

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\
 Data File : VX003448.D
 Acq On : 18 Jul 2018 15:35
 Operator : JC/MD
 Sample : VX0718WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:15 PM

Quant Time: Jul 19 02:13:50 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	333598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	476080	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	258804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208685	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.51	113	184104	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	8.72	98	692628	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.14	95	250281	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	71334	18.94	ug/l	97
3) Chloromethane	1.32	50	72712	17.84	ug/l	99
4) Vinyl Chloride	1.40	62	80676	18.17	ug/l	99
5) Bromomethane	1.64	94	39464	23.14	ug/l	99
6) Chloroethane	1.72	64	48950	18.44	ug/l	100
7) Trichlorofluoromethane	1.93	101	110581	18.77	ug/l	98
8) Diethyl Ether	2.19	74	47082	18.68	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68815	18.49	ug/l	98
10) Methyl Iodide	2.51	142	70933	17.82	ug/l	94
11) Tert butyl alcohol	3.07	59	83217	84.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63677	18.11	ug/l	88
13) Acrolein	2.29	56	48962	103.89	ug/l	100
14) Allyl chloride	2.73	41	116267	18.23	ug/l	87
15) Acrylonitrile	3.15	53	198660	88.26	ug/l	98
16) Acetone	2.45	43	155708	85.69	ug/l	# 86
17) Carbon Disulfide	2.57	76	160054	16.59	ug/l	99
18) Methyl Acetate	2.78	43	121550	20.54	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	220351	18.87	ug/l	99
20) Methylene Chloride	2.86	84	80186	24.05	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	67872	17.87	ug/l	94
22) Diisopropyl ether	3.88	45	216496	17.50	ug/l	94
23) Vinyl Acetate	3.83	43	847625	83.07	ug/l	96
24) 1,1-Dichloroethane	3.70	63	129587	18.46	ug/l	99
25) 2-Butanone	4.72	43	258698	90.97	ug/l	94
26) 2,2-Dichloropropane	4.59	77	86909	17.64	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	80267	19.64	ug/l	92
28) Bromochloromethane	5.03	49	60384	19.81	ug/l	88
29) Tetrahydrofuran	5.17	42	162873	90.31	ug/l	91
30) Chloroform	5.21	83	123671	19.12	ug/l	97
31) Cyclohexane	5.57	56	103805	19.15	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	105967	19.26	ug/l	97
36) 1,1-Dichloropropene	5.80	75	94986	19.70	ug/l	98
37) Ethyl Acetate	4.87	43	96111	17.69	ug/l	96
38) Carbon Tetrachloride	5.78	117	93005	18.96	ug/l	99

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Quant Time: Jul 19 02:13:50 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103453	18.75	ug/l	93
40) Benzene	6.15	78	290002	19.77	ug/l	98
41) Methacrylonitrile	5.07	41	53735	17.99	ug/l	91
42) 1,2-Dichloroethane	6.20	62	95501	18.99	ug/l	94
43) Isopropyl Acetate	6.47	43	152996	18.66	ug/l #	92
44) Trichloroethene	7.21	130	83702	19.70	ug/l	100
45) 1,2-Dichloropropane	7.52	63	74010	19.40	ug/l	100
46) Dibromomethane	7.67	93	47815	18.82	ug/l	94
47) Bromodichloromethane	7.90	83	88616	19.05	ug/l	100
48) Methyl methacrylate	7.78	41	77456	18.52	ug/l #	84
49) 1,4-Dioxane	7.76	88	34262	357.73	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	500847	92.79	ug/l	91
52) Toluene	8.79	92	178516	19.44	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	105475	19.20	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	93815	18.71	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	75491	19.67	ug/l	97
56) Ethyl methacrylate	9.18	69	104565	19.25	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	120016	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	274057	100.60	ug/l	97
59) 2-Hexanone	9.50	43	379984	91.63	ug/l	89
60) Dibromochloromethane	9.59	129	72413	18.99	ug/l	98
61) 1,2-Dibromoethane	9.68	107	76610	19.37	ug/l	98
64) Tetrachloroethene	9.34	164	96585	21.24	ug/l	97
65) Chlorobenzene	10.14	112	207417	20.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	73707	20.19	ug/l	99
67) Ethyl Benzene	10.26	91	338110	20.15	ug/l	100
68) m/p-Xylenes	10.36	106	262803	40.48	ug/l	96
69) o-Xylene	10.70	106	128607	20.63	ug/l	97
70) Styrene	10.71	104	210317	20.50	ug/l	97
71) Bromoform	10.86	173	55053	18.75	ug/l	98
73) Isopropylbenzene	11.02	105	344007	20.76	ug/l	100
74) N-amyl acetate	6.47	43	152996	19.20	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	105962	19.37	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	107668m	22.98	ug/l	
77) Bromobenzene	11.26	156	94980	20.18	ug/l	98
78) n-propylbenzene	11.36	91	377958	20.42	ug/l	98
79) 2-Chlorotoluene	11.42	91	230255	20.29	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	282777	20.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	26693	18.51	ug/l	93
82) 4-Chlorotoluene	11.51	91	265545	20.05	ug/l	97
83) tert-Butylbenzene	11.77	119	275089	20.79	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	290081	20.86	ug/l	98
85) sec-Butylbenzene	11.95	105	332752	20.73	ug/l	99
86) p-Isopropyltoluene	12.07	119	297215	20.80	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	171640	19.93	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	172599	19.73	ug/l	100
89) n-Butylbenzene	12.39	91	240371	19.75	ug/l	99
90) Hexachloroethane	12.60	117	40641	18.77	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	174688	20.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21025	18.48	ug/l	89

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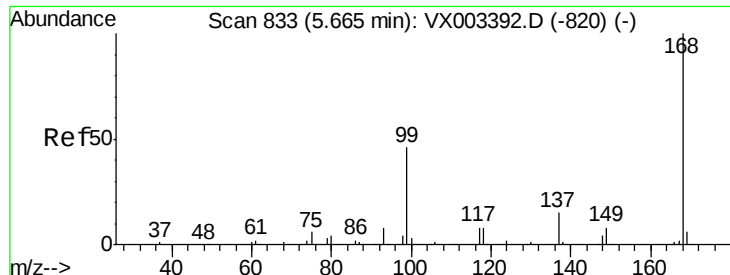
Manual Integrations
APPROVED

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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	121580	20.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	57770	20.27	ug/l	99
95) Naphthalene	13.83	128	359133	21.16	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	123344	20.26	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion:168 Resp: 333598

Ion Ratio Lower Upper

168 100

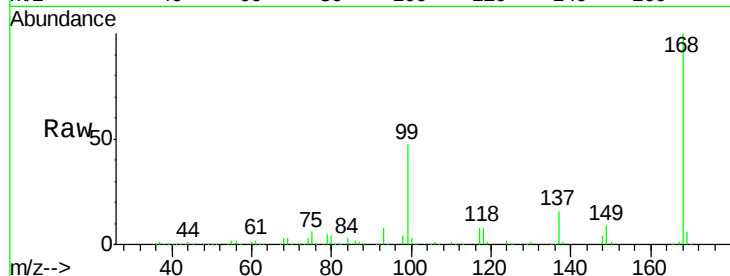
99 47.2 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

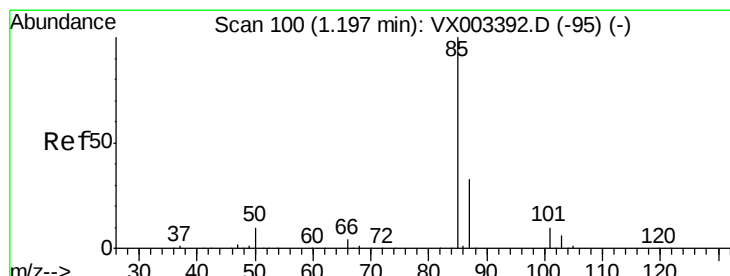
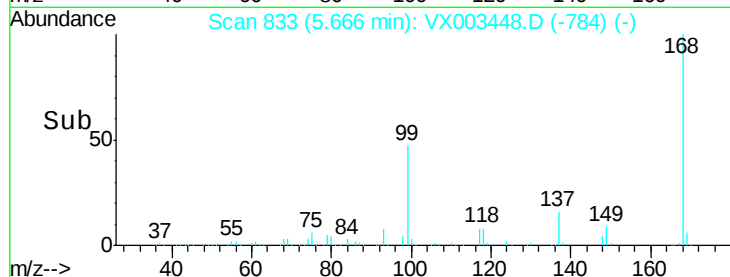
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003448.D

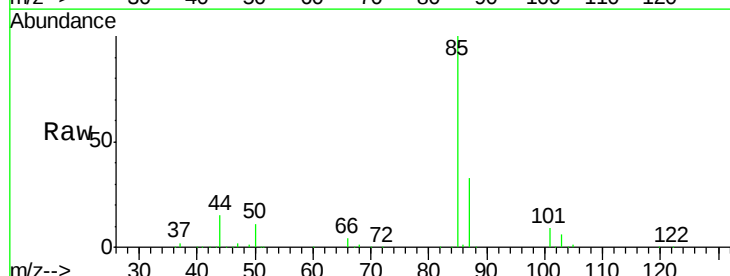
Acq: 18 Jul 2018 15:35

Tgt Ion: 85 Resp: 71334

Ion Ratio Lower Upper

85 100

87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

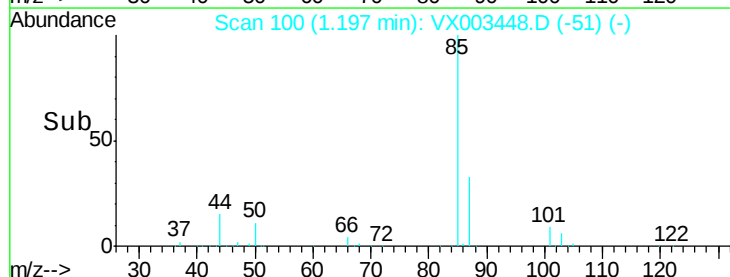
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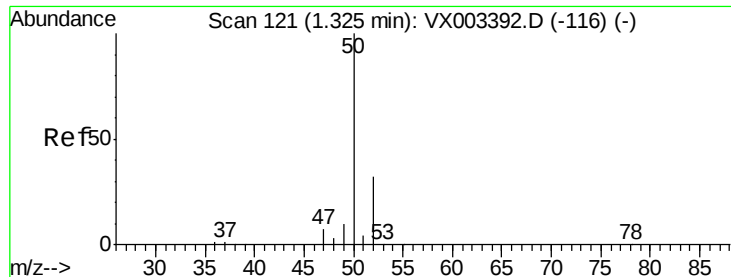
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.84 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 50 Resp: 72712

Ion Ratio Lower Upper

50 100

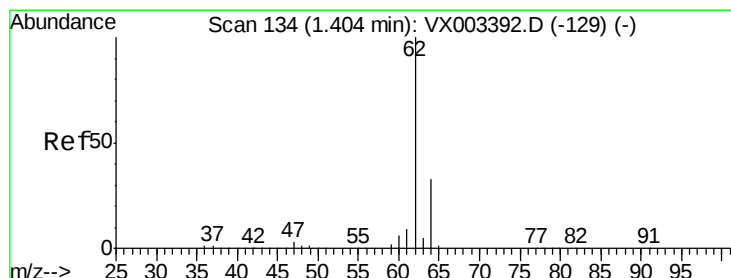
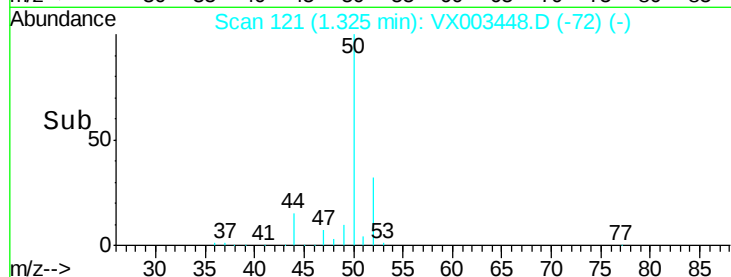
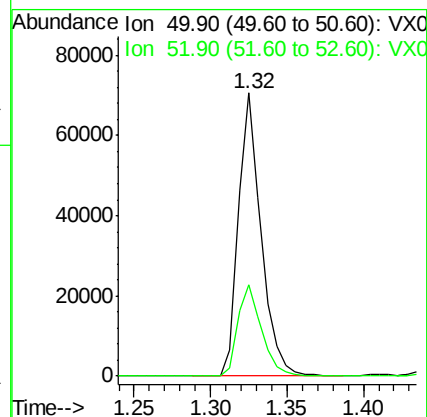
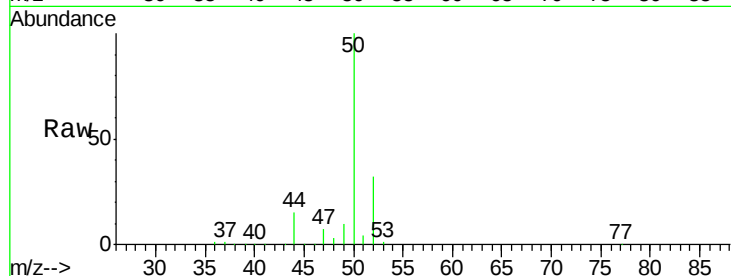
52 32.4 25.7 38.5

Manual Integrations

APPROVED

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7/19/2018 1:04:15 PM



#4

Vinyl Chloride

Concen: 18.17 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003448.D

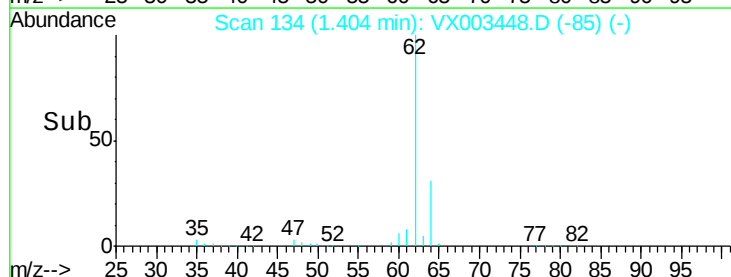
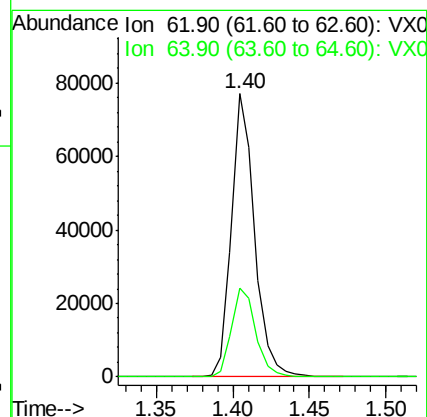
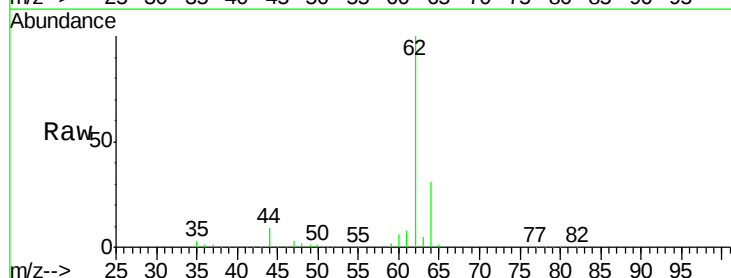
Acq: 18 Jul 2018 15:35

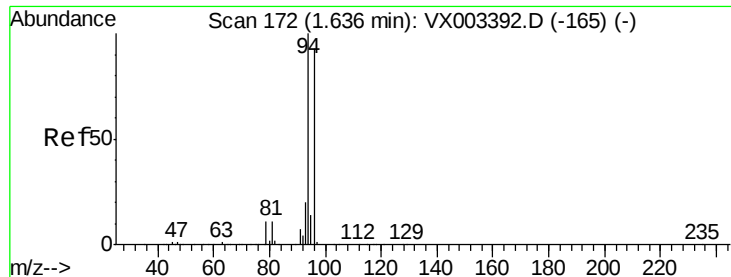
Tgt Ion: 62 Resp: 80676

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 23.14 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 94 Resp: 39464

Ion Ratio Lower Upper

94 100

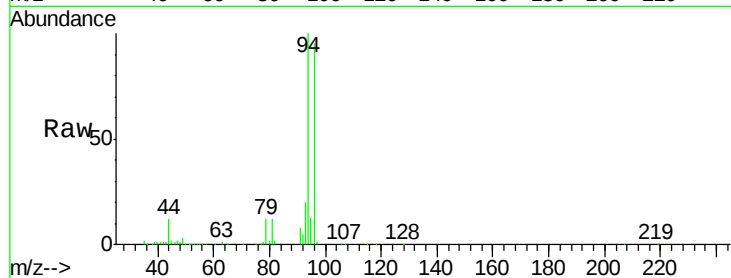
96 95.0 74.9 112.3

Manual Integrations

APPROVED

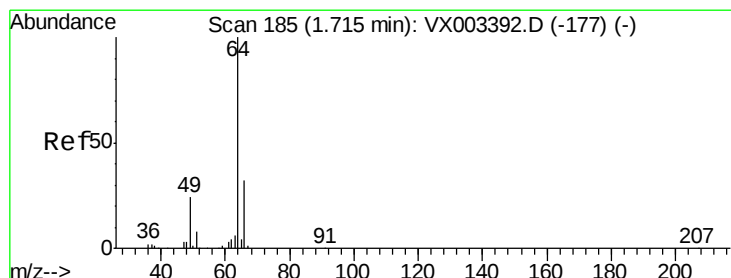
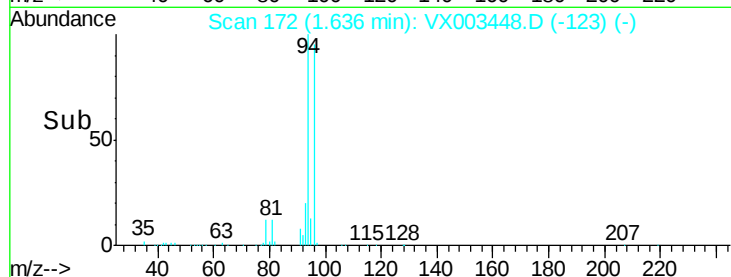
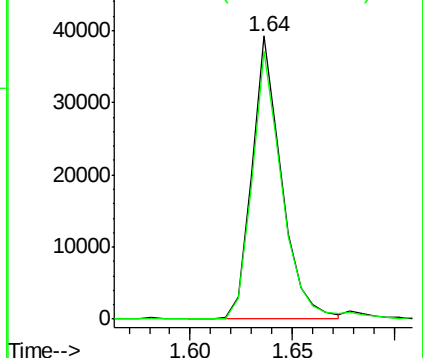
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.44 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003448.D

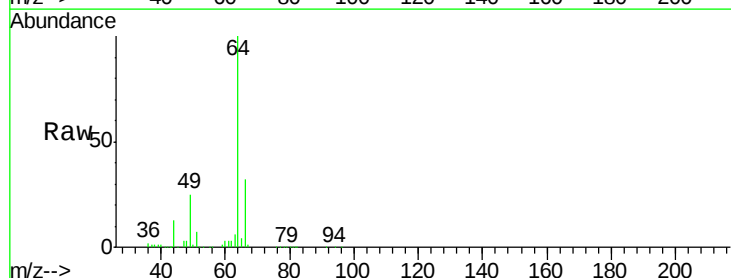
Acq: 18 Jul 2018 15:35

Tgt Ion: 64 Resp: 48950

Ion Ratio Lower Upper

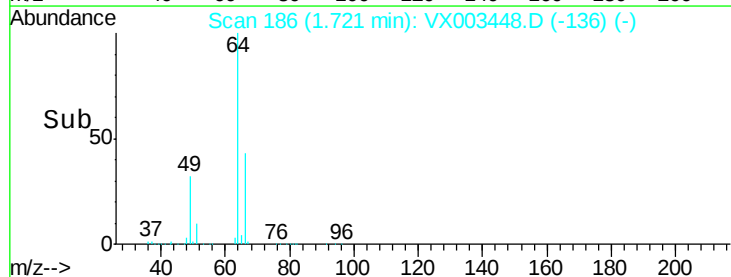
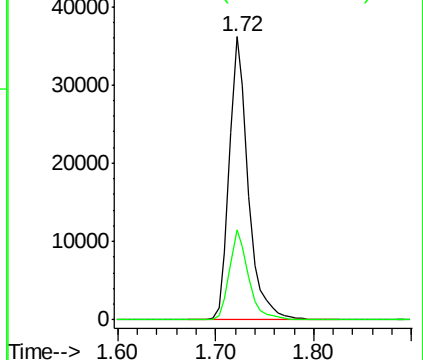
64 100

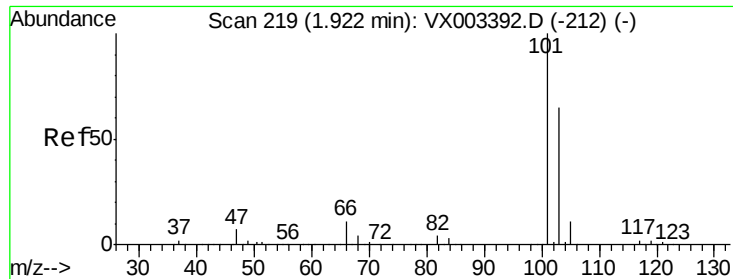
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

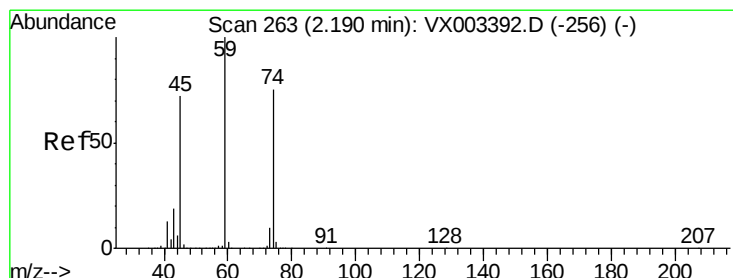
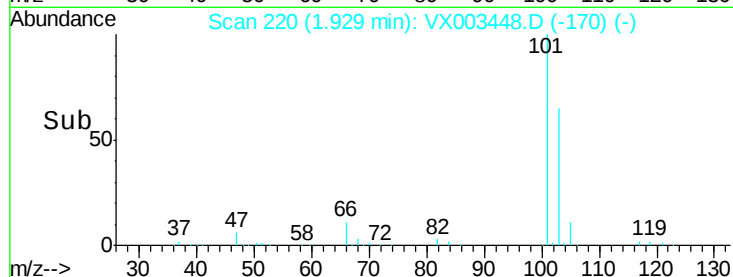
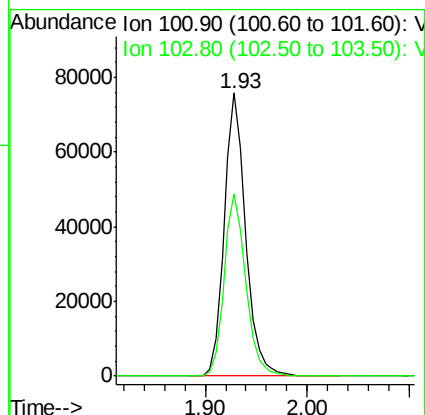
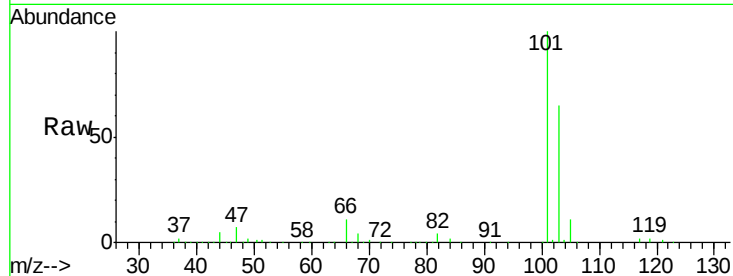
Trichlorofluoromethane
 Concen: 18.77 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		110581		
103	64.6	52.8	79.2		

