

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002603.D
 Acq On : 15 Jun 2018 18:23
 Operator : JC/MD
 Sample : VX0615WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:02 PM

Quant Time: Jun 16 02:02:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162752	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	5.51	113	124004	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	8.72	98	479016	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.14	95	177596	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46943	19.84	ug/l	100
3) Chloromethane	1.32	50	53561	19.03	ug/l	96
4) Vinyl Chloride	1.40	62	57460	19.67	ug/l	99
5) Bromomethane	1.64	94	38180	21.66	ug/l	100
6) Chloroethane	1.72	64	38602	20.05	ug/l	97
7) Trichlorofluoromethane	1.93	101	97756	20.60	ug/l	98
8) Diethyl Ether	2.19	74	36630	20.29	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54777	20.65	ug/l	98
10) Methyl Iodide	2.51	142	45841	16.66	ug/l	99
11) Tert butyl alcohol	3.07	59	71144	101.59	ug/l	98
12) 1,1-Dichloroethene	2.37	96	49664	19.94	ug/l	98
13) Acrolein	2.29	56	31159	99.16	ug/l	100
14) Allyl chloride	2.73	41	94595	19.13	ug/l	97
15) Acrylonitrile	3.15	53	157138	102.82	ug/l	100
16) Acetone	2.45	43	144356	96.58	ug/l	98
17) Carbon Disulfide	2.57	76	117887	19.95	ug/l	100
18) Methyl Acetate	2.78	43	80263	20.16	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	186527	19.96	ug/l	100
20) Methylene Chloride	2.86	84	55446	18.09	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	54527	20.18	ug/l	97
22) Diisopropyl ether	3.87	45	174070	19.45	ug/l	95
23) Vinyl Acetate	3.82	43	784361	104.73	ug/l	99
24) 1,1-Dichloroethane	3.70	63	105727	21.77	ug/l	99
25) 2-Butanone	4.71	43	199772	101.78	ug/l	98
26) 2,2-Dichloropropane	4.59	77	64136	18.38	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	53750	19.55	ug/l	99
28) Bromochloromethane	5.03	49	46175	20.30	ug/l	99
29) Tetrahydrofuran	5.17	42	130134	101.16	ug/l	98
30) Chloroform	5.22	83	93524	19.97	ug/l	95
31) Cyclohexane	5.58	56	81696	20.43	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	79918	20.40	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67825	20.00	ug/l	99
37) Ethyl Acetate	4.87	43	78753	20.52	ug/l	98
38) Carbon Tetrachloride	5.79	117	69293	20.52	ug/l	95

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Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:02 PM

Quant Time: Jun 16 02:02:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82880	20.91	ug/l	98
40) Benzene	6.15	78	202179	19.89	ug/l	98
41) Methacrylonitrile	5.07	41	44318	20.45	ug/l	98
42) 1,2-Dichloroethane	6.20	62	80556	20.47	ug/l	100
43) Isopropyl Acetate	6.47	43	125949	19.81	ug/l	99
44) Trichloroethene	7.21	130	58682	20.00	ug/l	99
45) 1,2-Dichloropropane	7.52	63	54581	20.40	ug/l	98
46) Dibromomethane	7.67	93	36102	20.17	ug/l	99
47) Bromodichloromethane	7.90	83	63145	20.00	ug/l	98
48) Methyl methacrylate	7.78	41	65783	20.25	ug/l	99
49) 1,4-Dioxane	7.76	88	25739	418.32	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	428002	104.84	ug/l	99
52) Toluene	8.79	92	132744	20.47	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	74763	19.43	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	66912	18.92	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	52453	20.02	ug/l	98
56) Ethyl methacrylate	9.18	69	81452	20.20	ug/l	99
57) 1,3-Dichloropropane	9.38	76	89938	20.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	196295	100.64	ug/l	99
59) 2-Hexanone	9.50	43	323621	105.20	ug/l	99
60) Dibromochloromethane	9.59	129	49806	19.39	ug/l	99
61) 1,2-Dibromoethane	9.68	107	55946	20.61	ug/l	99
64) Tetrachloroethene	9.34	164	65390	18.96	ug/l	97
65) Chlorobenzene	10.14	112	151707	19.89	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	52014	20.00	ug/l	99
67) Ethyl Benzene	10.26	91	258926	20.12	ug/l	99
68) m/p-Xylenes	10.36	106	197028	39.69	ug/l	100
69) o-Xylene	10.70	106	97162	19.92	ug/l	98
70) Styrene	10.71	104	159855	19.93	ug/l	99
71) Bromoform	10.86	173	36012	18.58	ug/l #	98
73) Isopropylbenzene	11.02	105	264123	20.99	ug/l	100
74) N-amyl acetate	6.47	43	125949	20.14	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	78132	21.02	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	70103m	19.74	ug/l	
77) Bromobenzene	11.26	156	71128	20.29	ug/l	99
78) n-propylbenzene	11.37	91	301862	20.91	ug/l	100
79) 2-Chlorotoluene	11.43	91	175756	20.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	222209	20.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17912	18.97	ug/l	86
82) 4-Chlorotoluene	11.51	91	208859	20.54	ug/l	99
83) tert-Butylbenzene	11.77	119	218251	21.30	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	225993	20.82	ug/l	98
85) sec-Butylbenzene	11.95	105	268330	21.06	ug/l	99
86) p-Isopropyltoluene	12.07	119	241406	20.94	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	128886	20.04	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	132295	20.22	ug/l	100
89) n-Butylbenzene	12.39	91	209790	20.63	ug/l	99
90) Hexachloroethane	12.60	117	32387	19.70	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	130984	20.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16239	20.86	ug/l	100

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0615WBS01

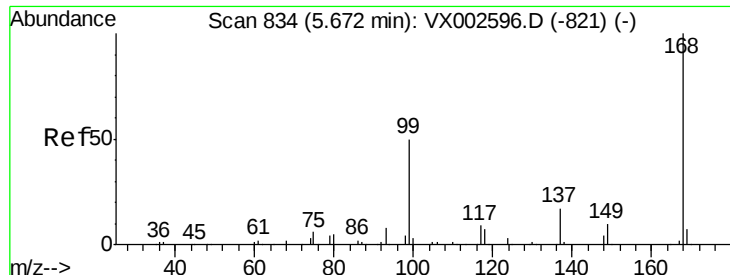
Manual Integrations
APPROVED

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6/18/2018 5:12:02 PM

Quant Time: Jun 16 02:02:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95217	20.27	ug/l	100
94) Hexachlorobutadiene	13.79	225	52313	21.14	ug/l	97
95) Naphthalene	13.84	128	266259	21.07	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	97043	20.57	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion:168 Resp: 222932

Ion Ratio Lower Upper

168 100

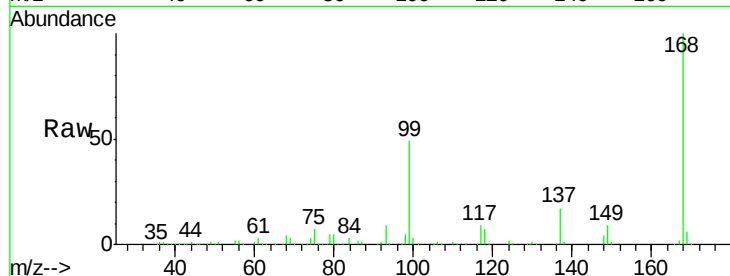
99 49.3 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

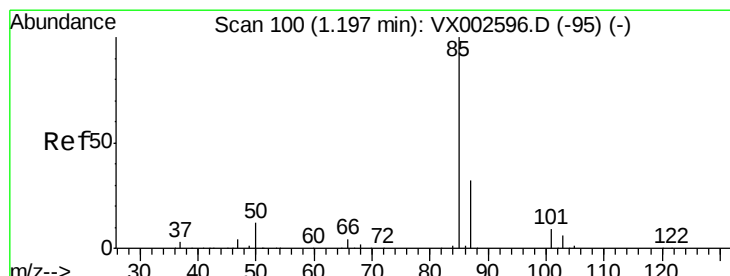
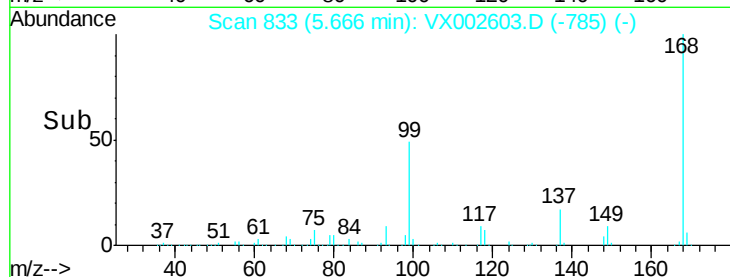
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002603.D

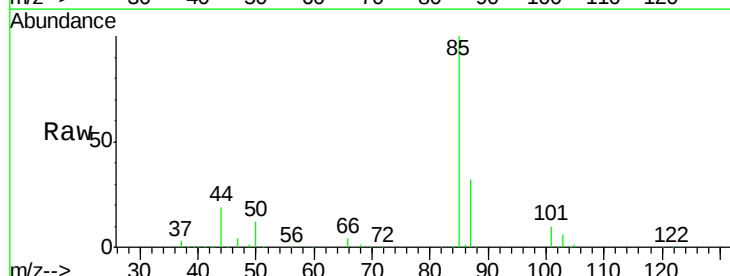
Acq: 15 Jun 2018 18:23

Tgt Ion: 85 Resp: 46943

Ion Ratio Lower Upper

85 100

87 32.0 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

50000

40000

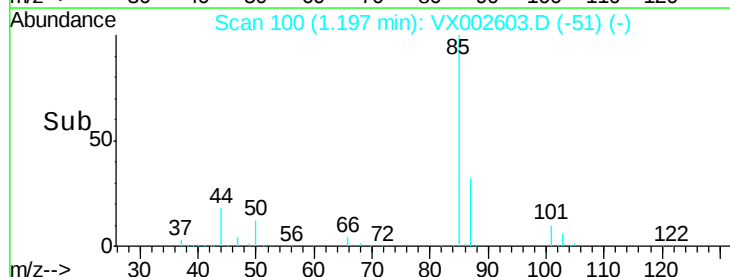
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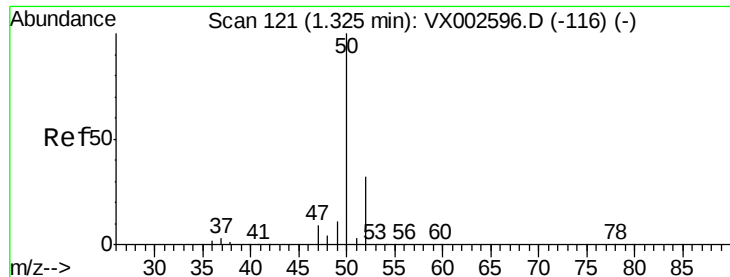
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.03 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion: 50 Resp: 53561

Ion Ratio Lower Upper

50 100

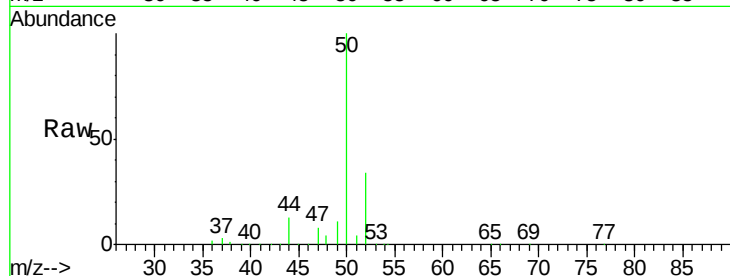
52 34.2 25.7 38.5

Manual Integrations

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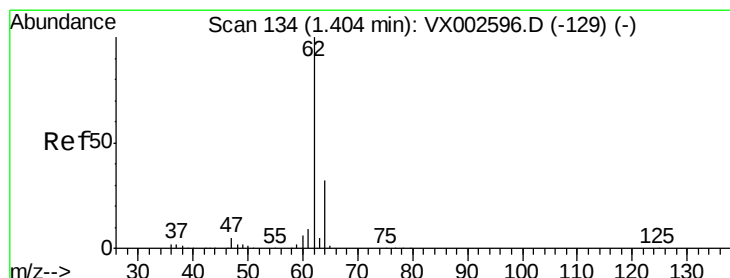
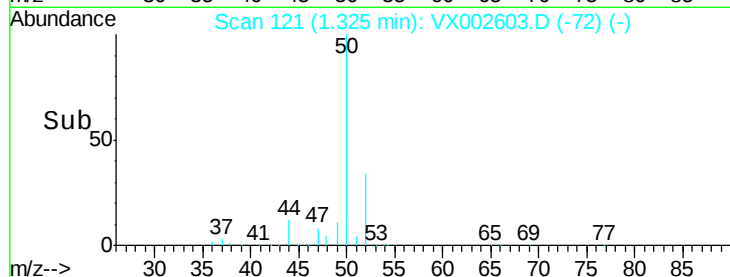
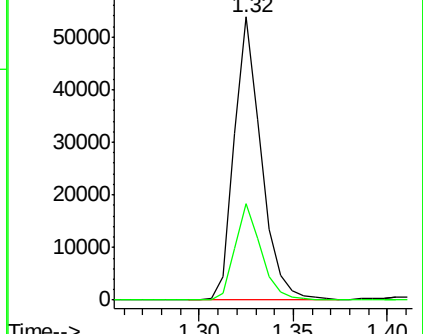
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002603.D

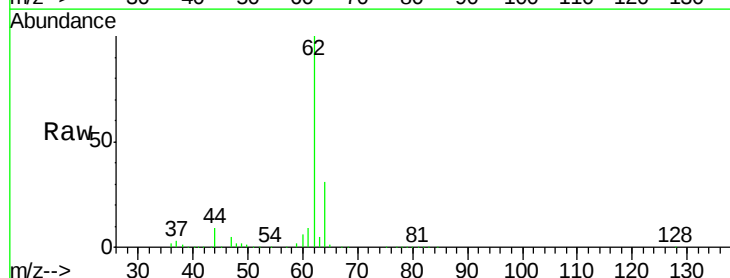
Acq: 15 Jun 2018 18:23

Tgt Ion: 62 Resp: 57460

Ion Ratio Lower Upper

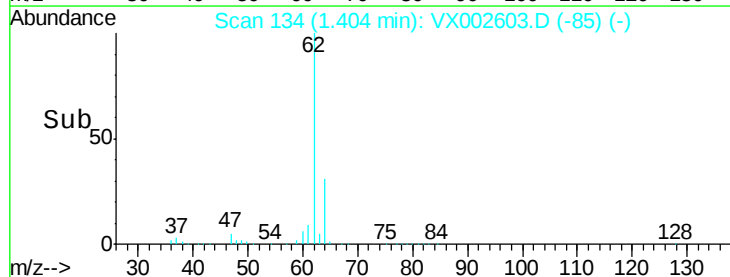
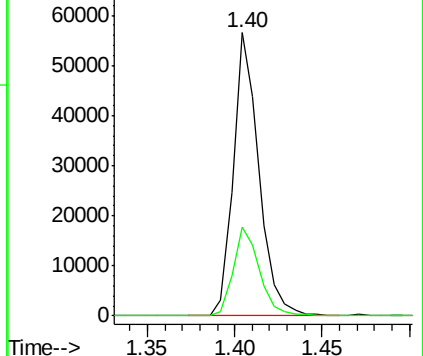
62 100

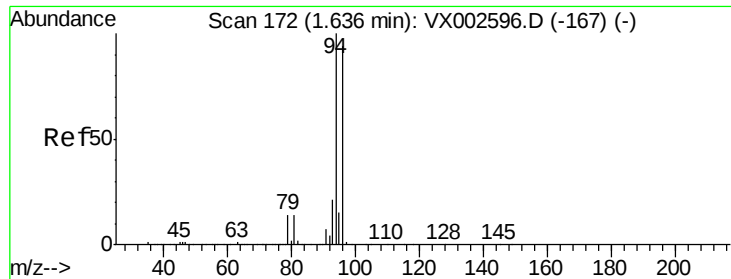
64 31.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion: 94 Resp: 38180

Ion Ratio Lower Upper

94 100

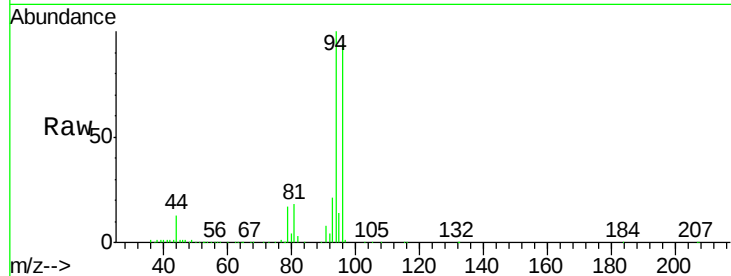
96 93.6 74.9 112.3

Manual Integrations

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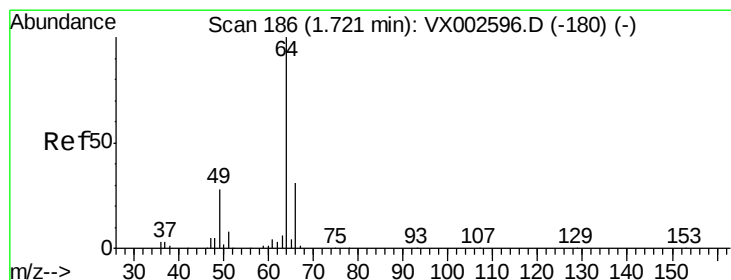
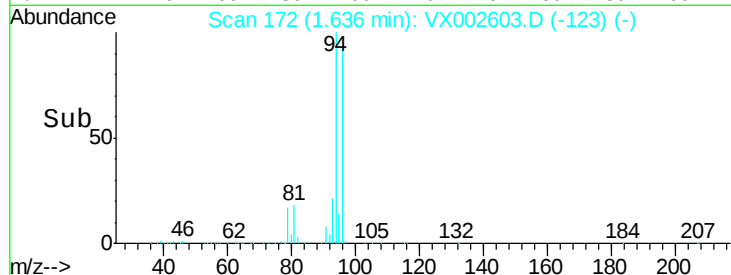
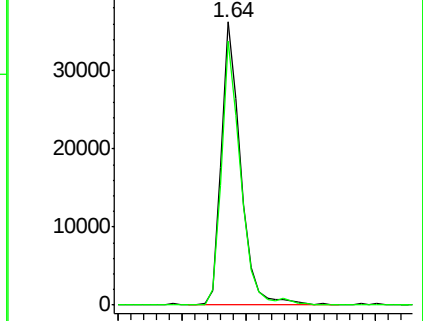
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.05 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002603.D

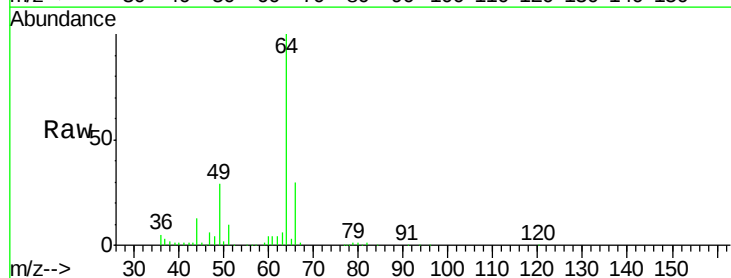
Acq: 15 Jun 2018 18:23

Tgt Ion: 64 Resp: 38602

Ion Ratio Lower Upper

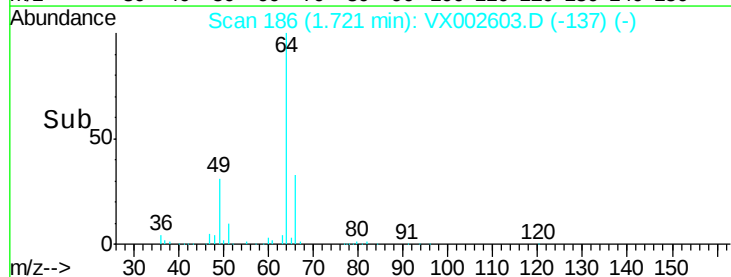
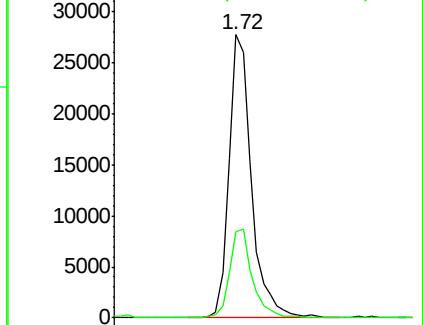
64 100

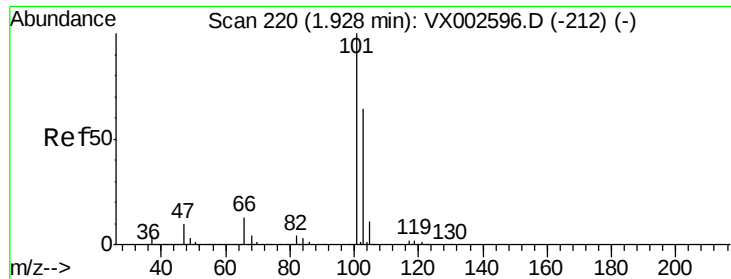
66 30.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

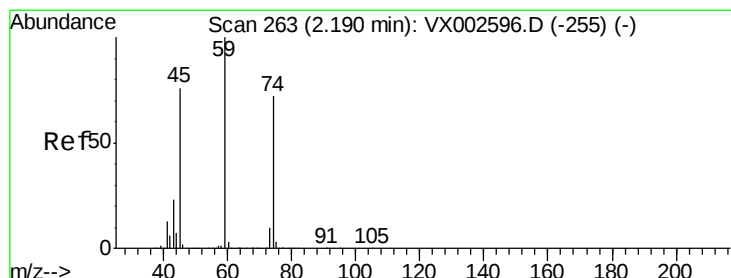
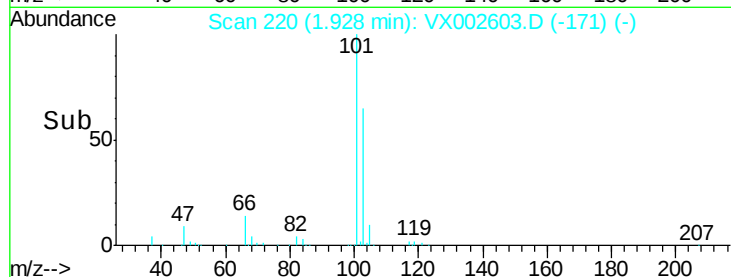
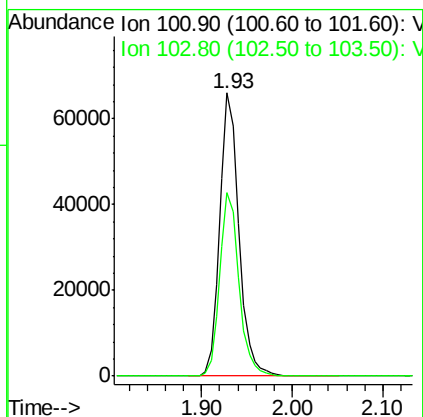
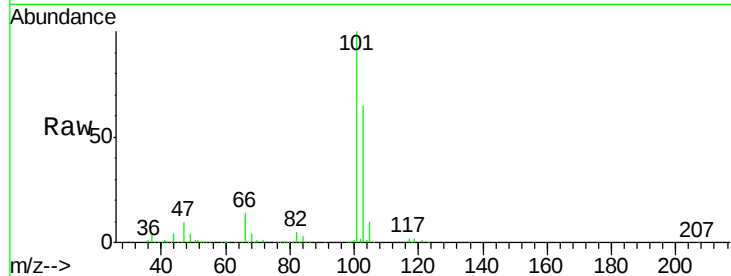
Trichlorofluoromethane
 Concen: 20.60 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.8	79.2

Manual Integrations
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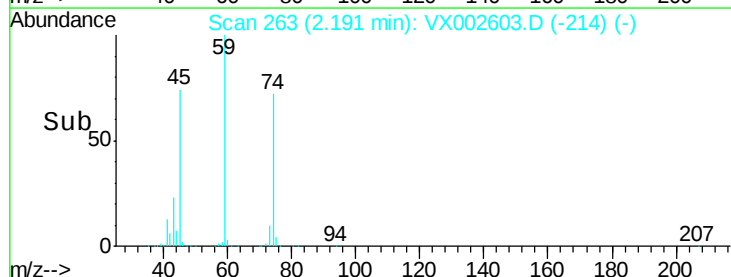
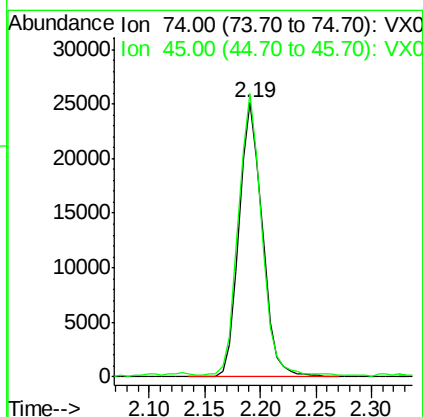
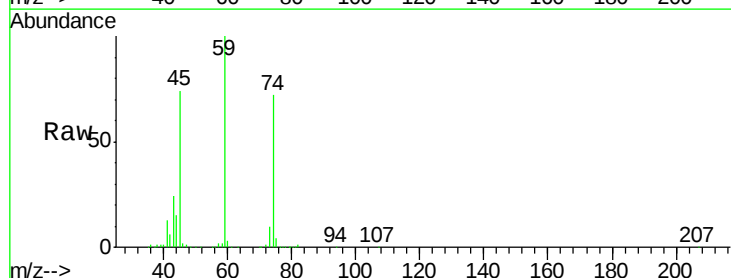
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 6/18/2018 5:12:02 PM



#8

Diethyl Ether
 Concen: 20.29 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.65 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

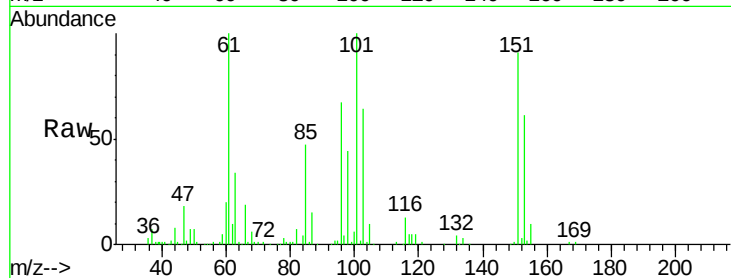
ClientSampleId :

VX0615WBS01

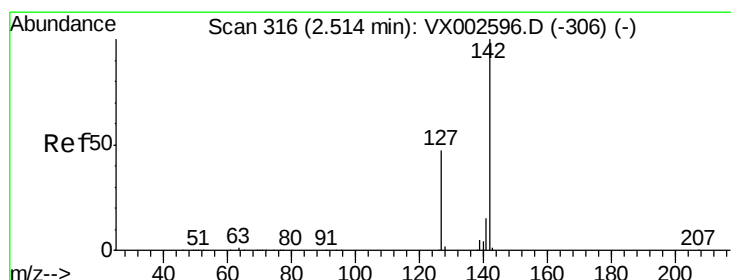
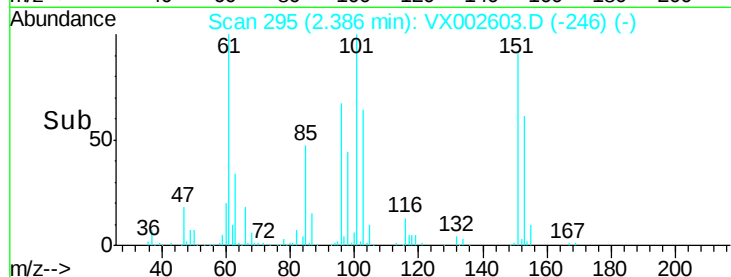
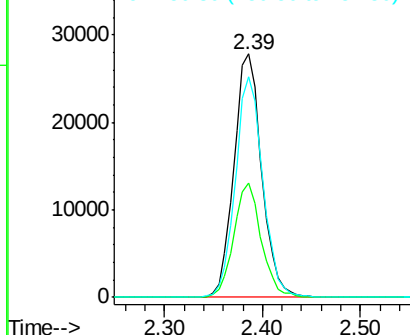
Tot Ion:	101	Resp:	54777
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.0	54.0
151	89.7	70.9	106.3

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



#10

Methyl Iodide

Concen: 16.66 ug/l

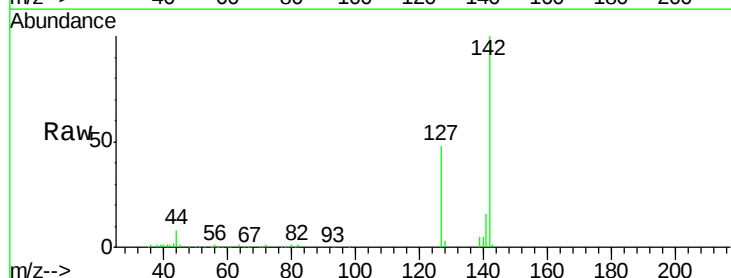
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

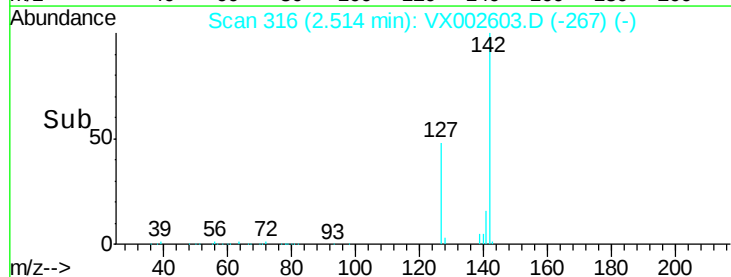
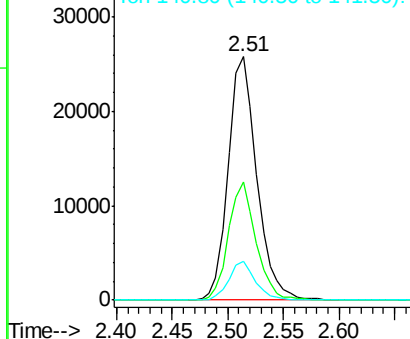
Lab File: VX002603.D

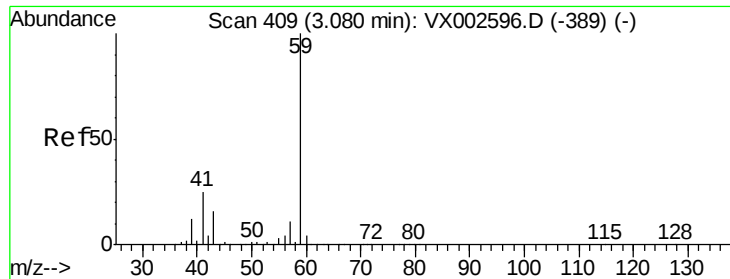
Acq: 15 Jun 2018 18:23

Tgt Ion:	142	Resp:	45841
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.6	55.0
141	14.9	11.3	16.9



