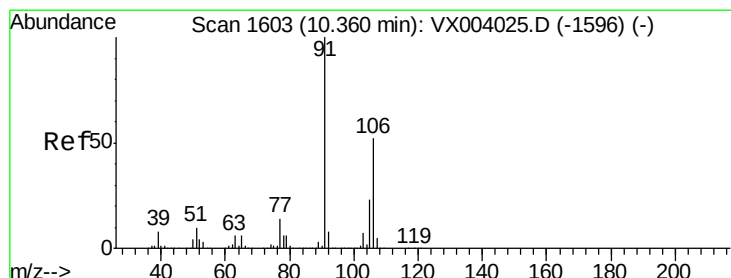
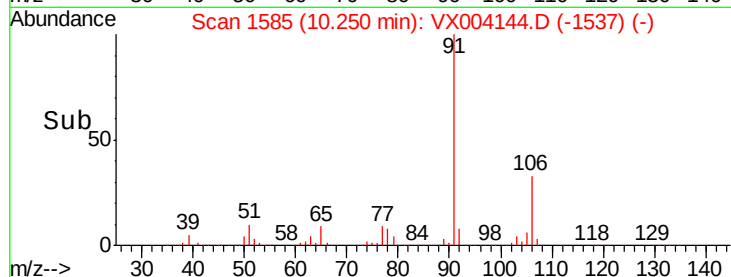
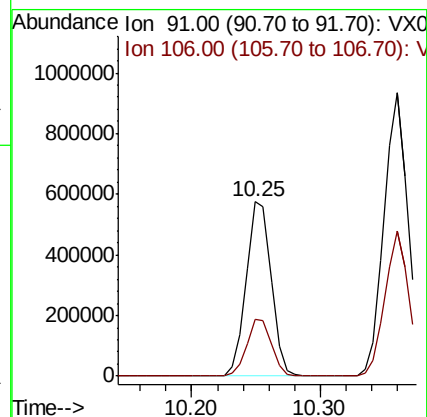
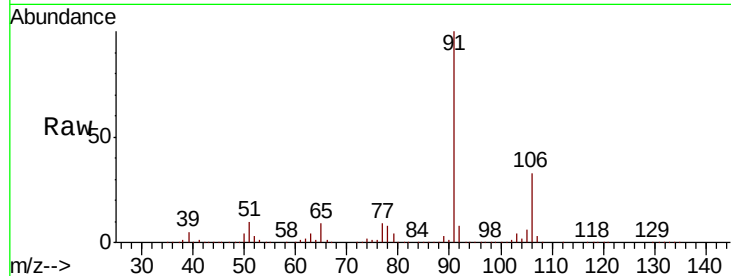
106 33.0 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 94.51 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004144.D

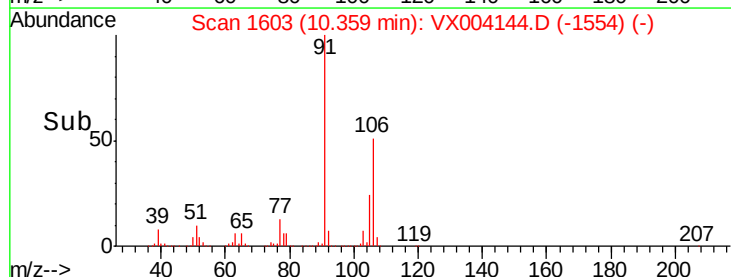
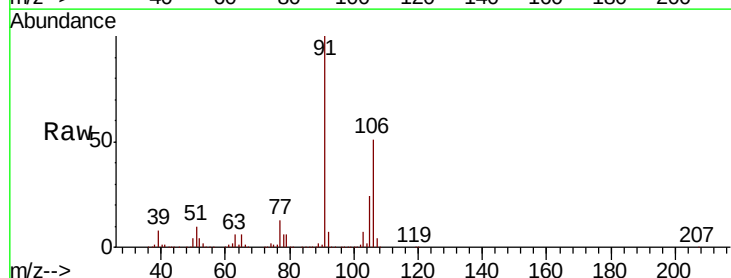
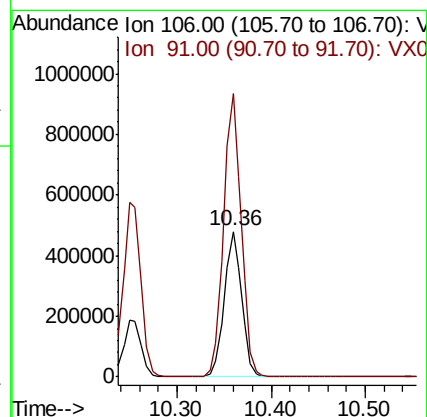
Acq: 20 Aug 2018 10:16

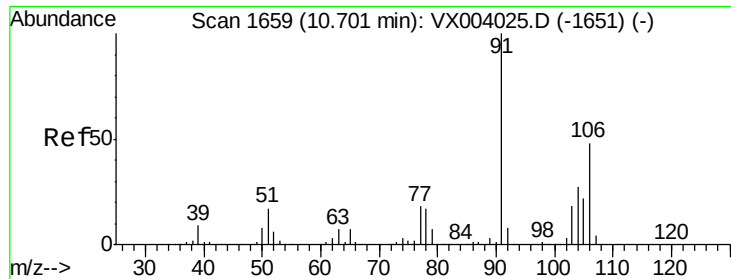
Tgt Ion: 106 Resp: 610950

Ion Ratio Lower Upper

106 100

91 197.8 162.3 243.5





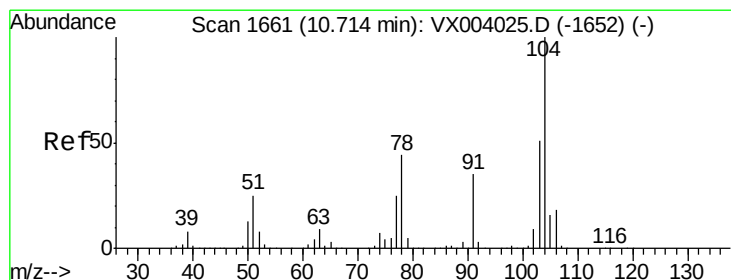
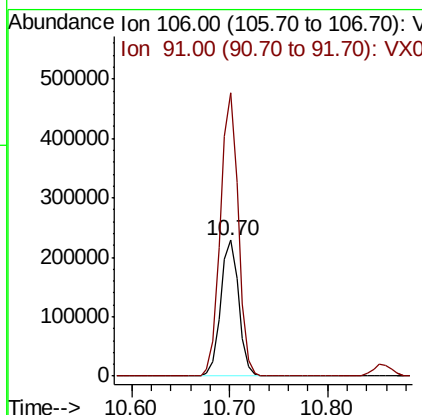
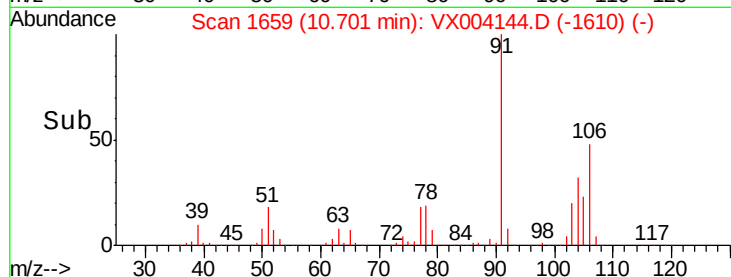
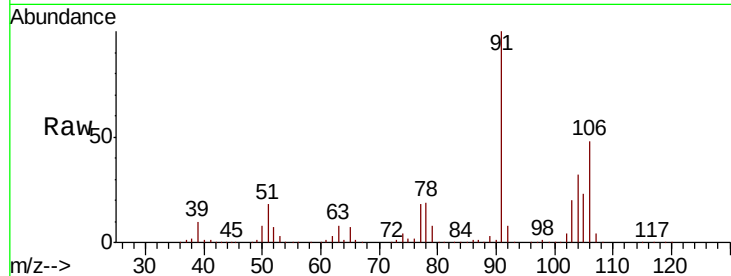
#69
o-Xylene
Concen: 47.30 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.1	101.9	305.7

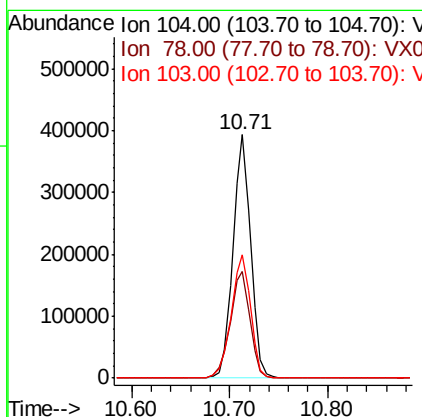
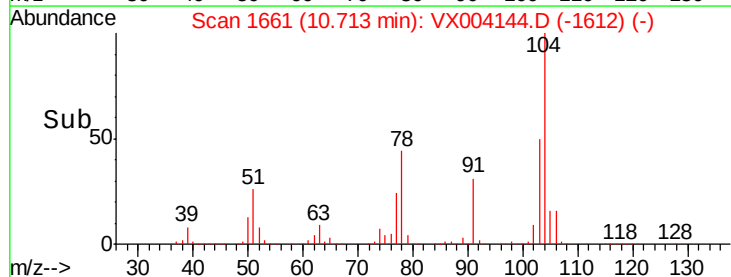
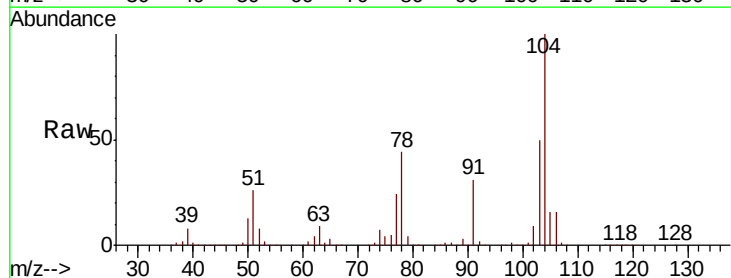
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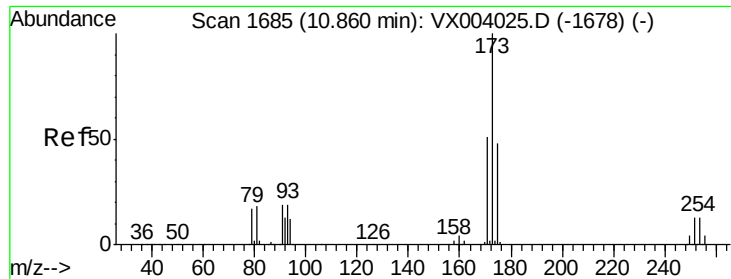
MMDadoda
8/21/2018 11:30:43 AM