Manual Integrations
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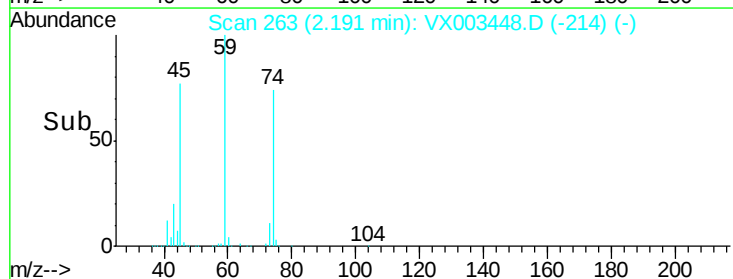
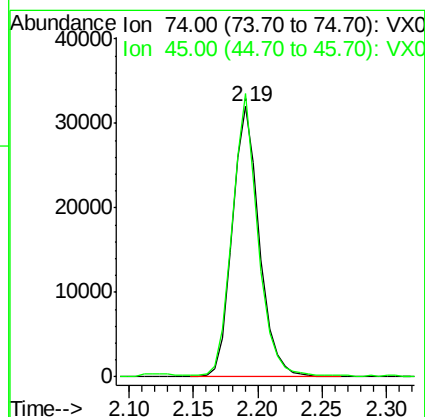
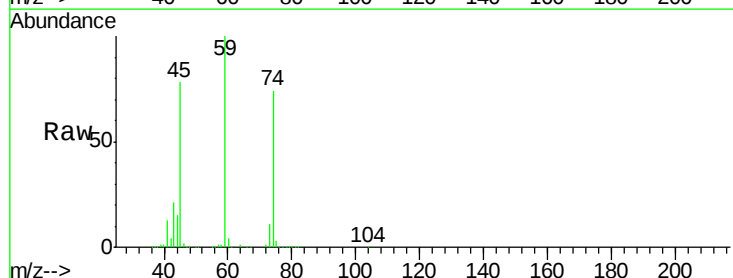
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 7/19/2018 1:04:15 PM

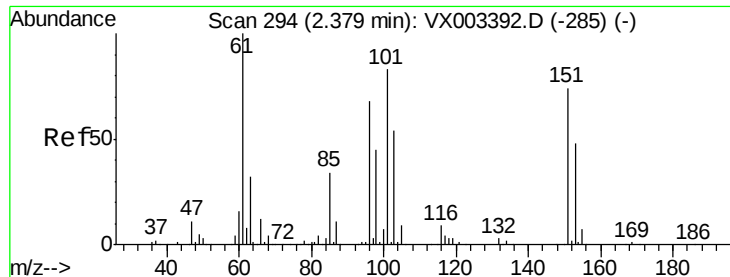


#8

Diethyl Ether
 Concen: 18.68 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		47082		
45	98.8	53.1	159.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.49 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

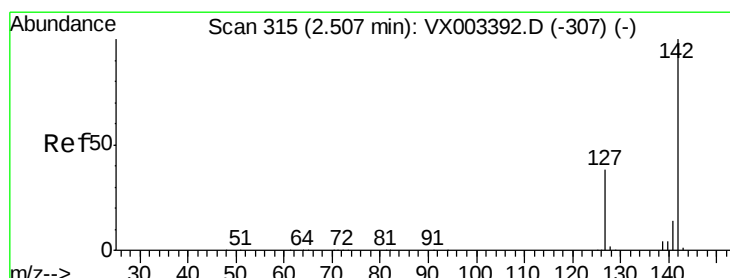
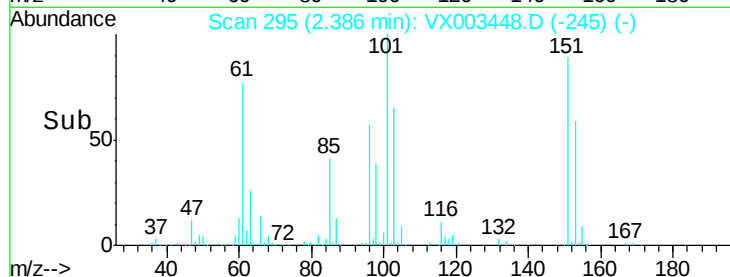
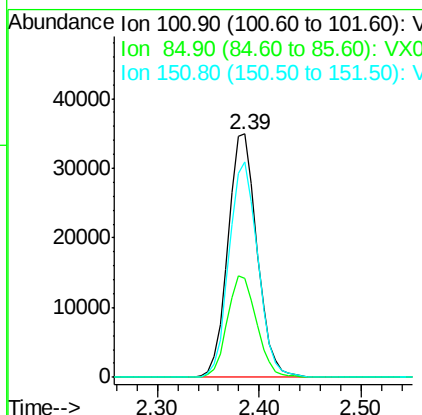
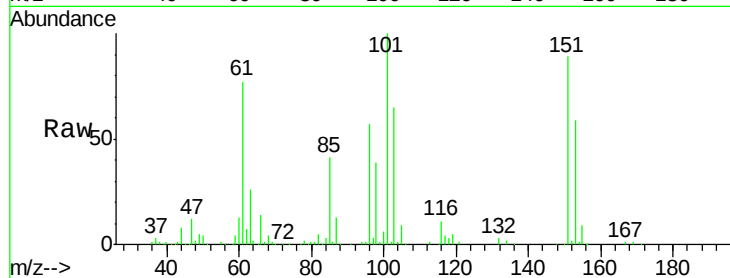
ClientSampleId :

VX0718WBSD01

Tot Ion:	101	Resp:	68815
Ion Ratio	Lower	Upper	
101	100		
85	42.1	36.0	54.0
151	87.6	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.82 ug/l

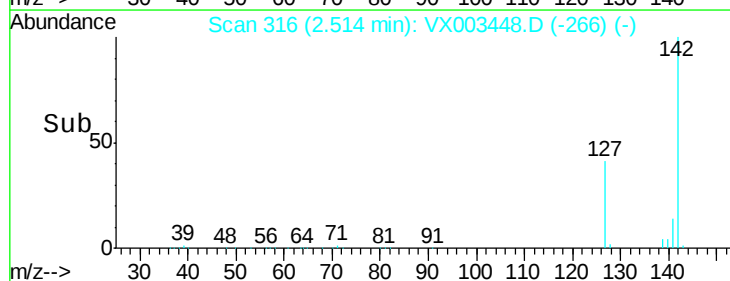
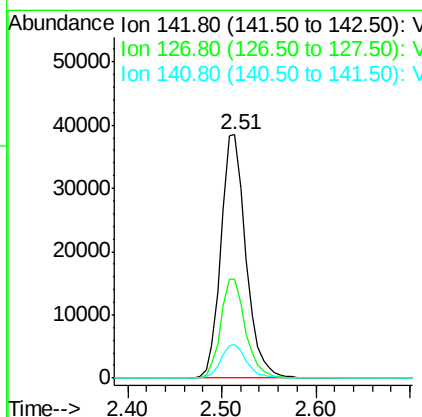
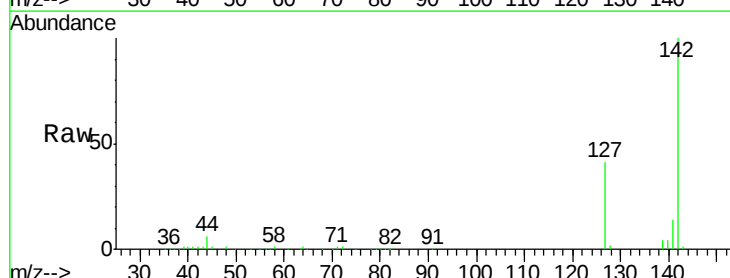
RT: 2.51 min Scan# 316

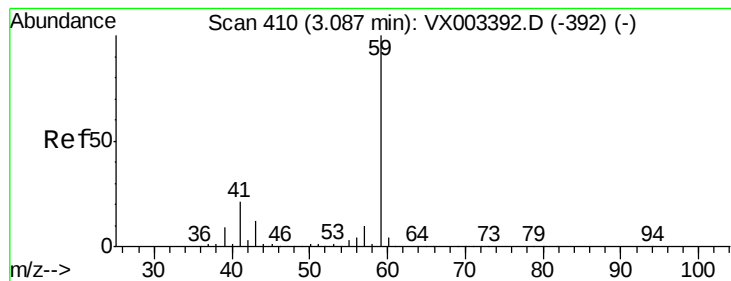
Delta R.T. 0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion:	142	Resp:	70933
Ion Ratio	Lower	Upper	
142	100		
127	40.6	36.6	55.0
141	13.9	11.3	16.9





#11

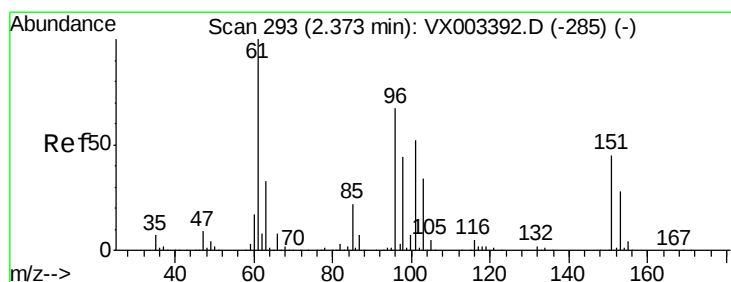
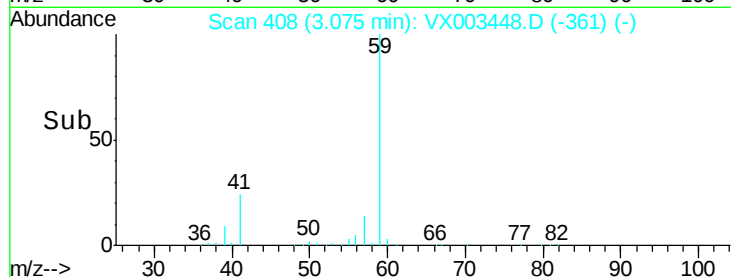
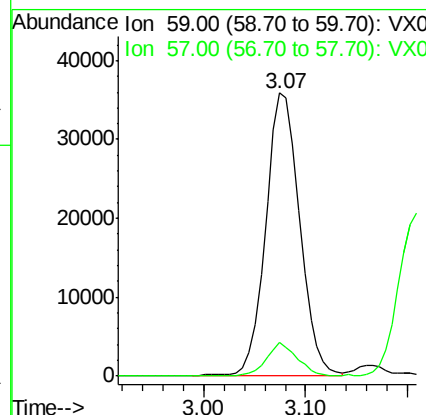
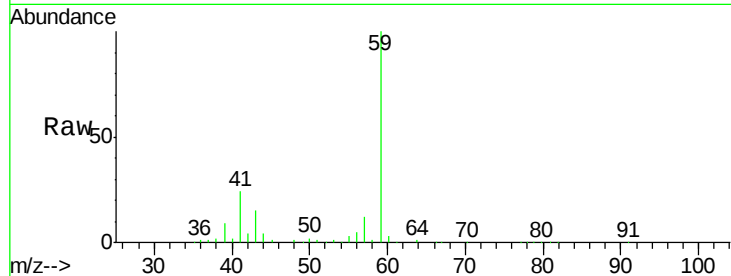
Tert butyl alcohol
Concen: 84.70 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	59	57	Ratio	100	10.7	Resp	83217	Lower	Upper
								8.2	12.2

Manual Integrations
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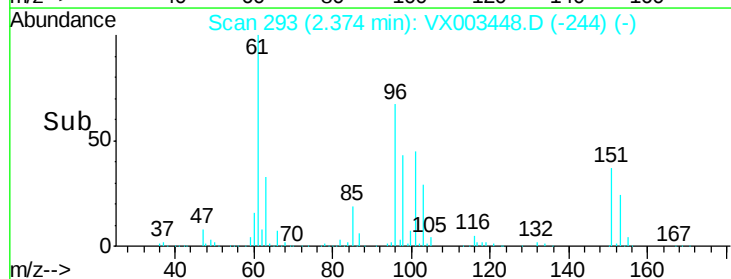
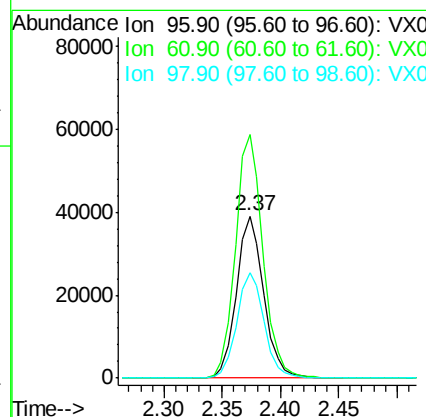
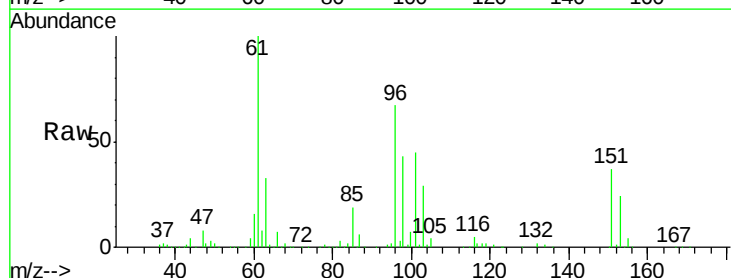
MMDadoda
7/19/2018 1:04:15 PM

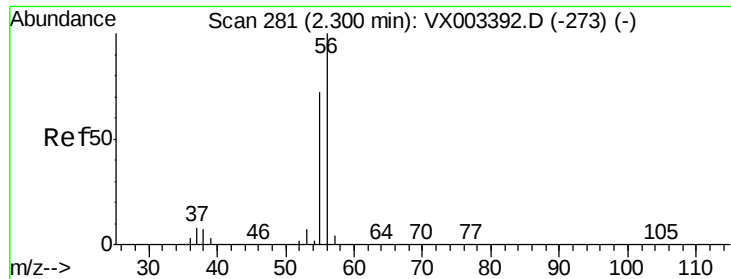


#12

1,1-Dichloroethene
Concen: 18.11 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	96	61	98	Ratio	100	150.1	65.1	Resp	63677	Lower	Upper
										137.9	206.9
										51.6	77.4





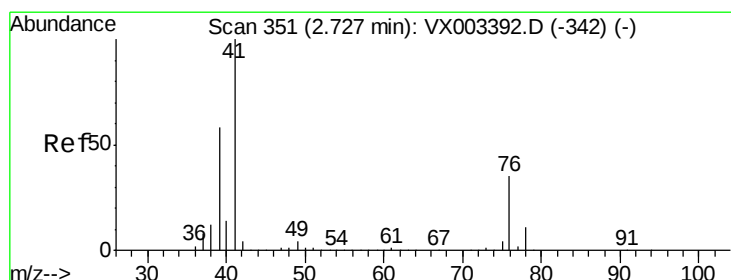
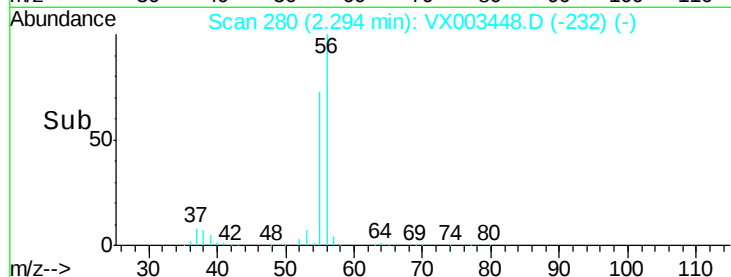
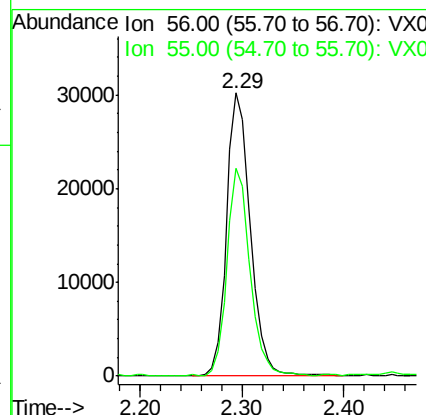
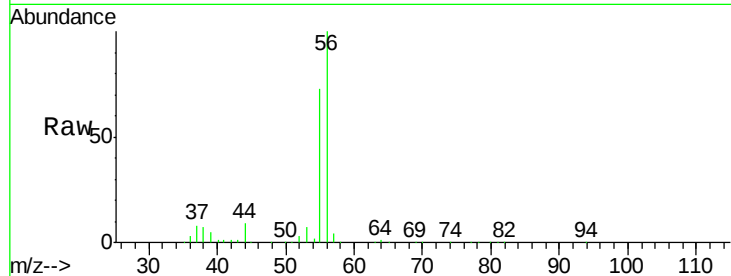
#13
Acrolein
Concen: 103.89 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	56	55	Ratio	100	Resp	48962	Lower	Upper
56	100							
55	70.9				57.0		85.4	

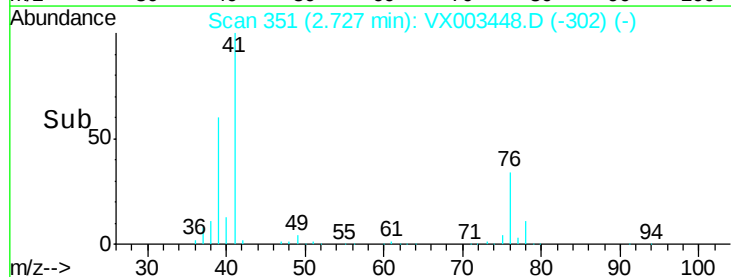
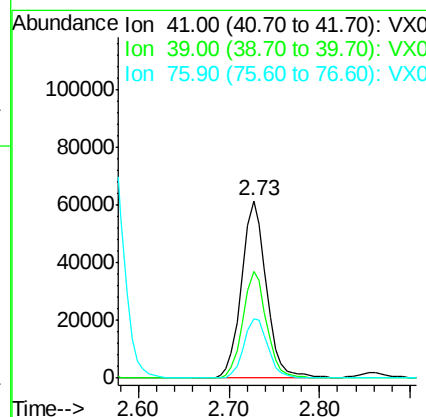
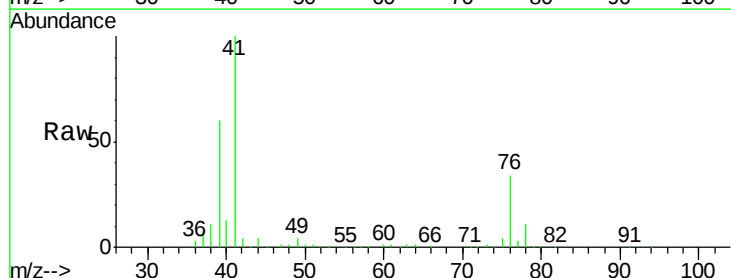
Manual Integrations
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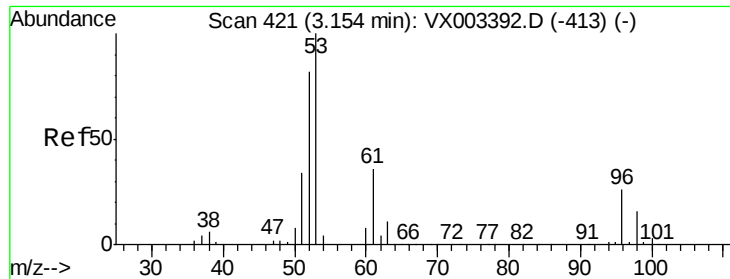
MMDadoda
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#14
Allyl chloride
Concen: 18.23 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	41	39	76	Ratio	100	Resp	116267	Lower	Upper
41	100								
39	57.5					56.8		85.2	
76	33.2					23.8		35.8	





#15

Acrylonitrile

Concen: 88.26 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

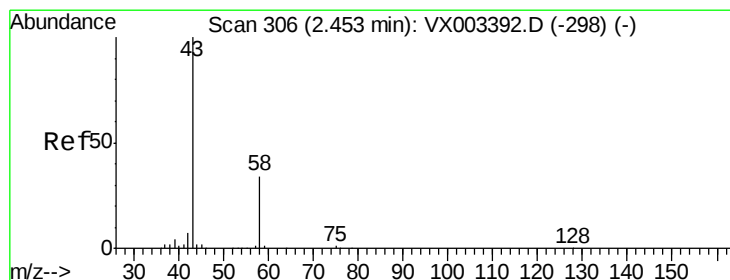
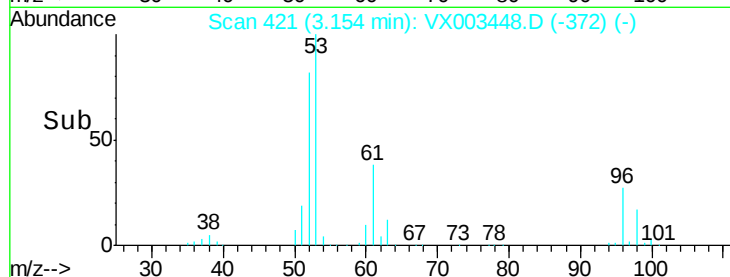
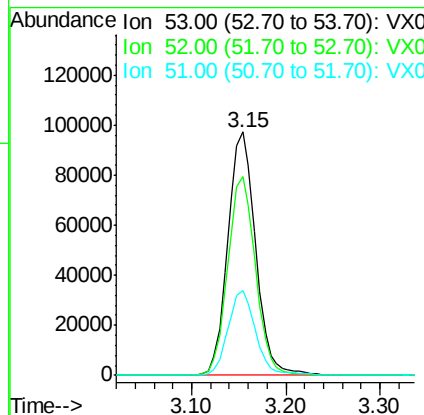
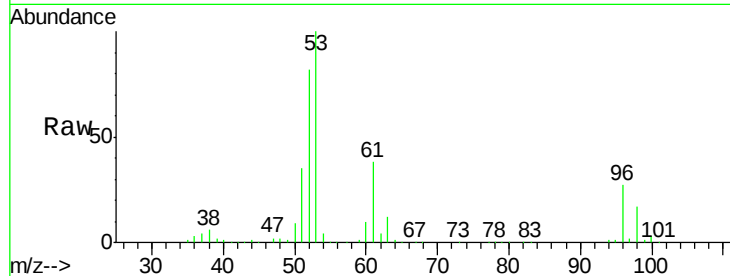
ClientSampleId :