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





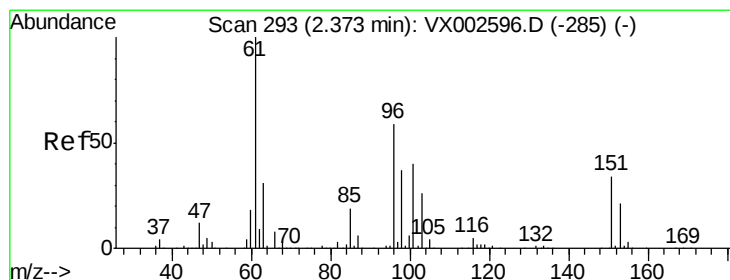
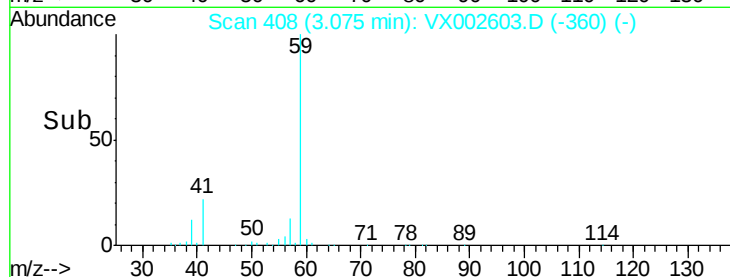
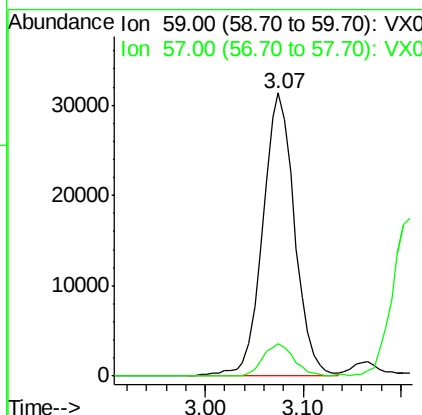
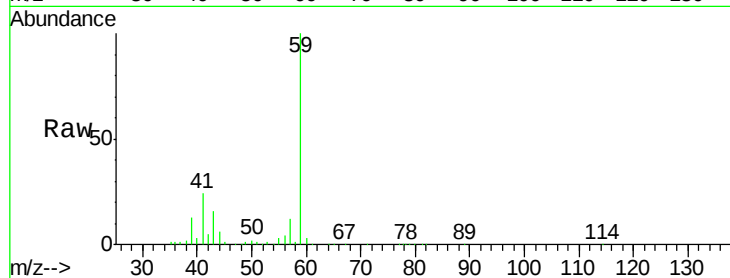
#11
Tert butyl alcohol
Concen: 101.59 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion: 59 Resp: 71144
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.2

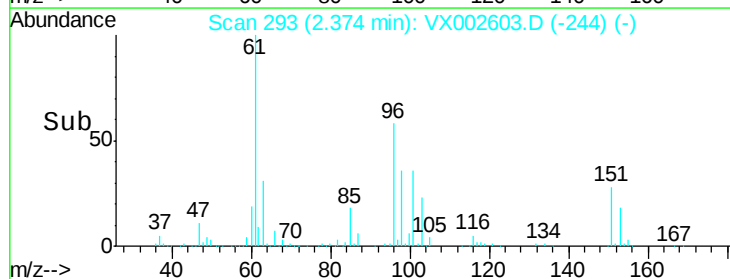
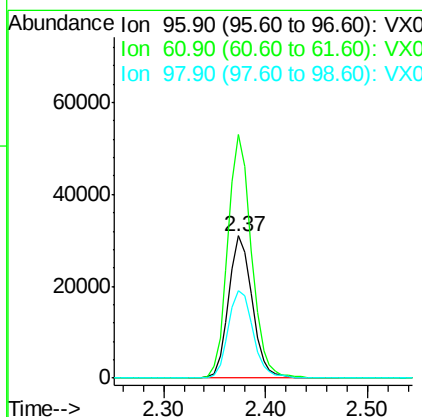
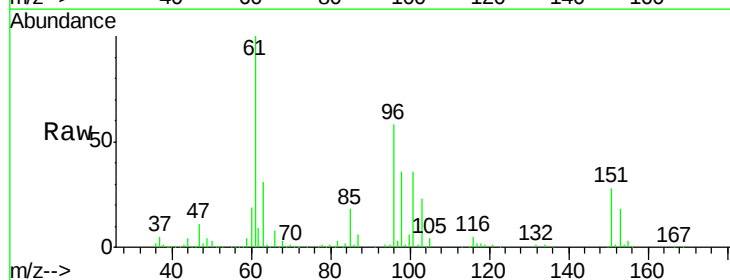
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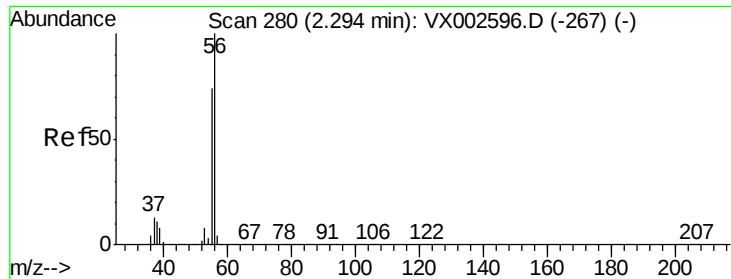
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.94 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion: 96 Resp: 49664
Ion Ratio Lower Upper
96 100
61 171.1 137.9 206.9
98 61.6 51.6 77.4





#13

Acrolein

Concen: 99.16 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion: 56 Resp: 31159

Ion Ratio Lower Upper

56 100

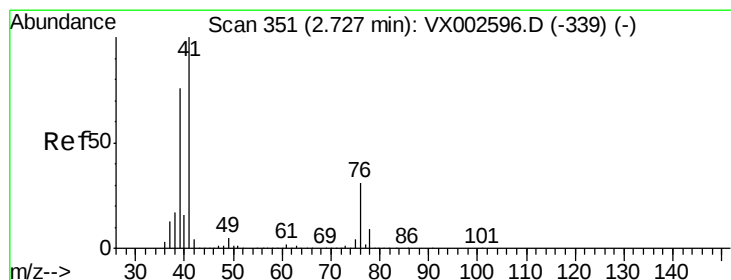
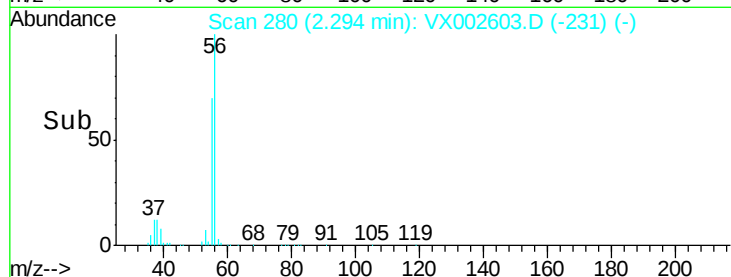
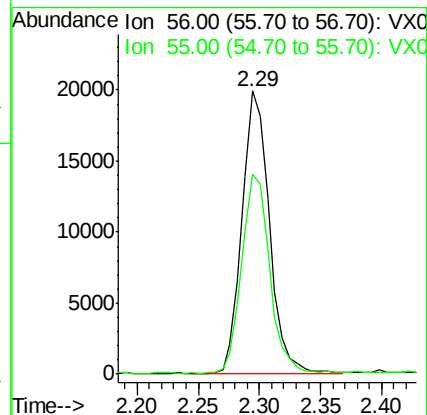
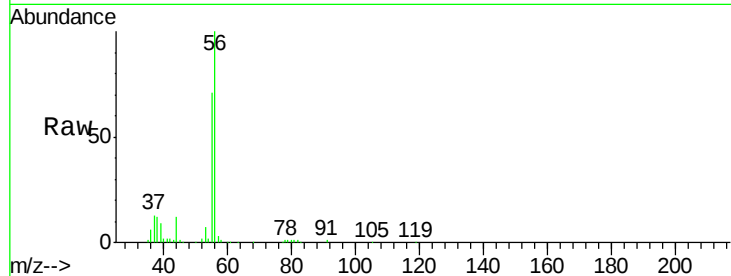
55 71.2 57.0 85.4

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#14

Allyl chloride

Concen: 19.13 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

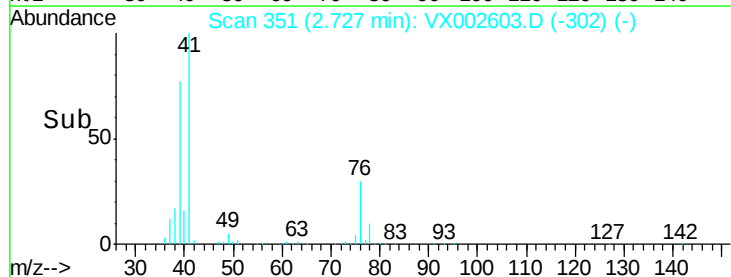
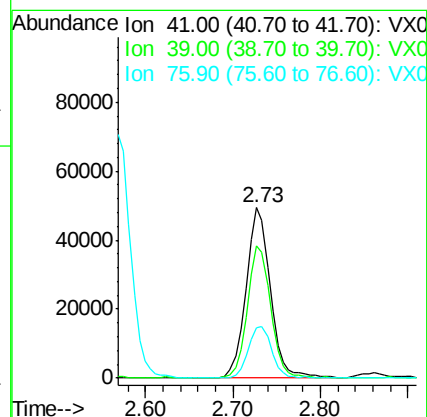
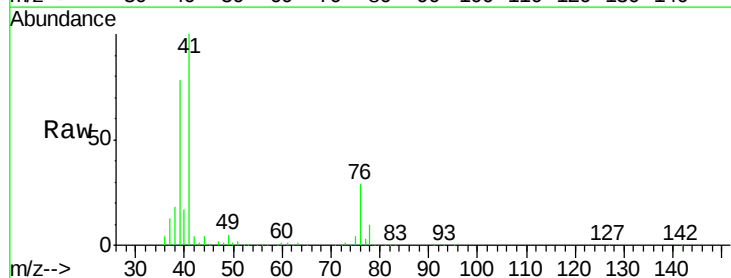
Tgt Ion: 41 Resp: 94595

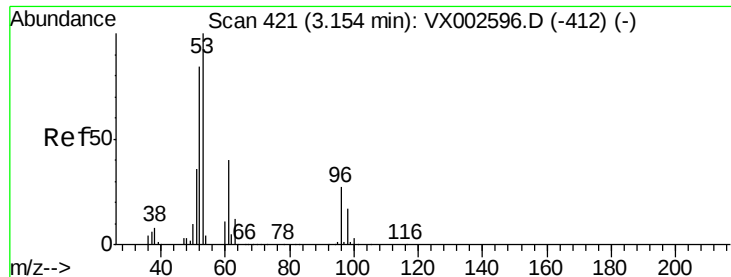
Ion Ratio Lower Upper

41 100

39 74.1 56.8 85.2

76 29.8 23.8 35.8





#15

Acrylonitrile

Concen: 102.82 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

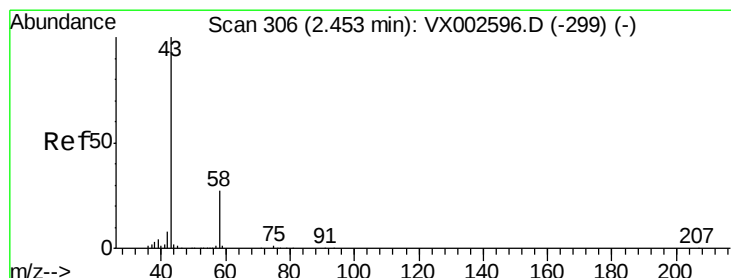
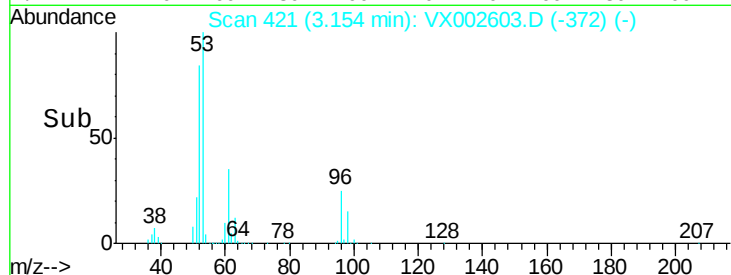
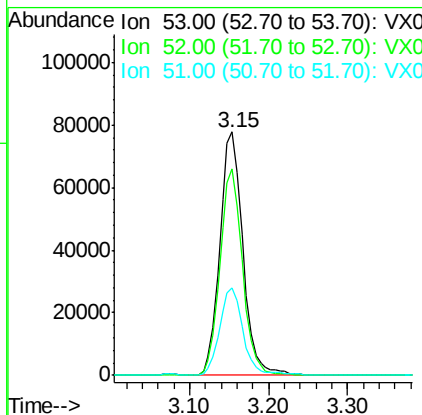
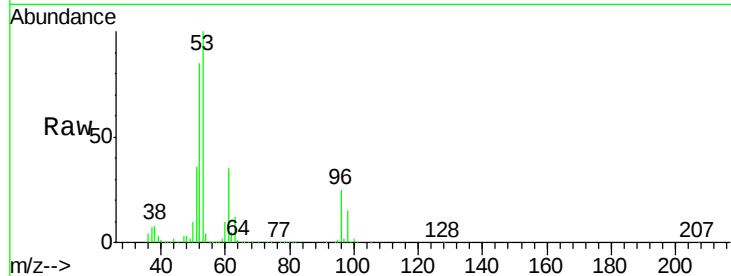
ClientSampled :

VX0615WBS01

Tot Ion:	53	Resp:	157138
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.7	100.1
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 96.58 ug/l

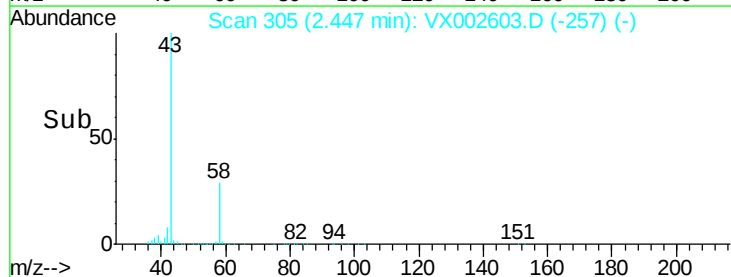
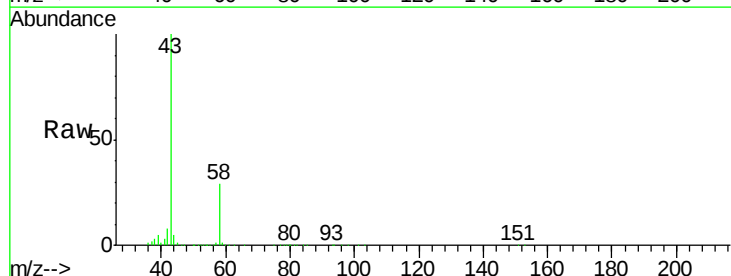
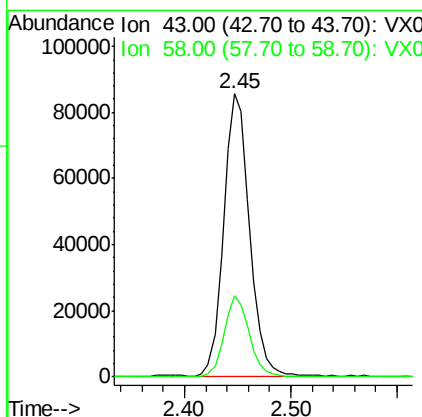
RT: 2.45 min Scan# 305

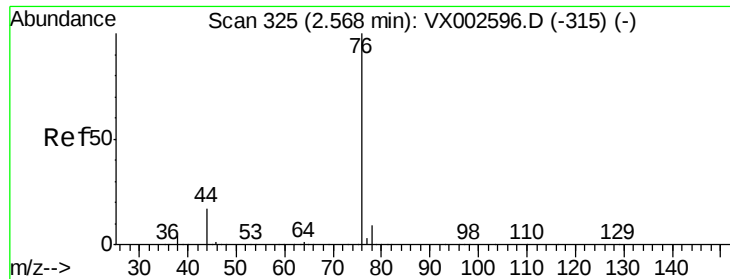
Delta R.T. -0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion:	43	Resp:	144356
Ion Ratio	Lower	Upper	
43	100		
58	28.7	22.1	33.1





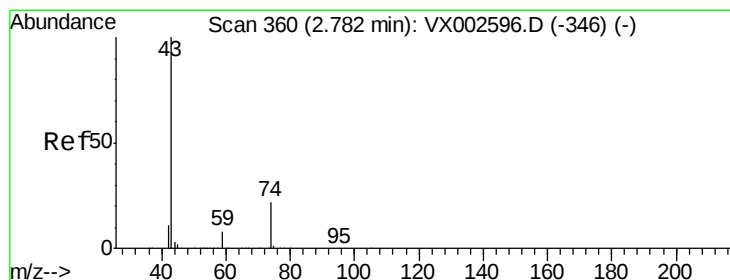
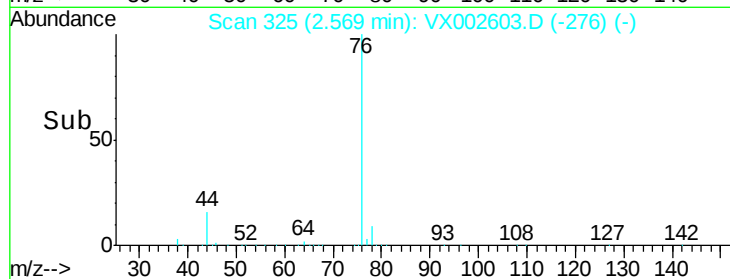
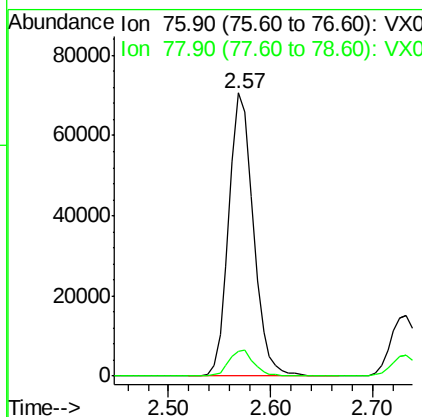
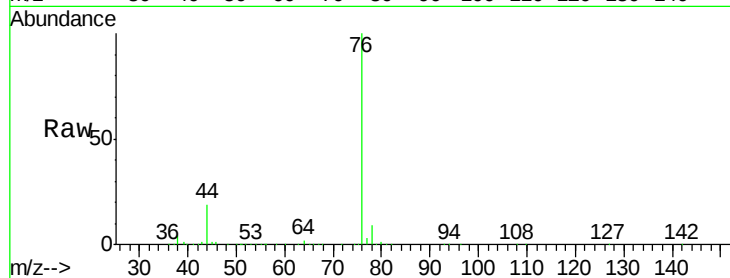
#17
Carbon Disulfide
Concen: 19.95 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

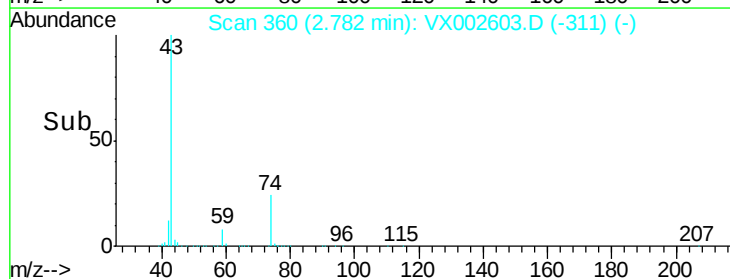
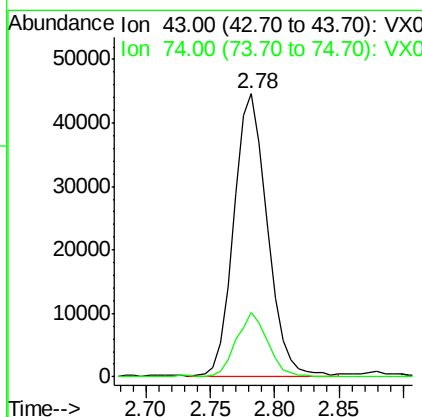
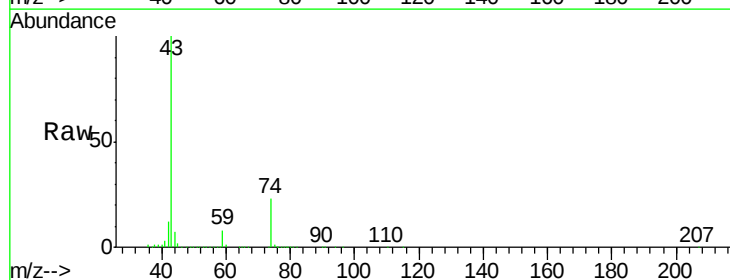
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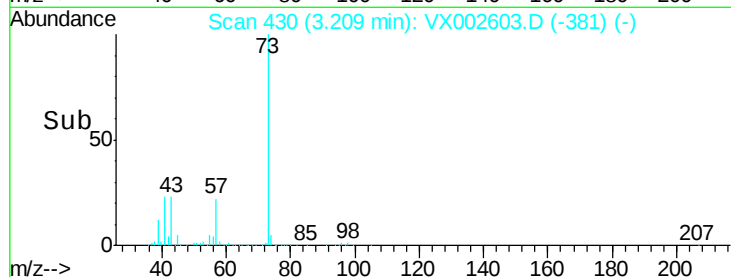
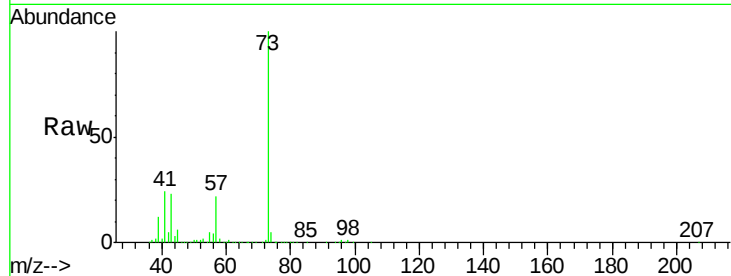
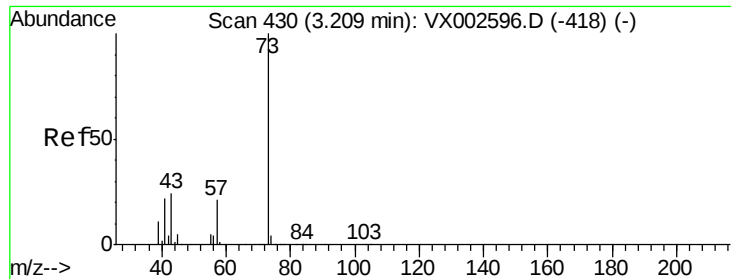
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#18
Methyl Acetate
Concen: 20.16 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1





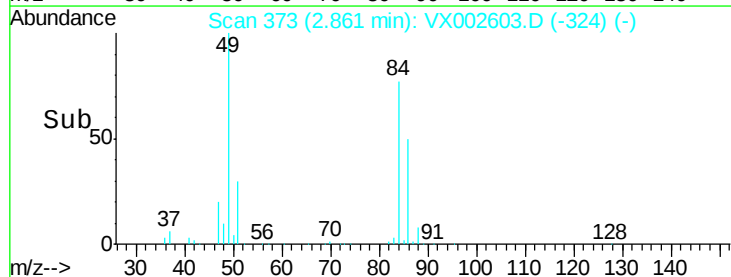
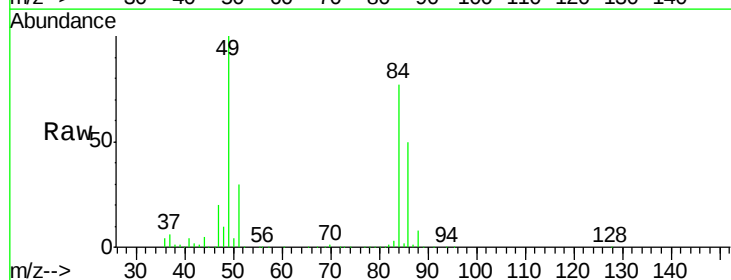
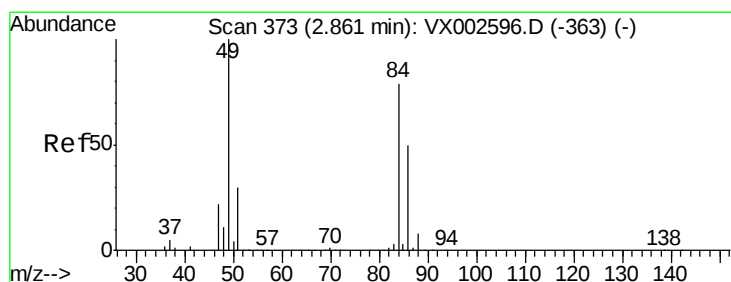
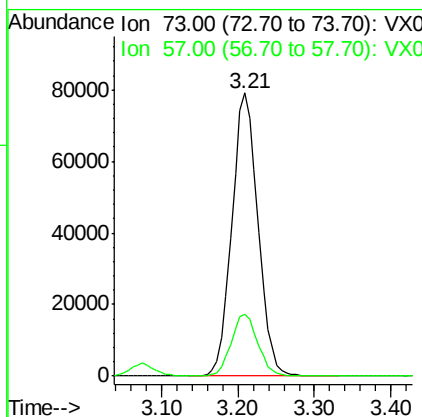
#19
Methyl tert-butyl Ether
Concen: 19.96 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tot Ion: 73 Resp: 186527
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

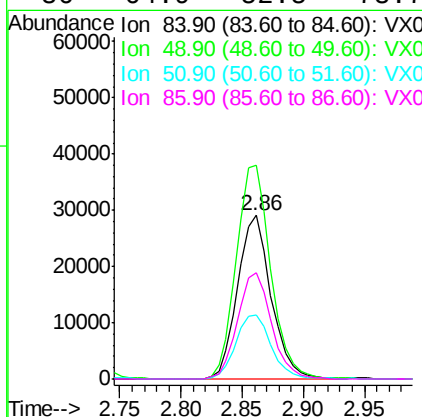
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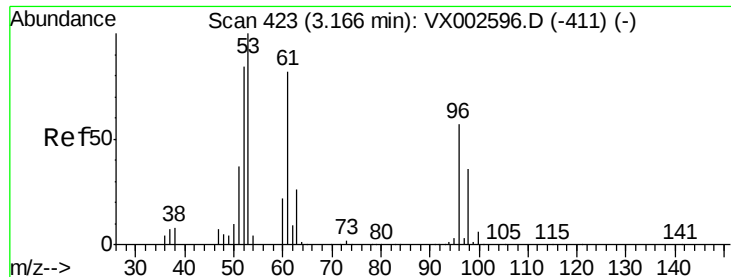
MMDadoda
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#20
Methylene Chloride
Concen: 18.09 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion: 84 Resp: 55446
Ion Ratio Lower Upper
84 100
49 130.4 107.8 161.6
51 38.8 32.8 49.2
86 64.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.18 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

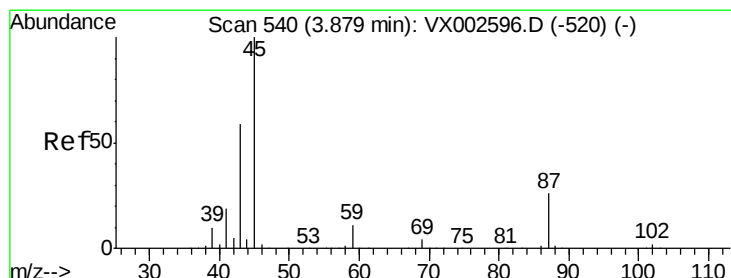
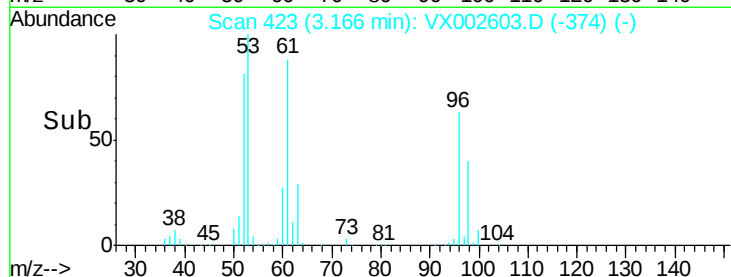
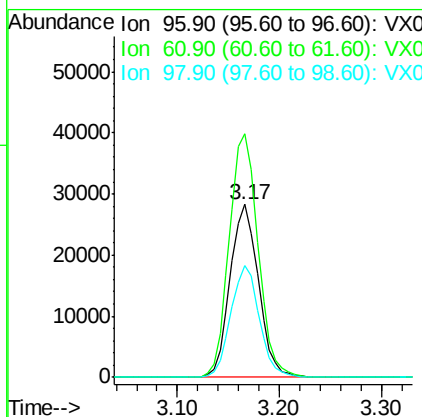
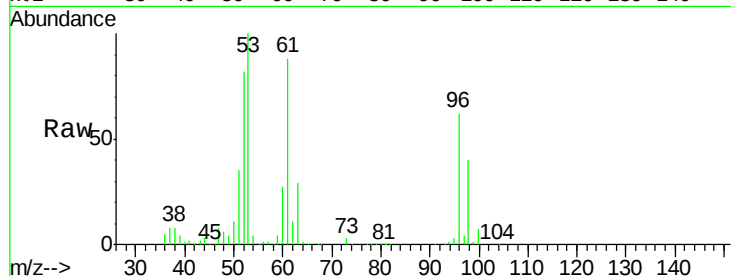
ClientSampleId :

VX0615WBS01

Tot Ion:	96	Resp:	54527
Ion	Ratio	Lower	Upper
96	100		
61	140.8	117.0	175.4
98	64.4	52.4	78.6

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#22

Diisopropyl ether

Concen: 19.45 ug/l

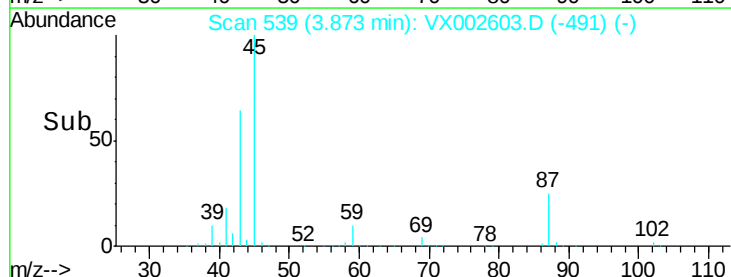
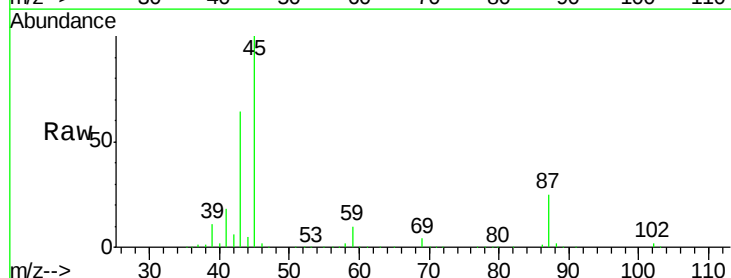
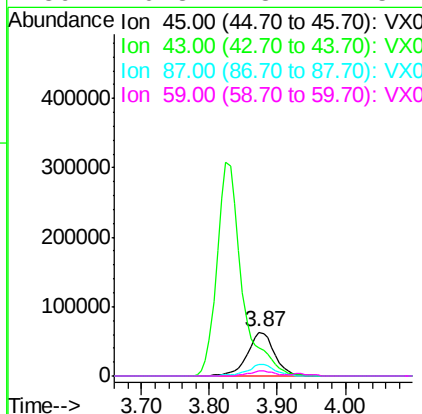
RT: 3.87 min Scan# 539

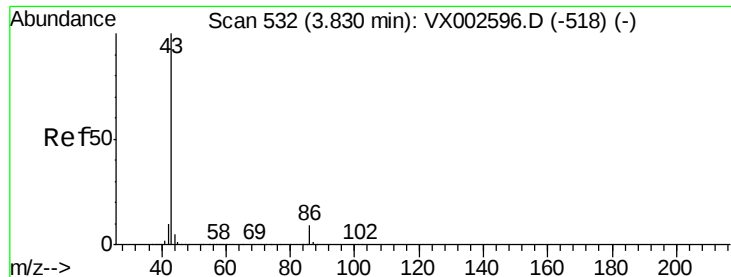
Delta R.T. -0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion:	45	Resp:	174070
Ion	Ratio	Lower	Upper
45	100		
43	63.9	46.8	70.2
87	25.1	20.2	30.4
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 104.73 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion: 43 Resp: 784361

