

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050618\
 Data File : VX001437.D
 Acq On : 06 May 2018 11:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/18/2018 2:17:27 PM

Quant Time: May 07 07:17:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352890	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	255086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	197660	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	5.51	113	158684	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	8.72	98	583792	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.14	95	228743	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	188991	51.03	ug/l	99
3) Chloromethane	1.32	50	168085	46.61	ug/l	99
4) Vinyl Chloride	1.40	62	173827	46.18	ug/l	100
5) Bromomethane	1.64	94	89046	51.81	ug/l	99
6) Chloroethane	1.71	64	112473	45.21	ug/l	100
7) Trichlorofluoromethane	1.93	101	277832	49.05	ug/l	99
8) Diethyl Ether	2.19	74	105932	47.71	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	161533	48.64	ug/l	99
10) Methyl Iodide	2.51	142	226380	47.24	ug/l	98
11) Tert butyl alcohol	3.07	59	189167	226.92	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141901	46.62	ug/l	98
13) Acrolein	2.29	56	31823	190.88	ug/l	94
14) Allyl chloride	2.73	41	268244	47.26	ug/l	97
15) Acrylonitrile	3.15	53	425279	225.76	ug/l	99
16) Acetone	2.45	43	445747	248.27	ug/l	99
17) Carbon Disulfide	2.57	76	366574	47.32	ug/l	99
18) Methyl Acetate	2.78	43	220147	46.67	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	525805	49.61	ug/l	100
20) Methylene Chloride	2.86	84	161659	45.48	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	155556	45.79	ug/l	98
22) Diisopropyl ether	3.87	45	543019	51.21	ug/l	99
23) Vinyl Acetate	3.82	43	2318486	262.34	ug/l	99
24) 1,1-Dichloroethane	3.70	63	284272	47.99	ug/l	99
25) 2-Butanone	4.71	43	623708	240.32	ug/l	98
26) 2,2-Dichloropropane	4.59	77	232348	50.79	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	177864	49.16	ug/l	98
28) Bromochloromethane	5.02	49	129746	50.52	ug/l	97
29) Tetrahydrofuran	5.17	42	386670	232.86	ug/l	100
30) Chloroform	5.21	83	304895	49.97	ug/l	99
31) Cyclohexane	5.57	56	255755	50.27	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	271687	50.95	ug/l	99
36) 1,1-Dichloropropene	5.80	75	225182	50.16	ug/l	99
37) Ethyl Acetate	4.86	43	238123	48.39	ug/l	99
38) Carbon Tetrachloride	5.79	117	247119	51.62	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	278235	52.43	ug/l	99
40) Benzene	6.15	78	660381	50.37	ug/l	99
41) Methacrylonitrile	5.06	41	137627	48.88	ug/l	99
42) 1,2-Dichloroethane	6.20	62	262902	52.17	ug/l	99
43) Isopropyl Acetate	6.47	43	394616	52.24	ug/l	100
44) Trichloroethene	7.21	130	206624	51.56	ug/l	99
45) 1,2-Dichloropropane	7.52	63	166833	51.04	ug/l	99
46) Dibromomethane	7.67	93	117752	50.89	ug/l	98
47) Bromodichloromethane	7.90	83	229723	53.64	ug/l	98
48) Methyl methacrylate	7.78	41	211565	51.44	ug/l	99
49) 1,4-Dioxane	7.76	88	84633	952.39	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1266197	252.25	ug/l	99
52) Toluene	8.79	92	439869	51.31	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	272157	56.23	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	253971	50.72	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	178625	51.72	ug/l	97
56) Ethyl methacrylate	9.19	69	265454	53.32	ug/l	99
57) 1,3-Dichloropropane	9.38	76	292730	51.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	656671	268.91	ug/l	100
59) 2-Hexanone	9.50	43	984466	256.12	ug/l	99
60) Dibromochloromethane	9.59	129	195634	55.31	ug/l	99
61) 1,2-Dibromoethane	9.68	107	189684	52.30	ug/l	99
64) Tetrachloroethene	9.34	164	255849	53.55	ug/l	98
65) Chlorobenzene	10.14	112	505562	50.29	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	190408	52.96	ug/l	100
67) Ethyl Benzene	10.26	91	839496	50.95	ug/l	100
68) m/p-Xylenes	10.37	106	680281	104.50	ug/l	100
69) o-Xylene	10.70	106	329393	52.06	ug/l	99
70) Styrene	10.72	104	547775	53.29	ug/l	100
71) Bromoform	10.86	173	161546	46.95	ug/l #	100
73) Isopropylbenzene	11.02	105	880467	49.86	ug/l	100
74) N-amyl acetate	6.47	43	394616	49.20	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	247632	47.48	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	254905m	49.27	ug/l	
77) Bromobenzene	11.26	156	253670	49.41	ug/l	99
78) n-propylbenzene	11.37	91	994787	51.73	ug/l	100
79) 2-Chlorotoluene	11.43	91	587691	49.66	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	758032	51.56	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	69723	43.57	ug/l	98
82) 4-Chlorotoluene	11.52	91	703680	51.55	ug/l	100
83) tert-Butylbenzene	11.77	119	721100	49.29	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	782122	51.76	ug/l	100
85) sec-Butylbenzene	11.95	105	918972	52.34	ug/l	100
86) p-Isopropyltoluene	12.07	119	856880	53.20	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	461897	50.33	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	471133	50.33	ug/l	100
89) n-Butylbenzene	12.40	91	713465	53.46	ug/l	99
90) Hexachloroethane	12.60	117	127369	52.51	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	465823	49.89	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57494	50.17	ug/l	98

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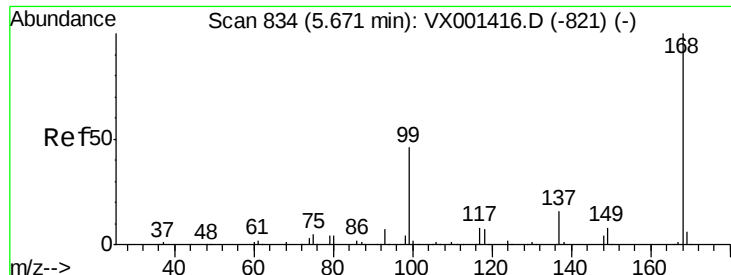
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	363014	53.13	ug/l	99
94) Hexachlorobutadiene	13.79	225	190596	50.98	ug/l	100
95) Naphthalene	13.84	128	993408	52.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	367127	52.37	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 275092

Ion Ratio Lower Upper

168 100

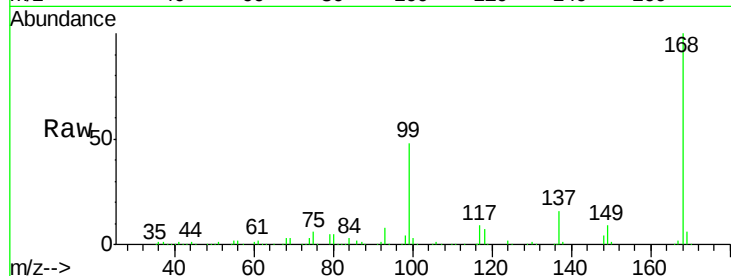
99 48.3 36.6 54.8

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

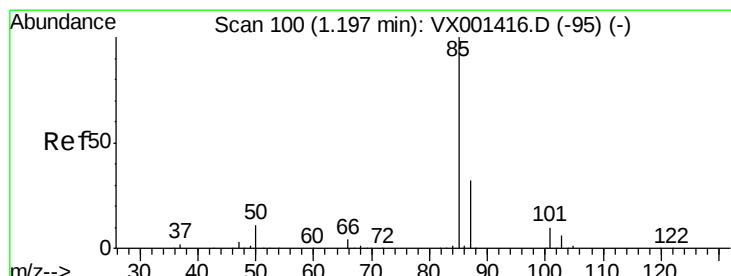
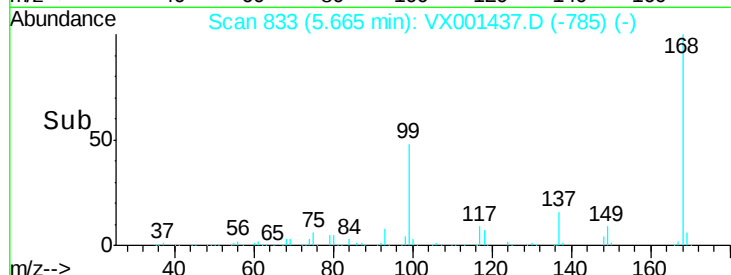
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.03 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001437.D

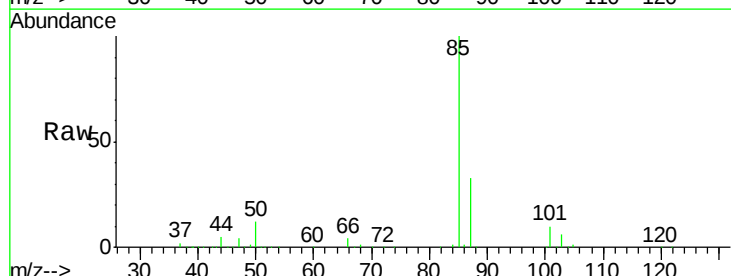
Acq: 06 May 2018 11:21

Tgt Ion: 85 Resp: 188991

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

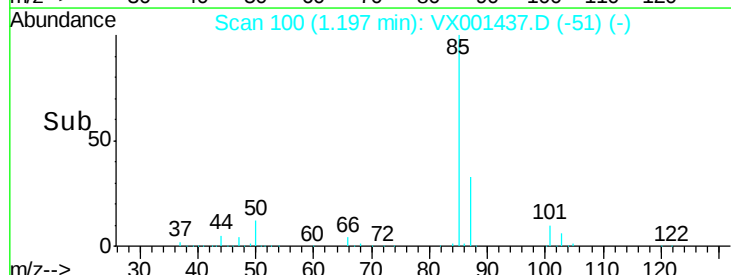
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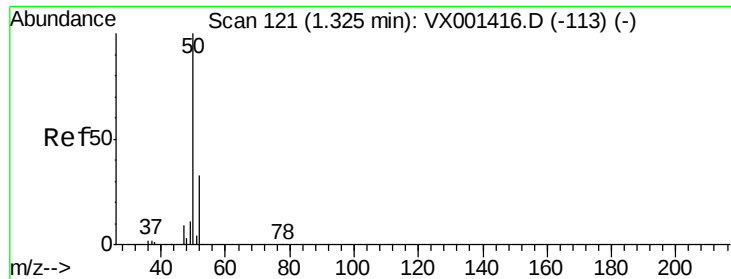
100000

50000

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Time-->





#3

Chloromethane

Concen: 46.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168085

Ion Ratio Lower Upper

50 100

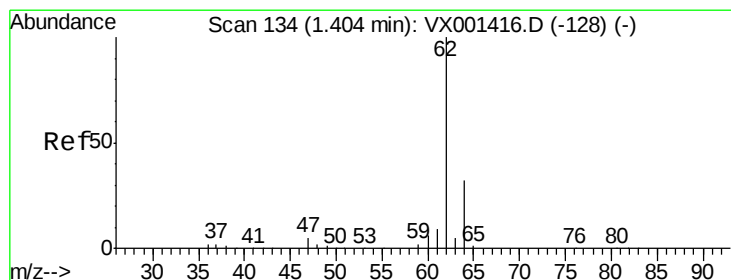
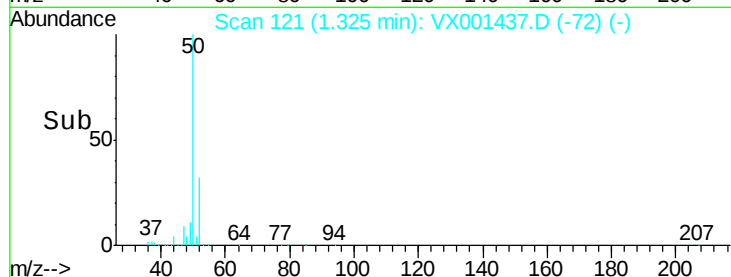
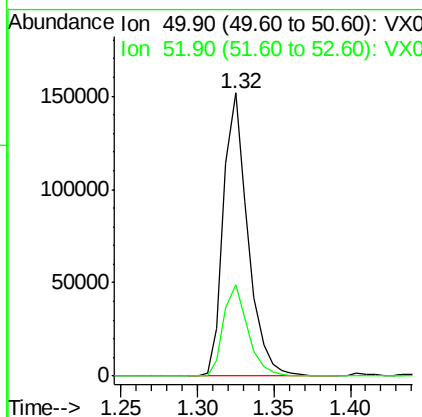
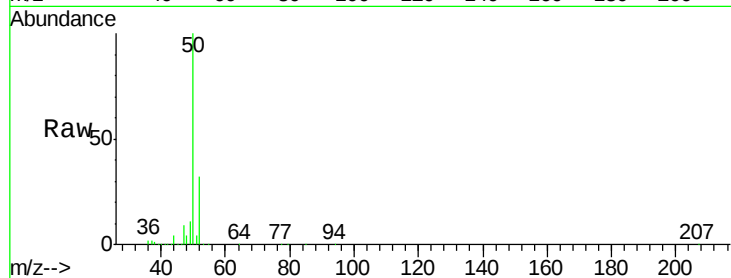
52 32.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.18 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001437.D

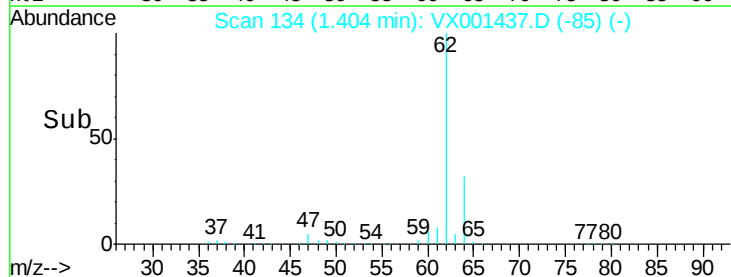
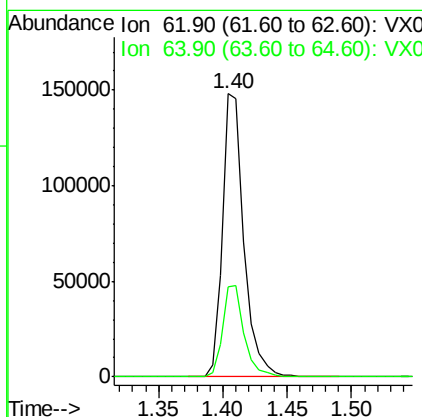
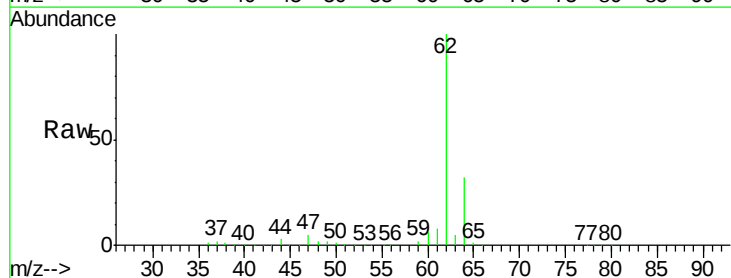
Acq: 06 May 2018 11:21

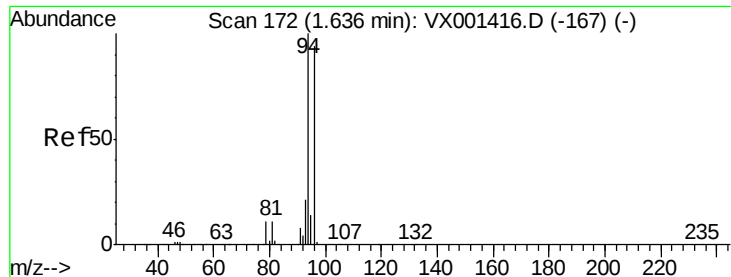
Tgt Ion: 62 Resp: 173827

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 51.81 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89046

Ion Ratio Lower Upper

94 100

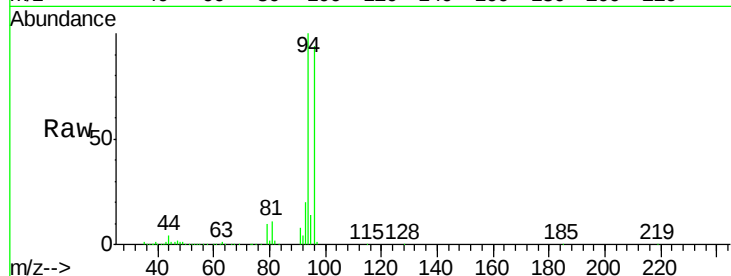
96 94.4 75.0 112.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

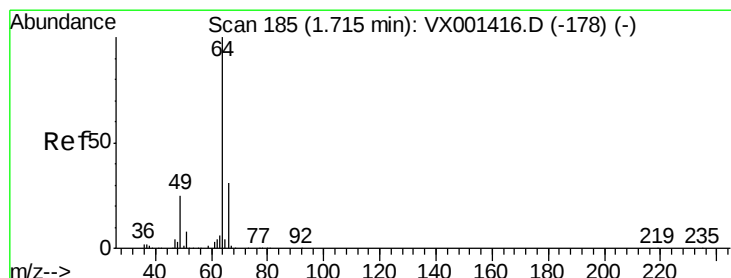
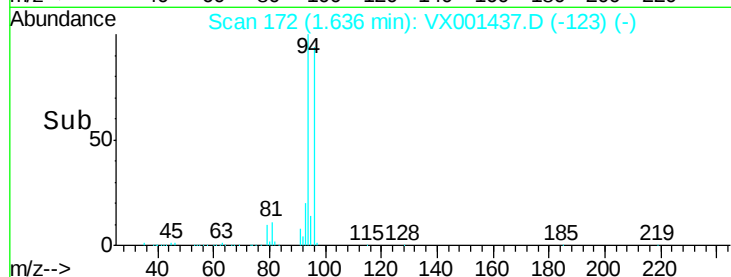
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.21 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001437.D

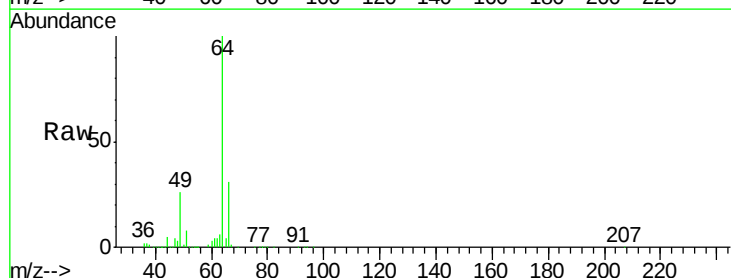
Acq: 06 May 2018 11:21

Tgt Ion: 64 Resp: 112473

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

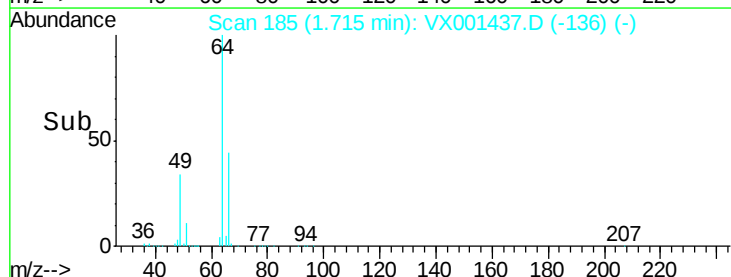
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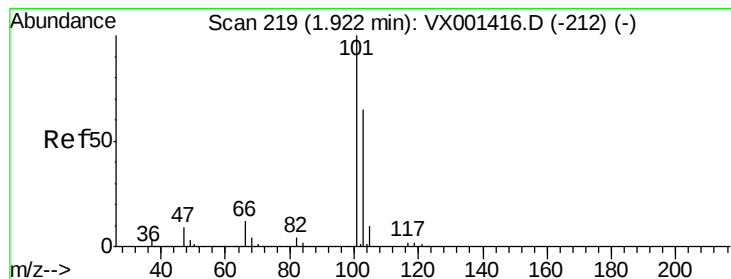
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20000

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Time--> 1.60 1.70 1.80 1.90





#7

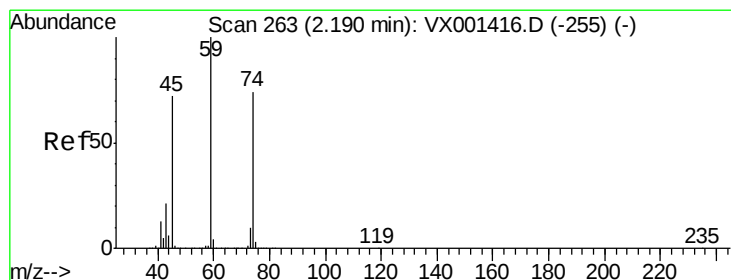
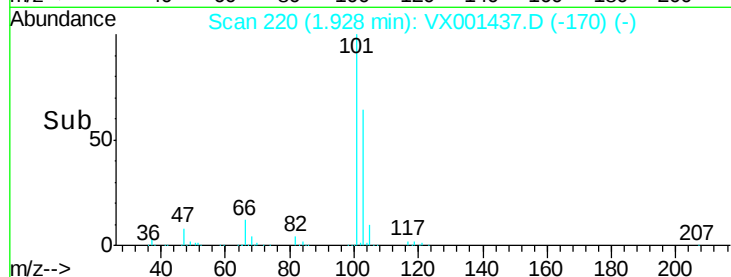
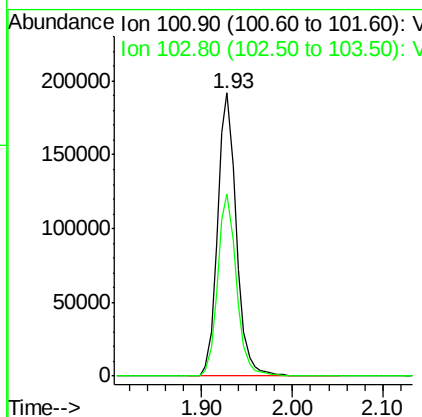
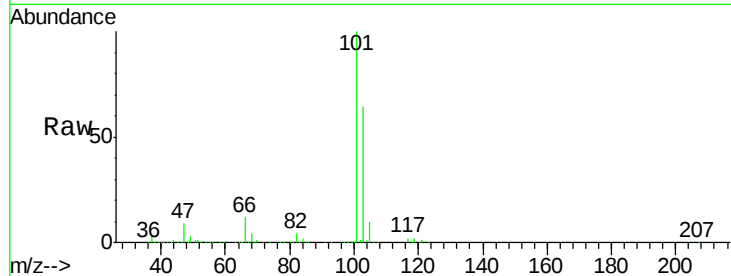
Trichlorofluoromethane
 Concen: 49.05 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.0	78.0

Manual Integrations
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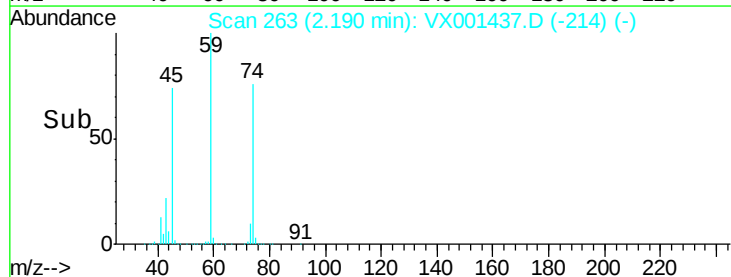
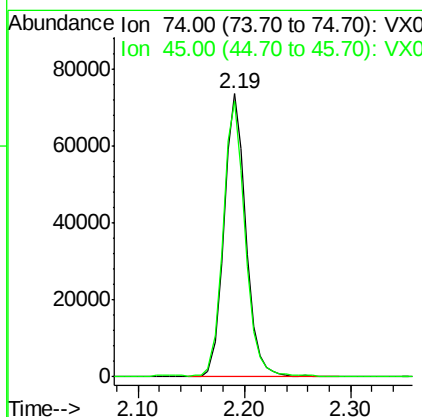
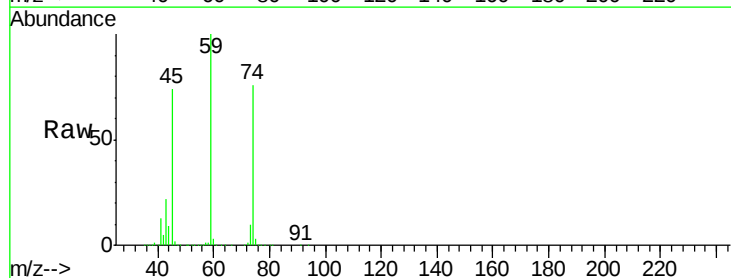
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 5/18/2018 2:17:27 PM

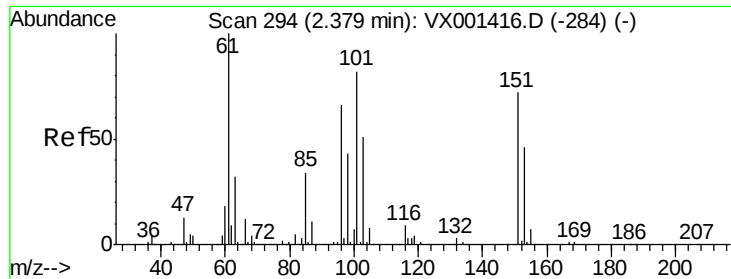


#8

Diethyl Ether
 Concen: 47.71 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	47.9	143.6





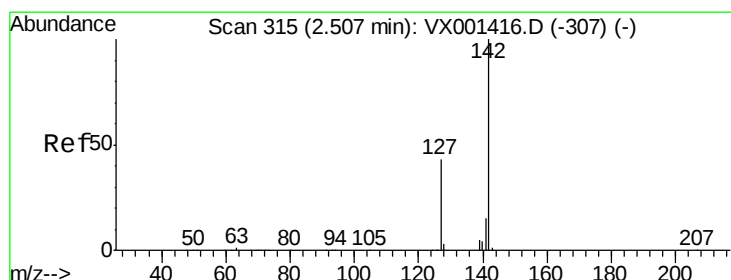
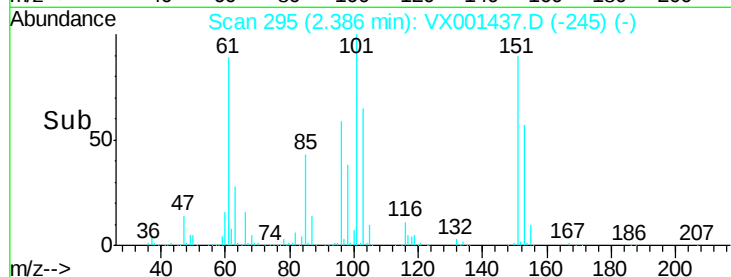
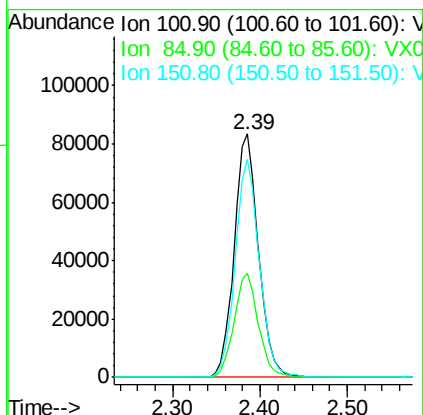
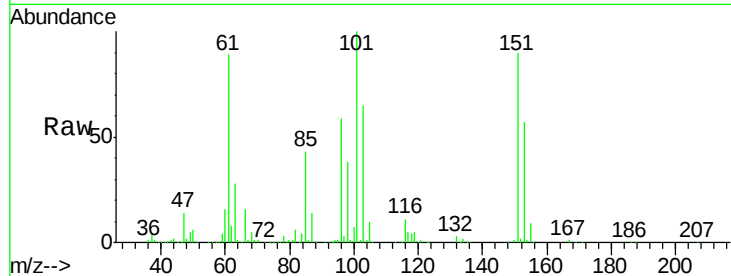
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.64 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	161533		
85	42.8	33.7	50.5	
151	89.4	72.3	108.5	

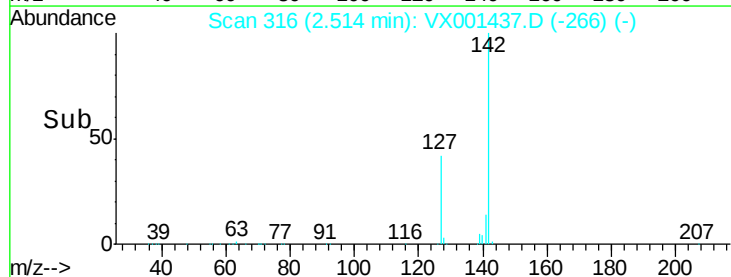
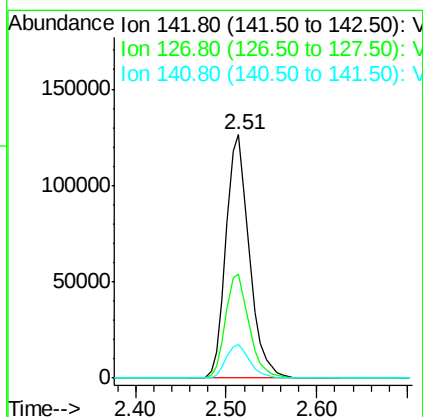
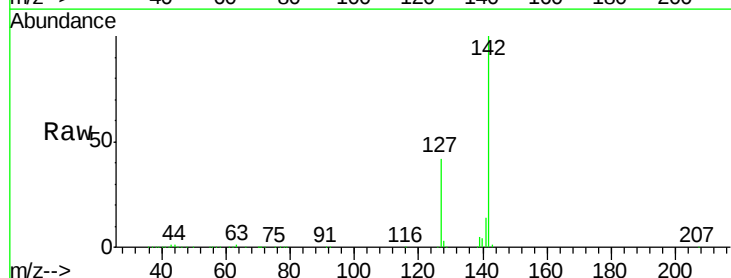
Manual Integrations
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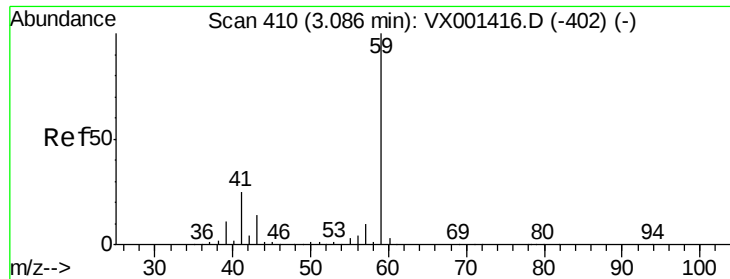
MMDadoda
5/18/2018 2:17:27 PM



#10
Methyl Iodide
Concen: 47.24 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	226380		
127	43.6	33.6	50.4	
141	14.3	11.4	17.2	