VX0718WBSD01

Tot Ion:	53	Resp:	198660
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.7	100.1
51	35.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 85.69 ug/l

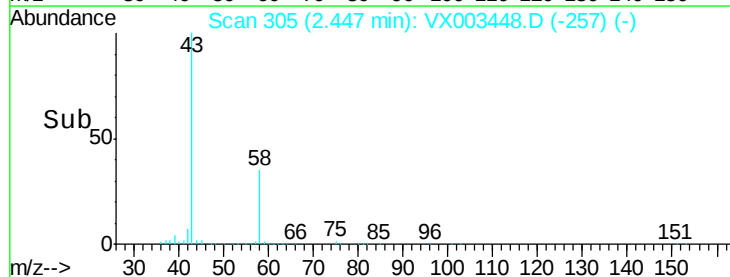
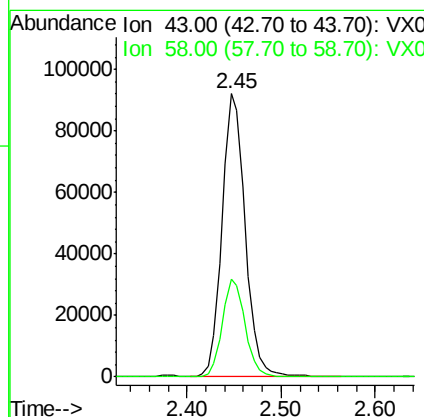
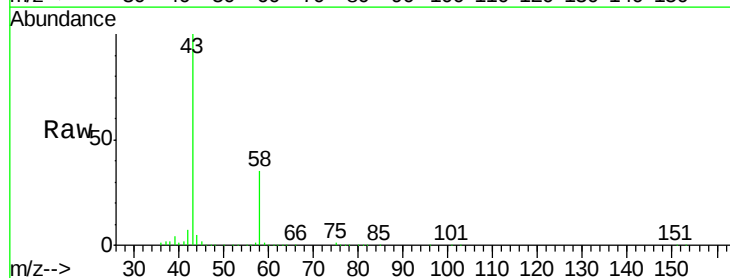
RT: 2.45 min Scan# 305

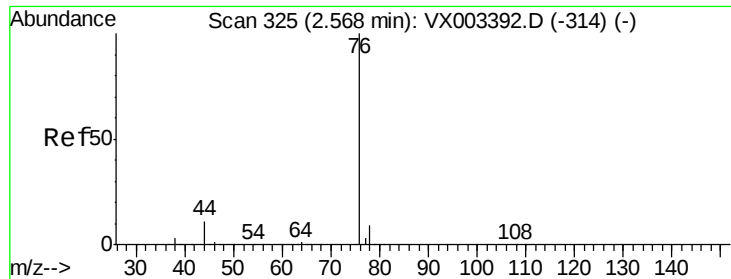
Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion:	43	Resp:	155708
Ion	Ratio	Lower	Upper
43	100		
58	34.7	22.1	33.1#





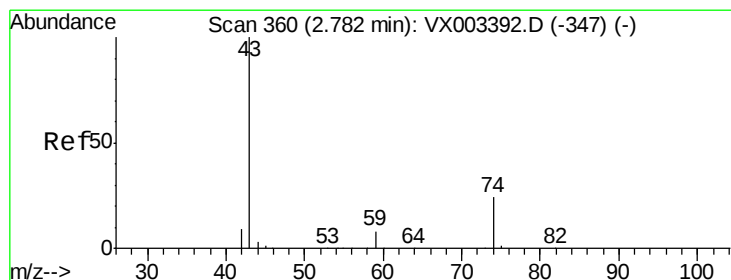
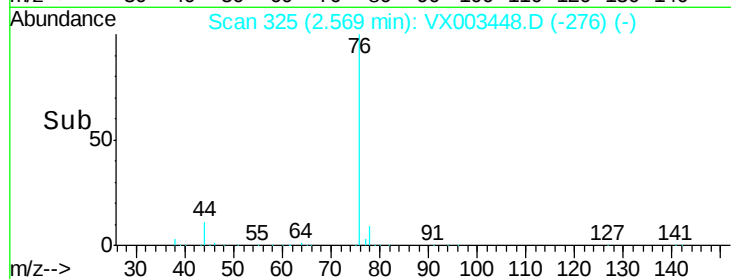
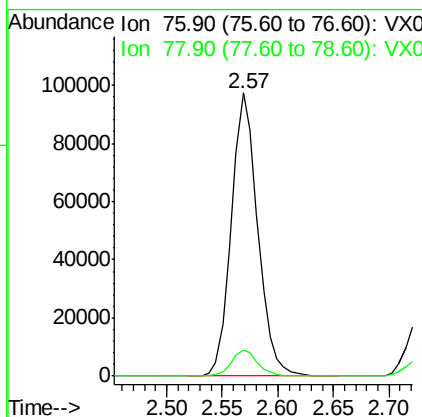
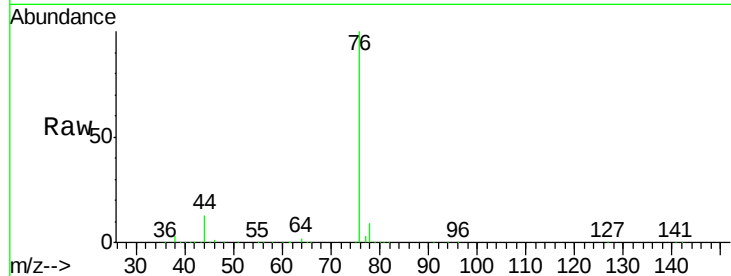
#17
Carbon Disulfide
Concen: 16.59 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

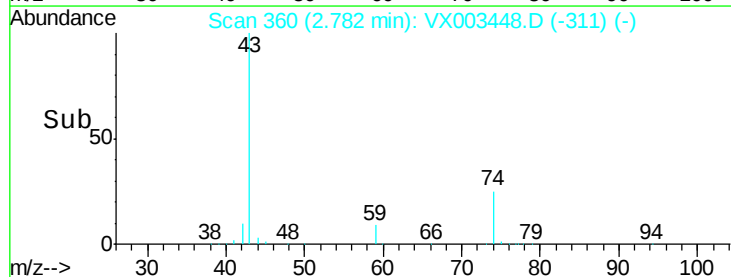
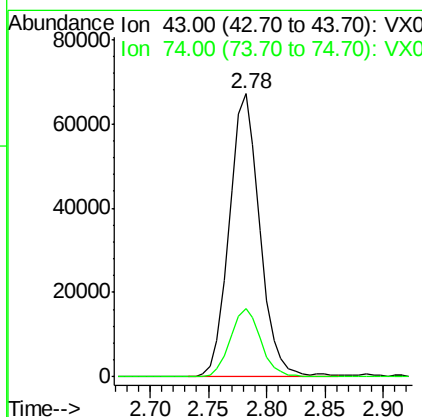
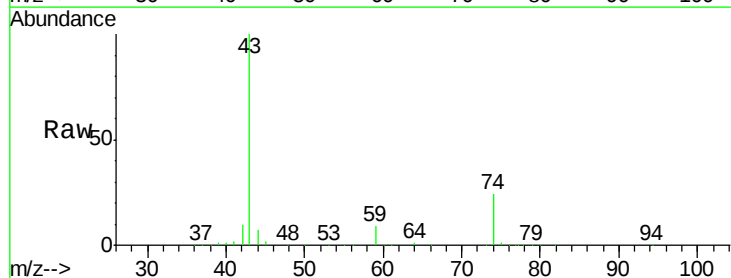
Manual Integrations
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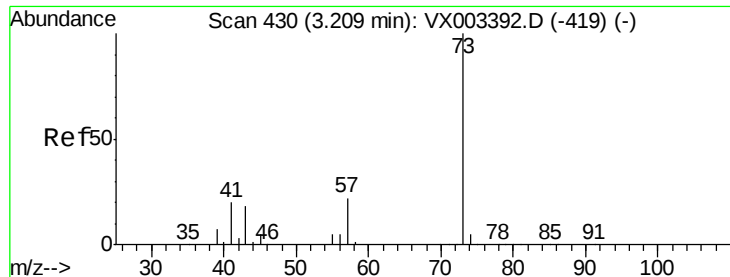
MMDadoda
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#18
Methyl Acetate
Concen: 20.54 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	16.7	25.1





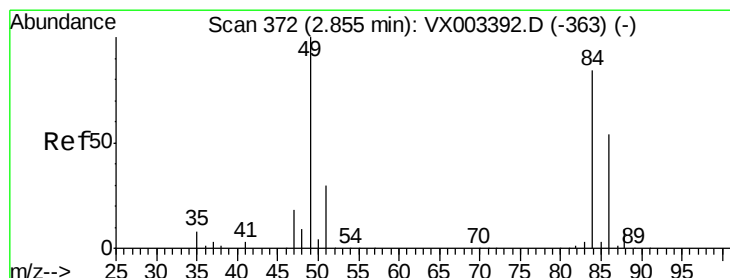
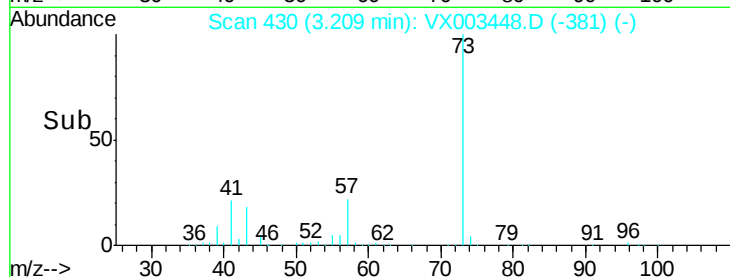
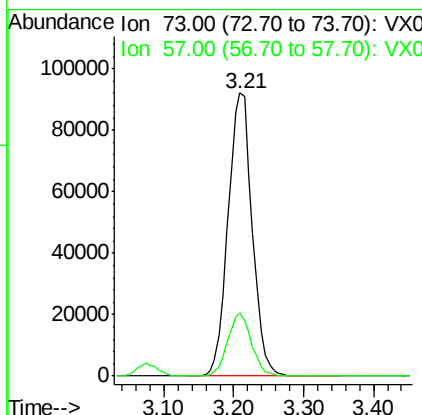
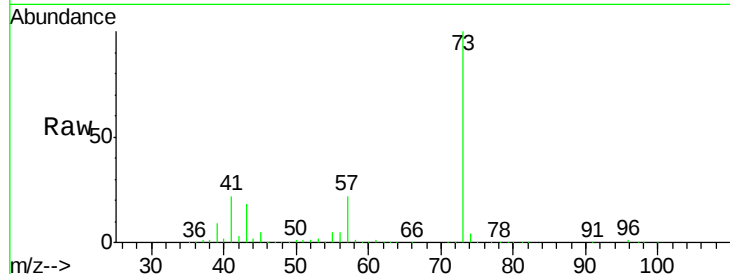
#19
Methvl tert-butvl Ether
Concen: 18.87 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion: 73 Resp: 220351
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

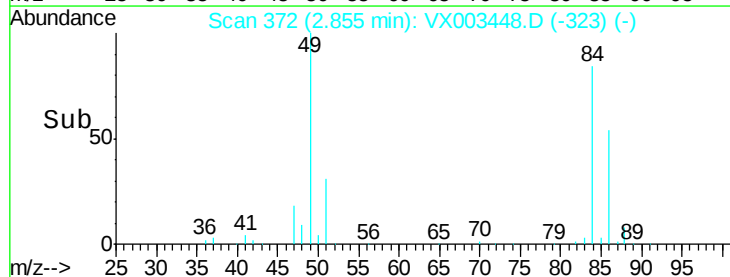
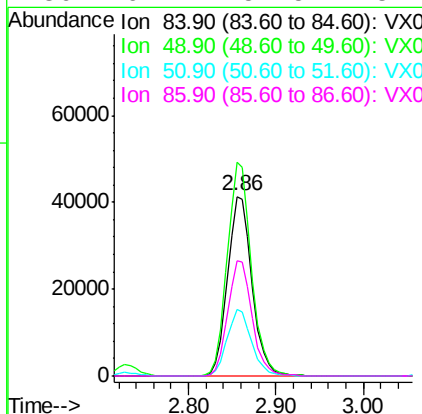
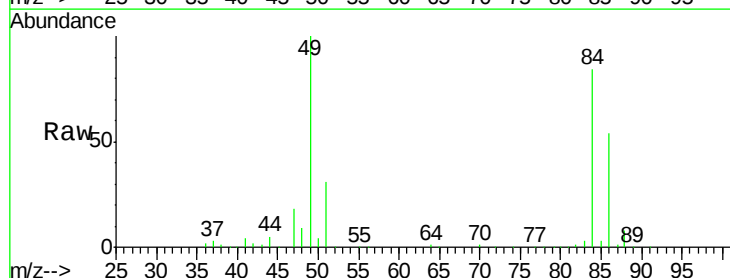
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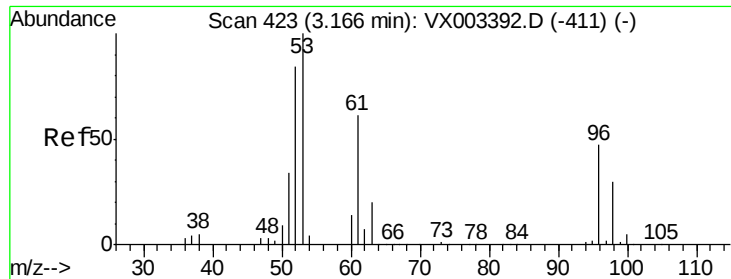
MMDadoda
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#20
Methylene Chloride
Concen: 24.05 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion: 84 Resp: 80186
Ion Ratio Lower Upper
84 100
49 118.9 107.8 161.6
51 37.1 32.8 49.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 17.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 96 Resp: 67872

Ion Ratio Lower Upper

96 100

61 135.2 117.0 175.4

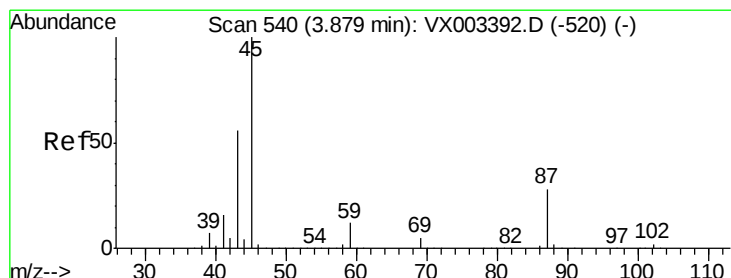
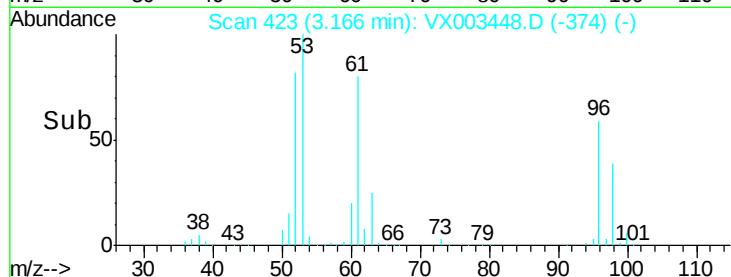
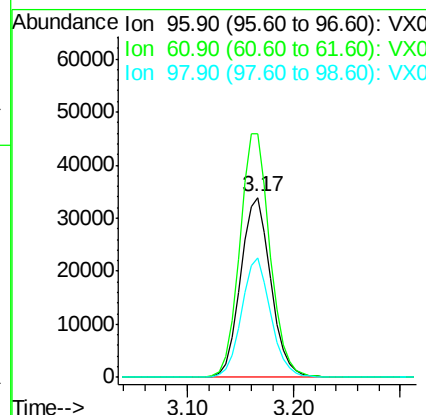
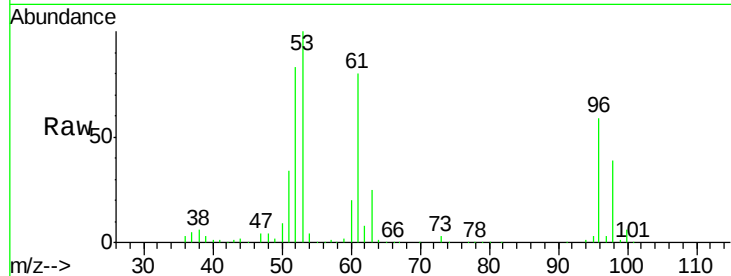
98 66.6 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 17.50 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion: 45 Resp: 216496

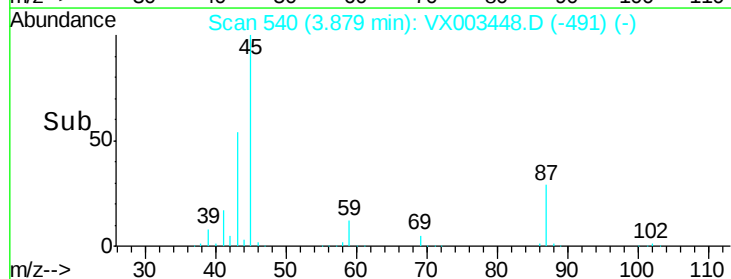
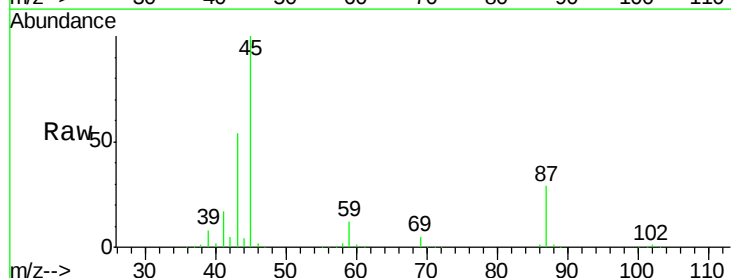
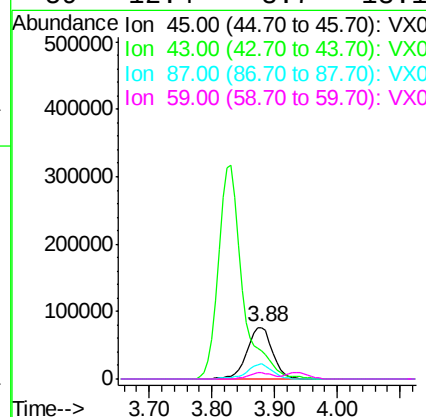
Ion Ratio Lower Upper

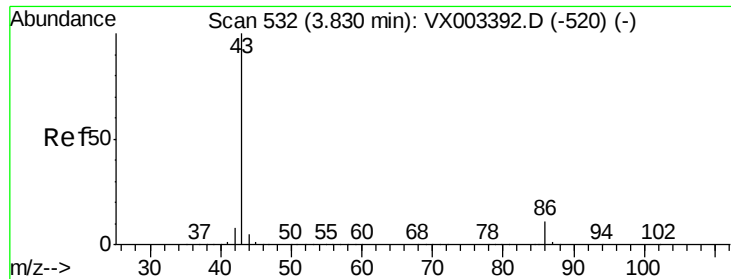
45 100

43 53.8 46.8 70.2

87 29.2 20.2 30.4

59 12.4 8.7 13.1





#23

Vinyl Acetate

Concen: 83.07 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampled :

VX0718WBSD01

Tot Ion: 43 Resp: 847625

Ion Ratio Lower Upper

43 100

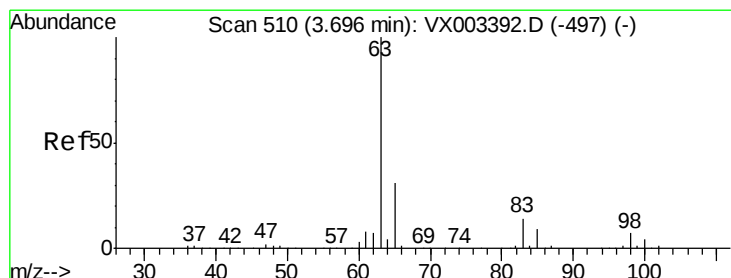
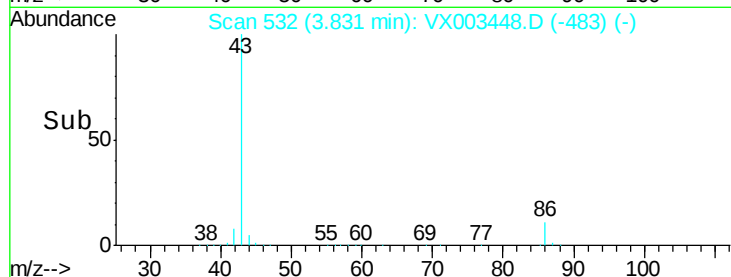
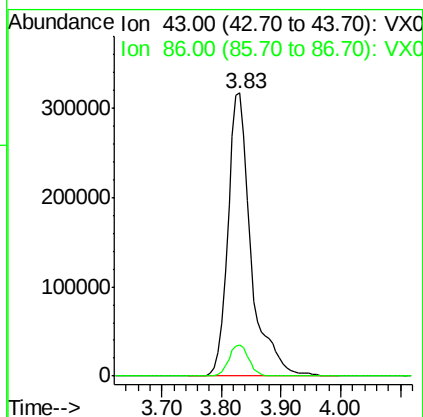
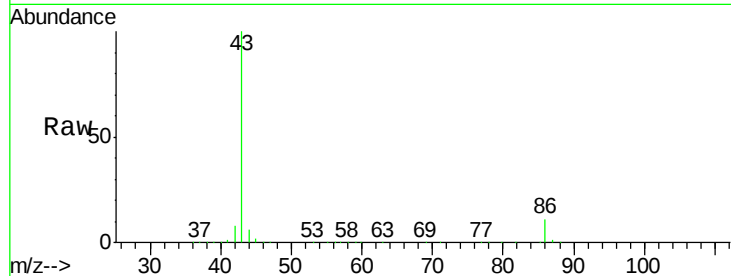
86 10.8 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.46 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