Ion Ratio Lower Upper

43 100

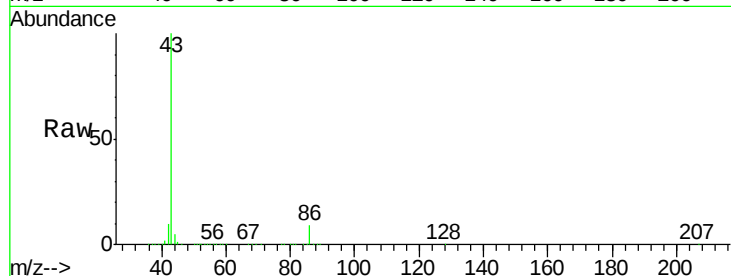
86 8.9 7.4 11.0

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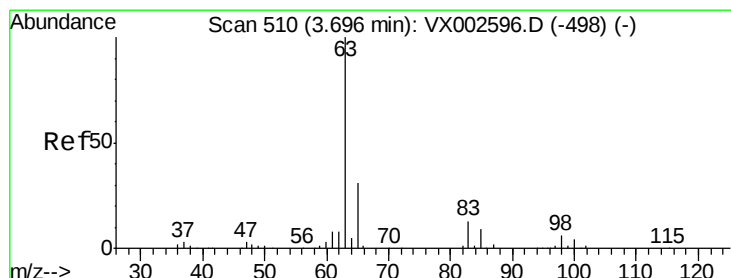
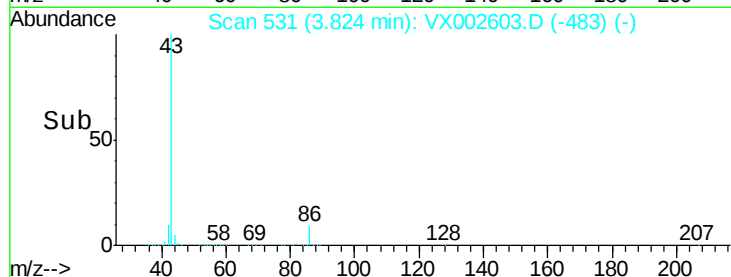
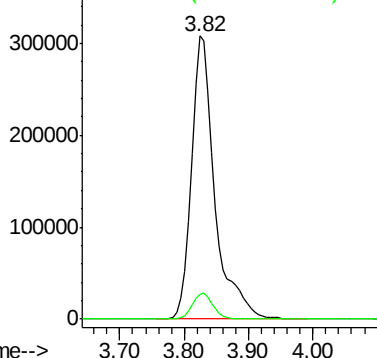
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.77 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

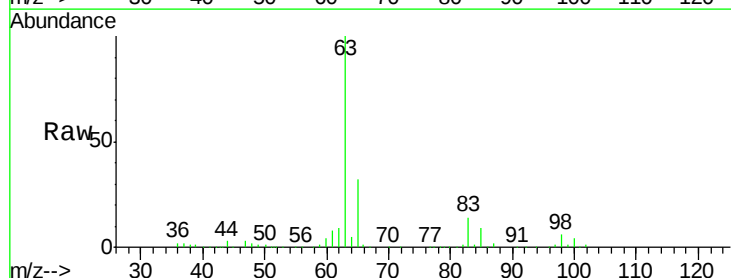
Tgt Ion: 63 Resp: 105727

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

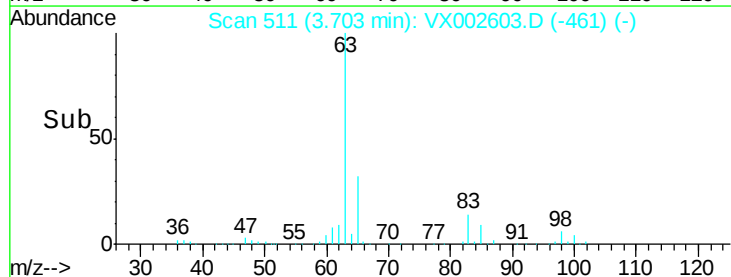
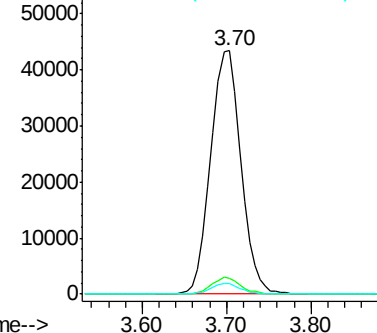
100 4.4 2.0 6.0

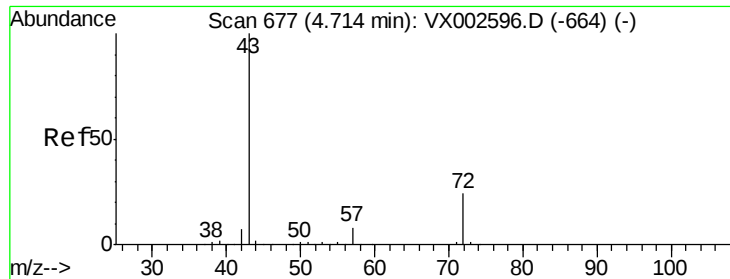


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.78 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion: 43 Resp: 199772

Ion Ratio Lower Upper

43 100

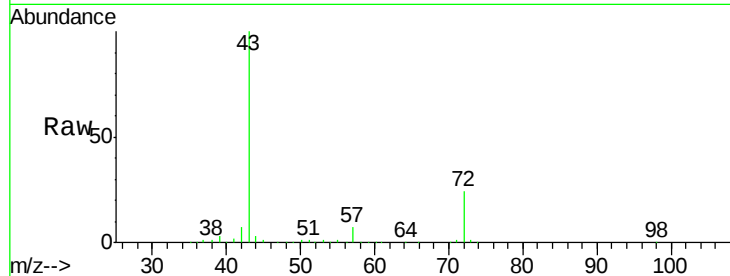
72 23.9 18.5 27.7

Manual Integrations

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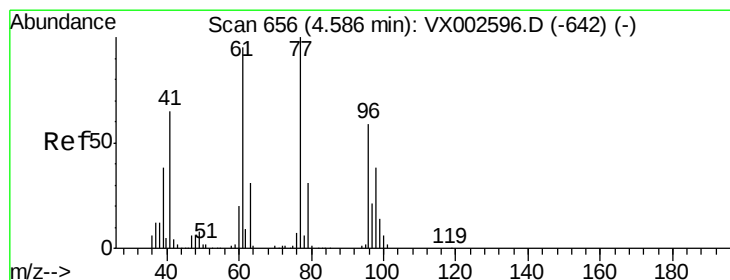
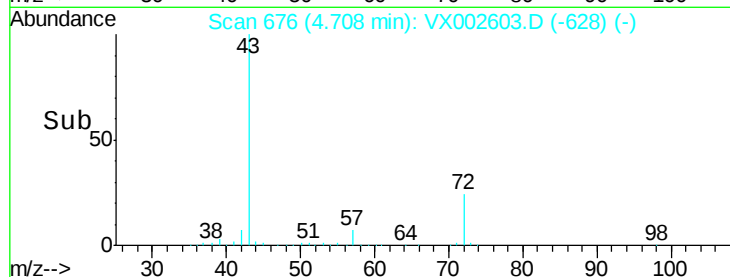
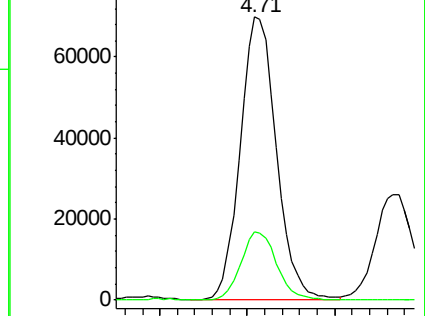
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.38 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002603.D

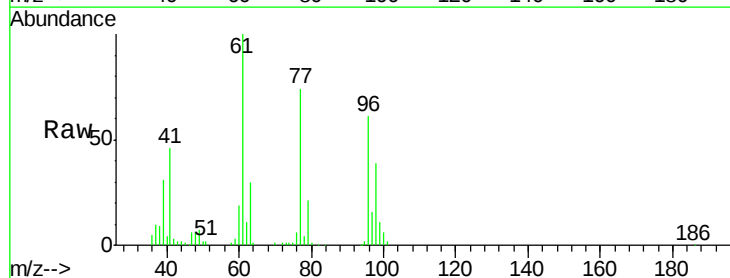
Acq: 15 Jun 2018 18:23

Tgt Ion: 77 Resp: 64136

Ion Ratio Lower Upper

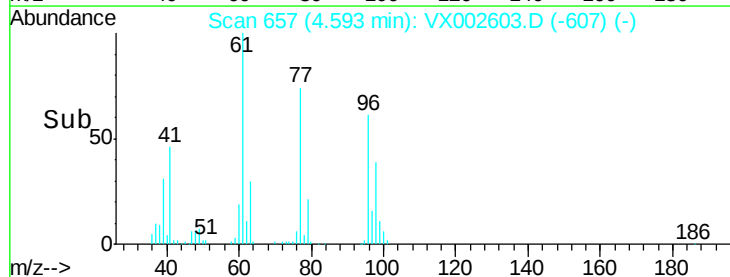
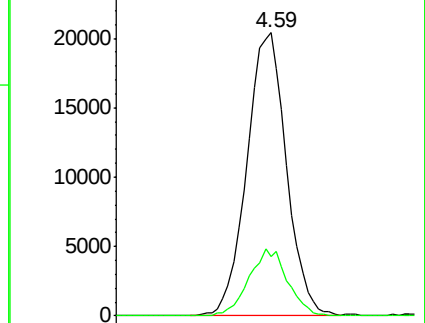
77 100

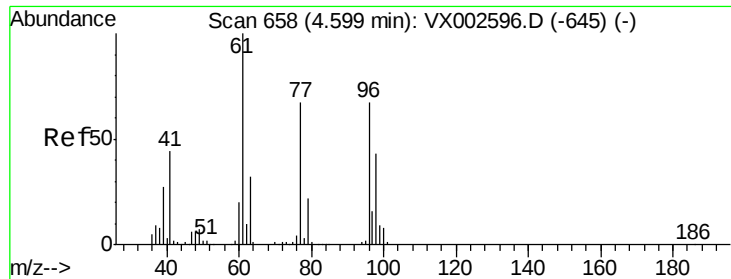
97 23.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

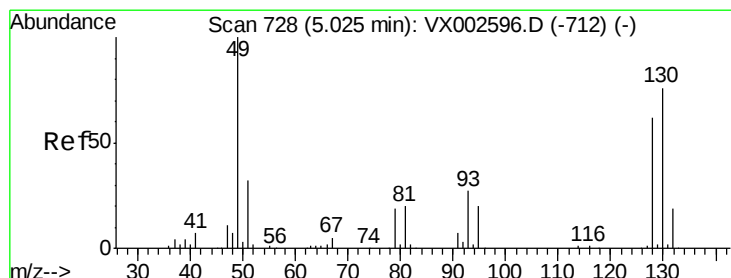
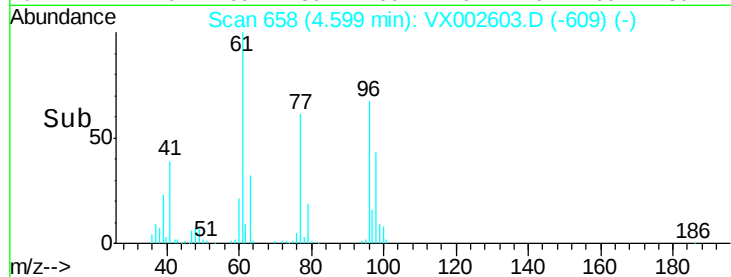
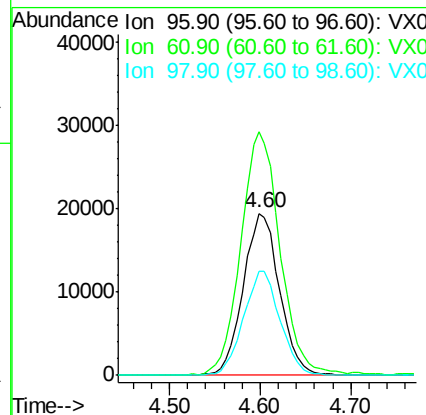
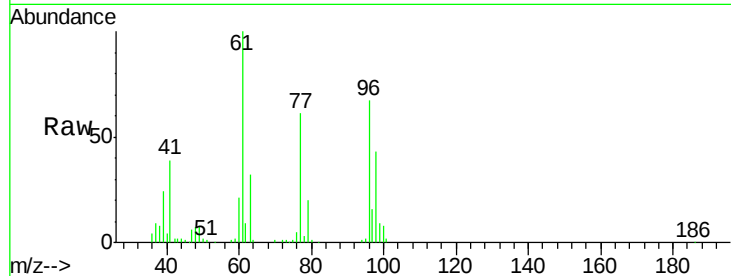
cis-1,2-Dichloroethene
Concen: 19.55 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.7	0.0	330.2
98	65.1	0.0	130.2

Manual Integrations
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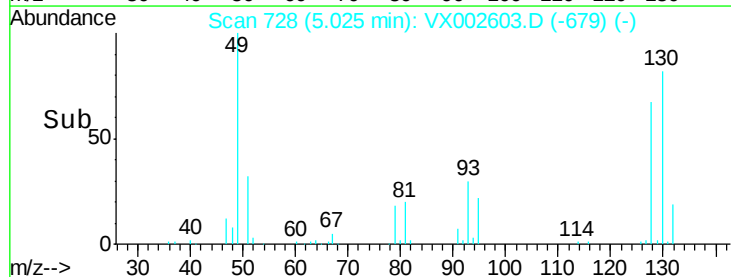
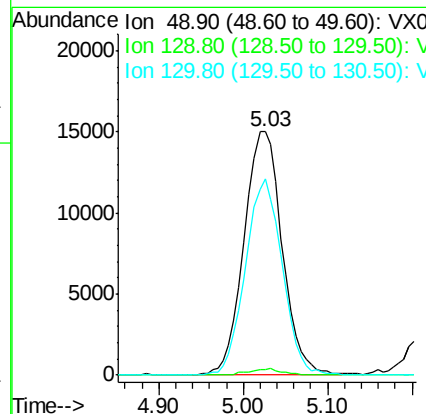
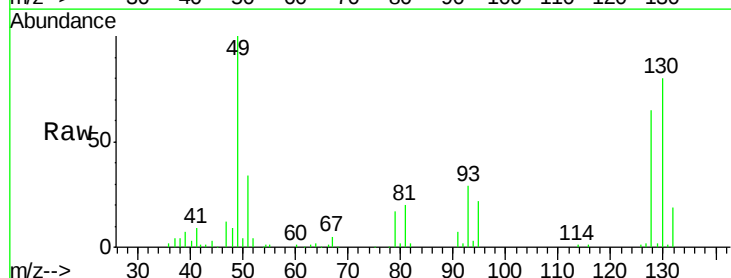
MMDadoda
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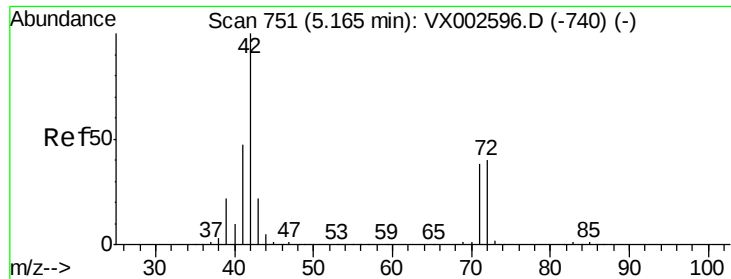


#28

Bromochloromethane
Concen: 20.30 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	77.7	61.2	91.8





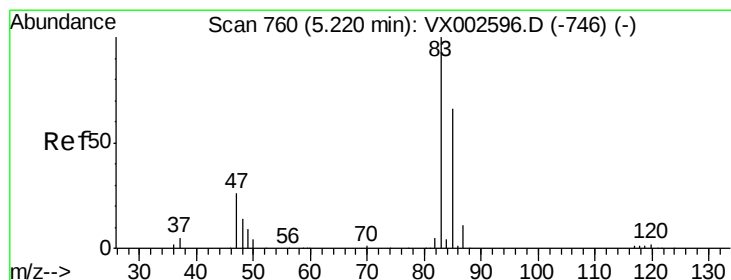
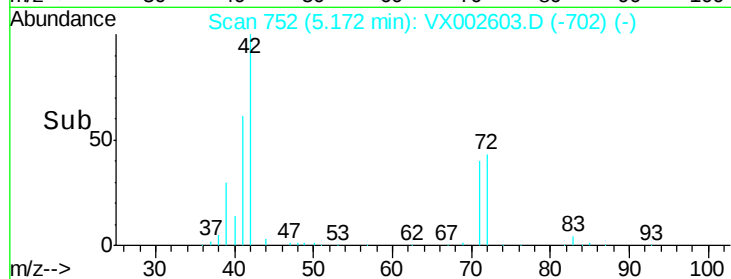
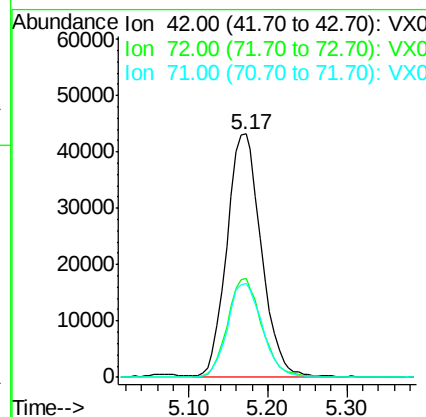
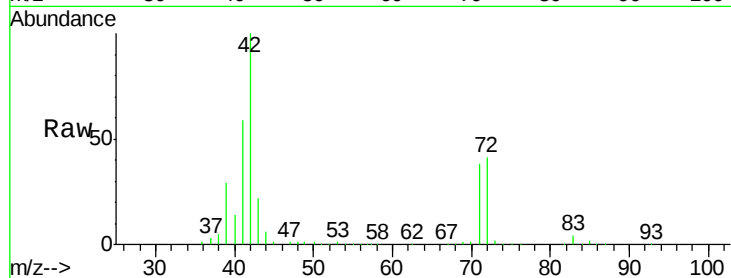
#29
Tetrahydrofuran
Concen: 101.16 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.0	48.0
71	39.2	30.1	45.1

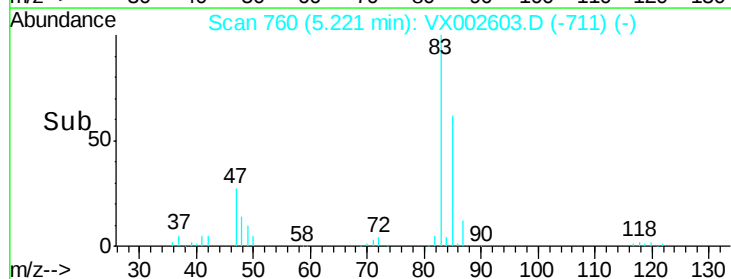
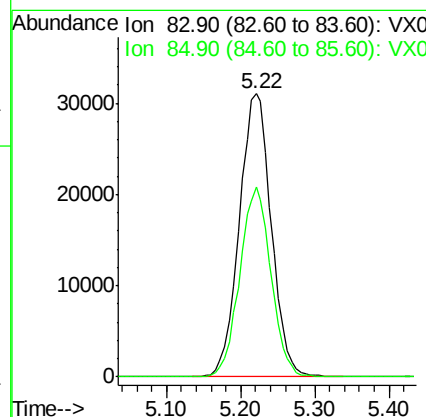
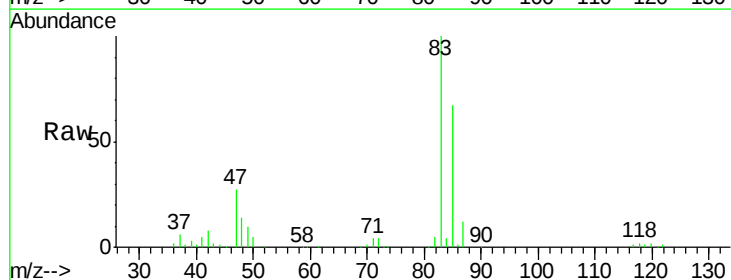
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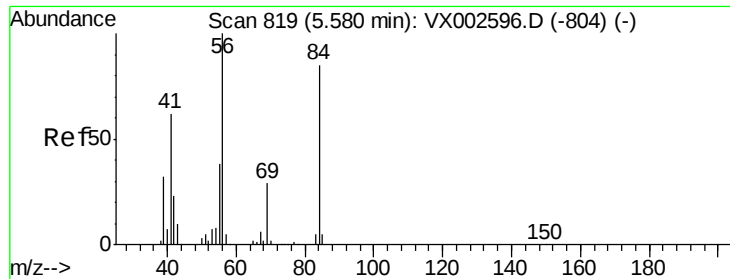
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#30
Chloroform
Concen: 19.97 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.4	75.6





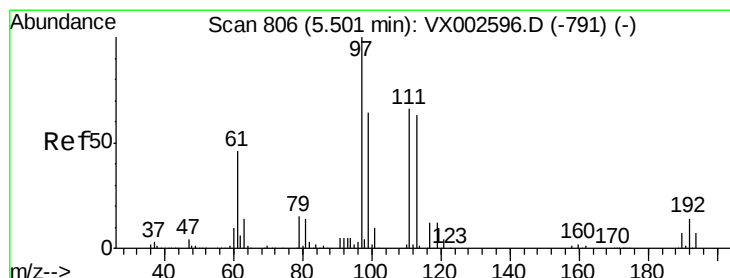
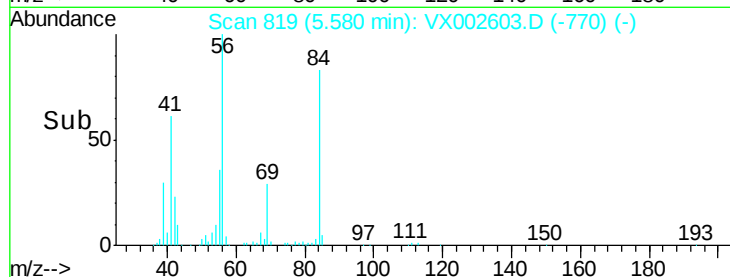
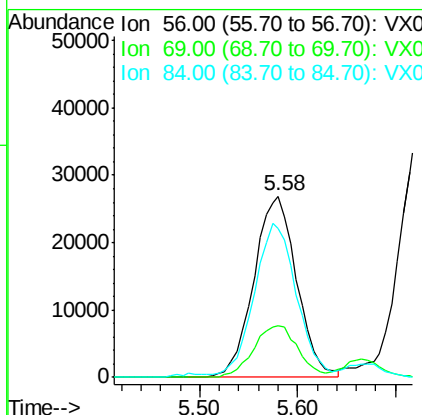
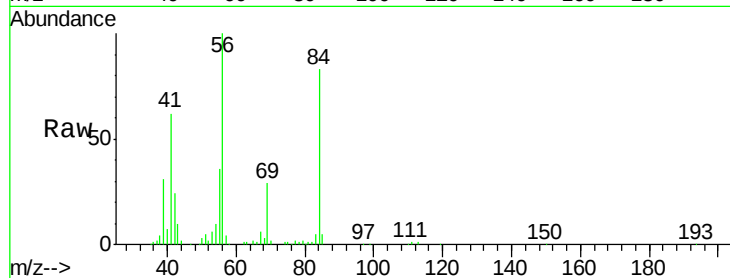
#31
Cyclohexane
Concen: 20.43 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.7	35.5
84	80.5	64.1	96.1

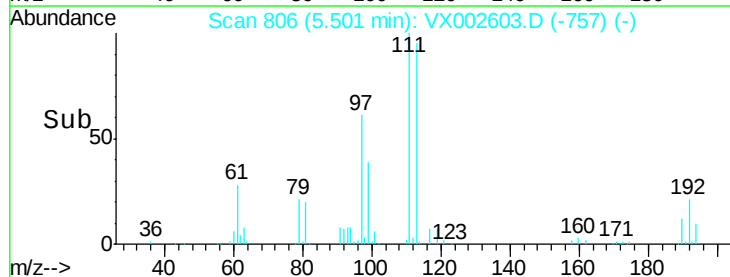
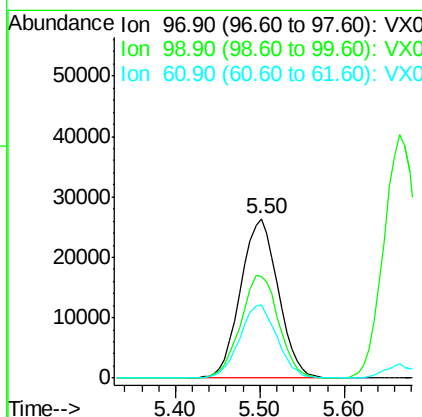
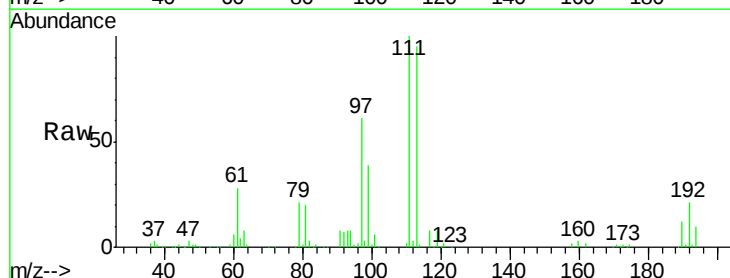
Manual Integrations
APPROVED

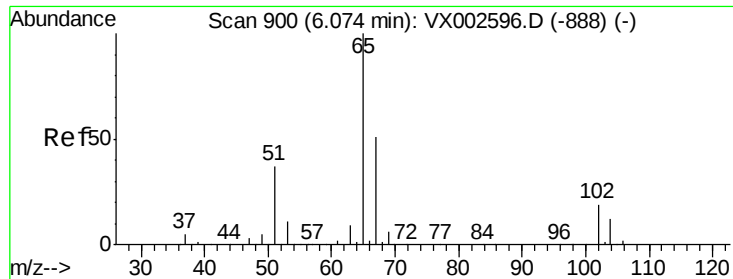
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#32
1,1,1-Trichloroethane
Concen: 20.40 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	45.9	36.4	54.6





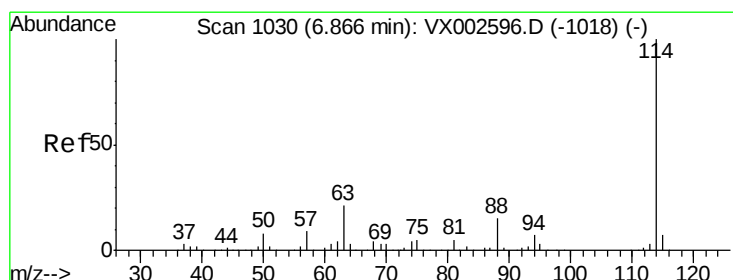
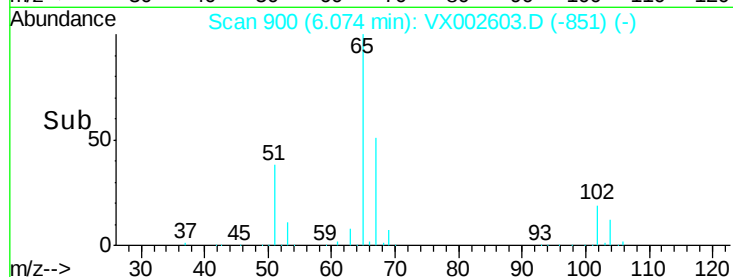
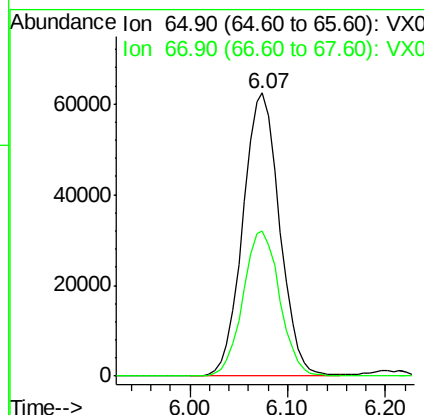
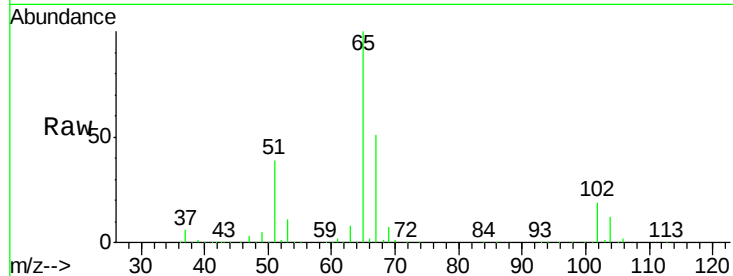
#33
 1,2-Dichloroethane-d4
 Concen: 48.04 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6

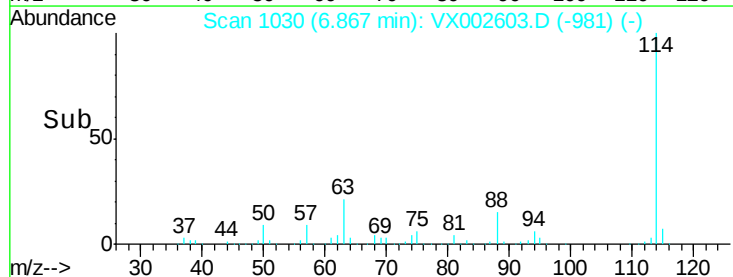
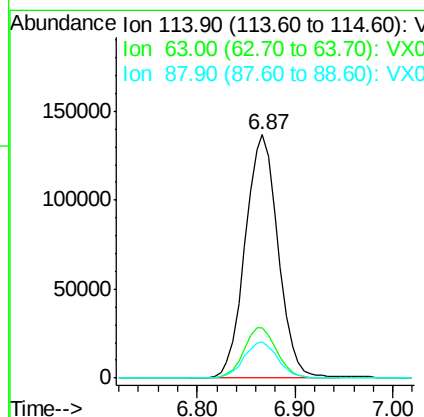
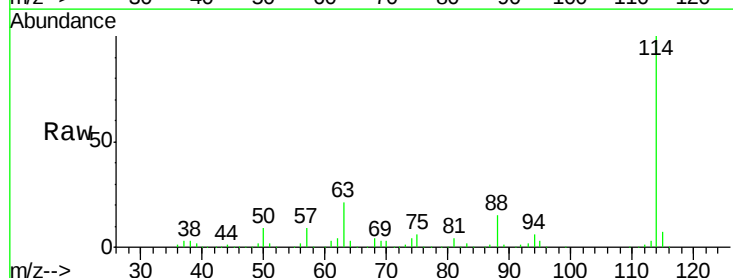
Manual Integrations
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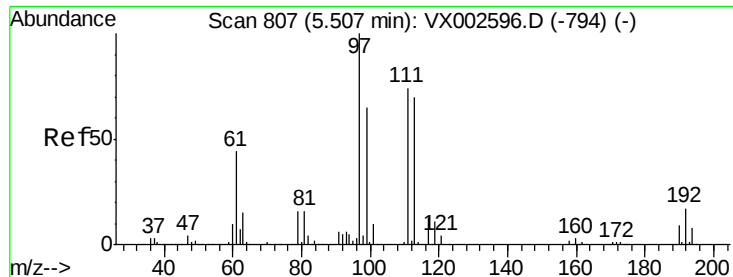
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.4
88	15.1	0.0	30.0