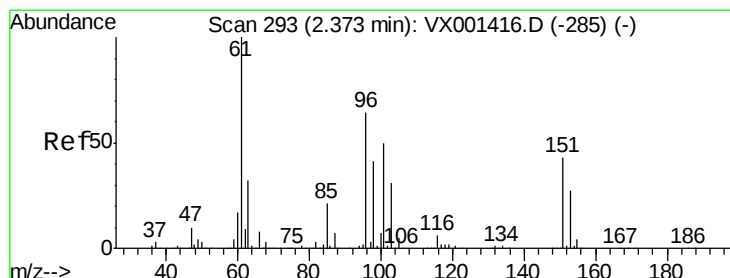
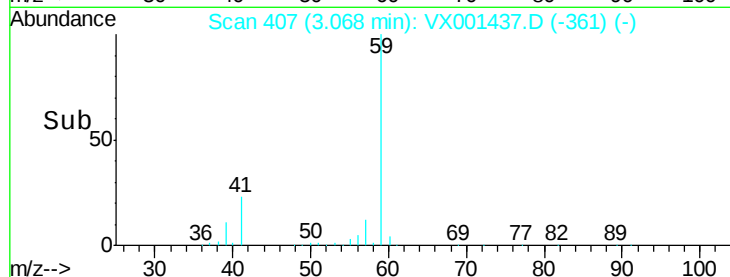
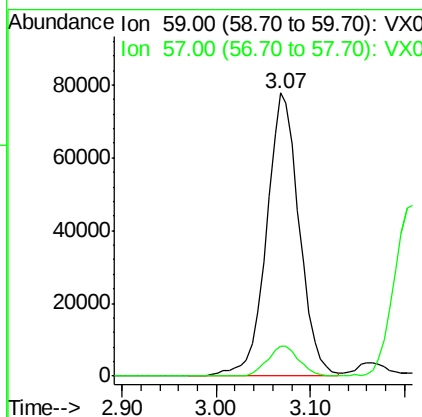
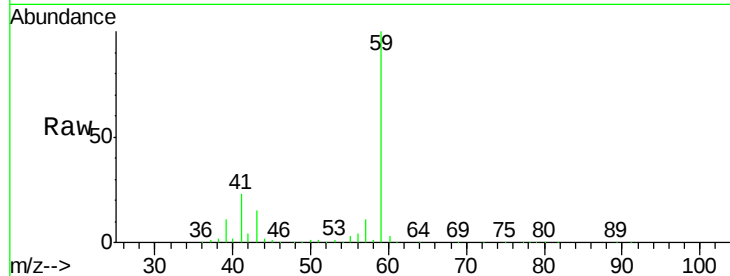
#11
Tert butyl alcohol
Concen: 226.92 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.6	Resp	189167	Lower	8.2	Upper	12.4
Ion											

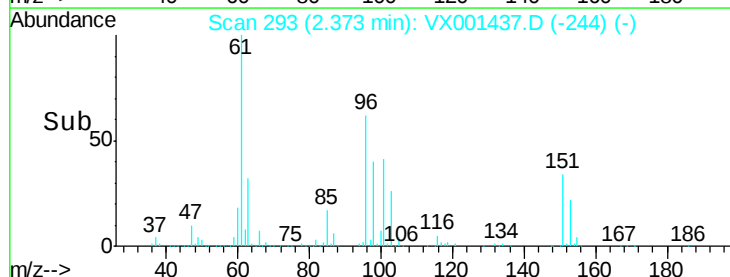
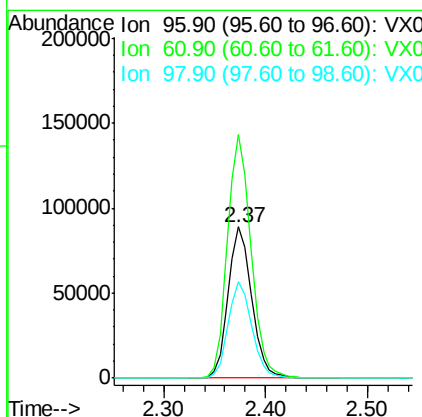
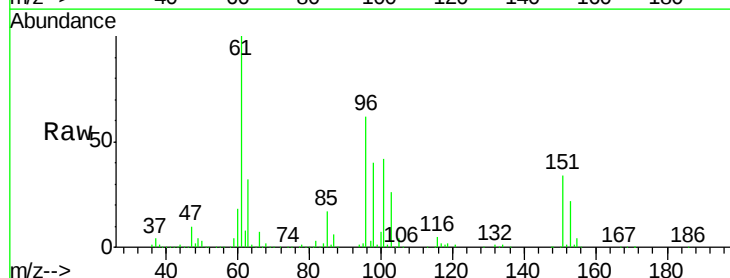
Manual Integrations
APPROVED

MMDadoda
5/18/2018 2:17:27 PM



#12
1,1-Dichloroethene
Concen: 46.62 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	96	61	98	Ratio	100	160.9	64.0	Resp	141901	Lower	125.7	Upper	188.5	78.0
Ion														





#13

Acrolein

Concen: 190.88 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 31823

Ion Ratio Lower Upper

56 100

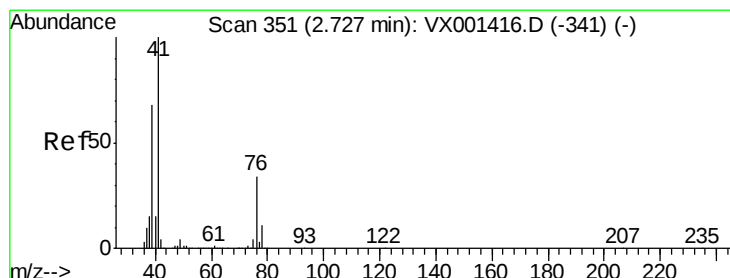
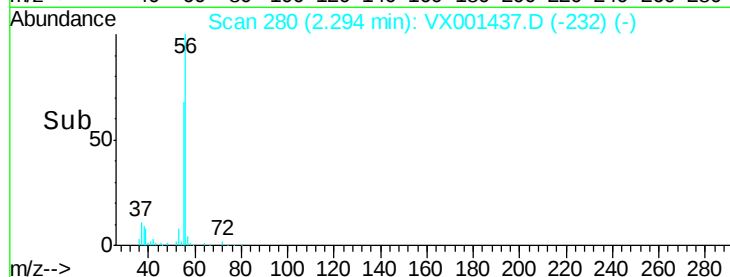
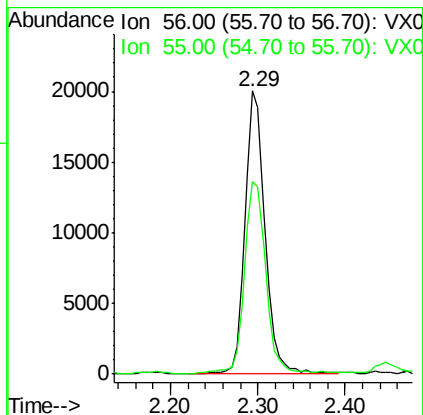
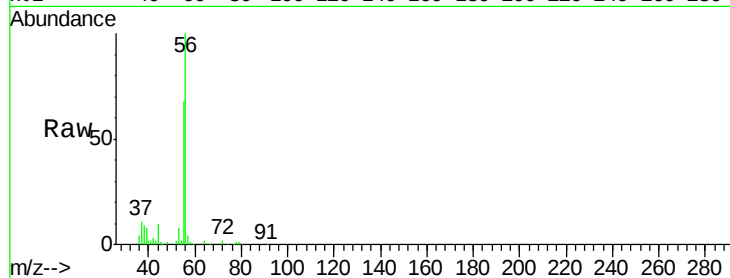
55 73.1 54.5 81.7

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 47.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

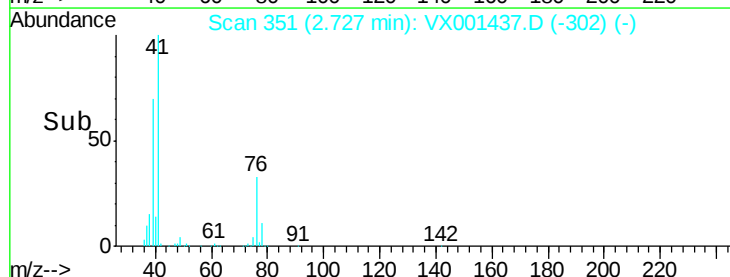
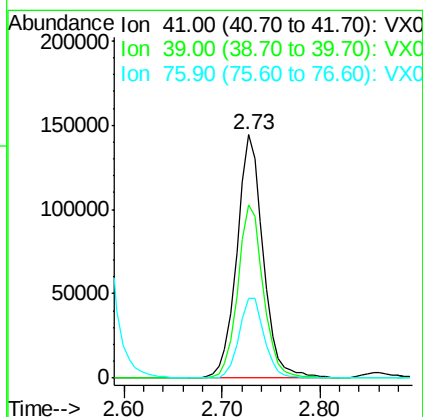
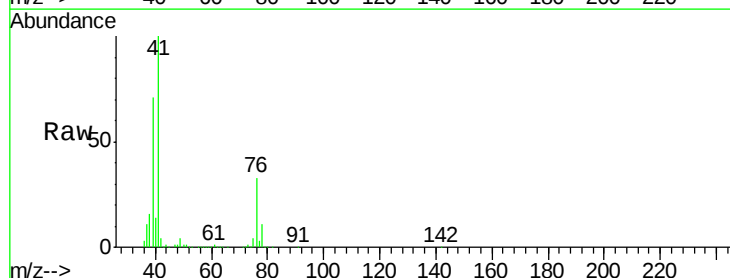
Tgt Ion: 41 Resp: 268244

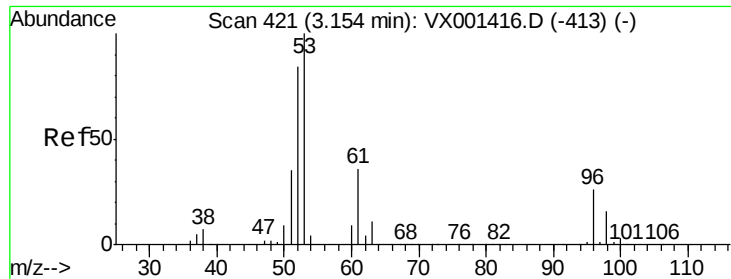
Ion Ratio Lower Upper

41 100

39 68.9 52.4 78.6

76 31.8 25.8 38.6





#15

Acrylonitrile

Concen: 225.76 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

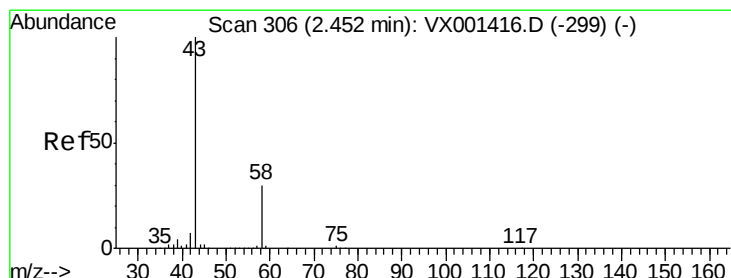
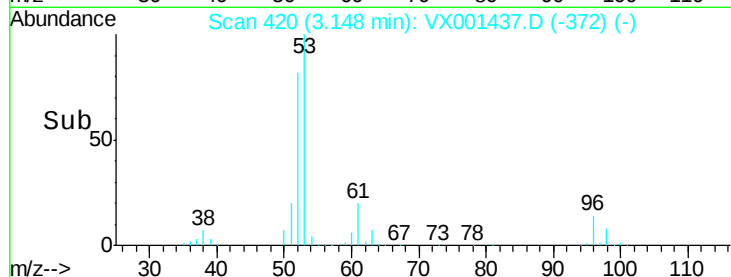
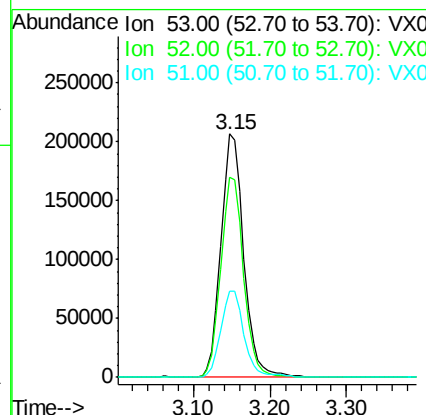
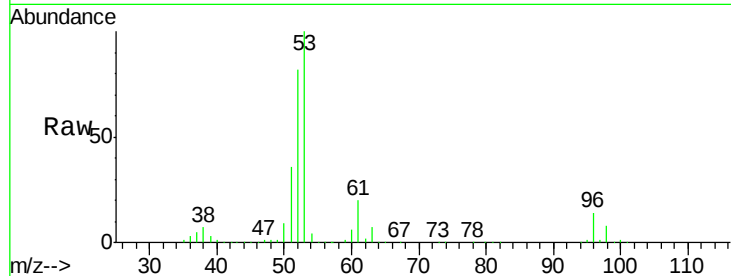
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	425279
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	36.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 248.27 ug/l

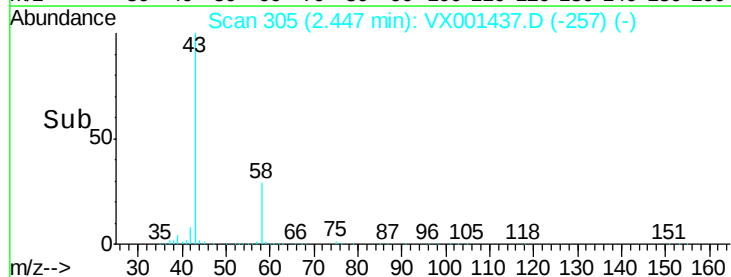
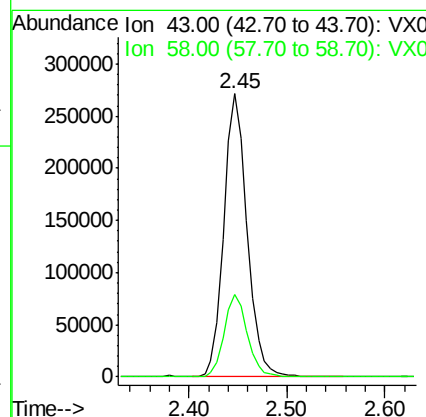
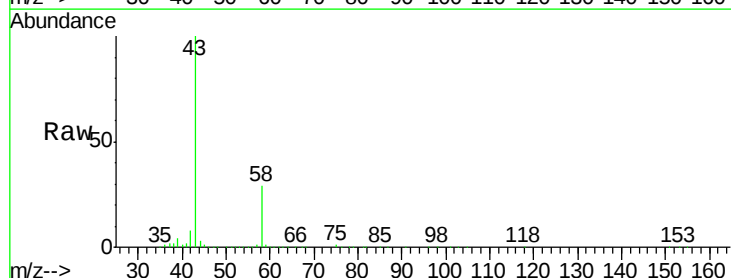
RT: 2.45 min Scan# 305

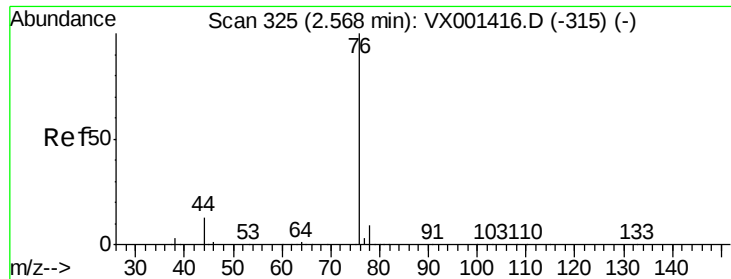
Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Tgt Ion:	43	Resp:	445747
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.8	35.8





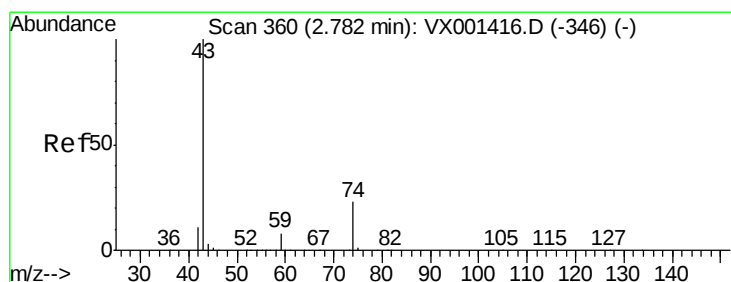
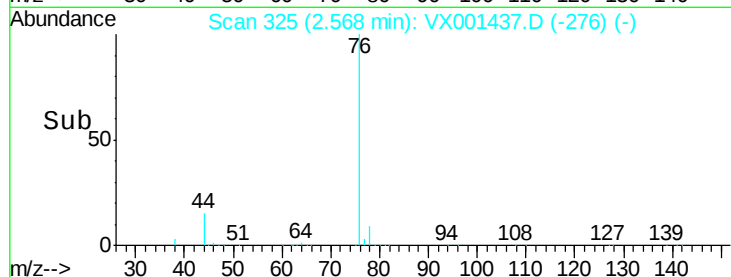
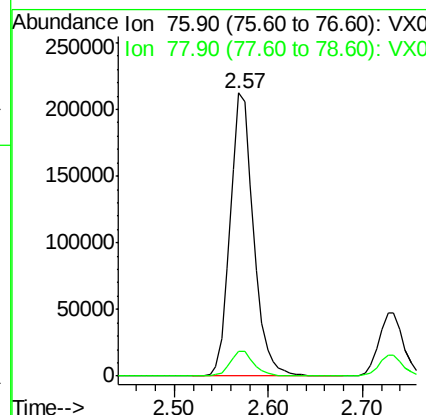
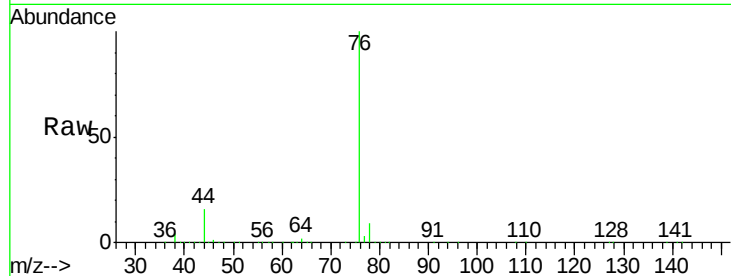
#17
Carbon Disulfide
Concen: 47.32 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

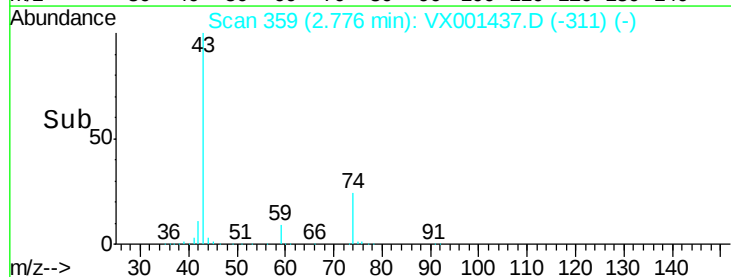
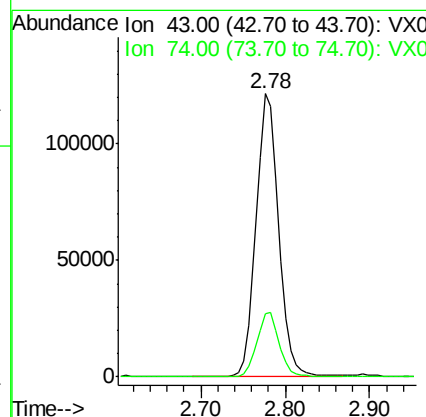
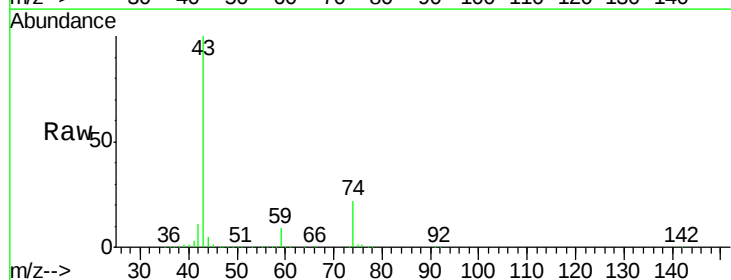
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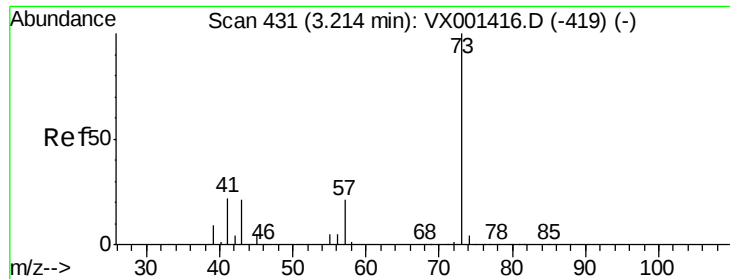
MMDadoda
5/18/2018 2:17:27 PM



#18
Methyl Acetate
Concen: 46.67 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.6	27.8





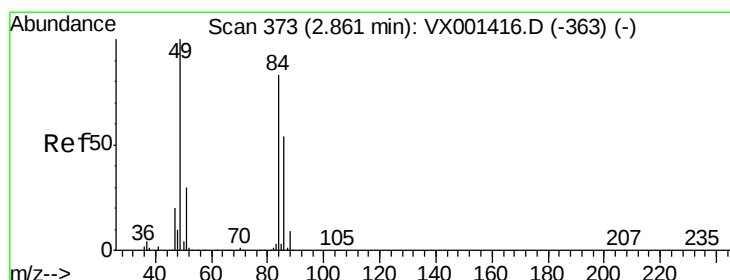
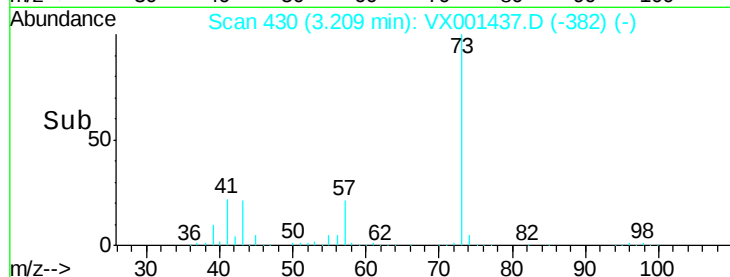
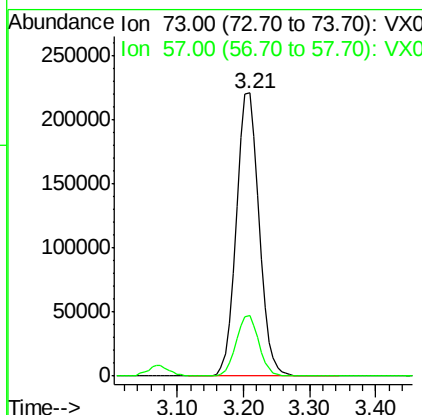
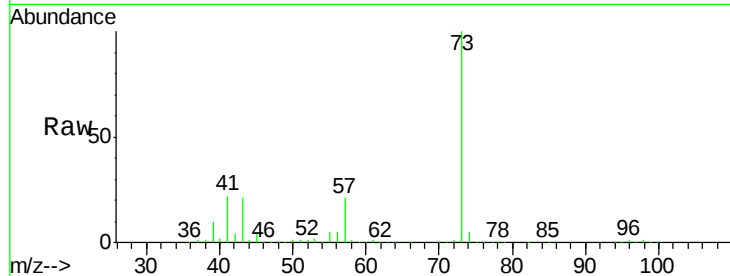
#19
Methvl tert-butvl Ether
Concen: 49.61 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.6

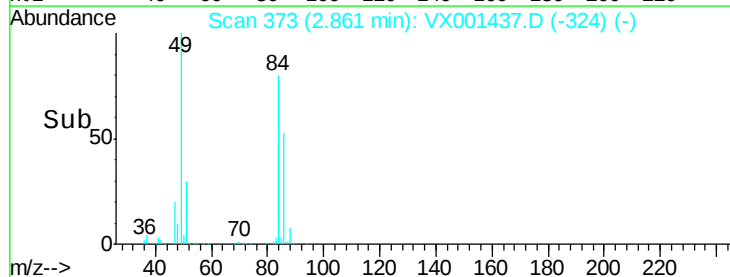
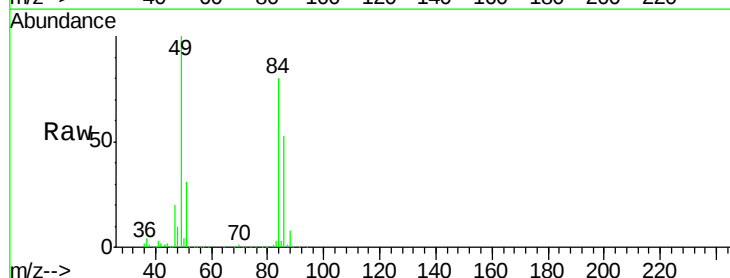
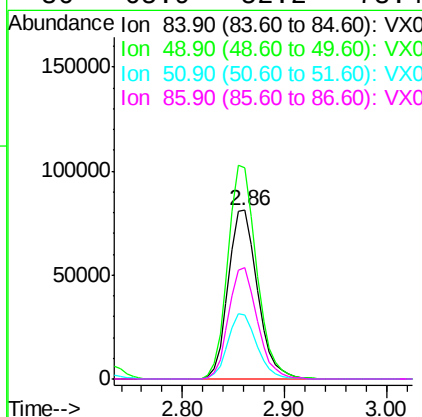
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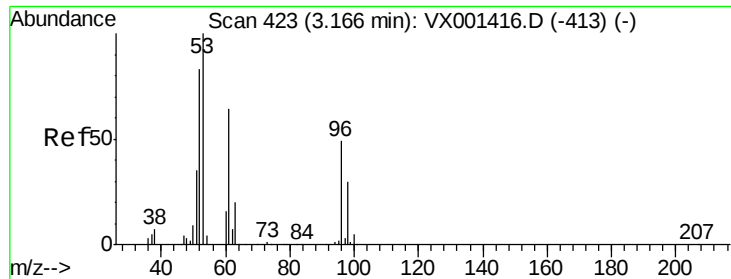
MMDadoda
5/18/2018 2:17:27 PM



#20
Methylene Chloride
Concen: 45.48 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	96.6	144.8
51	38.1	29.0	43.4
86	65.9	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 45.79 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

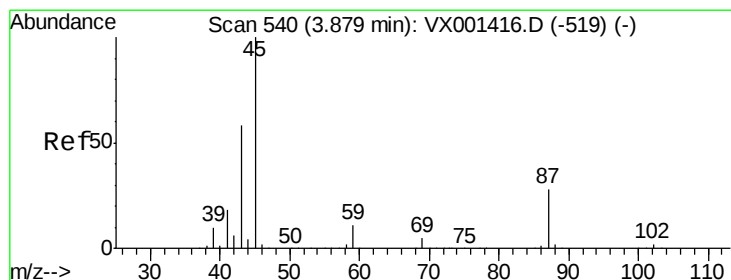
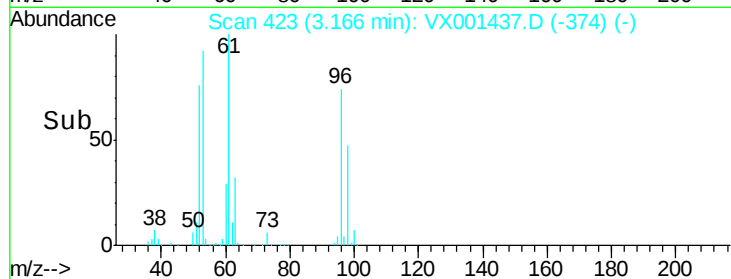
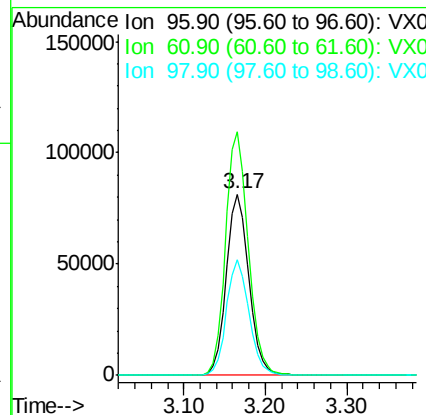
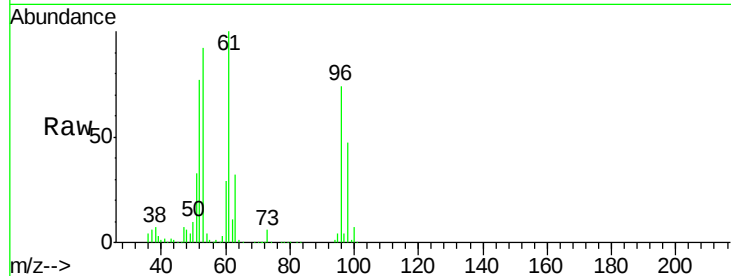
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	155556
Ion	Ratio	Lower	Upper
96	100		
61	134.4	105.0	157.4
98	63.6	49.9	74.9

Manual Integrations
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5/18/2018 2:17:27 PM



#22

Diisopropyl ether

Concen: 51.21 ug/l

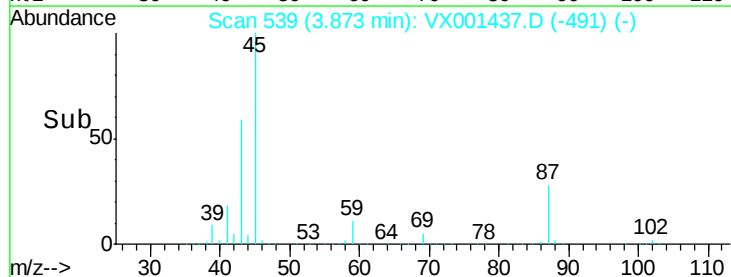
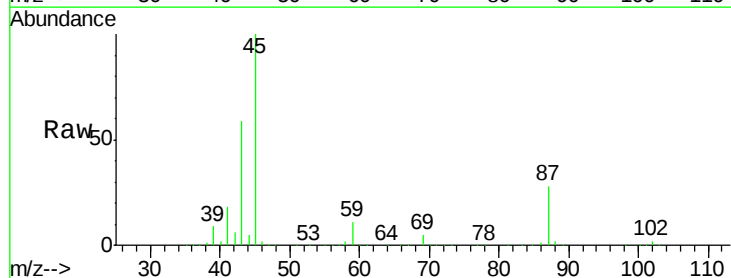
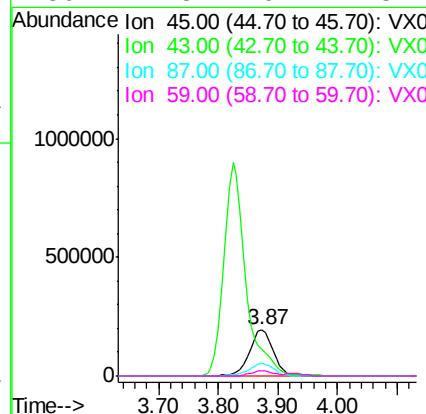
RT: 3.87 min Scan# 539

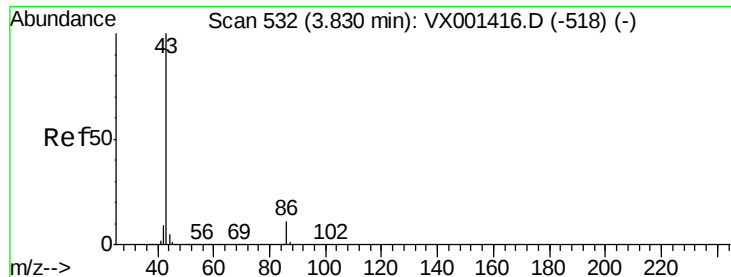
Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Tgt Ion:	45	Resp:	543019
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.5	69.7
87	27.8	22.6	34.0
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 262.34 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2318486

