

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002597.D
 Acq On : 15 Jun 2018 13:21
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:11:59 PM

Quant Time: Jun 15 13:49:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 13:16:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	223420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	347211	90.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.94%	
35) Dibromofluoromethane	5.51	113	278182	100.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.72%	
50) Toluene-d8	8.72	98	1066959	100.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.84%	
62) 4-Bromofluorobenzene	11.14	95	415136	101.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	242447	94.53	ug/l	99
3) Chloromethane	1.32	50	274027	81.19	ug/l	99
4) Vinyl Chloride	1.40	62	302959	93.72	ug/l	99
5) Bromomethane	1.64	94	171315	66.68	ug/l	99
6) Chloroethane	1.71	64	198333	94.85	ug/l	98
7) Trichlorofluoromethane	1.92	101	517322	105.04	ug/l	98
8) Diethyl Ether	2.19	74	185982	92.70	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	287778	108.27	ug/l	100
10) Methyl Iodide	2.51	142	400997	107.26	ug/l	99
11) Tert butyl alcohol	3.09	59	343419	434.35	ug/l	98
12) 1,1-Dichloroethene	2.37	96	262440	99.91	ug/l	99
13) Acrolein	2.29	56	171833	451.19	ug/l	100
14) Allyl chloride	2.73	41	530983	93.15	ug/l	98
15) Acrylonitrile	3.15	53	793461	471.49	ug/l	100
16) Acetone	2.45	43	752661	426.59	ug/l	100
17) Carbon Disulfide	2.56	76	679649	98.17	ug/l	98
18) Methyl Acetate	2.78	43	415818	99.89	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	975156	93.72	ug/l	99
20) Methylene Chloride	2.86	84	293006	83.58	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	284923	98.37	ug/l	97
22) Diisopropyl ether	3.88	45	932461	87.67	ug/l	99
23) Vinyl Acetate	3.83	43	3999426	432.80	ug/l	99
24) 1,1-Dichloroethane	3.70	63	470492	83.51	ug/l	100
25) 2-Butanone	4.71	43	1053477	435.46	ug/l	98
26) 2,2-Dichloropropane	4.59	77	387633	88.02	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	288933	91.72	ug/l	95
28) Bromochloromethane	5.03	49	242100	88.74	ug/l	98
29) Tetrahydrofuran	5.17	42	687563	440.81	ug/l	98
30) Chloroform	5.22	83	506477	93.16	ug/l	96
31) Cyclohexane	5.57	56	442712	99.37	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	450041	97.61	ug/l	99
36) 1,1-Dichloropropene	5.80	75	377514	101.88	ug/l	100
37) Ethyl Acetate	4.87	43	419912	94.23	ug/l	100
38) Carbon Tetrachloride	5.78	117	406221	104.79	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 13:16:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	458097	108.47	ug/l	97
40) Benzene	6.15	78	1101483	96.94	ug/l	99
41) Methacrylonitrile	5.07	41	238706	93.57	ug/l	98
42) 1,2-Dichloroethane	6.20	62	417577	92.50	ug/l	100
43) Isopropyl Acetate	6.47	43	713731	94.29	ug/l	100
44) Trichloroethene	7.21	130	326638	103.58	ug/l	99
45) 1,2-Dichloropropane	7.52	63	291081	94.90	ug/l	99
46) Dibromomethane	7.67	93	198682	95.55	ug/l	99
47) Bromodichloromethane	7.90	83	378343	100.60	ug/l	98
48) Methyl methacrylate	7.78	41	363045	95.49	ug/l	98
49) 1,4-Dioxane	7.76	88	133351	1875.80	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	2285661	484.90	ug/l	99
52) Toluene	8.79	92	726055	100.47	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	459547	101.90	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	439021	103.18	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	292216	98.32	ug/l	97
56) Ethyl methacrylate	9.18	69	470245	99.10	ug/l	98
57) 1,3-Dichloropropane	9.38	76	478317	95.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1113940	507.21	ug/l	99
59) 2-Hexanone	9.50	43	1748665	480.29	ug/l	98
60) Dibromochloromethane	9.59	129	323596	108.24	ug/l	99
61) 1,2-Dibromoethane	9.68	107	310740	100.27	ug/l	99
64) Tetrachloroethene	9.34	164	370228	105.13	ug/l	98
65) Chlorobenzene	10.14	112	836280	98.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	311239	101.16	ug/l	99
67) Ethyl Benzene	10.26	91	1431439	100.67	ug/l	99
68) m/p-Xylenes	10.36	106	1123154	203.19	ug/l	100
69) o-Xylene	10.70	106	549300	99.86	ug/l	98
70) Styrene	10.72	104	933502	103.81	ug/l	99
71) Bromoform	10.86	173	260603	106.84	ug/l	100
73) Isopropylbenzene	11.02	105	1498539	96.42	ug/l	100
74) N-amyl acetate	6.47	43	713731	85.23	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	434814	88.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	376302m	76.76	ug/l	
77) Bromobenzene	11.26	156	412029	94.43	ug/l	97
78) n-propylbenzene	11.37	91	1728409	100.05	ug/l	100
79) 2-Chlorotoluene	11.43	91	999122	91.60	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1279389	95.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	132323	94.61	ug/l	99
82) 4-Chlorotoluene	11.51	91	1214659	96.48	ug/l	99
83) tert-Butylbenzene	11.77	119	1239759	95.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1306616	95.22	ug/l	100
85) sec-Butylbenzene	11.95	105	1548796	101.77	ug/l	100
86) p-Isopropyltoluene	12.07	119	1407281	101.52	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	754163	96.67	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	763757	94.98	ug/l	99
89) n-Butylbenzene	12.39	91	1265674	108.87	ug/l	99
90) Hexachloroethane	12.60	117	217780	98.42	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	760235	94.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	104195	97.47	ug/l	98

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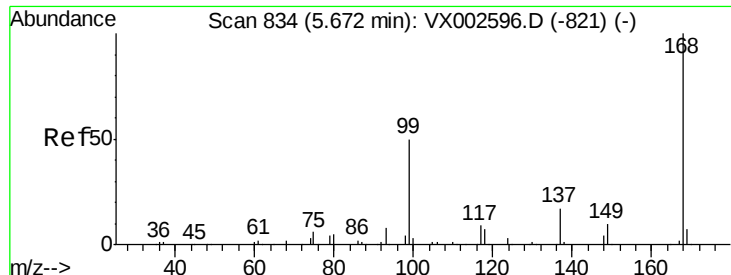
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	575078	101.60	ug/l	100
94) Hexachlorobutadiene	13.79	225	308115	110.16	ug/l	98
95) Naphthalene	13.84	128	1566828	96.35	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	568905	98.56	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 246735

Ion Ratio Lower Upper

168 100

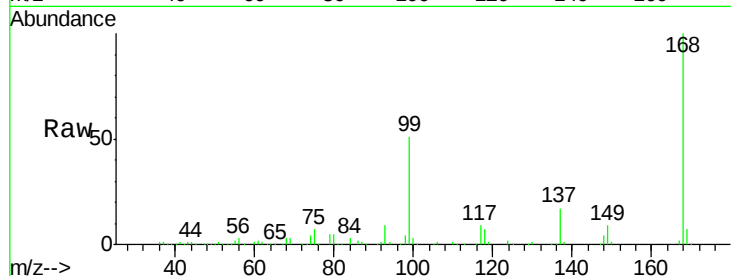
99 50.3 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

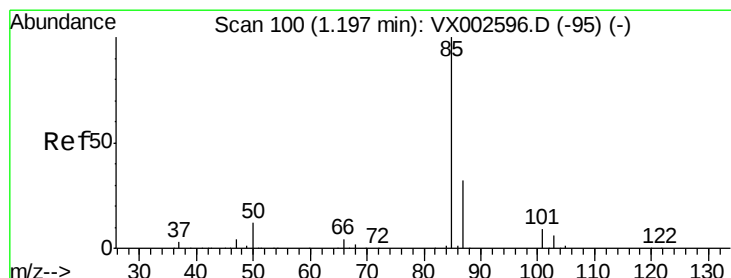
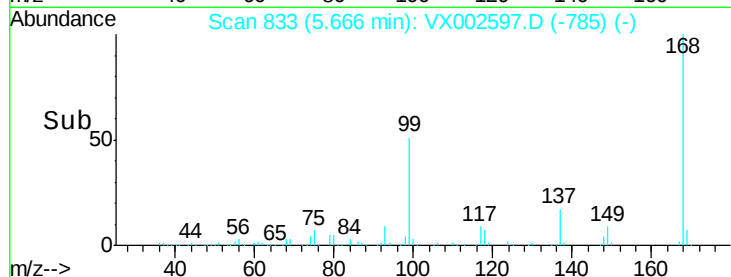
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 94.53 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002597.D

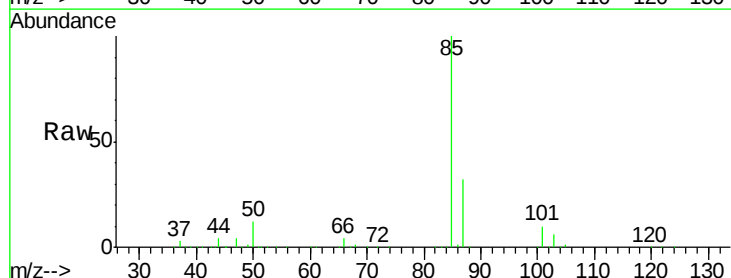
Acq: 15 Jun 2018 13:21

Tgt Ion: 85 Resp: 242447

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

150000

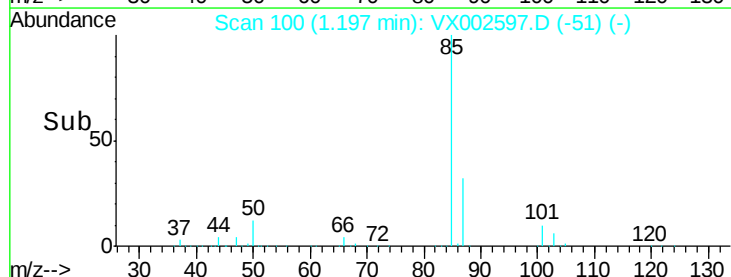
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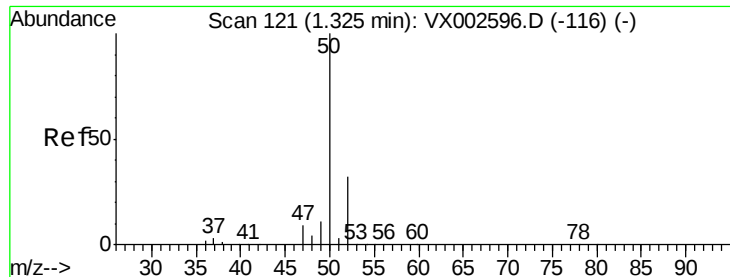
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 81.19 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 50 Resp: 274027

Ion Ratio Lower Upper

50 100

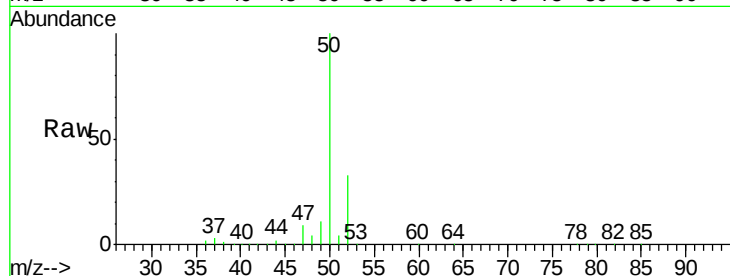
52 32.7 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250000

200000

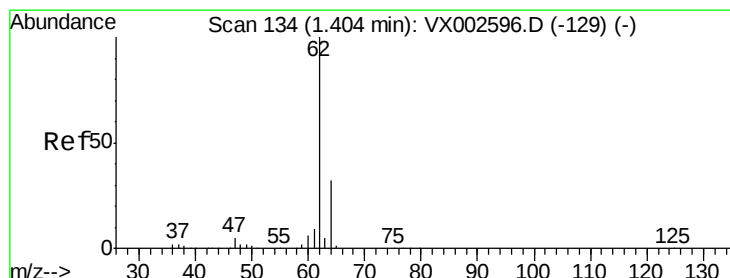
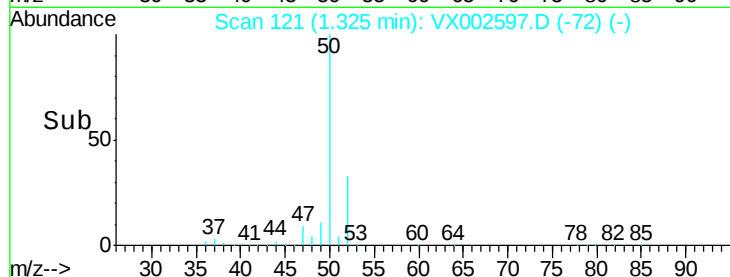
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 93.72 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002597.D

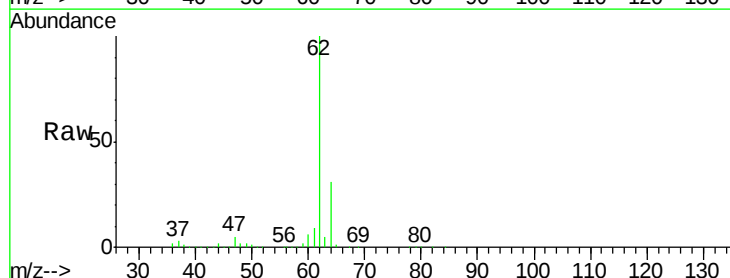
Acq: 15 Jun 2018 13:21

Tgt Ion: 62 Resp: 302959

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

300000

250000

200000

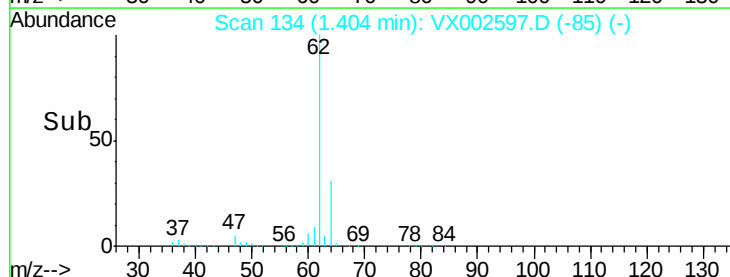
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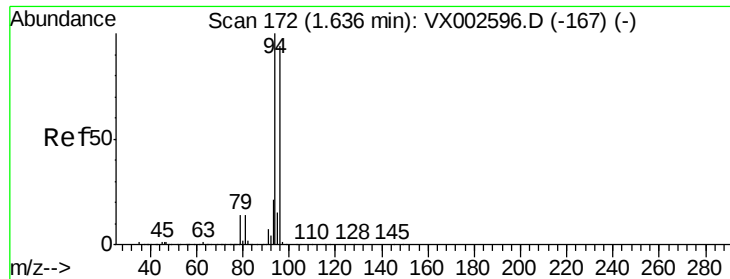
100000

50000

0

Time--> 1.40 1.50





#5

Bromomethane

Concen: 66.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 171315

Ion Ratio Lower Upper

94 100

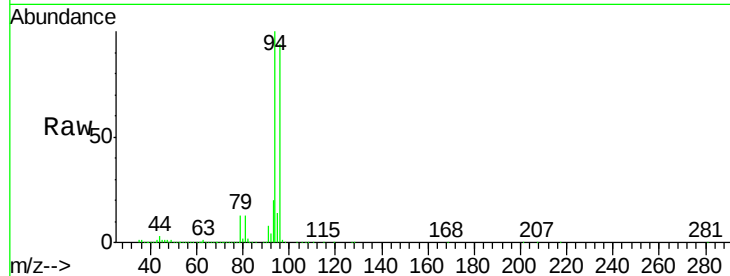
96 94.2 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

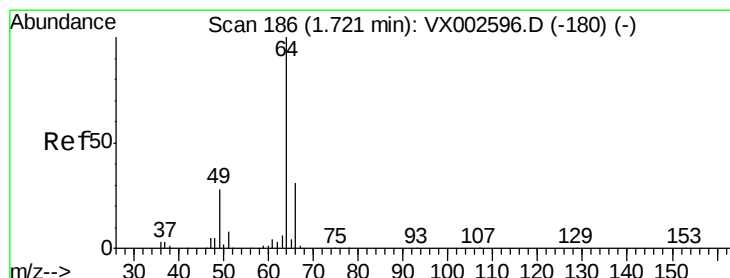
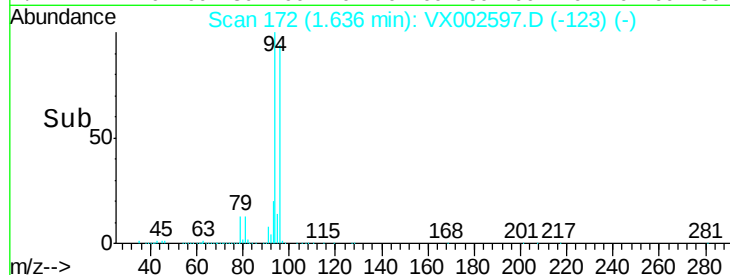
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 94.85 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002597.D

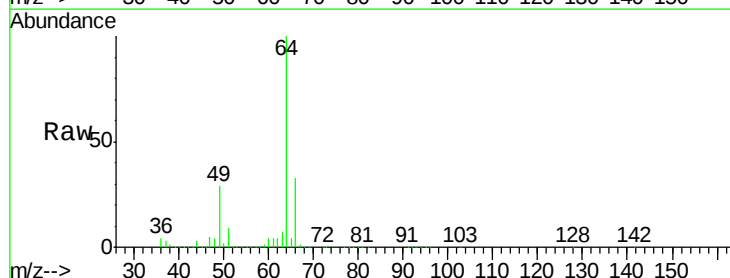
Acq: 15 Jun 2018 13:21

Tgt Ion: 64 Resp: 198333

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

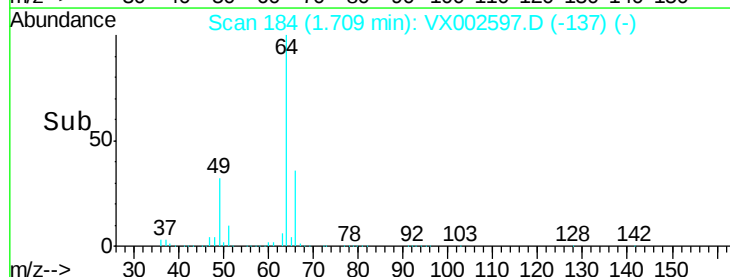
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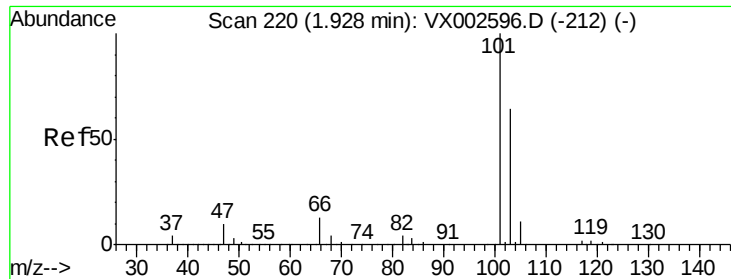
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50000

0

Time--> 1.60 1.70 1.80 1.90





#7

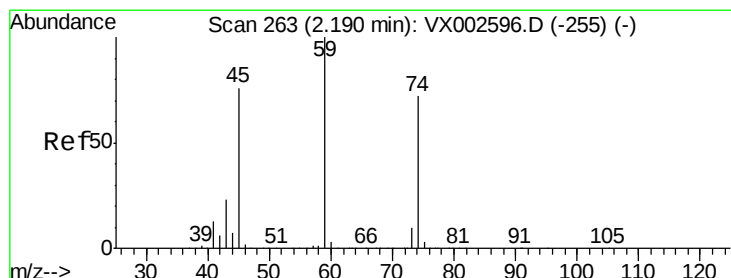
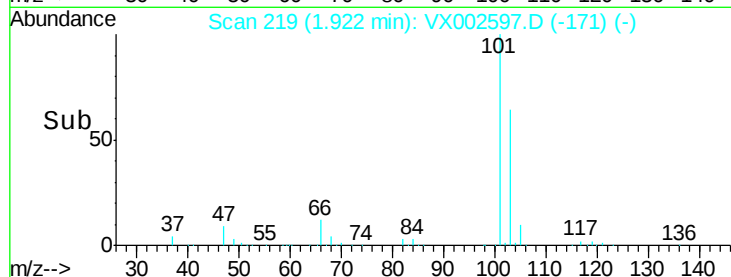
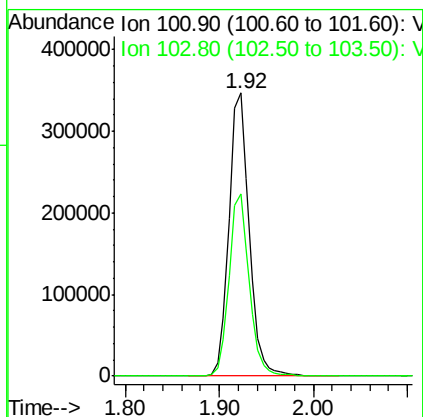
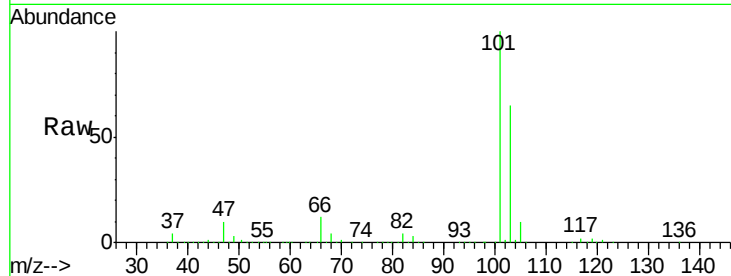
Trichlorofluoromethane
Concen: 105.04 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

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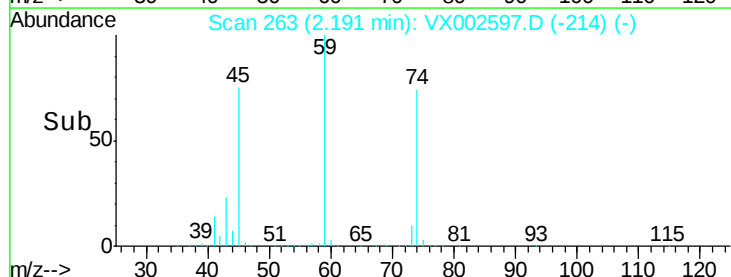
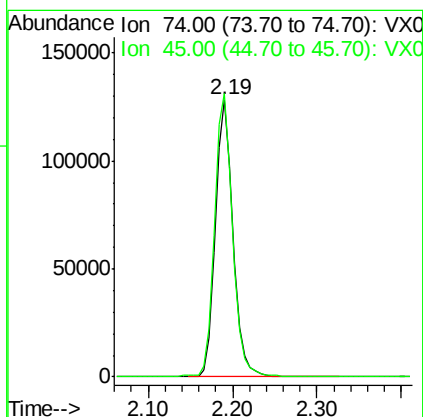
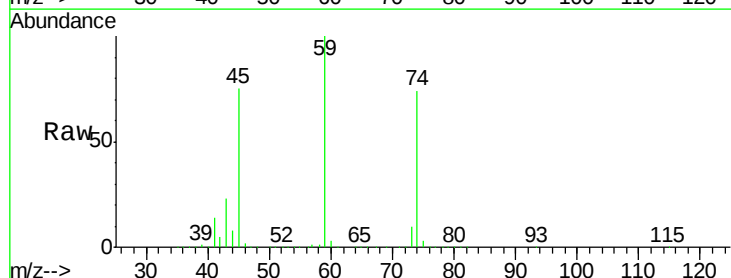
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#8

Diethyl Ether
Concen: 92.70 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.27 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

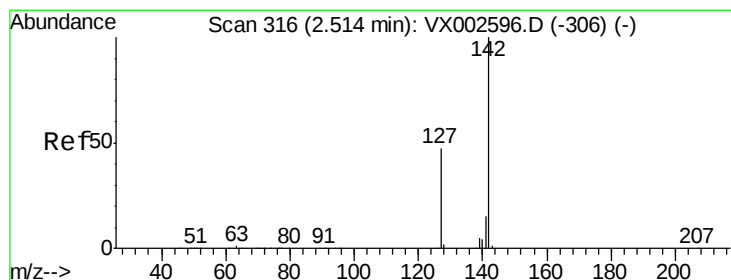
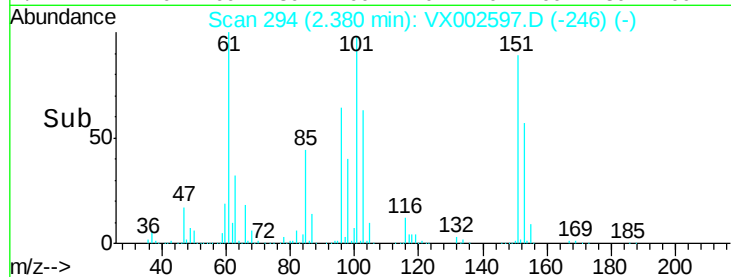
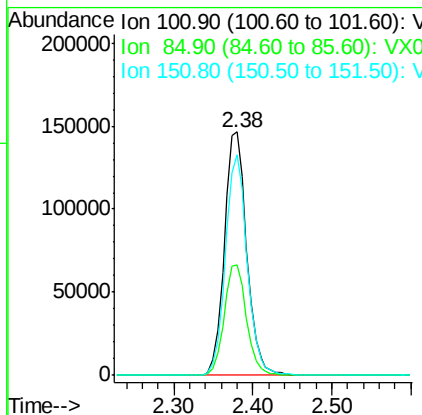
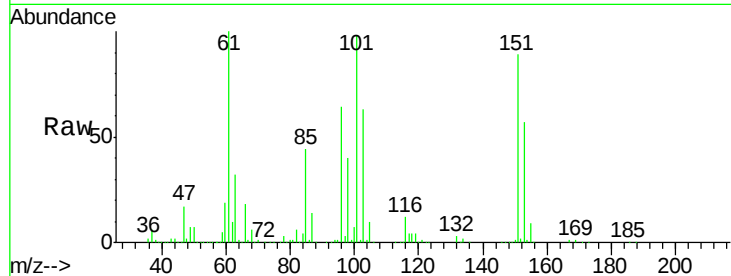
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	287778
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	88.6	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 107.26 ug/l

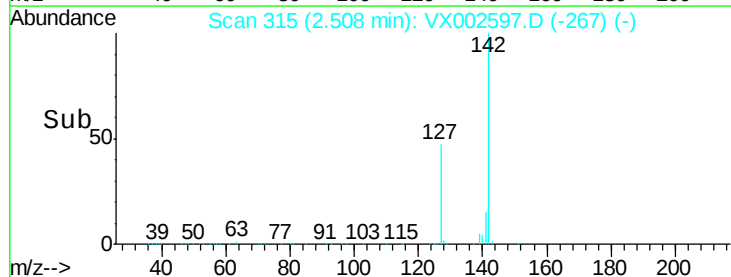
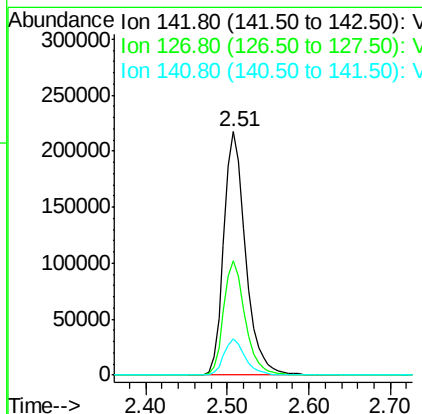
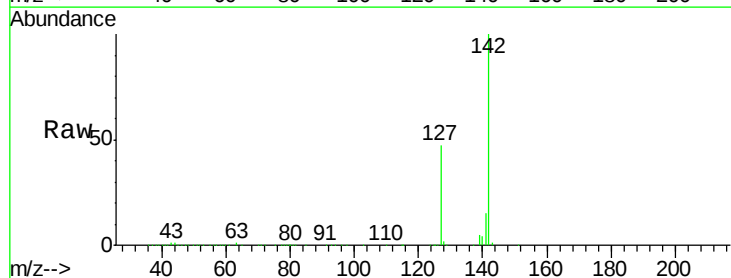
RT: 2.51 min Scan# 315

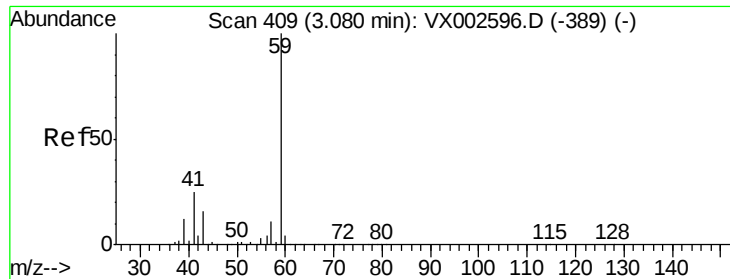
Delta R.T. -0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Tgt Ion:	142	Resp:	400997
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.6	55.0
141	14.4	11.3	16.9