#35

Dibromofluoromethane

Concen: 48.67 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

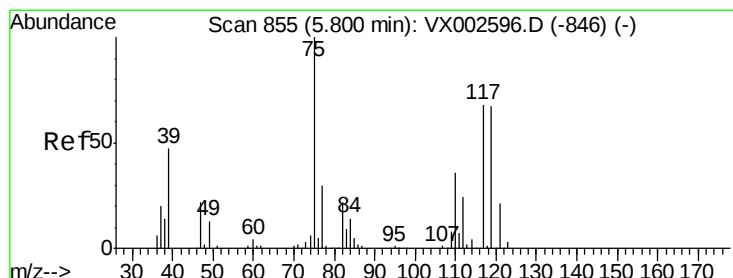
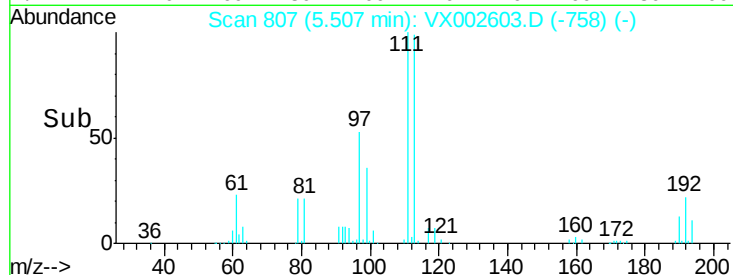
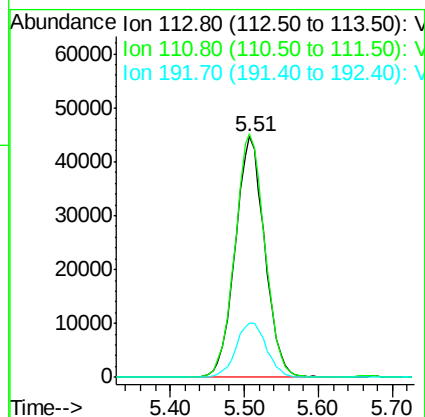
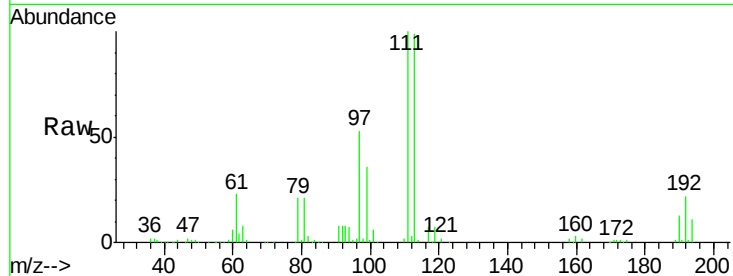
ClientSampleId :

VX0615WBS01

Tot Ion:	113	Resp:	124004
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.4	122.0
192	23.4	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.00 ug/l

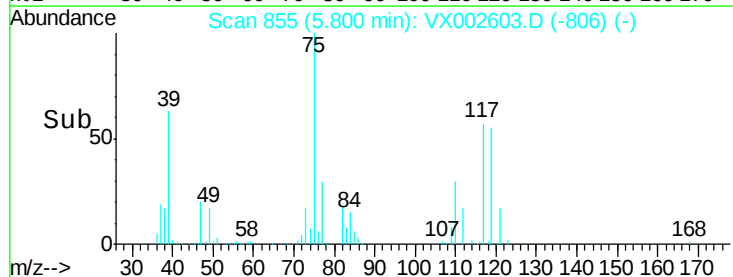
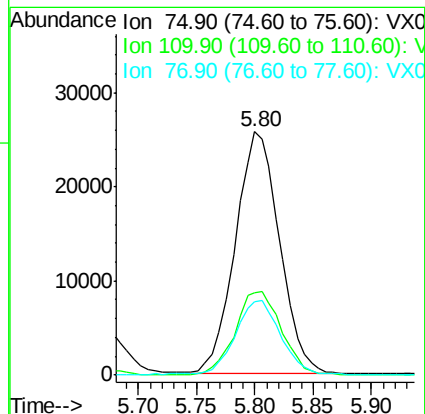
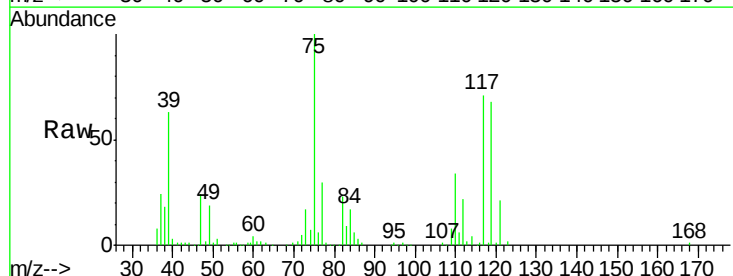
RT: 5.80 min Scan# 855

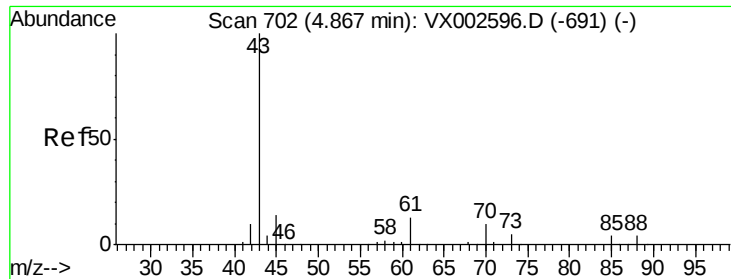
Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion:	75	Resp:	67825
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.4
77	31.2	24.3	36.5





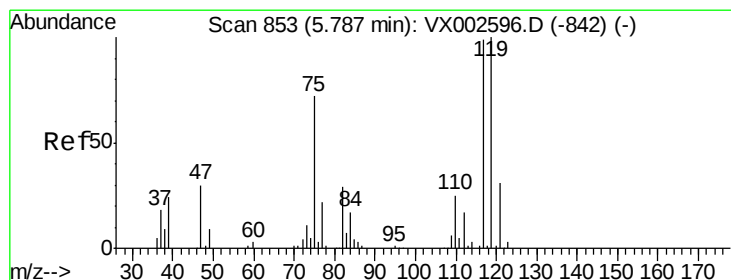
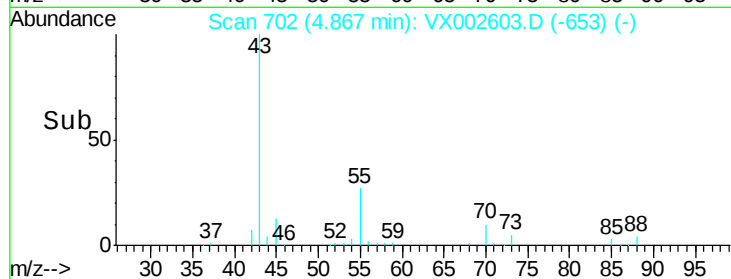
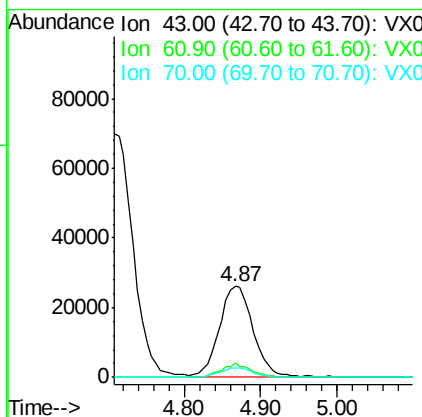
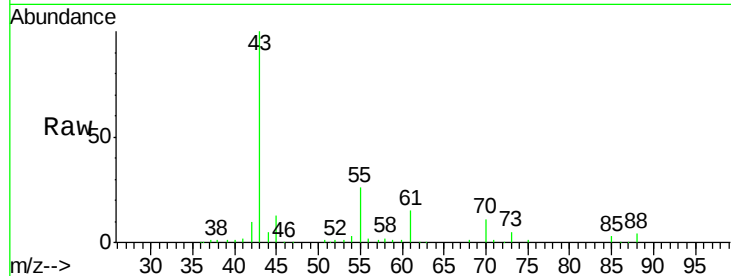
#37
Ethyl Acetate
Concen: 20.52 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.1	7.6	11.4

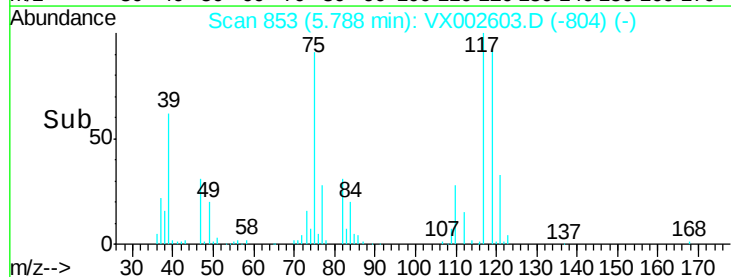
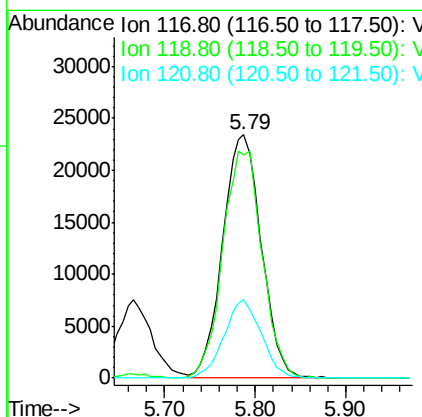
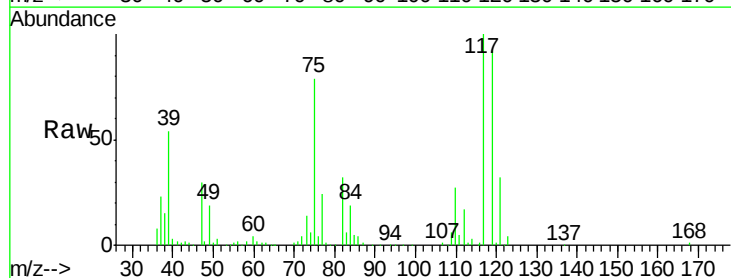
Manual Integrations
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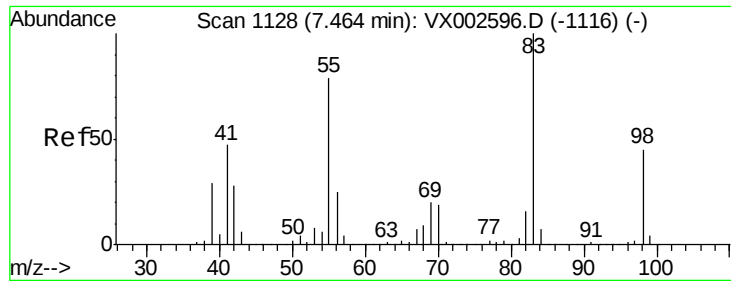
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#38
Carbon Tetrachloride
Concen: 20.52 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.4	116.0
121	32.3	24.4	36.6





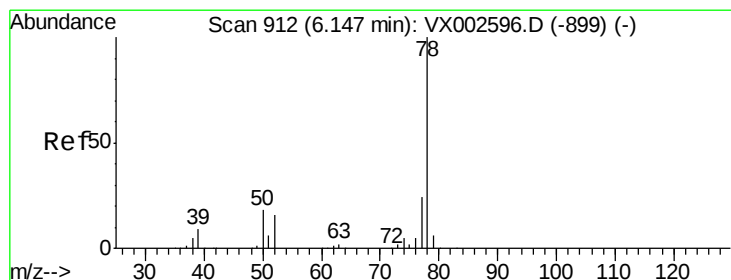
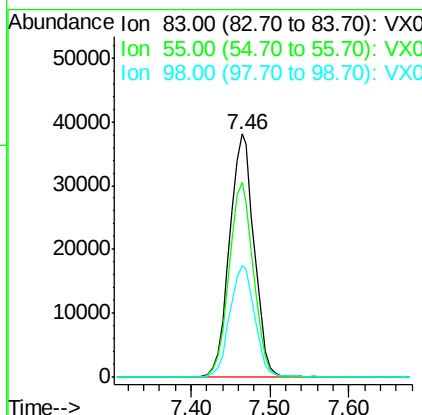
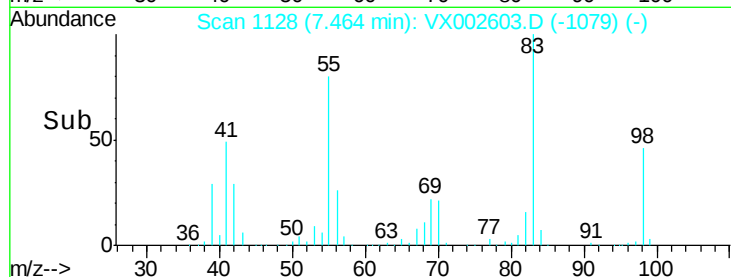
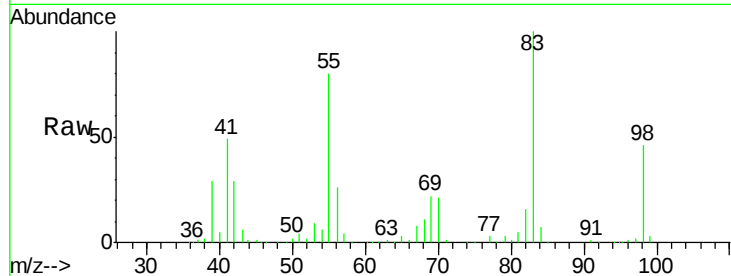
#39
Methvlcvclohexane
Concen: 20.91 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	65.4	98.0
98	45.9	37.4	56.0

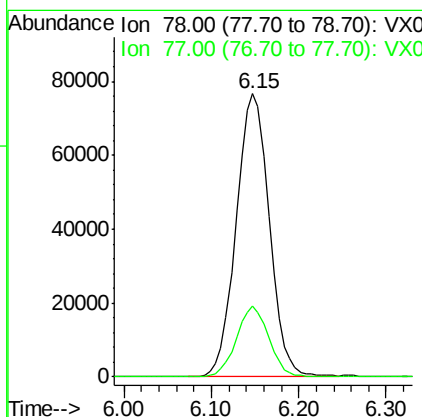
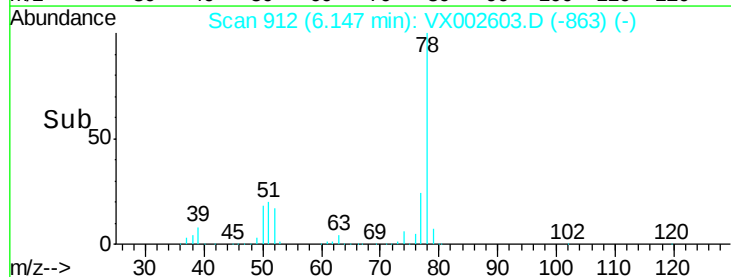
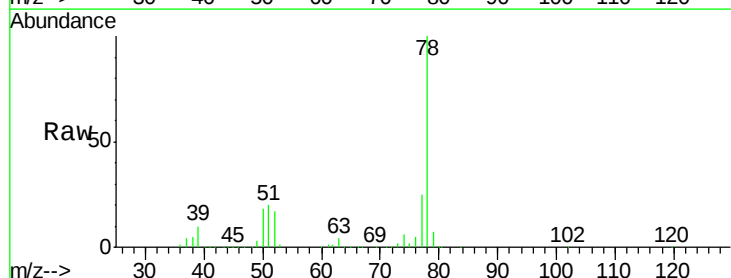
Manual Integrations
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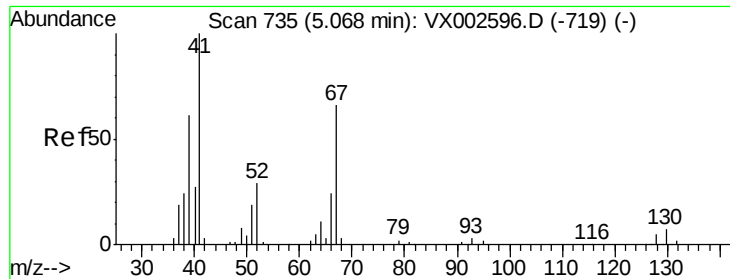
MMDadoda
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#40
Benzene
Concen: 19.89 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.1	28.7





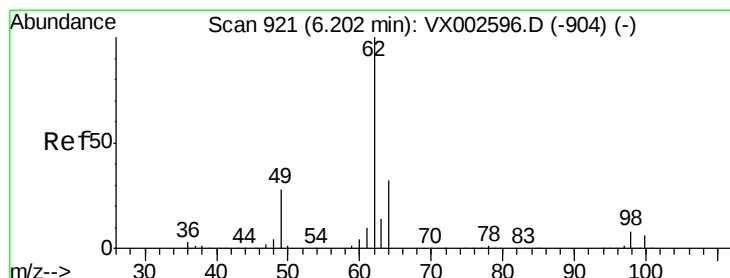
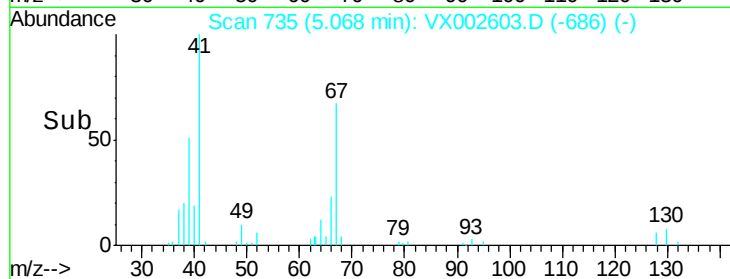
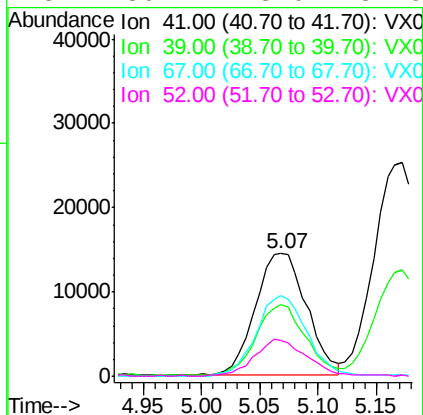
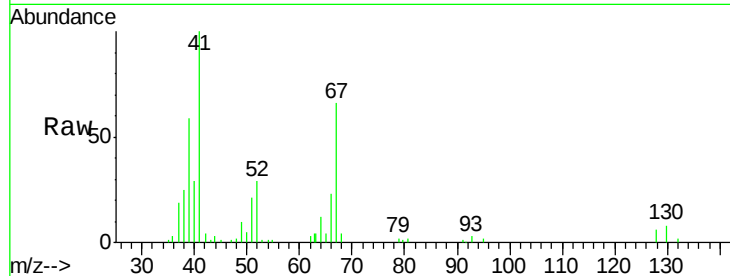
#41
Methacrylonitrile
Concen: 20.45 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	56.2	45.8	68.6
67	67	65.6	51.3	76.9
52	52	30.4	23.0	34.6

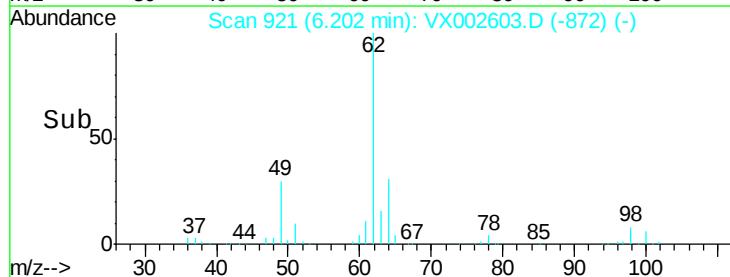
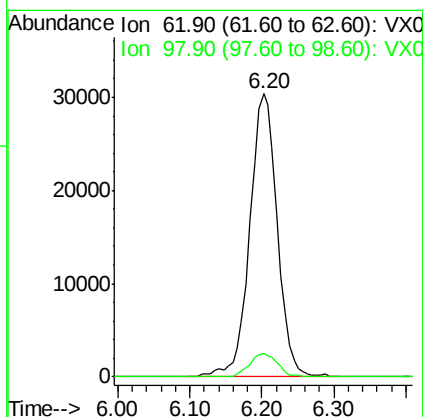
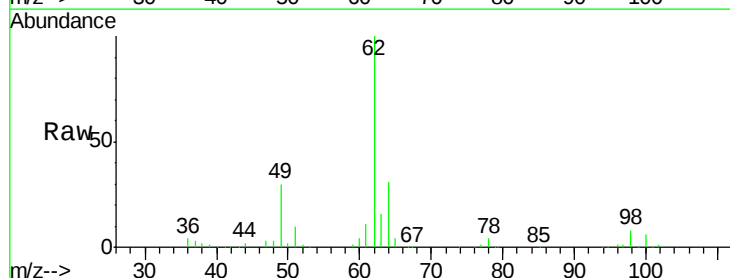
Manual Integrations
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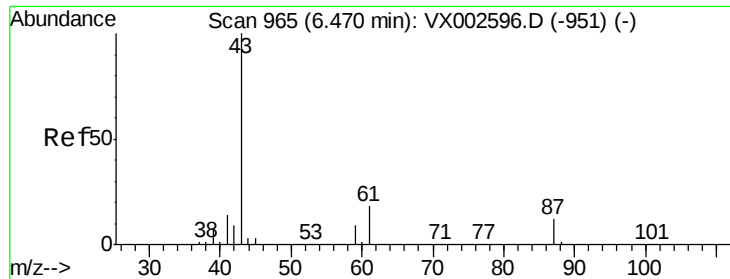
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6/18/2018 5:12:02 PM



#42
1,2-Dichloroethane
Concen: 20.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.4	0.0	16.6





#43

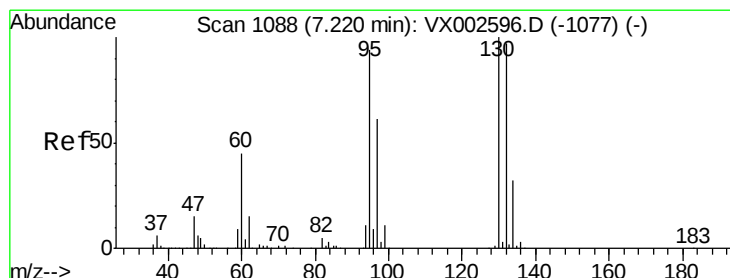
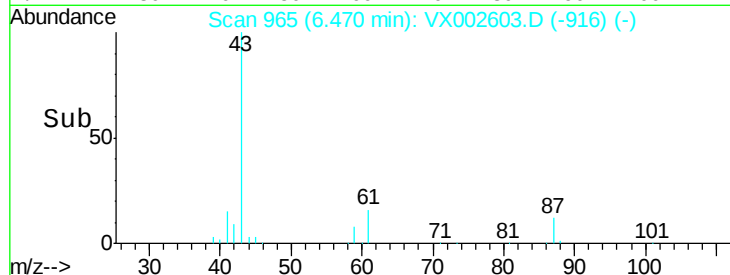
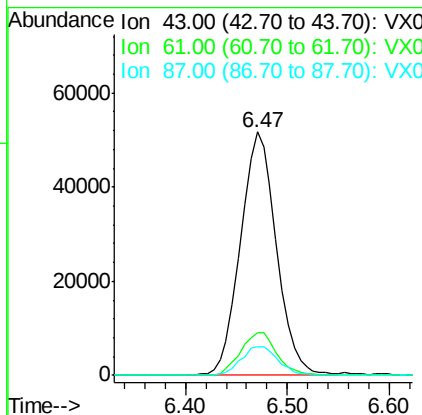
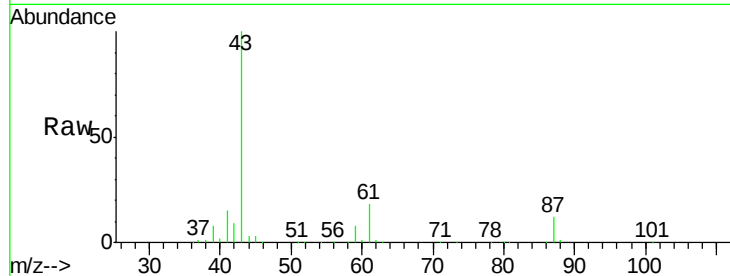
Isopropyl Acetate
 Concen: 19.81 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.4	9.5	14.3

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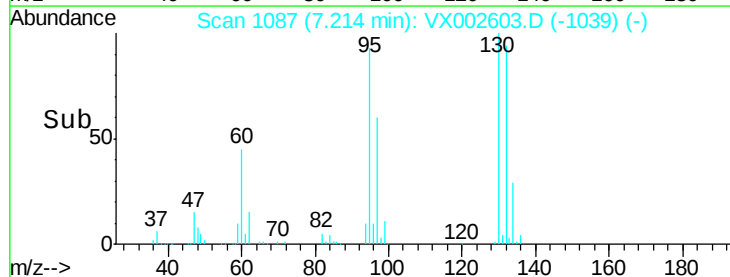
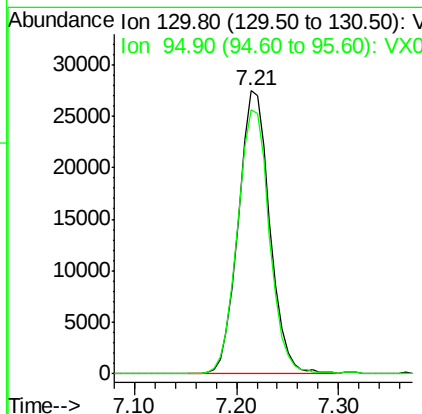
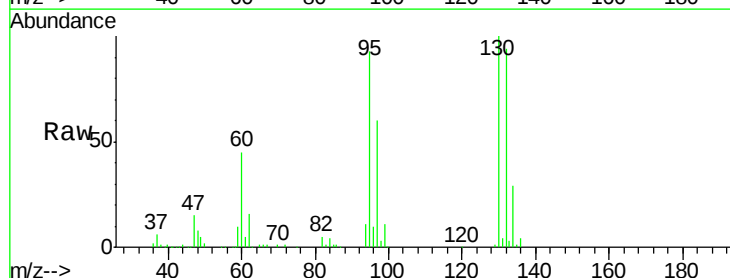
MMDadoda
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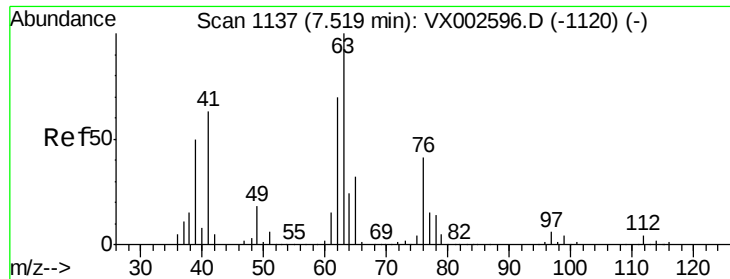


#44

Trichloroethene
 Concen: 20.00 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.4





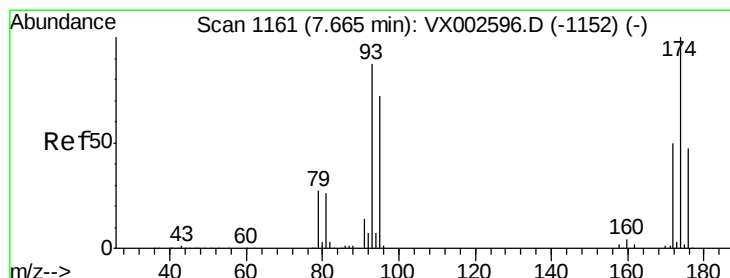
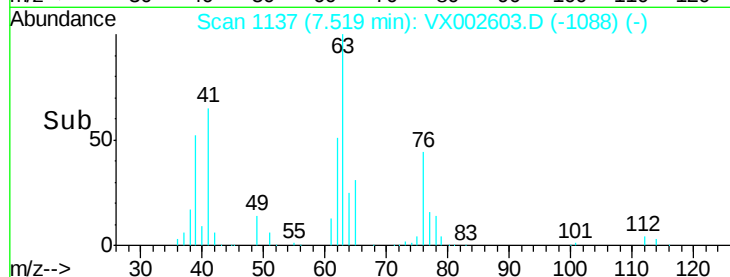
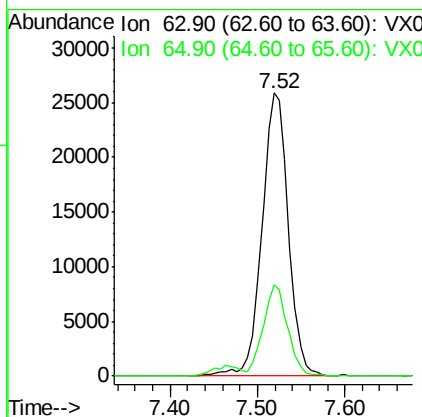
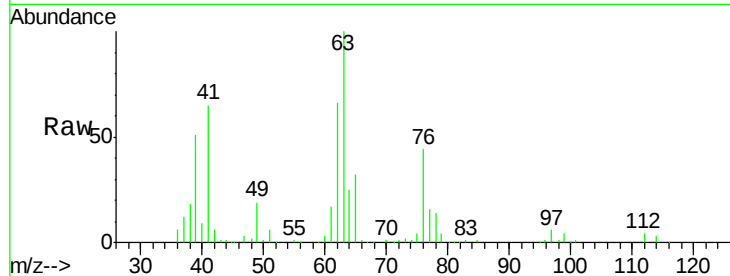
#45
 1,2-Dichloropropane
 Concen: 20.40 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion: 63 Resp: 54581
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.7 37.1

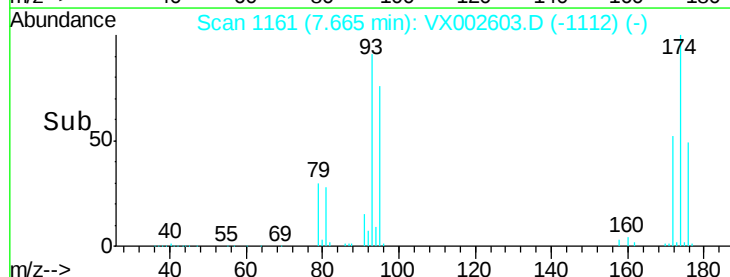
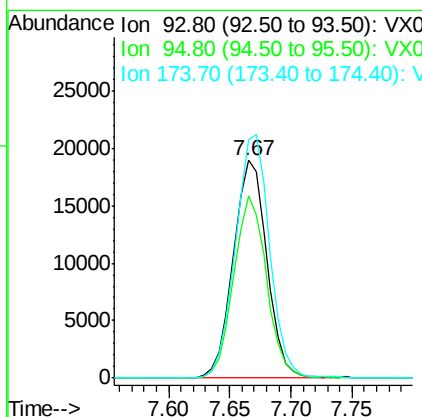
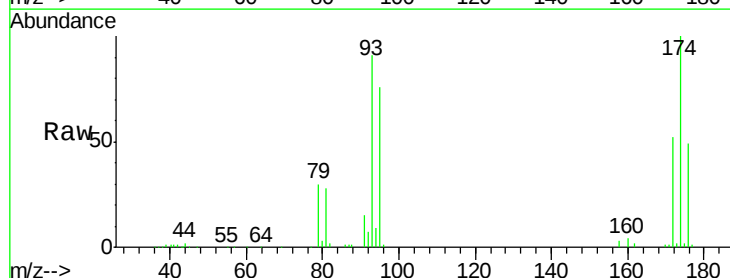
Manual Integrations
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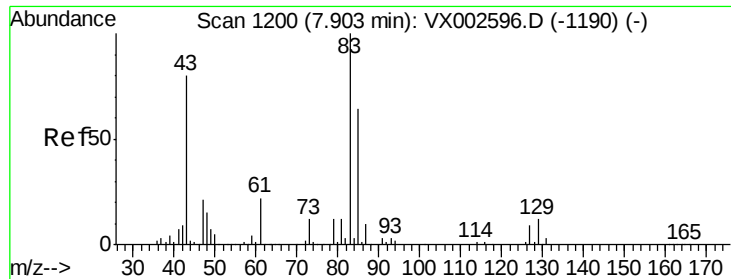
MMDadoda
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#46
 Dibromomethane
 Concen: 20.17 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion: 93 Resp: 36102
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.9 98.9
 174 113.8 92.4 138.6