Ion Ratio Lower Upper

43 100

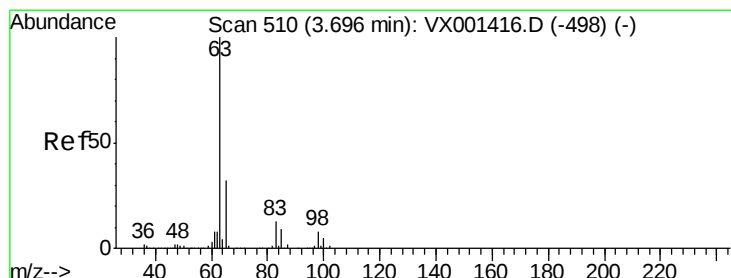
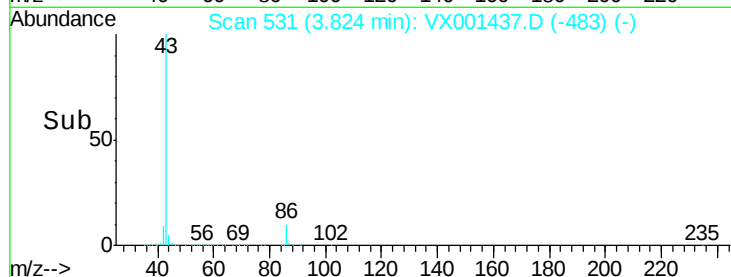
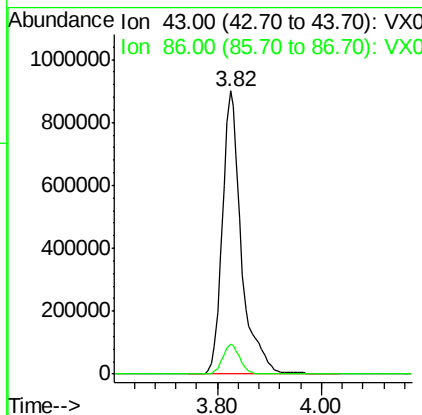
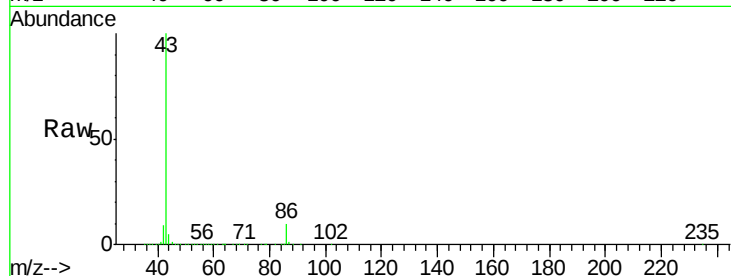
86 10.4 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 47.99 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

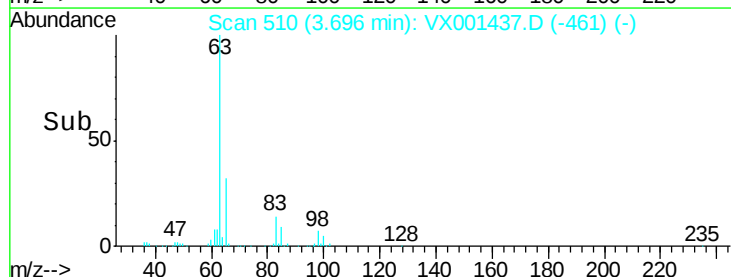
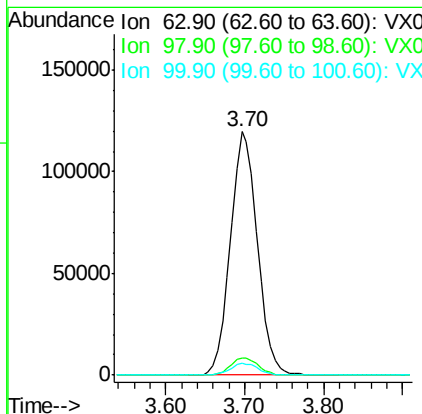
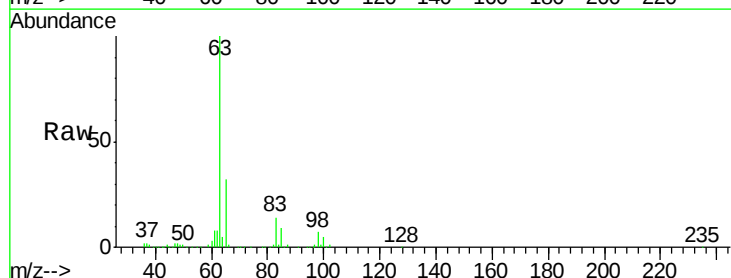
Tgt Ion: 63 Resp: 284272

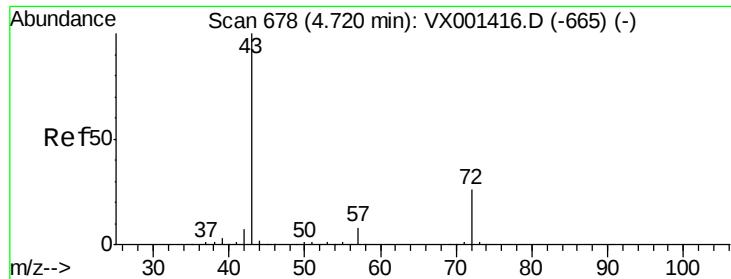
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 240.32 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 623708

Ion Ratio Lower Upper

43 100

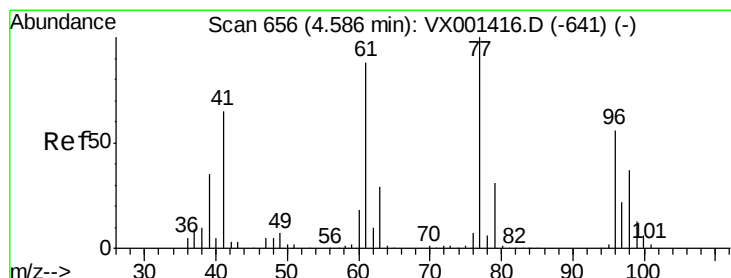
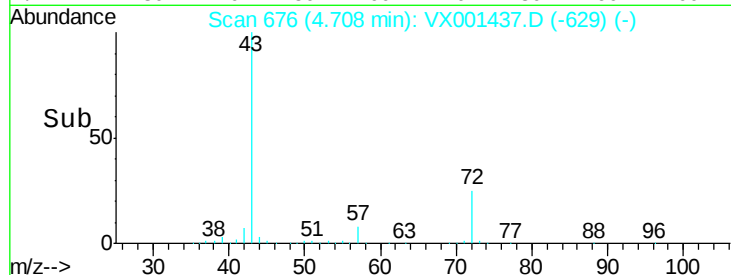
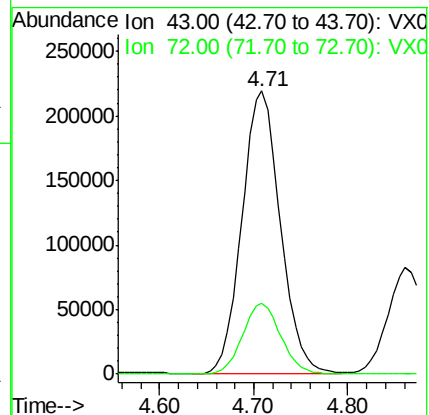
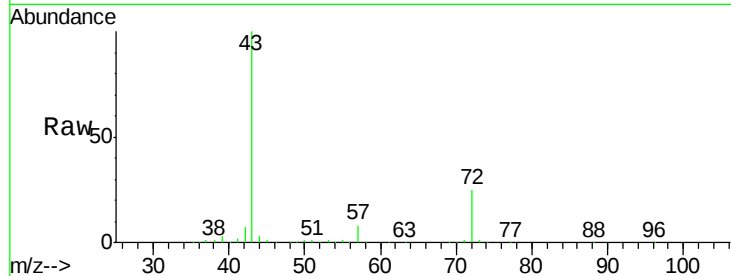
72 24.9 20.7 31.1

Manual Integrations

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MMDadoda

5/18/2018 2:17:27 PM



#26

2,2-Dichloropropane

Concen: 50.79 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001437.D

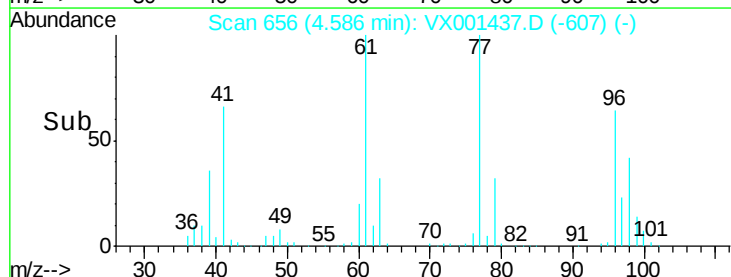
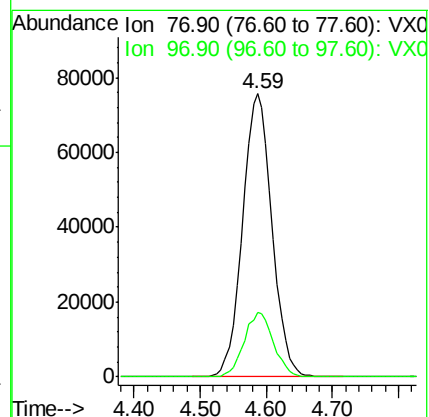
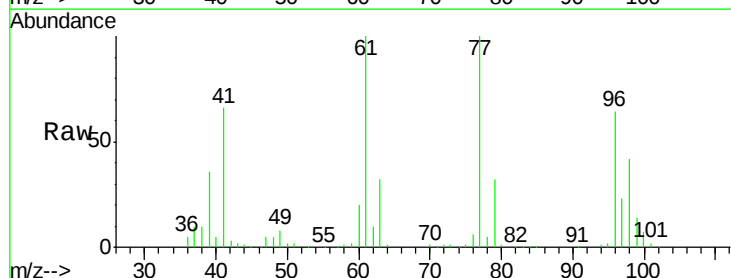
Acq: 06 May 2018 11:21

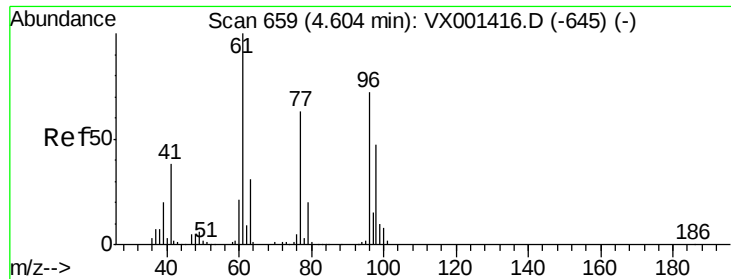
Tgt Ion: 77 Resp: 232348

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

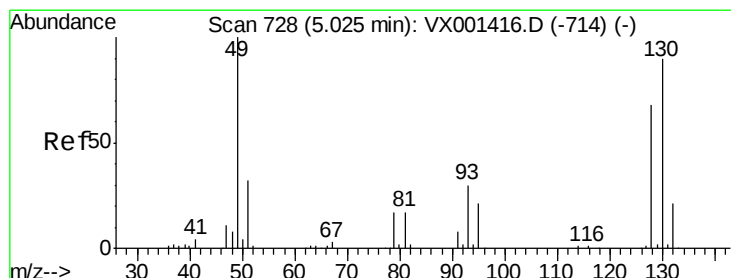
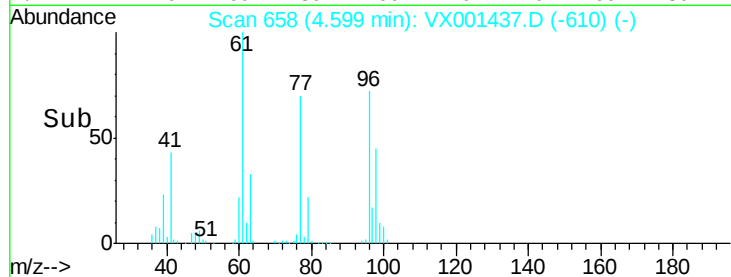
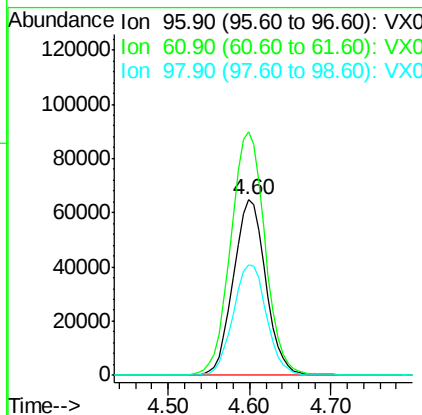
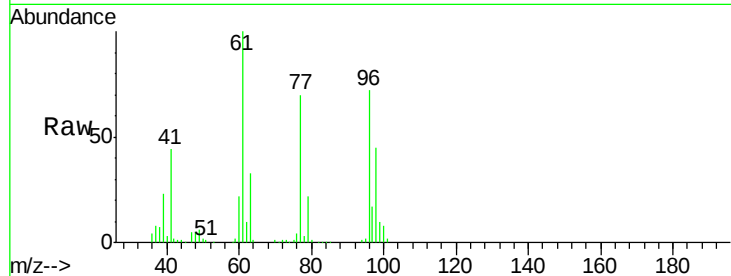
cis-1,2-Dichloroethene
Concen: 49.16 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177864		
61	147.0	0.0	301.6	
98	65.1	0.0	131.6	

Manual Integrations
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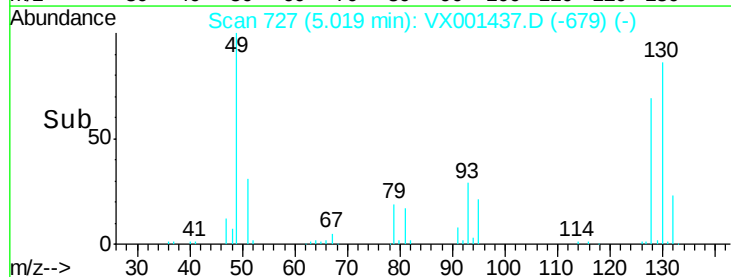
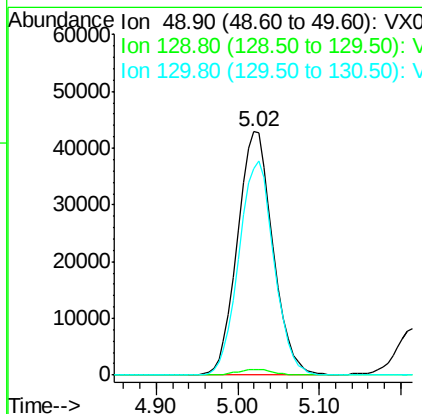
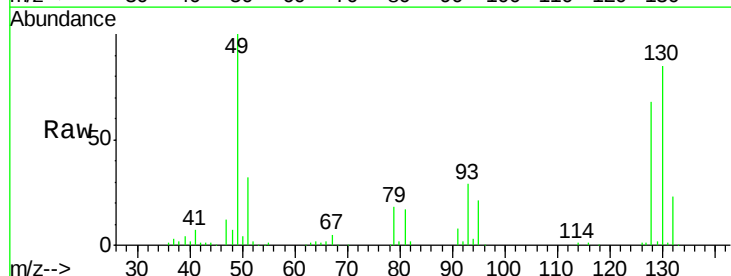
MMDadoda
5/18/2018 2:17:27 PM

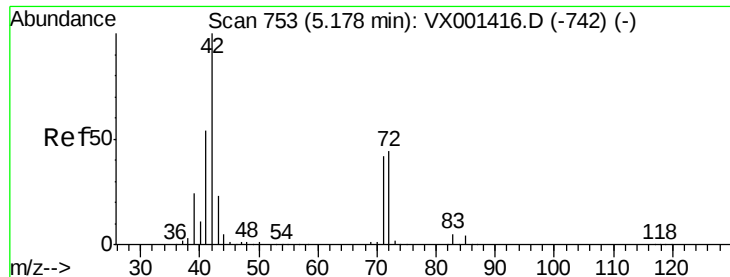


#28

Bromochloromethane
Concen: 50.52 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129746		
129	2.4	0.0	4.8	
130	87.3	71.9	107.9	





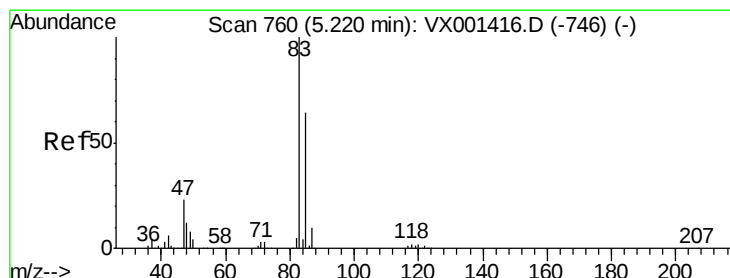
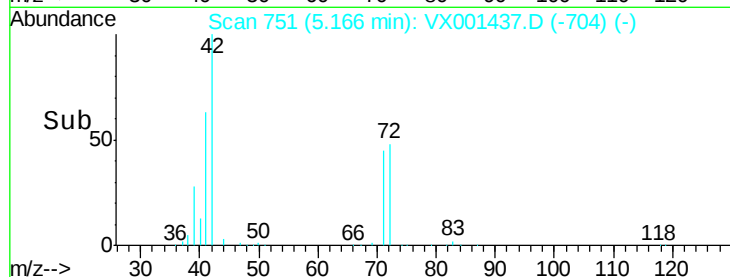
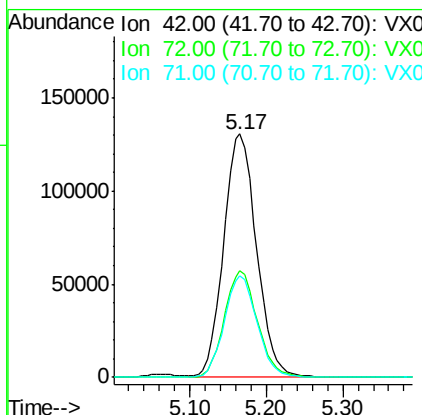
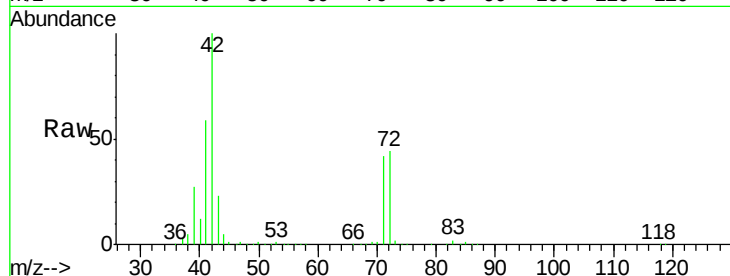
#29
Tetrahydrofuran
Concen: 232.86 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.4	53.2
71	41.6	33.0	49.4

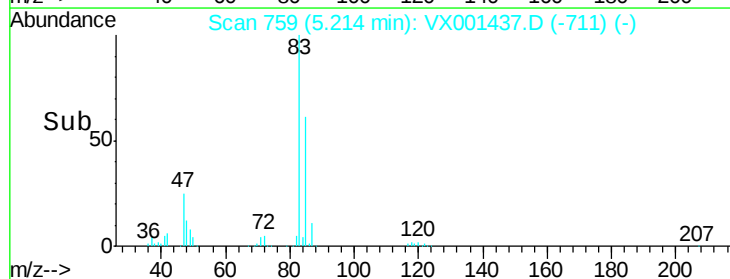
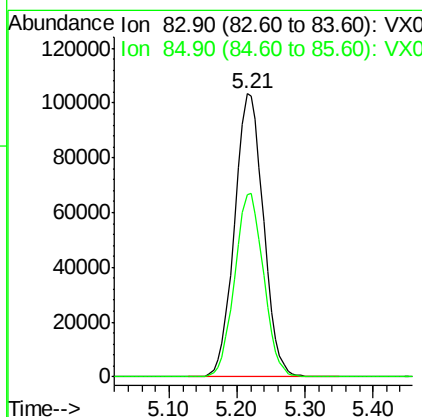
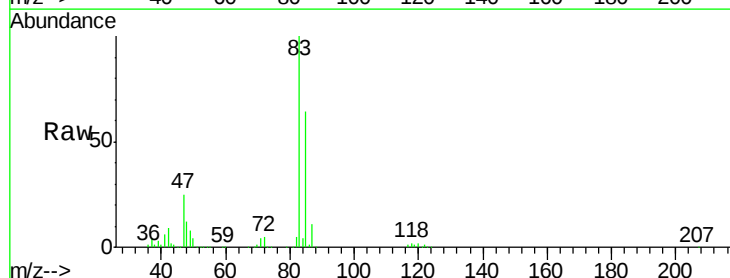
Manual Integrations
APPROVED

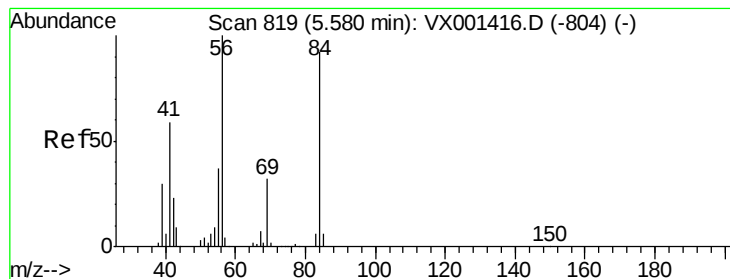
MMDadoda
5/18/2018 2:17:27 PM



#30
Chloroform
Concen: 49.97 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





#31

Cyclohexane

Concen: 50.27 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

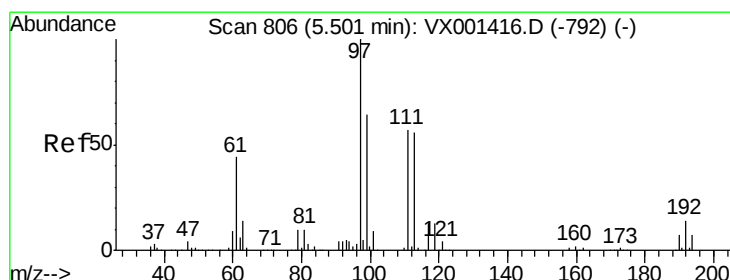
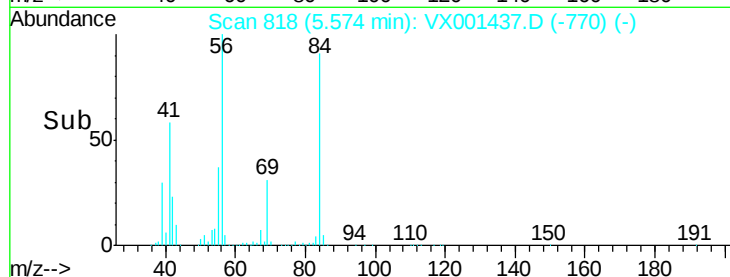
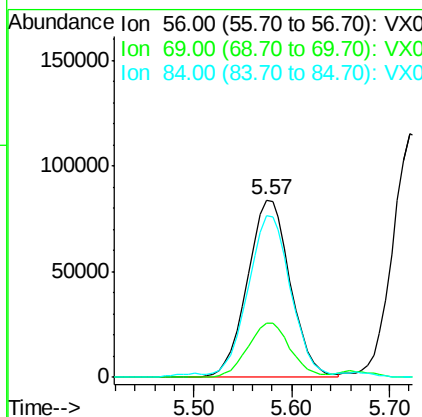
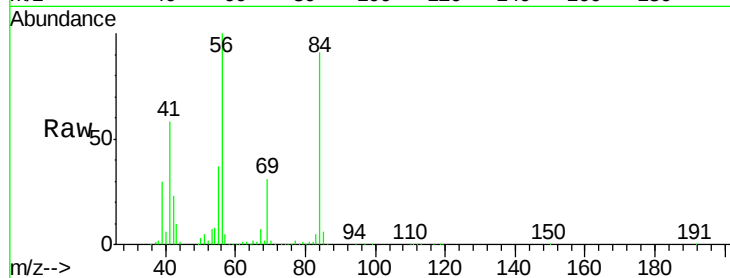
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	255755
Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.4	38.0
84	89.1	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.95 ug/l

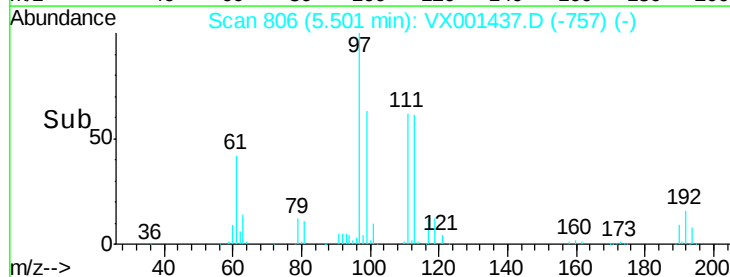
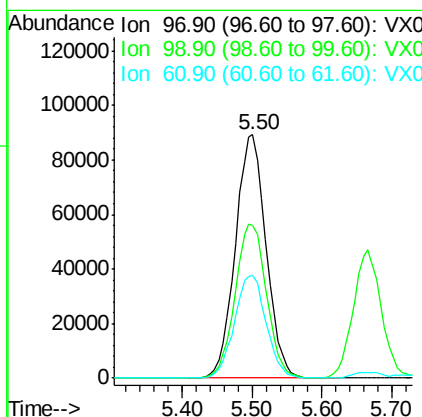
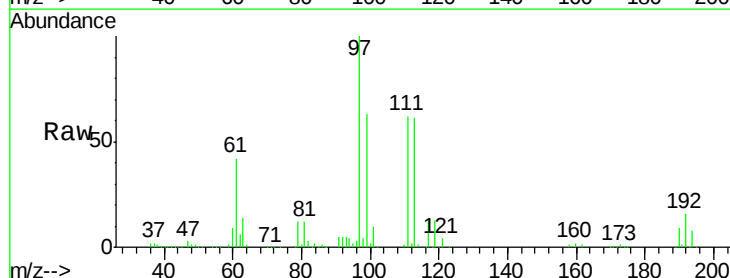
RT: 5.50 min Scan# 806

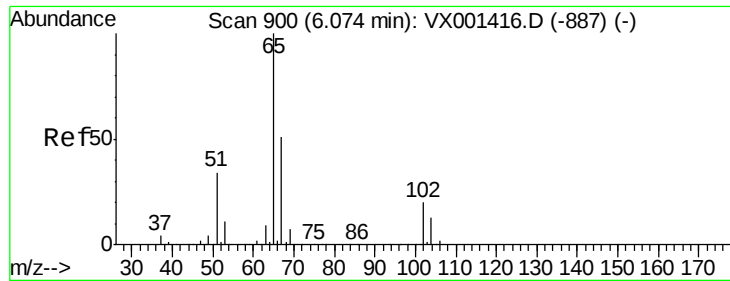
Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Tgt Ion:	97	Resp:	271687
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	43.7	34.8	52.2





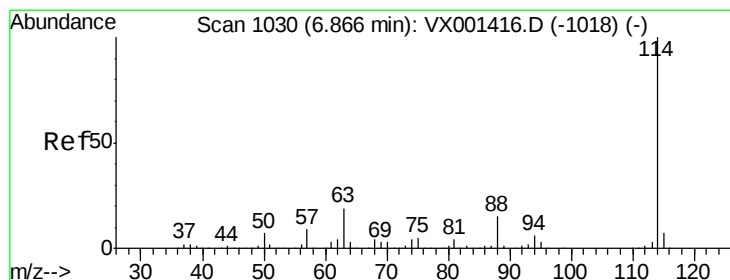
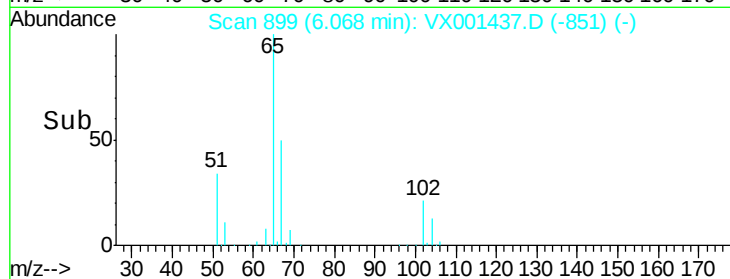
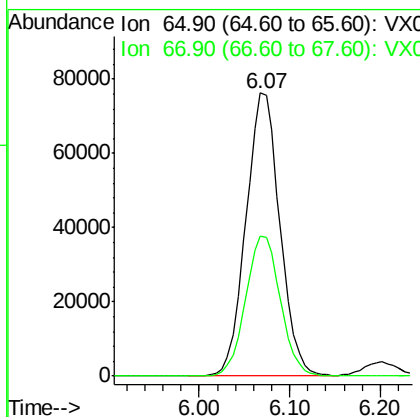
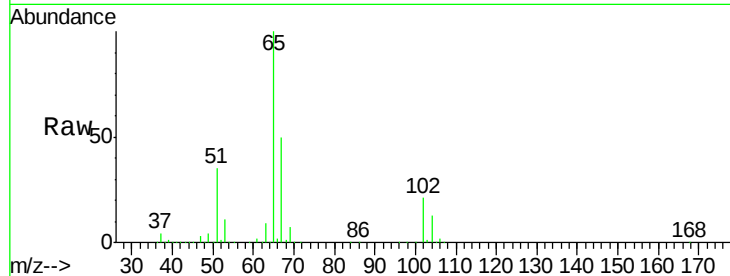
#33
 1,2-Dichloroethane-d4
 Concen: 49.99 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197660		
67	50.8	0.0	101.8	

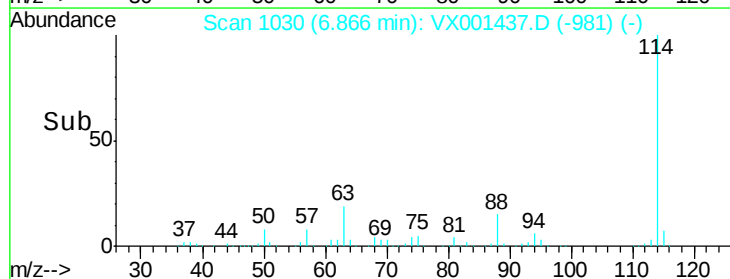
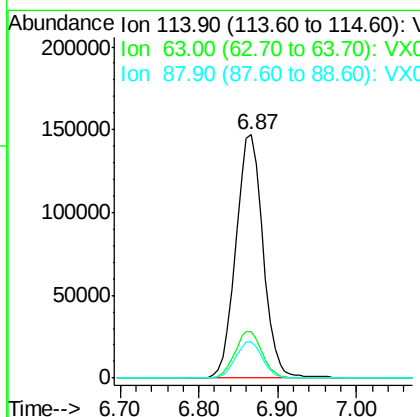
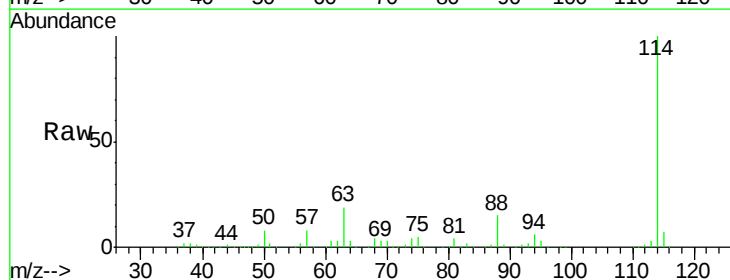
Manual Integrations
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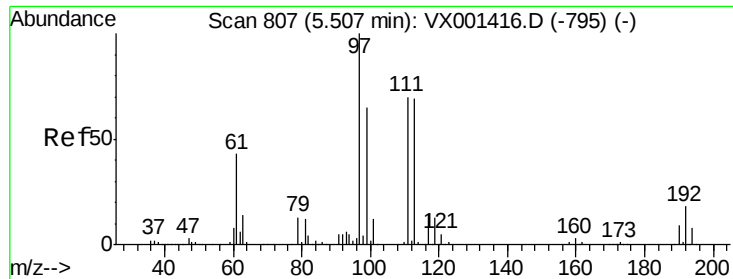
MMDadoda
 5/18/2018 2:17:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352890		
63	19.0	0.0	38.6	
88	15.0	0.0	30.8	