#11

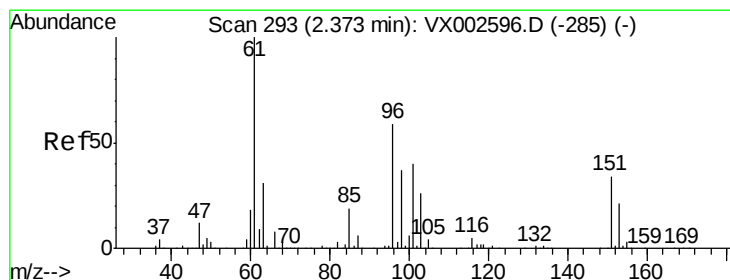
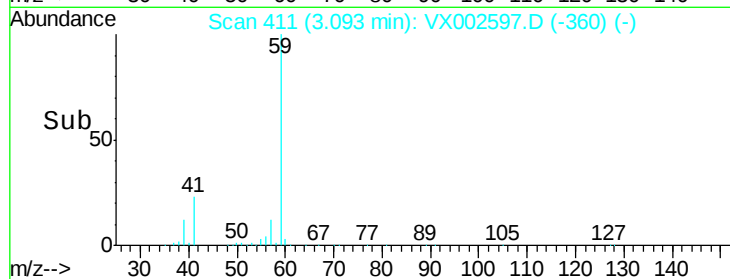
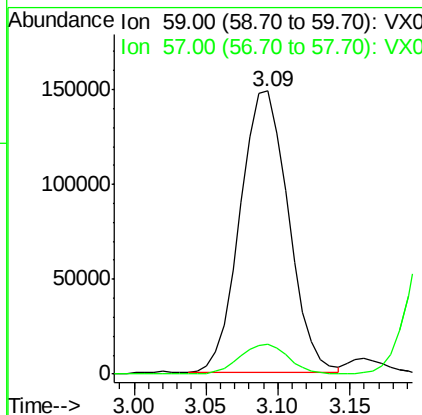
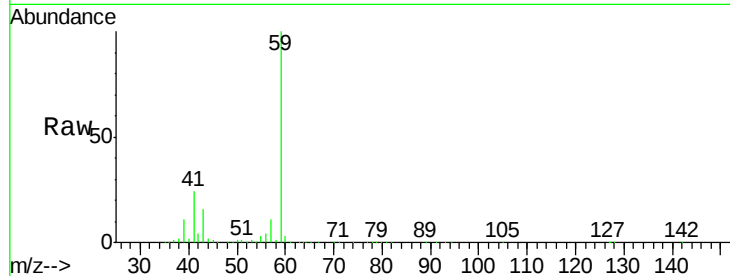
Tert butyl alcohol
Concen: 434.35 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
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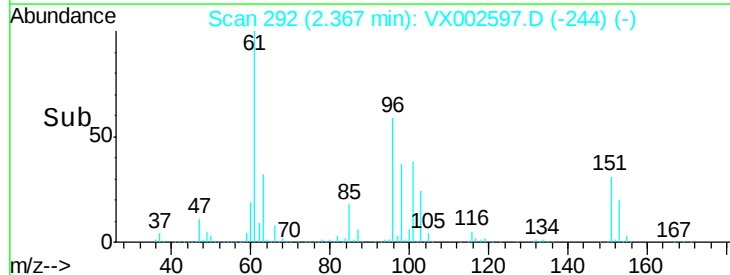
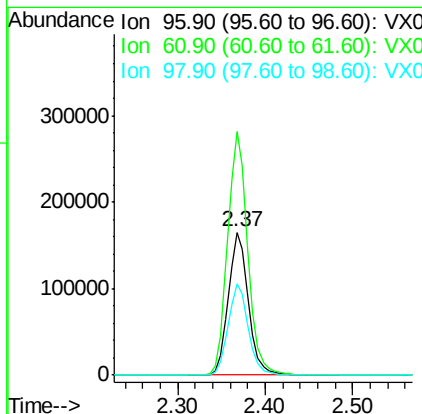
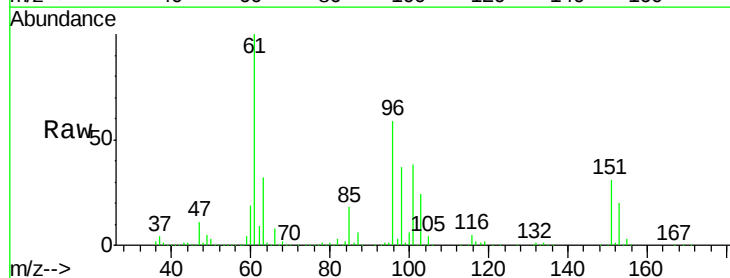
MMDadoda
6/18/2018 5:11:59 PM

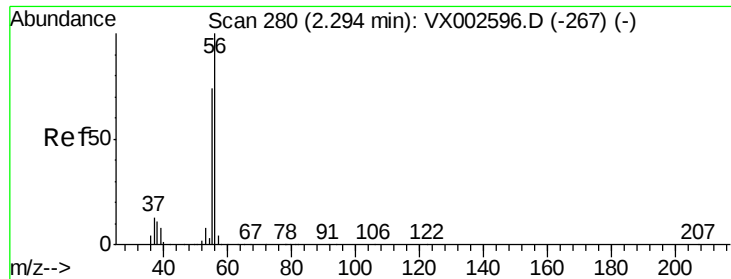


#12

1,1-Dichloroethene
Concen: 99.91 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	137.9	206.9
98	63.9	51.6	77.4





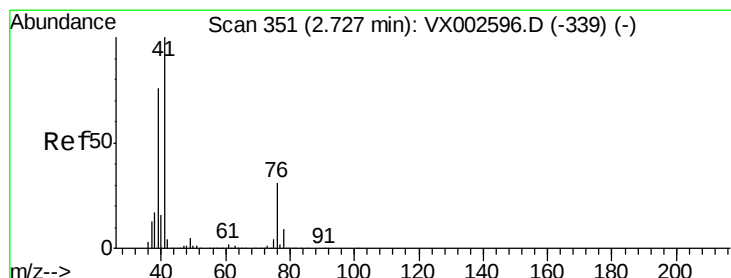
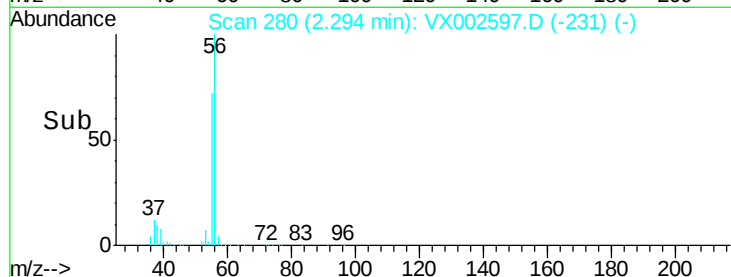
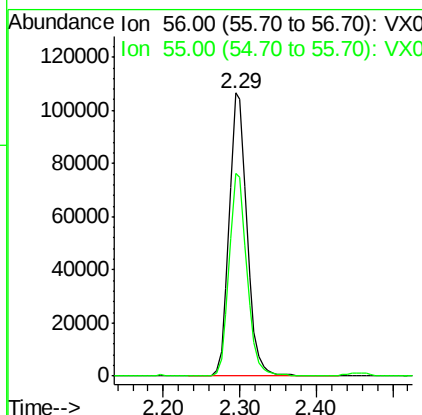
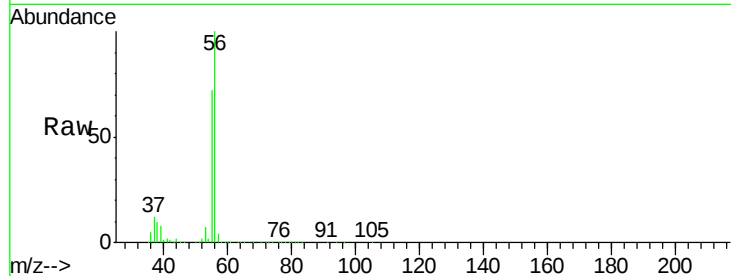
#13
Acrolein
Concen: 451.19 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	57.0	85.4

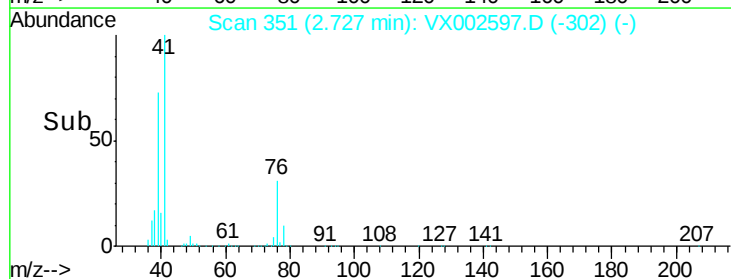
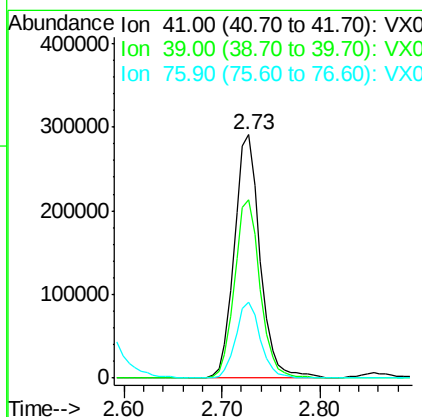
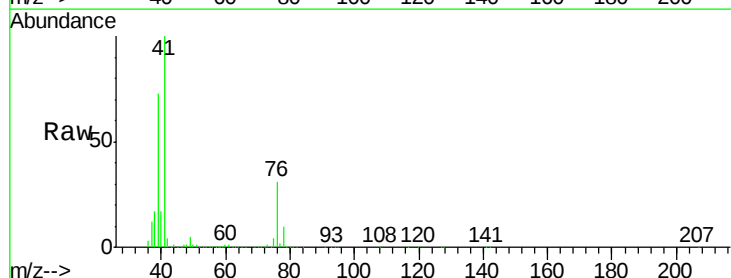
Manual Integrations
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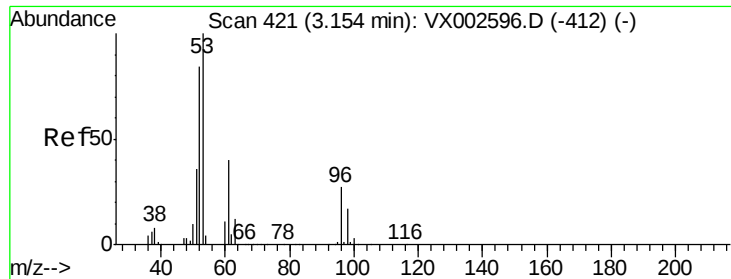
MMDadoda
6/18/2018 5:11:59 PM



#14
Allyl chloride
Concen: 93.15 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.8	56.8	85.2
76	30.1	23.8	35.8





#15

Acrylonitrile

Concen: 471.49 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

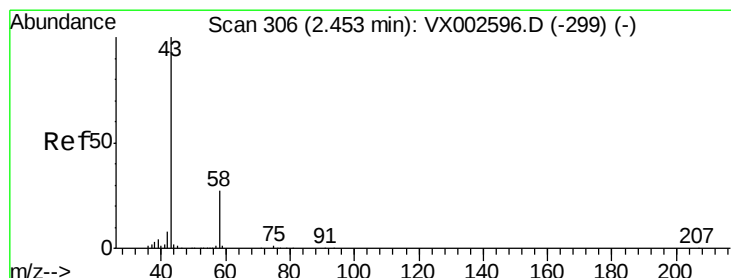
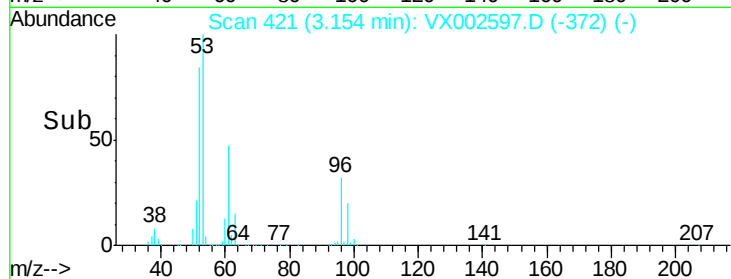
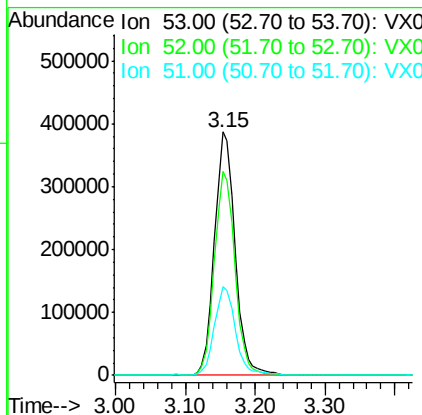
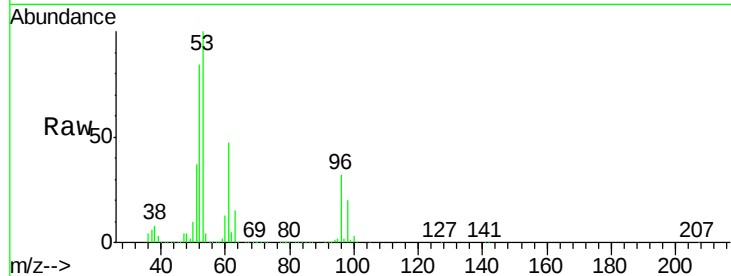
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	793461
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	37.1	29.9	44.9

Manual Integrations
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6/18/2018 5:11:59 PM



#16

Acetone

Concen: 426.59 ug/l

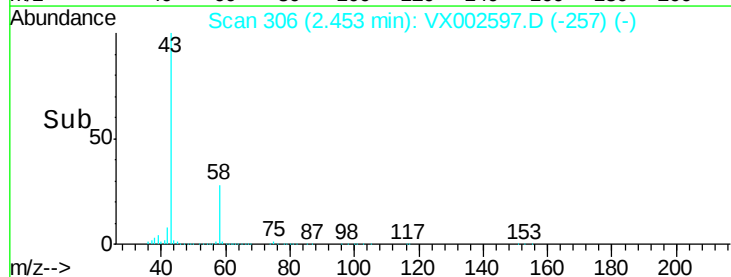
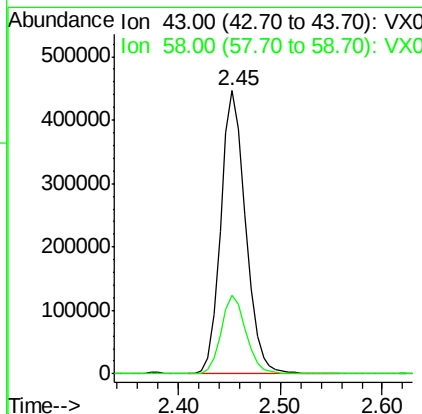
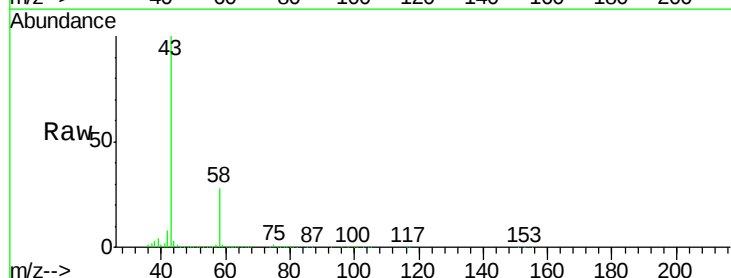
RT: 2.45 min Scan# 306

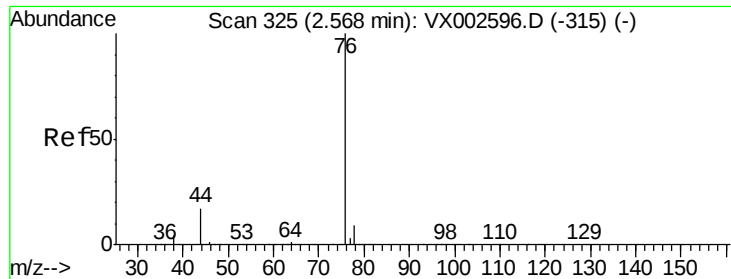
Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Tgt Ion:	43	Resp:	752661
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.1	33.1





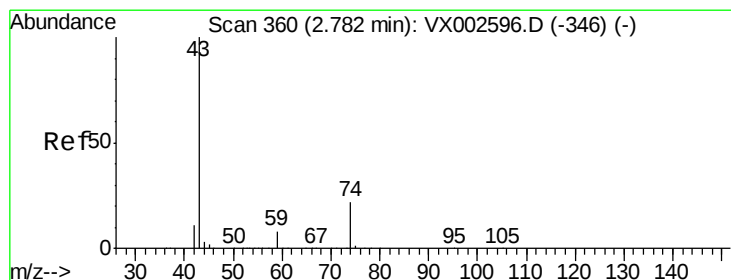
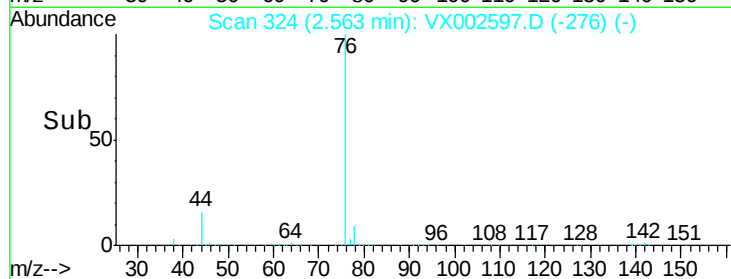
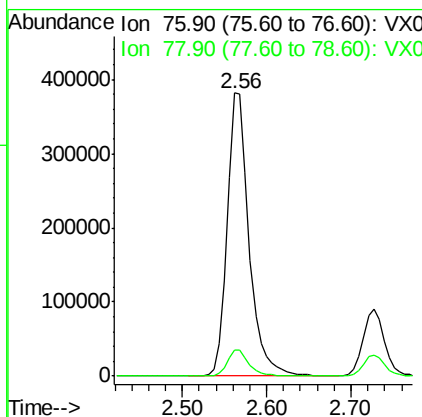
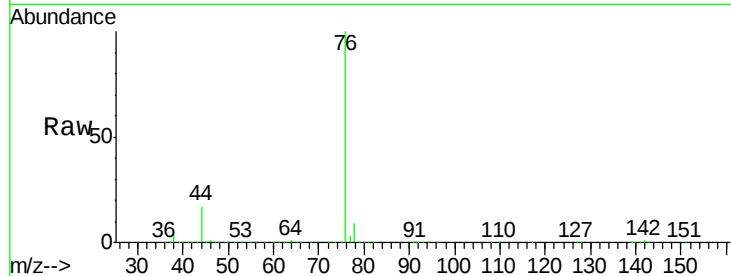
#17
Carbon Disulfide
Concen: 98.17 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

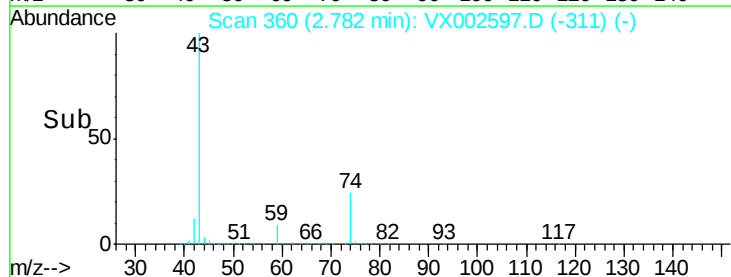
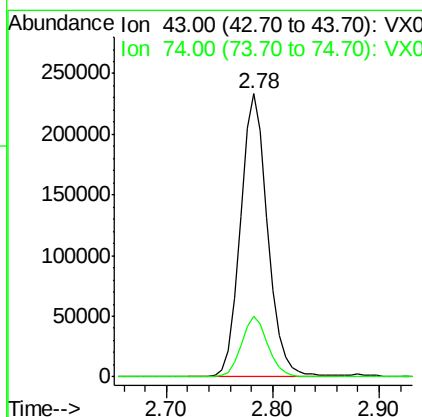
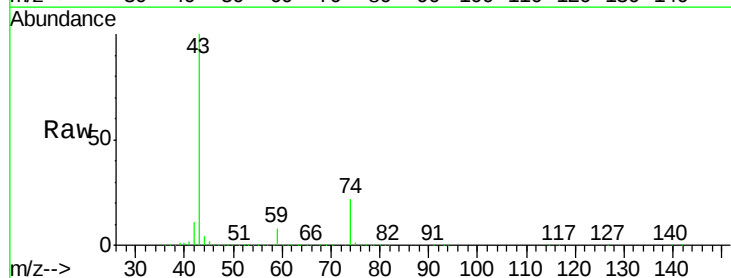
Manual Integrations
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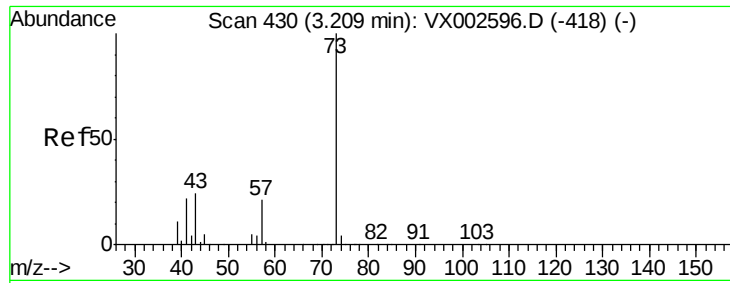
MMDadoda
6/18/2018 5:11:59 PM



#18
Methyl Acetate
Concen: 99.89 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.7	25.1





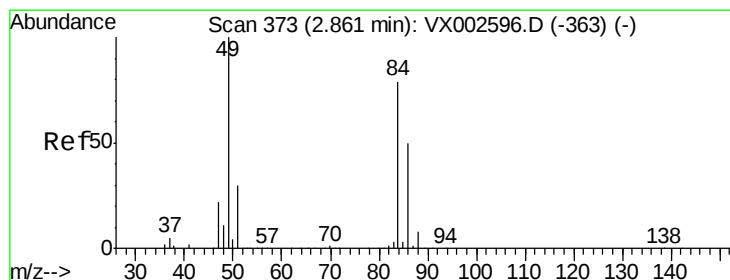
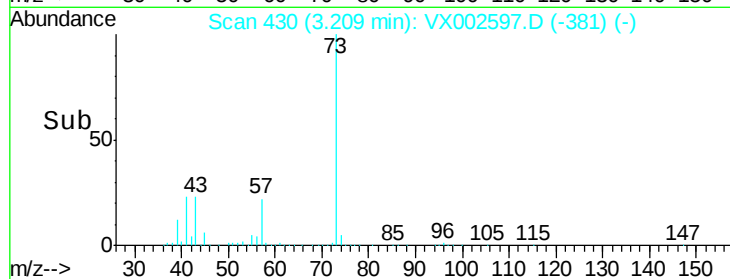
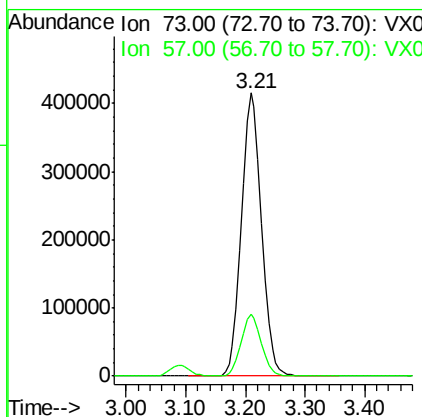
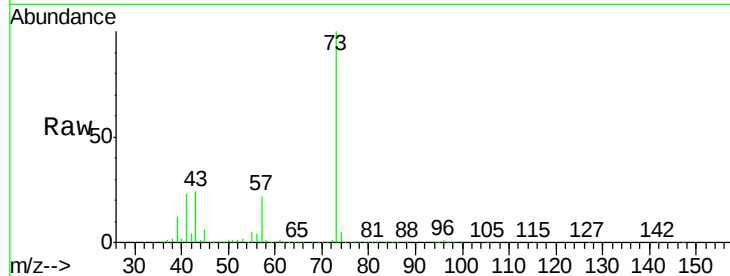
#19
Methvl tert-butvl Ether
Concen: 93.72 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 975156
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

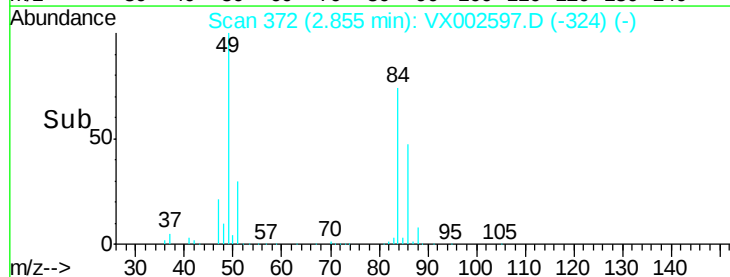
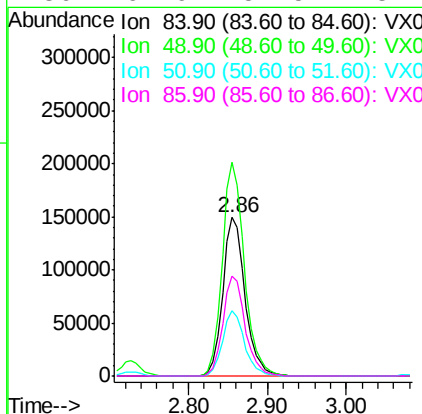
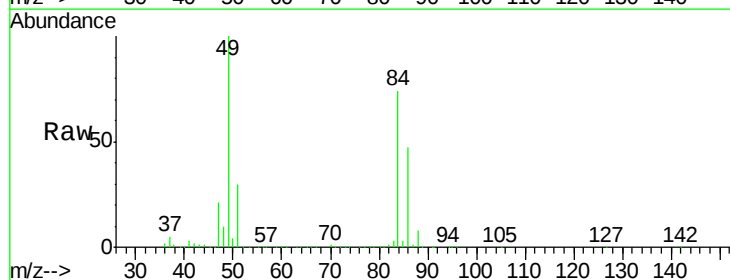
Manual Integrations
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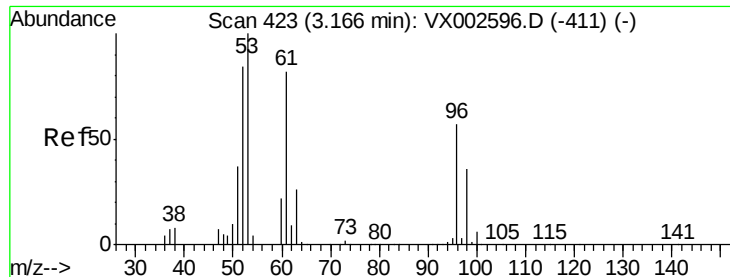
MMDadoda
6/18/2018 5:11:59 PM



#20
Methylene Chloride
Concen: 83.58 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion: 84 Resp: 293006
Ion Ratio Lower Upper
84 100
49 134.7 107.8 161.6
51 40.8 32.8 49.2
86 62.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 98.37 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

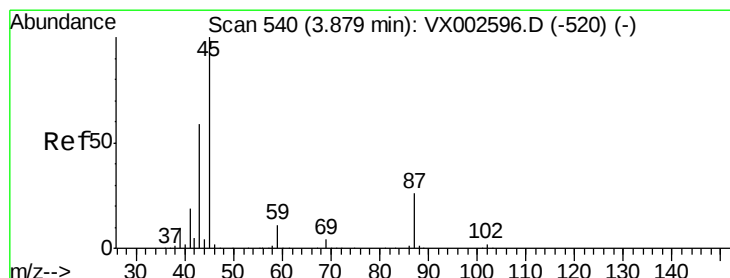
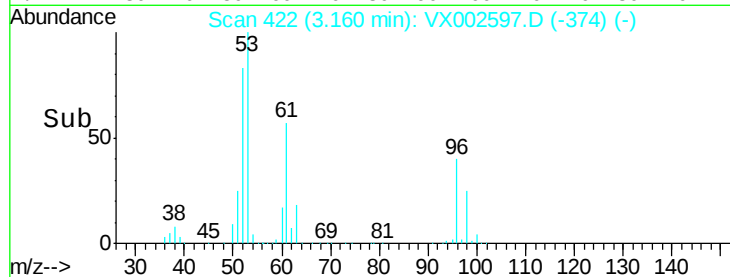
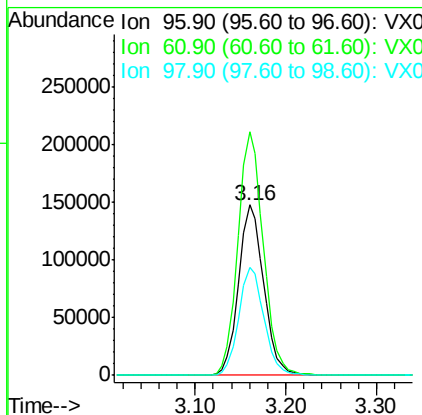
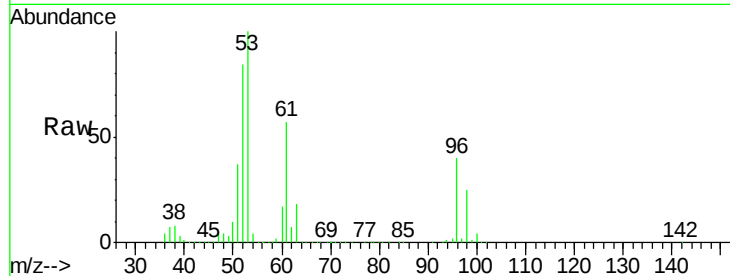
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	284923
Ion	Ratio	Lower	Upper
96	100		
61	142.5	117.0	175.4
98	63.5	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 87.67 ug/l

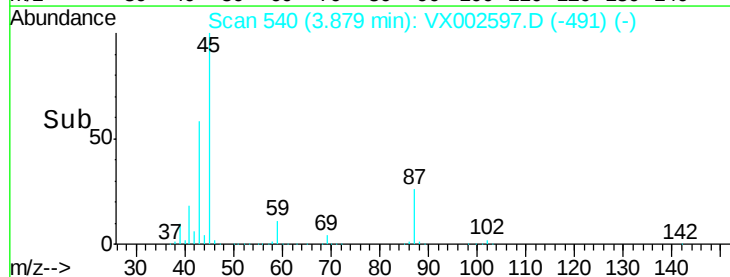
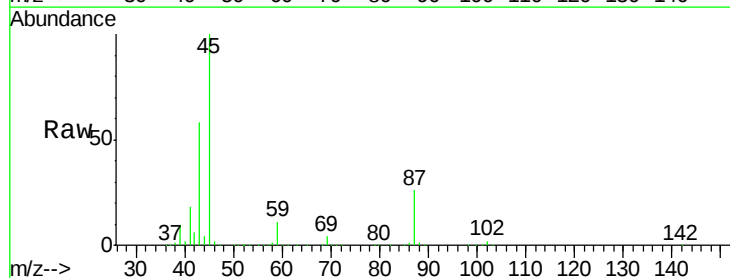
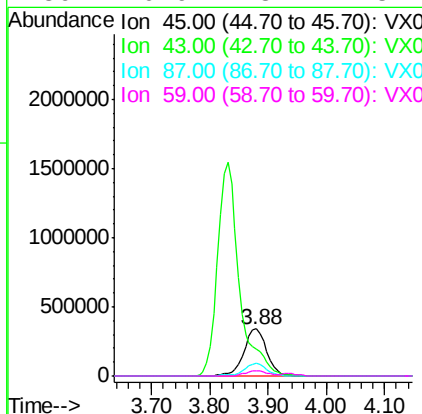
RT: 3.88 min Scan# 540

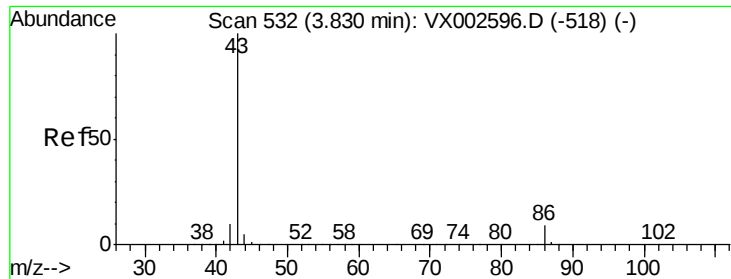
Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Tgt Ion:	45	Resp:	932461
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.8	70.2
87	26.2	20.2	30.4
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 432.80 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3999426

