

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002835.D
 Acq On : 22 Jun 2018 16:31
 Operator : JC/MD
 Sample : VSTDCCC0050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 6:56:06 PM

Quant Time: Jun 23 00:33:00 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	257586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165818	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	
35) Dibromofluoromethane	5.51	113	133863	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	8.72	98	484219	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.14	95	196247	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130796	47.83	ug/l	99
3) Chloromethane	1.32	50	137974	42.42	ug/l	100
4) Vinyl Chloride	1.40	62	149112	44.17	ug/l	100
5) Bromomethane	1.64	94	155209	76.21	ug/l	99
6) Chloroethane	1.71	64	96443	43.35	ug/l	100
7) Trichlorofluoromethane	1.92	101	267935	48.86	ug/l	98
8) Diethyl Ether	2.19	74	94888	45.49	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	152841	49.86	ug/l	100
10) Methyl Iodide	2.51	142	204840	49.56	ug/l	100
11) Tert butyl alcohol	3.07	59	175941	217.43	ug/l	99
12) 1,1-Dichloroethene	2.37	96	131607	45.73	ug/l	99
13) Acrolein	2.29	56	68614	182.77	ug/l	99
14) Allyl chloride	2.73	41	266463	46.63	ug/l	99
15) Acrylonitrile	3.15	53	397142	224.91	ug/l	99
16) Acetone	2.45	43	373716	216.40	ug/l	99
17) Carbon Disulfide	2.57	76	348367	51.03	ug/l	99
18) Methyl Acetate	2.78	43	228588	49.68	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	490845	45.46	ug/l	99
20) Methylene Chloride	2.85	84	150503	42.50	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	144490	46.27	ug/l	99
22) Diisopropyl ether	3.87	45	521908	50.48	ug/l	97
23) Vinyl Acetate	3.82	43	2202268	254.49	ug/l	99
24) 1,1-Dichloroethane	3.70	63	278739	49.67	ug/l	99
25) 2-Butanone	4.71	43	571725	252.09	ug/l	98
26) 2,2-Dichloropropane	4.59	77	224945	55.79	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	161188	50.74	ug/l	97
28) Bromochloromethane	5.02	49	120322	45.78	ug/l	95
29) Tetrahydrofuran	5.16	42	369459	248.56	ug/l	97
30) Chloroform	5.21	83	284284	52.53	ug/l	97
31) Cyclohexane	5.57	56	242246	52.43	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	251928	55.66	ug/l	100
36) 1,1-Dichloropropene	5.80	75	209498	57.64	ug/l	98
37) Ethyl Acetate	4.86	43	224487	54.57	ug/l	100
38) Carbon Tetrachloride	5.78	117	229363	63.37	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	256566	60.38	ug/l	97
40) Benzene	6.14	78	612441	56.20	ug/l	99
41) Methacrylonitrile	5.06	41	129450	55.73	ug/l	99
42) 1,2-Dichloroethane	6.20	62	240058	56.89	ug/l	100
43) Isopropyl Acetate	6.46	43	377518	55.39	ug/l	100
44) Trichloroethene	7.21	130	181239	57.62	ug/l	98
45) 1,2-Dichloropropane	7.52	63	161843	56.42	ug/l	100
46) Dibromomethane	7.67	93	111133	57.92	ug/l	98
47) Bromodichloromethane	7.90	83	214244	63.31	ug/l	98
48) Methyl methacrylate	7.78	41	201614	57.88	ug/l	98
49) 1,4-Dioxane	7.76	88	69914	1059.93	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1213597	277.31	ug/l	99
52) Toluene	8.79	92	403594	58.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	250461	55.63	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	234301	54.52	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	162558	57.87	ug/l	98
56) Ethyl methacrylate	9.18	69	244544	56.57	ug/l	97
57) 1,3-Dichloropropane	9.37	76	269033	56.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	531130	254.02	ug/l	99
59) 2-Hexanone	9.50	43	942191	285.71	ug/l	98
60) Dibromochloromethane	9.59	129	177977	55.85	ug/l	100
61) 1,2-Dibromoethane	9.68	107	173409	59.60	ug/l	100
64) Tetrachloroethene	9.34	164	208489	56.66	ug/l	98
65) Chlorobenzene	10.14	112	468073	57.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	172566	62.18	ug/l	99
67) Ethyl Benzene	10.26	91	805766	58.68	ug/l	100
68) m/p-Xylenes	10.36	106	625222	118.05	ug/l	99
69) o-Xylene	10.70	106	302737	58.18	ug/l	98
70) Styrene	10.71	104	501434	58.59	ug/l	99
71) Bromoform	10.86	173	137457	53.98	ug/l	100
73) Isopropylbenzene	11.02	105	834560	56.58	ug/l	100
74) N-amyl acetate	6.46	43	377518	51.52	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	242520	55.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	216693m	52.07	ug/l	
77) Bromobenzene	11.26	156	227467	55.36	ug/l	98
78) n-propylbenzene	11.37	91	964007	56.99	ug/l	99
79) 2-Chlorotoluene	11.43	91	559744	55.42	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	711380	57.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	69877	53.42	ug/l	95
82) 4-Chlorotoluene	11.51	91	673884	56.55	ug/l	99
83) tert-Butylbenzene	11.77	119	692191	57.64	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	735758	57.85	ug/l	99
85) sec-Butylbenzene	11.95	105	851641	57.04	ug/l	99
86) p-Isopropyltoluene	12.07	119	785992	58.18	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	425252	56.43	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	429514	56.02	ug/l	99
89) n-Butylbenzene	12.39	91	688833	57.80	ug/l	99
90) Hexachloroethane	12.60	117	115383	54.54	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	424687	55.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55091	60.38	ug/l	98

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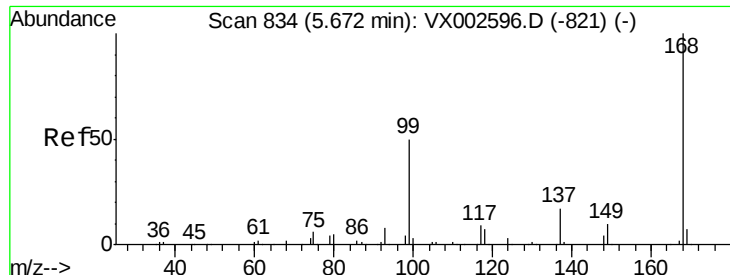
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	322229	58.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	167564	57.79	ug/l	99
95) Naphthalene	13.84	128	866128	58.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	319527	57.80	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: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 257586

Ion Ratio Lower Upper

168 100

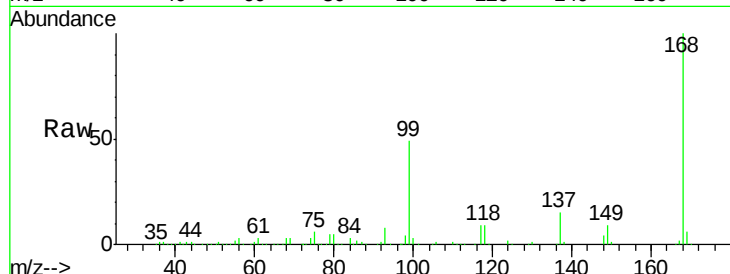
99 48.7 39.3 58.9

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

100000

80000

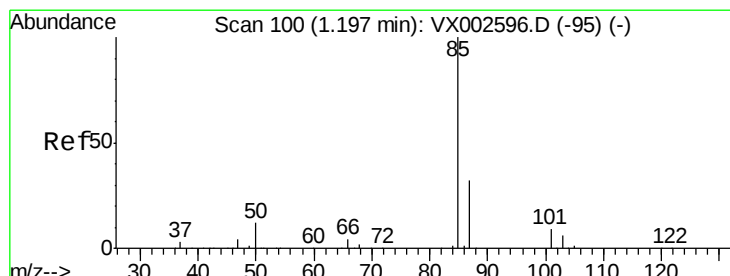
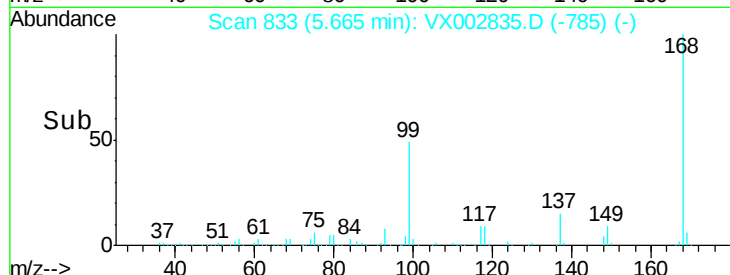
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002835.D

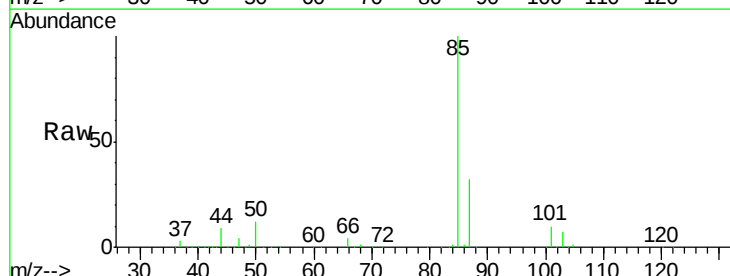
Acq: 22 Jun 2018 16:31

Tgt Ion: 85 Resp: 130796

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

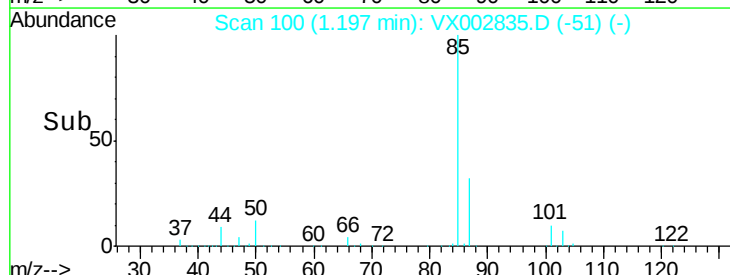
1.20

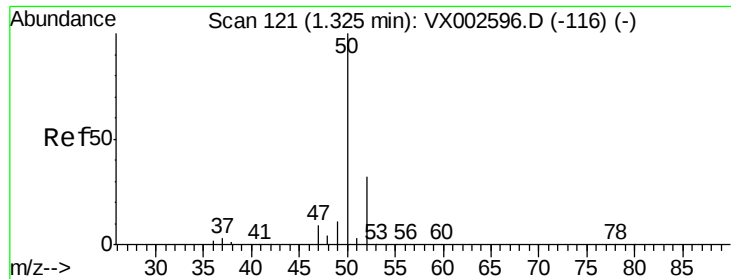
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.42 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137974

Ion Ratio Lower Upper

50 100

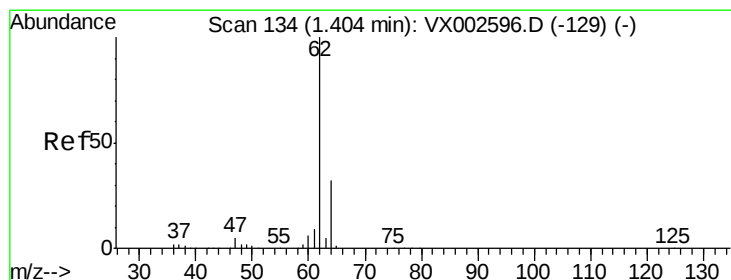
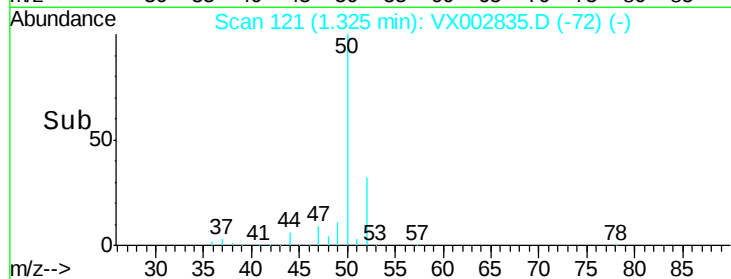
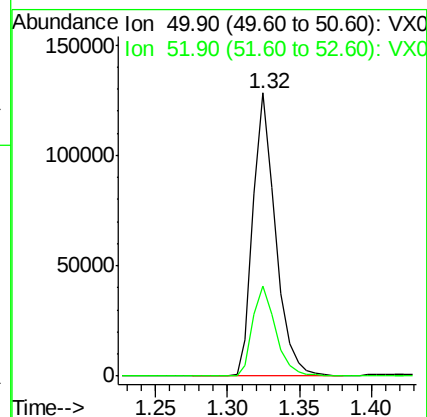
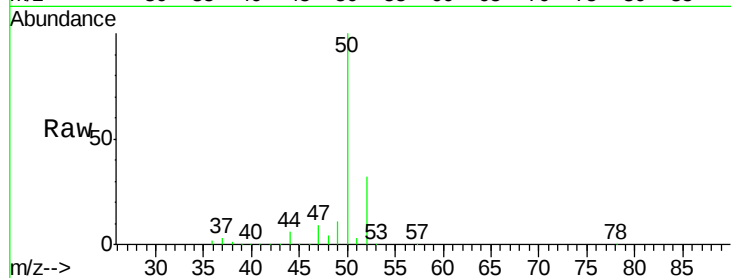
52 32.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.17 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002835.D

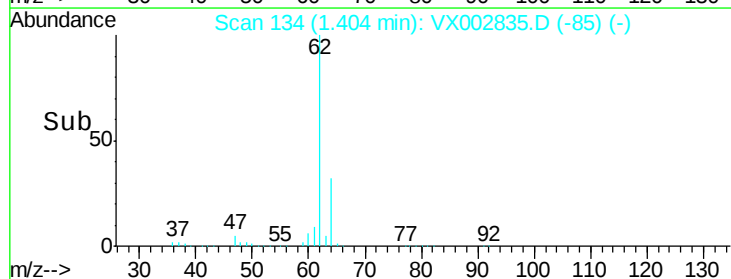
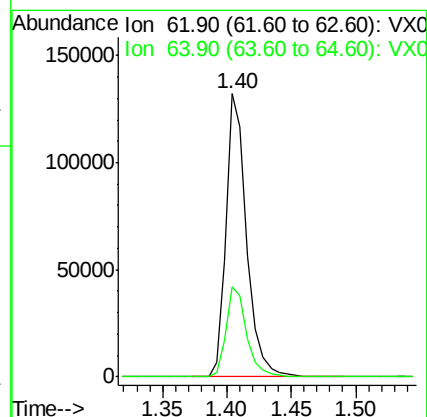
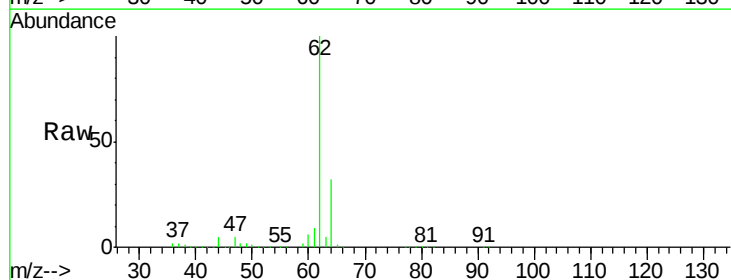
Acq: 22 Jun 2018 16:31

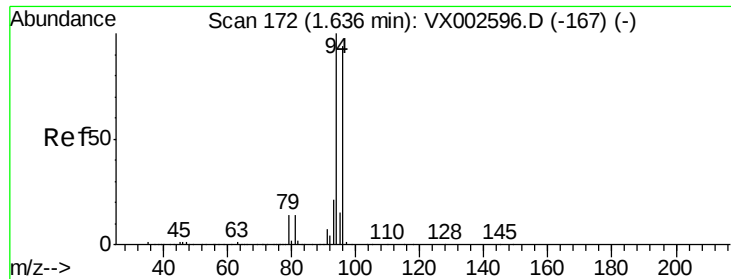
Tgt Ion: 62 Resp: 149112

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 76.21 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 155209

Ion Ratio Lower Upper

94 100

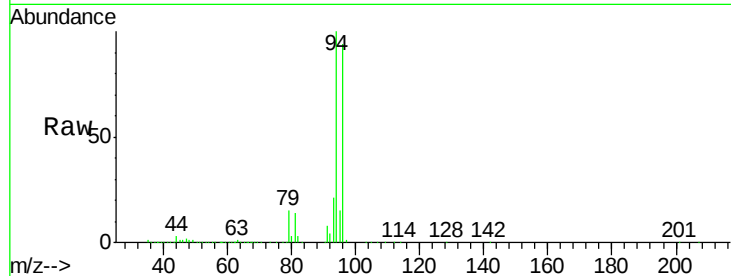
96 94.2 74.9 112.3

Manual Integrations

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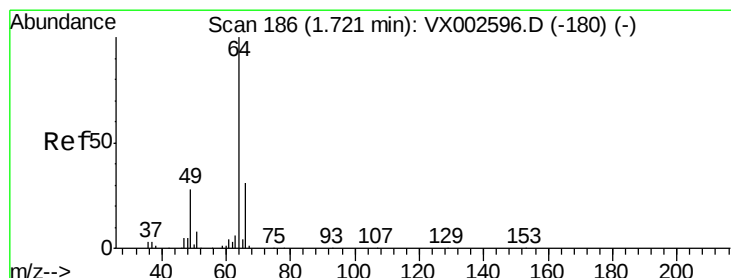
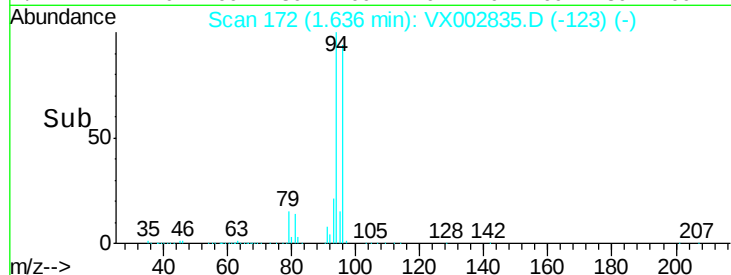
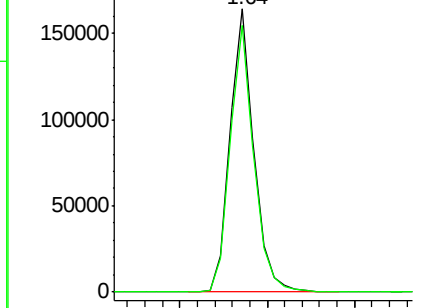
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.35 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002835.D

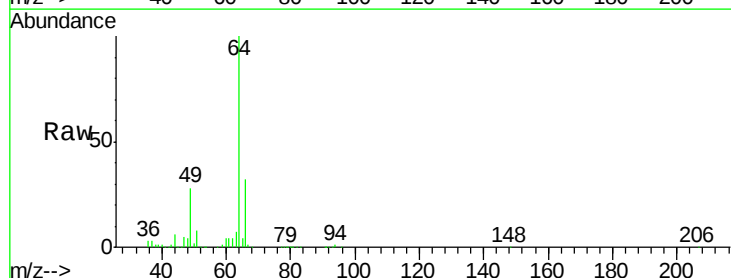
Acq: 22 Jun 2018 16:31

Tgt Ion: 64 Resp: 96443

Ion Ratio Lower Upper

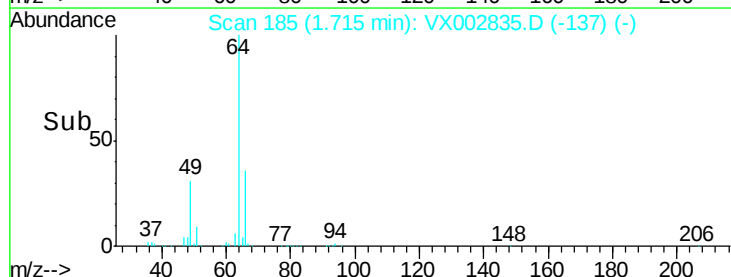
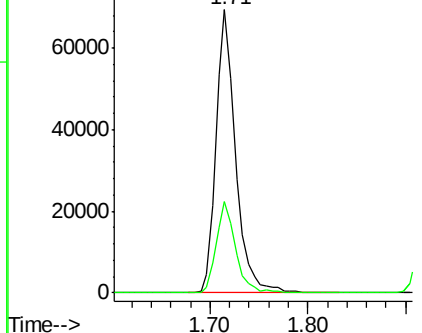
64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

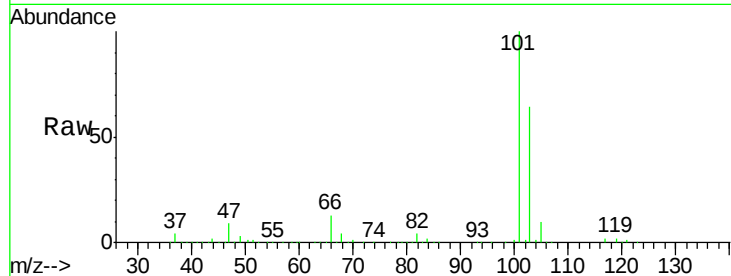
Trichlorofluoromethane
Concen: 48.86 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

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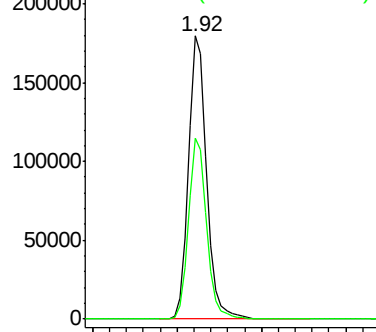
Tot Ion:101 Resp: 267935
Ion Ratio Lower Upper
101 100
103 64.0 52.8 79.2

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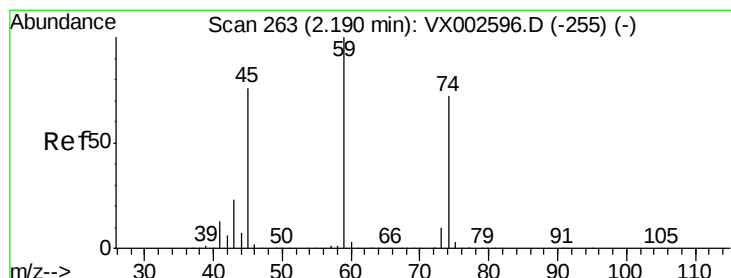
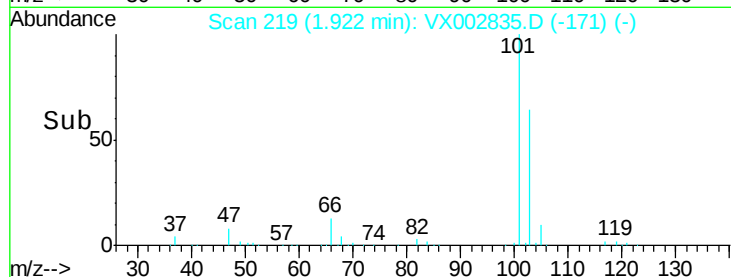
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



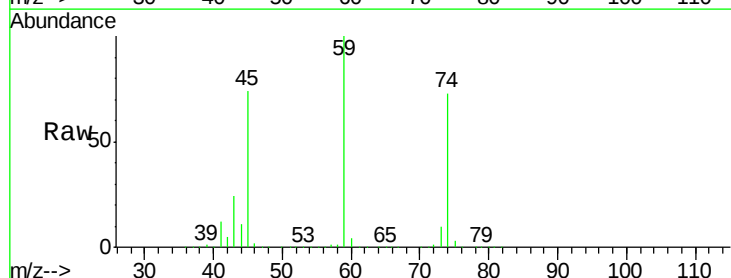
Time--> 1.80 1.90 2.00 2.10



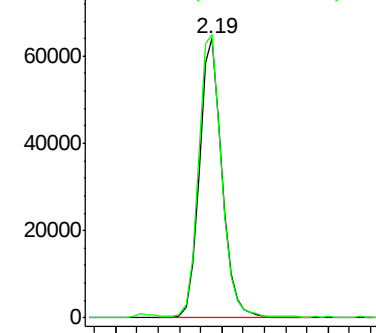
#8

Diethyl Ether
Concen: 45.49 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

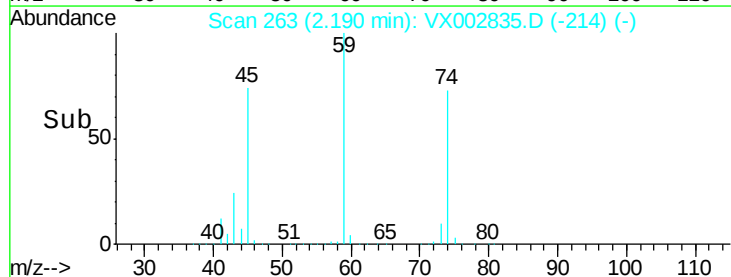
Tgt Ion: 74 Resp: 94888
Ion Ratio Lower Upper
74 100
45 103.4 53.1 159.4

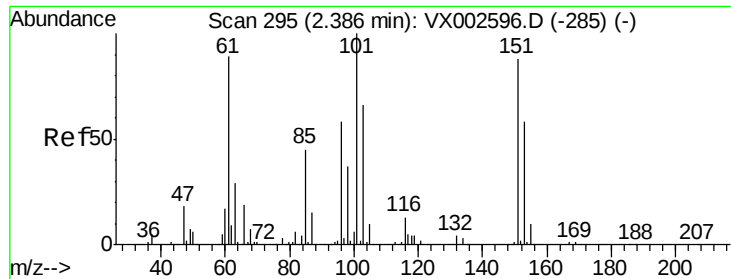


Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0



Time--> 2.10 2.20 2.30





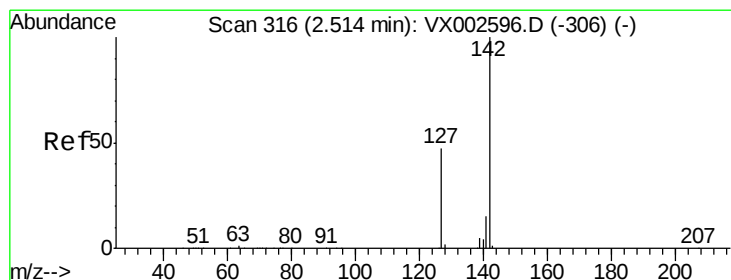
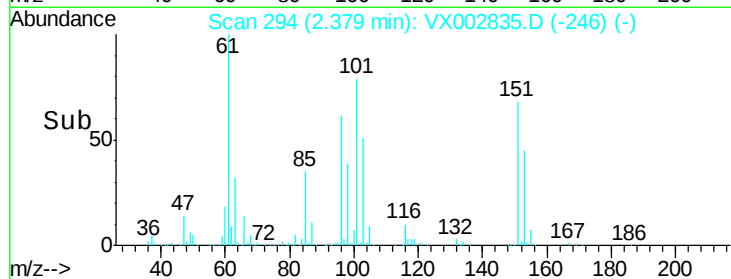
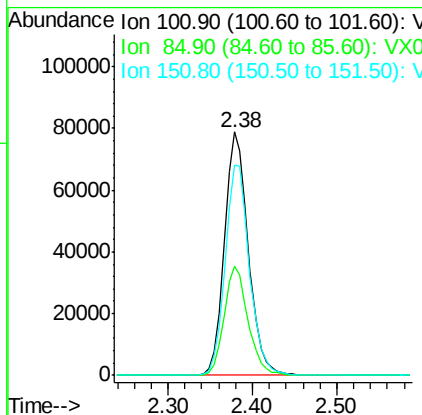
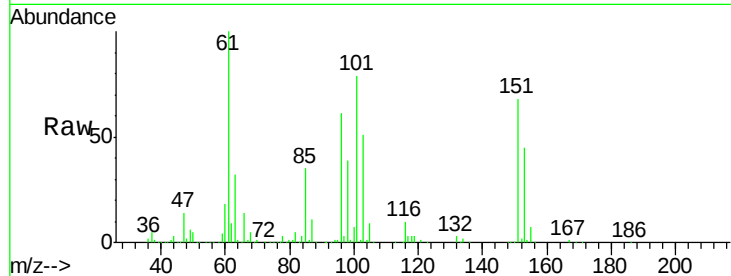
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.86 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	152841		
85	44.9	36.0	54.0	
151	88.3	70.9	106.3	

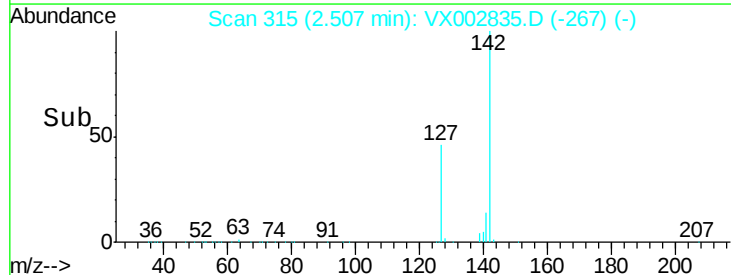
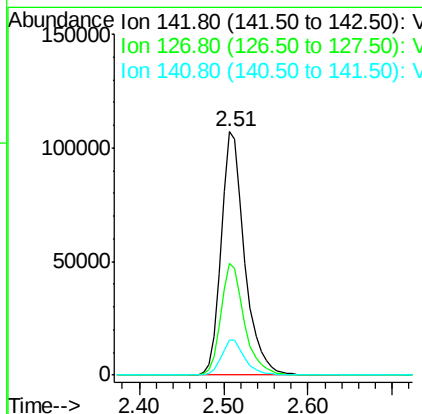
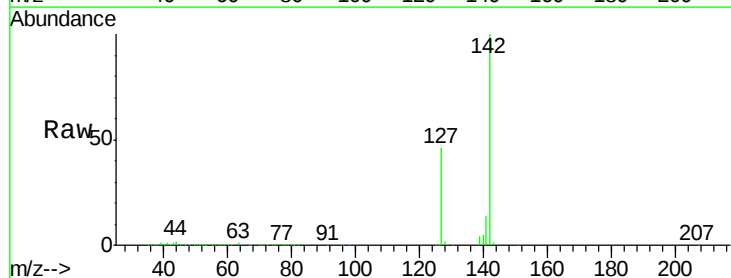
Manual Integrations
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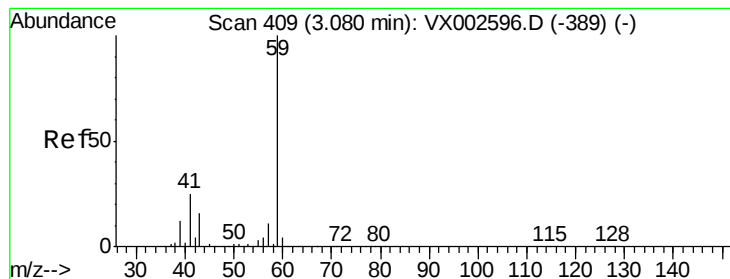
MMDadoda
 6/25/2018 6:56:06 PM



#10
 Methyl Iodide
 Concen: 49.56 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	204840		
127	46.0	36.6	55.0	
141	14.5	11.3	16.9	