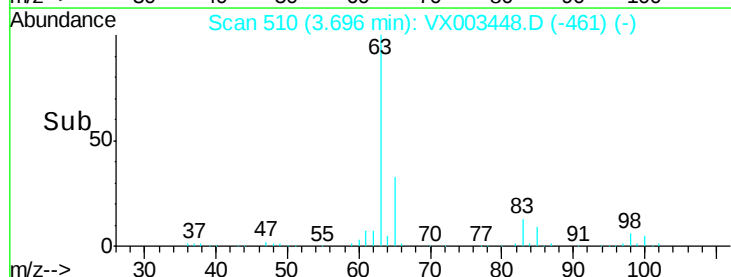
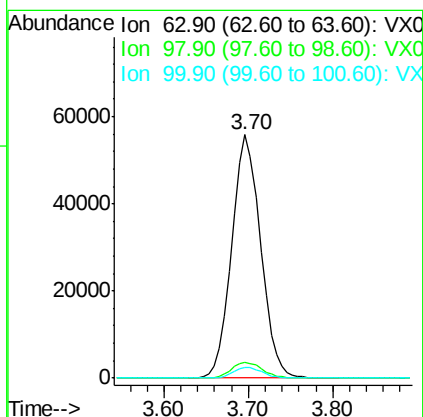
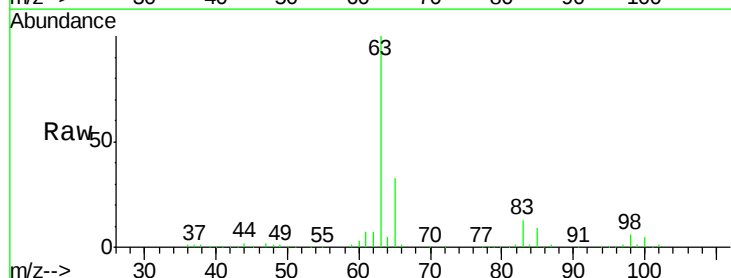
Tgt Ion: 63 Resp: 129587

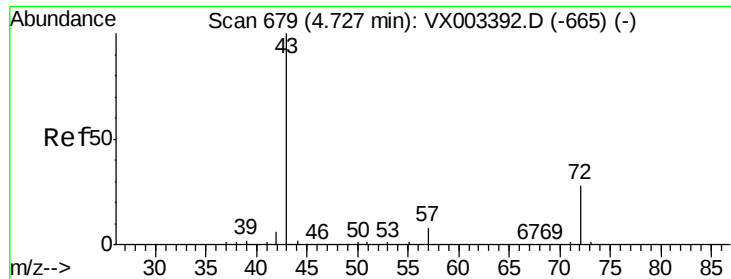
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 90.97 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 43 Resp: 258698

Ion Ratio Lower Upper

43 100

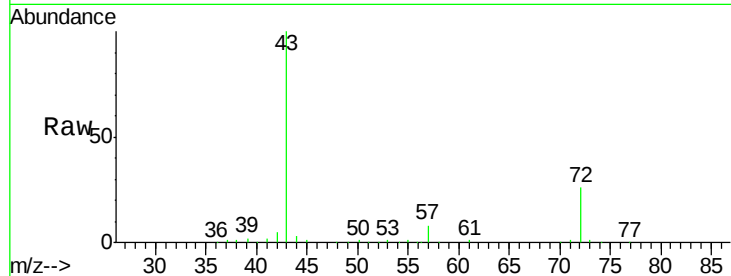
72 26.1 18.5 27.7

Manual Integrations

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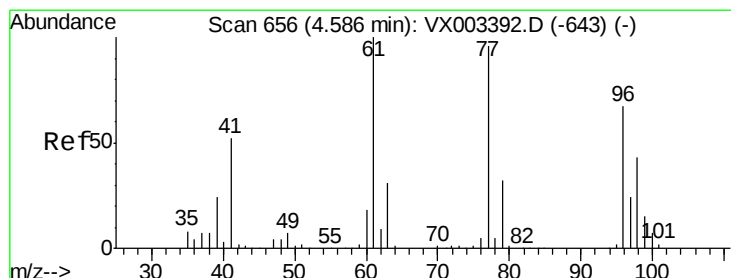
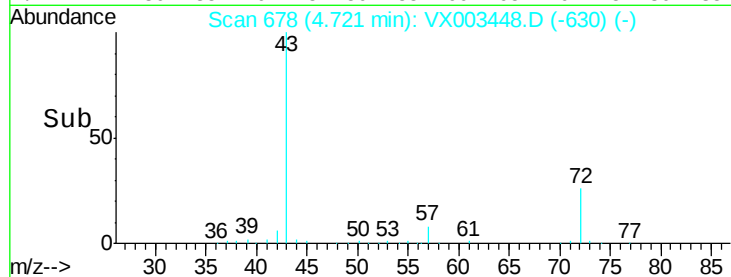
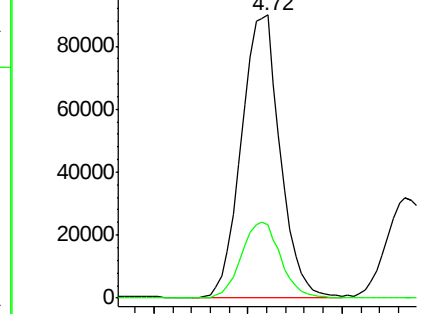
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.64 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003448.D

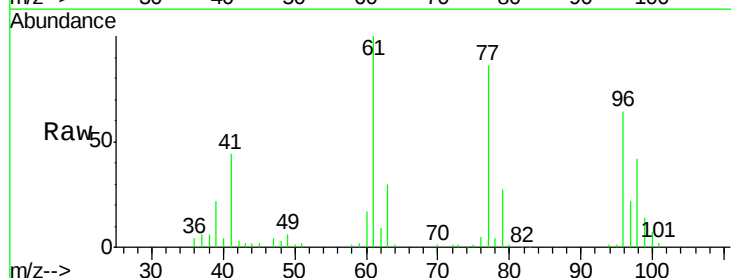
Acq: 18 Jul 2018 15:35

Tgt Ion: 77 Resp: 86909

Ion Ratio Lower Upper

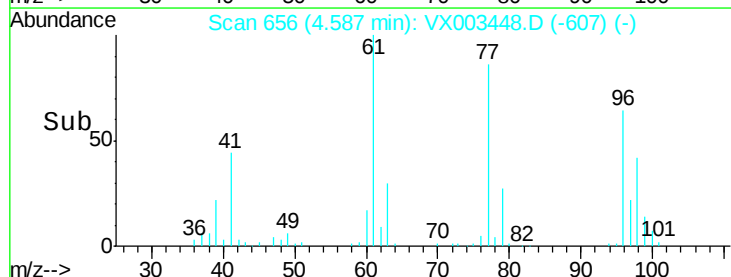
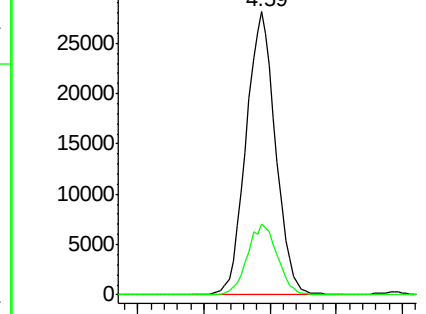
77 100

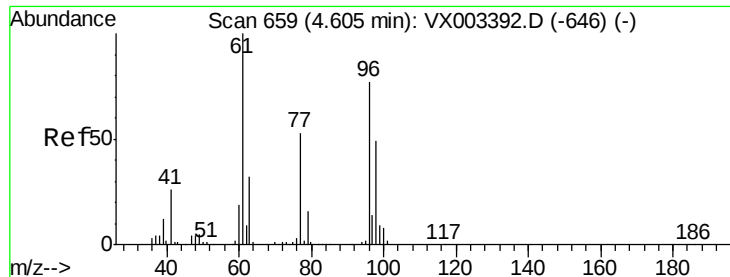
97 25.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

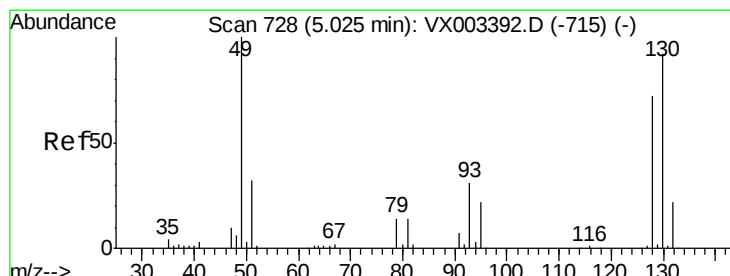
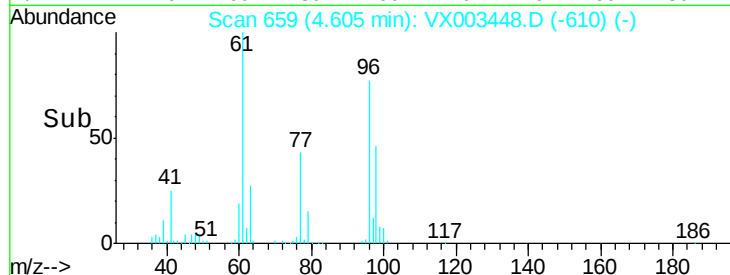
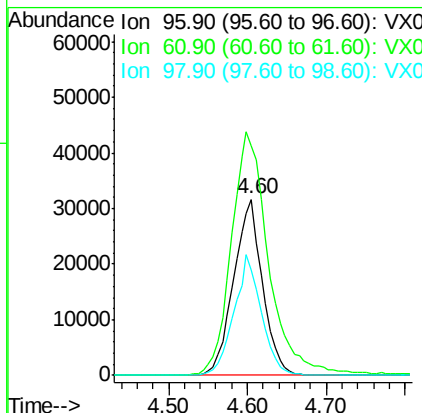
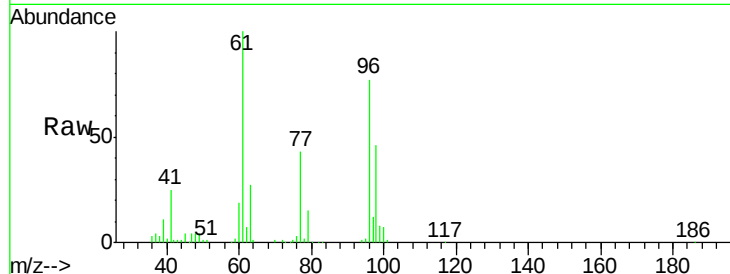
cis-1,2-Dichloroethene
 Concen: 19.64 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	180.6	0.0	330.2
98	65.2	0.0	130.2

Manual Integrations
 APPROVED

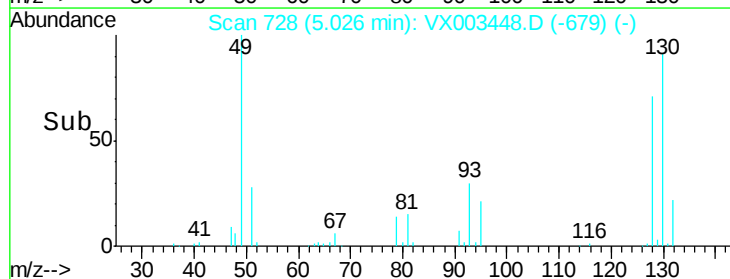
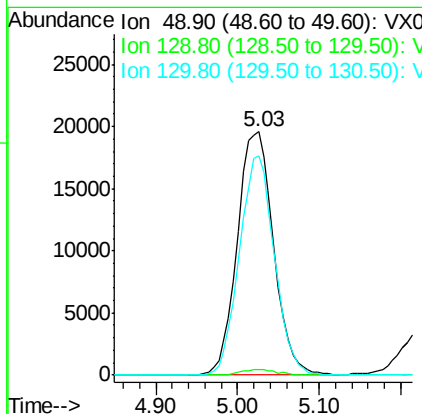
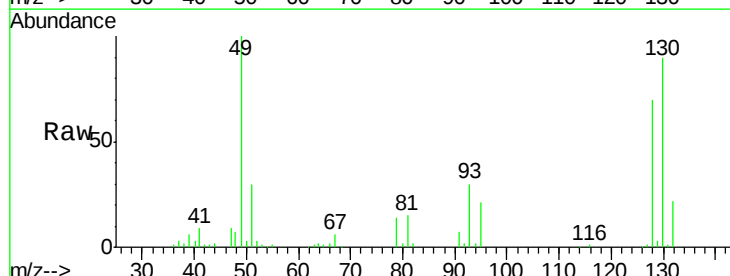
MMDadoda
 7/19/2018 1:04:15 PM

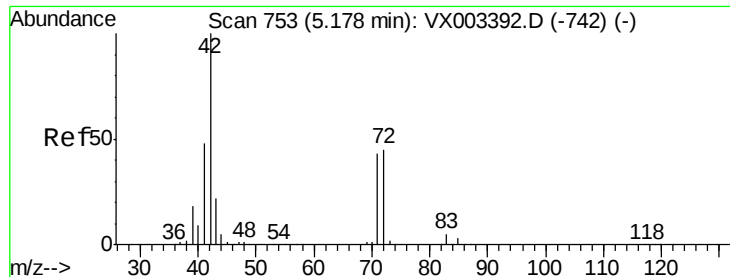


#28

Bromochloromethane
 Concen: 19.81 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.2	61.2	91.8





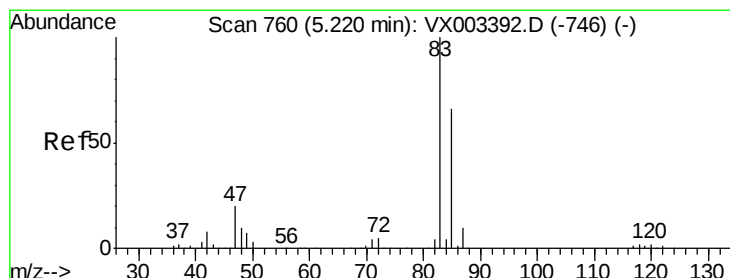
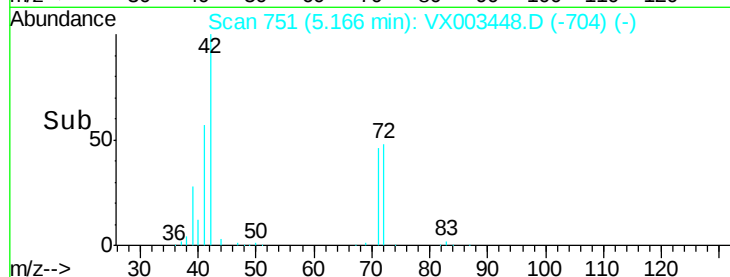
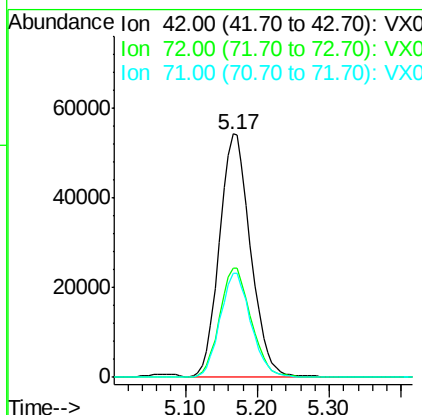
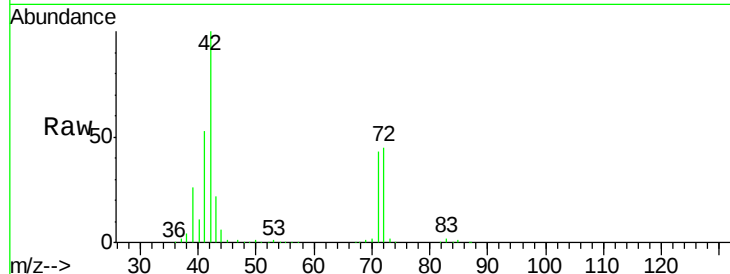
#29
Tetrahydrofuran
Concen: 90.31 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	32.0	48.0
71	42.6	30.1	45.1

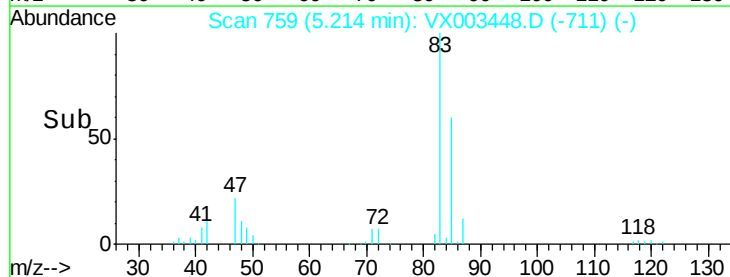
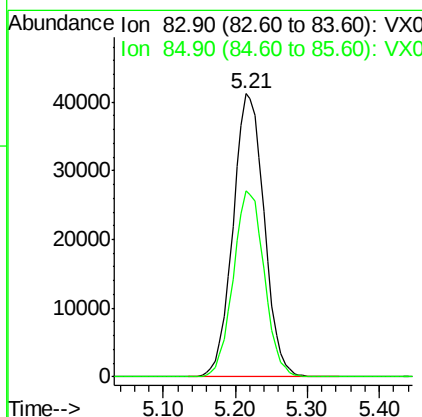
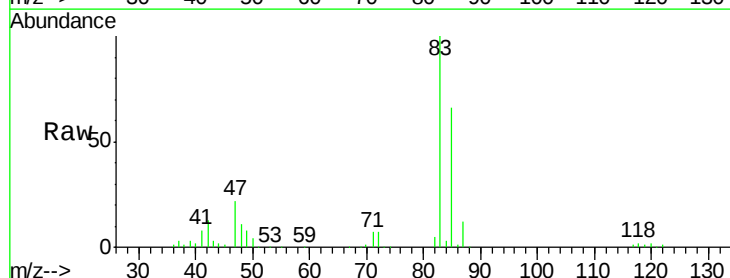
Manual Integrations
APPROVED

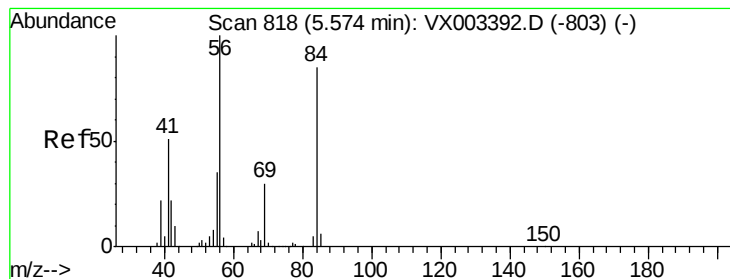
MMDadoda
7/19/2018 1:04:15 PM



#30
Chloroform
Concen: 19.12 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.4	75.6





#31

Cyclohexane

Concen: 19.15 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

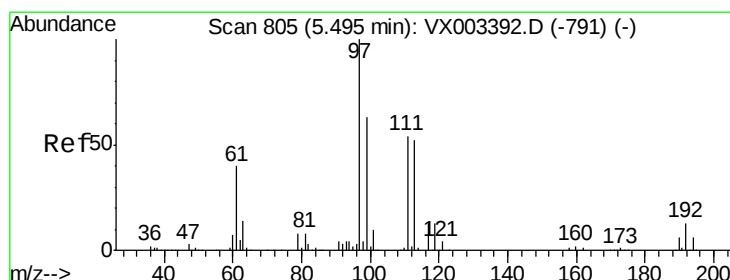
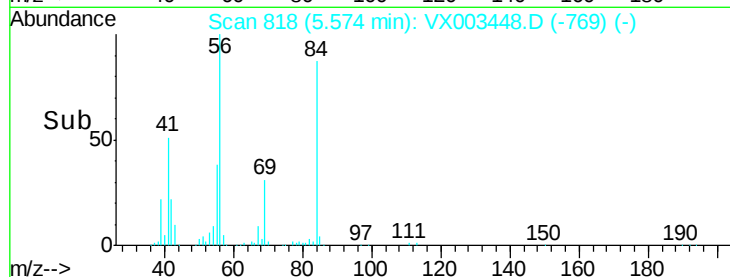
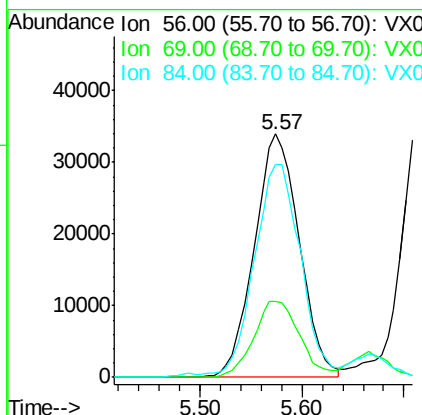
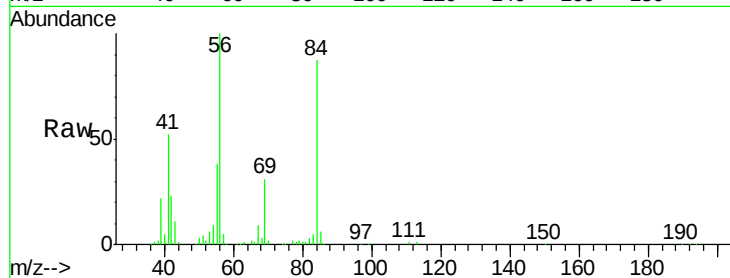
ClientSampleId :

VX0718WBSD01

Tot Ion:	56	Resp:	103805
Ion Ratio		Lower	Upper
56	100		
69	31.1	23.7	35.5
84	85.8	64.1	96.1

Manual Integrations
APPROVED

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7/19/2018 1:04:15 PM



#32

1,1,1-Trichloroethane

Concen: 19.26 ug/l

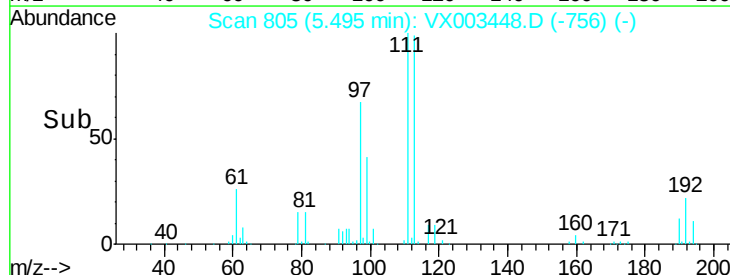
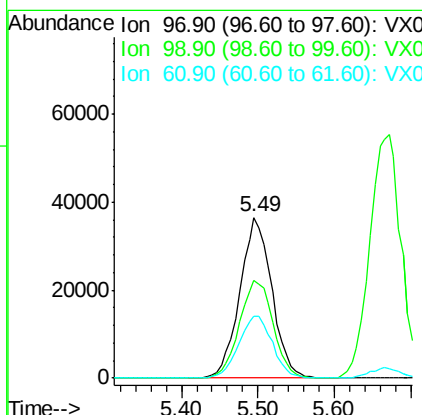
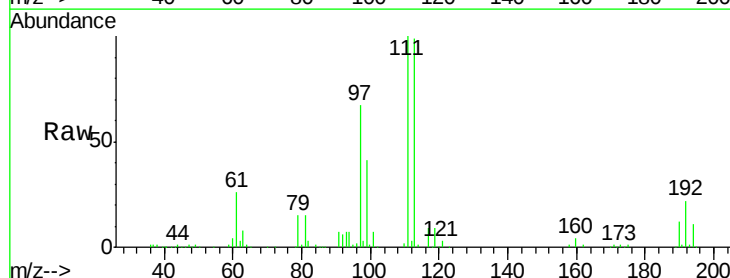
RT: 5.49 min Scan# 805