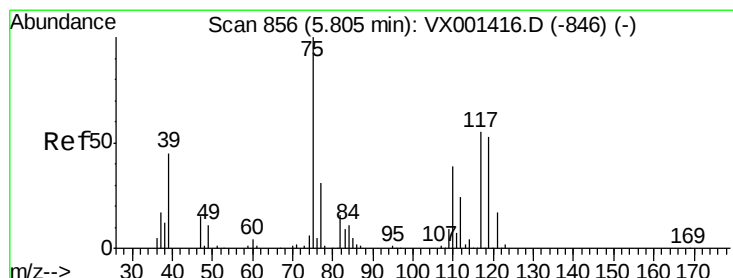
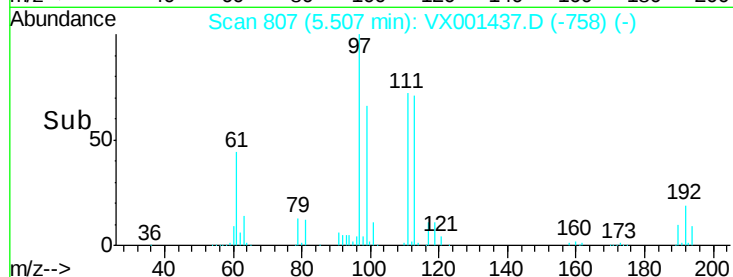
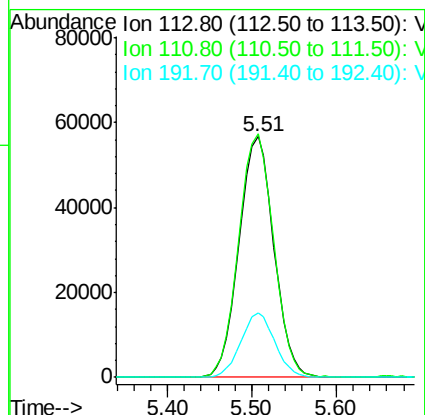
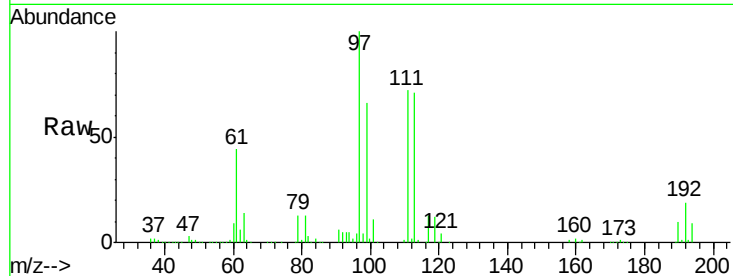
#35
 Dibromofluoromethane
 Concen: 50.55 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158684		
111	101.8	82.2	123.2	
192	26.0	21.4	32.0	

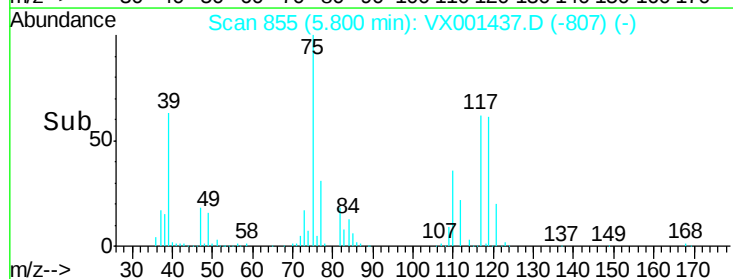
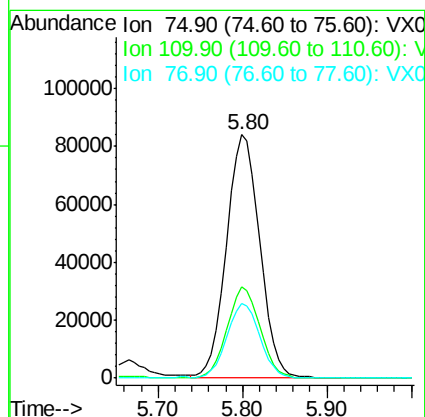
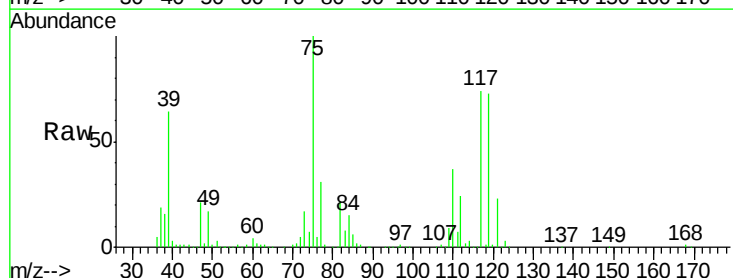
Manual Integrations
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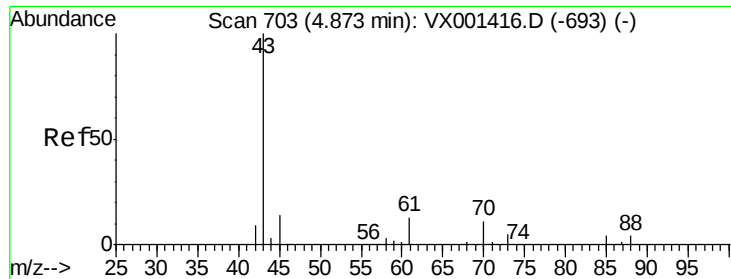
MMDadoda
 5/18/2018 2:17:27 PM



#36
 1,1-Dichloropropene
 Concen: 50.16 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225182		
110	37.1	18.9	56.7	
77	30.3	24.9	37.3	





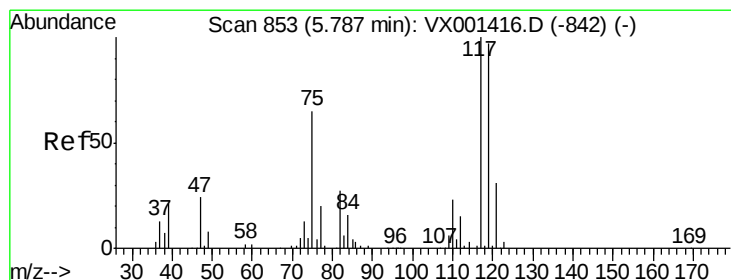
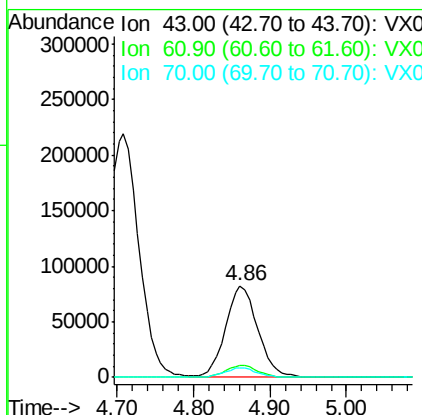
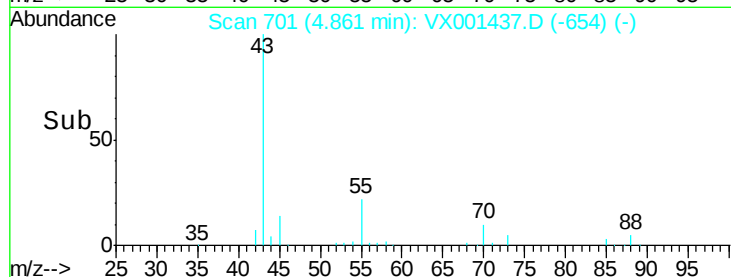
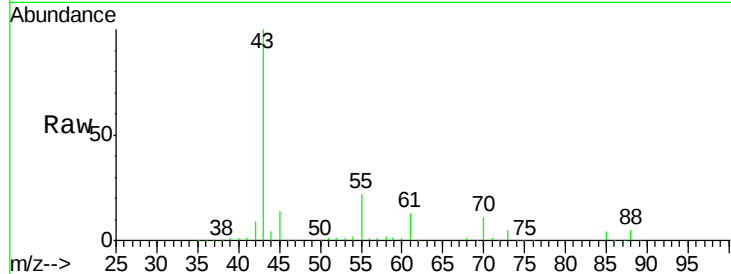
#37
Ethyl Acetate
Concen: 48.39 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	10.7	8.4	12.6

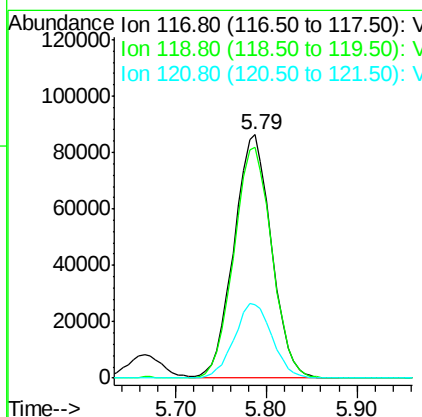
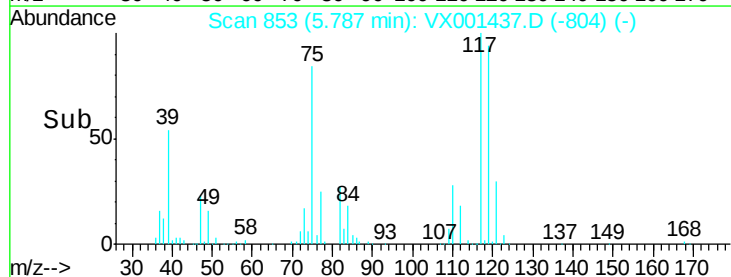
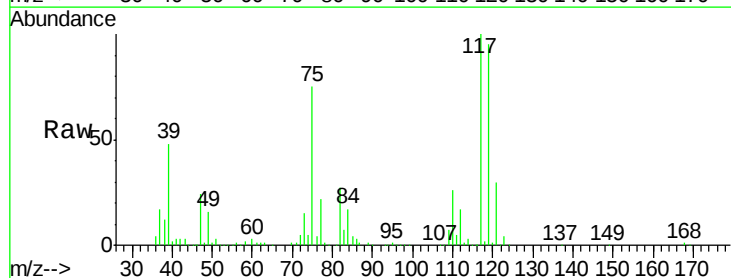
Manual Integrations
APPROVED

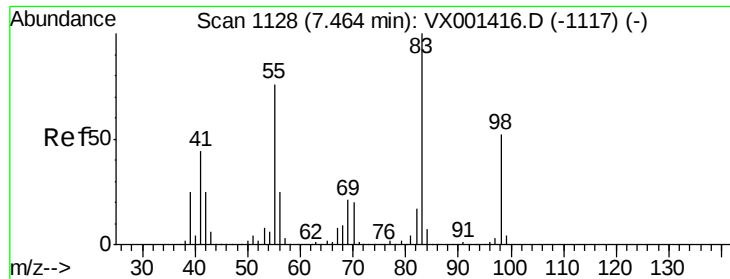
MMDadoda
5/18/2018 2:17:27 PM



#38
Carbon Tetrachloride
Concen: 51.62 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
121	29.9	25.1	37.7





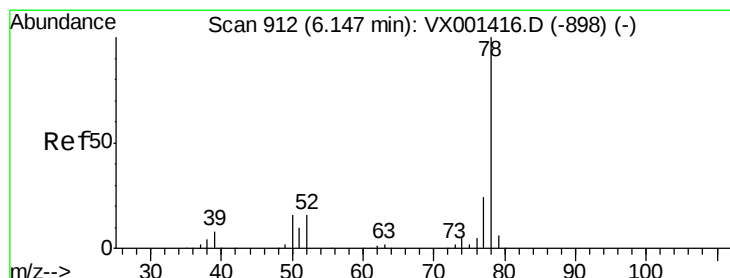
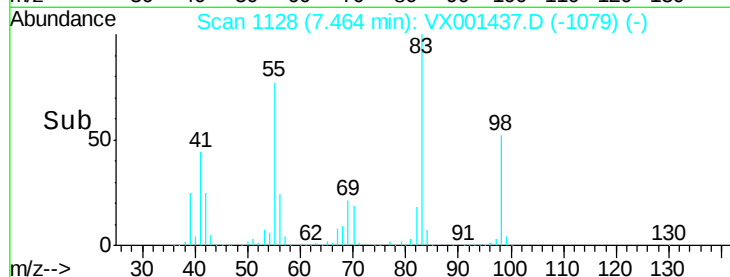
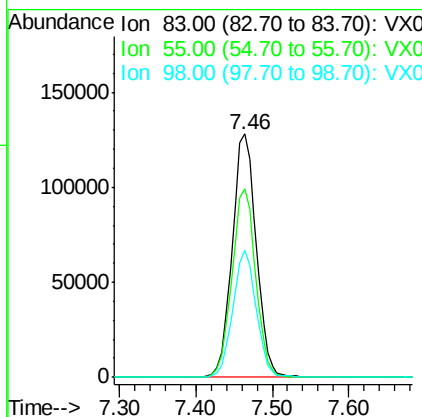
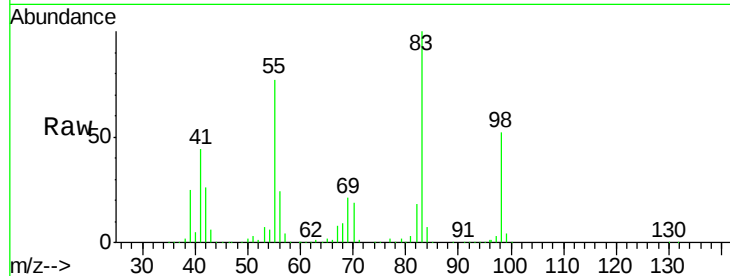
#39
Methvlcvclohexane
Concen: 52.43 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	278235		
55	77.2	60.9	91.3	
98	52.1	41.9	62.9	

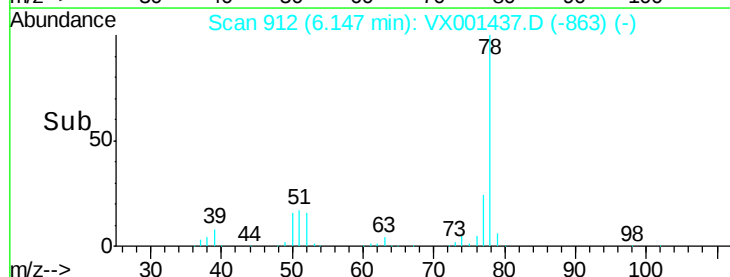
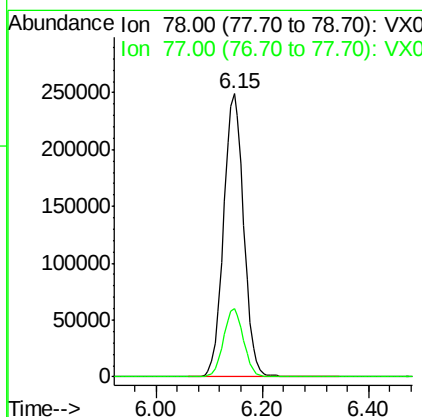
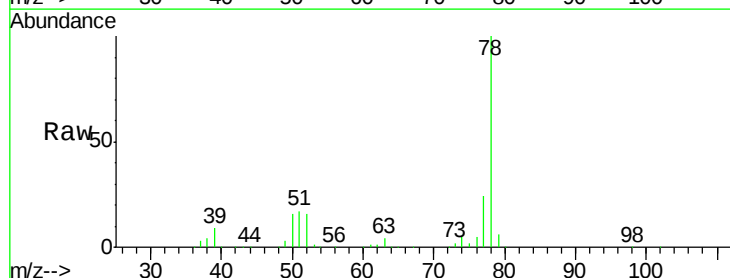
Manual Integrations
APPROVED

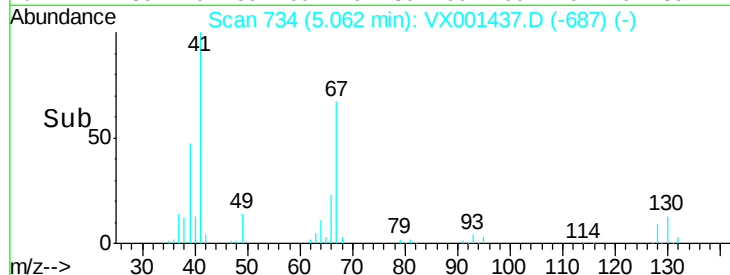
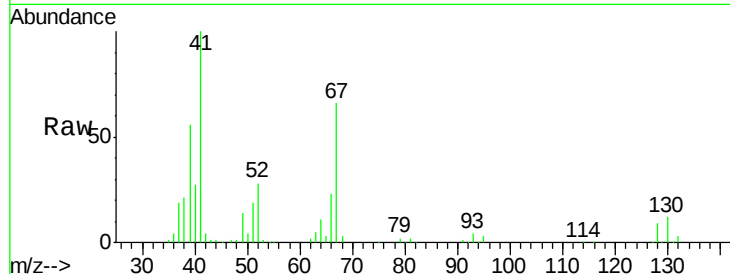
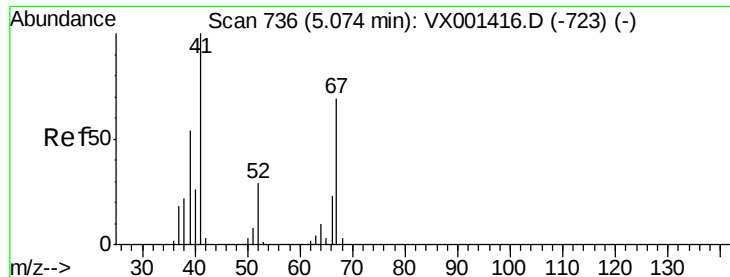
MMDadoda
5/18/2018 2:17:27 PM



#40
Benzene
Concen: 50.37 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

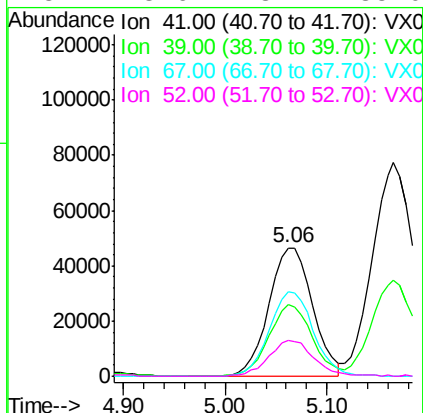
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	660381		
77	24.0	19.4	29.2	





#41
Methacrylonitrile
Concen: 48.88 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

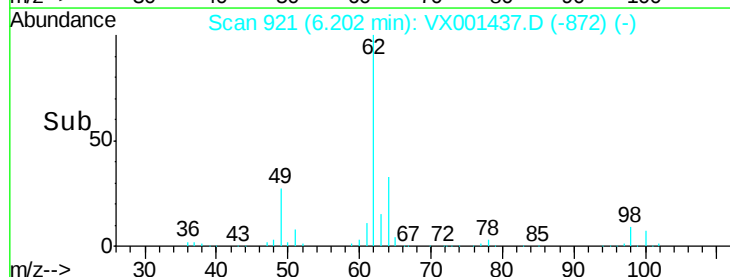
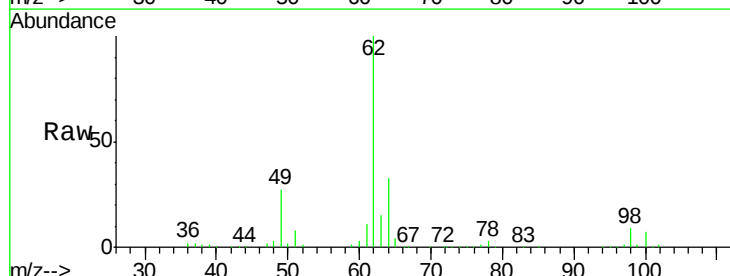
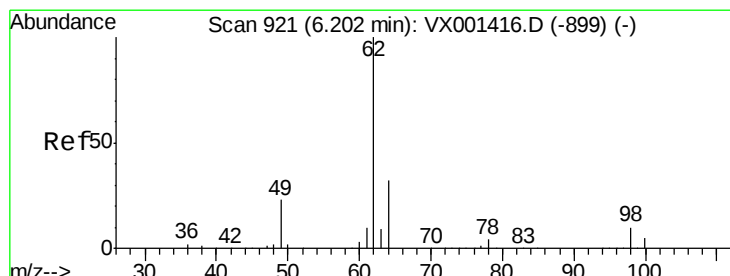
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.7	45.0	67.6		
67	67.1	55.0	82.6		
52	28.6	23.4	35.0		



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

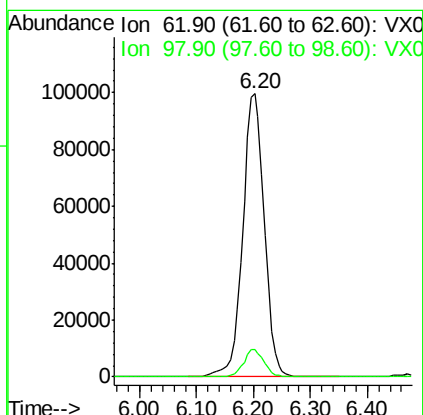
Manual Integrations
APPROVED

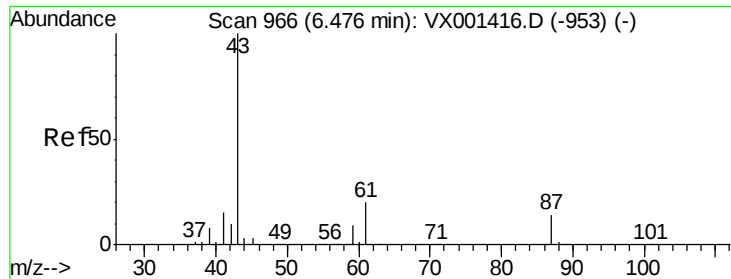
MMDadoda
5/18/2018 2:17:27 PM



#42
1,2-Dichloroethane
Concen: 52.17 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.2	0.0	19.0		





#43

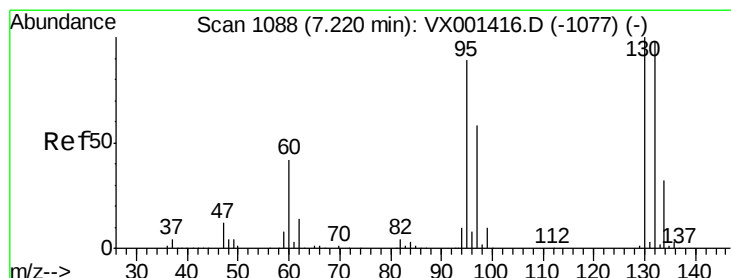
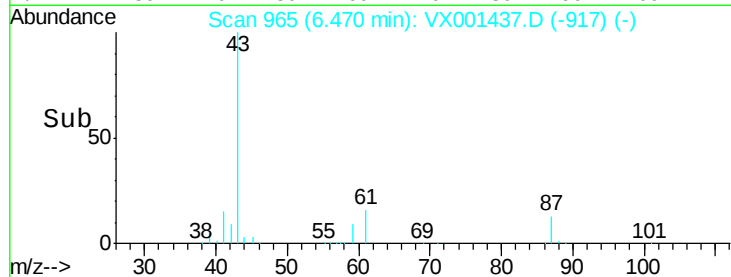
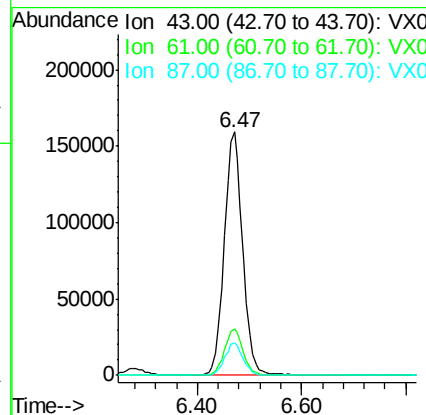
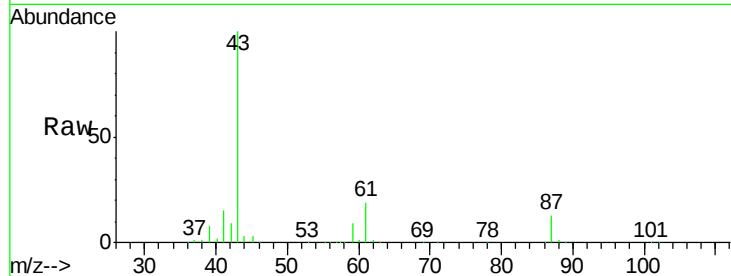
Isopropyl Acetate
 Concen: 52.24 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	394616
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.4	23.0
87	13.4	10.8	16.2

Manual Integrations
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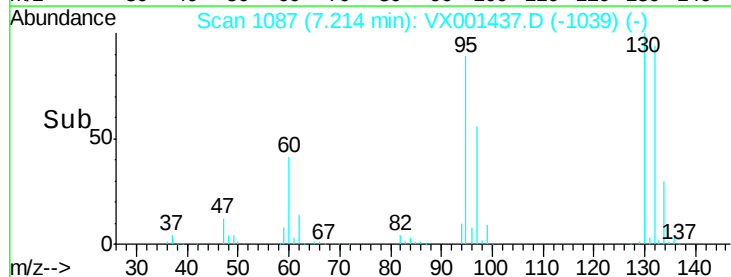
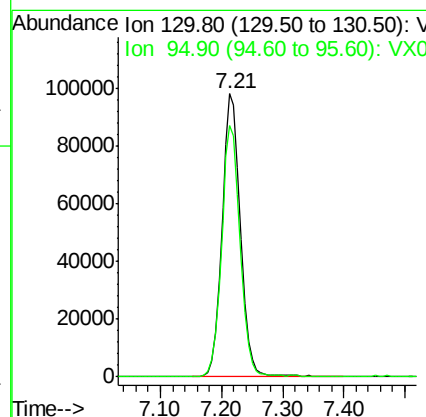
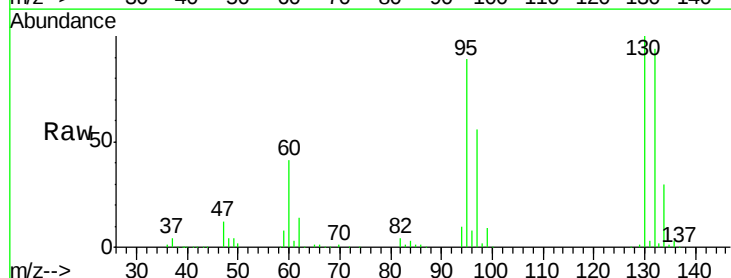
MMDadoda
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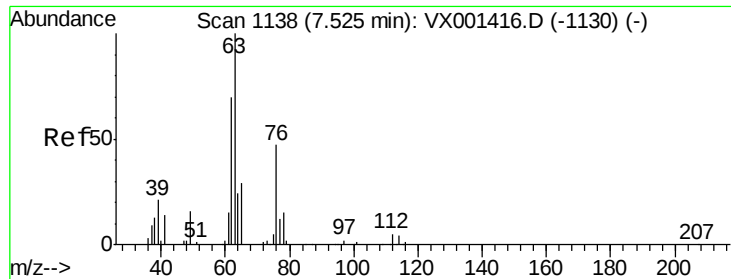


#44

Trichloroethene
 Concen: 51.56 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	130	Resp	206624
Ion Ratio	Lower	Upper	
130	100		
95	88.7	0.0	178.4





#45

1,2-Dichloropropane

Concen: 51.04 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 166833

Ion Ratio Lower Upper

63 100

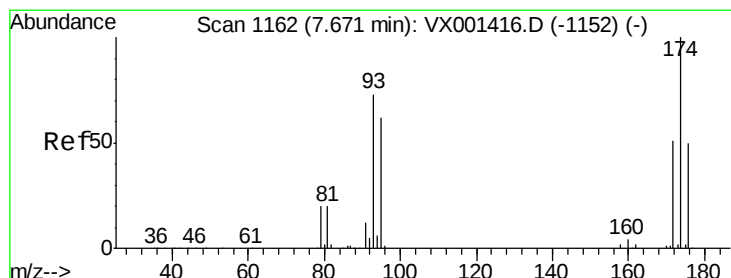
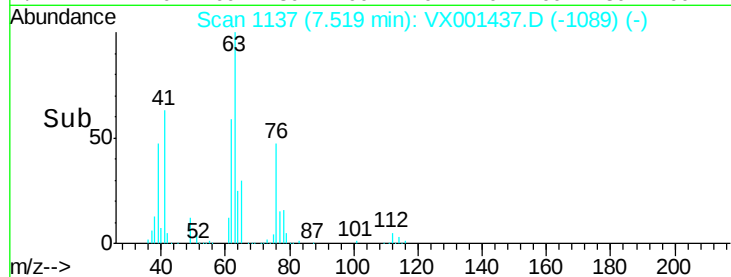
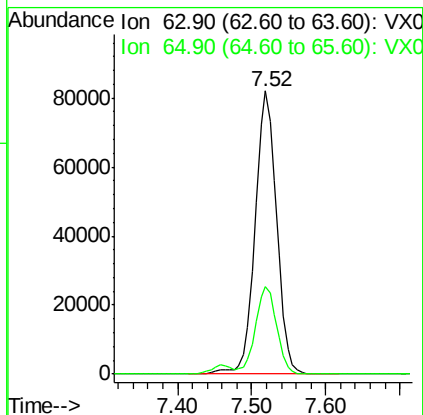
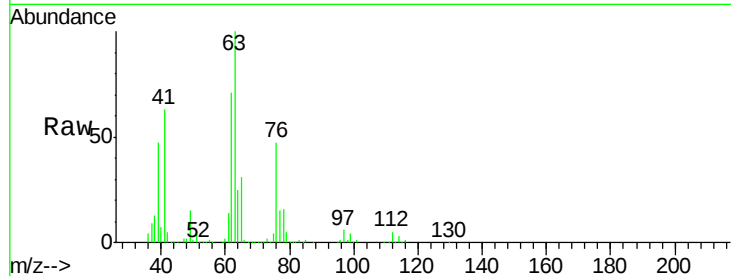
65 31.1 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 50.89 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

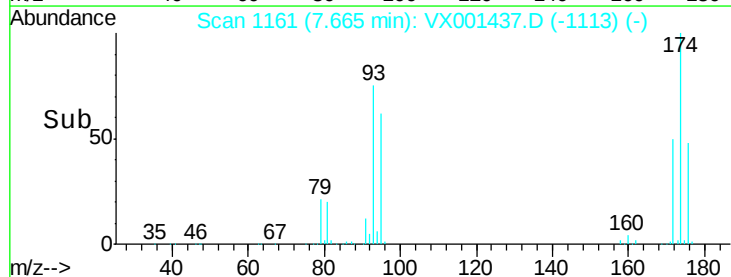
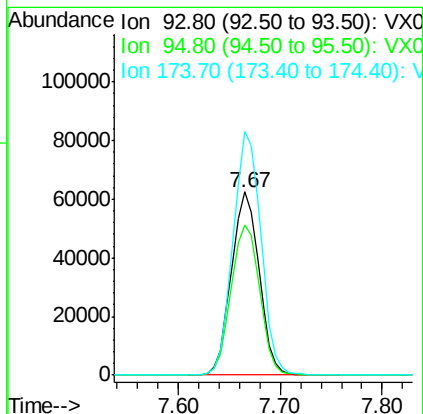
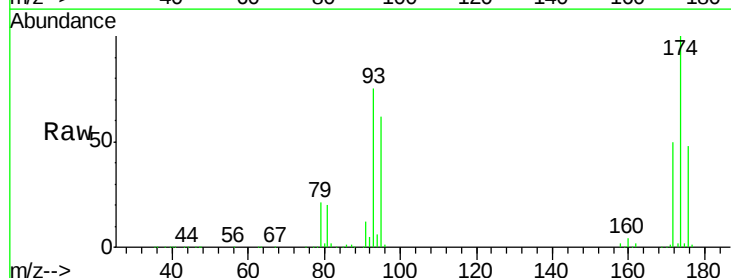
Tgt Ion: 93 Resp: 117752

Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.4

174 133.1 104.5 156.7





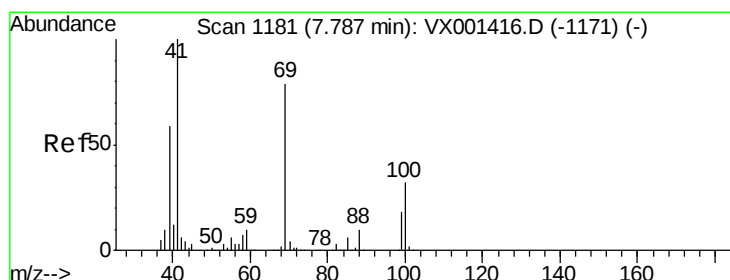
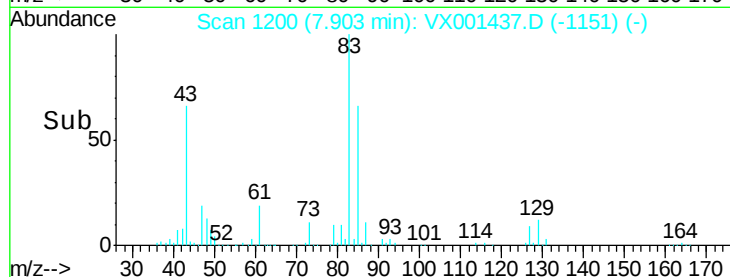
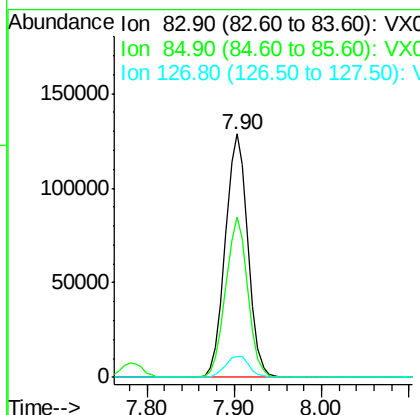
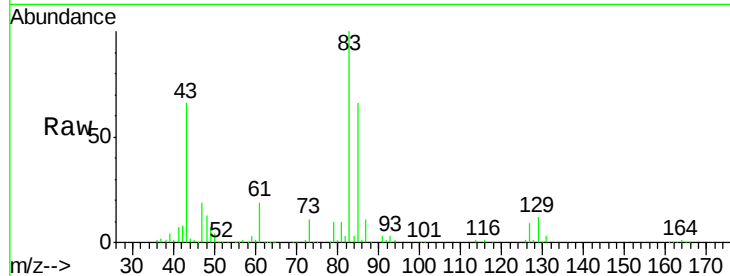
#47
 Bromodichloromethane
 Concen: 53.64 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229723		
85	65.8		51.0	76.6
127	8.8		7.4	11.2

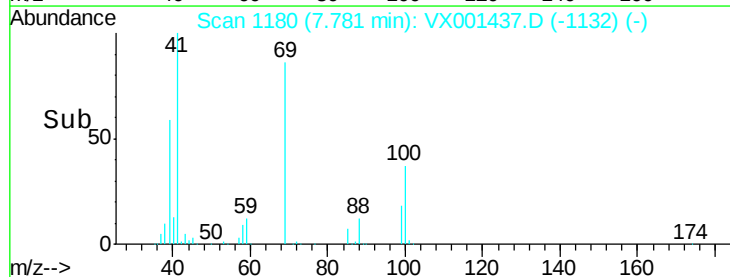
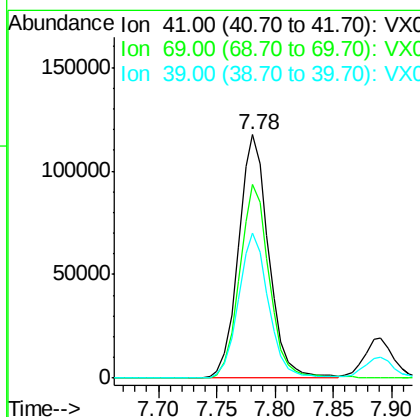
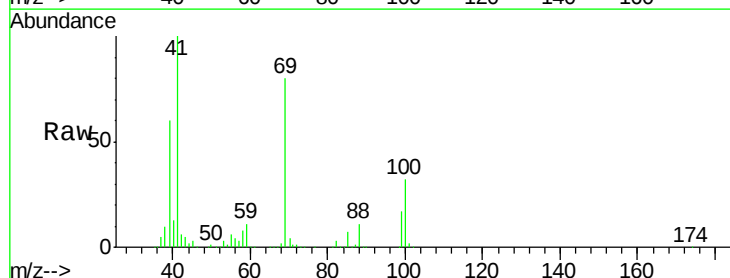
Manual Integrations
 APPROVED

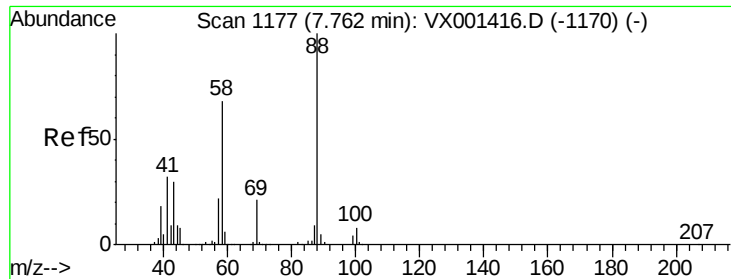
MMDadoda
 5/18/2018 2:17:27 PM



#48
 Methyl methacrylate
 Concen: 51.44 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	211565		
69	78.7		63.4	95.2
39	59.3		47.0	70.4





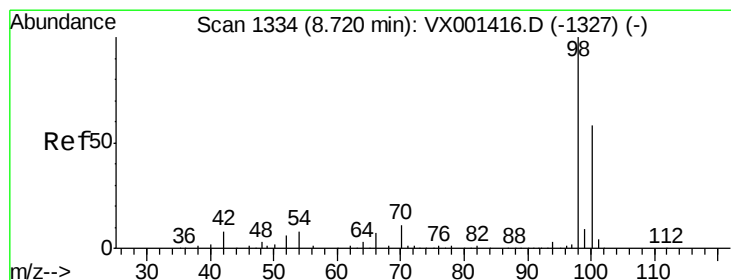
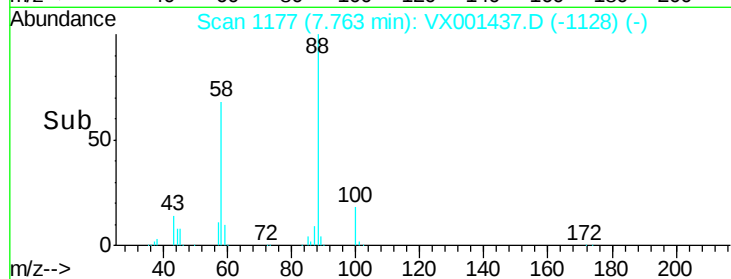
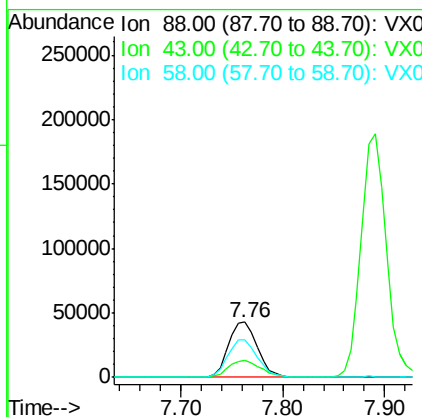
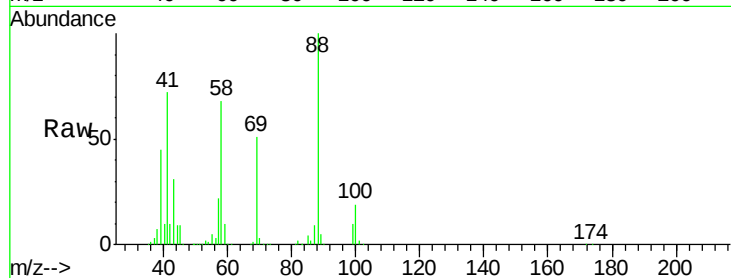
#49
1,4-Dioxane
Concen: 952.39 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.4	39.6
58	69.5	54.1	81.1

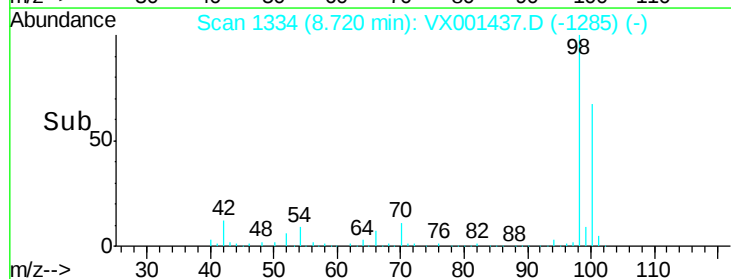
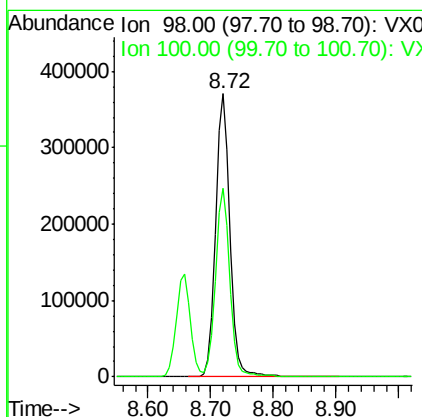
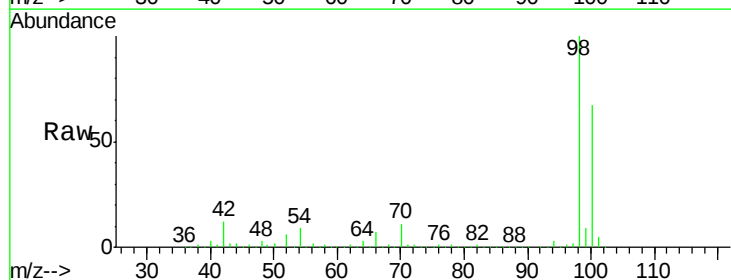
Manual Integrations
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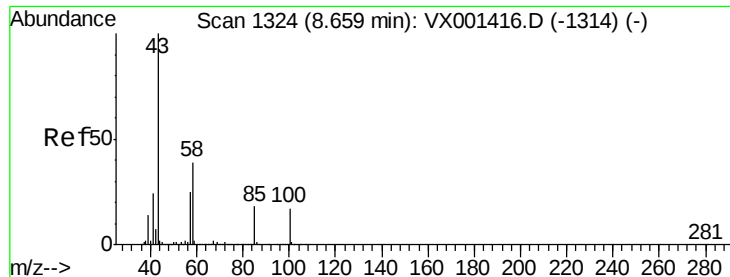
MMDadoda
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#50
Toluene-d8
Concen: 50.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 252.25 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1266197

Ion Ratio Lower Upper

43 100

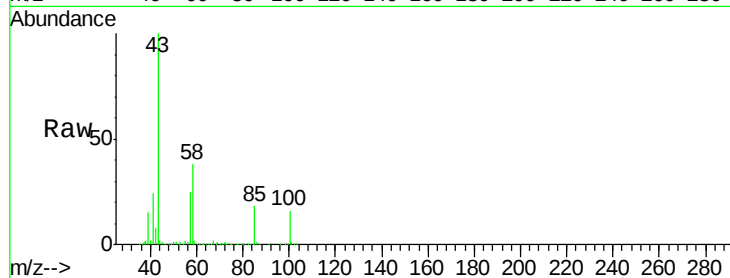
58 38.8 30.8 46.2

Manual Integrations

APPROVED

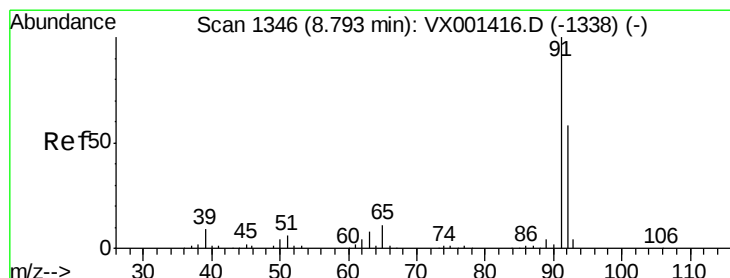
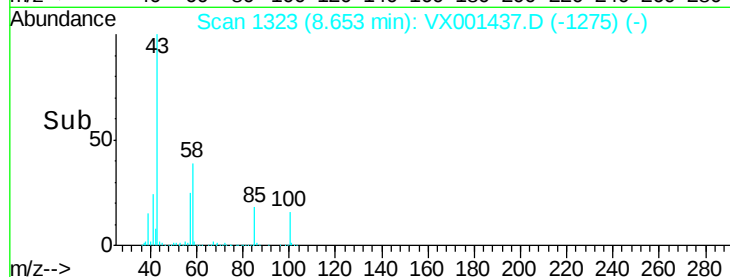
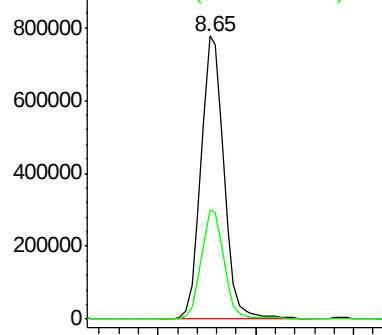
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.31 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001437.D

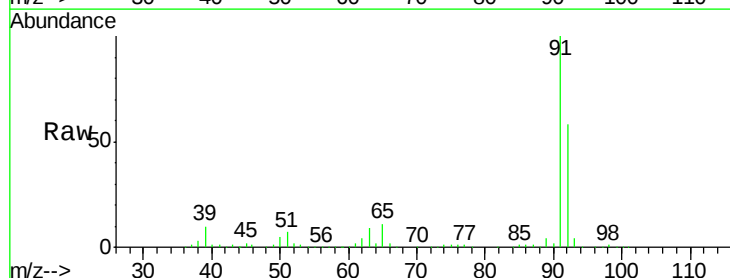
Acq: 06 May 2018 11:21

Tgt Ion: 92 Resp: 439869

Ion Ratio Lower Upper

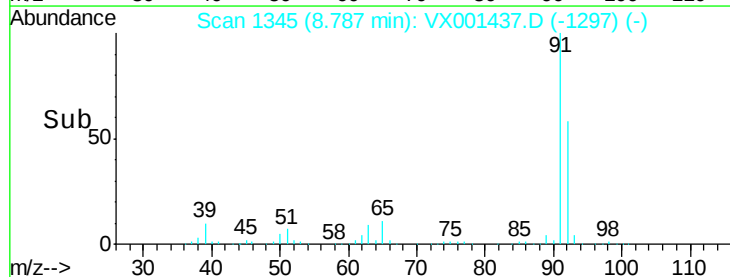
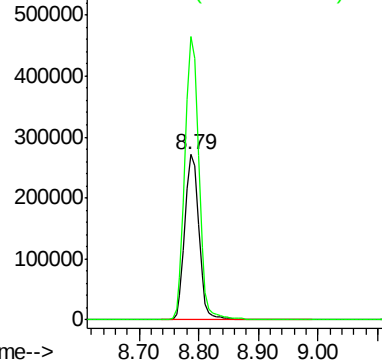
92 100

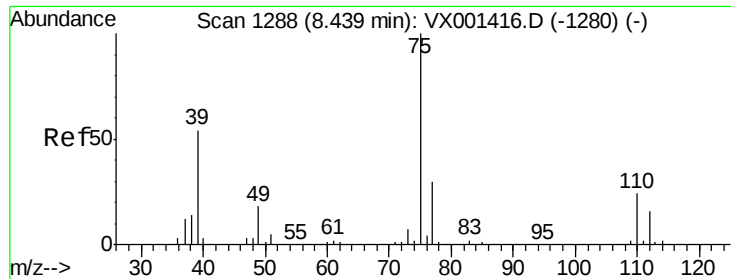
91 170.6 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





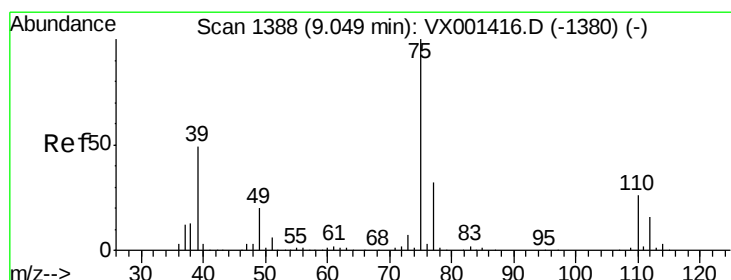
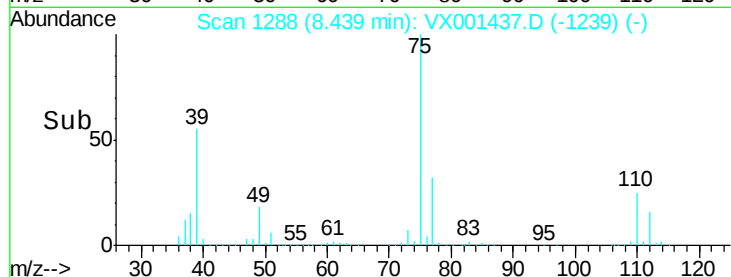
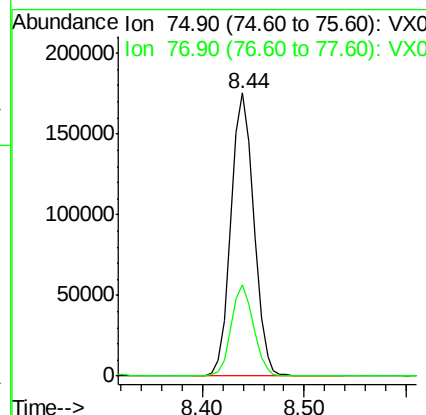
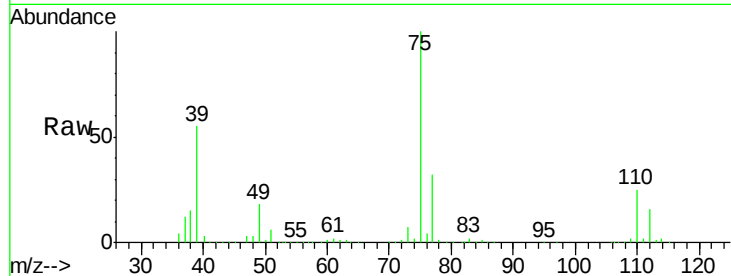
#53
t-1,3-Dichloropropene
Concen: 56.23 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 272157
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.4

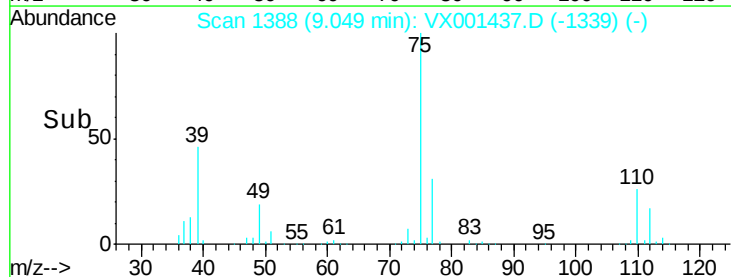
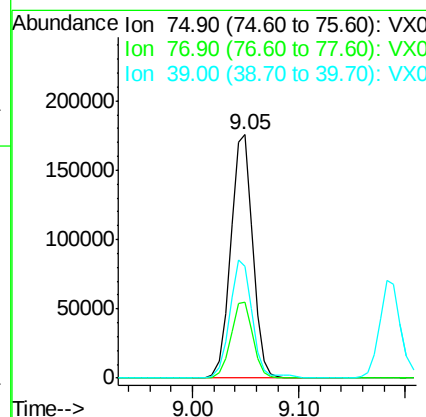
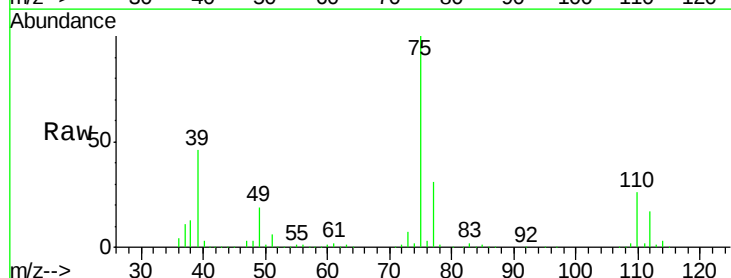
Manual Integrations
APPROVED

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#54
cis-1,3-Dichloropropene
Concen: 50.72 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion: 75 Resp: 253971
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 46.0 38.9 58.3





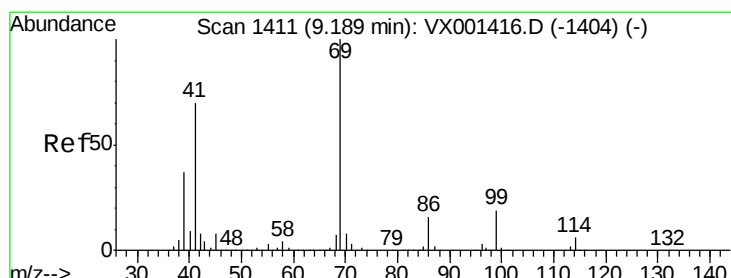
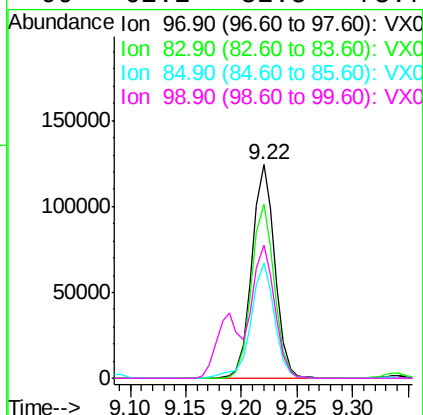
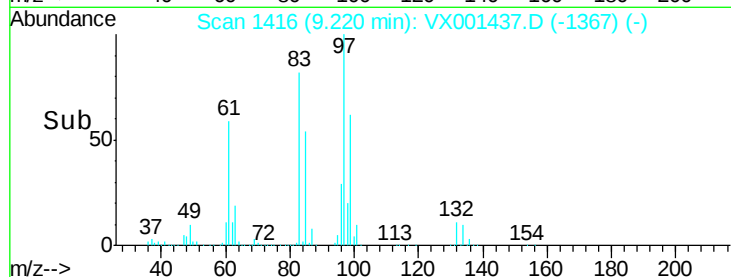
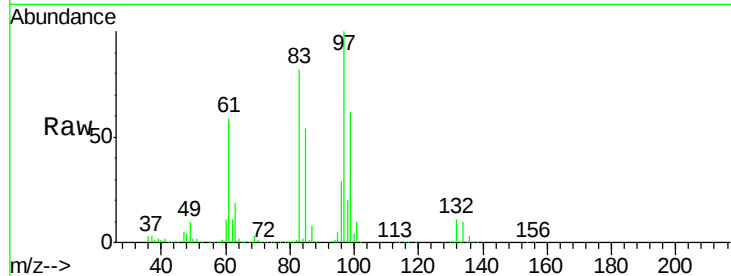
#55
1,1,2-Trichloroethane
Concen: 51.72 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		178625		
83	81.6	67.4	101.0		
85	53.7	43.3	64.9		
99	62.2	52.5	78.7		

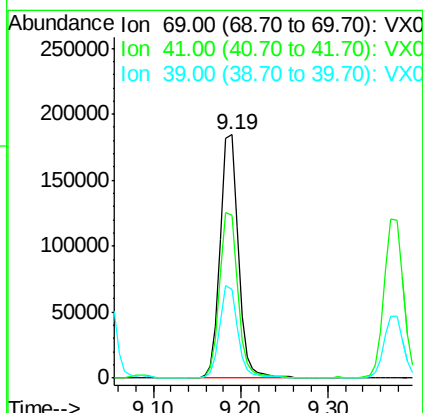
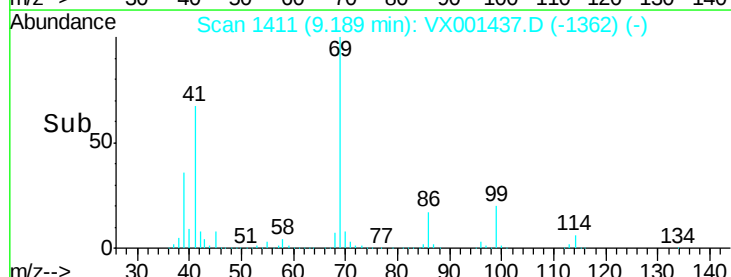
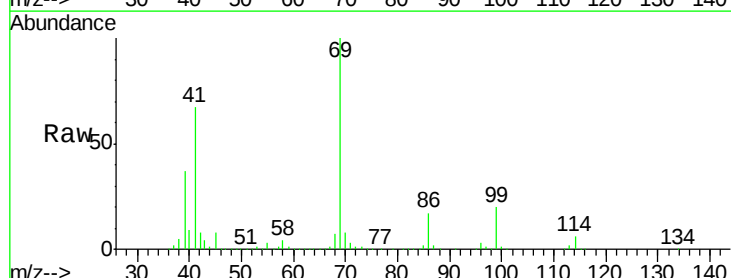
Manual Integrations
APPROVED

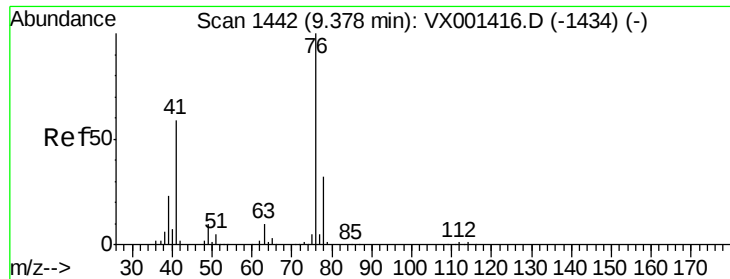
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#56
Ethyl methacrylate
Concen: 53.32 ug/l
RT: 9.19 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		265454		
41	68.3	55.1	82.7		
39	37.8	29.9	44.9		





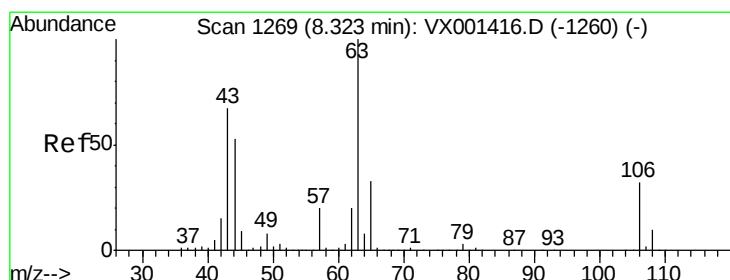
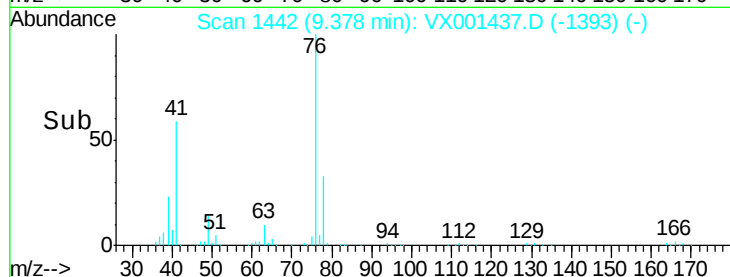
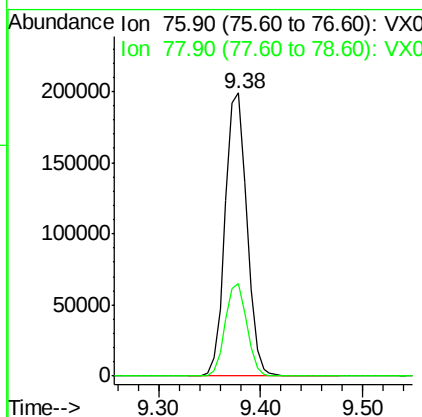
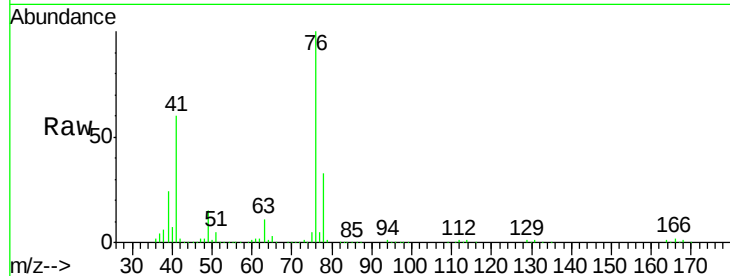
#57
 1,3-Dichloropropane
 Concen: 51.26 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

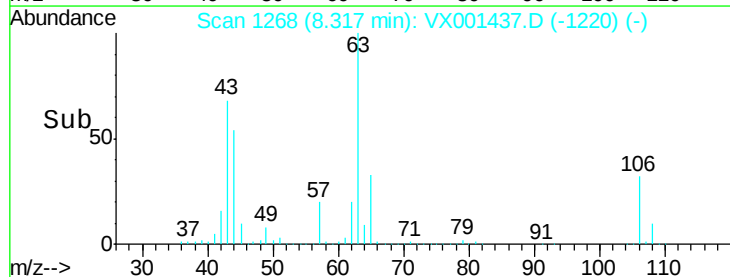
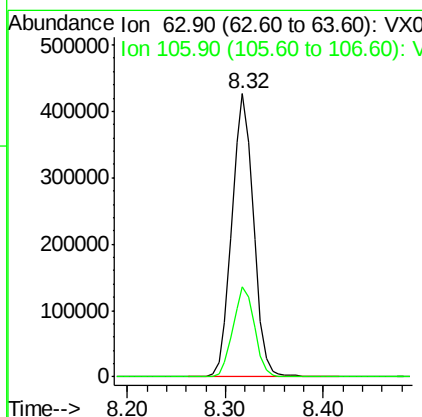
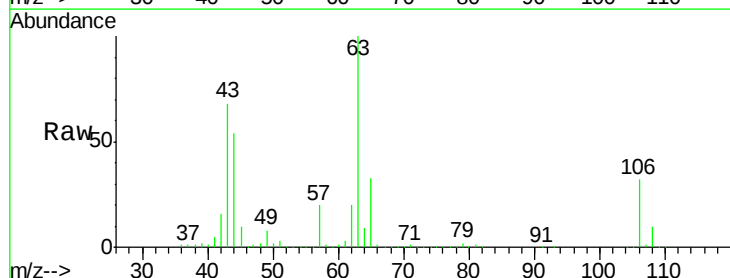
Manual Integrations
 APPROVED

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 5/18/2018 2:17:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.91 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.4	38.0





