

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071718\
 Data File : VX003416.D
 Acq On : 17 Jul 2018 09:47
 Operator : JC/MD
 Sample : VX0717WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 12:58:22 PM

Quant Time: Jul 17 11:03:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	375975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	442421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	214153	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
35) Dibromofluoromethane	5.51	113	207893	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	8.72	98	797643	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
62) 4-Bromofluorobenzene	11.14	95	276960	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88007	20.74	ug/l	99
3) Chloromethane	1.32	50	84323	18.36	ug/l	99
4) Vinyl Chloride	1.40	62	94166	18.81	ug/l	92
5) Bromomethane	1.64	94	39912	20.16	ug/l	97
6) Chloroethane	1.72	64	56840	19.08	ug/l	97
7) Trichlorofluoromethane	1.93	101	126323	19.03	ug/l	91
8) Diethyl Ether	2.19	74	51651	18.18	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83969	20.02	ug/l	99
10) Methyl Iodide	2.51	142	71261	15.88	ug/l	93
11) Tert butyl alcohol	3.07	59	92808	83.82	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77046	19.44	ug/l	88
13) Acrolein	2.29	56	37917	71.38	ug/l	95
14) Allyl chloride	2.73	41	137284	19.10	ug/l	86
15) Acrylonitrile	3.15	53	226040	89.10	ug/l	98
16) Acetone	2.45	43	172331	84.15	ug/l	93
17) Carbon Disulfide	2.57	76	195868	18.01	ug/l	100
18) Methyl Acetate	2.78	43	135183	20.27	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	258990	19.68	ug/l	95
20) Methylene Chloride	2.85	84	87853	23.29	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	82348	19.24	ug/l	83
22) Diisopropyl ether	3.87	45	248438	17.82	ug/l #	96
23) Vinyl Acetate	3.82	43	1007956	87.64	ug/l	96
24) 1,1-Dichloroethane	3.70	63	143656	18.16	ug/l	97
25) 2-Butanone	4.71	43	284829	88.87	ug/l	95
26) 2,2-Dichloropropane	4.59	77	116568	20.99	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	91126	19.79	ug/l	93
28) Bromochloromethane	5.02	49	65078	18.95	ug/l	86
29) Tetrahydrofuran	5.17	42	184020	90.53	ug/l	90
30) Chloroform	5.21	83	148675	20.39	ug/l	99
31) Cyclohexane	5.57	56	120272	19.69	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	127930	20.63	ug/l	98
36) 1,1-Dichloropropene	5.79	75	105231	21.98	ug/l	97
37) Ethyl Acetate	4.87	43	108026	20.03	ug/l #	94
38) Carbon Tetrachloride	5.78	117	108680	22.31	ug/l	96

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Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 12:58:22 PM

Quant Time: Jul 17 11:03:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111348	20.32	ug/l	95
40) Benzene	6.14	78	301882	20.73	ug/l	99
41) Methacrylonitrile	5.06	41	61798	20.83	ug/l	93
42) 1,2-Dichloroethane	6.20	62	97731	19.57	ug/l	94
43) Isopropyl Acetate	6.47	43	151216	18.57	ug/l #	92
44) Trichloroethene	7.21	130	87801	20.81	ug/l	96
45) 1,2-Dichloropropane	7.52	63	76129	20.09	ug/l	97
46) Dibromomethane	7.67	93	49431	19.60	ug/l	93
47) Bromodichloromethane	7.90	83	91472	19.80	ug/l	99
48) Methyl methacrylate	7.78	41	79387	19.11	ug/l	86
49) 1,4-Dioxane	7.76	88	35083	368.92	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	569777	106.32	ug/l	92
52) Toluene	8.79	92	216896	23.79	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	120024	22.00	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	112493	22.60	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	85743	22.51	ug/l	93
56) Ethyl methacrylate	9.18	69	117902	21.86	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	134172	21.92	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	299974	110.90	ug/l	96
59) 2-Hexanone	9.50	43	410739	99.76	ug/l	88
60) Dibromochloromethane	9.59	129	74913	19.79	ug/l	98
61) 1,2-Dibromoethane	9.68	107	78107	19.89	ug/l	98
64) Tetrachloroethene	9.34	164	121474	26.24	ug/l	90
65) Chlorobenzene	10.14	112	214900	20.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	76532	20.60	ug/l	99
67) Ethyl Benzene	10.26	91	350732	20.53	ug/l	100
68) m/p-Xylenes	10.36	106	276710	41.88	ug/l	96
69) o-Xylene	10.70	106	131083	20.65	ug/l	96
70) Styrene	10.71	104	217984	20.87	ug/l	97
71) Bromoform	10.86	173	57059	19.09	ug/l #	100
73) Isopropylbenzene	11.02	105	358893	18.38	ug/l	100
74) N-amyl acetate	6.47	43	151216	16.10	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	120916	18.76	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	109434m	19.82	ug/l	
77) Bromobenzene	11.26	156	113714	20.51	ug/l	96
78) n-propylbenzene	11.37	91	464222	21.28	ug/l	99
79) 2-Chlorotoluene	11.42	91	276592	20.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	352866	22.12	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	31270	18.40	ug/l	93
82) 4-Chlorotoluene	11.51	91	339373	21.75	ug/l	99
83) tert-Butylbenzene	11.77	119	326199	20.93	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	345677	21.10	ug/l	96
85) sec-Butylbenzene	11.95	105	398804	21.09	ug/l	99
86) p-Isopropyltoluene	12.07	119	364483	21.65	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	215036	21.19	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	206935	20.08	ug/l	97
89) n-Butylbenzene	12.39	91	305991	21.34	ug/l	99
90) Hexachloroethane	12.60	117	50587	19.83	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	210004	20.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25292	18.86	ug/l	90

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Instrument :
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ClientSampleId :
VX0717WBS01

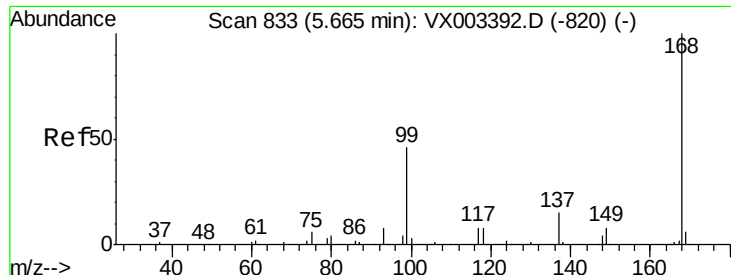
Manual Integrations
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7/18/2018 12:58:22 PM

Quant Time: Jul 17 11:03:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	154133	22.10	ug/l	99
94) Hexachlorobutadiene	13.79	225	76824	22.88	ug/l	98
95) Naphthalene	13.84	128	426971	21.36	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	154214	21.49	ug/l	98

(#) = 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. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion:168 Resp: 375975

Ion Ratio Lower Upper

168 100

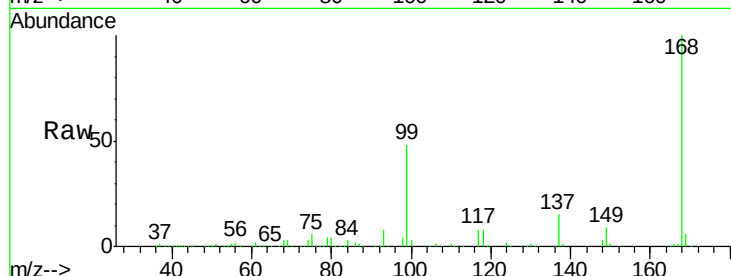
99 47.9 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

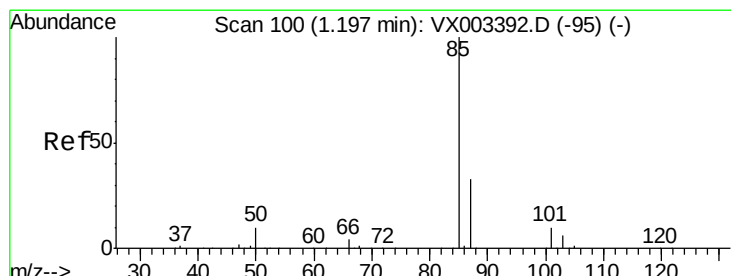
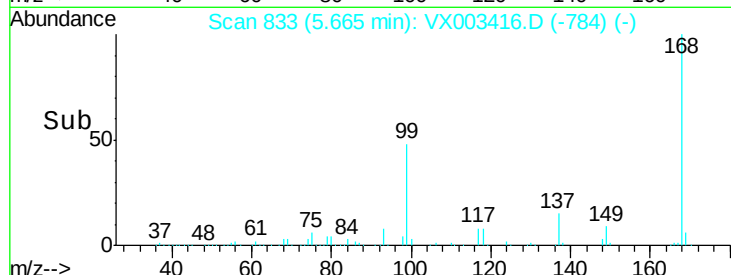
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.74 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003416.D

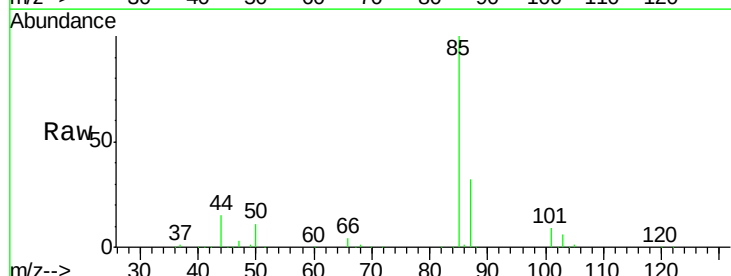
Acq: 17 Jul 2018 09:47

Tgt Ion: 85 Resp: 88007

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

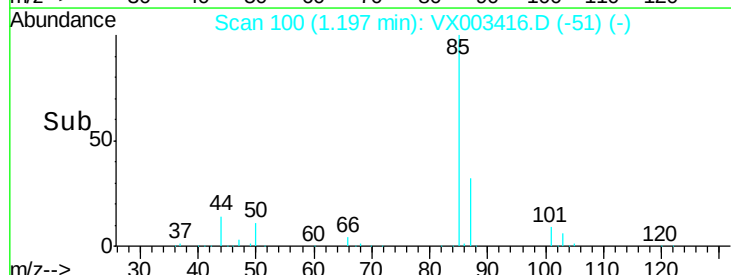
60000

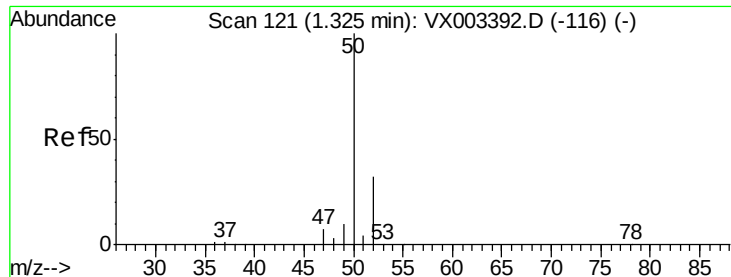
40000

20000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 50 Resp: 84323

Ion Ratio Lower Upper

50 100

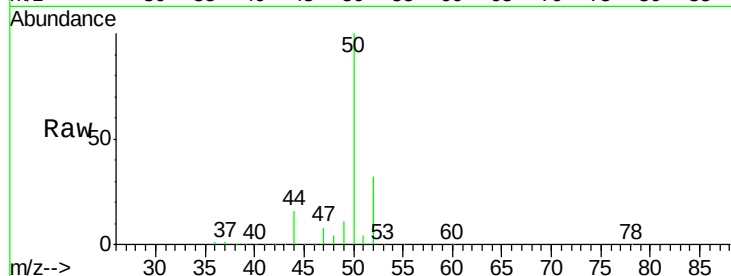
52 32.5 25.7 38.5

Manual Integrations

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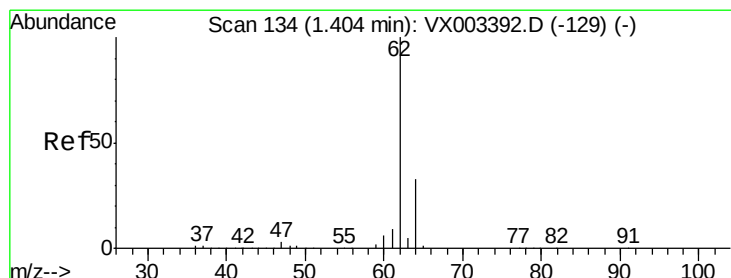
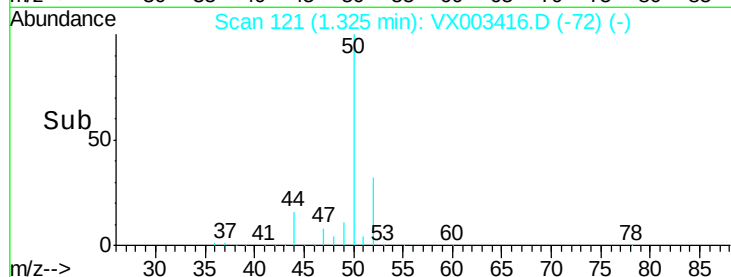
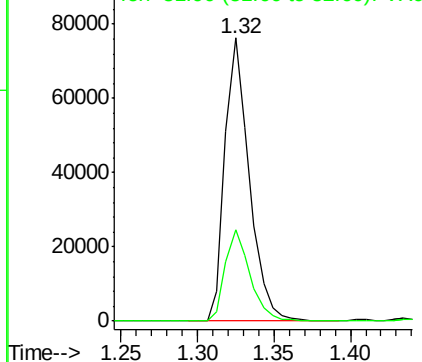
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.81 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003416.D

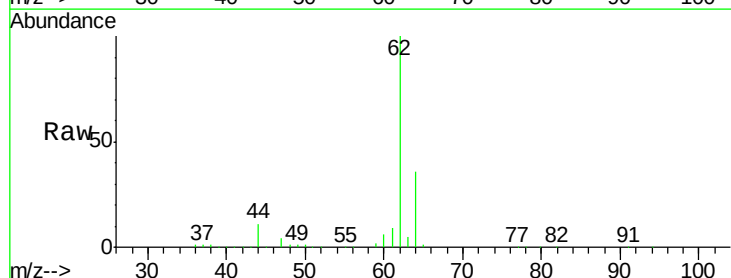
Acq: 17 Jul 2018 09:47

Tgt Ion: 62 Resp: 94166

Ion Ratio Lower Upper

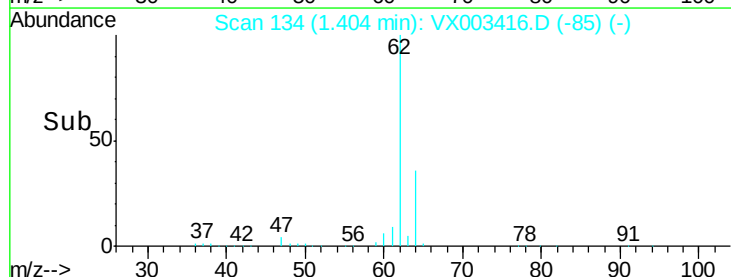
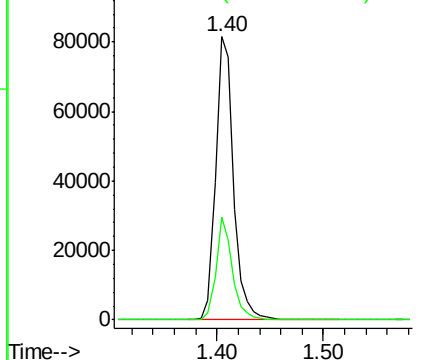
62 100

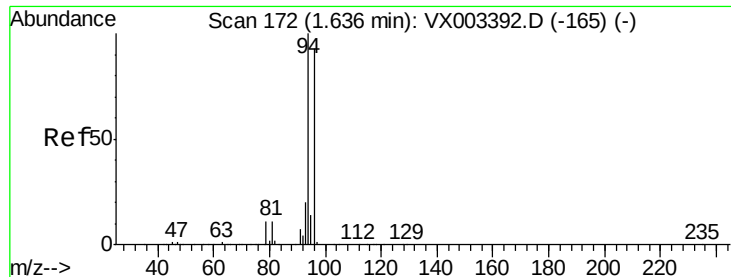
64 36.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.16 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 94 Resp: 39912

Ion Ratio Lower Upper

94 100

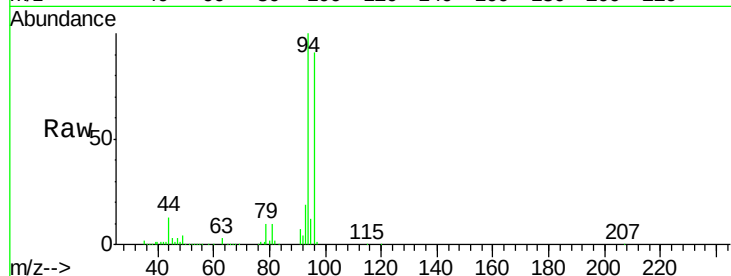
96 91.1 74.9 112.3

Manual Integrations

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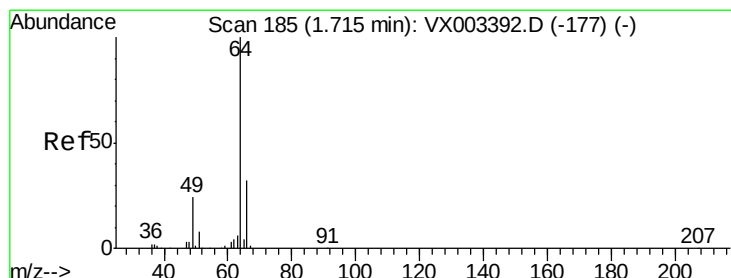
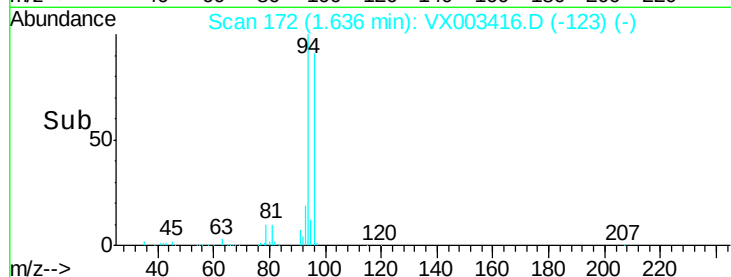
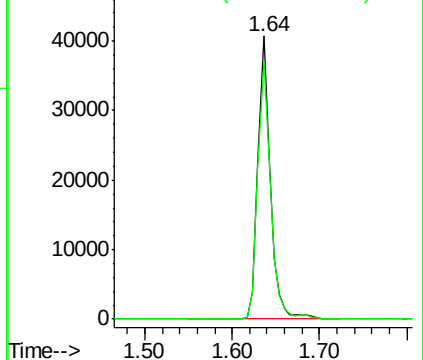
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.08 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003416.D

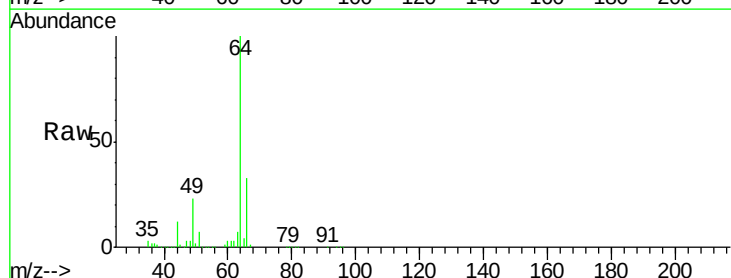
Acq: 17 Jul 2018 09:47

Tgt Ion: 64 Resp: 56840

Ion Ratio Lower Upper

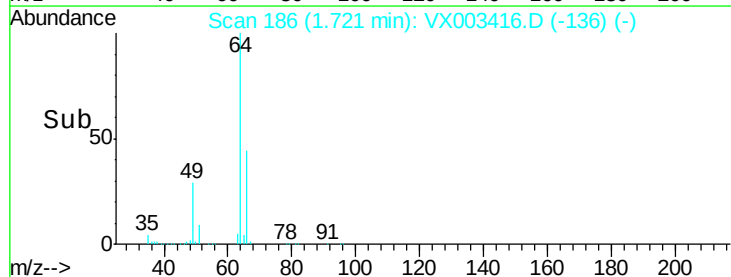
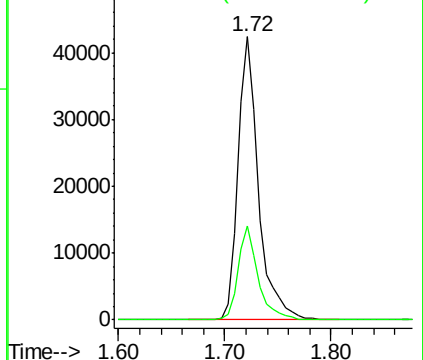
64 100

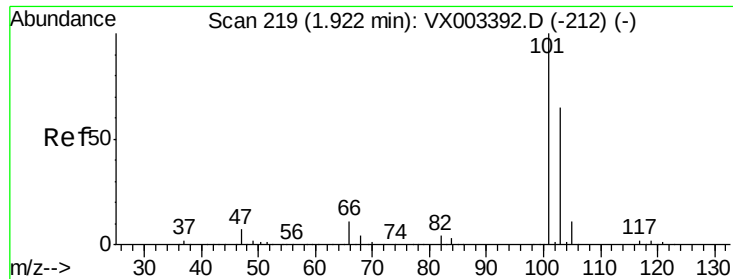
66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

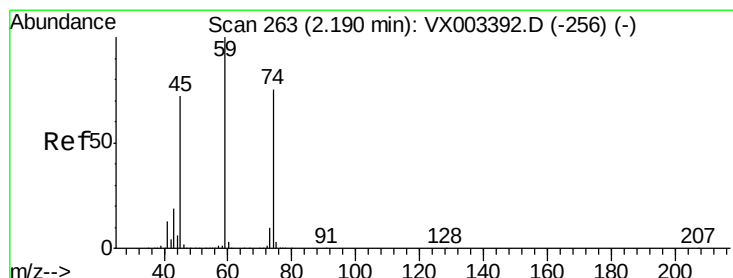
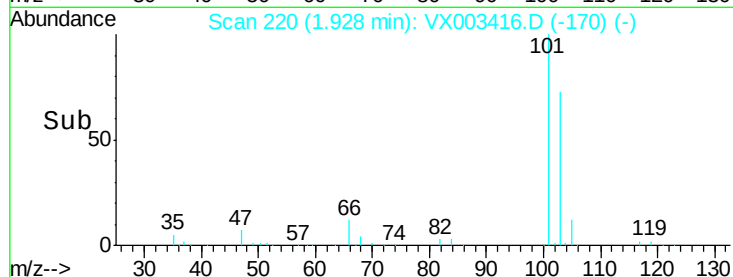
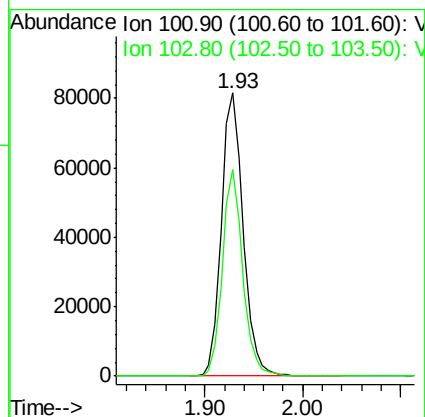
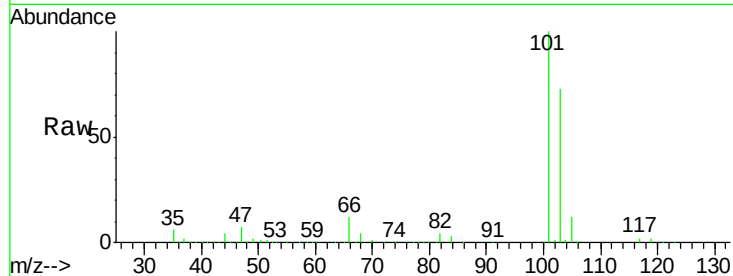
Trichlorofluoromethane
 Concen: 19.03 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion:101 Resp: 126323
 Ion Ratio Lower Upper
 101 100
 103 72.8 52.8 79.2

Manual Integrations
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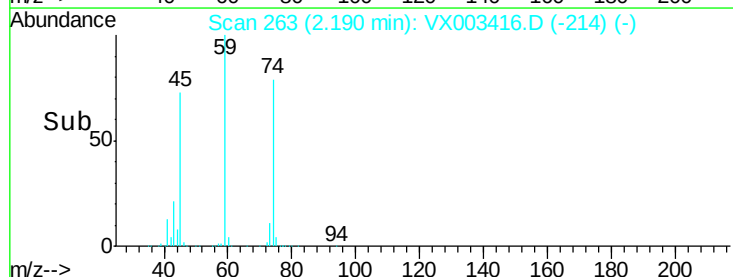
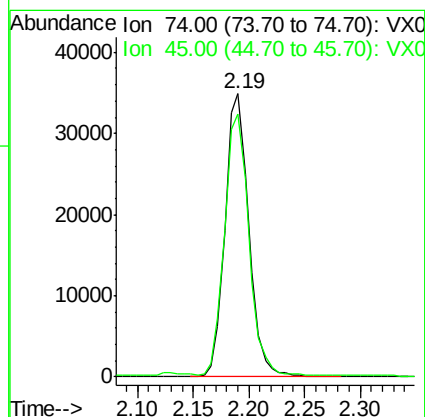
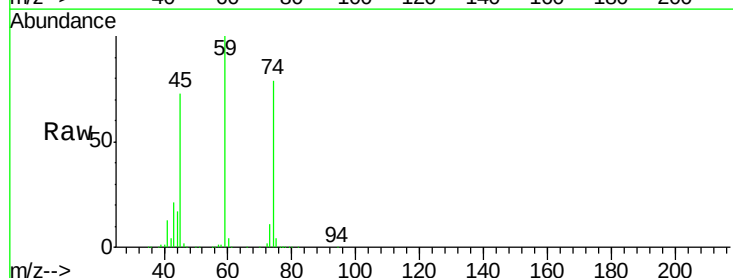
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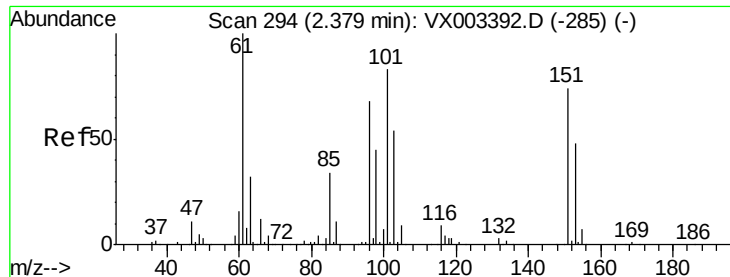


#8

Diethyl Ether
 Concen: 18.18 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion: 74 Resp: 51651
 Ion Ratio Lower Upper
 74 100
 45 94.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.02 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

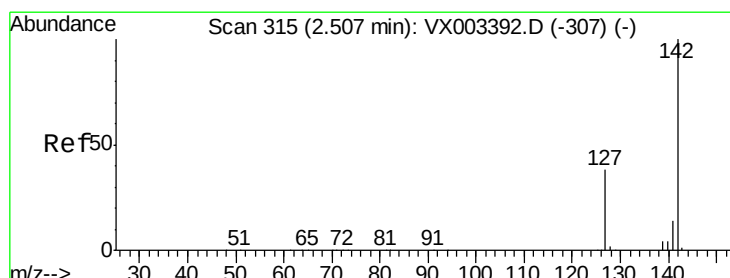
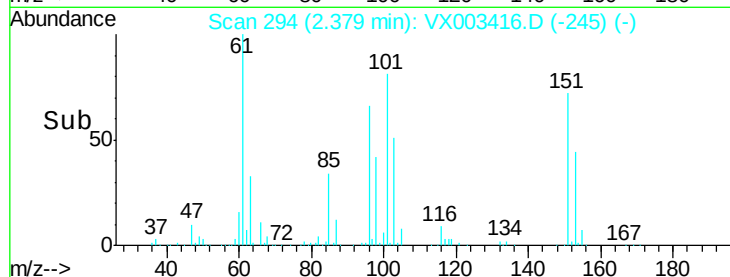
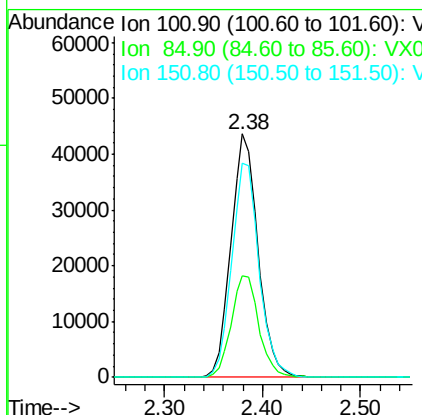
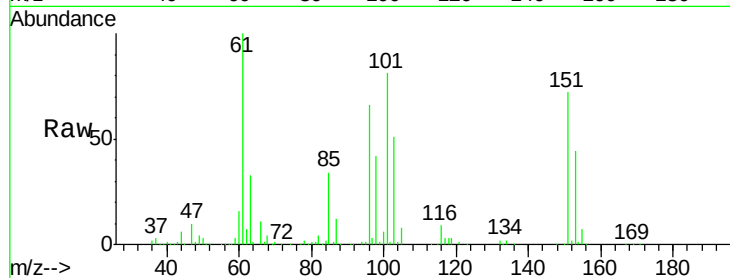
ClientSampleId :

VX0717WBS01

Tot Ion:	101	Resp:	83969
Ion Ratio	Lower	Upper	
101	100		
85	42.4	36.0	54.0
151	88.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 15.88 ug/l

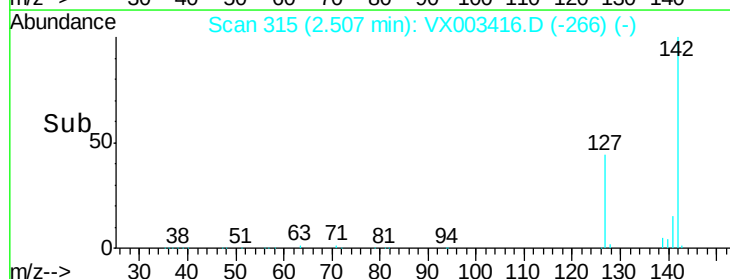
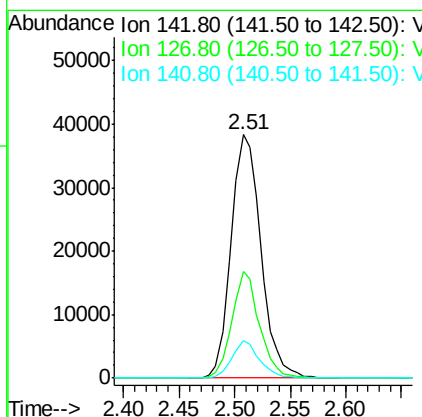
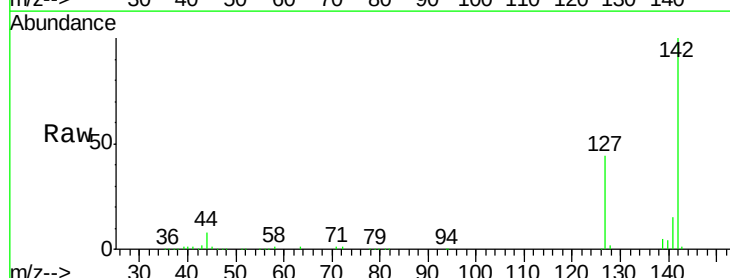
RT: 2.51 min Scan# 315

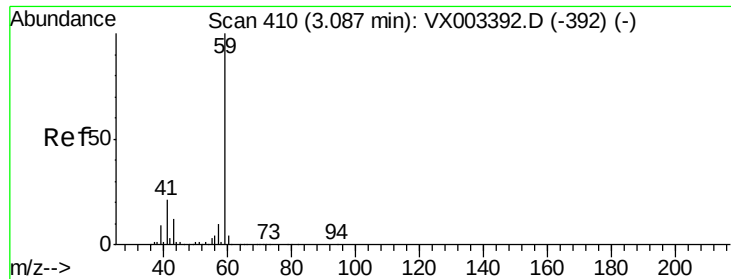
Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Tgt Ion:	142	Resp:	71261
Ion Ratio	Lower	Upper	
142	100		
127	40.1	36.6	55.0
141	14.3	11.3	16.9