Ion Ratio Lower Upper

43 100

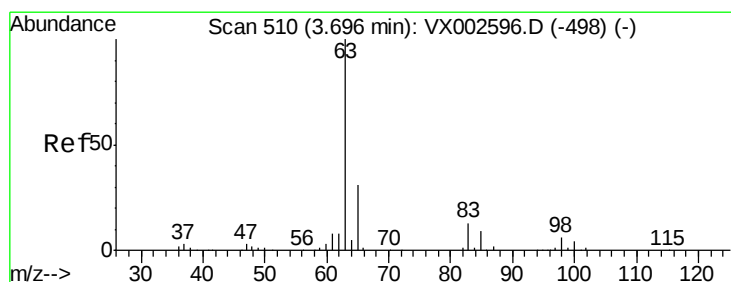
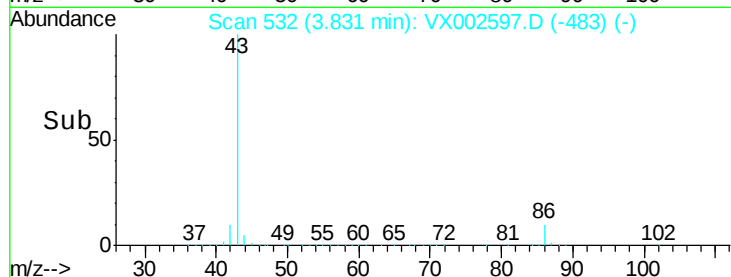
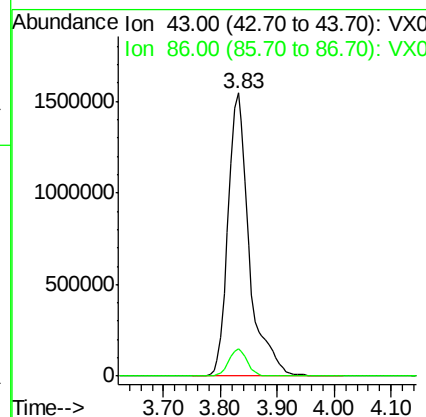
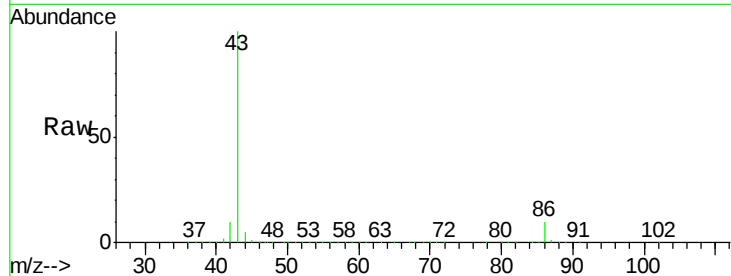
86 9.7 7.4 11.0

Manual Integrations

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6/18/2018 5:11:59 PM



#24

1,1-Dichloroethane

Concen: 83.51 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

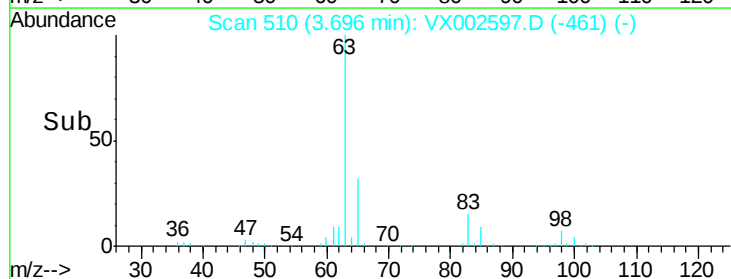
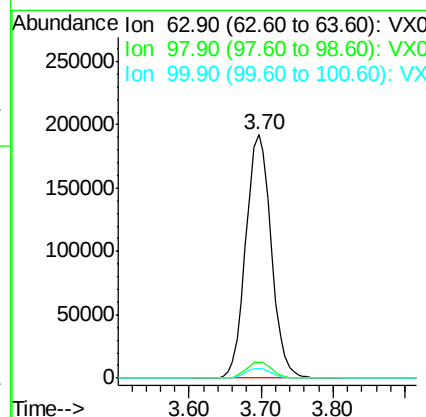
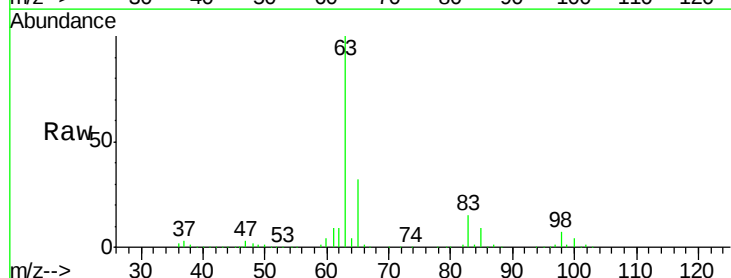
Tgt Ion: 63 Resp: 470492

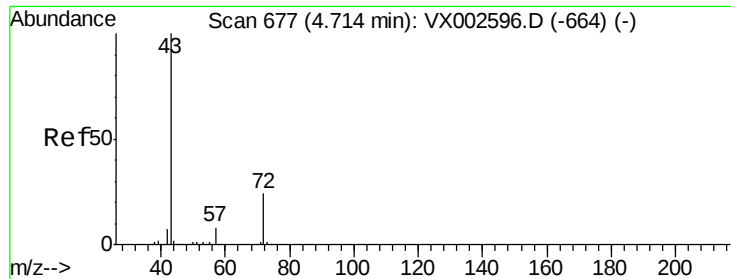
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 435.46 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1053477

Ion Ratio Lower Upper

43 100

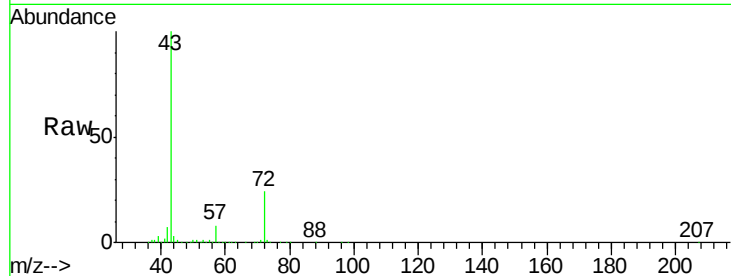
72 24.1 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

400000

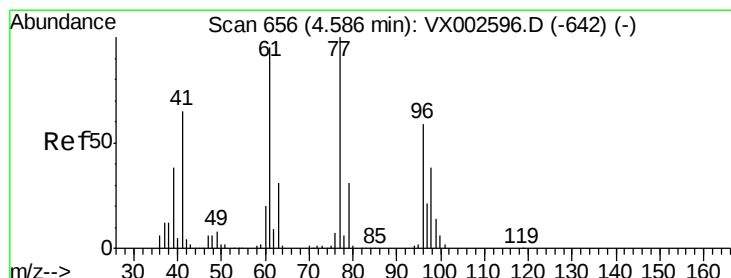
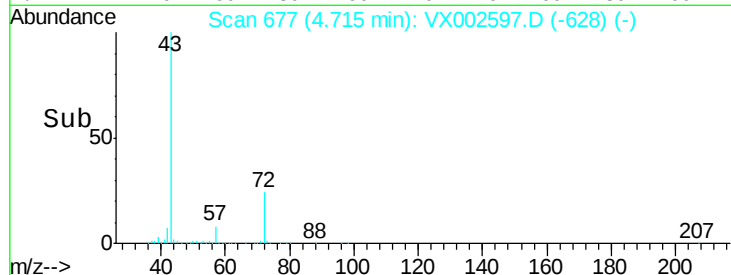
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 88.02 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002597.D

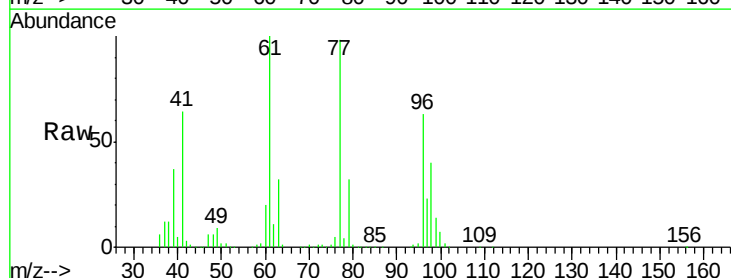
Acq: 15 Jun 2018 13:21

Tgt Ion: 77 Resp: 387633

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

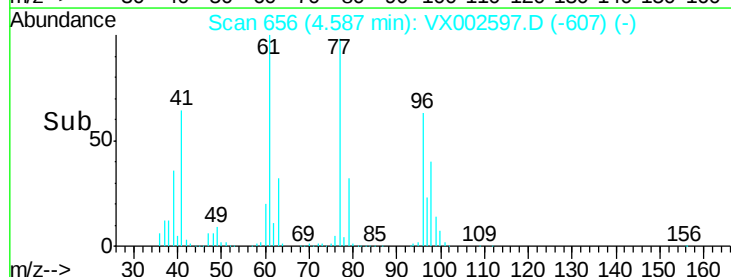
4.59

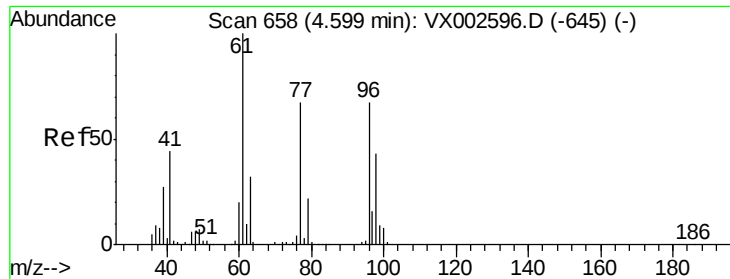
100000

50000

0

Time-->





#27

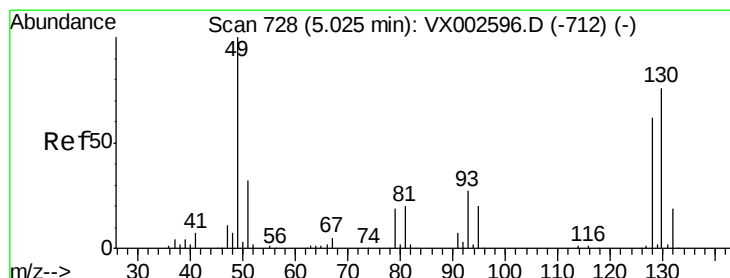
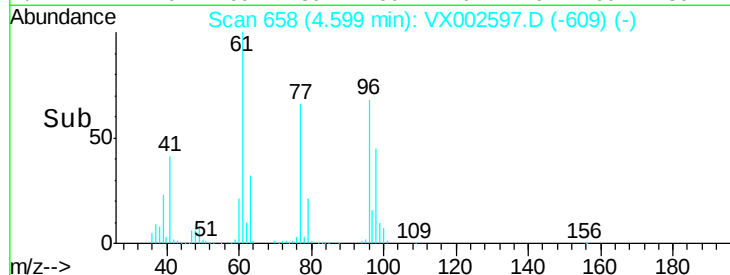
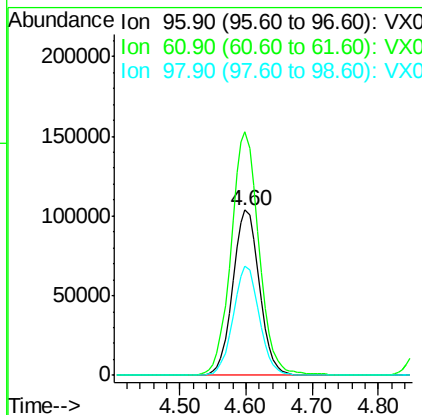
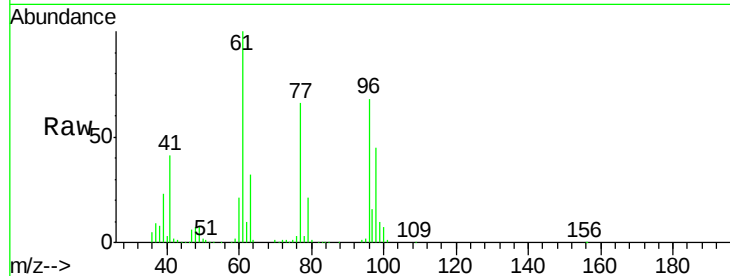
cis-1,2-Dichloroethene
Concen: 91.72 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	288933		
61	155.0	0.0	330.2	
98	65.0	0.0	130.2	

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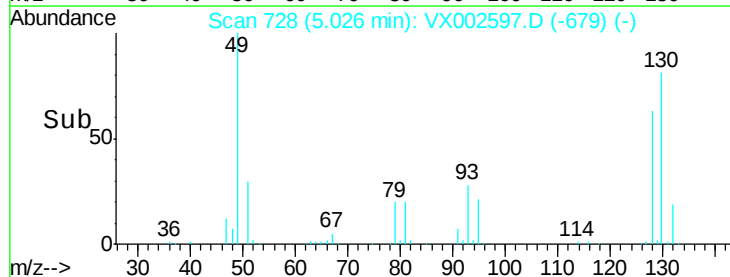
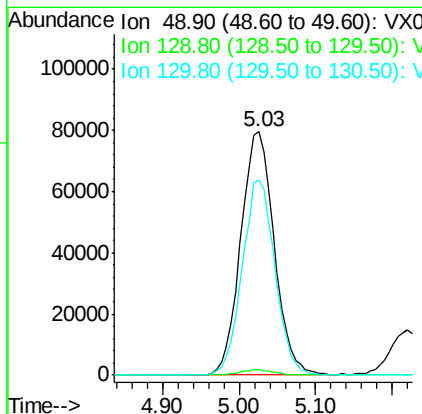
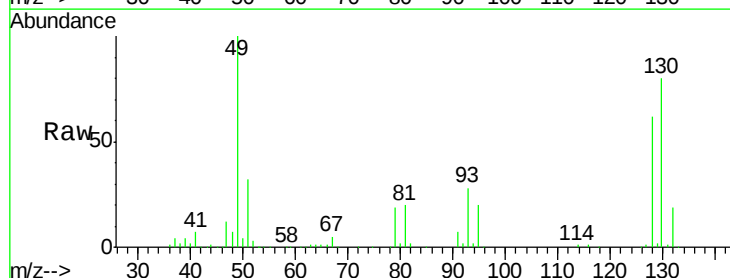
MMDadoda
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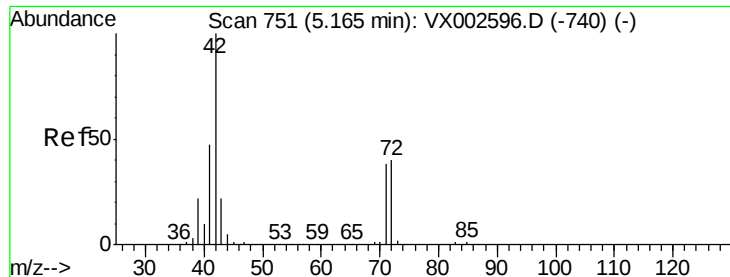


#28

Bromochloromethane
Concen: 88.74 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	242100		
129	2.3	0.0	4.2	
130	78.6	61.2	91.8	





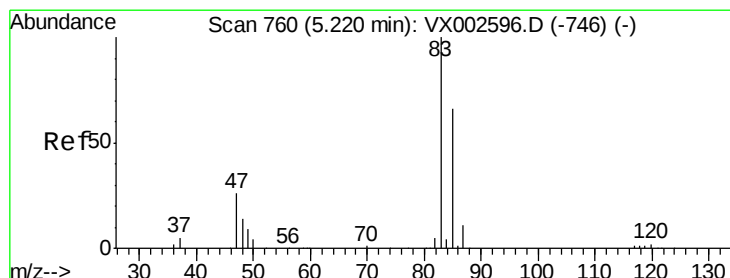
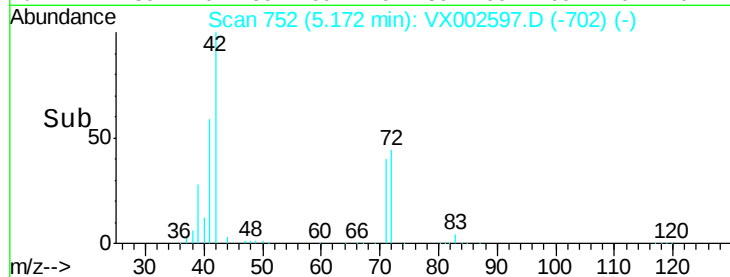
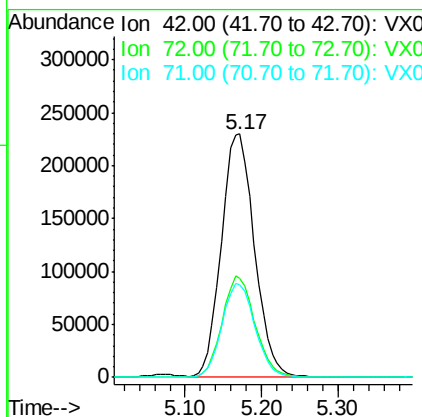
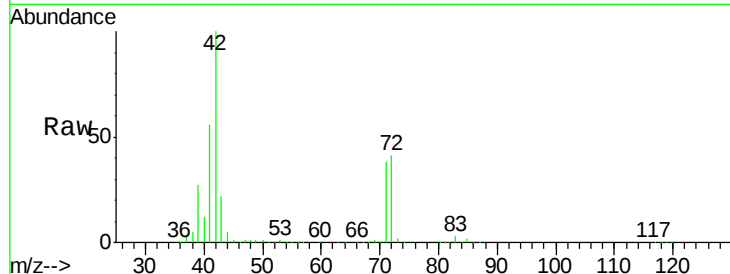
#29
Tetrahydrofuran
Concen: 440.81 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.7	30.1	45.1

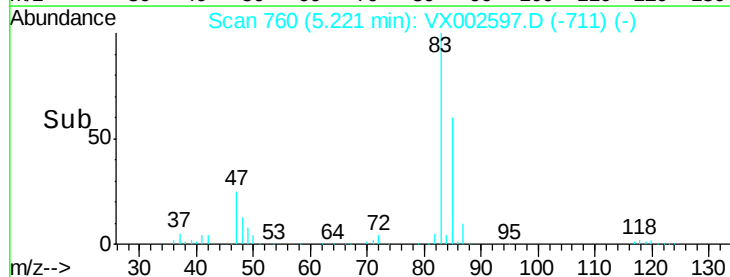
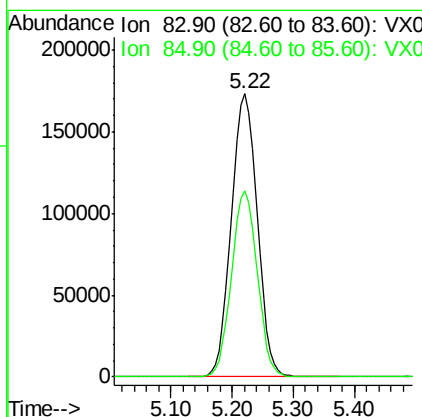
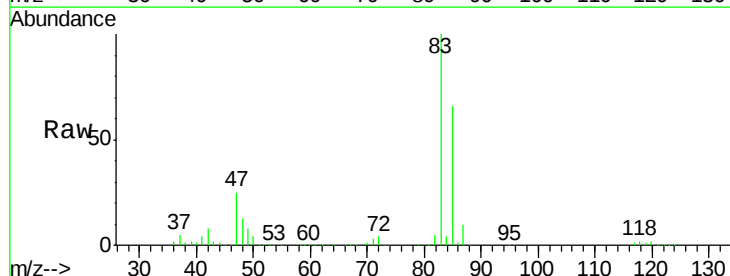
Manual Integrations
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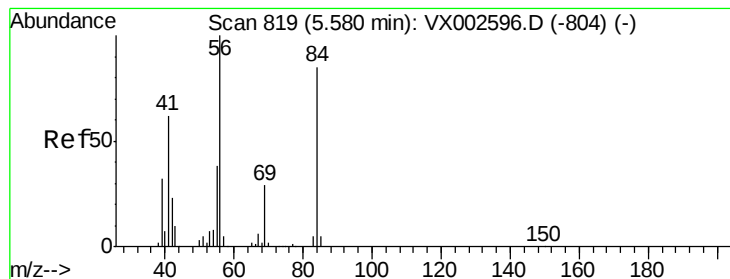
MMDadoda
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#30
Chloroform
Concen: 93.16 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.4	75.6





#31

Cyclohexane

Concen: 99.37 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

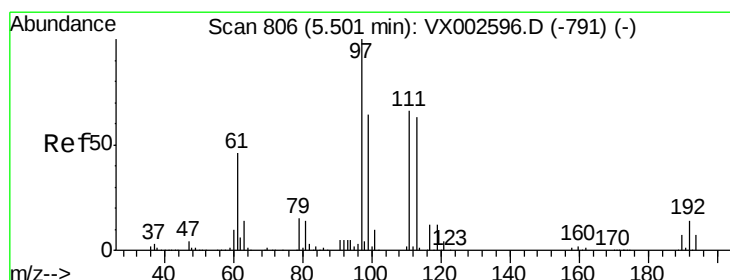
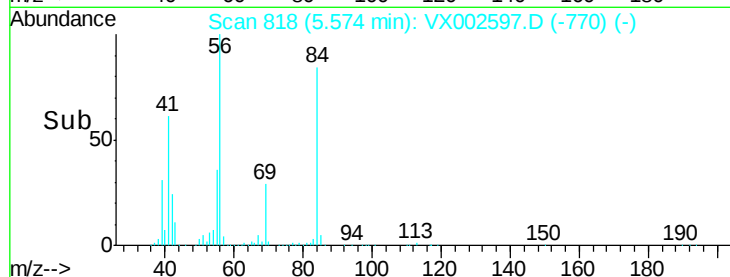
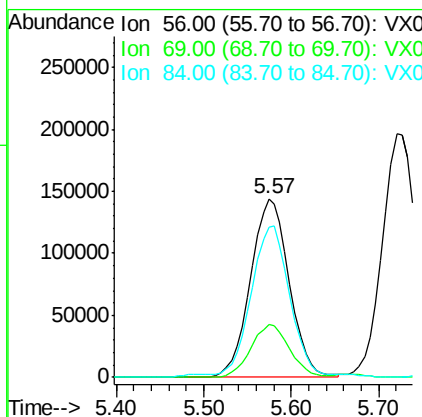
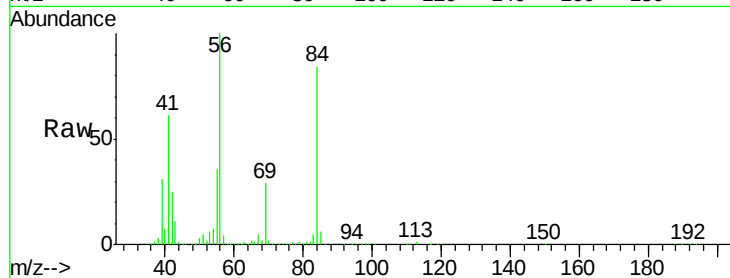
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	442712
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.7	35.5
84	82.8	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 97.61 ug/l

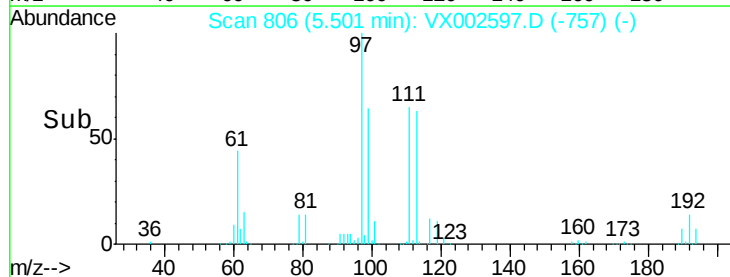
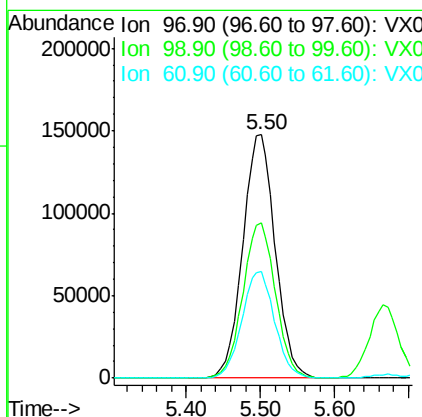
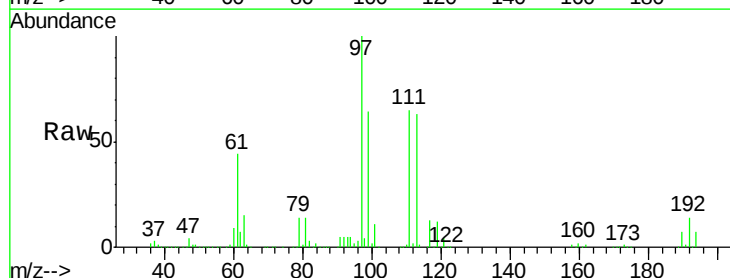
RT: 5.50 min Scan# 806

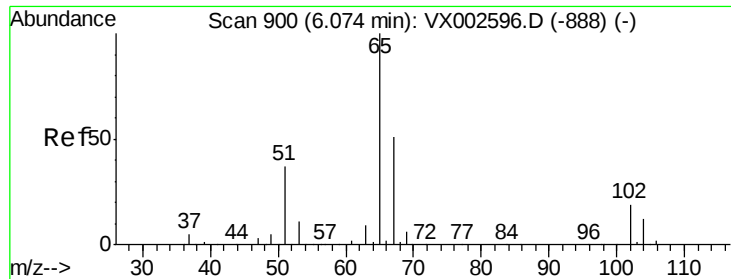
Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Tgt Ion:	97	Resp:	450041
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	44.3	36.4	54.6





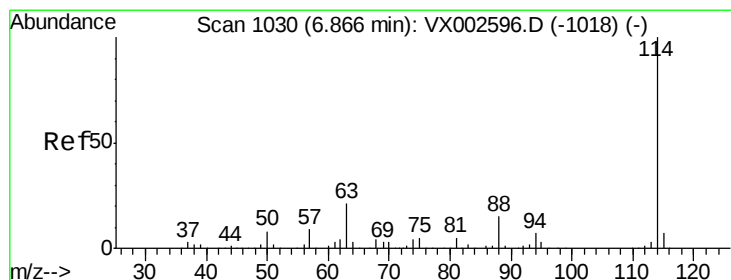
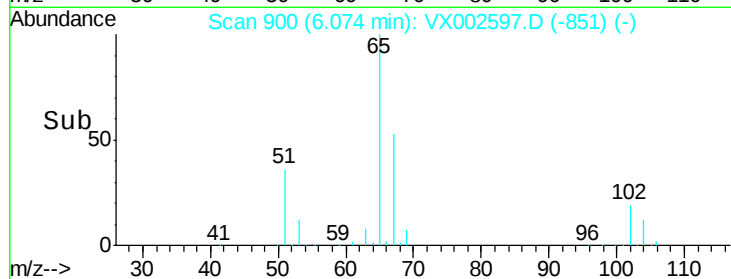
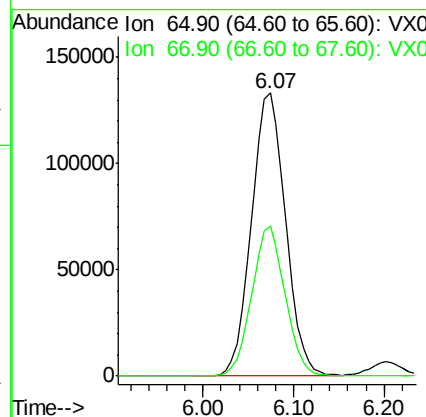
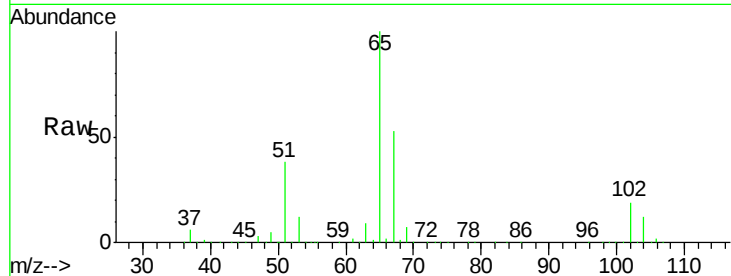
#33
 1,2-Dichloroethane-d4
 Concen: 90.47 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	347211		
67	51.7	0.0	102.6	

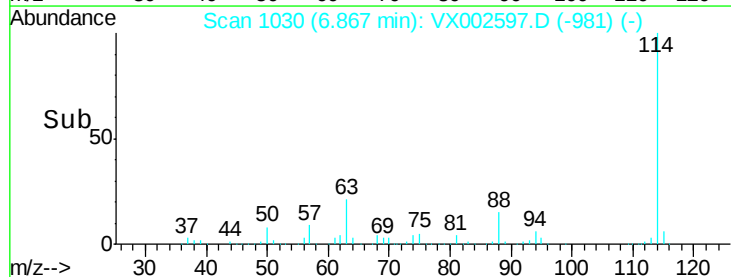
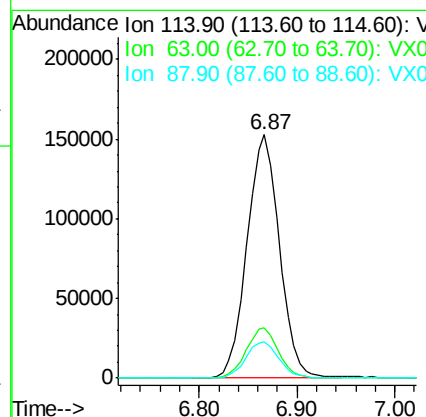
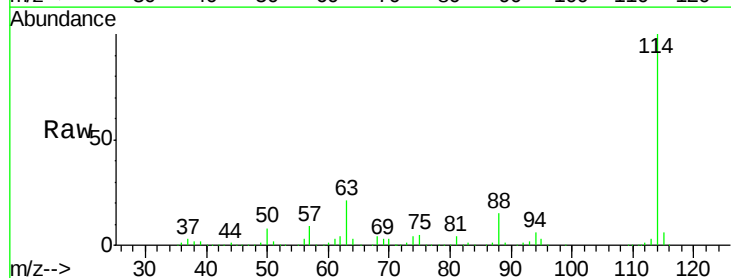
Manual Integrations
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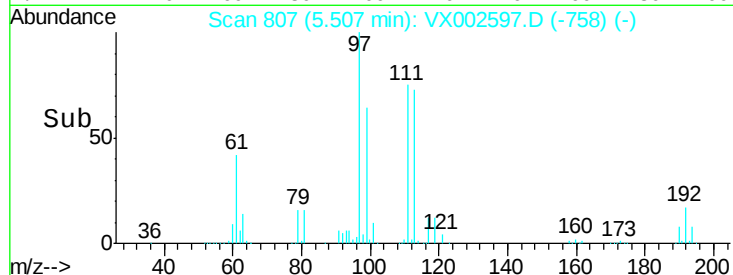
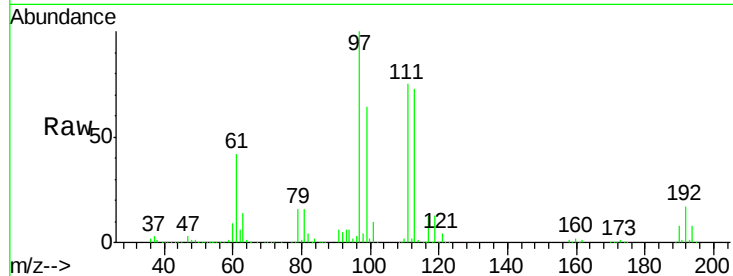
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352482		
63	20.5	0.0	41.4	
88	14.9	0.0	30.0	