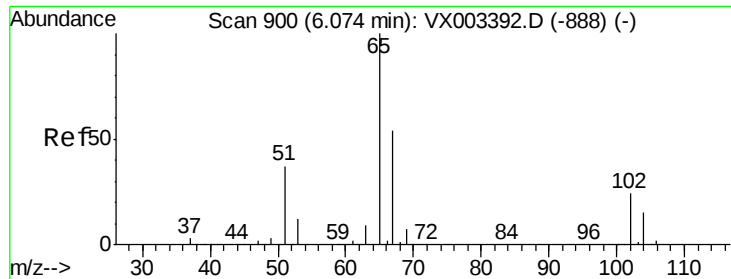
Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion:	97	Resp:	105967
Ion Ratio		Lower	Upper
97	100		
99	64.3	51.6	77.4
61	40.7	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 47.77 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 65 Resp: 208685

Ion Ratio Lower Upper

65 100

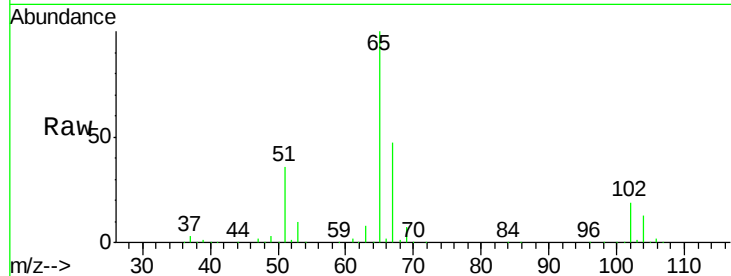
67 54.0 0.0 102.6

Manual Integrations

APPROVED

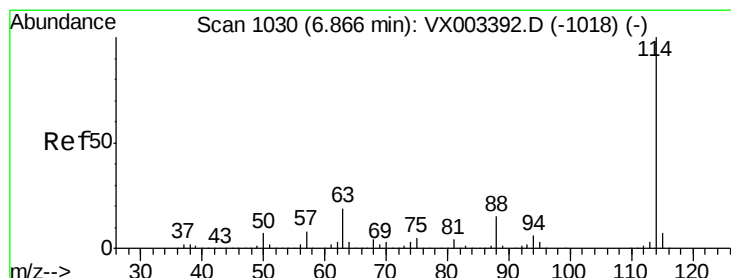
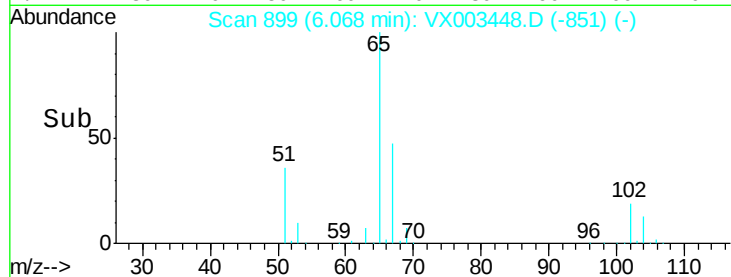
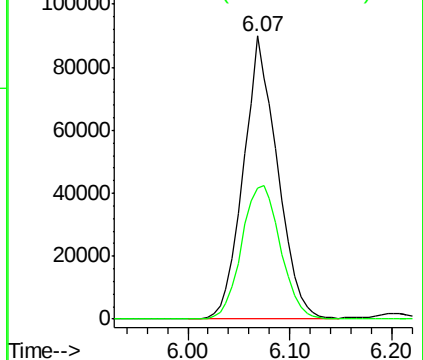
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

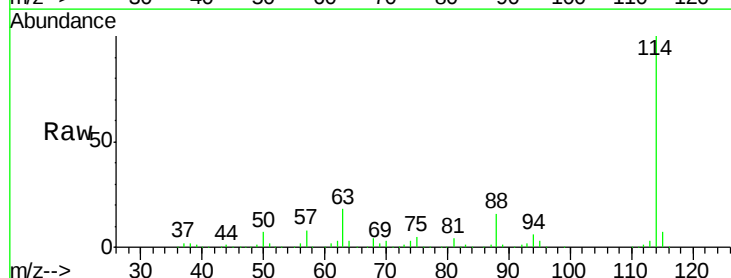
Tgt Ion: 114 Resp: 476080

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.4

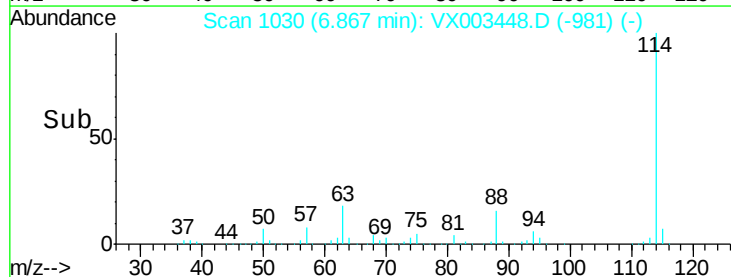
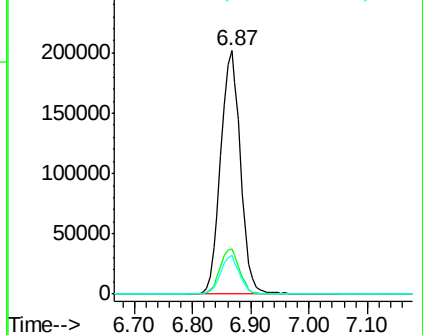
88 16.2 0.0 30.0

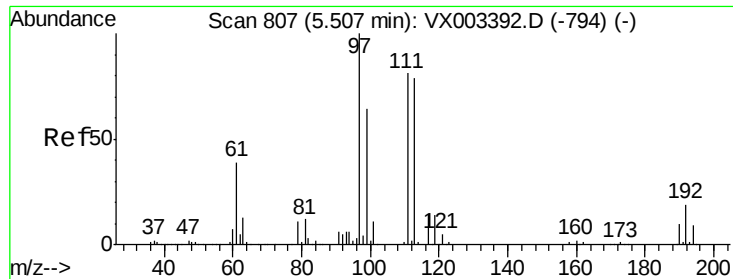


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





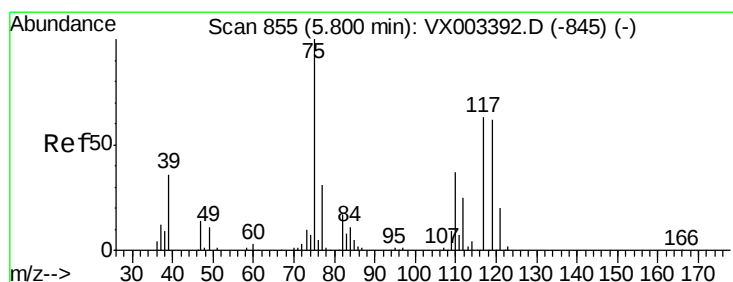
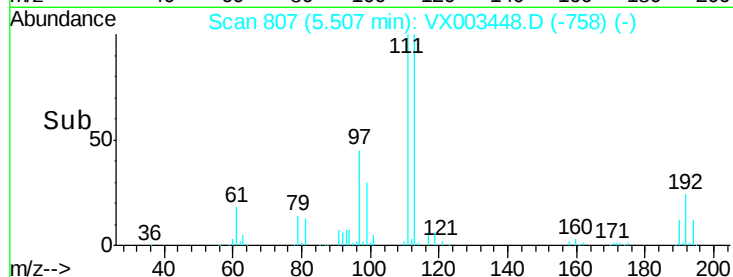
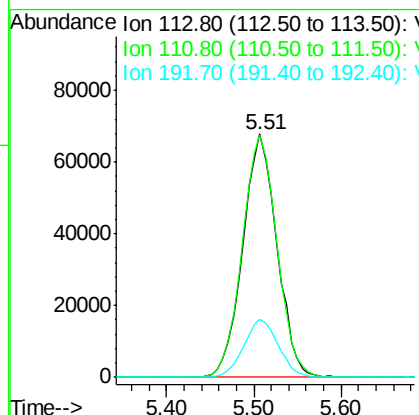
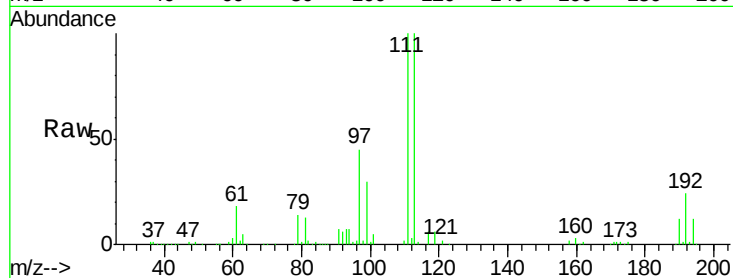
#35
 Dibromofluoromethane
 Concen: 47.79 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184104		
111	101.4	81.4	122.0	
192	24.3	19.1	28.7	

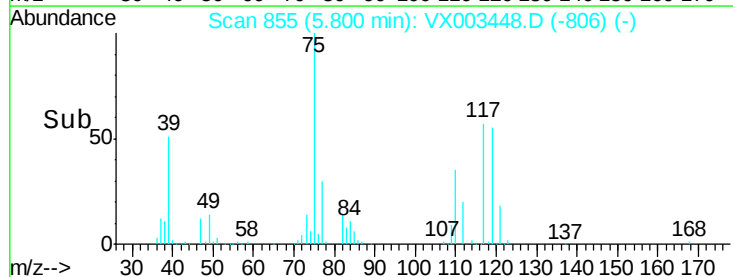
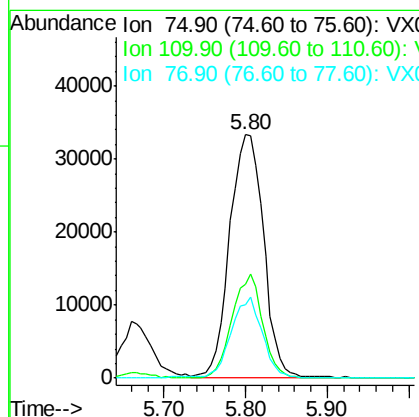
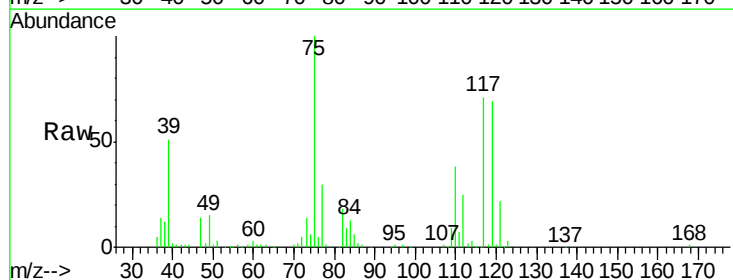
Manual Integrations
 APPROVED

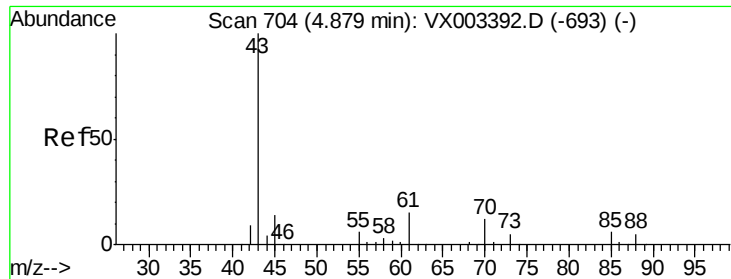
MMDadoda
 7/19/2018 1:04:15 PM



#36
 1,1-Dichloropropene
 Concen: 19.70 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94986		
110	38.8	18.1	54.4	
77	30.4	24.3	36.5	





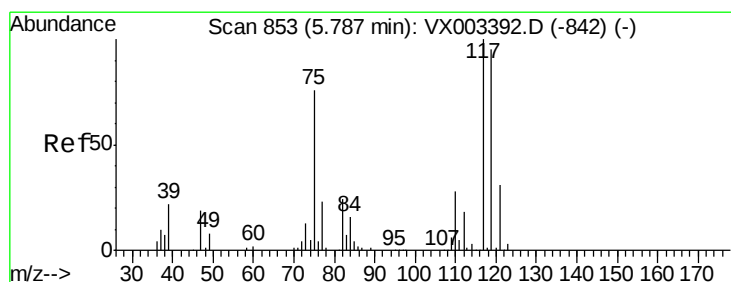
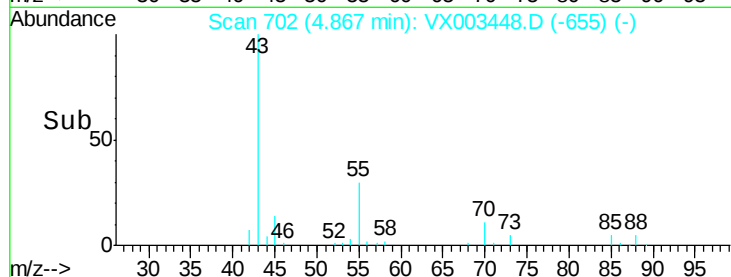
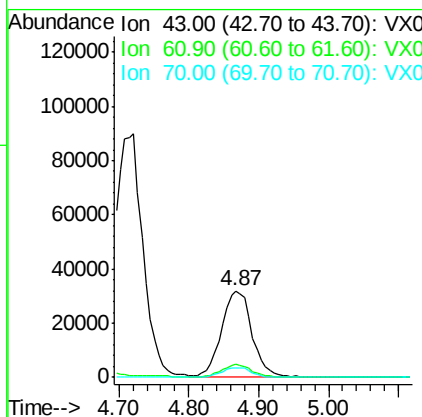
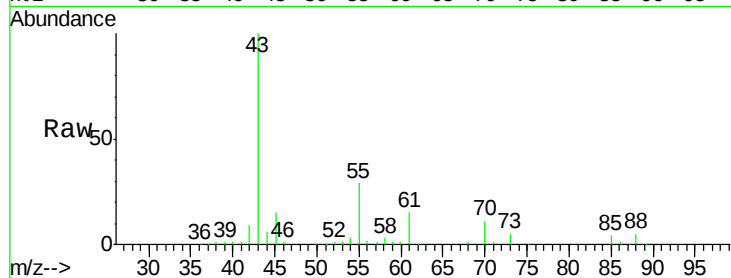
#37
Ethyl Acetate
Concen: 17.69 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.4	15.6
70	11.3	7.6	11.4

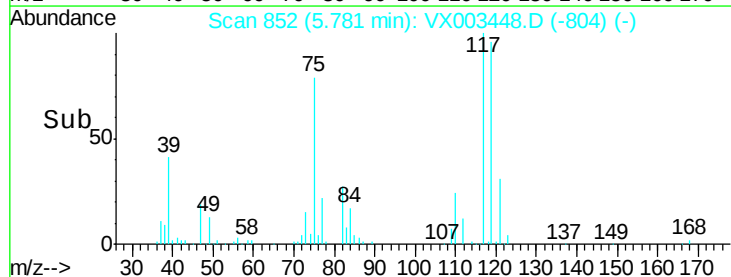
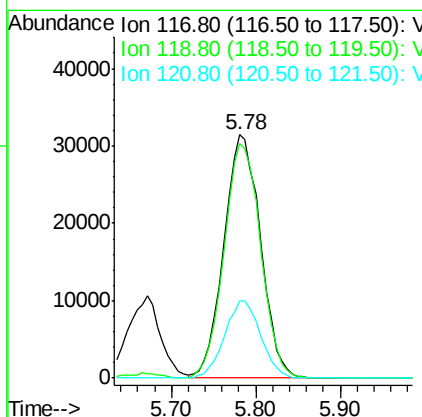
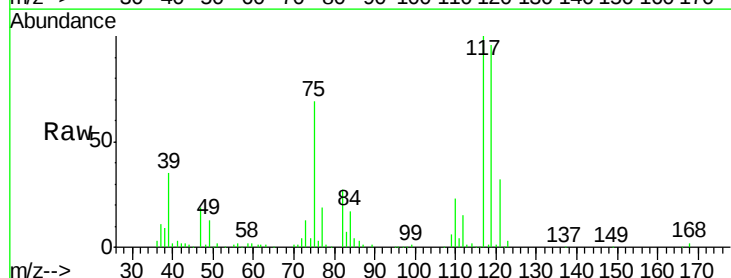
Manual Integrations
APPROVED

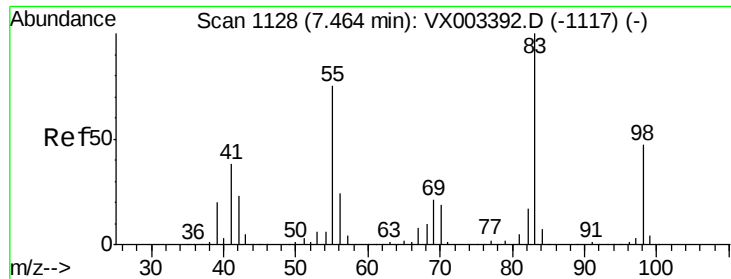
MMDadoda
7/19/2018 1:04:15 PM



#38
Carbon Tetrachloride
Concen: 18.96 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	31.8	24.4	36.6





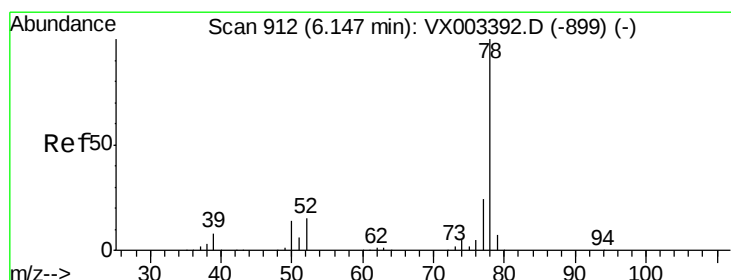
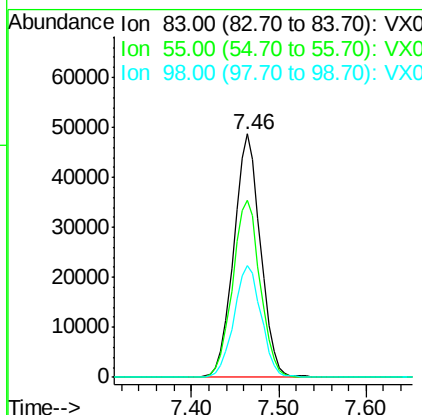
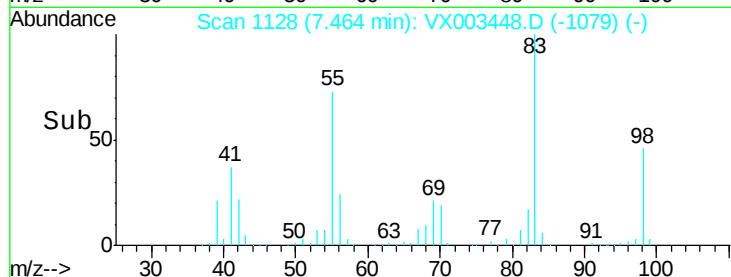
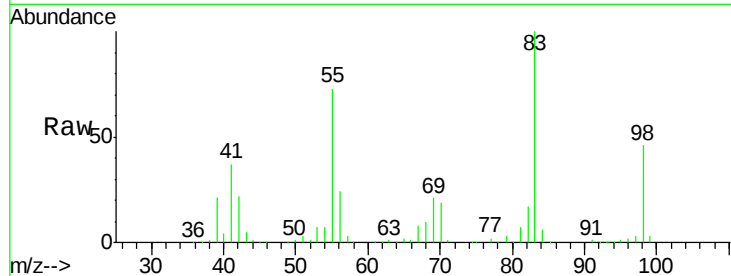
#39
Methvlcvclohexane
Concen: 18.75 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.6	65.4	98.0	
98	45.8	37.4	56.0	

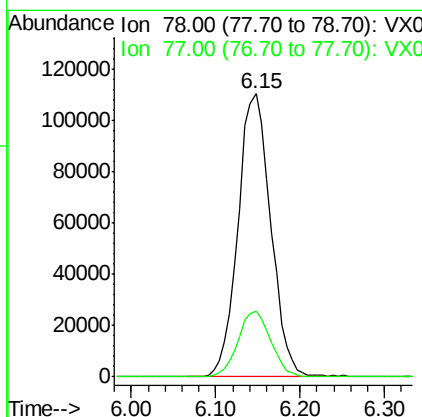
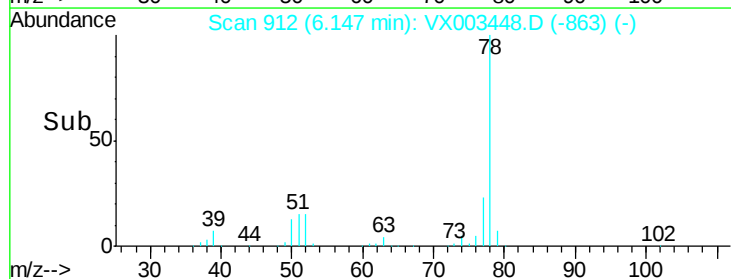
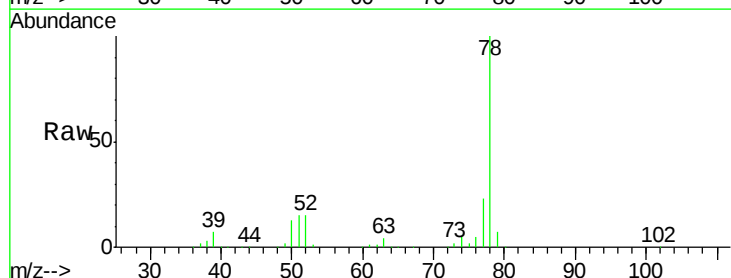
Manual Integrations
APPROVED