#70
Styrene
Concen: 47.35 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.8	59.6
103	55.5	44.3	66.5





#71

Bromoform

Concen: 46.27 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 130448

Ion Ratio Lower Upper

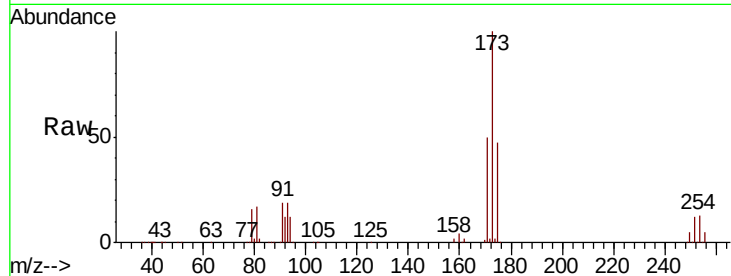
173 100

175 49.1 24.9 74.7

254 0.1 0.2 0.2#

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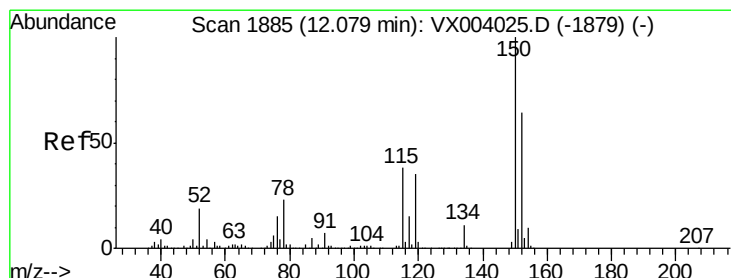
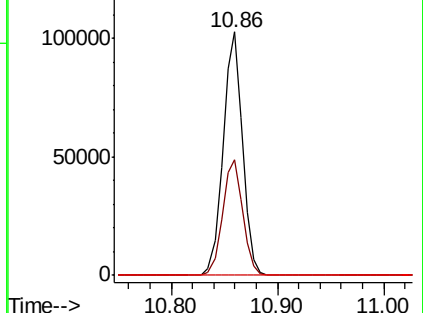
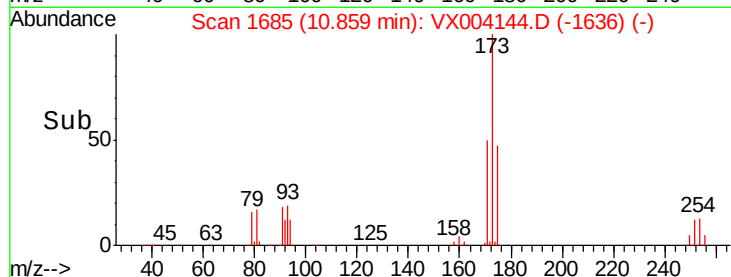
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

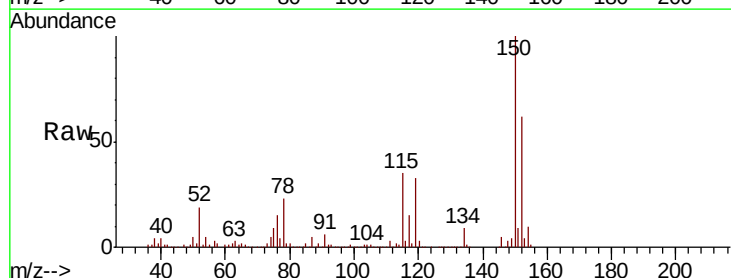
Tgt Ion:152 Resp: 252501

Ion Ratio Lower Upper

152 100

115 74.2 39.1 117.3

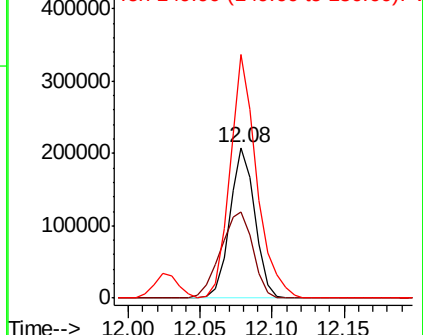
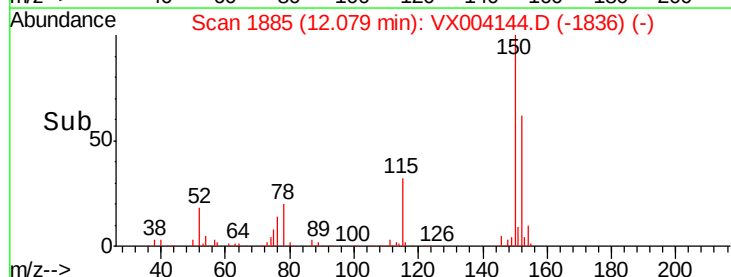
150 172.8 0.0 349.2

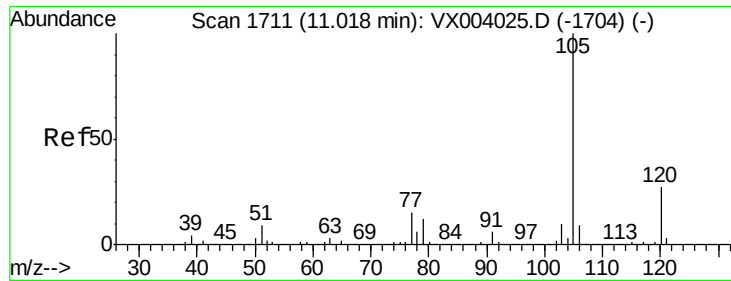


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.73 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 747314

Ion Ratio Lower Upper

105 100

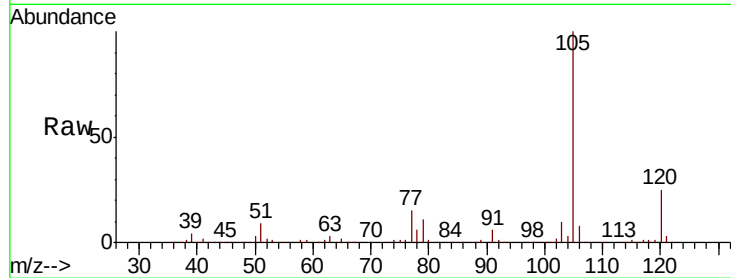
120 26.4 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

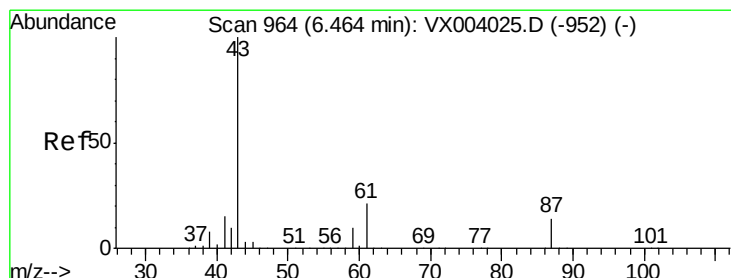
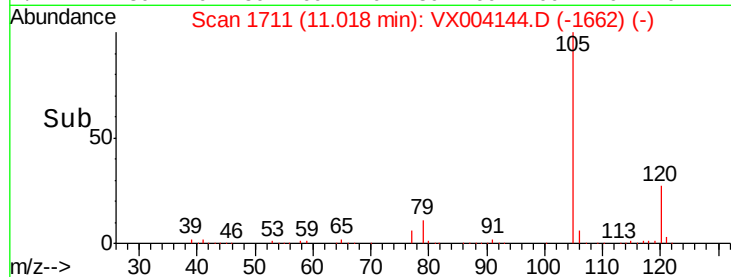
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 42.88 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 344661

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1

61 20.8 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

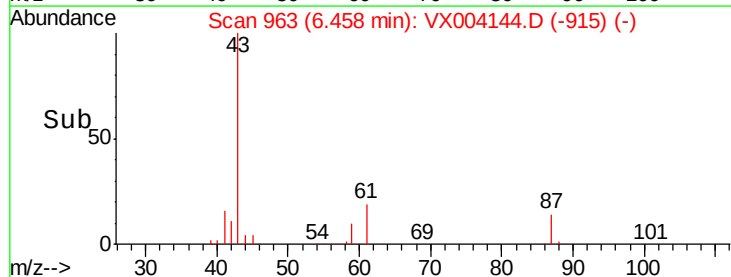
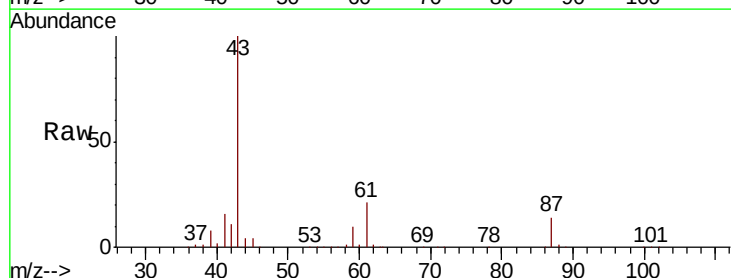
150000