#11

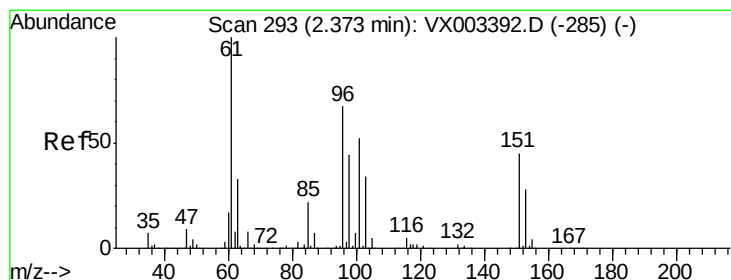
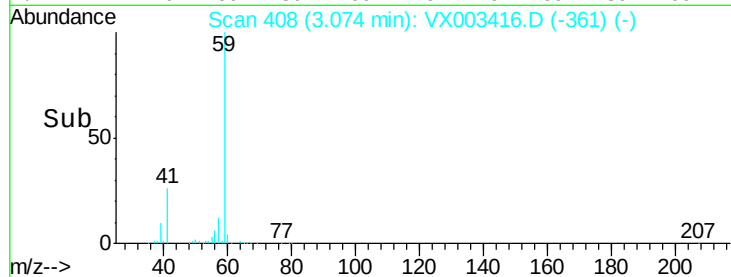
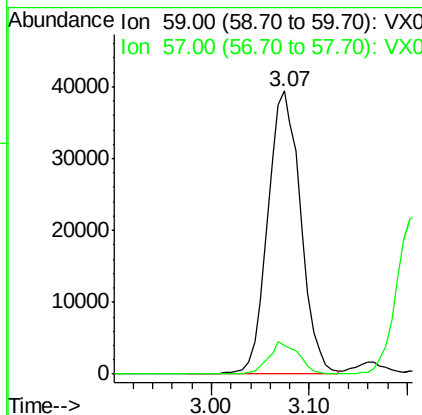
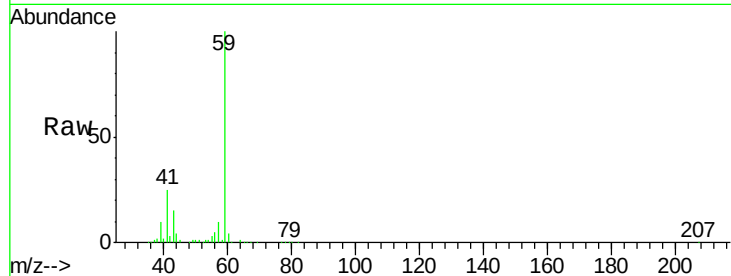
Tert butyl alcohol
Concen: 83.82 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	59	Resp	92808
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

Manual Integrations
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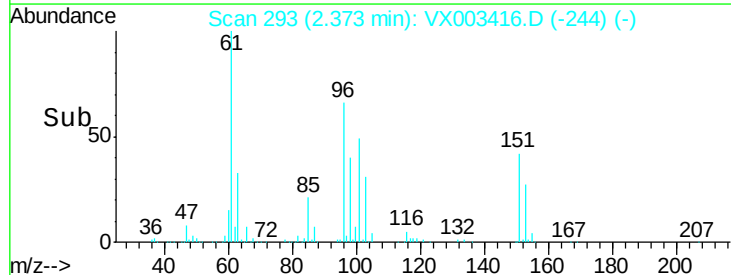
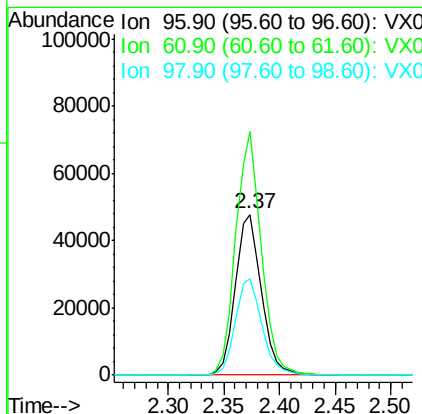
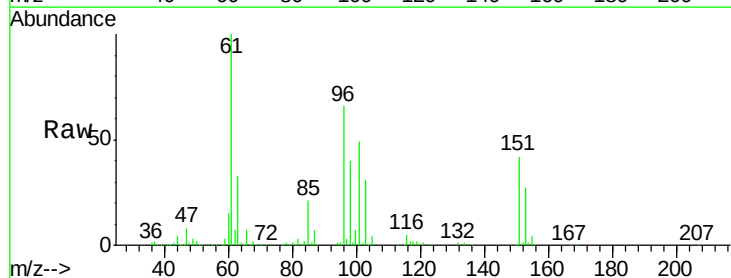
MMDadoda
7/18/2018 12:58:22 PM

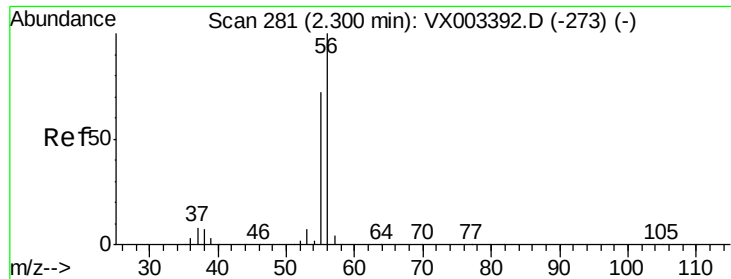


#12

1,1-Dichloroethene
Concen: 19.44 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	96	Resp	77046
Ion Ratio	100	Lower	Upper
61	151.7	137.9	206.9
98	60.2	51.6	77.4





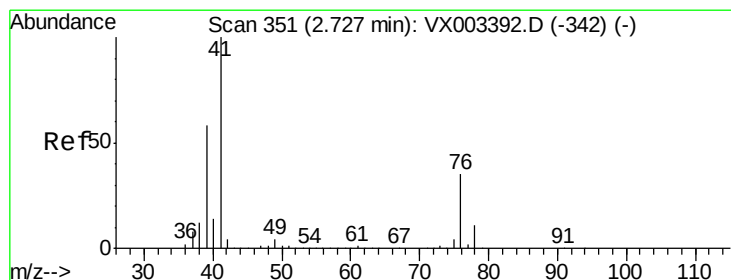
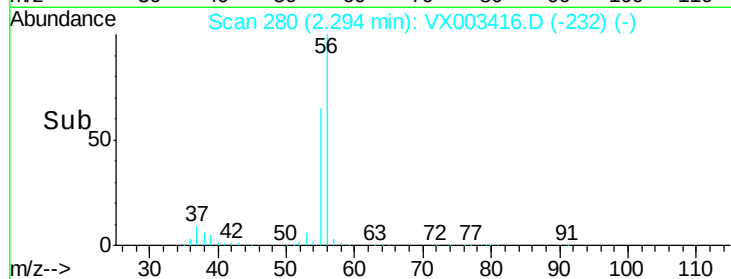
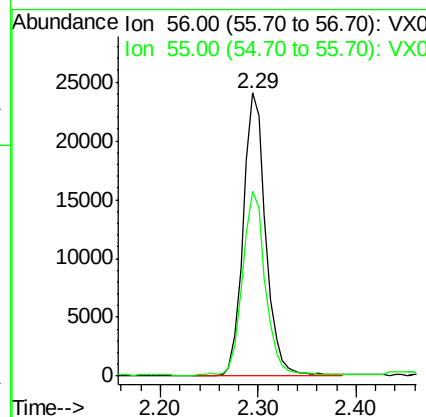
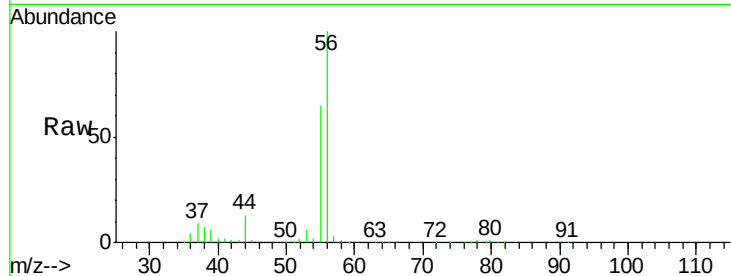
#13
Acrolein
Concen: 71.38 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	56	55	Ratio	100	66.7	Resp	37917	Lower	57.0	Upper	85.4
Ion	56	55	Ratio	100	66.7	Resp	37917	Lower	57.0	Upper	85.4

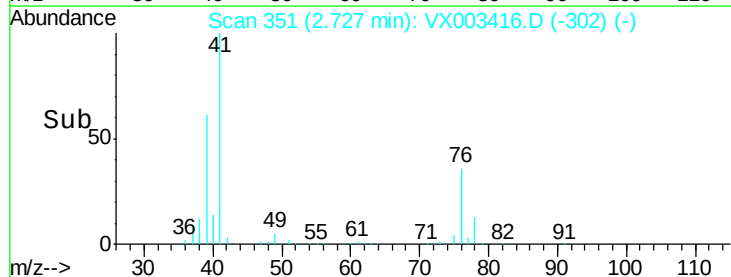
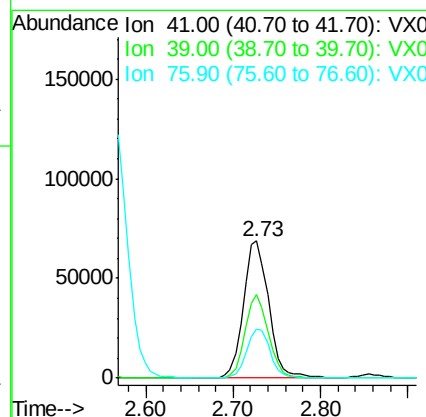
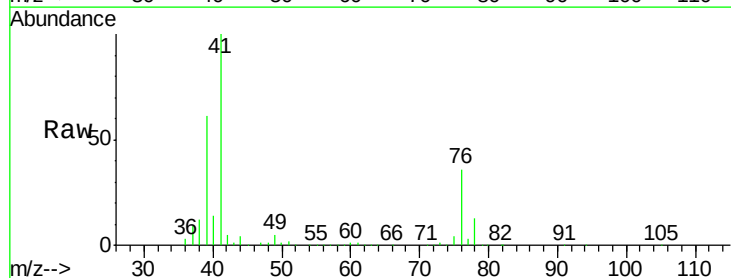
Manual Integrations
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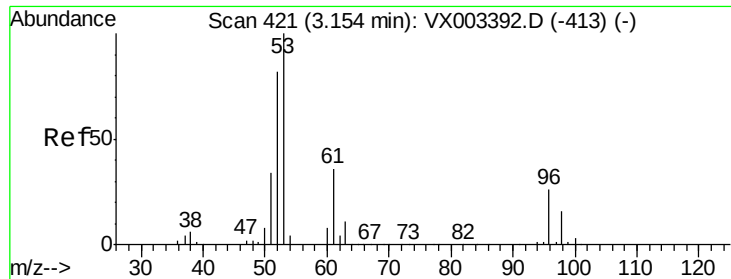
MMDadoda
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#14
Allyl chloride
Concen: 19.10 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	41	39	76	Ratio	100	57.0	33.4	Resp	137284	Lower	56.8	23.8	Upper	85.2	35.8
Ion	41	39	76	Ratio	100	57.0	33.4	Resp	137284	Lower	56.8	23.8	Upper	85.2	35.8





#15

Acrylonitrile

Concen: 89.10 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

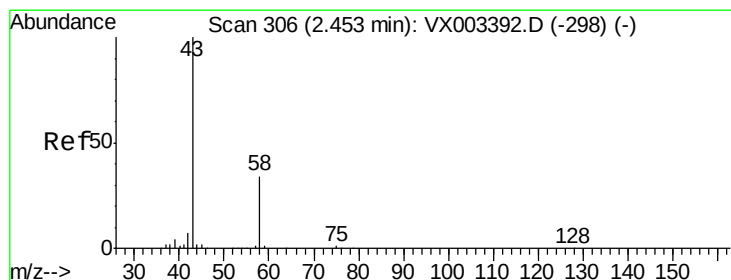
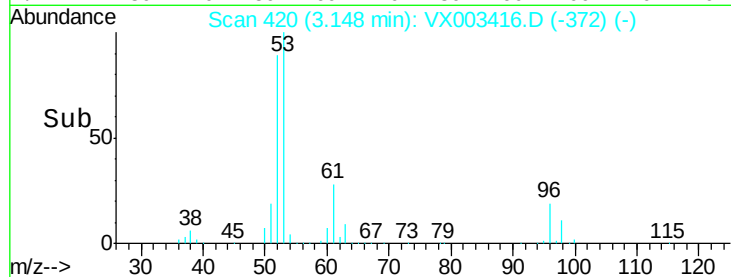
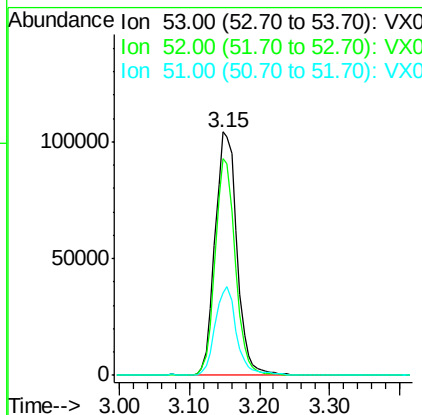
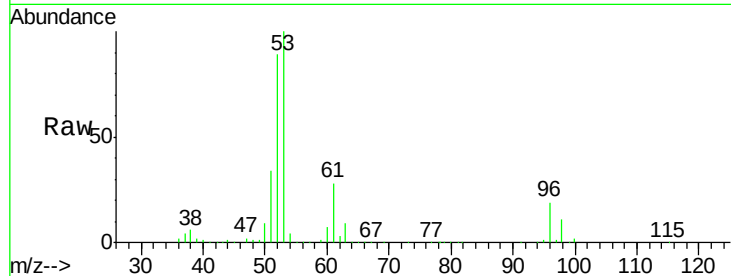
ClientSampleId :

VX0717WBS01

Tot Ion:	53	Resp:	226040
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	35.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 84.15 ug/l

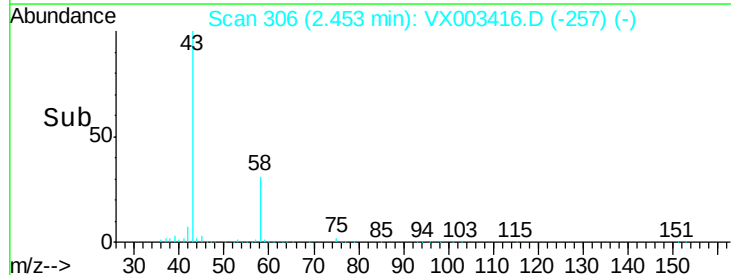
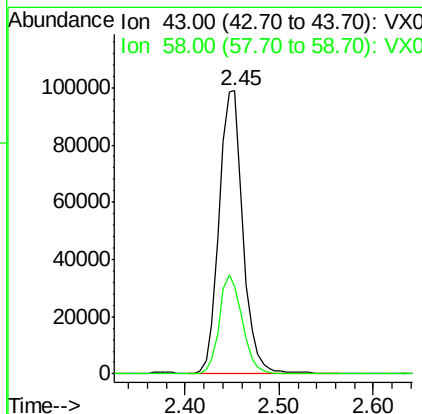
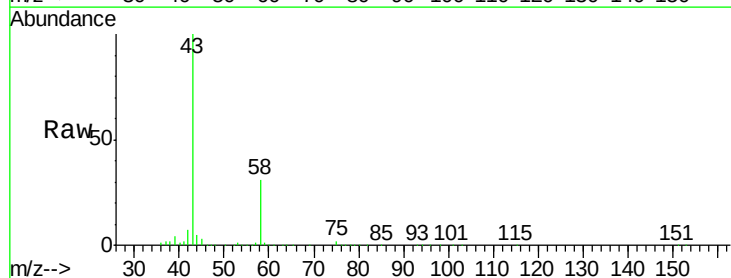
RT: 2.45 min Scan# 306

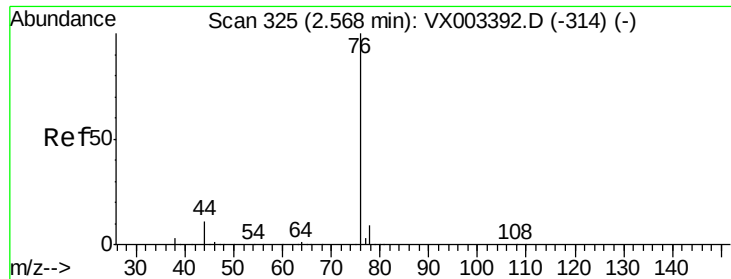
Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Tgt Ion:	43	Resp:	172331
Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.1	33.1





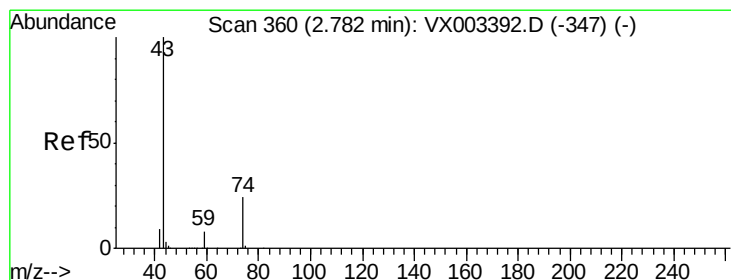
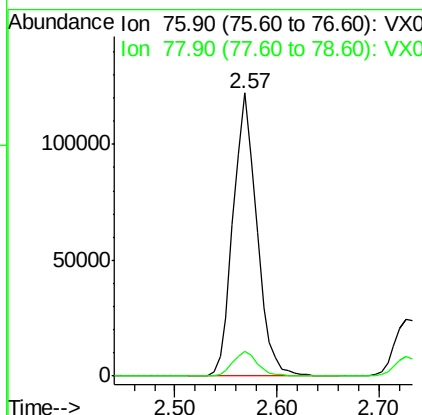
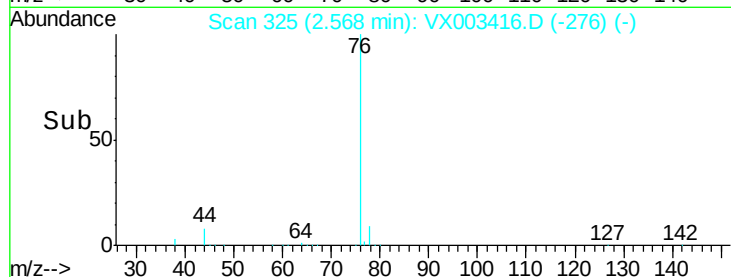
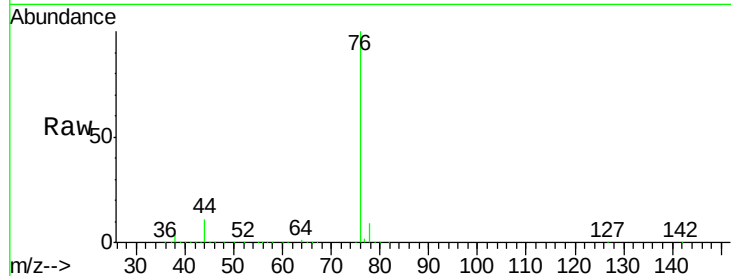
#17
Carbon Disulfide
Concen: 18.01 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

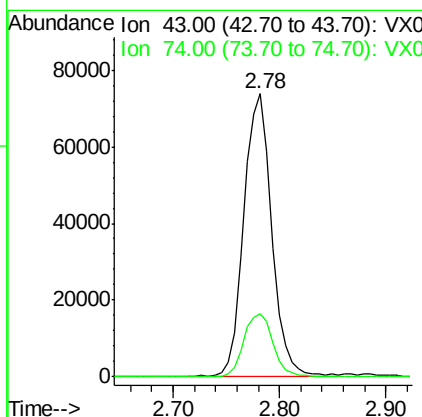
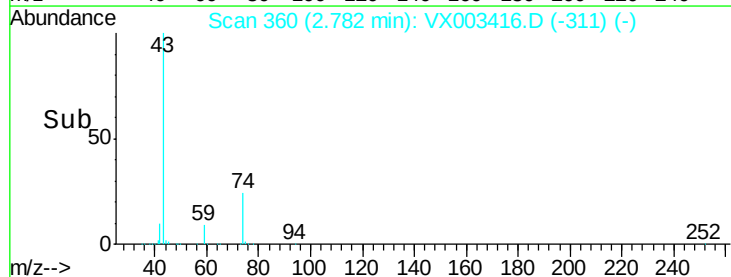
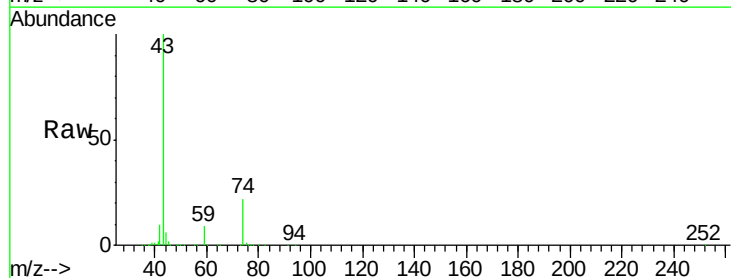
Manual Integrations
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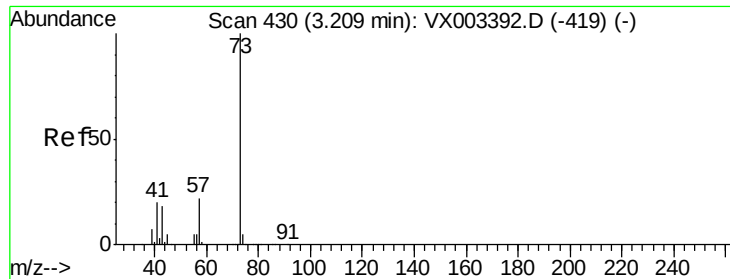
MMDadoda
7/18/2018 12:58:22 PM



#18
Methyl Acetate
Concen: 20.27 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	16.7	25.1





#19

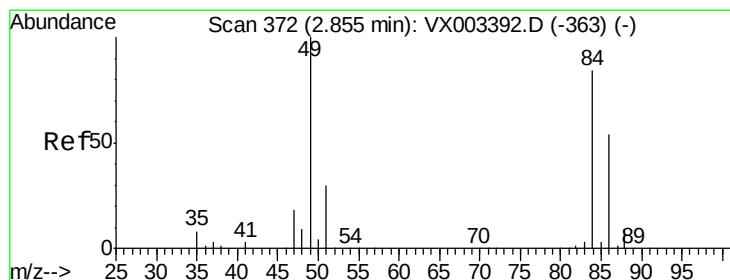
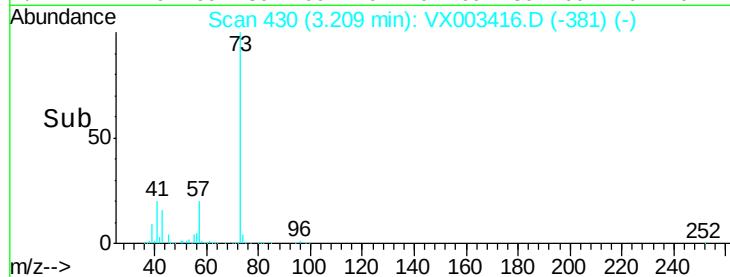
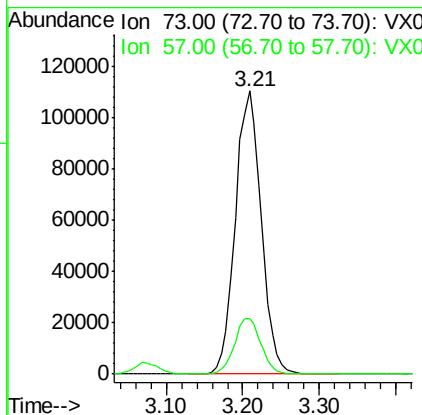
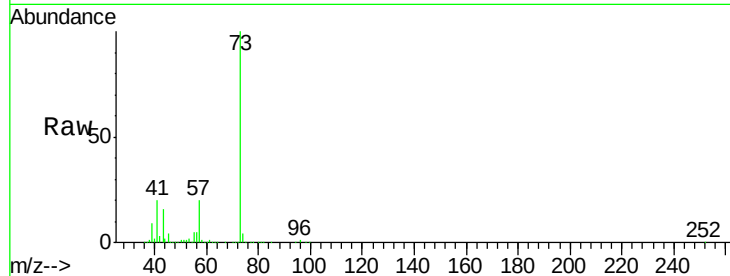
Methyl tert-butyl Ether
 Concen: 19.68 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.7	26.5

Manual Integrations
 APPROVED

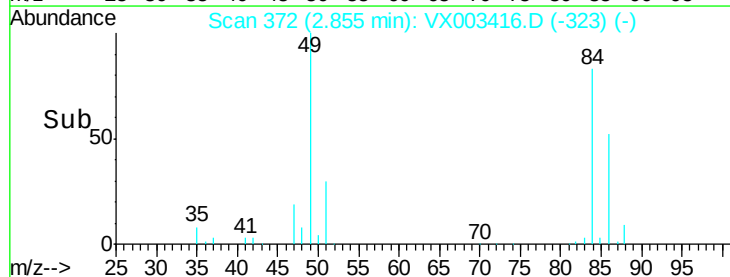
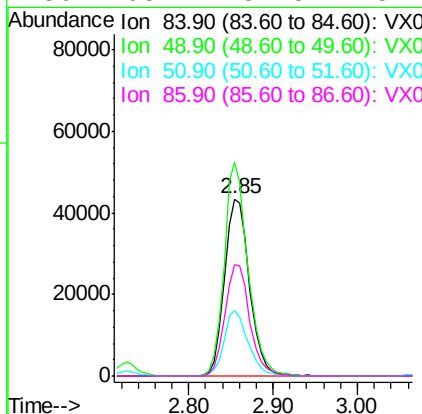
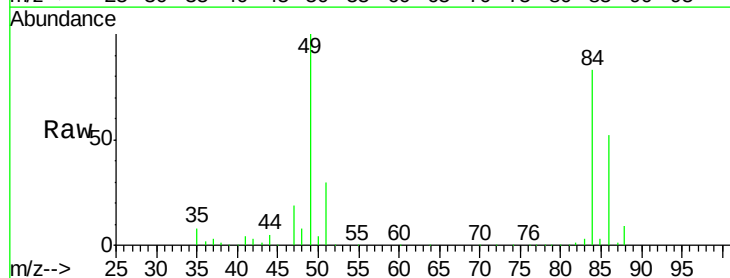
MMDadoda
 7/18/2018 12:58:22 PM

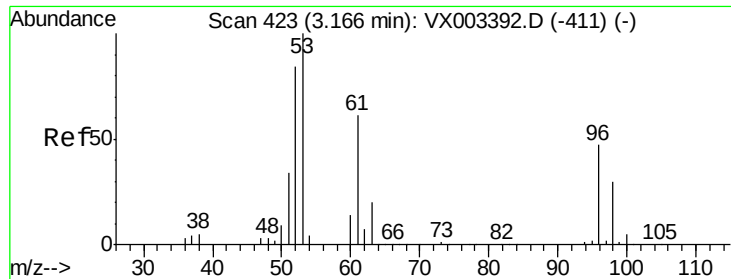


#20

Methylene Chloride
 Concen: 23.29 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	107.8	161.6
51	36.7	32.8	49.2
86	63.1	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 96 Resp: 82348

Ion Ratio Lower Upper

96 100

61 118.4 117.0 175.4

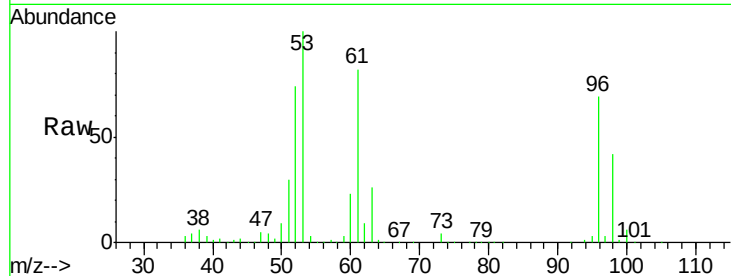
98 60.6 52.4 78.6

Manual Integrations

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MMDadoda

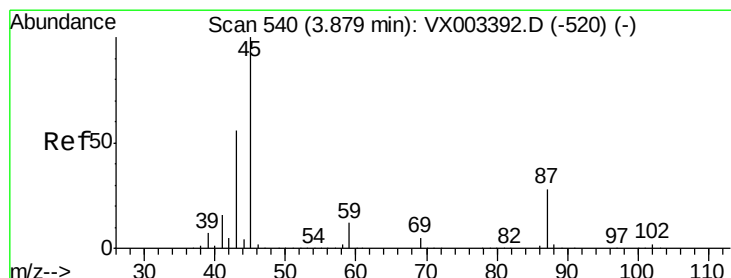
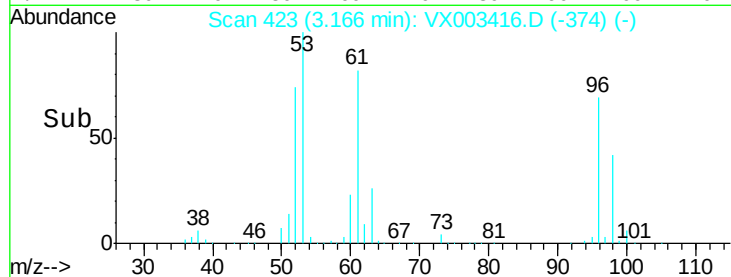
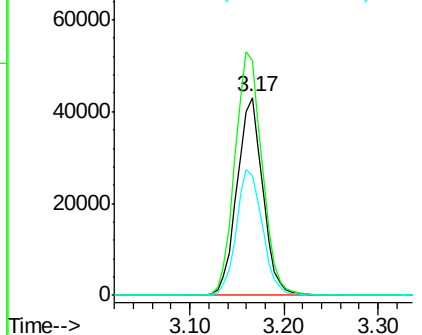
7/18/2018 12:58:22 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.82 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Tgt Ion: 45 Resp: 248438

Ion Ratio Lower Upper

45 100

43 58.3 46.8 70.2

87 31.1 20.2 30.4#

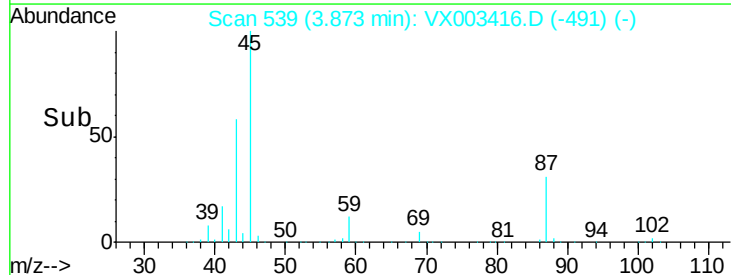
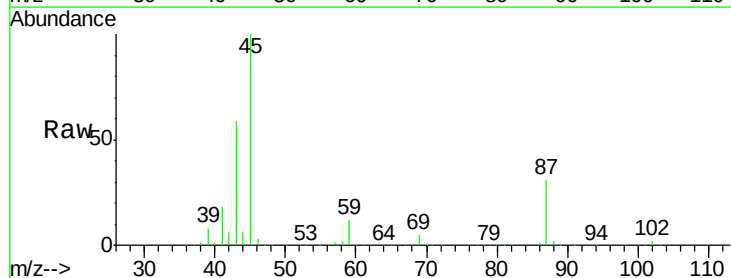
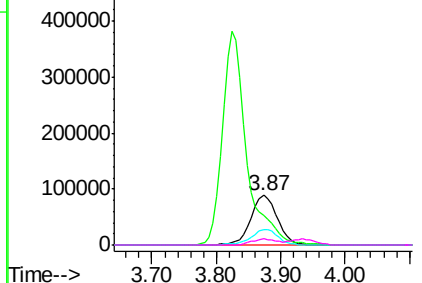
59 11.9 8.7 13.1