#11

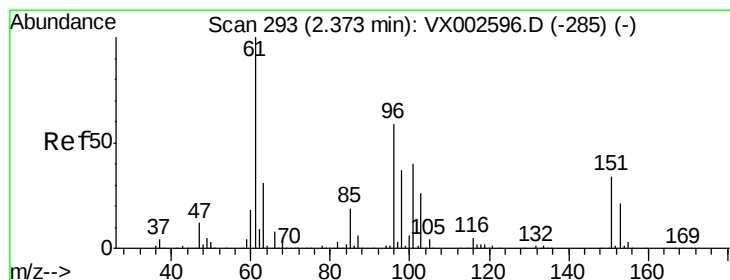
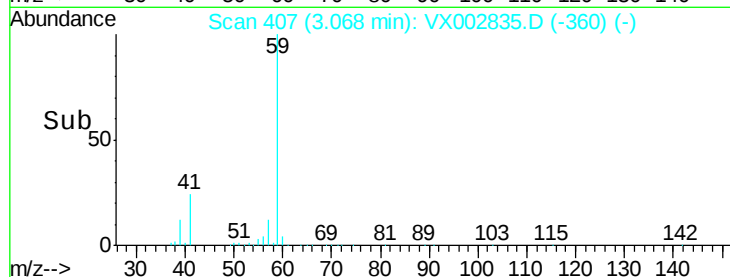
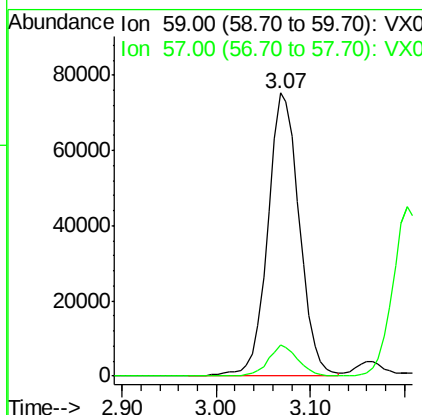
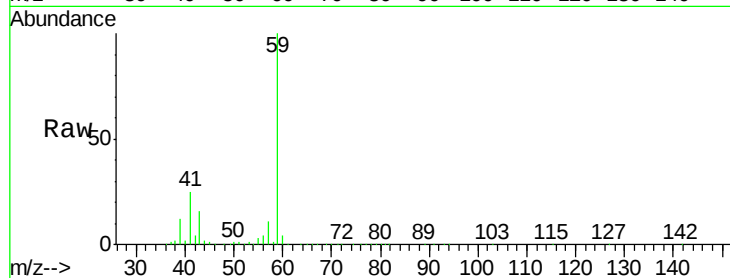
Tert butyl alcohol
 Concen: 217.43 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
 APPROVED

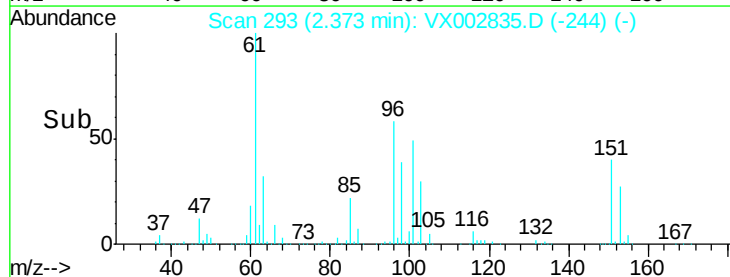
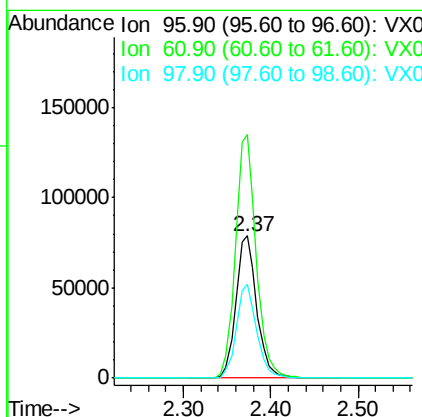
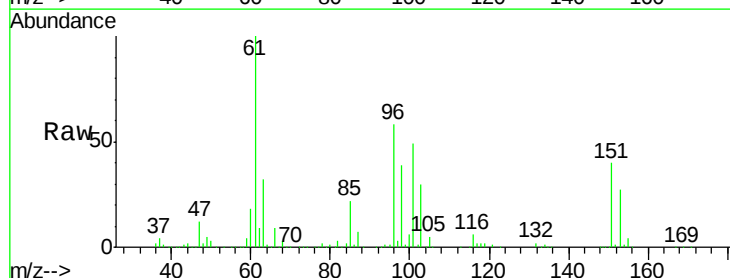
MMDadoda
 6/25/2018 6:56:06 PM

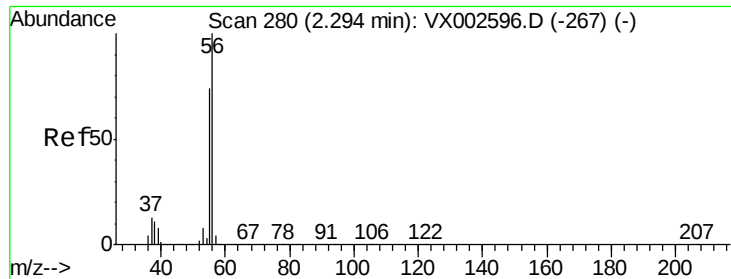


#12

1,1-Dichloroethene
 Concen: 45.73 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	137.9	206.9
98	66.1	51.6	77.4





#13

Acrolein

Concen: 182.77 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68614

Ion Ratio Lower Upper

56 100

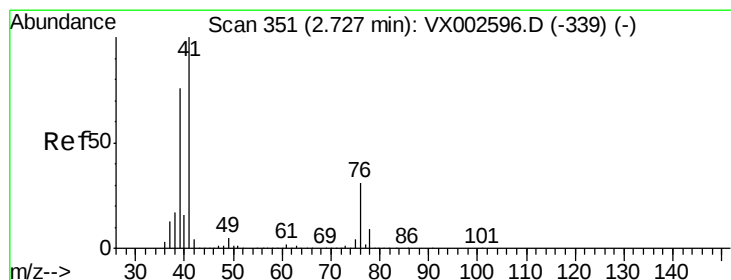
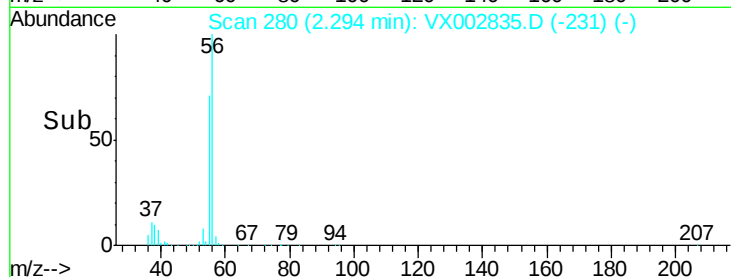
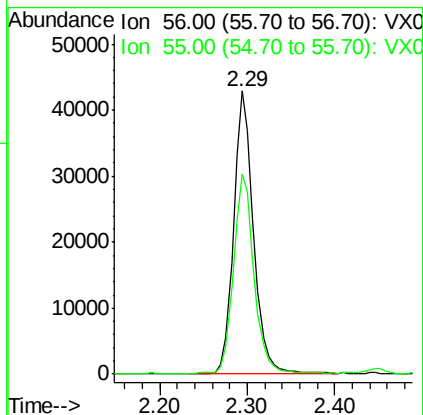
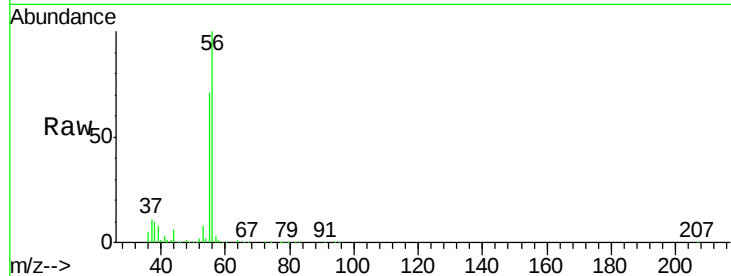
55 72.0 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 46.63 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

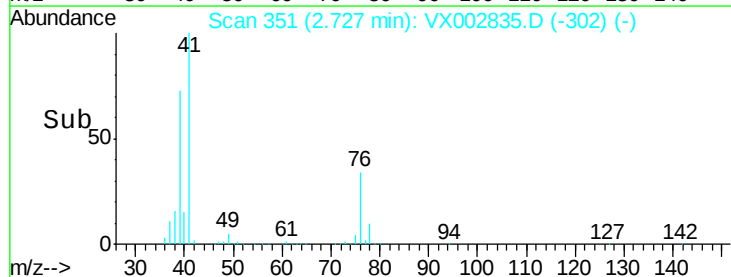
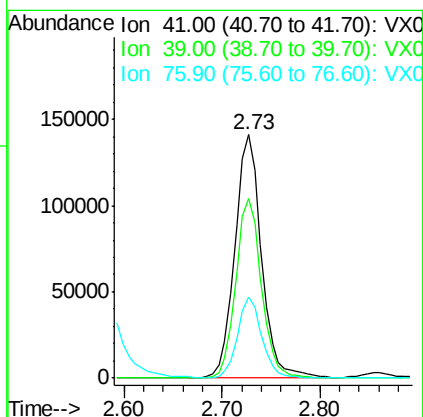
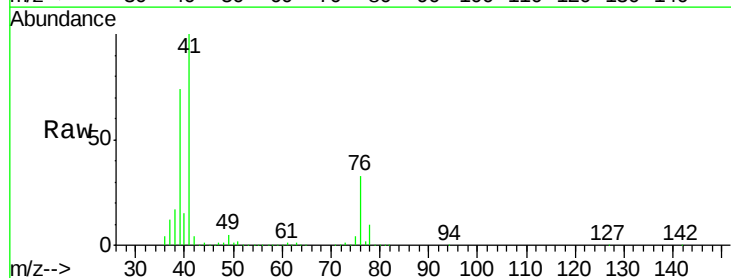
Tgt Ion: 41 Resp: 266463

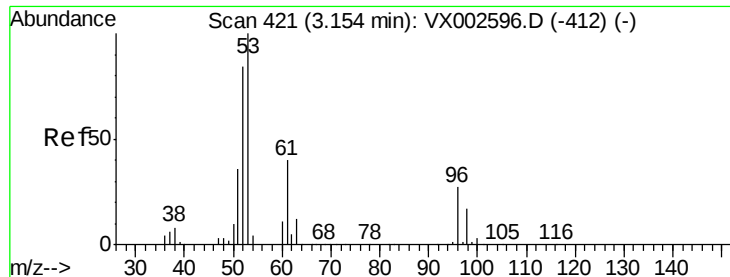
Ion Ratio Lower Upper

41 100

39 70.7 56.8 85.2

76 30.5 23.8 35.8





#15

Acrylonitrile

Concen: 224.91 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

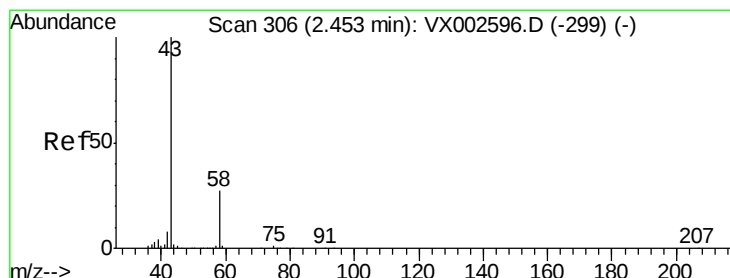
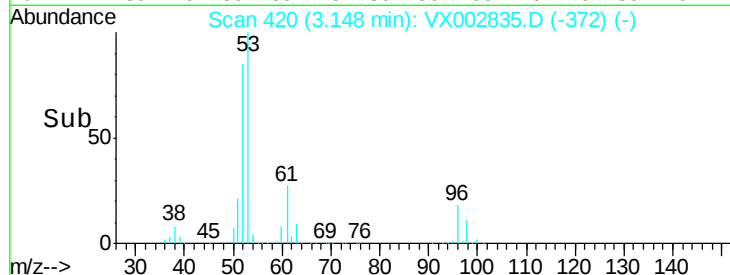
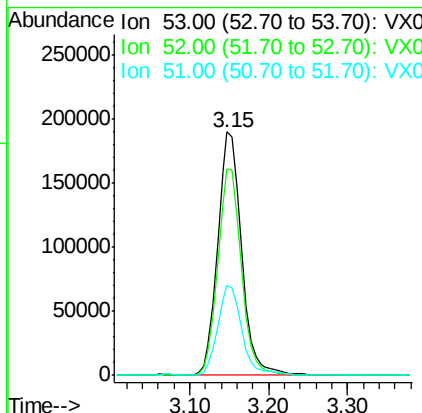
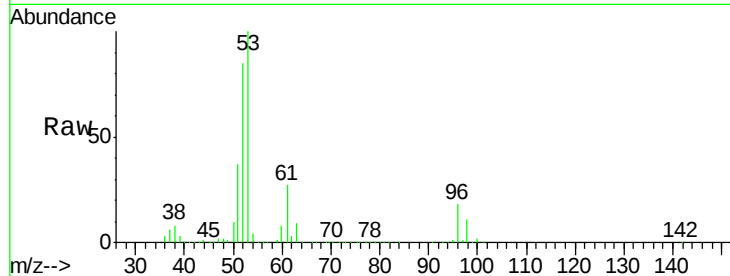
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	397142
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.7	100.1
51	37.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 216.40 ug/l

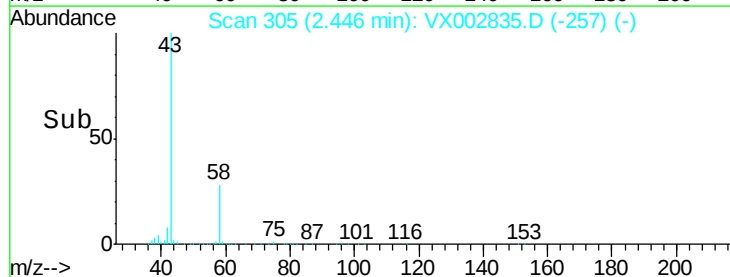
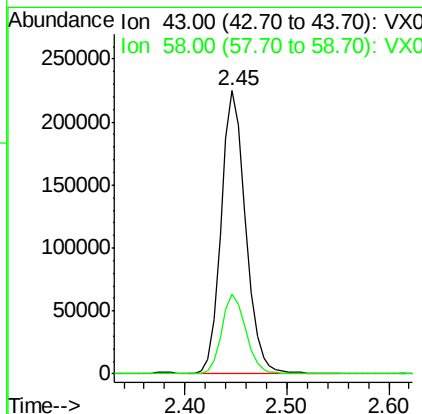
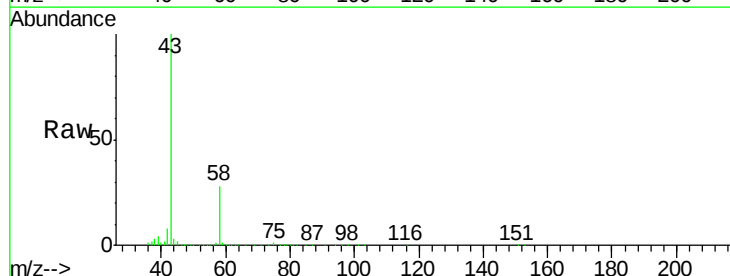
RT: 2.45 min Scan# 305

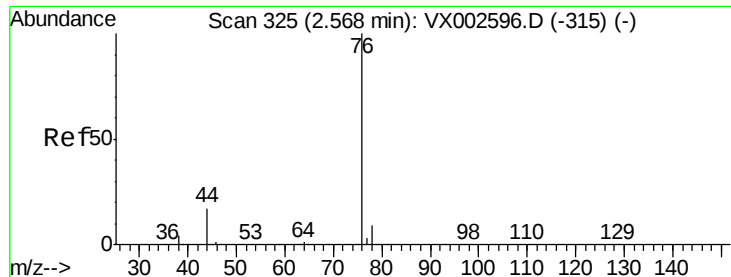
Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	43	Resp:	373716
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.1	33.1





#17

Carbon Disulfide

Concen: 51.03 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 348367

Ion Ratio Lower Upper

76 100

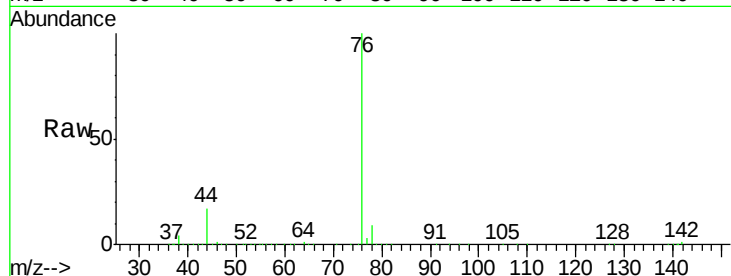
78 9.0 6.9 10.3

Manual Integrations

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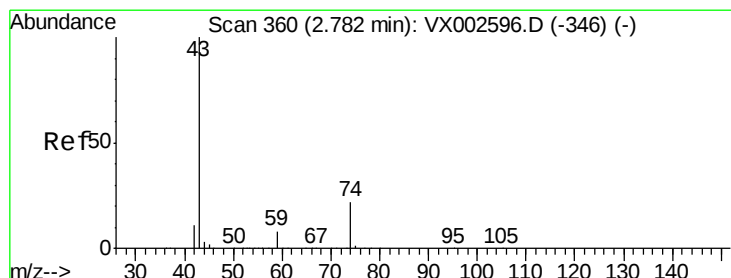
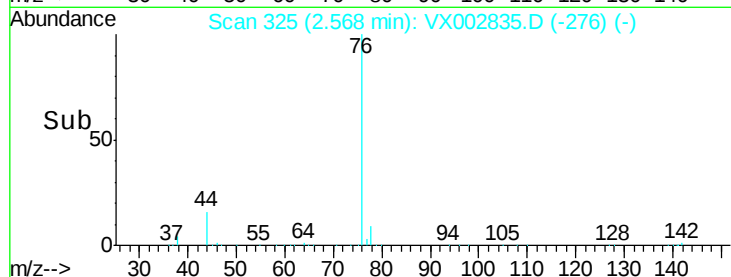
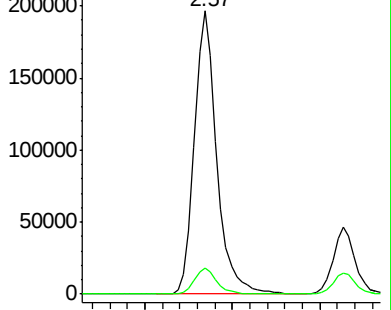
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.68 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002835.D

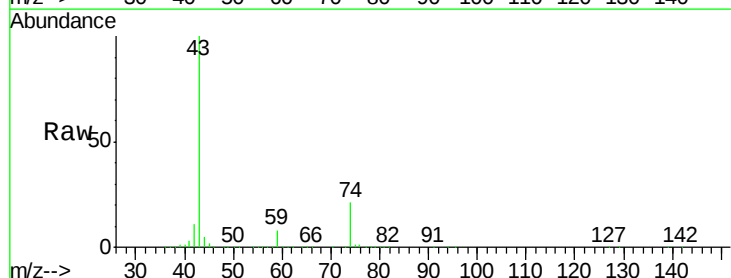
Acq: 22 Jun 2018 16:31

Tgt Ion: 43 Resp: 228588

Ion Ratio Lower Upper

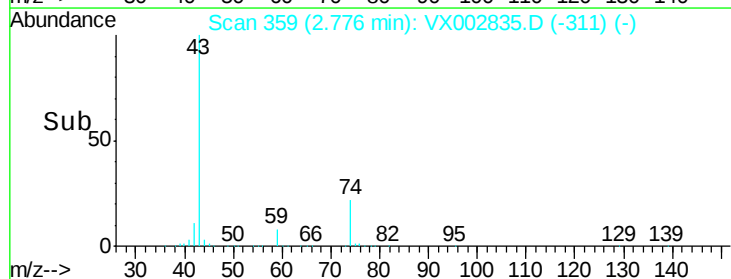
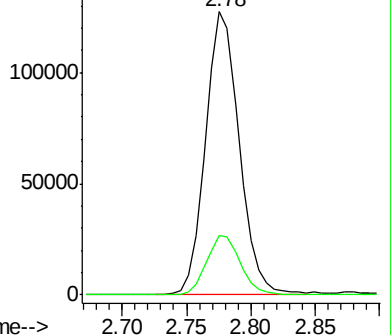
43 100

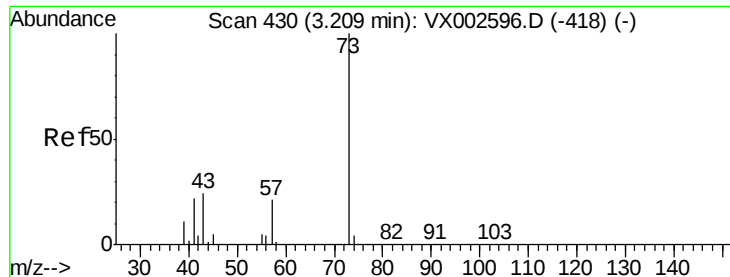
74 21.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





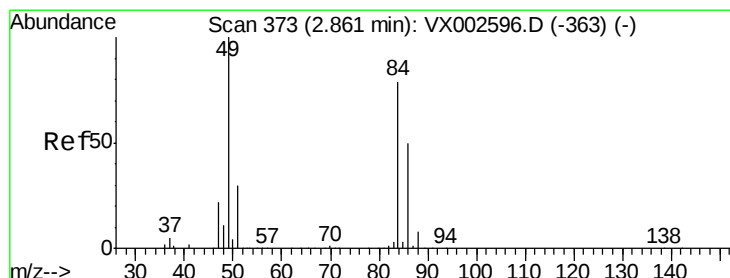
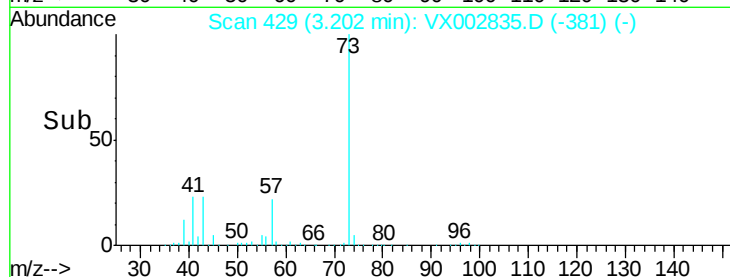
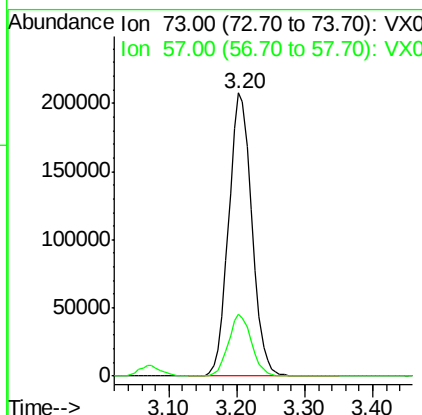
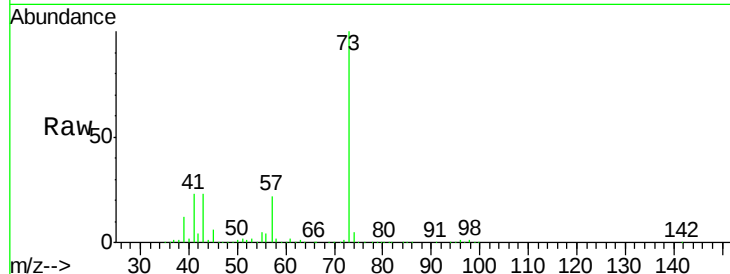
#19
Methvl tert-butvl Ether
Concen: 45.46 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 490845
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

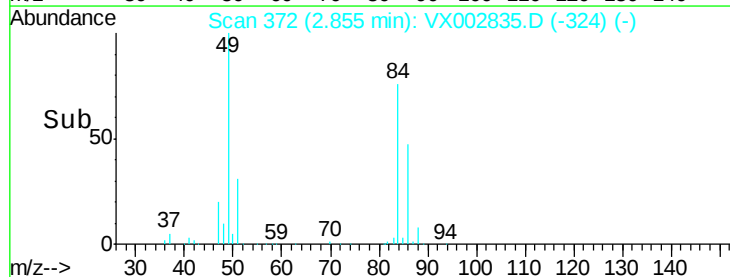
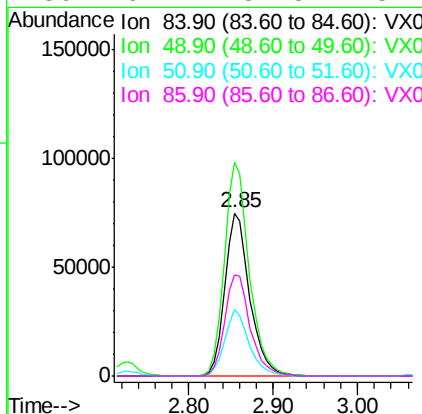
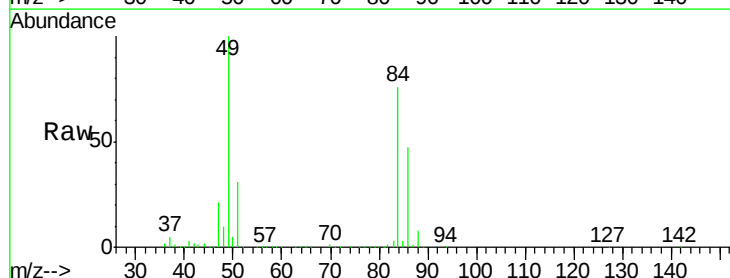
Manual Integrations
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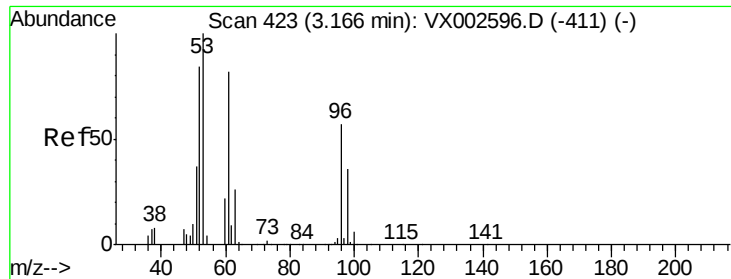
MMDadoda
6/25/2018 6:56:06 PM



#20
Methylene Chloride
Concen: 42.50 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 84 Resp: 150503
Ion Ratio Lower Upper
84 100
49 131.0 107.8 161.6
51 41.1 32.8 49.2
86 62.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

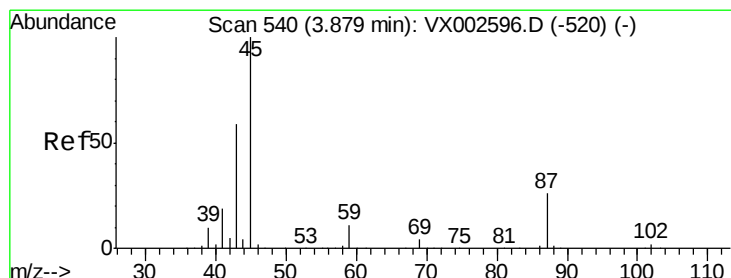
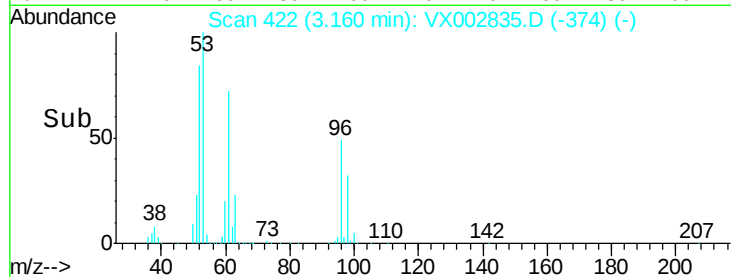
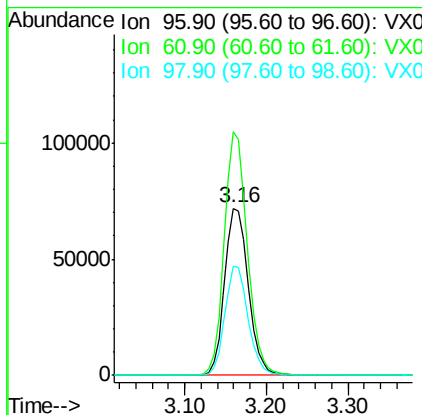
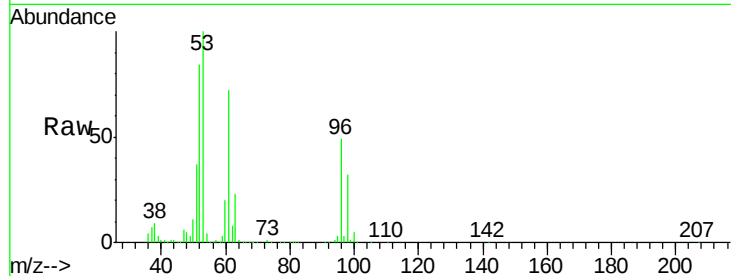
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	144490
Ion	Ratio	Lower	Upper
96	100		
61	145.5	117.0	175.4
98	65.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.48 ug/l

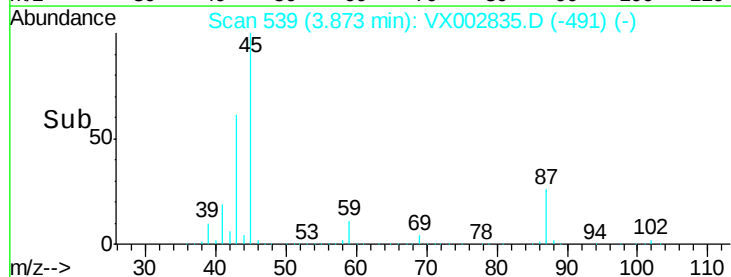
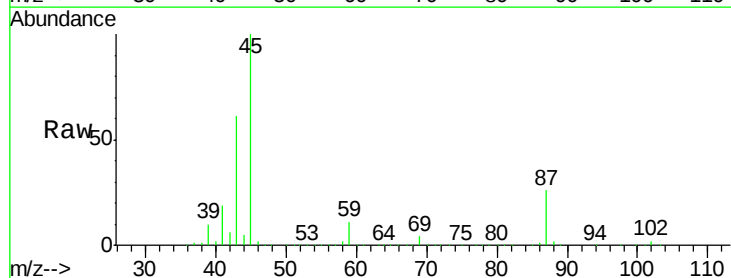
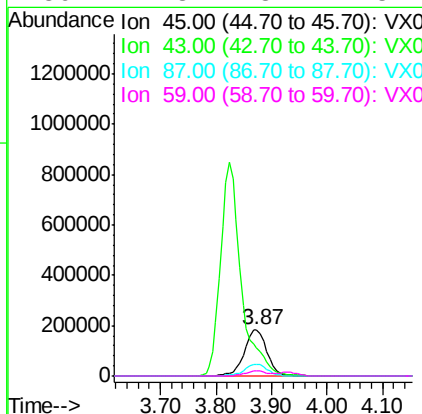
RT: 3.87 min Scan# 539

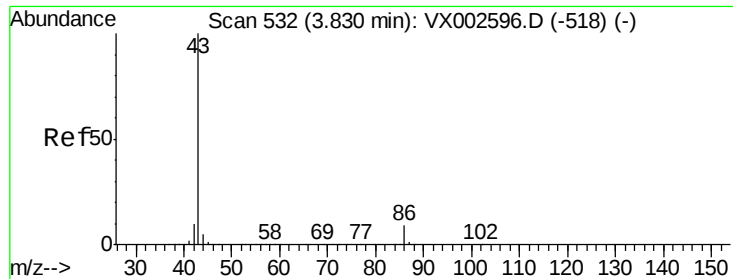
Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	45	Resp:	521908
Ion	Ratio	Lower	Upper
45	100		
43	61.2	46.8	70.2
87	26.1	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 254.49 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2202268