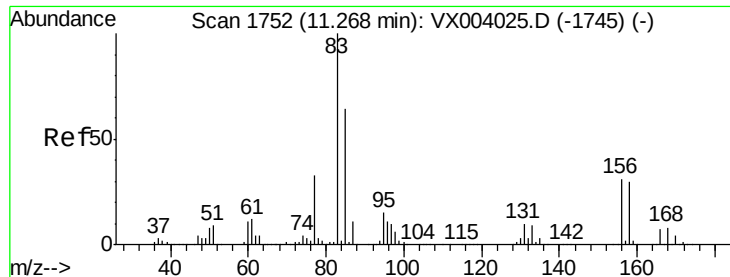
100000

50000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 42.74 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

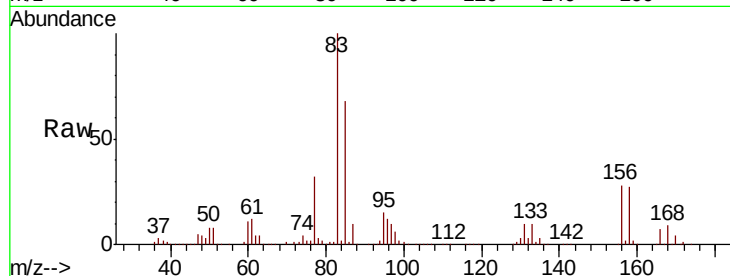
ClientSampled :

VSTDCCC050

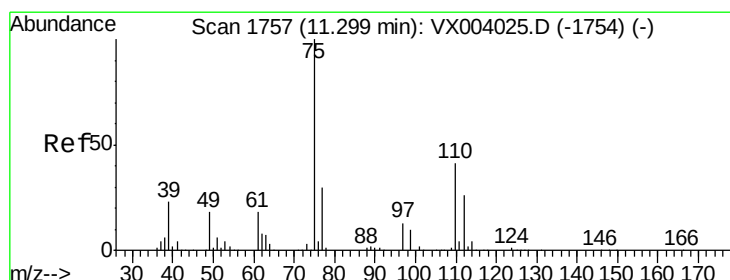
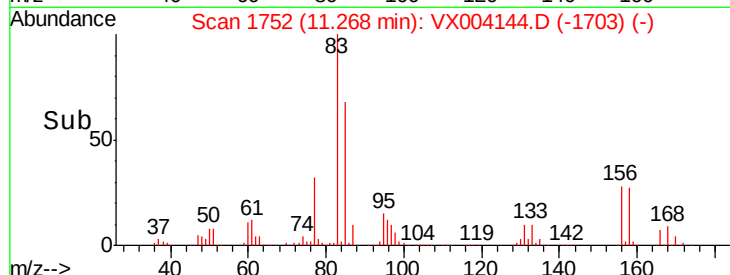
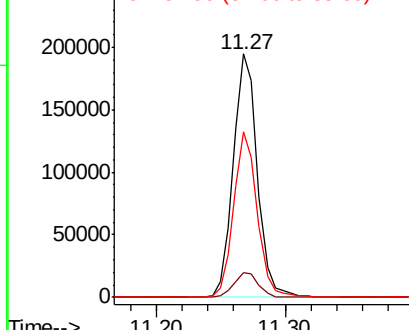
Tot Ion:	83	Resp:	255016
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	66.1	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.91 ug/l m

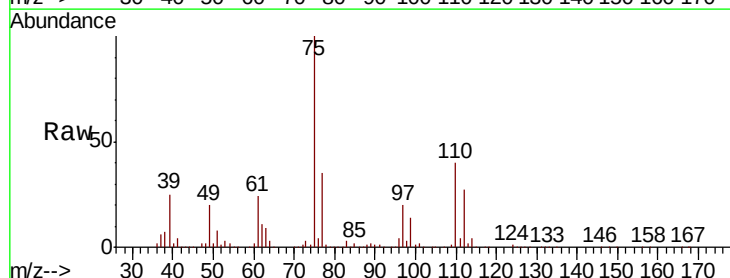
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

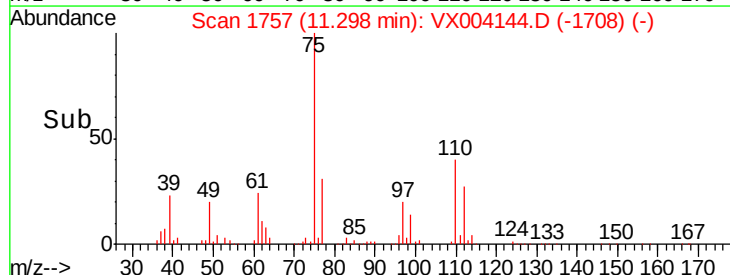
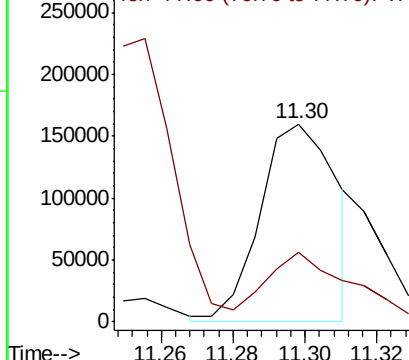
Lab File: VX004144.D

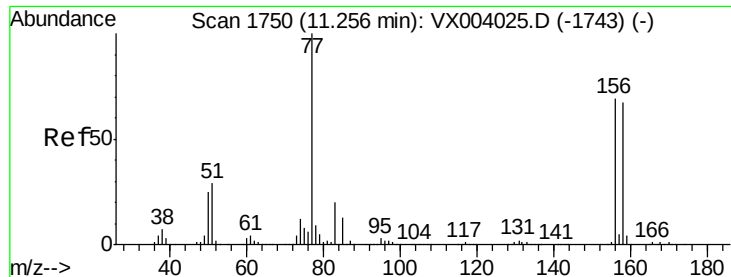
Acq: 20 Aug 2018 10:16

Tgt Ion:	75	Resp:	237548
Ion Ratio	Lower	Upper	
75	100		
77	38.9	20.8	62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 42.93 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

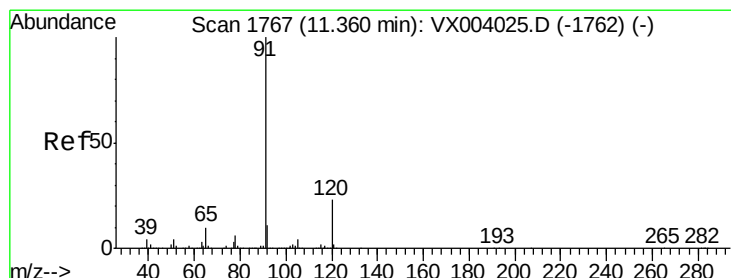
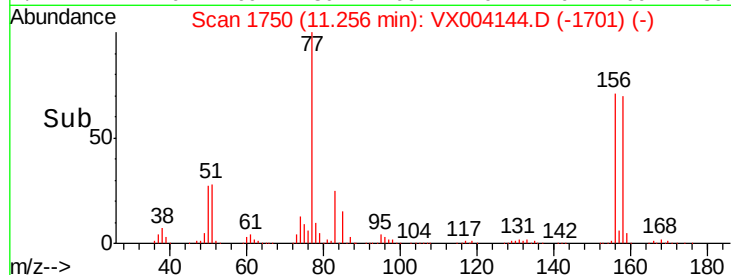
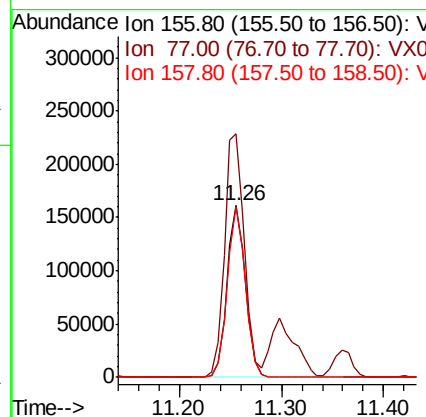
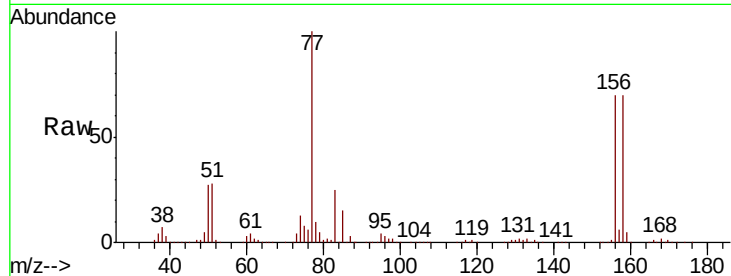
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	202227
Ion Ratio	Lower	Upper	
156	100		
77	153.4	74.1	222.2
158	98.0	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 44.23 ug/l