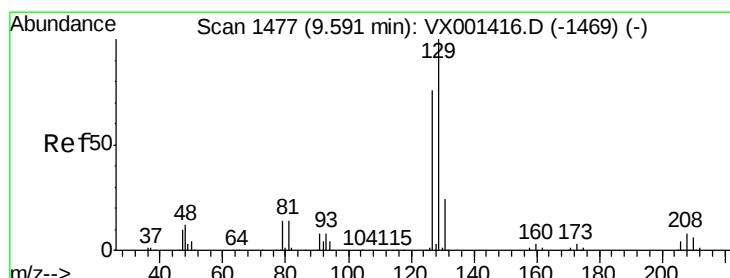
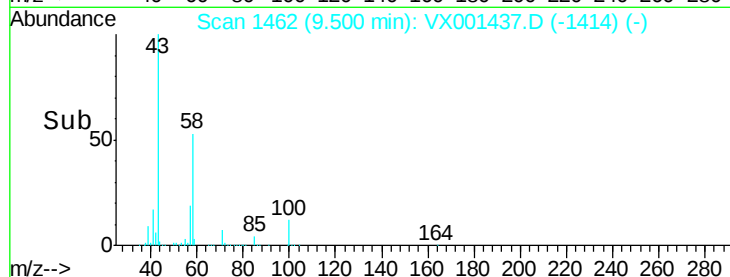
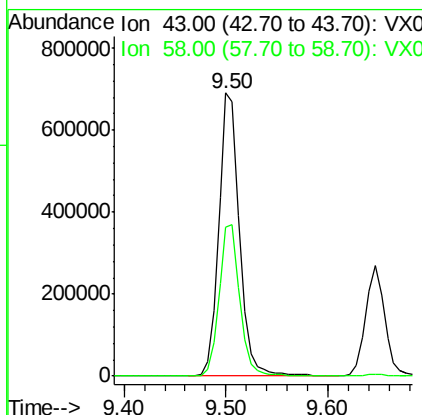
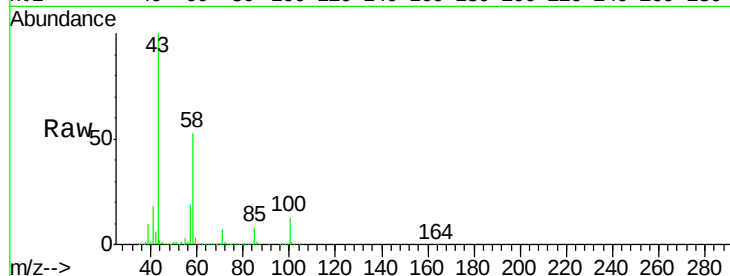
#59
2-Hexanone
Concen: 256.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.1	81.2

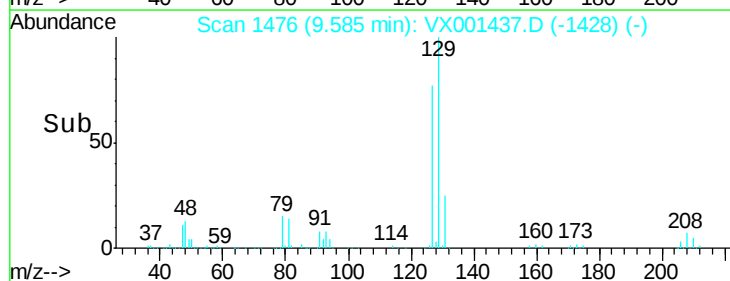
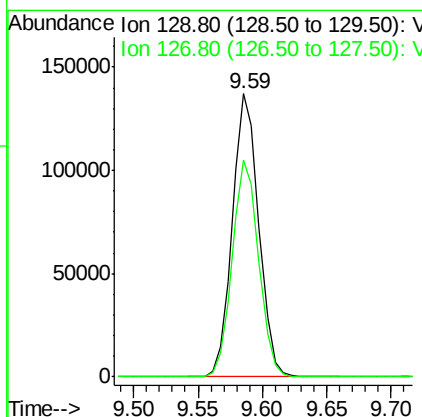
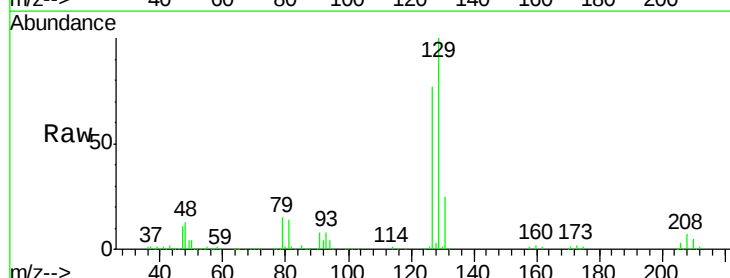
Manual Integrations
APPROVED

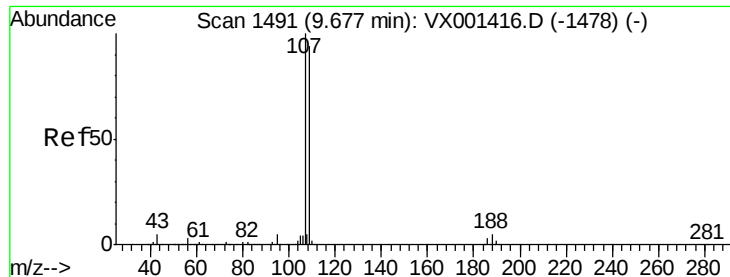
MMDadoda
5/18/2018 2:17:27 PM



#60
Dibromochloromethane
Concen: 55.31 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.5





#61

1,2-Dibromoethane

Concen: 52.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 189684

Ion Ratio Lower Upper

107 100

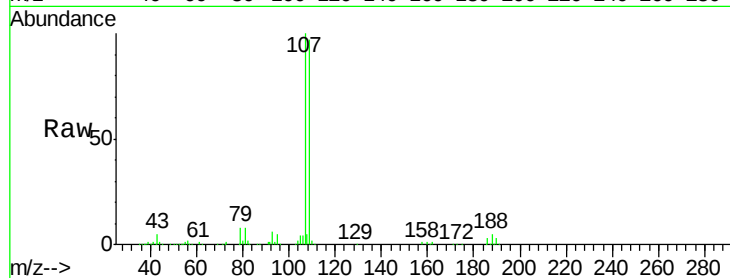
109 94.9 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

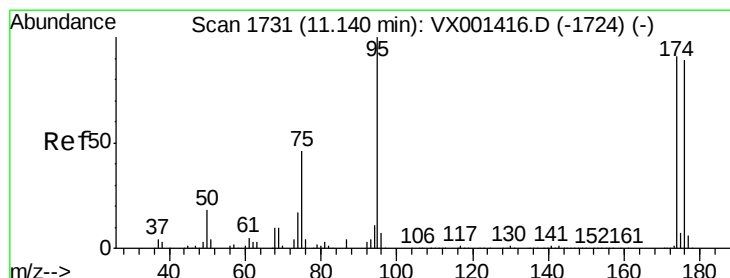
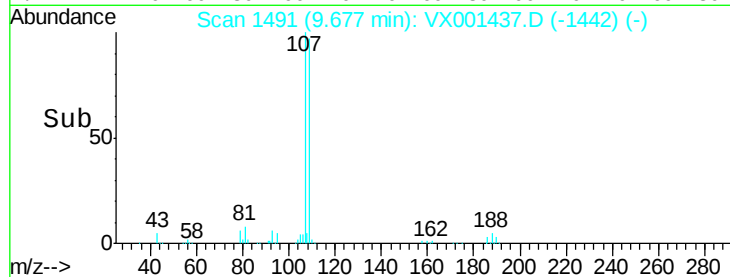
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

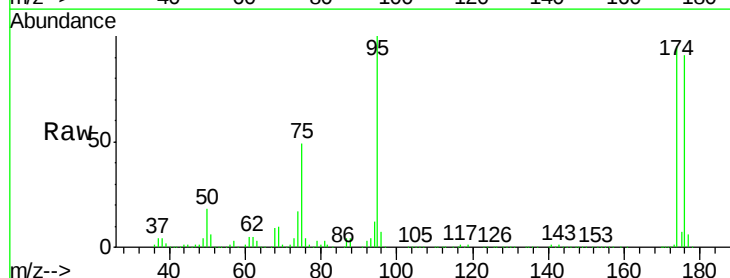
Tgt Ion: 95 Resp: 228743

Ion Ratio Lower Upper

95 100

174 100.8 0.0 202.0

176 97.9 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

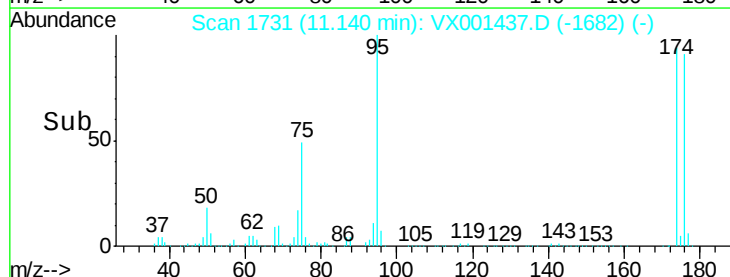
150000

100000

50000

0

Time-->





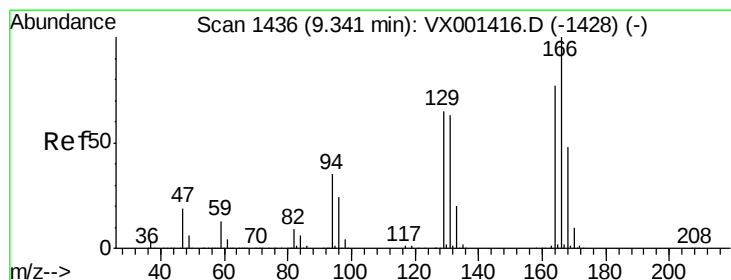
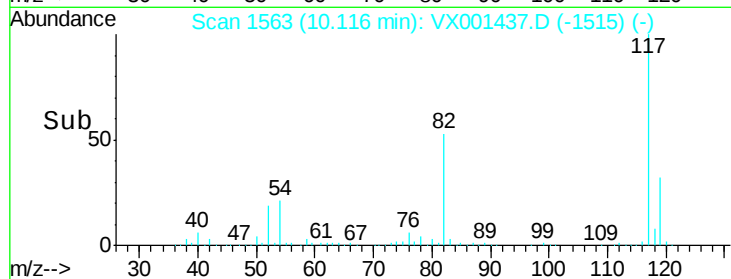
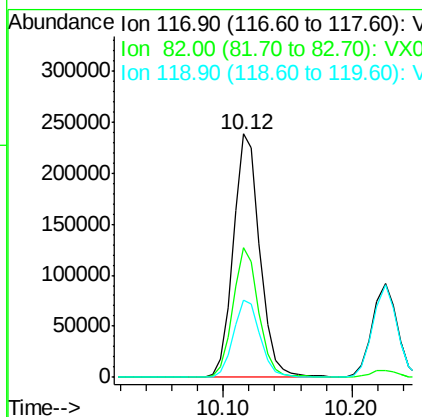
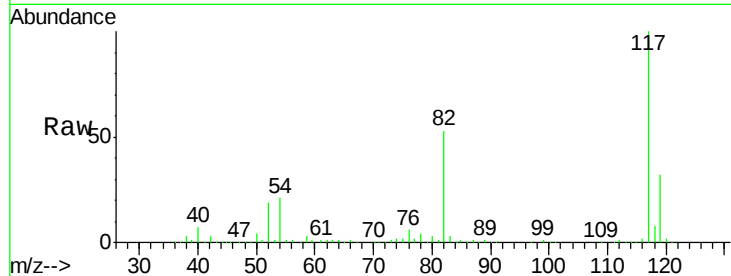
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.0	60.0
119	32.0	25.8	38.8

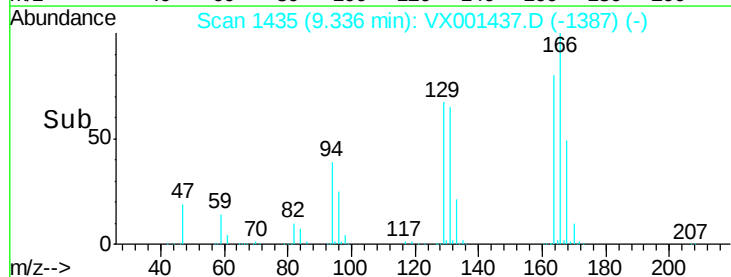
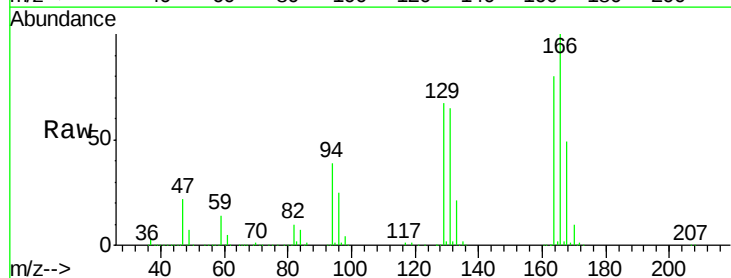
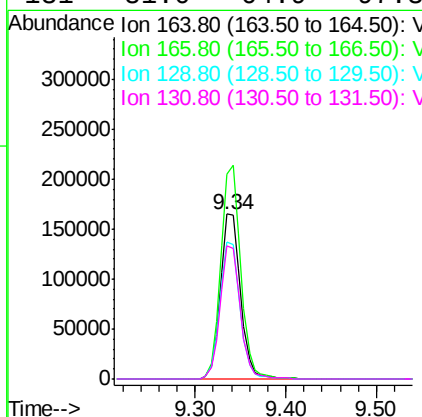
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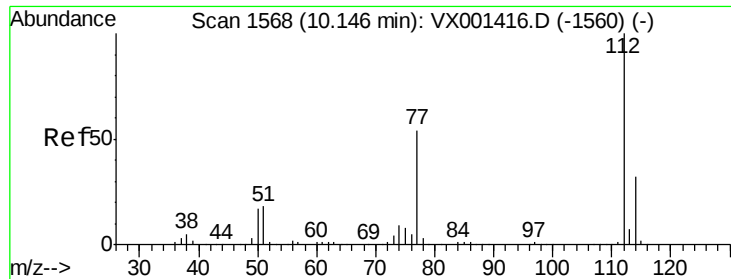
MMDadoda
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#64
Tetrachloroethene
Concen: 53.55 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.5	155.3
129	83.2	66.7	100.1
131	81.0	64.9	97.3





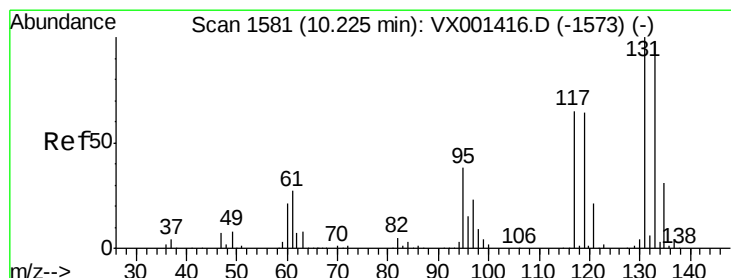
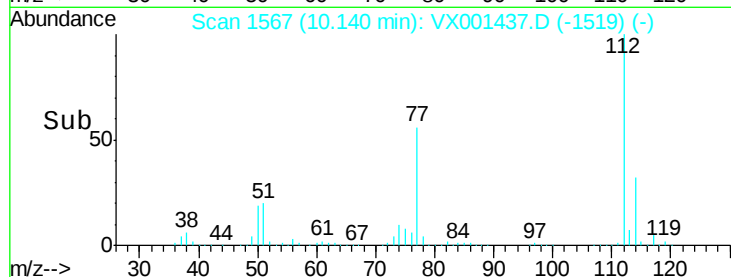
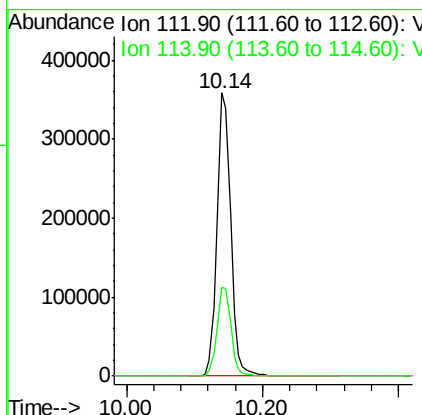
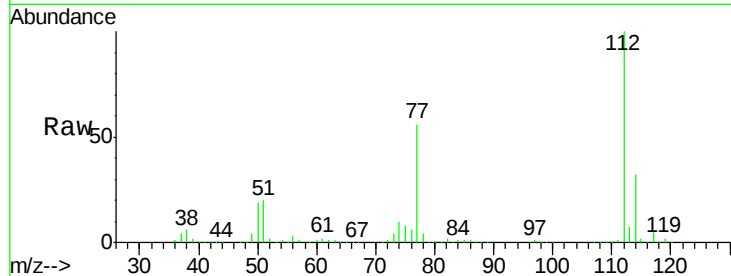
#65
Chlorobenzene
Concen: 50.29 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 505562
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

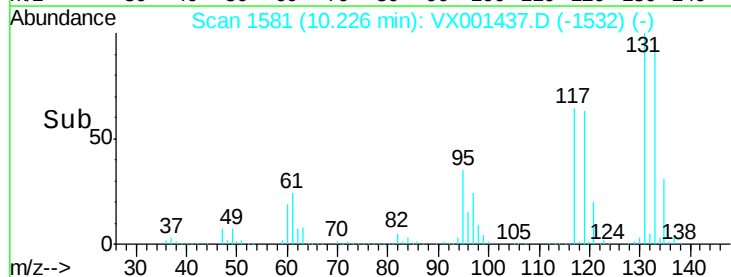
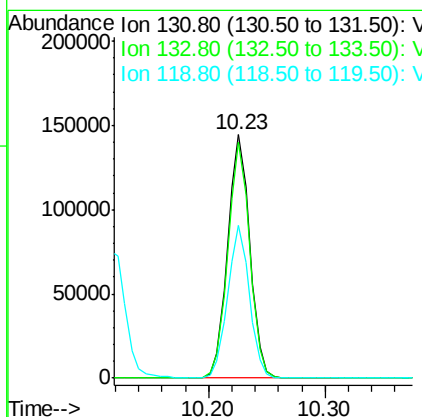
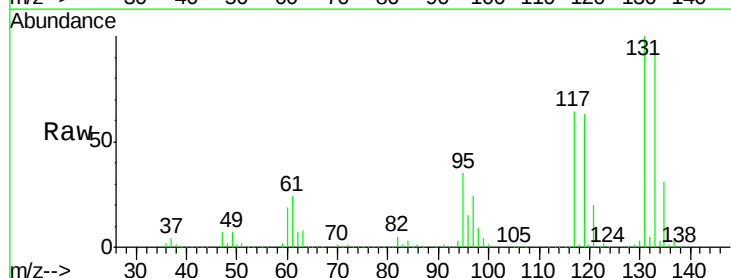
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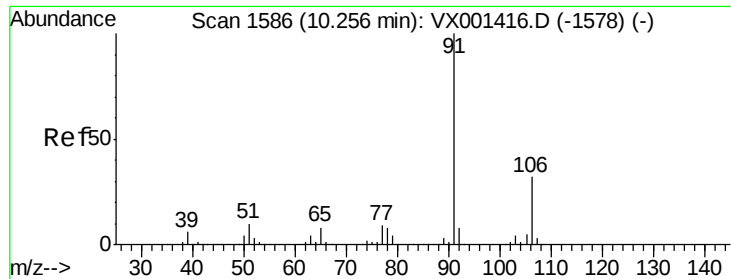
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.96 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion:131 Resp: 190408
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 61.9 31.1 93.3





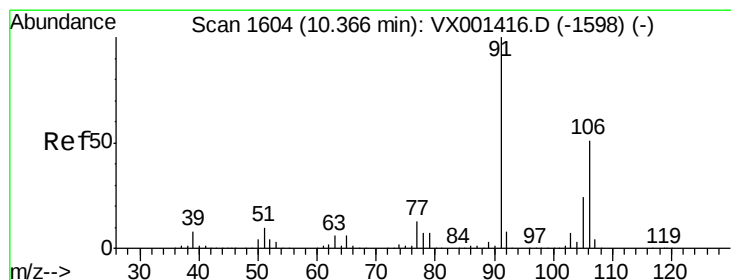
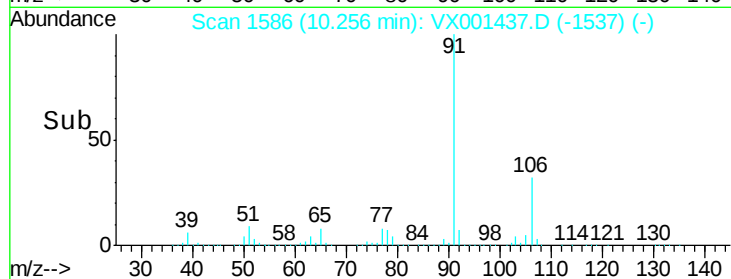
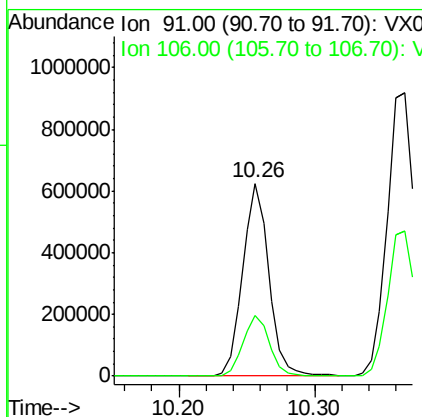
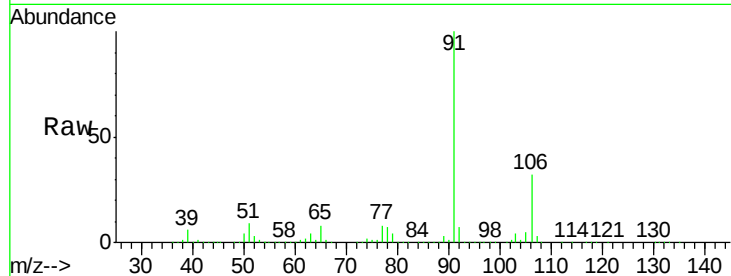
#67
Ethyl Benzene
Concen: 50.95 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 839496
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

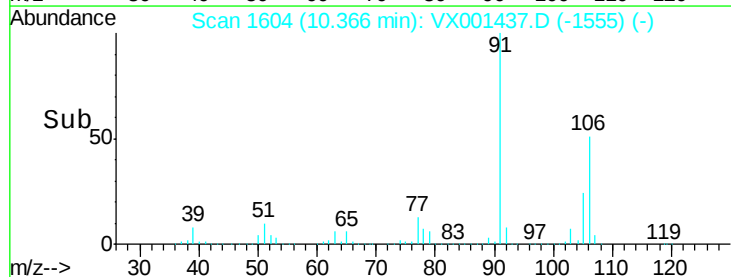
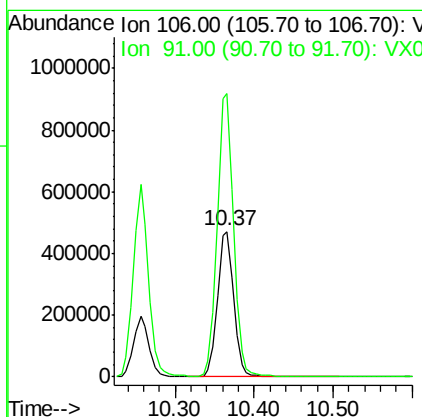
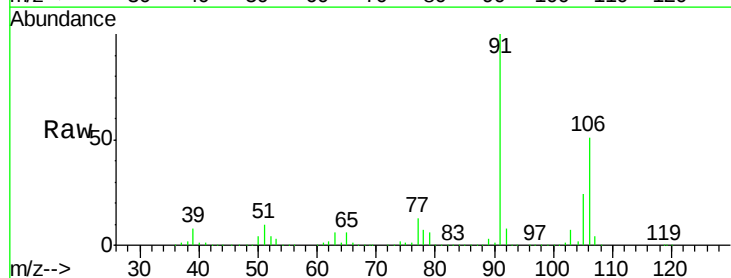
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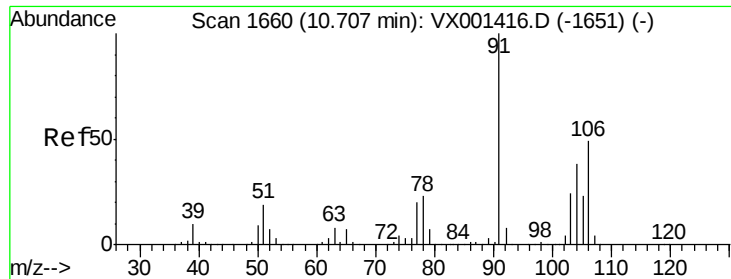
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#68
m/p-Xylenes
Concen: 104.50 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion: 106 Resp: 680281
Ion Ratio Lower Upper
106 100
91 196.2 157.5 236.3





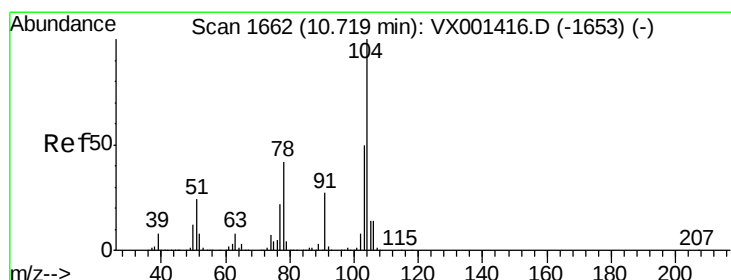
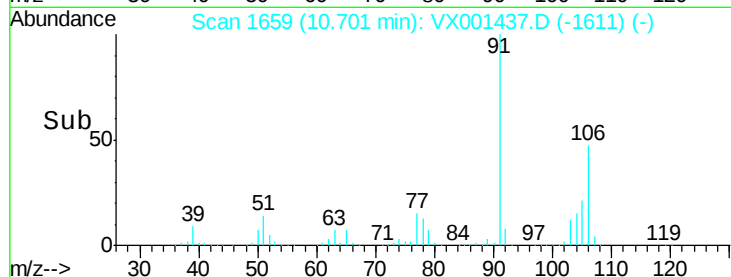
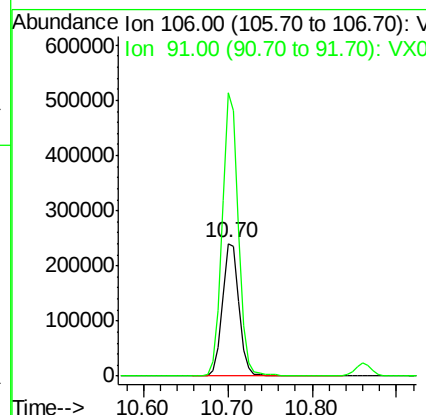
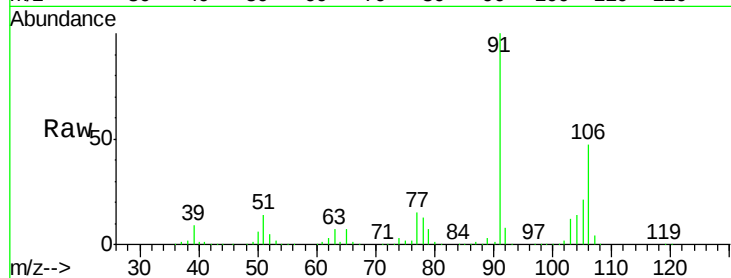
#69
o-Xylene
Concen: 52.06 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.0	103.1	309.1

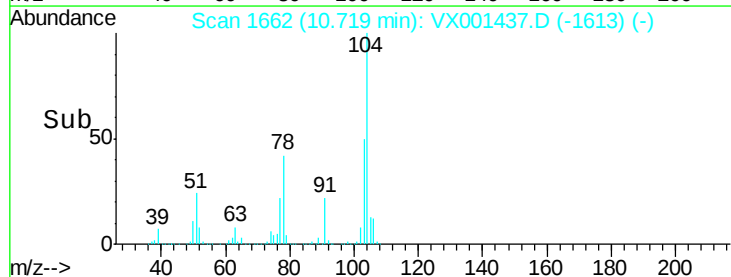
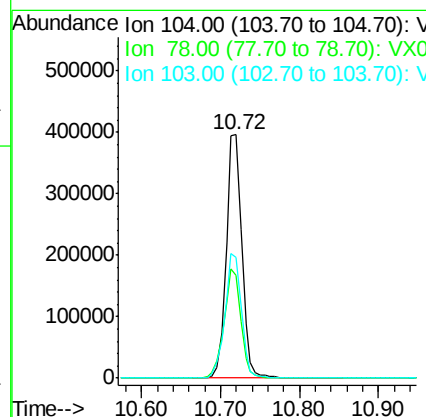
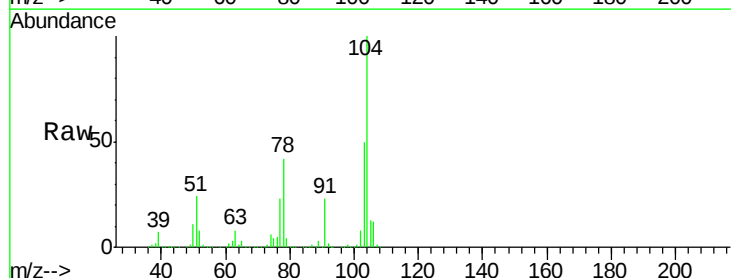
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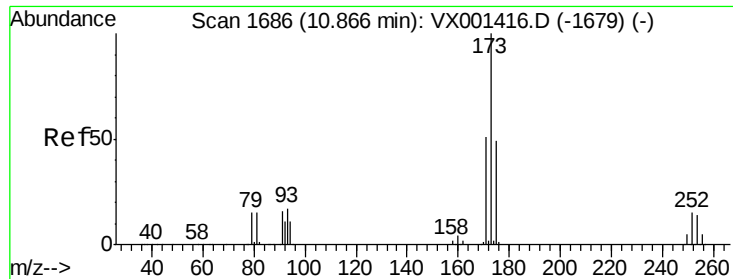
MMDadoda
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#70
Styrene
Concen: 53.29 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.6	58.0
103	54.6	44.0	66.0





#71

Bromoform

Concen: 46.95 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 161546

Ion Ratio Lower Upper

173 100

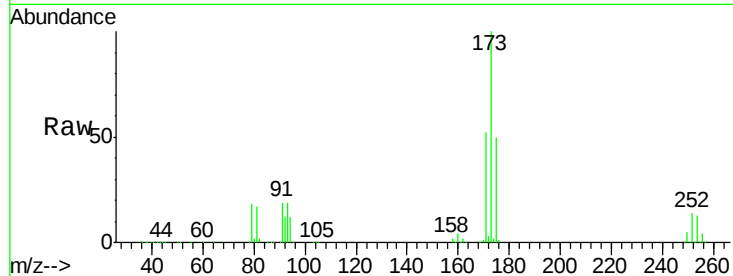
175 49.0 24.5 73.5

254 0.2 0.2 0.2#

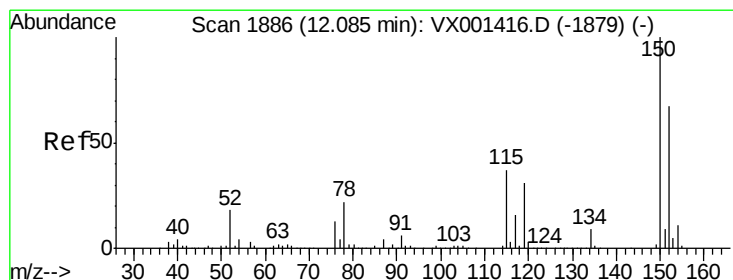
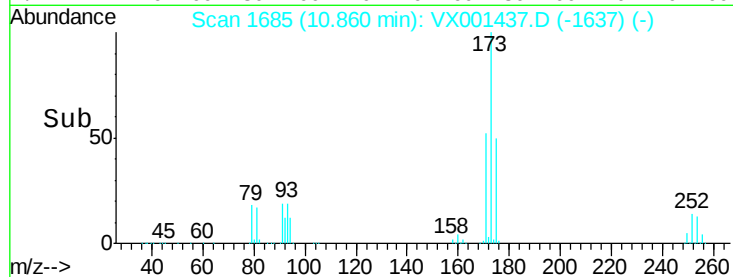
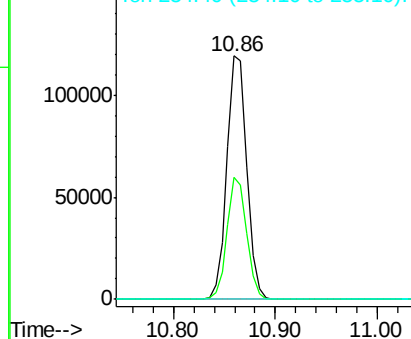
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