Ion Ratio Lower Upper

43 100

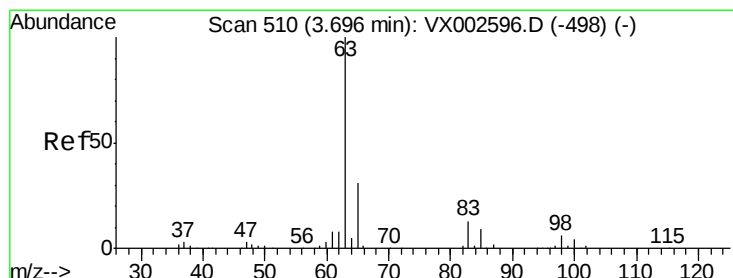
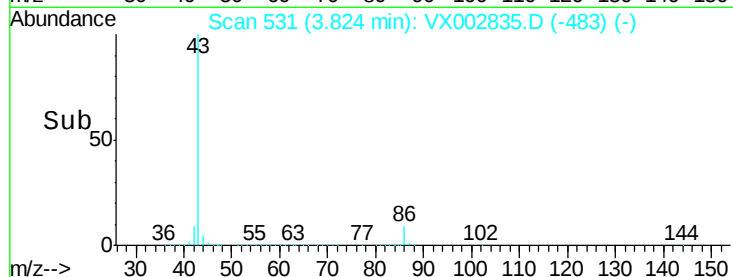
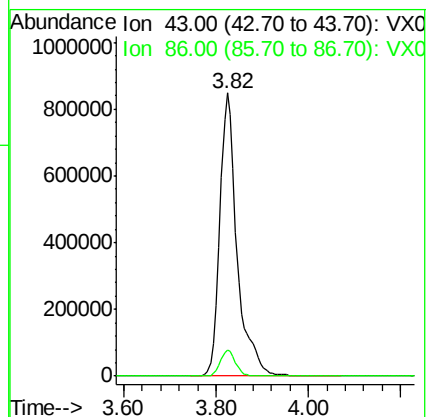
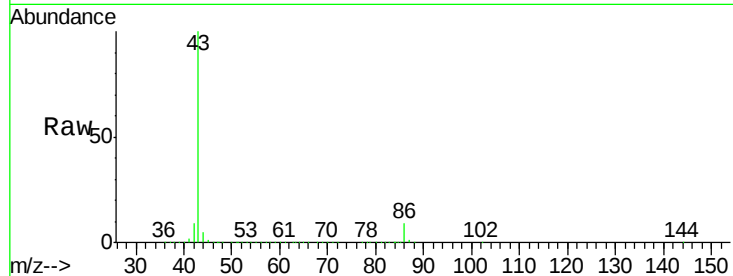
86 9.4 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

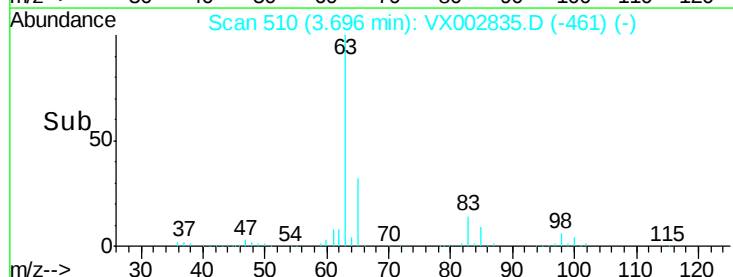
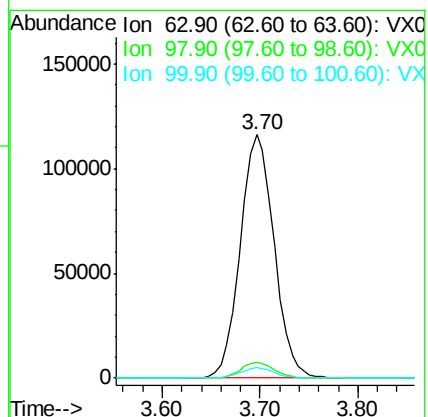
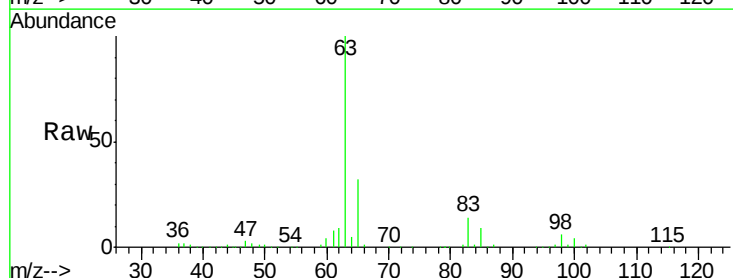
Tgt Ion: 63 Resp: 278739

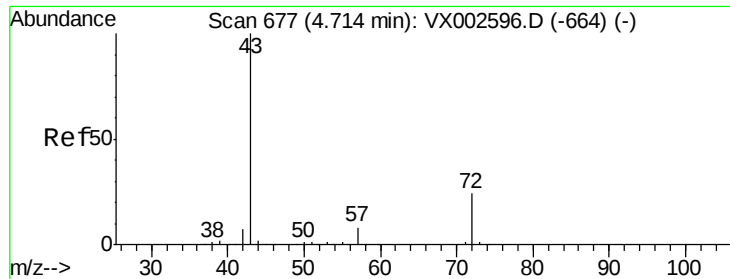
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 252.09 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 571725

Ion Ratio Lower Upper

43 100

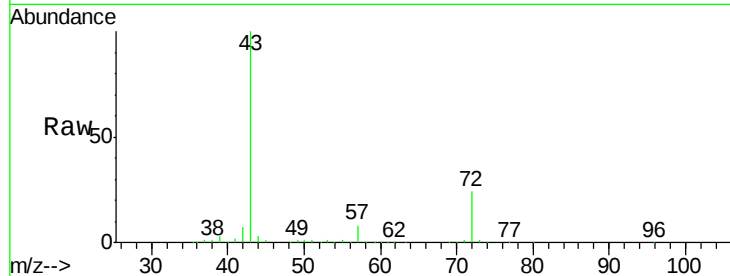
72 24.3 18.5 27.7

Manual Integrations

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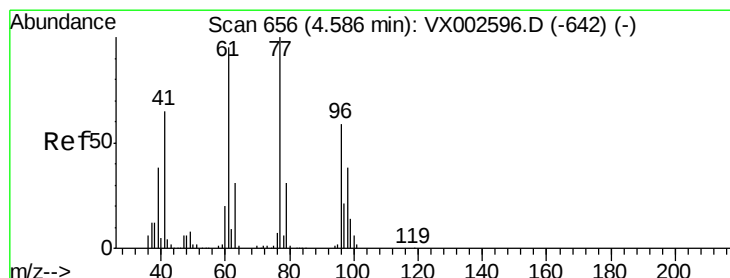
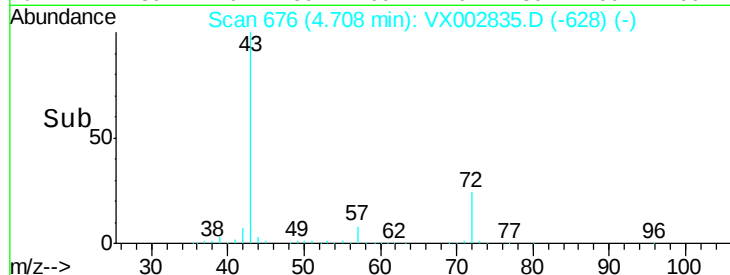
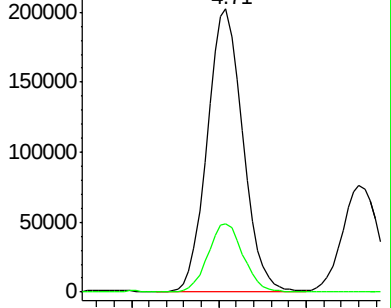
MMDadoda

6/25/2018 6:56:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 55.79 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002835.D

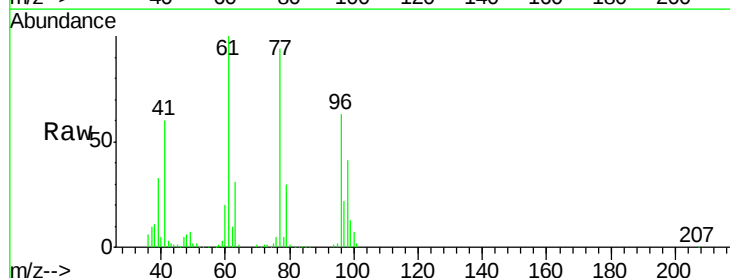
Acq: 22 Jun 2018 16:31

Tgt Ion: 77 Resp: 224945

Ion Ratio Lower Upper

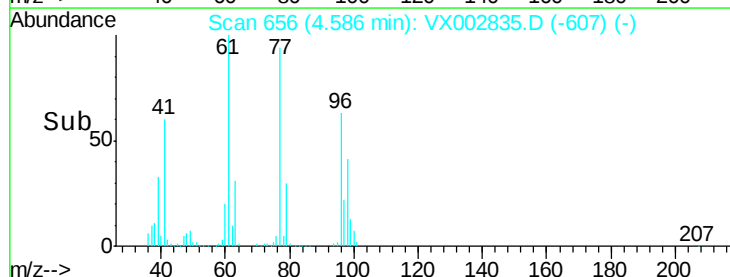
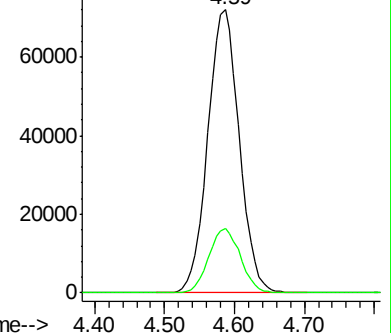
77 100

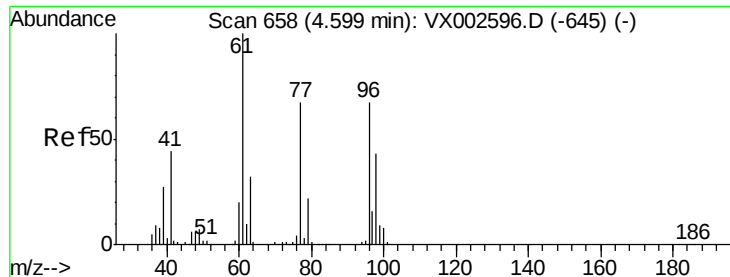
97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

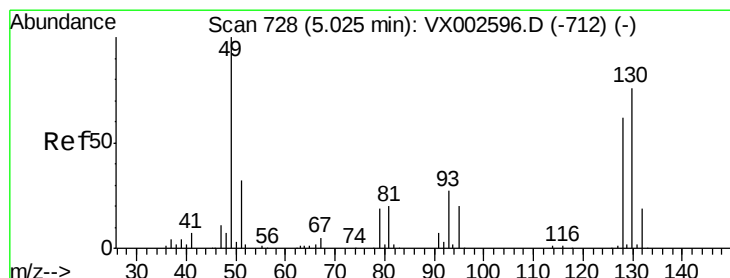
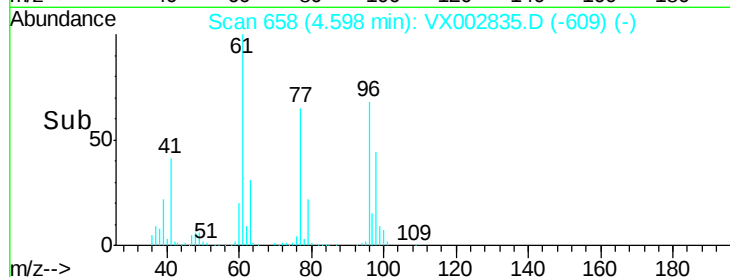
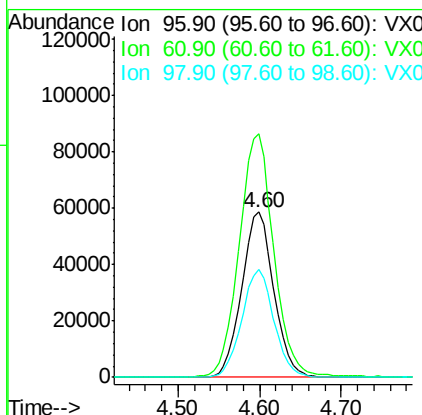
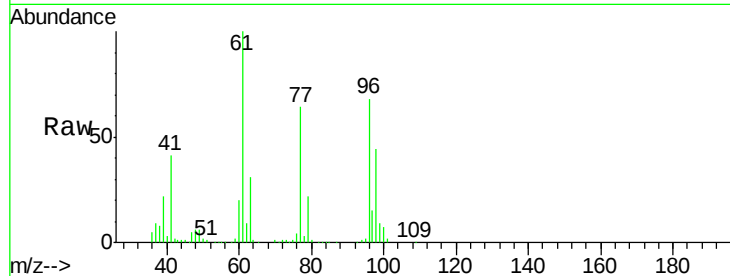
cis-1,2-Dichloroethene
Concen: 50.74 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	161188		
61	158.9	0.0	330.2	
98	65.1	0.0	130.2	

Manual Integrations
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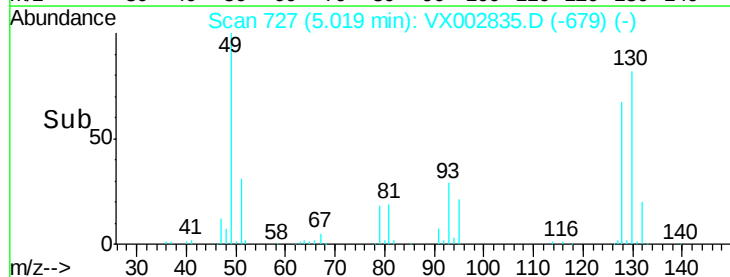
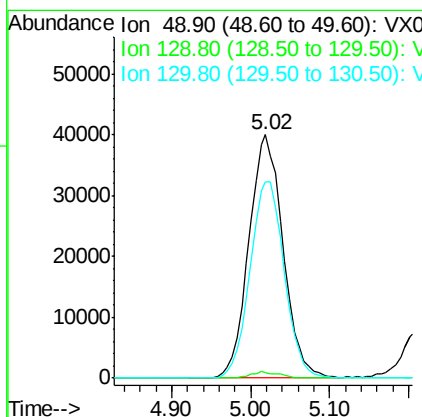
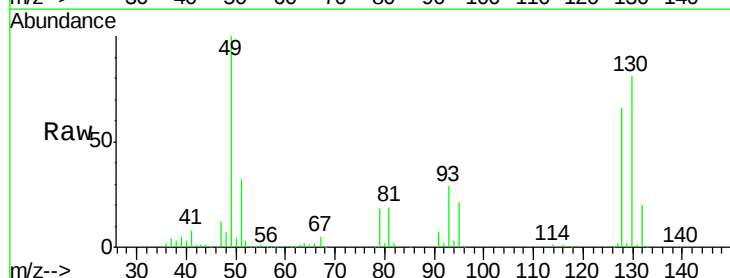
MMDadoda
6/25/2018 6:56:06 PM

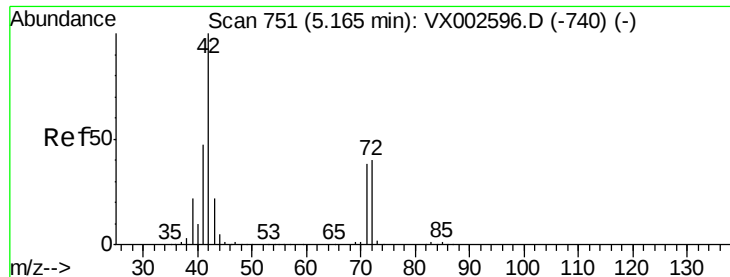


#28

Bromochloromethane
Concen: 45.78 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120322		
129	2.3	0.0	4.2	
130	81.1	61.2	91.8	





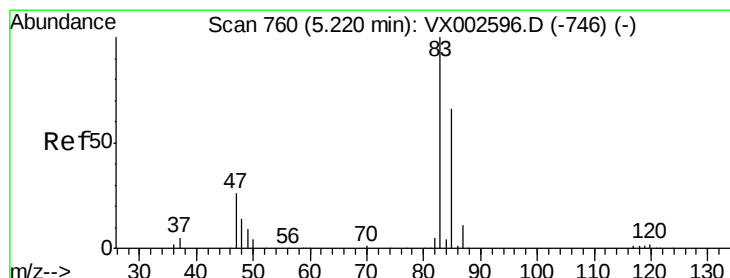
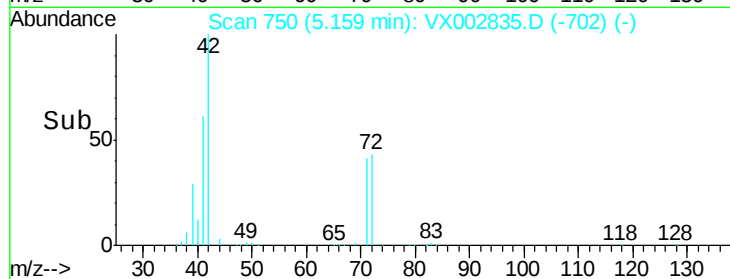
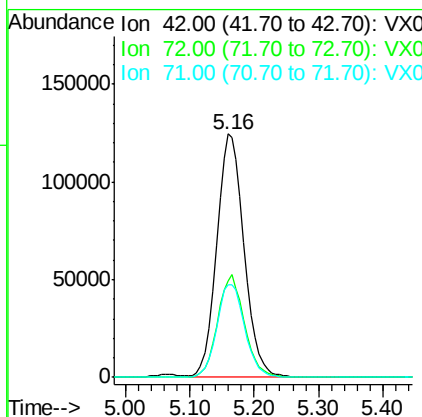
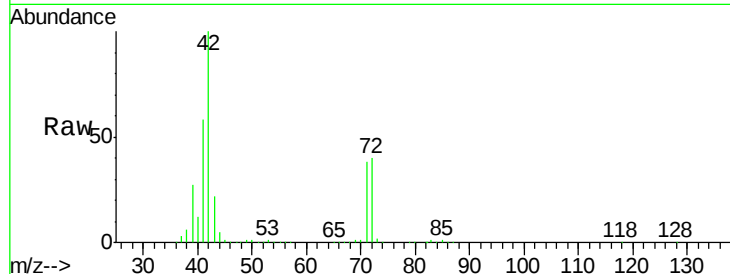
#29
Tetrahydrofuran
Concen: 248.56 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.0	48.0
71	39.2	30.1	45.1

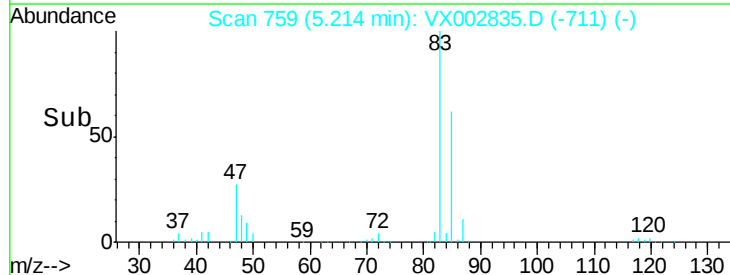
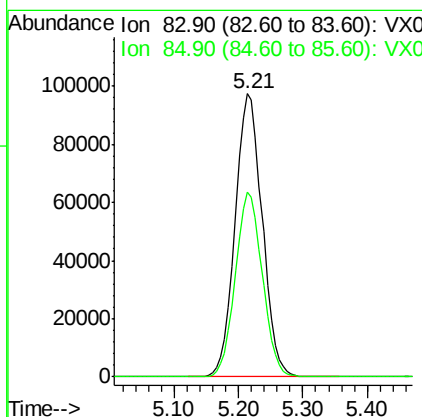
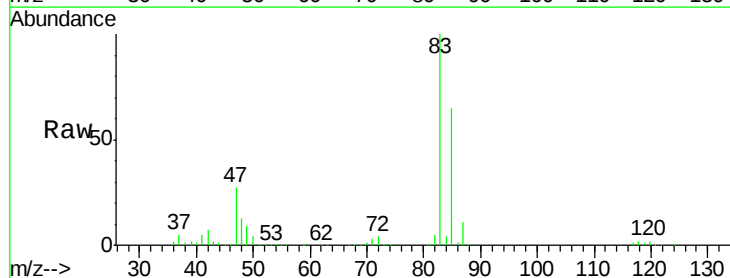
Manual Integrations
APPROVED

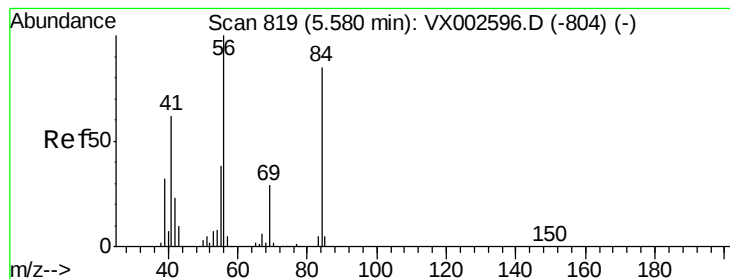
MMDadoda
6/25/2018 6:56:06 PM



#30
Chloroform
Concen: 52.53 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.4	75.6





#31

Cyclohexane

Concen: 52.43 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

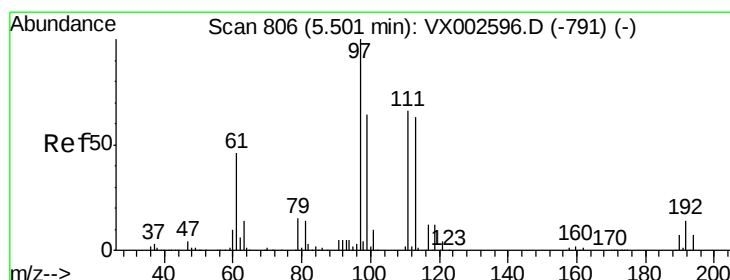
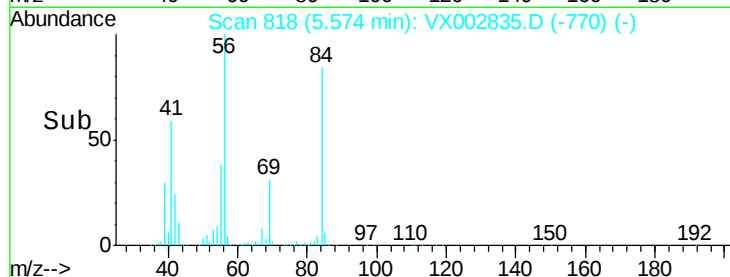
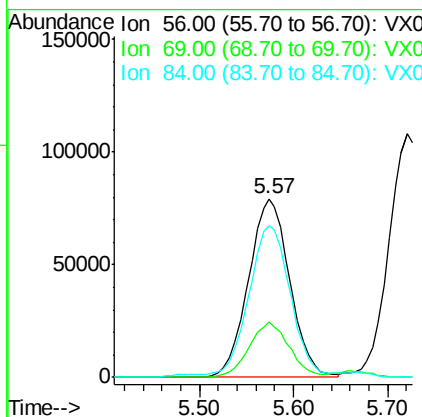
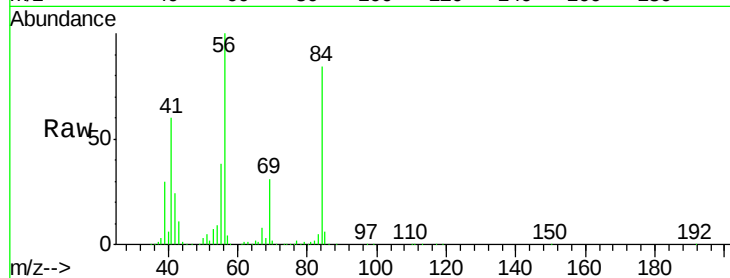
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	242246
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.7	35.5
84	82.6	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.66 ug/l

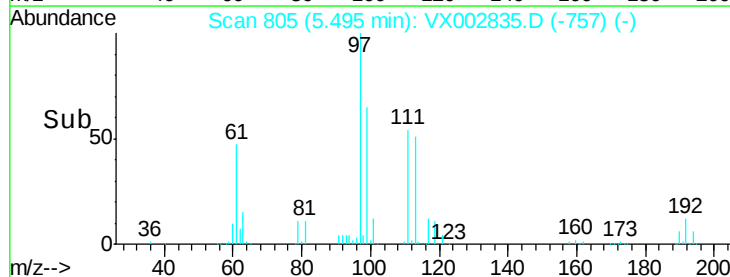
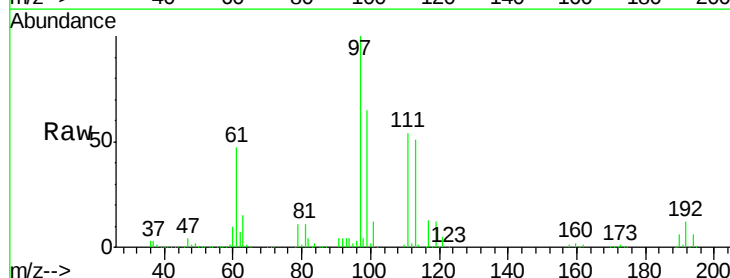
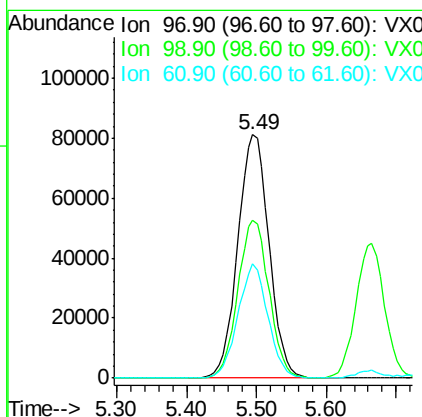
RT: 5.49 min Scan# 805

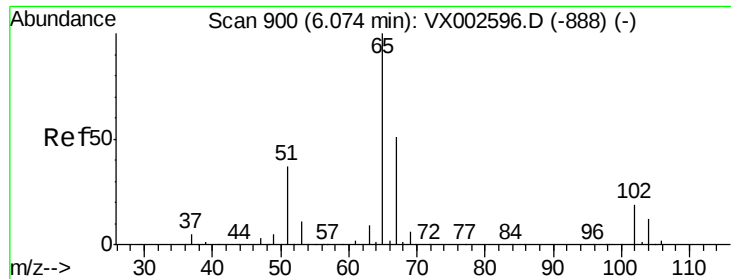
Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	97	Resp:	251928
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	45.1	36.4	54.6





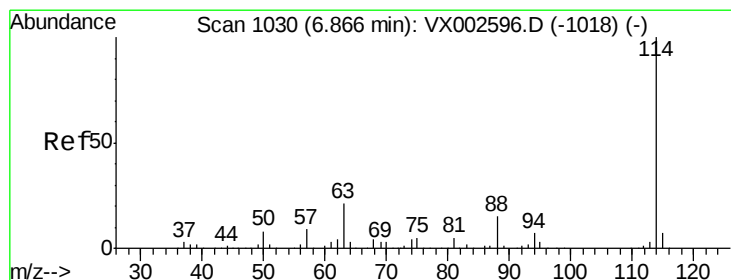
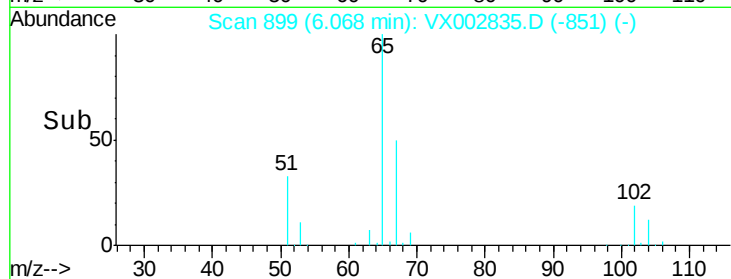
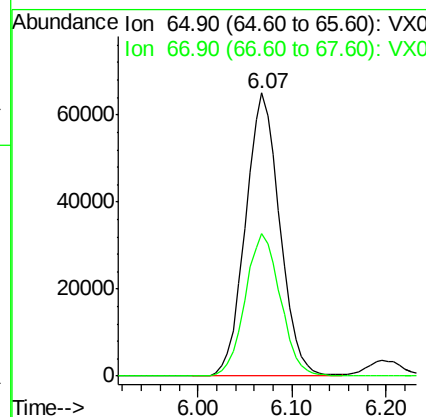
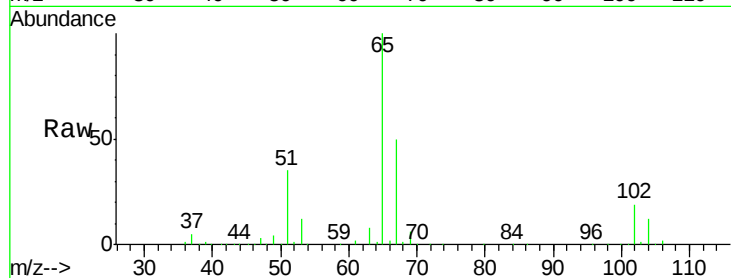
#33
 1,2-Dichloroethane-d4
 Concen: 42.36 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165818		
67	51.4	0.0	102.6	

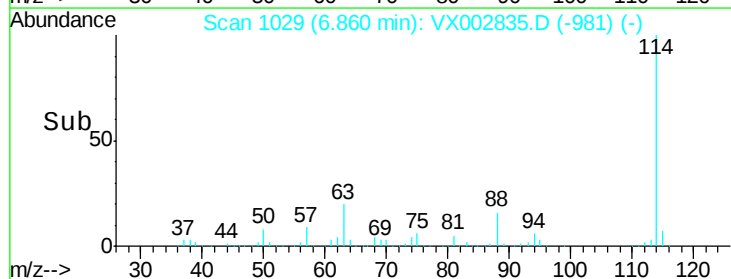
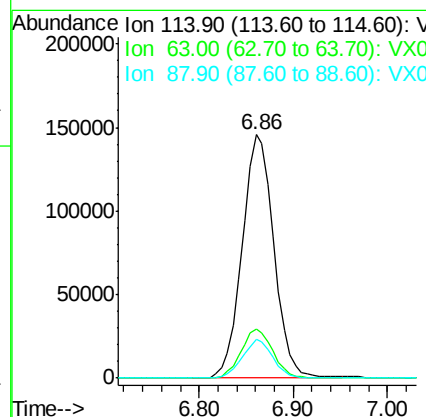
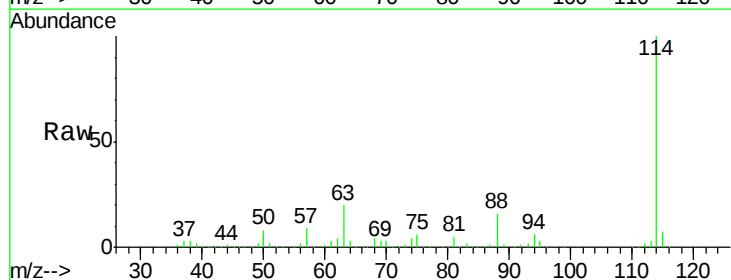
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	342227		
63	20.1	0.0	41.4	
88	15.7	0.0	30.0	