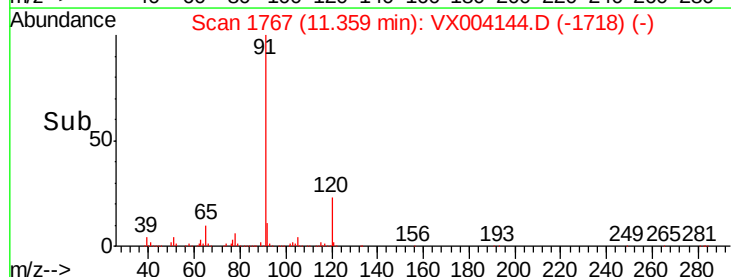
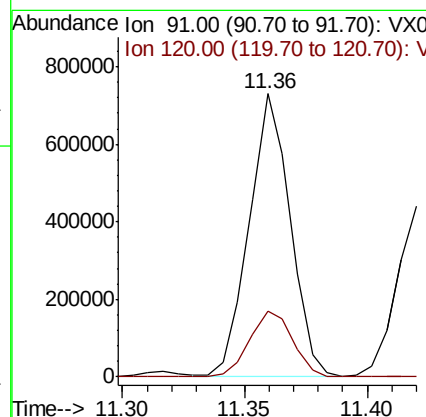
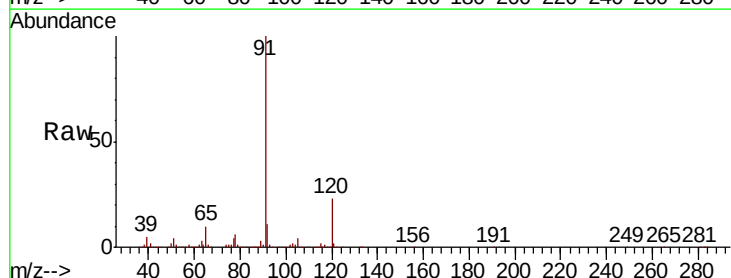
RT: 11.36 min Scan# 1767

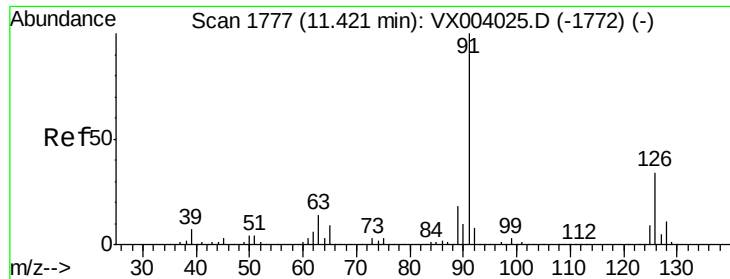
Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	91	Resp:	845739
Ion Ratio	Lower	Upper	
91	100		
120	24.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 45.25 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 527337

Ion Ratio Lower Upper

91 100

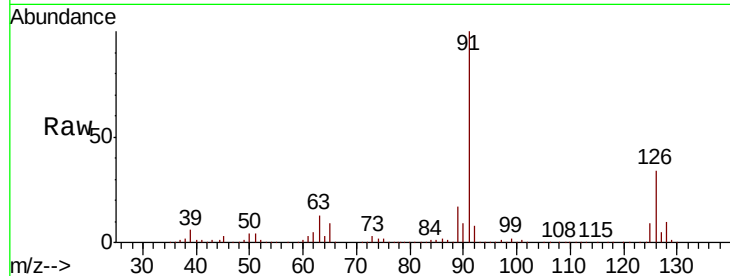
126 35.2 17.4 52.3

Manual Integrations

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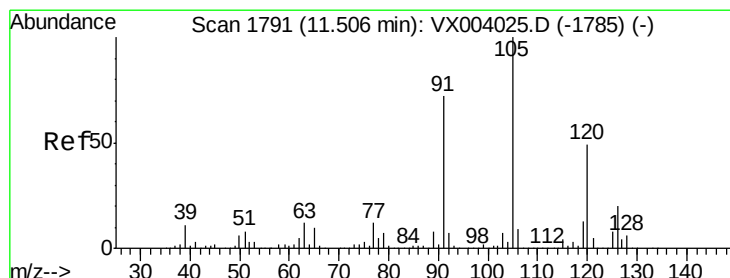
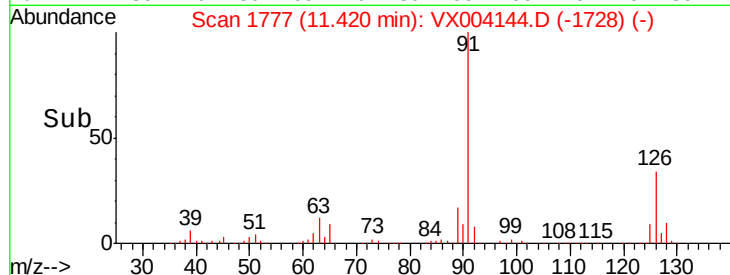
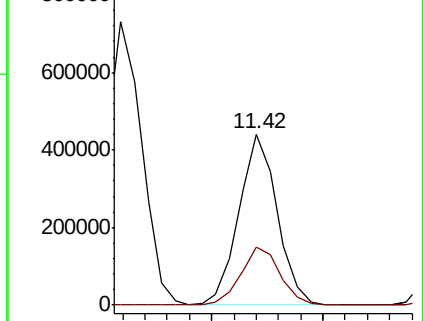
MMDadoda

8/21/2018 11:30:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 44.97 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004144.D

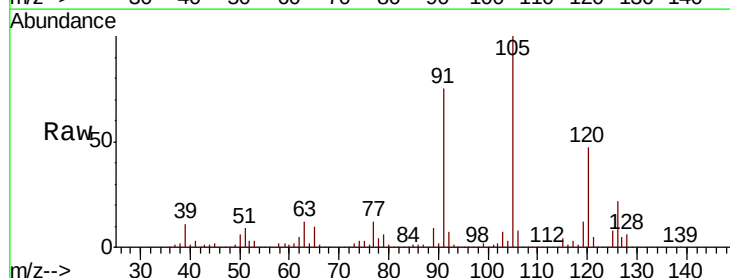
Acq: 20 Aug 2018 10:16

Tgt Ion:105 Resp: 629137

Ion Ratio Lower Upper

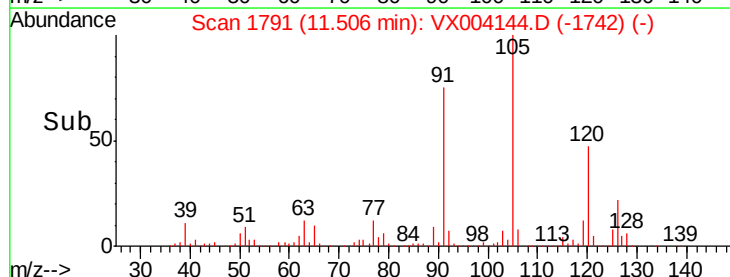
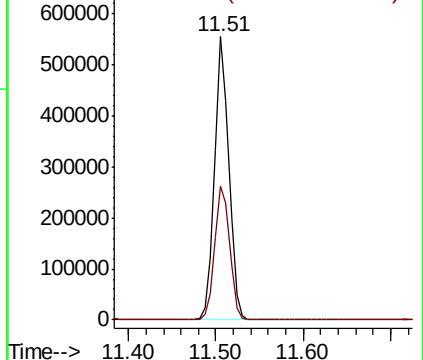
105 100

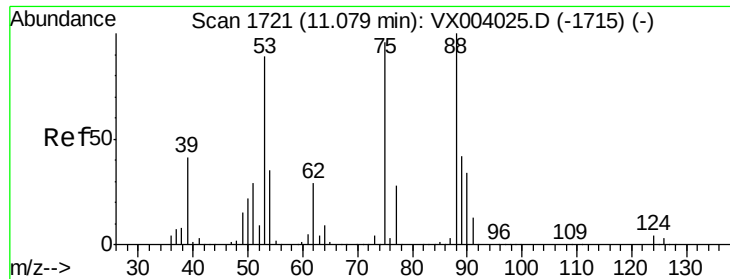
120 49.2 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





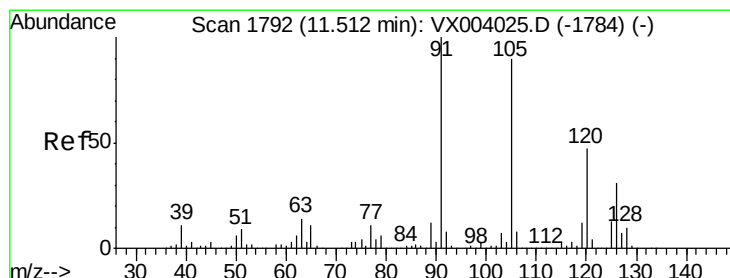
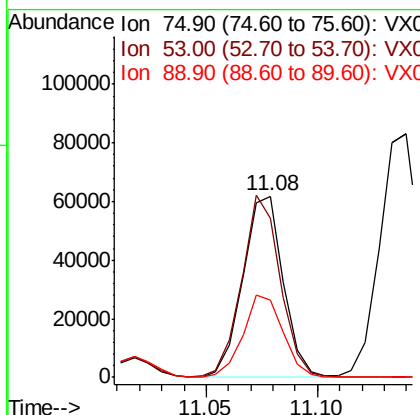
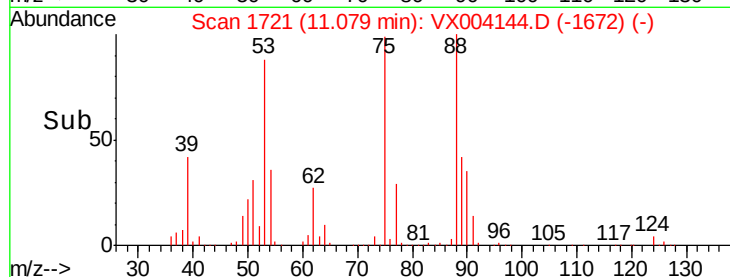
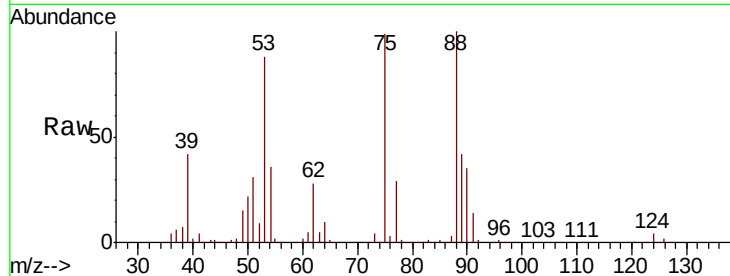
#81
trans-1,4-Dichloro-2-butene
Concen: 47.48 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	80.3	120.5
89	45.6	37.8	56.8