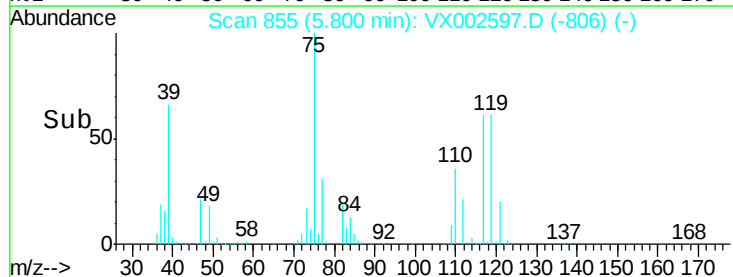
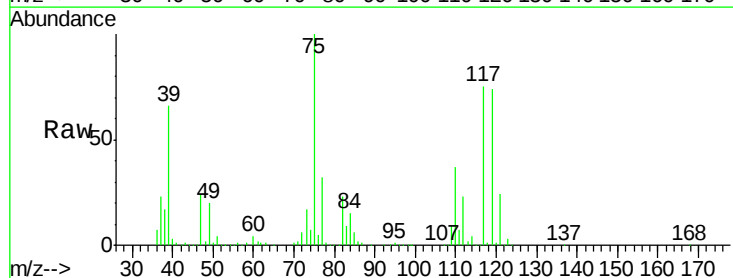
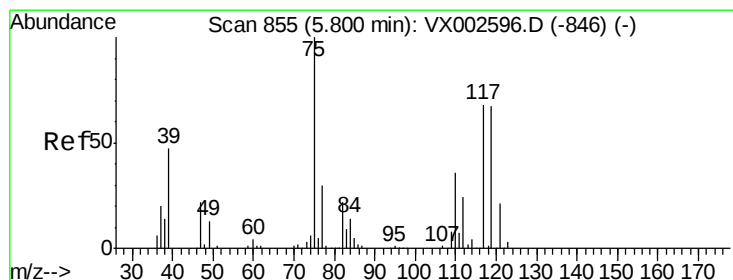
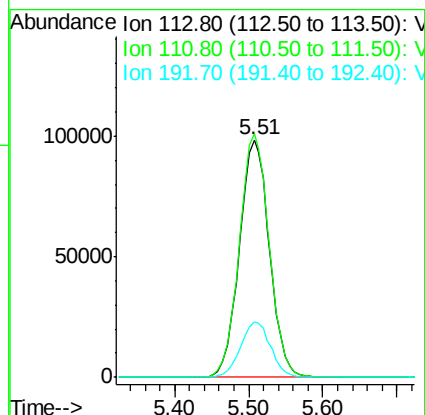
#35
Dibromofluoromethane
Concen: 100.36 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tot Ion	Ratio	Resp	Lower	Upper
113	100	278182		
111	102.0	81.4	122.0	
192	23.4	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

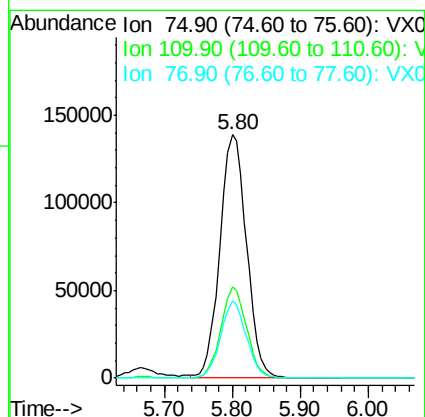
Manual Integrations
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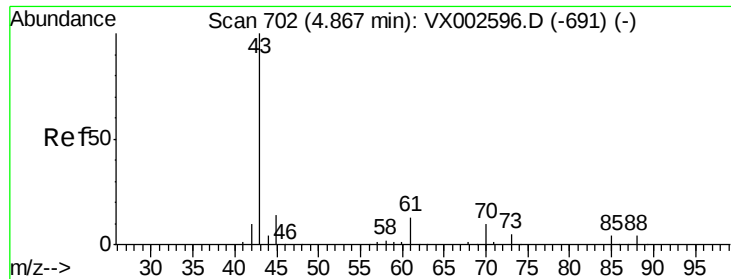
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#36
1,1-Dichloropropene
Concen: 101.88 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	377514		
110	36.2	18.1	54.4	
77	30.3	24.3	36.5	





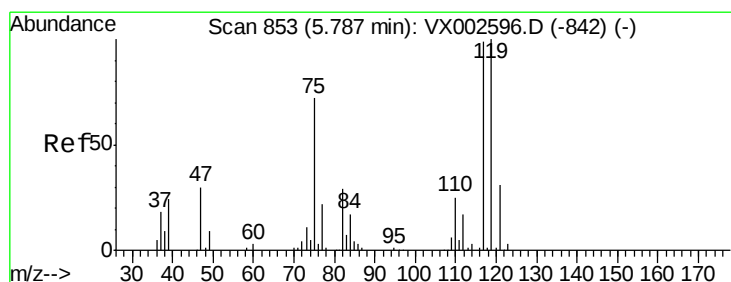
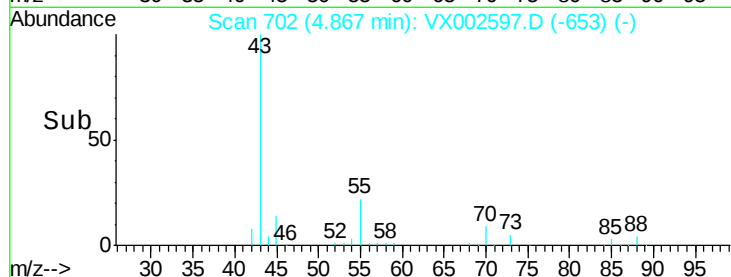
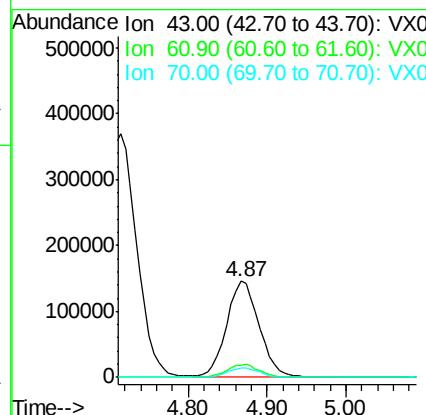
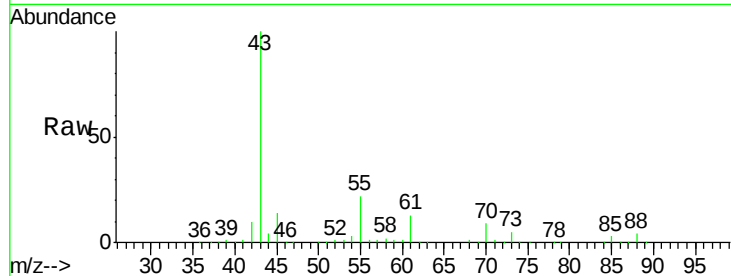
#37
Ethyl Acetate
Concen: 94.23 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.5	7.6	11.4

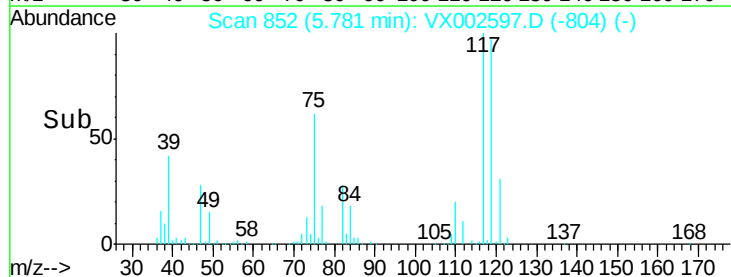
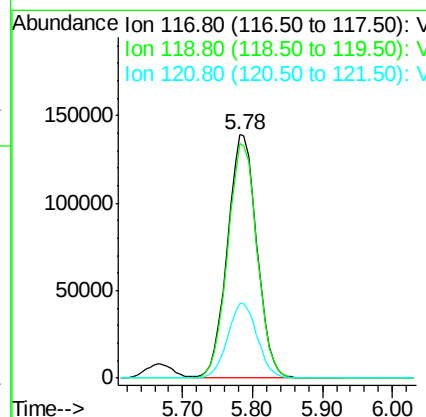
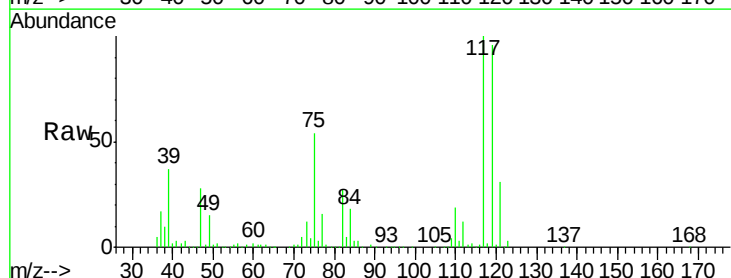
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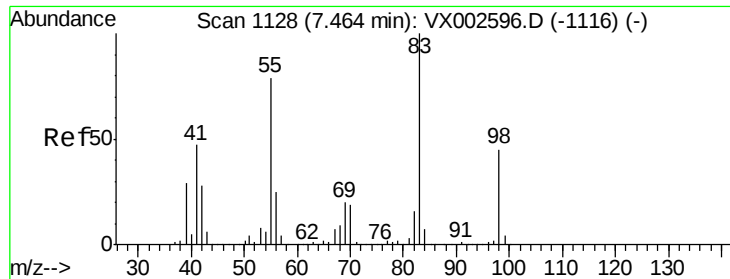
MMDadoda
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#38
Carbon Tetrachloride
Concen: 104.79 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
121	30.5	24.4	36.6





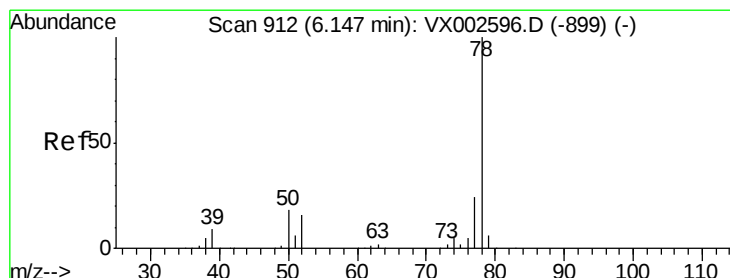
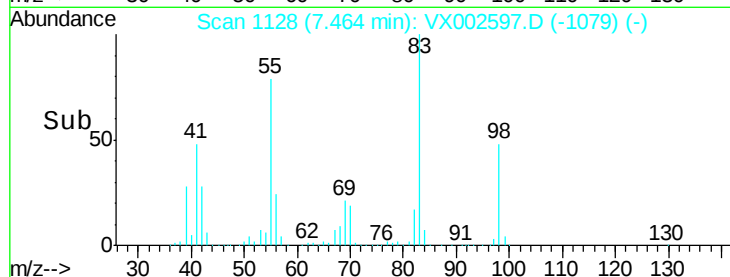
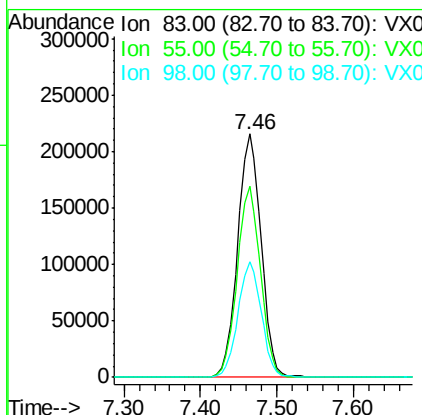
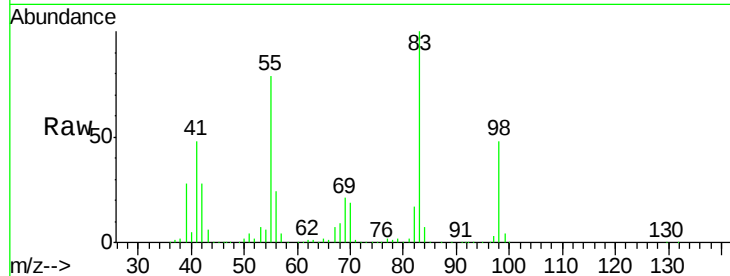
#39
Methvlcvclohexane
Concen: 108.47 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.4	98.0
98	47.7	37.4	56.0

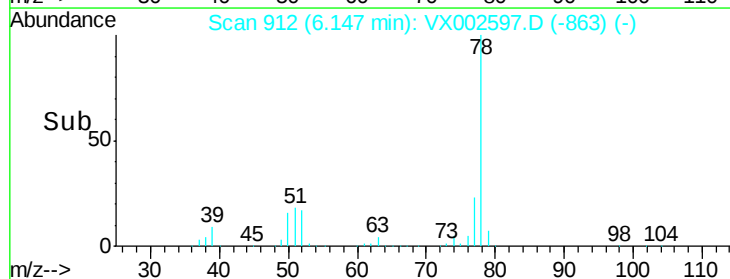
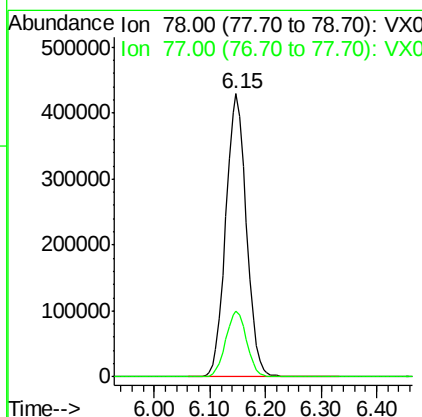
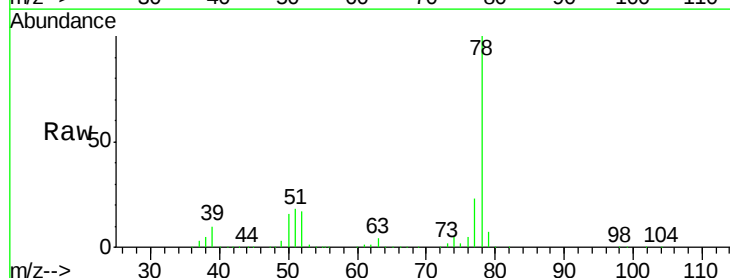
Manual Integrations
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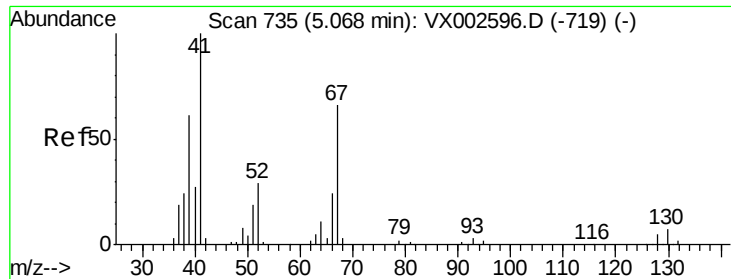
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#40
Benzene
Concen: 96.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





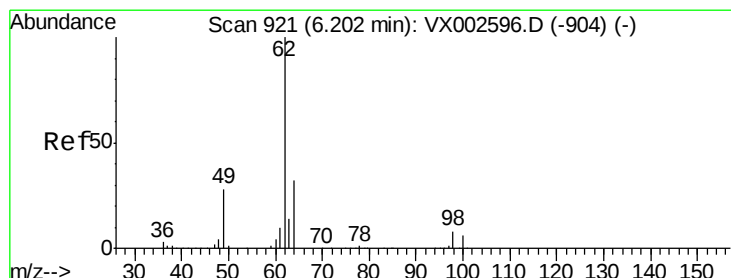
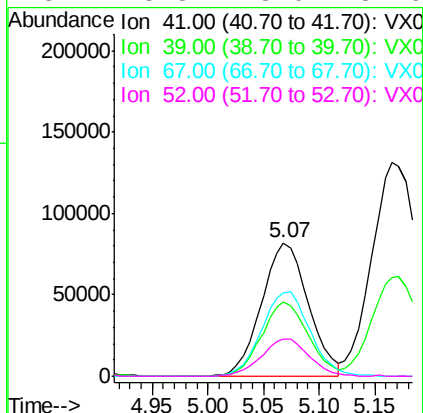
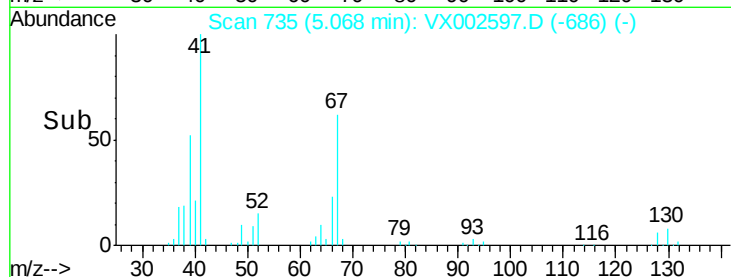
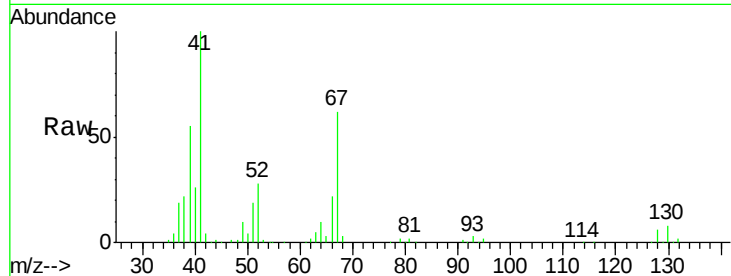
#41
Methacrylonitrile
Concen: 93.57 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.8	68.6
67	65.4	51.3	76.9
52	28.8	23.0	34.6

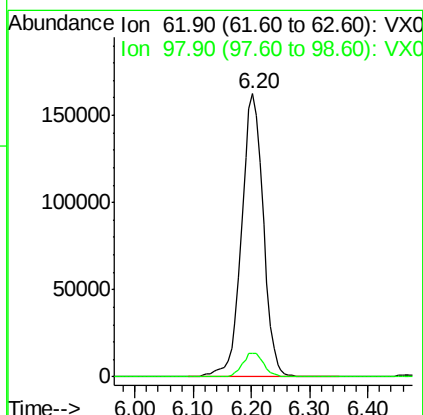
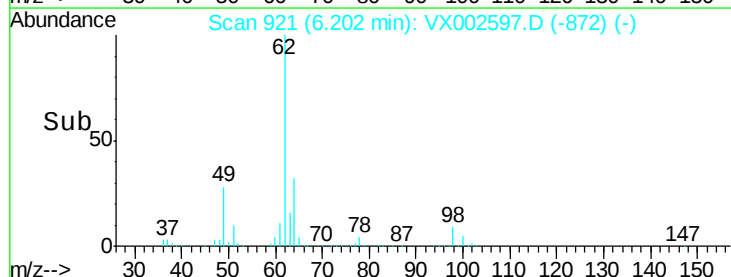
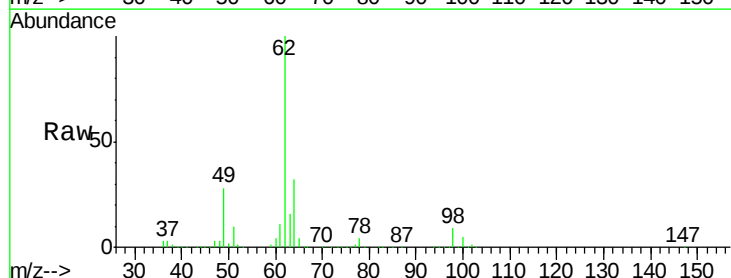
Manual Integrations
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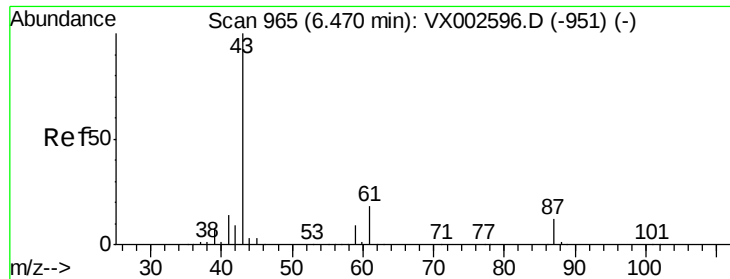
MMDadoda
6/18/2018 5:11:59 PM



#42
1,2-Dichloroethane
Concen: 92.50 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

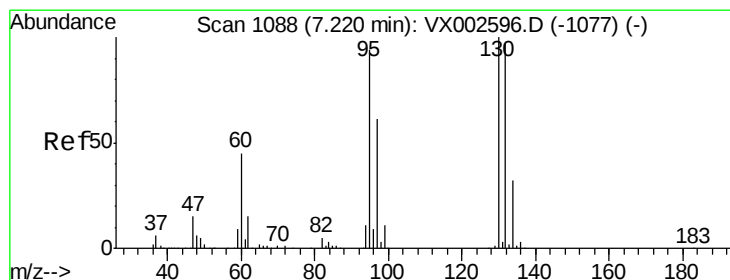
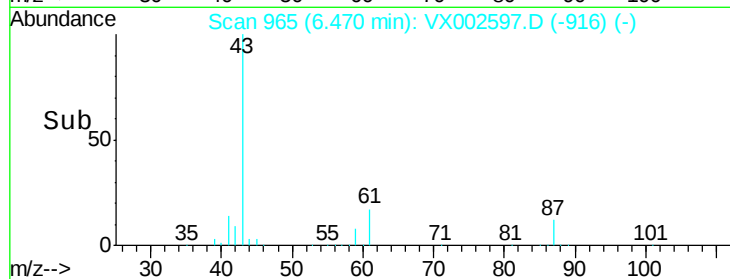
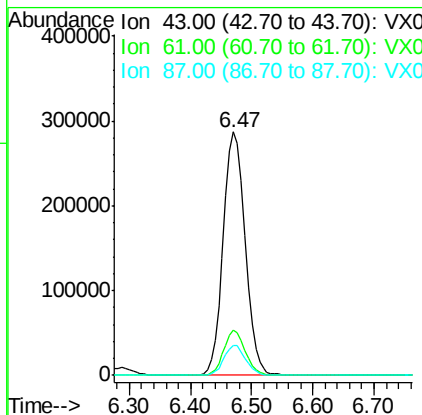
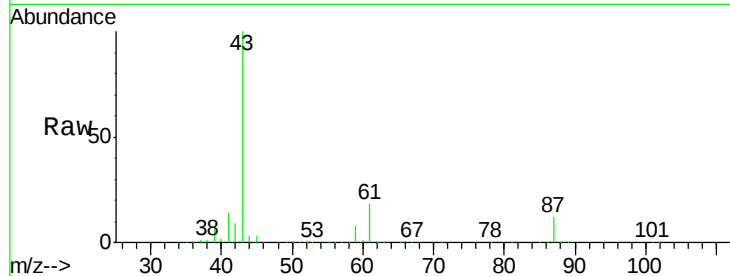
Isopropyl Acetate
 Concen: 94.29 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	12.2	9.5	14.3

Manual Integrations
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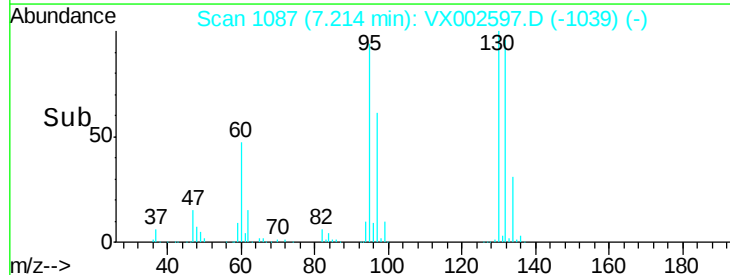
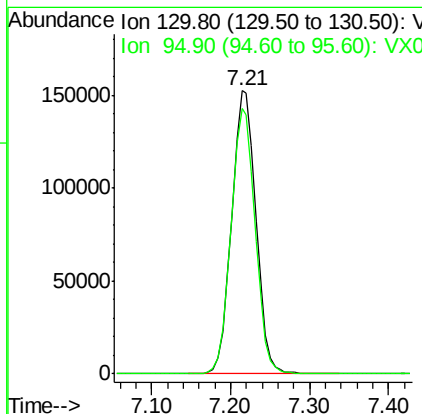
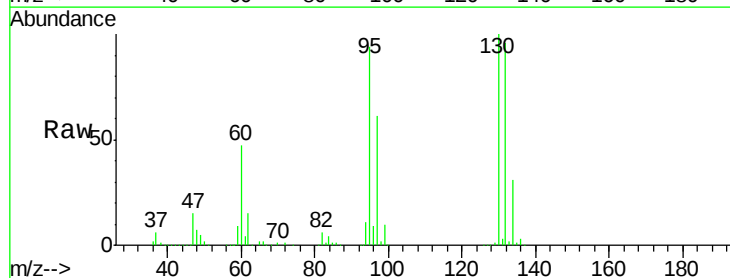
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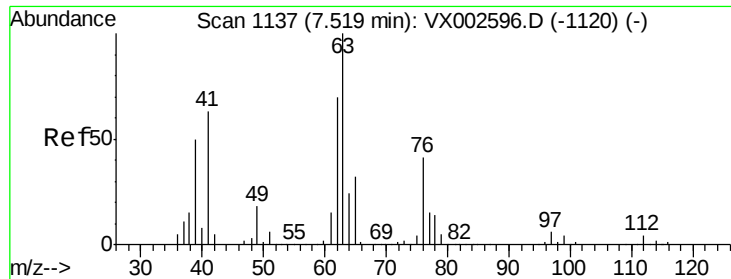


#44

Trichloroethene
 Concen: 103.58 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 94.90 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 291081

Ion Ratio Lower Upper

63 100

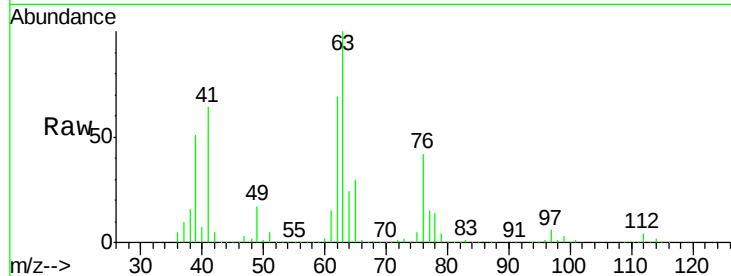
65 30.1 24.7 37.1

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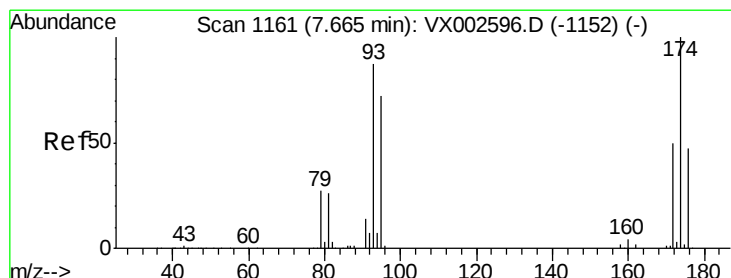
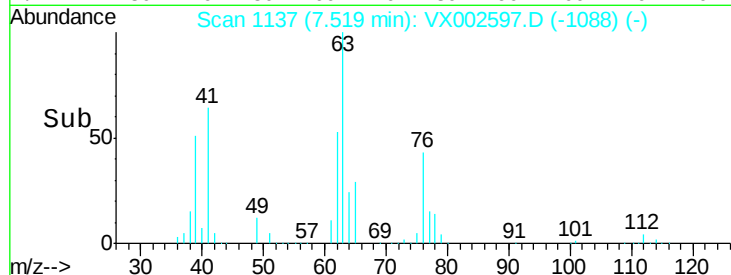
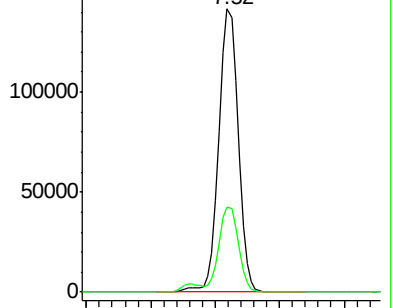
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 95.55 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

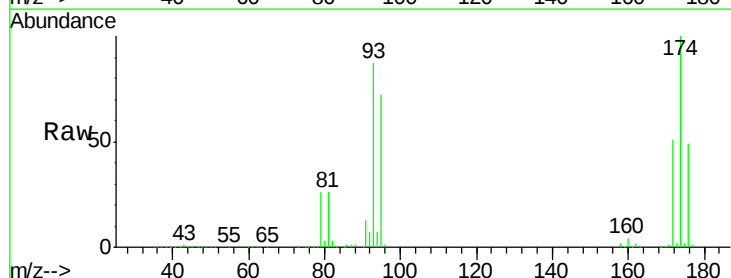
Tgt Ion: 93 Resp: 198682

Ion Ratio Lower Upper

93 100

95 82.5 65.9 98.9

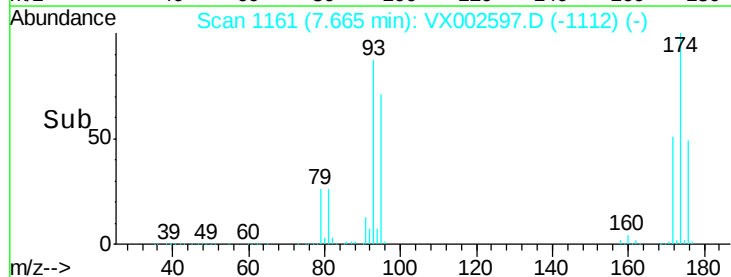
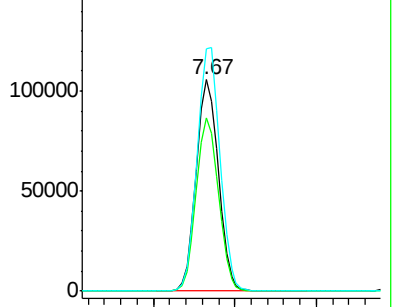
174 118.0 92.4 138.6

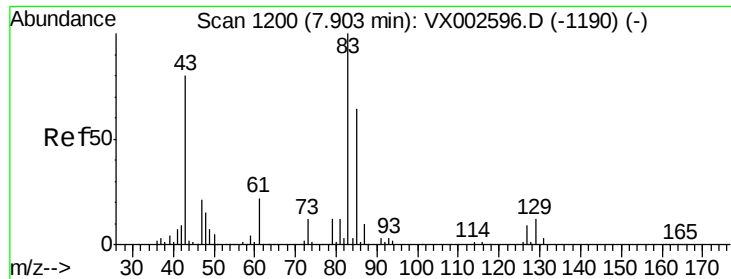


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 100.60 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