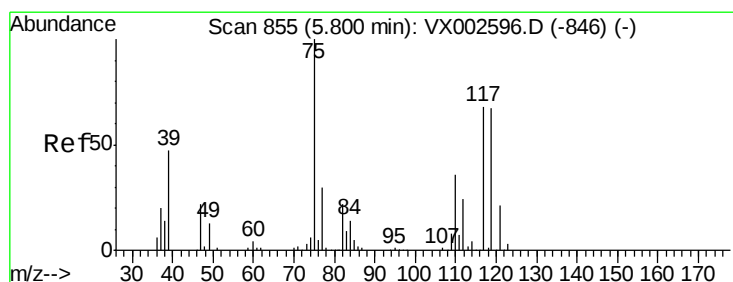
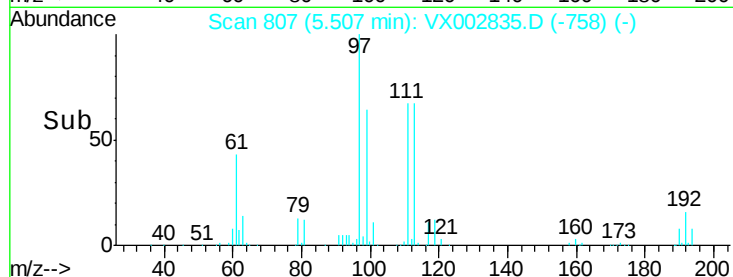
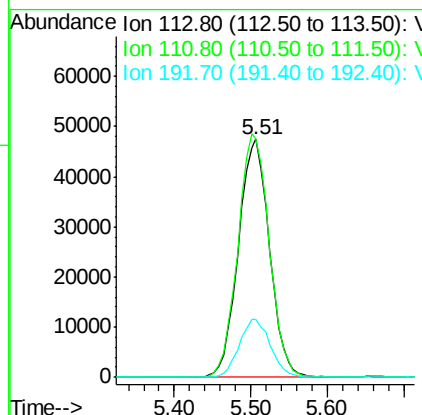
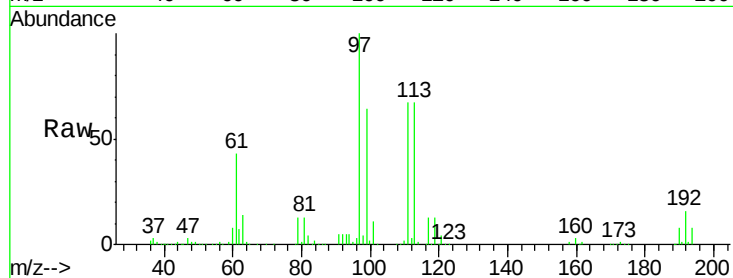
#35
 Dibromofluoromethane
 Concen: 49.01 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133863		
111	103.1	81.4	122.0	
192	24.4	19.1	28.7	

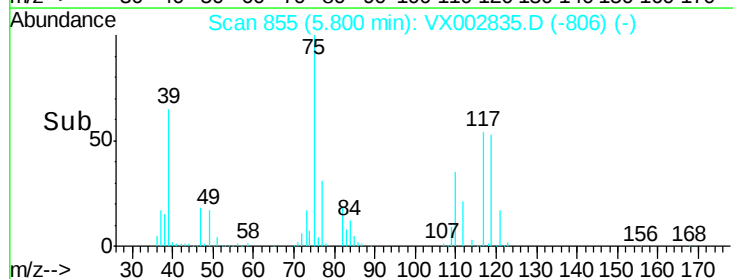
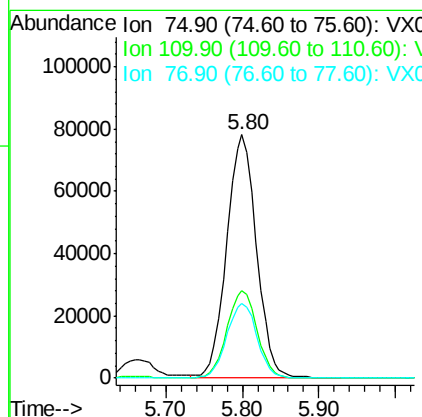
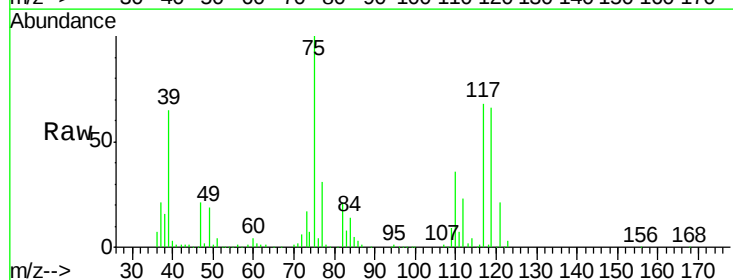
Manual Integrations
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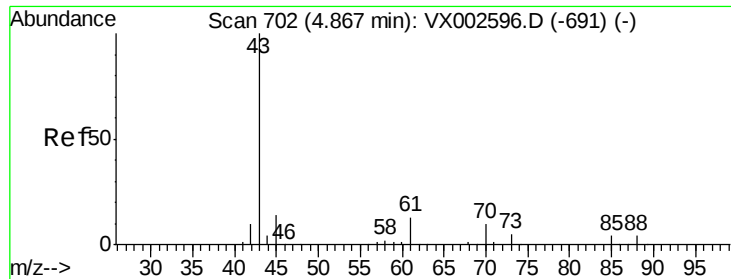
MMDadoda
 6/25/2018 6:56:06 PM



#36
 1,1-Dichloropropene
 Concen: 57.64 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209498		
110	36.6	18.1	54.4	
77	32.1	24.3	36.5	





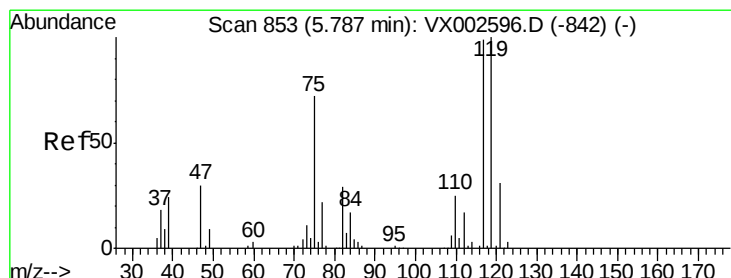
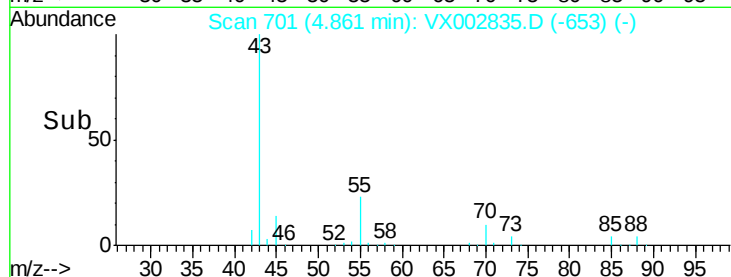
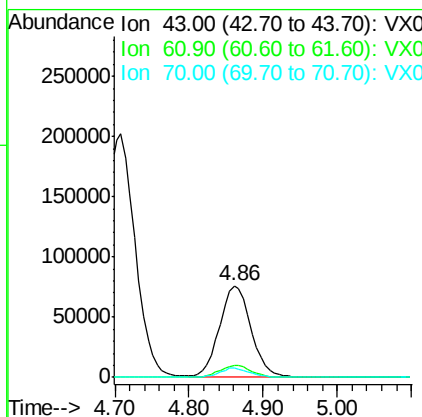
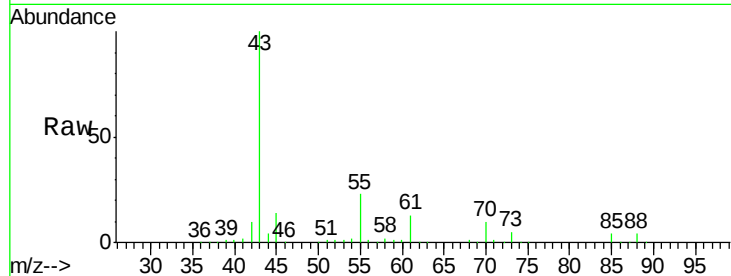
#37
Ethyl Acetate
Concen: 54.57 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.7	7.6	11.4

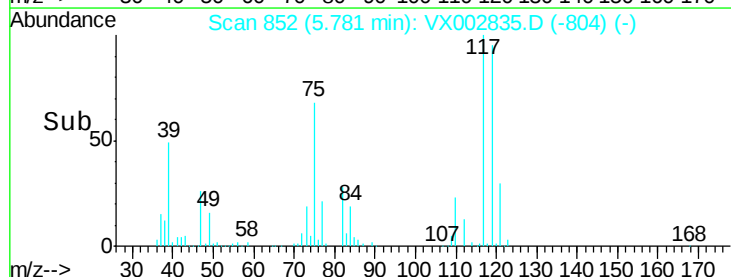
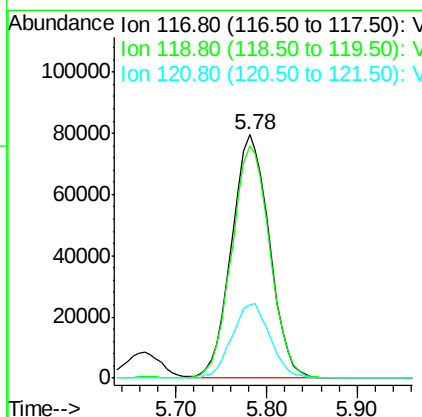
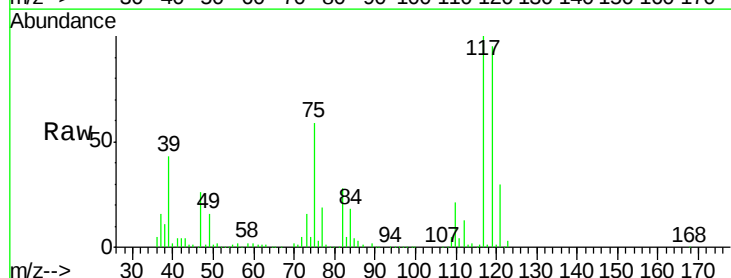
Manual Integrations
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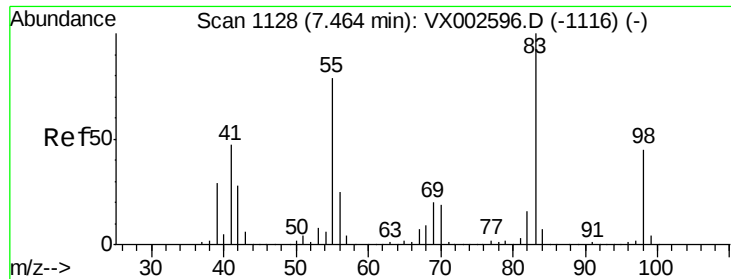
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#38
Carbon Tetrachloride
Concen: 63.37 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	30.0	24.4	36.6





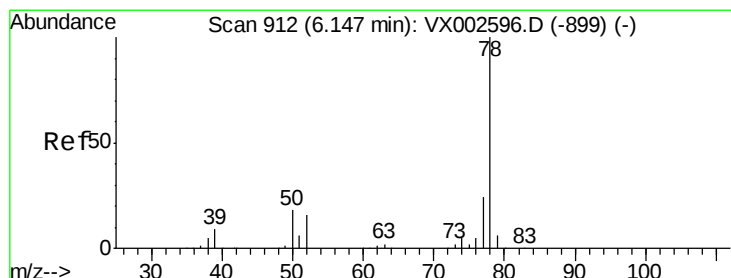
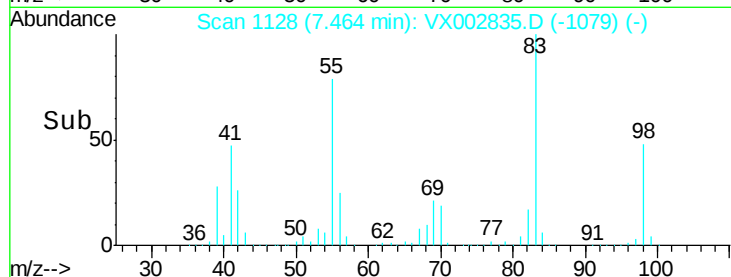
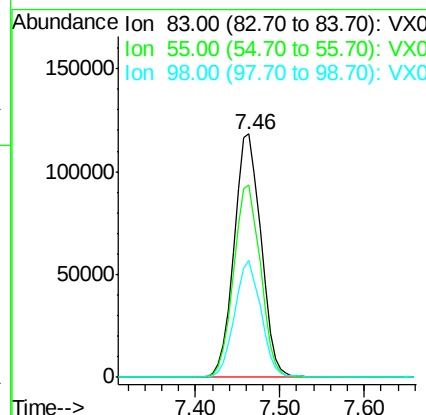
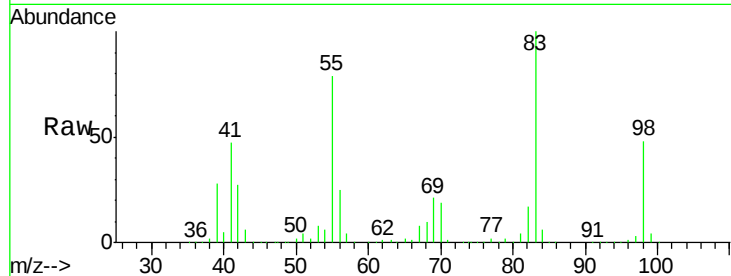
#39
Methvlcvclohexane
Concen: 60.38 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256566		
55	79.0		65.4	98.0
98	47.9		37.4	56.0

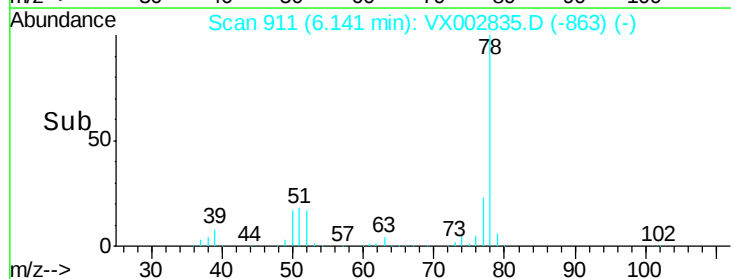
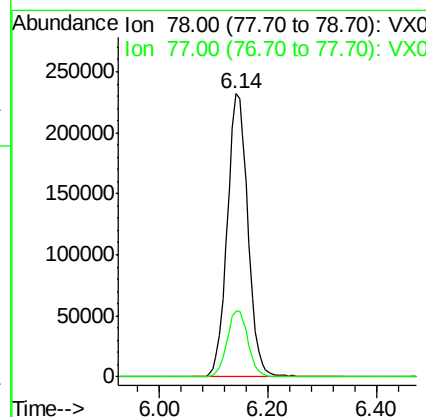
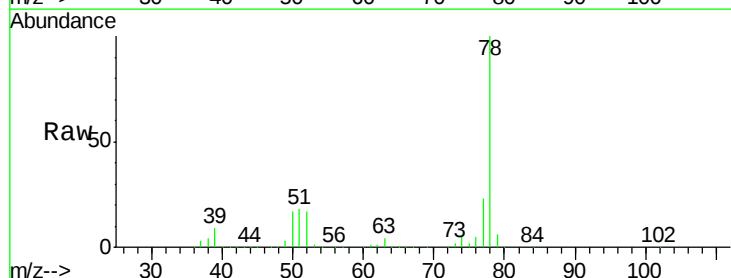
Manual Integrations
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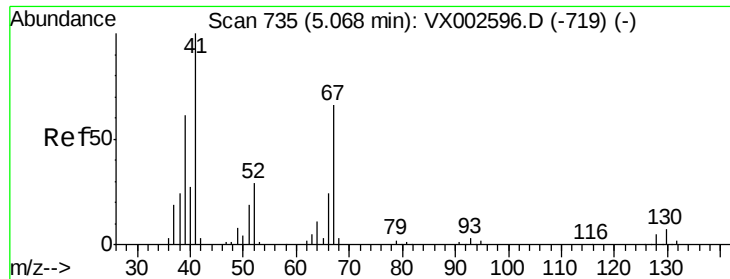
MMDadoda
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#40
Benzene
Concen: 56.20 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	612441		
77	23.4		19.1	28.7





#41

Methacrylonitrile

Concen: 55.73 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

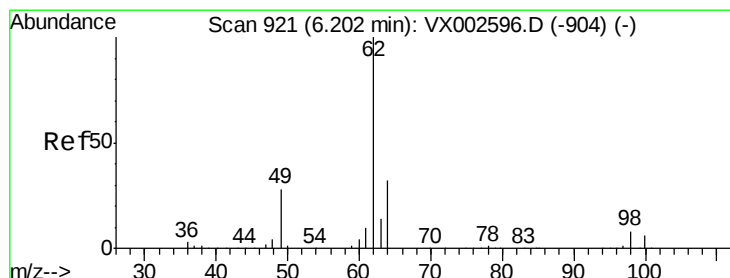
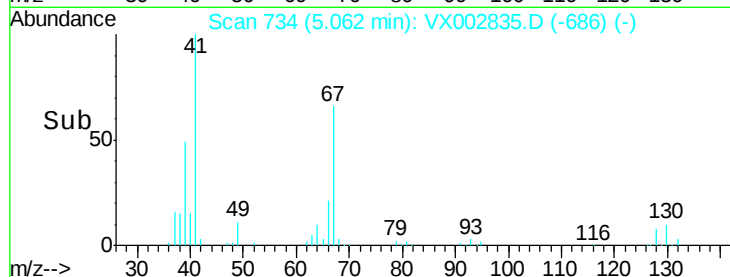
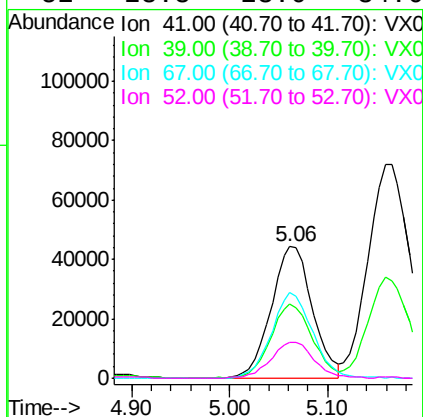
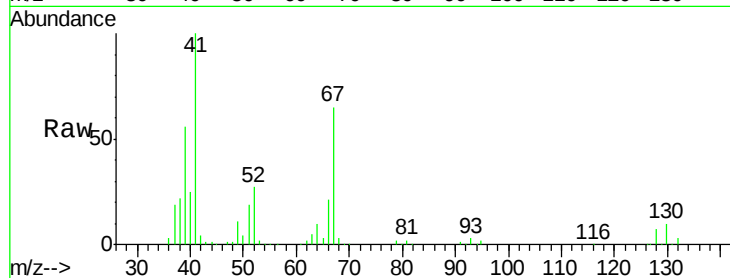
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	45.8	68.6	
67	65.6	51.3	76.9	
52	28.8	23.0	34.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.89 ug/l

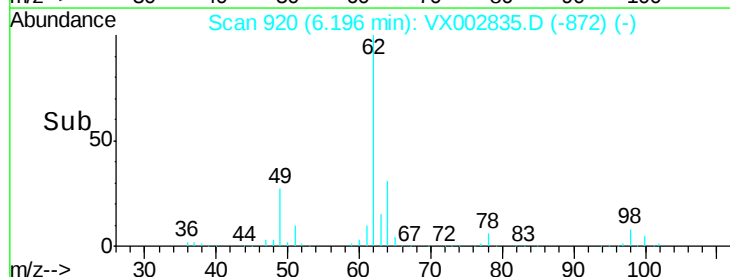
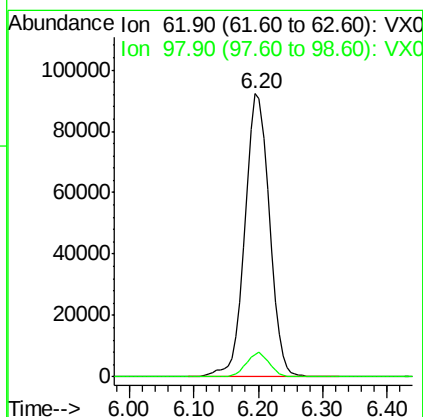
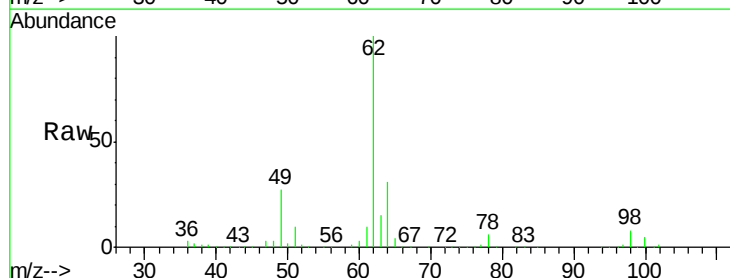
RT: 6.20 min Scan# 920

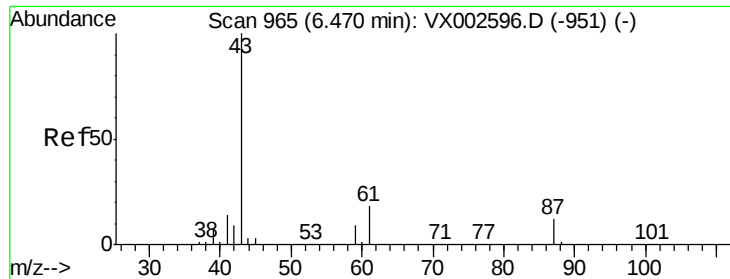
Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.6	





#43

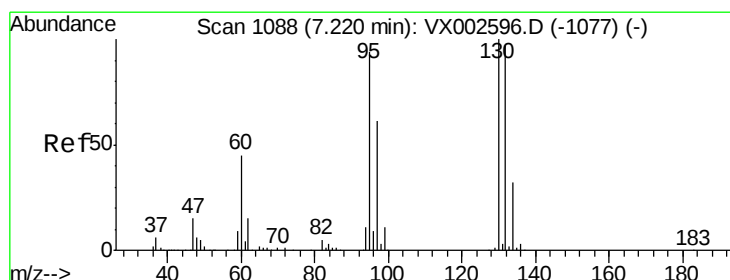
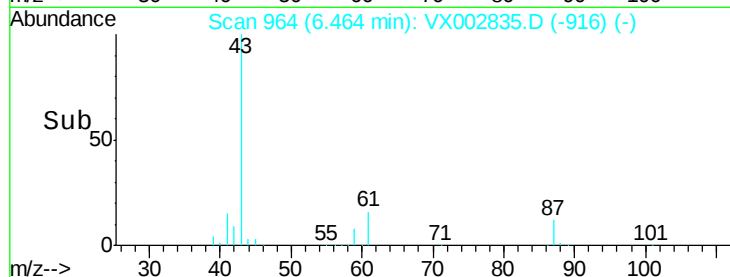
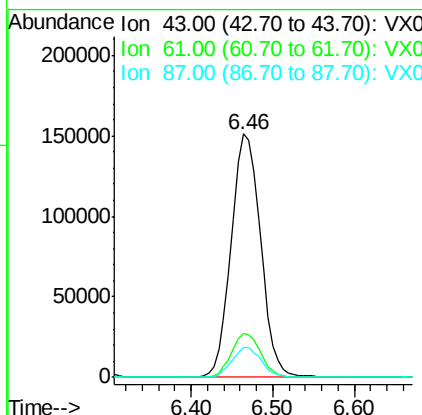
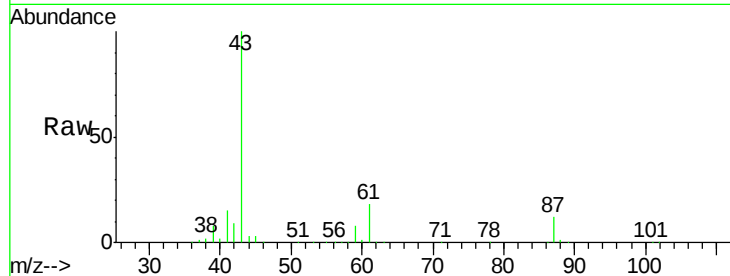
Isopropyl Acetate
 Concen: 55.39 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

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

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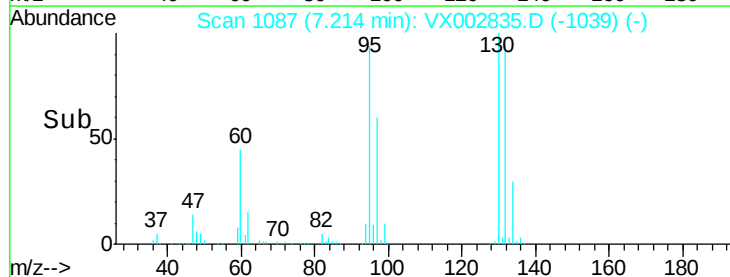
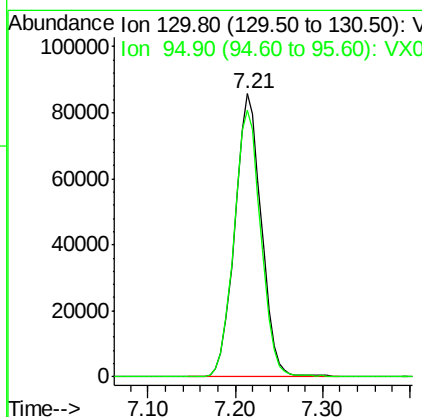
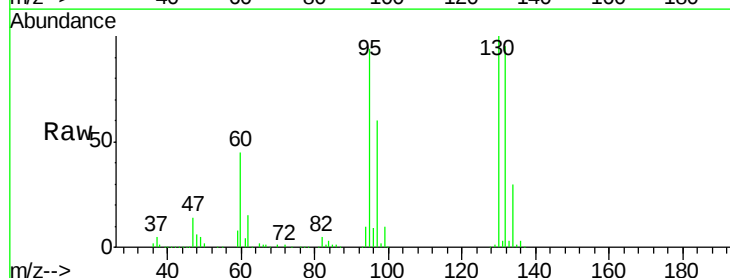
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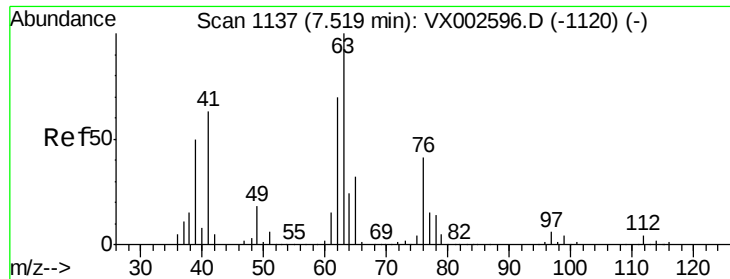


#44

Trichloroethene
 Concen: 57.62 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	185.4





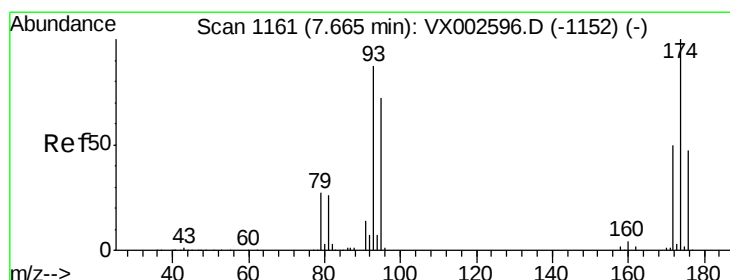
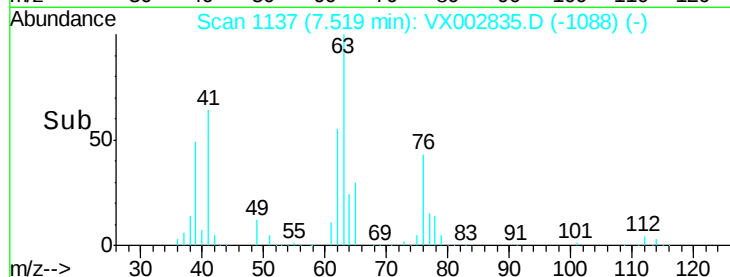
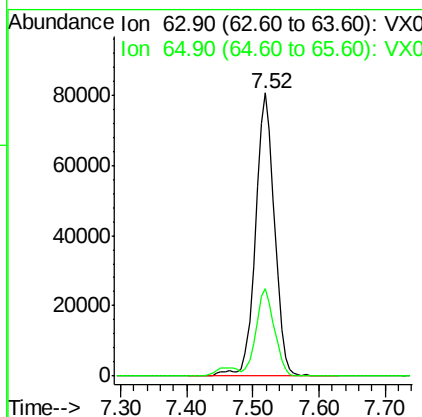
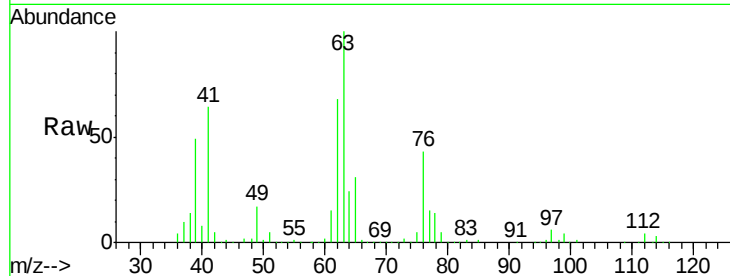
#45
 1,2-Dichloropropane
 Concen: 56.42 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 161843
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

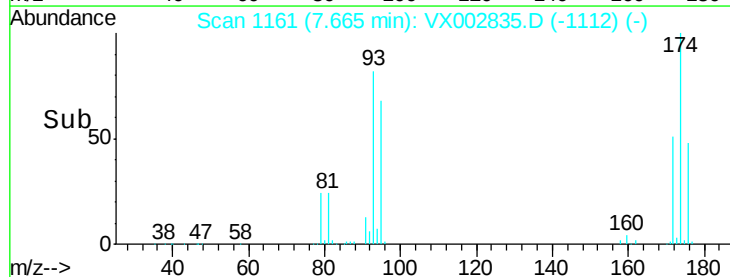
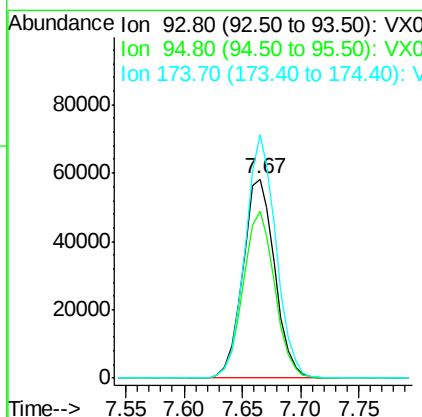
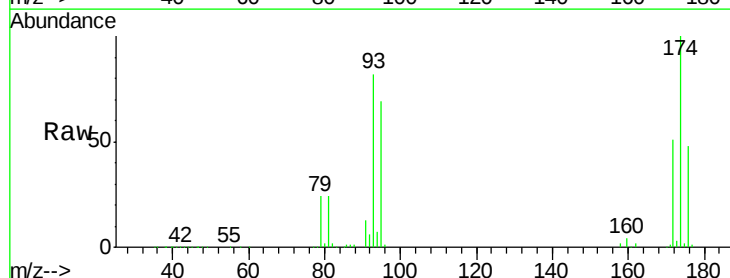
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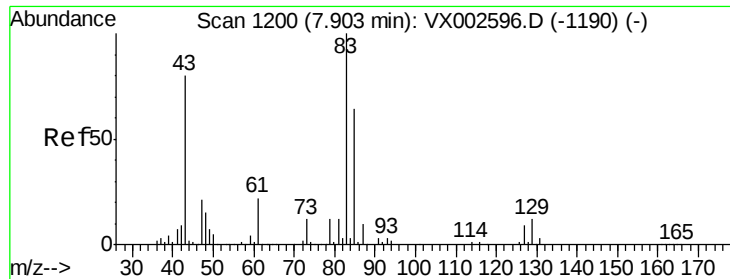
MMDadoda
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#46
 Dibromomethane
 Concen: 57.92 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 93 Resp: 111133
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 117.9 92.4 138.6