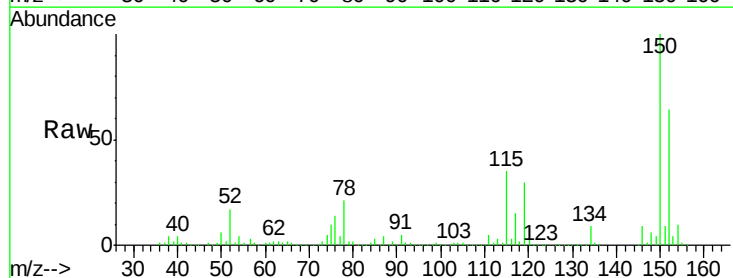
Tgt Ion:152 Resp: 255086

Ion Ratio Lower Upper

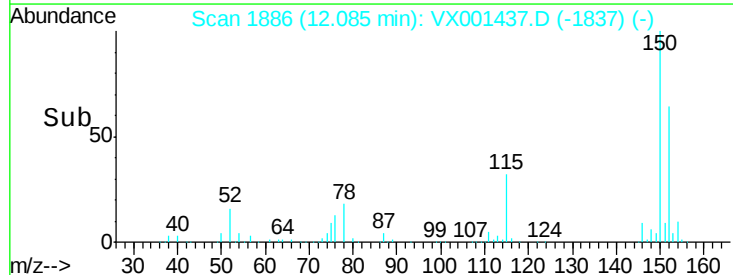
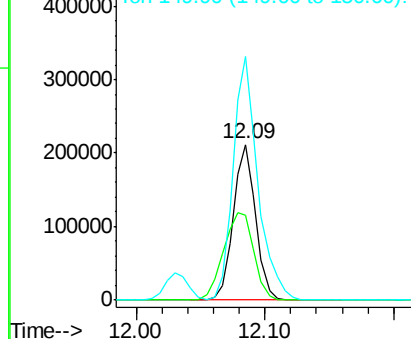
152 100

115 76.9 37.7 113.1

150 174.0 0.0 349.4



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: 49.86 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 880467

Ion Ratio Lower Upper

105 100

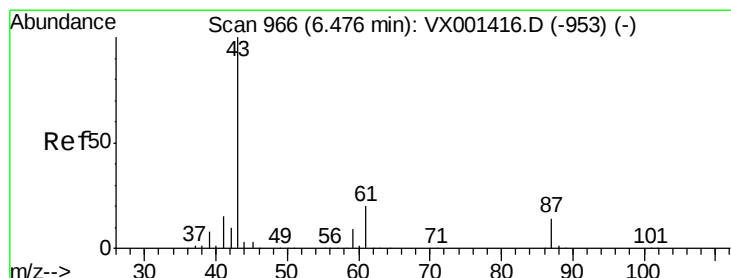
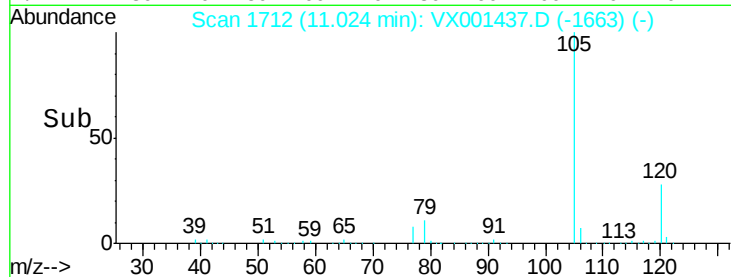
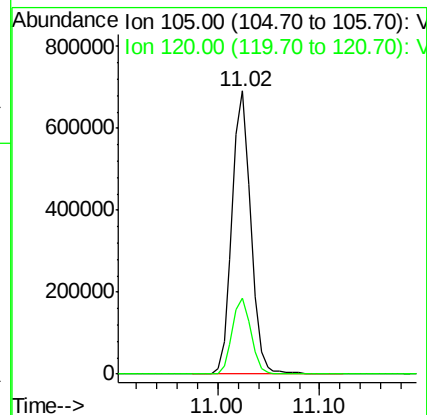
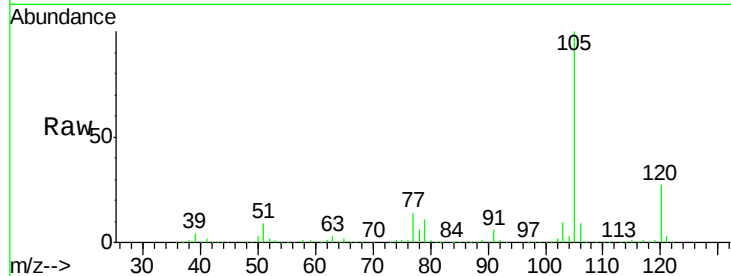
120 27.1 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.20 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Tgt Ion: 43 Resp: 394616

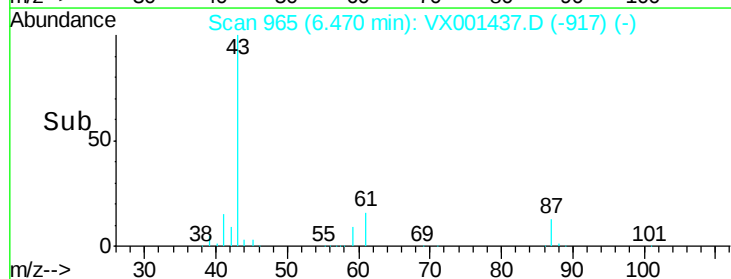
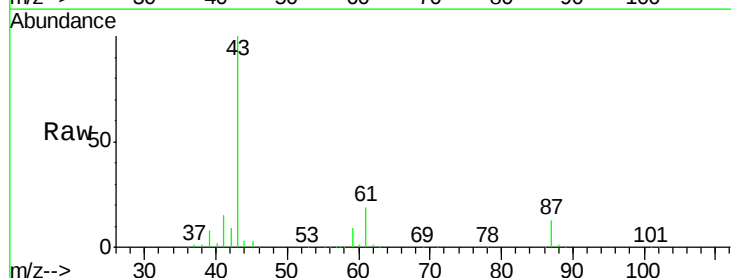
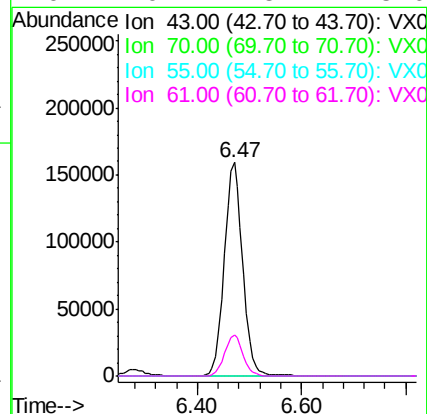
Ion Ratio Lower Upper

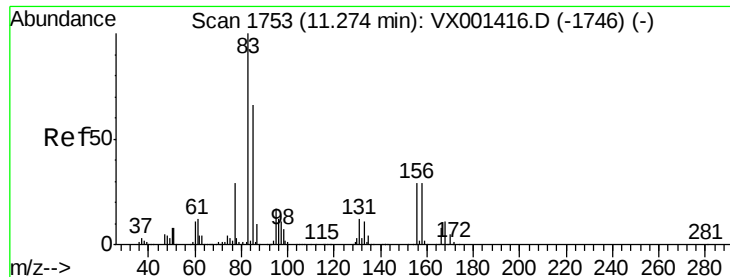
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 19.2 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.48 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 247632

Ion Ratio Lower Upper

83 100

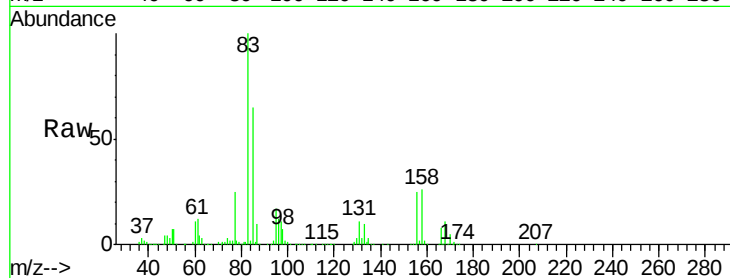
131 11.5 5.8 17.4

85 65.1 32.7 98.1

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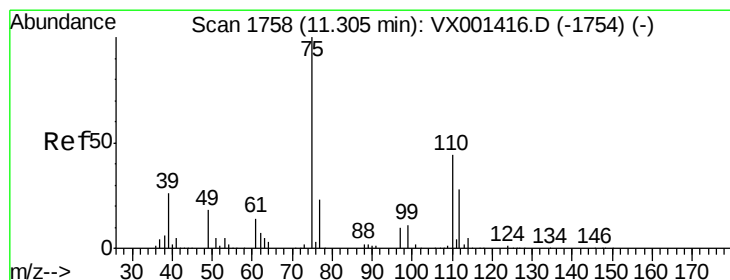
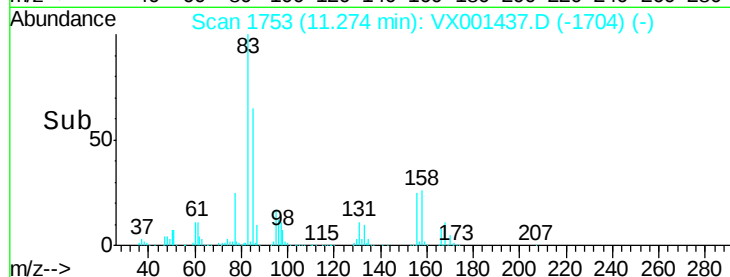
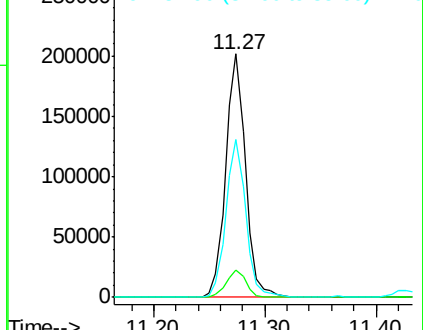
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.27 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001437.D

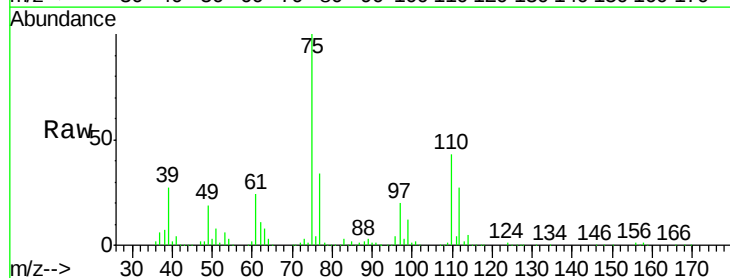
Acq: 06 May 2018 11:21

Tgt Ion: 75 Resp: 254905

Ion Ratio Lower Upper

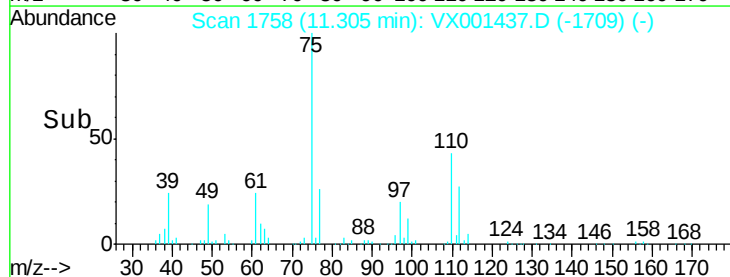
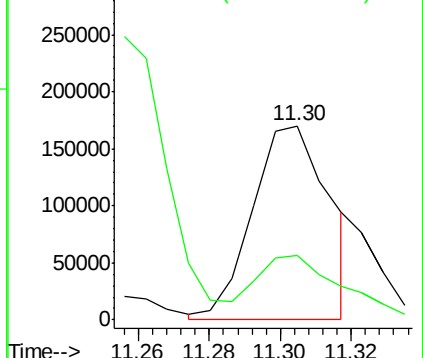
75 100

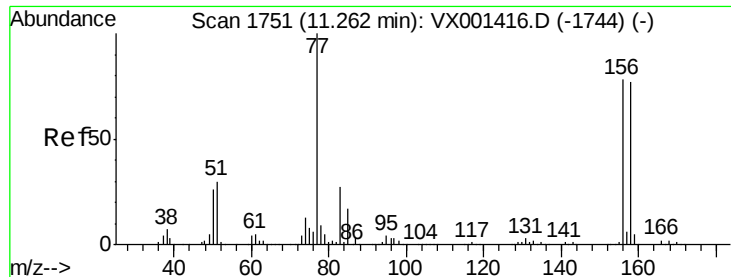
77 37.1 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.41 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 253670

Ion Ratio Lower Upper

156 100

77 131.4 66.0 198.2

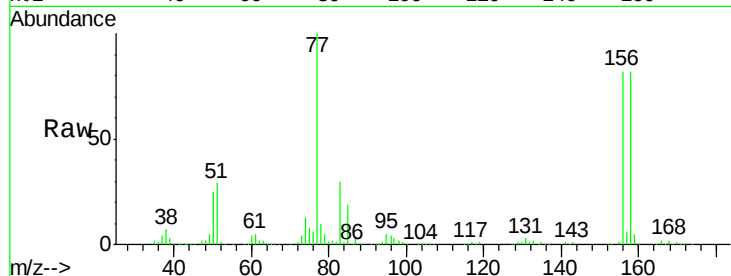
158 98.1 49.4 148.2

Manual Integrations

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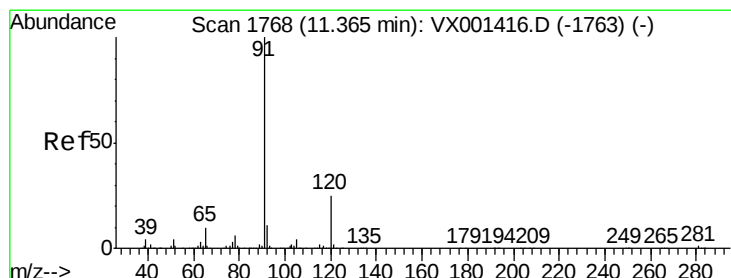
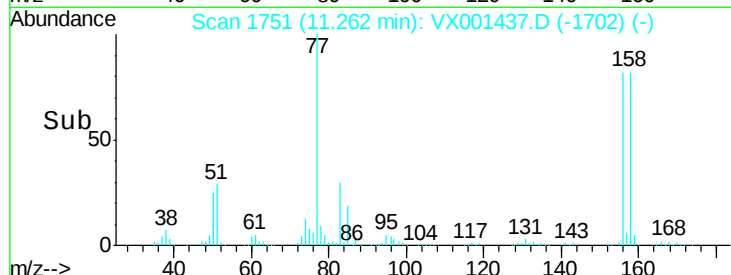
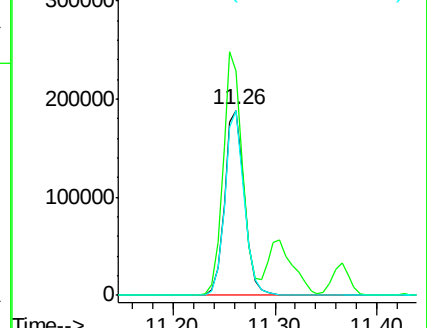
5/18/2018 2:17:27 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.73 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001437.D

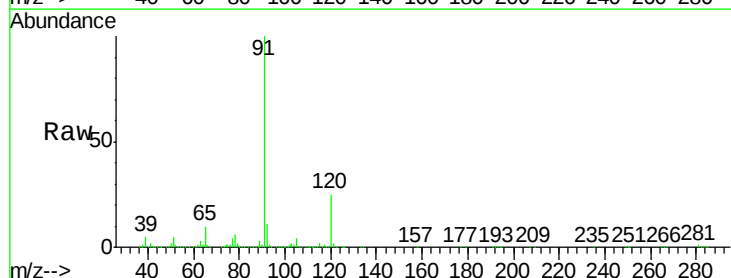
Acq: 06 May 2018 11:21

Tgt Ion: 91 Resp: 994787

Ion Ratio Lower Upper

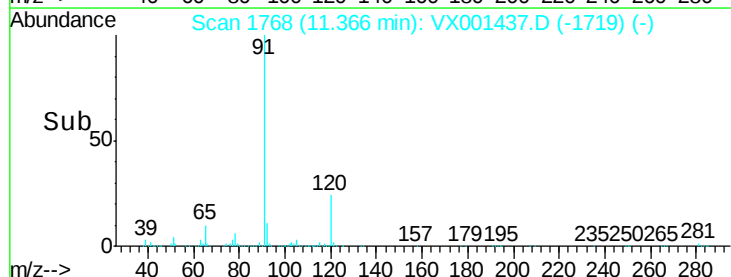
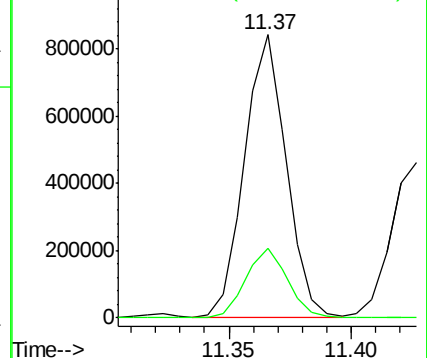
91 100

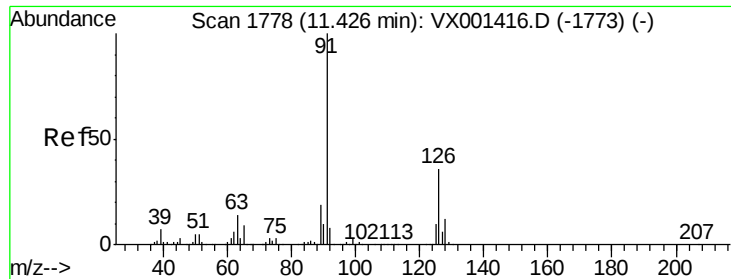
120 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.66 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 587691

Ion Ratio Lower Upper

91 100

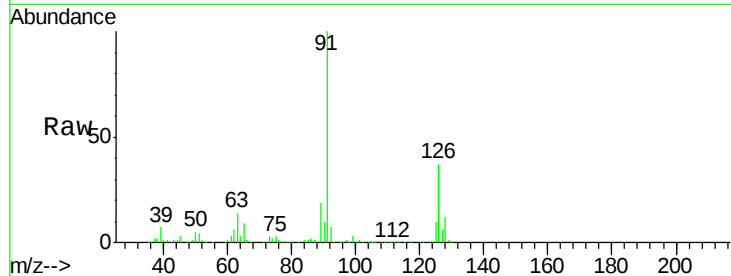
126 37.2 18.1 54.4

Manual Integrations

APPROVED

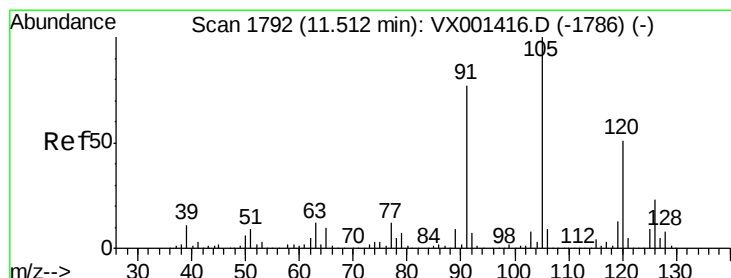
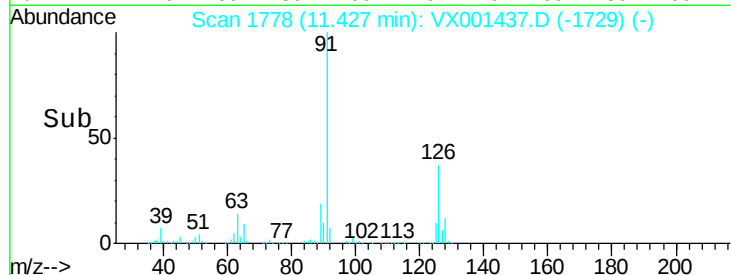
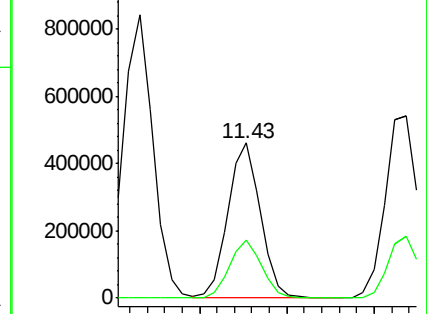
MMDadoda

5/18/2018 2:17:27 PM



Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001416.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001437.D

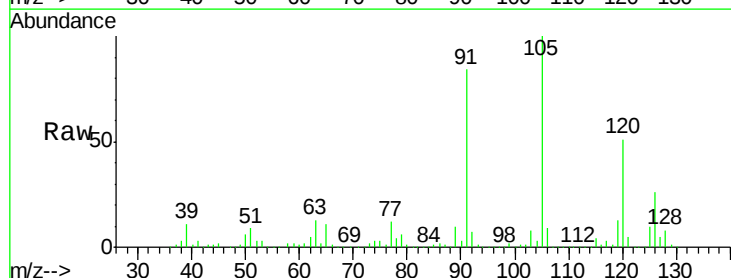
Acq: 06 May 2018 11:21

Tgt Ion: 105 Resp: 758032

Ion Ratio Lower Upper

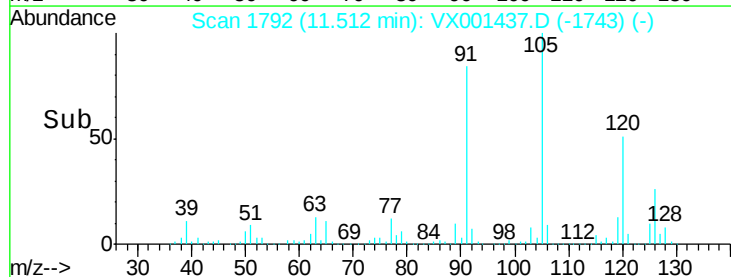
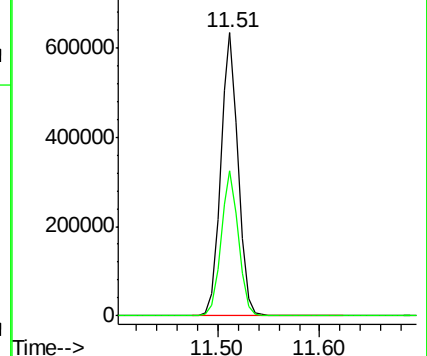
105 100

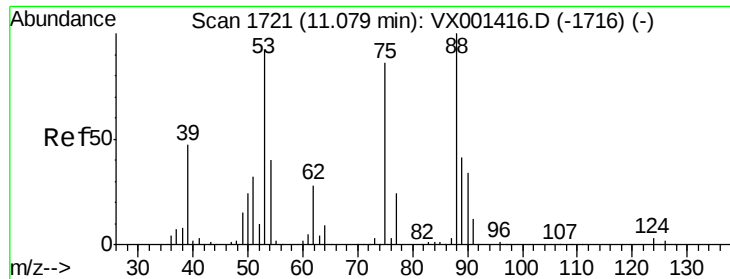
120 51.3 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)





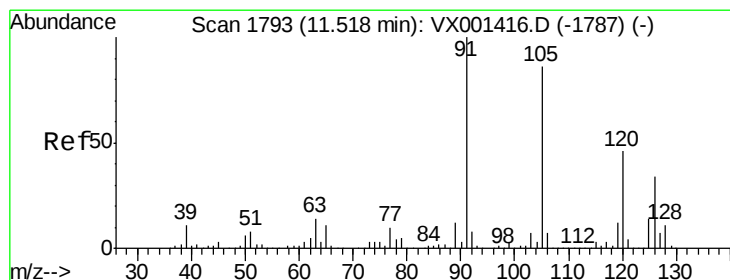
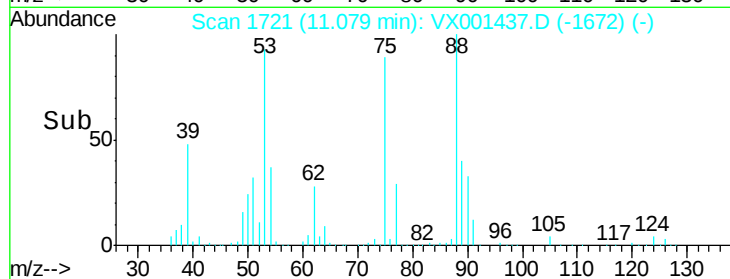
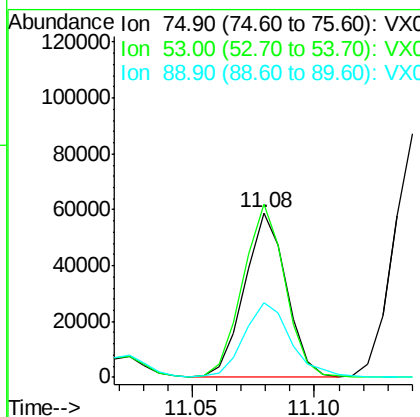
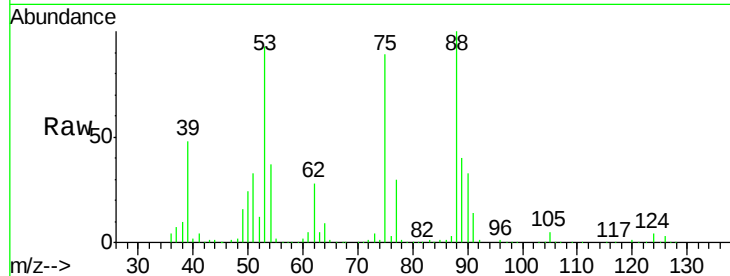
#81
trans-1,4-Dichloro-2-butene
Concen: 43.57 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.2	84.5	126.7
89	51.3	39.5	59.3

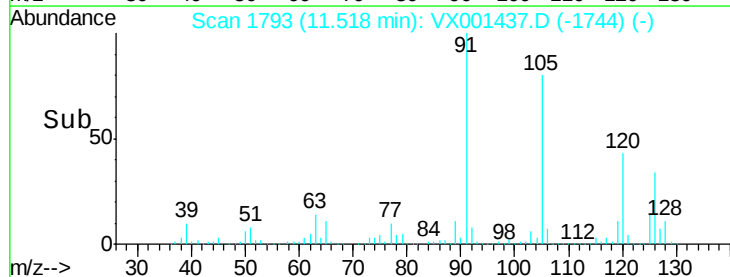
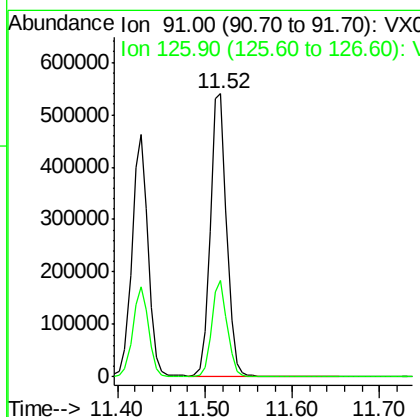
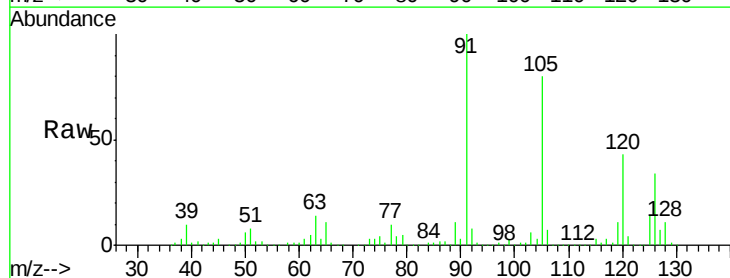
Manual Integrations
APPROVED

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5/18/2018 2:17:27 PM



#82
4-Chlorotoluene
Concen: 51.55 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5





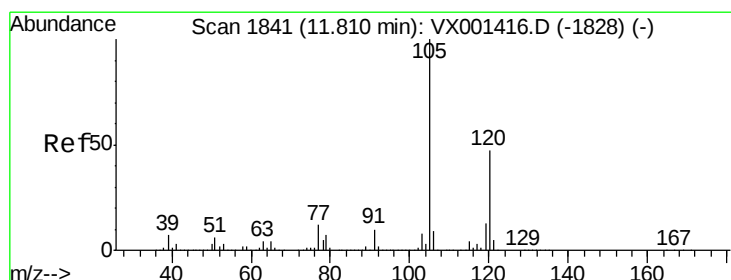
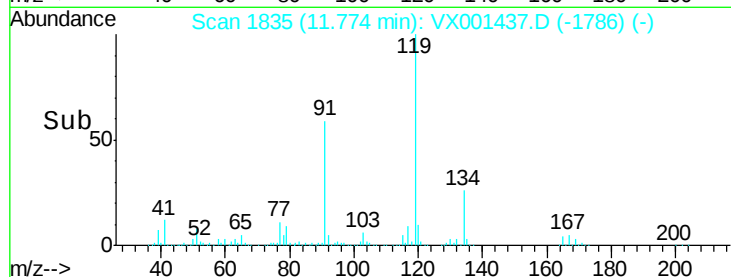
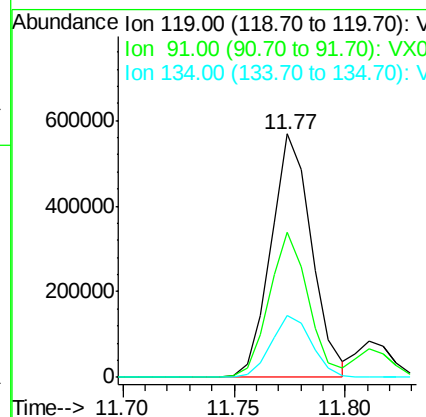
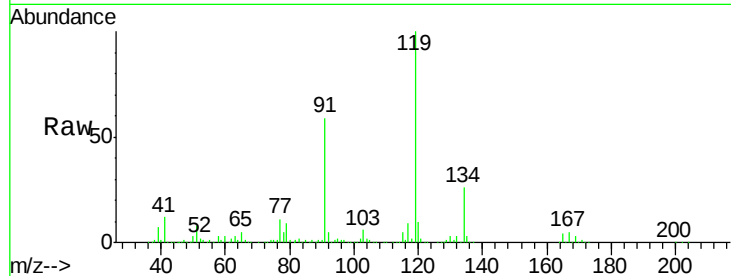
#83
tert-Butylbenzene
Concen: 49.29 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	27.8	83.3
134	25.4	12.4	37.0