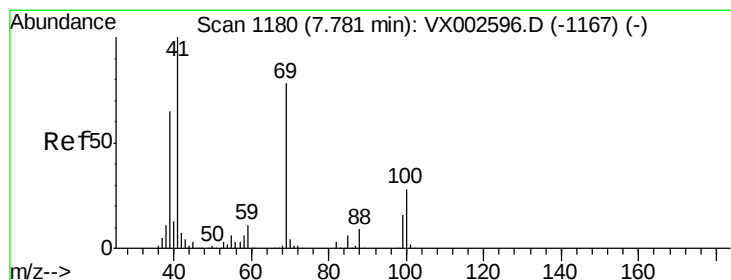
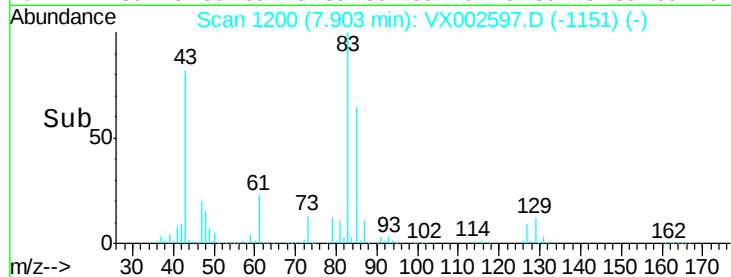
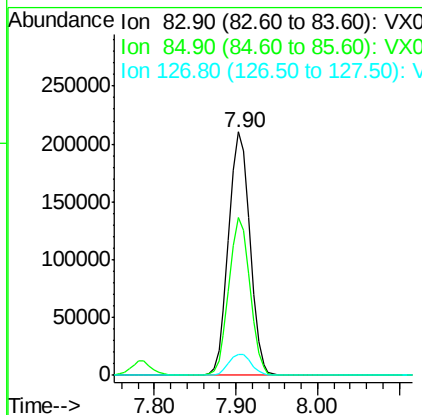
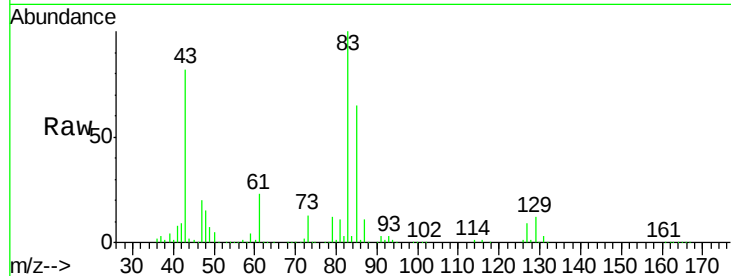
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	378343
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.3	75.5
127	8.8	7.0	10.4

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#48

Methyl methacrylate

Concen: 95.49 ug/l

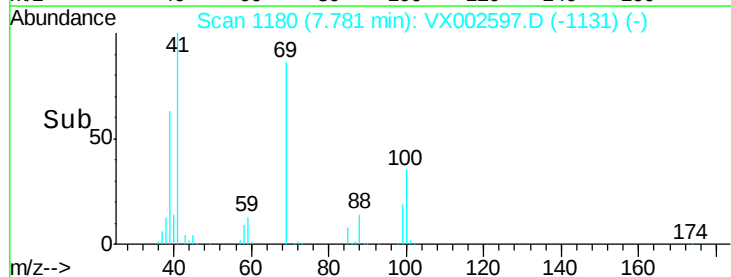
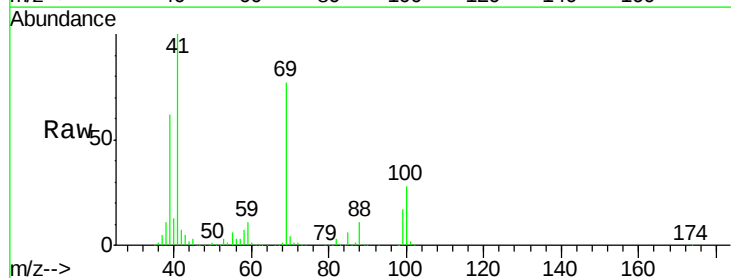
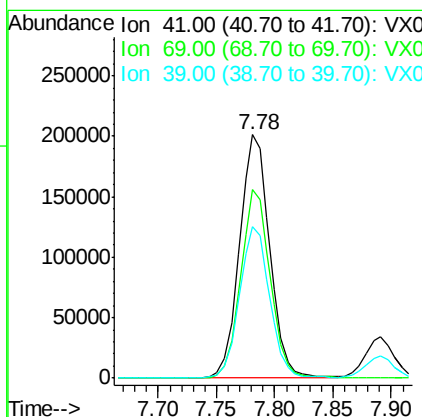
RT: 7.78 min Scan# 1180

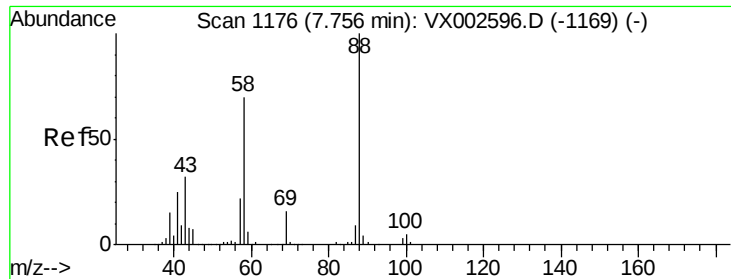
Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Tgt Ion:	41	Resp:	363045
Ion Ratio	Lower	Upper	
41	100		
69	76.3	59.1	88.7
39	62.1	48.9	73.3





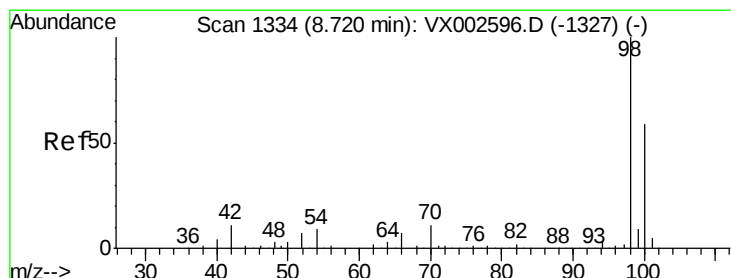
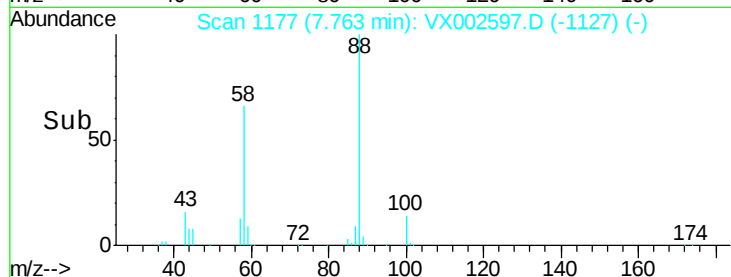
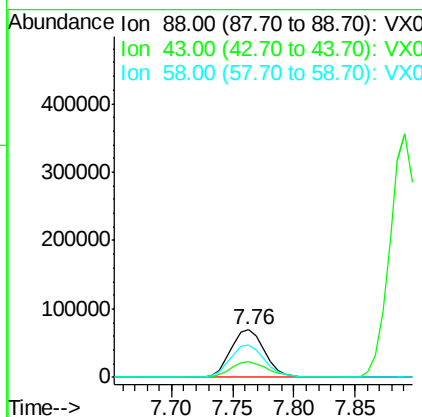
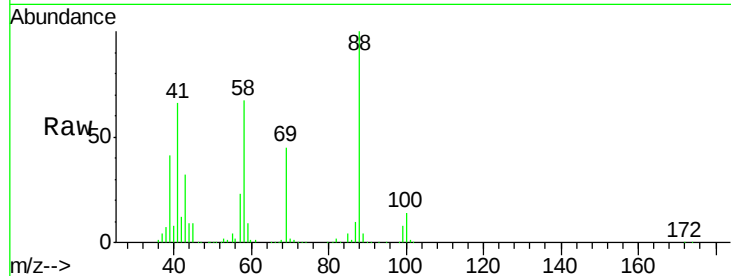
#49
1,4-Dioxane
Concen: 1875.80 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	29.8	44.6
58	69.0	57.1	85.7

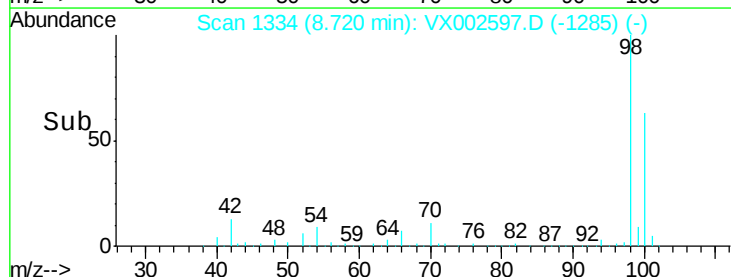
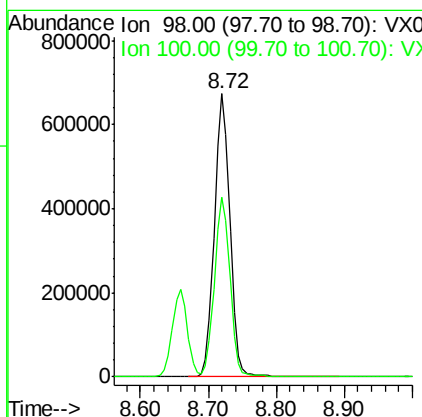
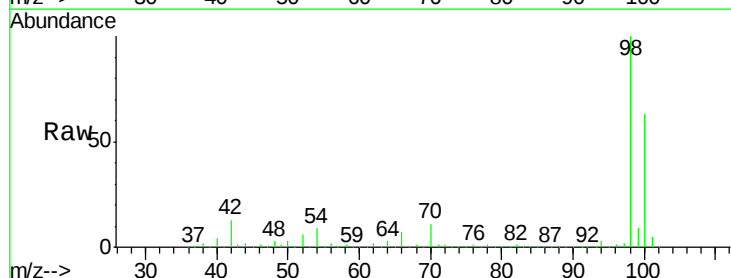
Manual Integrations
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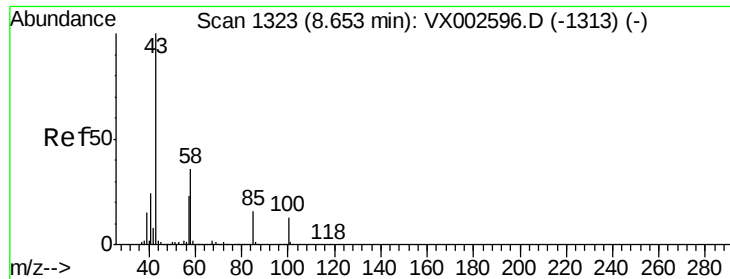
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#50
Toluene-d8
Concen: 100.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





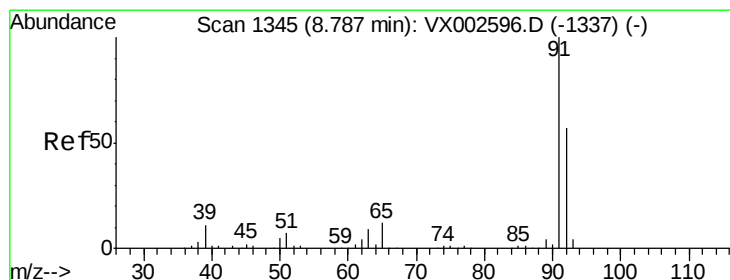
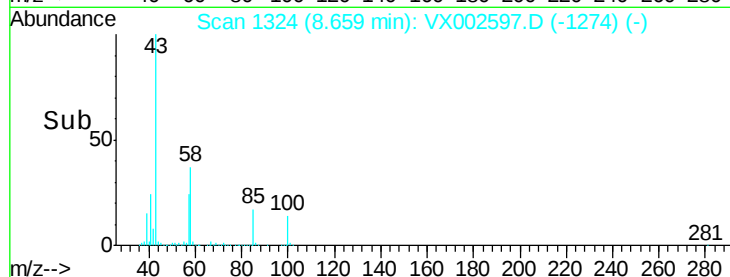
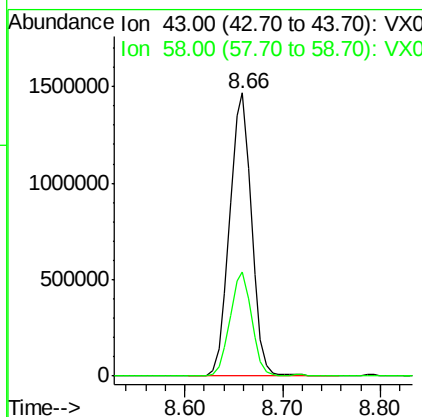
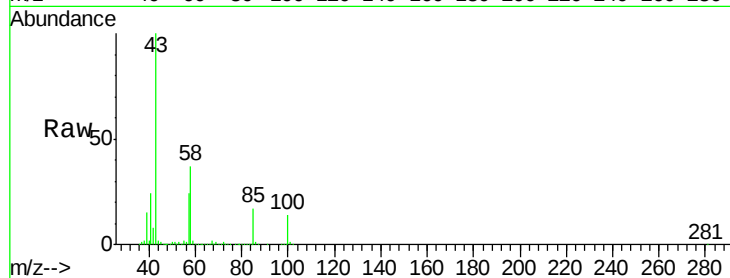
#51
4-Methyl-2-Pentanone
Concen: 484.90 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2285661
Ion Ratio Lower Upper
43 100
58 36.3 28.6 42.8

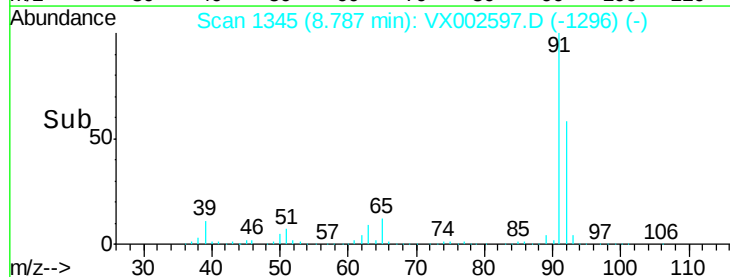
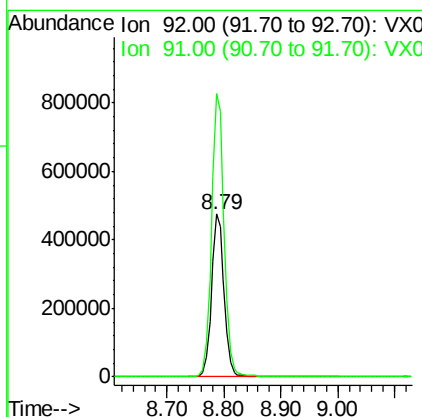
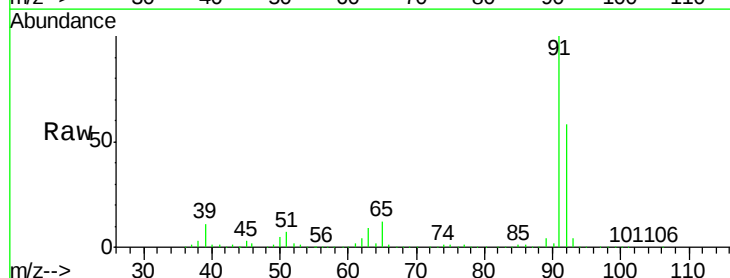
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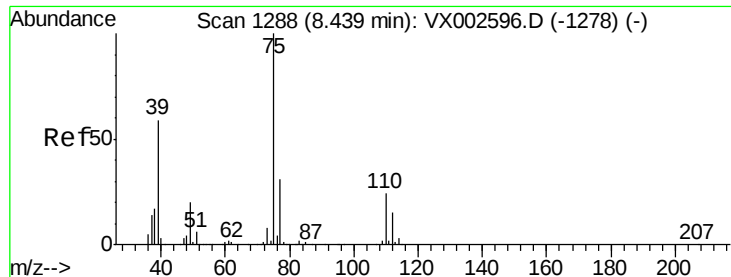
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6/18/2018 5:11:59 PM



#52
Toluene
Concen: 100.47 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion: 92 Resp: 726055
Ion Ratio Lower Upper
92 100
91 175.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 101.90 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 459547

Ion Ratio Lower Upper

75 100

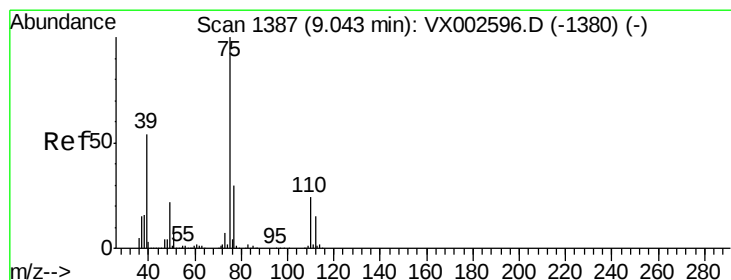
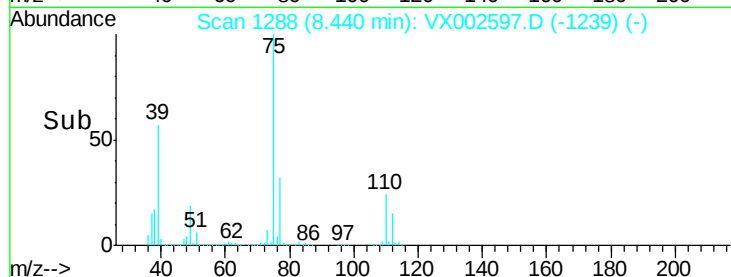
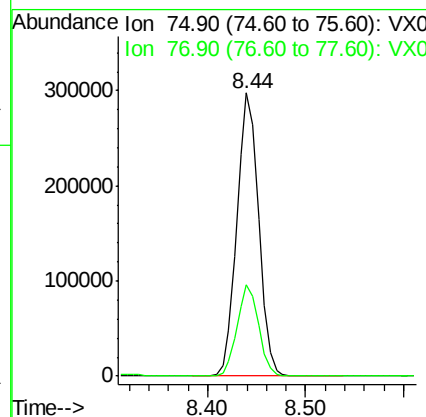
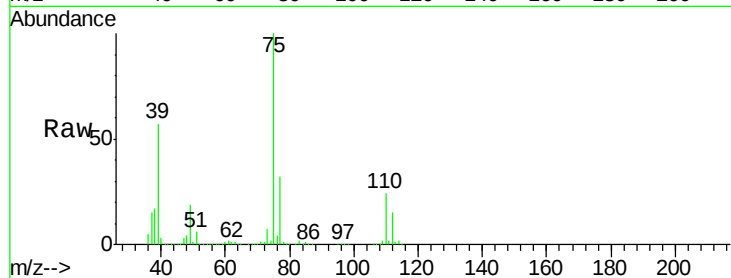
77 32.1 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 103.18 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

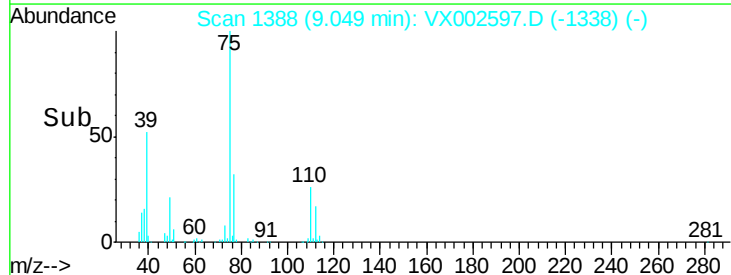
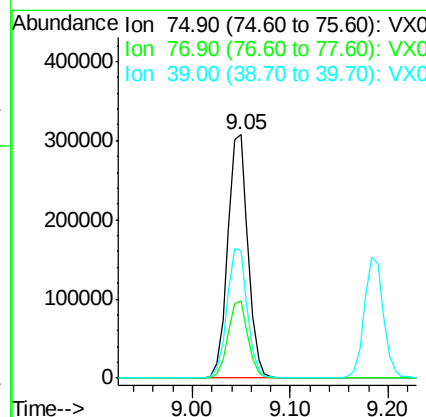
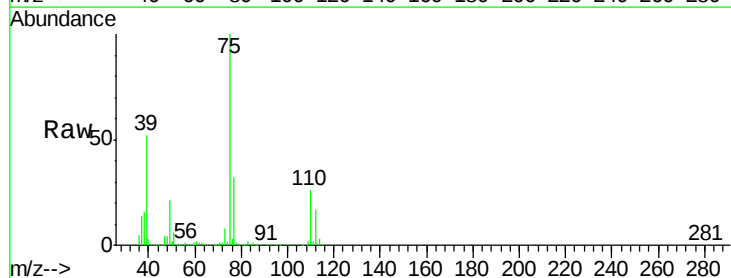
Tgt Ion: 75 Resp: 439021

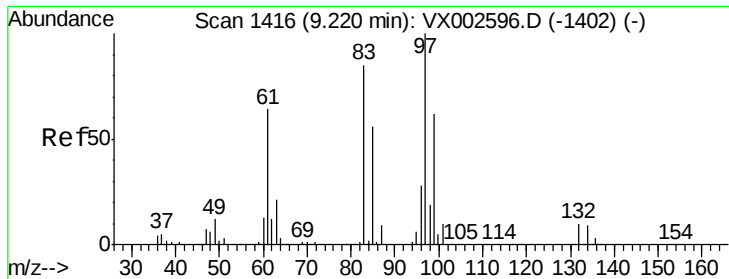
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 52.0 42.4 63.6





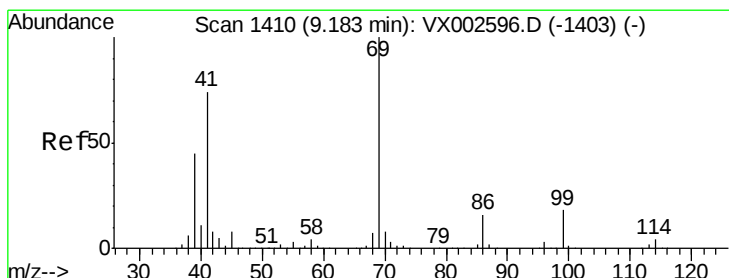
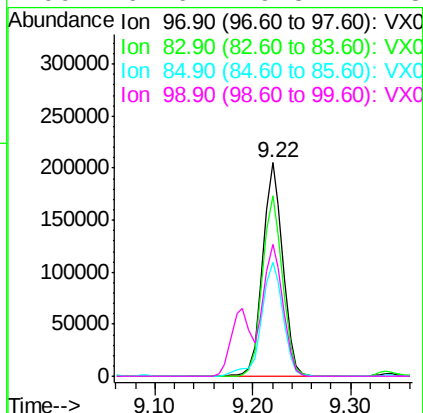
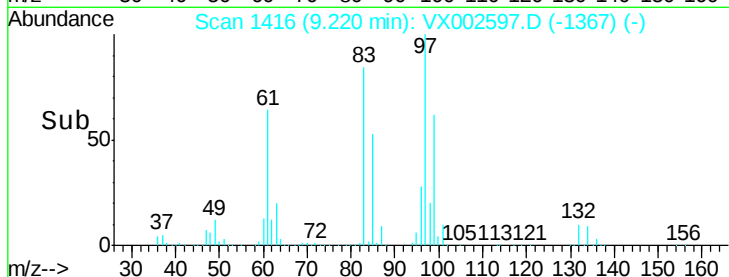
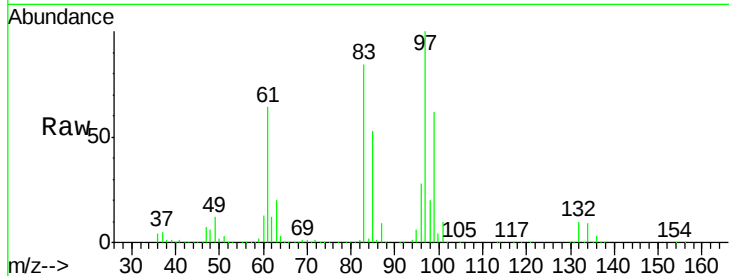
#55
 1,1,2-Trichloroethane
 Concen: 98.32 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	292216
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.2
85	53.4	44.9	67.3
99	61.6	49.8	74.8

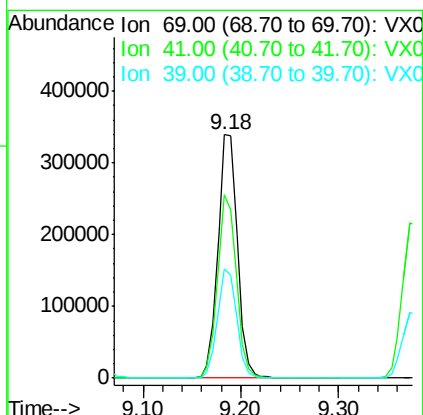
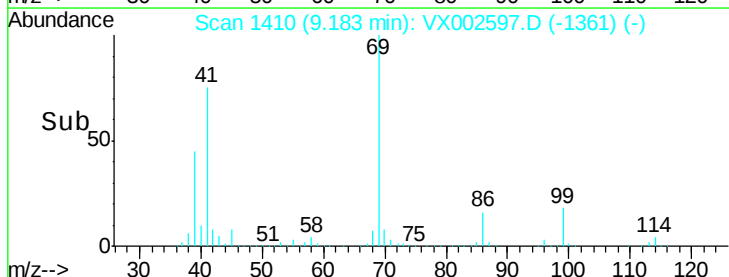
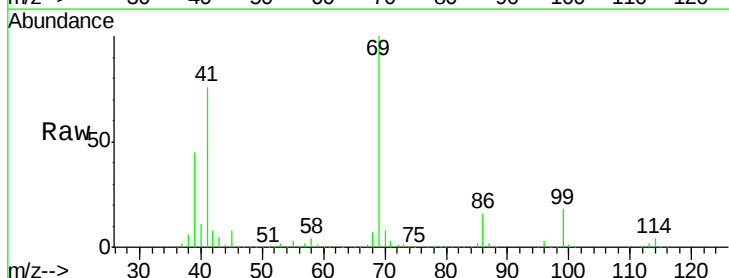
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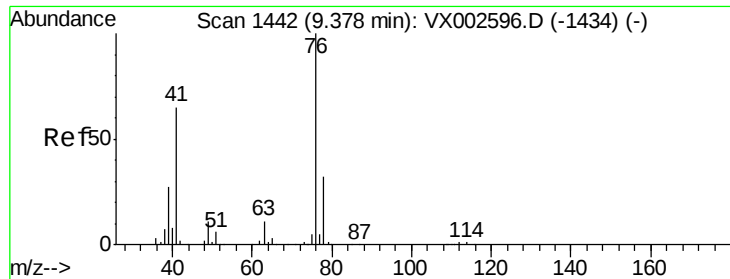
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#56
 Ethyl methacrylate
 Concen: 99.10 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Tgt Ion:	69	Resp:	470245
Ion	Ratio	Lower	Upper
69	100		
41	73.1	60.3	90.5
39	44.3	35.8	53.8





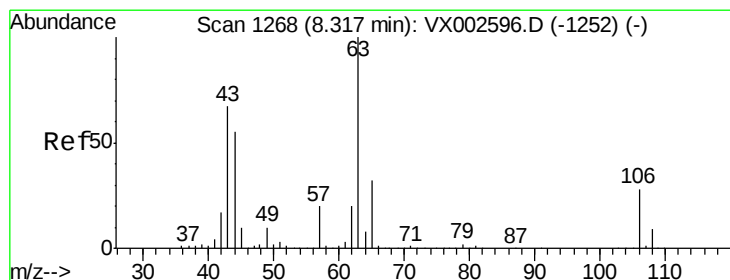
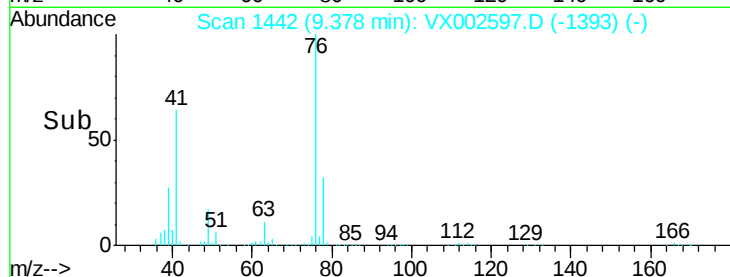
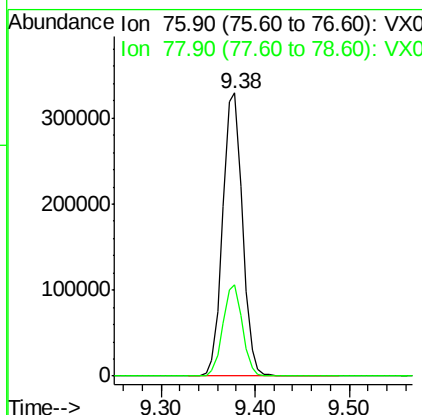
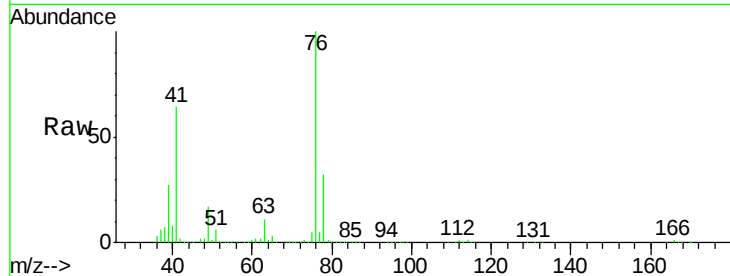
#57
 1,3-Dichloropropane
 Concen: 95.93 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 478317
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