#47

Bromodichloromethane

Concen: 63.31 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

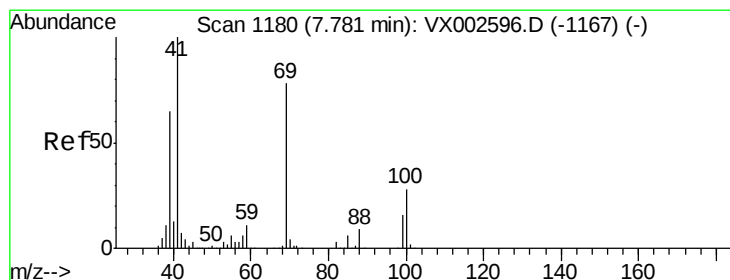
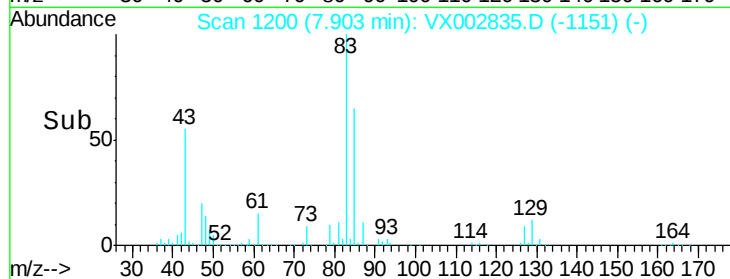
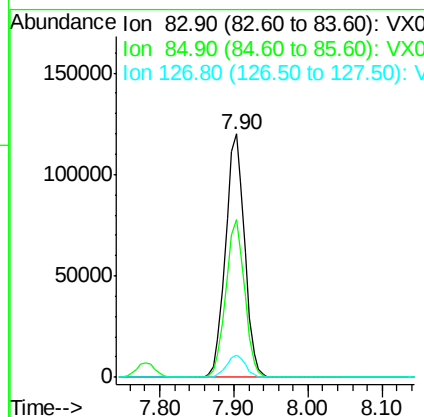
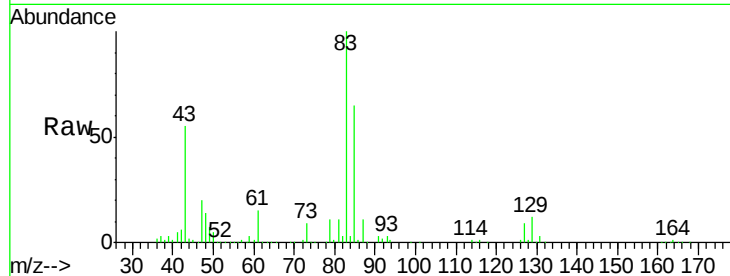
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	214244
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.88 ug/l

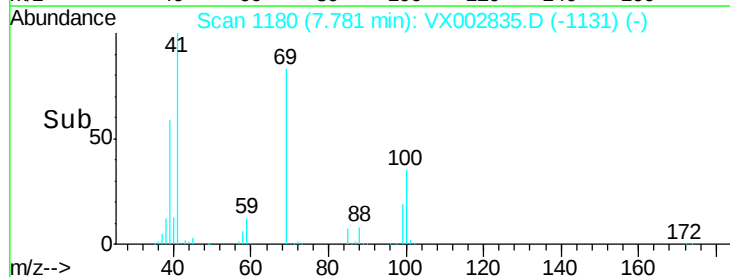
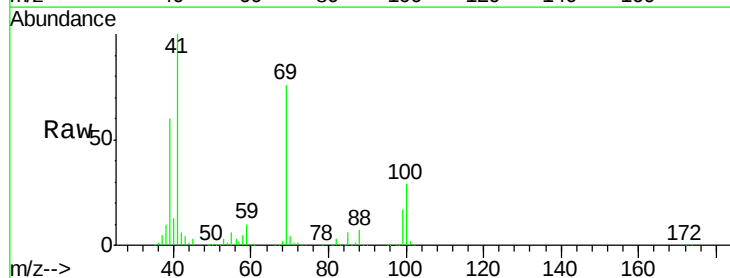
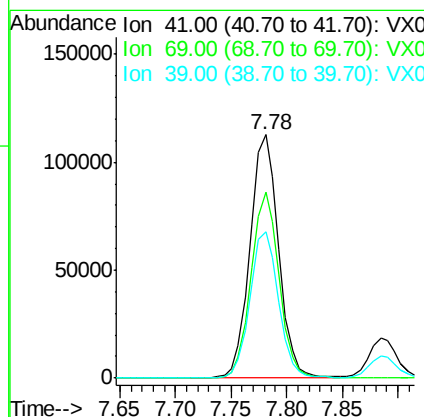
RT: 7.78 min Scan# 1180

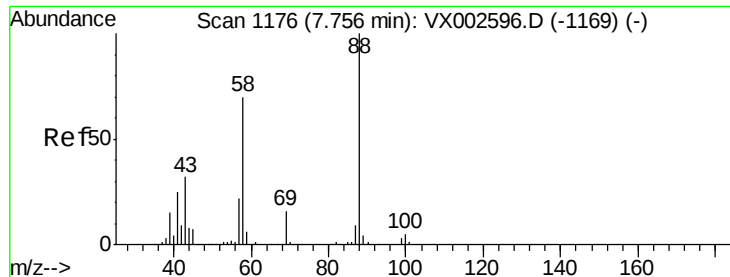
Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	41	Resp:	201614
Ion	Ratio	Lower	Upper
41	100		
69	75.3	59.1	88.7
39	60.0	48.9	73.3





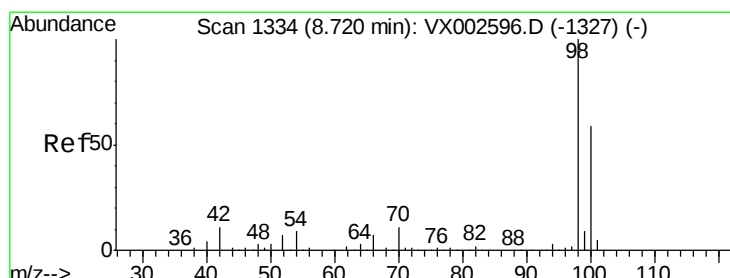
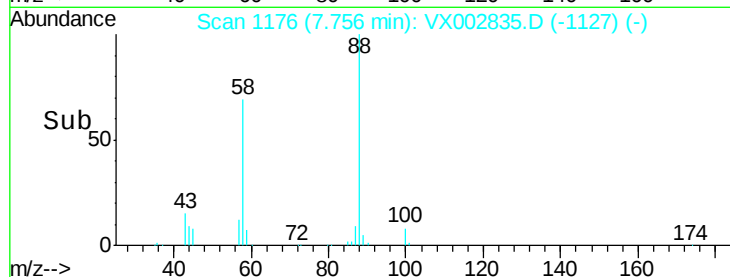
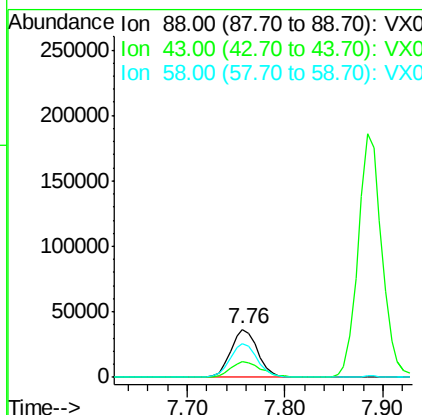
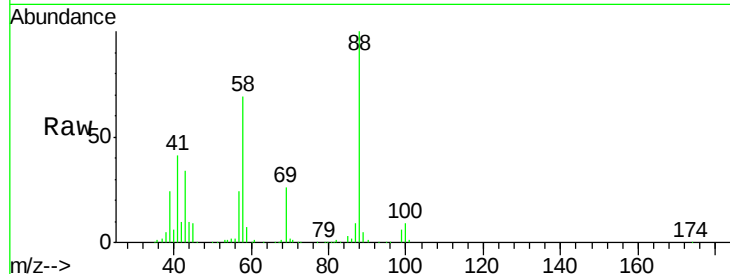
#49
1,4-Dioxane
Concen: 1059.93 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.8	44.6
58	72.1	57.1	85.7

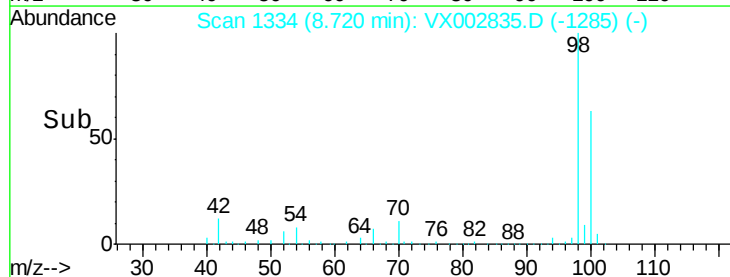
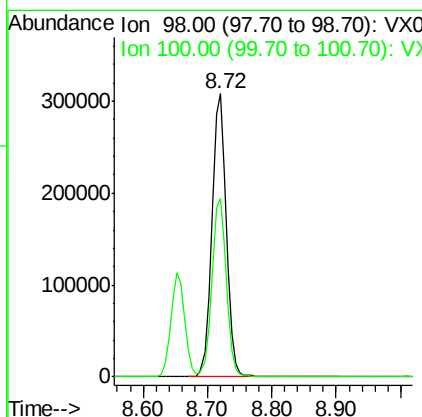
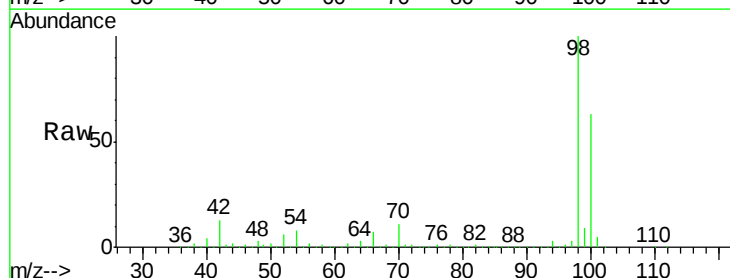
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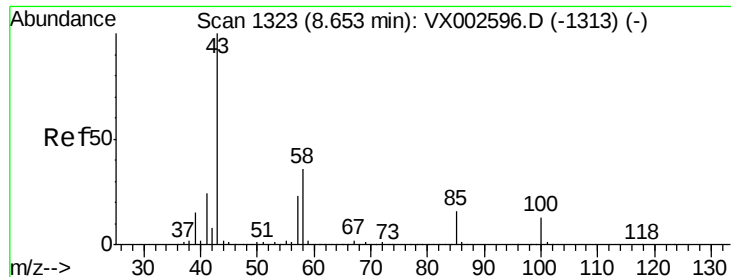
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#50
Toluene-d8
Concen: 46.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.9	76.3





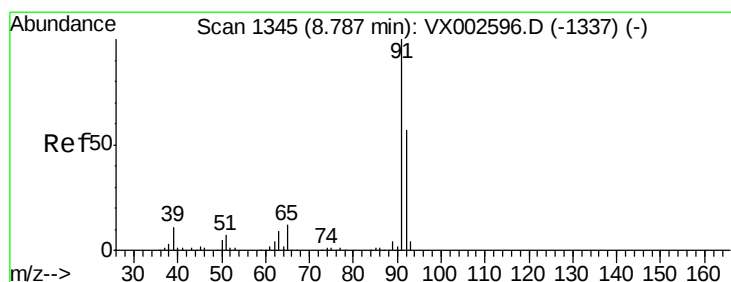
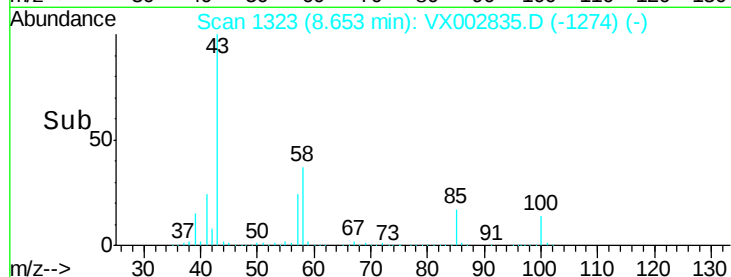
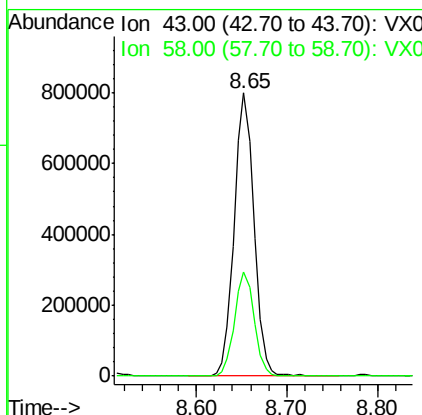
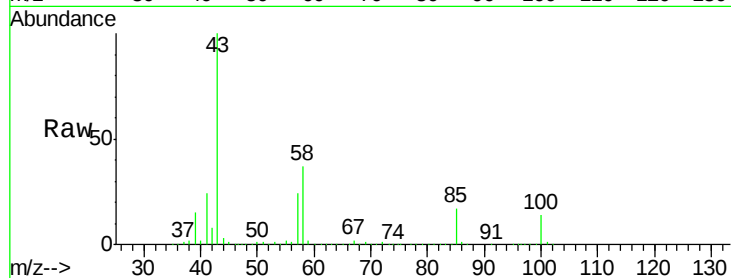
#51
4-Methyl-2-Pentanone
Concen: 277.31 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1213597
Ion Ratio Lower Upper
43 100
58 36.5 28.6 42.8

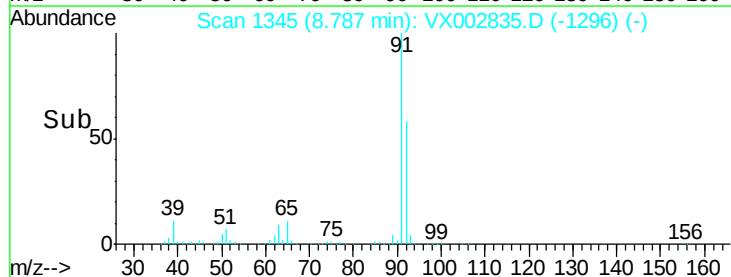
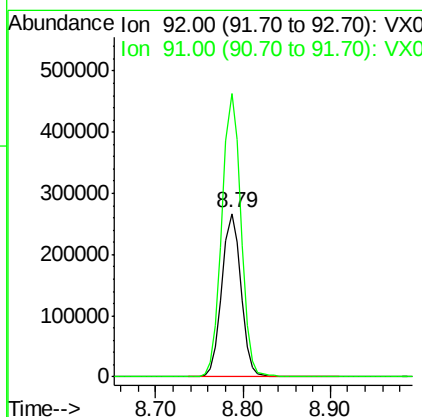
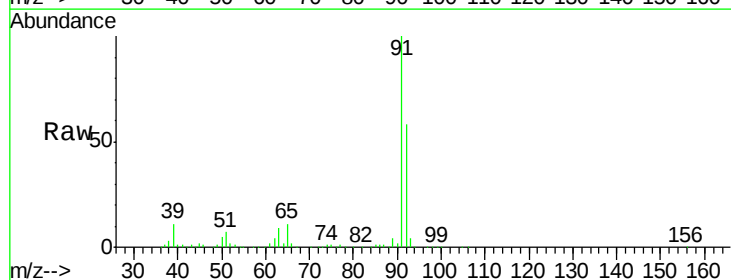
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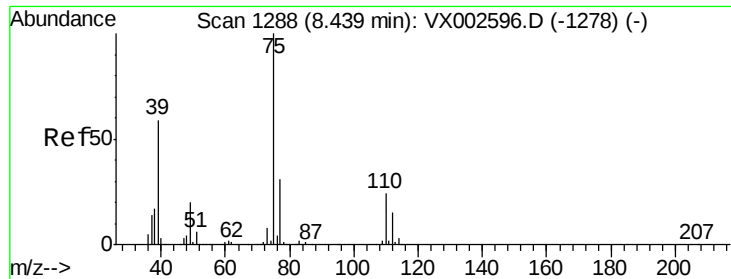
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#52
Toluene
Concen: 58.05 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 92 Resp: 403594
Ion Ratio Lower Upper
92 100
91 173.5 140.4 210.6





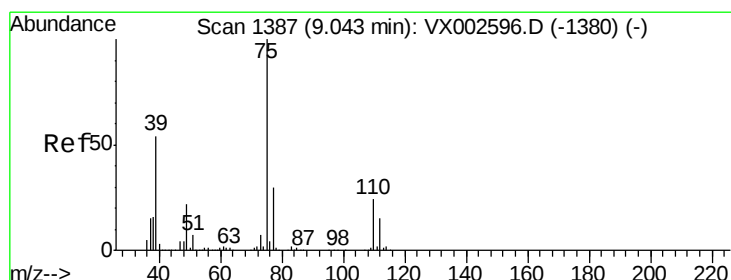
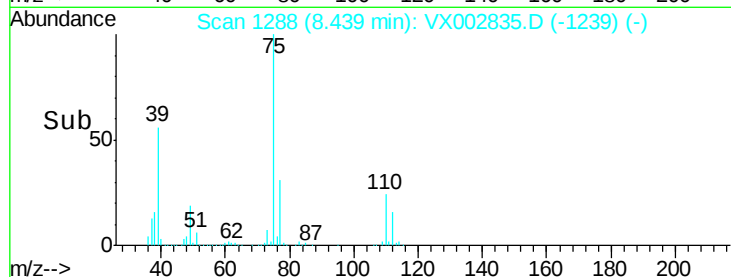
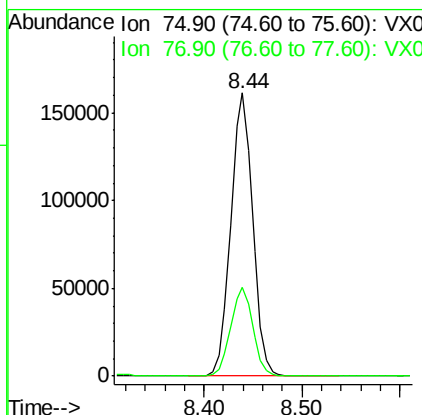
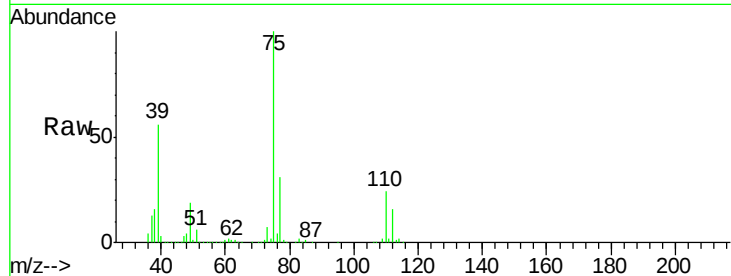
#53
t-1,3-Dichloropropene
Concen: 55.63 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

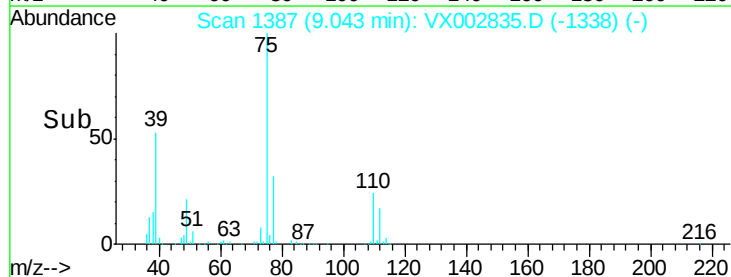
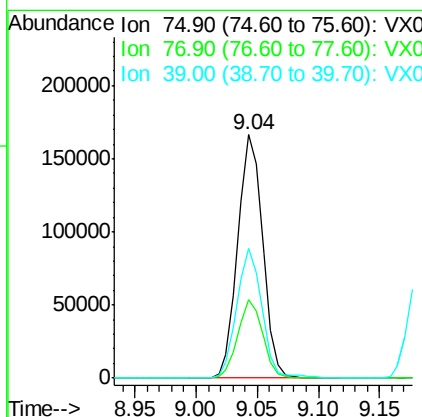
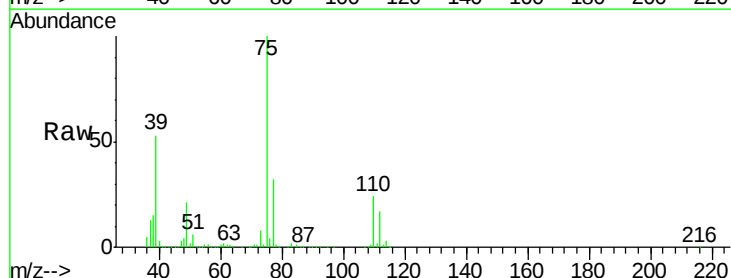
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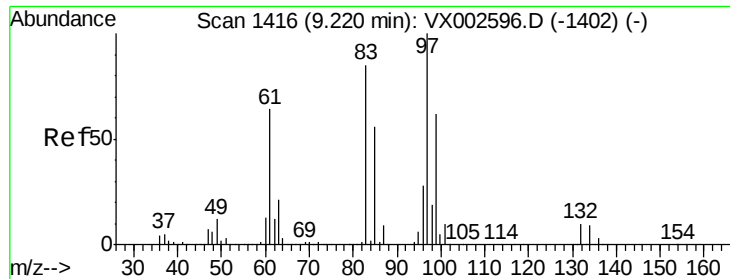
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#54
cis-1,3-Dichloropropene
Concen: 54.52 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	53.0	42.4	63.6





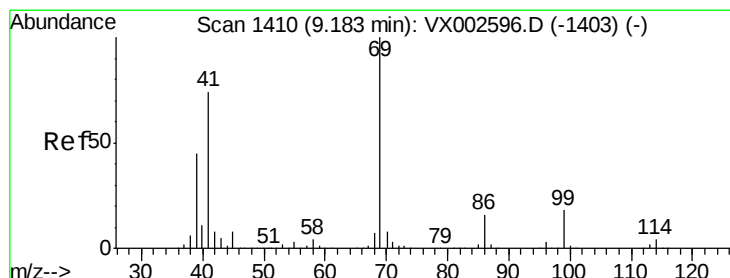
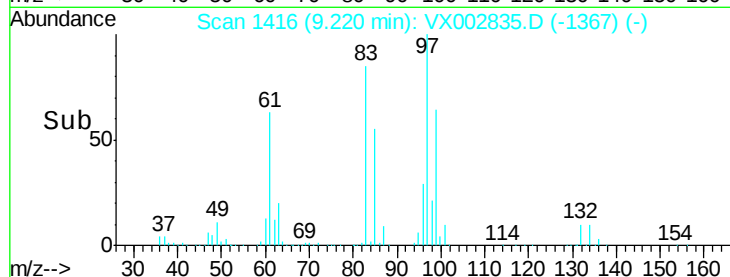
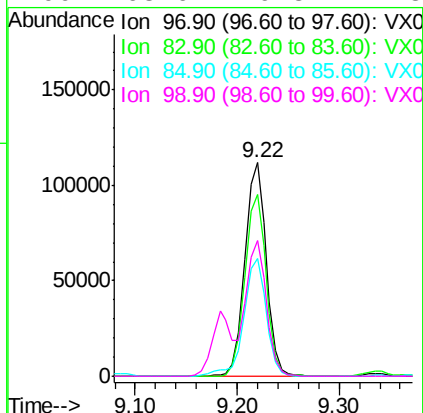
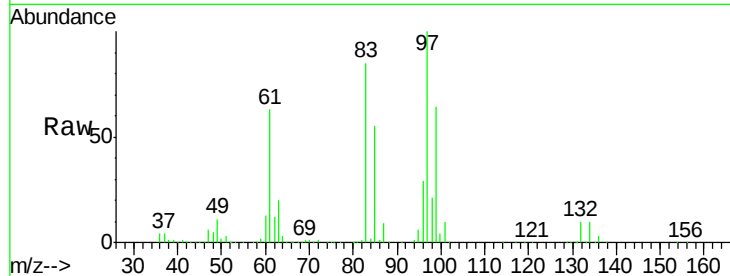
#55
 1,1,2-Trichloroethane
 Concen: 57.87 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	162558
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.2	105.2
85	54.9	44.9	67.3
99	63.6	49.8	74.8

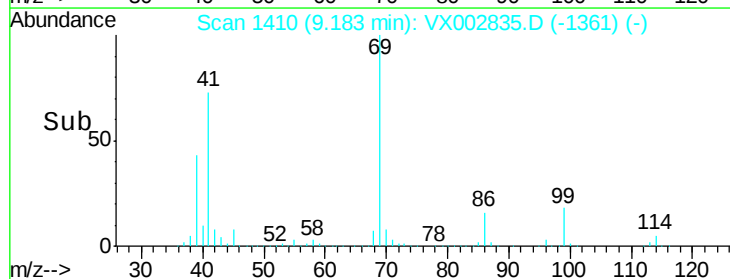
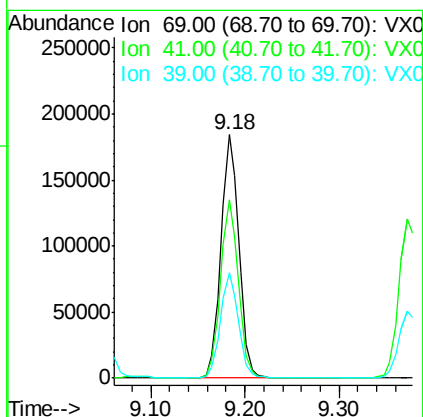
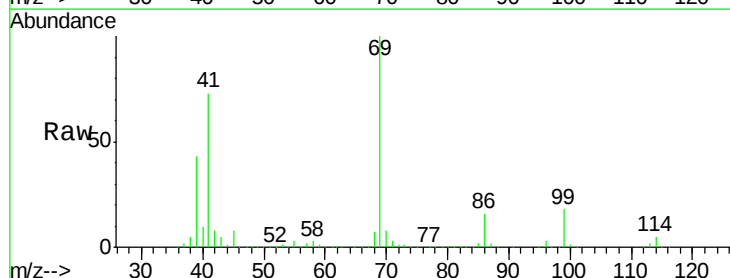
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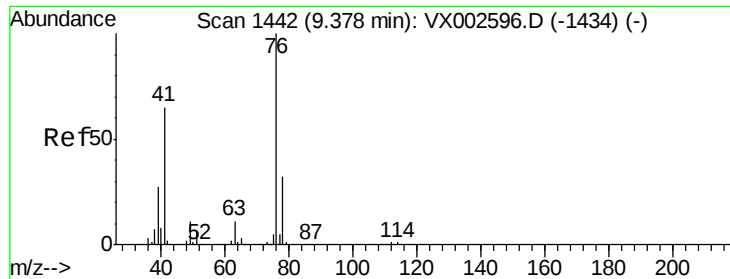
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#56
 Ethyl methacrylate
 Concen: 56.57 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion:	69	Resp:	244544
Ion	Ratio	Lower	Upper
69	100		
41	72.5	60.3	90.5
39	43.0	35.8	53.8





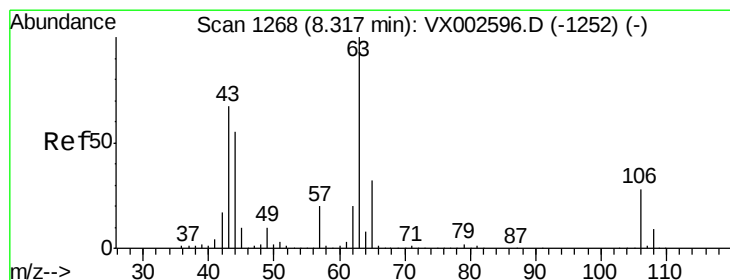
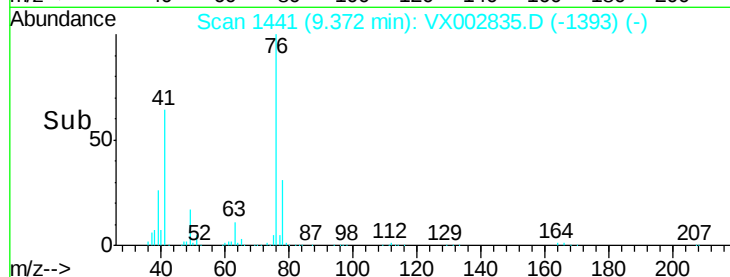
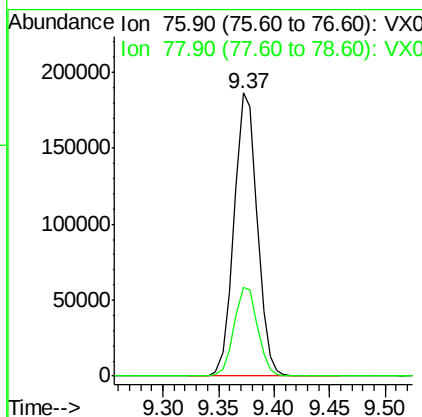
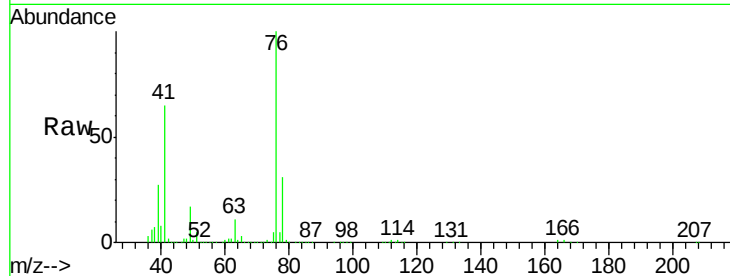
#57
 1,3-Dichloropropane
 Concen: 56.63 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 269033
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

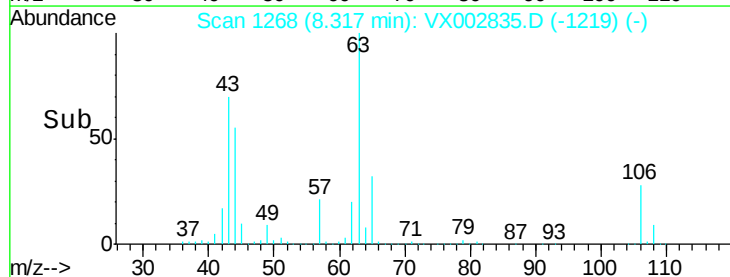
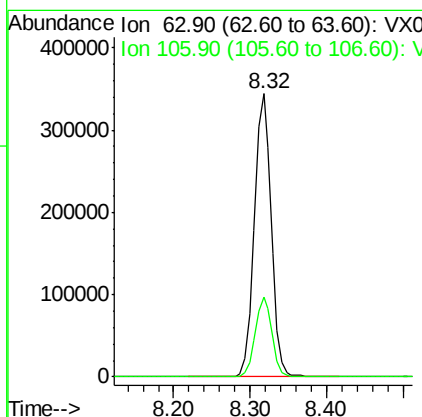
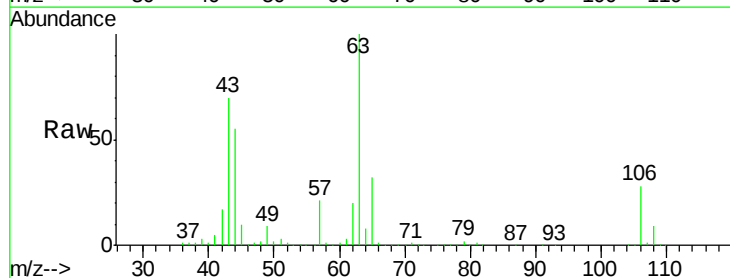
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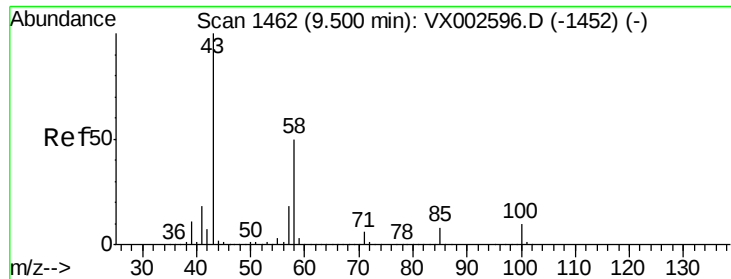
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#58
 2-Chloroethyl Vinyl ether
 Concen: 254.02 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 63 Resp: 531130
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.8 32.8





