

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002648.D
 Acq On : 16 Jun 2018 15:08
 Operator : JC/MD
 Sample : J3477-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:10 PM

Quant Time: Jun 18 08:07:57 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	149419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	265630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	147291	64.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.74%	
35) Dibromofluoromethane	5.51	113	113519	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
50) Toluene-d8	8.72	98	396823	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	154194	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41898	26.41	ug/l	98
3) Chloromethane	1.32	50	106278	56.32	ug/l	99
4) Vinyl Chloride	1.41	62	124305	63.48	ug/l	# 88
5) Bromomethane	1.64	94	60832	51.49	ug/l	98
6) Chloroethane	1.72	64	121442	94.10	ug/l	93
7) Trichlorofluoromethane	1.93	101	119359	37.52	ug/l	99
8) Diethyl Ether	2.19	74	78328	64.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49630	27.91	ug/l	99
10) Methyl Iodide	2.51	142	134333	55.36	ug/l	99
11) Tert butyl alcohol	3.08	59	130935	278.94	ug/l	98
12) 1,1-Dichloroethene	2.37	96	79347	47.53	ug/l	98
13) Acrolein	2.30	56	61463	278.50	ug/l	97
14) Allyl chloride	2.73	41	183904	55.48	ug/l	98
15) Acrylonitrile	3.15	53	332417	324.53	ug/l	100
16) Acetone	2.45	43	317152	316.59	ug/l	98
17) Carbon Disulfide	2.57	76	211375	53.38	ug/l	99
18) Methyl Acetate	2.78	43	149314	55.95	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	413426	66.01	ug/l	99
20) Methylene Chloride	2.86	84	120615	58.72	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	103876	57.35	ug/l	99
22) Diisopropyl ether	3.88	45	379807	63.33	ug/l	99
23) Vinyl Acetate	3.83	43	1341271	267.20	ug/l	99
24) 1,1-Dichloroethane	3.70	63	204583	62.85	ug/l	100
25) 2-Butanone	4.71	43	422698	321.30	ug/l	99
26) 2,2-Dichloropropane	4.59	77	69819	29.85	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	152433	82.71	ug/l	88
28) Bromochloromethane	5.03	49	106143	69.63	ug/l	97
29) Tetrahydrofuran	5.17	42	282773	327.96	ug/l	98
30) Chloroform	5.22	83	205476	65.46	ug/l	98
31) Cyclohexane	5.58	56	88225	32.92	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	148454	56.55	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114517	40.59	ug/l	98
37) Ethyl Acetate	4.87	43	143896	45.06	ug/l	99
38) Carbon Tetrachloride	5.79	117	116415	41.44	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73807	22.38	ug/l	95
40) Benzene	6.15	78	431520	51.01	ug/l	99
41) Methacrylonitrile	5.07	41	100080	55.51	ug/l	98
42) 1,2-Dichloroethane	6.20	62	178812	54.60	ug/l	99
43) Isopropyl Acetate	6.47	43	258716	48.90	ug/l	99
44) Trichloroethene	7.22	130	110924	45.43	ug/l	100
45) 1,2-Dichloropropane	7.52	63	118584	53.26	ug/l	100
46) Dibromomethane	7.67	93	84312	56.61	ug/l	98
47) Bromodichloromethane	7.90	83	151171	57.55	ug/l	97
48) Methyl methacrylate	7.78	41	149424	55.27	ug/l	99
49) 1,4-Dioxane	7.76	88	47702	931.72	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	928171	273.24	ug/l	99
52) Toluene	8.79	92	272683	50.53	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	158867	45.90	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	149191	45.30	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	124520	57.11	ug/l	97
56) Ethyl methacrylate	9.18	69	188779	56.26	ug/l	97
57) 1,3-Dichloropropane	9.38	76	201938	54.76	ug/l	99
59) 2-Hexanone	9.50	43	701057	273.89	ug/l	98
60) Dibromochloromethane	9.59	129	126286	51.38	ug/l	100
61) 1,2-Dibromoethane	9.68	107	130898	57.97	ug/l	100
64) Tetrachloroethene	9.34	164	94891	31.95	ug/l	98
65) Chlorobenzene	10.14	112	354683	53.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	124888	55.75	ug/l	99
67) Ethyl Benzene	10.26	91	521575	47.06	ug/l	99
68) m/p-Xylenes	10.36	106	404182	94.54	ug/l	99
69) o-Xylene	10.70	106	208711	49.69	ug/l	97
70) Stvrene	10.71	104	351344	50.86	ug/l	99
71) Bromoform	10.86	173	97710	48.11	ug/l	100
73) Isopropylbenzene	11.02	105	505057	45.69	ug/l	100
74) N-amyl acetate	6.47	43	258716	47.11	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	191657	58.72	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	174518m	55.96	ug/l	
77) Bromobenzene	11.26	156	161043	52.30	ug/l	97
78) n-propylbenzene	11.37	91	558145	44.03	ug/l	99
79) 2-Chlorotoluene	11.43	91	370160	48.91	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	442900	47.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34460	36.58	ug/l	95
82) 4-Chlorotoluene	11.51	91	437099	48.94	ug/l	99
83) tert-Butylbenzene	11.77	119	432735	48.09	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	470808	49.39	ug/l	98
85) sec-Butylbenzene	11.95	105	462099	41.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	430657	42.54	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	286582	50.75	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	312459	54.38	ug/l	99
89) n-Butylbenzene	12.39	91	338715	37.92	ug/l	99
90) Hexachloroethane	12.60	117	70155	44.74	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	424378	74.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40843	59.74	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	201990	48.97	ug/l	99

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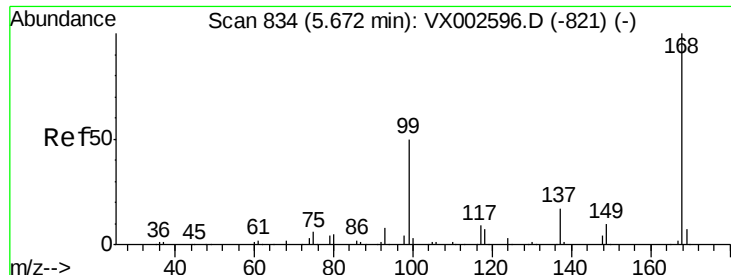
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	71690	32.99	ug/l	99
95) Naphthalene	13.84	128	622620	56.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	213740	51.59	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion:168 Resp: 149419

Ion Ratio Lower Upper

168 100

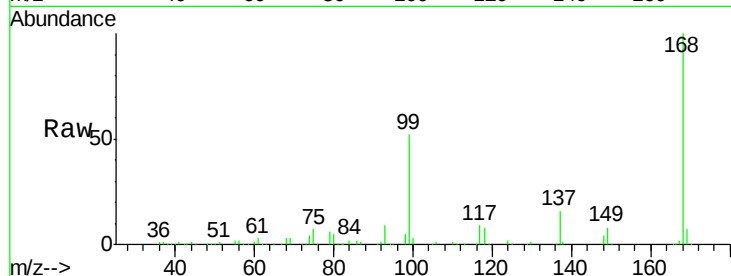
99 52.2 39.3 58.9

Manual Integrations

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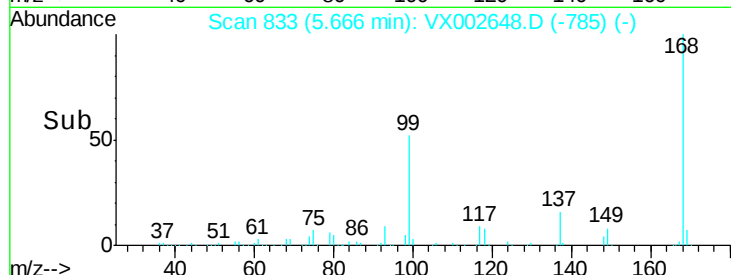


Abundance Ion 167.90 (167.60 to 168.60): V

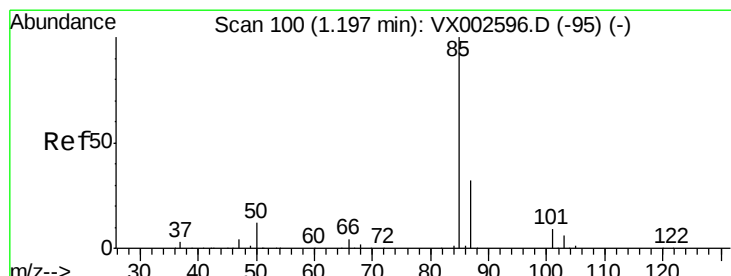
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 26.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002648.D

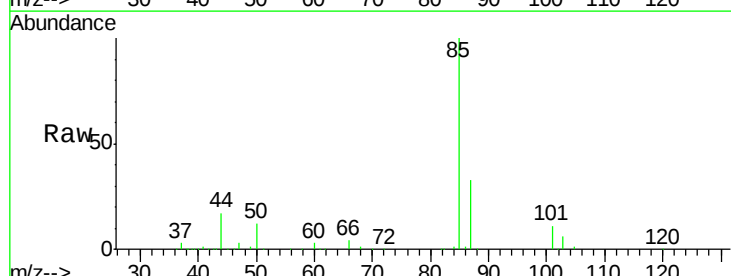
Acq: 16 Jun 2018 15:08

Tgt Ion: 85 Resp: 41898

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9

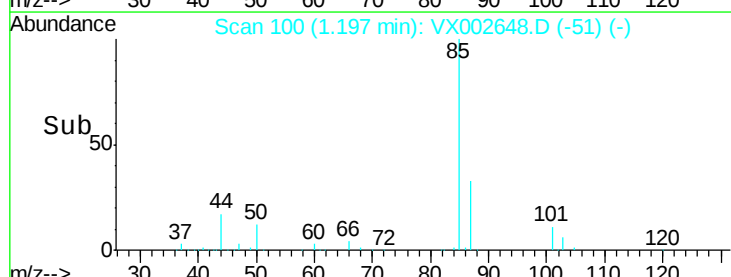


Abundance Ion 84.90 (84.60 to 85.60): VX0

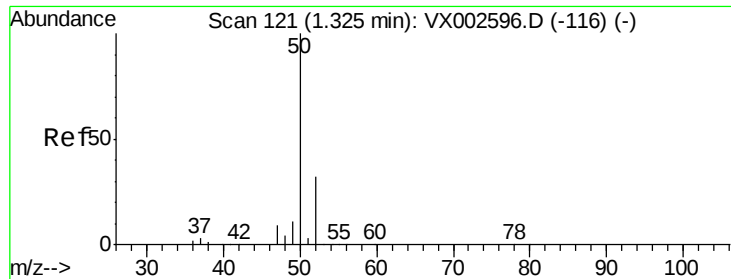
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 56.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion: 50 Resp: 106278

Ion Ratio Lower Upper

50 100

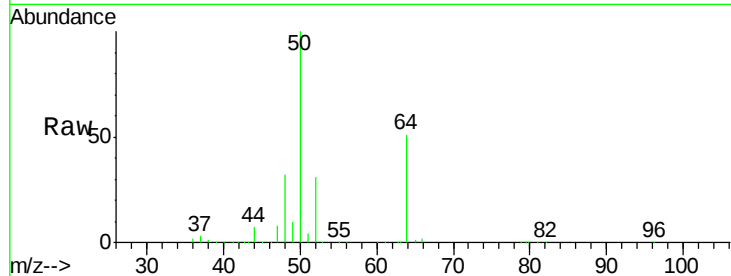
52 31.4 25.7 38.5

Manual Integrations

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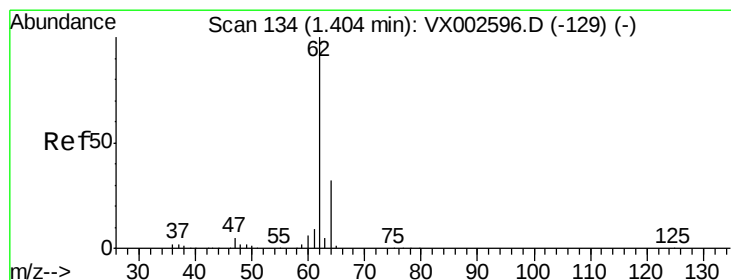
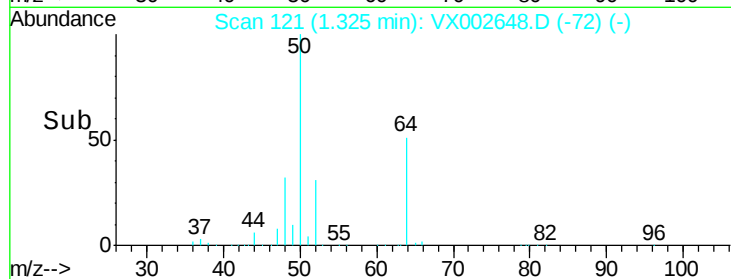
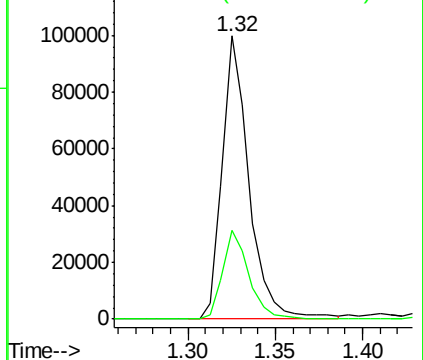
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 63.48 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002648.D

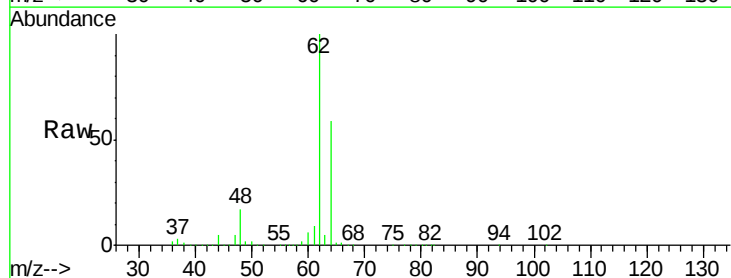
Acq: 16 Jun 2018 15:08

Tgt Ion: 62 Resp: 124305

Ion Ratio Lower Upper

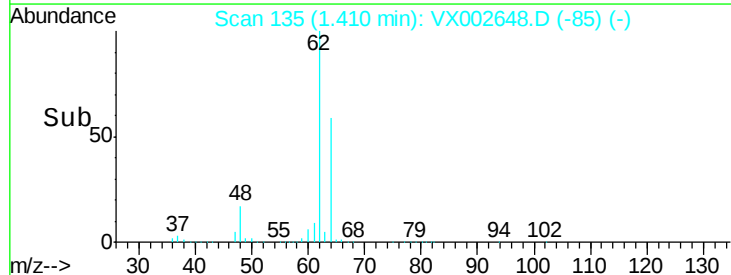
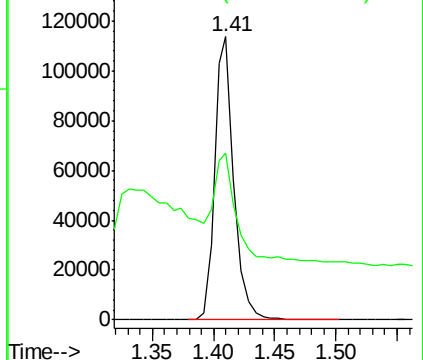
62 100

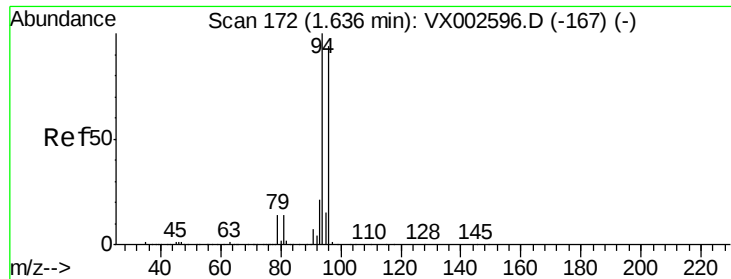
64 38.3 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion: 94 Resp: 60832

Ion Ratio Lower Upper

94 100

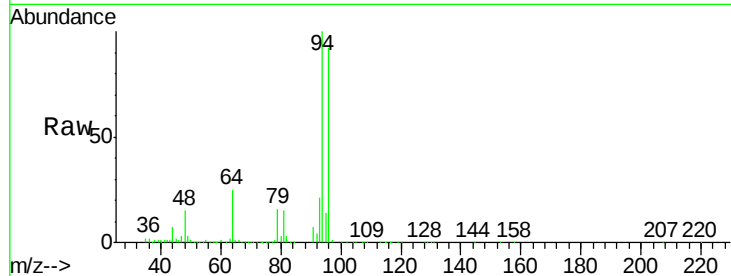
96 91.9 74.9 112.3

Manual Integrations

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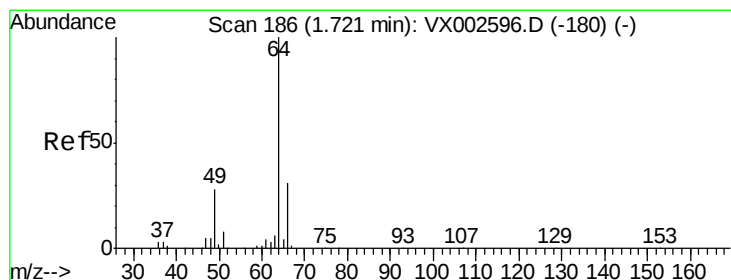
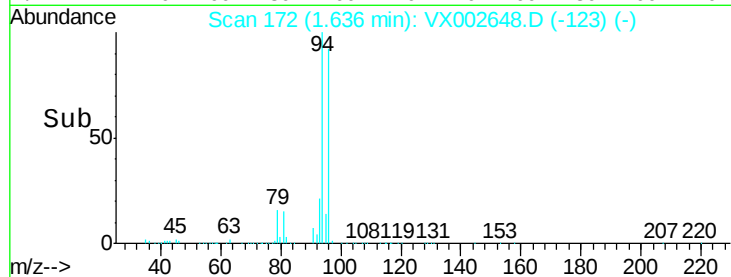
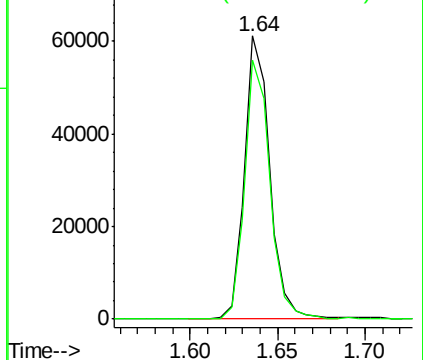
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 94.10 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002648.D

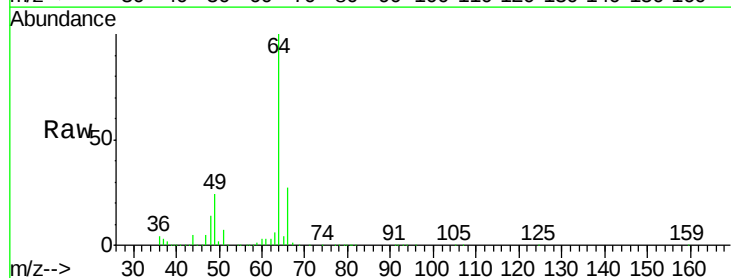
Acq: 16 Jun 2018 15:08

Tgt Ion: 64 Resp: 121442

Ion Ratio Lower Upper

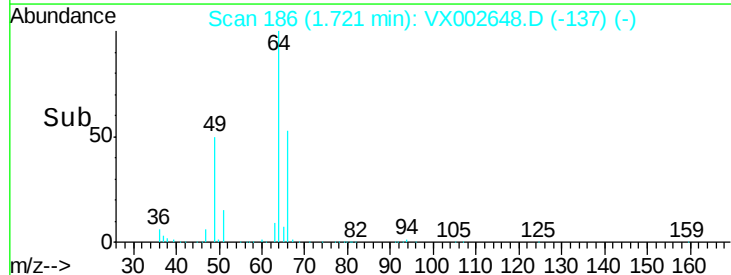
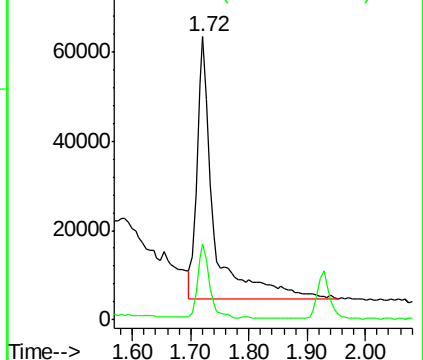
64 100

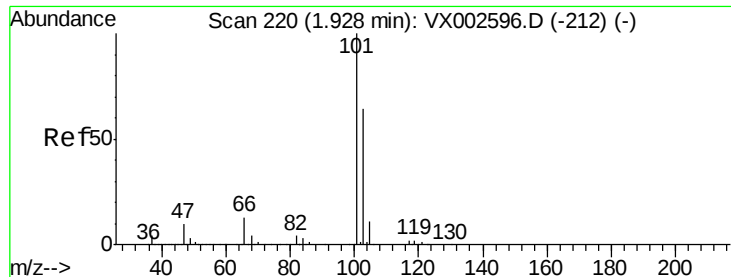
66 27.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

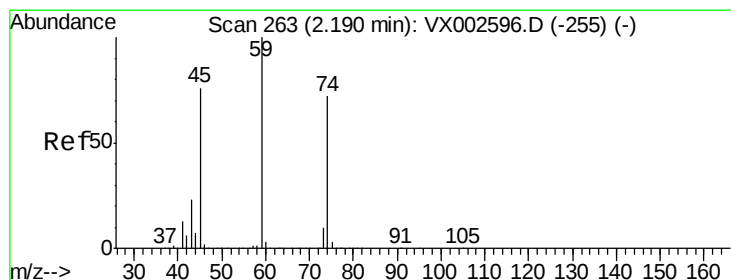
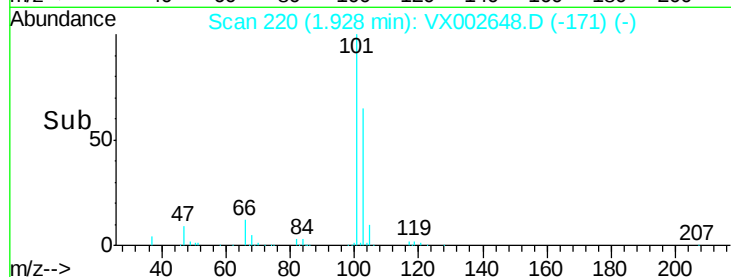
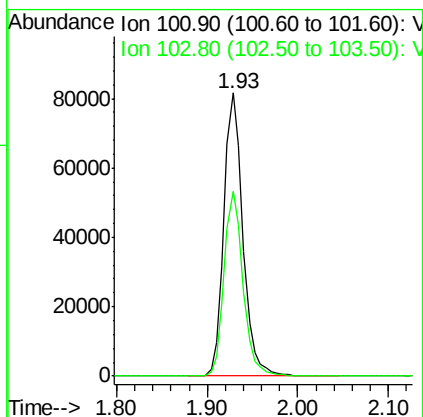
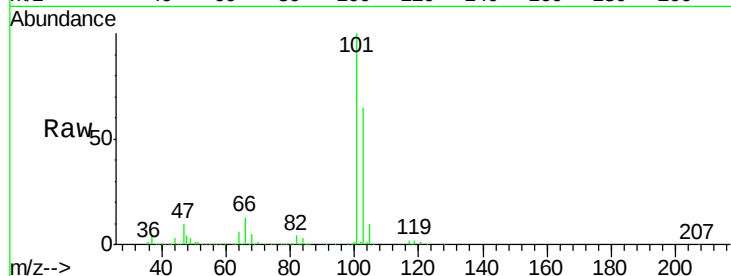
Trichlorofluoromethane
 Concen: 37.52 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	119359		
103	65.1	52.8	79.2	

Manual Integrations
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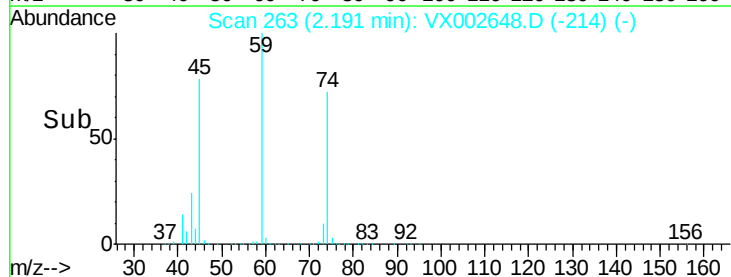
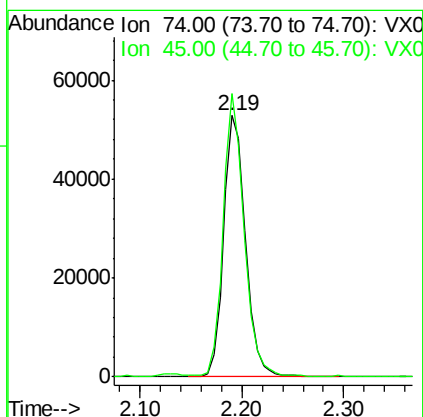
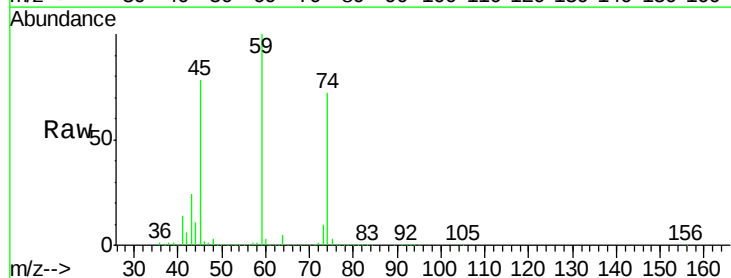
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#8

Diethyl Ether
 Concen: 64.74 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78328		
45	103.2	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.91 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

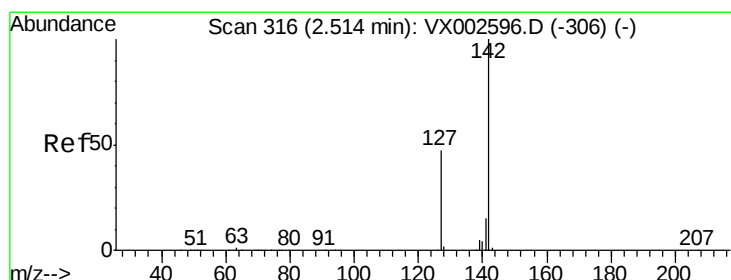
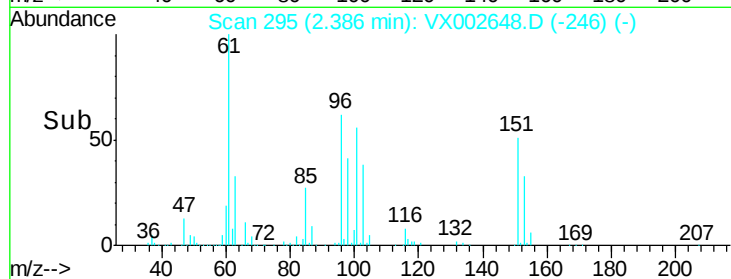
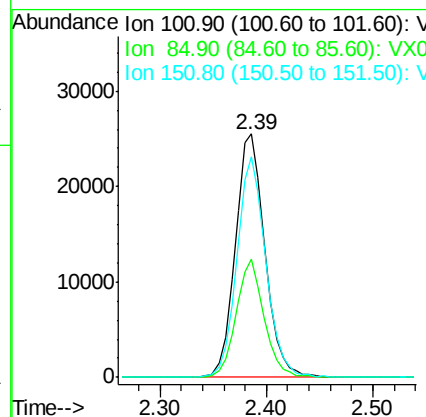
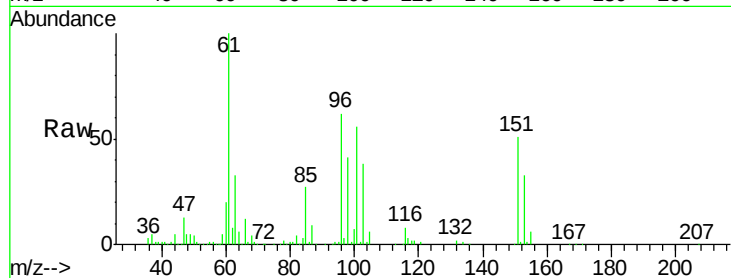
ClientSampled :

S36-0135MS

Tot Ion:	101	Resp:	49630
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	89.0	70.9	106.3

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#10

Methyl Iodide

Concen: 55.36 ug/l

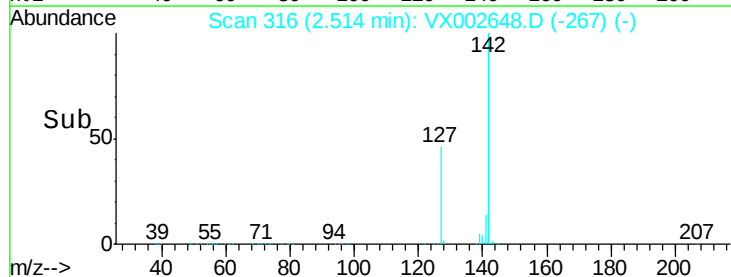
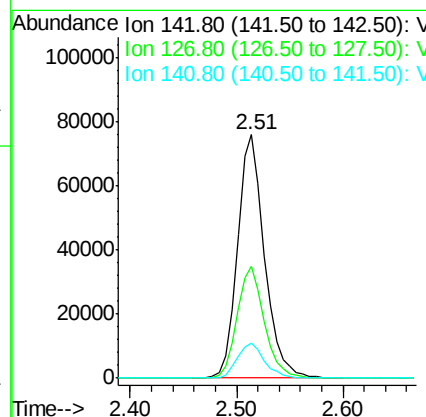
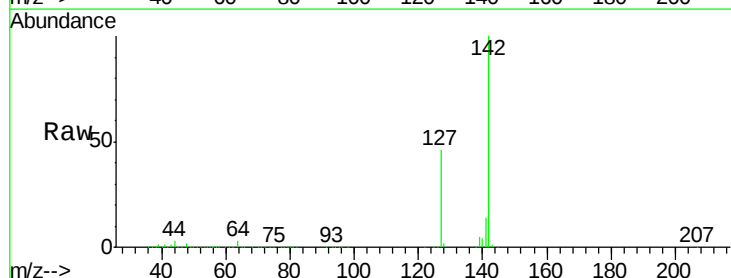
RT: 2.51 min Scan# 316

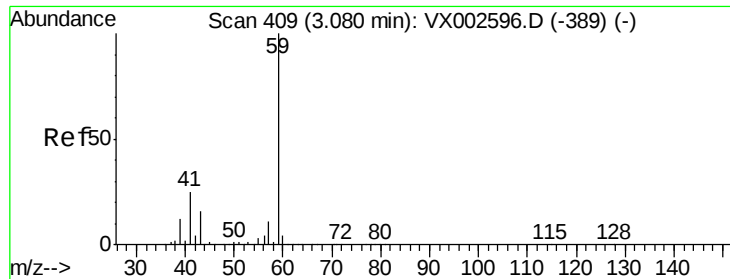
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	142	Resp:	134333
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.6	55.0
141	14.6	11.3	16.9