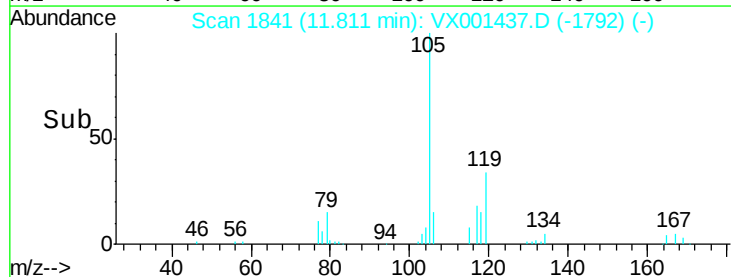
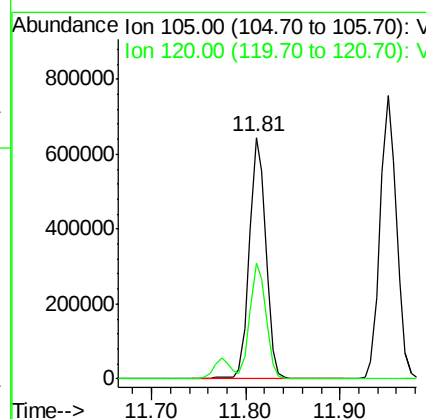
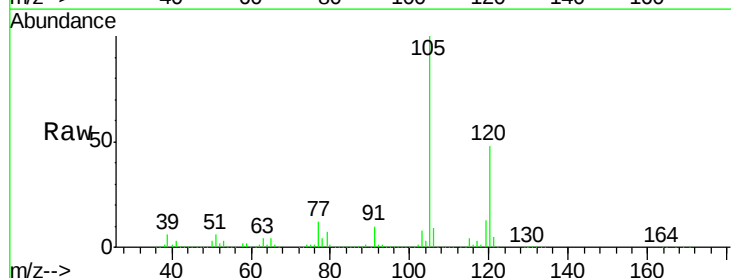
Manual Integrations
APPROVED

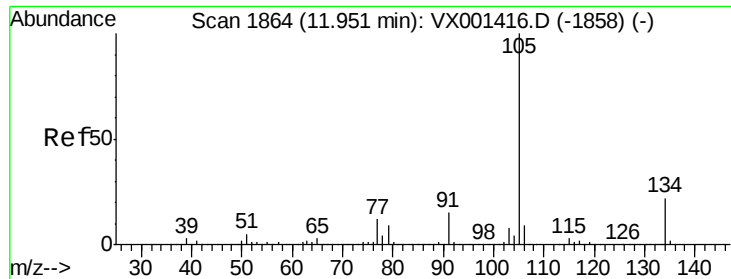
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.76 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.2





#85

sec-Butylbenzene

Concen: 52.34 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 918972

Ion Ratio Lower Upper

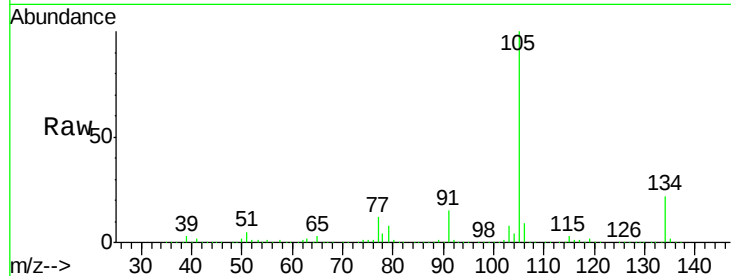
105 100

134 21.8 10.9 32.9

Manual Integrations
APPROVED

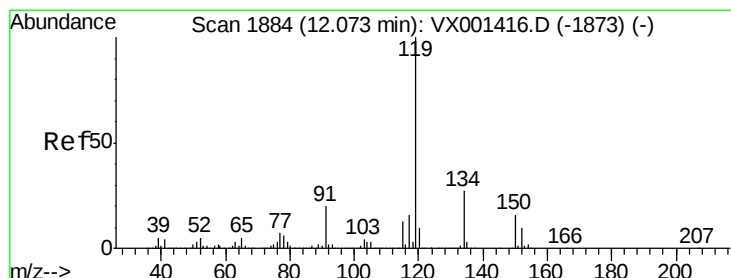
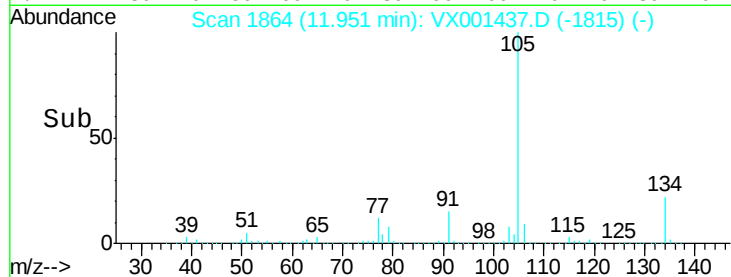
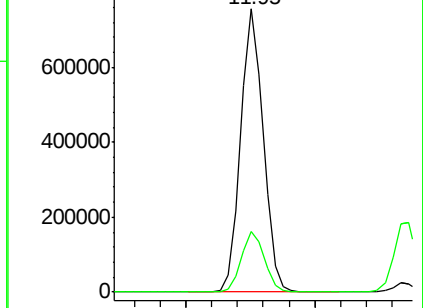
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.20 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001437.D

Acq: 06 May 2018 11:21

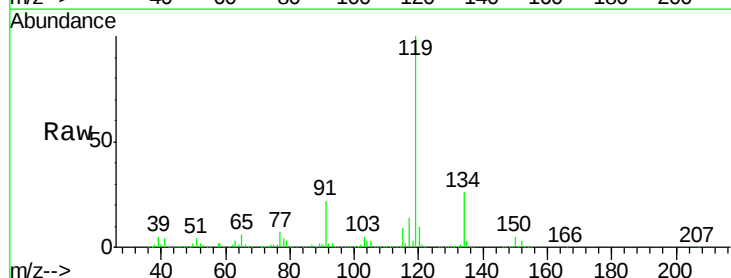
Tgt Ion:119 Resp: 856880

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

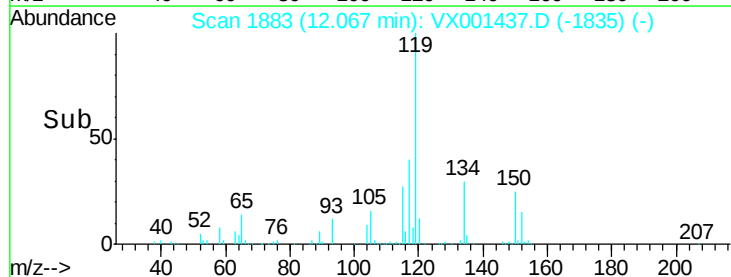
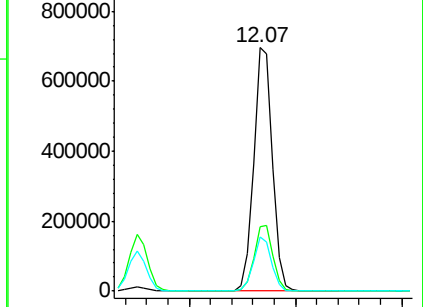
91 21.5 10.8 32.3

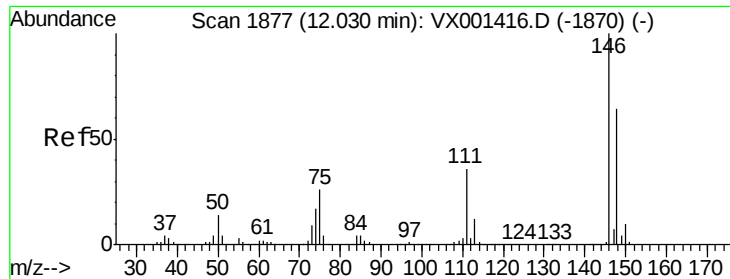


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





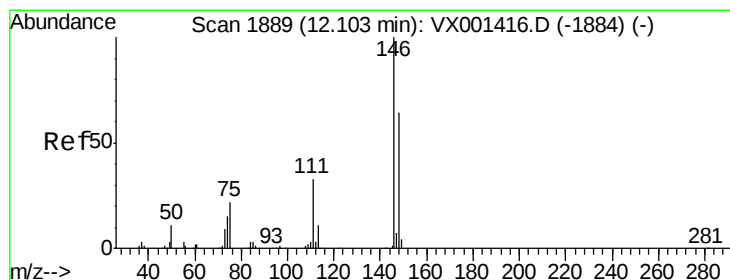
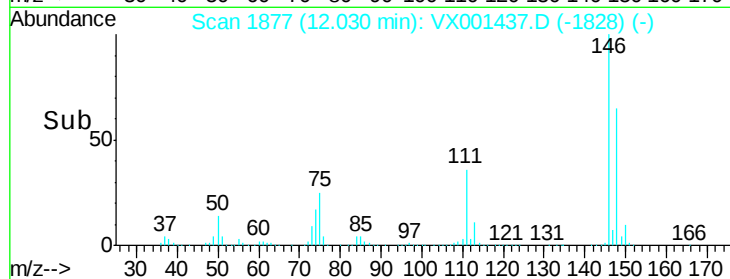
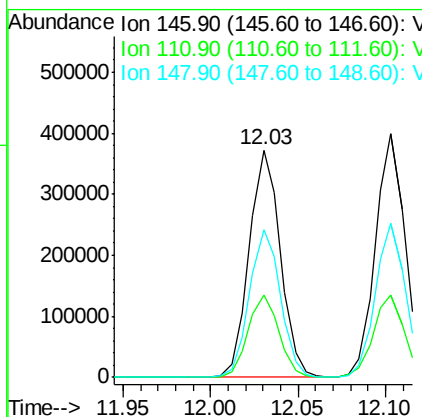
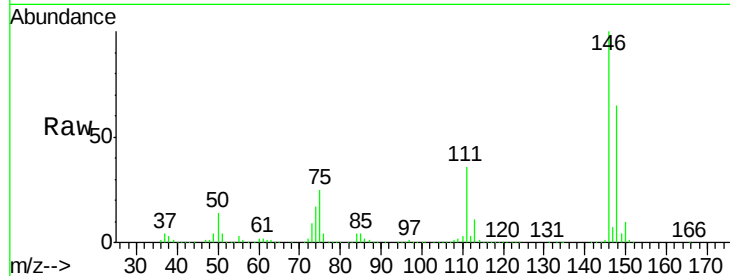
#87
 1,3-Dichlorobenzene
 Concen: 50.33 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	64.9	32.1	96.5

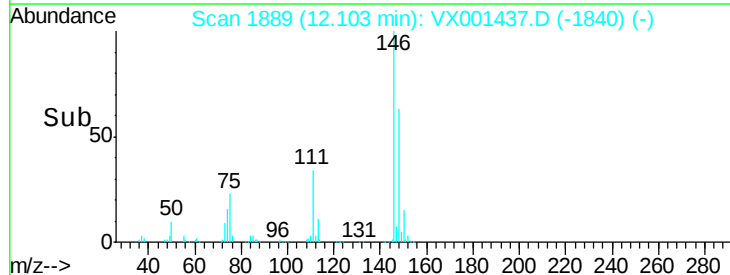
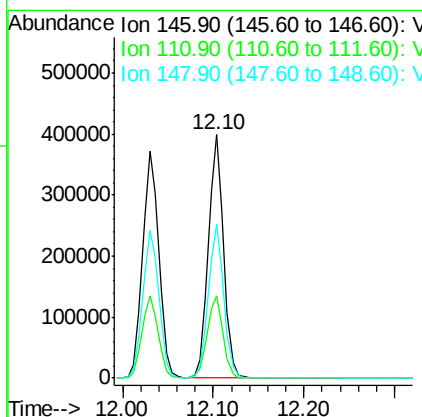
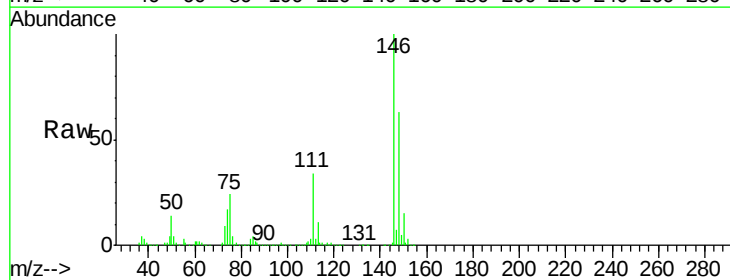
Manual Integrations
 APPROVED

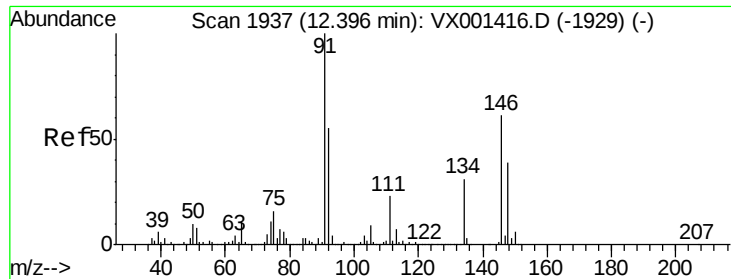
MMDadoda
 5/18/2018 2:17:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.33 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.4	52.3
148	64.1	32.2	96.6





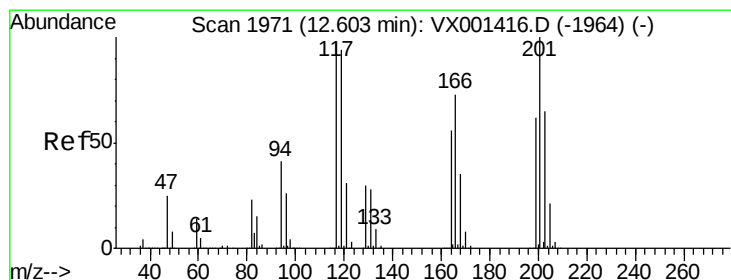
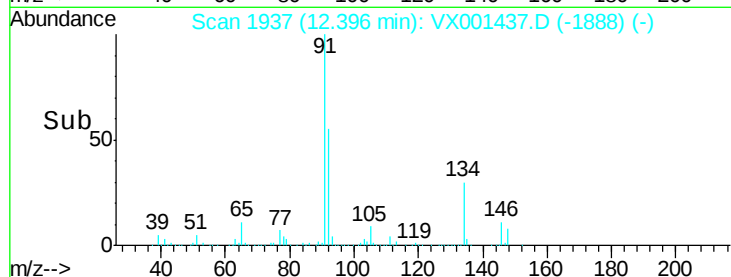
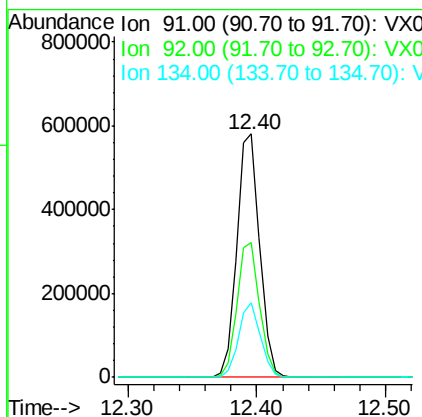
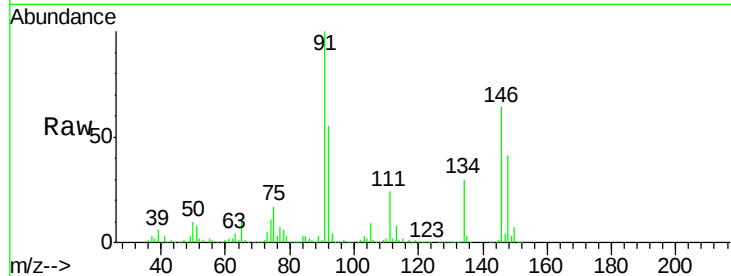
#89
n-Butylbenzene
Concen: 53.46 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.9	27.2	81.5	
134	29.3	14.6	44.0	

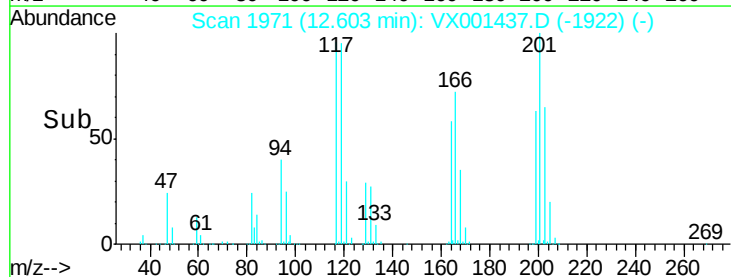
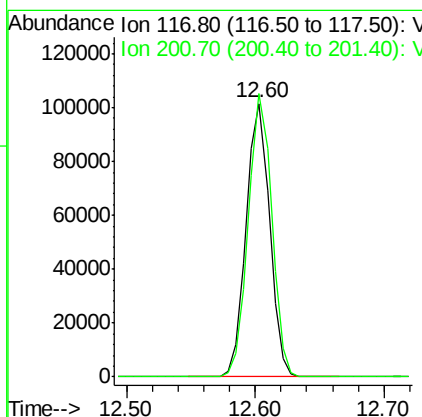
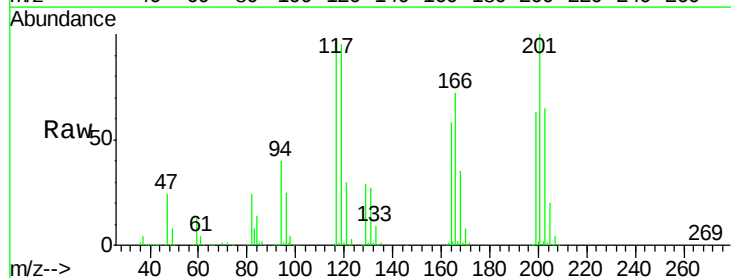
Manual Integrations
APPROVED

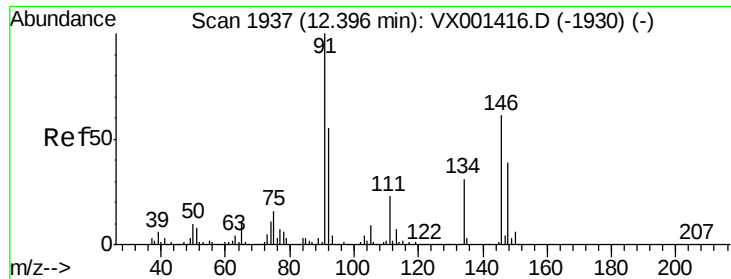
MMDadoda
5/18/2018 2:17:27 PM



#90
Hexachloroethane
Concen: 52.51 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	103.3	51.5	154.5	





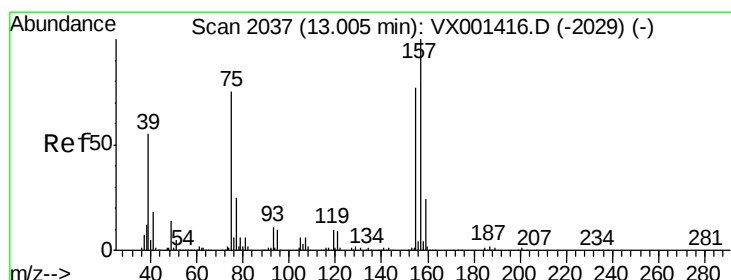
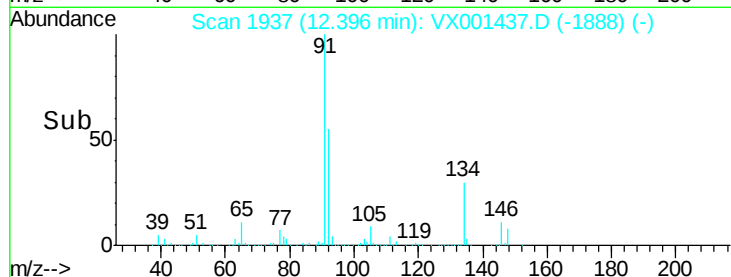
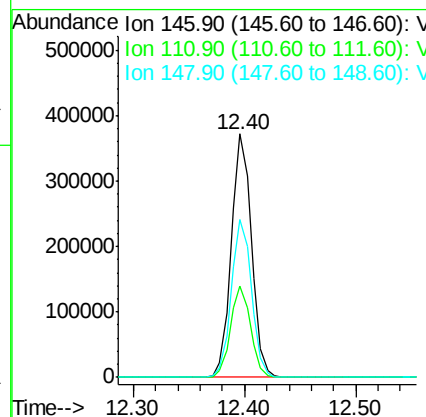
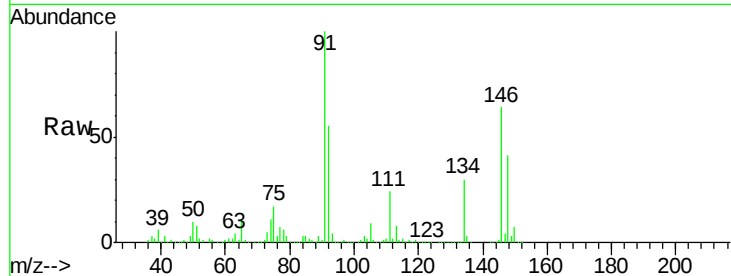
#91
 1,2-Dichlorobenzene
 Concen: 49.89 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.7	32.1	96.5

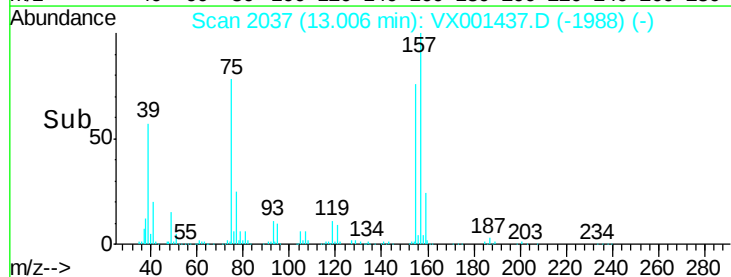
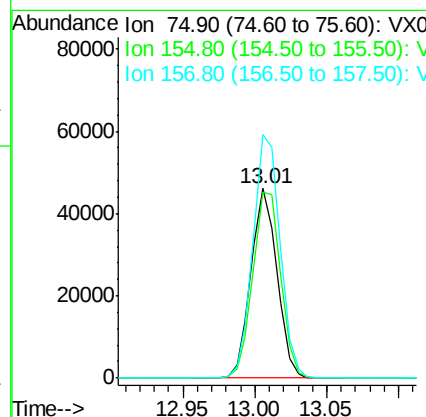
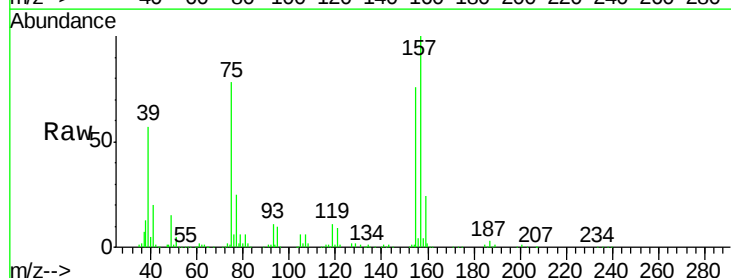
Manual Integrations
 APPROVED

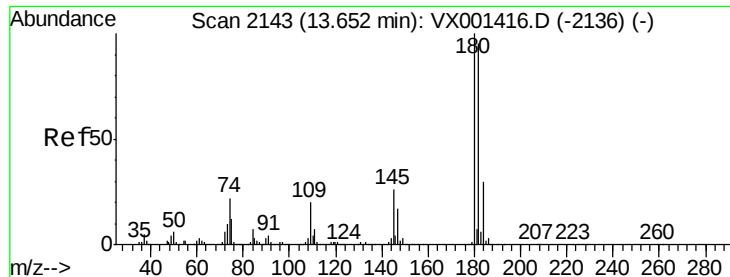
MMDadoda
 5/18/2018 2:17:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.17 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	53.4	160.2
157	133.0	68.3	204.8





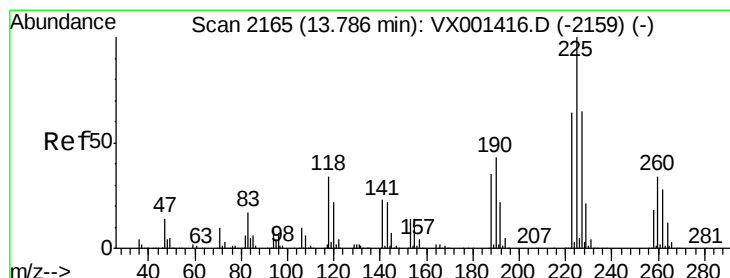
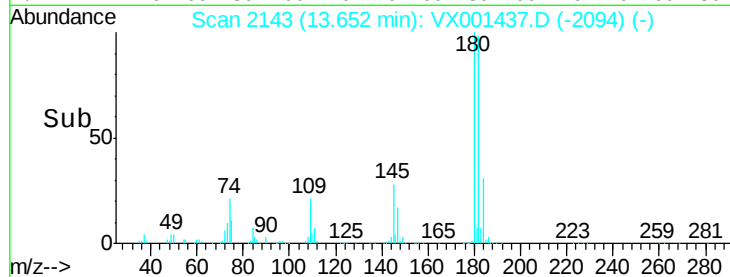
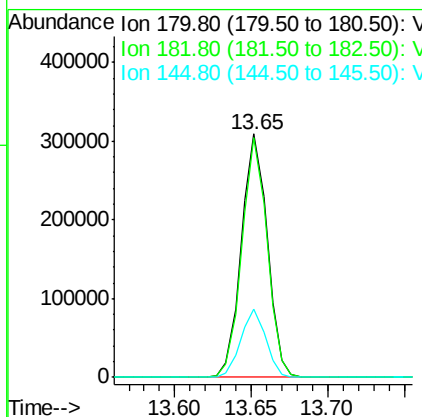
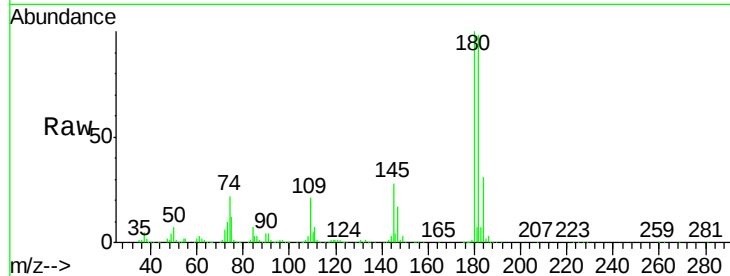
#93
 1,2,4-Trichlorobenzene
 Concen: 53.13 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	363014		
182	96.0	47.8	143.4	
145	27.2	13.3	39.9	

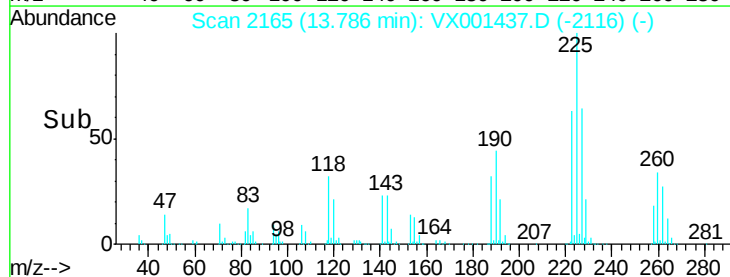
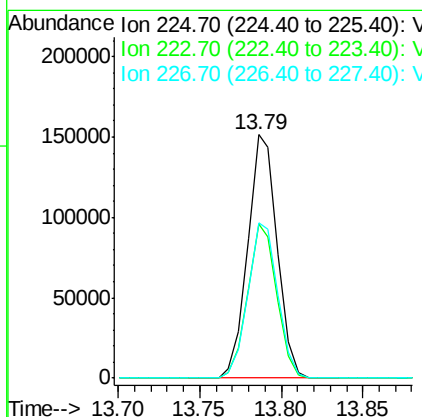
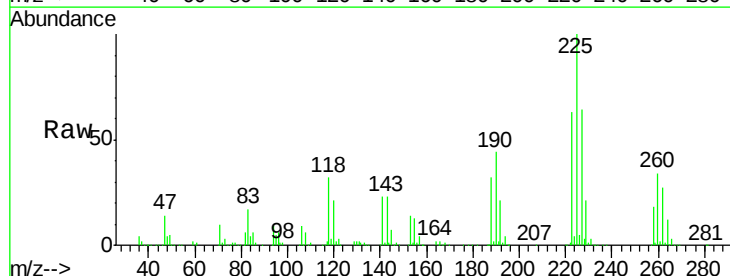
Manual Integrations
 APPROVED

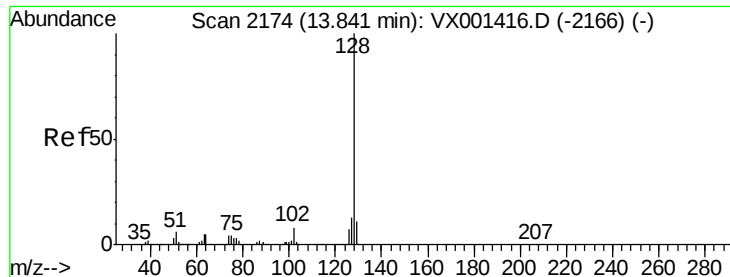
MMDadoda
 5/18/2018 2:17:27 PM



#94
 Hexachlorobutadiene
 Concen: 50.98 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001437.D
 Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	190596		
223	62.6	31.3	93.9	
227	64.5	32.4	97.2	





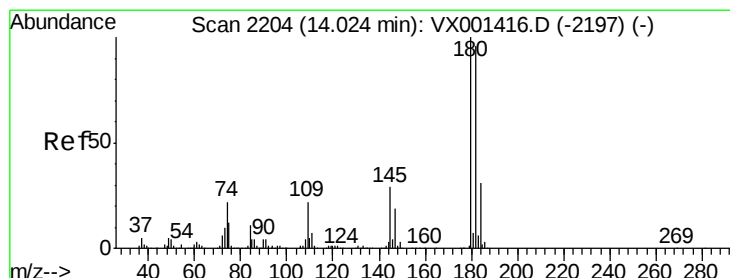
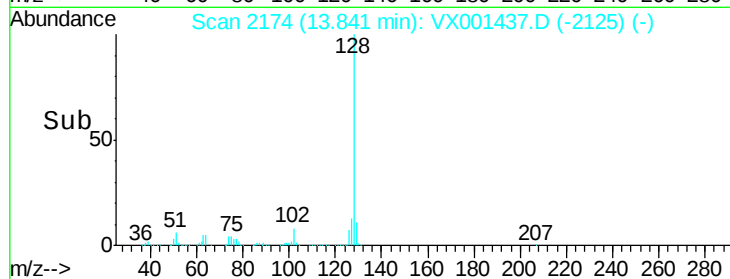
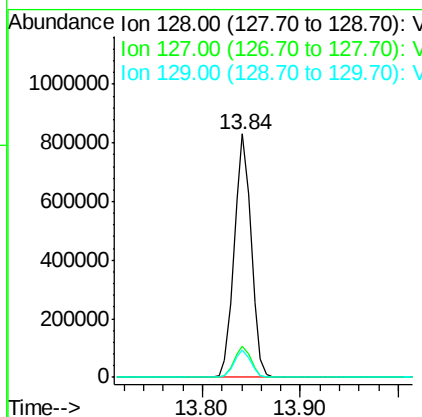
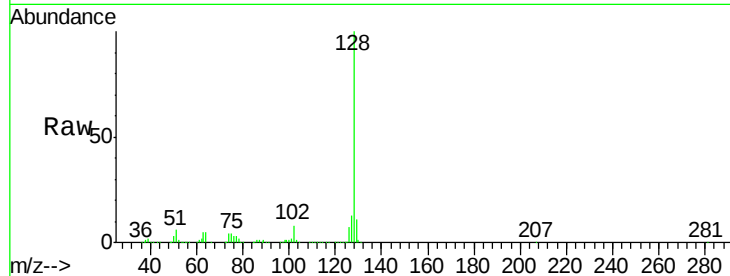
#95
Naphthalene
Concen: 52.57 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	993408		
127	12.8		10.4	15.6
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/18/2018 2:17:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.37 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001437.D
Acq: 06 May 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	367127		
182	96.7		48.0	144.2
145	28.5		14.1	42.4