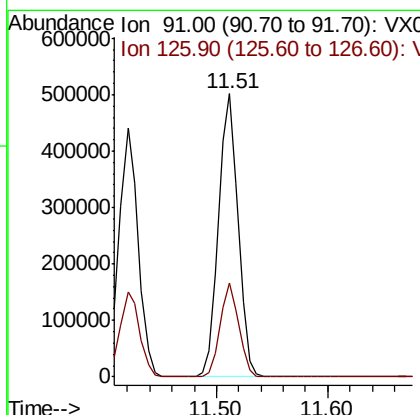
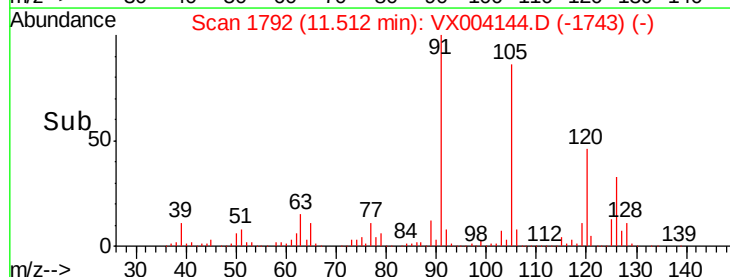
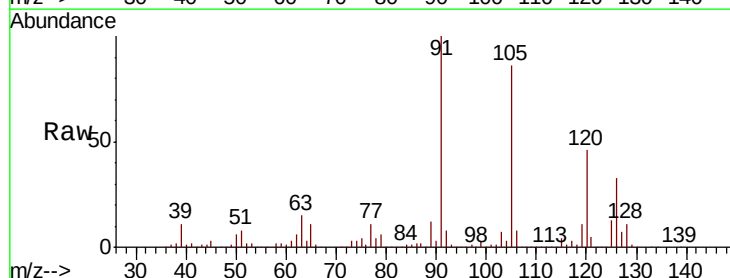
Manual Integrations
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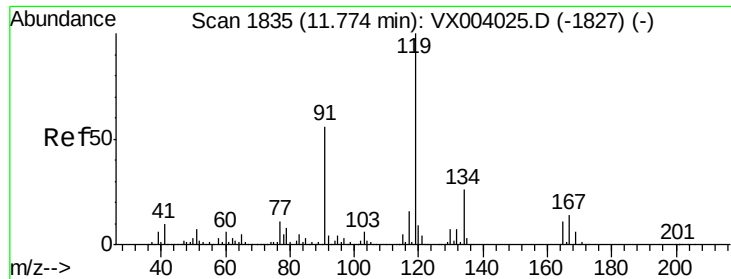
MMDadoda
8/21/2018 11:30:43 AM



#82
4-Chlorotoluene
Concen: 44.23 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.7





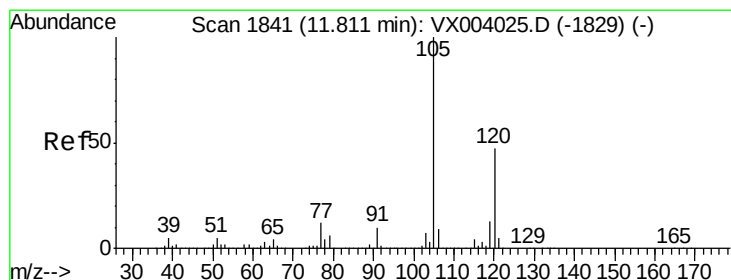
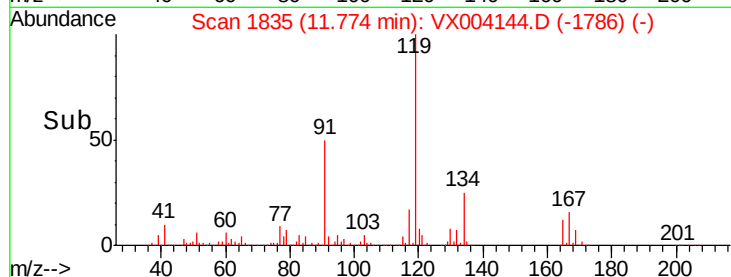
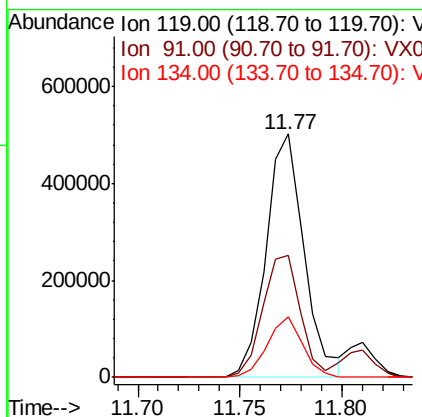
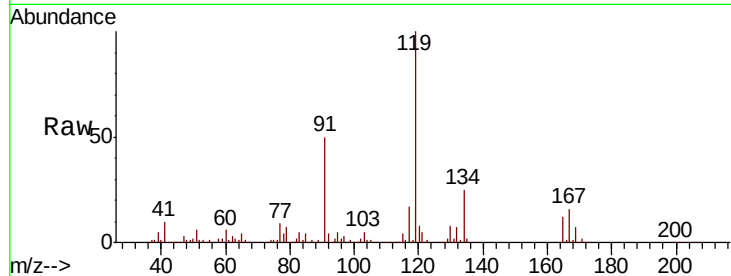
#83
tert-Butylbenzene
Concen: 46.11 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	50.1	26.9	80.7
134	23.0	12.0	36.0

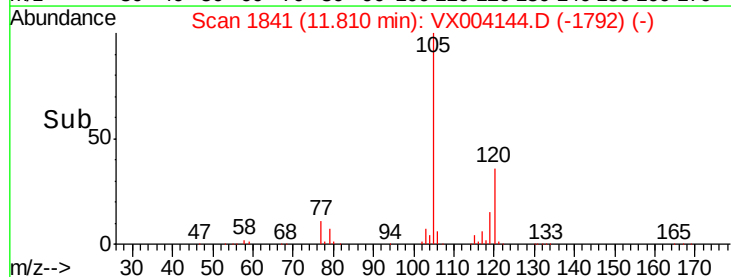
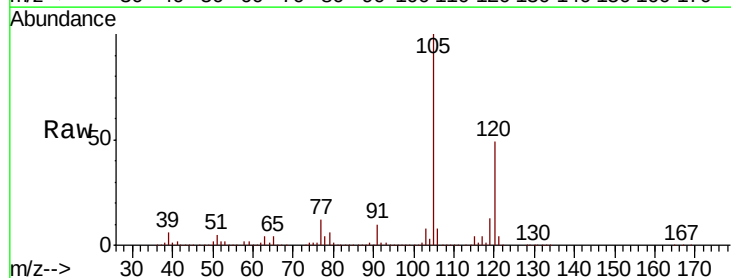
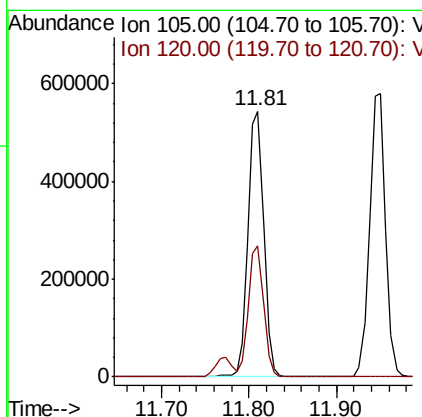
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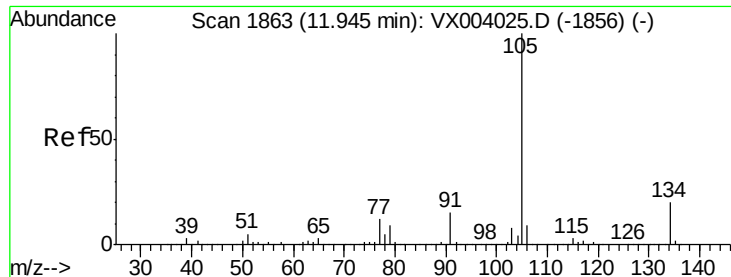
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8/21/2018 11:30:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 46.43 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 44.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 742000