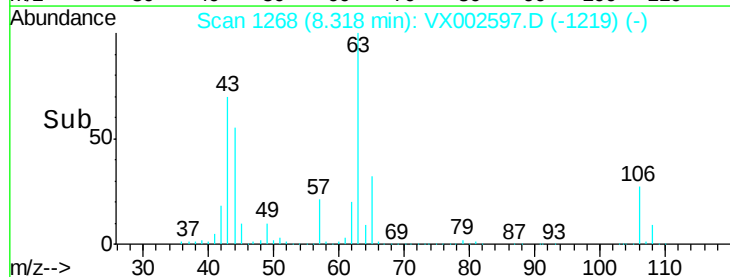
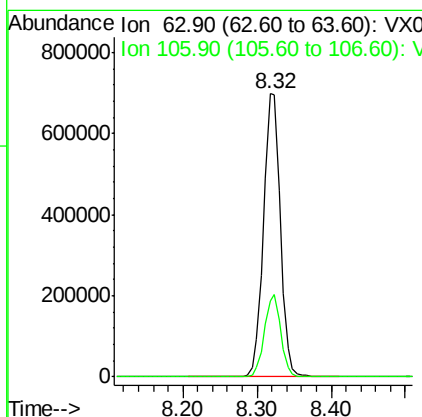
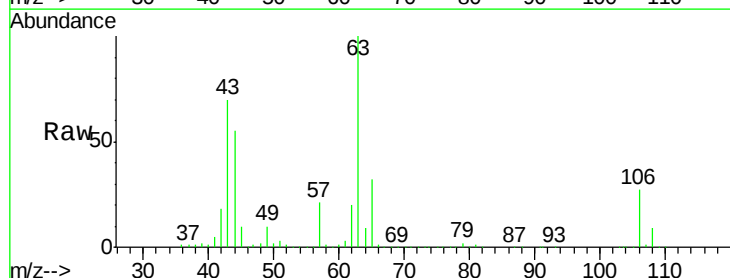
Manual Integrations
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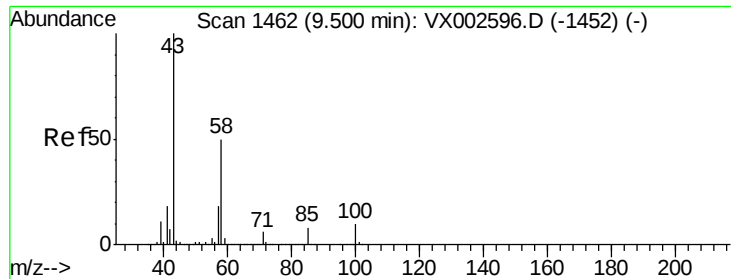
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#58
 2-Chloroethyl Vinyl ether
 Concen: 507.21 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Tgt Ion: 63 Resp: 1113940
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.8 32.8





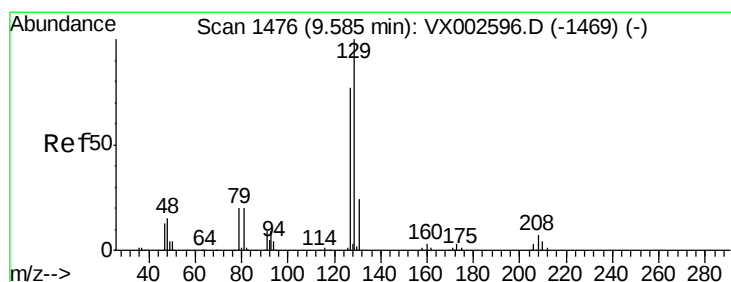
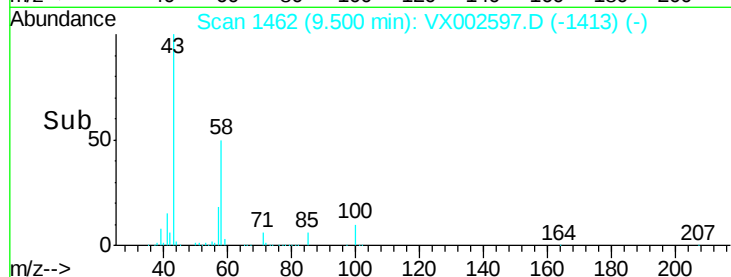
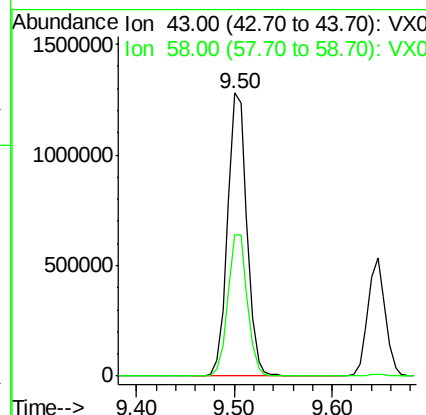
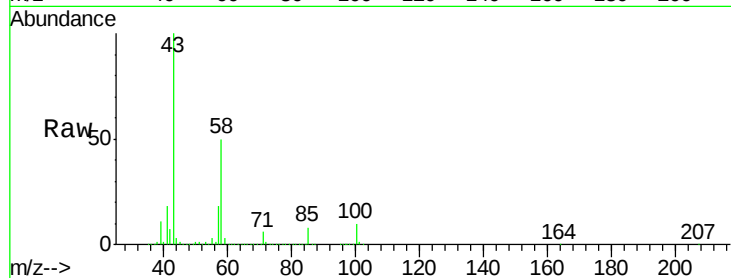
#59
2-Hexanone
Concen: 480.29 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1748665
Ion Ratio Lower Upper
43 100
58 50.5 24.6 73.6

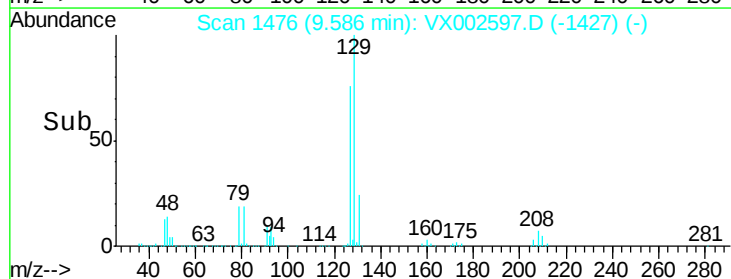
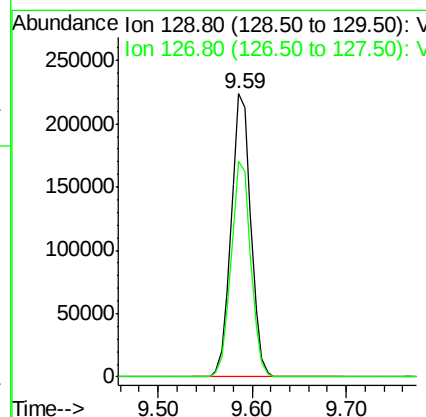
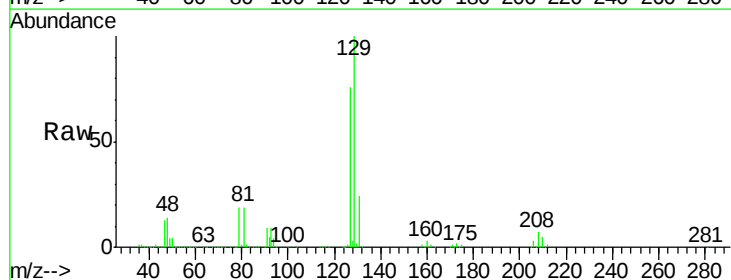
Manual Integrations
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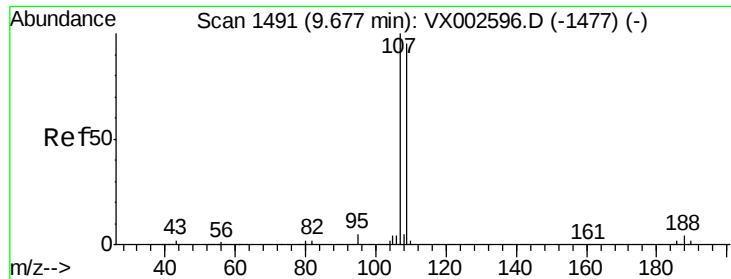
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#60
Dibromochloromethane
Concen: 108.24 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion: 129 Resp: 323596
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 100.27 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:107 Resp: 310740

Ion Ratio Lower Upper

107 100

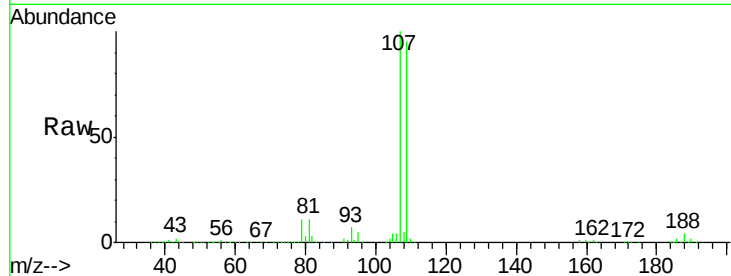
109 95.4 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

250000

200000

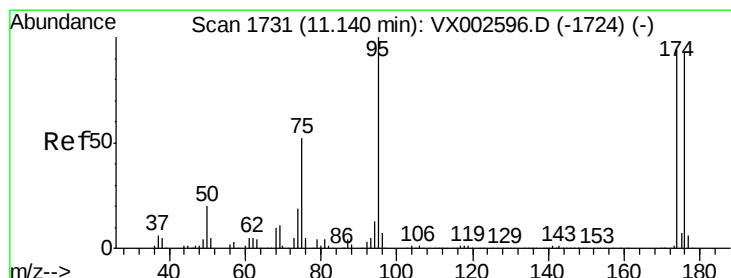
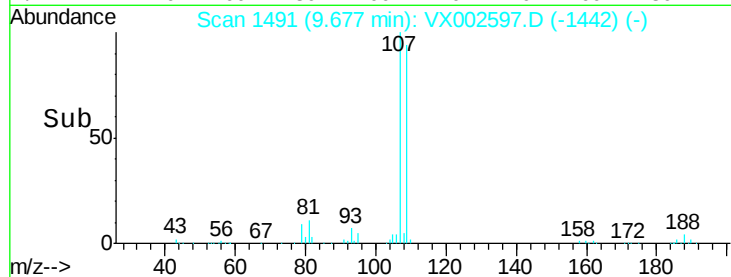
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 101.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

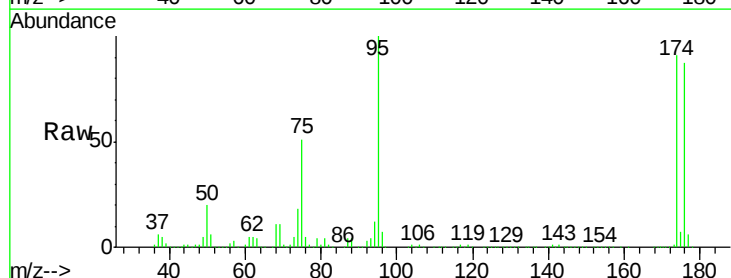
Tgt Ion: 95 Resp: 415136

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.4

176 93.8 0.0 181.0



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

11.14

400000

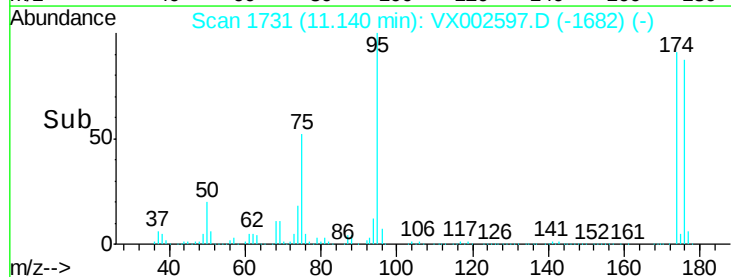
300000

200000

100000

0

Time-->





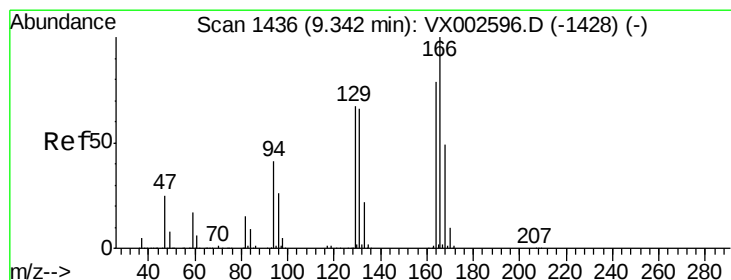
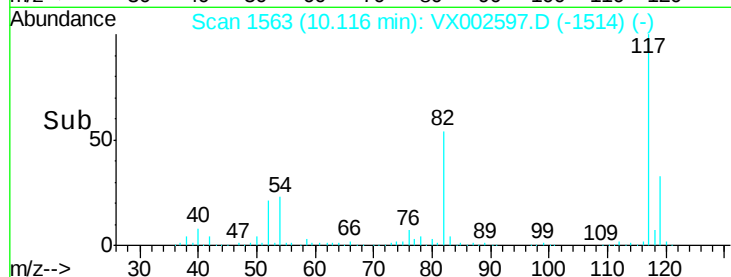
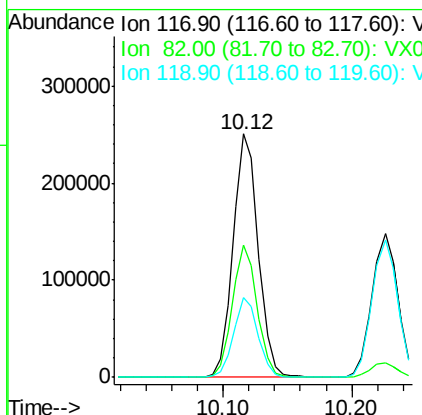
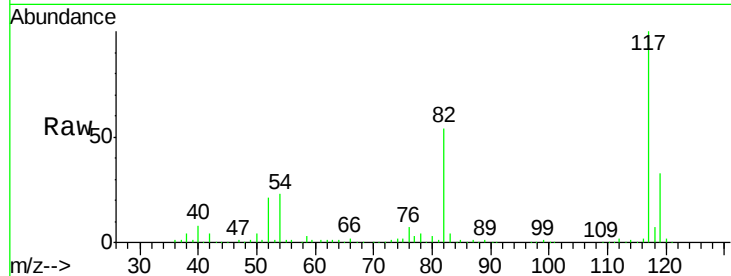
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.0	67.4
119	32.6	25.8	38.6

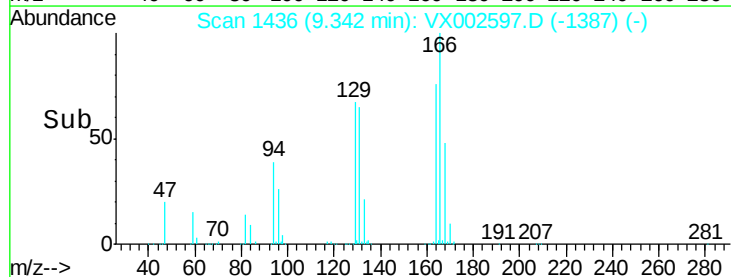
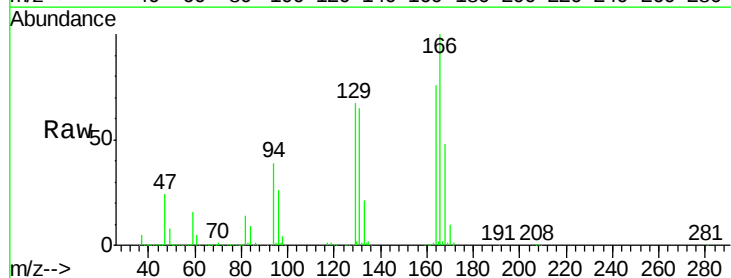
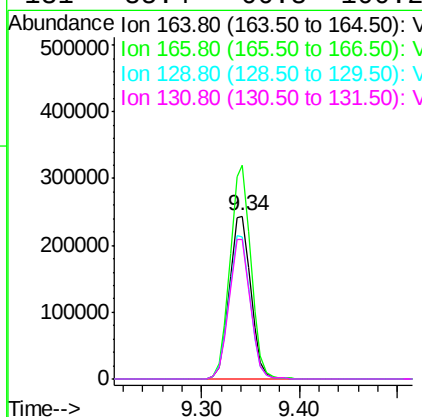
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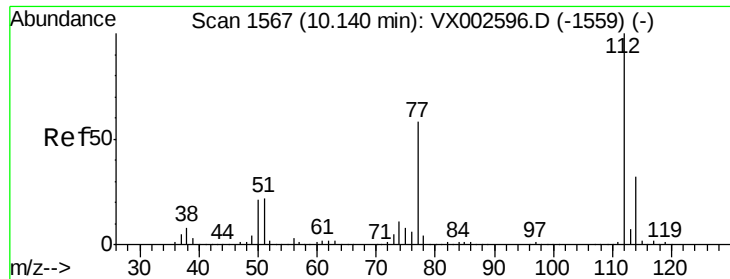
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#64
Tetrachloroethene
Concen: 105.13 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.9	154.3
129	87.3	68.6	102.8
131	85.4	66.8	100.2





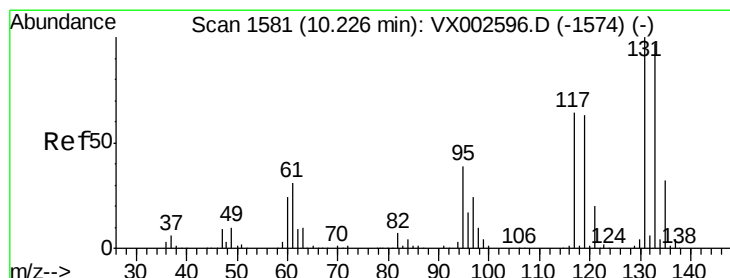
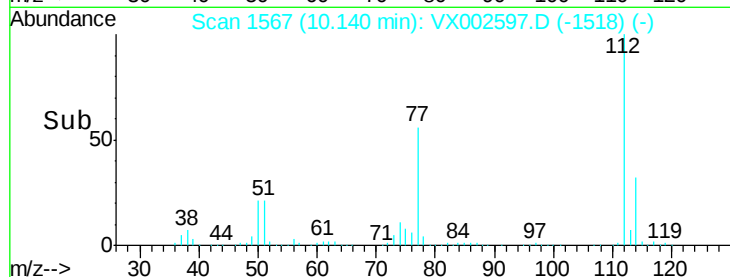
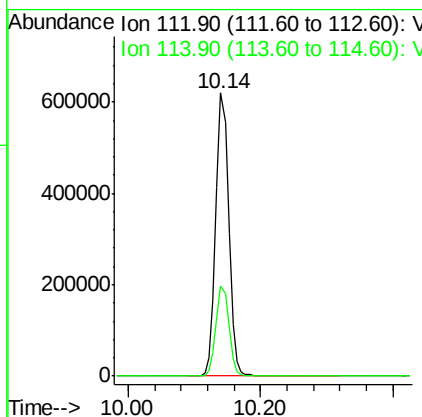
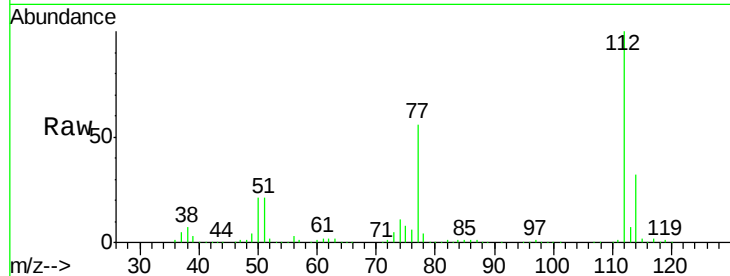
#65
Chlorobenzene
Concen: 98.42 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 836280
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

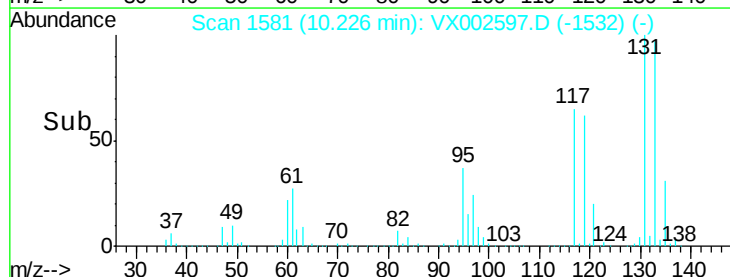
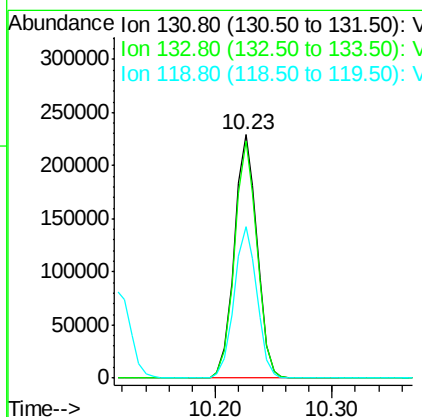
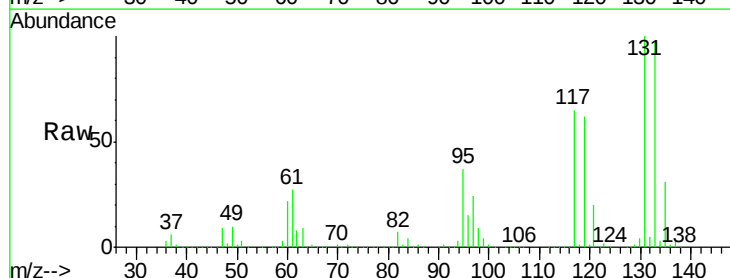
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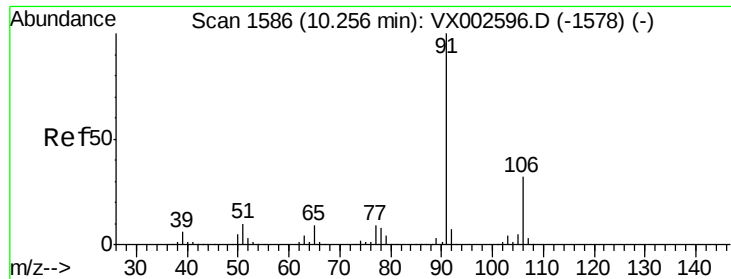
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#66
1,1,1,2-Tetrachloroethane
Concen: 101.16 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion:131 Resp: 311239
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.6
119 62.4 31.8 95.3





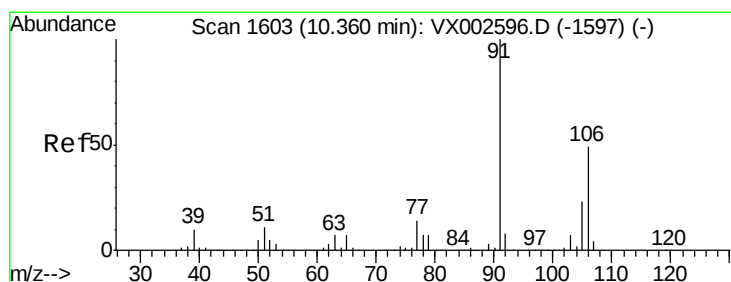
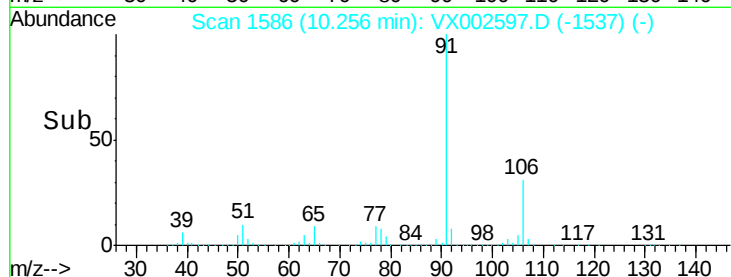
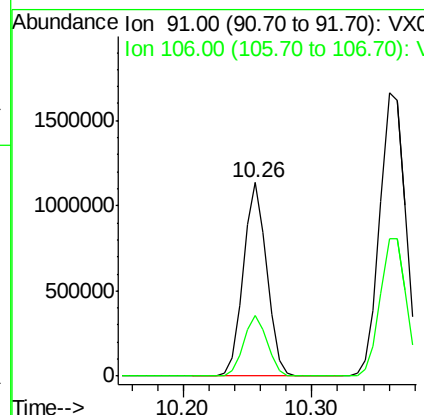
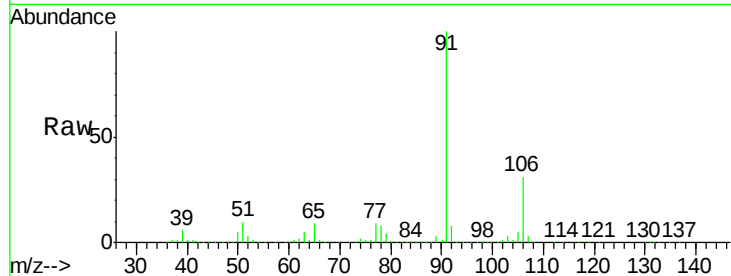
#67
Ethyl Benzene
Concen: 100.67 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1431439
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

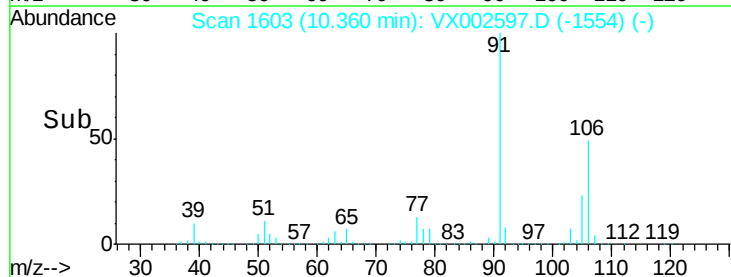
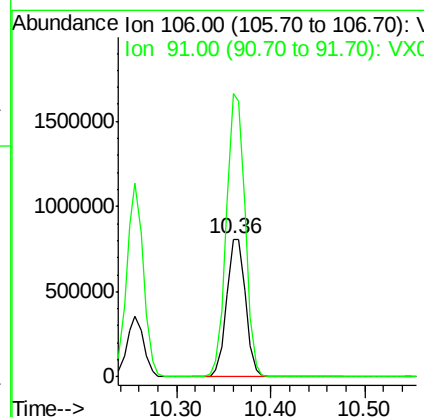
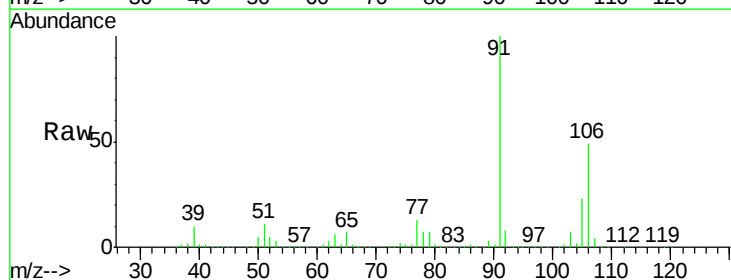
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#68
m/p-Xylenes
Concen: 203.19 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion: 106 Resp: 1123154
Ion Ratio Lower Upper
106 100
91 203.7 163.4 245.2





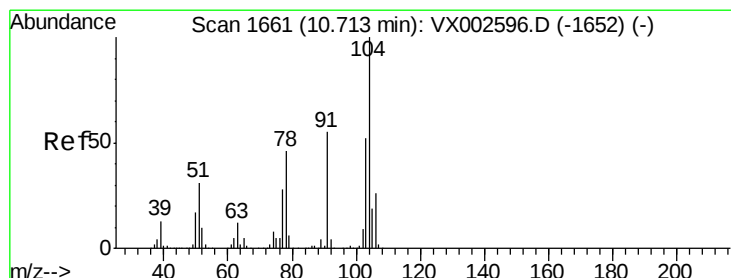
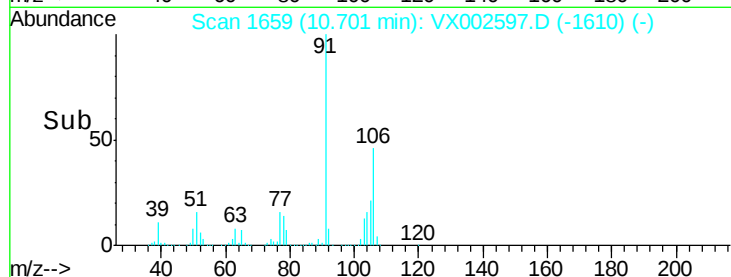
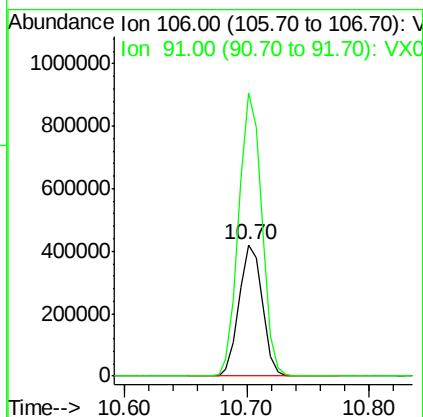
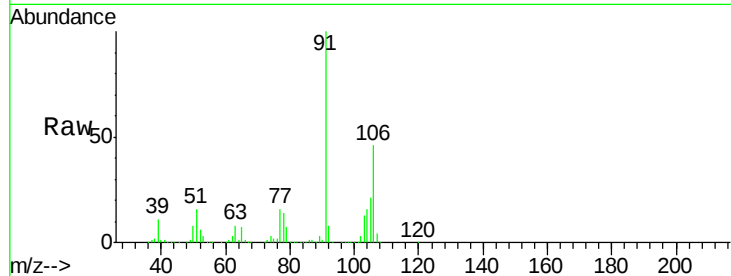
#69
o-Xylene
Concen: 99.86 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.0	108.2	324.6	

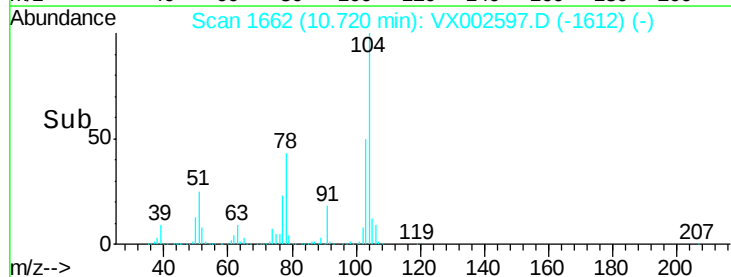
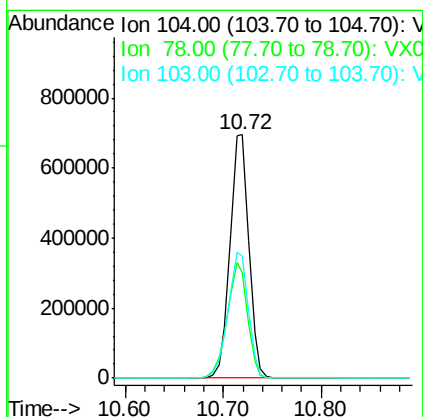
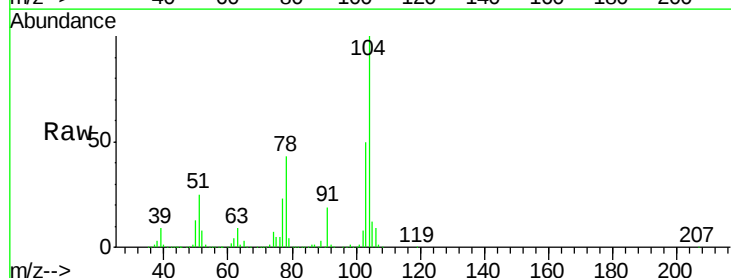
Manual Integrations
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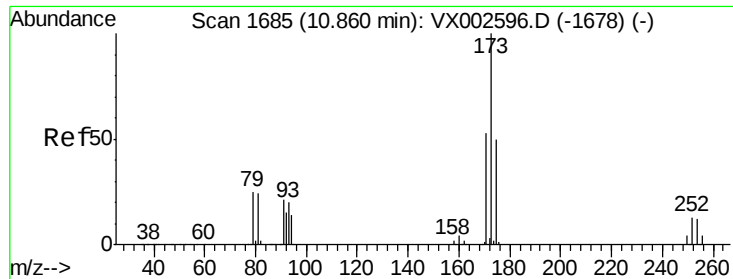
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#70
Styrene
Concen: 103.81 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.8	41.0	61.6	
103	55.7	44.2	66.4	