#47

Bromodichloromethane

Concen: 20.00 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

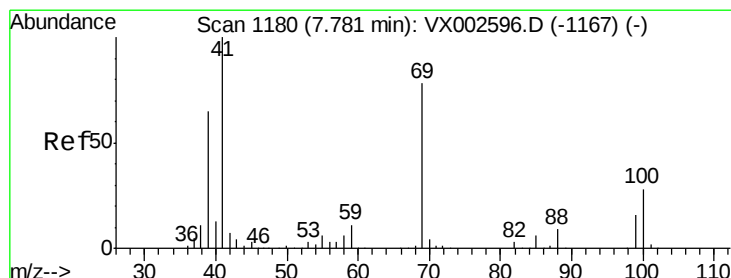
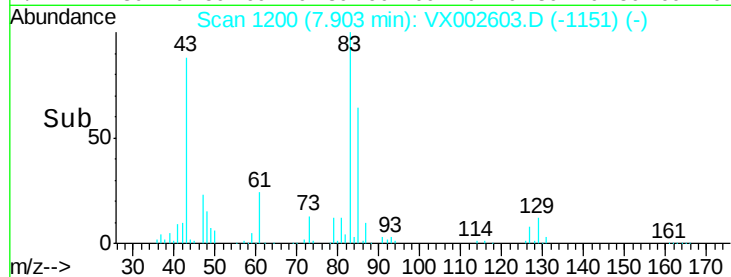
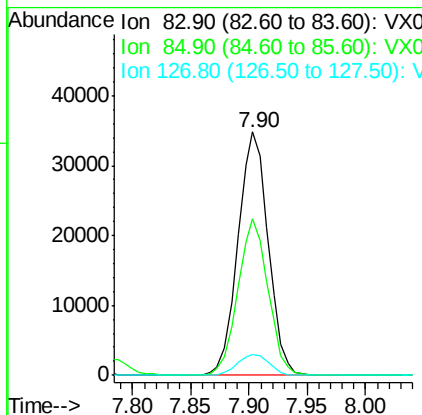
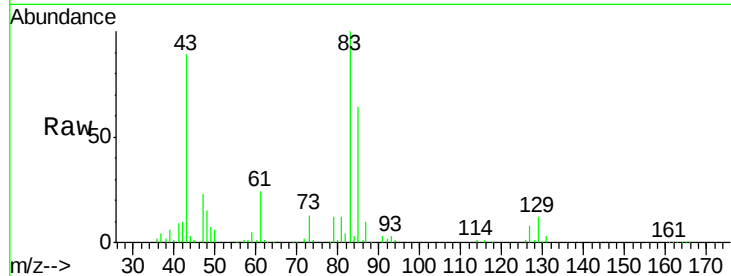
ClientSampleId :

VX0615WBS01

Tot Ion:	83	Resp:	63145
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.3	75.5
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.25 ug/l

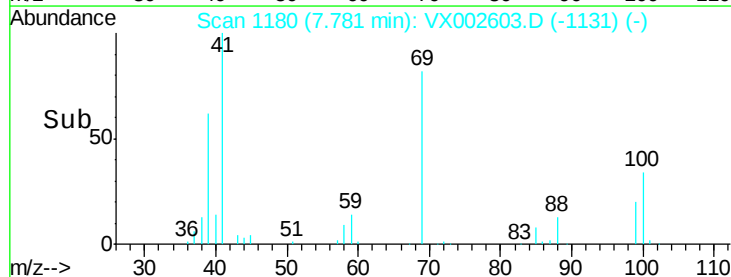
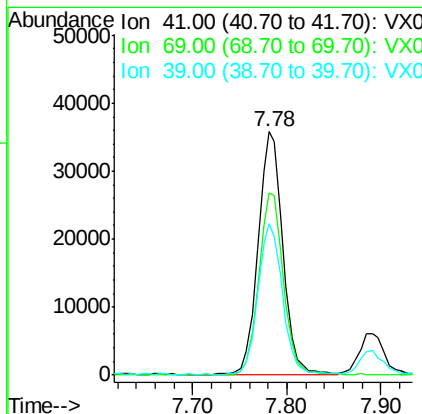
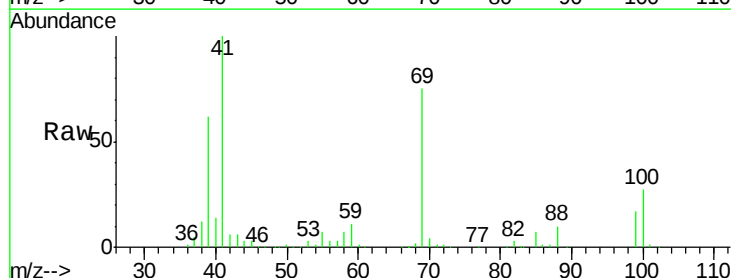
RT: 7.78 min Scan# 1180

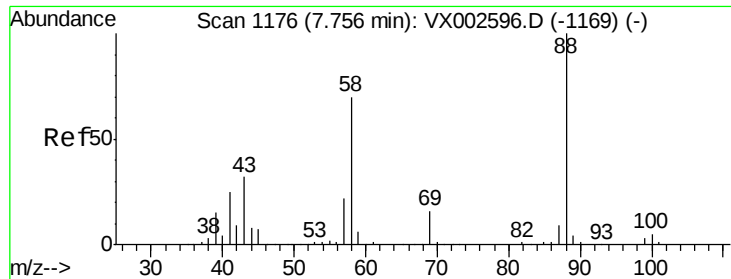
Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion:	41	Resp:	65783
Ion Ratio	Lower	Upper	
41	100		
69	75.3	59.1	88.7
39	61.6	48.9	73.3





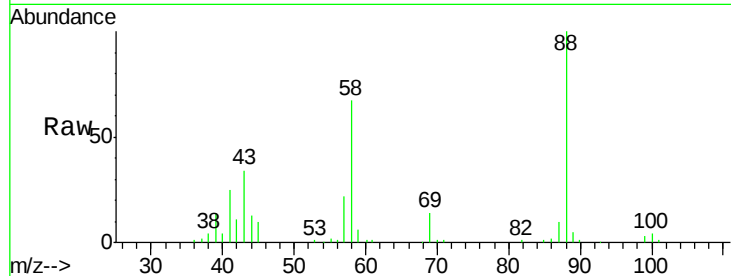
#49
1,4-Dioxane
Concen: 418.32 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

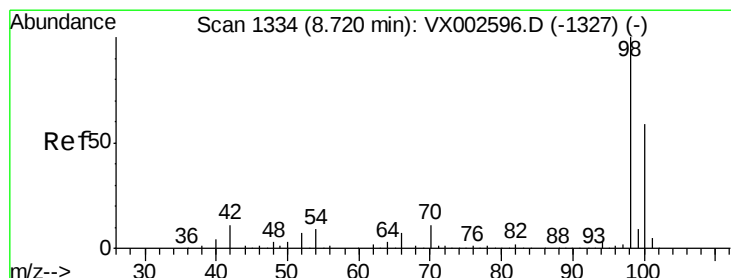
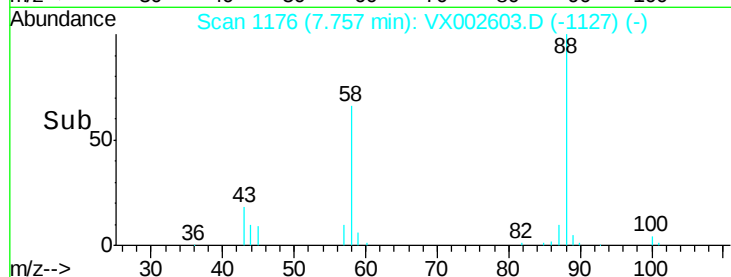
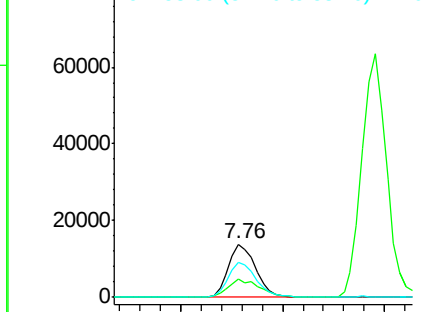
Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	29.8	44.6
58	68.8	57.1	85.7

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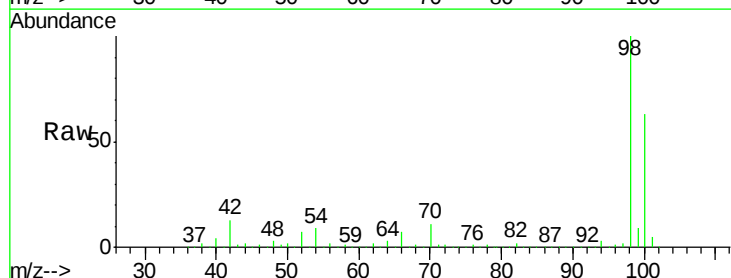


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

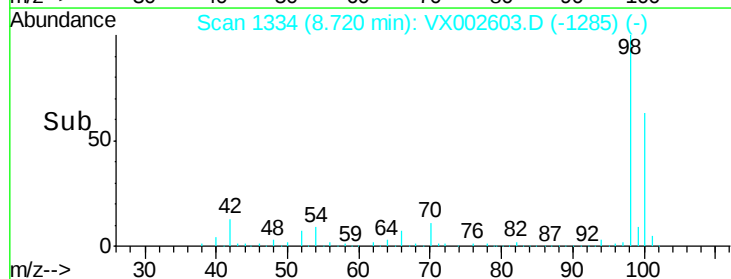
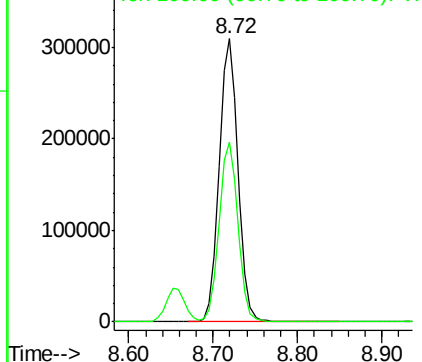


#50
Toluene-d8
Concen: 49.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





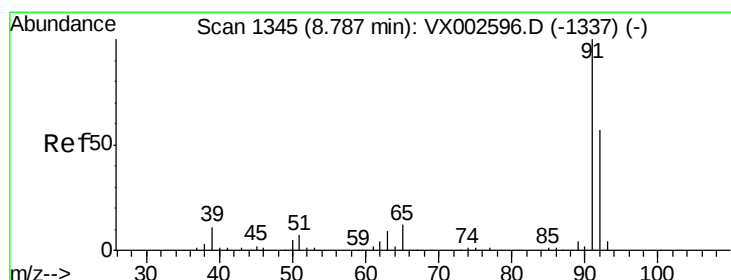
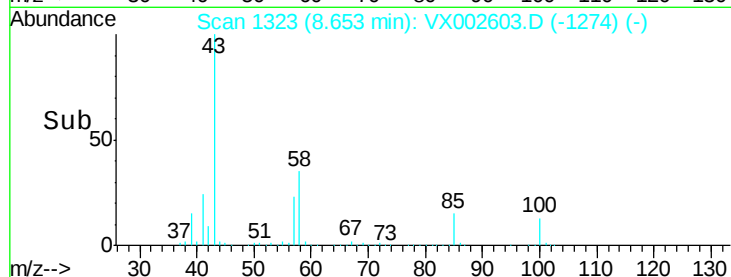
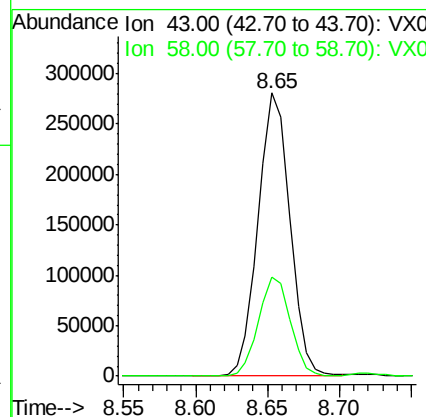
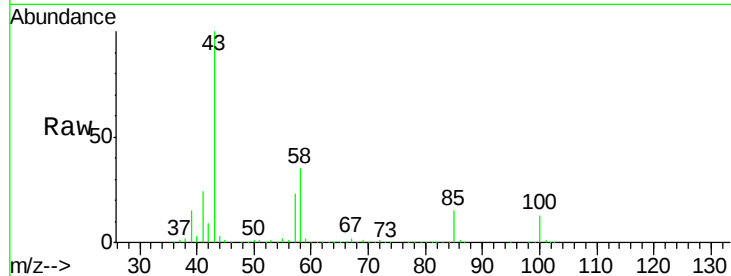
#51
4-Methyl-2-Pentanone
Concen: 104.84 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion: 43 Resp: 428002
Ion Ratio Lower Upper
43 100
58 35.3 28.6 42.8

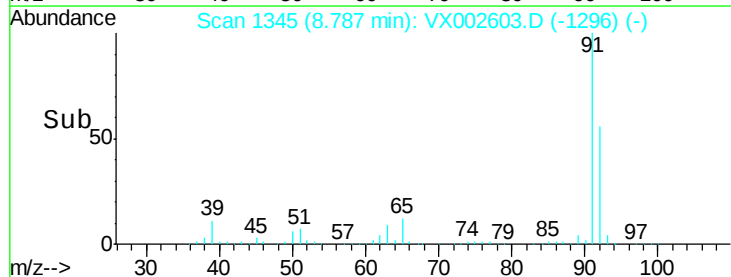
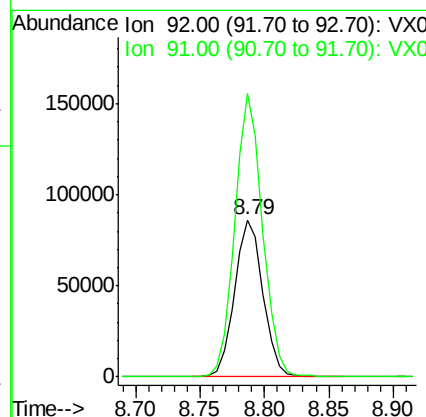
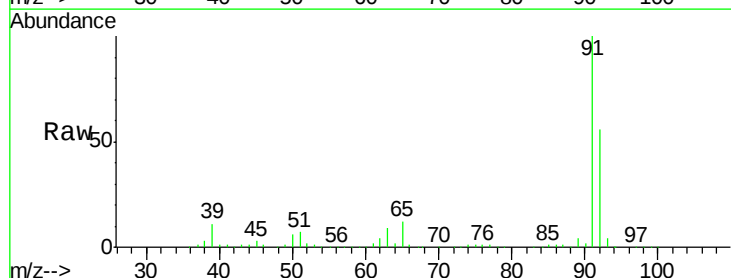
Manual Integrations
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#52
Toluene
Concen: 20.47 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion: 92 Resp: 132744
Ion Ratio Lower Upper
92 100
91 176.0 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.43 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampled :

VX0615WBS01

Tot Ion: 75 Resp: 74763

Ion Ratio Lower Upper

75 100

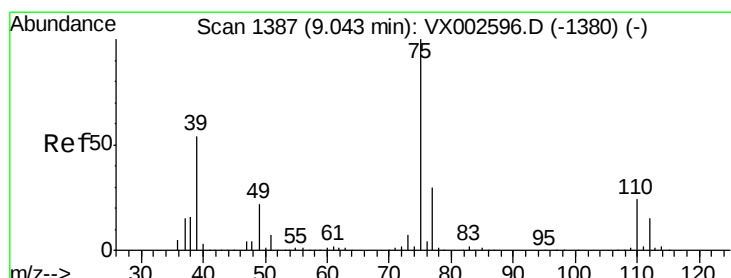
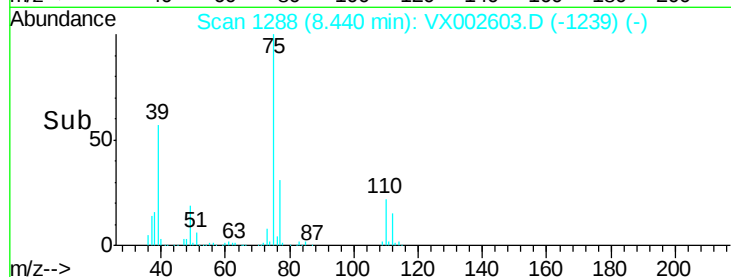
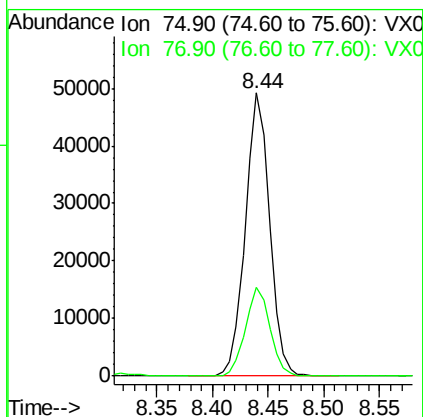
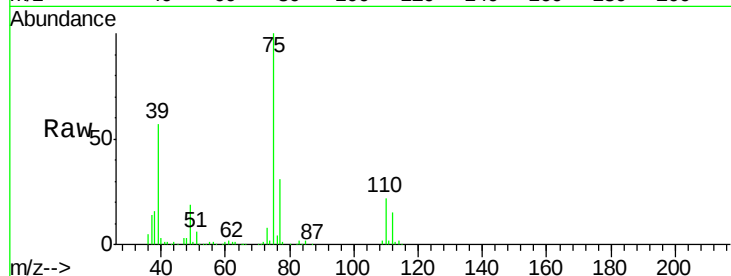
77 31.4 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.92 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

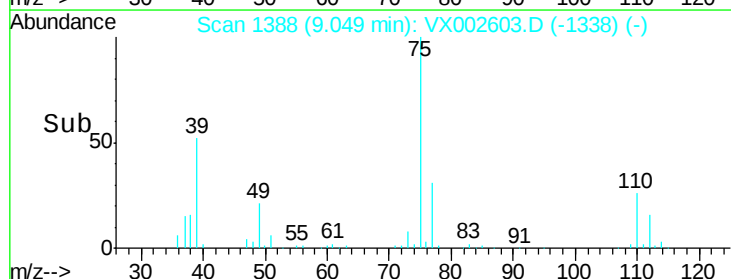
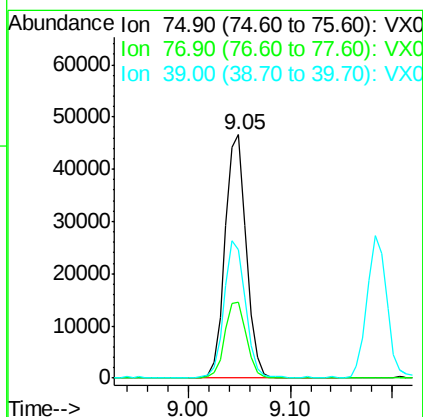
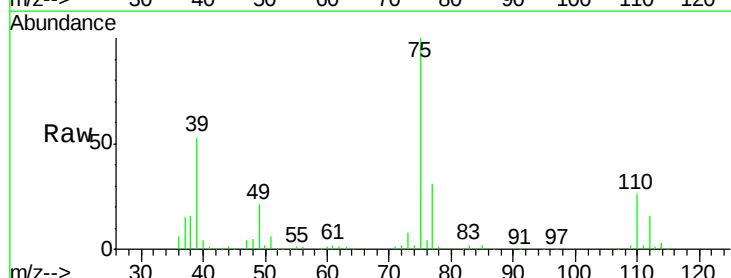
Tgt Ion: 75 Resp: 66912

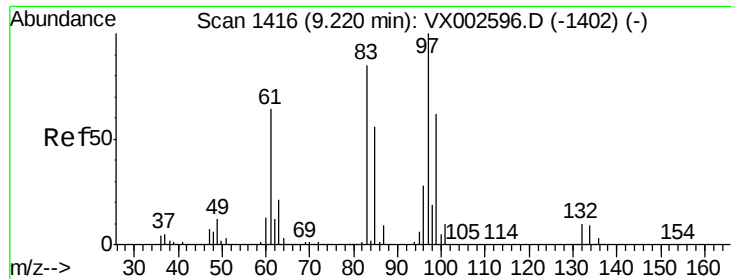
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 52.3 42.4 63.6





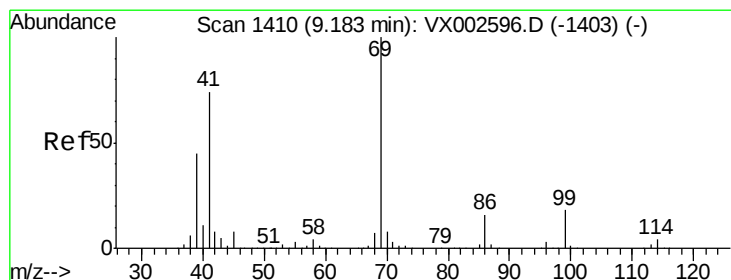
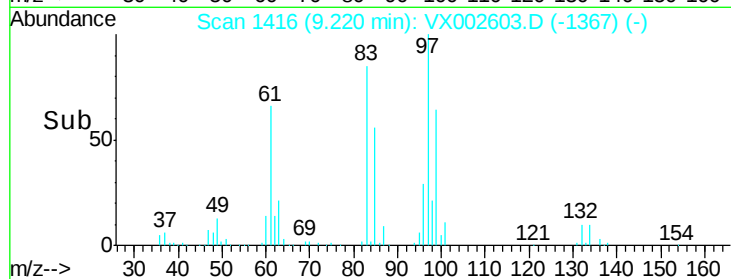
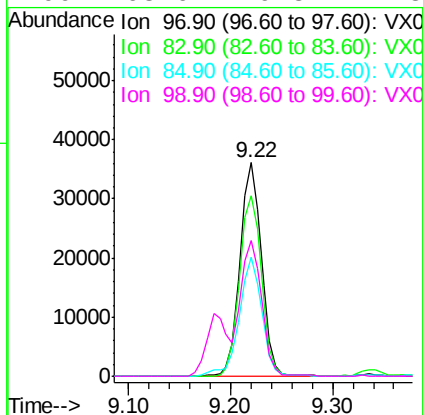
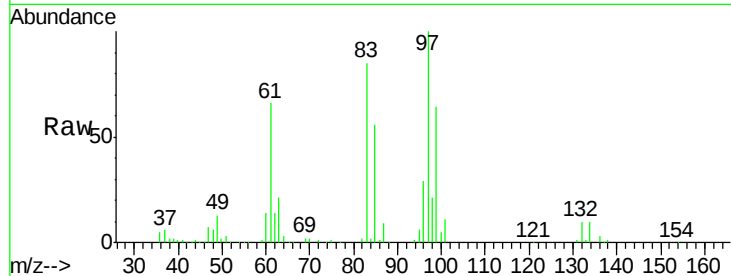
#55
 1,1,2-Trichloroethane
 Concen: 20.02 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion:	97	Resp:	52453
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.2	105.2
85	56.0	44.9	67.3
99	63.6	49.8	74.8

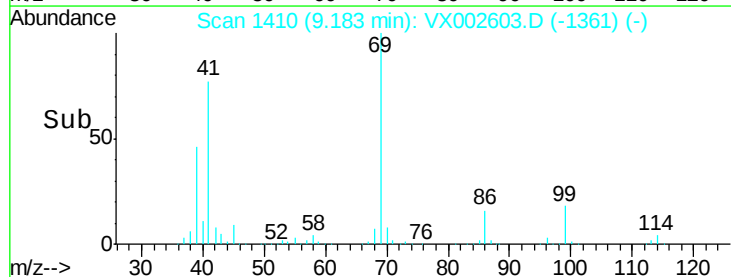
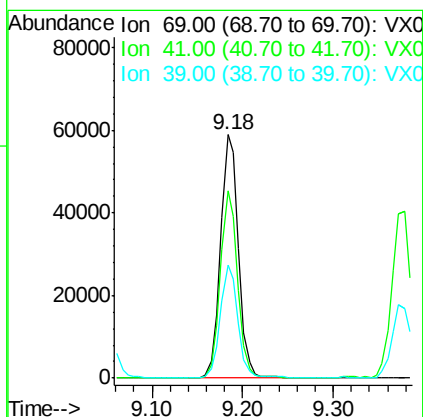
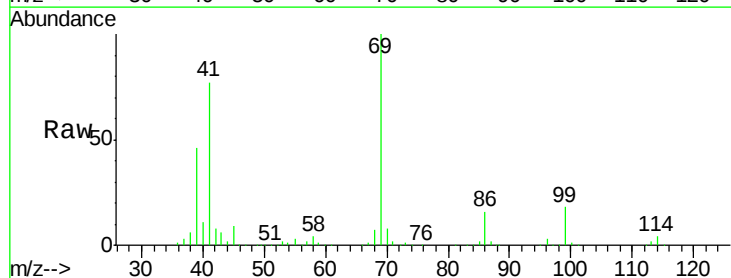
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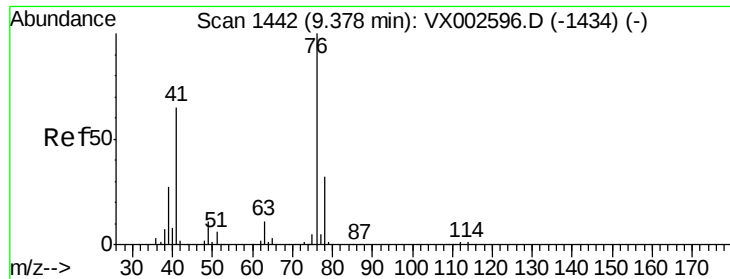
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#56
 Ethyl methacrylate
 Concen: 20.20 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion:	69	Resp:	81452
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.3	90.5
39	45.1	35.8	53.8





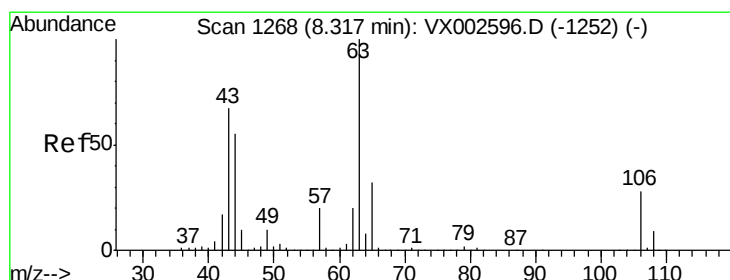
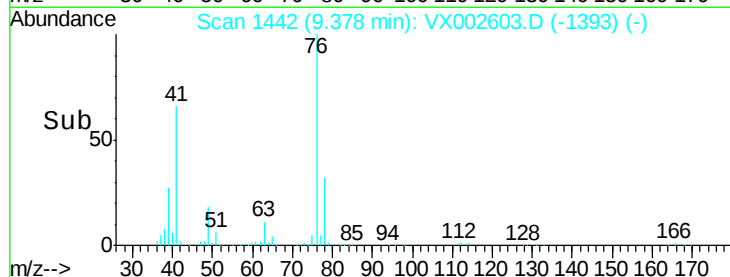
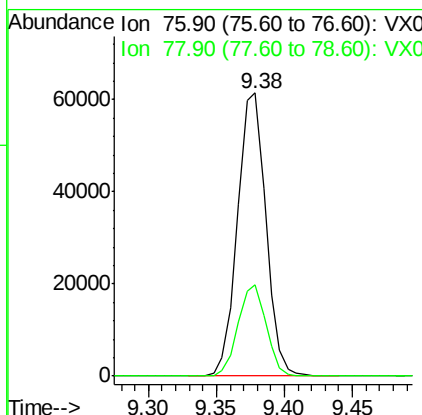
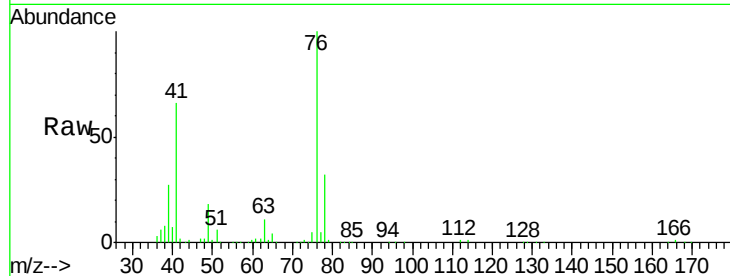
#57
 1,3-Dichloropropane
 Concen: 20.29 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion: 76 Resp: 89938
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

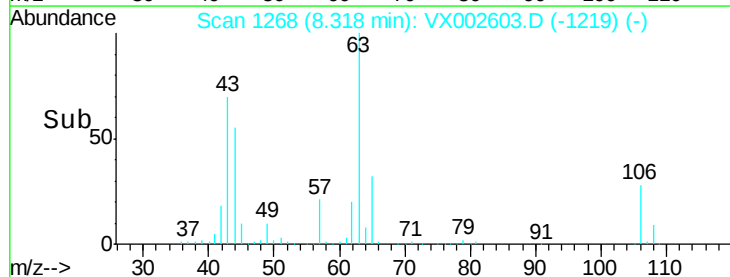
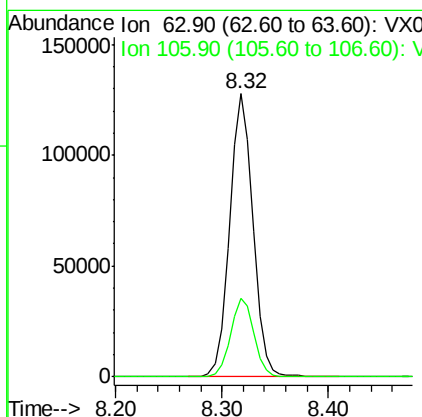
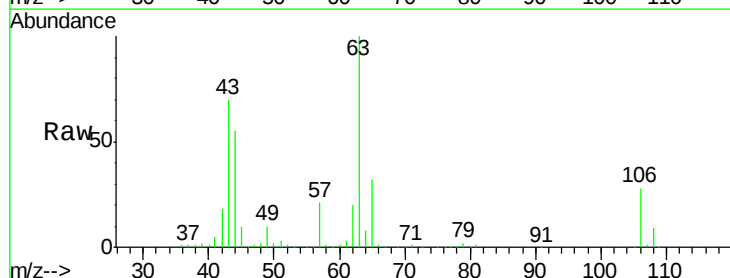
Manual Integrations
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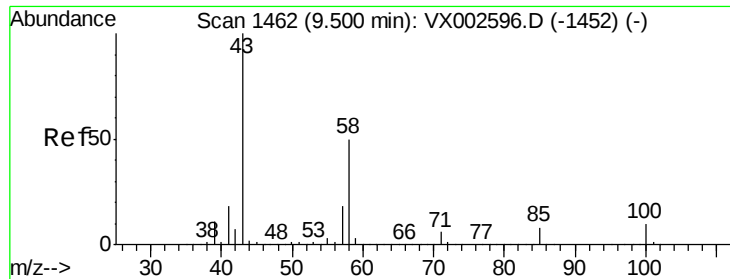
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.64 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion: 63 Resp: 196295
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.8 32.8