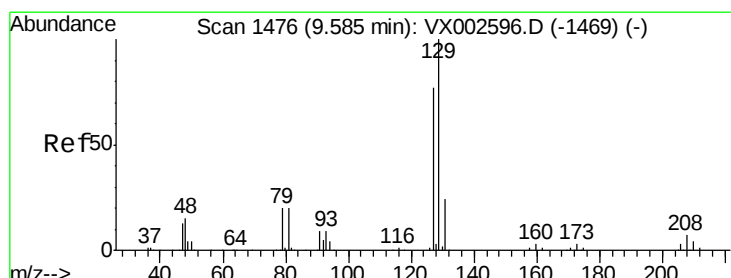
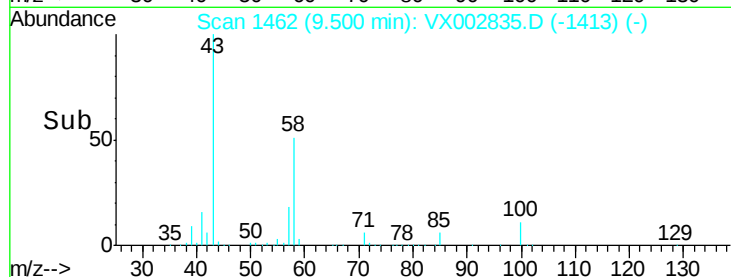
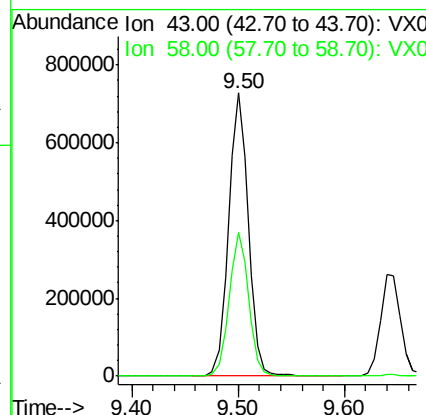
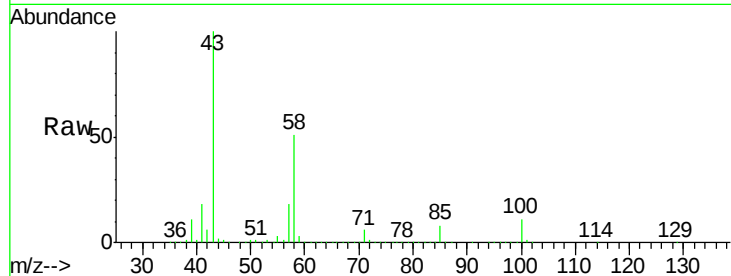
#59
2-Hexanone
Concen: 285.71 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 942191
Ion Ratio Lower Upper
43 100
58 50.2 24.6 73.6

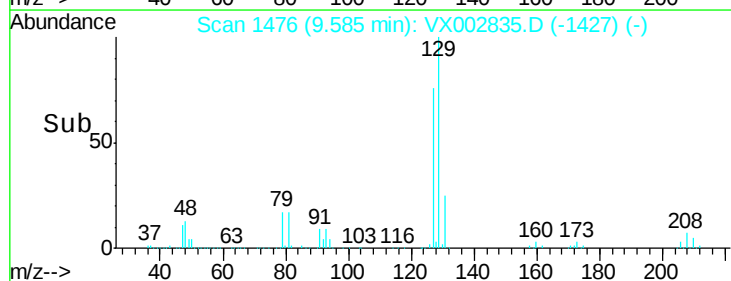
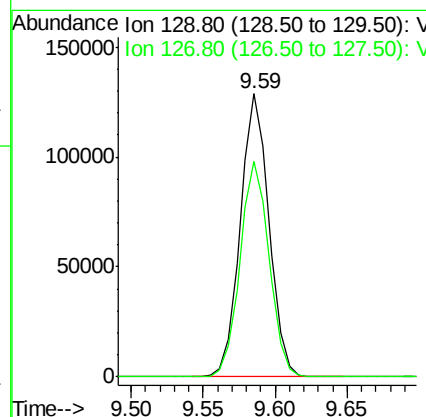
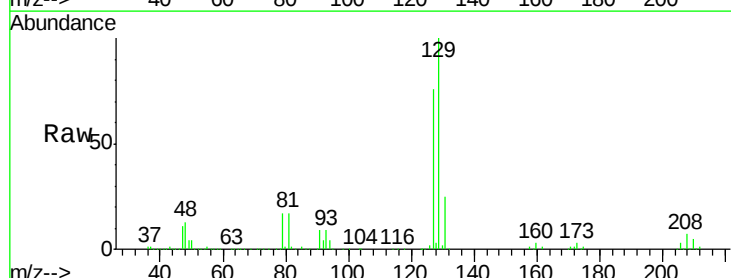
Manual Integrations
APPROVED

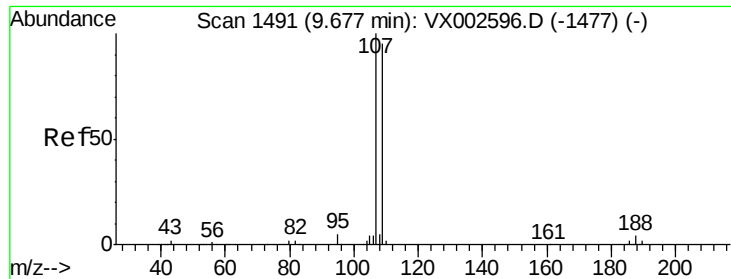
MMDadoda
6/25/2018 6:56:06 PM



#60
Dibromochloromethane
Concen: 55.85 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 129 Resp: 177977
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 59.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 173409

Ion Ratio Lower Upper

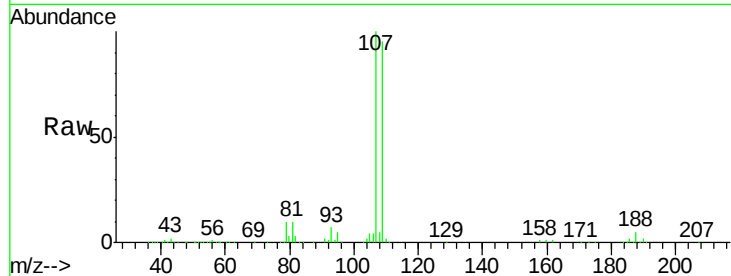
107 100

109 94.0 75.3 112.9

Manual Integrations
APPROVED

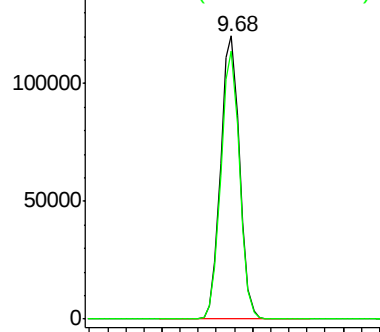
MMDadoda

6/25/2018 6:56:06 PM

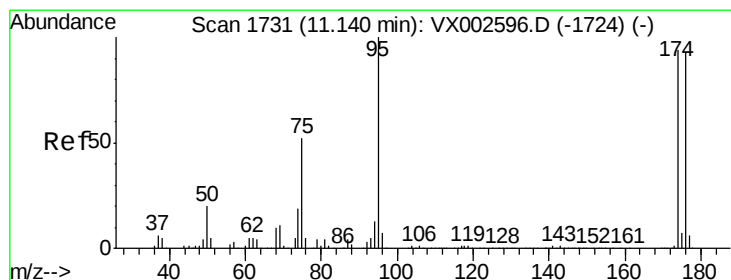
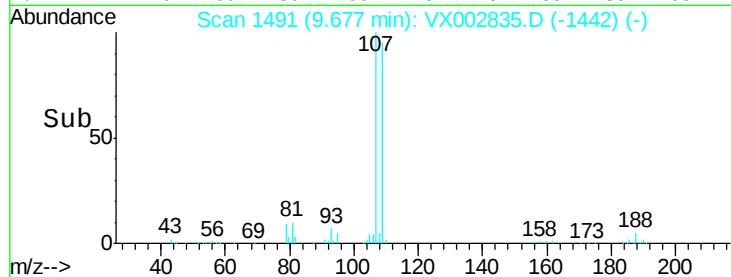


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

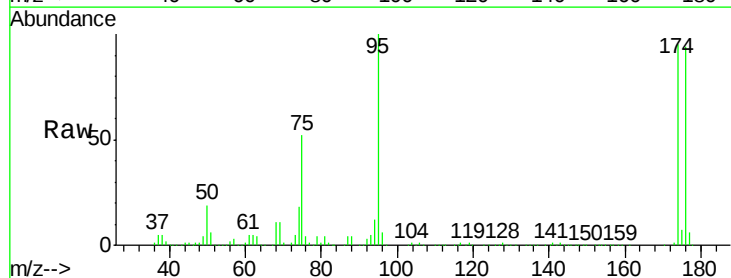
Tgt Ion: 95 Resp: 196247

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.4

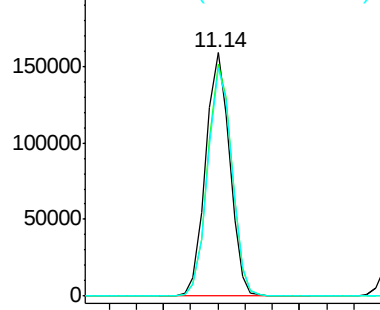
176 94.5 0.0 181.0



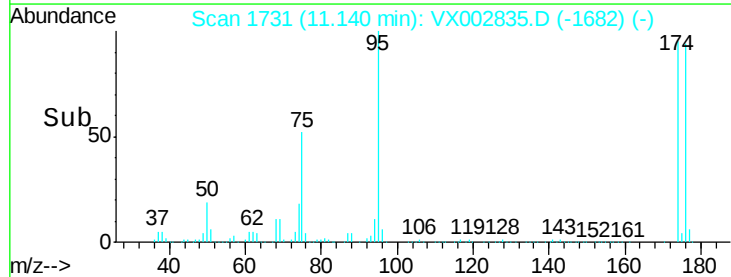
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

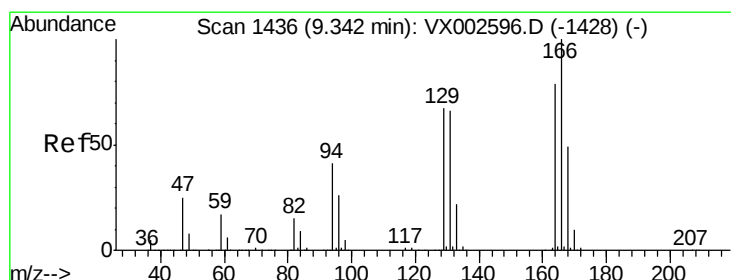
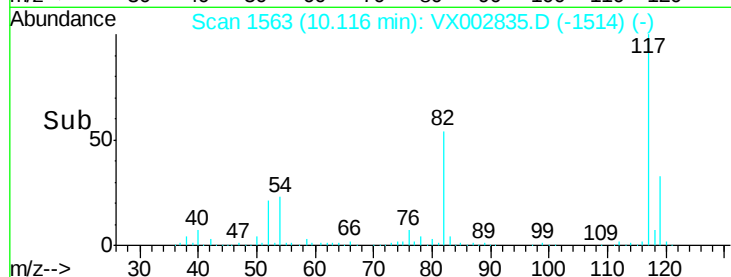
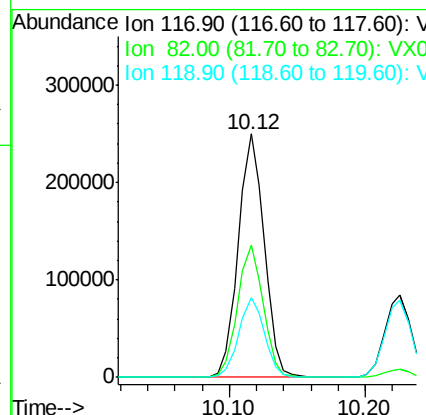
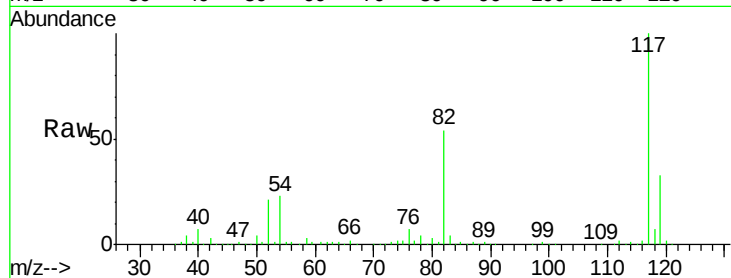
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	331470
Ion Ratio	Lower	Upper	
117	100		
82	54.3	45.0	67.4
119	32.8	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 56.66 ug/l

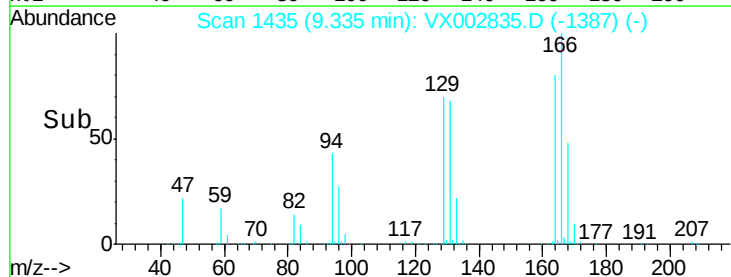
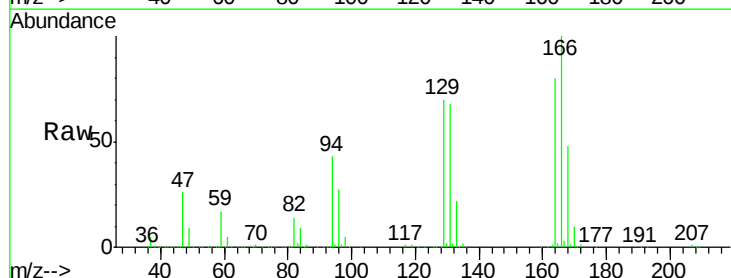
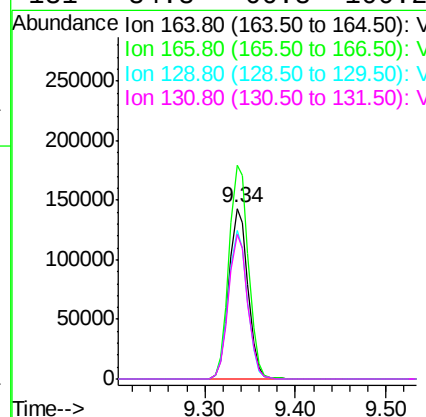
RT: 9.34 min Scan# 1435

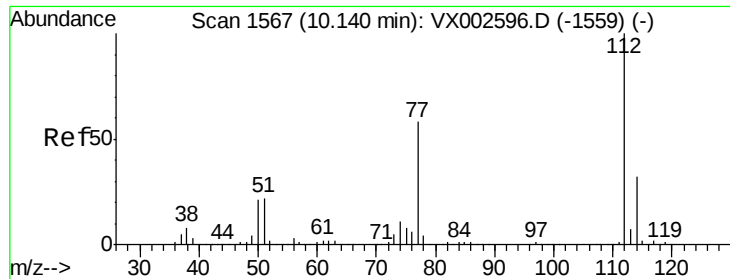
Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	164	Resp:	208489
Ion Ratio	Lower	Upper	
164	100		
166	125.4	102.9	154.3
129	87.5	68.6	102.8
131	84.8	66.8	100.2





#65

Chlorobenzene

Concen: 57.50 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 468073

Ion Ratio Lower Upper

112 100

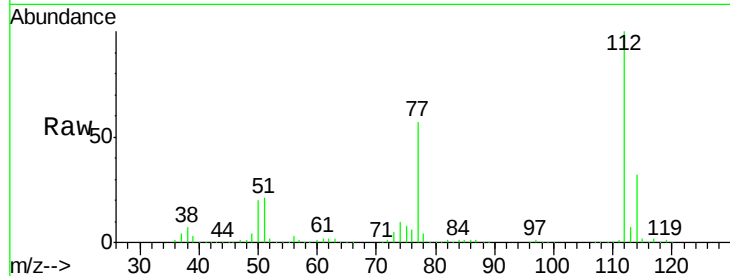
114 31.7 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

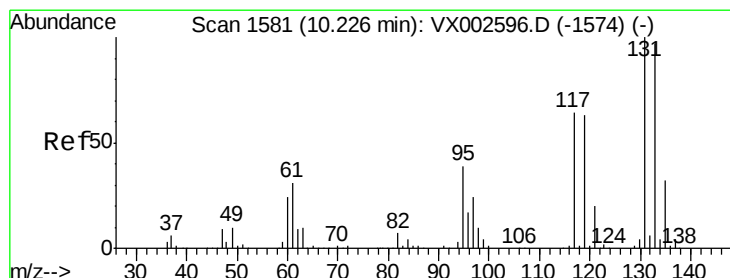
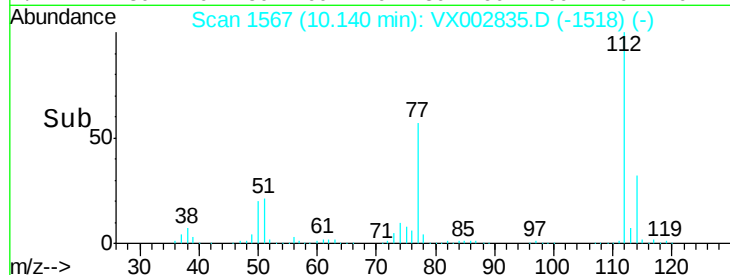
300000

200000

100000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 62.18 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

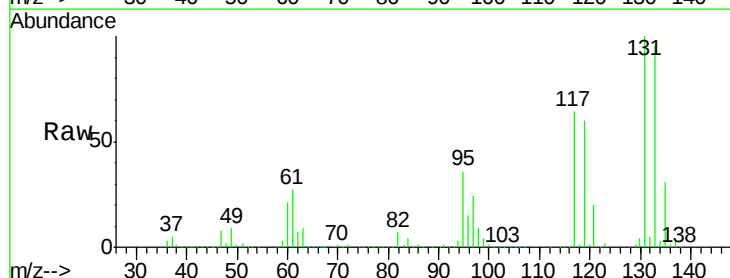
Tgt Ion:131 Resp: 172566

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

119 62.1 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

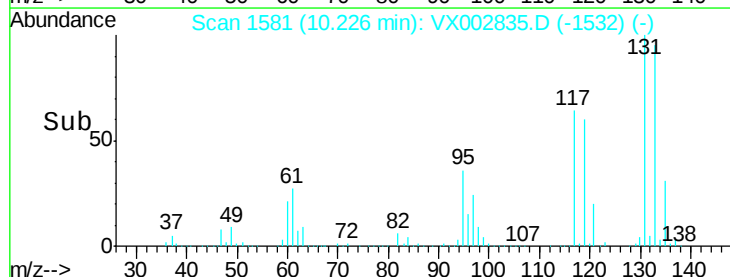
150000

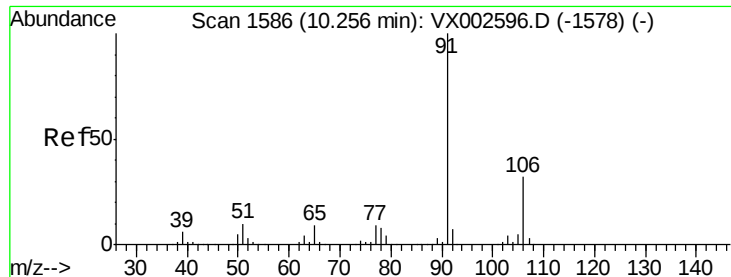
100000

50000

0

Time--> 10.20 10.30





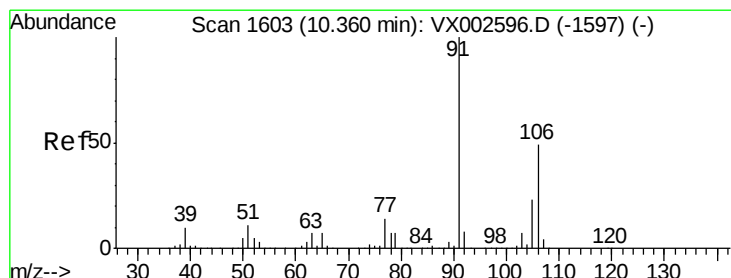
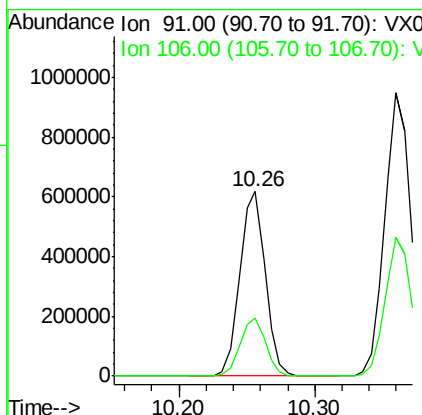
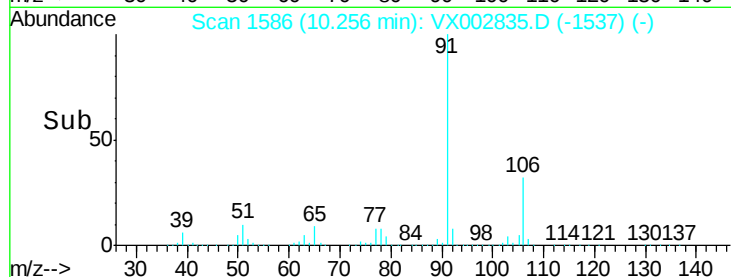
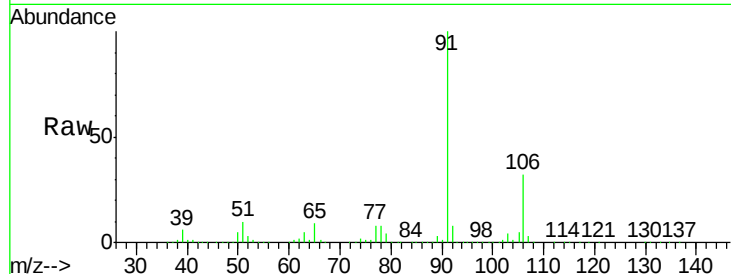
#67
Ethyl Benzene
Concen: 58.68 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 805766
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

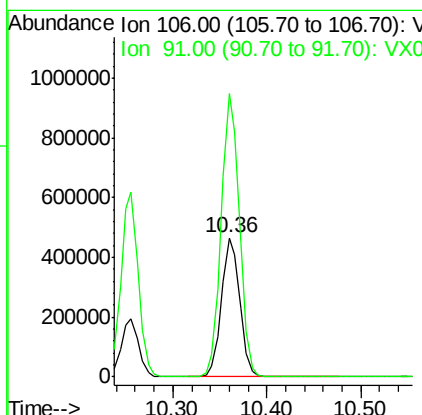
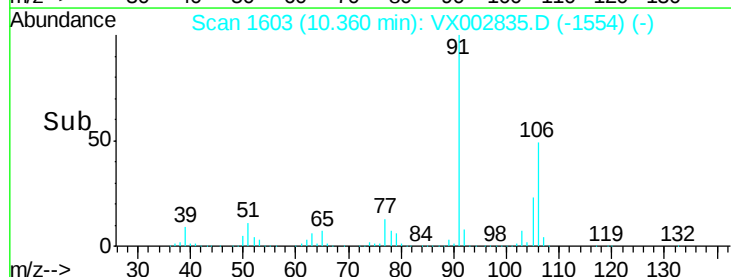
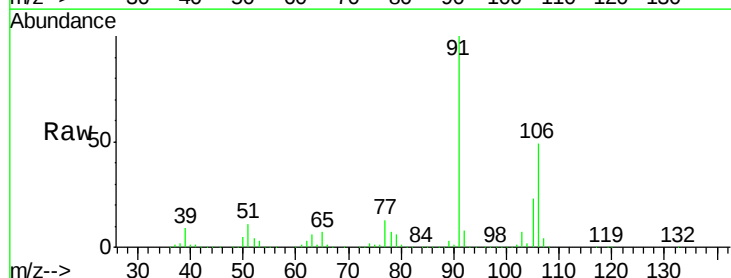
Manual Integrations
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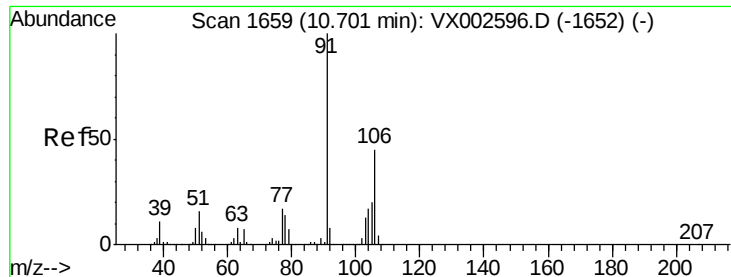
MMDadoda
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#68
m/p-Xylenes
Concen: 118.05 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 106 Resp: 625222
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2





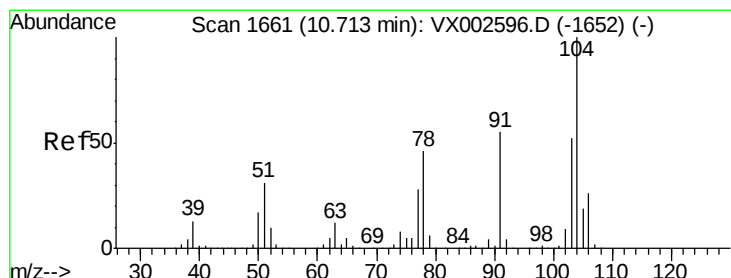
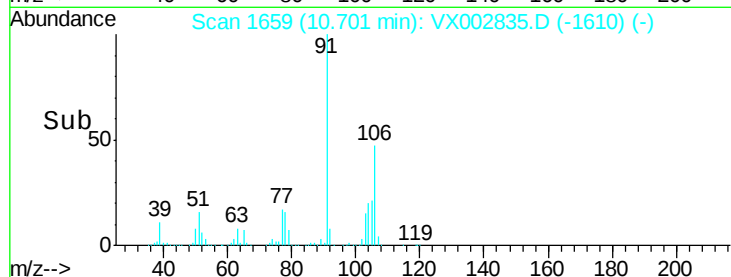
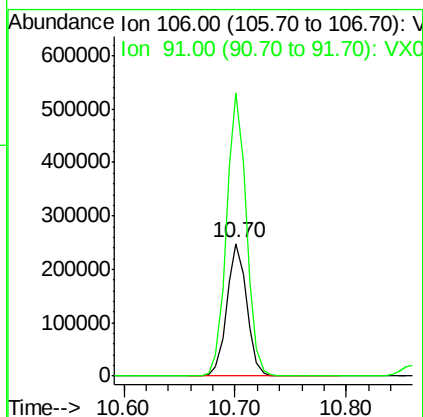
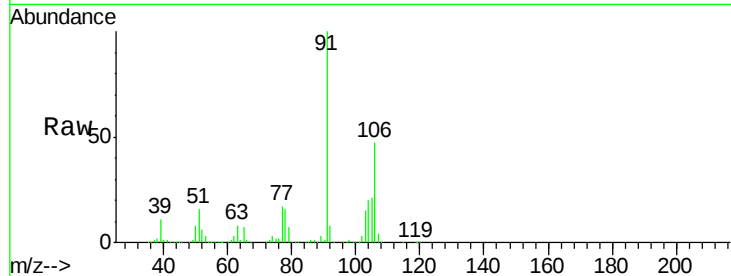
#69
o-Xylene
Concen: 58.18 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 302737
Ion Ratio Lower Upper
106 100
91 214.0 108.2 324.6

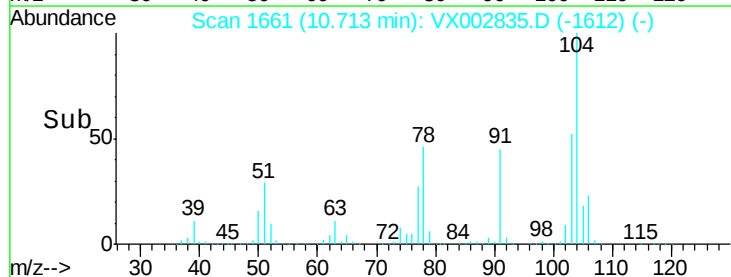
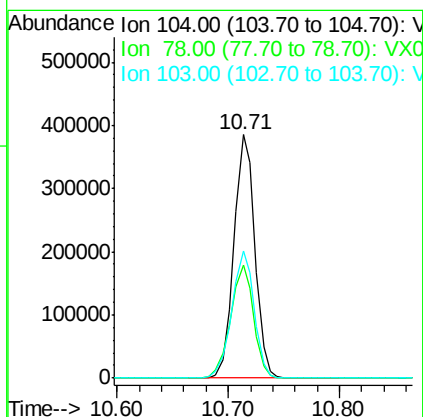
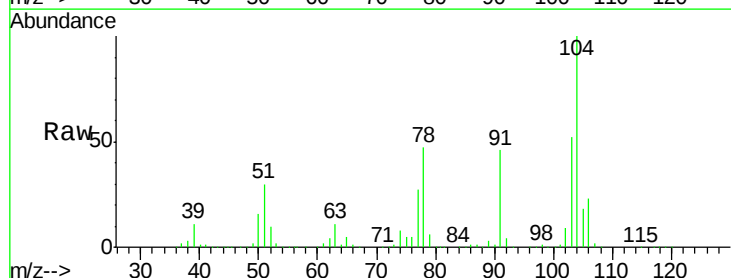
Manual Integrations
APPROVED

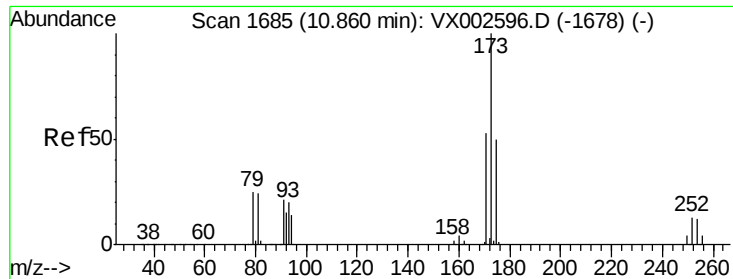
MMDadoda
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#70
Styrene
Concen: 58.59 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion:104 Resp: 501434
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.6
103 55.7 44.2 66.4





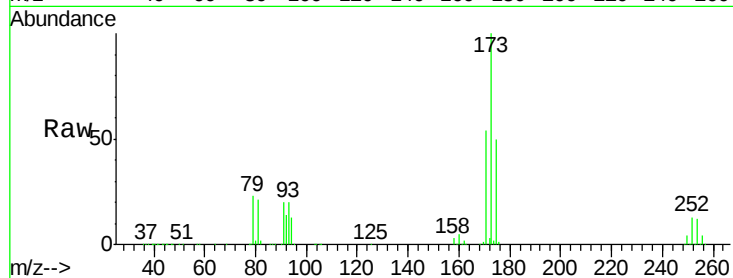
#71
Bromoform
Concen: 53.98 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