Ion Ratio Lower Upper

105 100

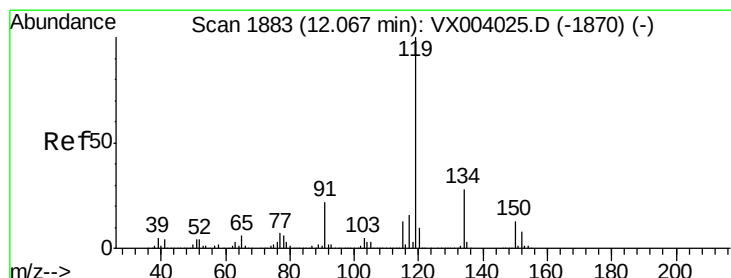
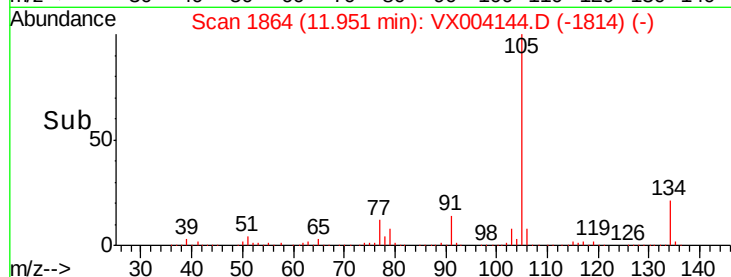
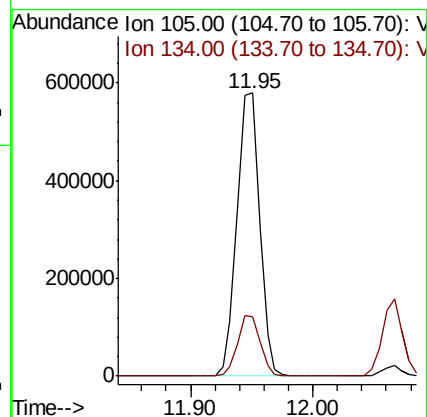
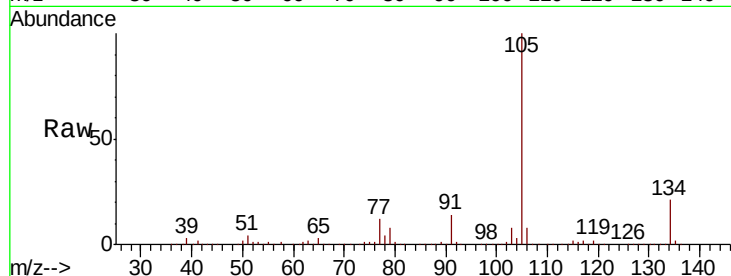
134 21.0 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.34 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

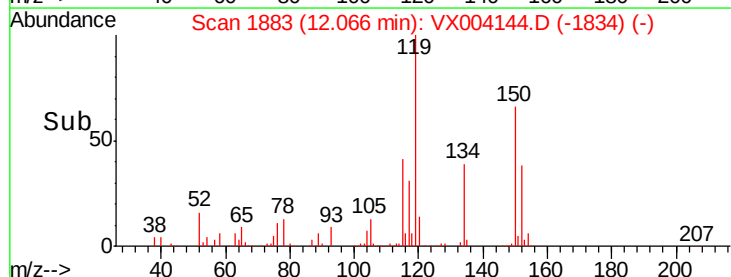
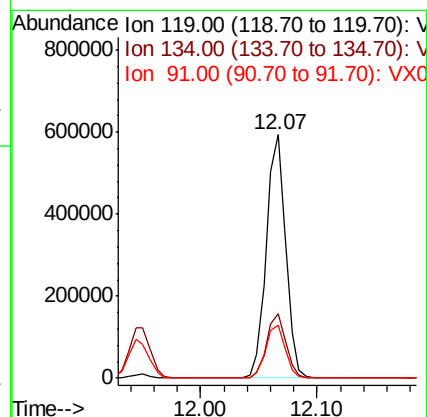
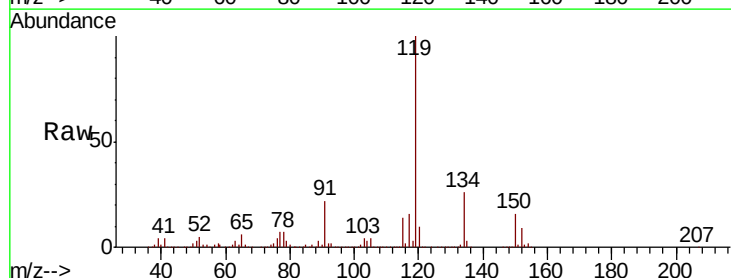
Tgt Ion:119 Resp: 692672

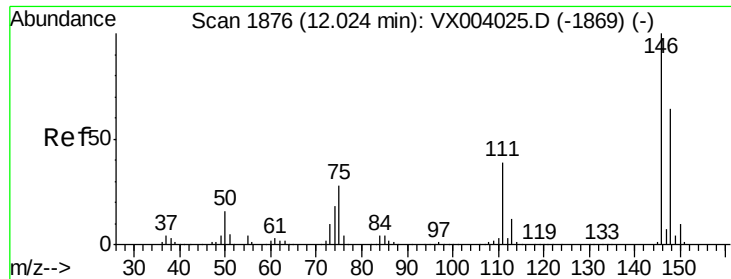
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.2 10.9 32.7





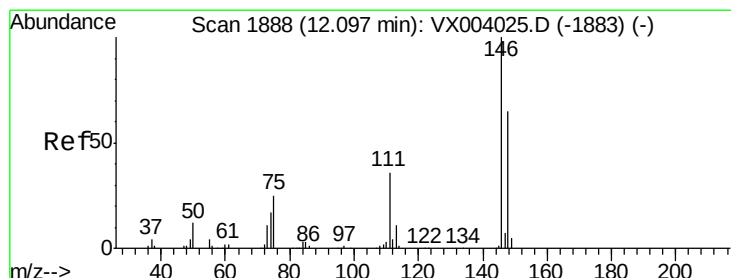
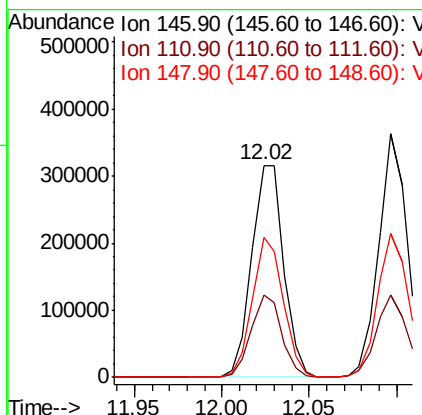
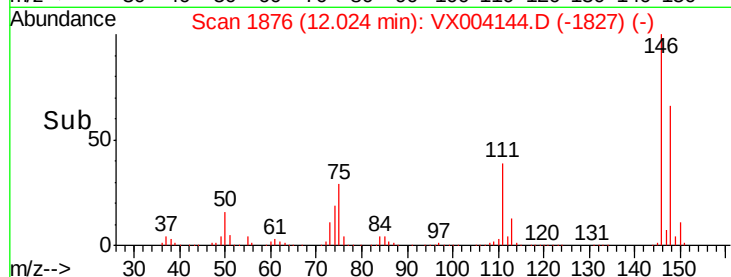
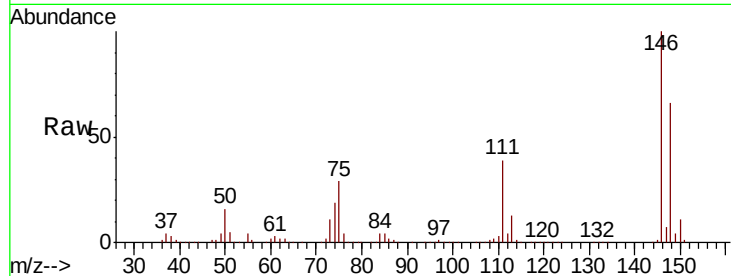
#87
 1,3-Dichlorobenzene
 Concen: 44.90 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	63.5	31.9	95.5

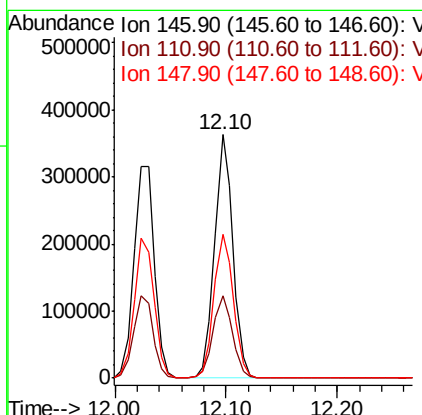
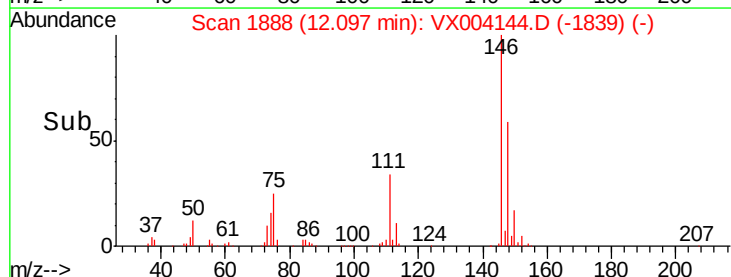
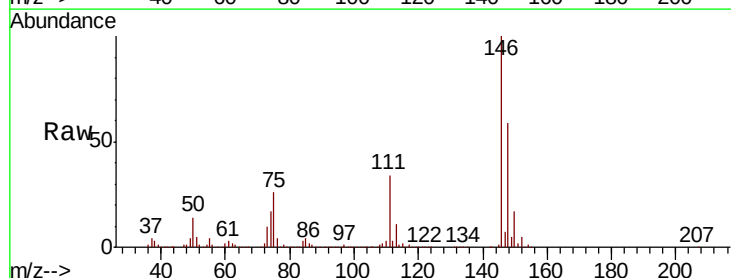
Manual Integrations
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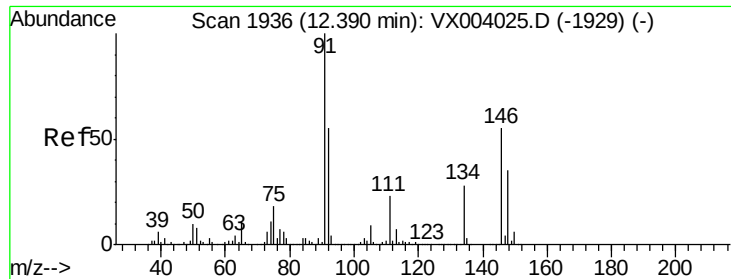
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#88
 1,4-Dichlorobenzene
 Concen: 44.77 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.0
148	62.9	32.3	96.8