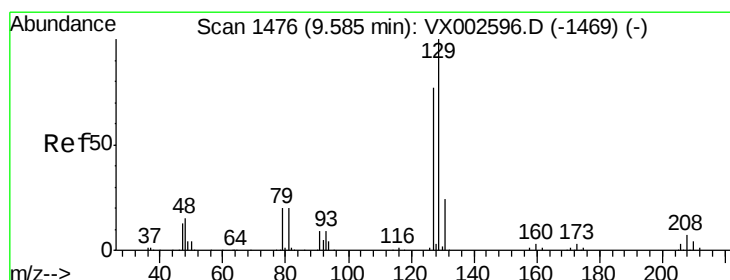
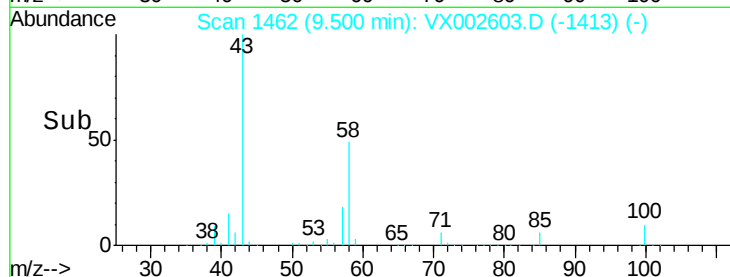
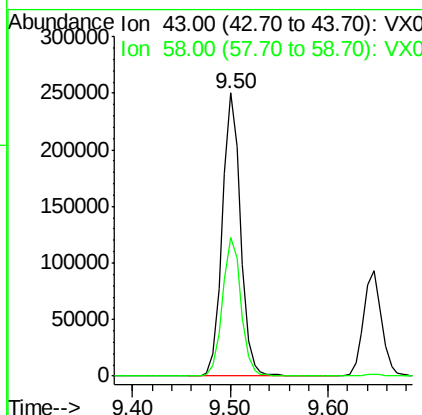
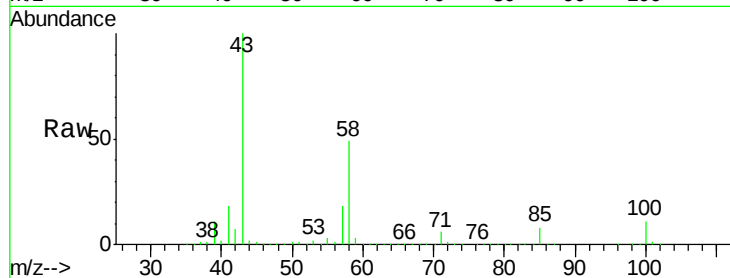
#59
2-Hexanone
Concen: 105.20 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.6	73.6

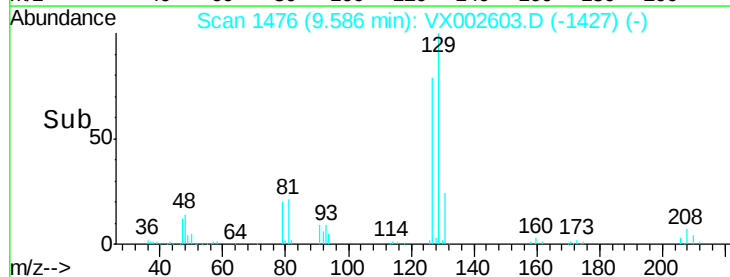
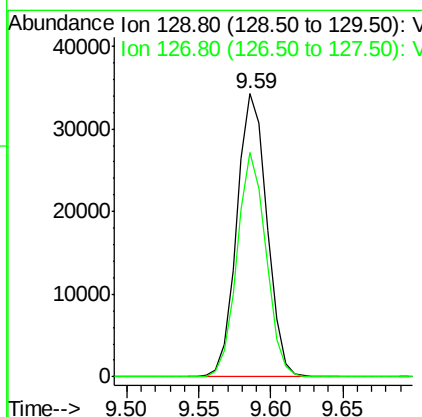
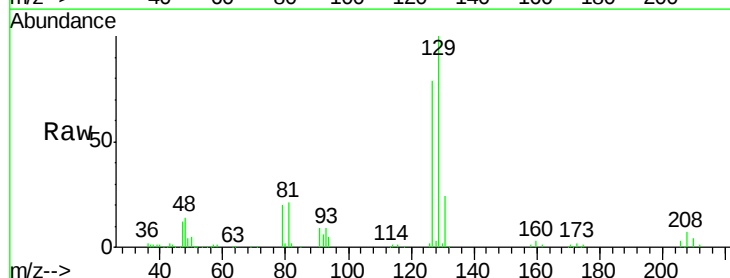
Manual Integrations
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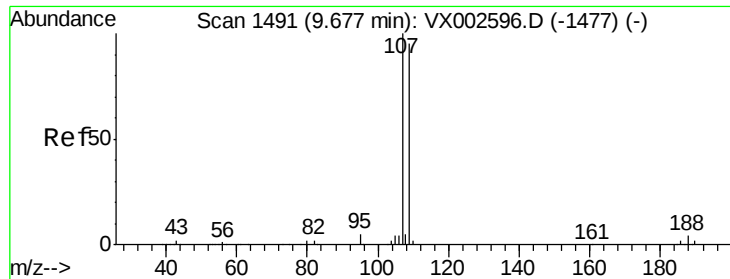
MMDadoda
6/18/2018 5:12:02 PM



#60
Dibromochloromethane
Concen: 19.39 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion:107 Resp: 55946

Ion Ratio Lower Upper

107 100

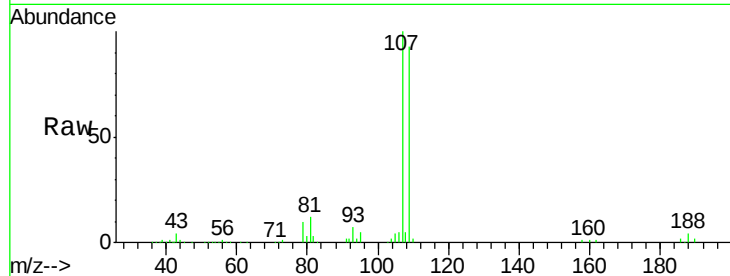
109 92.7 75.3 112.9

Manual Integrations

APPROVED

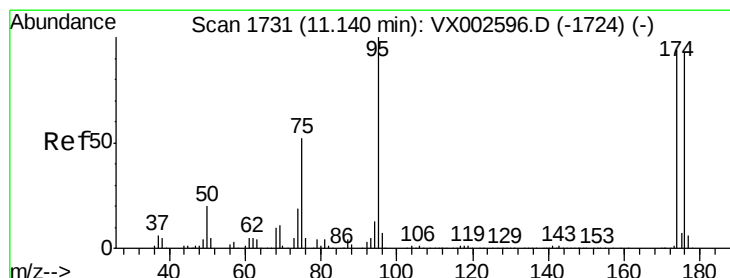
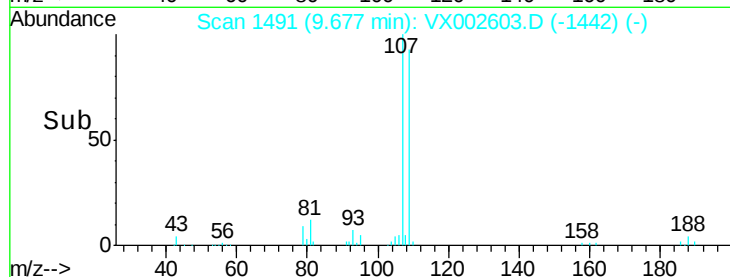
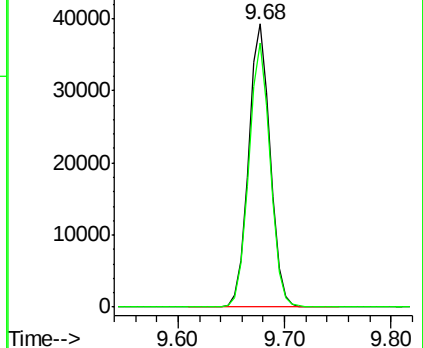
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

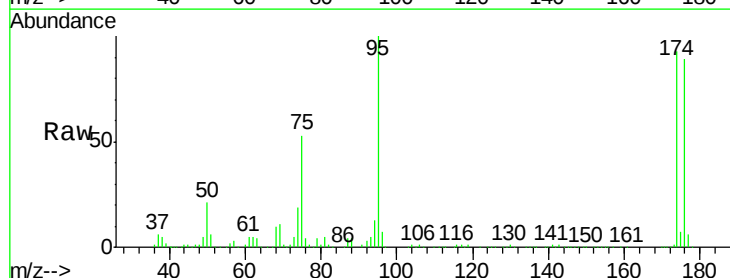
Tgt Ion: 95 Resp: 177596

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

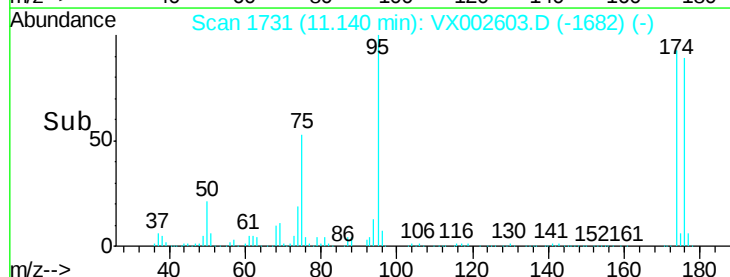
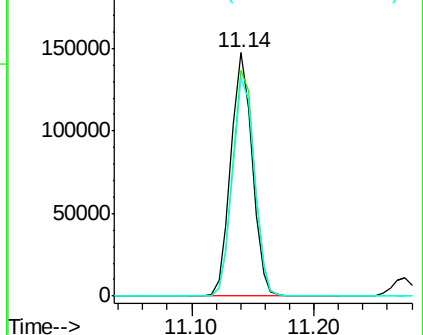
176 92.0 0.0 181.0

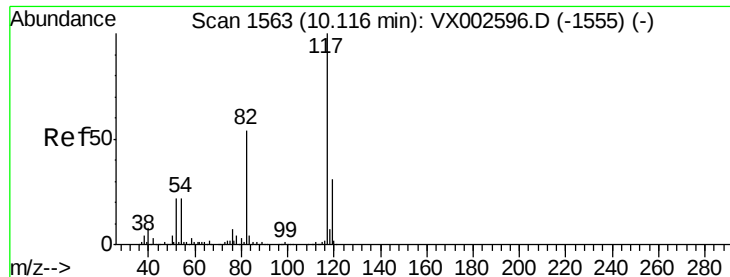


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





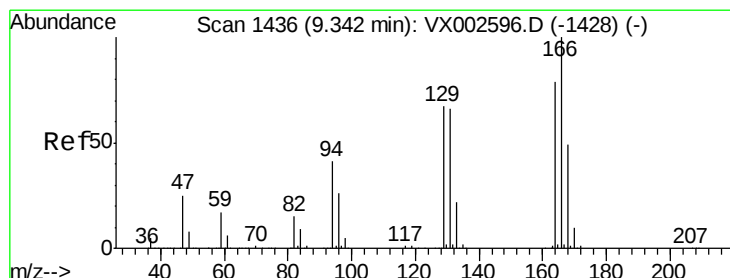
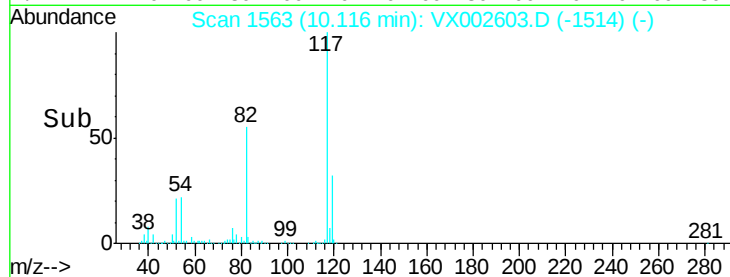
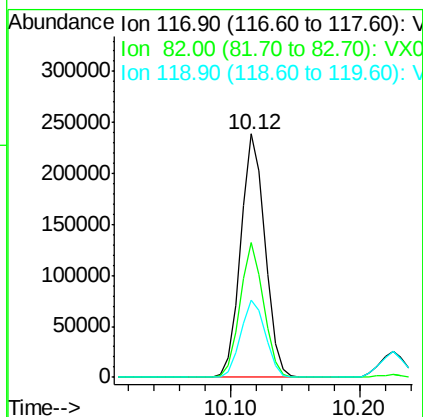
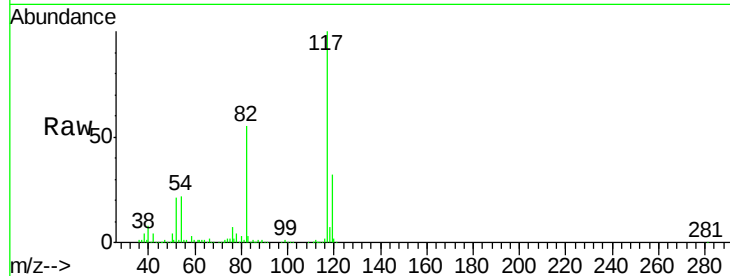
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.0	67.4
119	31.7	25.8	38.6

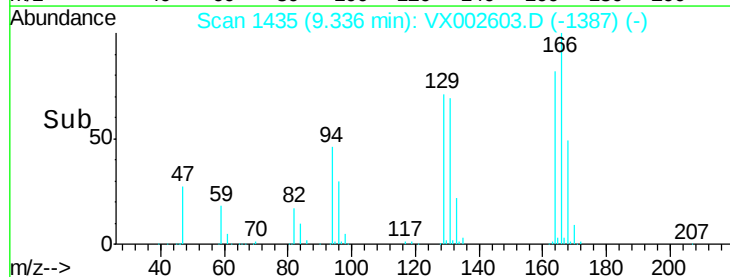
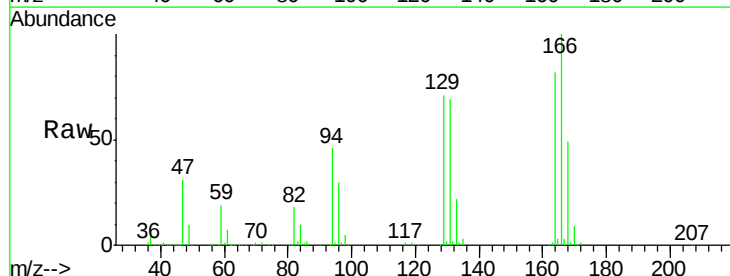
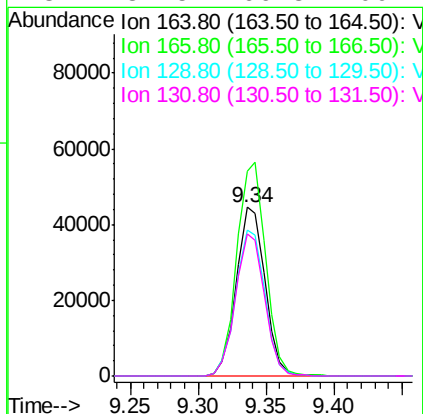
Manual Integrations
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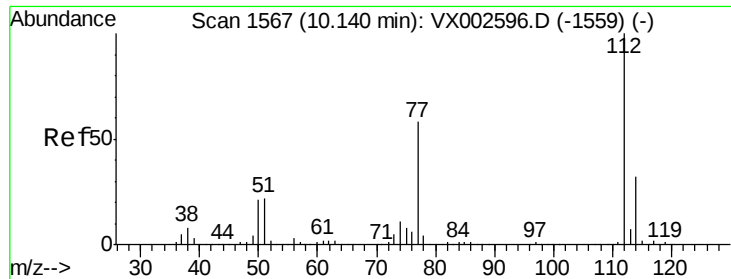
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#64
Tetrachloroethene
Concen: 18.96 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	102.9	154.3
129	86.5	68.6	102.8
131	84.5	66.8	100.2





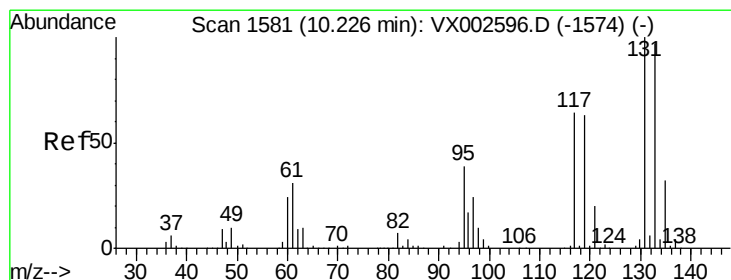
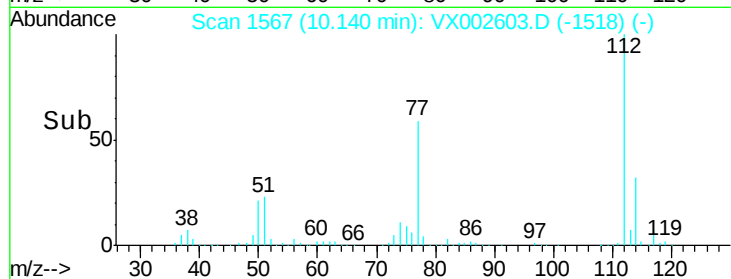
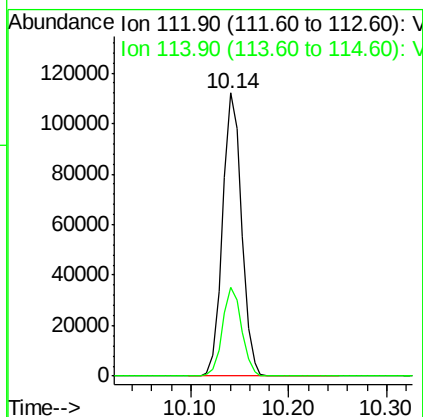
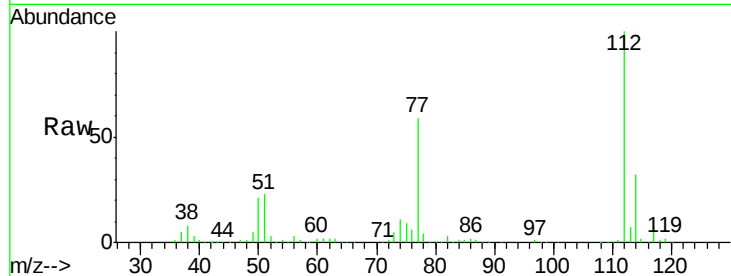
#65
Chlorobenzene
Concen: 19.89 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion:112 Resp: 151707
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

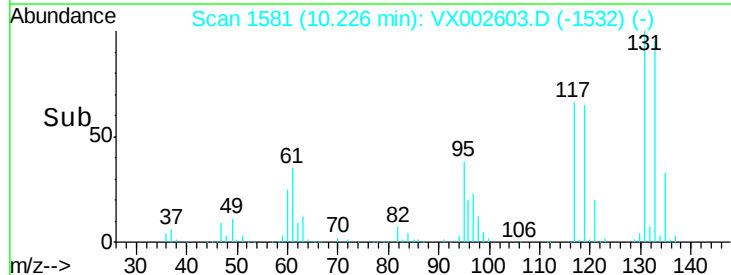
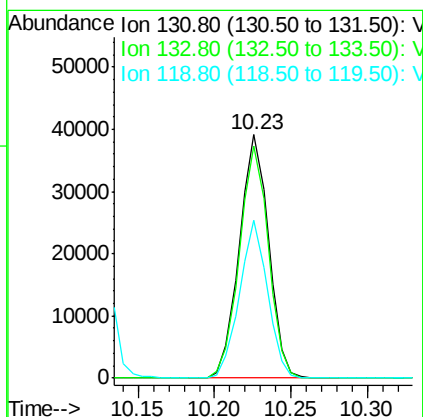
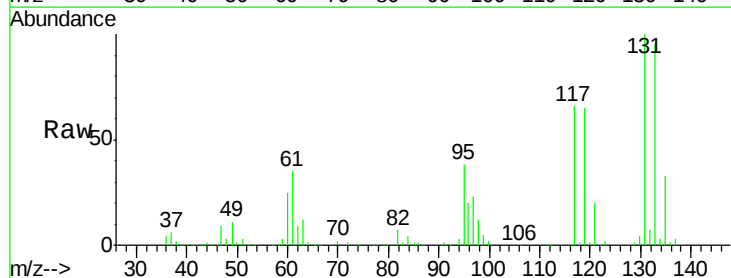
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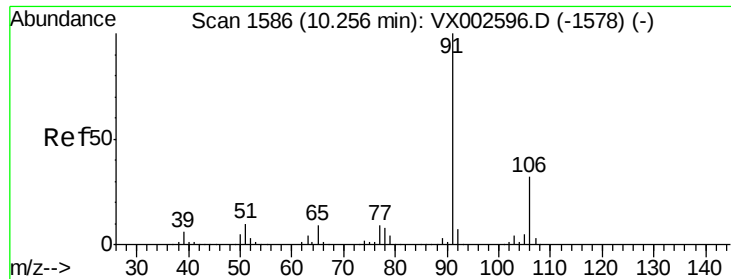
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.00 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion:131 Resp: 52014
Ion Ratio Lower Upper
131 100
133 94.4 47.9 143.6
119 62.3 31.8 95.3





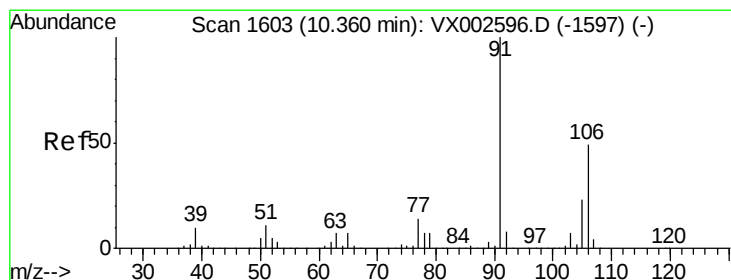
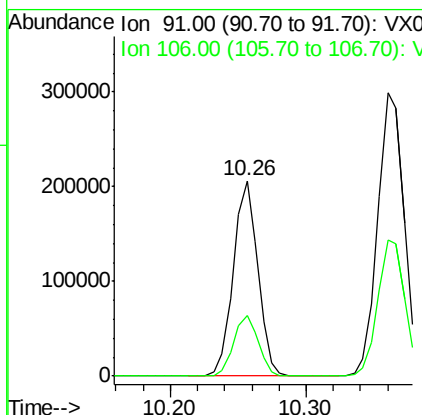
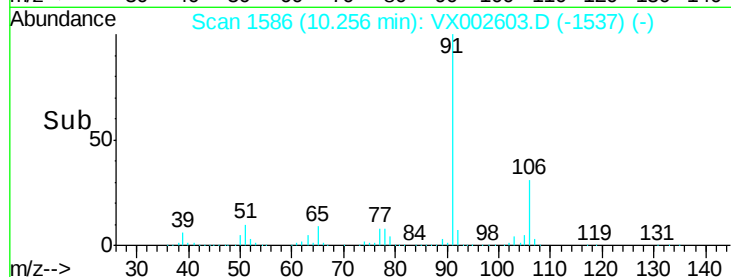
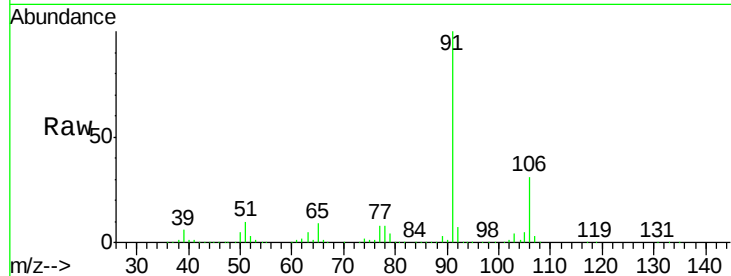
#67
Ethyl Benzene
Concen: 20.12 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion: 91 Resp: 258926
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

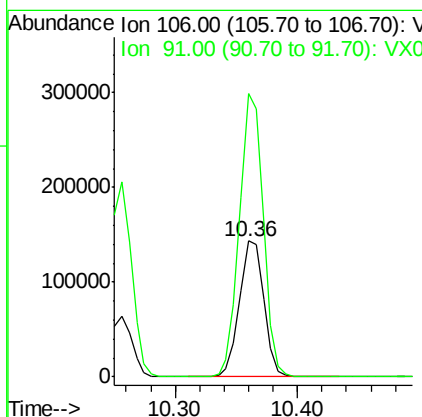
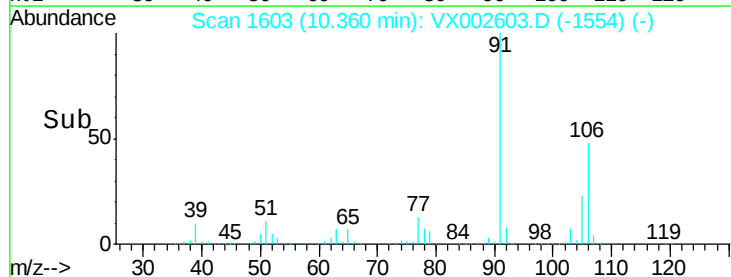
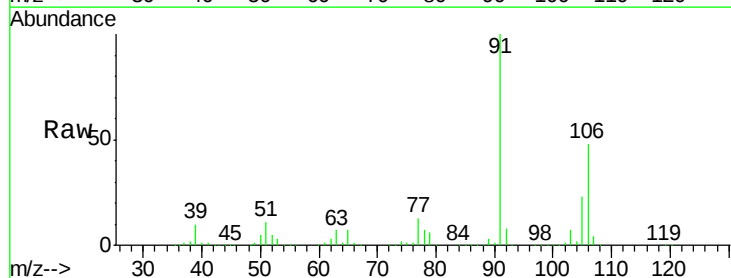
Manual Integrations
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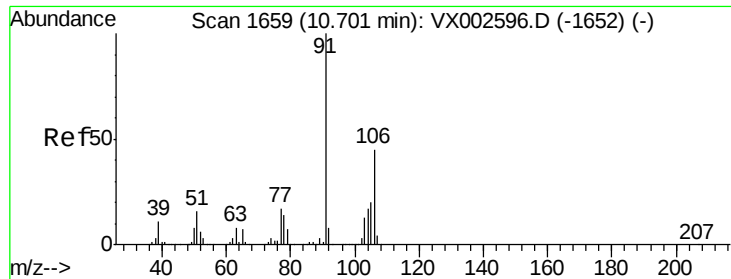
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#68
m/p-Xylenes
Concen: 39.69 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion: 106 Resp: 197028
Ion Ratio Lower Upper
106 100
91 204.9 163.4 245.2





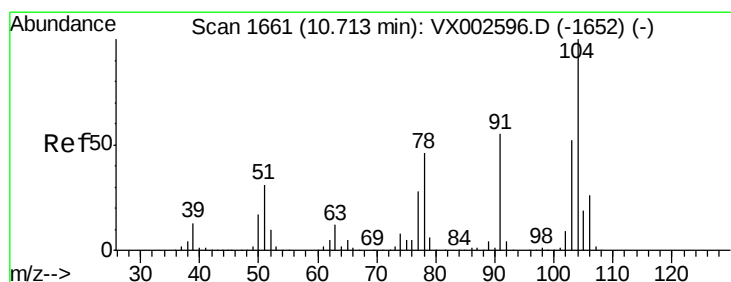
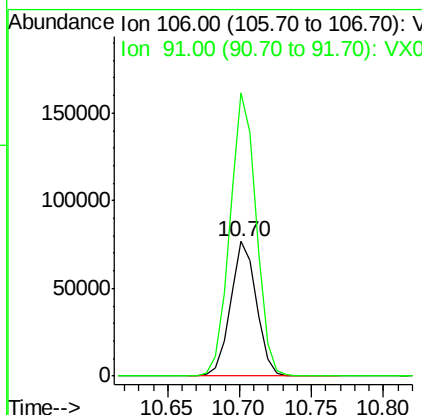
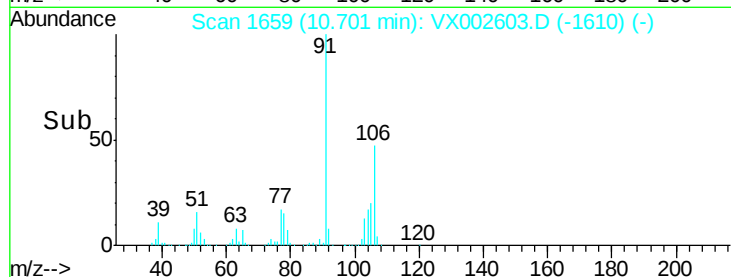
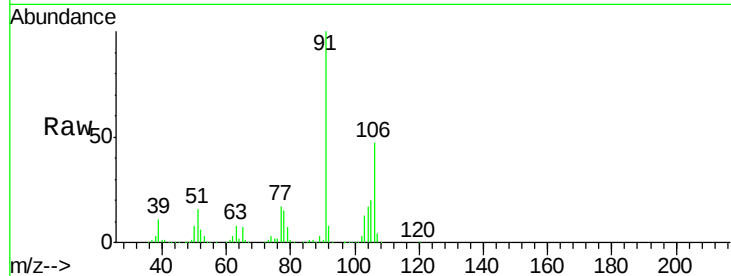
#69
o-Xylene
Concen: 19.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampled :
VX0615WBS01

Tot Ion:106 Resp: 97162
Ion Ratio Lower Upper
106 100
91 213.1 108.2 324.6

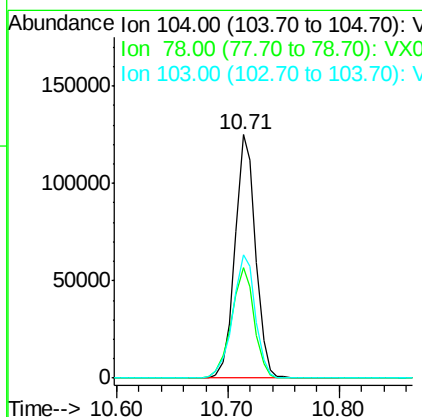
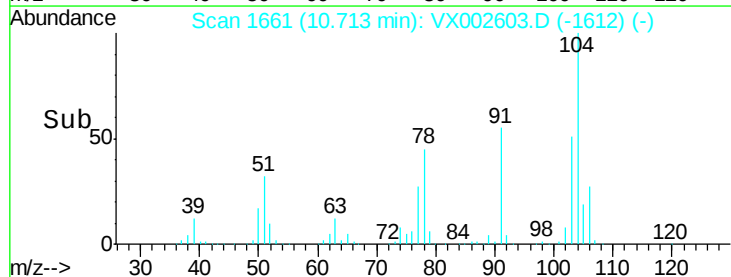
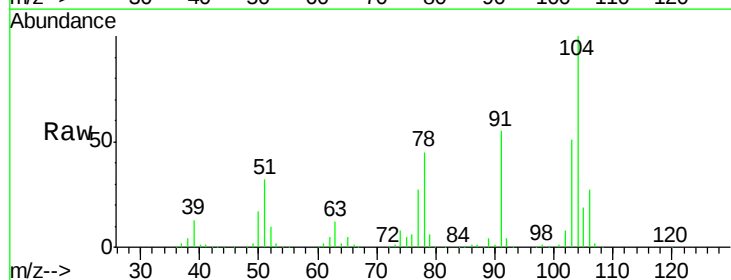
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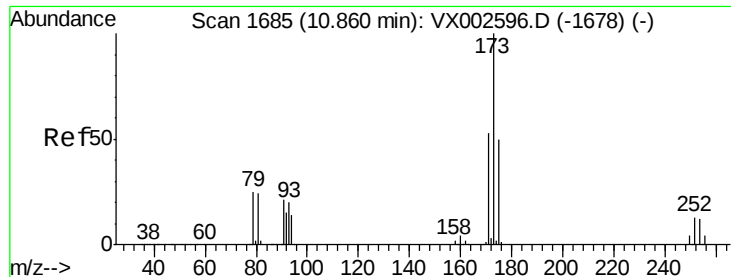
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#70
Styrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion:104 Resp: 159855
Ion Ratio Lower Upper
104 100
78 50.0 41.0 61.6
103 55.6 44.2 66.4





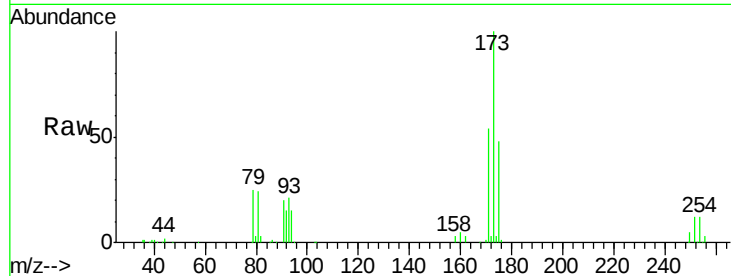
#71
Bromoform
Concen: 18.58 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