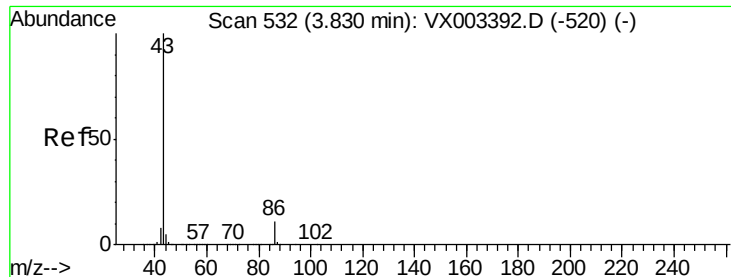
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 87.64 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampled :

VX0717WBS01

Tot Ion: 43 Resp: 1007956

Ion Ratio Lower Upper

43 100

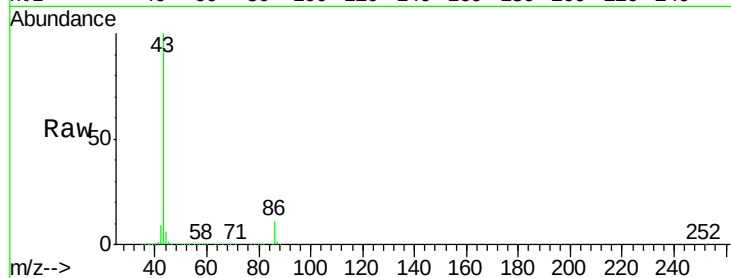
86 10.6 7.4 11.0

Manual Integrations

APPROVED

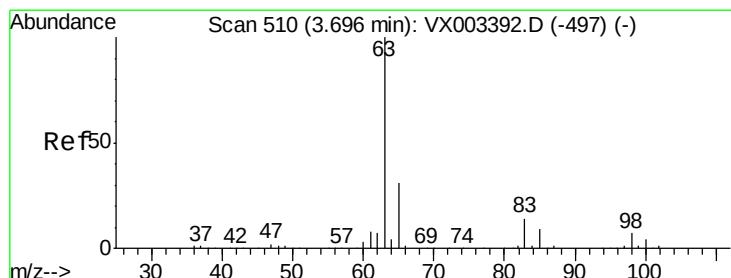
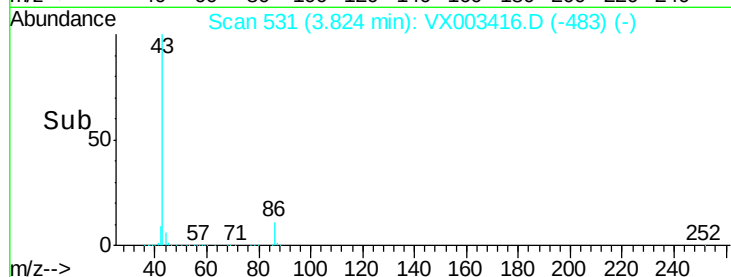
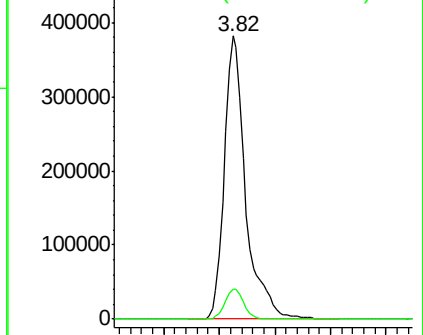
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

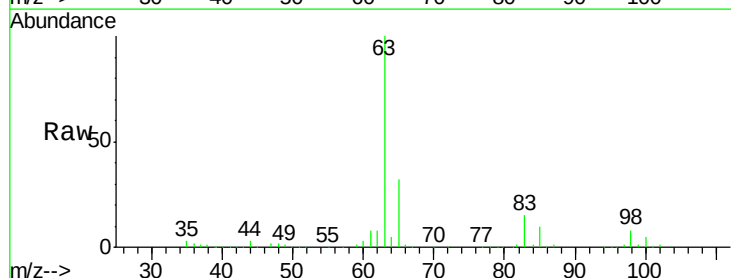
Tgt Ion: 63 Resp: 143656

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

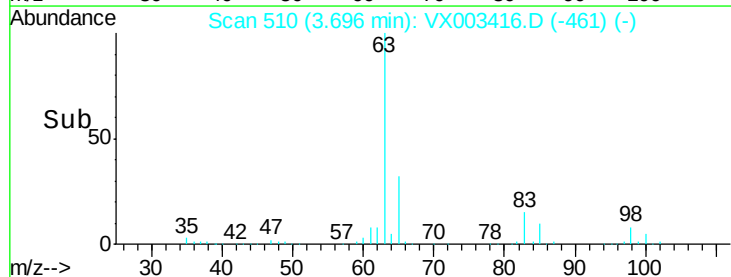
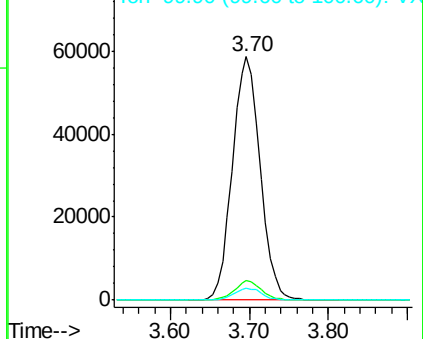
100 5.0 2.0 6.0

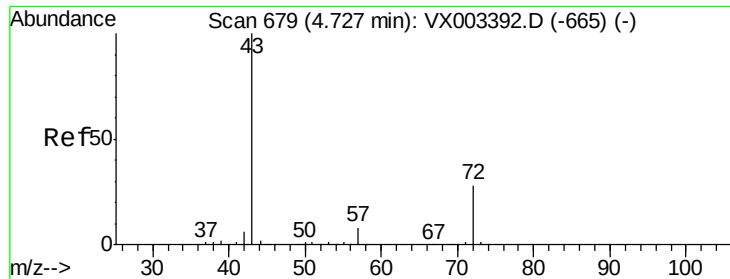


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 88.87 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 43 Resp: 284829

Ion Ratio Lower Upper

43 100

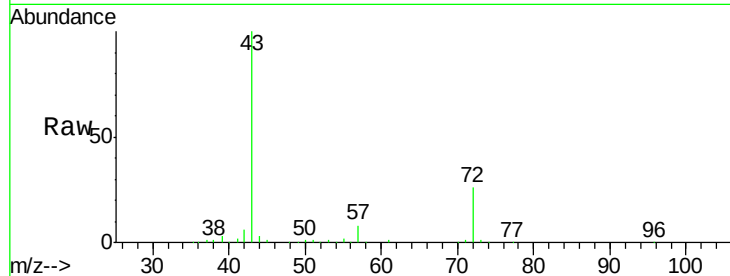
72 25.5 18.5 27.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

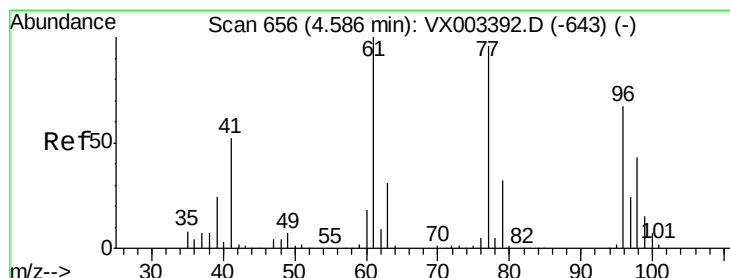
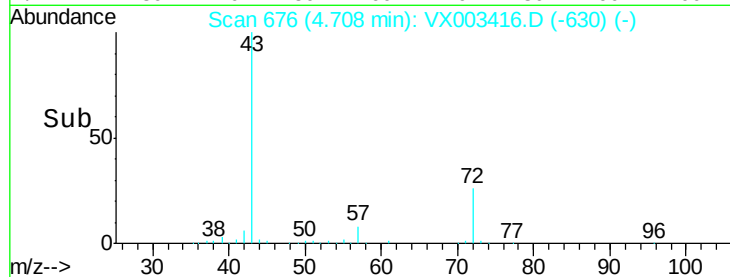
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.99 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003416.D

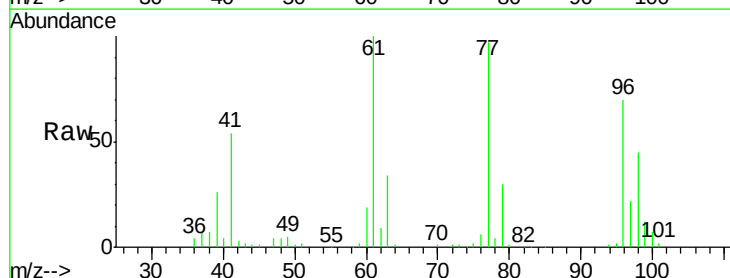
Acq: 17 Jul 2018 09:47

Tgt Ion: 77 Resp: 116568

Ion Ratio Lower Upper

77 100

97 24.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

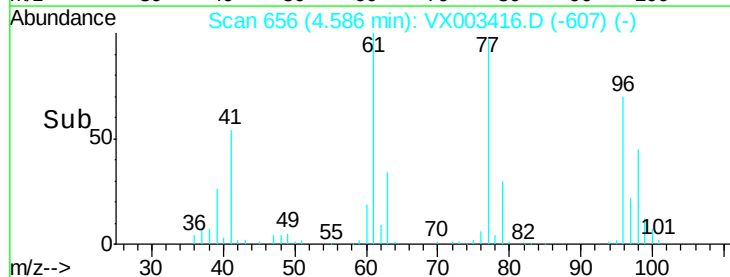
20000

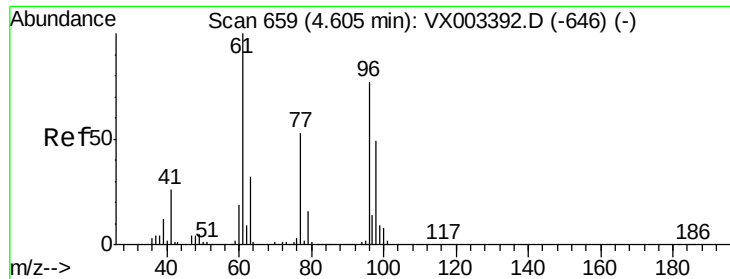
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

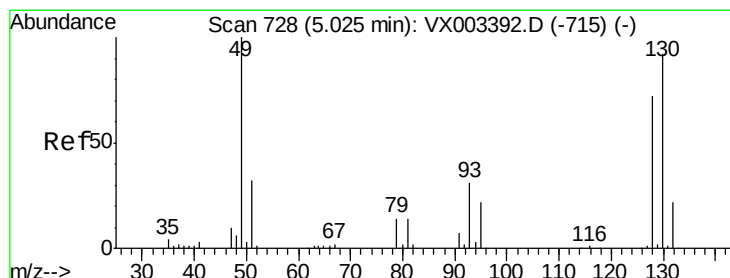
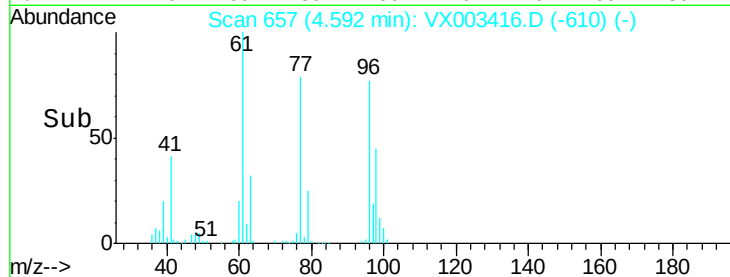
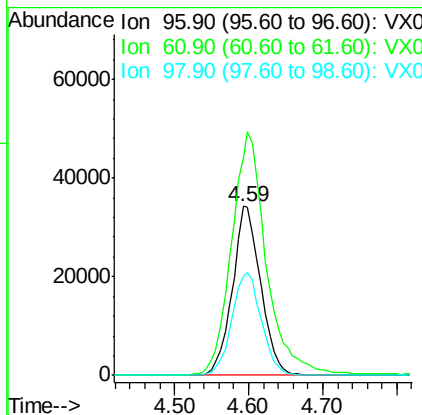
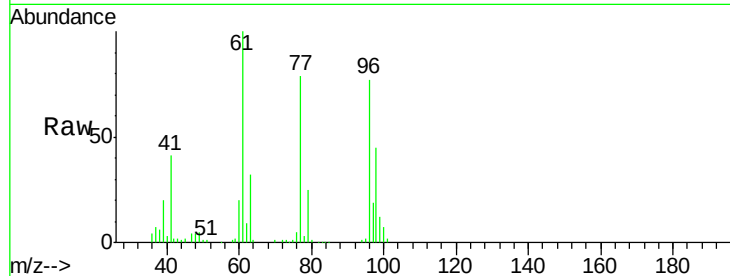
cis-1,2-Dichloroethene
Concen: 19.79 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.5	0.0	330.2
98	63.5	0.0	130.2

Manual Integrations
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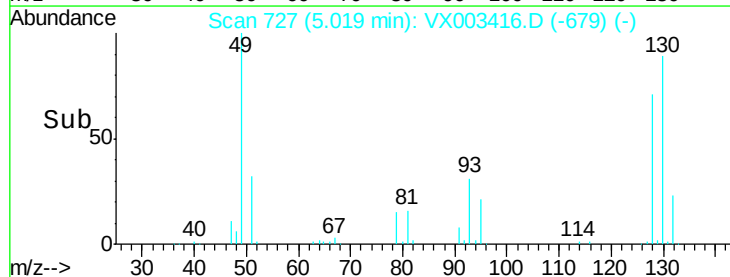
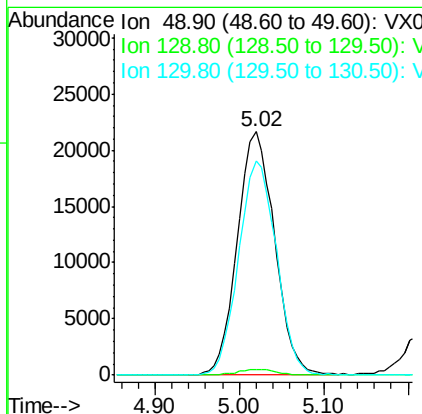
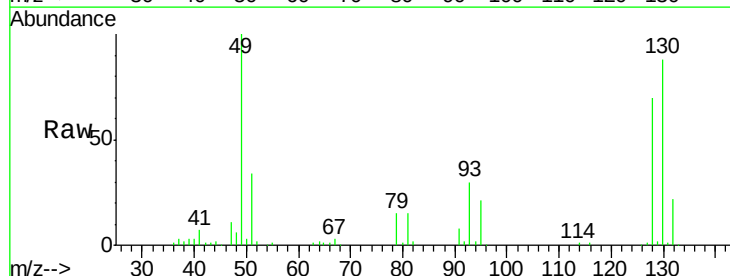
MMDadoda
7/18/2018 12:58:22 PM

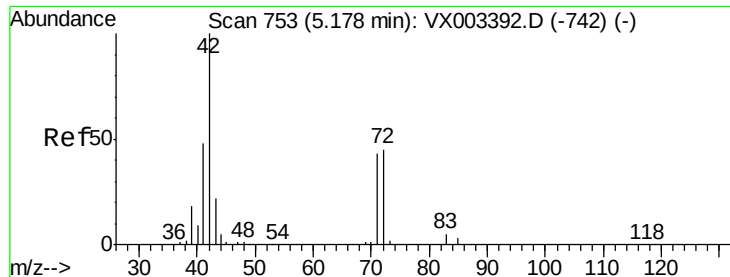


#28

Bromochloromethane
Concen: 18.95 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	88.7	61.2	91.8





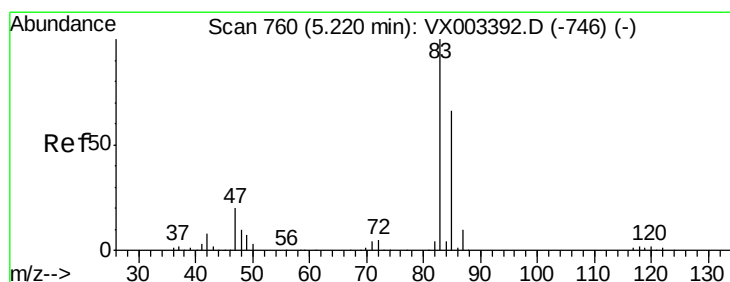
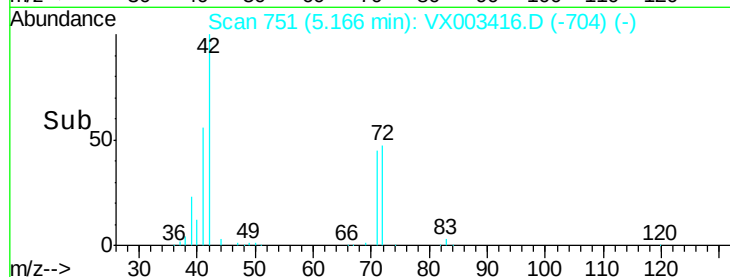
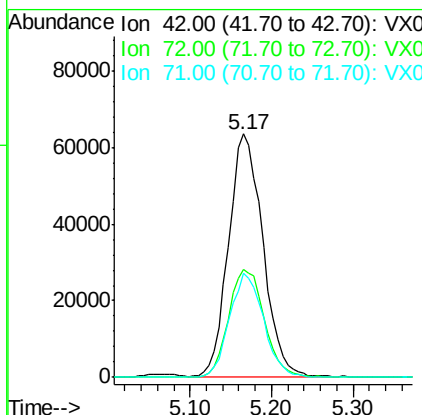
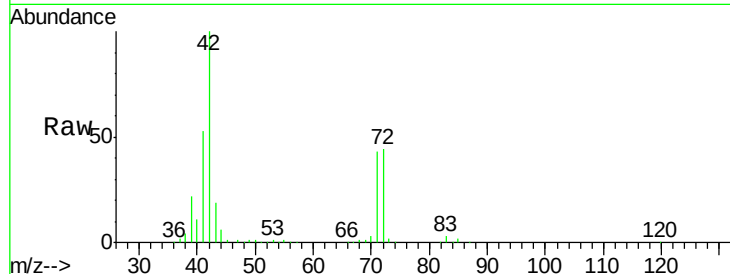
#29
Tetrahydrofuran
Concen: 90.53 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	32.0	48.0
71	42.8	30.1	45.1

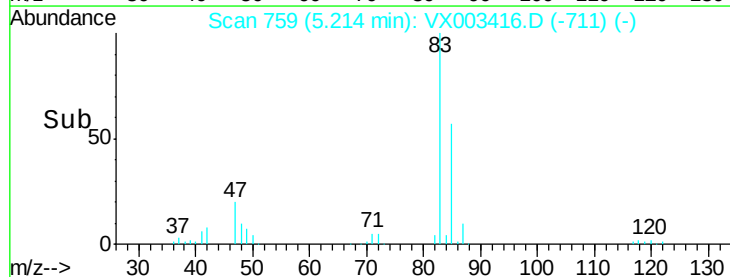
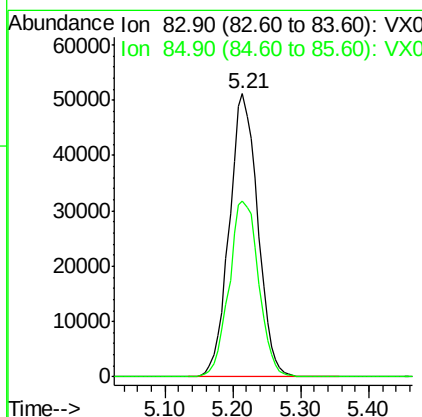
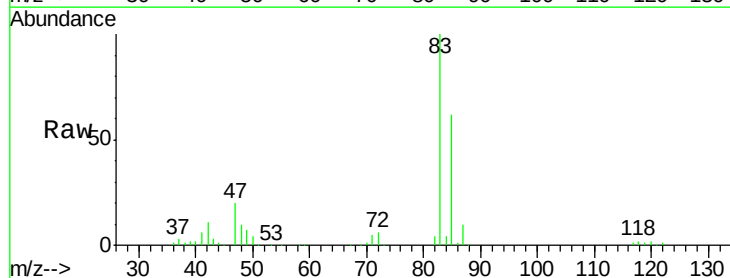
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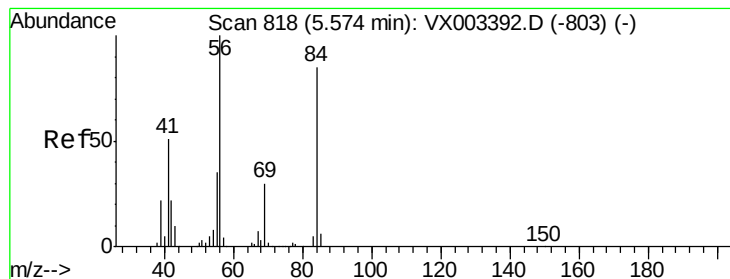
MMDadoda
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#30
Chloroform
Concen: 20.39 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.4	75.6





#31

Cyclohexane

Concen: 19.69 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 56 Resp: 120272

Ion Ratio Lower Upper

56 100

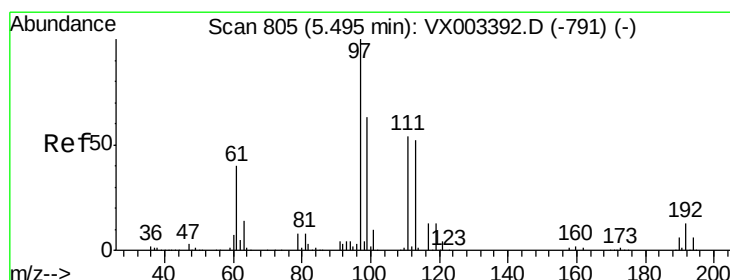
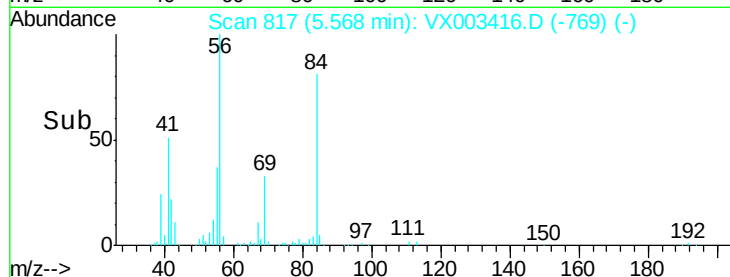
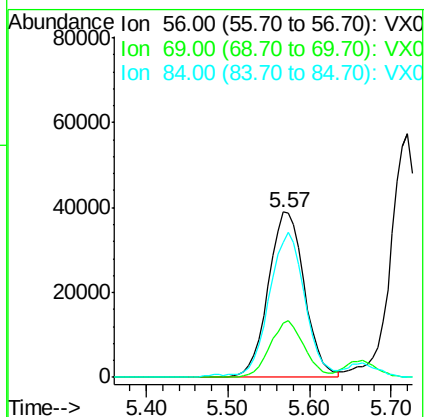
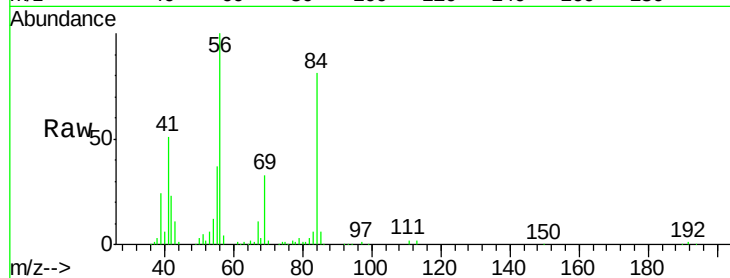
69 32.7 23.7 35.5

84 81.2 64.1 96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.63 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

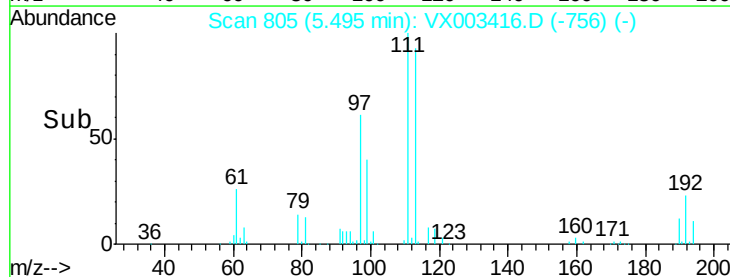
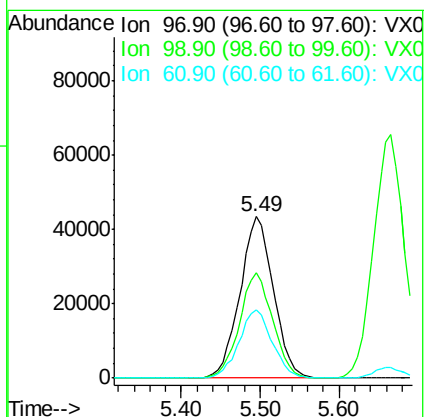
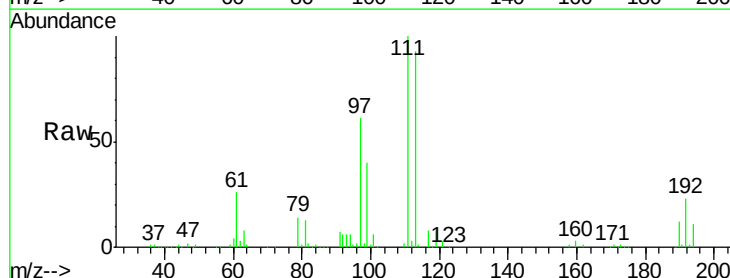
Tgt Ion: 97 Resp: 127930

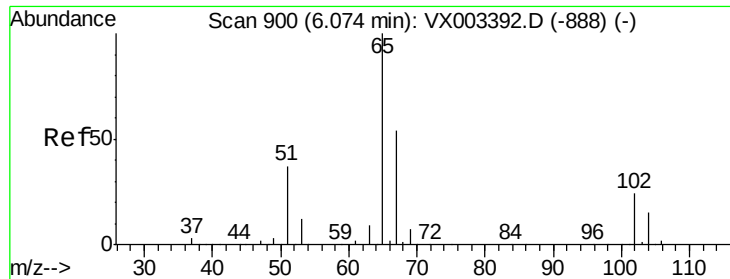
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 42.4 36.4 54.6





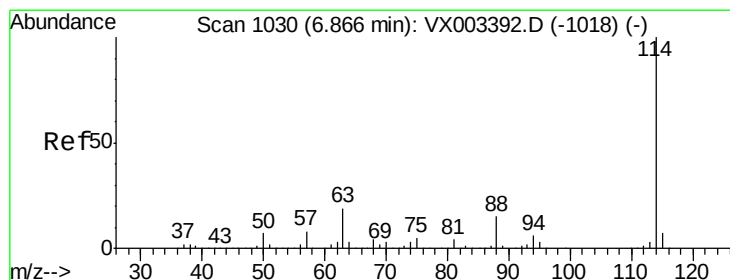
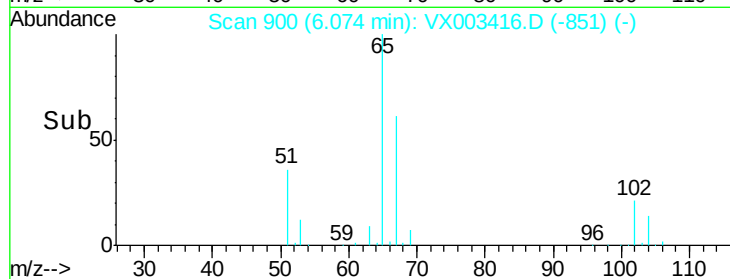
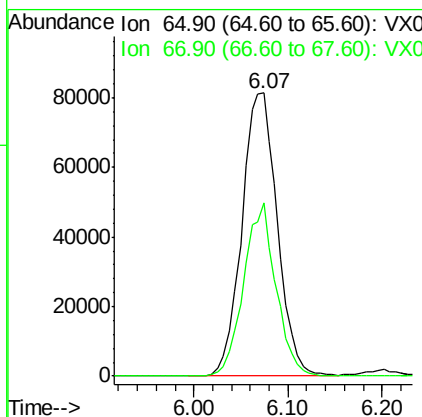
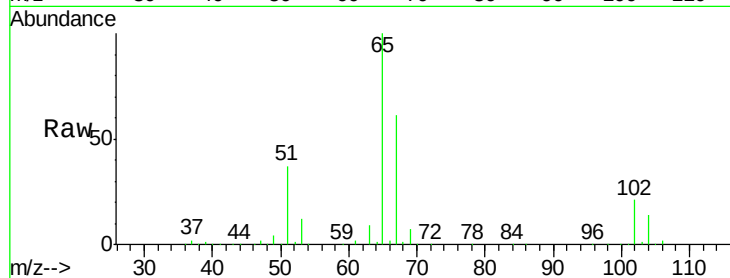
#33
 1,2-Dichloroethane-d4
 Concen: 43.49 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214153		
67	55.6	0.0	102.6	

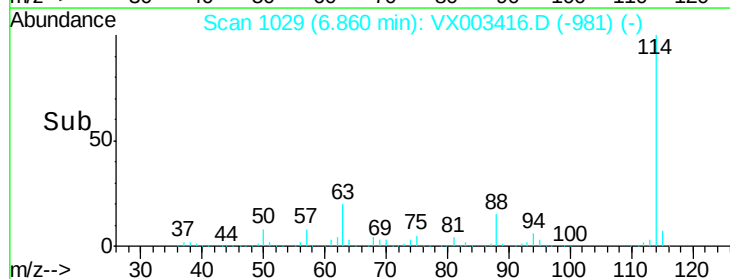
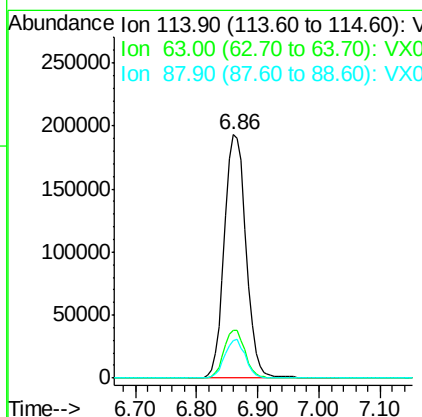
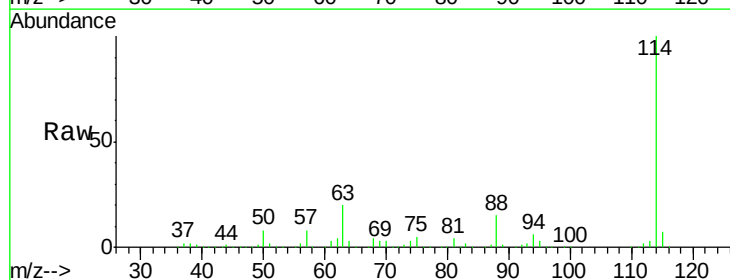
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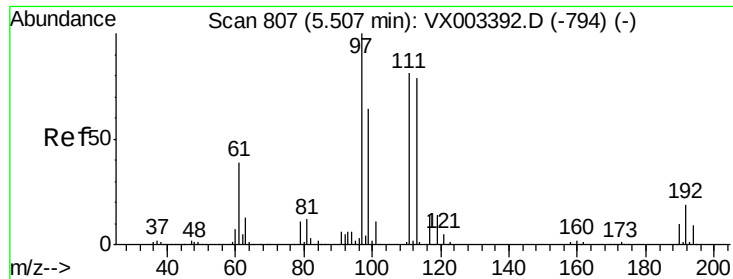
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	472698		
63	19.7	0.0	41.4	
88	15.2	0.0	30.0	