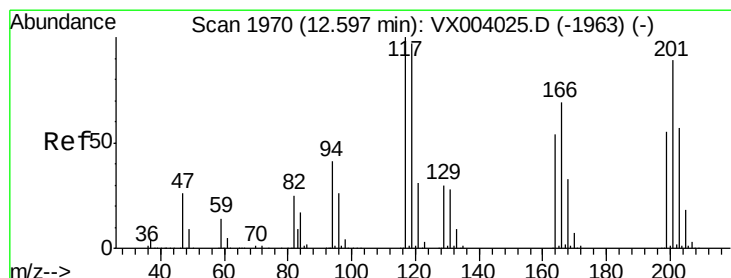
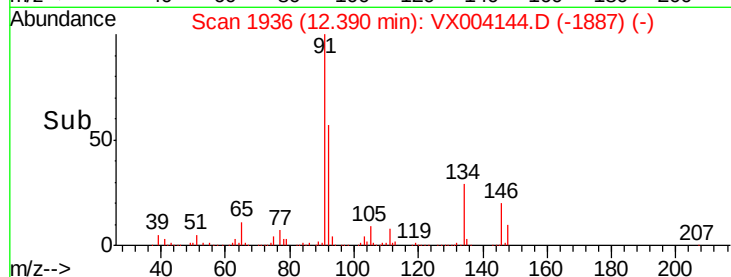
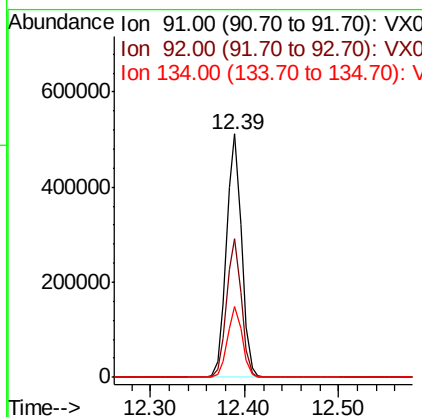
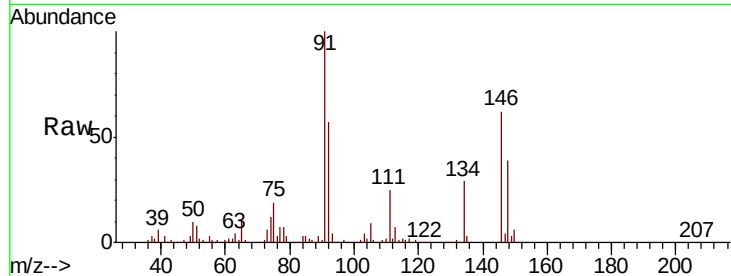
#89
n-Butylbenzene
Concen: 48.40 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.7	27.1	81.3	
134	28.3	13.6	40.7	

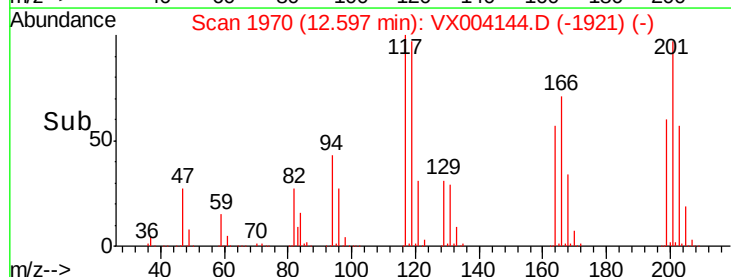
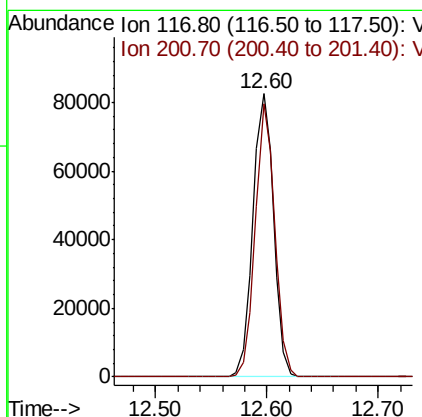
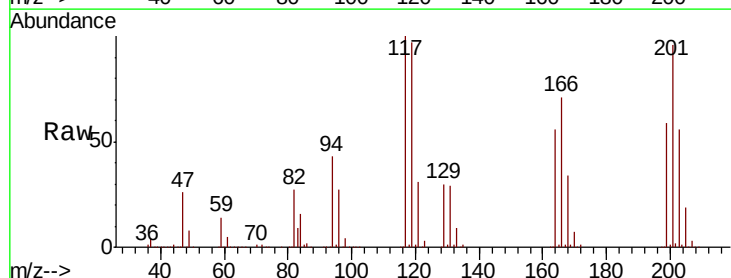
Manual Integrations
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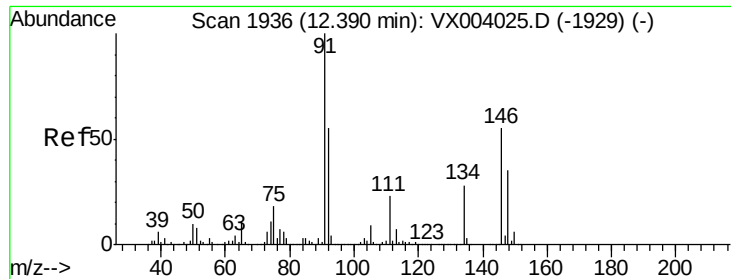
MMDadoda
8/21/2018 11:30:43 AM



#90
Hexachloroethane
Concen: 47.81 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

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





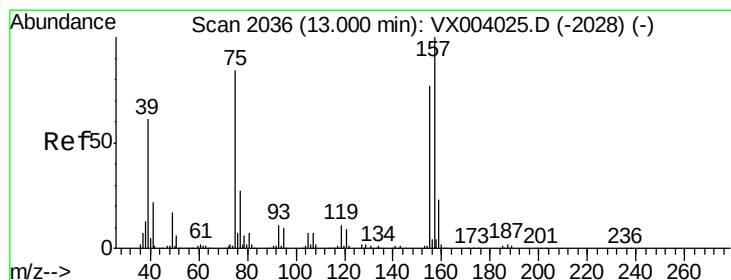
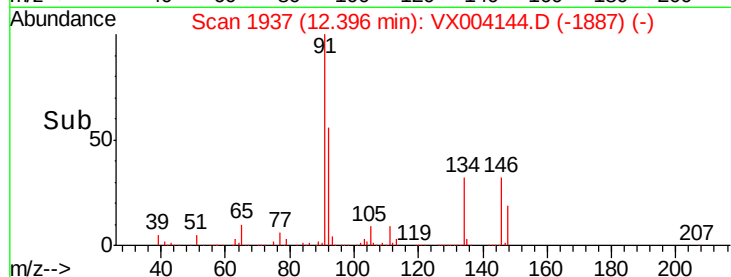
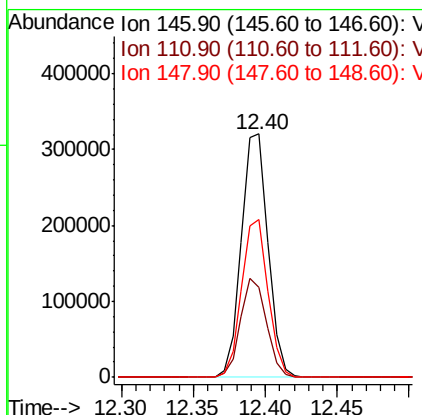
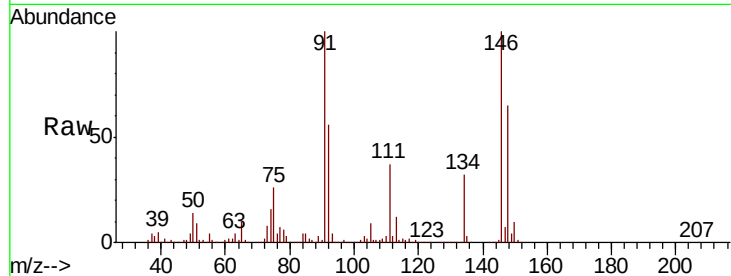
#91
 1,2-Dichlorobenzene
 Concen: 50.93 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	412661		
111	39.5	19.7	59.0	
148	64.2	31.9	95.5	