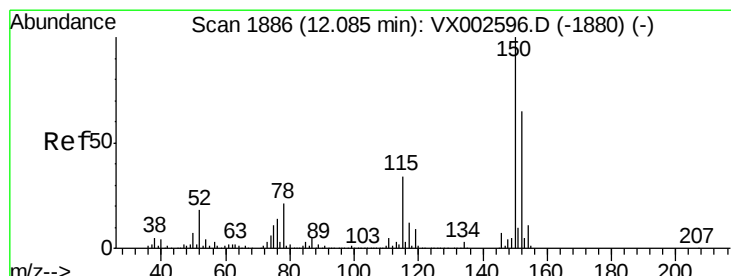
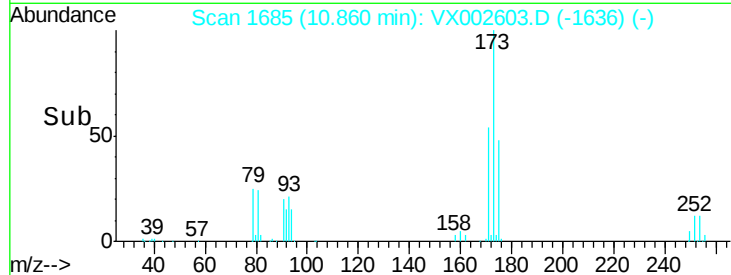
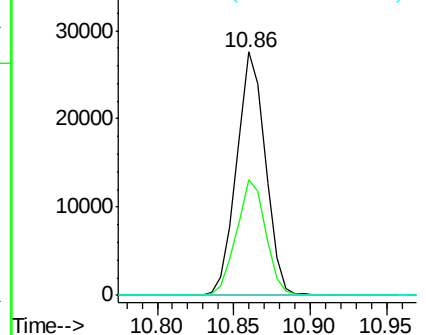
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.1	0.2	0.2#

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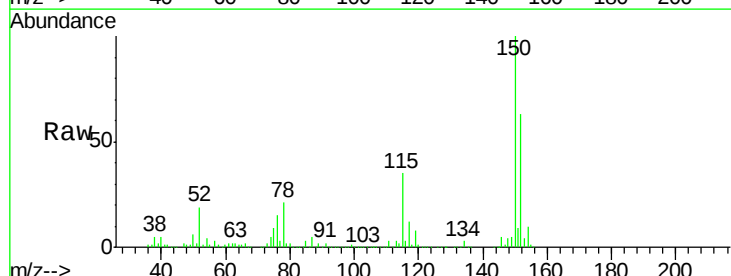


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

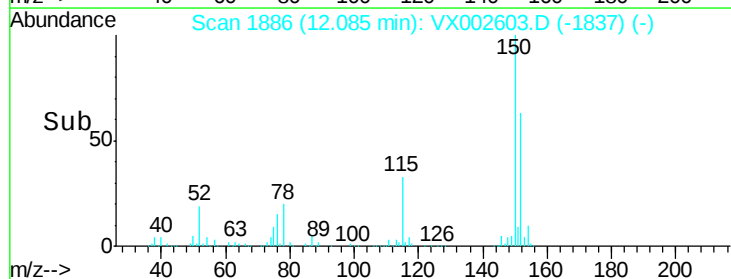
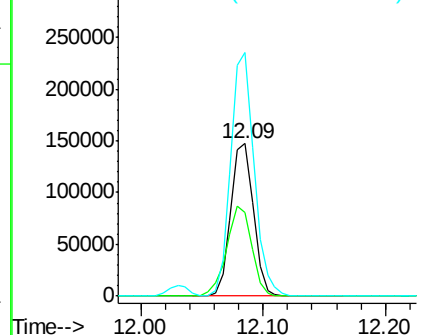


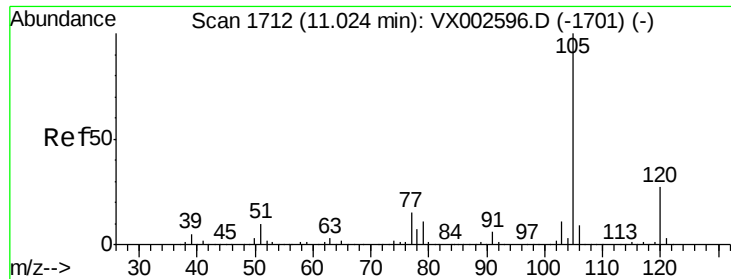
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.3	40.1	120.2
150	165.2	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: 20.99 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion:105 Resp: 264123

Ion Ratio Lower Upper

105 100

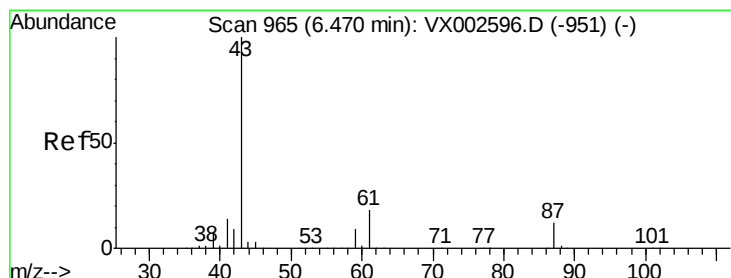
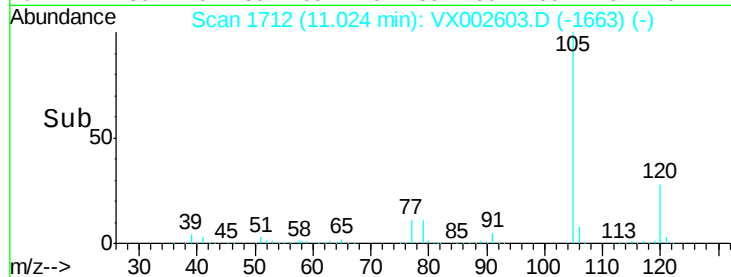
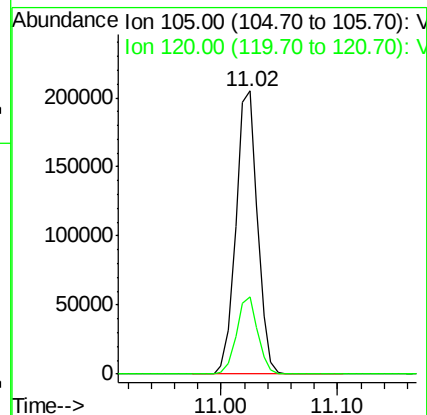
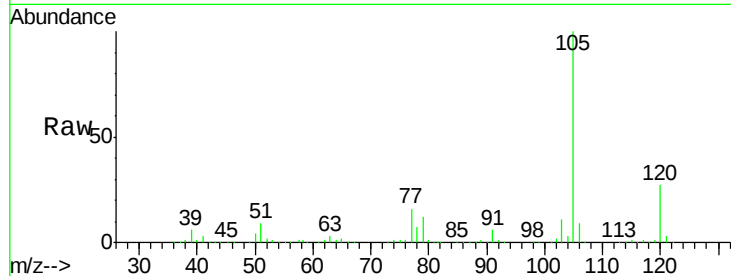
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.14 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion: 43 Resp: 125949

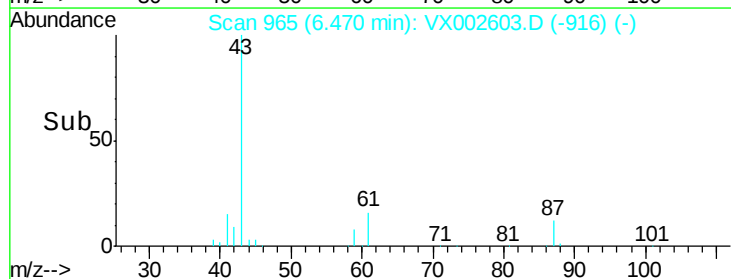
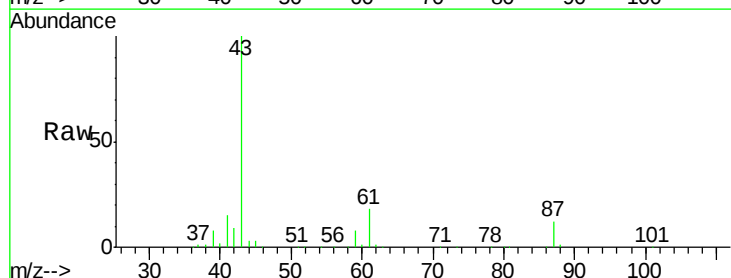
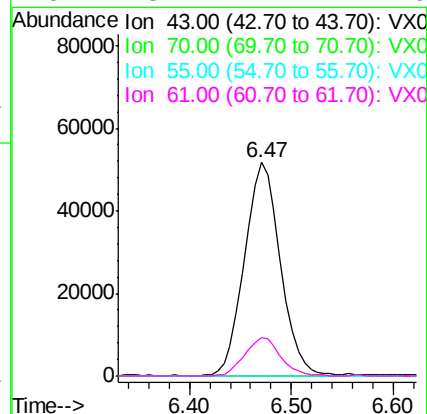
Ion Ratio Lower Upper

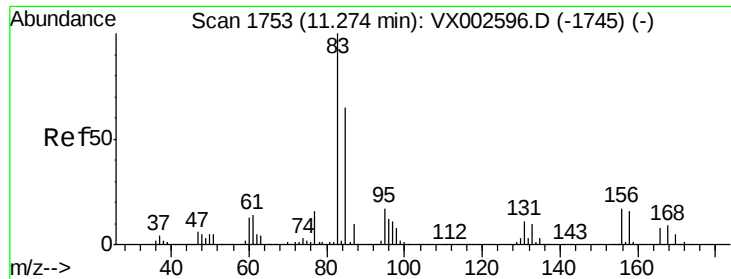
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.02 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

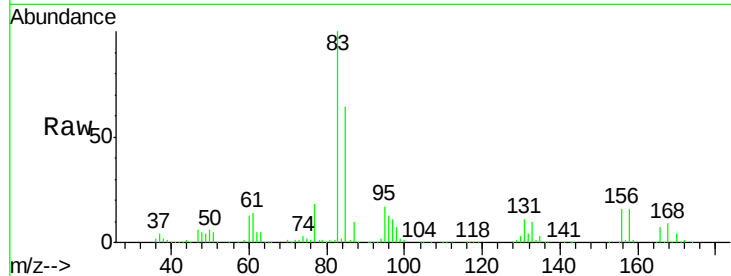
ClientSampleId :

VX0615WBS01

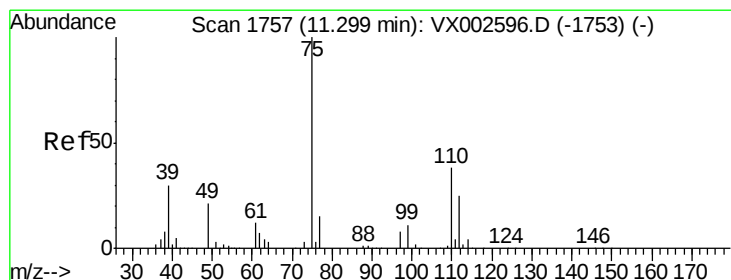
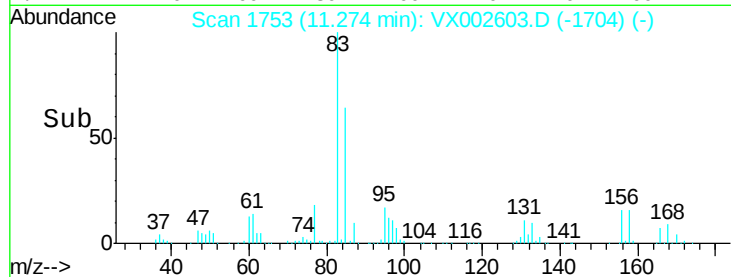
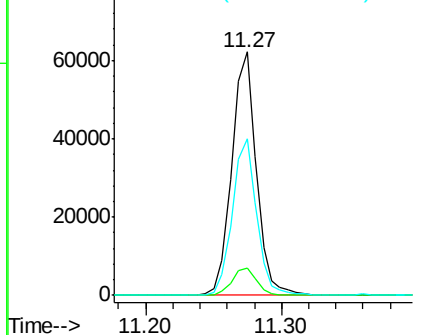
Tot Ion:	83	Resp:	78132
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.0	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 19.74 ug/l m

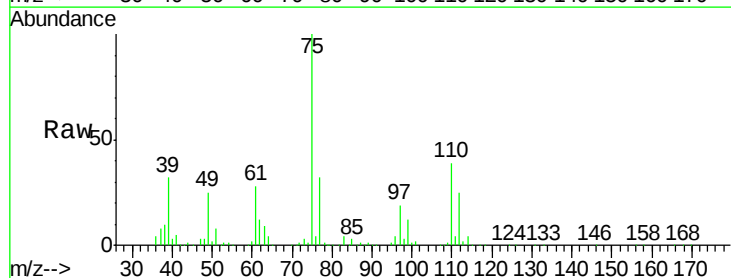
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

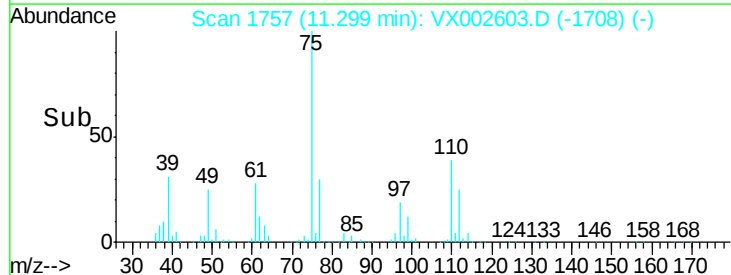
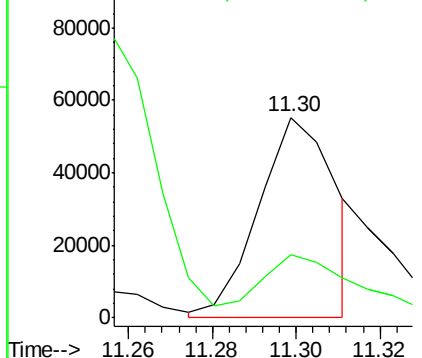
Lab File: VX002603.D

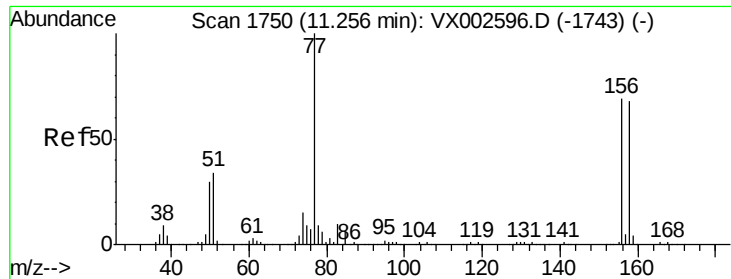
Acq: 15 Jun 2018 18:23

Tgt Ion:	75	Resp:	70103
Ion Ratio	Lower	Upper	
75	100		
77	40.8	22.8	68.3



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





#77

Bromobenzene

Concen: 20.29 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion:156 Resp: 71128

Ion Ratio Lower Upper

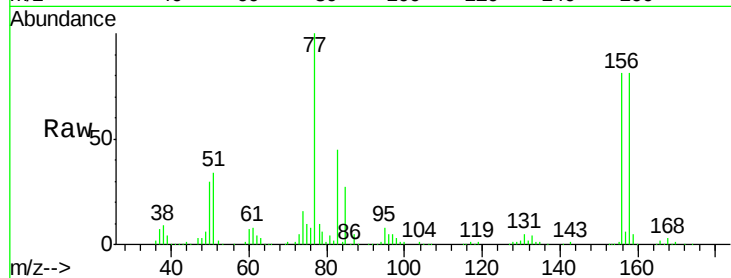
156 100

77 140.6 71.4 214.2

158 97.9 48.9 146.6

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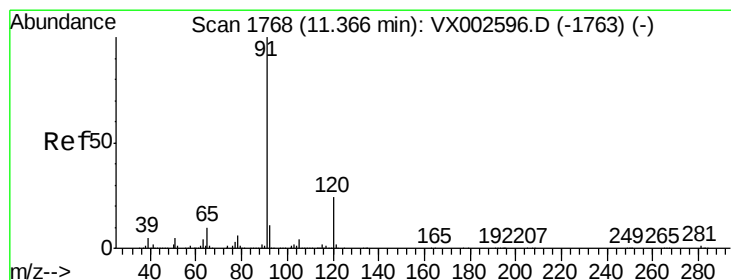
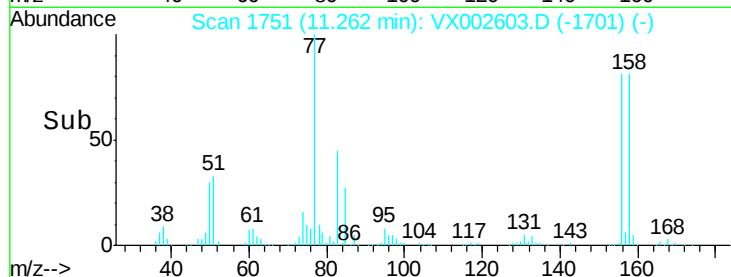
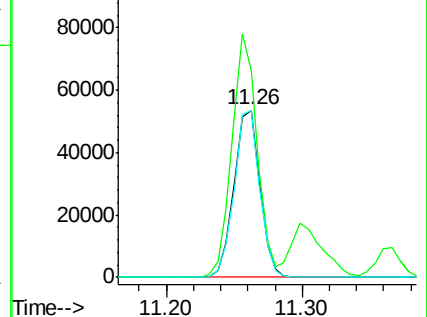
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.91 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002603.D

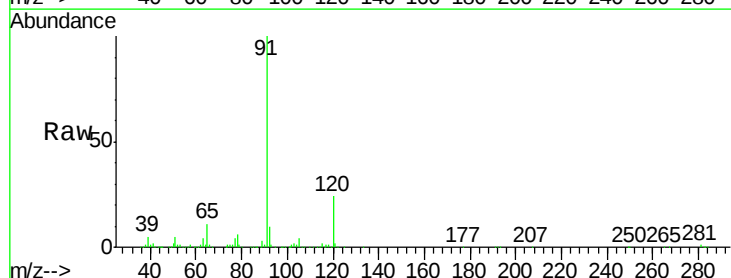
Acq: 15 Jun 2018 18:23

Tgt Ion: 91 Resp: 301862

Ion Ratio Lower Upper

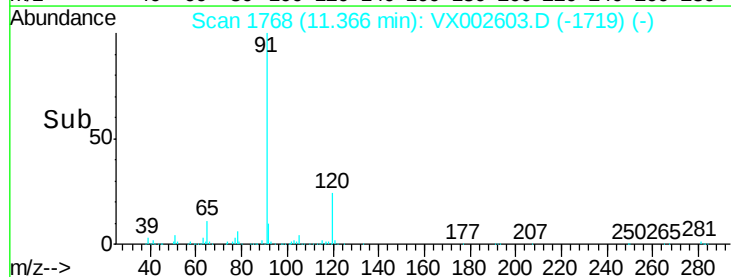
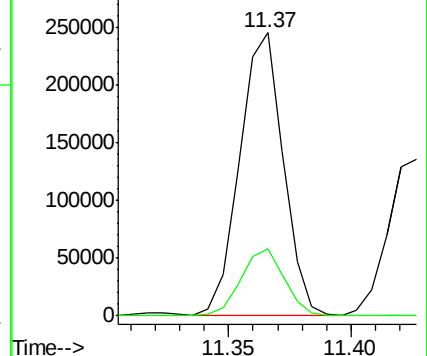
91 100

120 23.6 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: 20.40 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampled :

VX0615WBS01

Tot Ion: 91 Resp: 175756

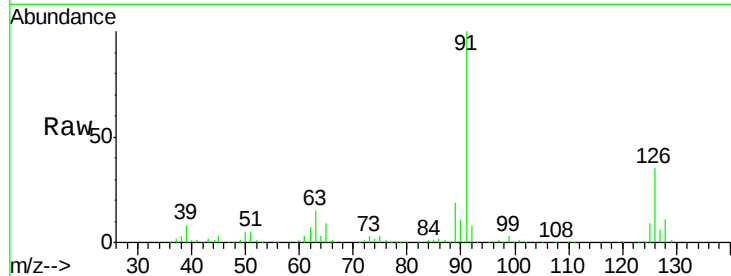
Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1

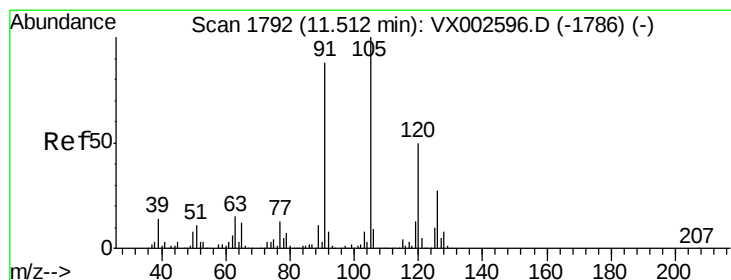
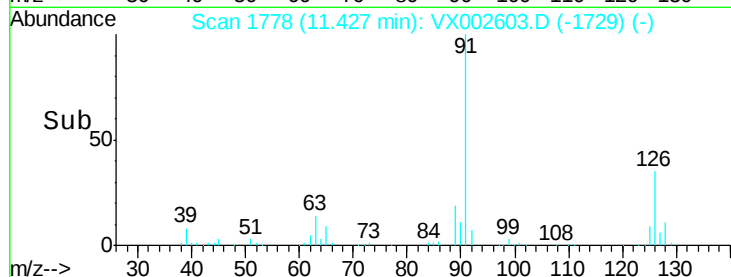
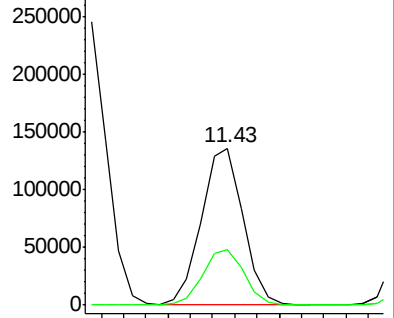
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Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1773) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 20.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002603.D

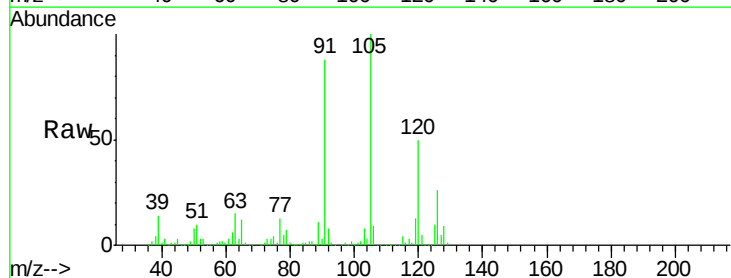
Acq: 15 Jun 2018 18:23

Tgt Ion: 105 Resp: 222209

Ion Ratio Lower Upper

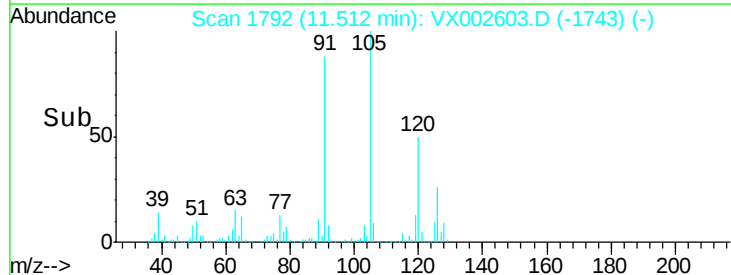
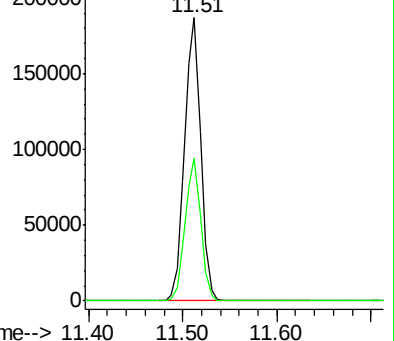
105 100

120 48.9 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) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.97 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion: 75 Resp: 17912

Ion Ratio Lower Upper

75 100

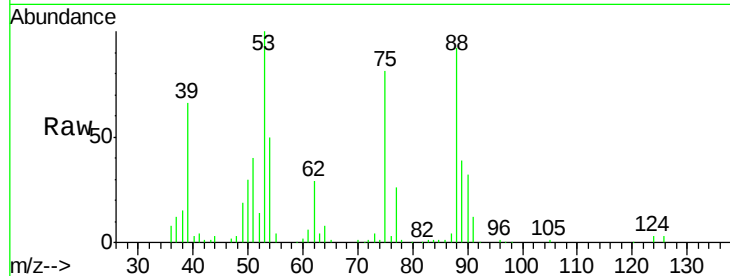
53 129.3 86.8 130.2

89 48.1 38.2 57.2

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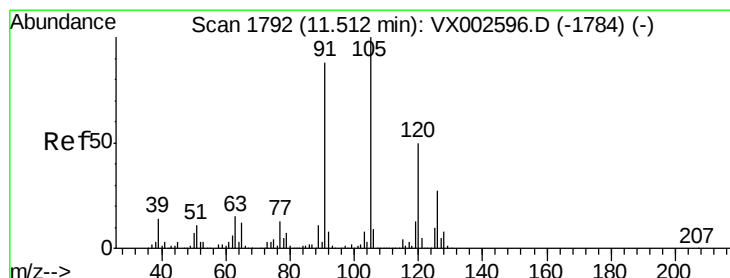
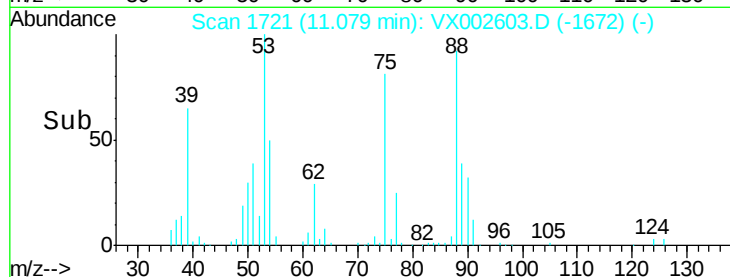
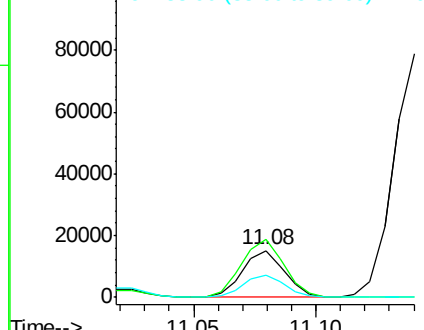
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002603.D

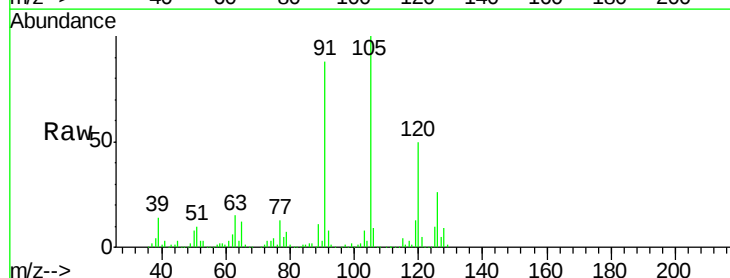
Acq: 15 Jun 2018 18:23

Tgt Ion: 91 Resp: 208859

Ion Ratio Lower Upper

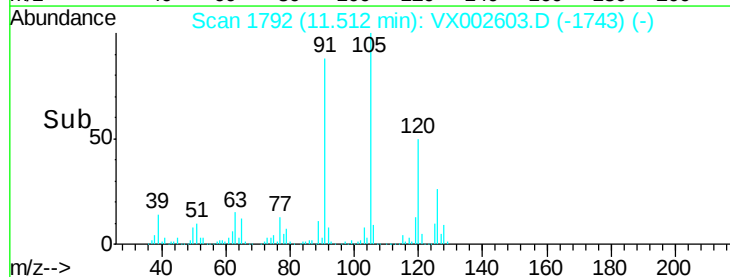
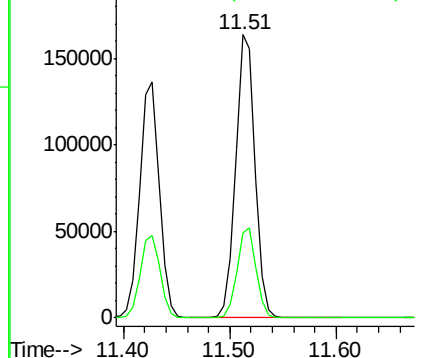
91 100

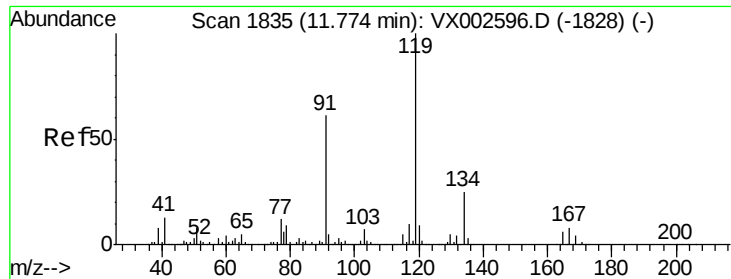
126 31.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.30 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

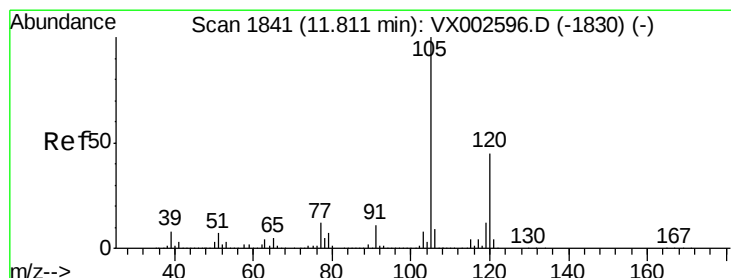
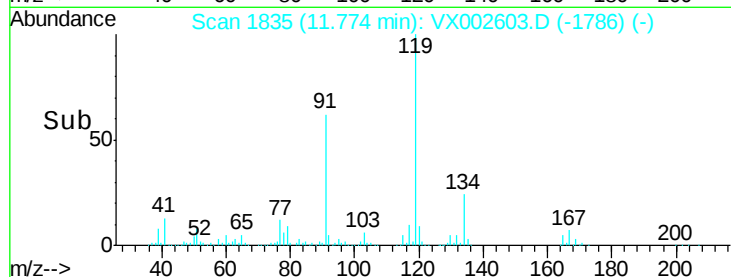
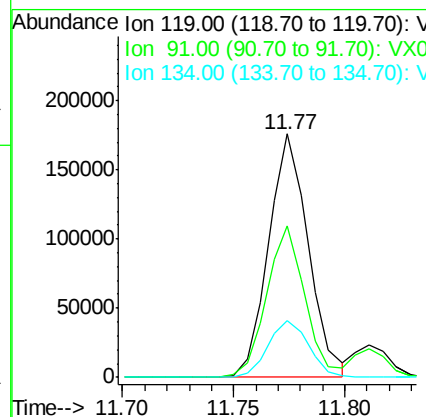
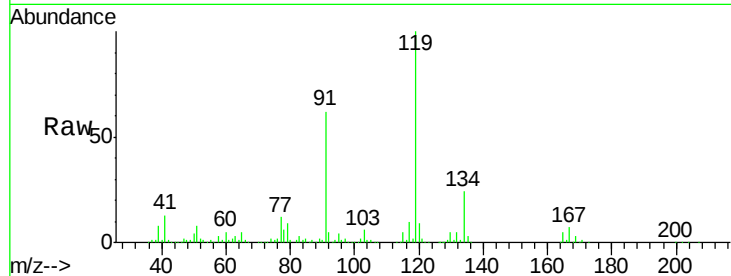
ClientSampleId :