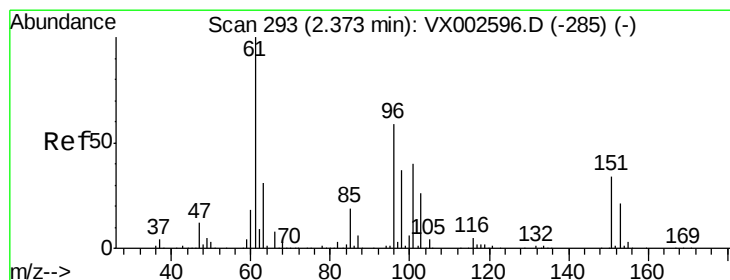
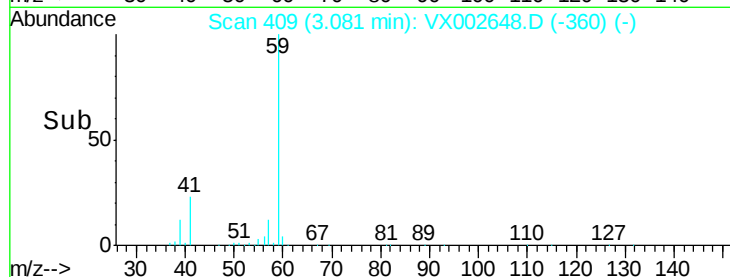
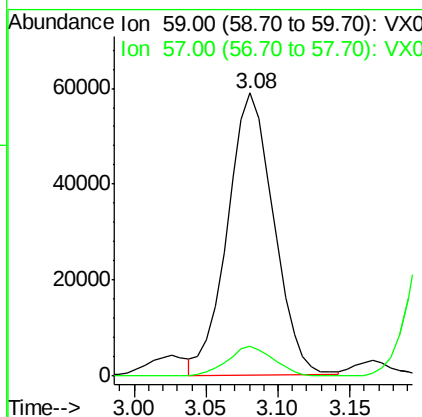
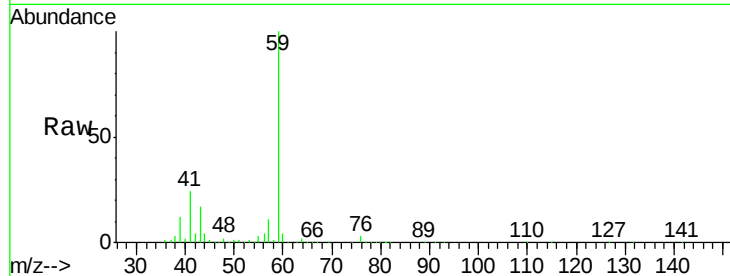
#11
Tert butyl alcohol
Concen: 278.94 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampled :
S36-0135MS

Tot Ion	59	Resp	130935
Ion Ratio	100	Lower	Upper
57	11.1	8.2	12.2

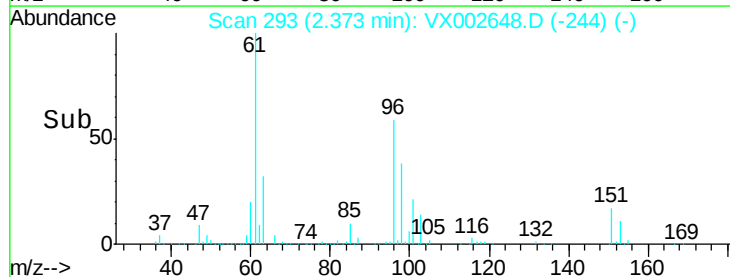
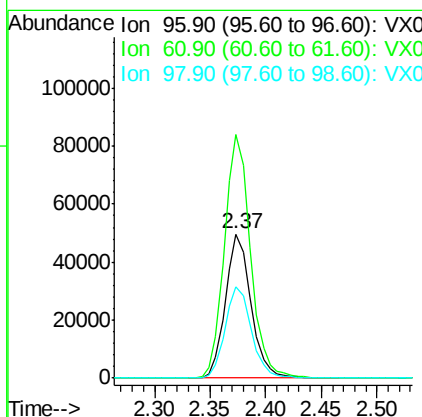
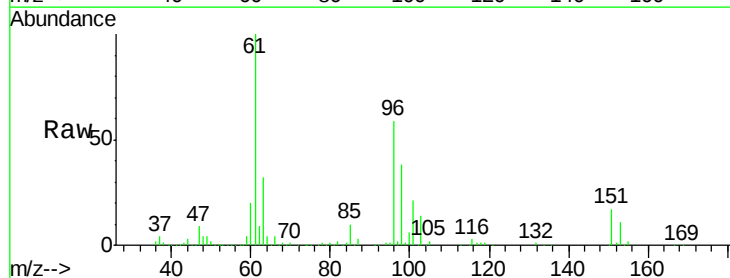
Manual Integrations
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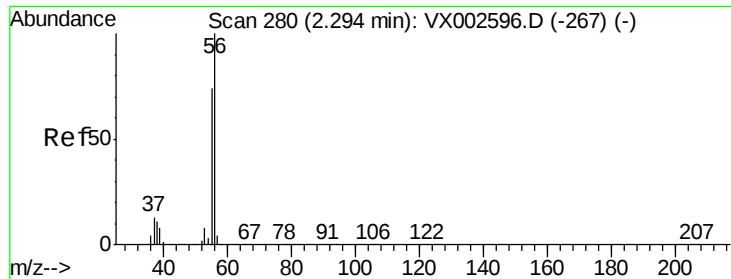
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.53 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	96	Resp	79347
Ion Ratio	100	Lower	Upper
61	168.8	137.9	206.9
98	63.4	51.6	77.4





#13

Acrolein

Concen: 278.50 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion: 56 Resp: 61463

Ion Ratio Lower Upper

56 100

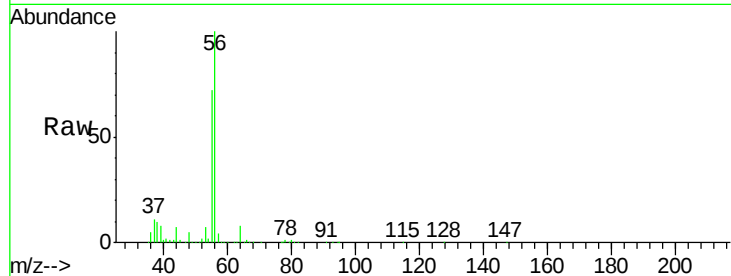
55 73.5 57.0 85.4

Manual Integrations

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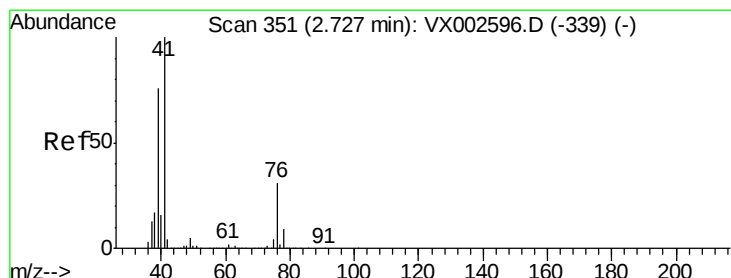
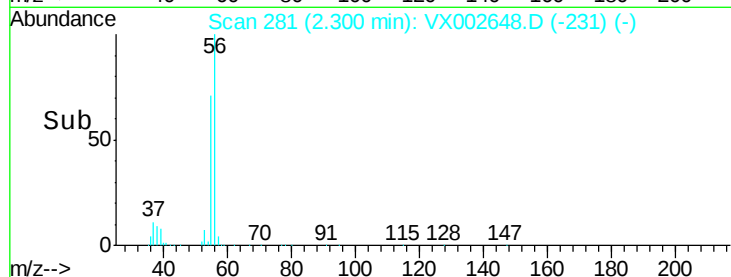
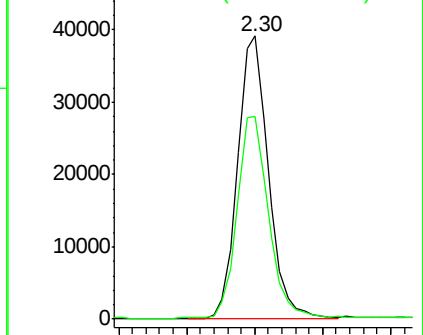
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 55.48 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

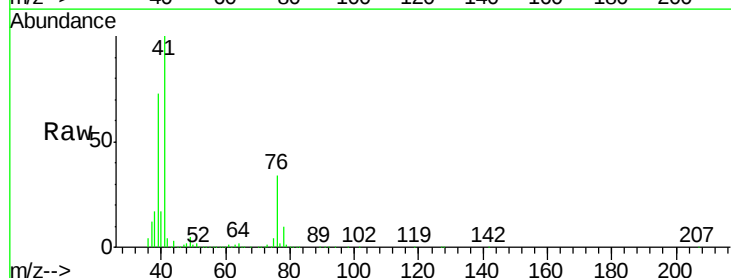
Tgt Ion: 41 Resp: 183904

Ion Ratio Lower Upper

41 100

39 72.3 56.8 85.2

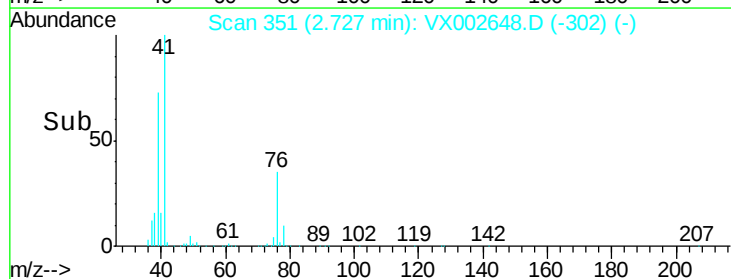
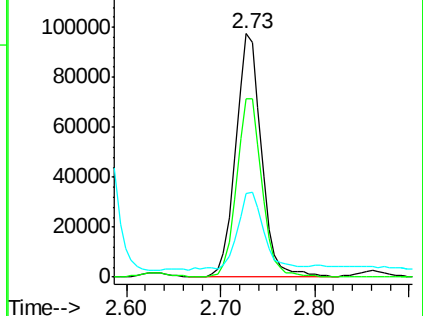
76 31.3 23.8 35.8

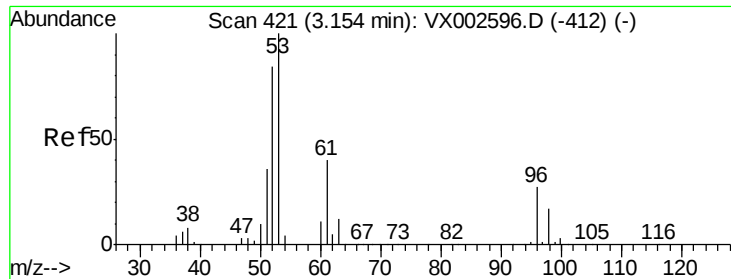


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 324.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

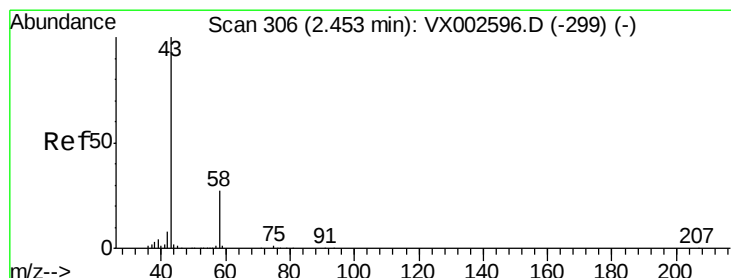
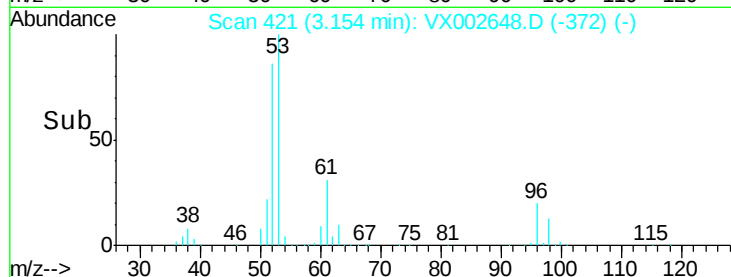
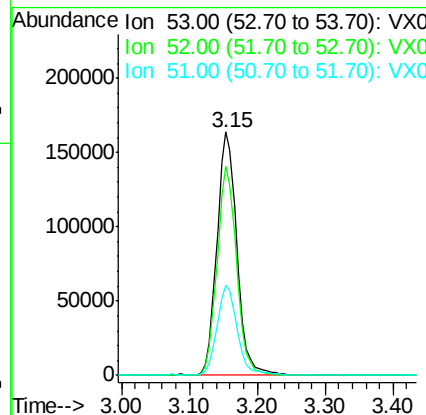
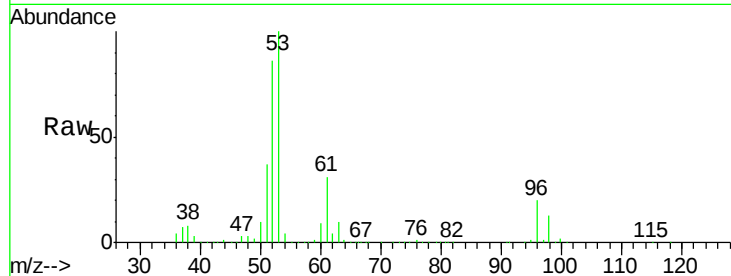
ClientSampleId :

S36-0135MS

Tot Ion:	53	Resp:	332417
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.7	100.1
51	37.5	29.9	44.9

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#16

Acetone

Concen: 316.59 ug/l

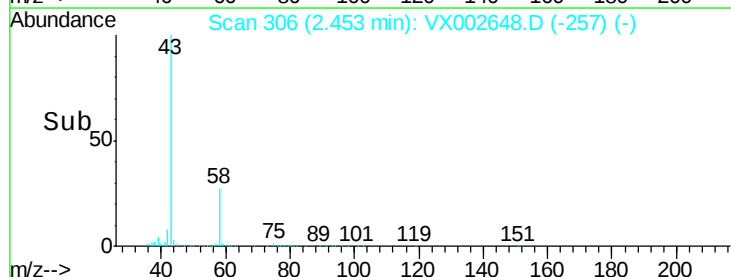
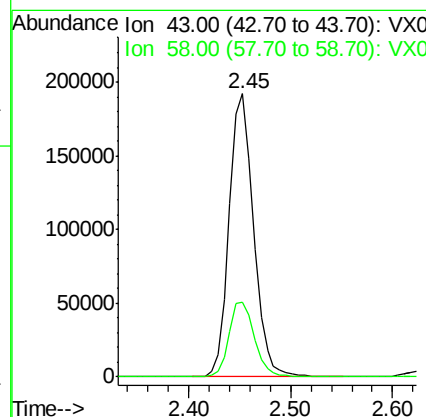
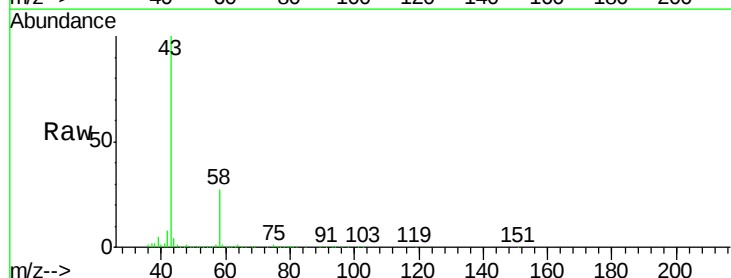
RT: 2.45 min Scan# 306

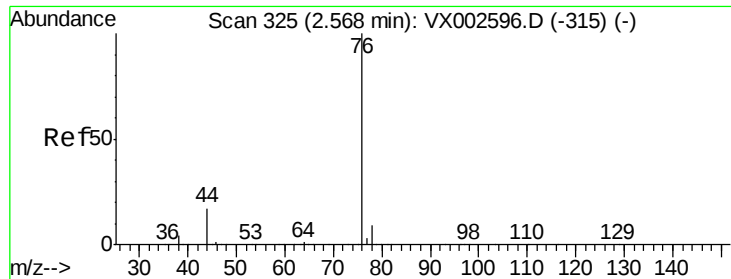
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	43	Resp:	317152
Ion Ratio	Lower	Upper	
43	100		
58	26.6	22.1	33.1





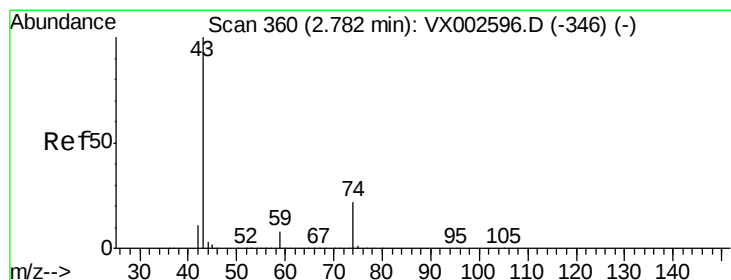
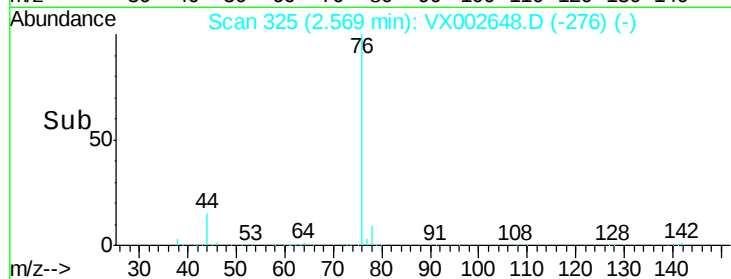
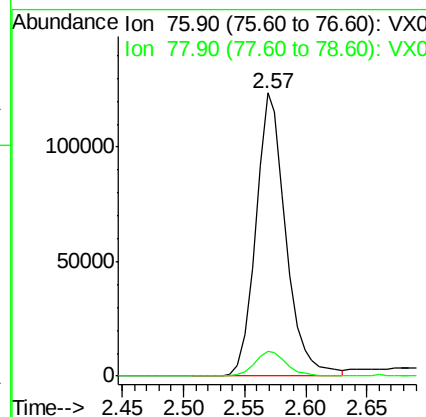
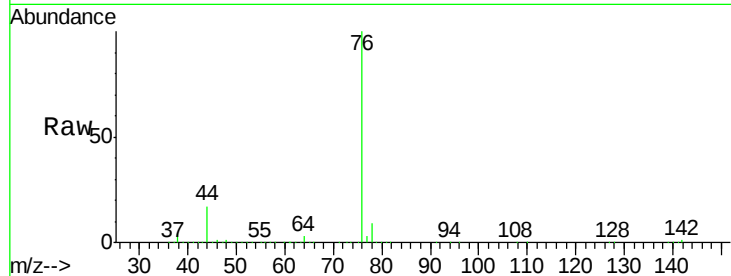
#17
Carbon Disulfide
Concen: 53.38 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampled :
S36-0135MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

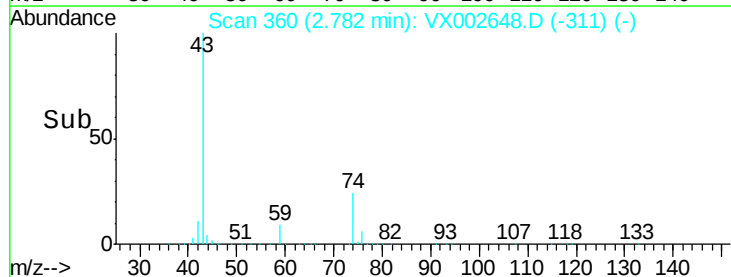
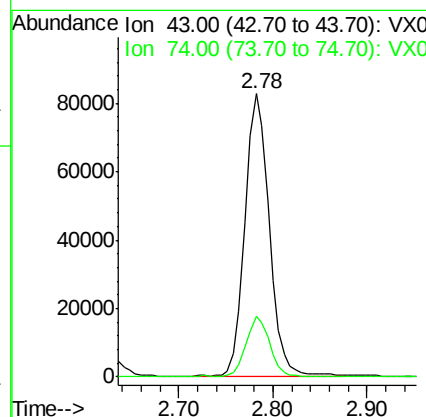
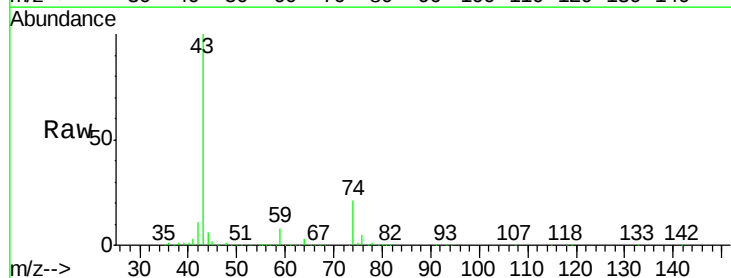
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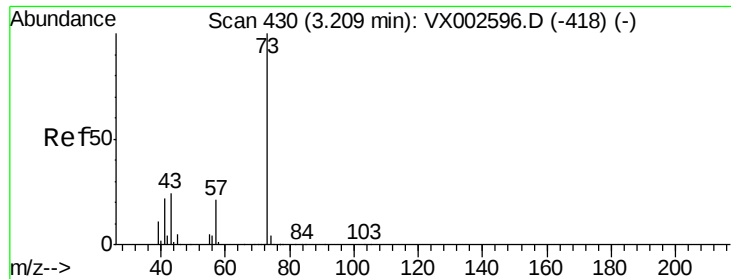
MMDadoda
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#18
Methyl Acetate
Concen: 55.95 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.7	25.1





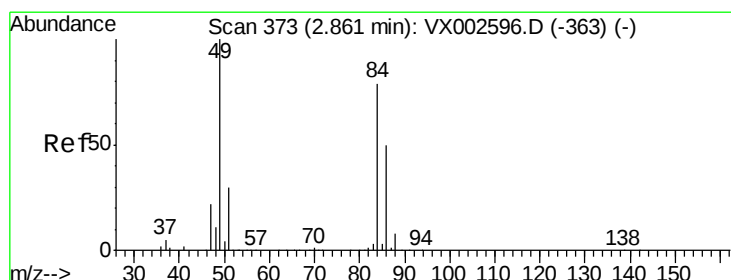
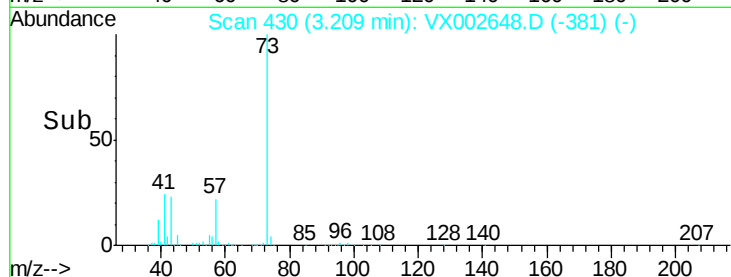
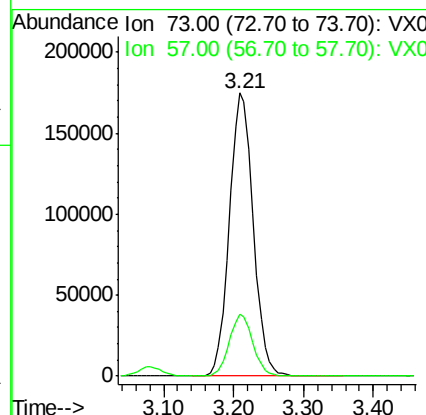
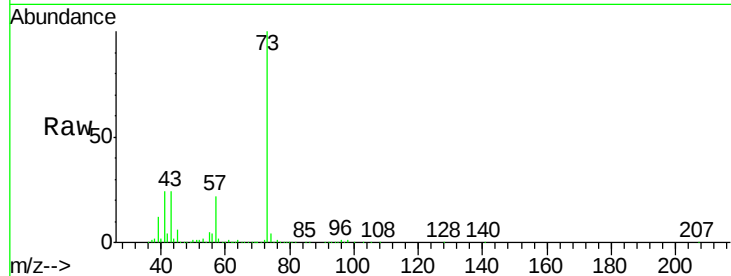
#19
Methyl tert-butyl Ether
Concen: 66.01 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

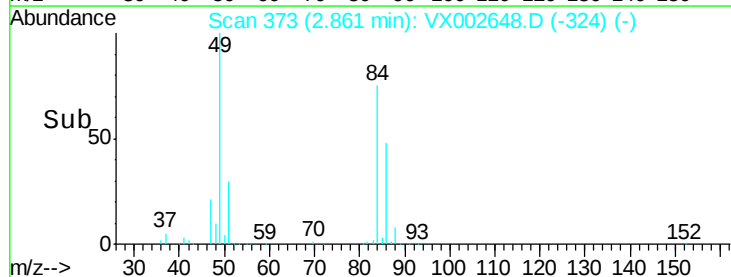
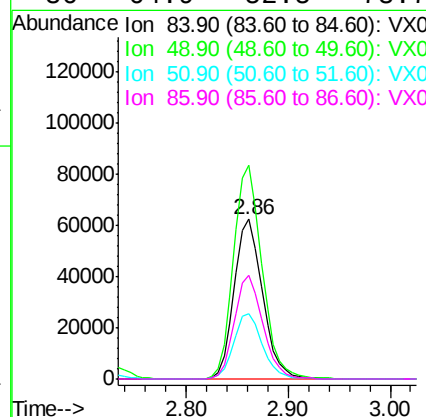
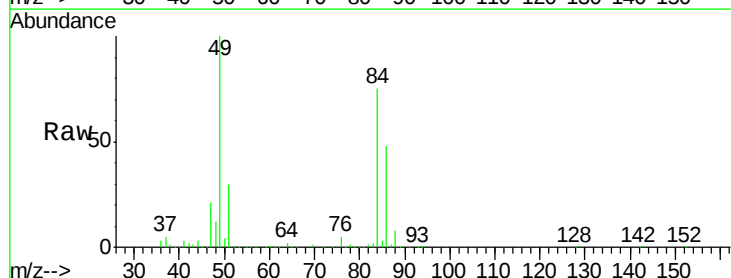
Manual Integrations
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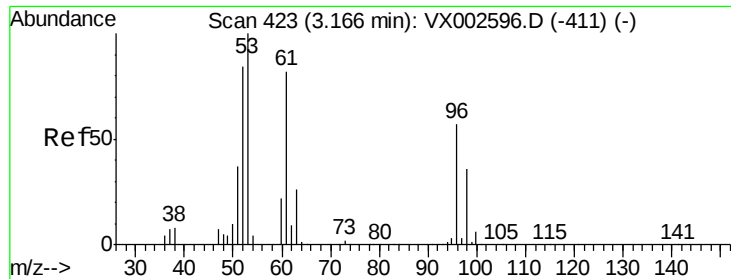
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#20
Methylene Chloride
Concen: 58.72 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.8	161.6
51	40.7	32.8	49.2
86	64.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 57.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

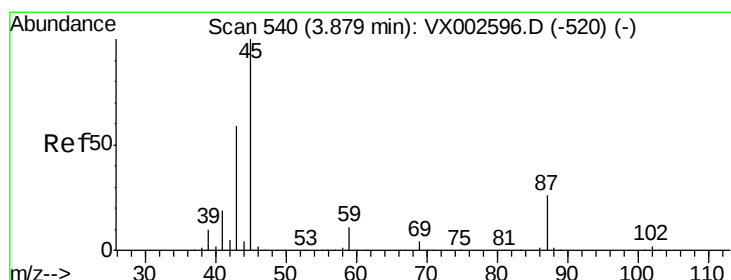
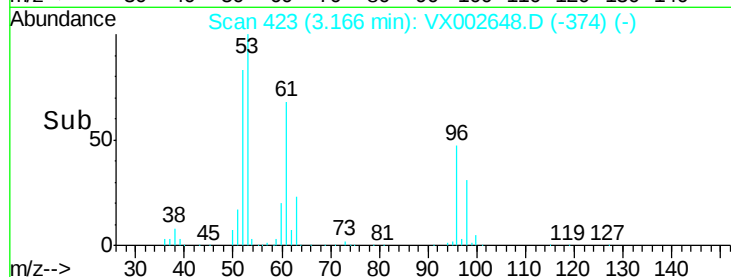
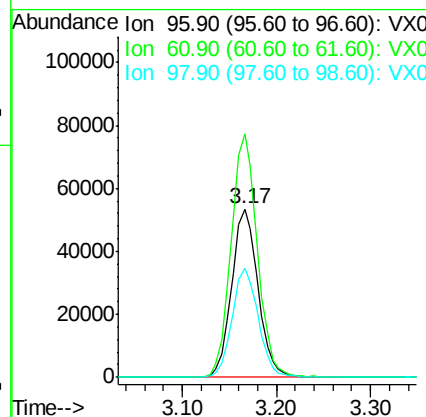
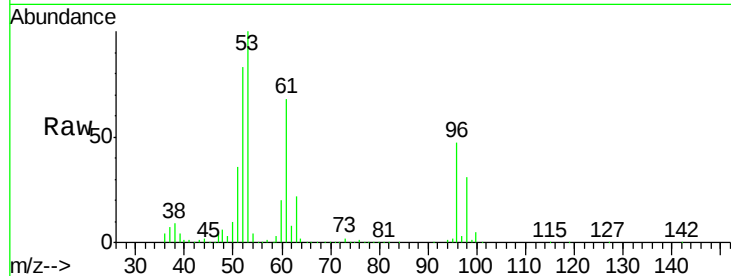
ClientSampled :

S36-0135MS

Tot Ion:	96	Resp:	103876
Ion	Ratio	Lower	Upper
96	100		
61	144.5	117.0	175.4
98	65.2	52.4	78.6

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#22

Diisopropyl ether

Concen: 63.33 ug/l

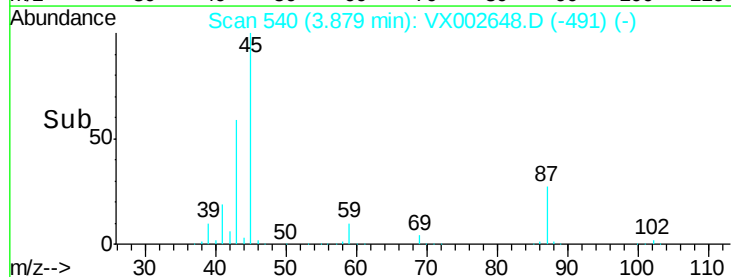
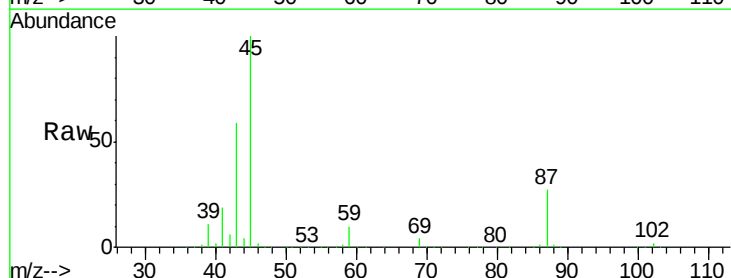
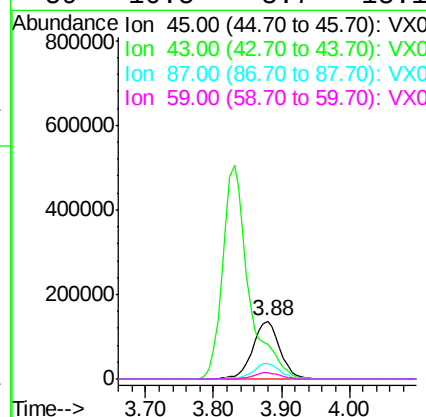
RT: 3.88 min Scan# 540

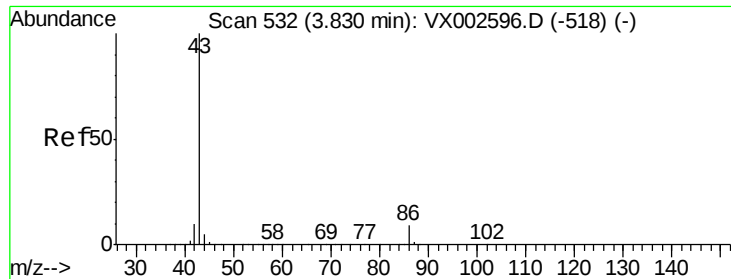
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	45	Resp:	379807
Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.8	70.2
87	26.7	20.2	30.4
59	10.5	8.7	13.1