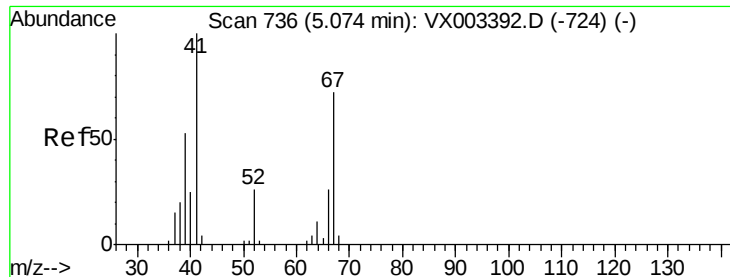
MMDadoda
7/19/2018 1:04:15 PM



#40
Benzene
Concen: 19.77 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.1	28.7	





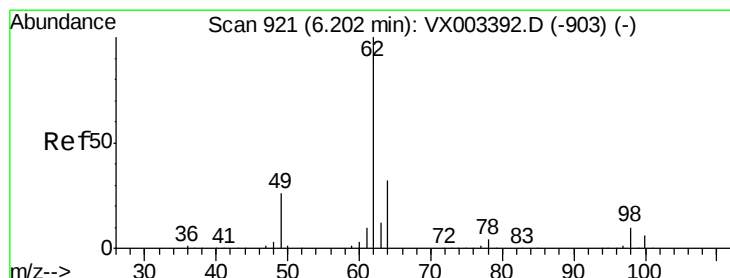
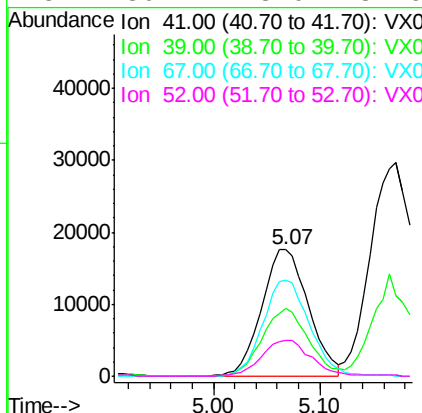
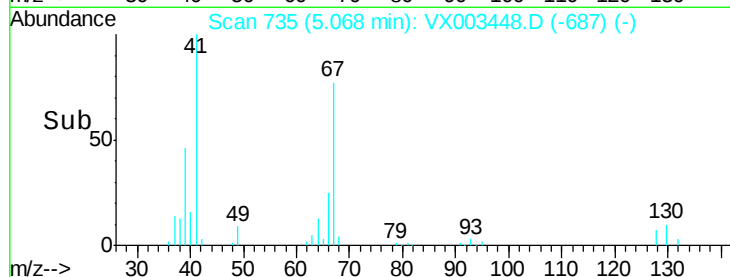
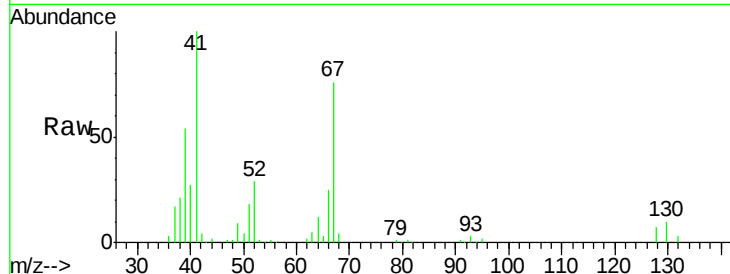
#41
Methacrylonitrile
Concen: 17.99 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion:	41	Resp:	53735
Ion	Ratio	Lower	Upper
41	100		
39	53.4	45.8	68.6
67	76.0	51.3	76.9
52	30.1	23.0	34.6

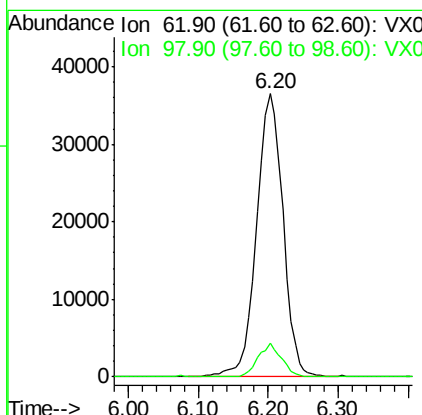
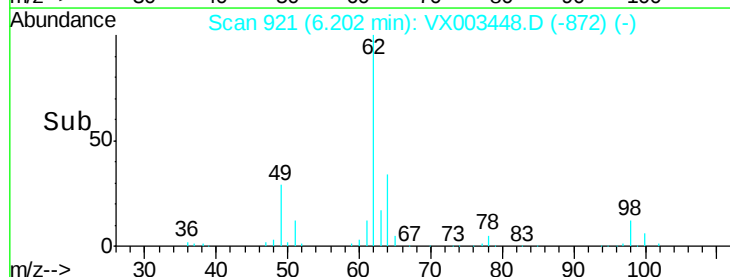
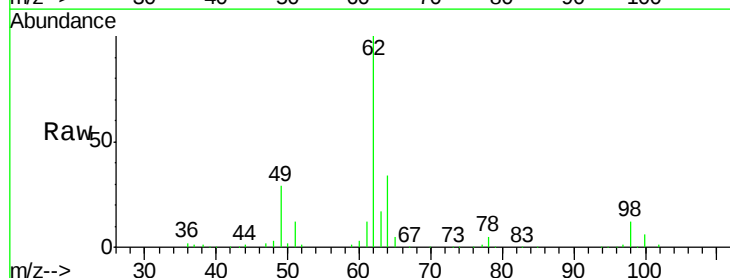
Manual Integrations
APPROVED

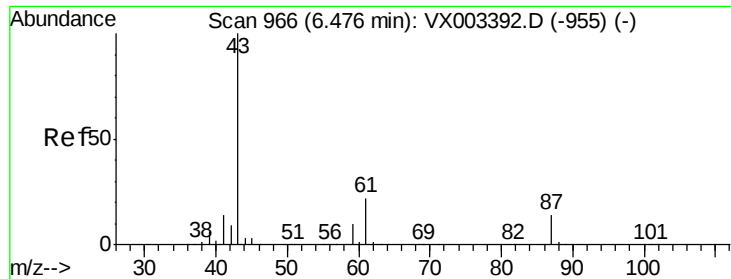
MMDadoda
7/19/2018 1:04:15 PM



#42
1,2-Dichloroethane
Concen: 18.99 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion:	62	Resp:	95501
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.6





#43

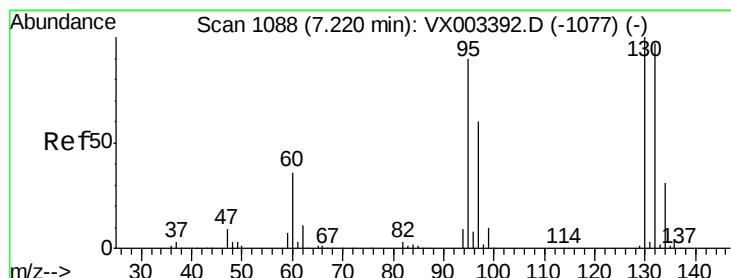
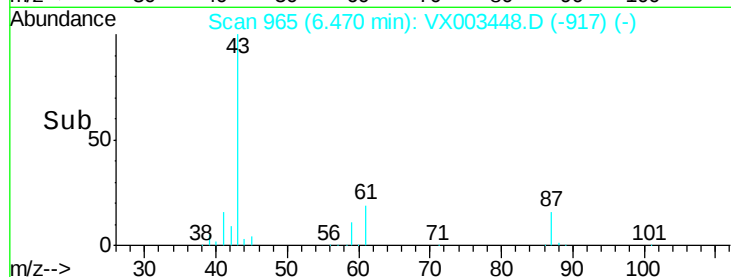
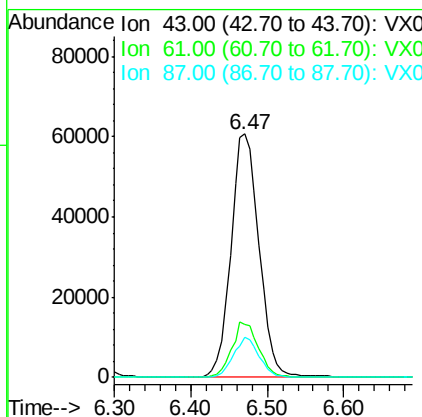
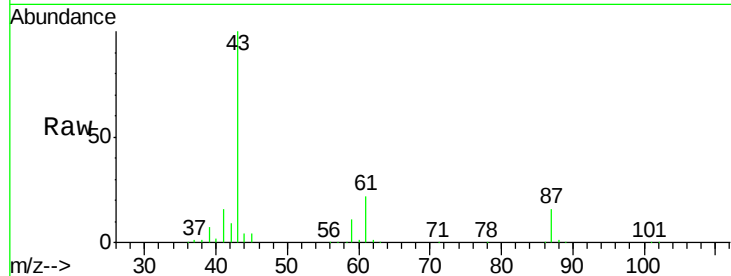
Isopropyl Acetate
 Concen: 18.66 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	14.4	21.6#
87	15.1	9.5	14.3#

Manual Integrations
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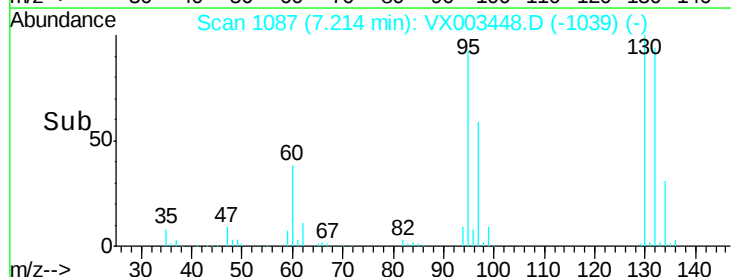
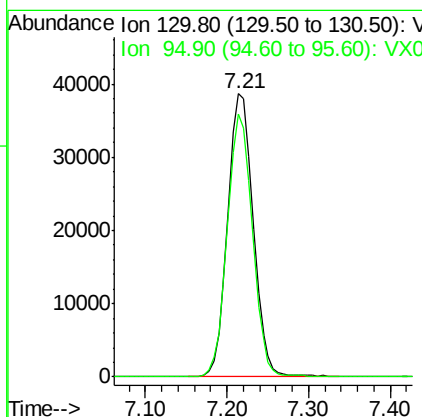
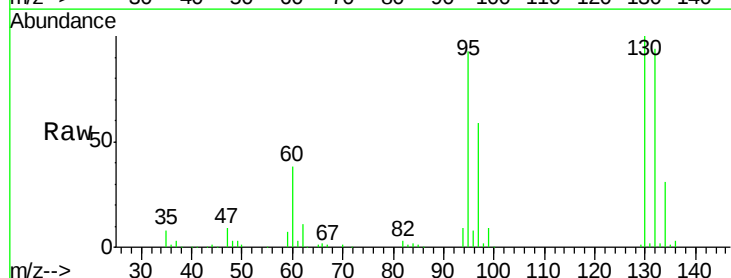
MMDadoda
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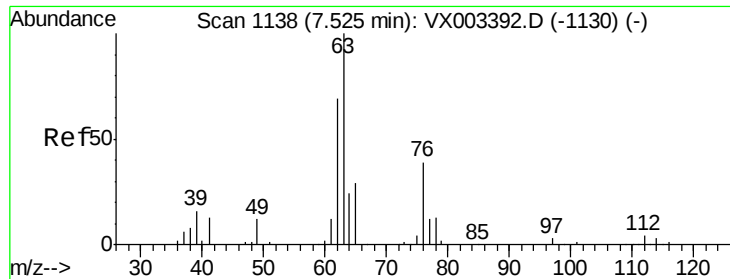


#44

Trichloroethene
 Concen: 19.70 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.40 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 63 Resp: 74010

Ion Ratio Lower Upper

63 100

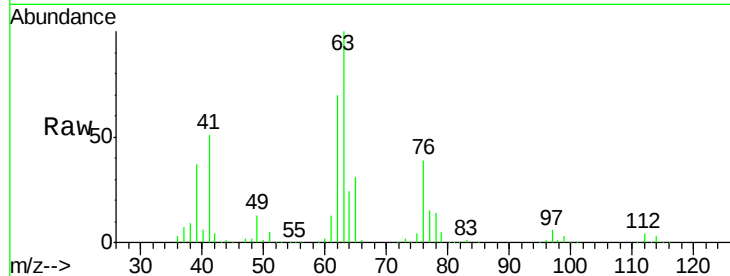
65 30.9 24.7 37.1

Manual Integrations

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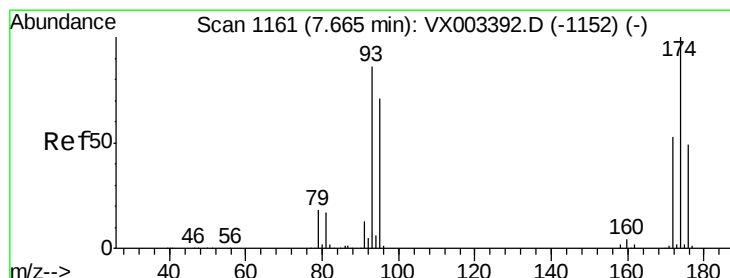
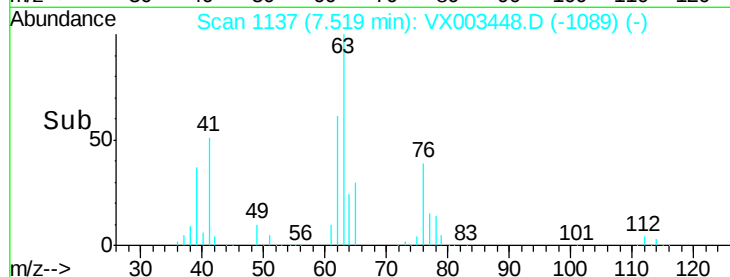
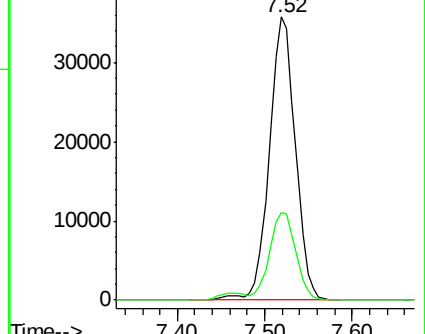
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.82 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

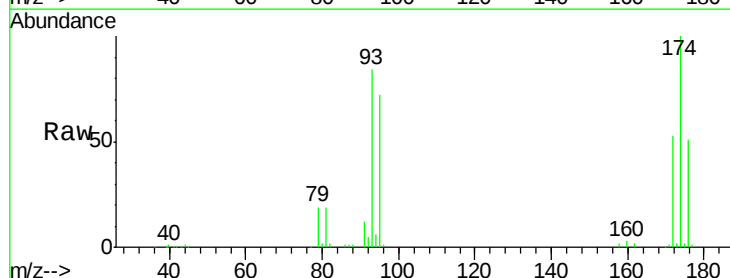
Tgt Ion: 93 Resp: 47815

Ion Ratio Lower Upper

93 100

95 84.6 65.9 98.9

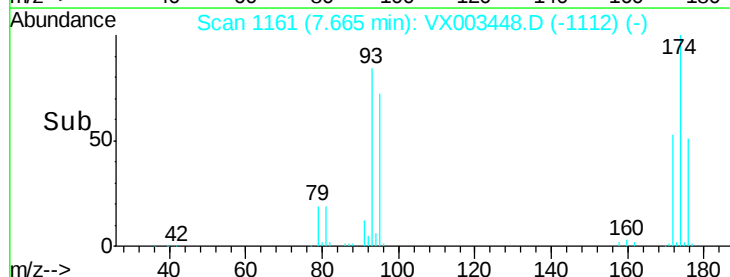
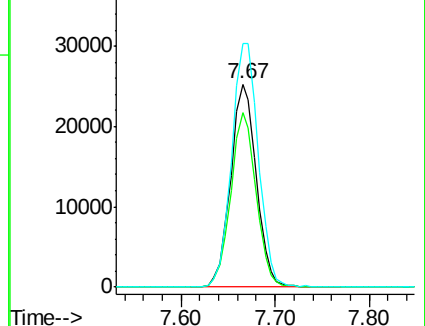
174 124.8 92.4 138.6

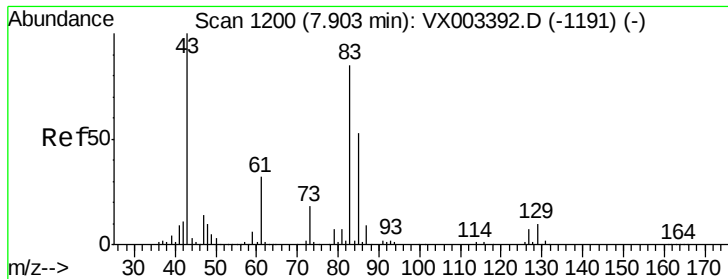


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.05 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

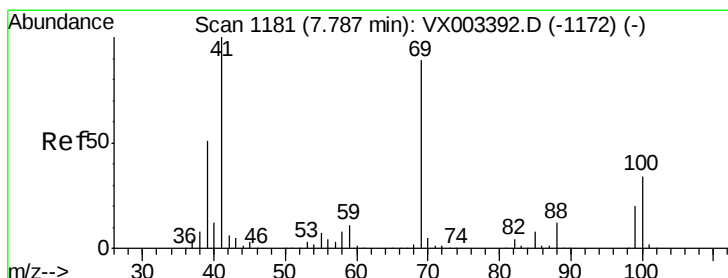
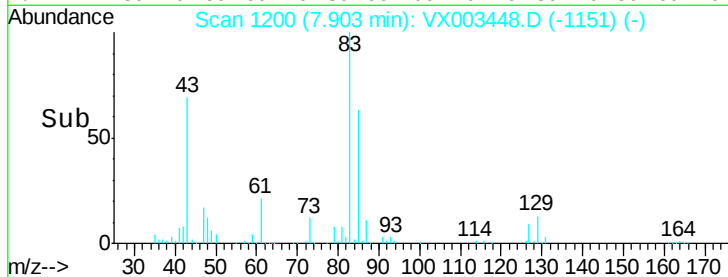
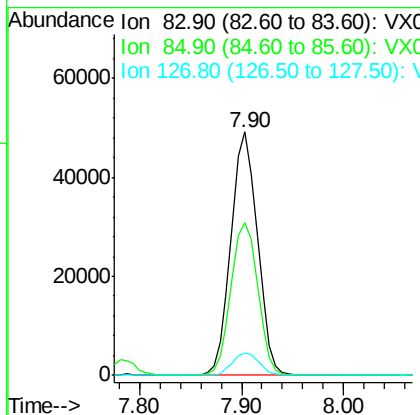
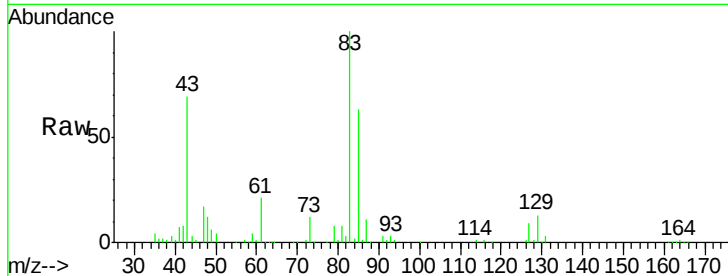
ClientSampleId :

VX0718WBSD01

Tot Ion:	83	Resp:	88616
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.52 ug/l

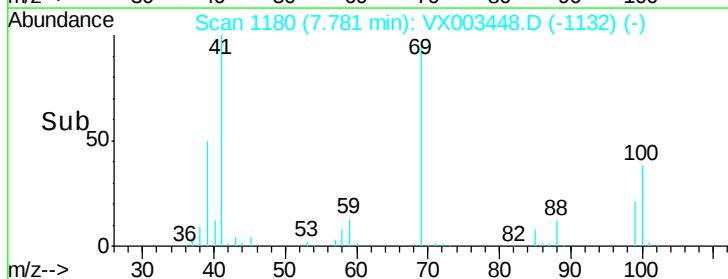
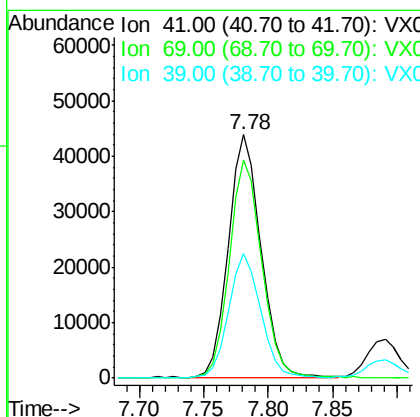
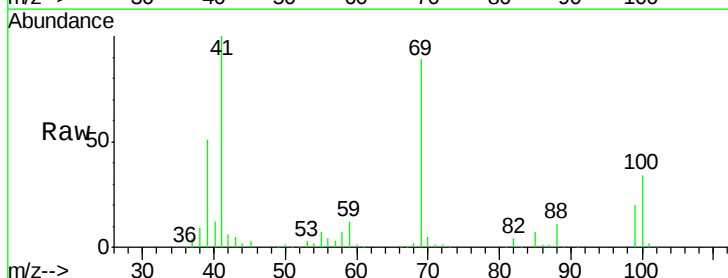
RT: 7.78 min Scan# 1180

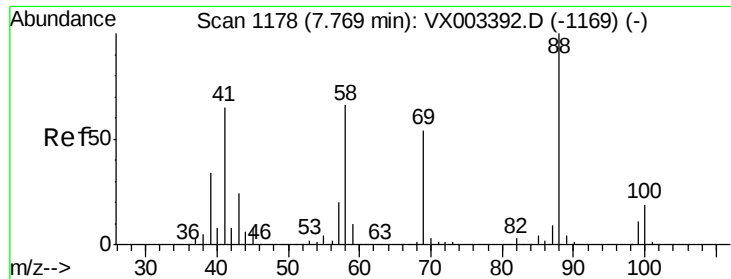
Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion:	41	Resp:	77456
Ion Ratio	Lower	Upper	
41	100		
69	89.3	59.1	88.7#
39	50.4	48.9	73.3