#71

Bromoform

Concen: 106.84 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 260603

Ion Ratio Lower Upper

173 100

175 49.2 24.7 74.1

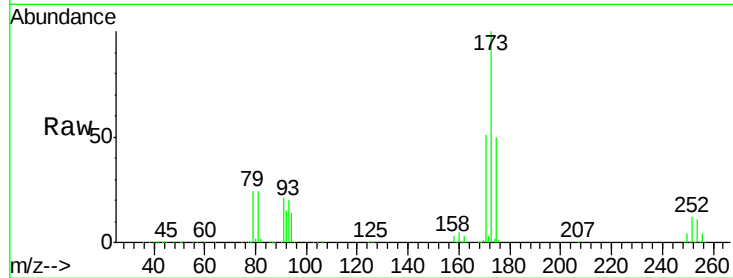
254 0.2 0.2 0.2

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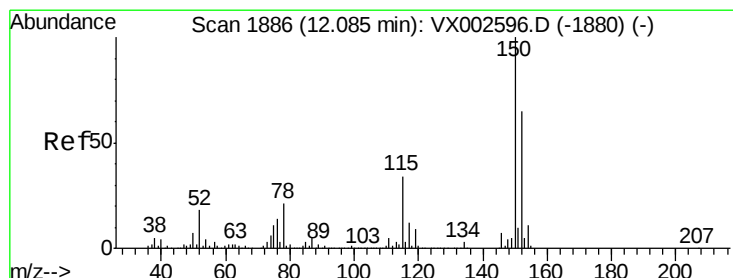
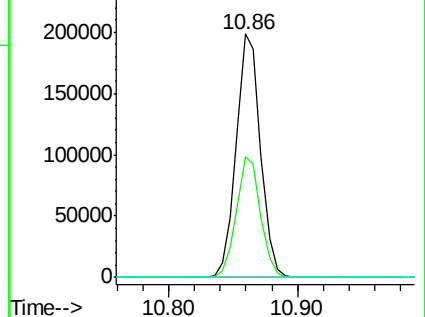
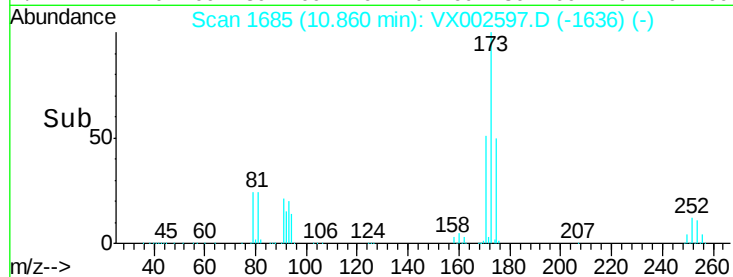
6/18/2018 5:11:59 PM



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

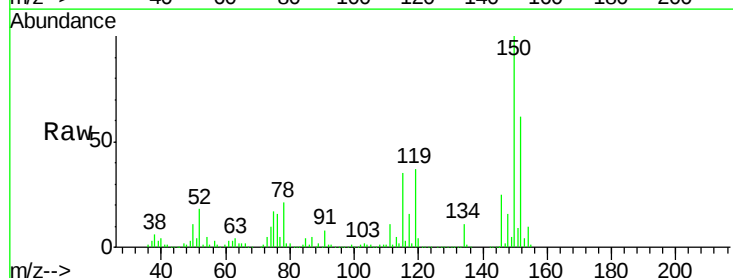
Tgt Ion:152 Resp: 223420

Ion Ratio Lower Upper

152 100

115 103.4 40.1 120.2

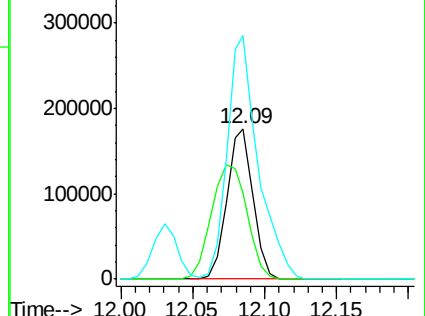
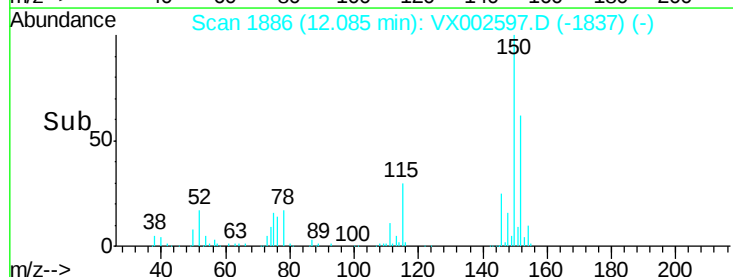
150 192.4 0.0 347.2

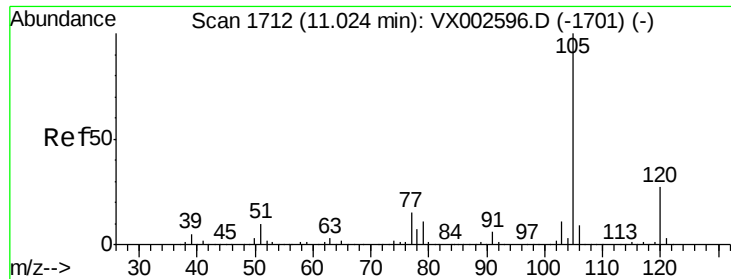


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.42 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1498539

Ion Ratio Lower Upper

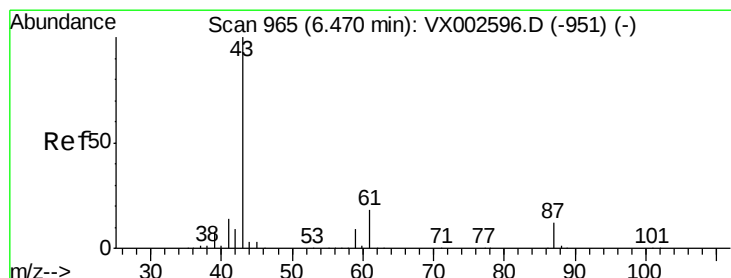
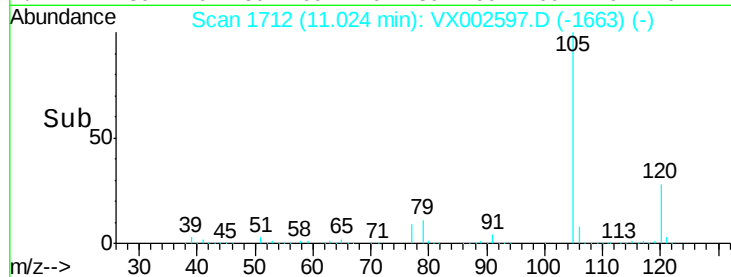
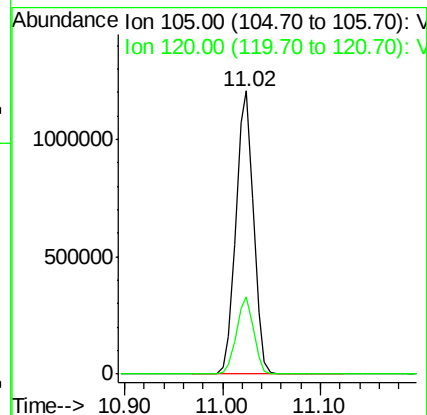
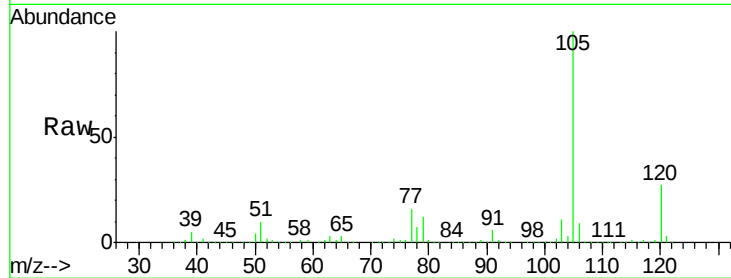
105 100

120 27.0 13.5 40.4

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6/18/2018 5:11:59 PM



#74

N-ethyl acetate

Concen: 85.23 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Tgt Ion: 43 Resp: 713731

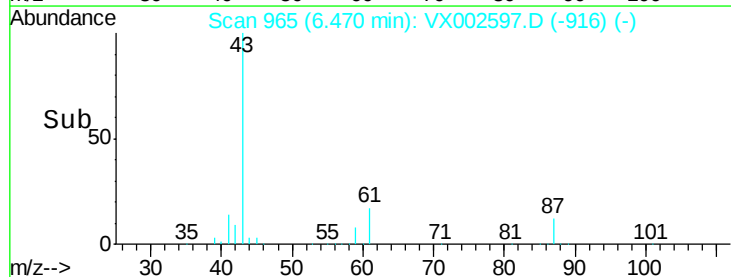
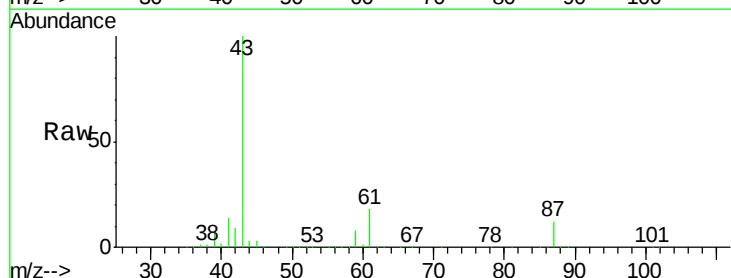
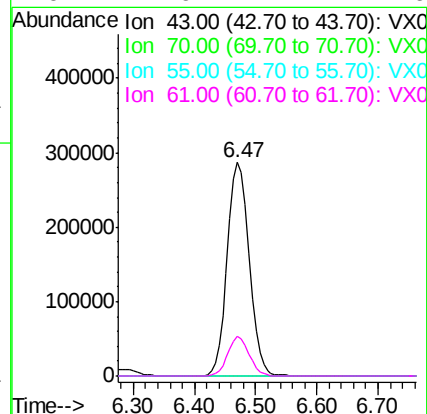
Ion Ratio Lower Upper

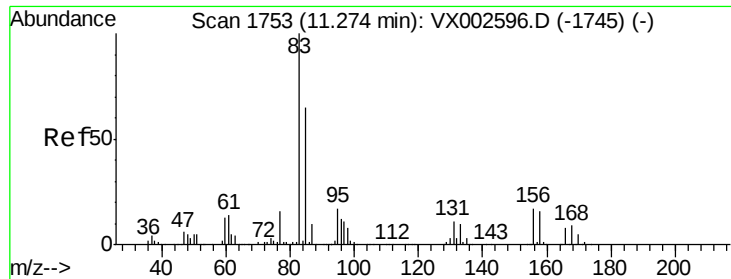
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 88.95 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 434814

Ion Ratio Lower Upper

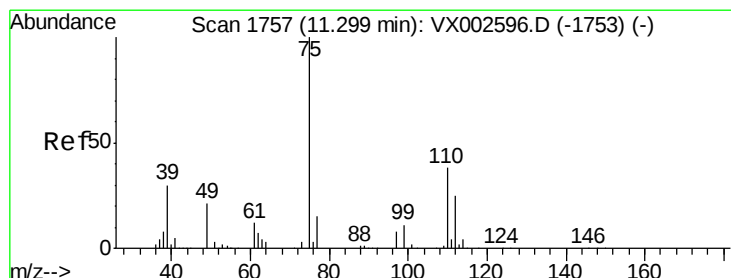
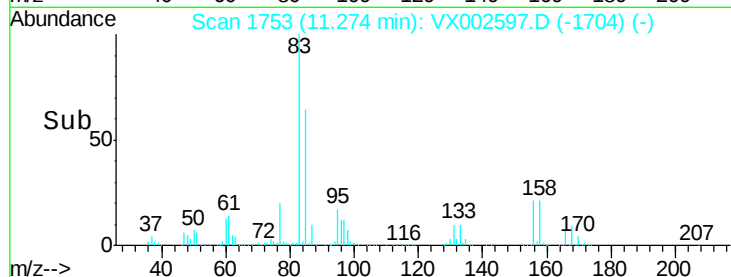
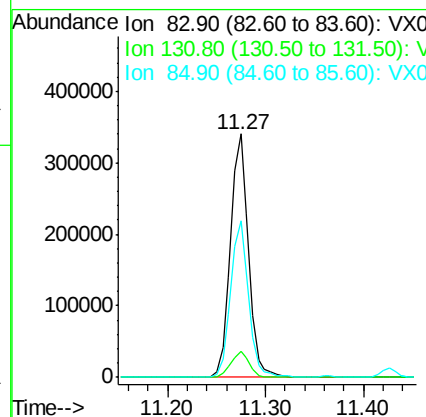
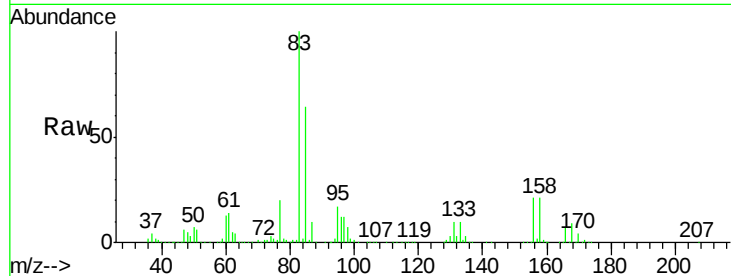
83 100

131 10.8 5.6 16.8

85 64.1 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 76.76 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002597.D

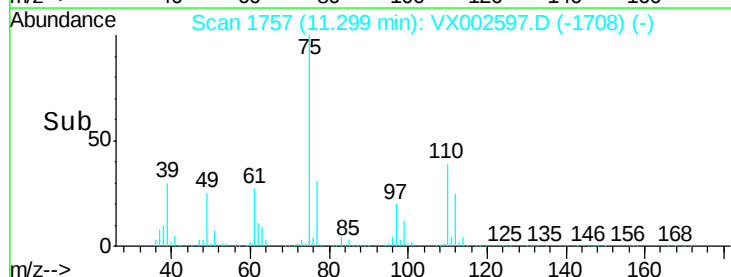
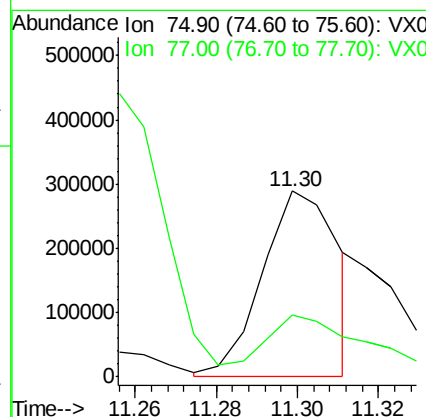
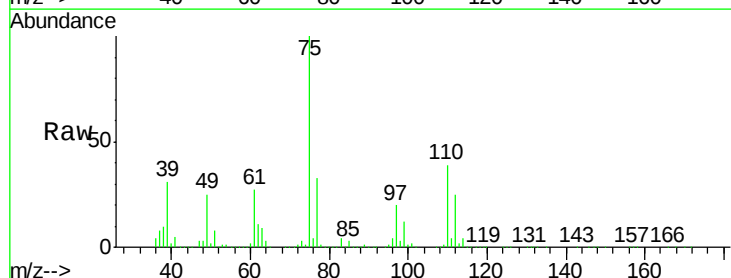
Acq: 15 Jun 2018 13:21

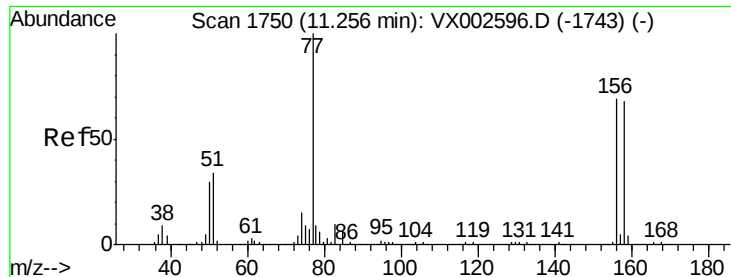
Tgt Ion: 75 Resp: 376302

Ion Ratio Lower Upper

75 100

77 45.0 22.8 68.3





#77

Bromobenzene

Concen: 94.43 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 412029

Ion Ratio Lower Upper

156 100

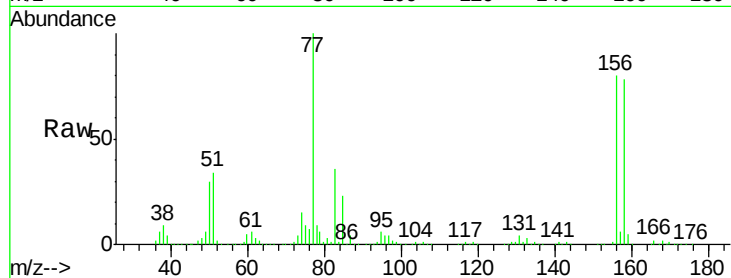
77 137.4 71.4 214.2

158 98.1 48.9 146.6

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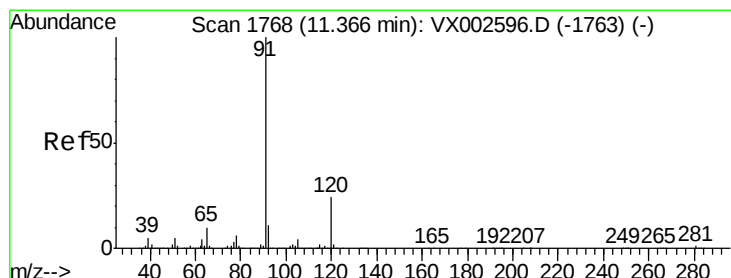
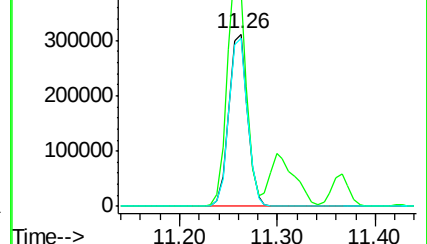
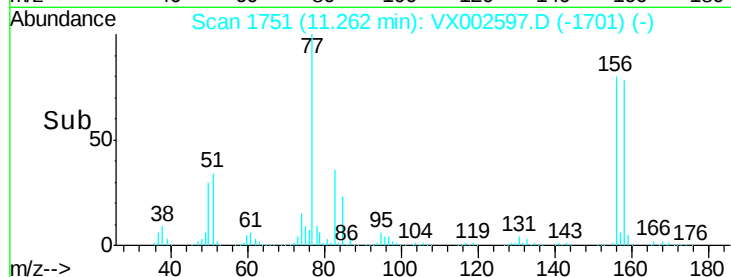
6/18/2018 5:11:59 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 100.05 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002597.D

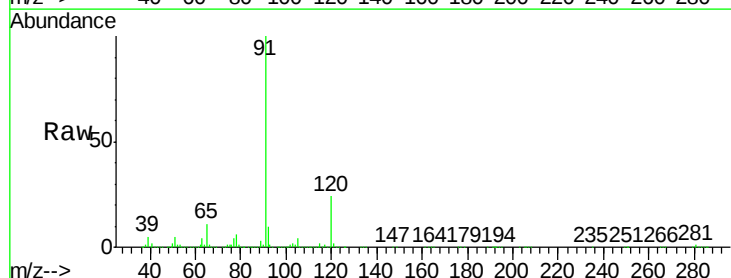
Acq: 15 Jun 2018 13:21

Tgt Ion: 91 Resp: 1728409

Ion Ratio Lower Upper

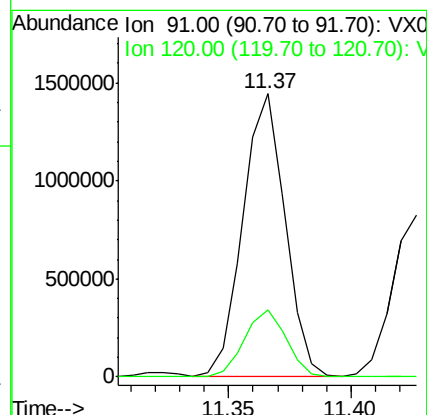
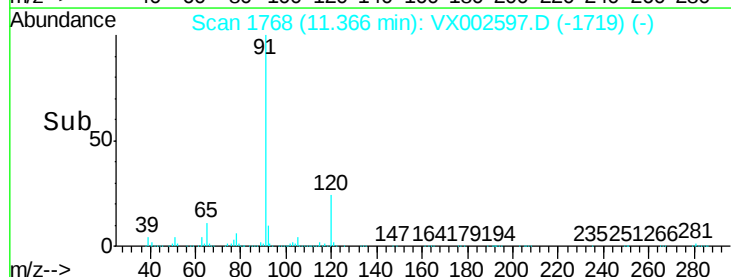
91 100

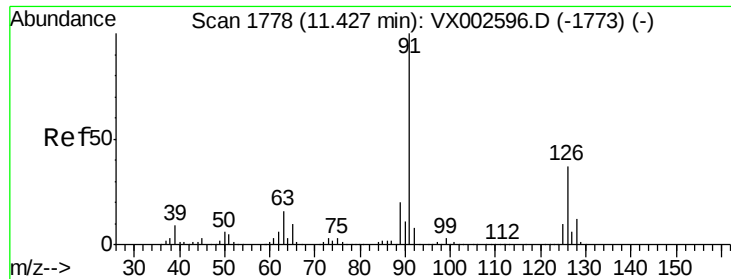
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.60 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 999122

Ion Ratio Lower Upper

91 100

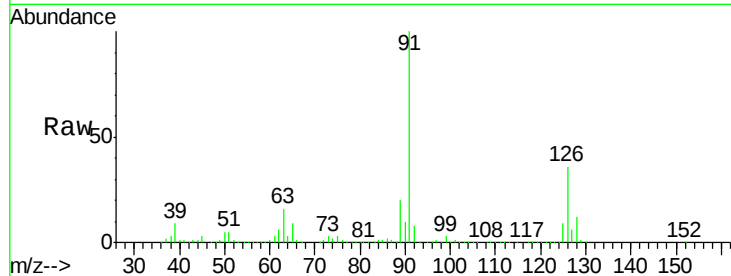
126 35.7 17.7 53.1

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6/18/2018 5:11:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002596.D (-1773) (-)

1500000

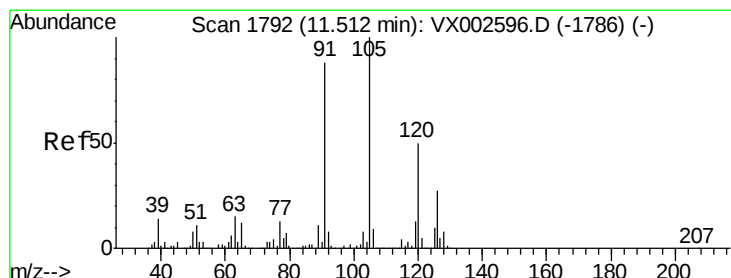
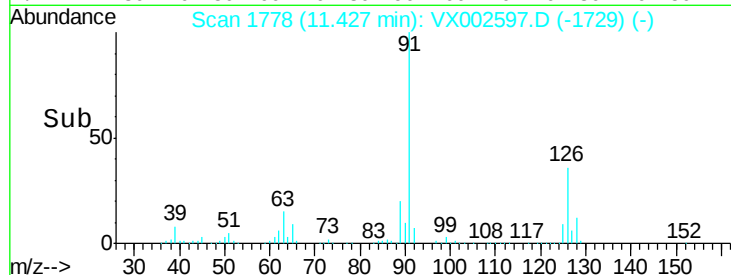
1000000

500000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 95.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002597.D

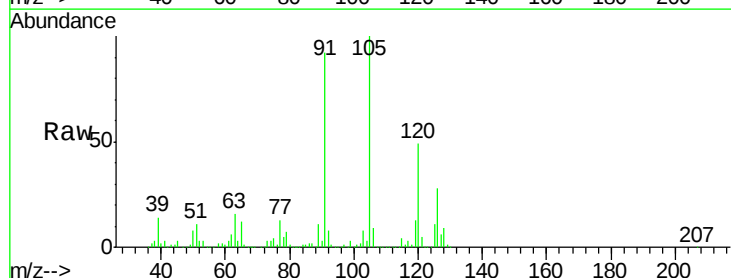
Acq: 15 Jun 2018 13:21

Tgt Ion:105 Resp: 1279389

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002596.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002596.D (-1786) (-)

1200000

1000000

800000

600000

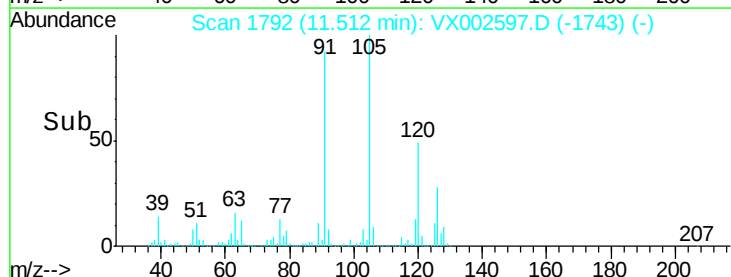
400000

200000

0

11.40 11.50 11.60

Time-->





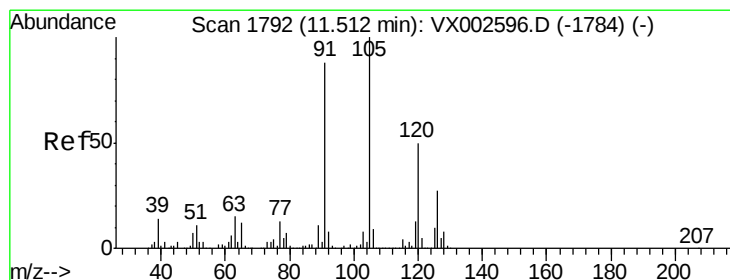
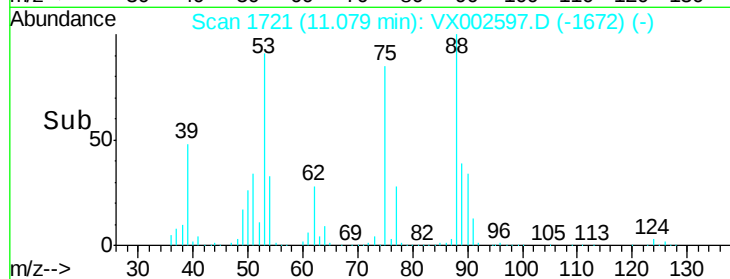
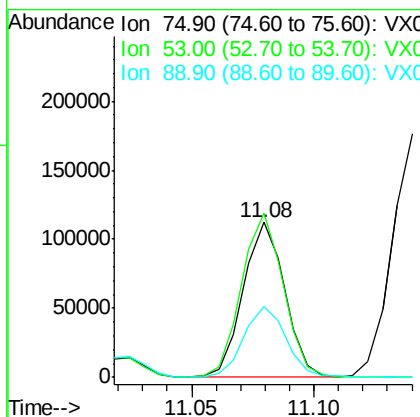
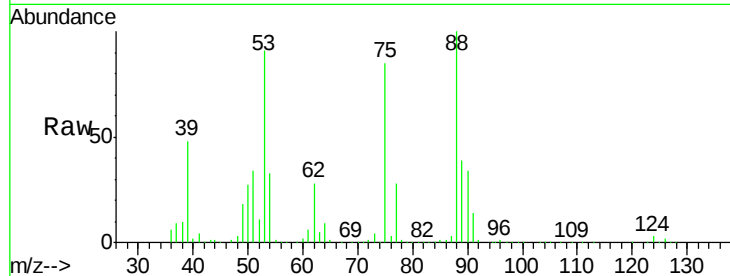
#81
trans-1,4-Dichloro-2-butene
Concen: 94.61 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.0	86.8	130.2
89	47.4	38.2	57.2

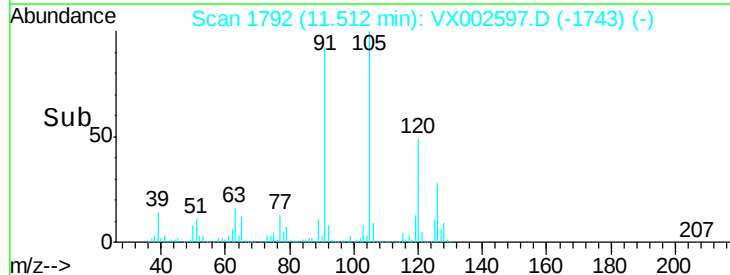
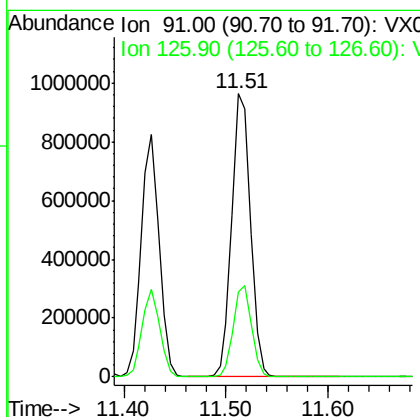
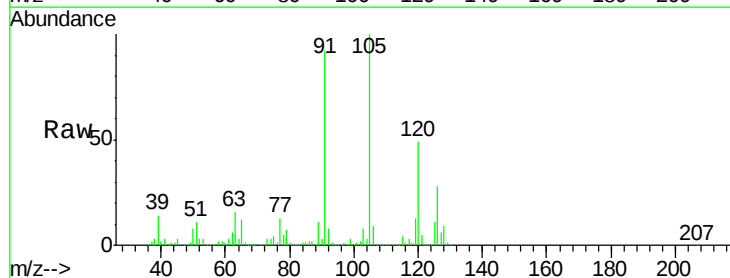
Manual Integrations
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#82
4-Chlorotoluene
Concen: 96.48 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.4