#23

Vinyl Acetate

Concen: 267.20 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

S36-0135MS

Tot Ion: 43 Resp: 1341271

Ion Ratio Lower Upper

43 100

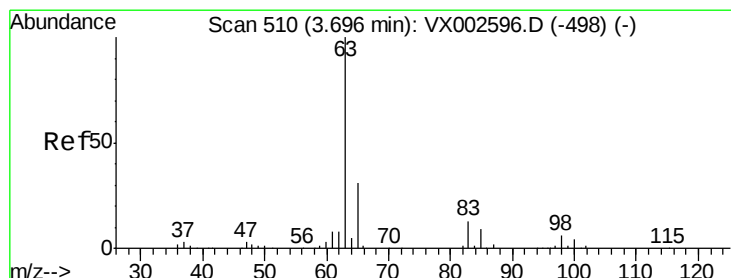
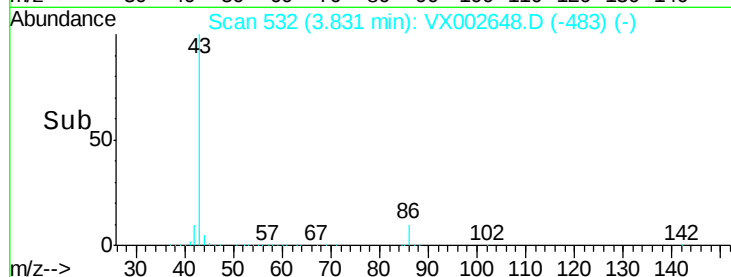
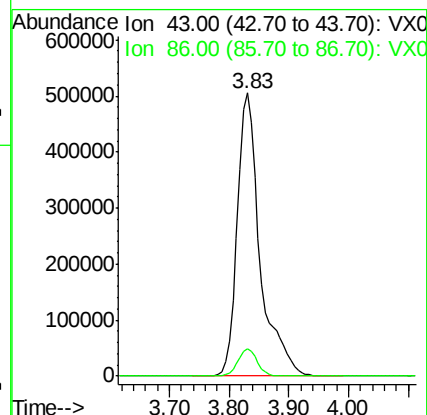
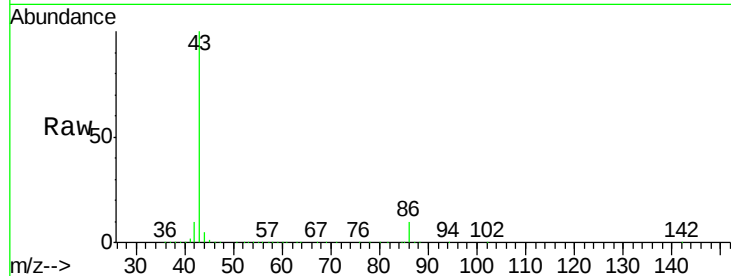
86 9.7 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 62.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

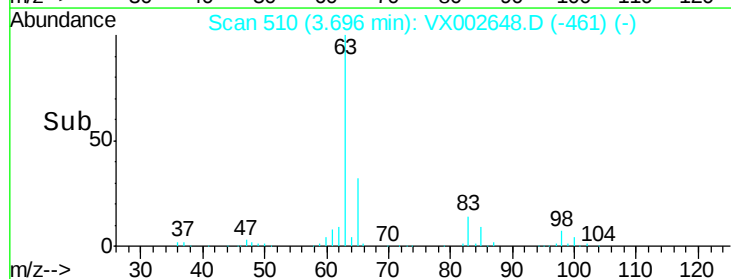
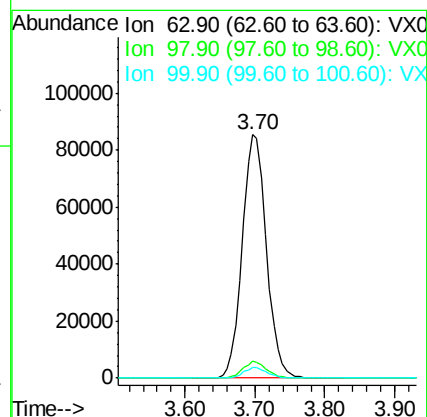
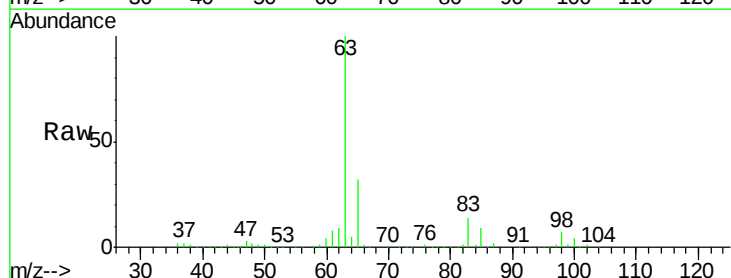
Tgt Ion: 63 Resp: 204583

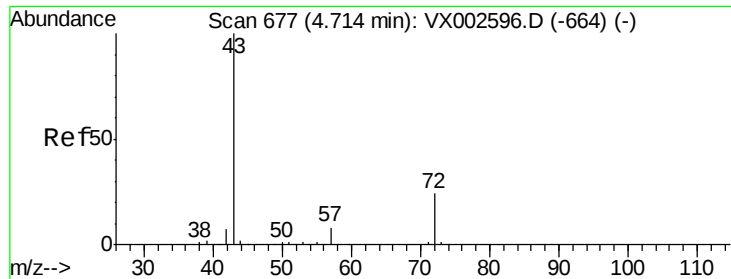
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 321.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

S36-0135MS

Tot Ion: 43 Resp: 422698

Ion Ratio Lower Upper

43 100

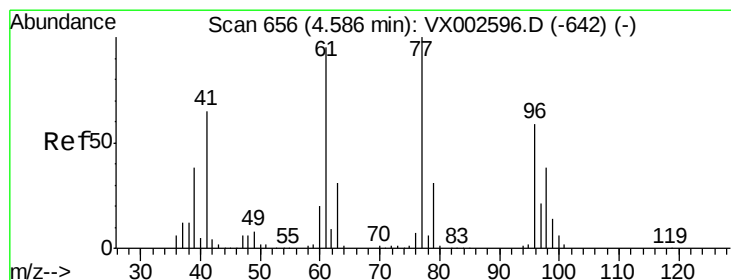
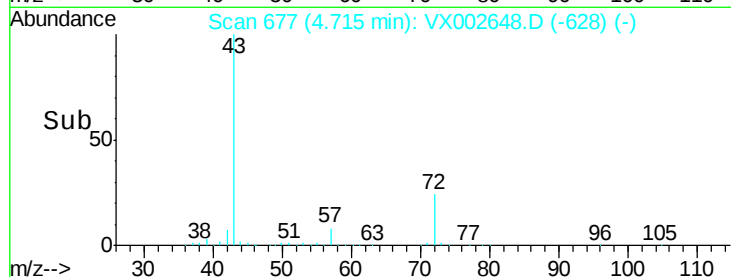
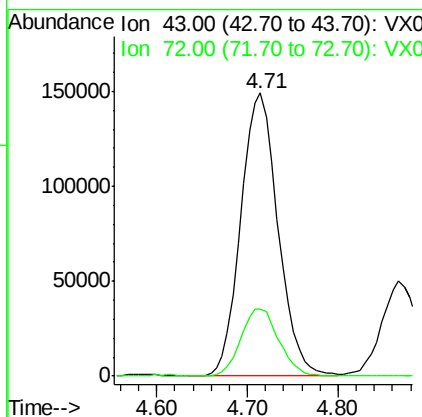
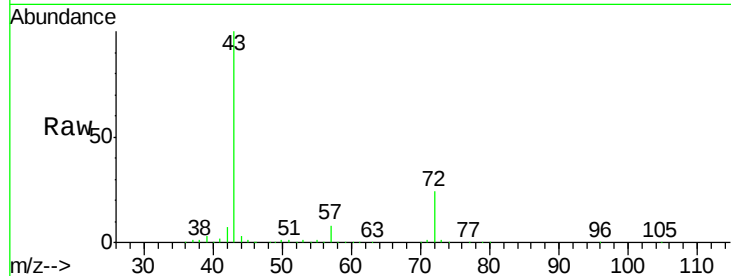
72 23.6 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 29.85 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002648.D

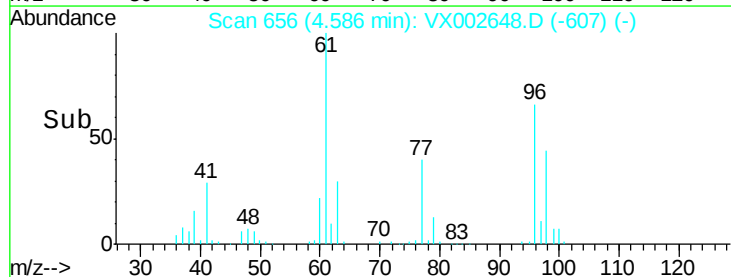
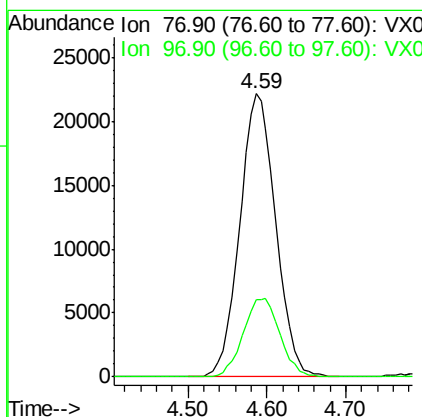
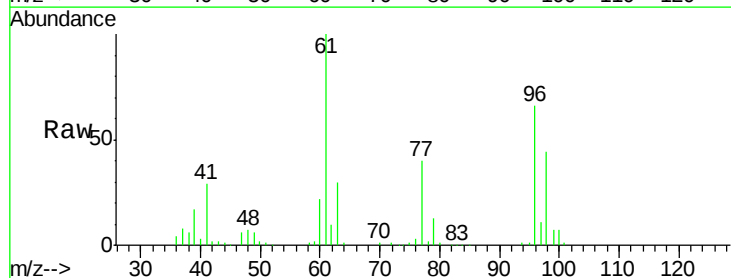
Acq: 16 Jun 2018 15:08

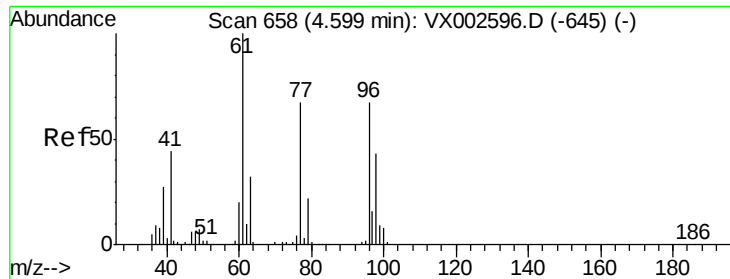
Tgt Ion: 77 Resp: 69819

Ion Ratio Lower Upper

77 100

97 28.3 11.2 33.5





#27

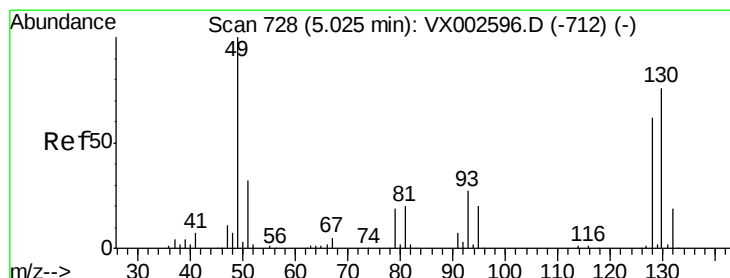
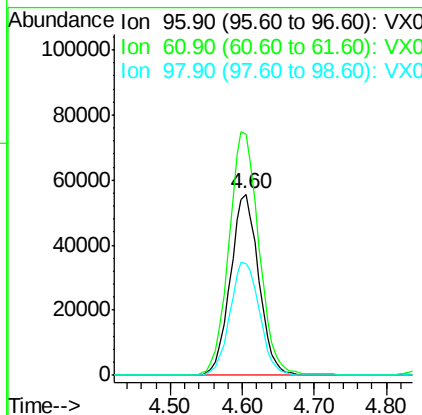
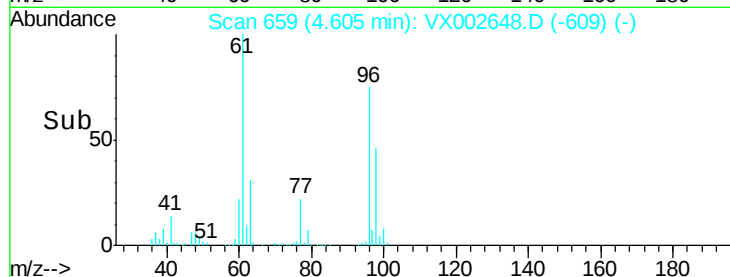
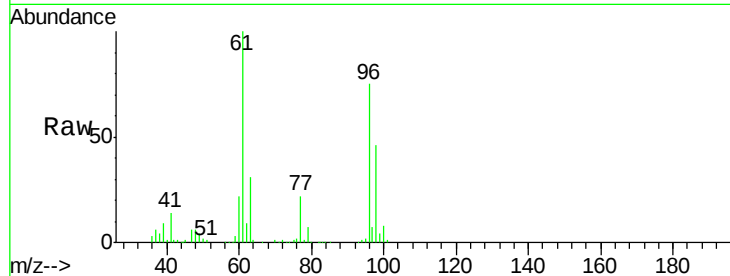
cis-1,2-Dichloroethene
Concen: 82.71 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	152433		
61	142.7	0.0	330.2	
98	64.9	0.0	130.2	

Manual Integrations
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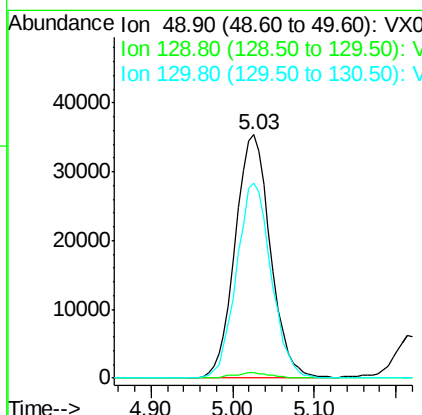
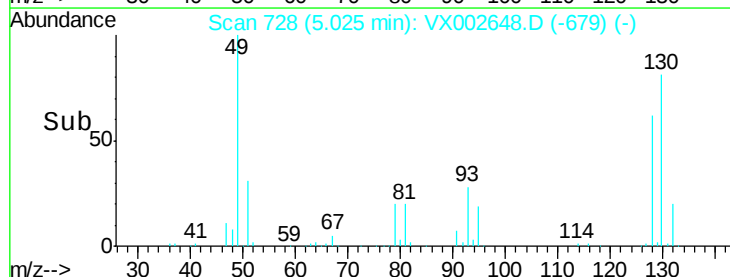
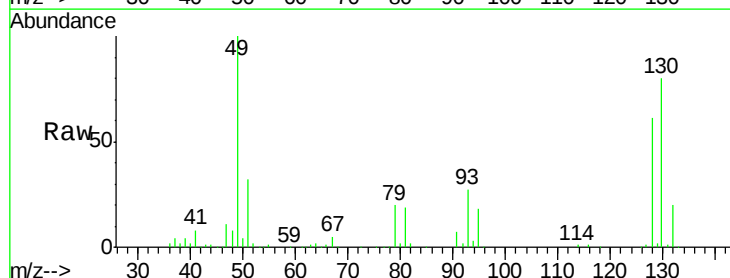
MMDadoda
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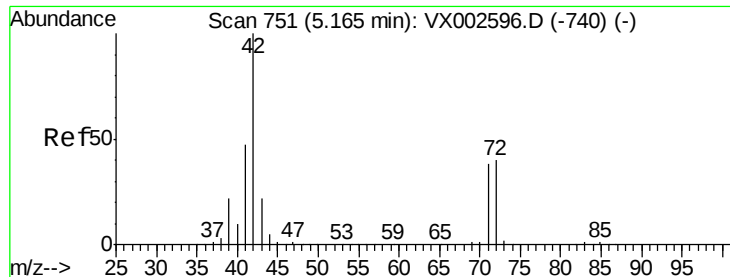


#28

Bromochloromethane
Concen: 69.63 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106143		
129	2.3	0.0	4.2	
130	78.9	61.2	91.8	





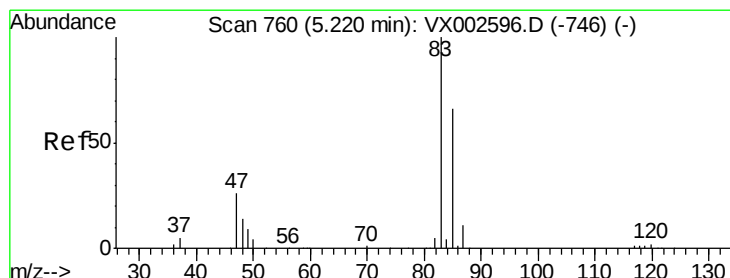
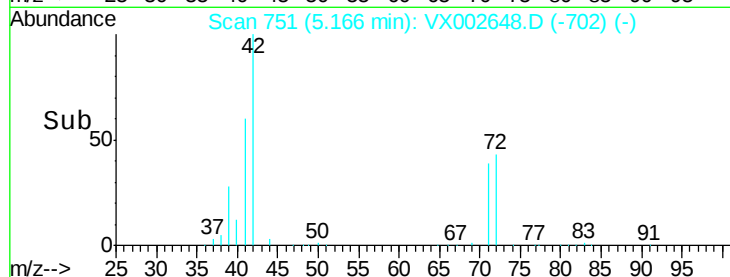
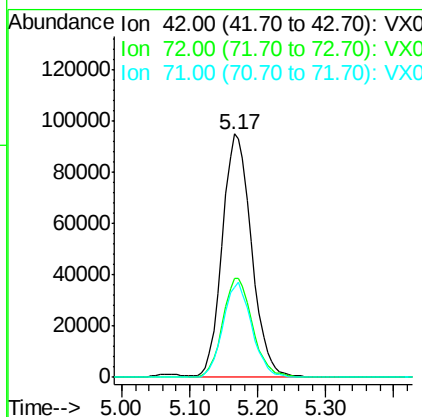
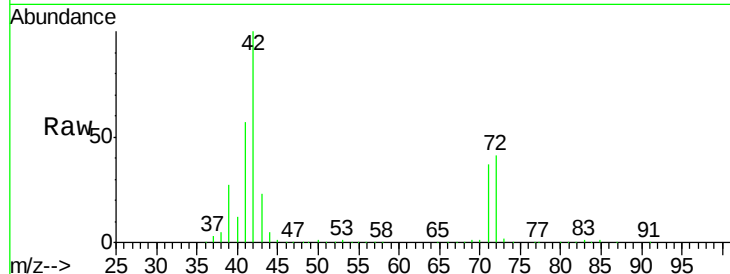
#29
Tetrahydrofuran
Concen: 327.96 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.3	30.1	45.1

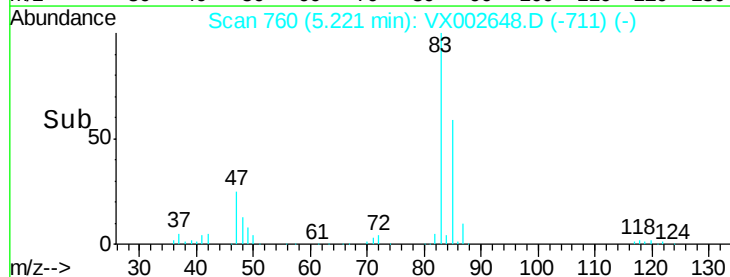
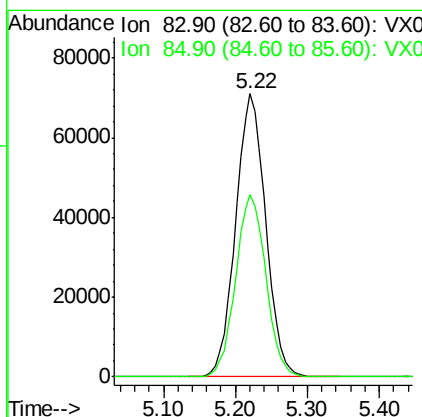
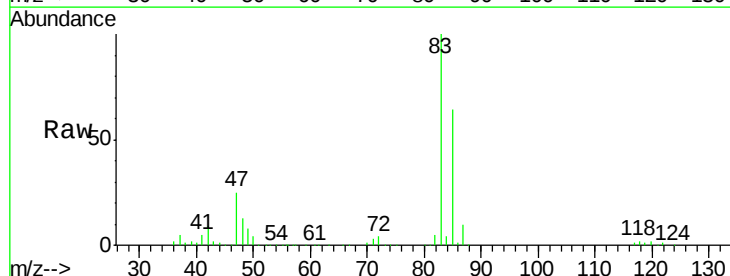
Manual Integrations
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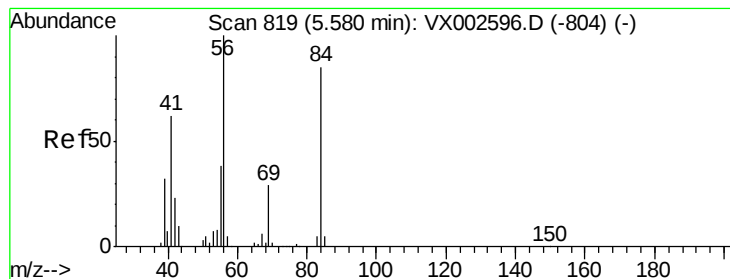
MMDadoda
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#30
Chloroform
Concen: 65.46 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6





#31

Cyclohexane

Concen: 32.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

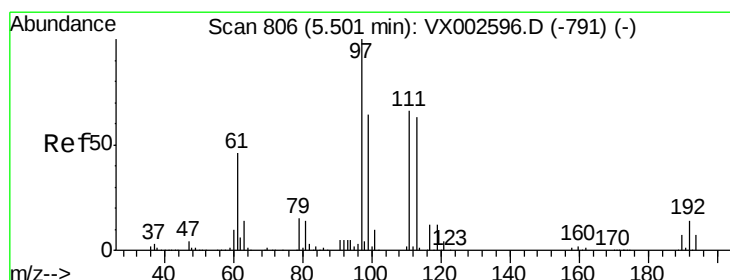
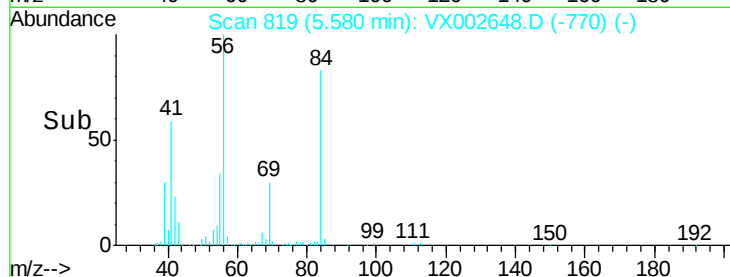
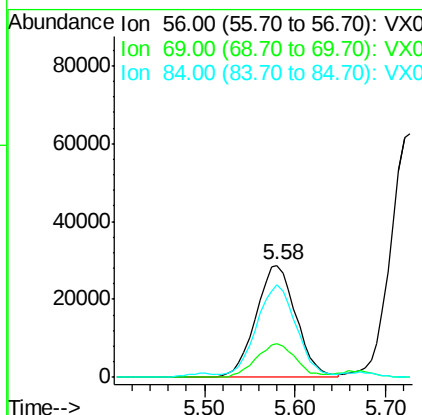
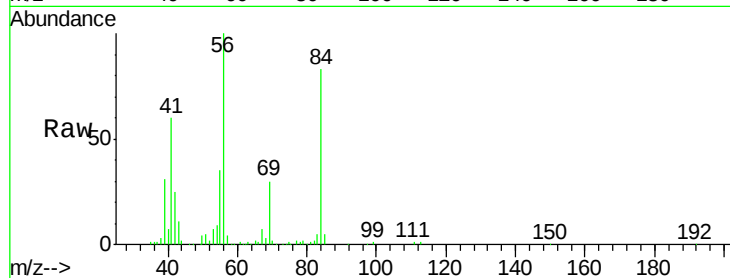
ClientSampled :

S36-0135MS

Tot Ion:	56	Resp:	88225
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	80.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.55 ug/l

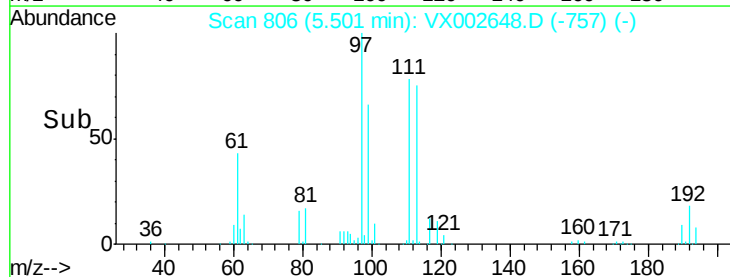
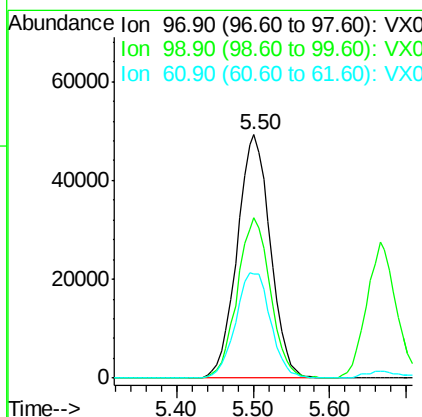
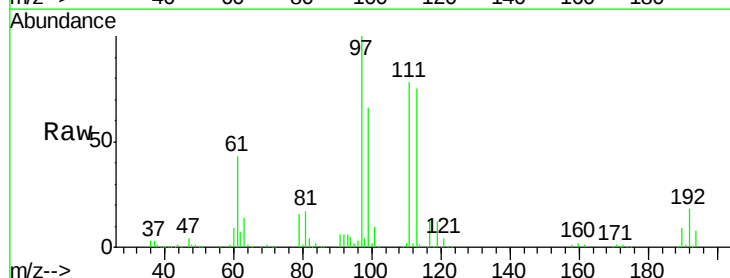
RT: 5.50 min Scan# 806

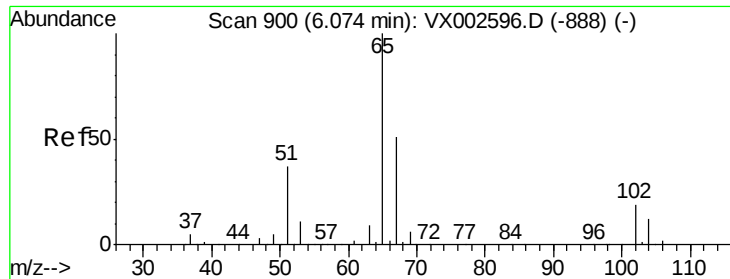
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	97	Resp:	148454
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.6	77.4
61	45.6	36.4	54.6





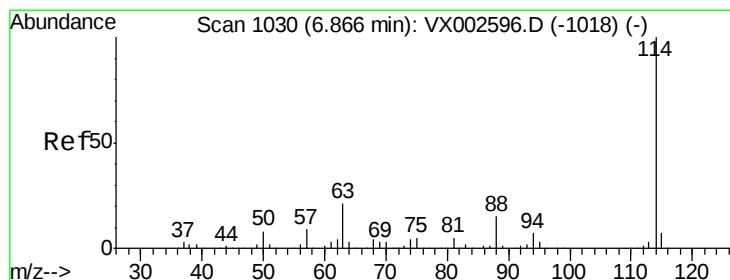
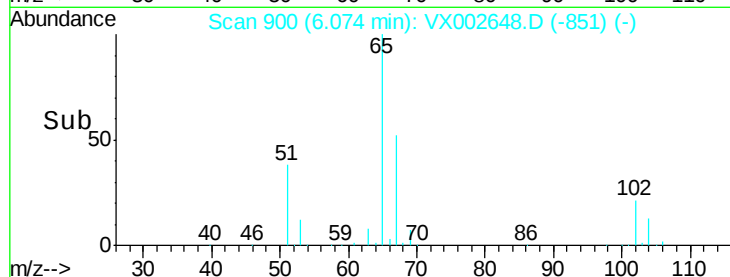
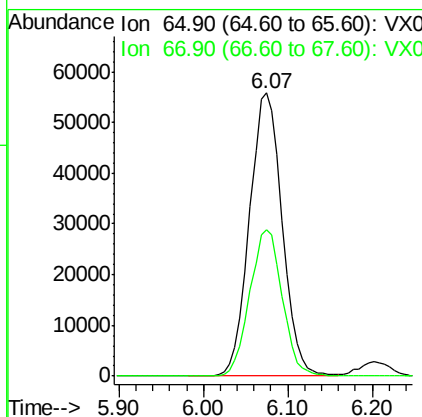
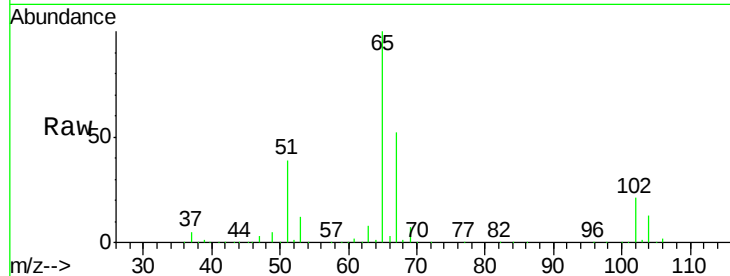
#33
 1,2-Dichloroethane-d4
 Concen: 64.87 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147291		
67	51.4	0.0	102.6	

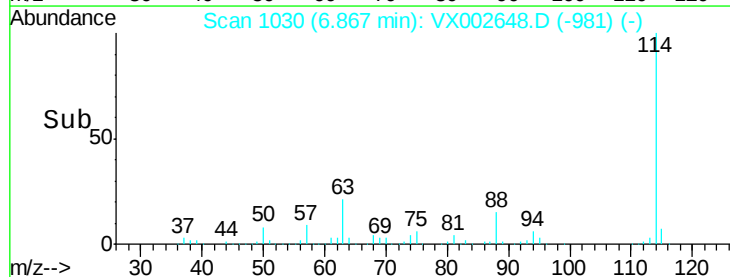
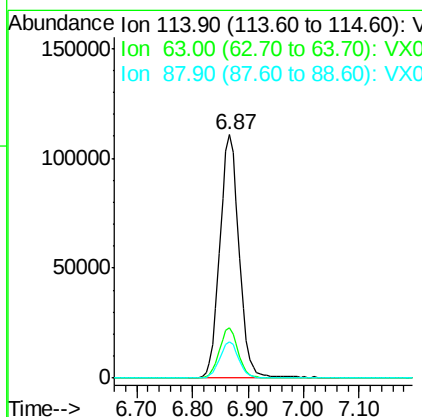
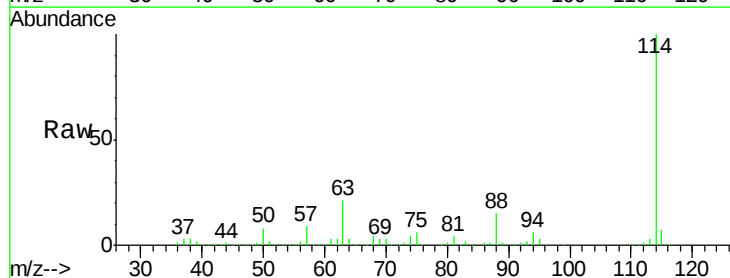
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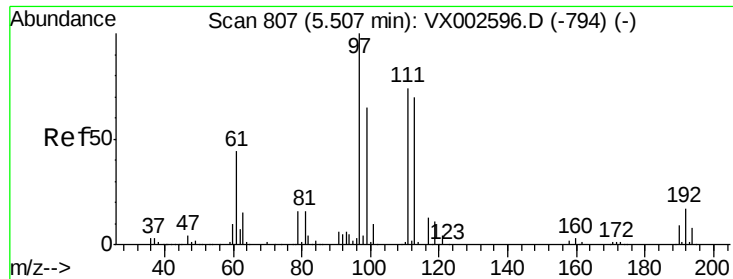
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	265630		
63	20.5	0.0	41.4	
88	14.8	0.0	30.0	