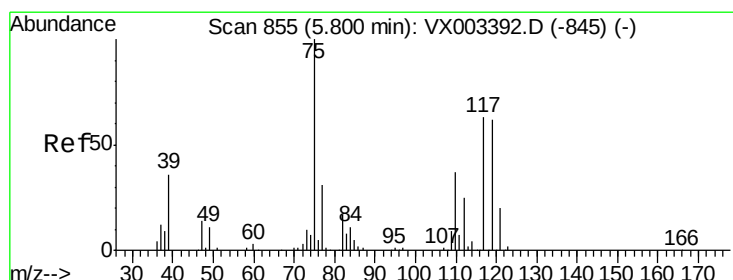
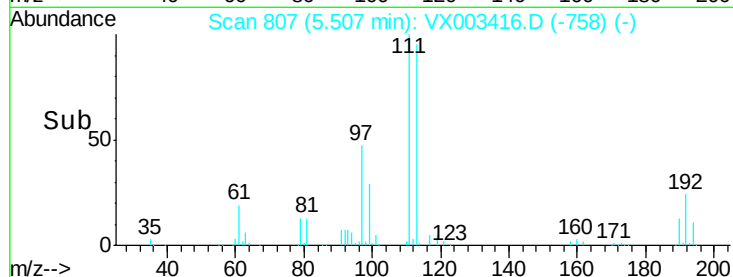
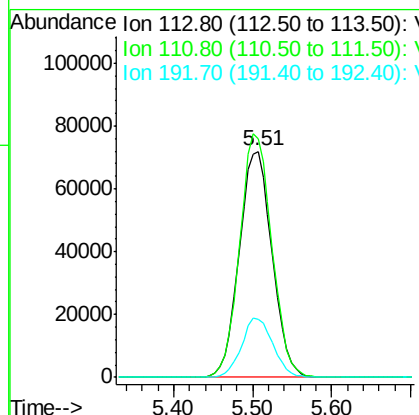
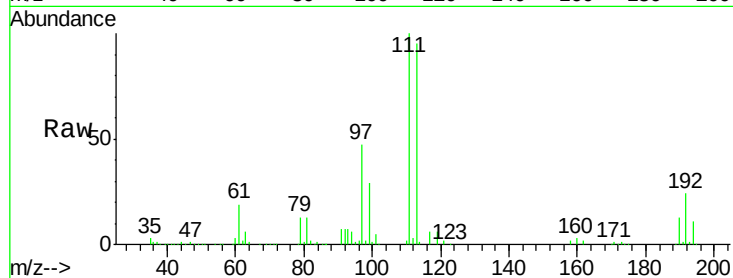
#35
 Dibromofluoromethane
 Concen: 54.36 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207893		
111	105.6	81.4	122.0	
192	25.2	19.1	28.7	

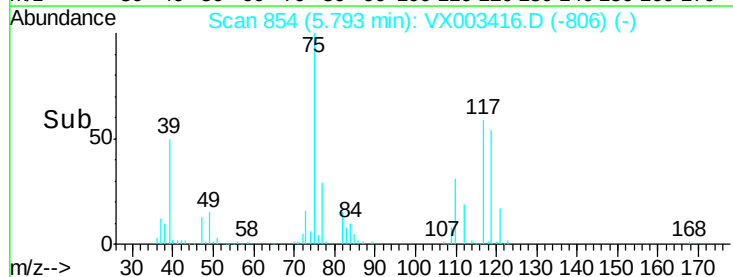
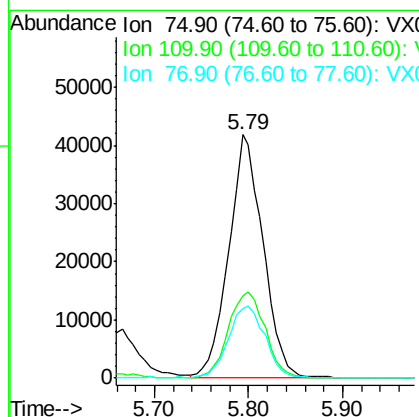
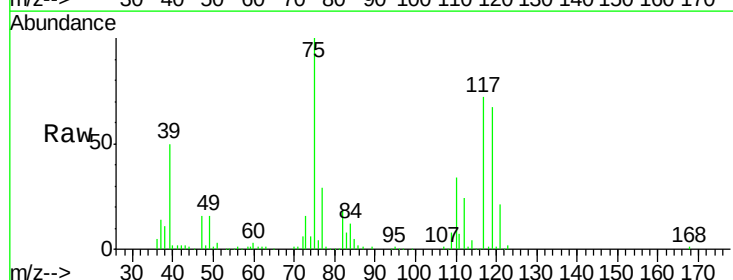
Manual Integrations
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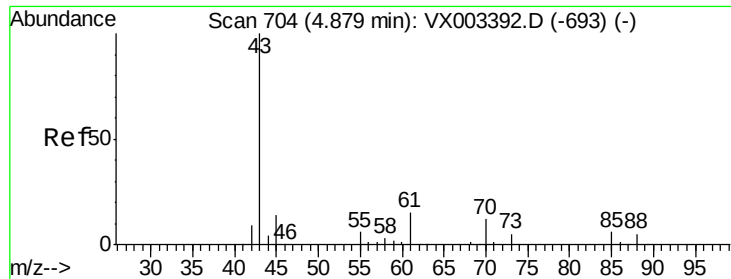
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#36
 1,1-Dichloropropene
 Concen: 21.98 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105231		
110	38.4	18.1	54.4	
77	32.1	24.3	36.5	





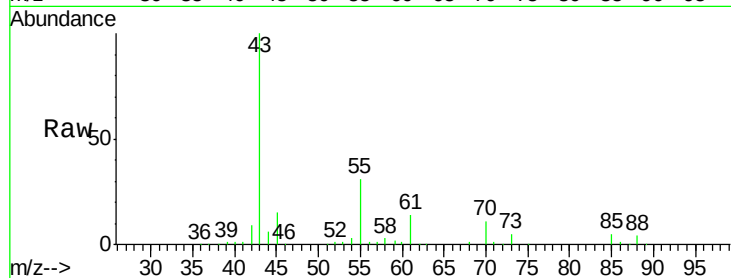
#37
Ethyl Acetate
Concen: 20.03 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

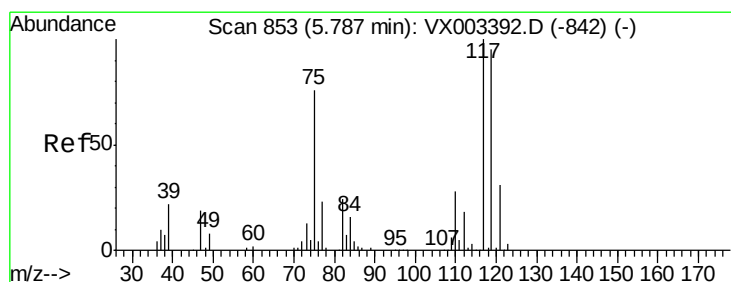
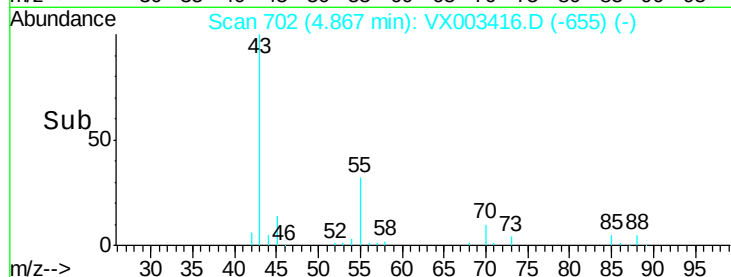
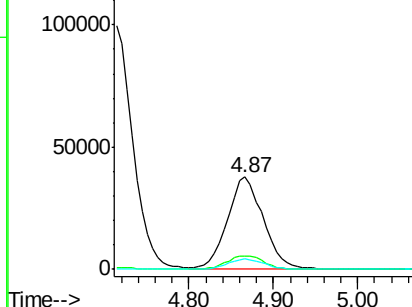
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	11.7	7.6	11.4

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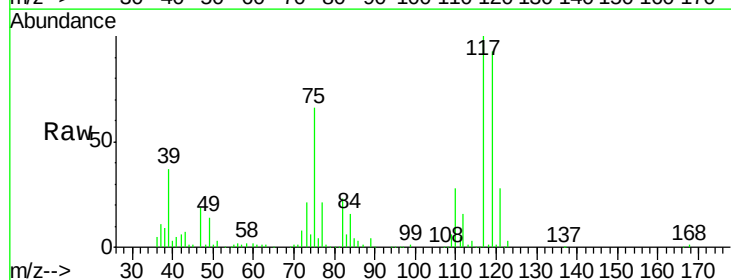


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

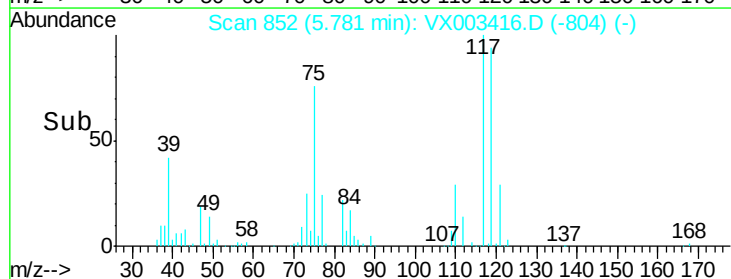
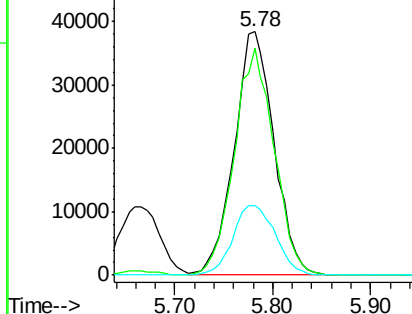


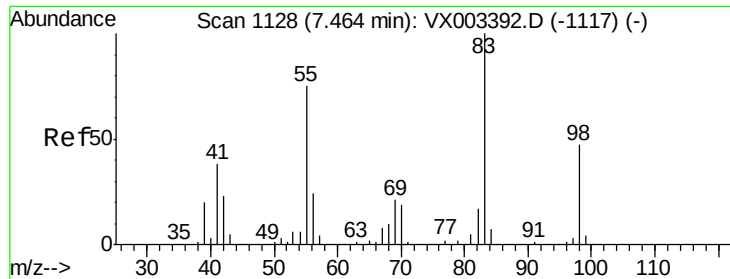
#38
Carbon Tetrachloride
Concen: 22.31 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.4	116.0
121	28.4	24.4	36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





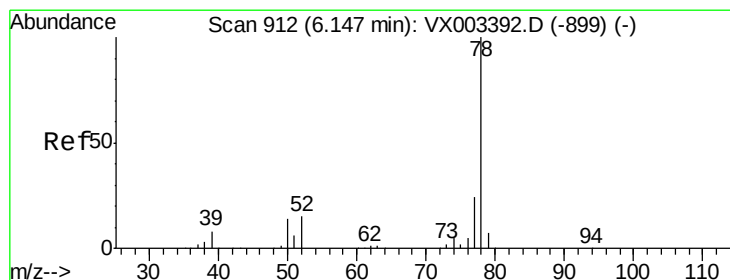
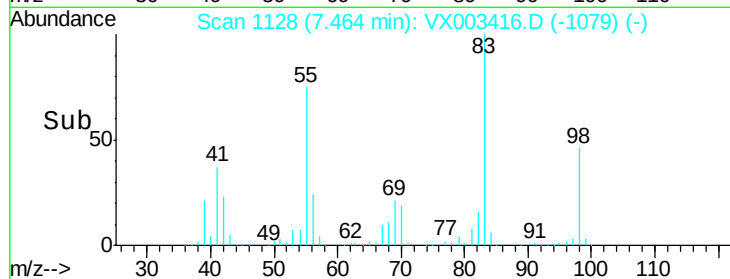
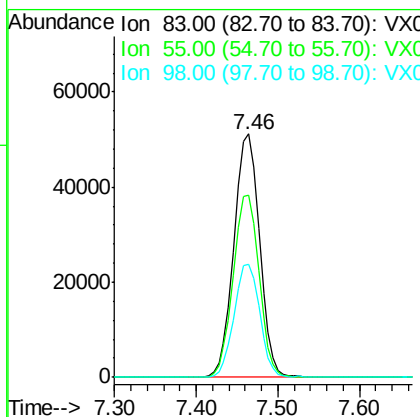
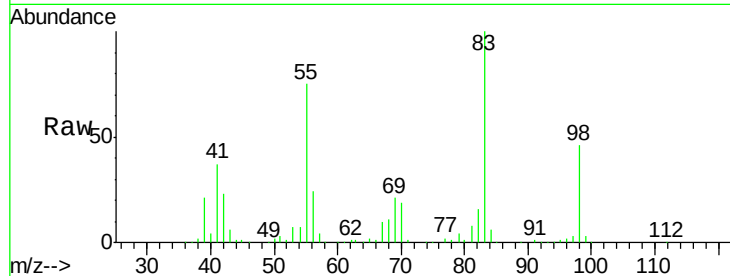
#39
Methylvlcyclohexane
Concen: 20.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	83	Resp	111348
Ion Ratio	100	Lower	Upper
83	100		
55	74.9	65.4	98.0
98	46.2	37.4	56.0

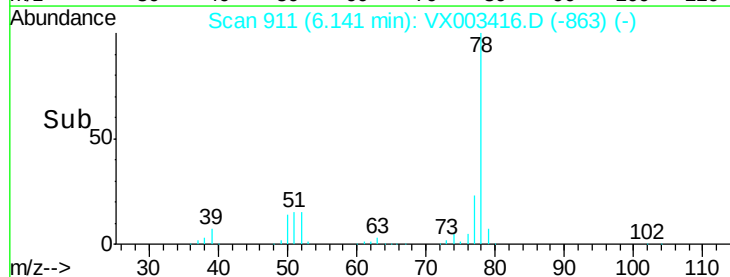
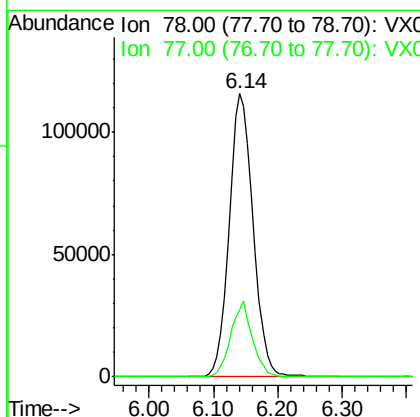
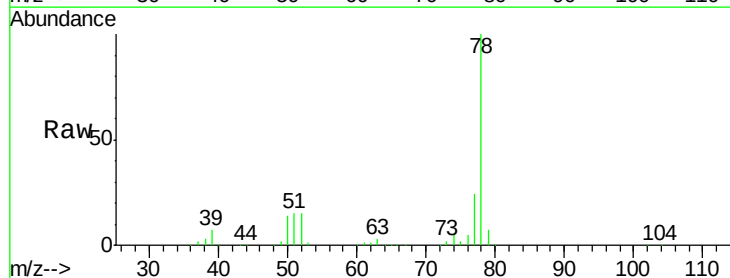
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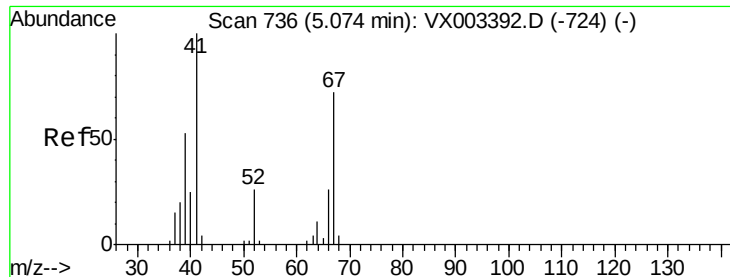
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#40
Benzene
Concen: 20.73 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	78	Resp	301882
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	19.1	28.7





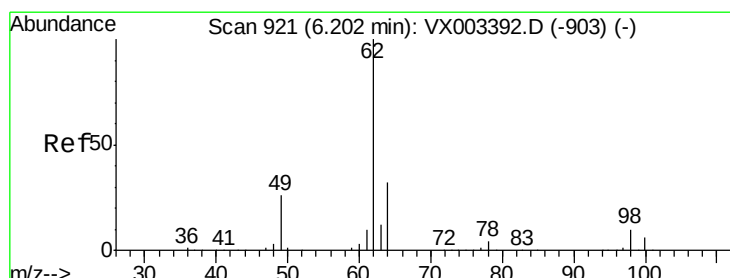
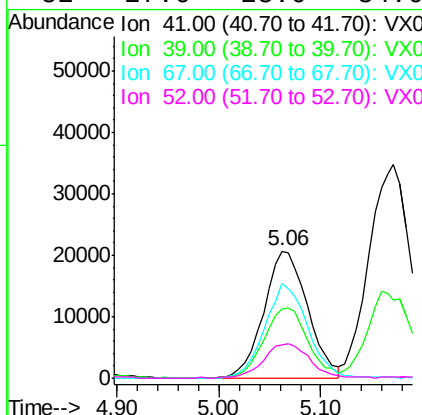
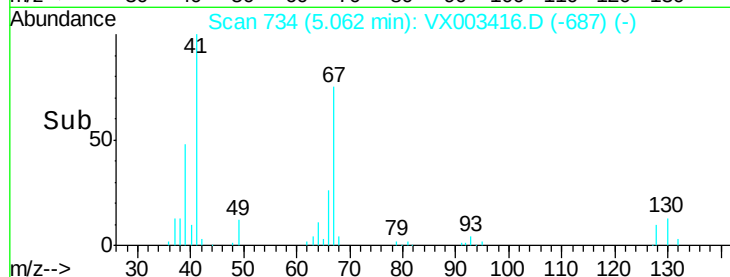
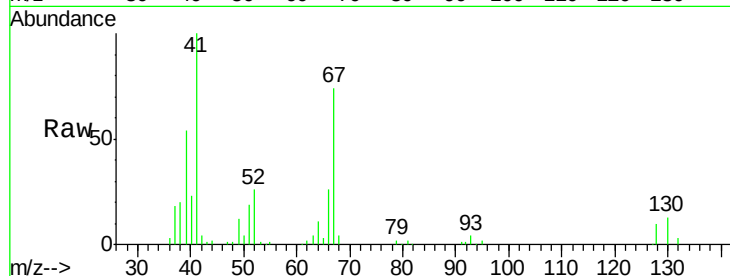
#41
Methacrylonitrile
Concen: 20.83 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	45.8	68.6	
67	73.0	51.3	76.9	
52	27.6	23.0	34.6	

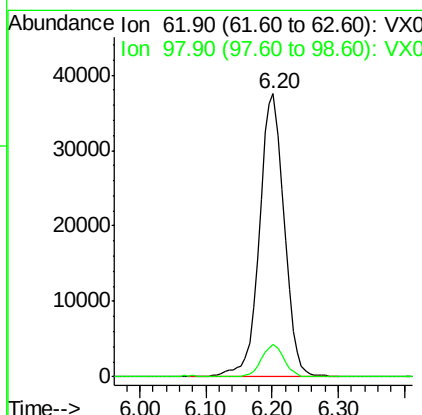
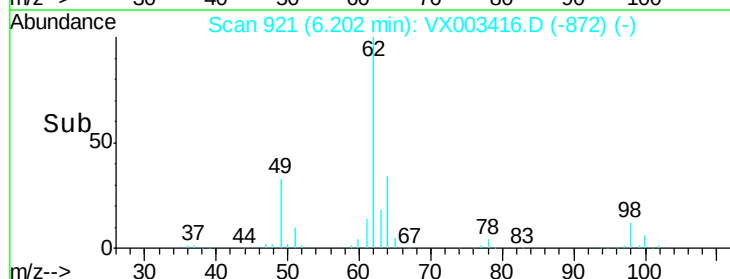
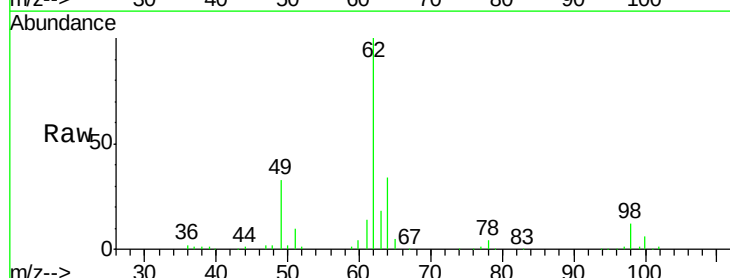
Manual Integrations
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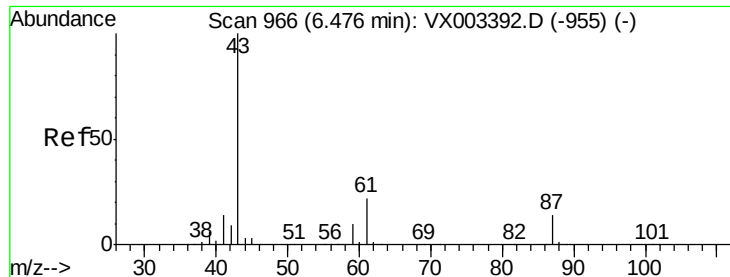
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.57 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	16.6	





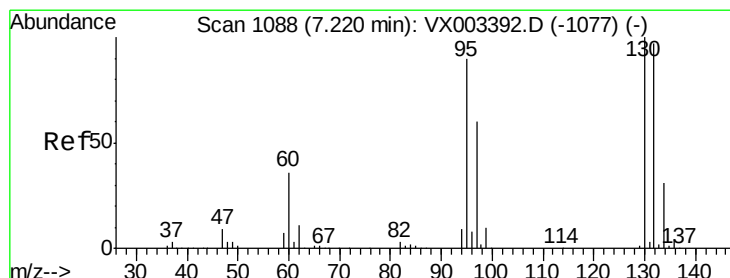
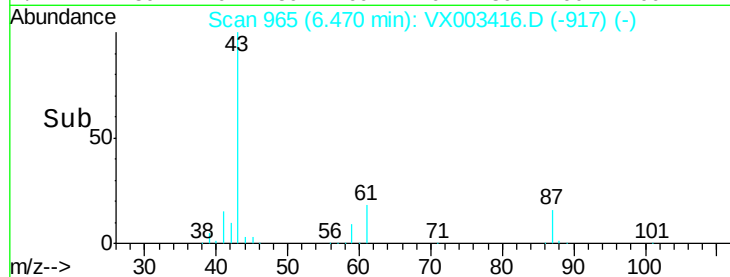
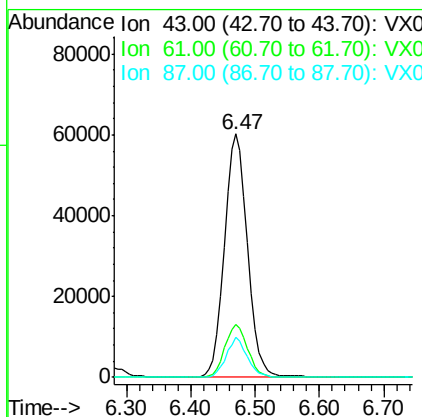
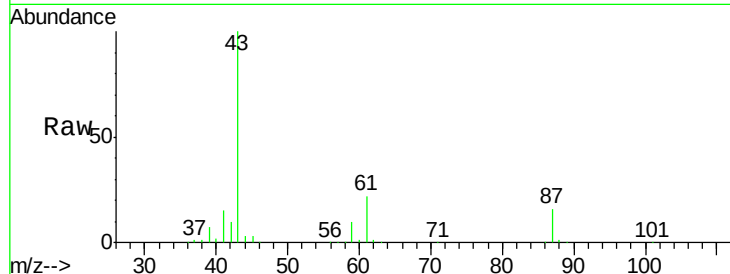
#43
Isopropyl Acetate
Concen: 18.57 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.4	21.6
87	14.9	9.5	14.3

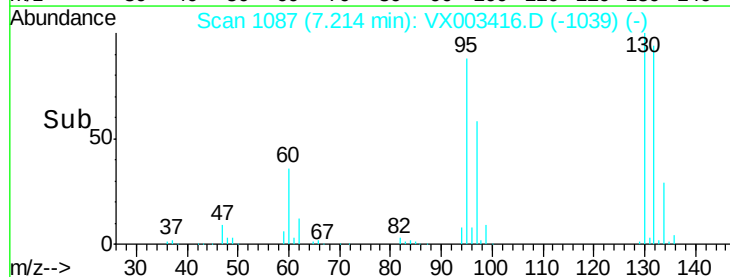
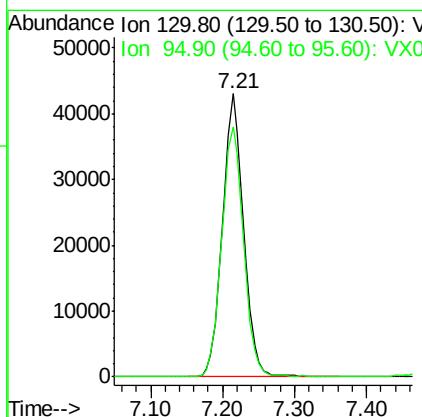
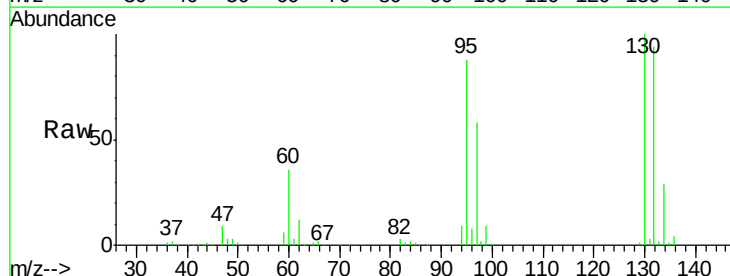
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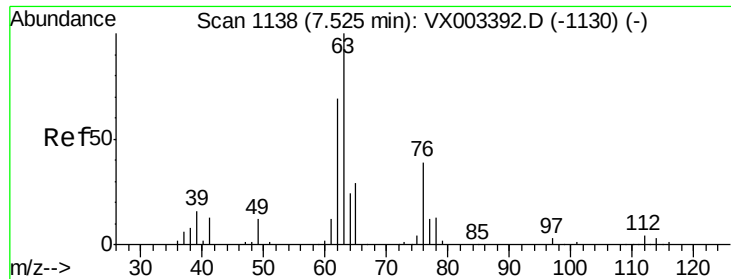
MMDadoda
7/18/2018 12:58:22 PM



#44
Trichloroethene
Concen: 20.81 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	185.4





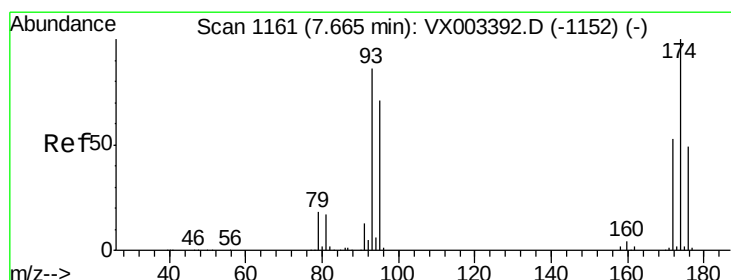
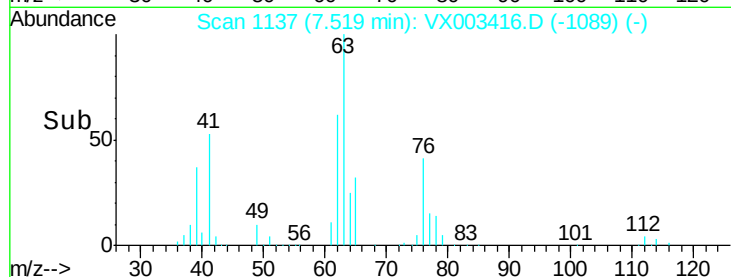
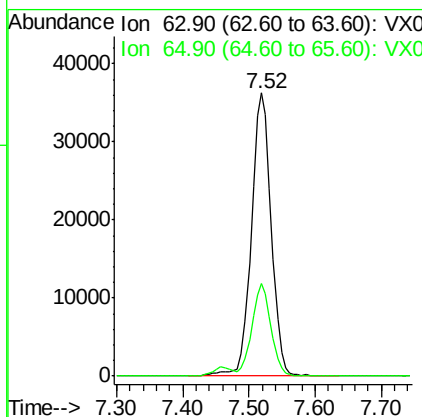
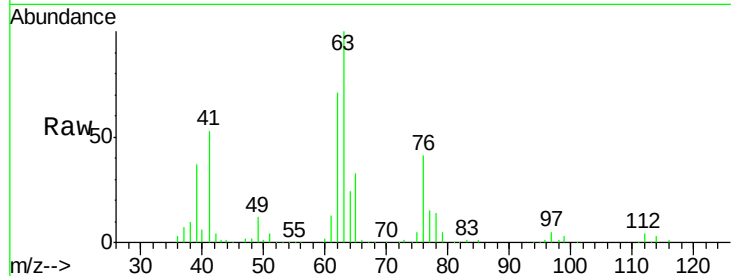
#45
 1,2-Dichloropropane
 Concen: 20.09 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion: 63 Resp: 76129
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.7 37.1

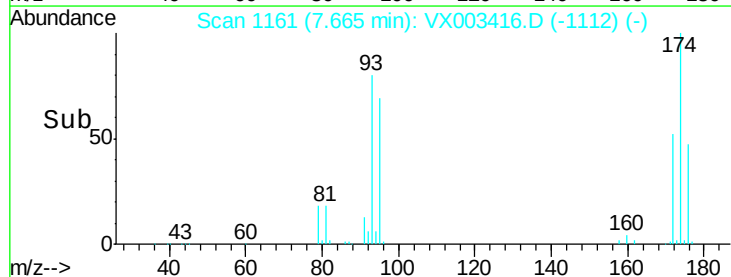
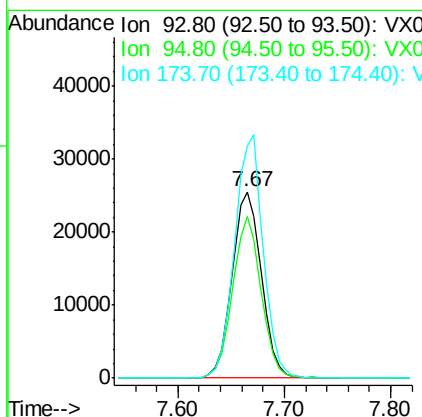
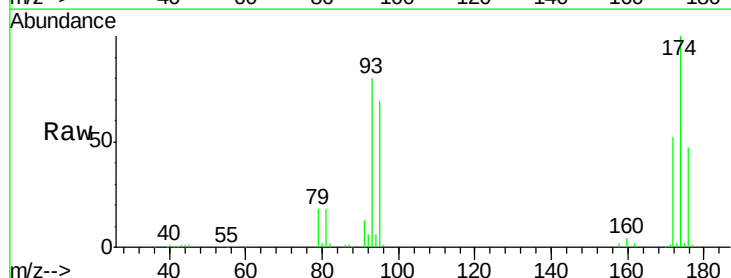
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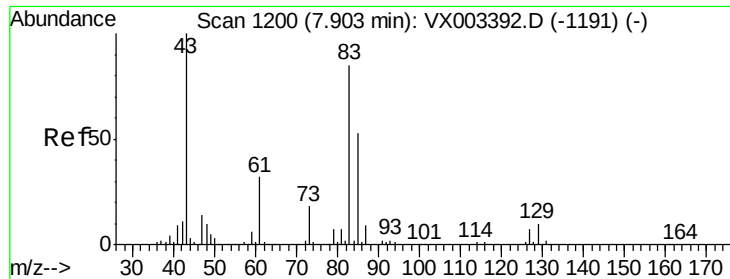
MMDadoda
 7/18/2018 12:58:22 PM



#46
 Dibromomethane
 Concen: 19.60 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion: 93 Resp: 49431
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.9 98.9
 174 127.3 92.4 138.6