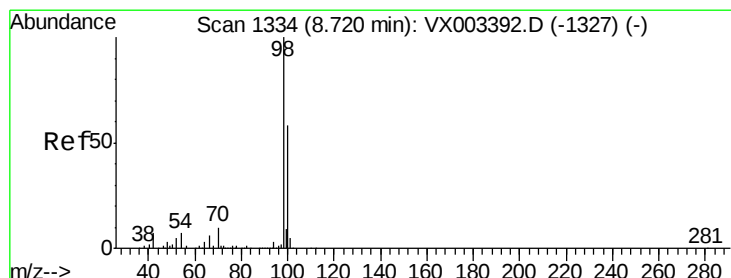
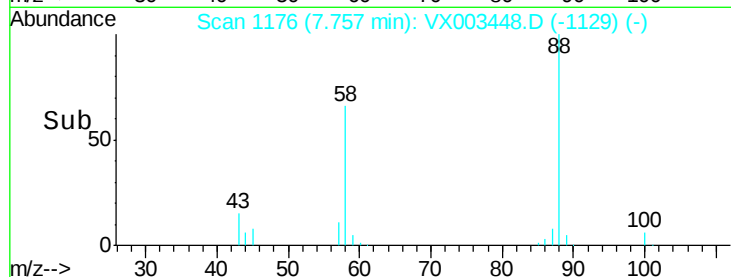
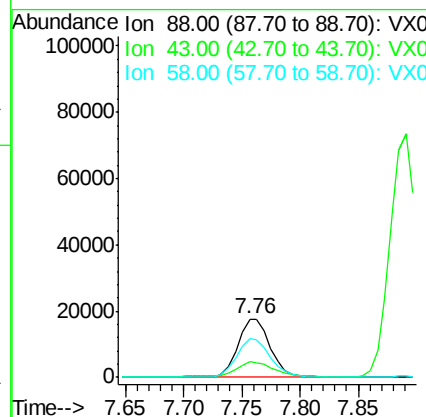
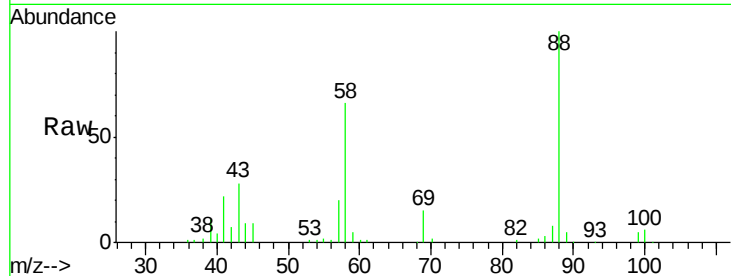
#49
1,4-Dioxane
Concen: 357.73 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.8	44.6
58	69.6	57.1	85.7

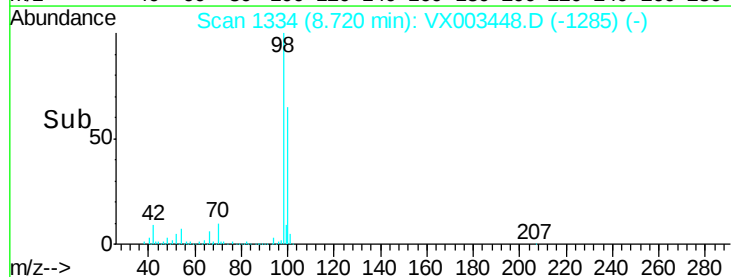
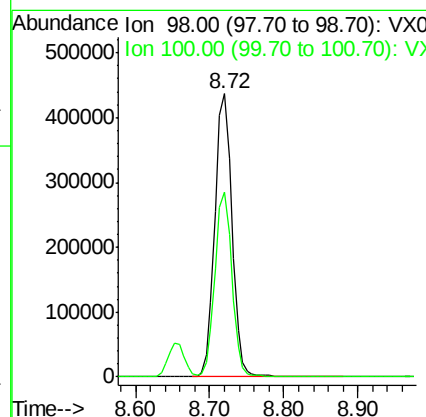
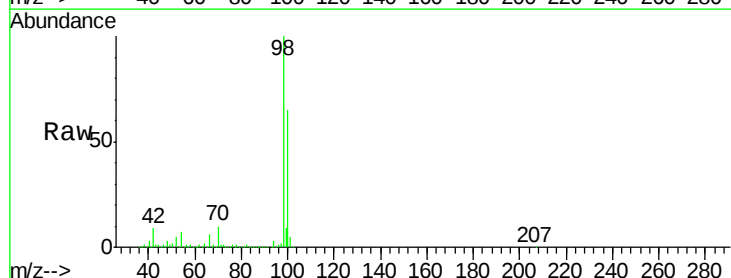
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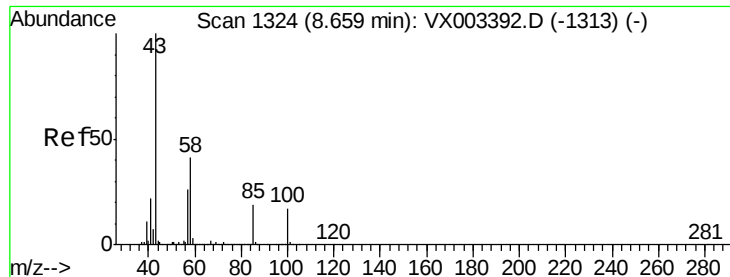
MMDadoda
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#50
Toluene-d8
Concen: 48.72 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3





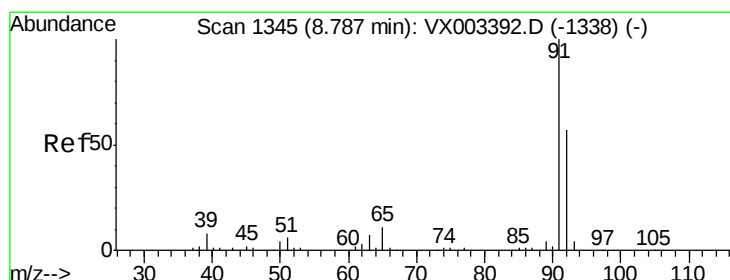
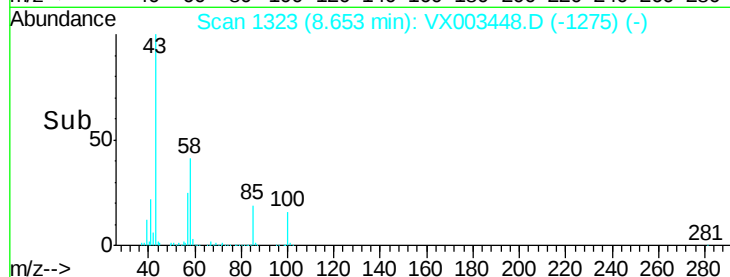
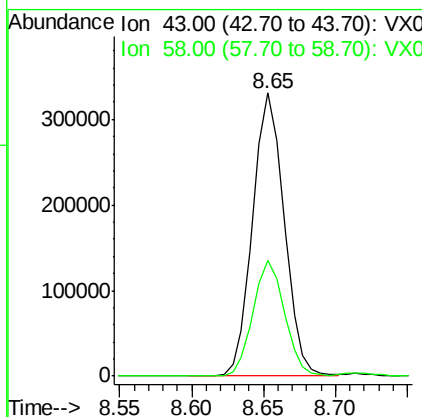
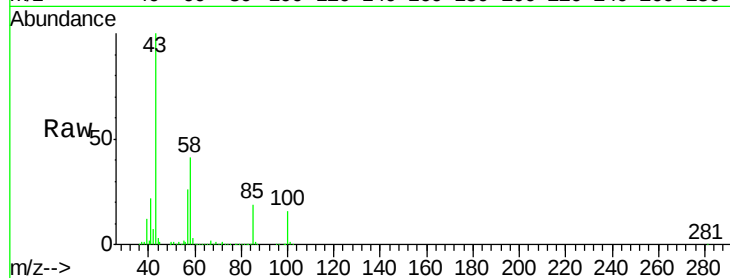
#51
4-Methyl-2-Pentanone
Concen: 92.79 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	28.6	42.8

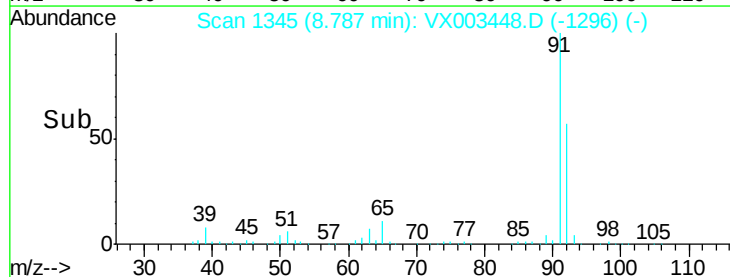
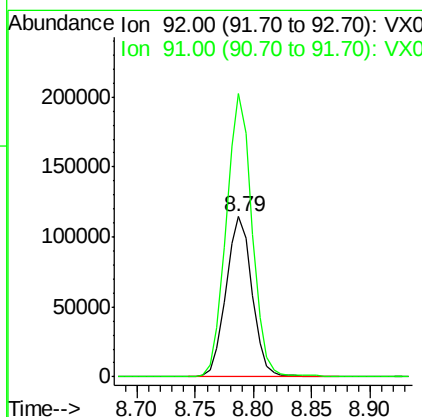
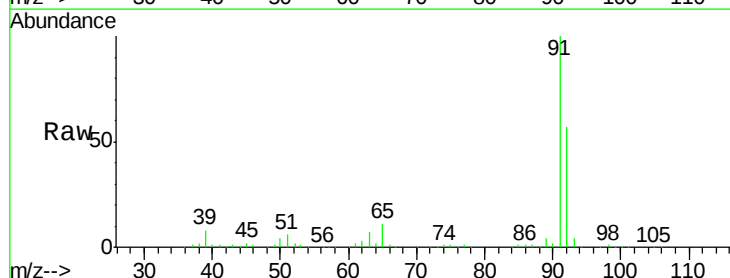
Manual Integrations
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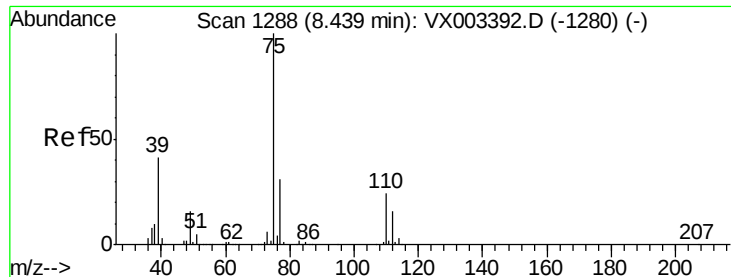
MMDadoda
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#52
Toluene
Concen: 19.44 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 75 Resp: 105475

Ion Ratio Lower Upper

75 100

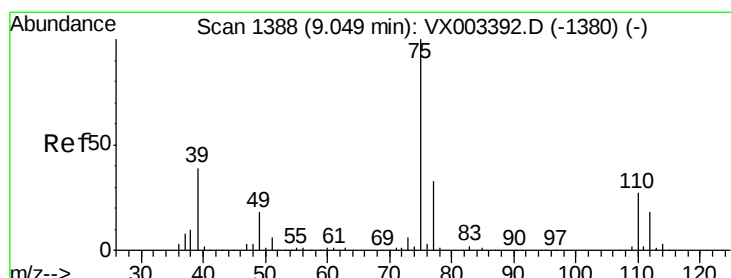
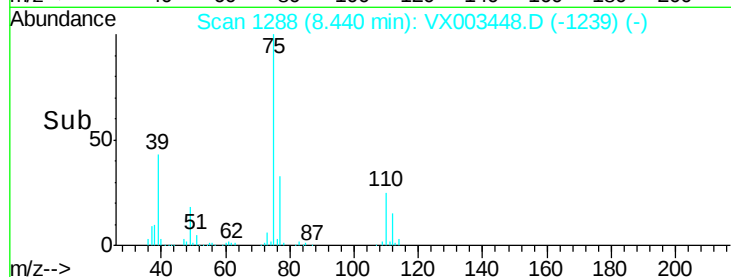
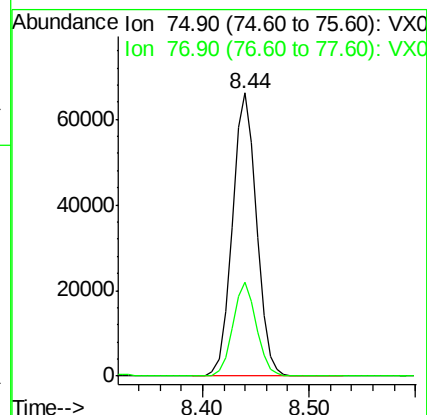
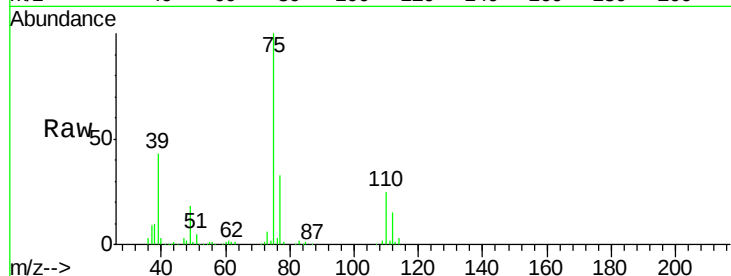
77 33.0 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.71 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

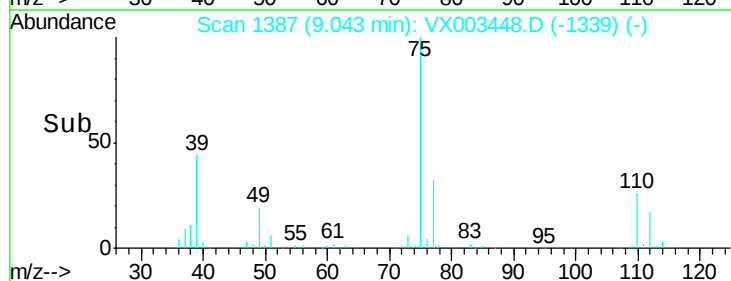
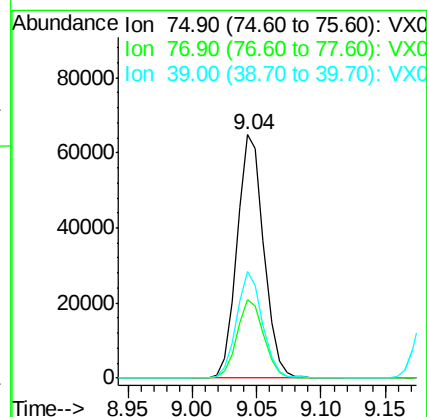
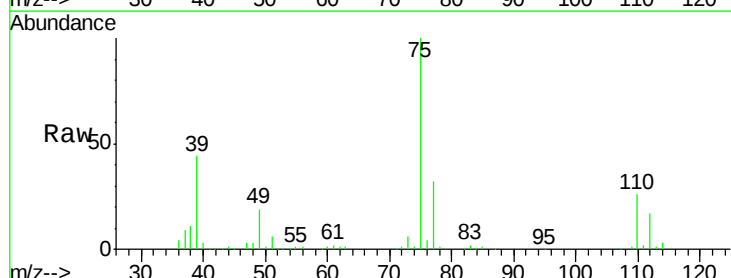
Tgt Ion: 75 Resp: 93815

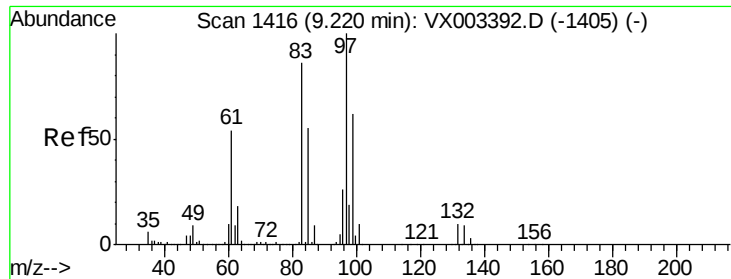
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 43.7 42.4 63.6





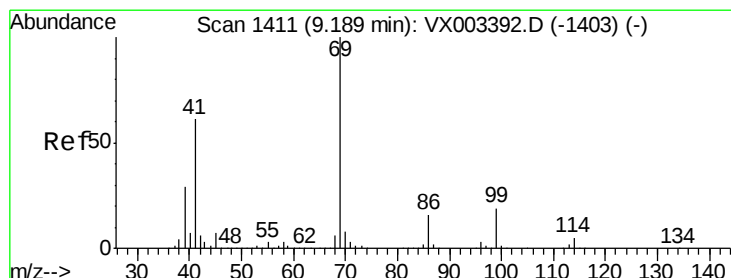
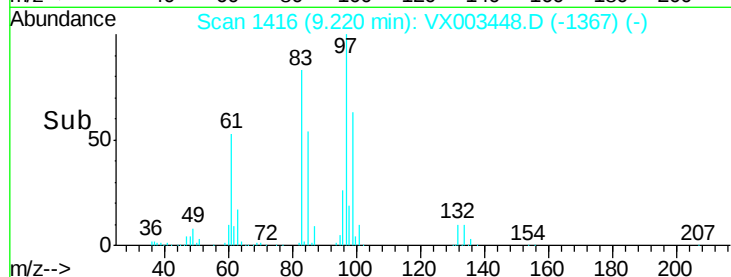
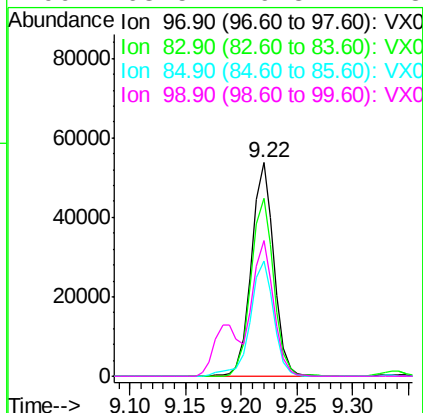
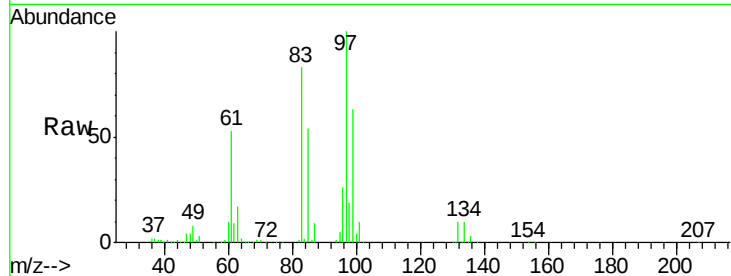
#55
 1,1,2-Trichloroethane
 Concen: 19.67 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion:	97	Resp:	75491
Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.2	105.2
85	53.9	44.9	67.3
99	63.5	49.8	74.8

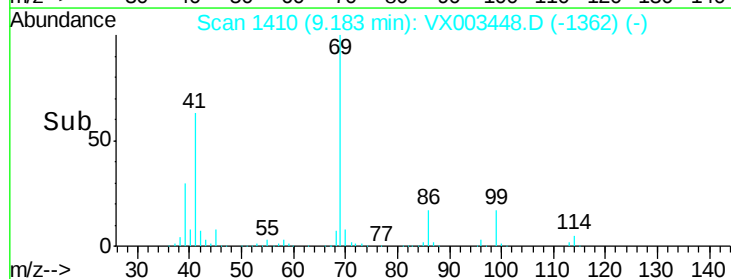
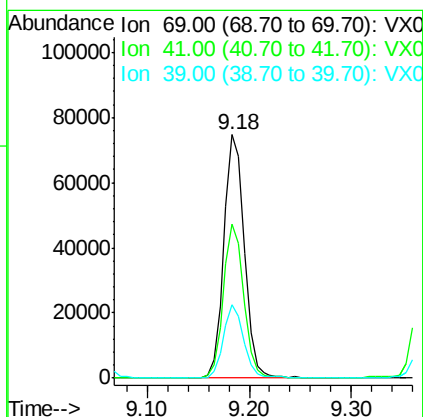
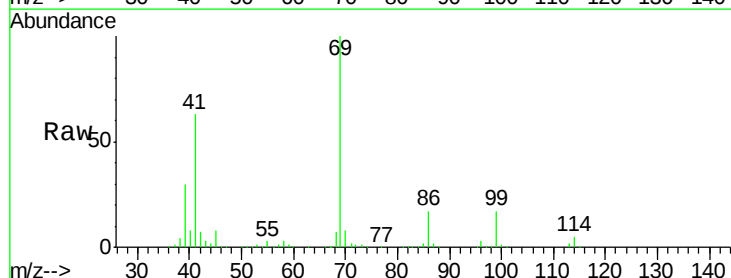
Manual Integrations
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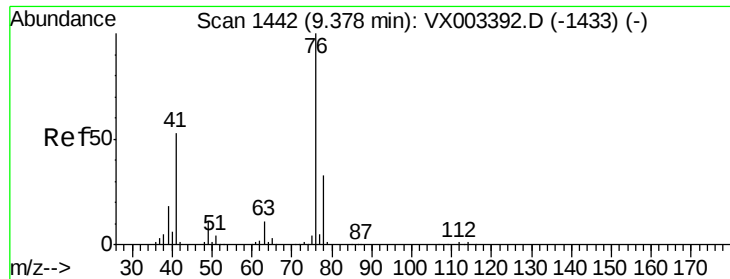
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#56
 Ethyl methacrylate
 Concen: 19.25 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion:	69	Resp:	104565
Ion	Ratio	Lower	Upper
69	100		
41	62.8	60.3	90.5
39	29.6	35.8	53.8#





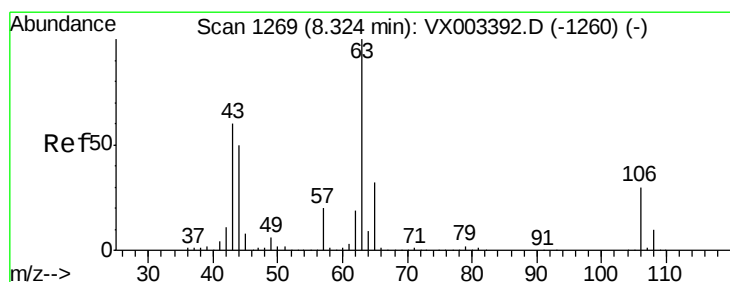
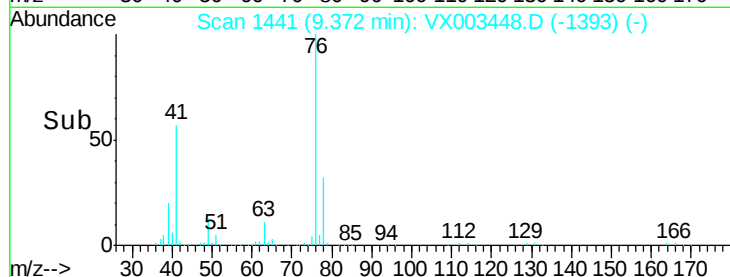
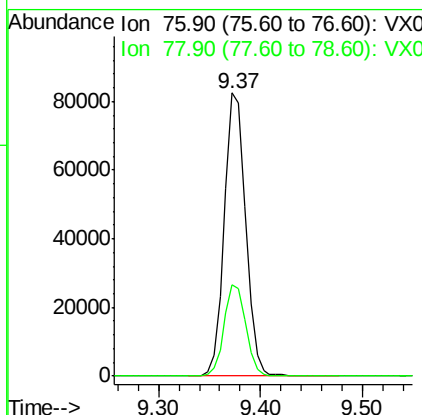
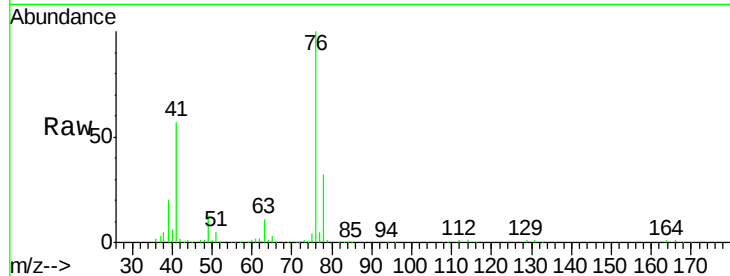
#57
 1,3-Dichloropropane
 Concen: 19.47 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion: 76 Resp: 120016
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6