#35

Dibromofluoromethane

Concen: 53.55 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

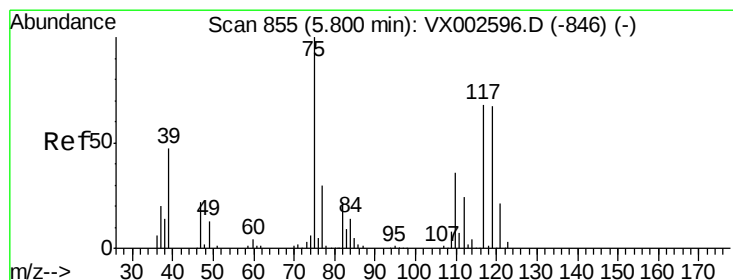
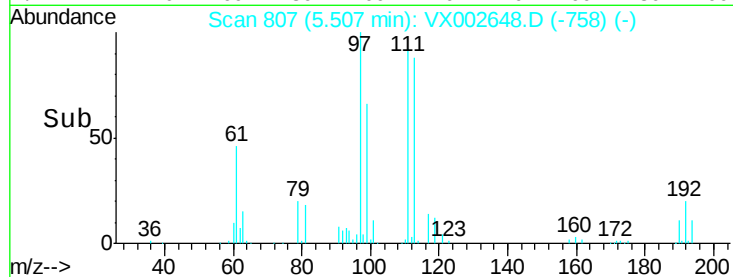
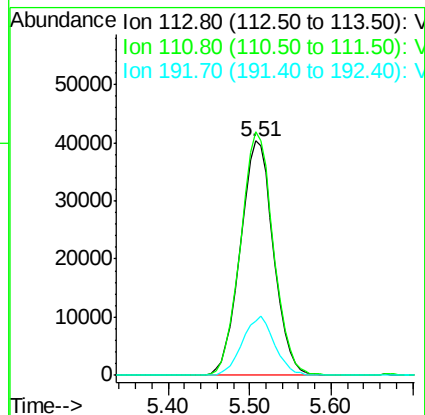
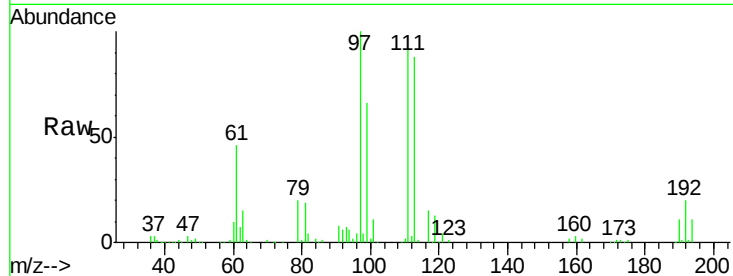
ClientSampleId :

S36-0135MS

Tot Ion:	113	Resp:	113519
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	24.5	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 40.59 ug/l

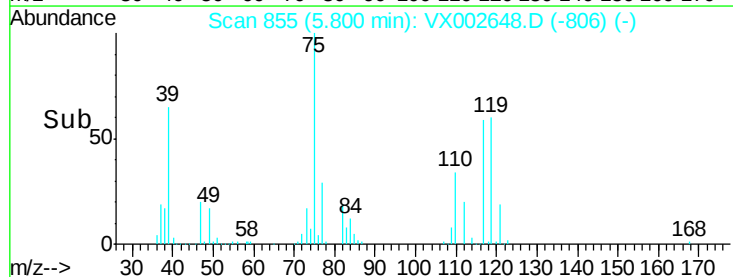
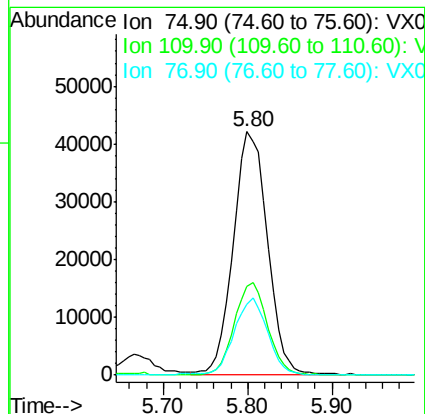
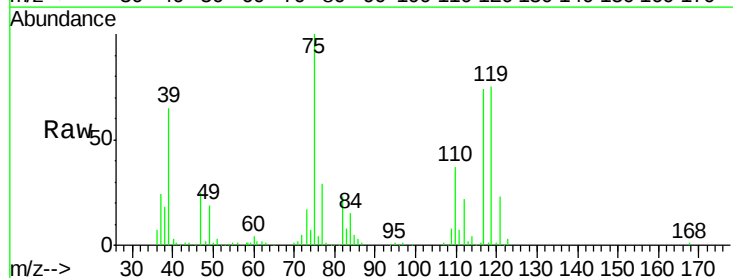
RT: 5.80 min Scan# 855

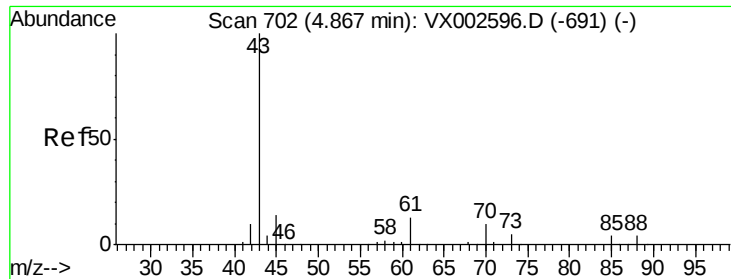
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	75	Resp:	114517
Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.1	54.4
77	31.8	24.3	36.5





#37

Ethyl Acetate

Concen: 45.06 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

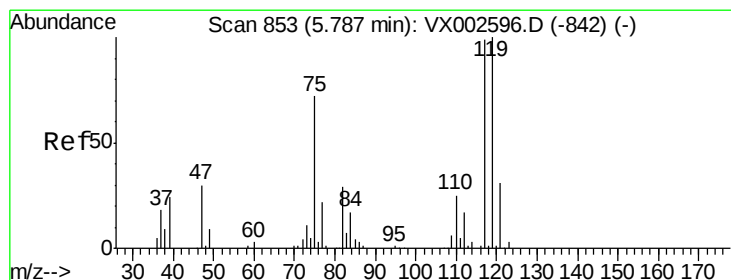
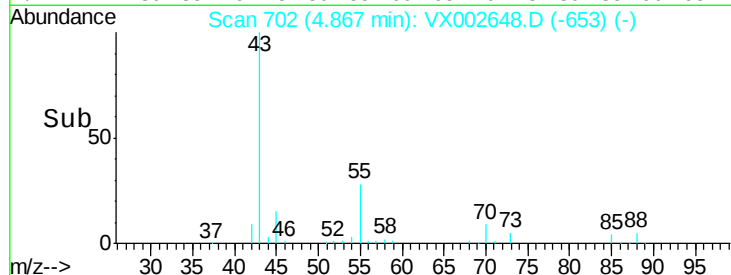
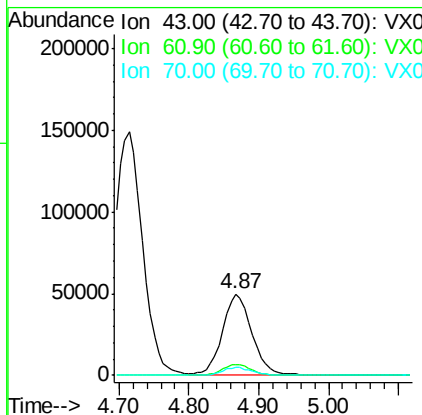
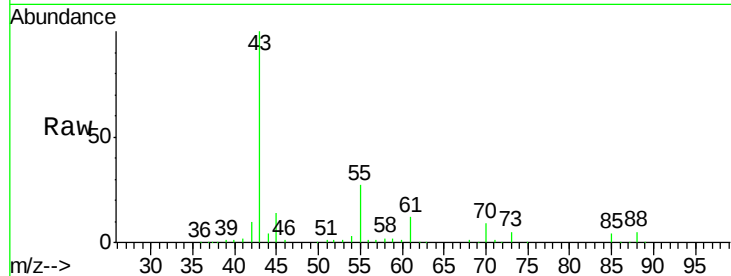
ClientSampleId :

S36-0135MS

Tot Ion:	43	Resp:	143896
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	9.7	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 41.44 ug/l

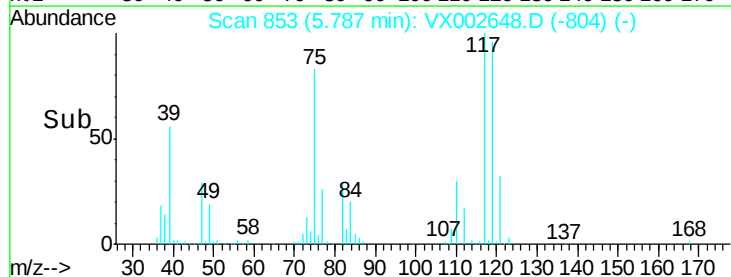
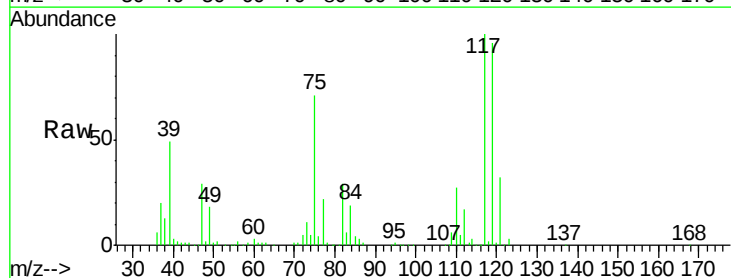
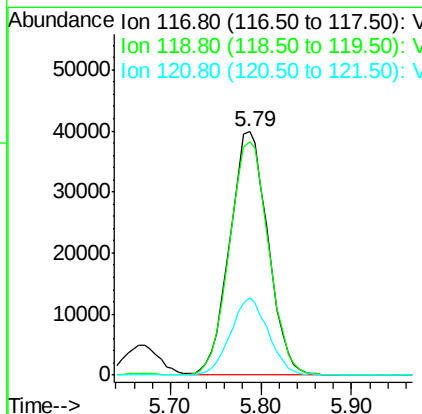
RT: 5.79 min Scan# 853

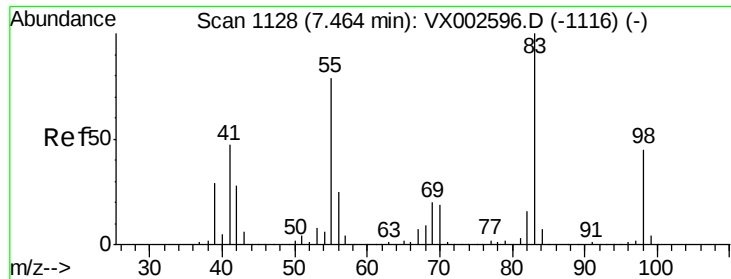
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	117	Resp:	116415
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	31.7	24.4	36.6





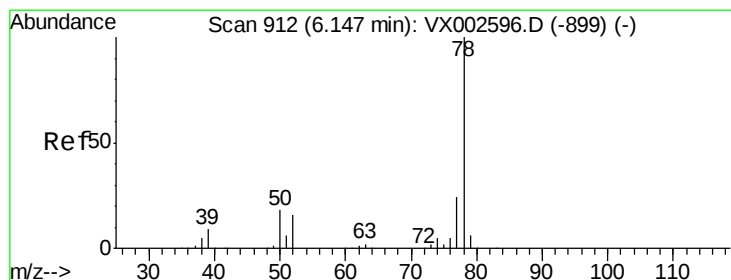
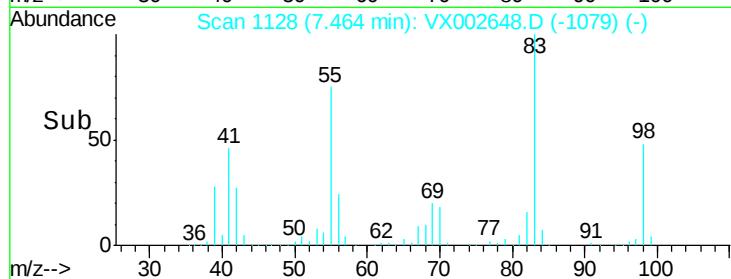
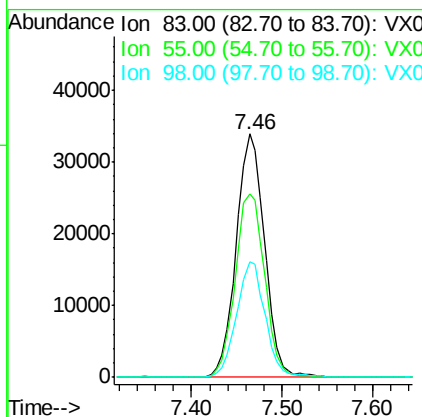
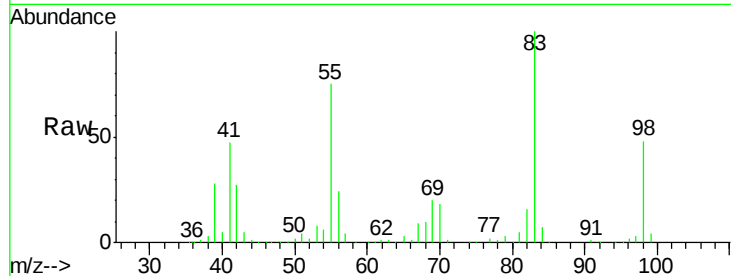
#39
Methvlcvclohexane
Concen: 22.38 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion	83.00	Resp:	73807
Ion	Ratio	Lower	Upper
83	100		
55	75.0	65.4	98.0
98	47.7	37.4	56.0

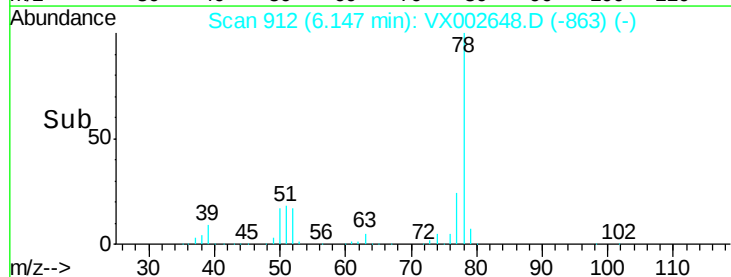
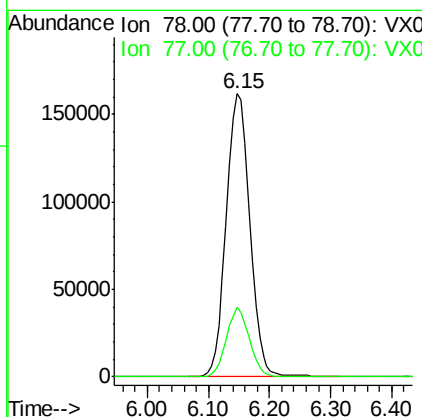
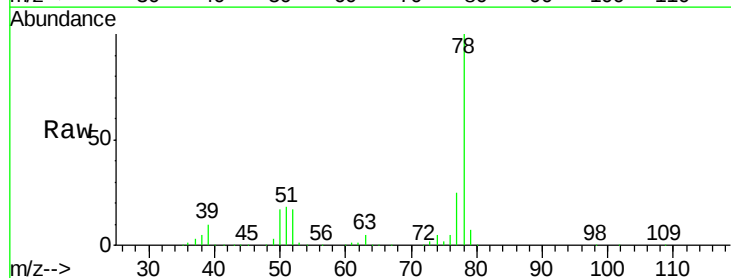
Manual Integrations
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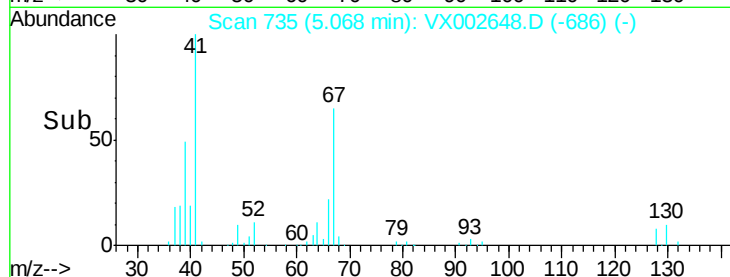
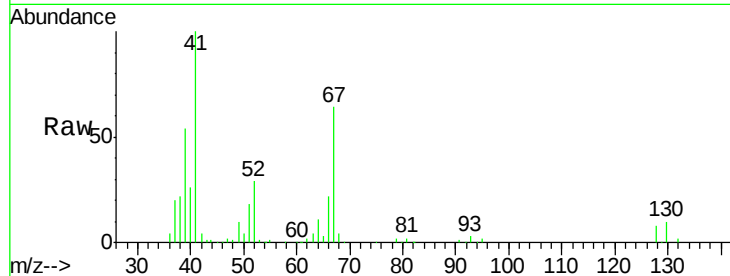
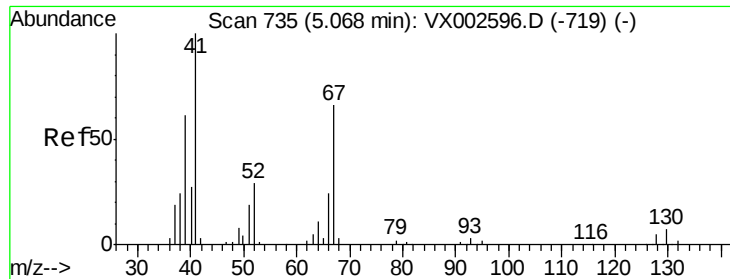
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#40
Benzene
Concen: 51.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	78	Resp:	431520
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





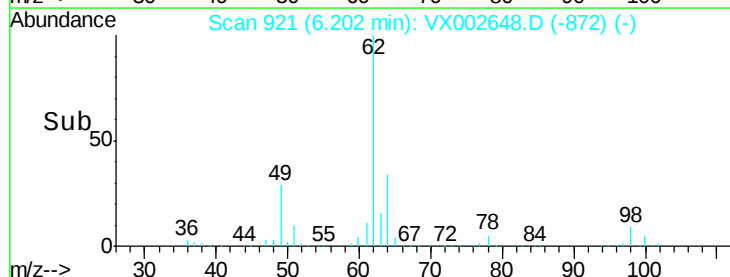
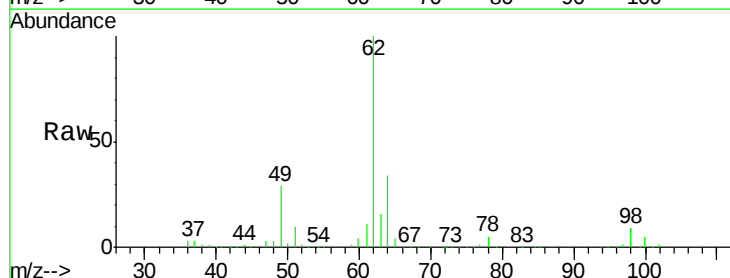
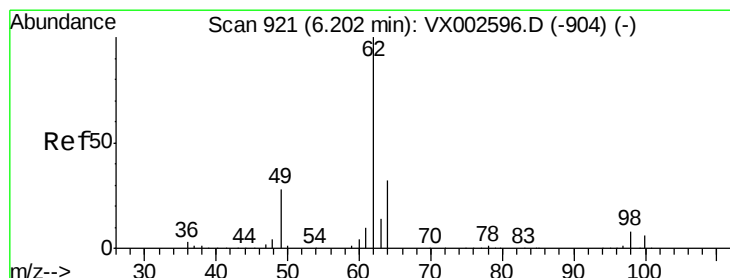
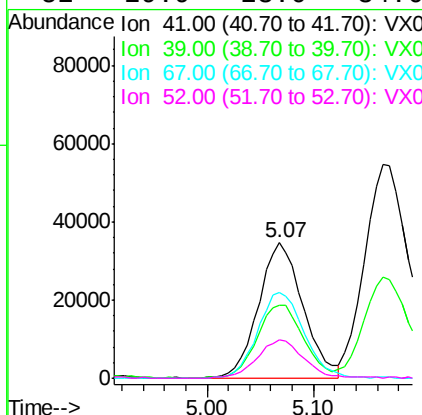
#41
Methacrylonitrile
Concen: 55.51 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		100080		
39	55.9	45.8	68.6		
67	66.4	51.3	76.9		
52	29.9	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

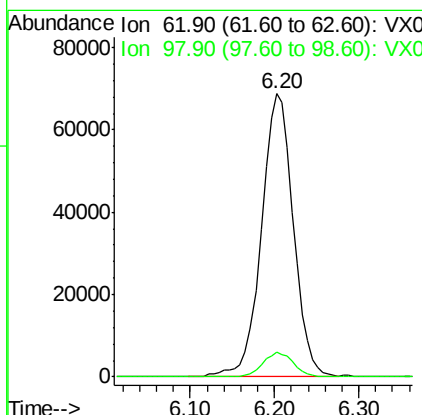
Manual Integrations
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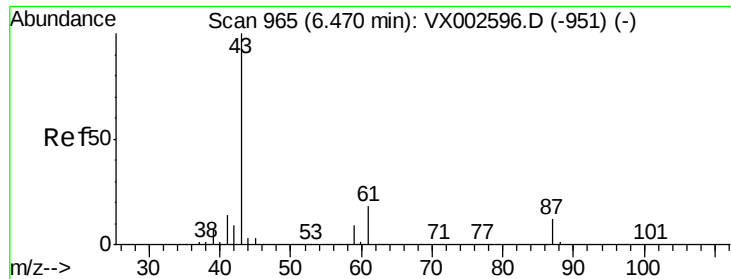
MMDadoda
6/18/2018 5:12:10 PM



#42
1,2-Dichloroethane
Concen: 54.60 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		178812		
98	8.5	0.0	16.6		





#43

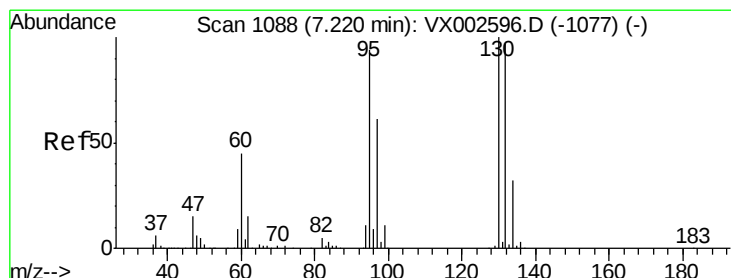
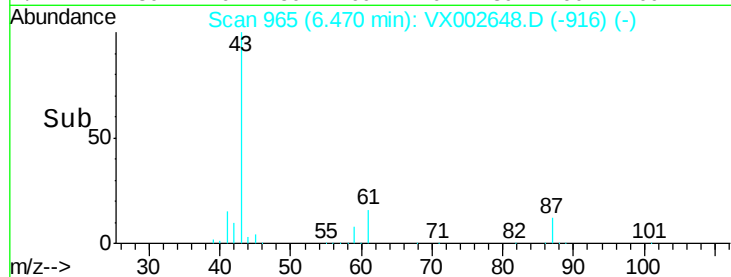
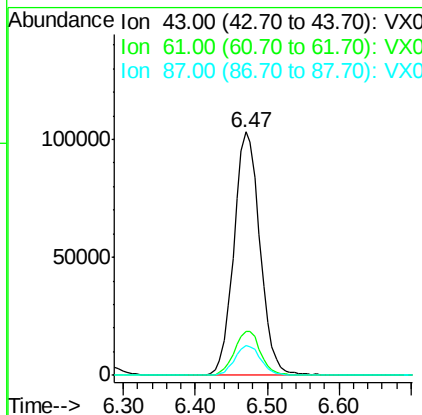
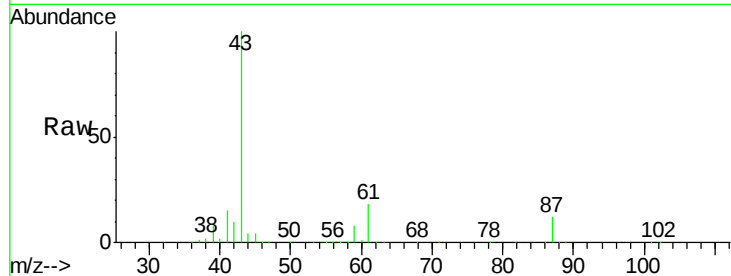
Isopropyl Acetate
 Concen: 48.90 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0135MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.3	9.5	14.3

Manual Integrations
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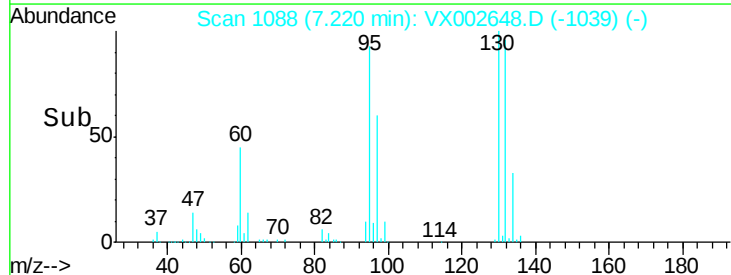
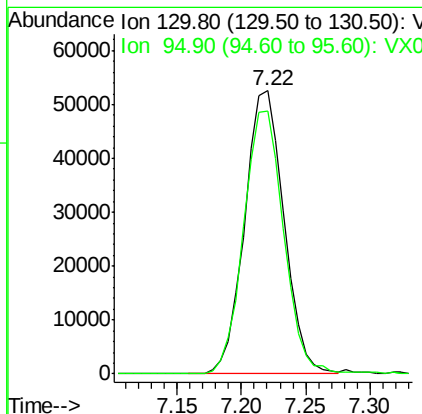
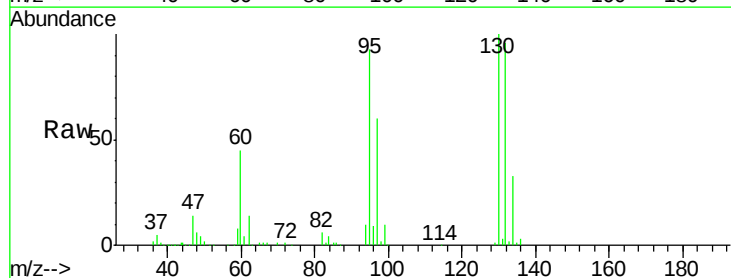
MMDadoda
 6/18/2018 5:12:10 PM

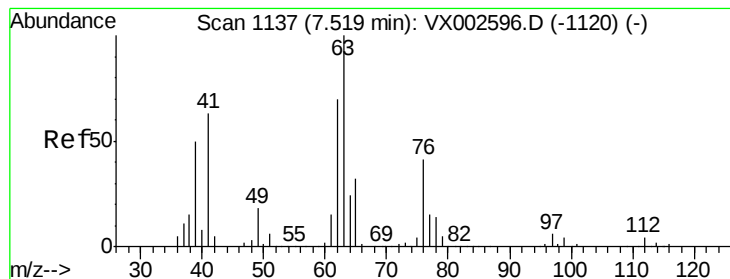


#44

Trichloroethene
 Concen: 45.43 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 53.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

S36-0135MS

Tot Ion: 63 Resp: 118584

Ion Ratio Lower Upper

63 100

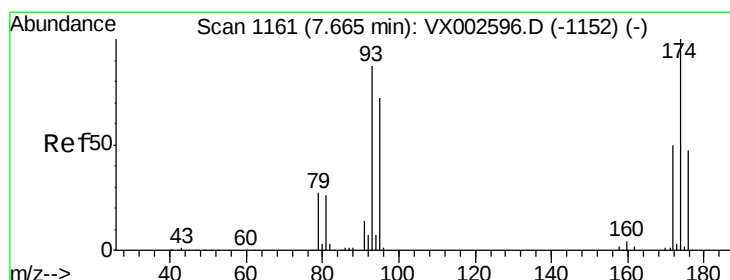
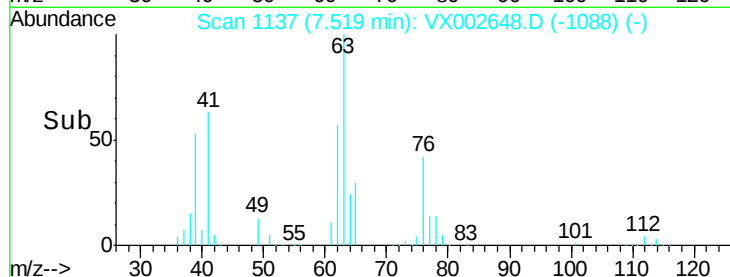
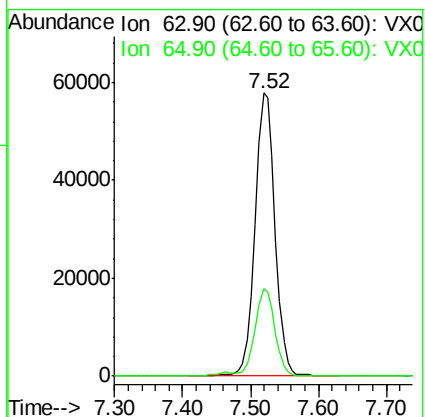
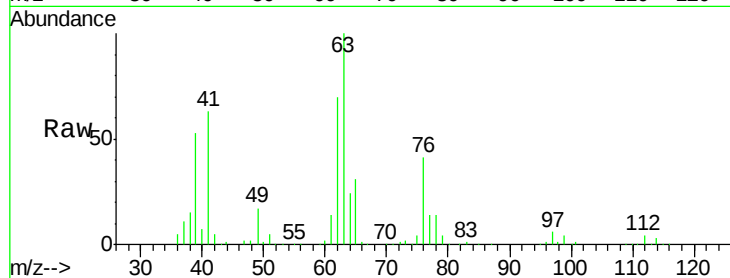
65 30.9 24.7 37.1

Manual Integrations

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MMDadoda

6/18/2018 5:12:10 PM



#46

Dibromomethane

Concen: 56.61 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

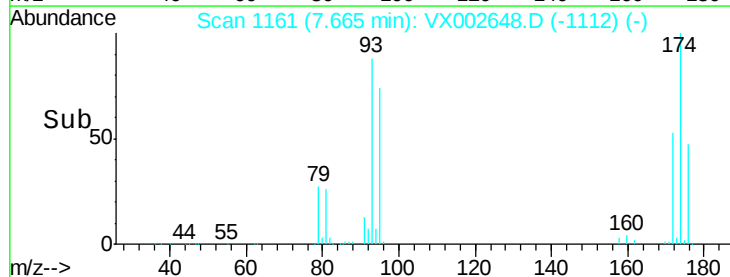
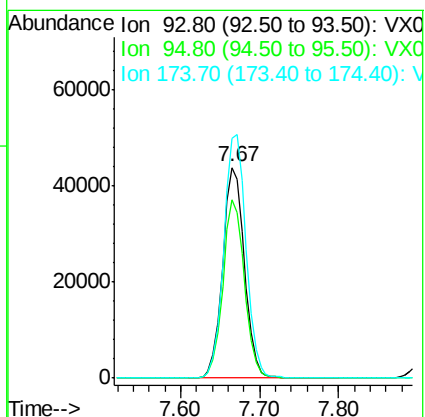
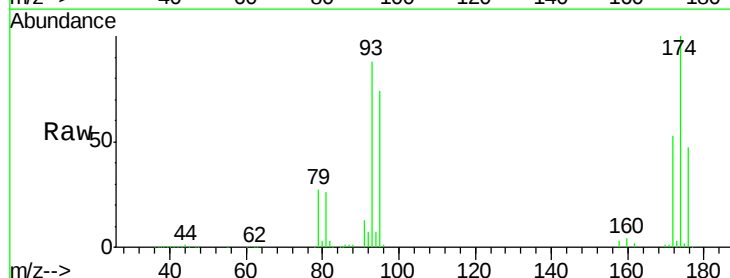
Tgt Ion: 93 Resp: 84312