#83

tert-Butylbenzene

Concen: 95.50 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1239759

Ion Ratio Lower Upper

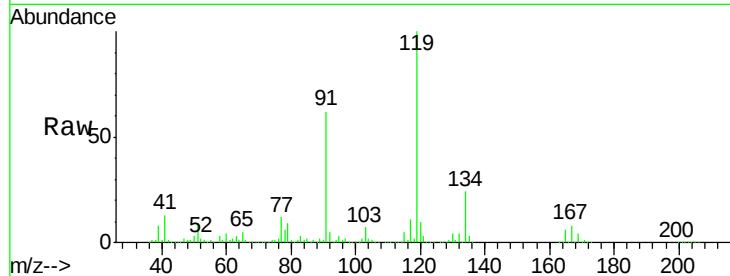
119 100

91 59.8 30.3 90.9

134 23.7 11.7 35.1

Manual Integrations
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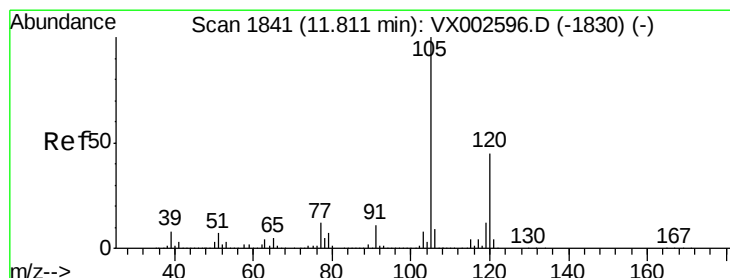
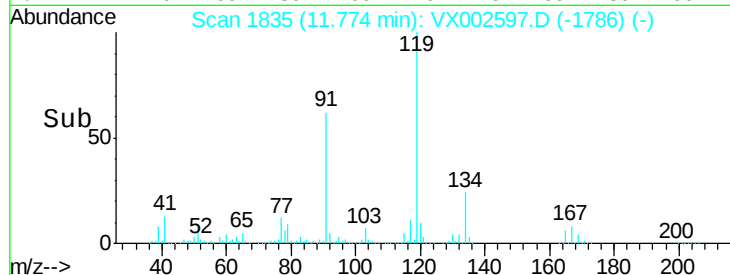
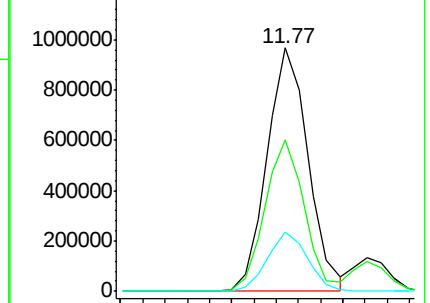
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 95.22 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002597.D

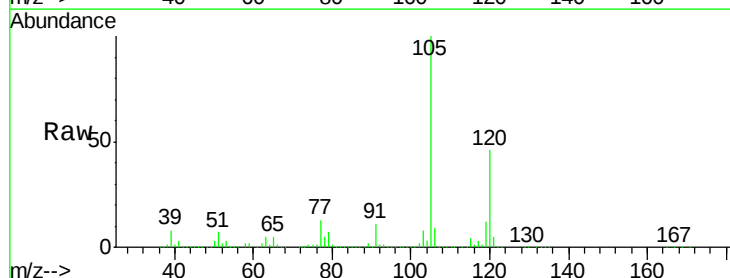
Acq: 15 Jun 2018 13:21

Tgt Ion:105 Resp: 1306616

Ion Ratio Lower Upper

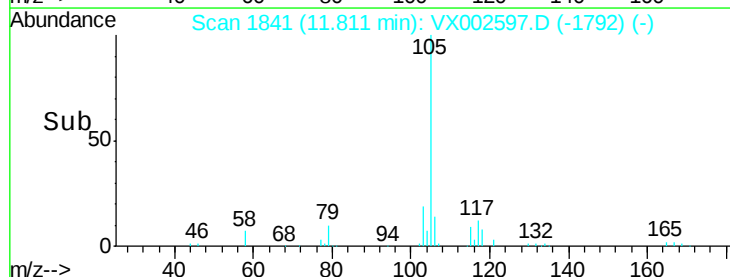
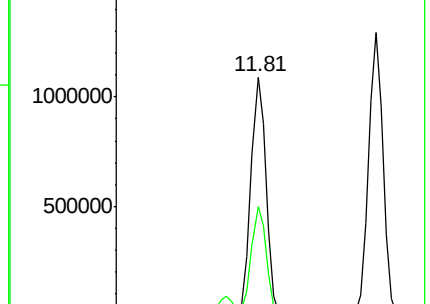
105 100

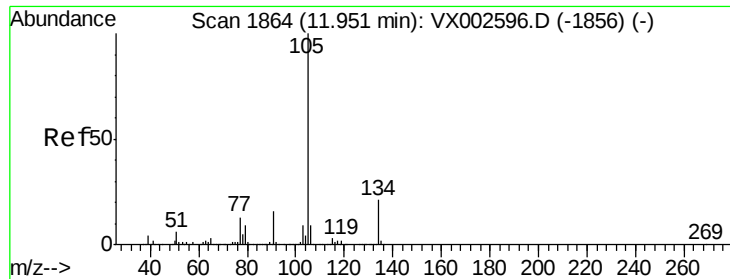
120 44.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.77 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1548796

Ion Ratio Lower Upper

105 100

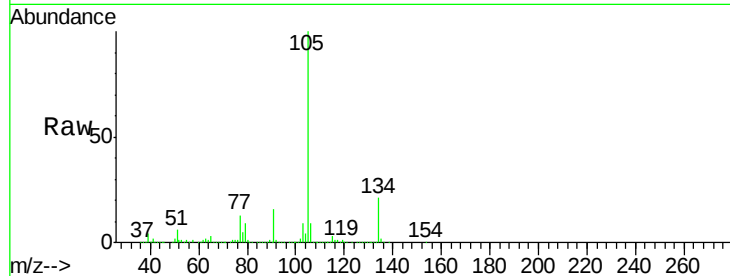
134 20.8 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

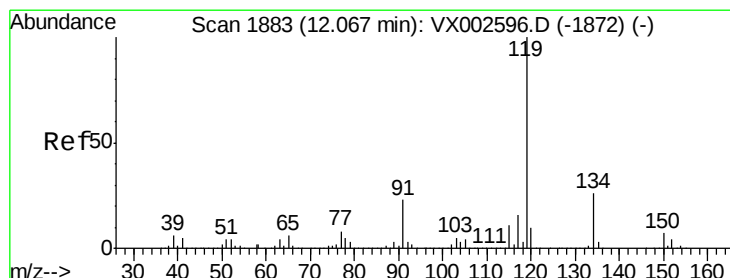
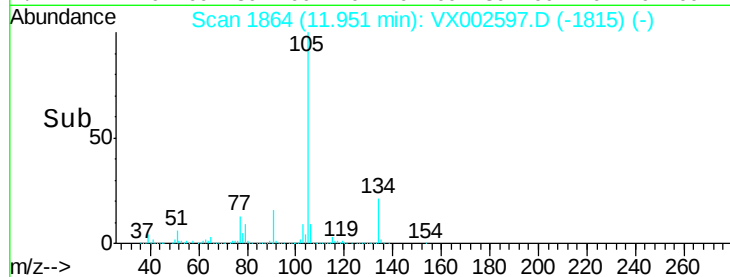
11.95

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 101.52 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

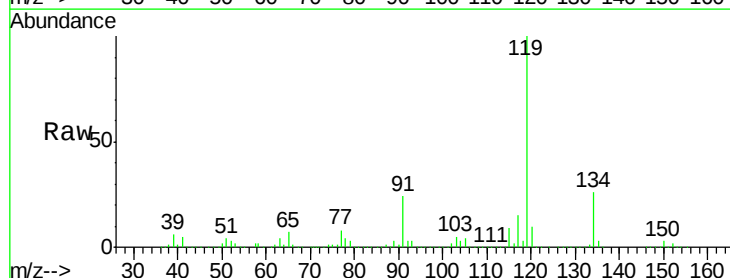
Tgt Ion:119 Resp: 1407281

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

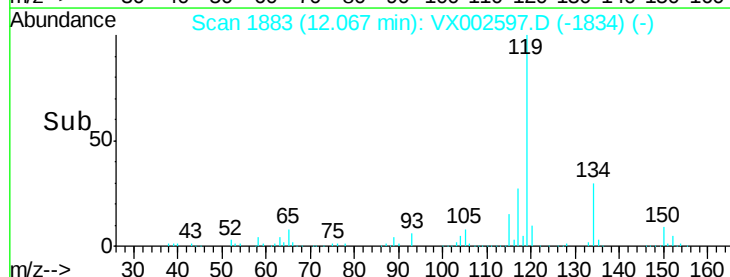
12.07

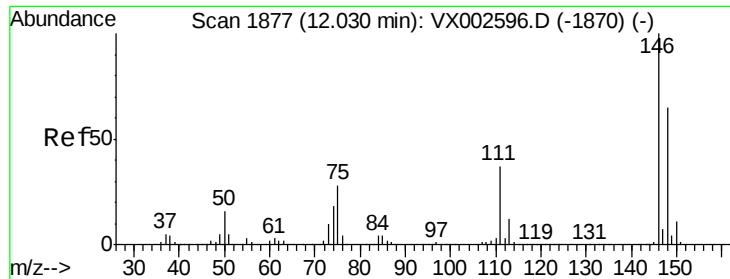
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 96.67 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 754163

Ion Ratio Lower Upper

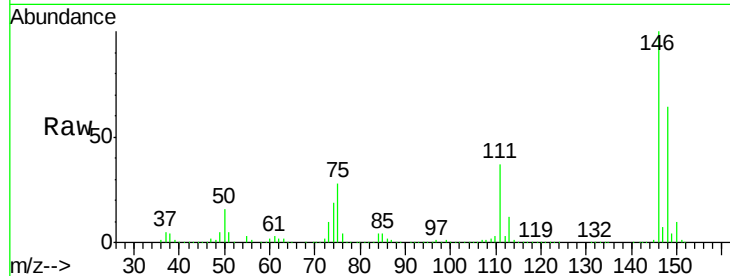
146 100

111 37.4 18.9 56.7

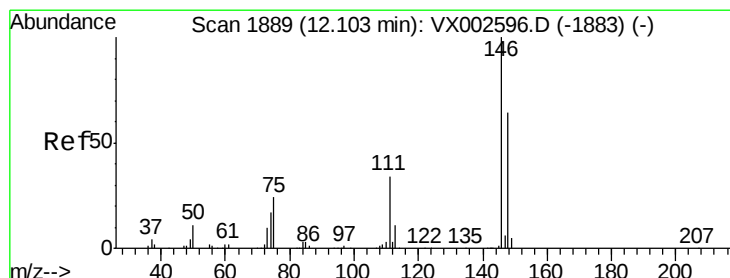
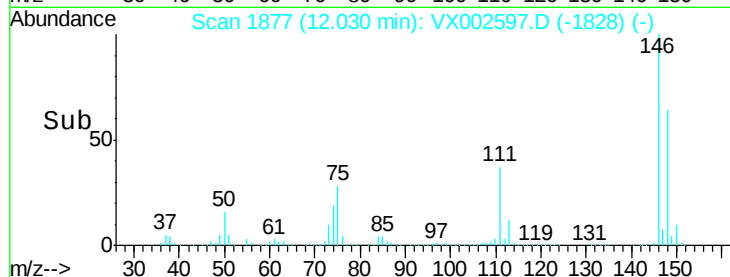
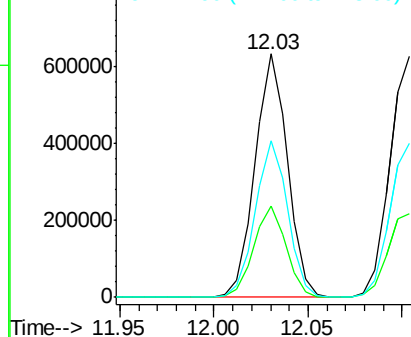
148 64.2 32.1 96.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 94.98 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

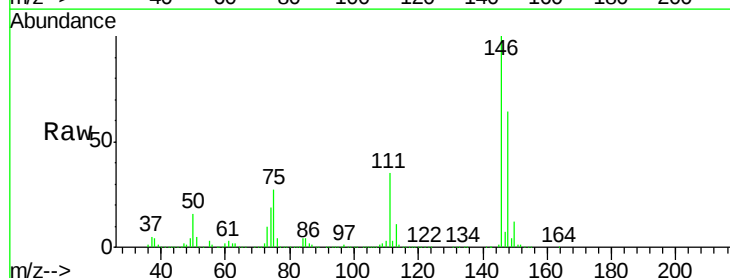
Tgt Ion:146 Resp: 763757

Ion Ratio Lower Upper

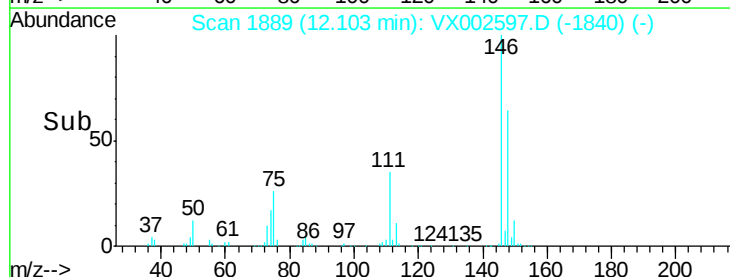
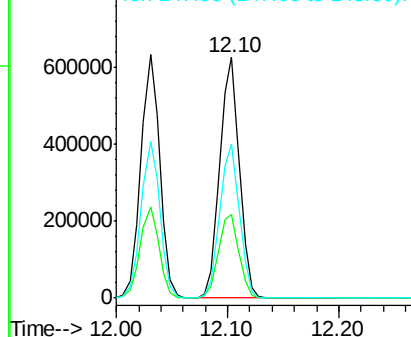
146 100

111 36.3 18.7 56.1

148 64.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





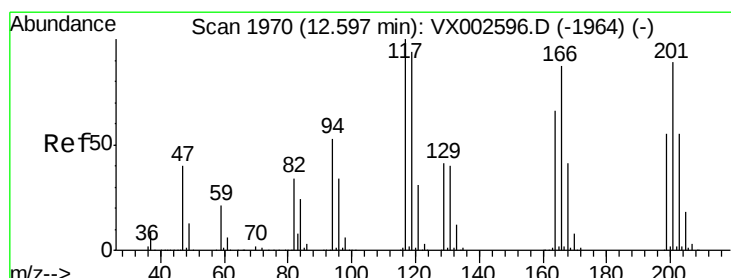
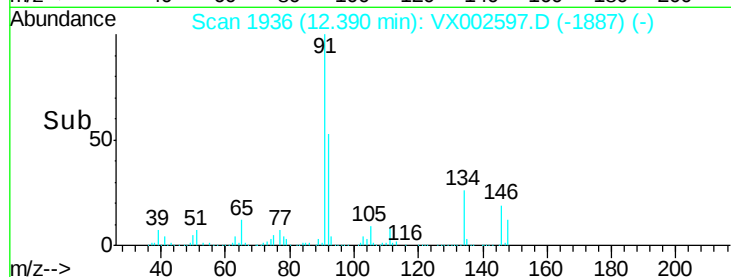
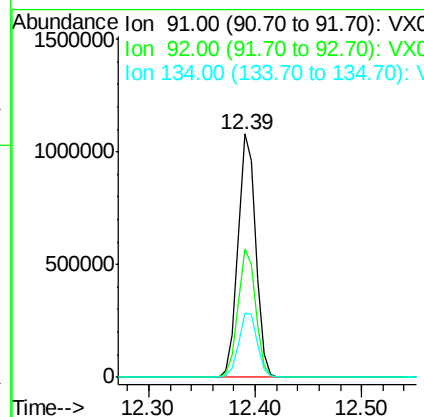
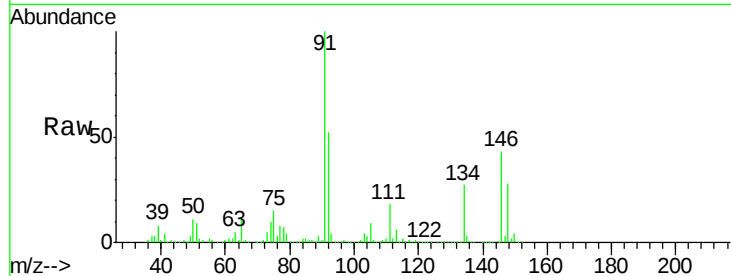
#89
n-Butylbenzene
Concen: 108.87 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1265674
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 27.5 13.5 40.5

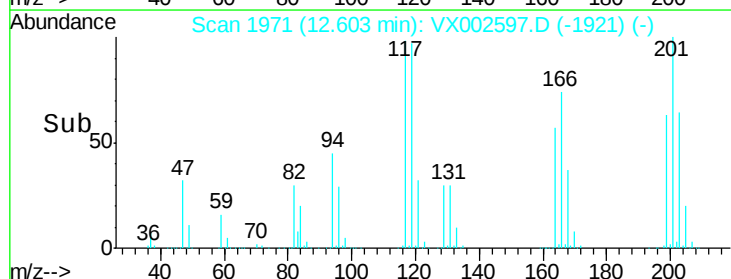
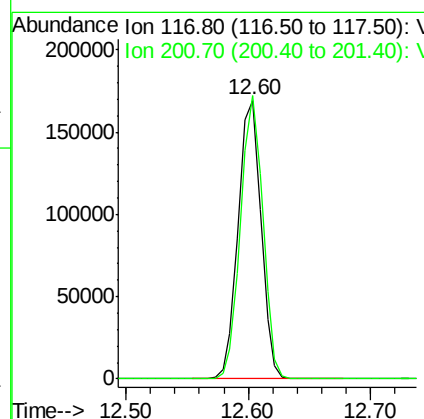
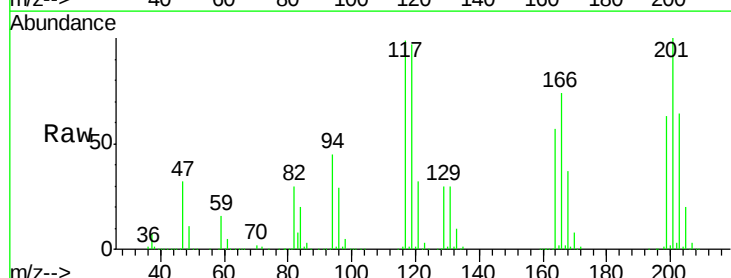
Manual Integrations
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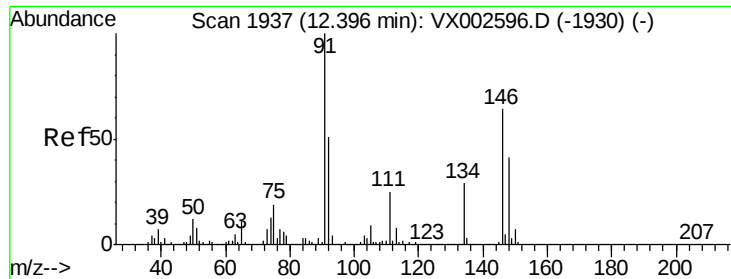
MMDadoda
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#90
Hexachloroethane
Concen: 98.42 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion: 117 Resp: 217780
Ion Ratio Lower Upper
117 100
201 99.0 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 94.18 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 760235

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

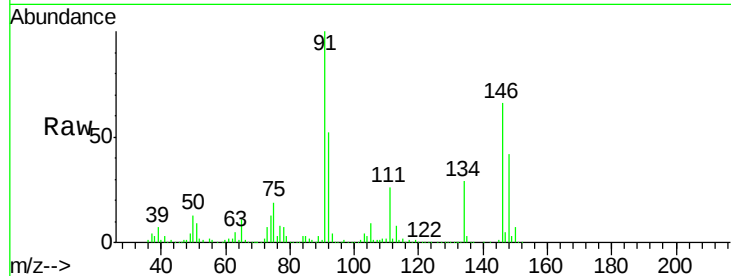
148 64.0 31.7 95.1

Manual Integrations

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6/18/2018 5:11:59 PM

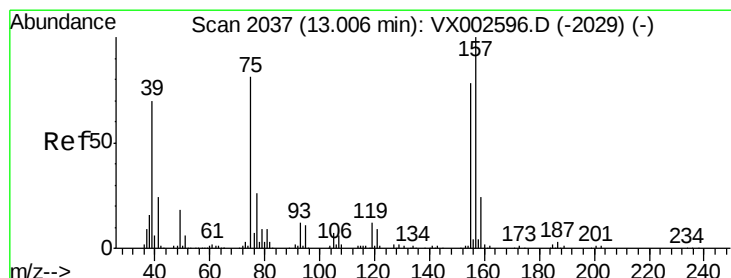
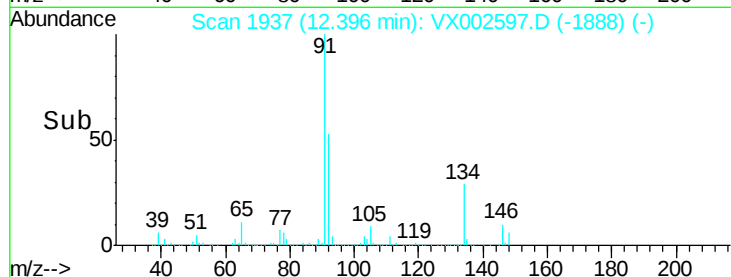


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time--> 12.30 12.40 12.50



#92

1,2-Dibromo-3-Chloropropane

Concen: 97.47 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002597.D

Acq: 15 Jun 2018 13:21

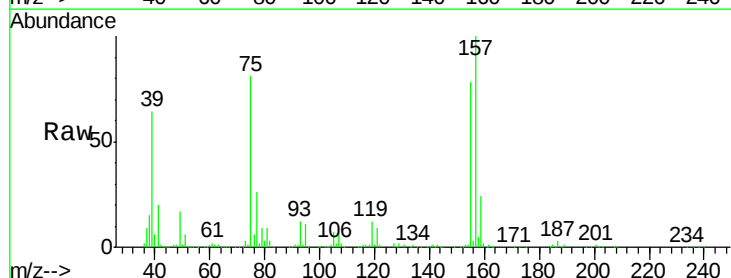
Tgt Ion: 75 Resp: 104195

Ion Ratio Lower Upper

75 100

155 93.9 45.8 137.4

157 121.1 60.1 180.3

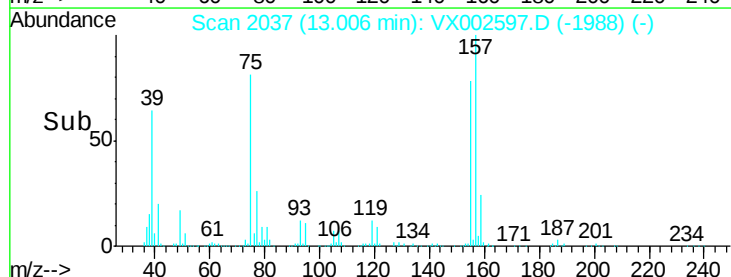


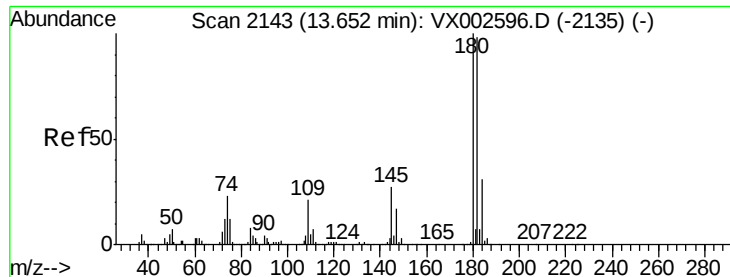
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time--> 12.90 13.00 13.10





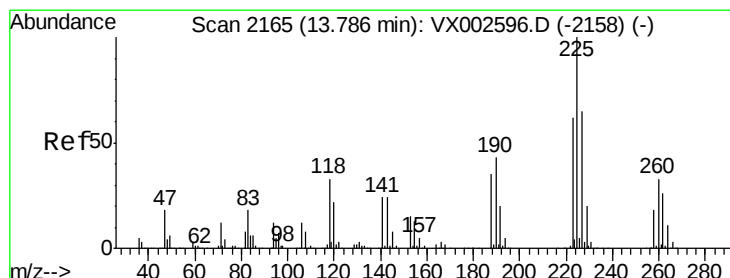
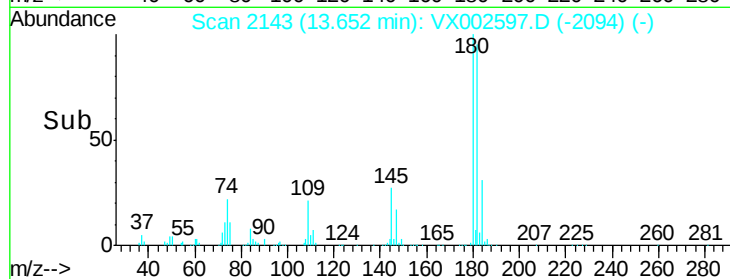
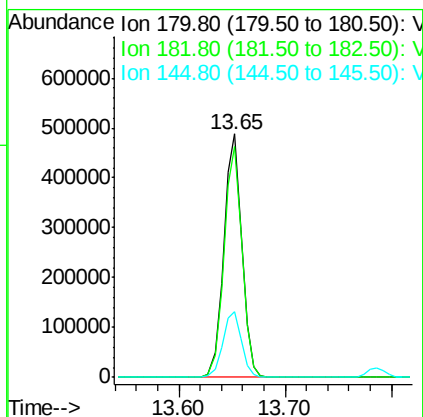
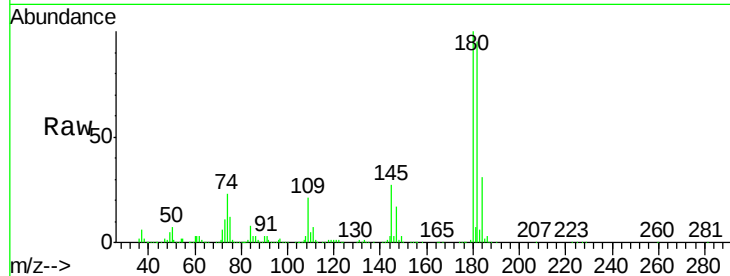
#93
 1,2,4-Trichlorobenzene
 Concen: 101.60 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	575078		
182	95.2	47.7	143.1	
145	27.9	14.1	42.4	

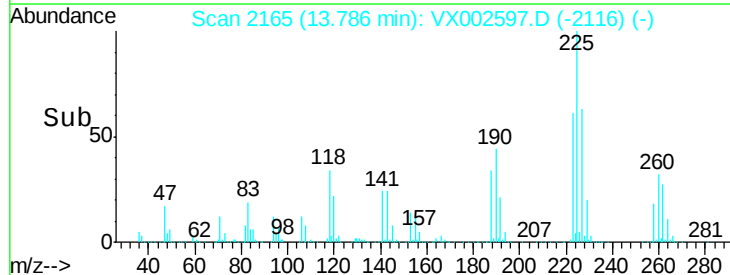
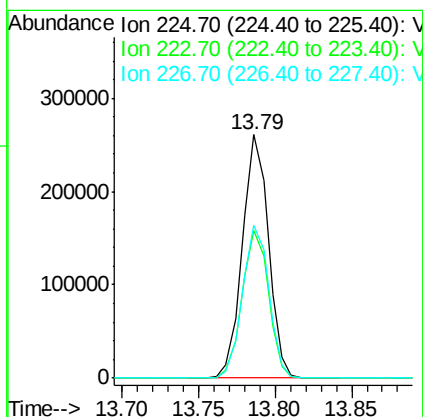
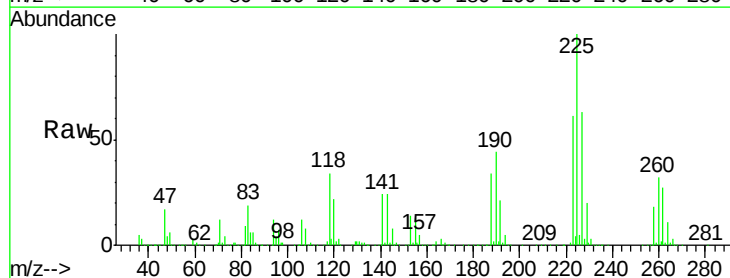
Manual Integrations
 APPROVED

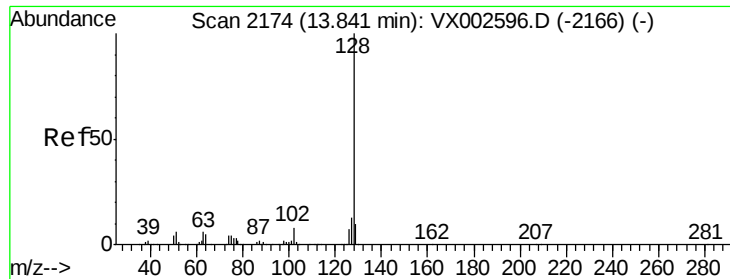
MMDadoda
 6/18/2018 5:11:59 PM



#94
 Hexachlorobutadiene
 Concen: 110.16 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002597.D
 Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308115		
223	61.8	31.6	95.0	
227	63.9	32.4	97.2	





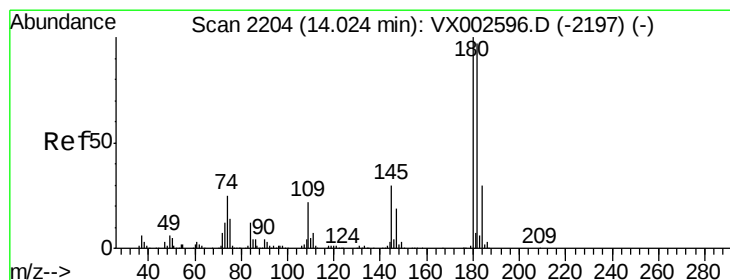
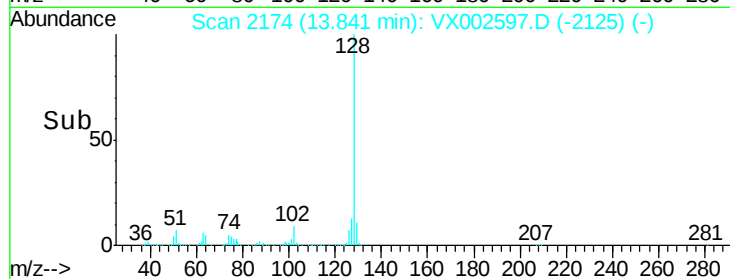
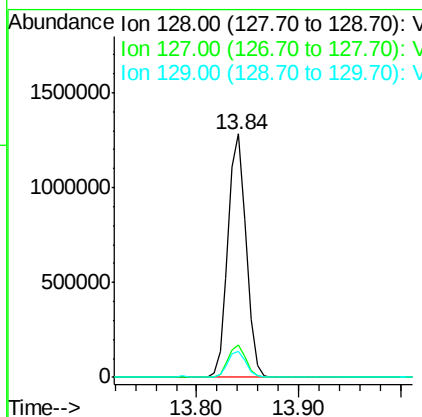
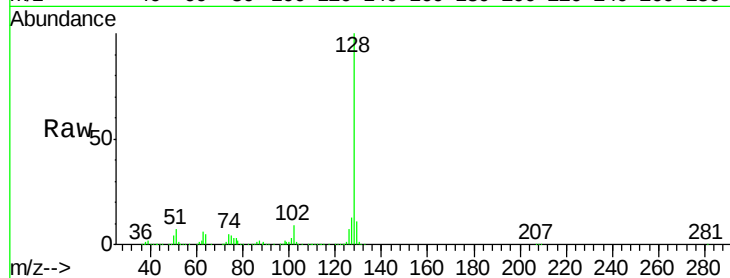
#95
Naphthalene
Concen: 96.35 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 98.56 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002597.D
Acq: 15 Jun 2018 13:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	29.5	14.8	44.3