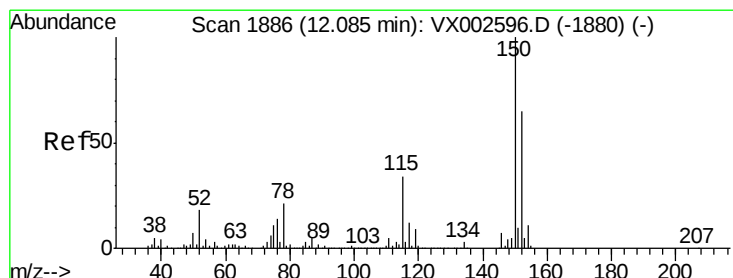
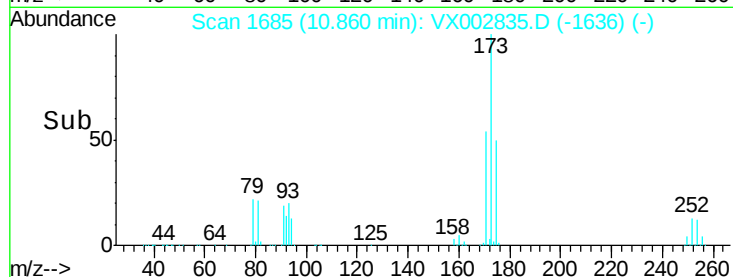
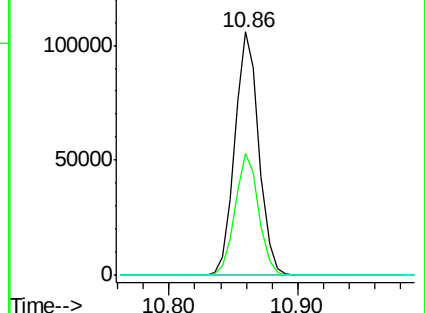
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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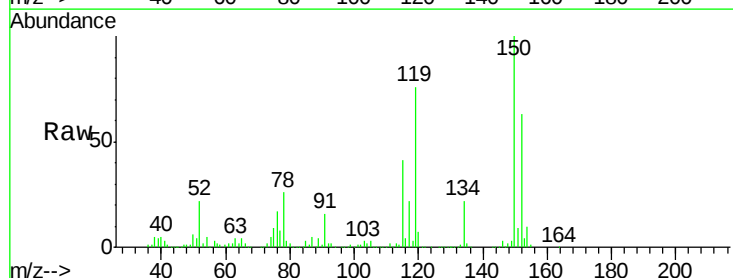


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

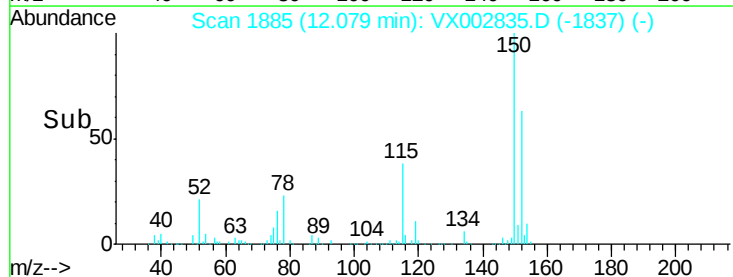
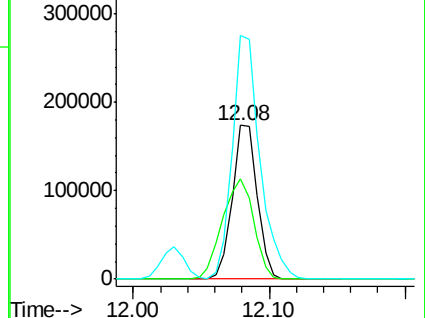


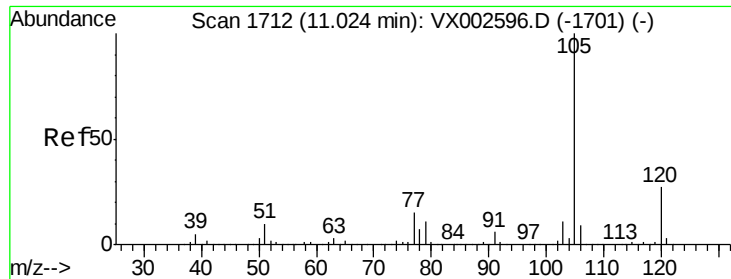
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.4	40.1	120.2
150	176.8	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 834560

Ion Ratio Lower Upper

105 100

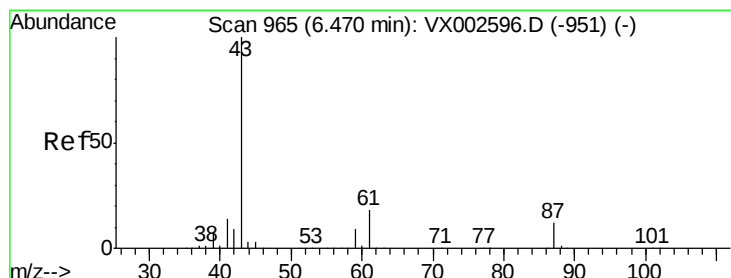
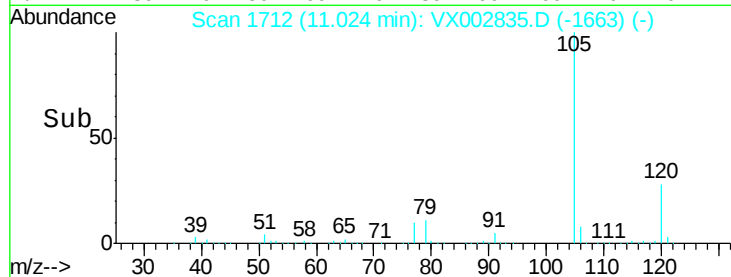
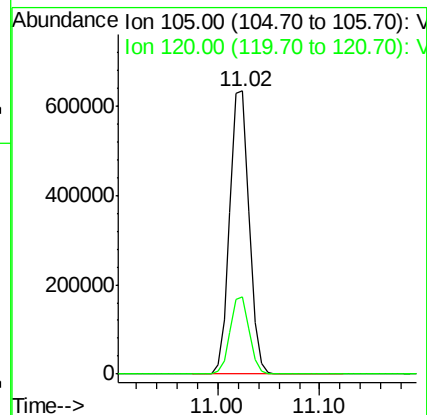
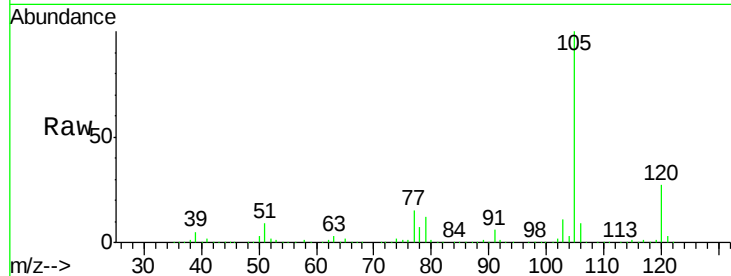
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.52 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion: 43 Resp: 377518

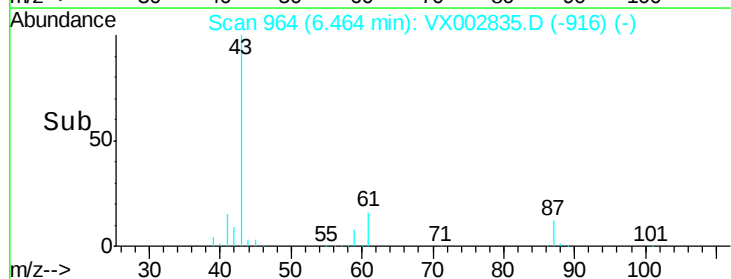
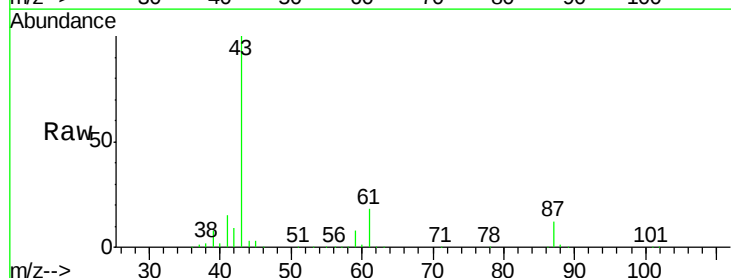
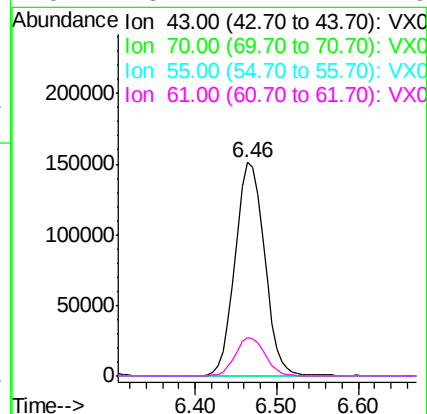
Ion Ratio Lower Upper

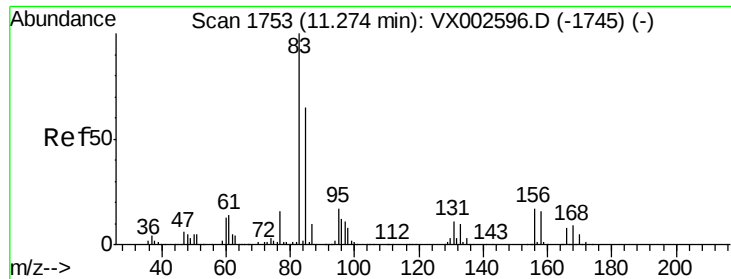
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.68 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

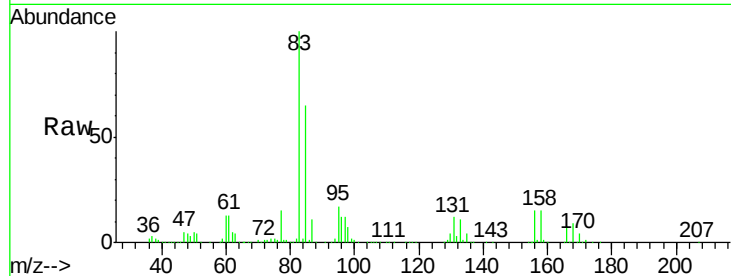
ClientSampleId :

VSTDCCC050

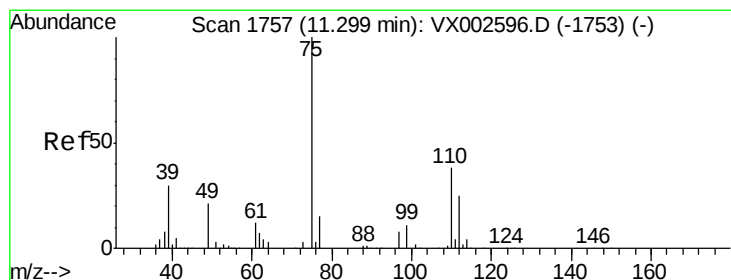
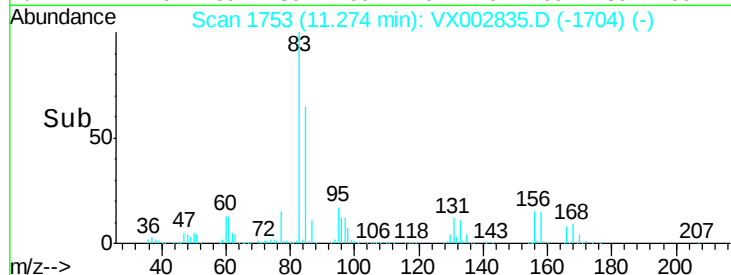
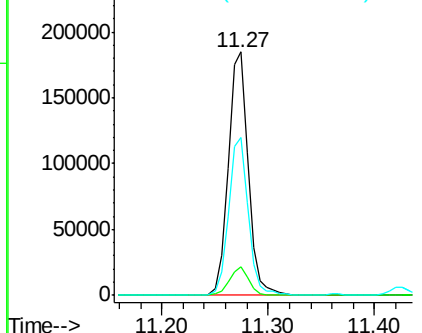
Tot Ion:	83	Resp:	242520
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.2	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 52.07 ug/l m

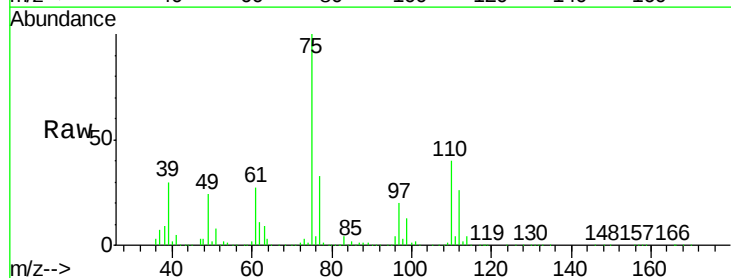
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

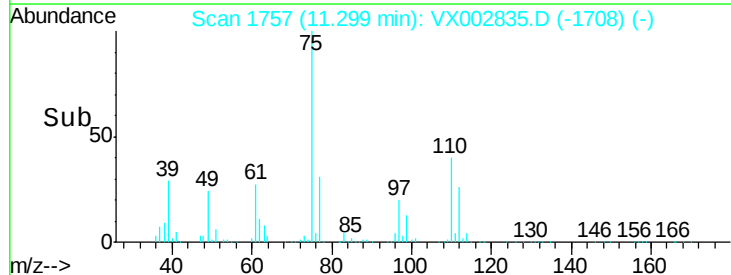
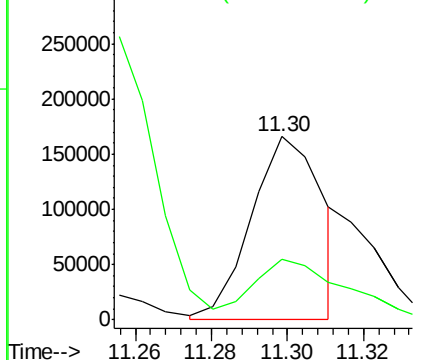
Lab File: VX002835.D

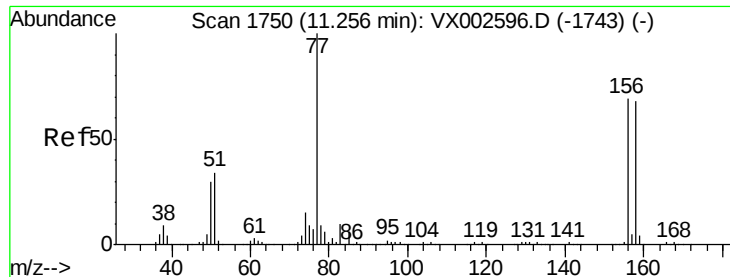
Acq: 22 Jun 2018 16:31

Tgt Ion:	75	Resp:	216693
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.8	68.3



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





#77

Bromobenzene

Concen: 55.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

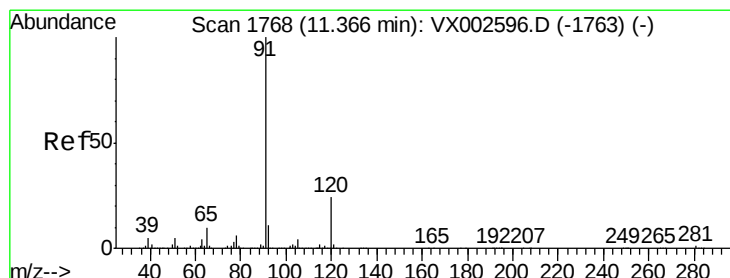
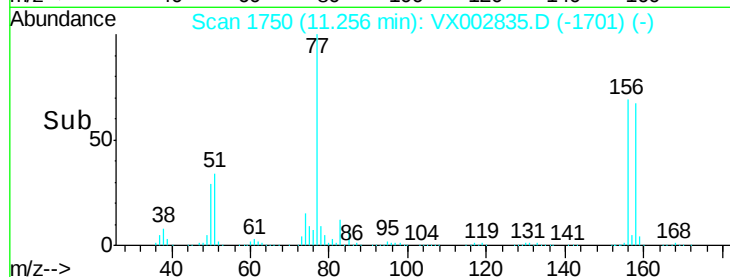
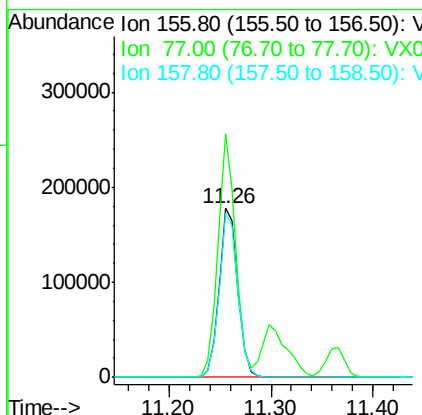
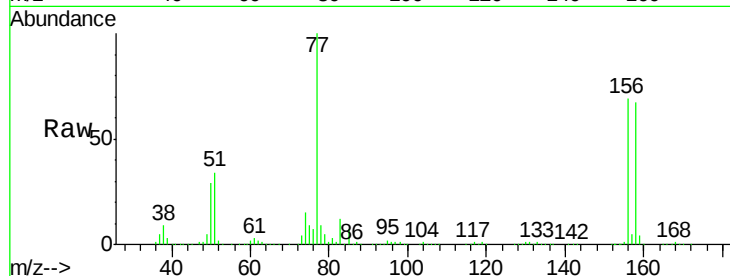
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	227467
Ion Ratio	Lower	Upper	
156	100		
77	138.5	71.4	214.2
158	96.8	48.9	146.6

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#78

n-propylbenzene

Concen: 56.99 ug/l

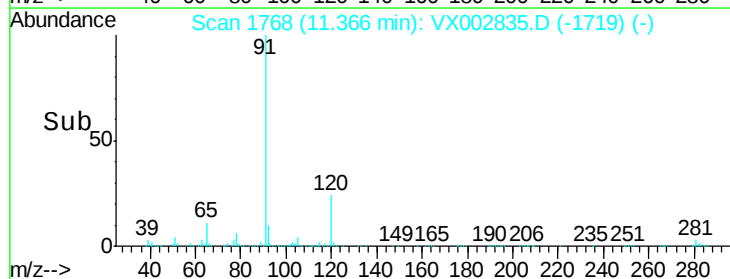
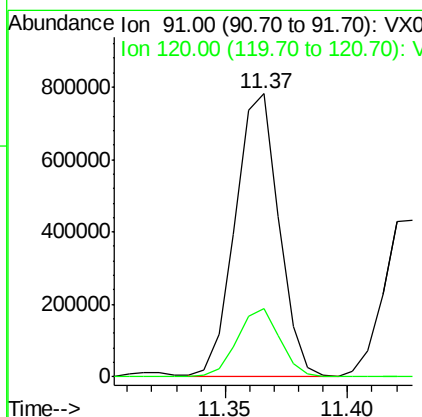
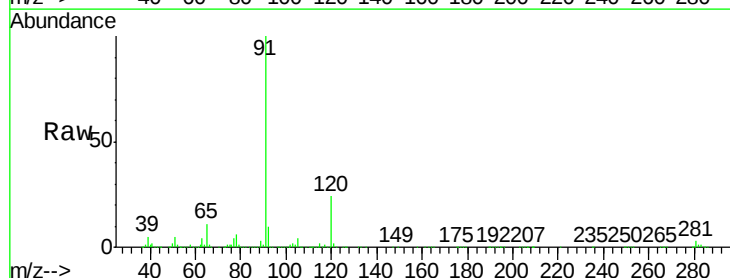
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	91	Resp:	964007
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 55.42 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 559744

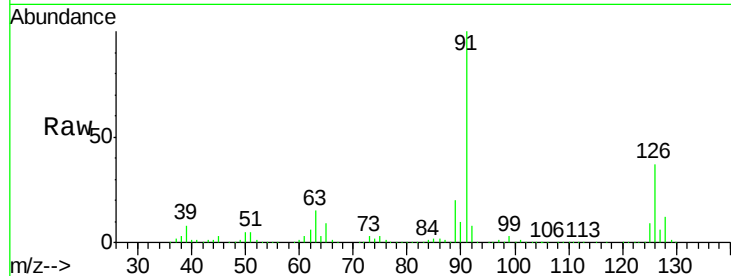
Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1

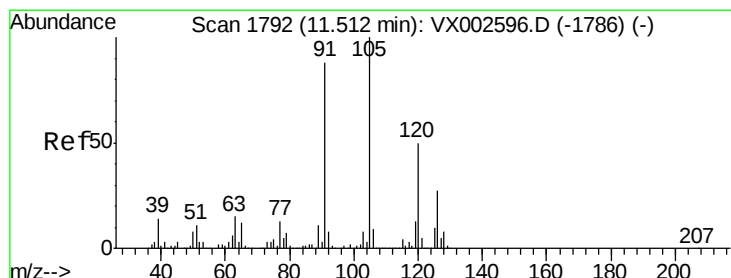
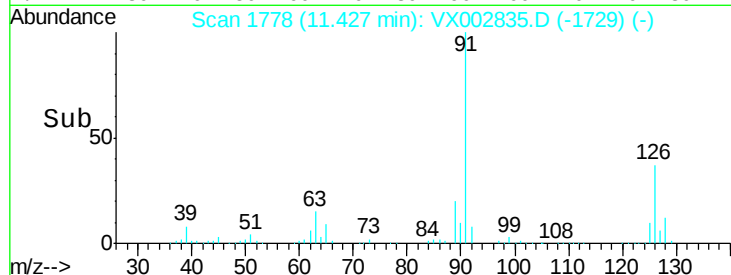
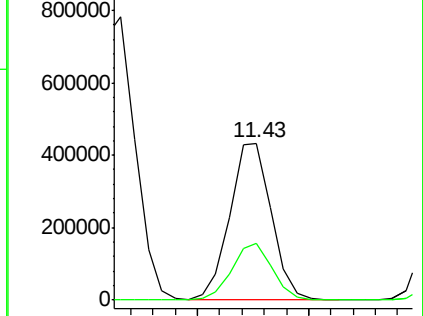
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002835.D

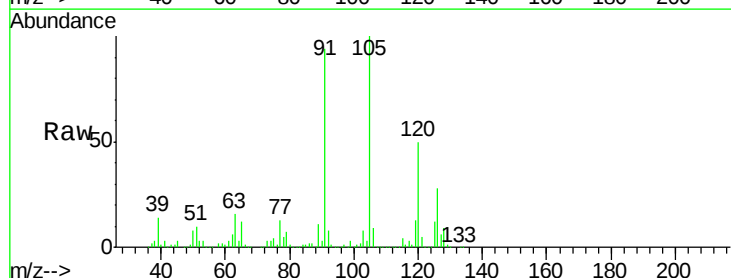
Acq: 22 Jun 2018 16:31

Tgt Ion: 105 Resp: 711380

Ion Ratio Lower Upper

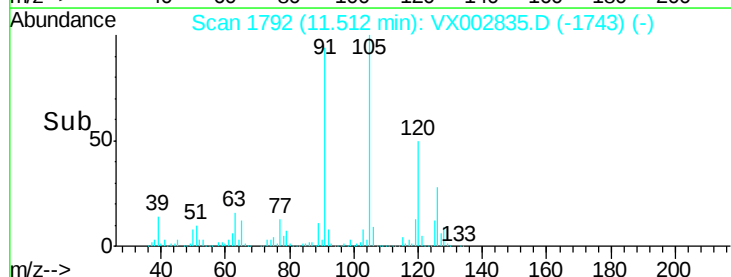
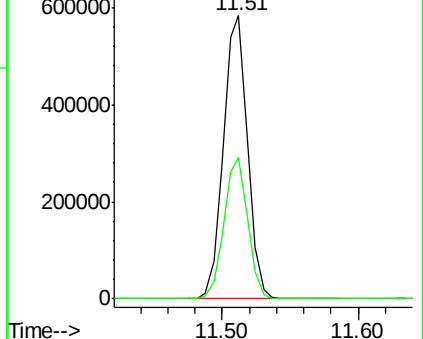
105 100

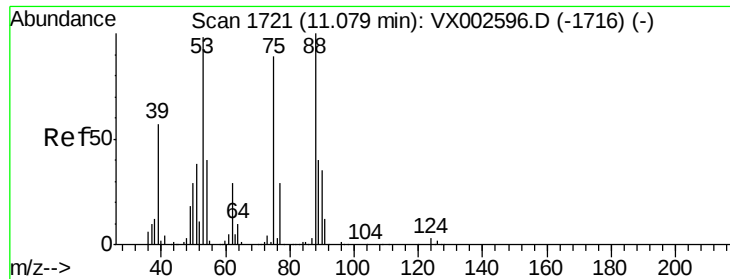
120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.42 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 69877

Ion Ratio Lower Upper

75 100

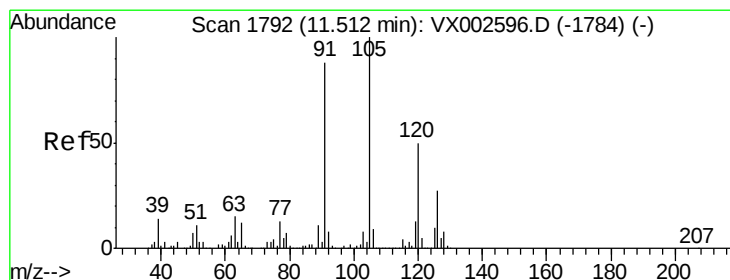
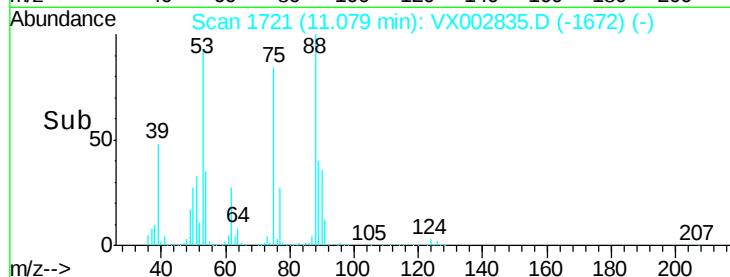
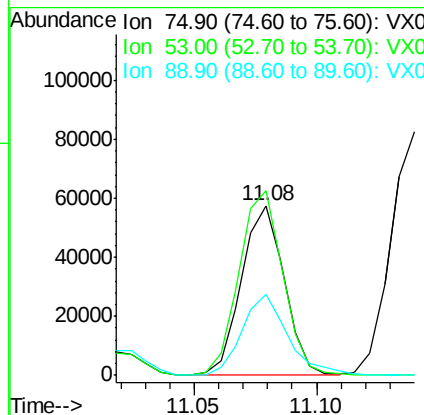
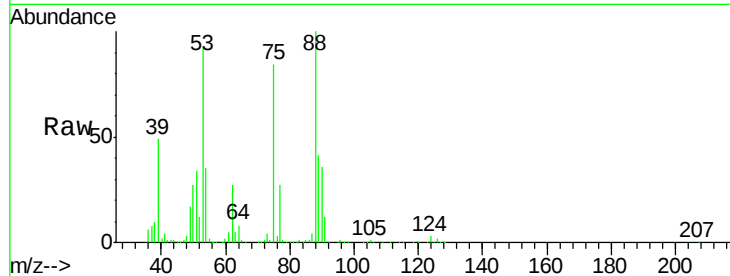
53 113.0 86.8 130.2

89 51.9 38.2 57.2

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#82

4-Chlorotoluene

Concen: 56.55 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002835.D

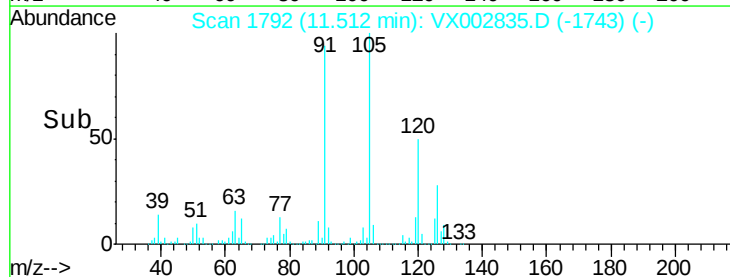
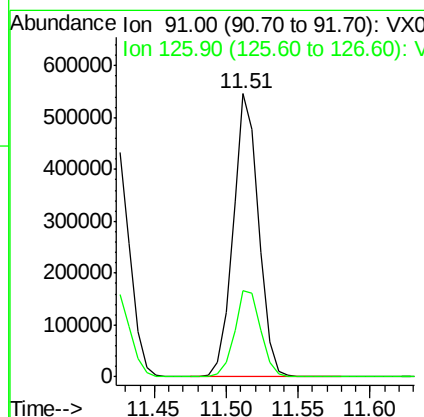
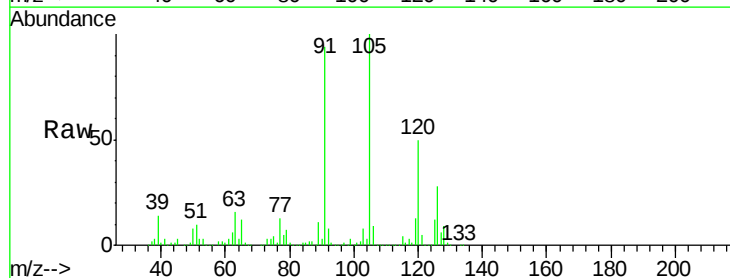
Acq: 22 Jun 2018 16:31

Tgt Ion: 91 Resp: 673884

Ion Ratio Lower Upper

91 100

126 31.4 15.4 46.4





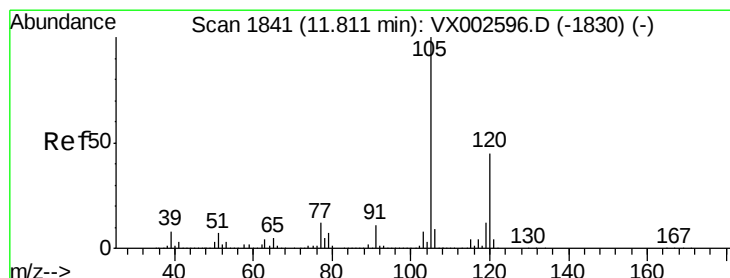
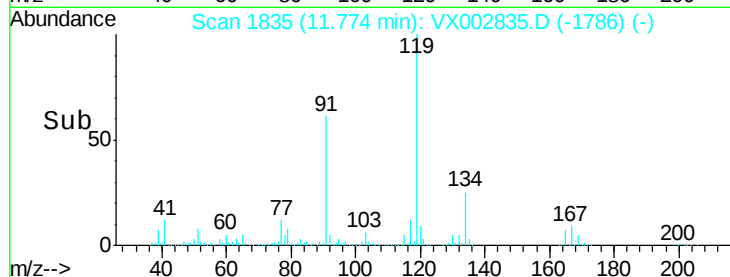
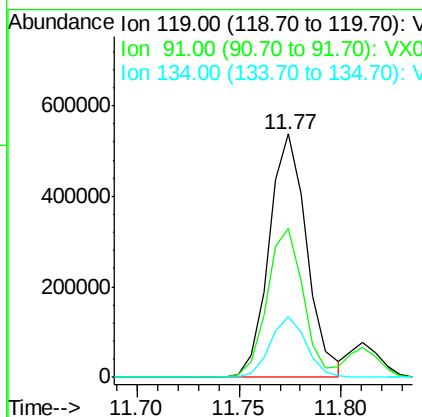
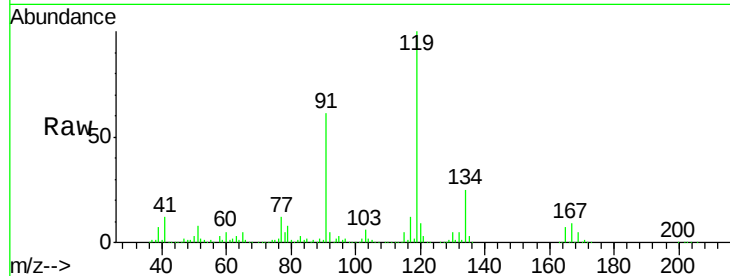
#83
 tert-Butylbenzene
 Concen: 57.64 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	692191		
91	58.3		30.3	90.9
134	23.8		11.7	35.1