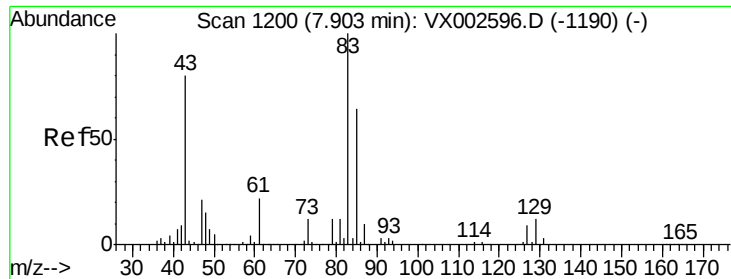
Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

174 118.1 92.4 138.6





#47

Bromodichloromethane

Concen: 57.55 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

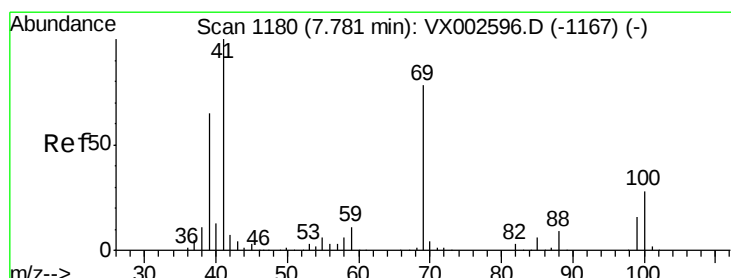
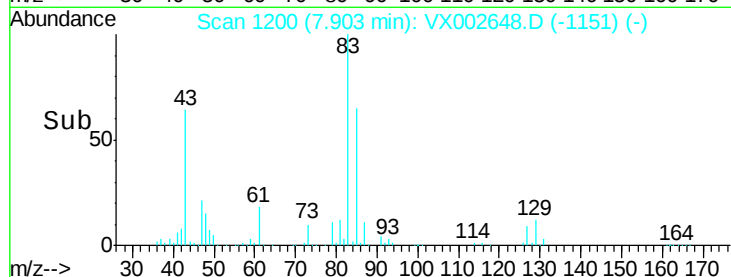
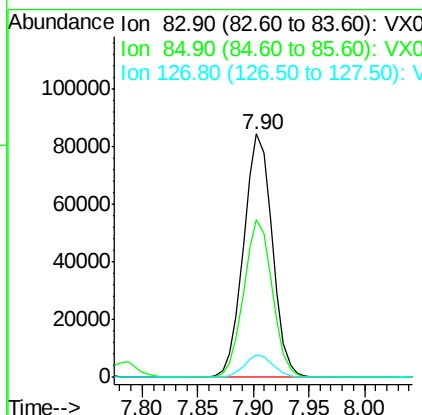
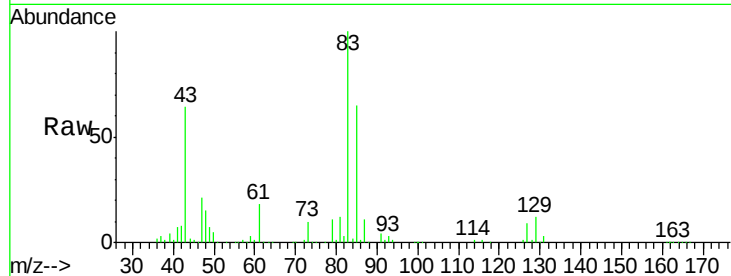
ClientSampled :

S36-0135MS

Tot Ion:	83	Resp:	151171
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.27 ug/l

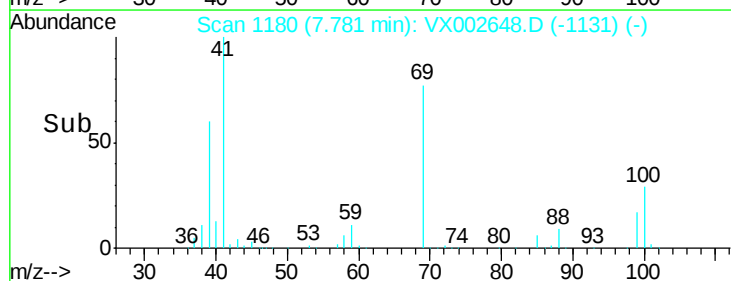
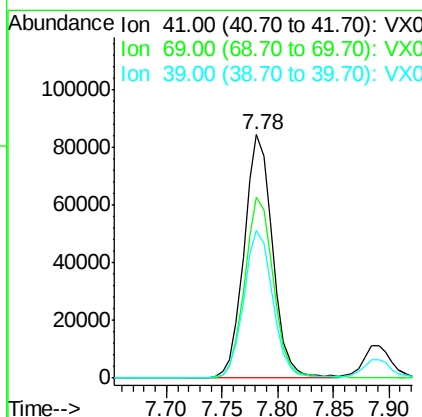
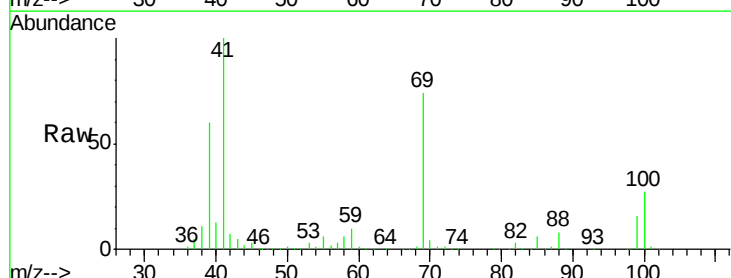
RT: 7.78 min Scan# 1180

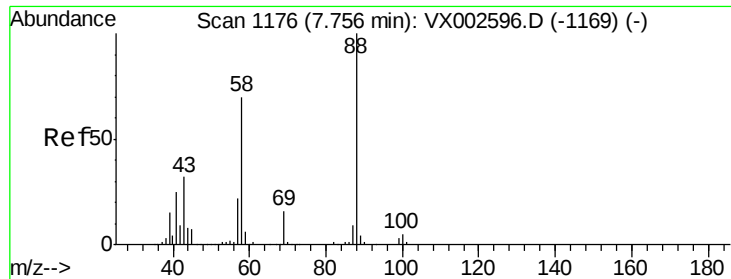
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	41	Resp:	149424
Ion Ratio	Lower	Upper	
41	100		
69	75.6	59.1	88.7
39	61.8	48.9	73.3





#49

1,4-Dioxane

Concen: 931.72 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

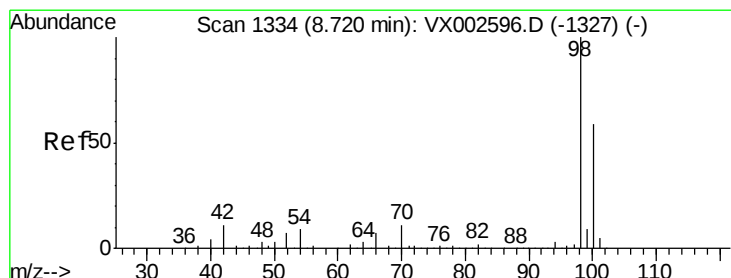
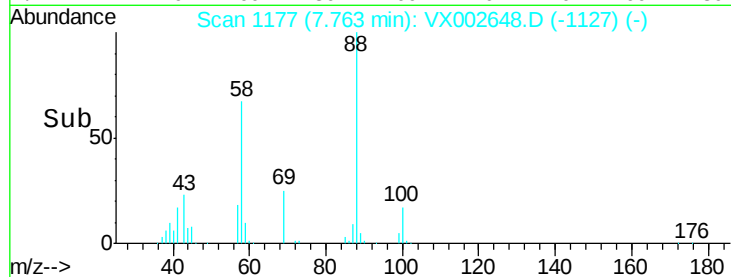
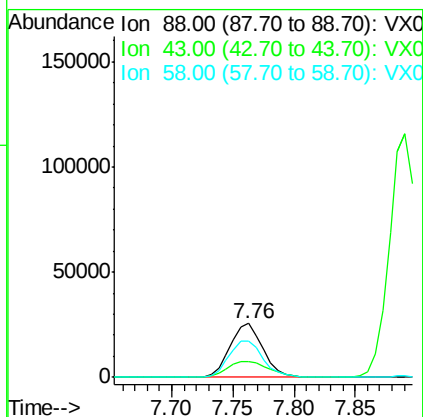
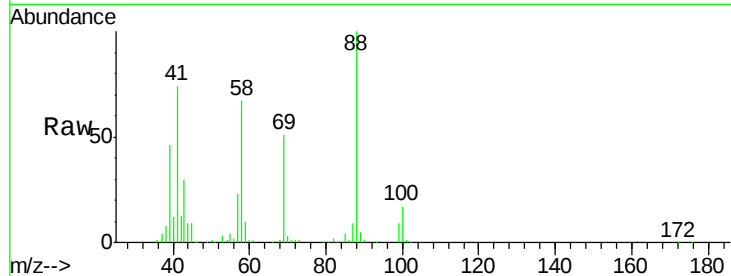
ClientSampled :

S36-0135MS

Tot Ion:	88	Resp:	47702
Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.6
58	71.6	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 49.30 ug/l

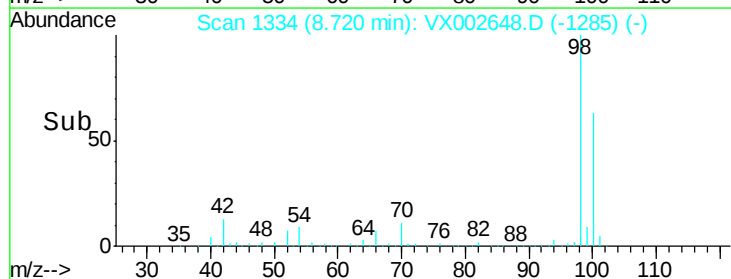
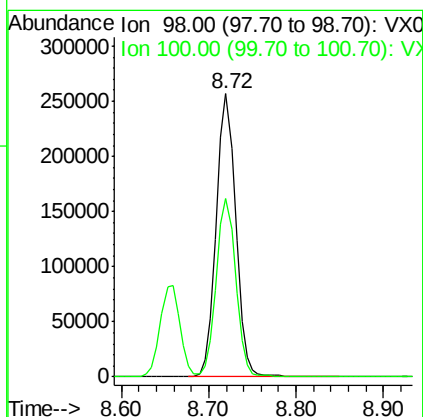
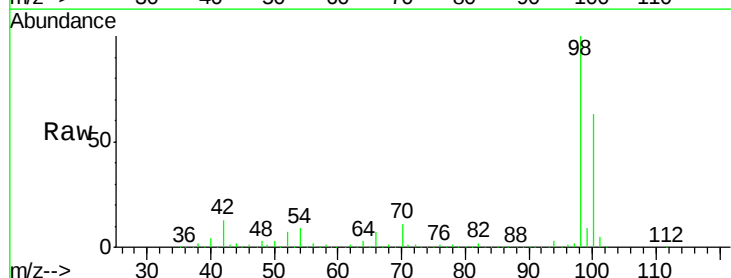
RT: 8.72 min Scan# 1334

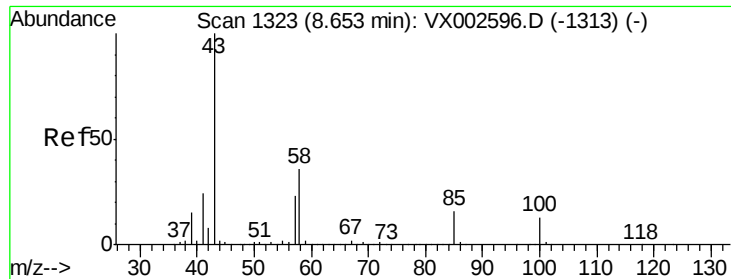
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	98	Resp:	396823
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 273.24 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

S36-0135MS

Tot Ion: 43 Resp: 928171

Ion Ratio Lower Upper

43 100

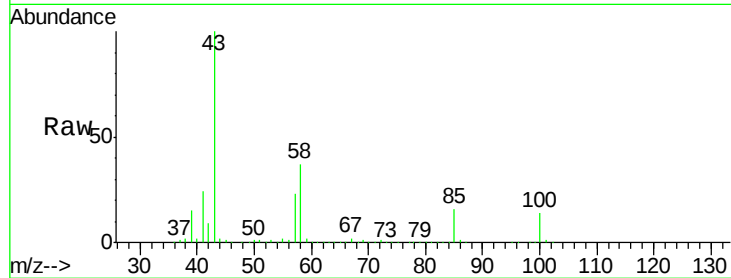
58 36.1 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

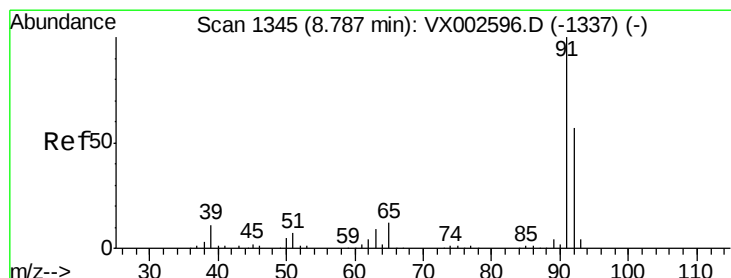
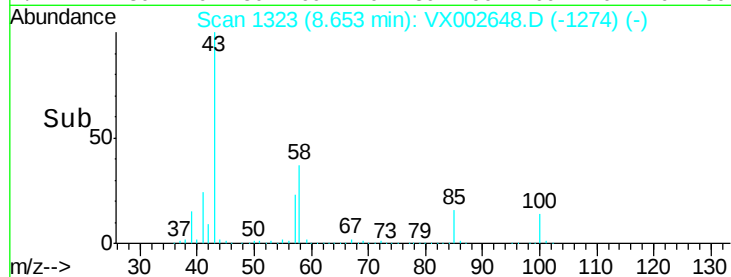
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.53 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002648.D

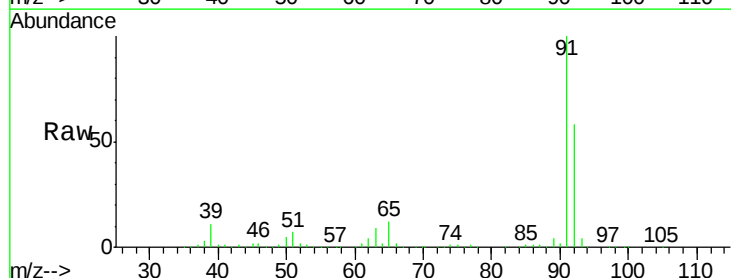
Acq: 16 Jun 2018 15:08

Tgt Ion: 92 Resp: 272683

Ion Ratio Lower Upper

92 100

91 174.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

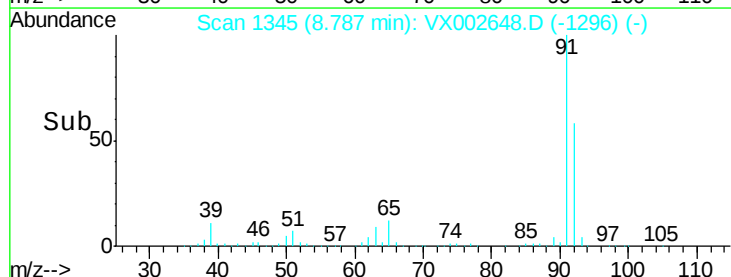
300000

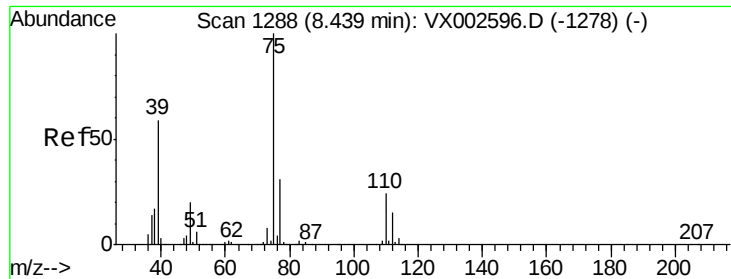
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.90 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion: 75 Resp: 158867

Ion Ratio Lower Upper

75 100

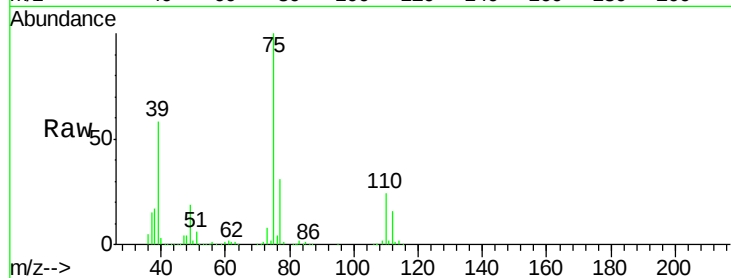
77 31.3 25.4 38.2

Manual Integrations

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MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120000

100000

80000

60000

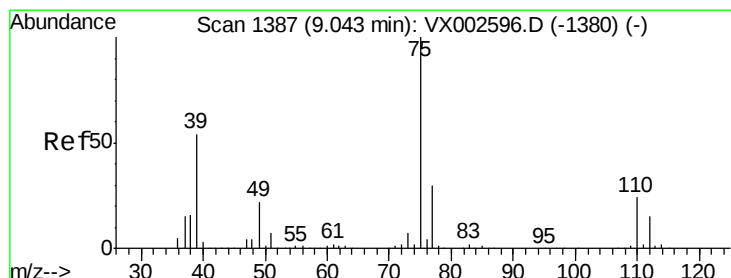
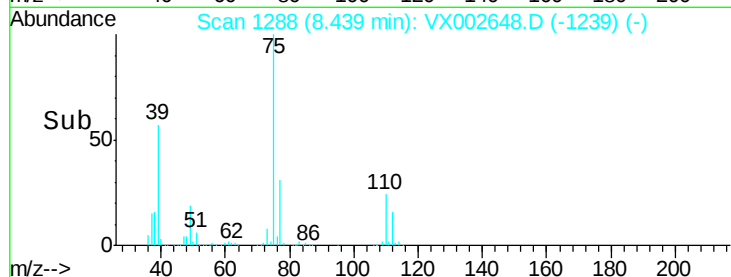
40000

20000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.30 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

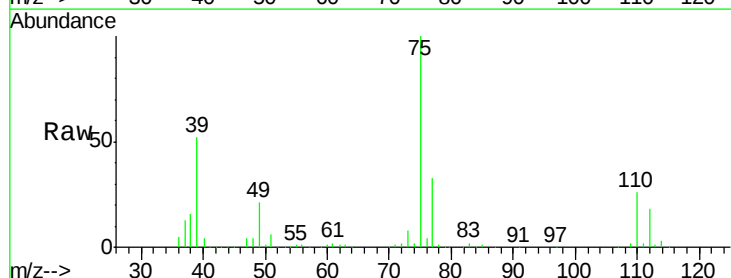
Tgt Ion: 75 Resp: 149191

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

39 51.5 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

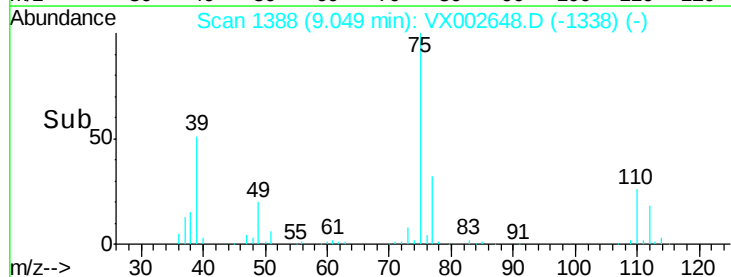
100000

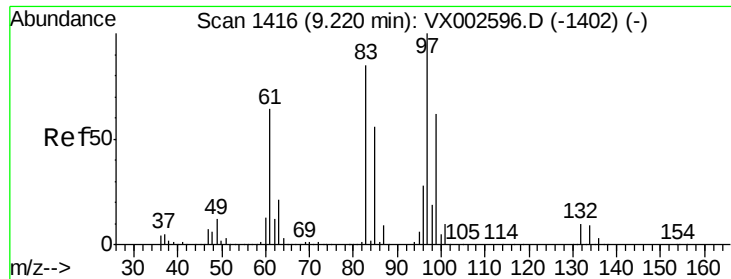
50000

0

8.95 9.00 9.05 9.10 9.15

Time-->





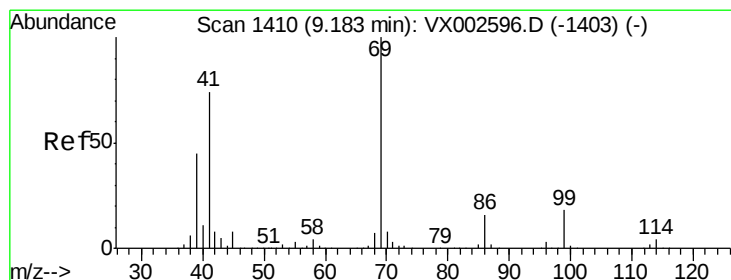
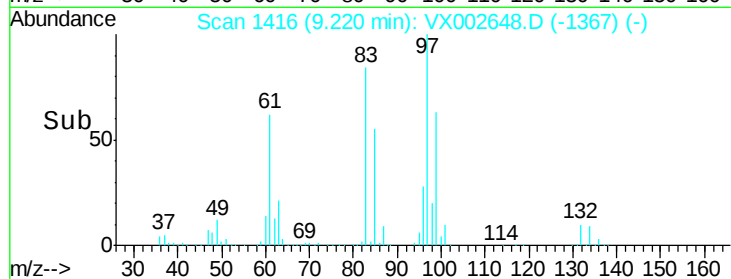
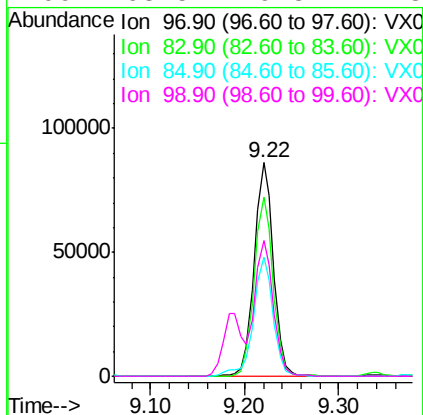
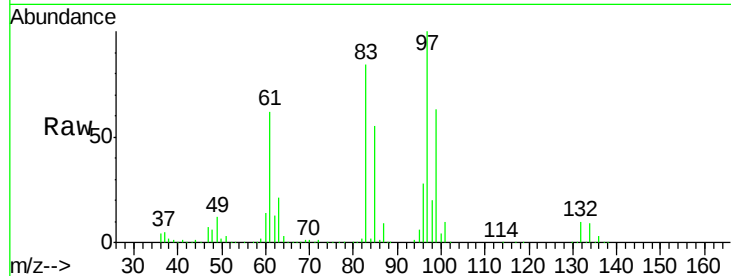
#55
 1,1,2-Trichloroethane
 Concen: 57.11 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion:	97	Resp:	124520
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.2	105.2
85	55.5	44.9	67.3
99	63.5	49.8	74.8

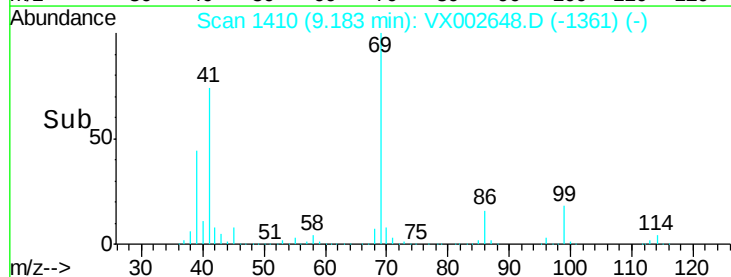
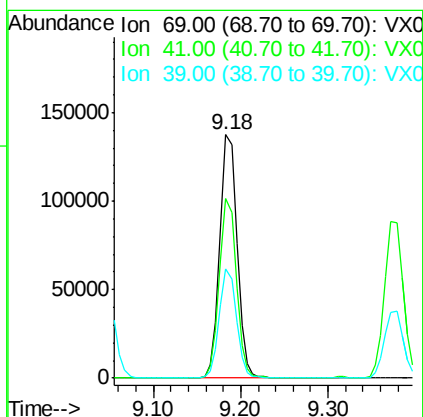
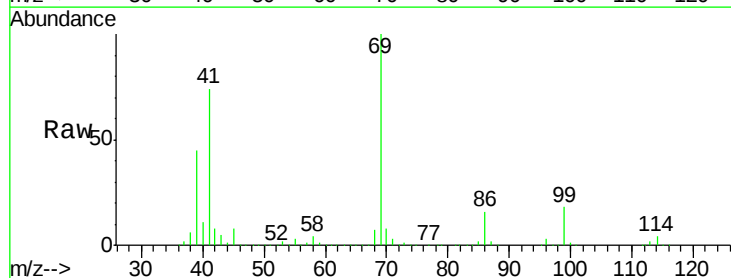
Manual Integrations
 APPROVED

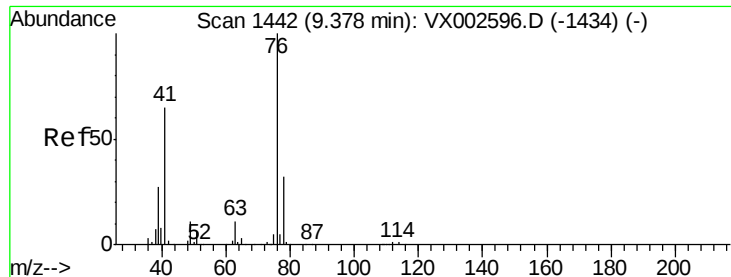
MMDadoda
 6/18/2018 5:12:10 PM



#56
 Ethyl methacrylate
 Concen: 56.26 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion:	69	Resp:	188779
Ion	Ratio	Lower	Upper
69	100		
41	72.3	60.3	90.5
39	43.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 54.76 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

S36-0135MS

Tot Ion: 76 Resp: 201938

Ion Ratio Lower Upper

76 100

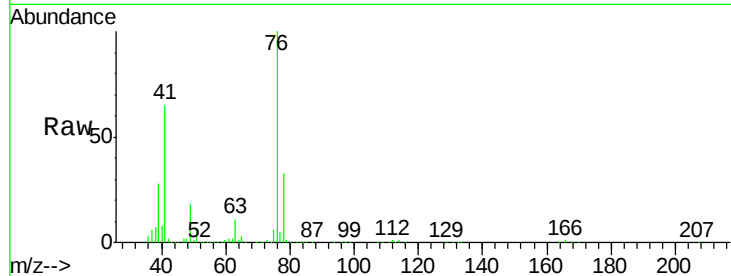
78 32.7 25.8 38.6

Manual Integrations

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MMDadoda

6/18/2018 5:12:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

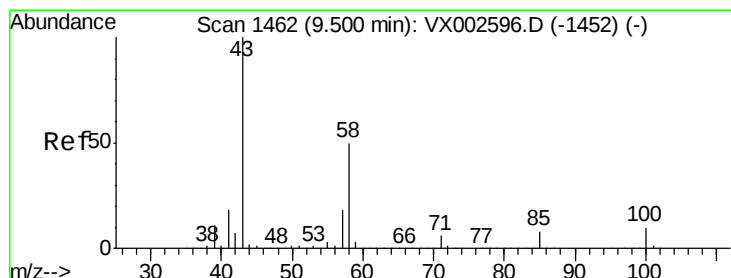
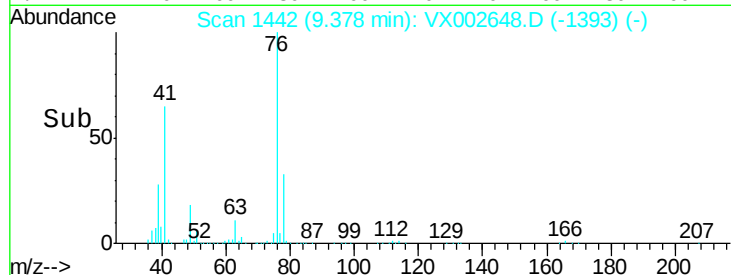
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 273.89 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002648.D

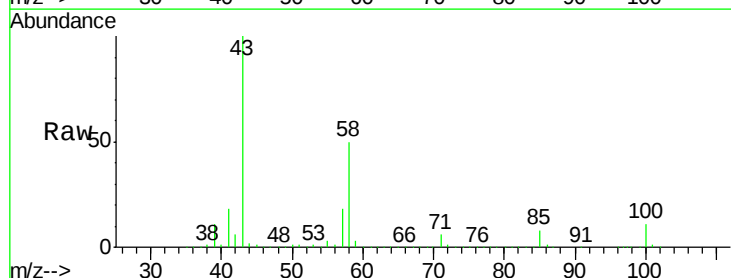
Acq: 16 Jun 2018 15:08

Tgt Ion: 43 Resp: 701057

Ion Ratio Lower Upper

43 100

58 50.5 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

500000

400000

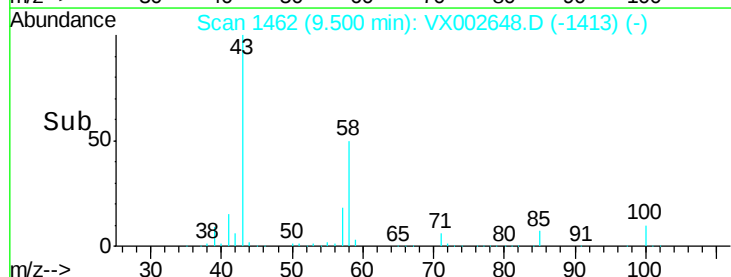
300000

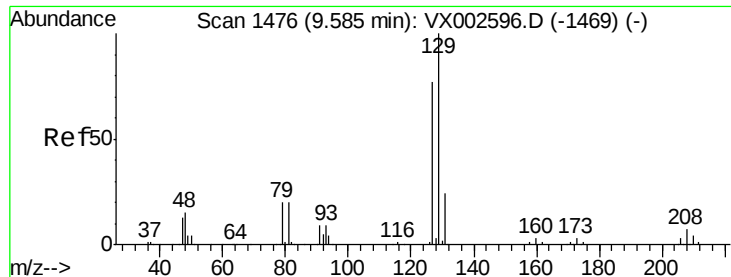
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 51.38 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion:129 Resp: 126286