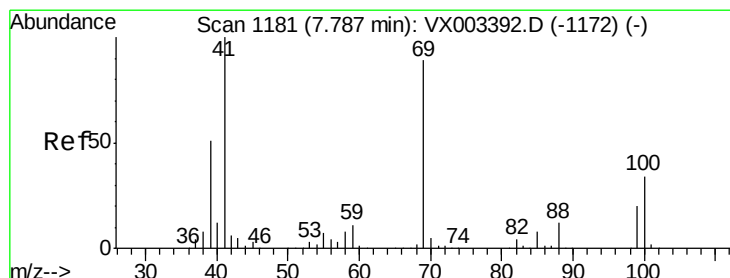
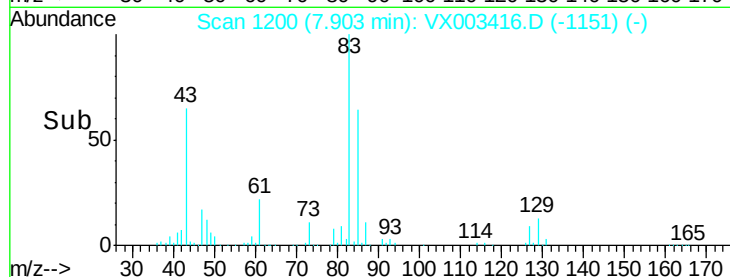
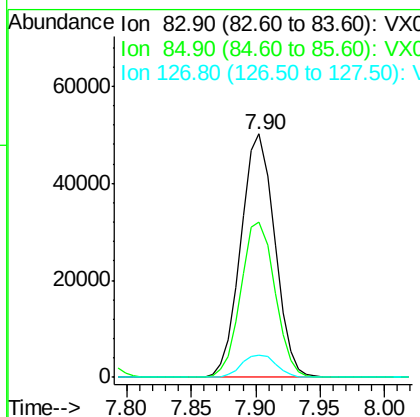
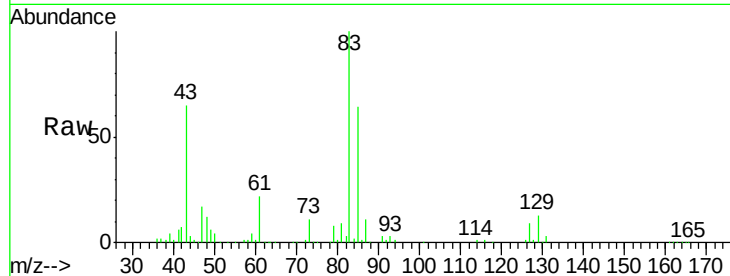
#47
Bromodichloromethane
Concen: 19.80 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	83	Resp	91472
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.3	75.5
127	9.3	7.0	10.4

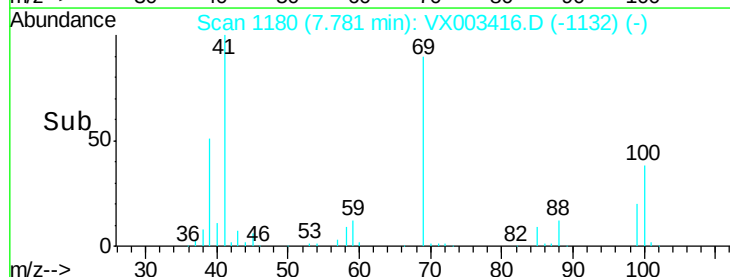
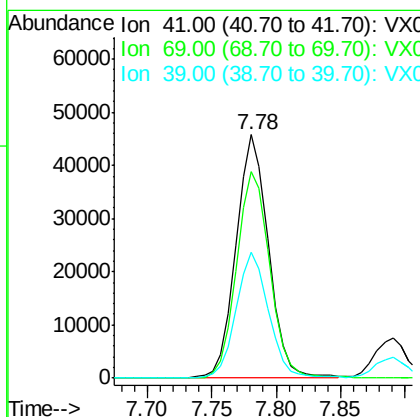
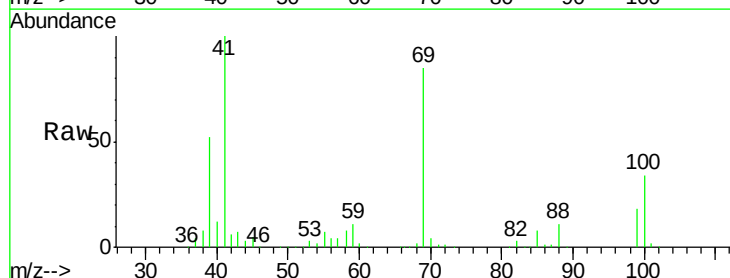
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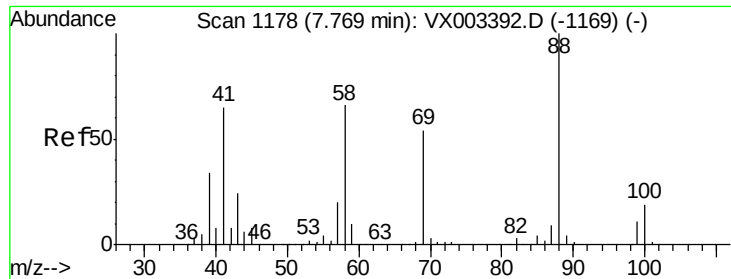
MMDadoda
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#48
Methyl methacrylate
Concen: 19.11 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	41	Resp	79387
Ion Ratio	Lower	Upper	
41	100		
69	87.9	59.1	88.7
39	52.7	48.9	73.3





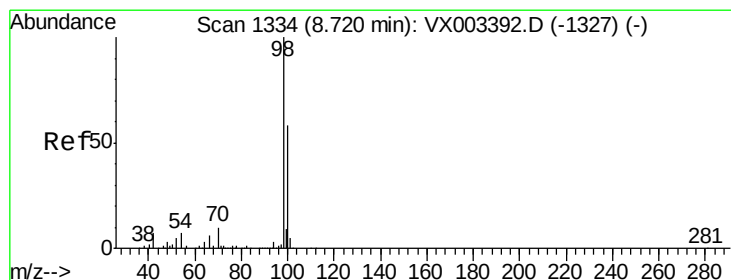
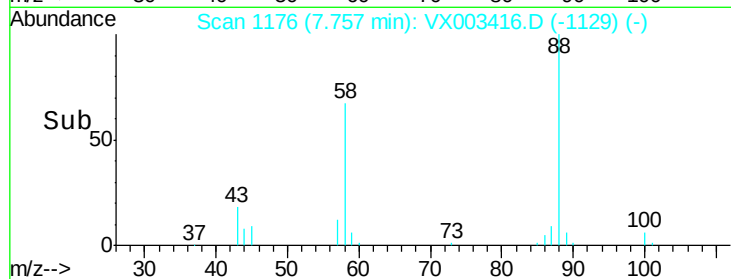
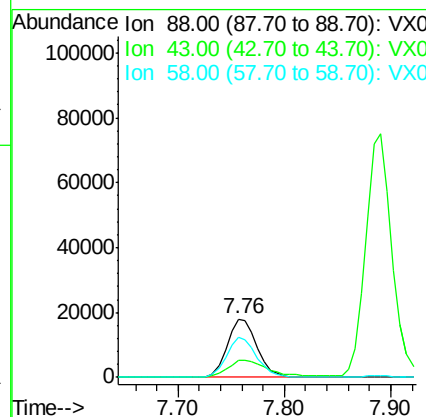
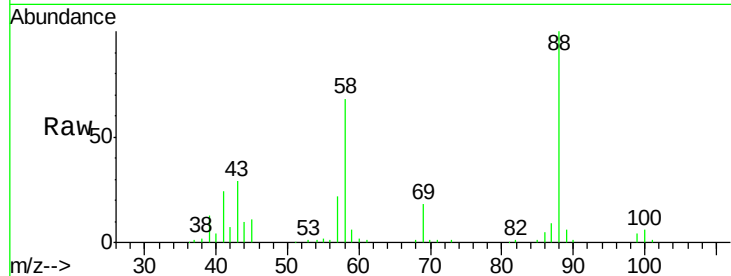
#49
1,4-Dioxane
Concen: 368.92 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	29.8	44.6
58	70.3	57.1	85.7

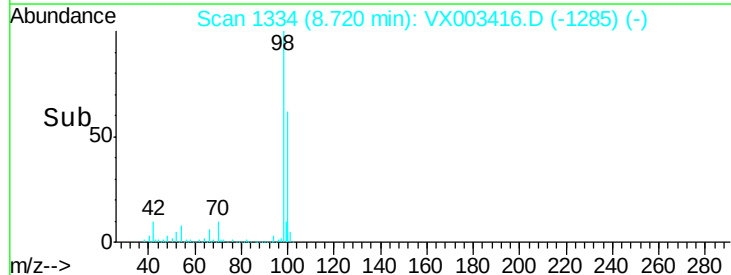
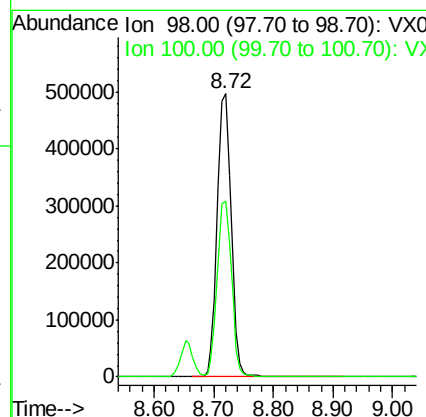
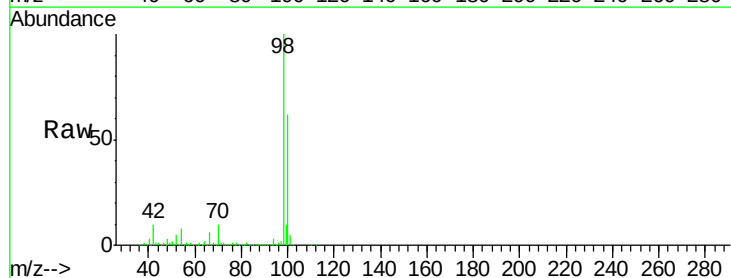
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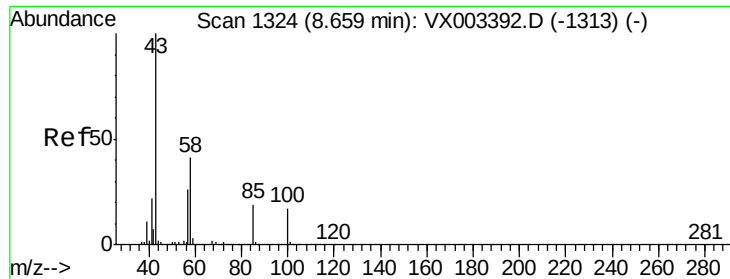
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#50
Toluene-d8
Concen: 56.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





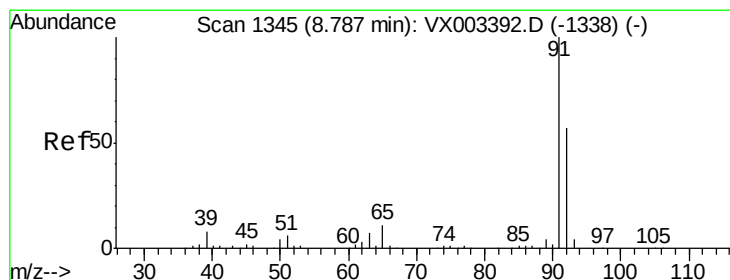
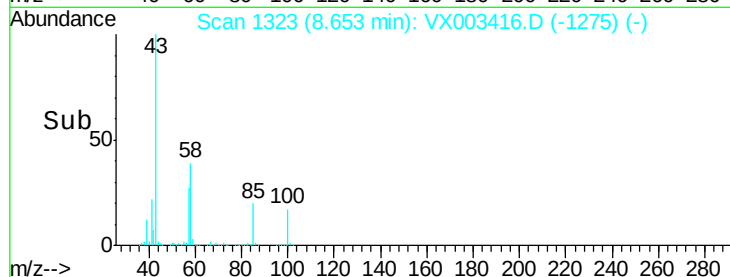
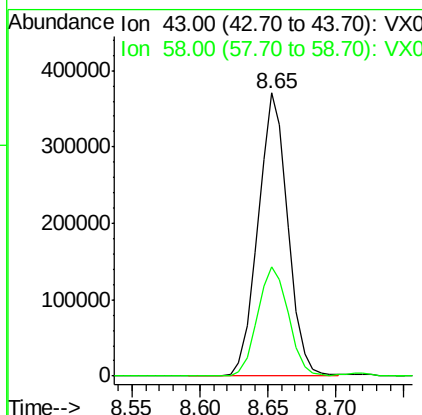
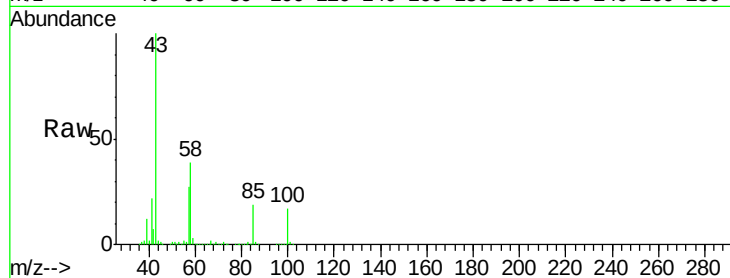
#51
 4-Methyl-2-Pentanone
 Concen: 106.32 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	28.6	42.8

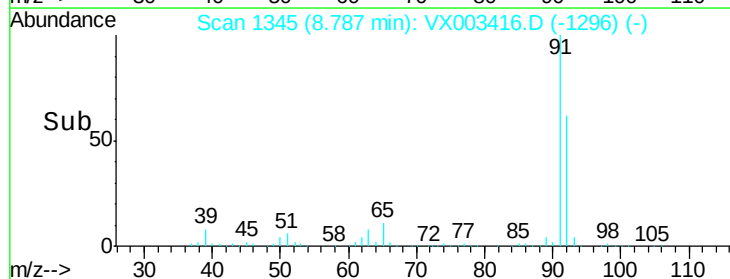
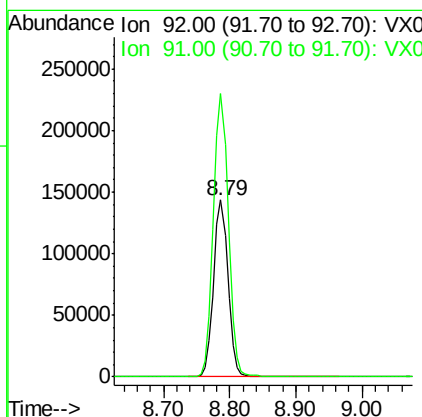
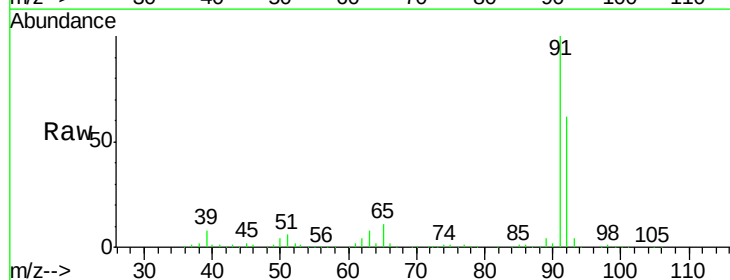
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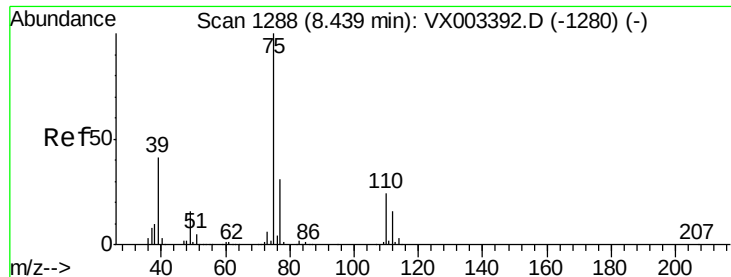
MMDadoda
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#52
 Toluene
 Concen: 23.79 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.5	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 22.00 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 75 Resp: 120024

Ion Ratio Lower Upper

75 100

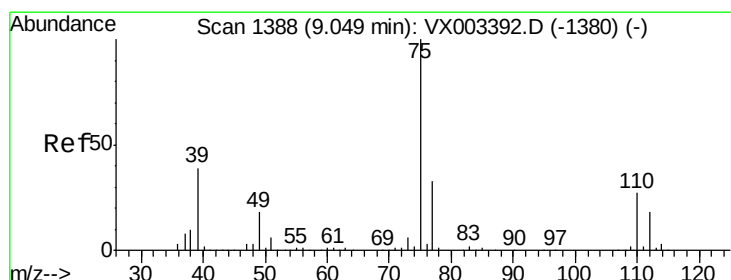
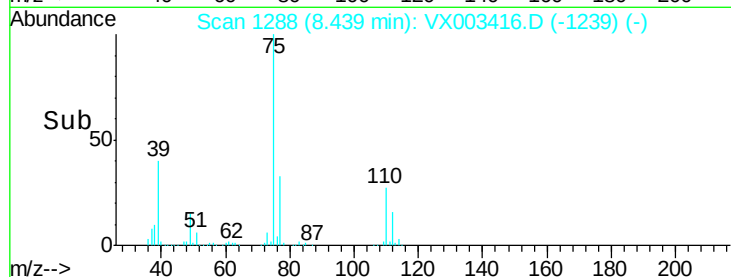
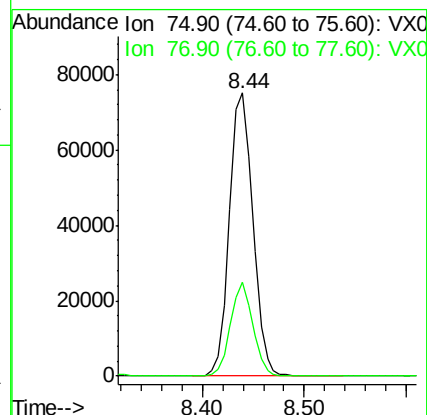
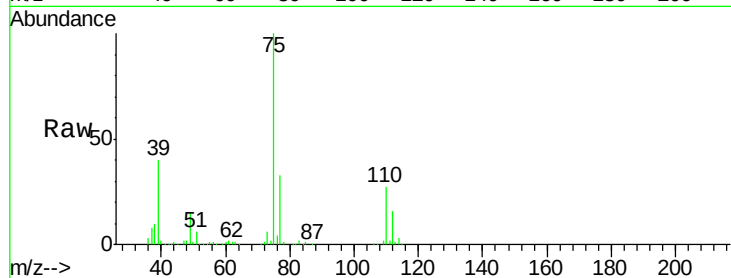
77 33.0 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.60 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

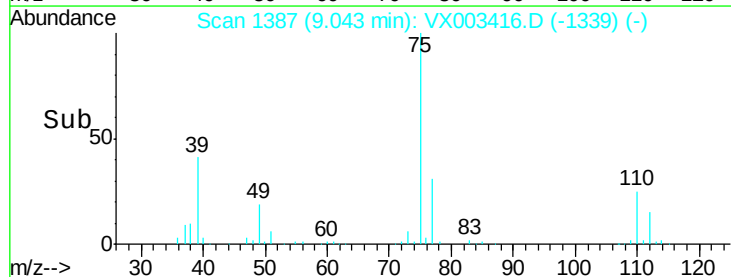
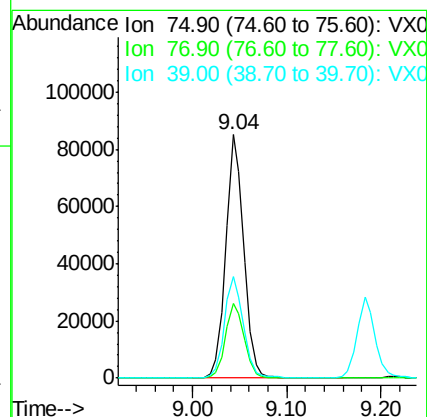
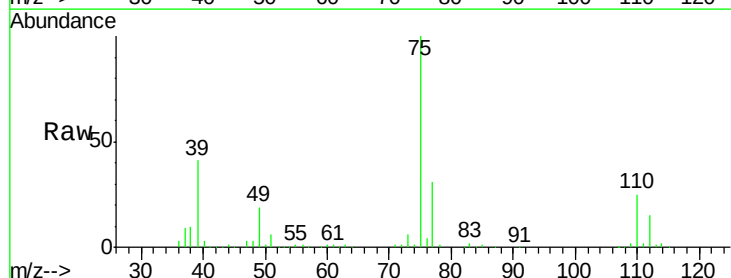
Tgt Ion: 75 Resp: 112493

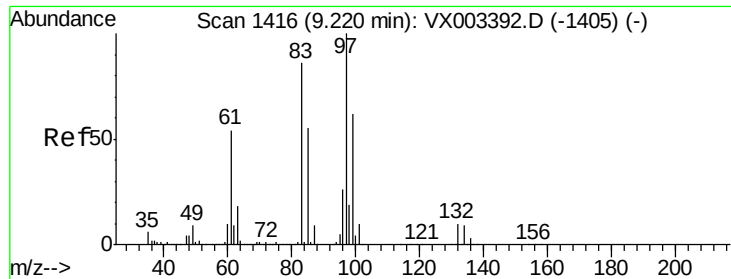
Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

39 41.3 42.4 63.6#





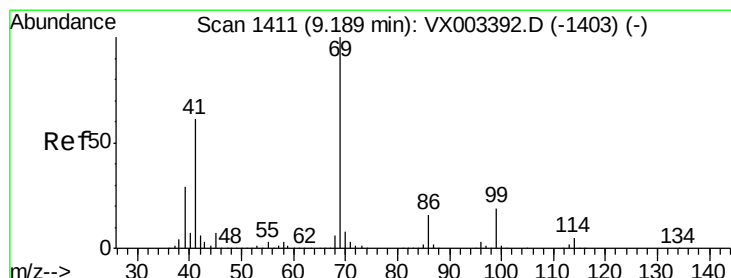
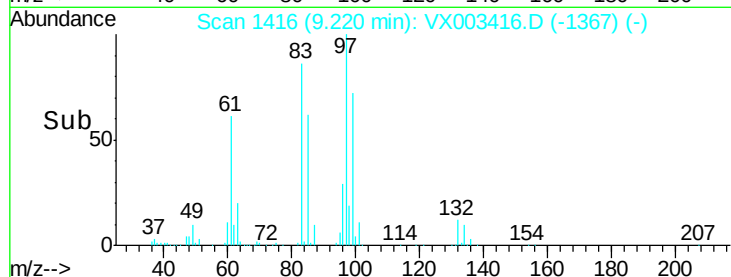
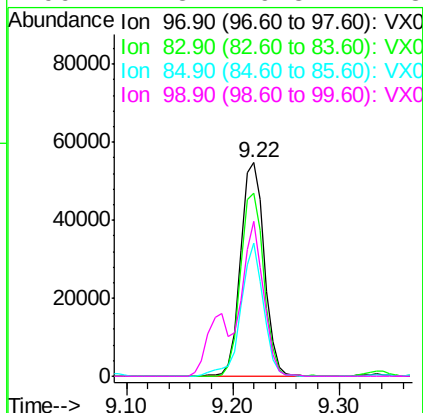
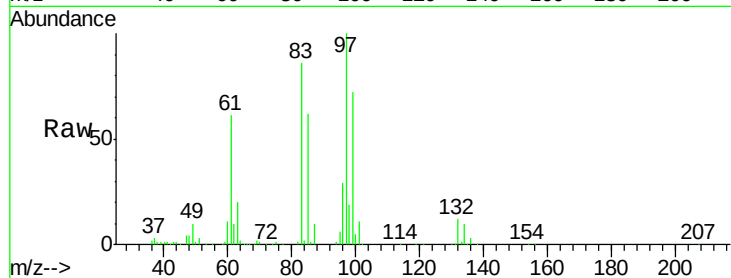
#55
 1,1,2-Trichloroethane
 Concen: 22.51 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.8	70.2	105.2	
85	62.2	44.9	67.3	
99	72.3	49.8	74.8	

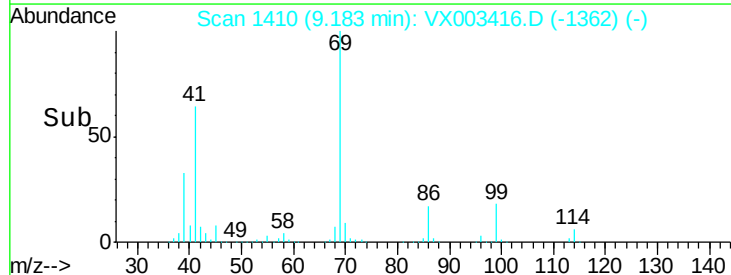
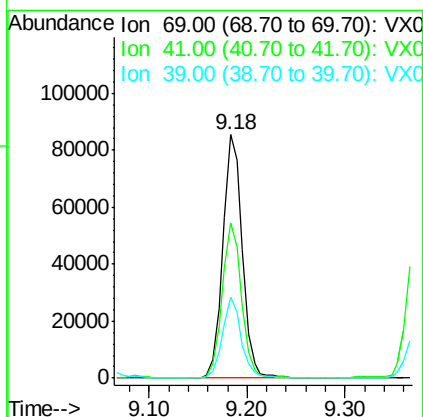
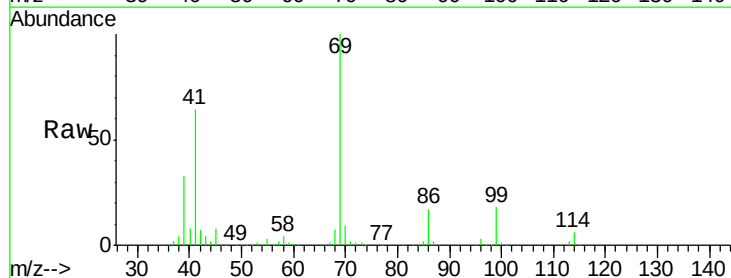
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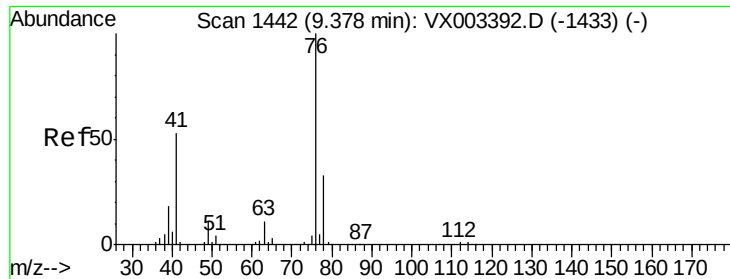
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#56
 Ethyl methacrylate
 Concen: 21.86 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.4	60.3	90.5	
39	32.1	35.8	53.8#	





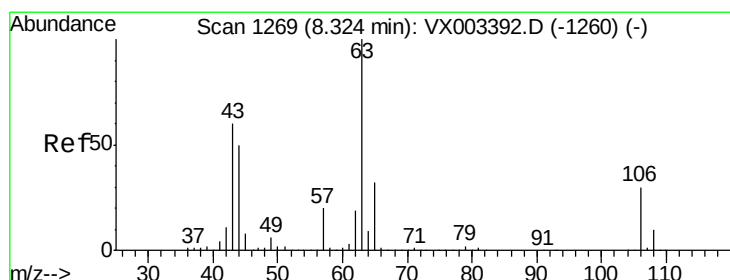
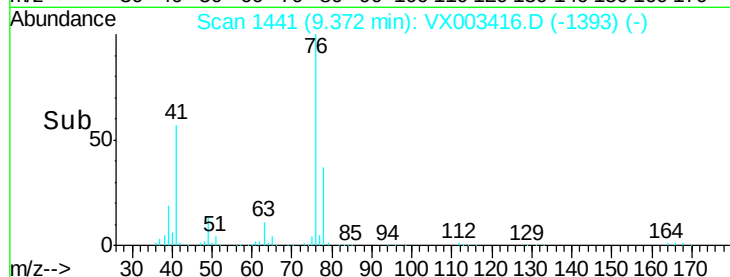
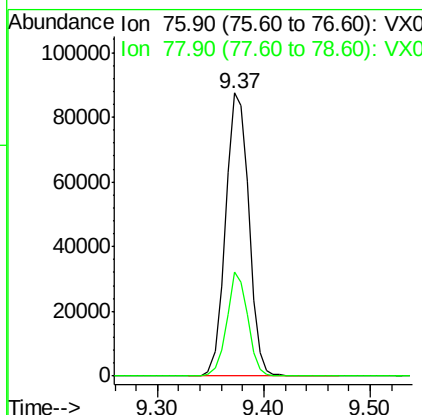
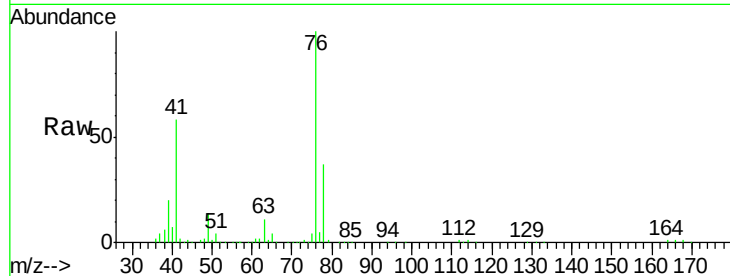
#57
 1,3-Dichloropropane
 Concen: 21.92 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion: 76 Resp: 134172
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.6

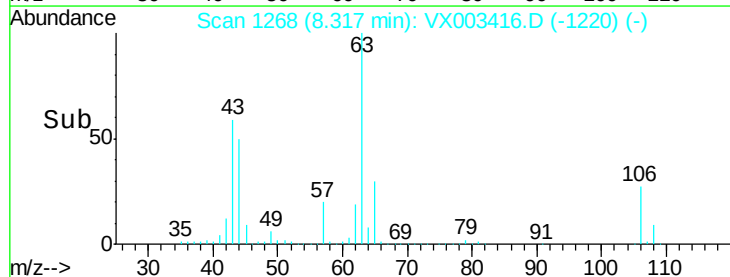
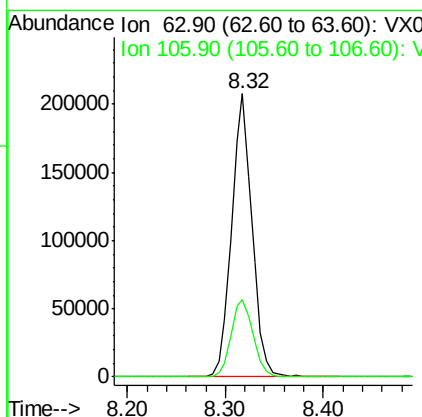
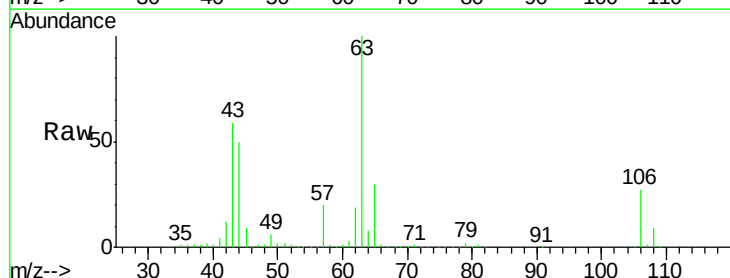
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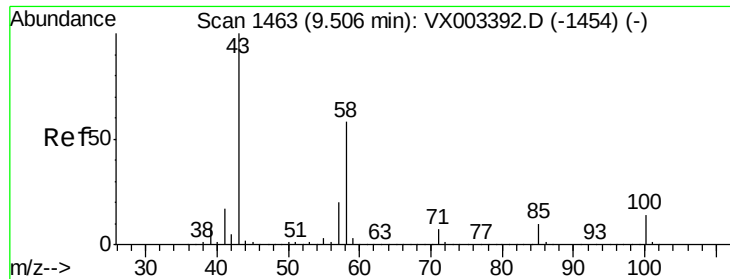
MMDadoda
 7/18/2018 12:58:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.90 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion: 63 Resp: 299974
 Ion Ratio Lower Upper
 63 100
 106 29.3 21.8 32.8