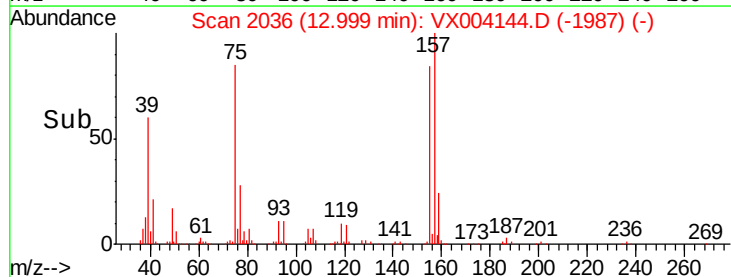
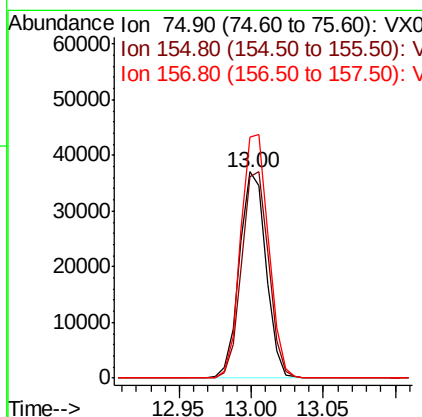
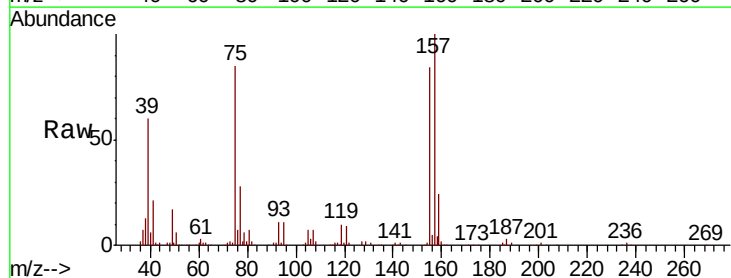
Manual Integrations
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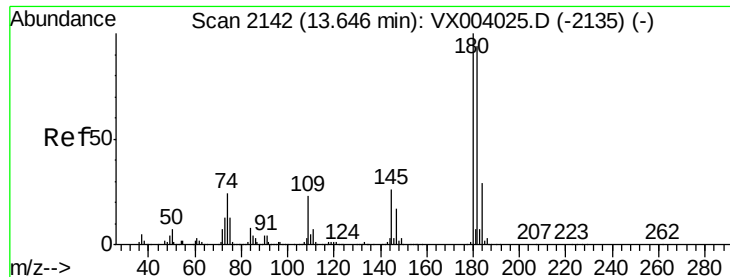
MMDadoda
 8/21/2018 11:30:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.42 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47636		
155	100.7	48.7	146.1	
157	122.9	62.6	187.8	





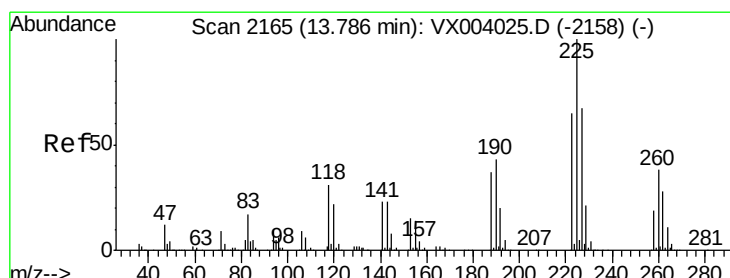
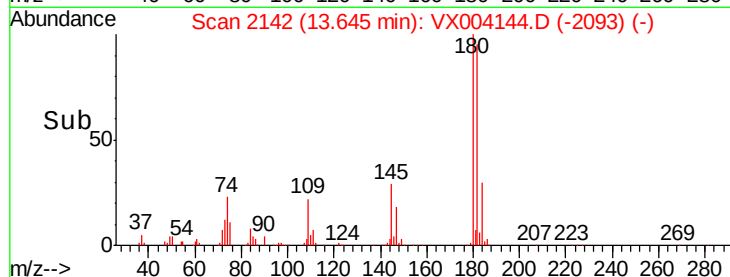
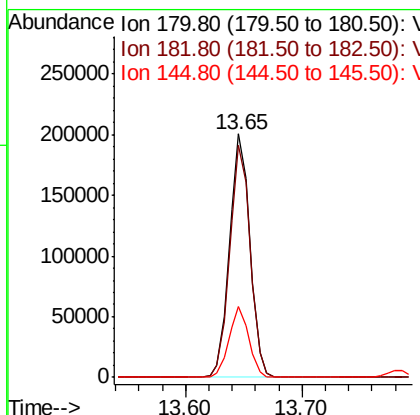
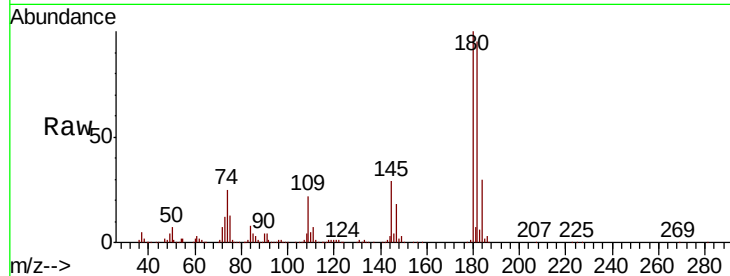
#93
 1,2,4-Trichlorobenzene
 Concen: 44.04 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	243894		
182	95.7	47.7	143.1	
145	28.1	13.9	41.6	

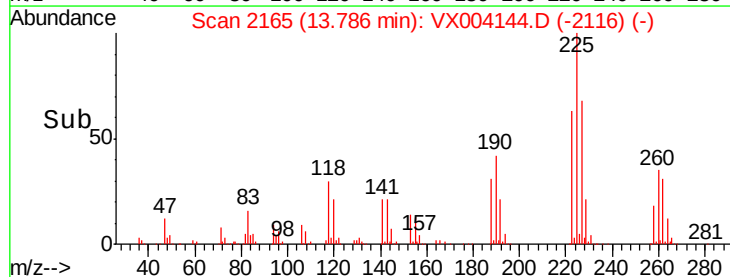
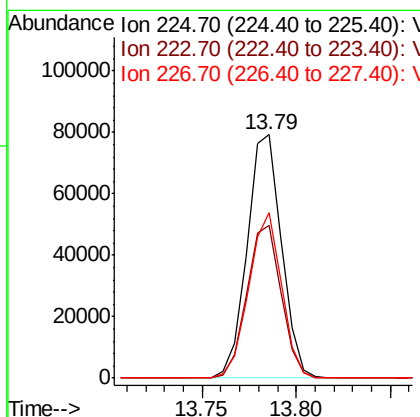
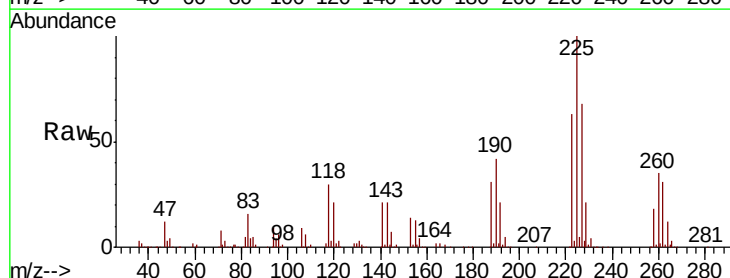
Manual Integrations
 APPROVED

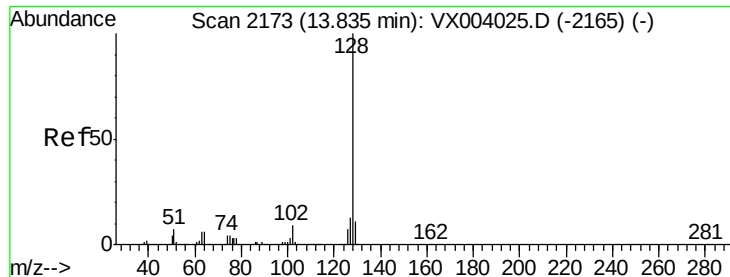
MMDadoda
 8/21/2018 11:30:43 AM



#94
 Hexachlorobutadiene
 Concen: 36.06 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100108		
223	62.6	31.4	94.0	
227	64.9	32.1	96.5	





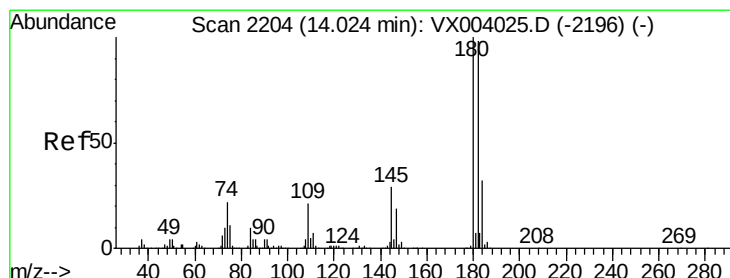
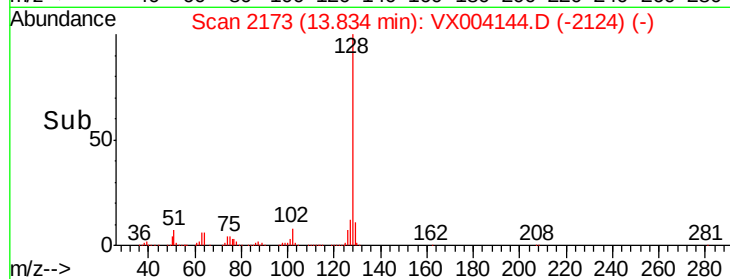
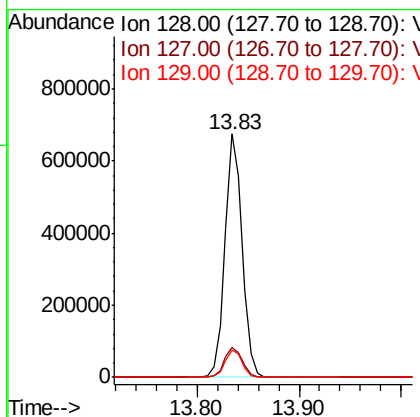
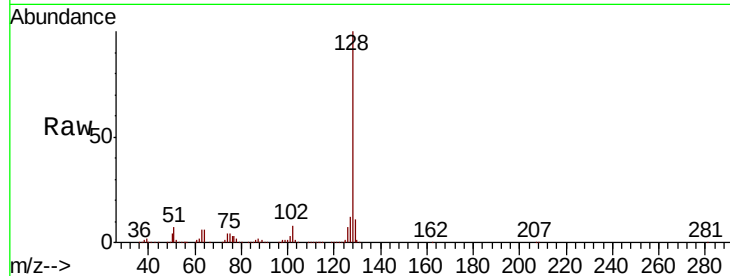
#95
Naphthalene
Concen: 44.65 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/21/2018 11:30:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.91 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.1	144.4
145	30.4	14.9	44.7