Ion Ratio Lower Upper

129 100

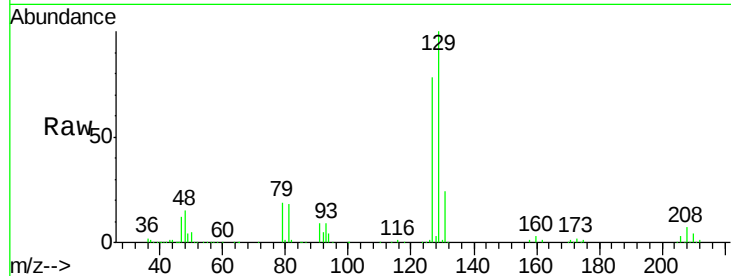
127 77.2 38.5 115.3

Manual Integrations

APPROVED

MMDadoda

6/18/2018 5:12:10 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

100000

80000

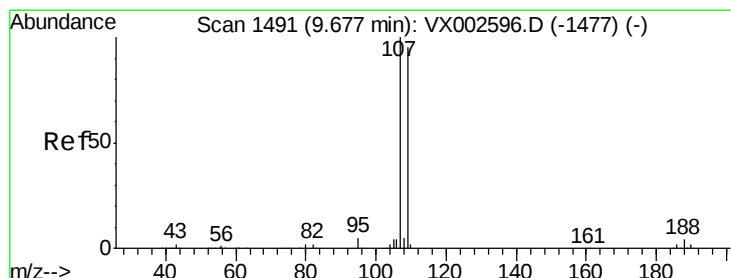
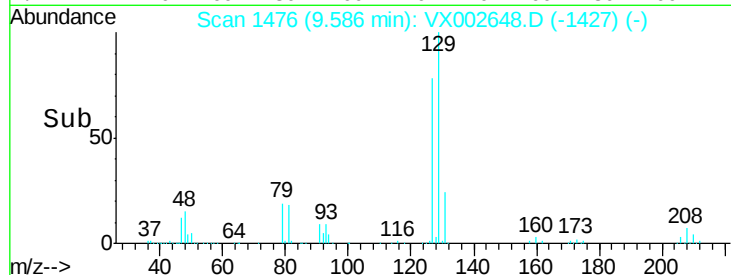
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 57.97 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002648.D

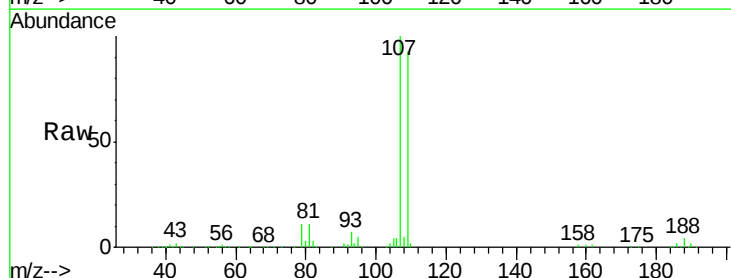
Acq: 16 Jun 2018 15:08

Tgt Ion:107 Resp: 130898

Ion Ratio Lower Upper

107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

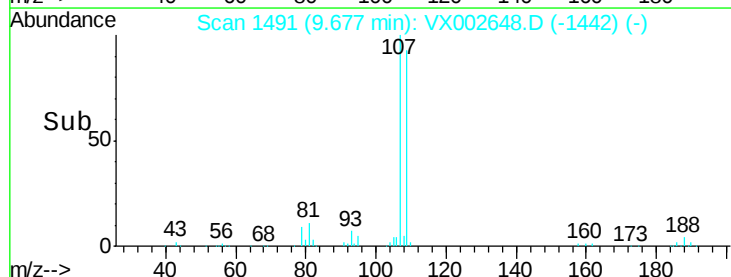
60000

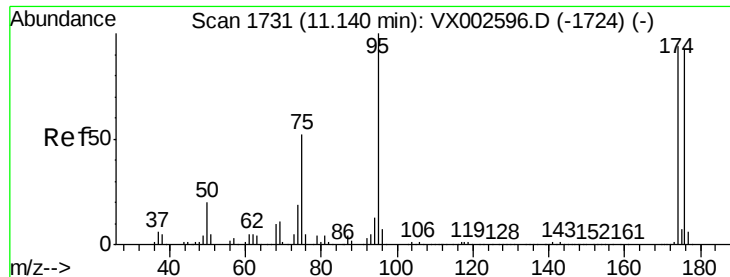
40000

20000

0

Time-->





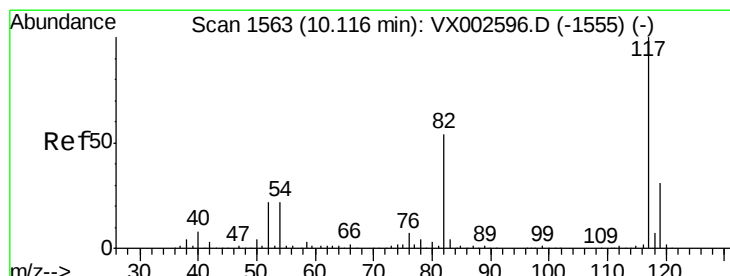
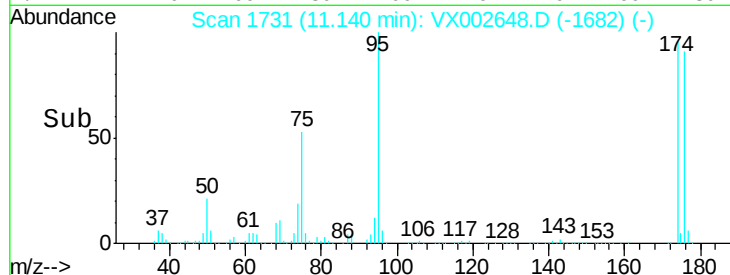
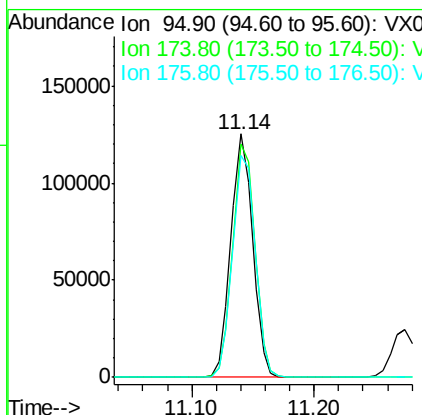
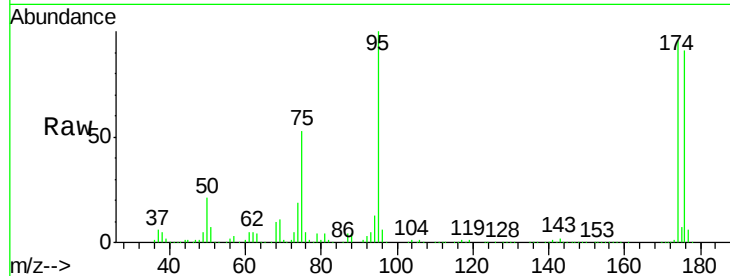
#62
4-Bromofluorobenzene
Concen: 50.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	154194		
174	98.1	0.0	187.4	
176	94.9	0.0	181.0	

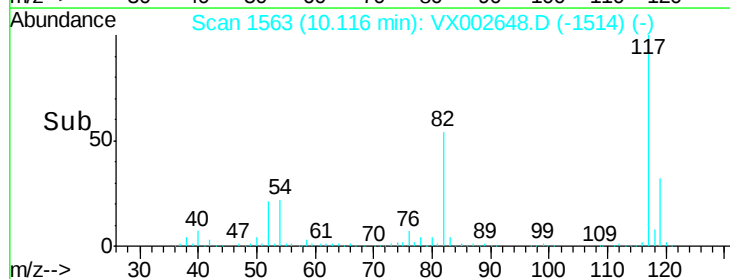
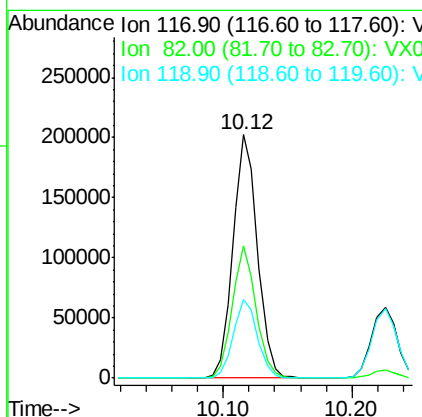
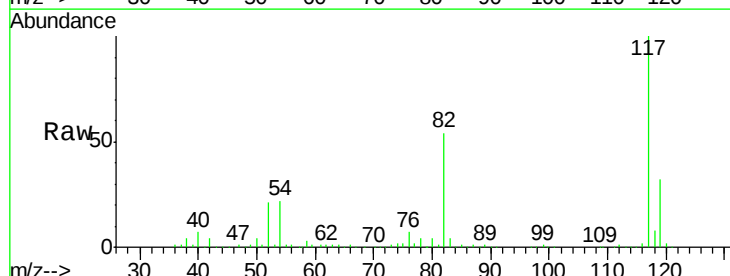
Manual Integrations
APPROVED

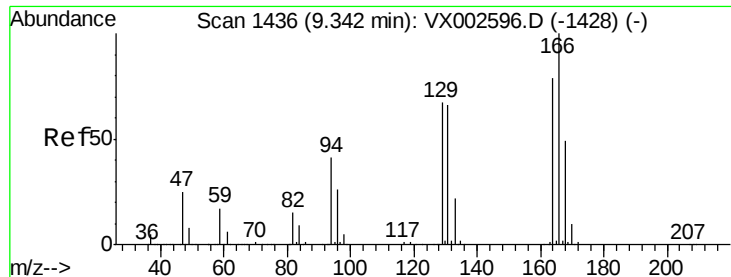
MMDadoda
6/18/2018 5:12:10 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	267565		
82	54.0	45.0	67.4	
119	32.1	25.8	38.6	





#64

Tetrachloroethene

Concen: 31.95 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

S36-0135MS

Tot Ion:164 Resp: 94891

Ion Ratio Lower Upper

164 100

166 132.6 102.9 154.3

129 87.2 68.6 102.8

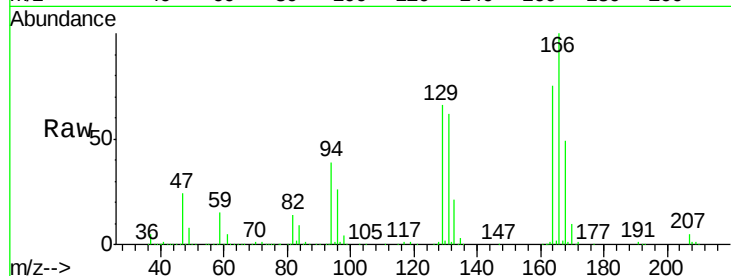
131 82.9 66.8 100.2

Manual Integrations

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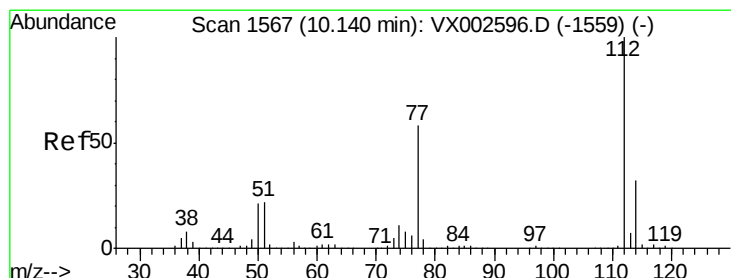
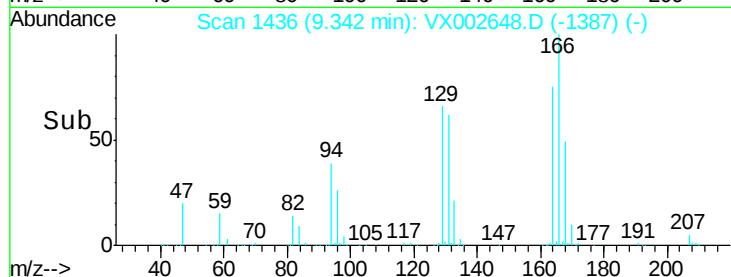
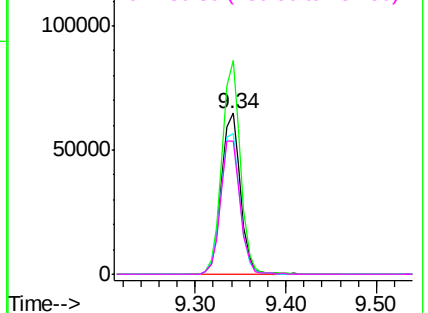


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 53.98 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002648.D

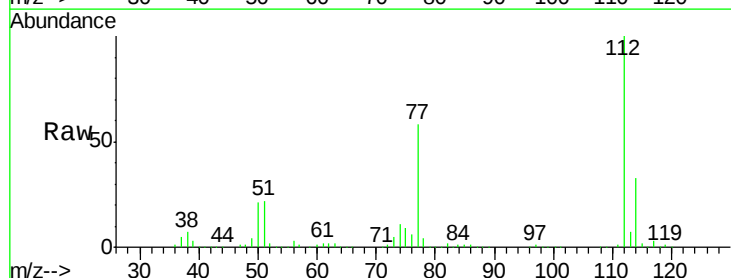
Acq: 16 Jun 2018 15:08

Tgt Ion:112 Resp: 354683

Ion Ratio Lower Upper

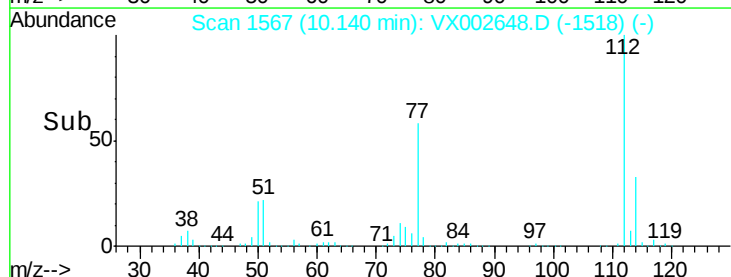
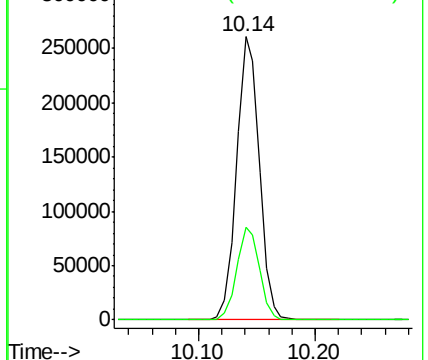
112 100

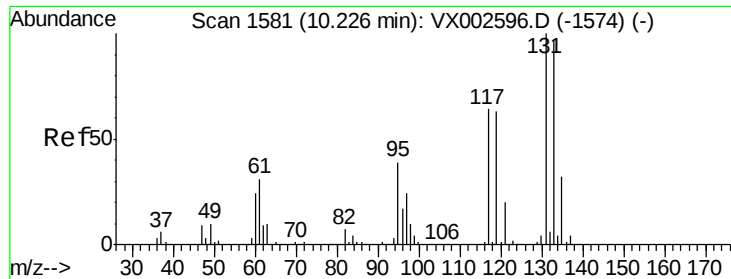
114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





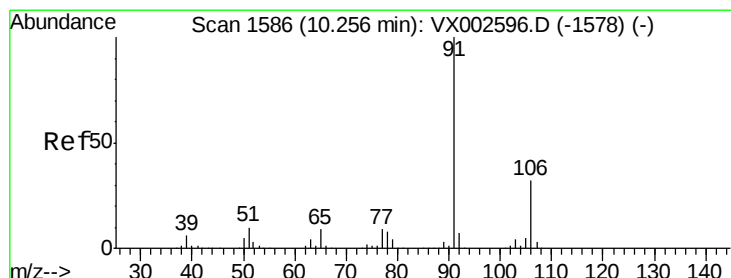
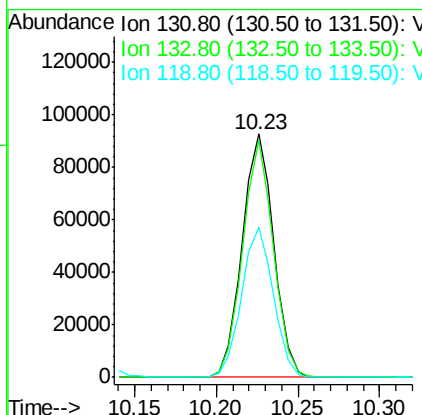
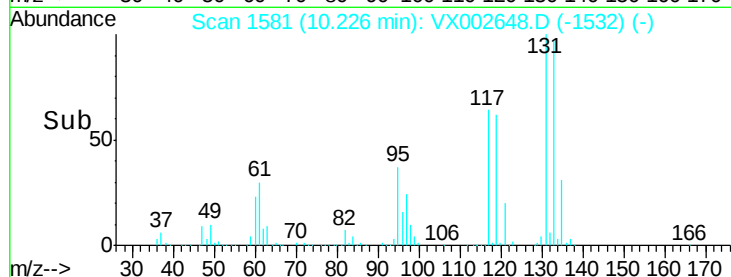
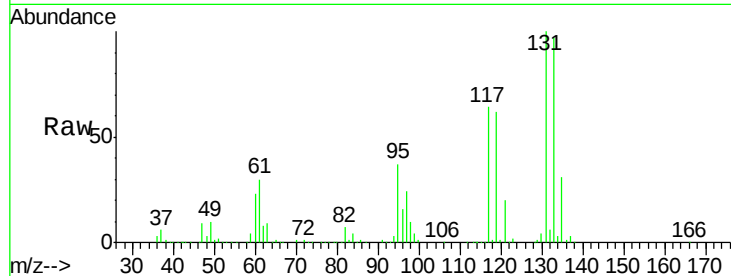
#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.75 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.6
119	62.1	31.8	95.3

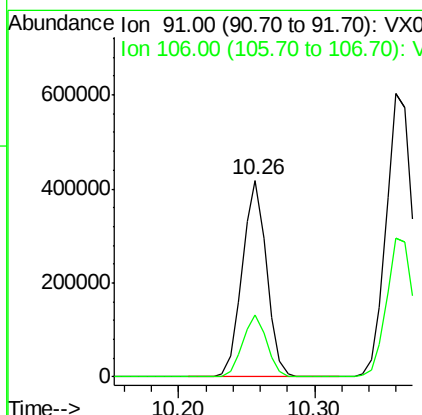
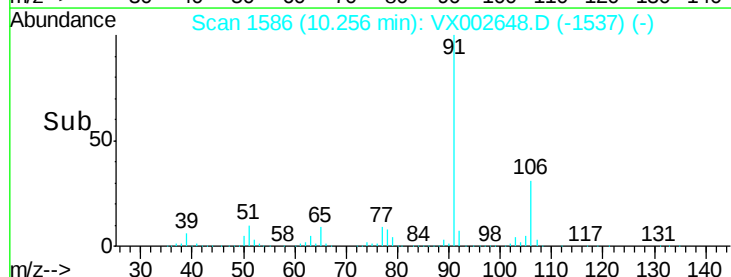
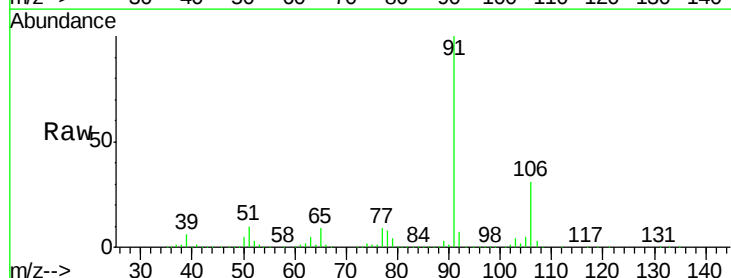
Manual Integrations
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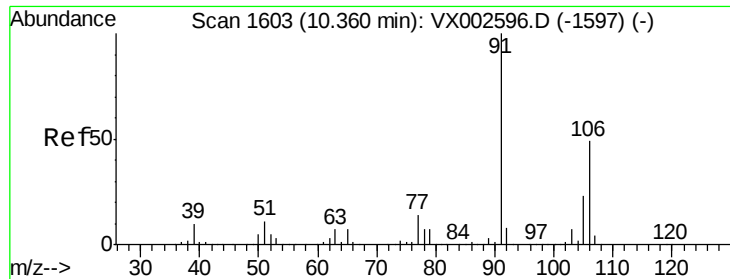
MMDadoda
 6/18/2018 5:12:10 PM



#67
 Ethyl Benzene
 Concen: 47.06 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.5	38.3





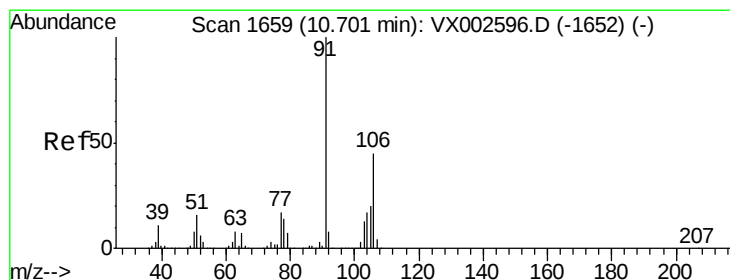
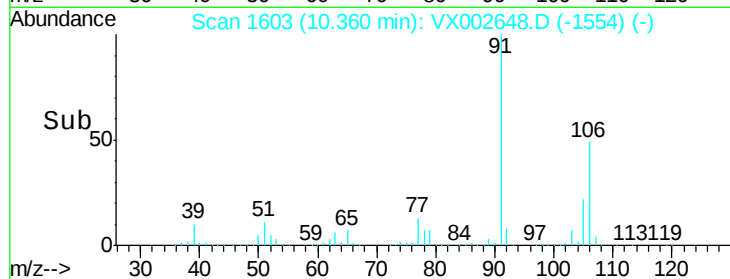
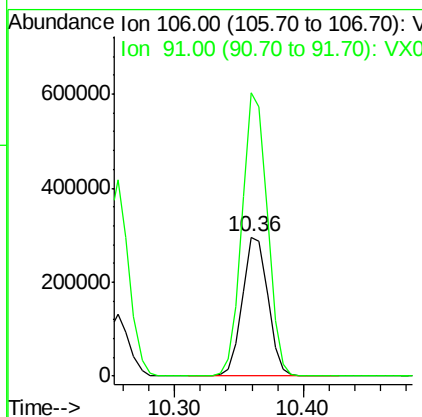
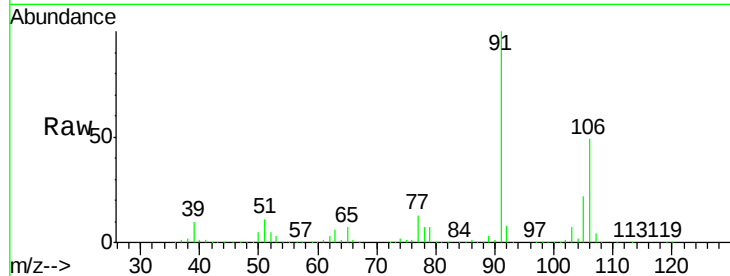
#68
m/p-Xylenes
Concen: 94.54 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampled :
S36-0135MS

Tot Ion:106 Resp: 404182
Ion Ratio Lower Upper
106 100
91 202.5 163.4 245.2

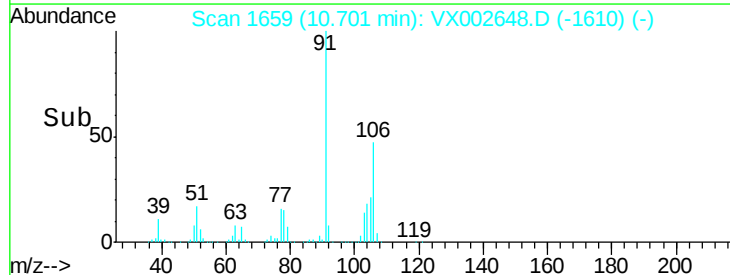
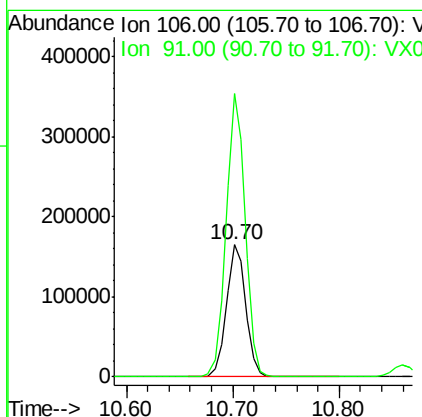
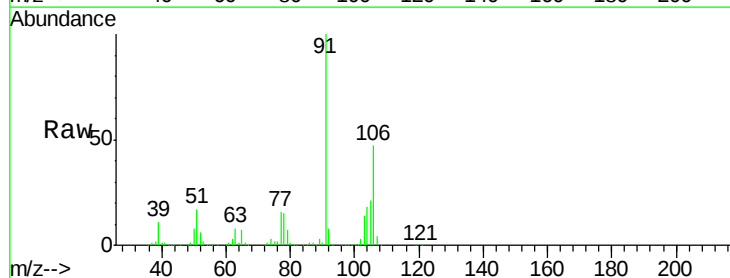
Manual Integrations
APPROVED

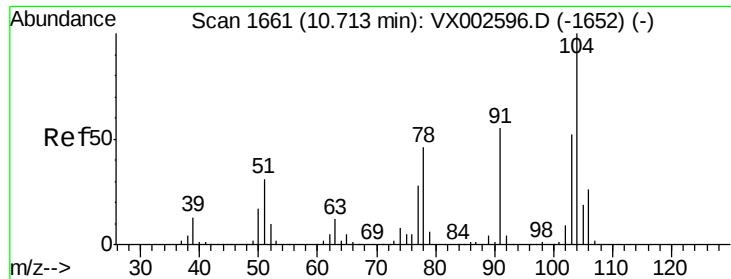
MMDadoda
6/18/2018 5:12:10 PM



#69
o-Xylene
Concen: 49.69 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion:106 Resp: 208711
Ion Ratio Lower Upper
106 100
91 211.9 108.2 324.6





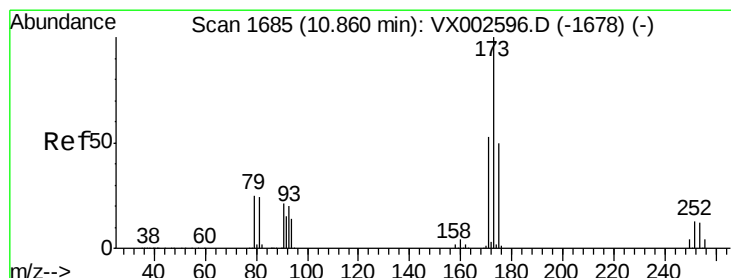
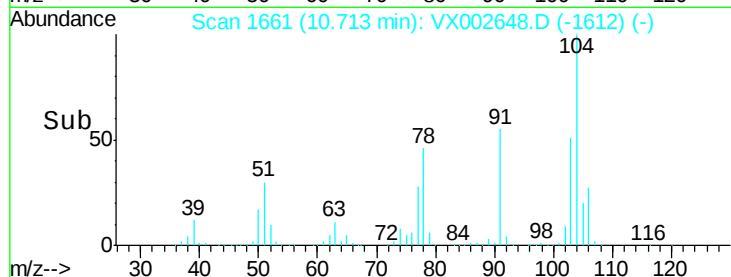
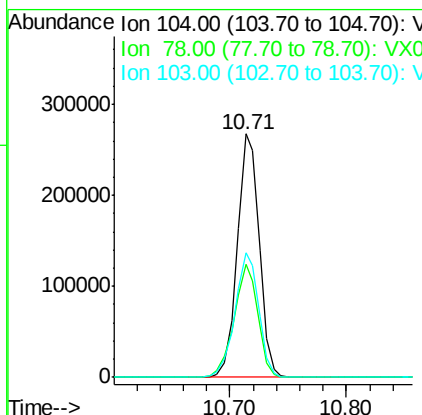
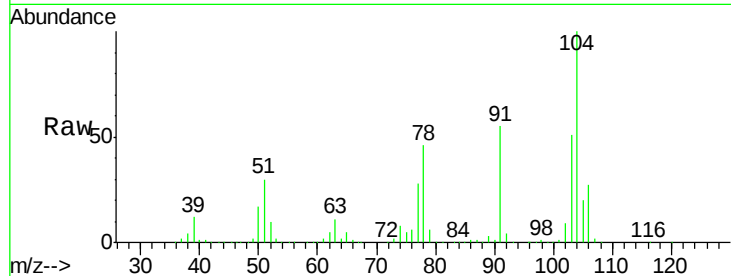
#70
Stvrene
Concen: 50.86 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.0	61.6
103	55.4	44.2	66.4

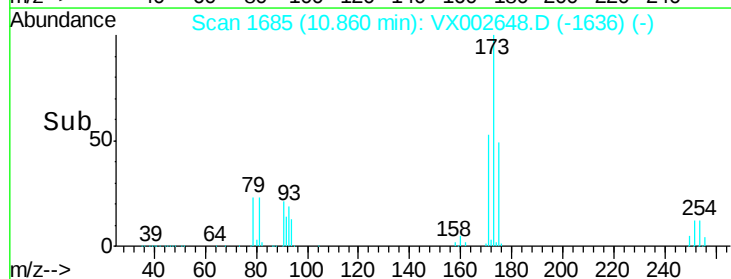
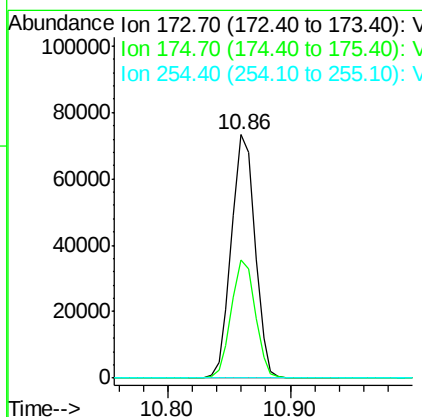
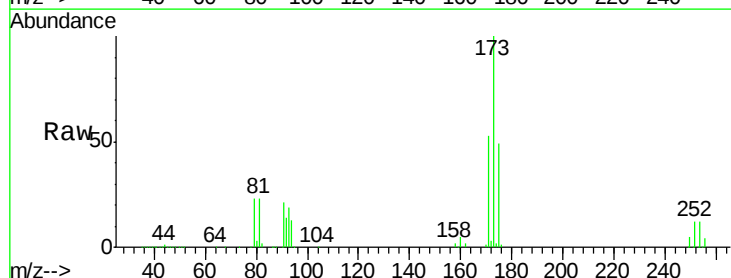
Manual Integrations
APPROVED

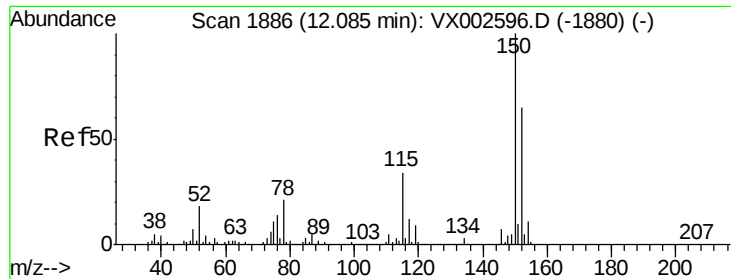
MMDadoda
6/18/2018 5:12:10 PM



#71
Bromoform
Concen: 48.11 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion:152 Resp: 165268

Ion Ratio Lower Upper

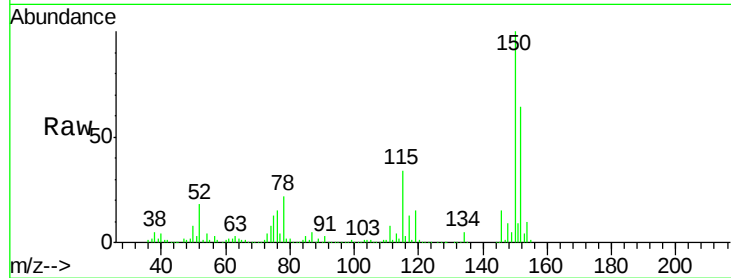
152 100

115 74.4 40.1 120.2

150 173.8 0.0 347.2

Manual Integrations
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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