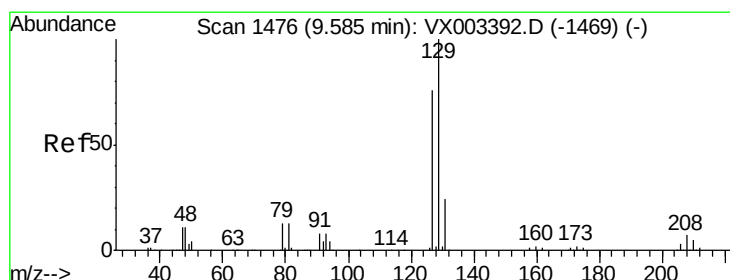
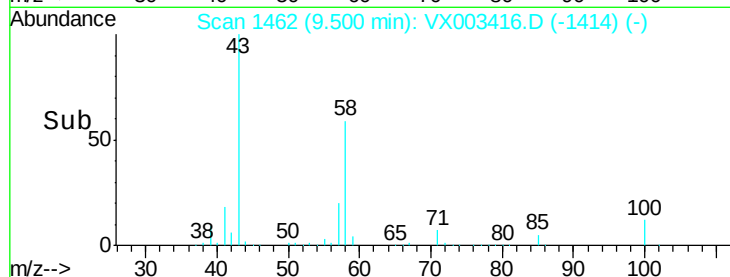
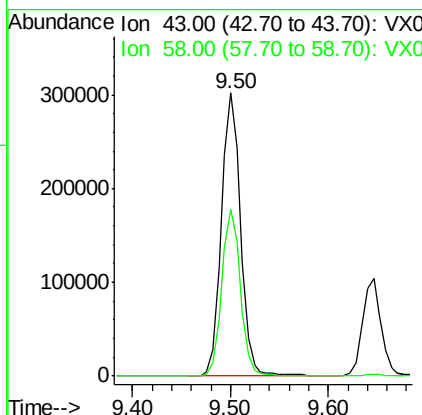
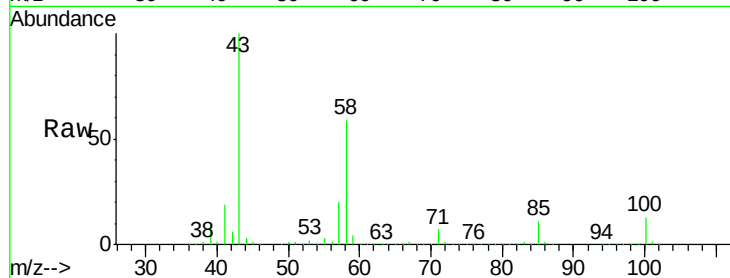
#59
2-Hexanone
Concen: 99.76 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion: 43 Resp: 410739
Ion Ratio Lower Upper
43 100
58 57.3 24.6 73.6

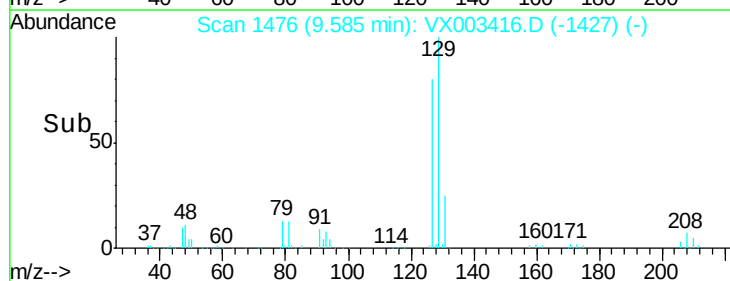
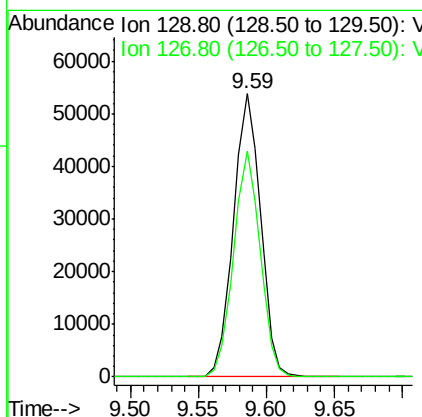
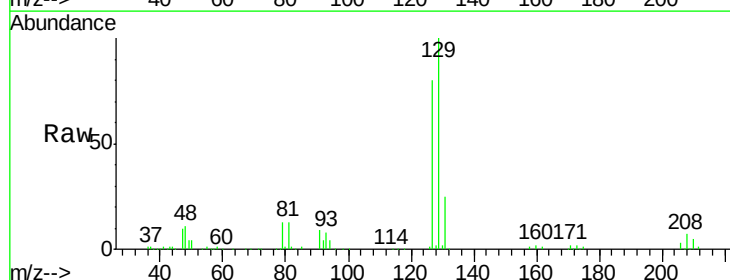
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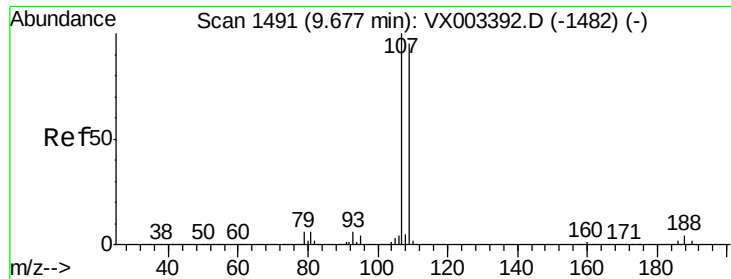
MMDadoda
7/18/2018 12:58:22 PM



#60
Dibromochloromethane
Concen: 19.79 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion: 129 Resp: 74913
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.89 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion:107 Resp: 78107

Ion Ratio Lower Upper

107 100

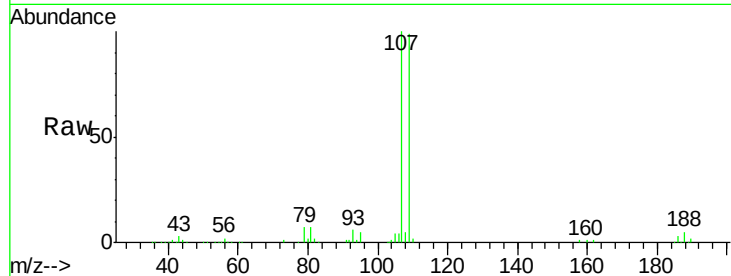
109 96.0 75.3 112.9

Manual Integrations

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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

60000

50000

40000

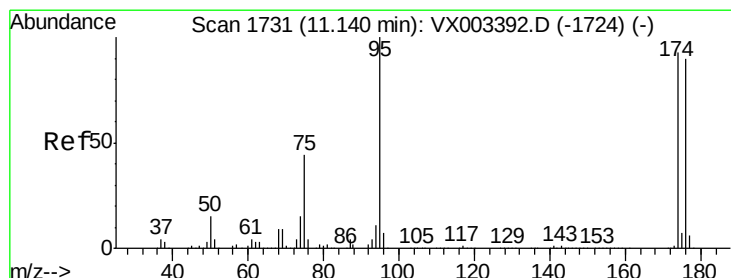
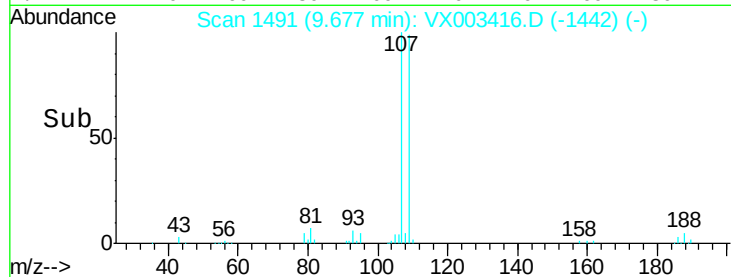
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

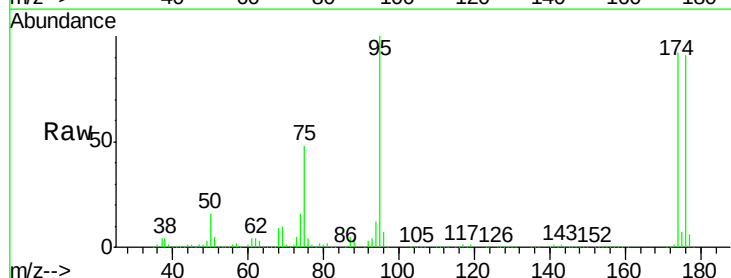
Tgt Ion: 95 Resp: 276960

Ion Ratio Lower Upper

95 100

174 92.5 0.0 187.4

176 93.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

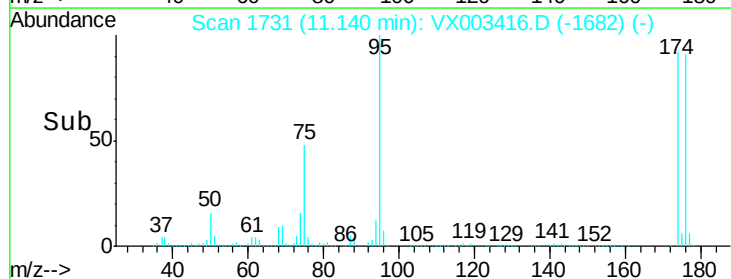
150000

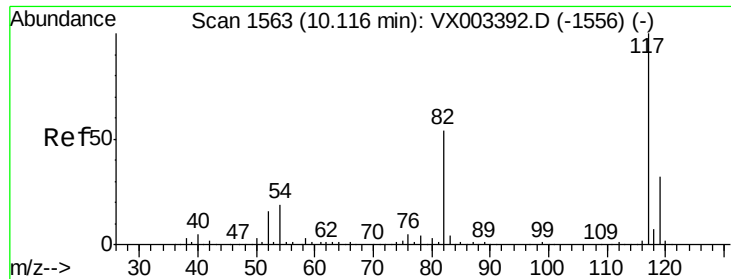
100000

50000

0

Time-->





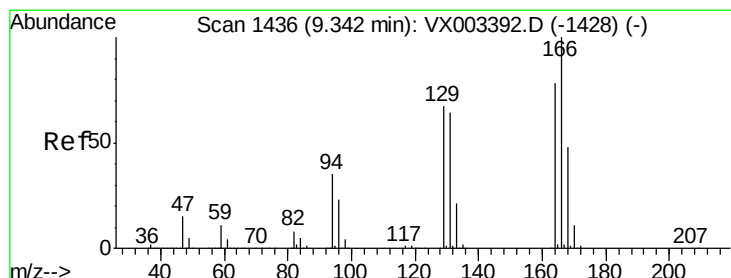
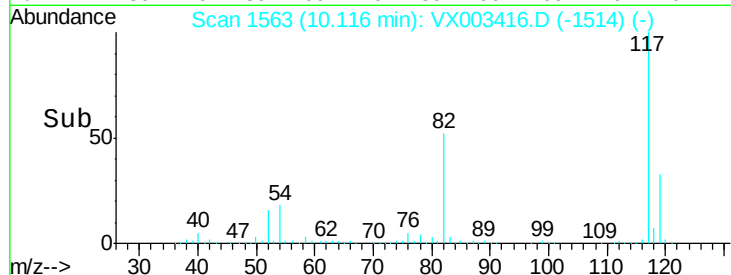
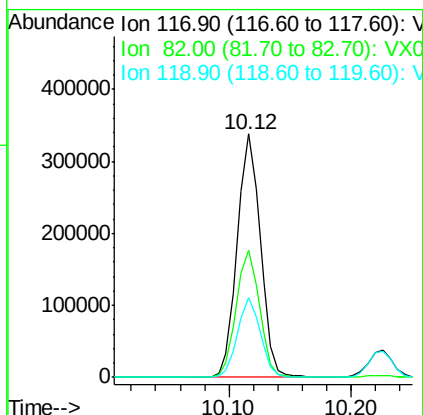
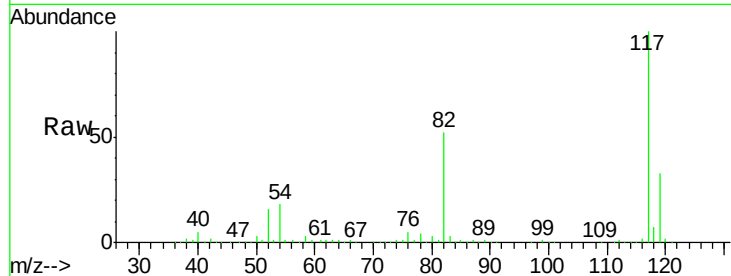
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	45.0	67.4
119	32.5	25.8	38.6

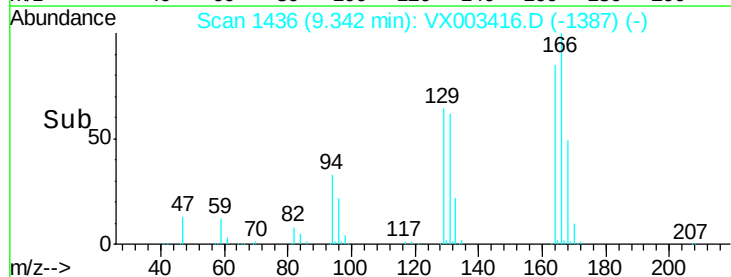
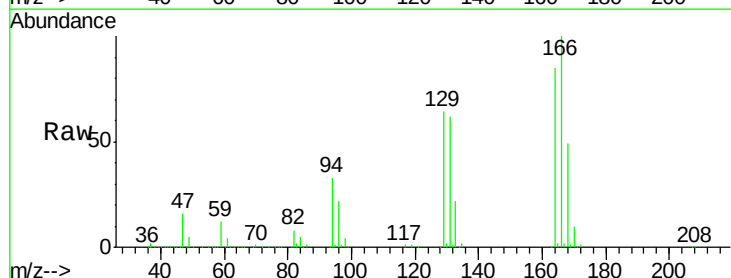
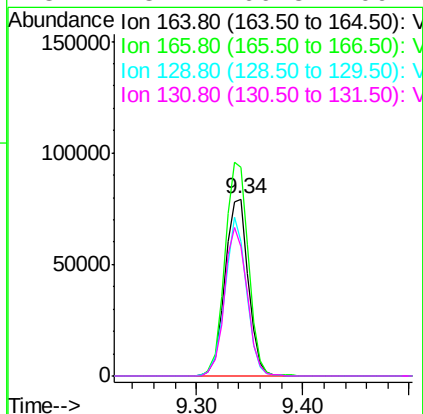
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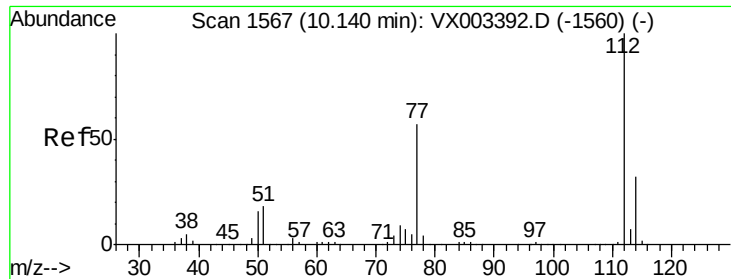
MMDadoda
7/18/2018 12:58:22 PM



#64
Tetrachloroethene
Concen: 26.24 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.1	102.9	154.3
129	75.8	68.6	102.8
131	73.1	66.8	100.2





#65

Chlorobenzene

Concen: 20.56 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion:112 Resp: 214900

Ion Ratio Lower Upper

112 100

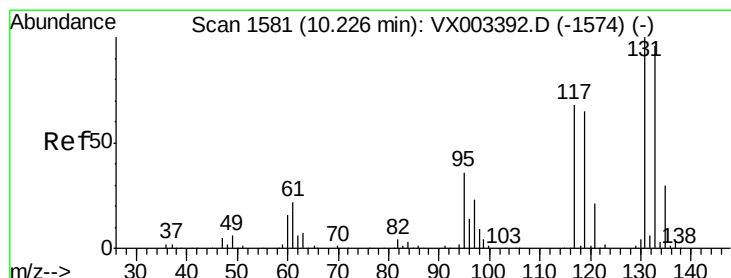
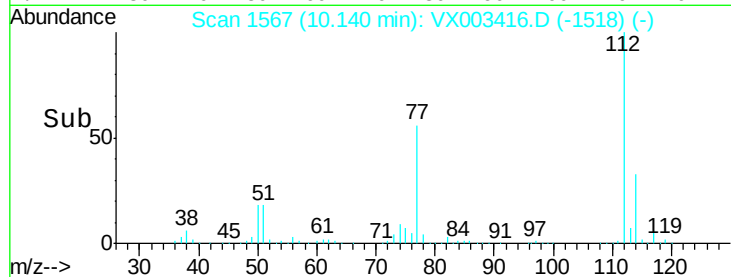
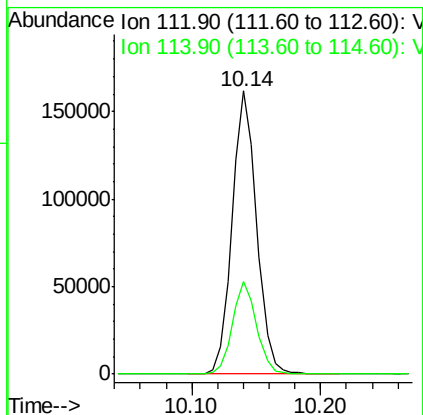
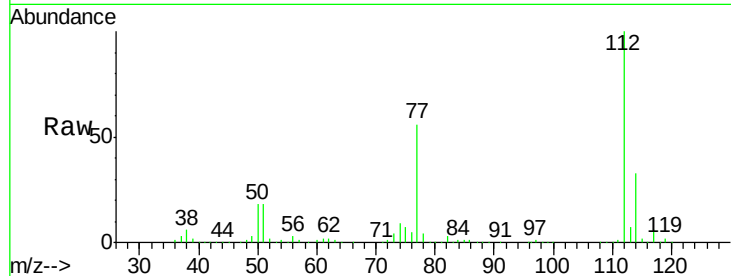
114 32.7 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.60 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

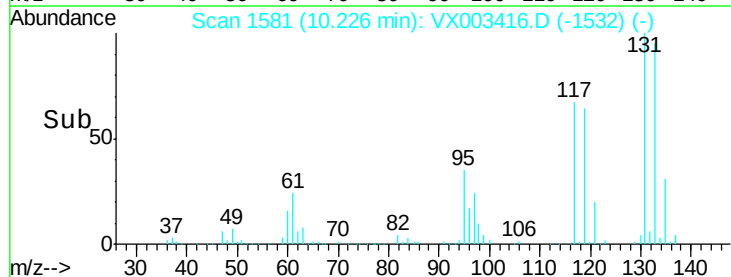
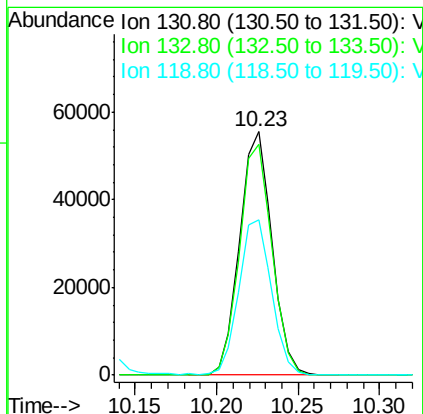
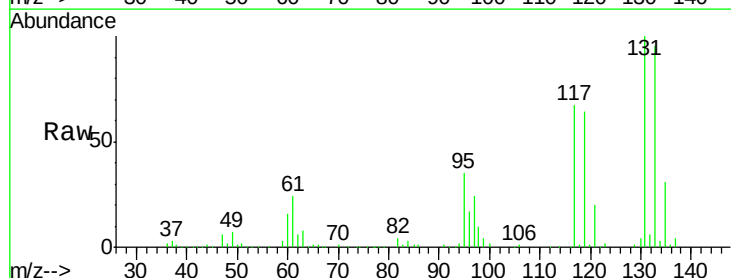
Tgt Ion:131 Resp: 76532

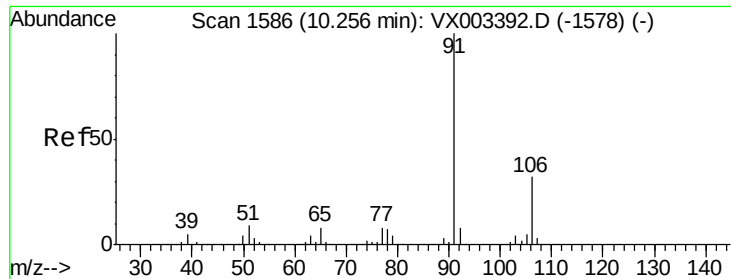
Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.6

119 65.0 31.8 95.3





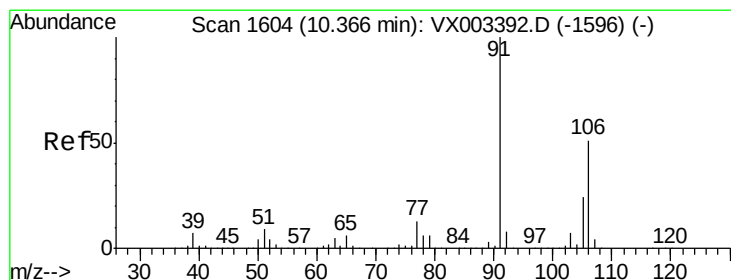
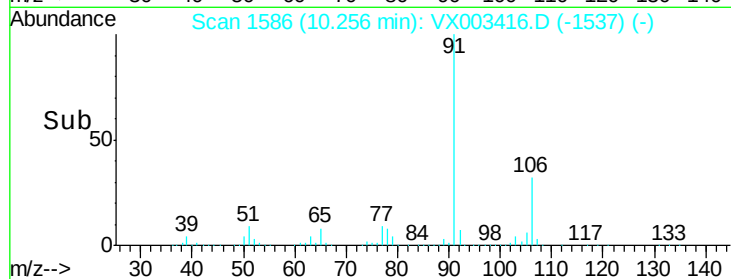
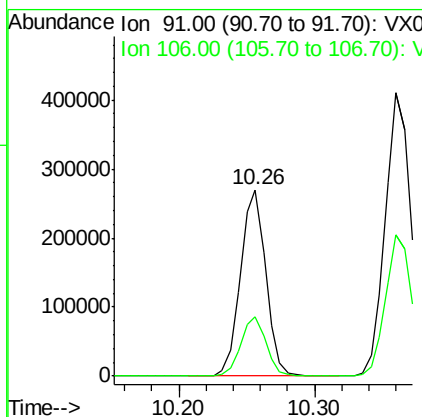
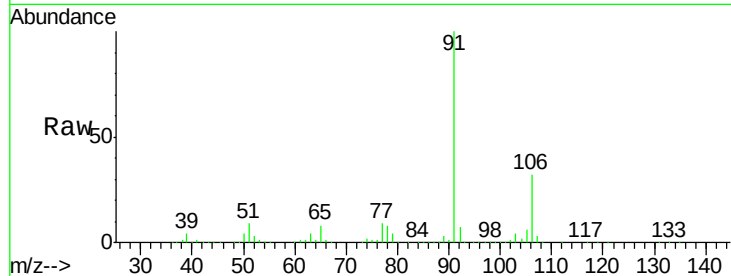
#67
Ethyl Benzene
Concen: 20.53 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion: 91 Resp: 350732
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

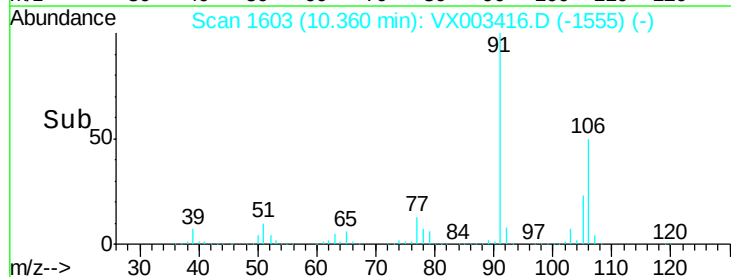
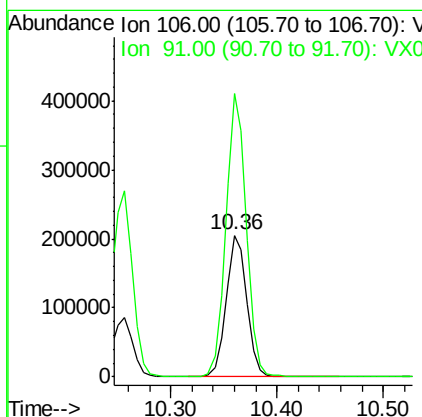
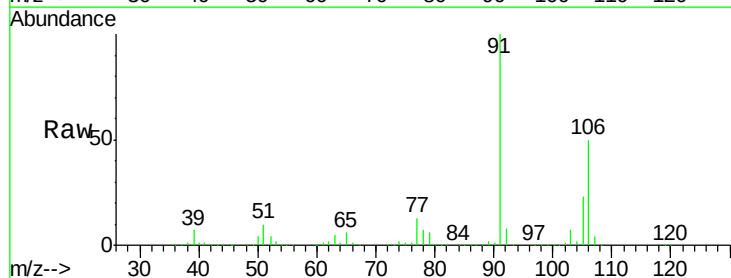
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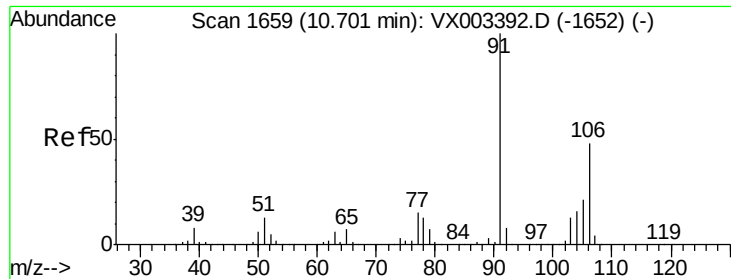
MMDadoda
7/18/2018 12:58:22 PM



#68
m/p-Xylenes
Concen: 41.88 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion: 106 Resp: 276710
Ion Ratio Lower Upper
106 100
91 198.8 163.4 245.2





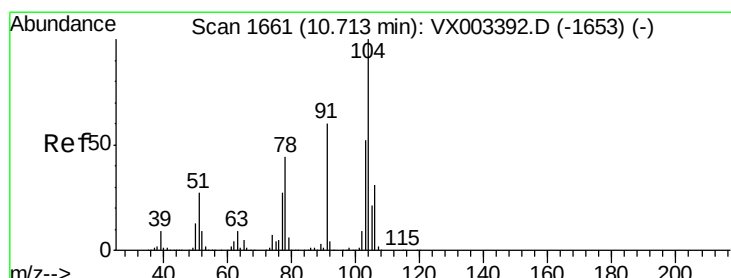
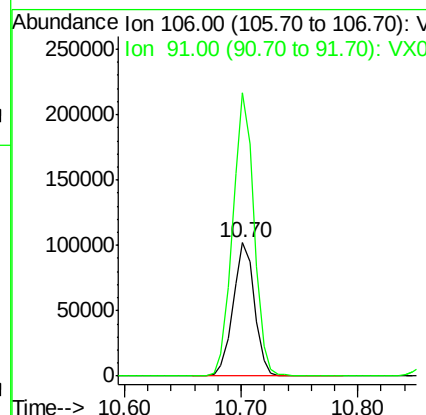
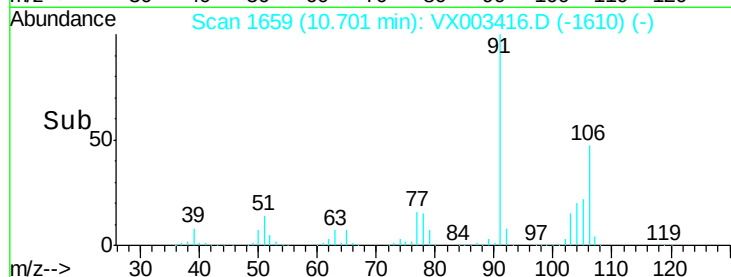
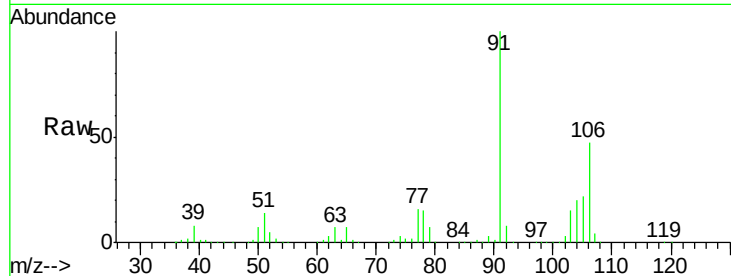
#69
o-Xylene
Concen: 20.65 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion:106 Resp: 131083
Ion Ratio Lower Upper
106 100
91 210.8 108.2 324.6

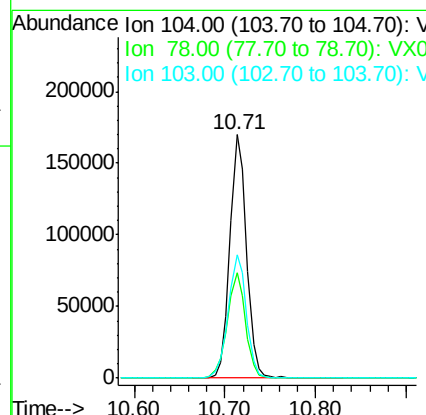
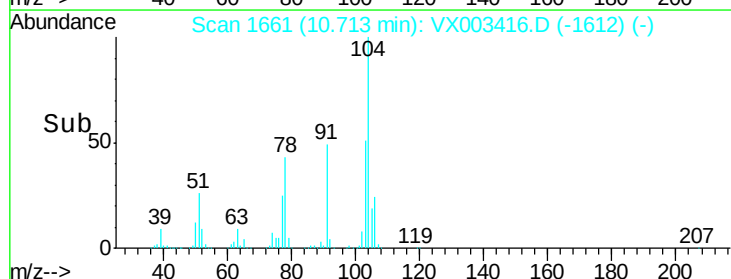
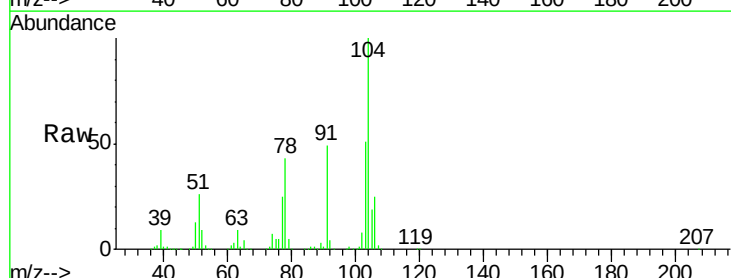
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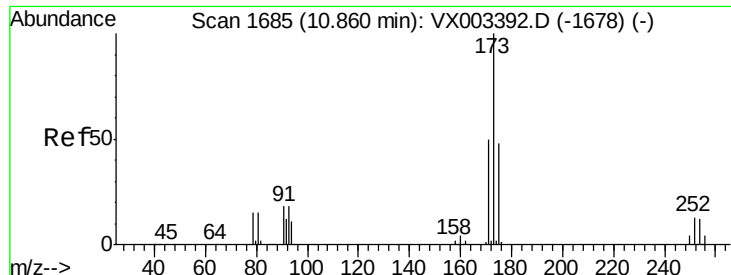
MMDadoda
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#70
Styrene
Concen: 20.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion:104 Resp: 217984
Ion Ratio Lower Upper
104 100
78 47.5 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 19.09 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion:173 Resp: 57059

Ion Ratio Lower Upper

173 100

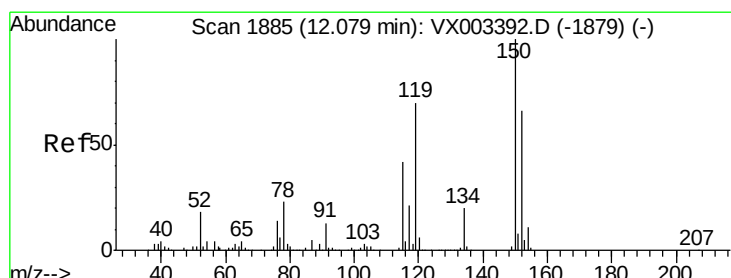
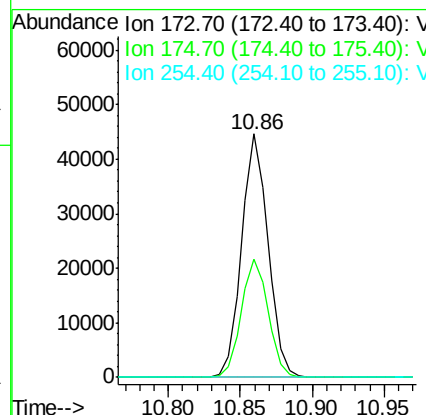
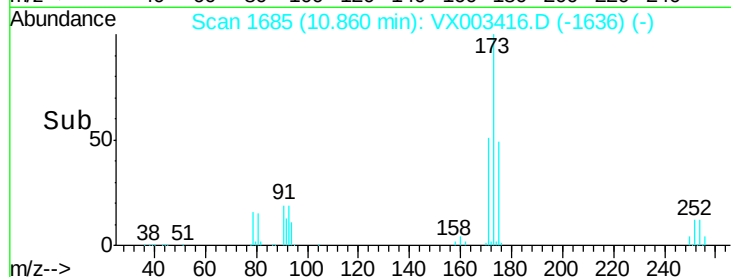
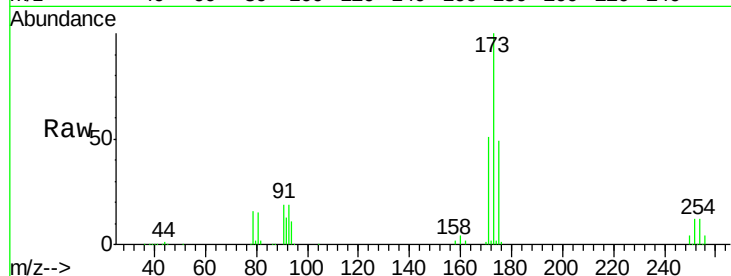
175 49.4 24.7 74.1