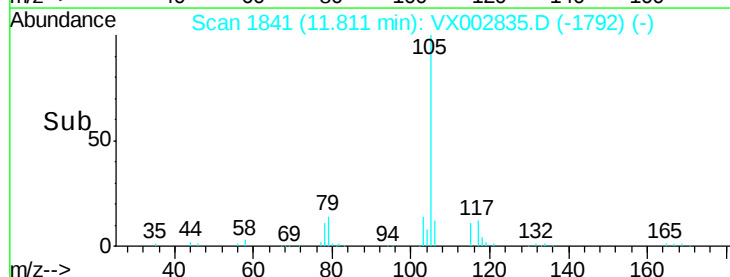
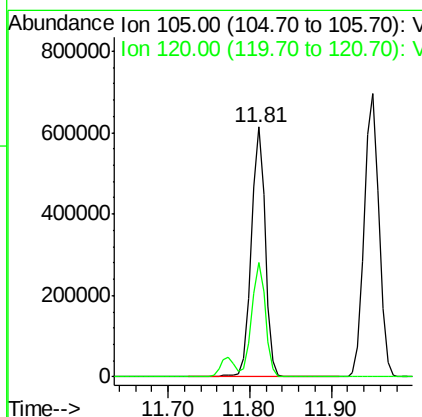
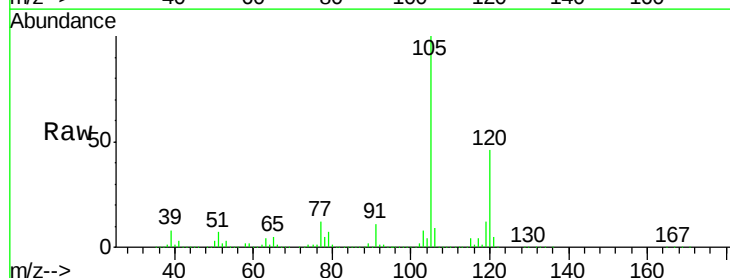
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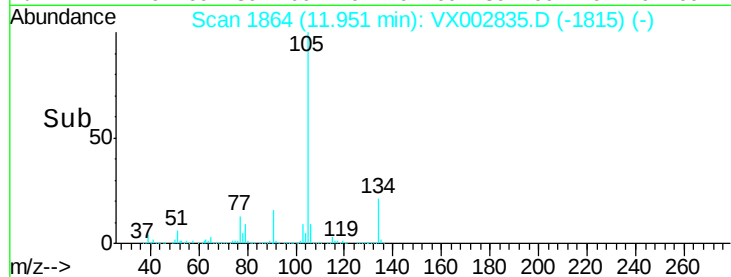
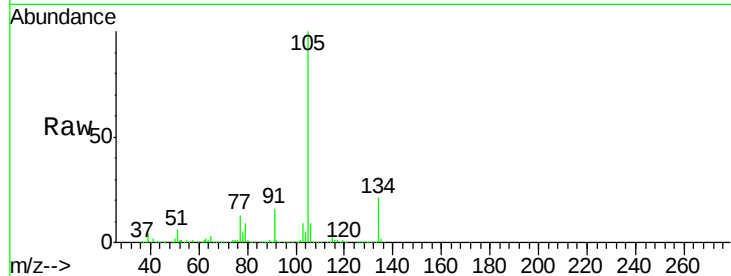
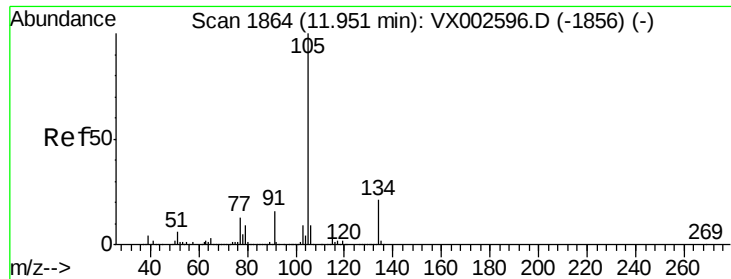
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.85 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	735758		
120	45.2		22.3	66.8





#85

sec-Butylbenzene

Concen: 57.04 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tot Ion:105 Resp: 851641

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1

Instrument :

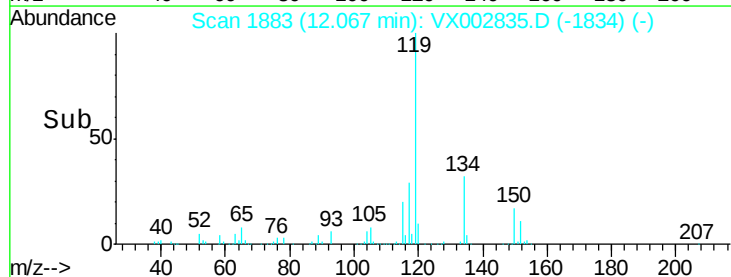
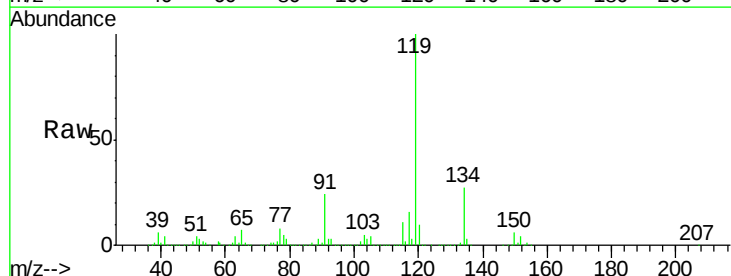
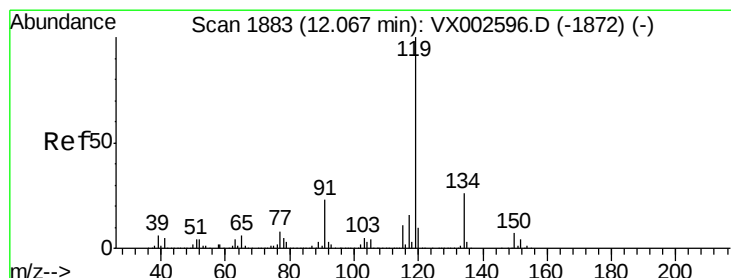
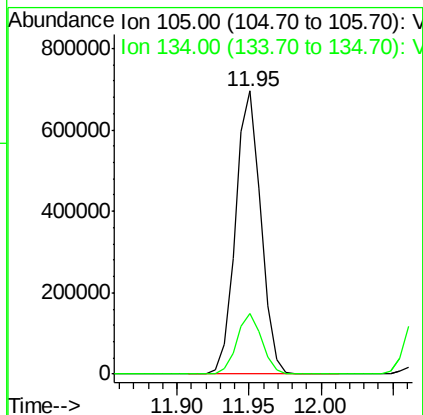
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 58.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

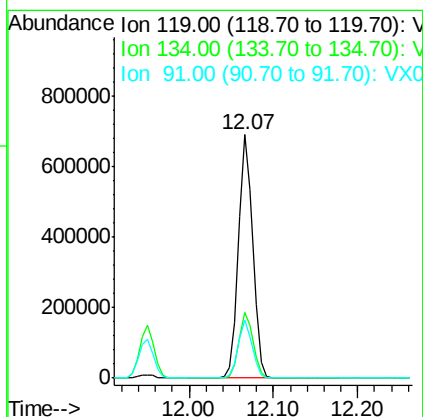
Tgt Ion:119 Resp: 785992

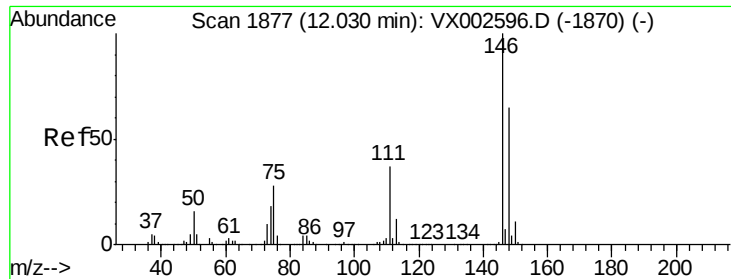
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.4 11.9 35.7





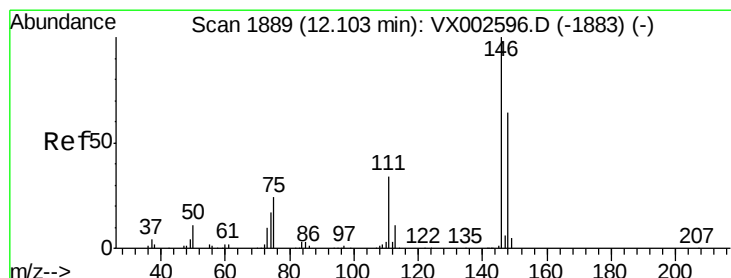
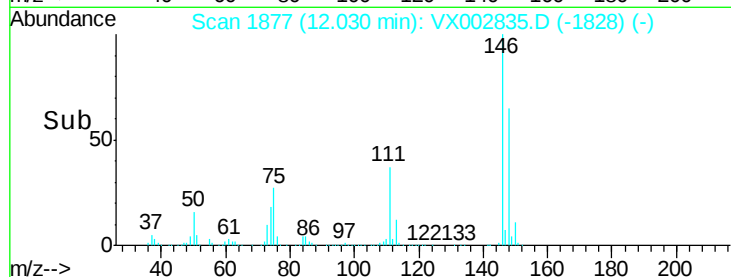
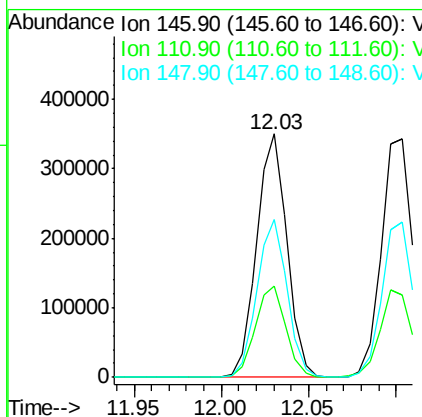
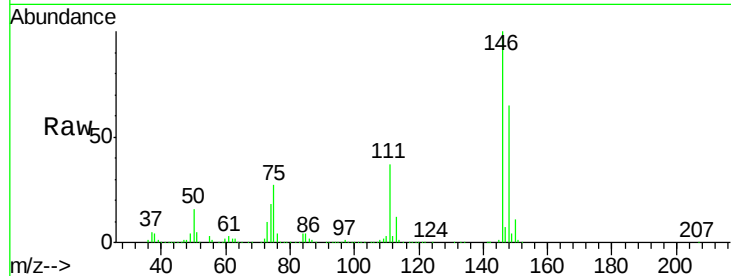
#87
 1,3-Dichlorobenzene
 Concen: 56.43 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	64.6	32.1	96.3

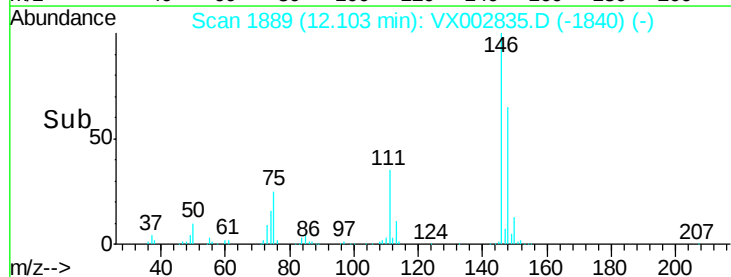
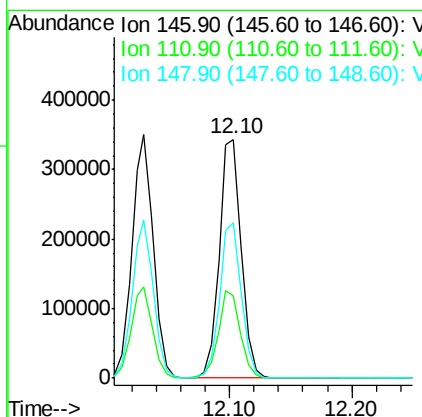
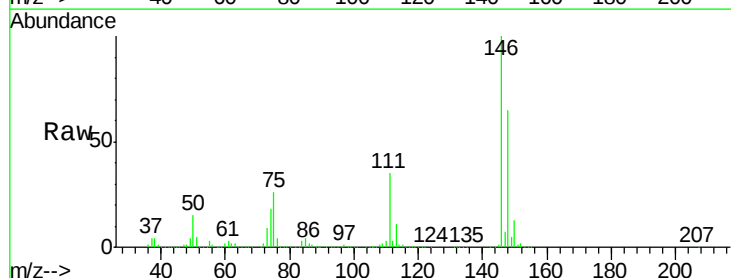
Manual Integrations
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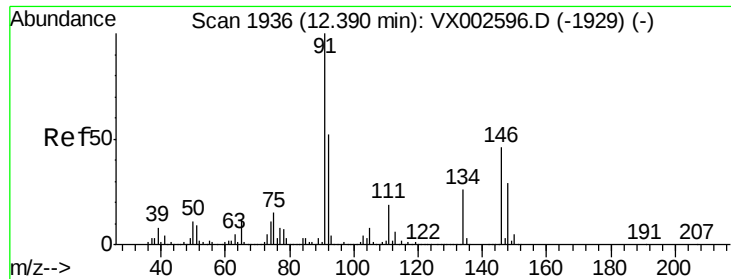
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#88
 1,4-Dichlorobenzene
 Concen: 56.02 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.6	32.4	97.0





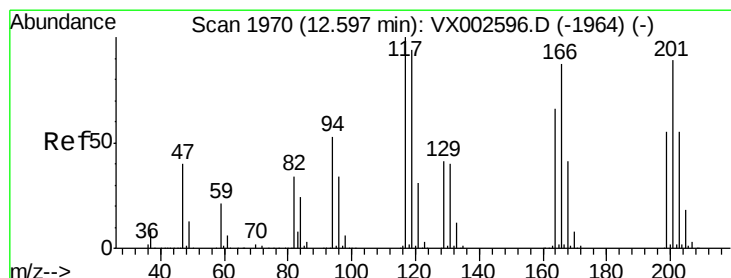
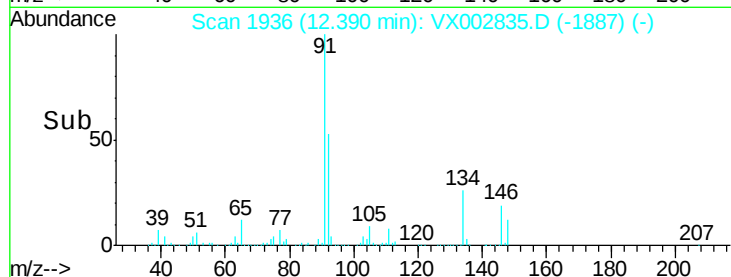
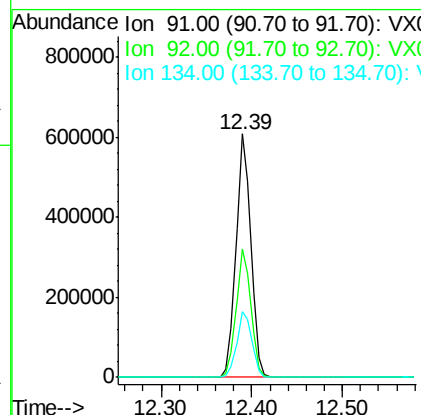
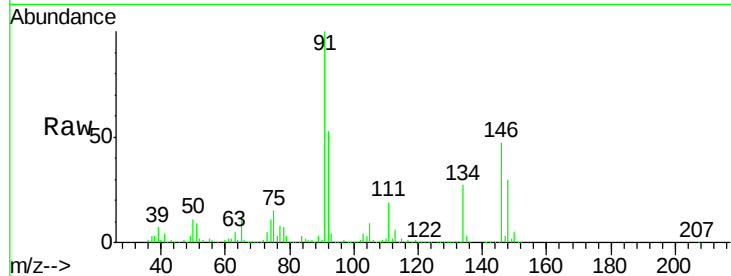
#89
n-Butylbenzene
Concen: 57.80 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	27.4	13.5	40.5

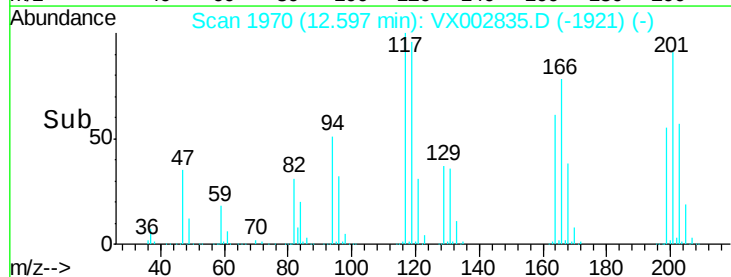
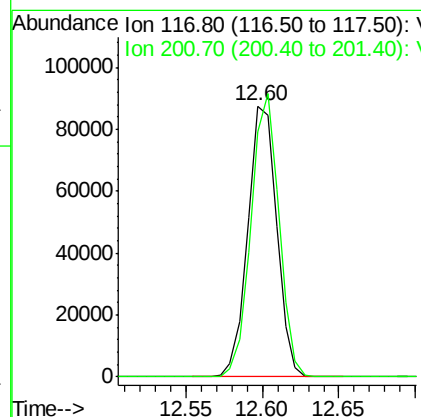
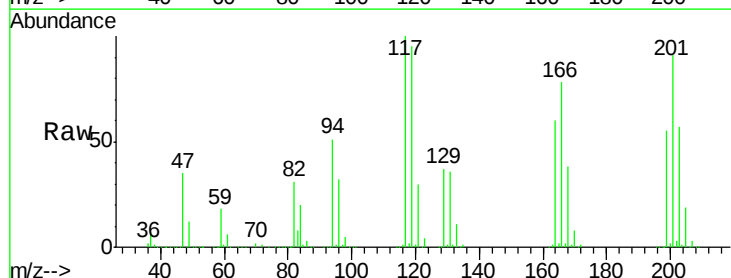
Manual Integrations
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#90
Hexachloroethane
Concen: 54.54 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.4	49.0	147.0





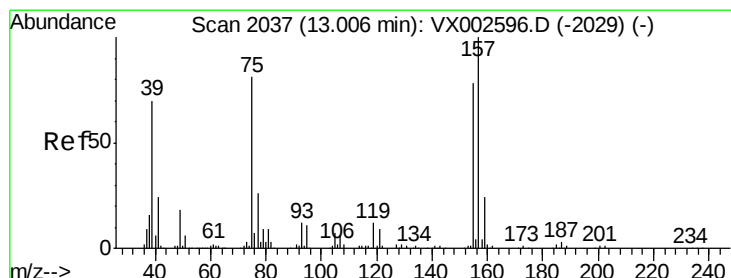
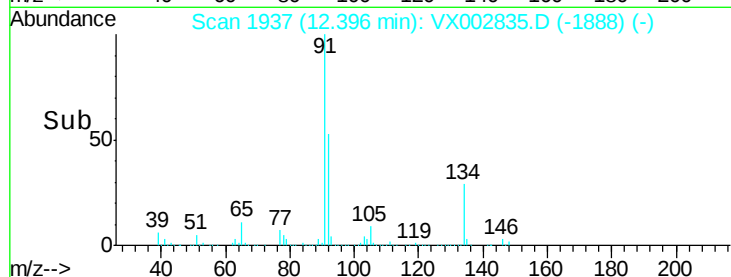
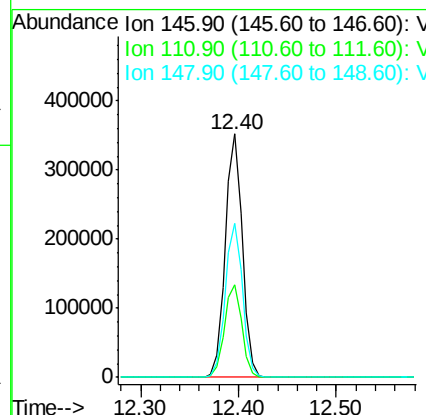
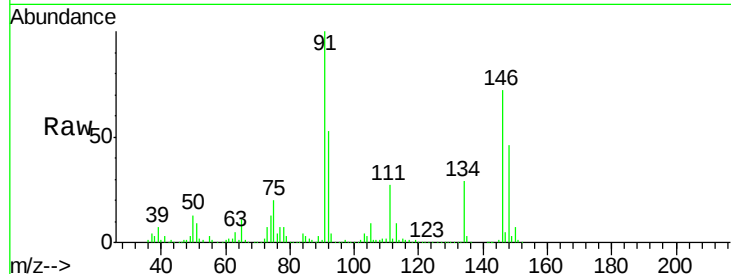
#91
 1,2-Dichlorobenzene
 Concen: 55.99 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.0	31.7	95.1

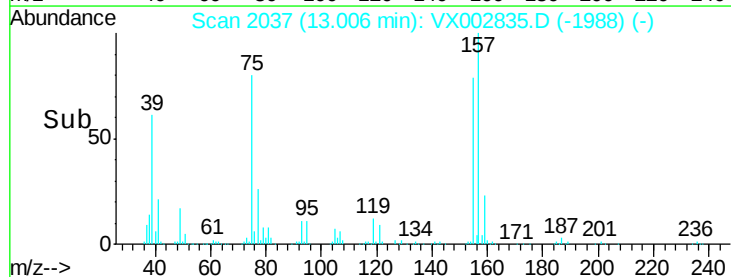
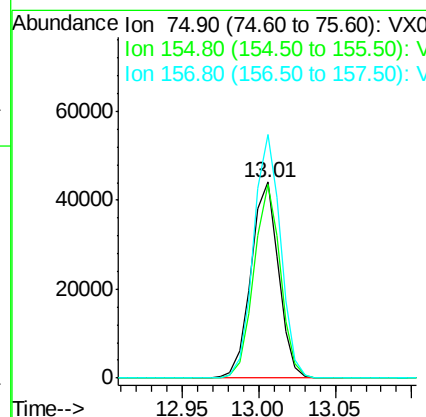
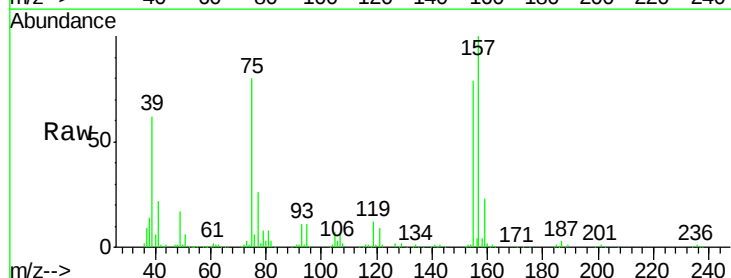
Manual Integrations
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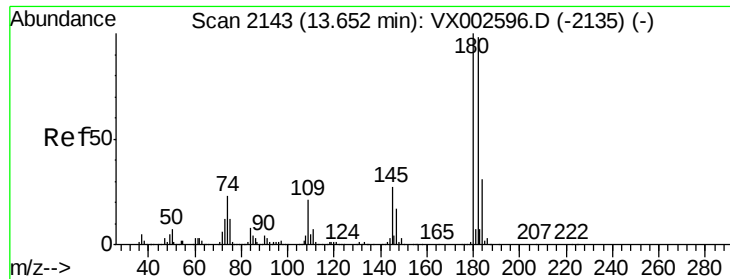
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 6/25/2018 6:56:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.38 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.8	137.4
157	121.8	60.1	180.3





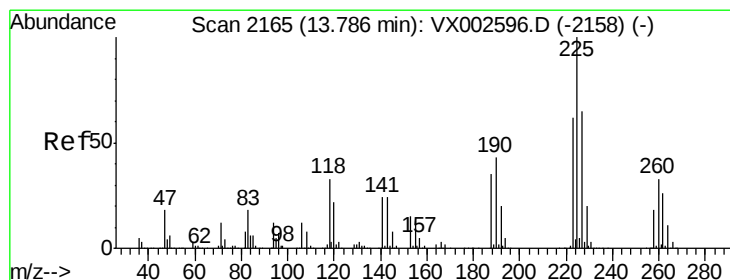
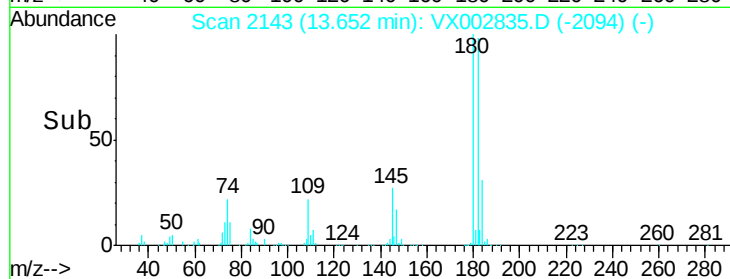
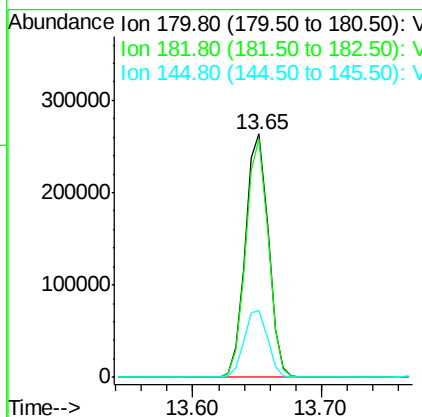
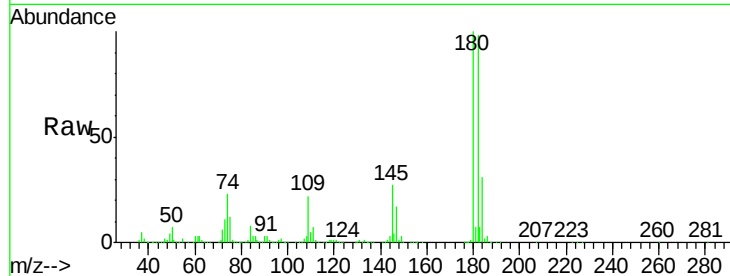
#93
 1,2,4-Trichlorobenzene
 Concen: 58.54 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	322229		
182	96.4	47.7	143.1	
145	28.2	14.1	42.4	

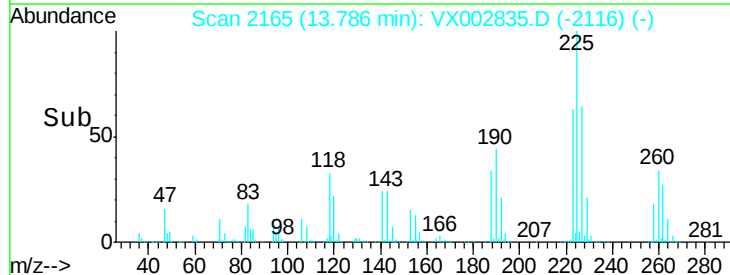
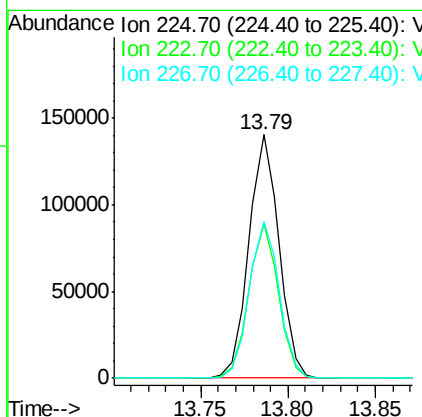
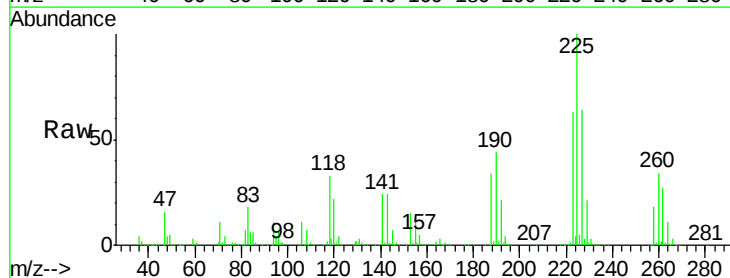
Manual Integrations
 APPROVED

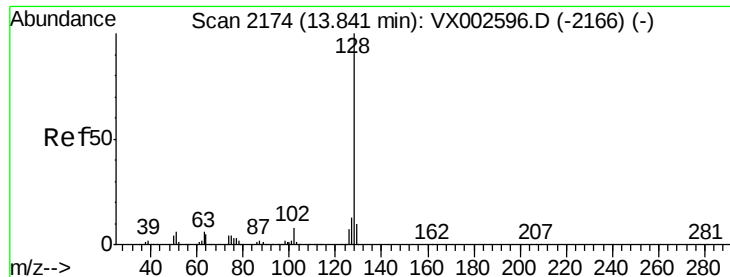
MMDadoda
 6/25/2018 6:56:06 PM



#94
 Hexachlorobutadiene
 Concen: 57.79 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167564		
223	62.6	31.6	95.0	
227	64.4	32.4	97.2	





#95

Naphthalene

Concen: 58.47 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

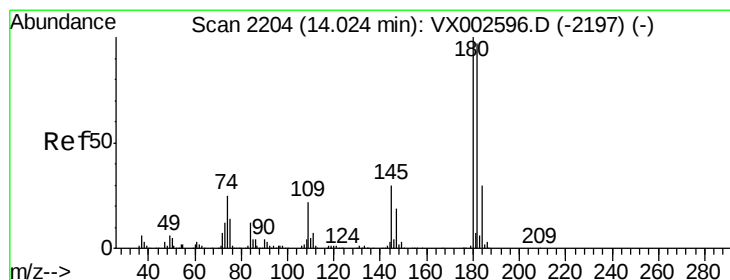
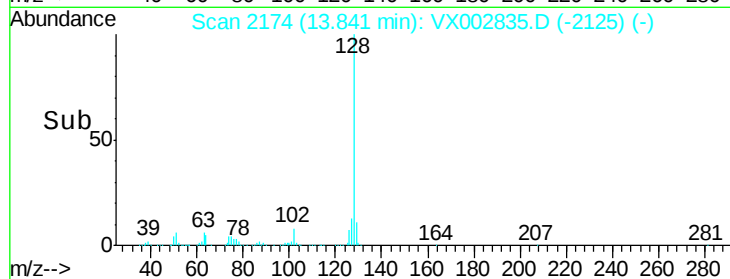
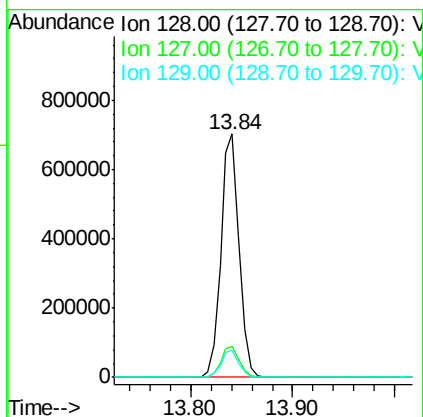
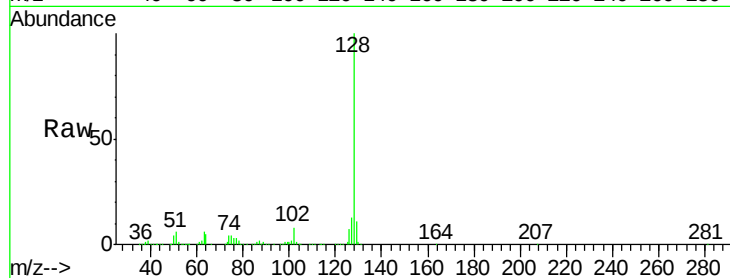
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	866128
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/25/2018 6:56:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 57.80 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion:	180	Resp:	319527
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	29.6	14.8	44.3