250000

200000

150000

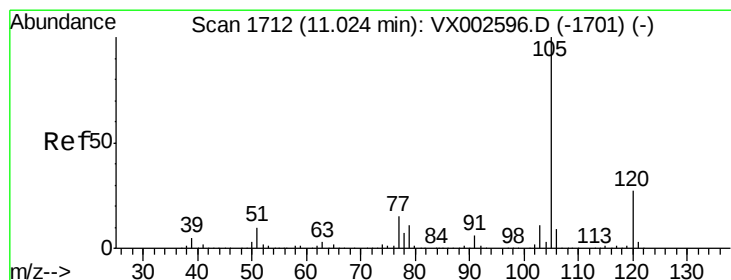
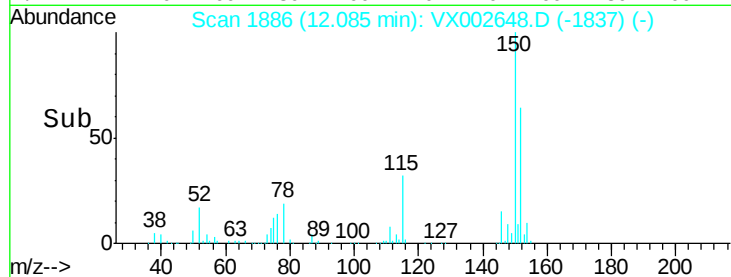
100000

50000

0

12.00 12.05 12.10 12.15

Time-->



#73

Isopropylbenzene

Concen: 45.69 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002648.D

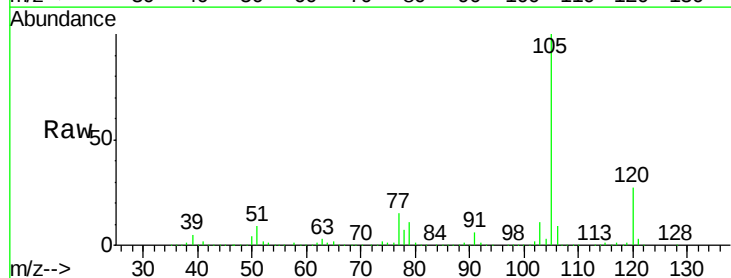
Acq: 16 Jun 2018 15:08

Tgt Ion:105 Resp: 505057

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

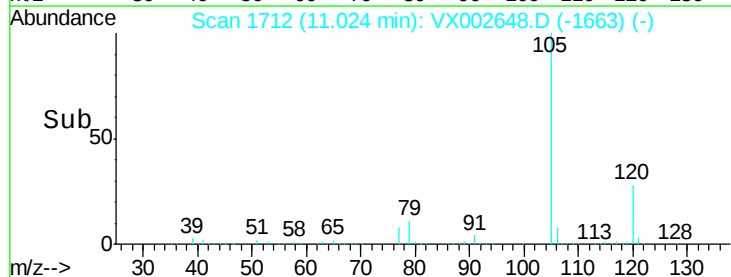
200000

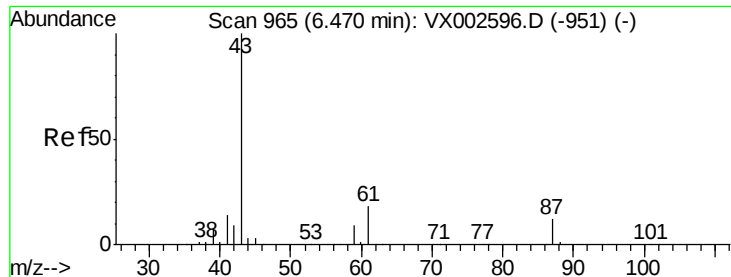
100000

0

11.00 11.10

Time-->





#74

N-amvl acetate

Concen: 47.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

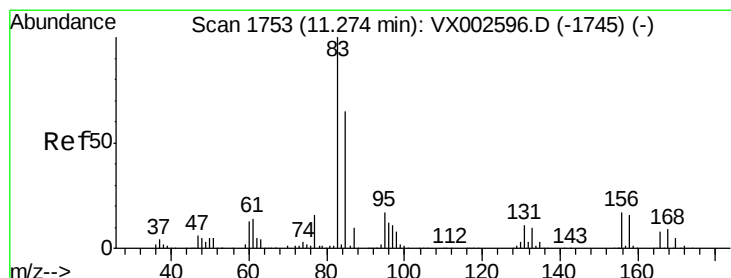
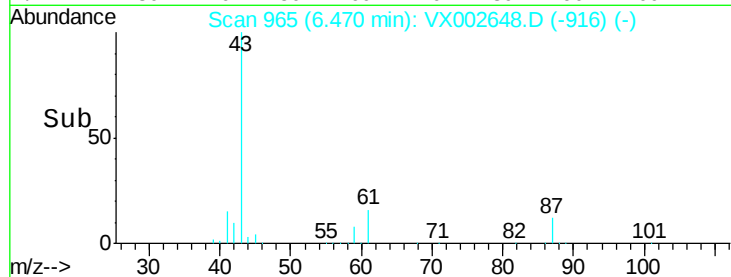
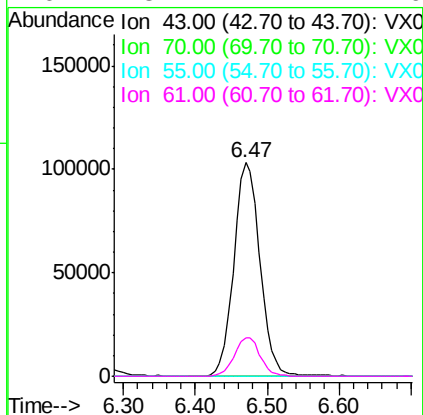
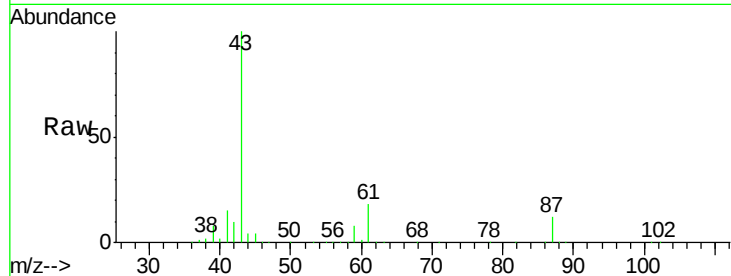
ClientSampleId :

S36-0135MS

Tot Ion	43	Resp	258716
Ion Ratio	Lower	Upper	
43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	18.1	14.4	21.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 58.72 ug/l

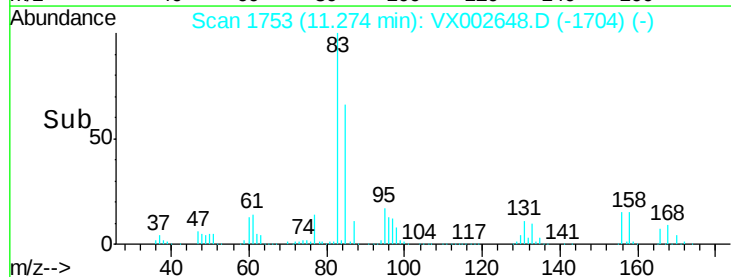
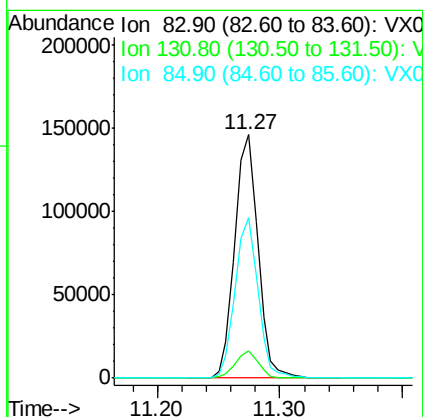
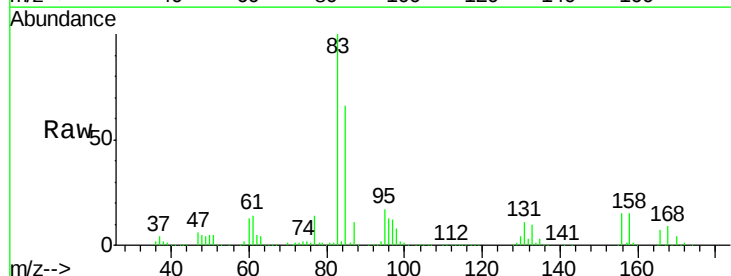
RT: 11.27 min Scan# 1753

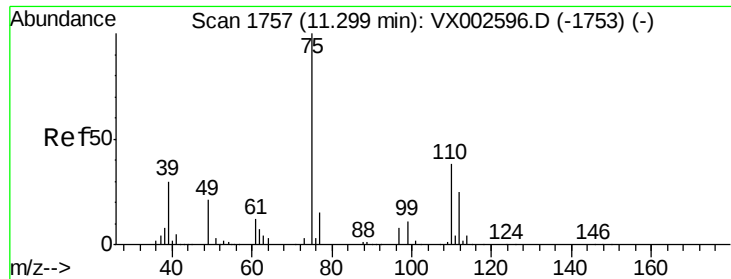
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion	83	Resp	191657
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	65.2	32.4	97.2





#76

1,2,3-Trichloropropane

Concen: 55.96 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion: 75 Resp: 174518

Ion Ratio Lower Upper

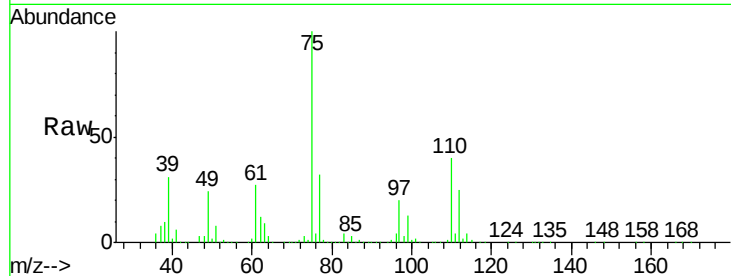
75 100

77 36.3 22.8 68.3

Manual Integrations
APPROVED

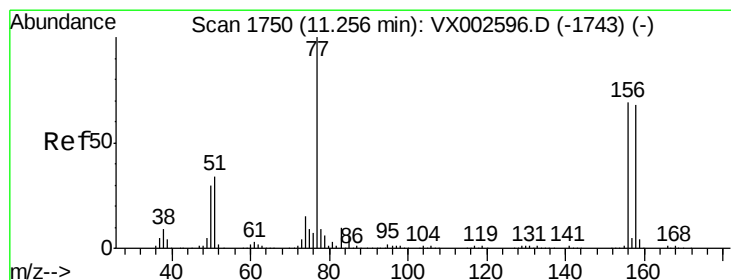
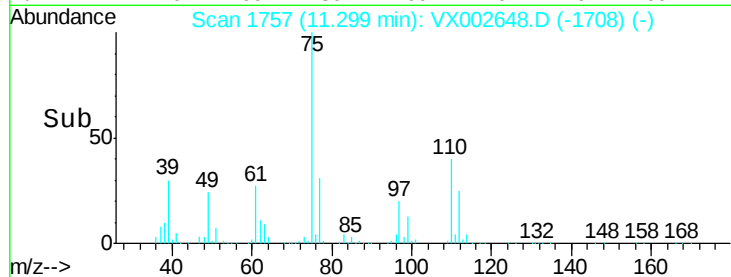
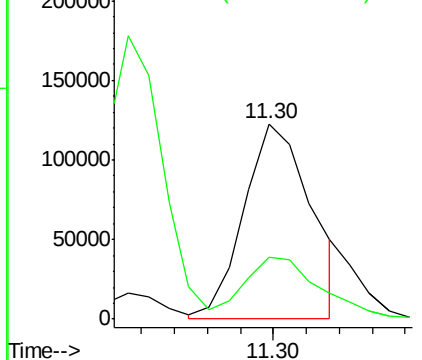
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 52.30 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

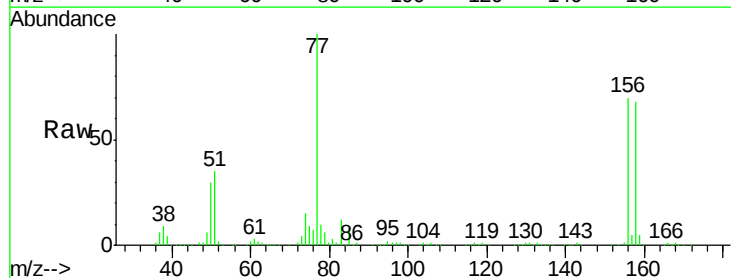
Tgt Ion: 156 Resp: 161043

Ion Ratio Lower Upper

156 100

77 136.9 71.4 214.2

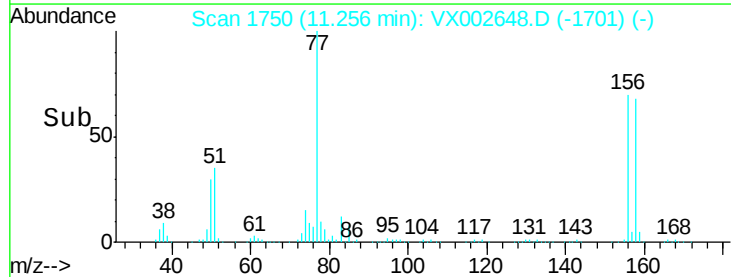
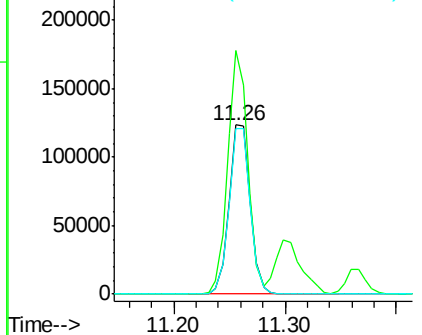
158 97.6 48.9 146.6

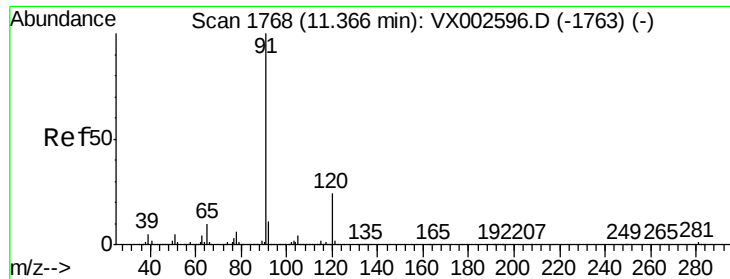


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





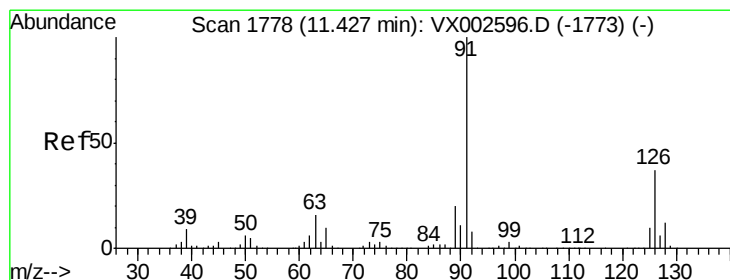
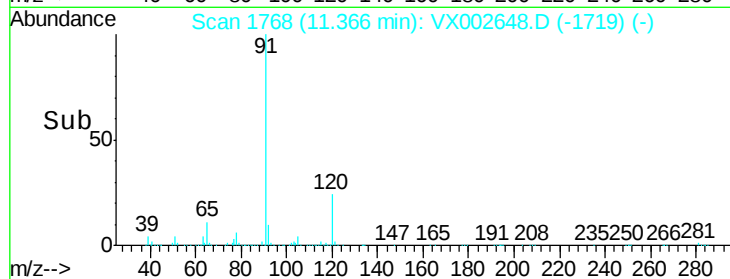
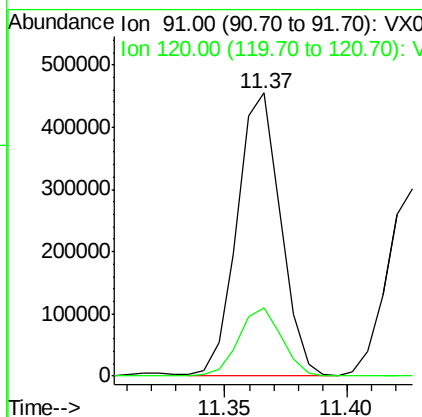
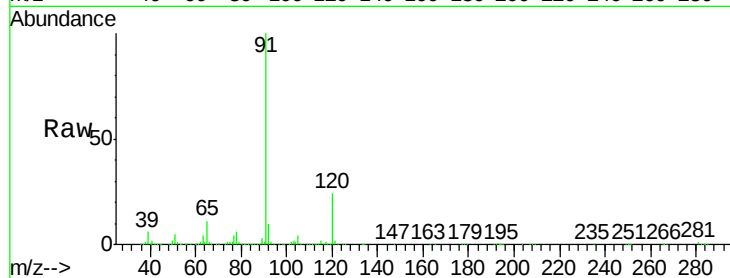
#78
n-propylbenzene
Concen: 44.03 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampled :
S36-0135MS

Tot Ion: 91 Resp: 558145
Ion Ratio Lower Upper
91 100
120 24.0 11.8 35.4

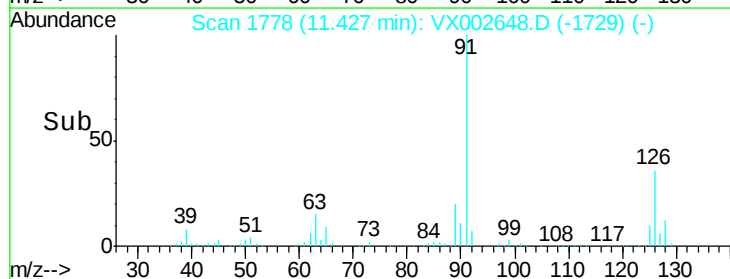
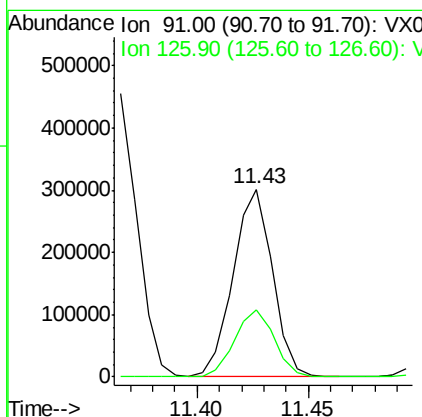
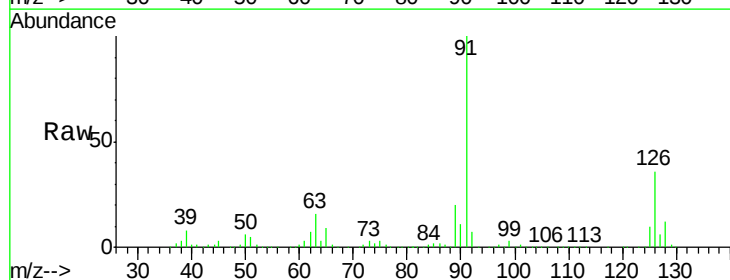
Manual Integrations
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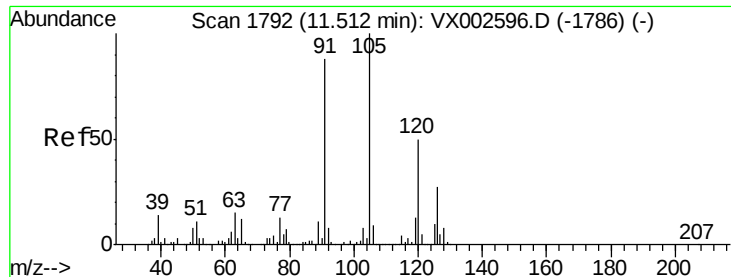
MMDadoda
6/18/2018 5:12:10 PM



#79
2-Chlorotoluene
Concen: 48.91 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion: 91 Resp: 370160
Ion Ratio Lower Upper
91 100
126 36.4 17.7 53.1





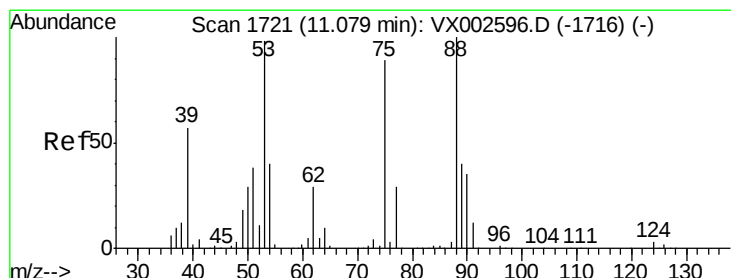
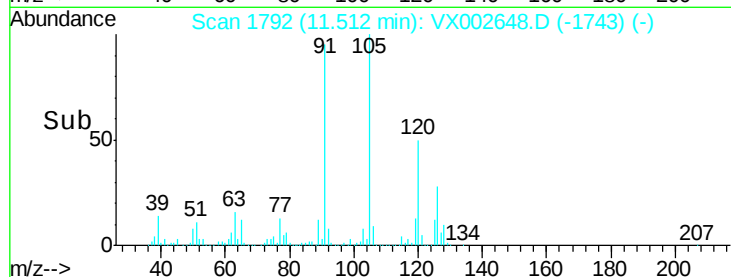
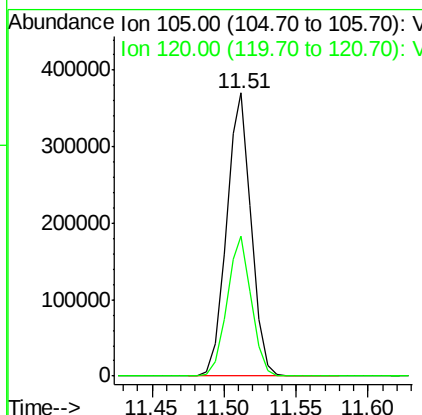
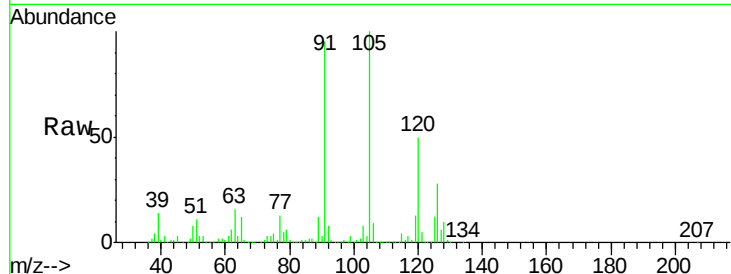
#80
 1,3,5-Trimethylbenzene
 Concen: 47.41 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	442900		
120	49.0	24.4	73.4	

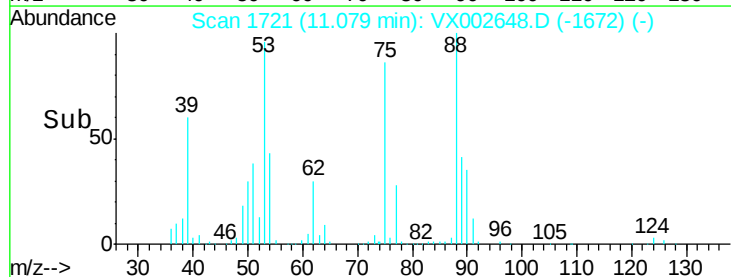
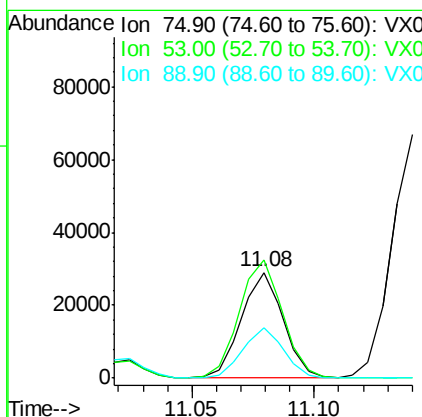
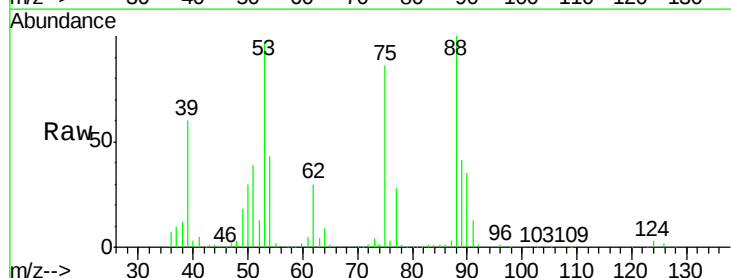
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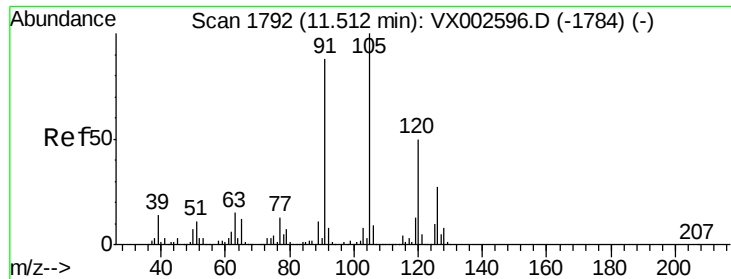
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 36.58 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34460		
53	116.4	86.8	130.2	
89	47.1	38.2	57.2	





#82

4-Chlorotoluene

Concen: 48.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MS

Tot Ion: 91 Resp: 437099

Ion Ratio Lower Upper

91 100

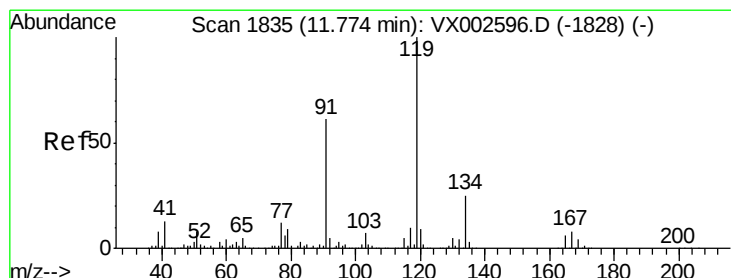
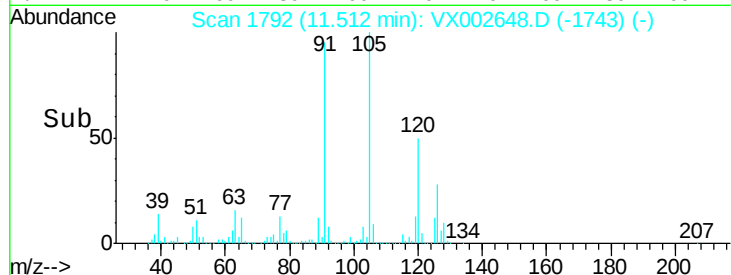
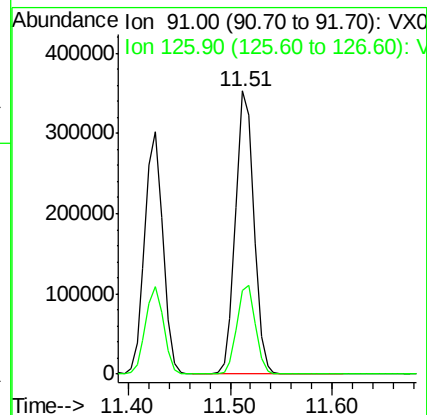
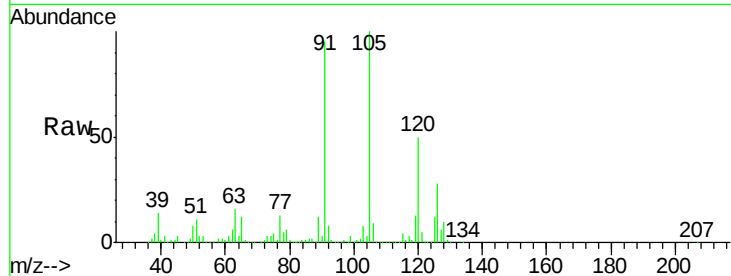
126 31.4 15.4 46.4

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.09 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

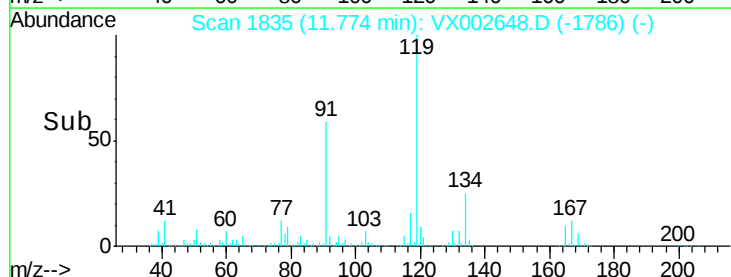
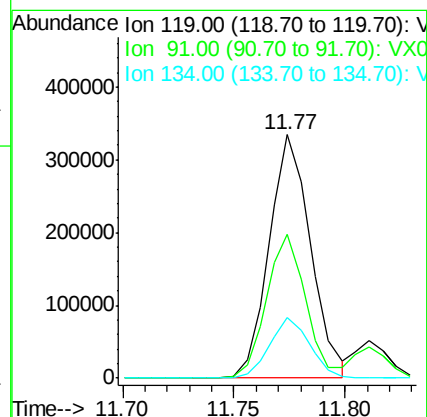
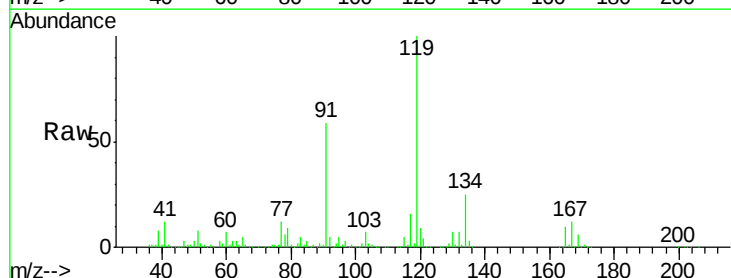
Tgt Ion: 119 Resp: 432735