254 0.2 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

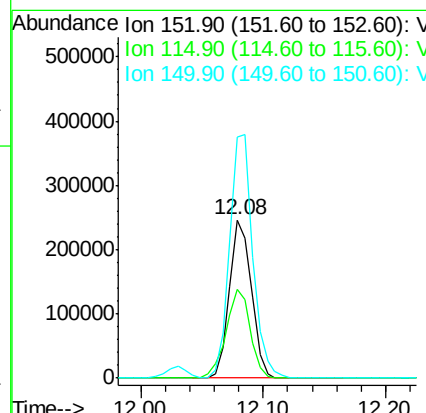
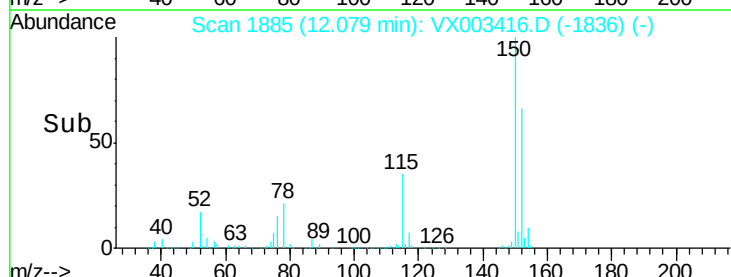
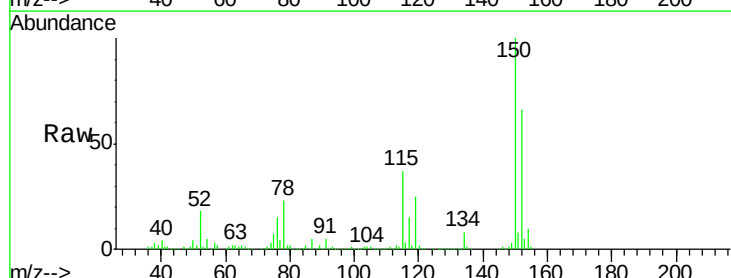
Tgt Ion:152 Resp: 304928

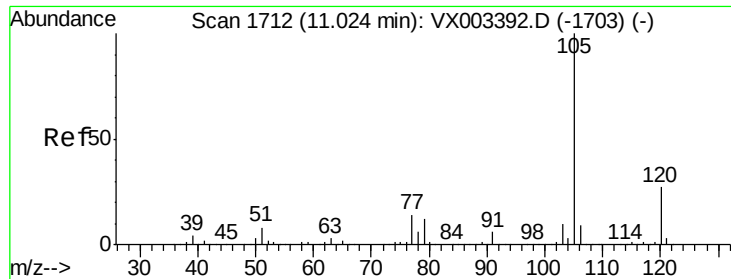
Ion Ratio Lower Upper

152 100

115 62.3 40.1 120.2

150 162.8 0.0 347.2





#73

Isopropylbenzene

Concen: 18.38 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion:105 Resp: 358893

Ion Ratio Lower Upper

105 100

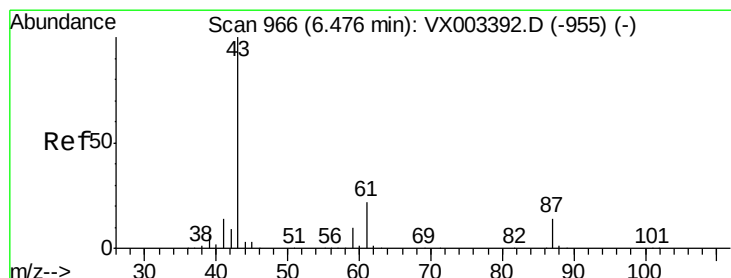
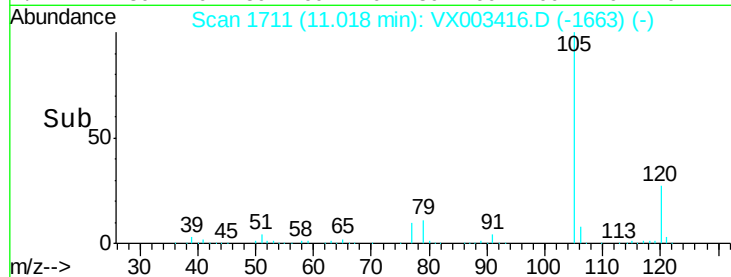
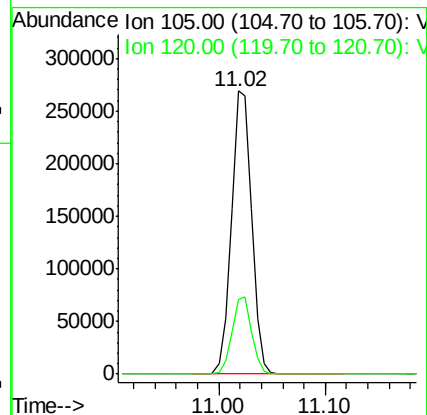
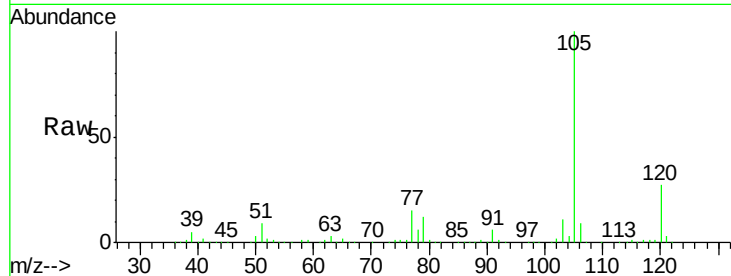
120 26.7 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.10 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Tgt Ion: 43 Resp: 151216

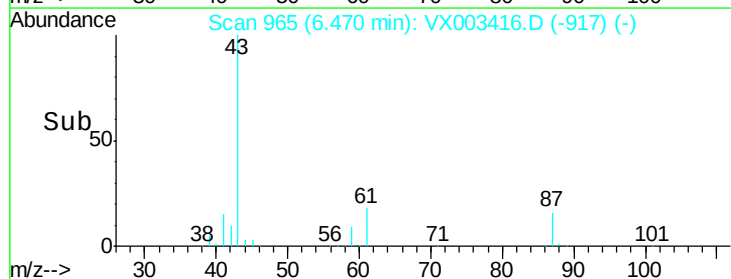
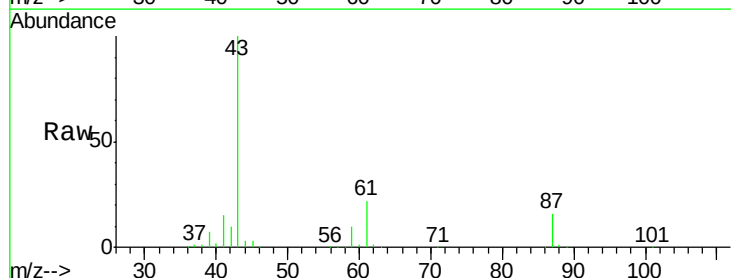
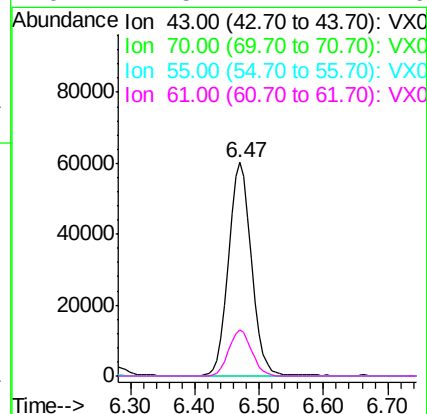
Ion Ratio Lower Upper

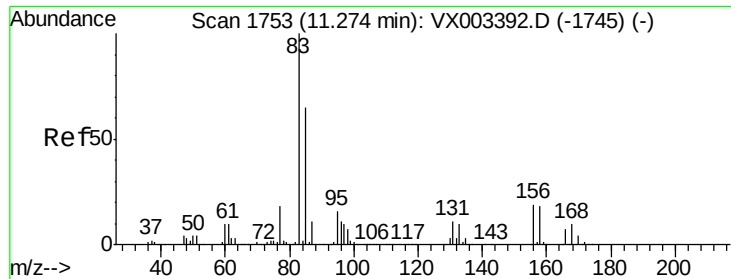
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

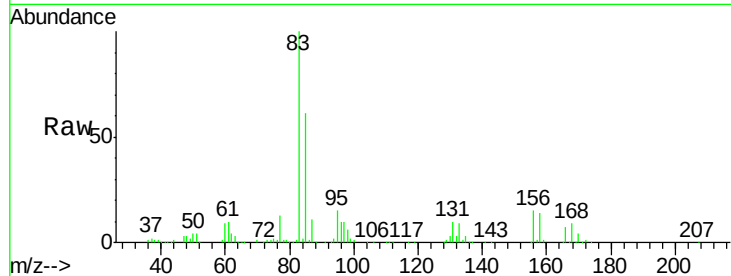
ClientSampleId :

VX0717WBS01

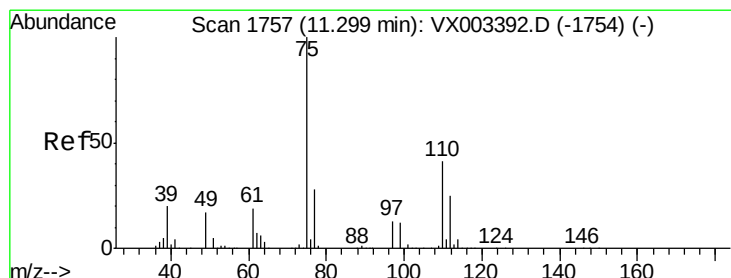
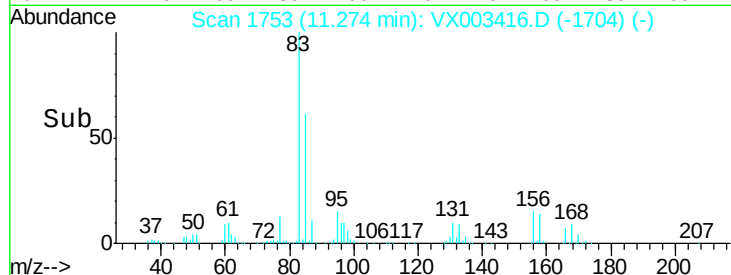
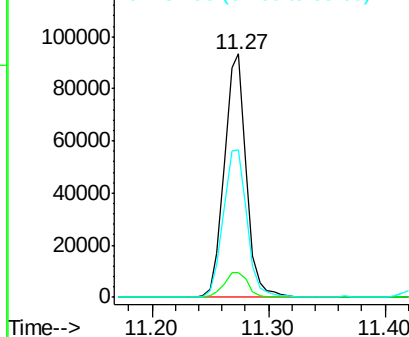
Tot Ion:	83	Resp:	120916
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	65.6	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 19.82 ug/l m

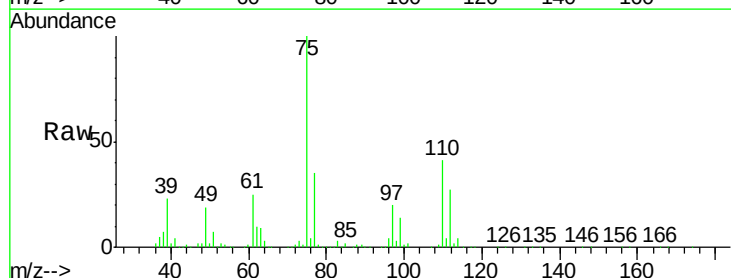
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

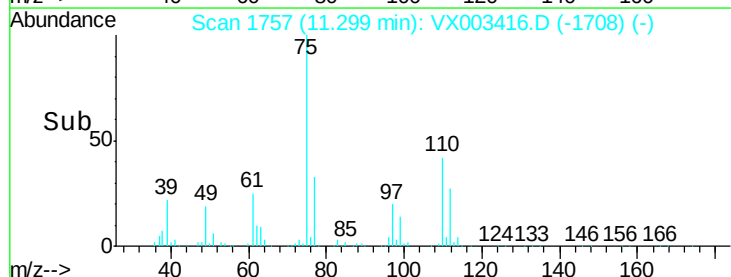
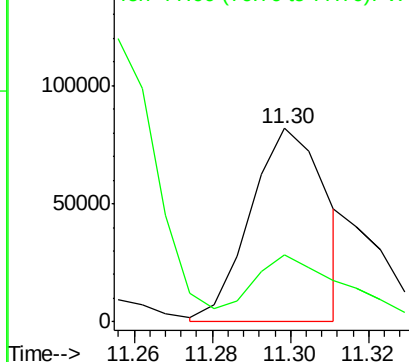
Lab File: VX003416.D

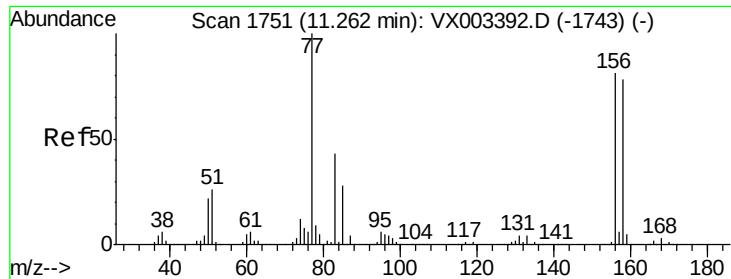
Acq: 17 Jul 2018 09:47

Tgt Ion:	75	Resp:	109434
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.8	68.3



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





#77

Bromobenzene

Concen: 20.51 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

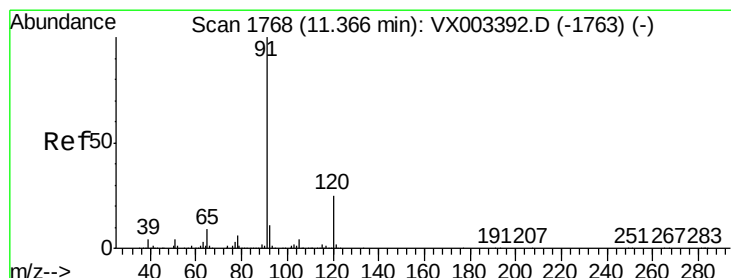
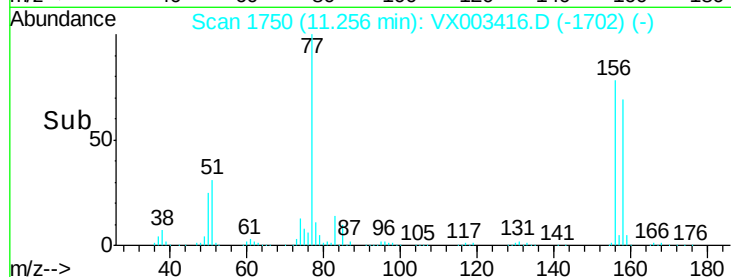
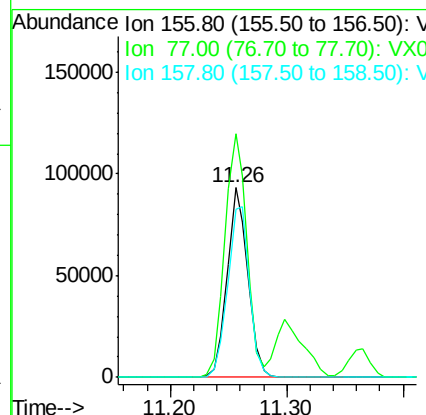
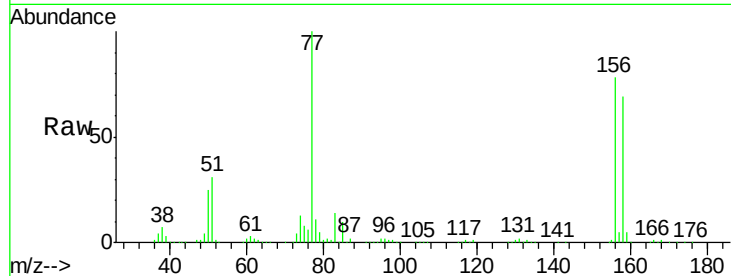
ClientSampleId :

VX0717WBS01

Tot Ion:	156	Resp:	113714
Ion Ratio	Lower	Upper	
156	100		
77	136.5	71.4	214.2
158	95.4	48.9	146.6

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#78

n-propylbenzene

Concen: 21.28 ug/l

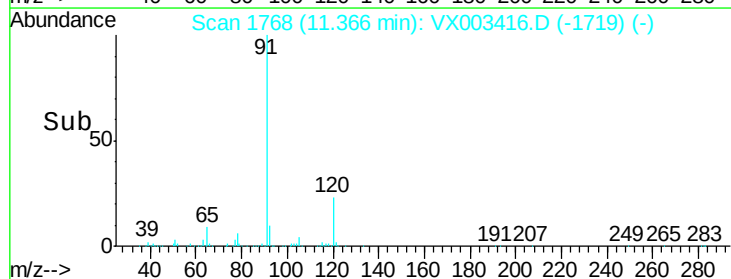
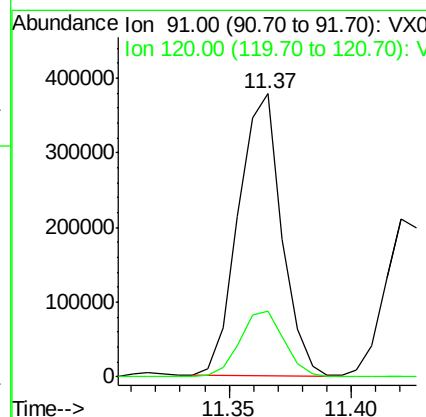
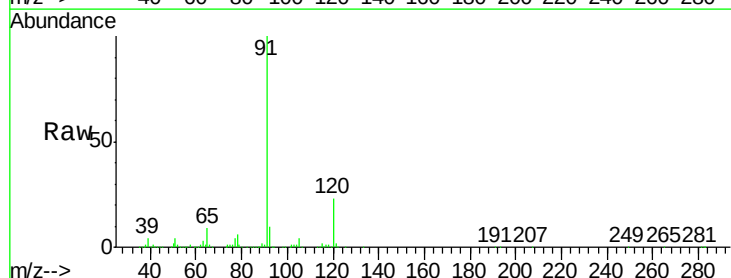
RT: 11.37 min Scan# 1768

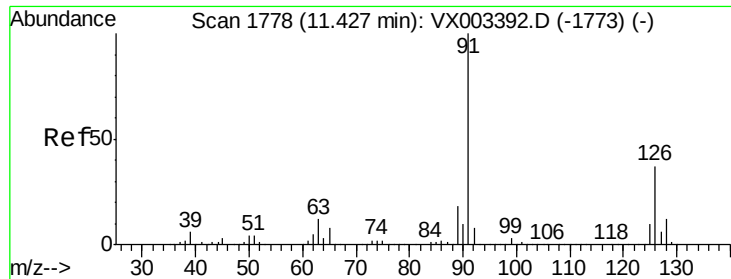
Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Tgt Ion:	91	Resp:	464222
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.68 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion: 91 Resp: 276592

Ion Ratio Lower Upper

91 100

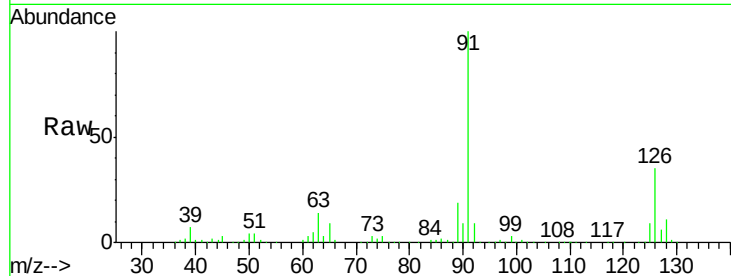
126 36.5 17.7 53.1

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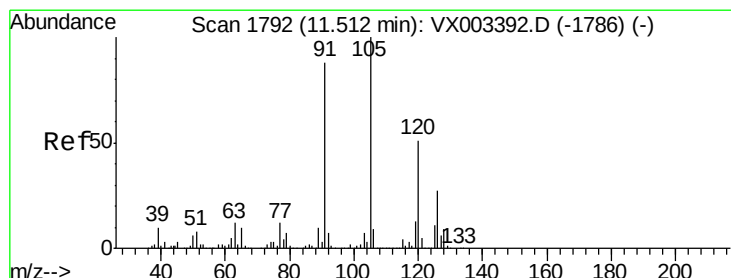
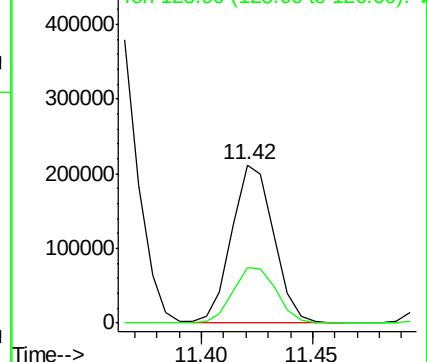
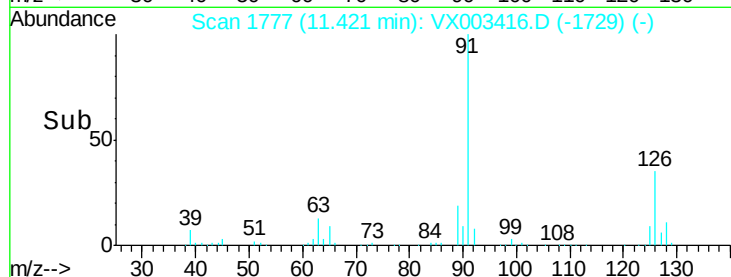
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.12 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003416.D

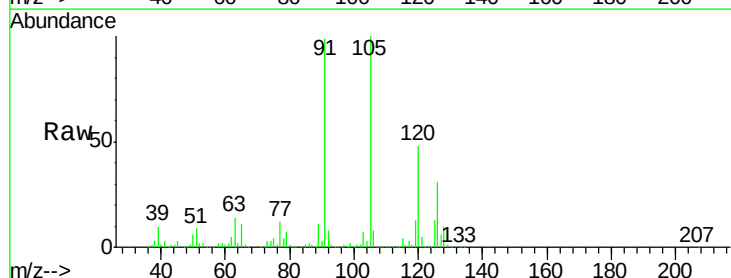
Acq: 17 Jul 2018 09:47

Tgt Ion: 105 Resp: 352866

Ion Ratio Lower Upper

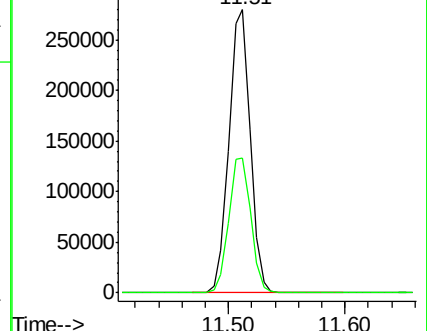
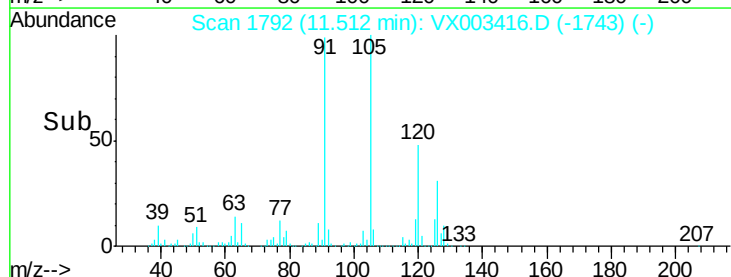
105 100

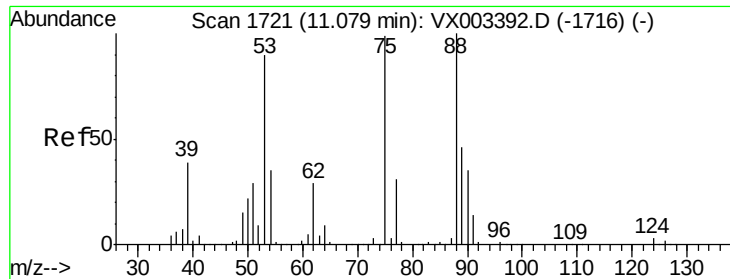
120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





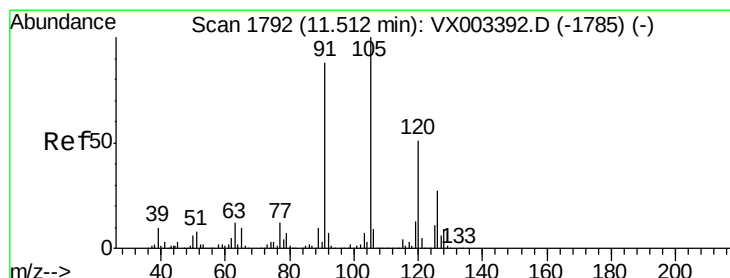
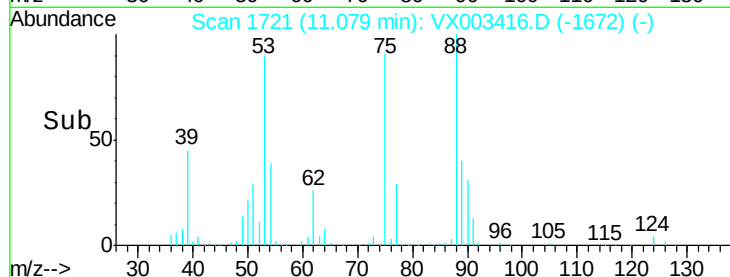
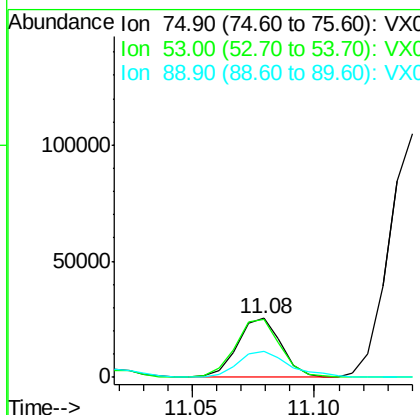
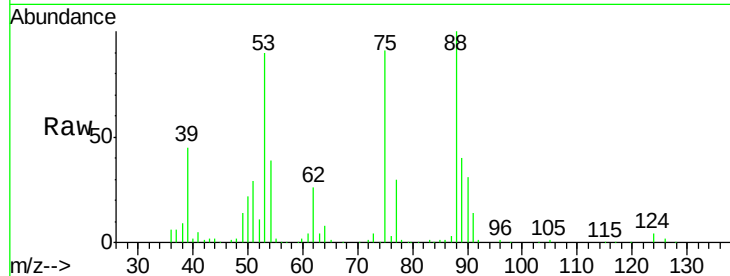
#81
trans-1,4-Dichloro-2-butene
Concen: 18.40 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.4	86.8	130.2
89	53.2	38.2	57.2

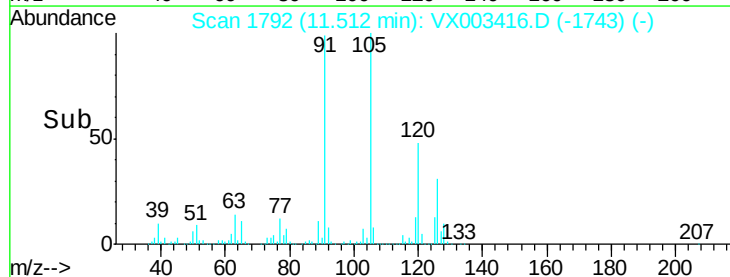
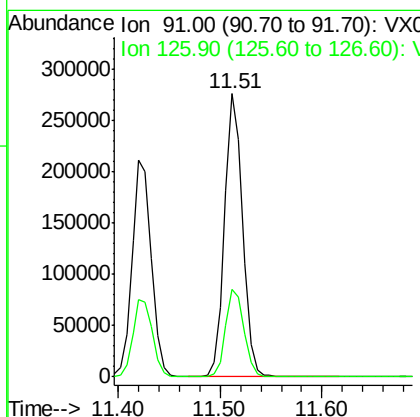
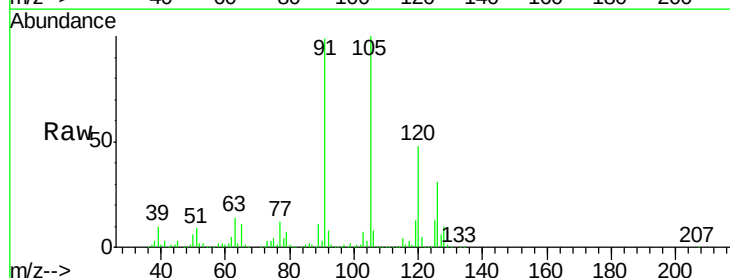
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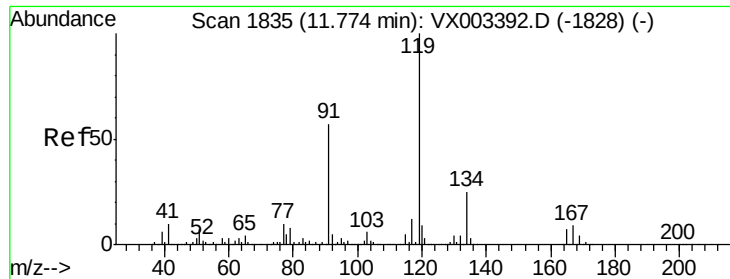
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#82
4-Chlorotoluene
Concen: 21.75 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





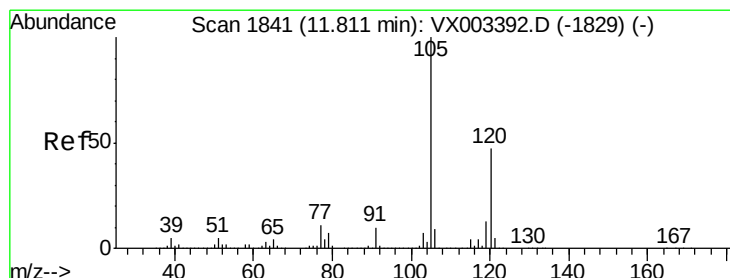
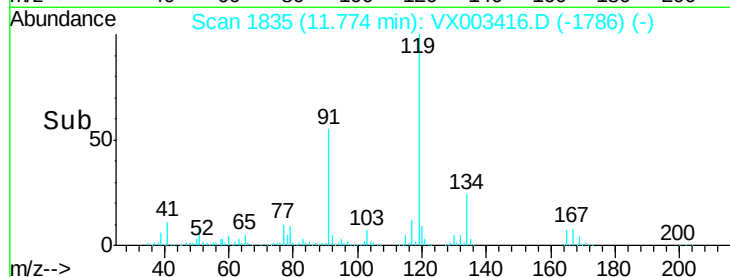
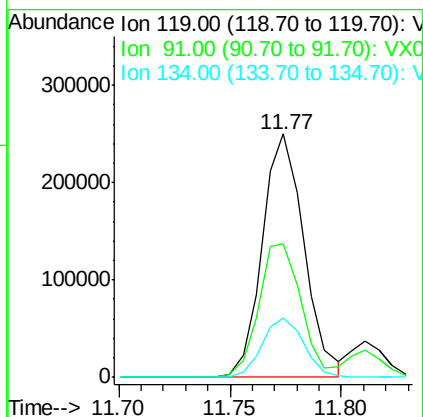
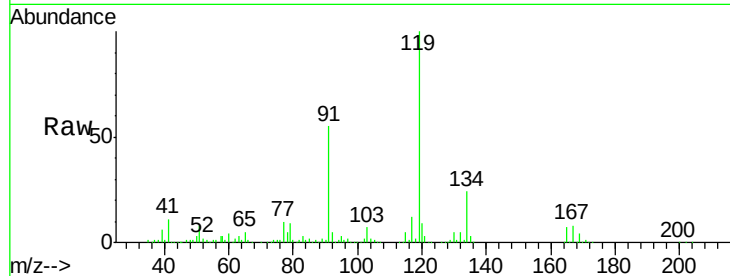
#83
 tert-Butylbenzene
 Concen: 20.93 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	326199		
91	56.7		30.3	90.9
134	24.2		11.7	35.1