VX0615WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.3	90.9
134	23.8	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.82 ug/l

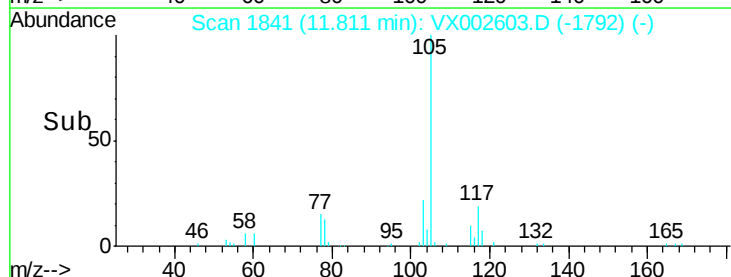
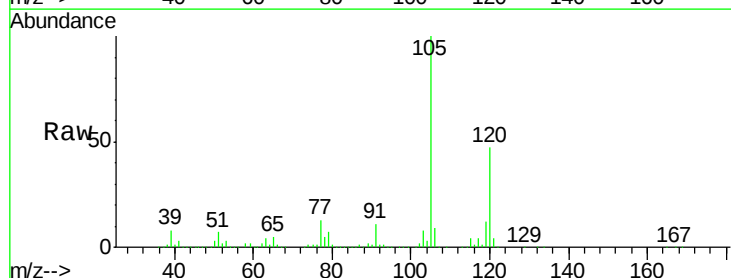
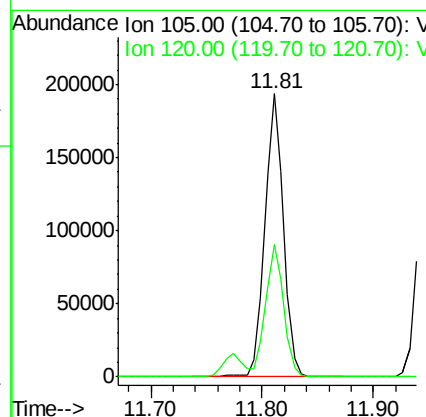
RT: 11.81 min Scan# 1841

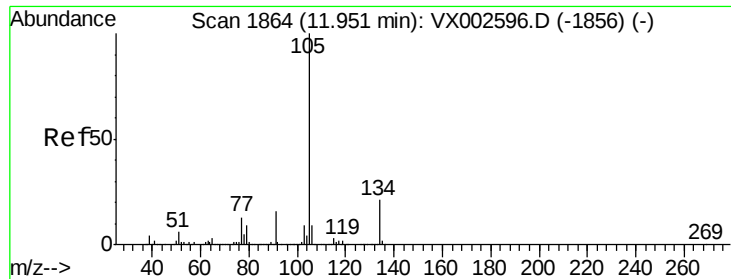
Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 21.06 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS01

Tot Ion:105 Resp: 268330

Ion Ratio Lower Upper

105 100

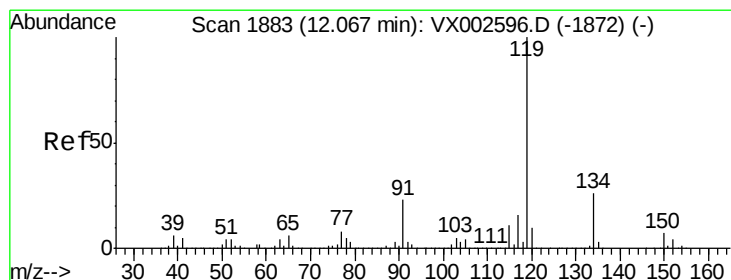
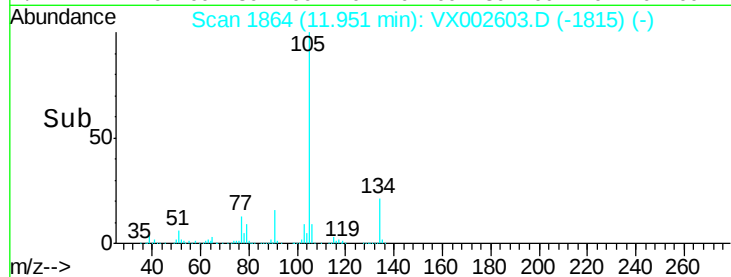
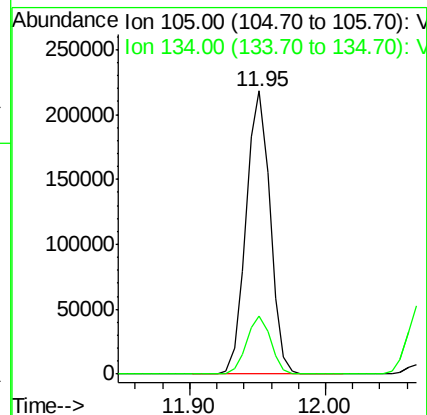
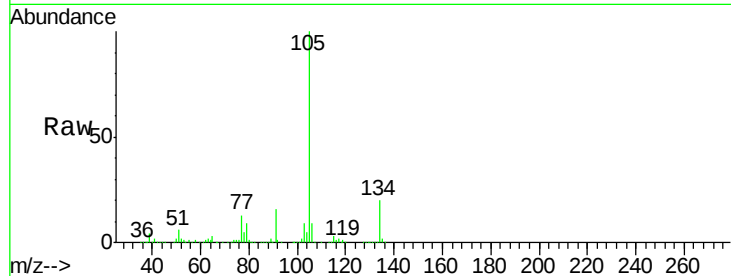
134 20.5 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.94 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

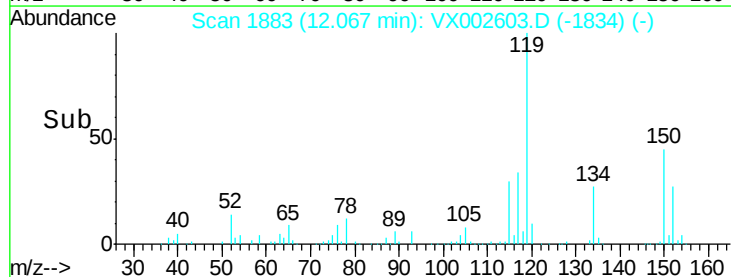
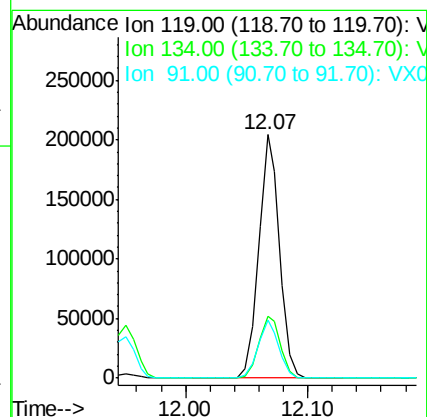
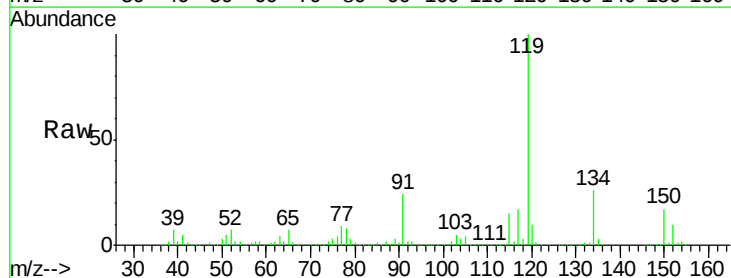
Tgt Ion:119 Resp: 241406

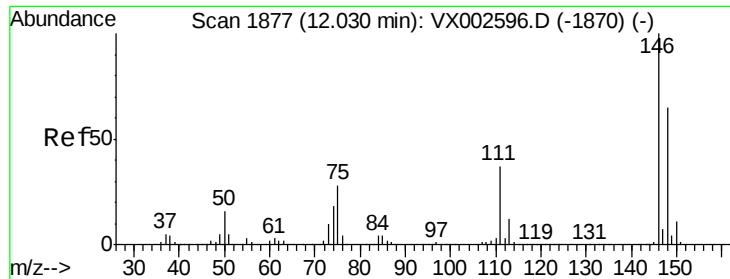
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 23.8 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 20.04 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

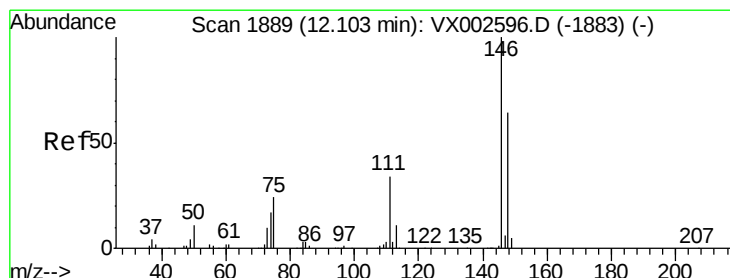
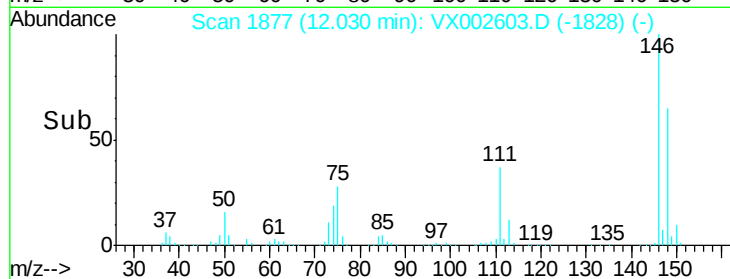
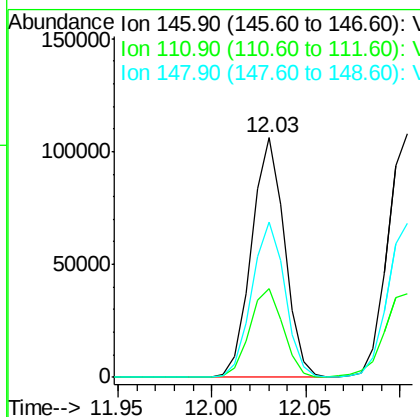
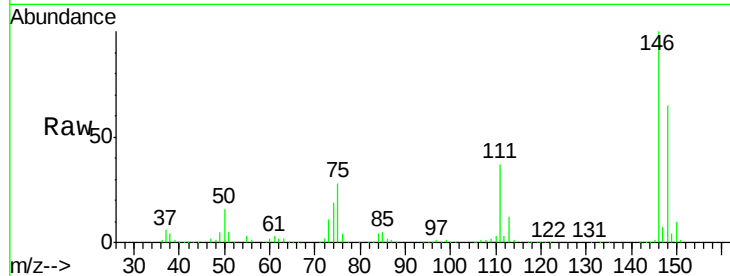
ClientSampleId :

VX0615WBS01

Tot Ion:	146	Resp:	128886
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.7
148	65.0	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.22 ug/l

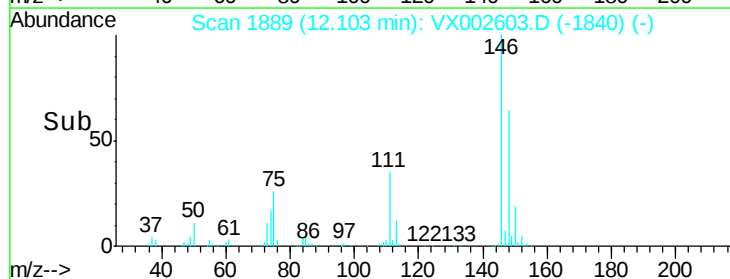
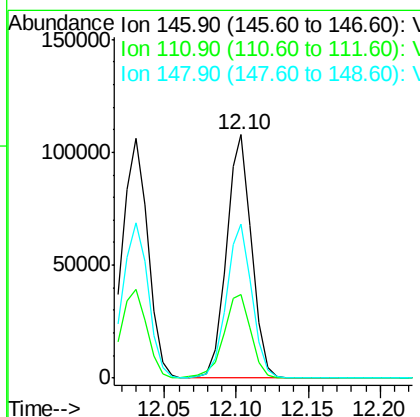
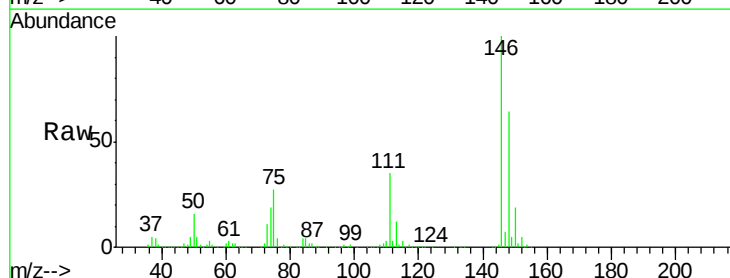
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion:	146	Resp:	132295
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.7	56.1
148	64.2	32.4	97.0





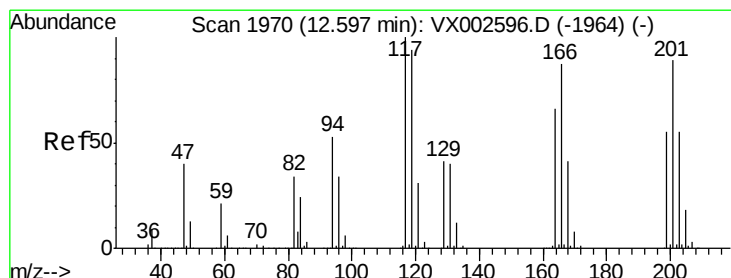
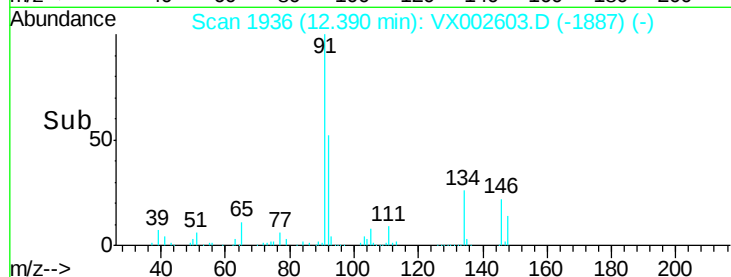
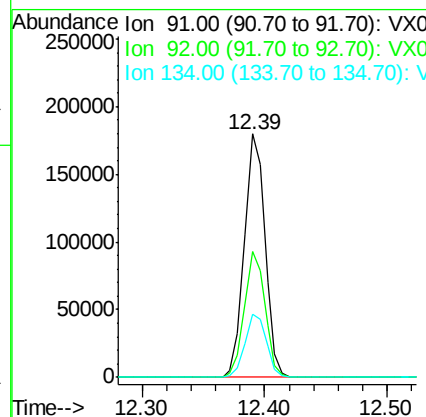
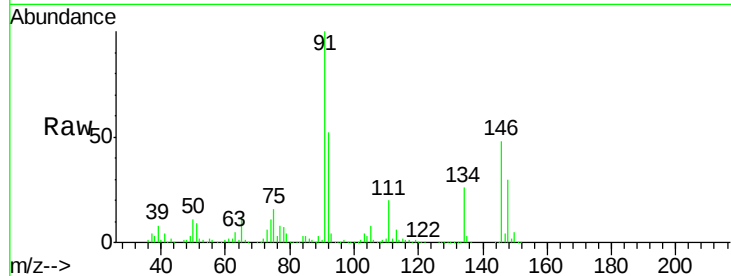
#89
n-Butylbenzene
Concen: 20.63 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	209790		
92	51.5	26.0	78.0	
134	26.7	13.5	40.5	

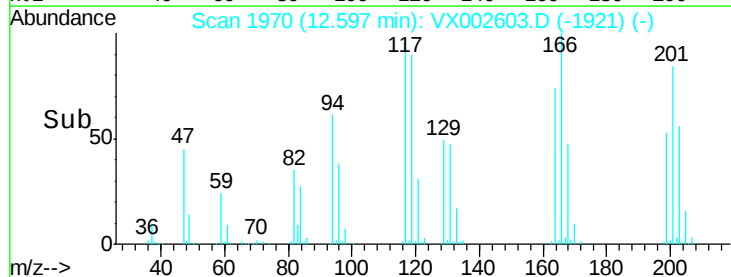
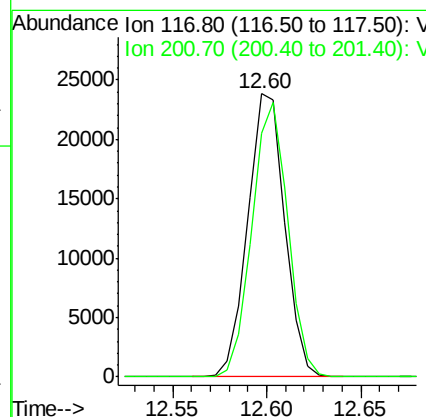
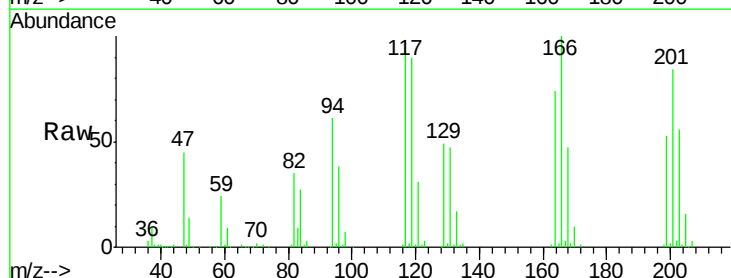
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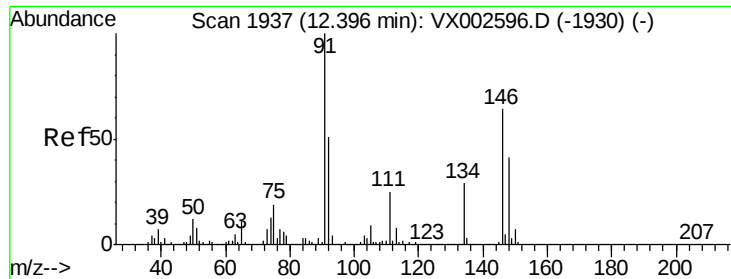
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#90
Hexachloroethane
Concen: 19.70 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002603.D
Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32387		
201	93.7	49.0	147.0	





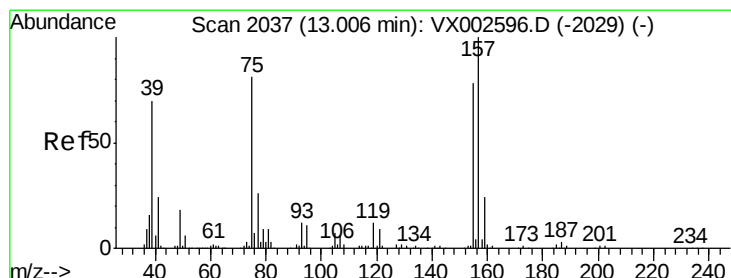
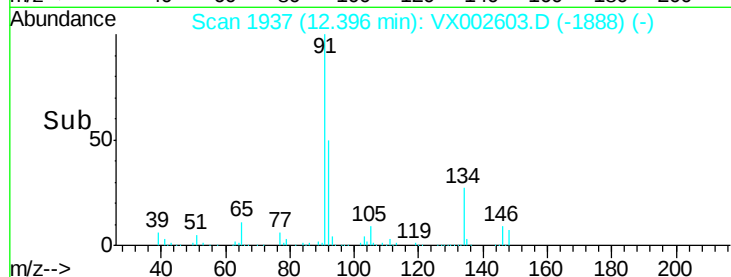
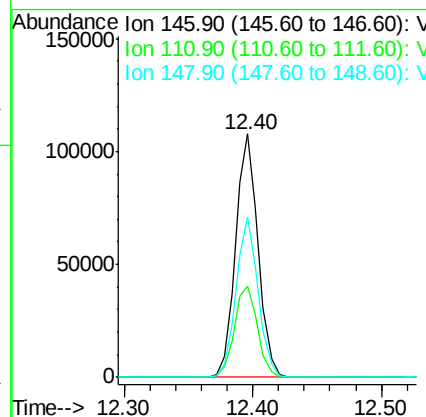
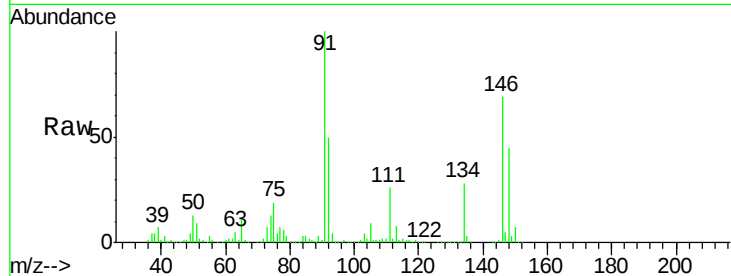
#91
 1,2-Dichlorobenzene
 Concen: 20.24 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.9	31.7	95.1

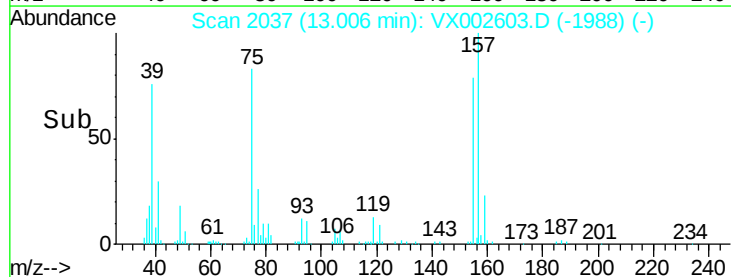
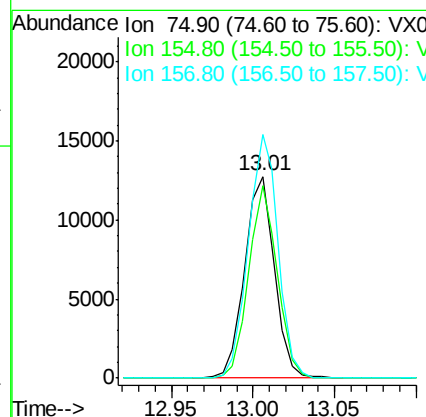
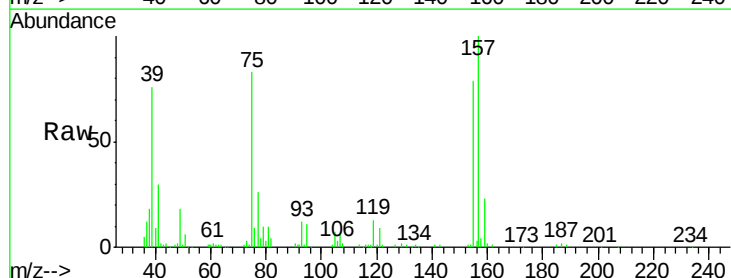
Manual Integrations
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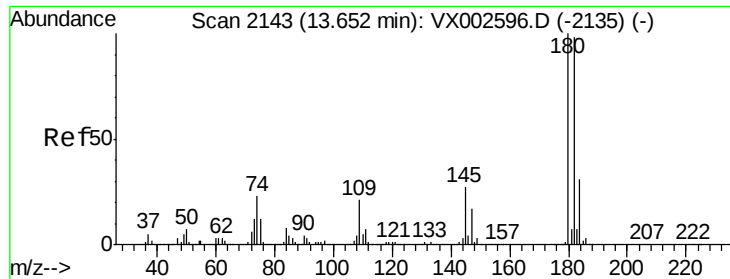
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.86 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	45.8	137.4
157	120.2	60.1	180.3





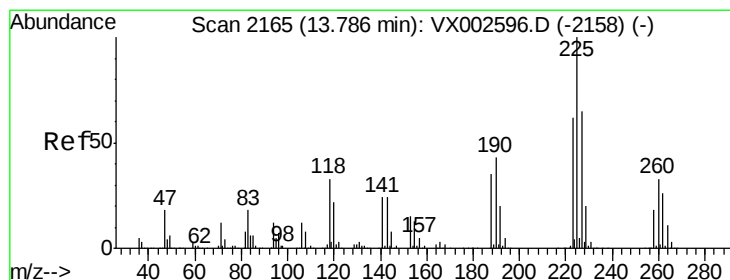
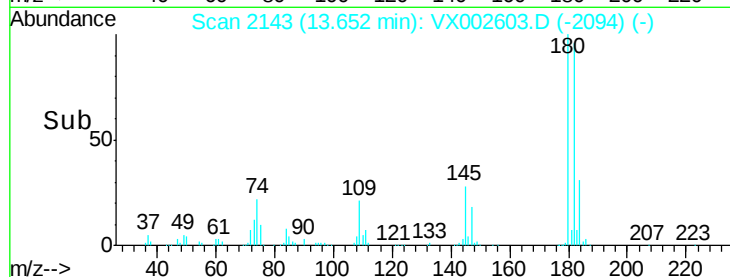
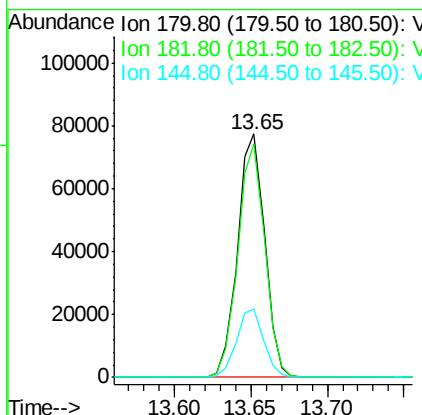
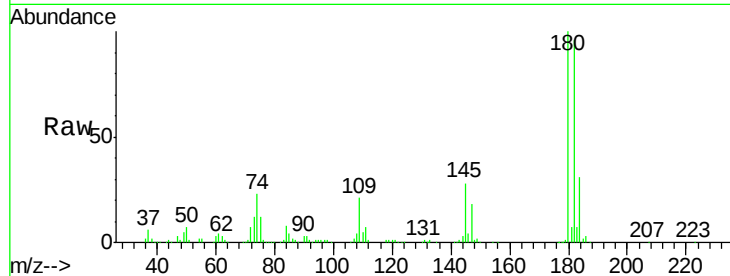
#93
 1,2,4-Trichlorobenzene
 Concen: 20.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	28.1	14.1	42.4

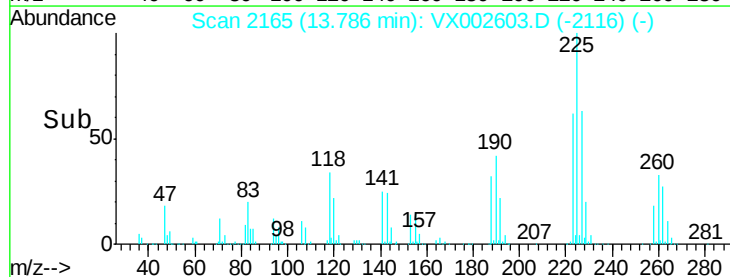
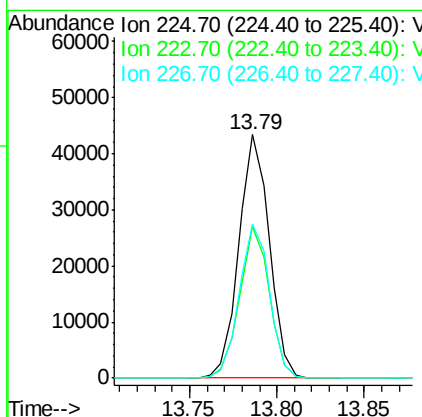
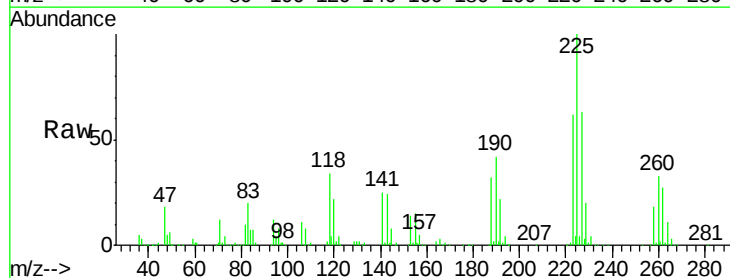
Manual Integrations
 APPROVED

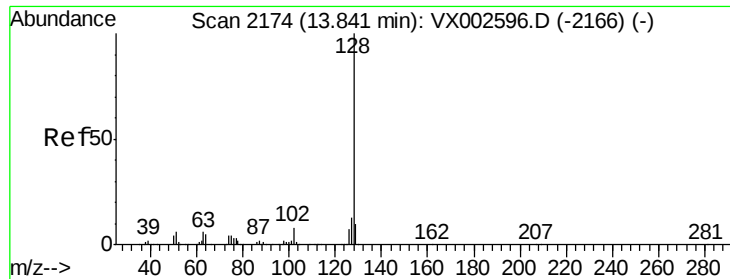
MMDadoda
 6/18/2018 5:12:02 PM



#94
 Hexachlorobutadiene
 Concen: 21.14 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002603.D
 Acq: 15 Jun 2018 18:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.6	95.0
227	62.9	32.4	97.2





#95

Naphthalene

Concen: 21.07 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Instrument :

MSVOA_X

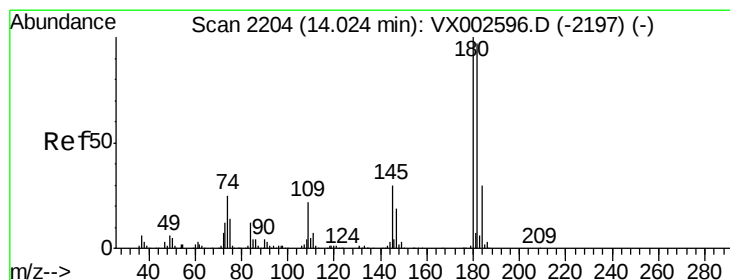
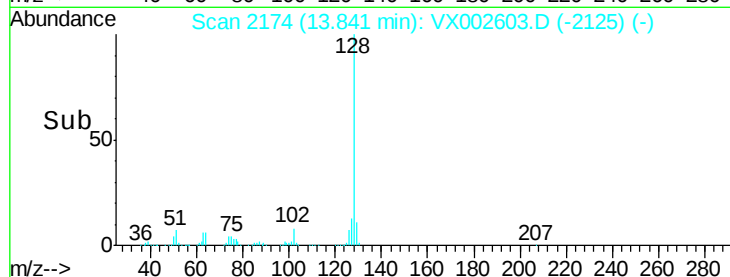
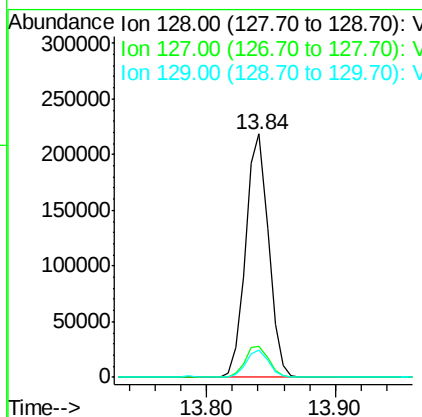
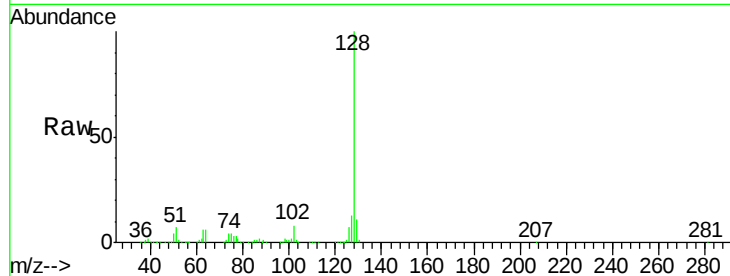
ClientSampleId :

VX0615WBS01

Tot Ion:	128	Resp:	266259
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.57 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002603.D

Acq: 15 Jun 2018 18:23

Tgt Ion:	180	Resp:	97043
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.0
145	29.7	14.8	44.3