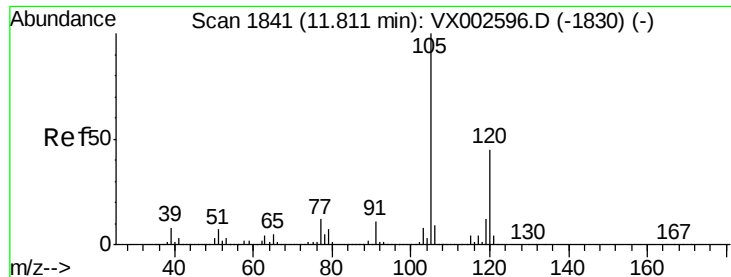
Ion Ratio Lower Upper

119 100

91 56.2 30.3 90.9

134 23.8 11.7 35.1





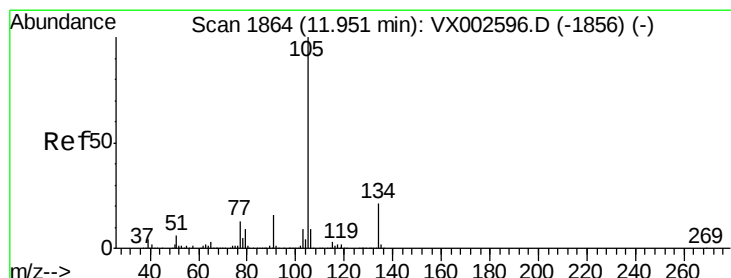
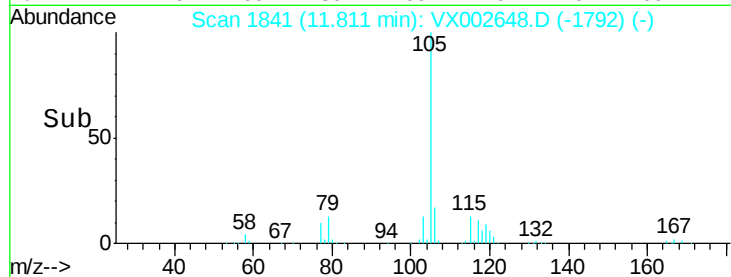
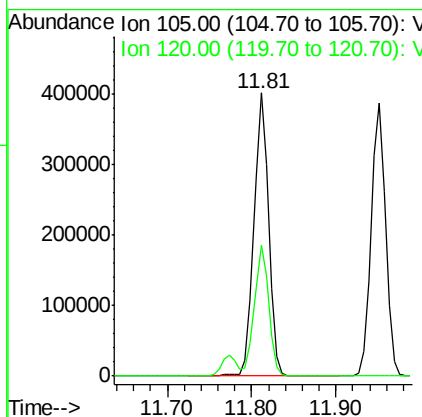
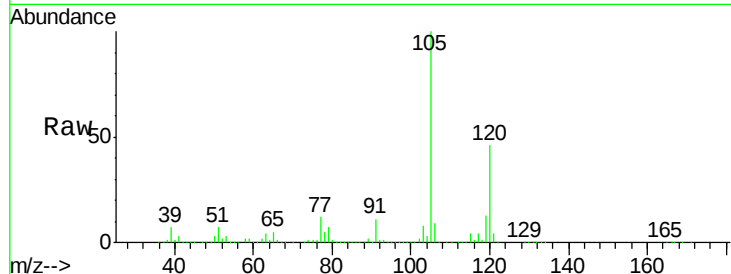
#84
 1,2,4-Trimethylbenzene
 Concen: 49.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.8

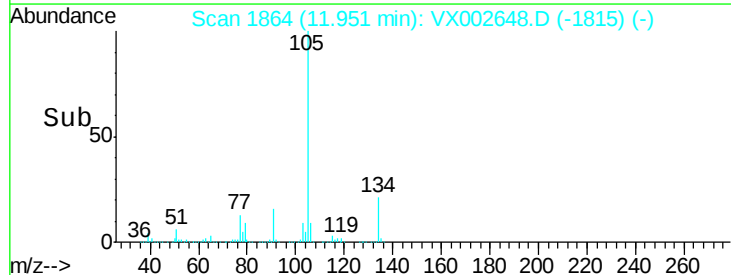
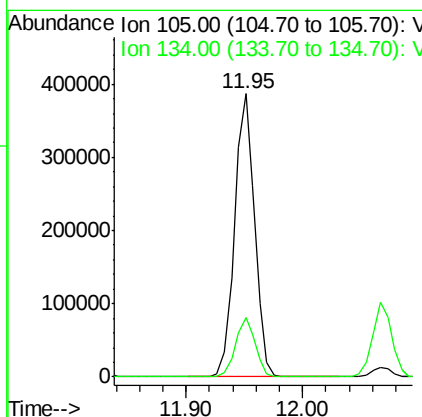
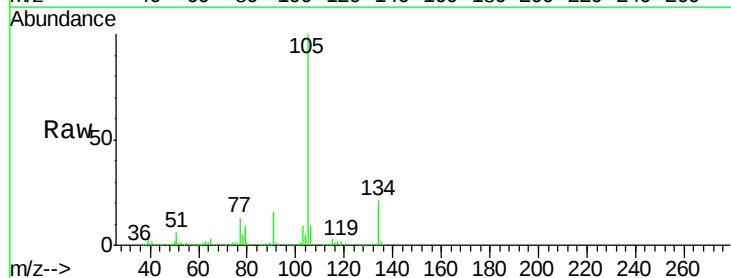
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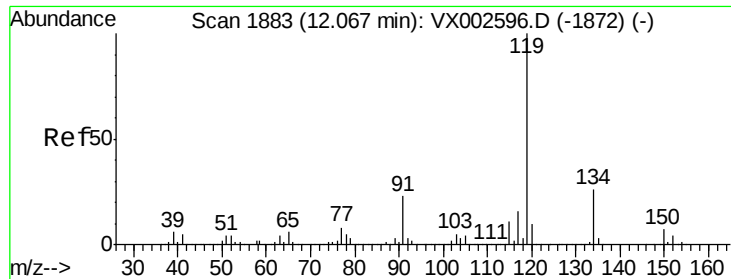
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#85
 sec-Butylbenzene
 Concen: 41.30 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.1





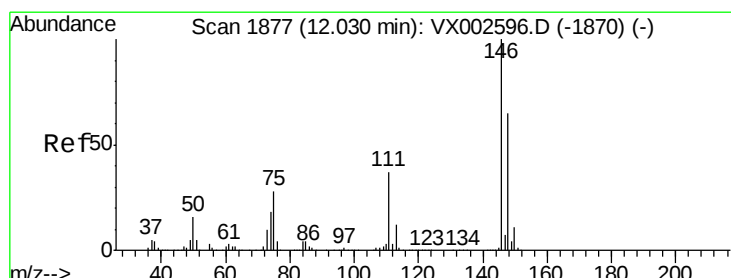
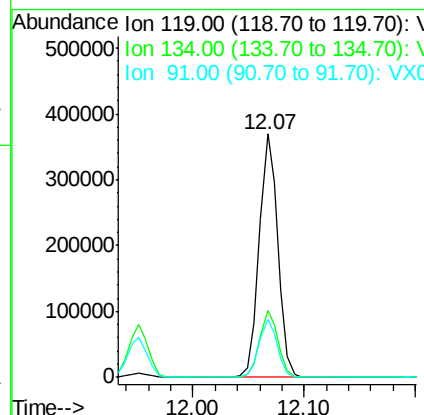
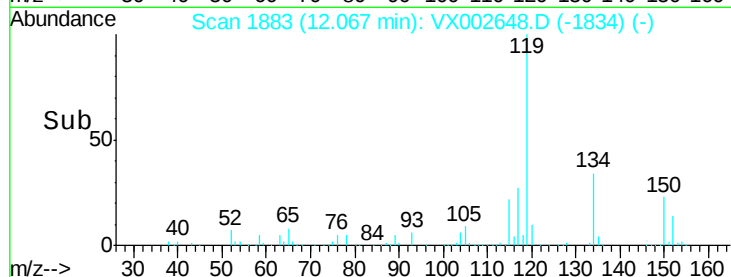
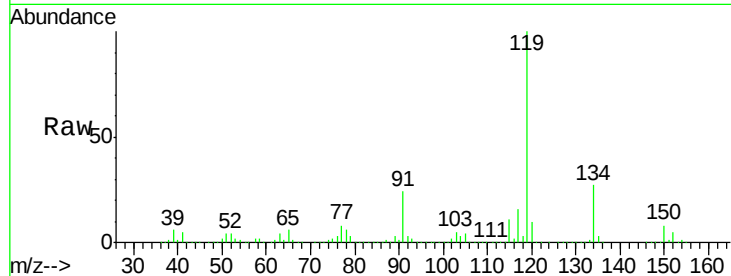
#86
 p-Isopropyltoluene
 Concen: 42.54 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	27.2	13.4	40.1
91	23.5	11.9	35.7

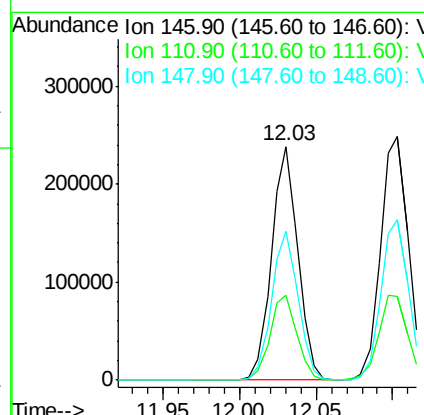
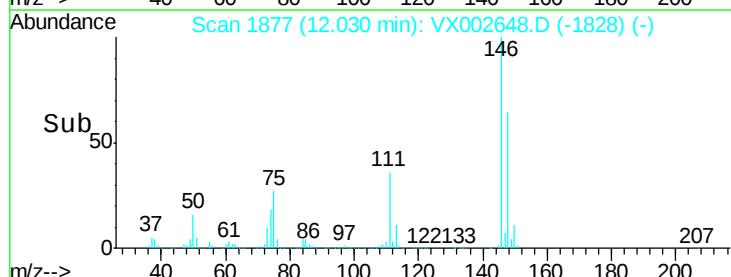
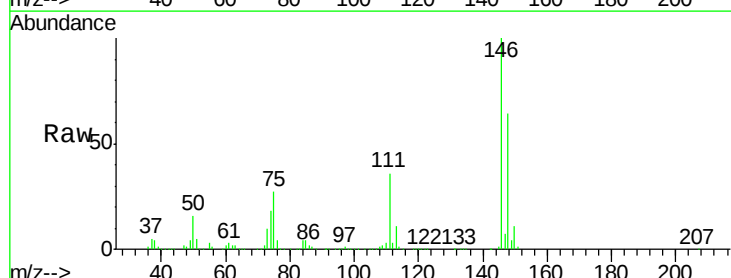
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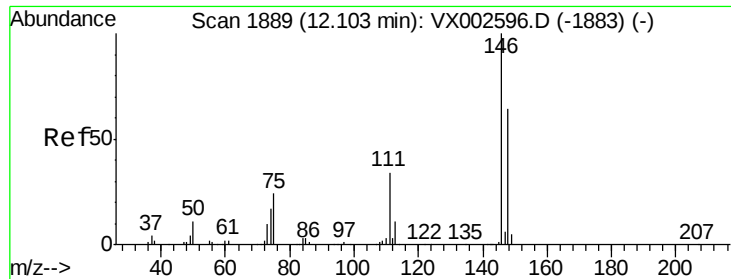
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#87
 1,3-Dichlorobenzene
 Concen: 50.75 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	37.2	18.9	56.7
148	64.1	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 54.38 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

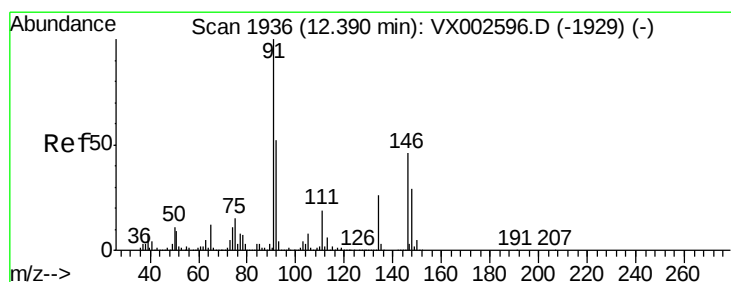
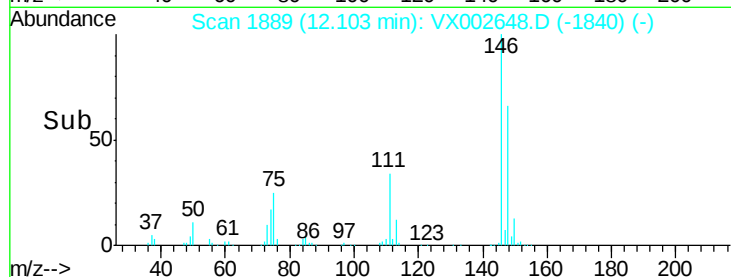
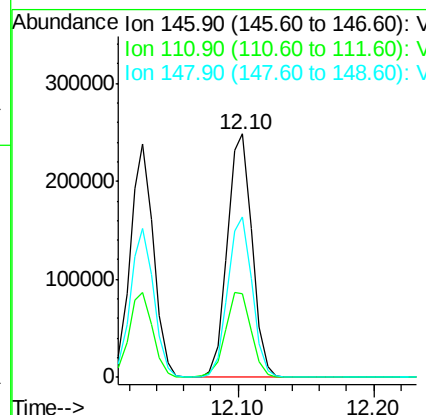
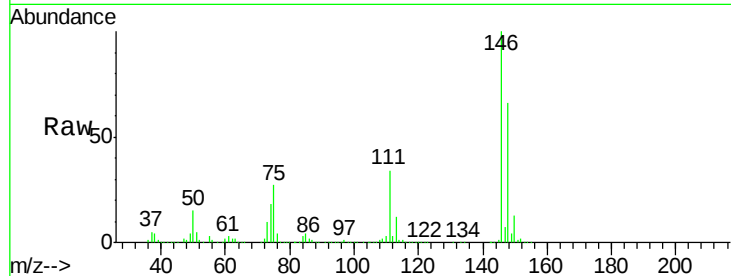
ClientSampleId :

S36-0135MS

Tot Ion:	146	Resp:	312459
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.7	56.1
148	65.2	32.4	97.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 37.92 ug/l

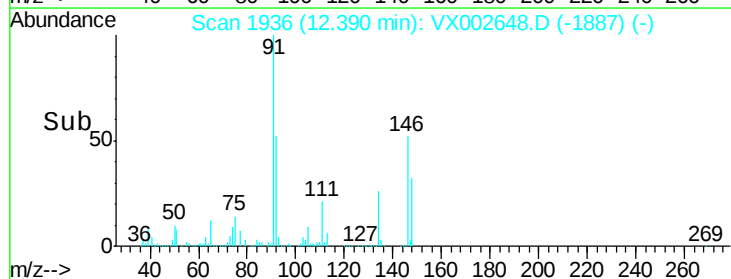
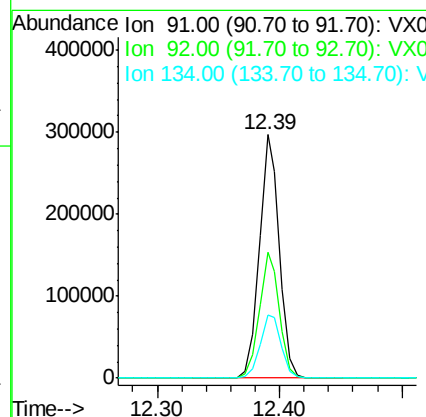
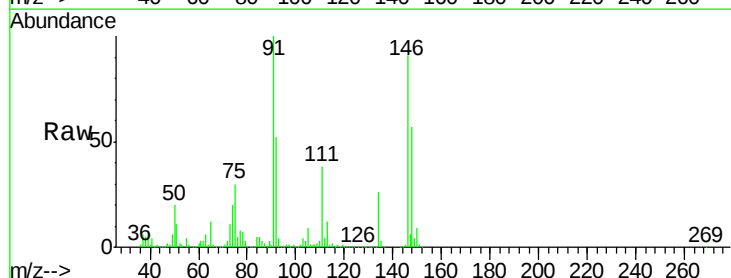
RT: 12.39 min Scan# 1936

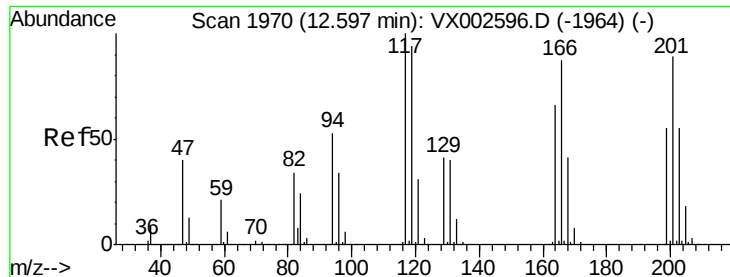
Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Tgt Ion:	91	Resp:	338715
Ion Ratio	Lower	Upper	
91	100		
92	51.7	26.0	78.0
134	27.4	13.5	40.5





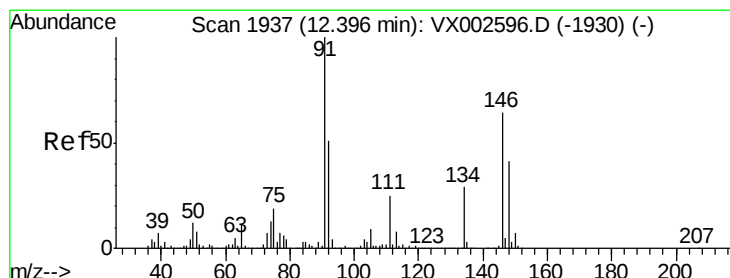
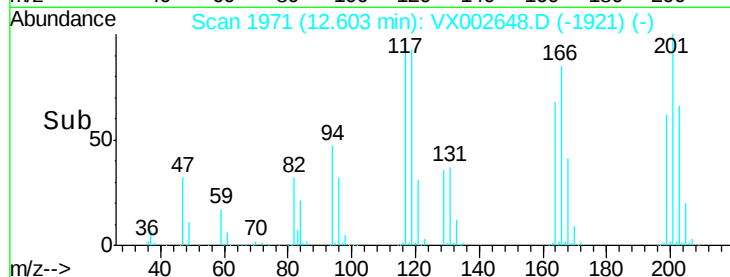
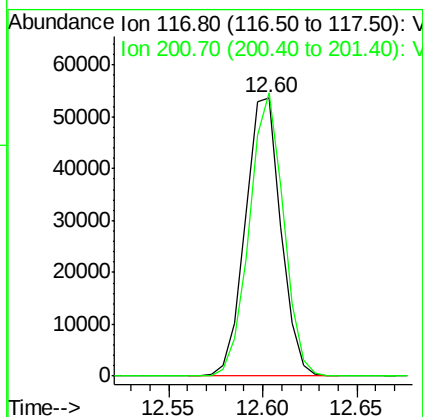
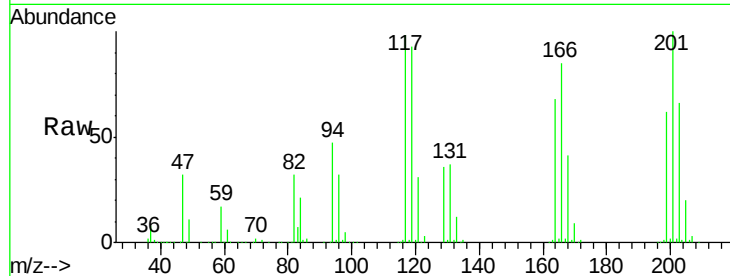
#90
Hexachloroethane
Concen: 44.74 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MS

Tot Ion:117 Resp: 70155
Ion Ratio Lower Upper
117 100
201 97.6 49.0 147.0

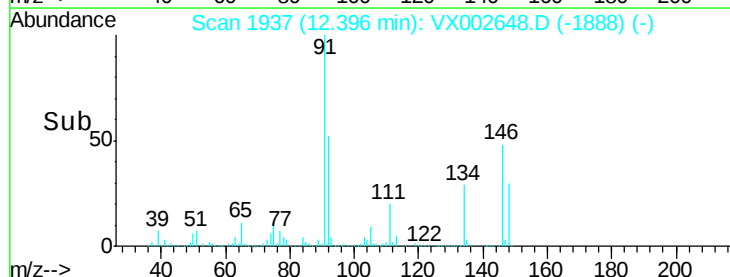
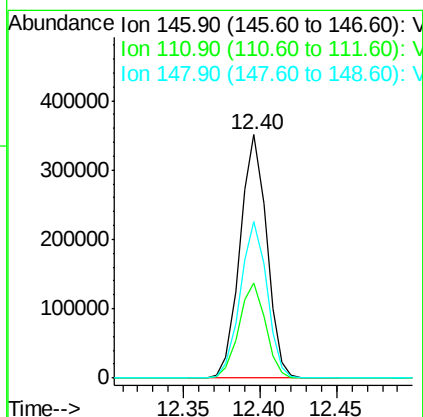
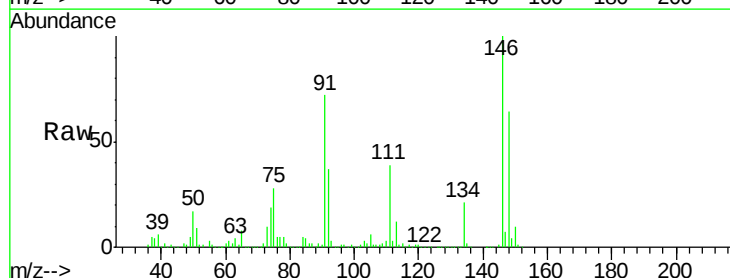
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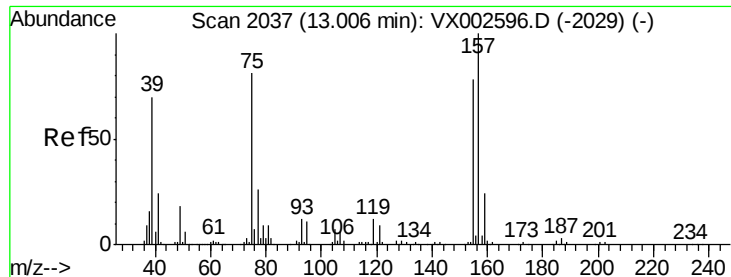
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#91
1,2-Dichlorobenzene
Concen: 74.66 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002648.D
Acq: 16 Jun 2018 15:08

Tgt Ion:146 Resp: 424378
Ion Ratio Lower Upper
146 100
111 38.9 19.4 58.1
148 64.2 31.7 95.1





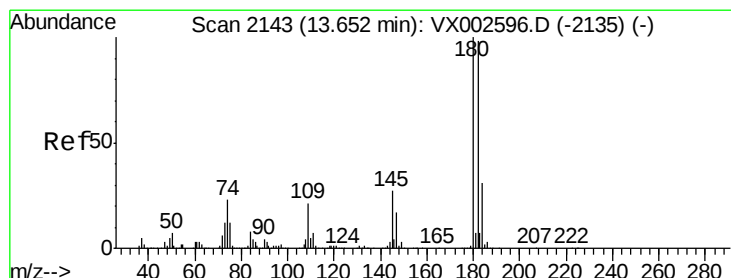
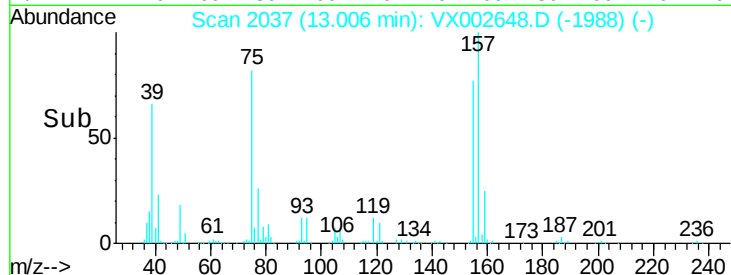
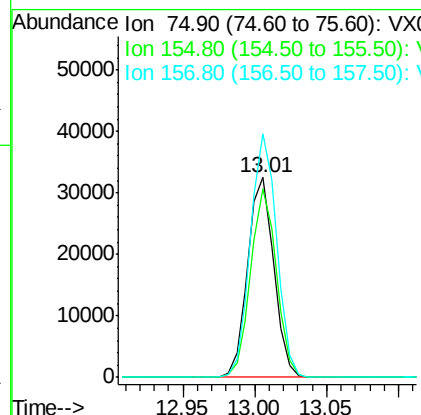
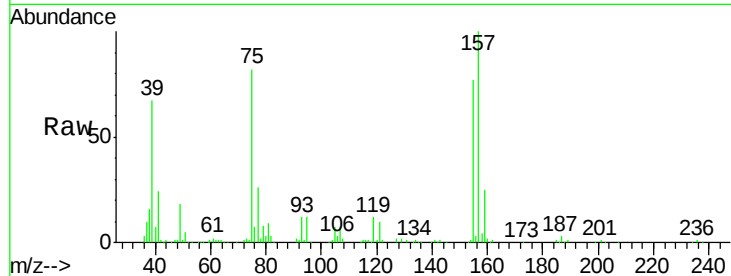
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.74 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	92.5	45.8	137.4
157	121.0	60.1	180.3

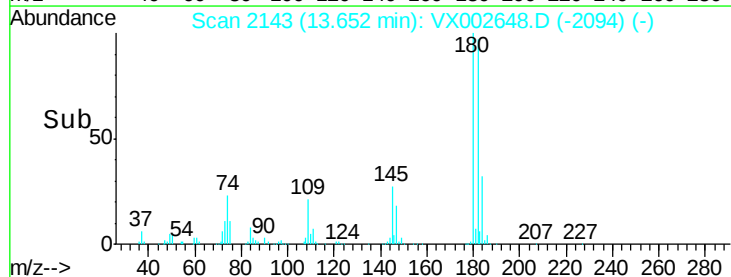
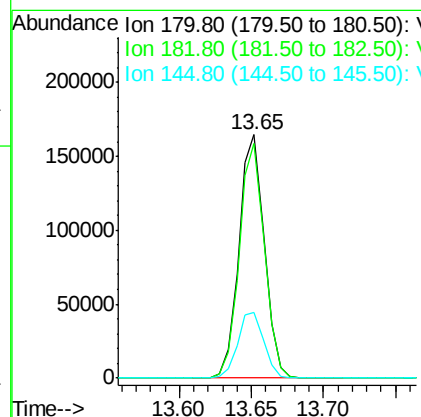
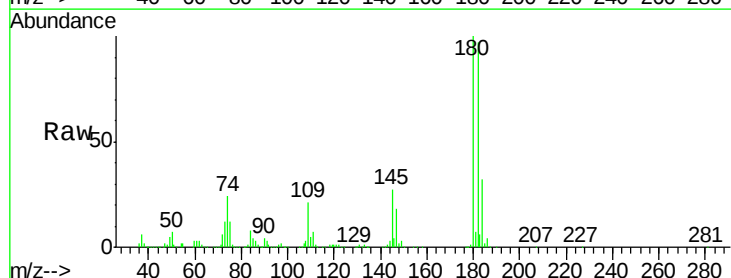
Manual Integrations
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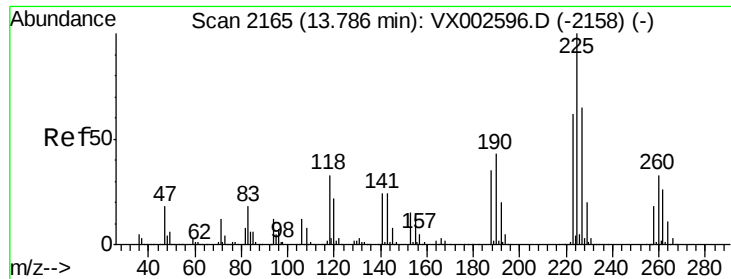
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#93
 1,2,4-Trichlorobenzene
 Concen: 48.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.7	143.1
145	27.8	14.1	42.4





#94

Hexachlorobutadiene

Concen: 32.99 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002648.D

Acq: 16 Jun 2018 15:08

Instrument :

MSVOA_X

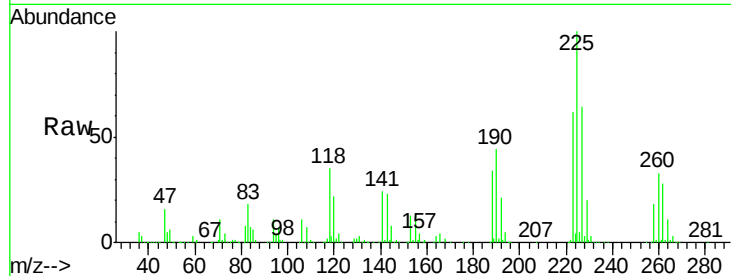
ClientSampleId :

S36-0135MS

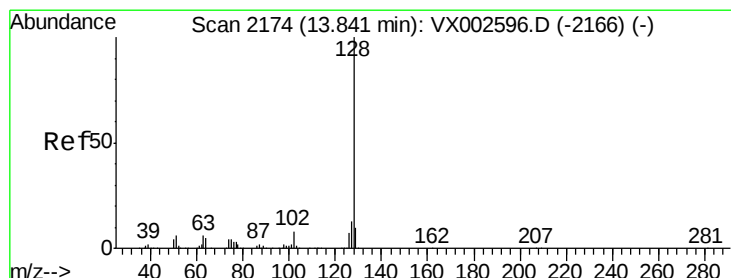
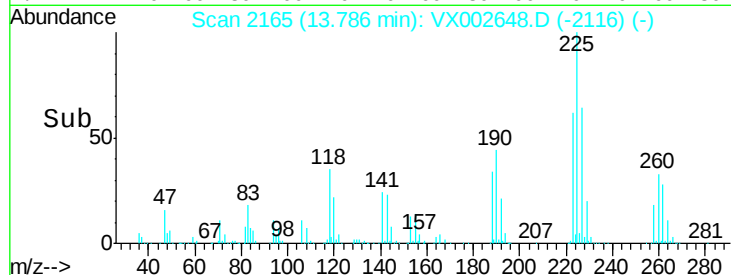
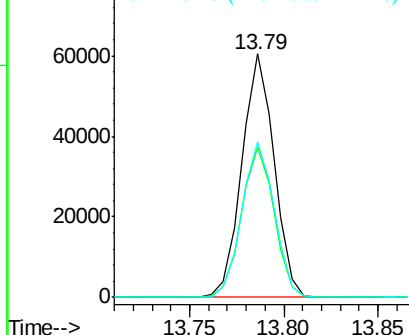
Tot Ion:	225	Resp:	71690
Ion Ratio		Lower	Upper
225	100		
223	62.5	31.6	95.0
227	64.1	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:10 PM



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



#95

Naphthalene

Concen: 56.09 ug/l

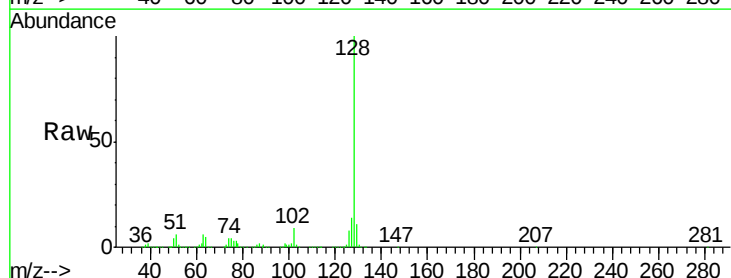
RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

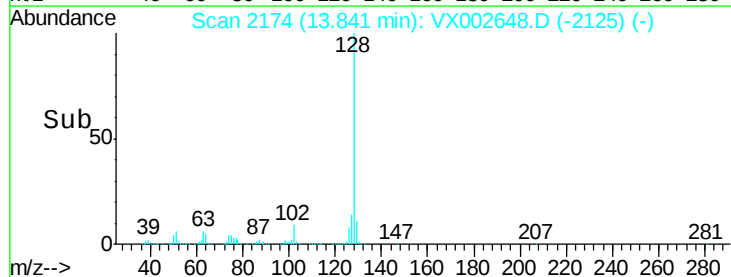
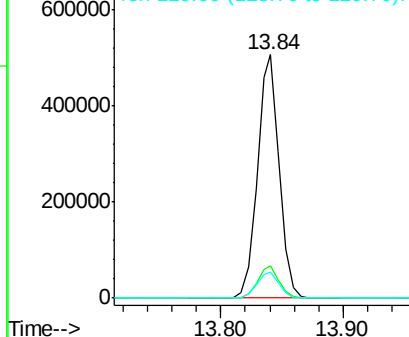
Lab File: VX002648.D

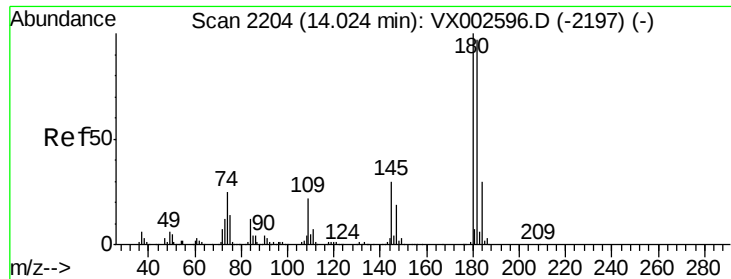
Acq: 16 Jun 2018 15:08

Tgt Ion:	128	Resp:	622620
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 51.59 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002648.D
 Acq: 16 Jun 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.7	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:10 PM