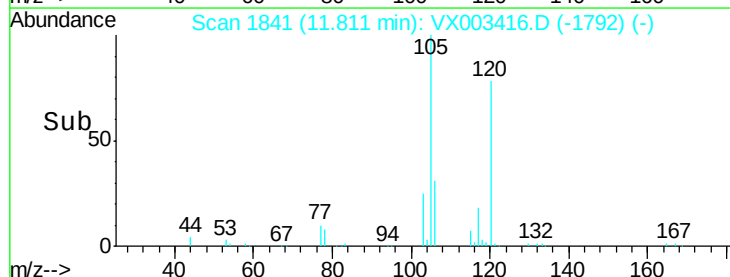
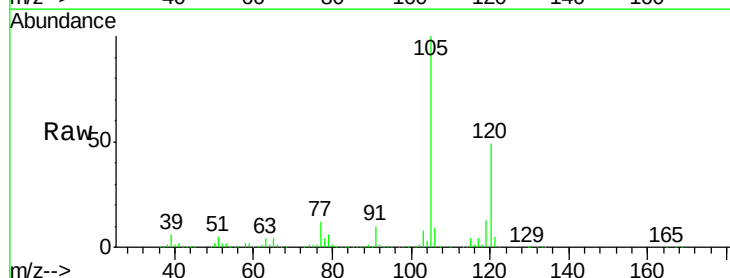
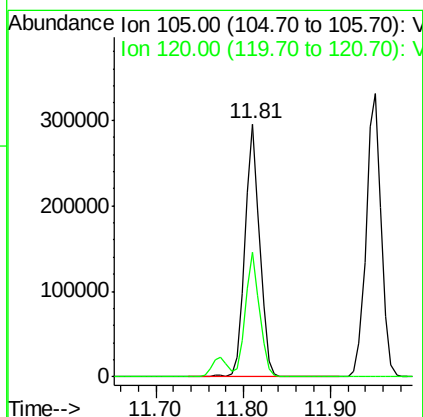
Manual Integrations
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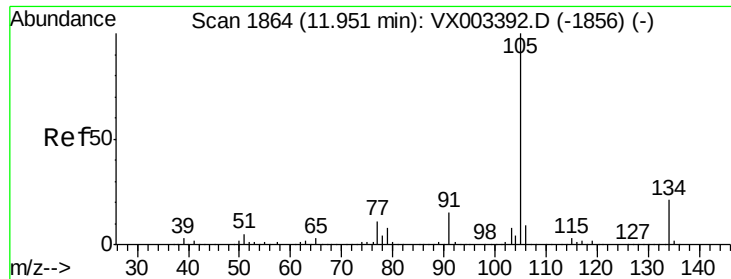
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.10 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345677		
120	47.4		22.3	66.8





#85

sec-Butylbenzene

Concen: 21.09 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBS01

Tot Ion:105 Resp: 398804

Ion Ratio Lower Upper

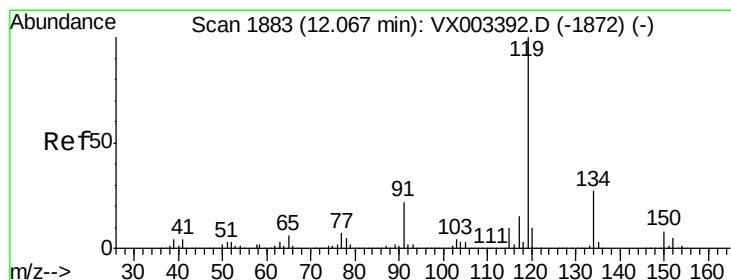
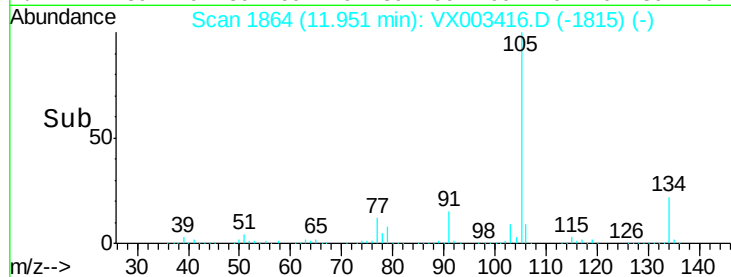
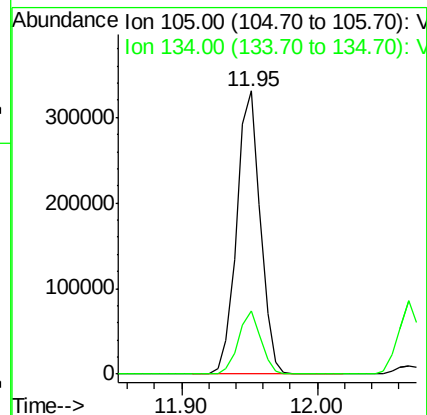
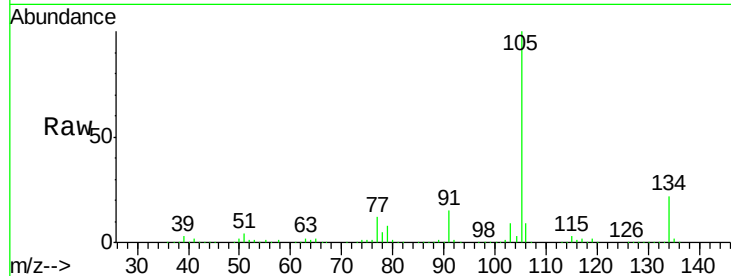
105 100

134 21.3 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 21.65 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

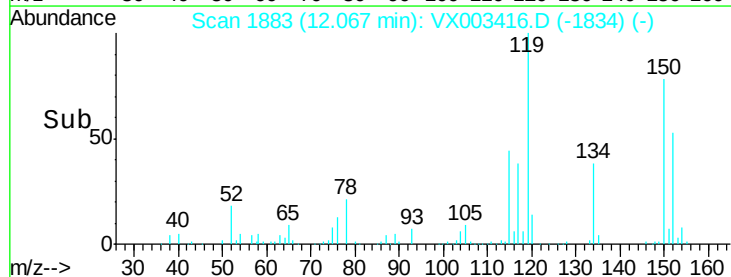
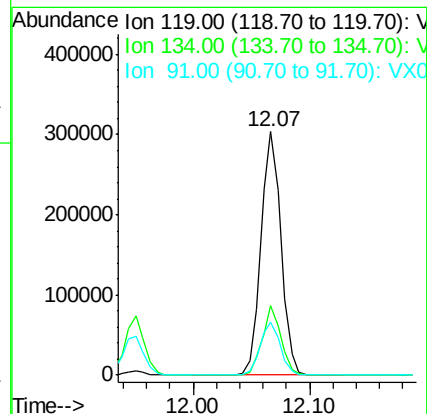
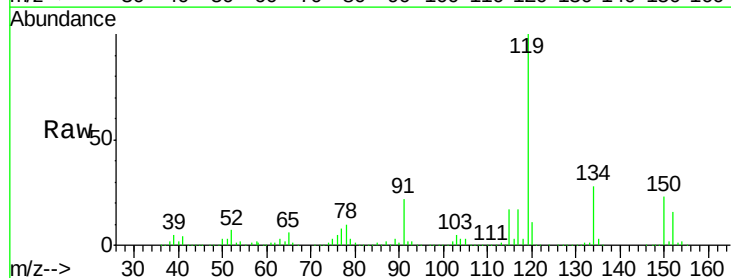
Tgt Ion:119 Resp: 364483

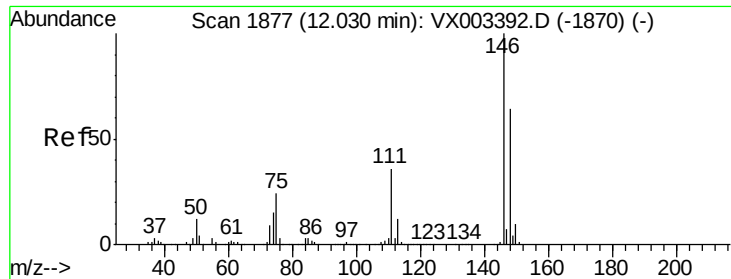
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.9 11.9 35.7





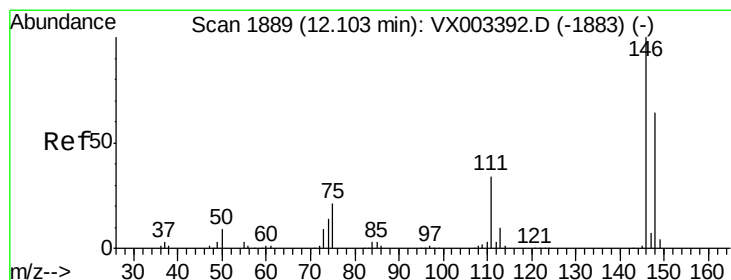
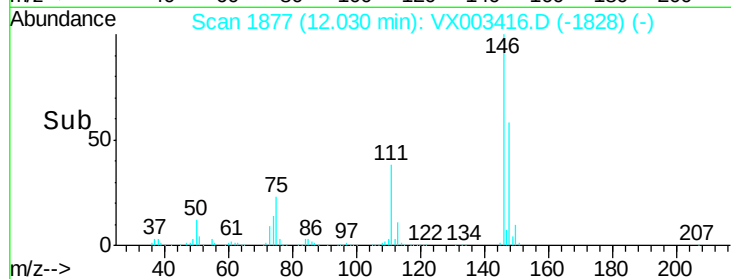
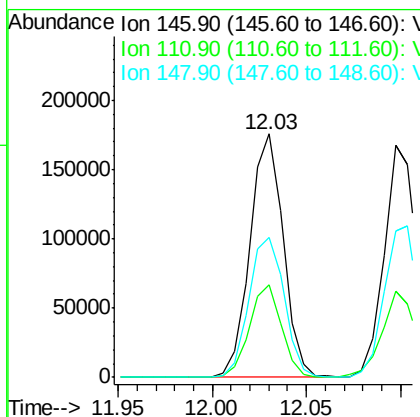
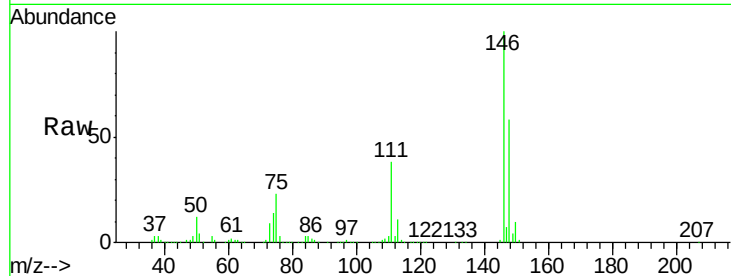
#87
 1,3-Dichlorobenzene
 Concen: 21.19 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.7
148	61.4	32.1	96.3

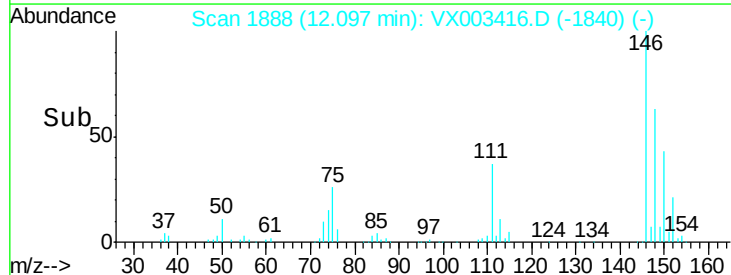
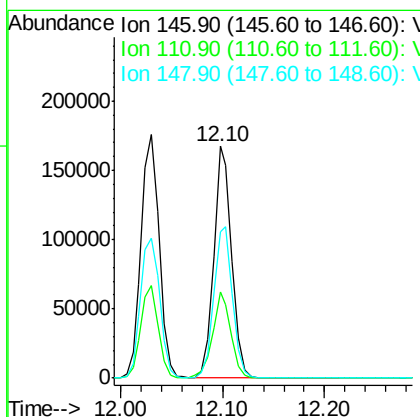
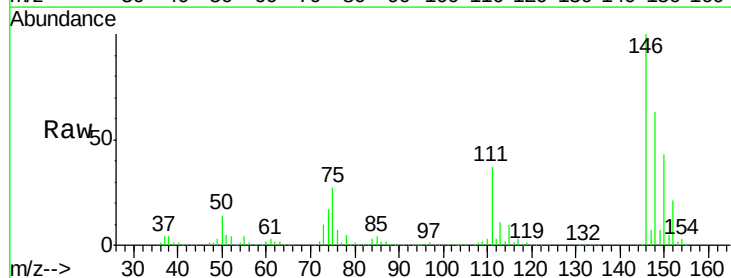
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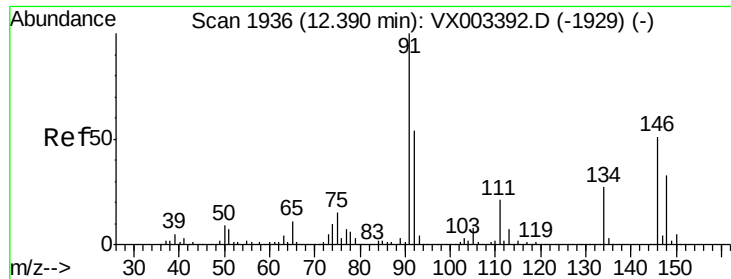
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#88
 1,4-Dichlorobenzene
 Concen: 20.08 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	68.5	32.4	97.0





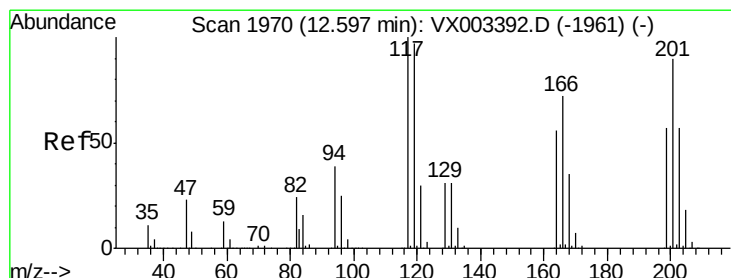
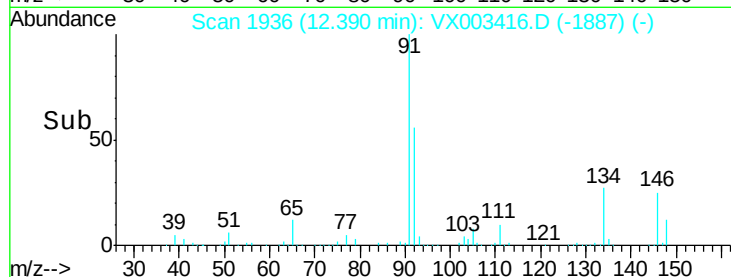
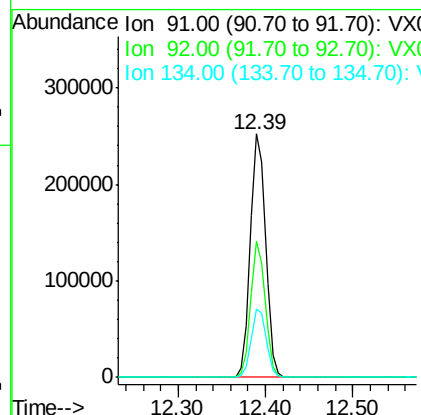
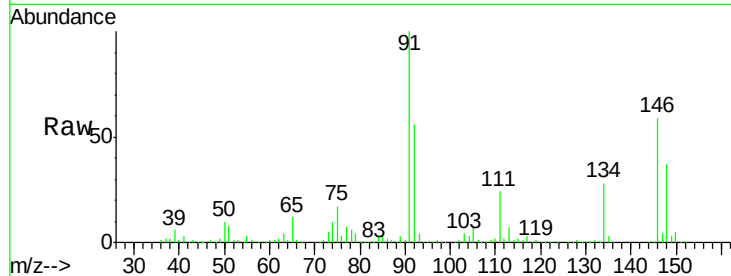
#89
n-Butylbenzene
Concen: 21.34 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	27.4	13.5	40.5

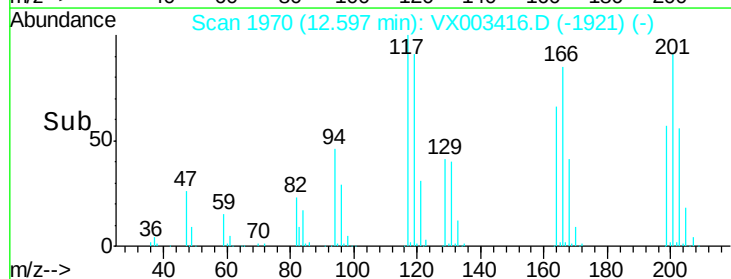
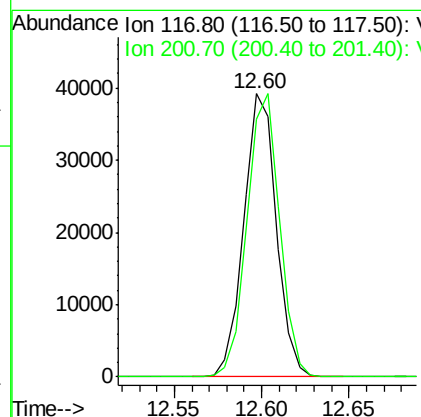
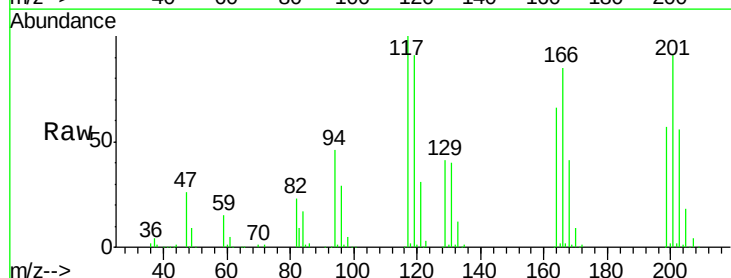
Manual Integrations
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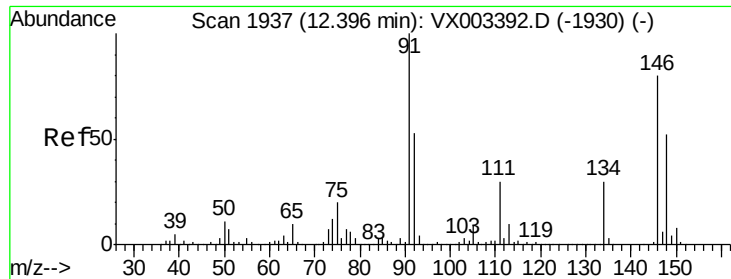
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#90
Hexachloroethane
Concen: 19.83 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.9	49.0	147.0





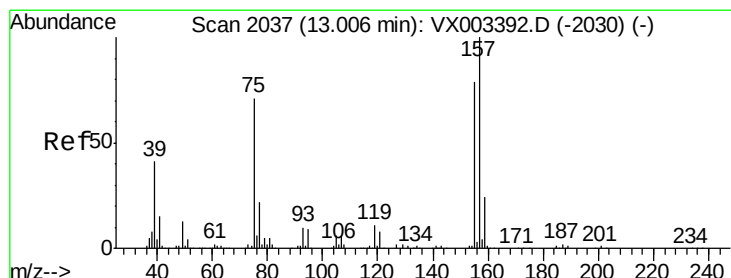
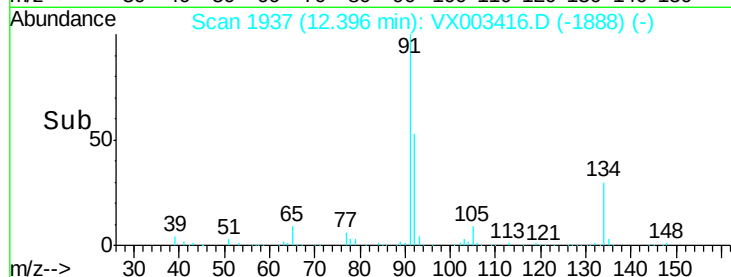
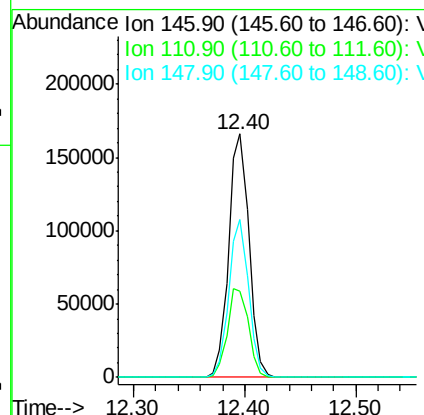
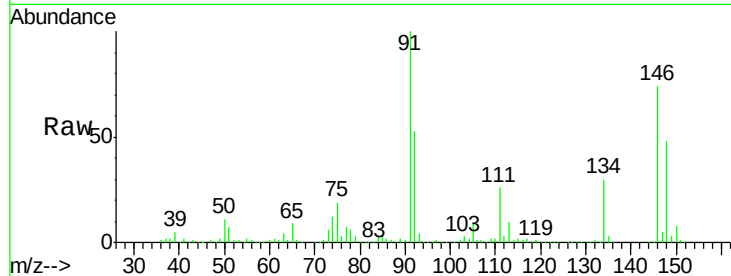
#91
 1,2-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	63.2	31.7	95.1

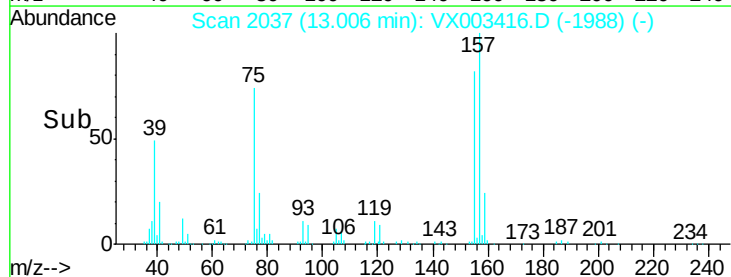
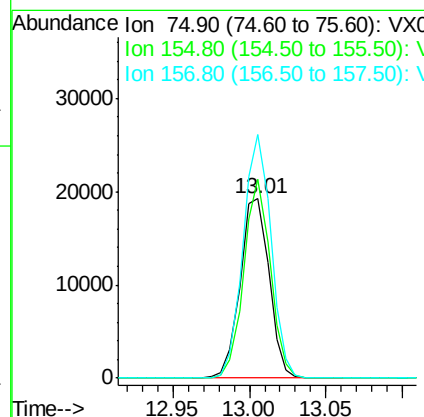
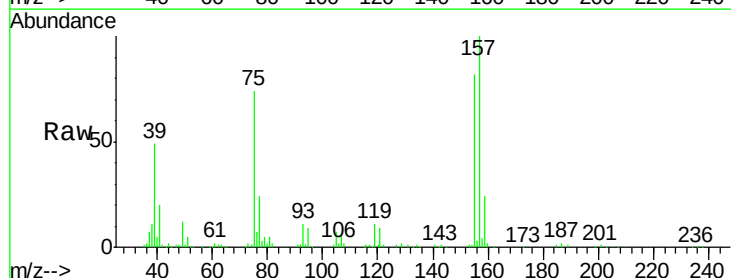
Manual Integrations
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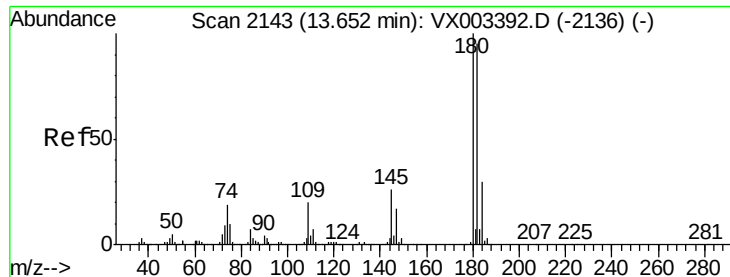
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.86 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003416.D
 Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	45.8	137.4
157	130.9	60.1	180.3





#93

1,2,4-Trichlorobenzene

Concen: 22.10 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003416.D

Acq: 17 Jul 2018 09:47

Instrument :

MSVOA_X

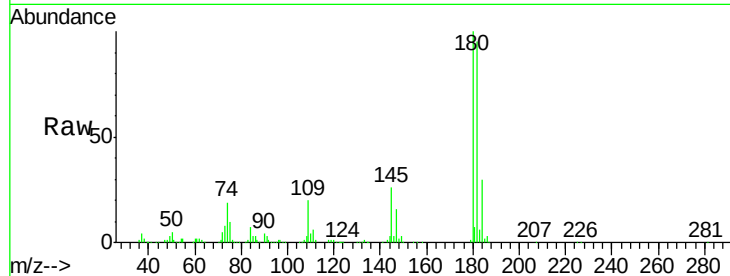
ClientSampleId :

VX0717WBS01

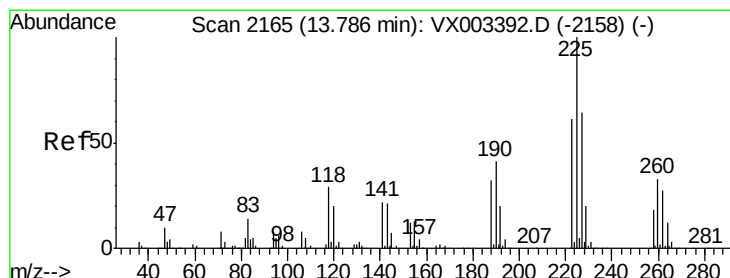
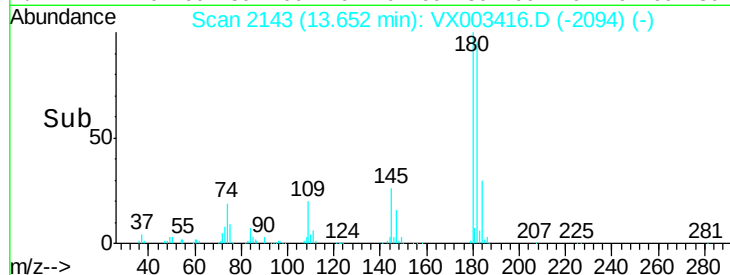
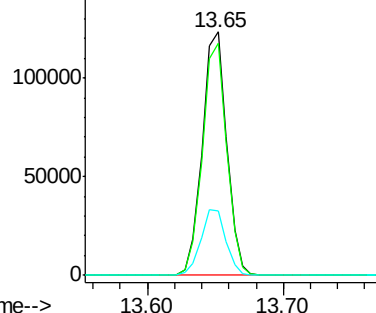
Tot Ion:	180	Resp:	154133
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.7	143.1
145	27.4	14.1	42.4

Manual Integrations
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7/18/2018 12:58:22 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.88 ug/l

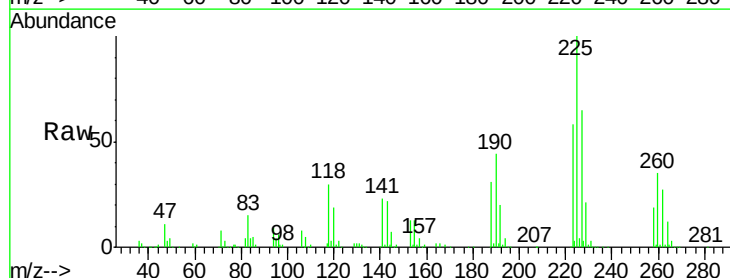
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

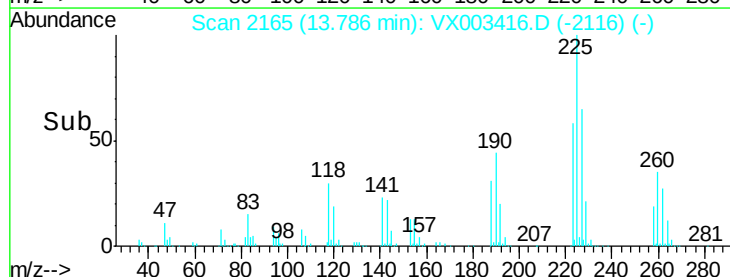
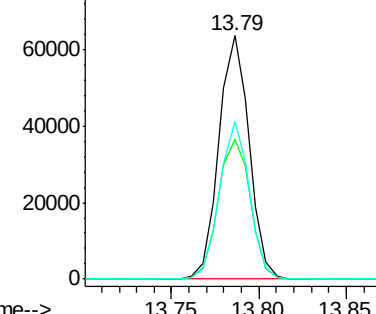
Lab File: VX003416.D

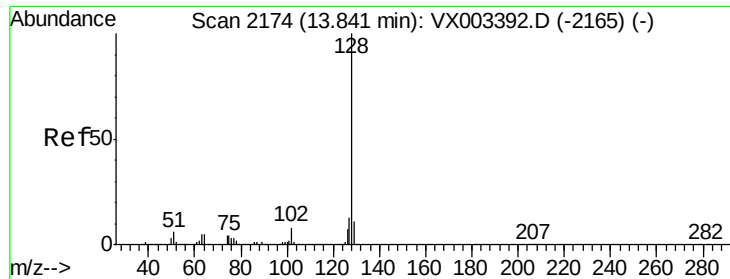
Acq: 17 Jul 2018 09:47

Tgt Ion:	225	Resp:	76824
Ion Ratio	Lower	Upper	
225	100		
223	60.6	31.6	95.0
227	64.0	32.4	97.2



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





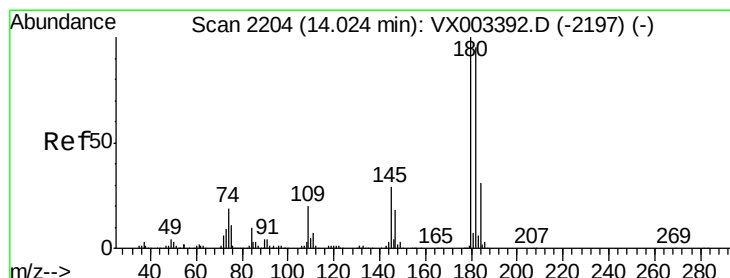
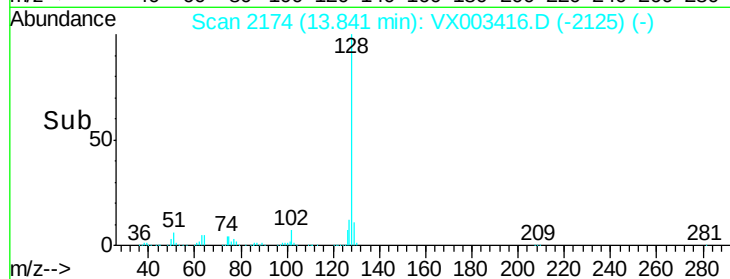
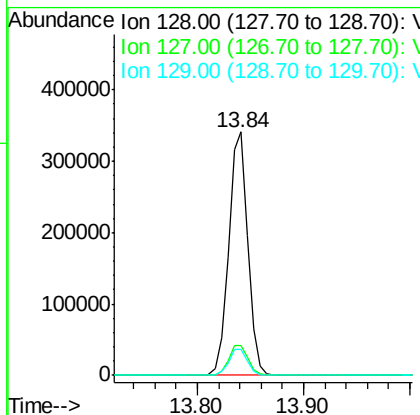
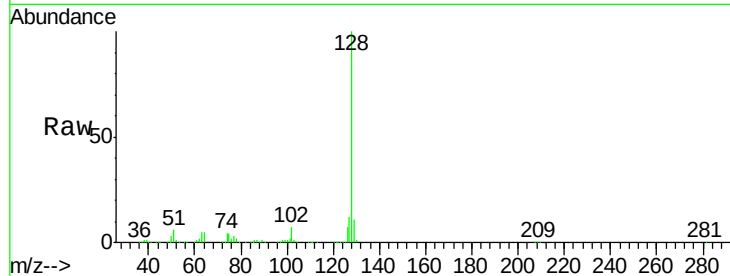
#95
Naphthalene
Concen: 21.36 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/18/2018 12:58:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.49 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003416.D
Acq: 17 Jul 2018 09:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.0	144.0
145	29.0	14.8	44.3