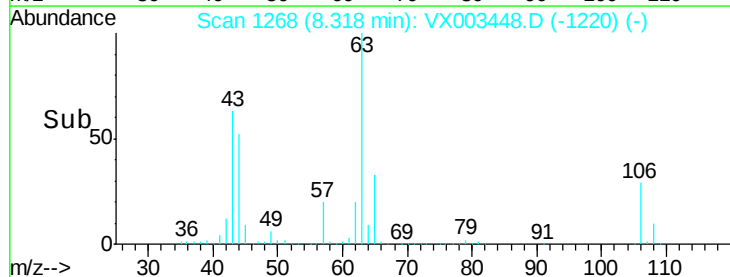
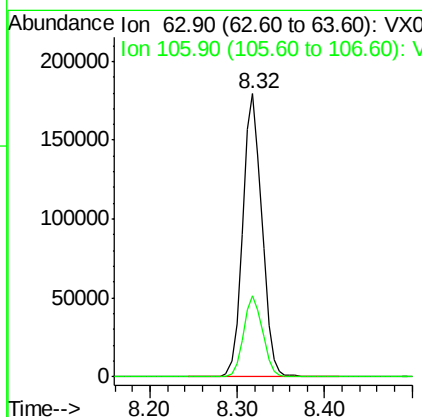
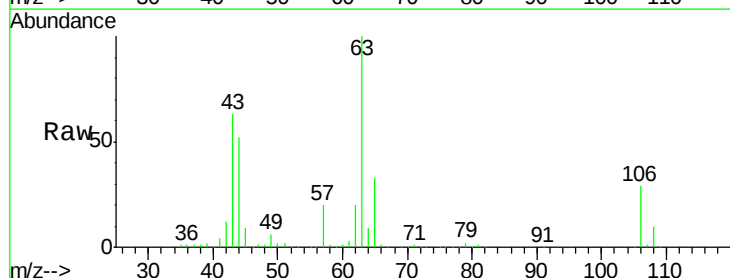
Manual Integrations
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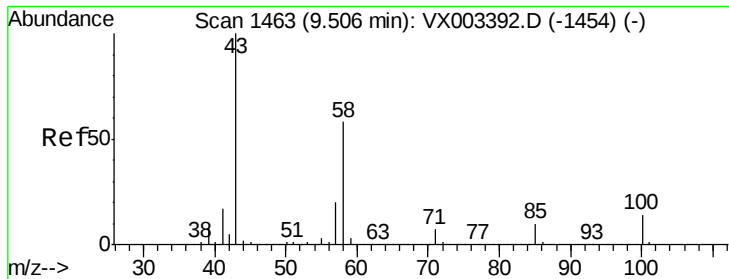
MMDadoda
 7/19/2018 1:04:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.60 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion: 63 Resp: 274057
 Ion Ratio Lower Upper
 63 100
 106 28.6 21.8 32.8





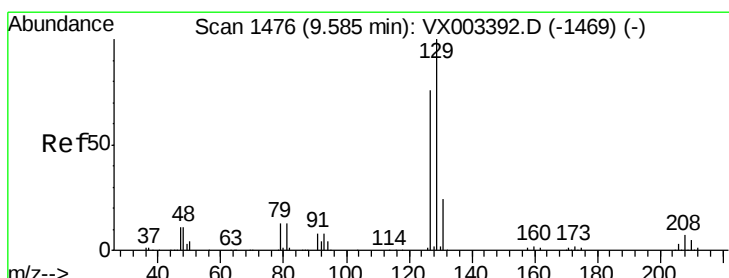
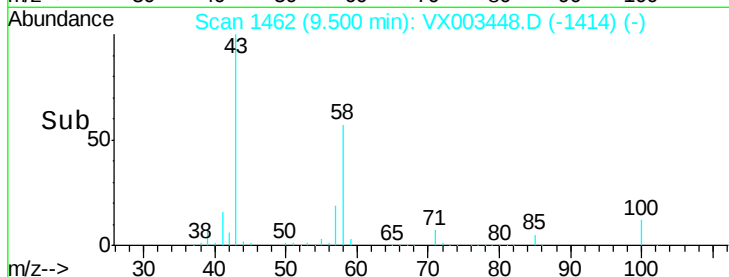
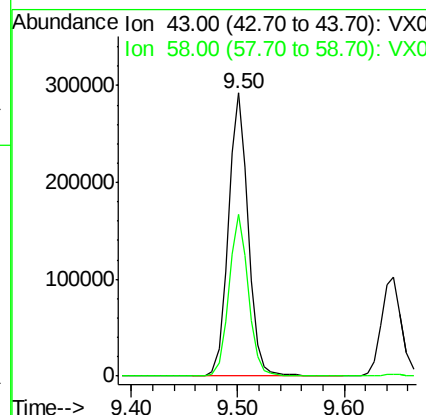
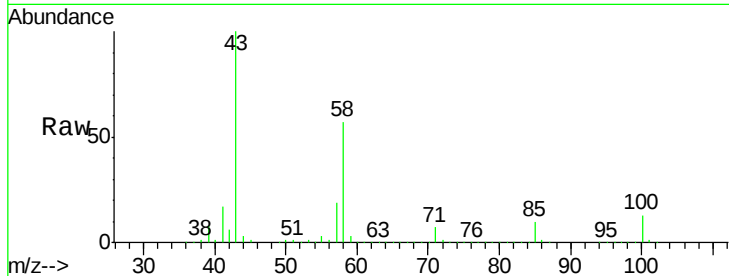
#59
2-Hexanone
Concen: 91.63 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion: 43 Resp: 379984
Ion Ratio Lower Upper
43 100
58 56.3 24.6 73.6

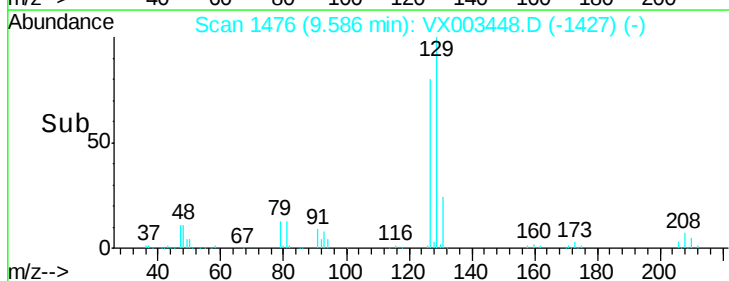
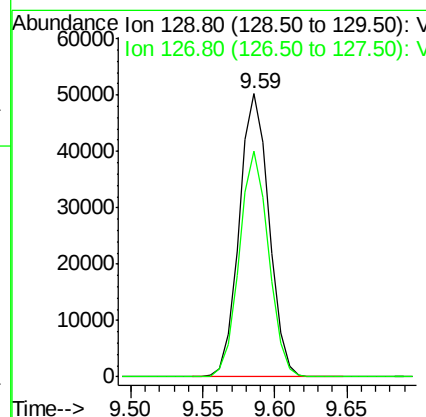
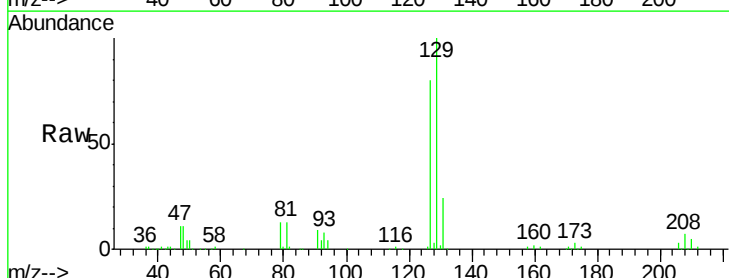
Manual Integrations
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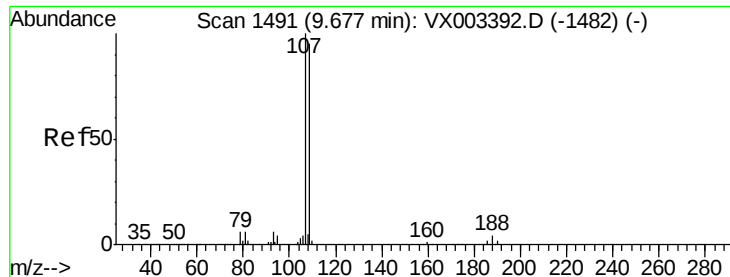
MMDadoda
7/19/2018 1:04:15 PM



#60
Dibromochloromethane
Concen: 18.99 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion: 129 Resp: 72413
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion:107 Resp: 76610

Ion Ratio Lower Upper

107 100

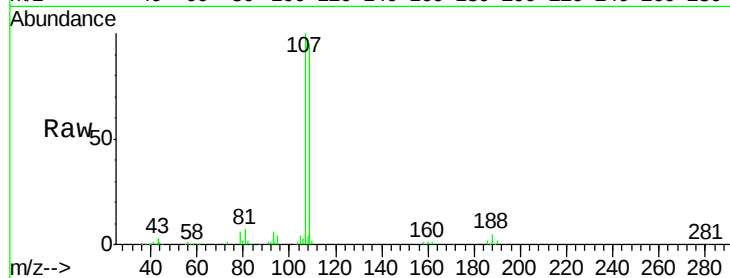
109 95.7 75.3 112.9

Manual Integrations

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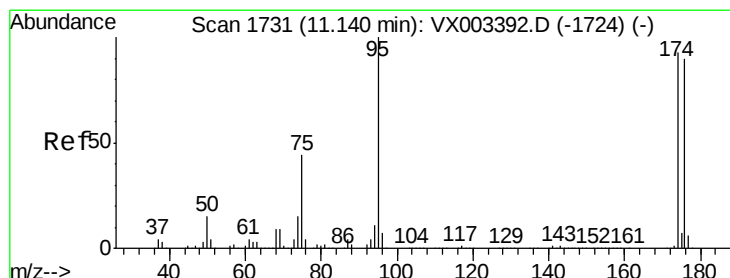
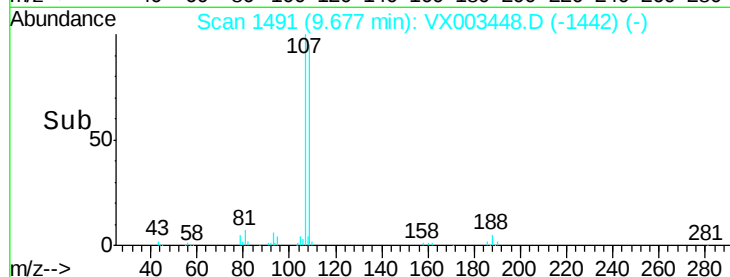
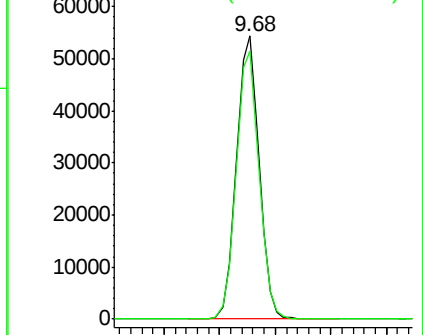
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

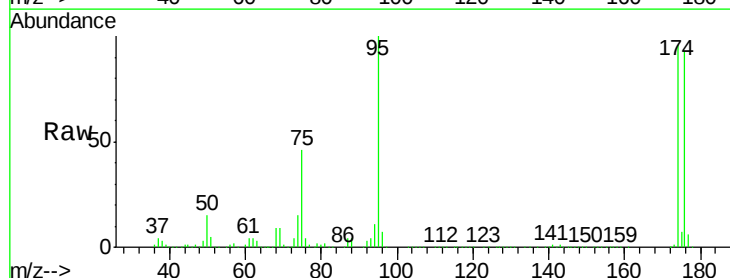
Tgt Ion: 95 Resp: 250281

Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.4

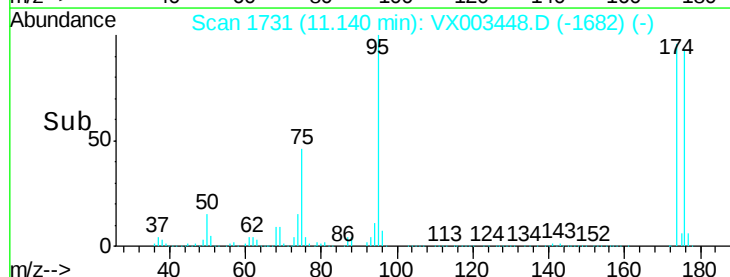
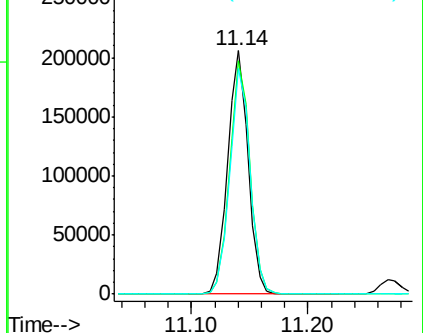
176 92.8 0.0 181.0

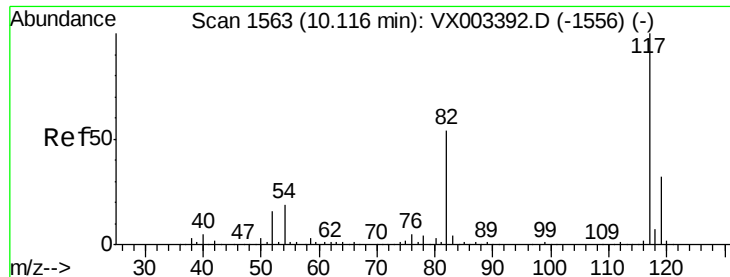


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

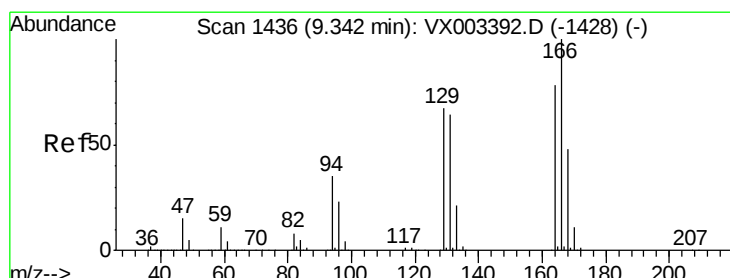
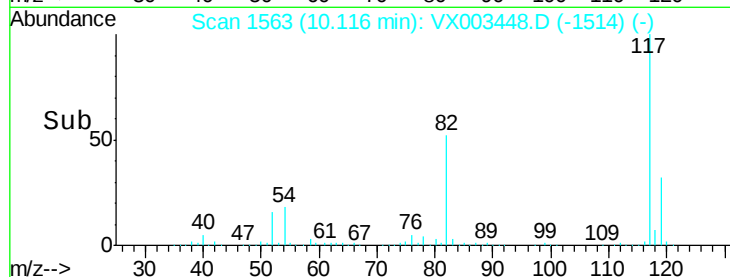
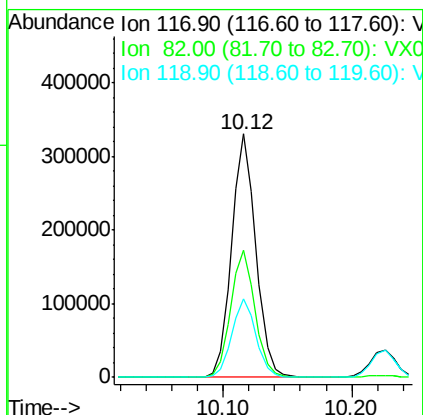
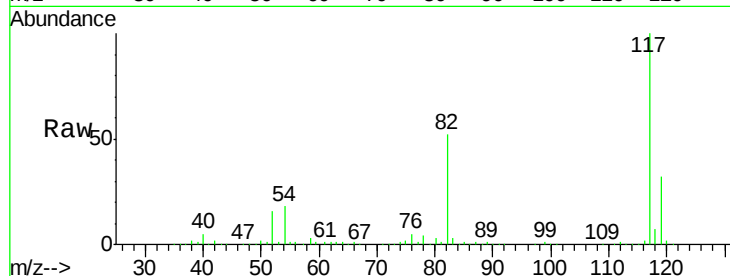
ClientSampleId :

VX0718WBSD01

Tot Ion:	117	Resp:	434641
Ion Ratio	Lower	Upper	
117	100		
82	52.3	45.0	67.4
119	32.4	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.24 ug/l

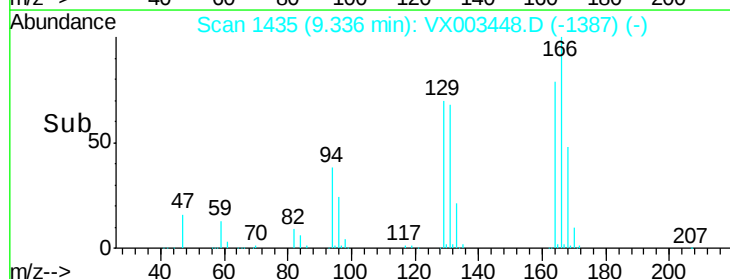
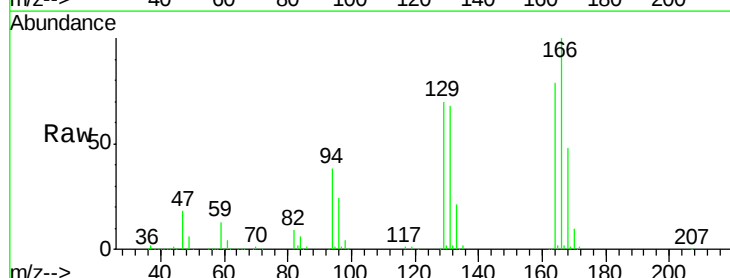
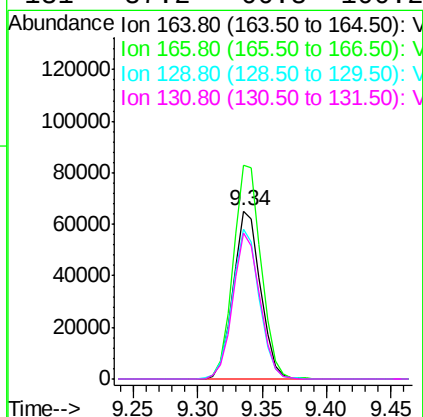
RT: 9.34 min Scan# 1435

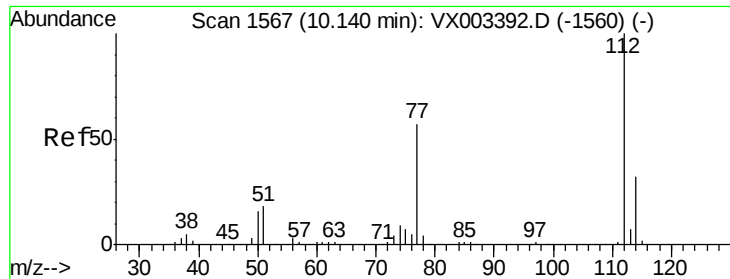
Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion:	164	Resp:	96585
Ion Ratio	Lower	Upper	
164	100		
166	127.3	102.9	154.3
129	89.7	68.6	102.8
131	87.2	66.8	100.2





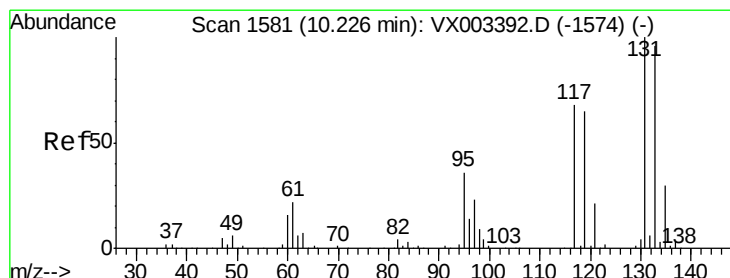
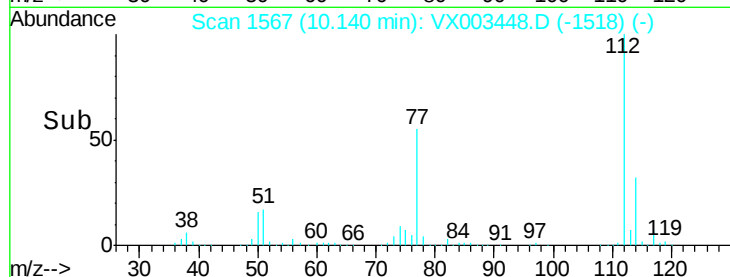
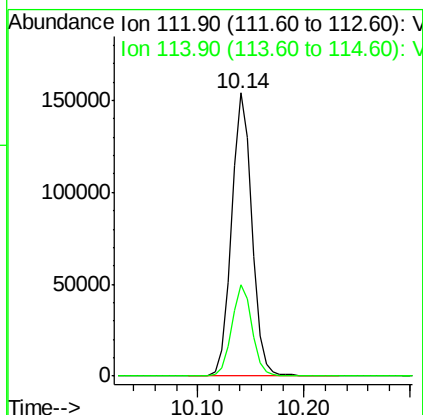
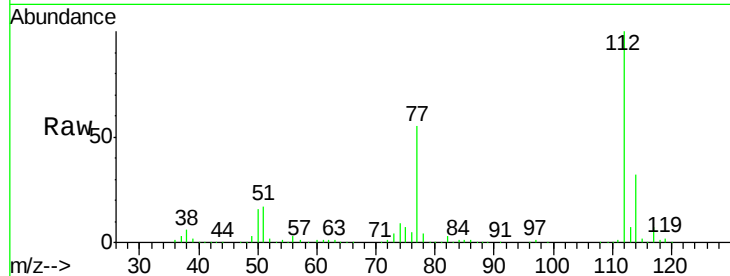
#65
Chlorobenzene
Concen: 20.20 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampled :
VX0718WBSD01

Tot Ion:112 Resp: 207417
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

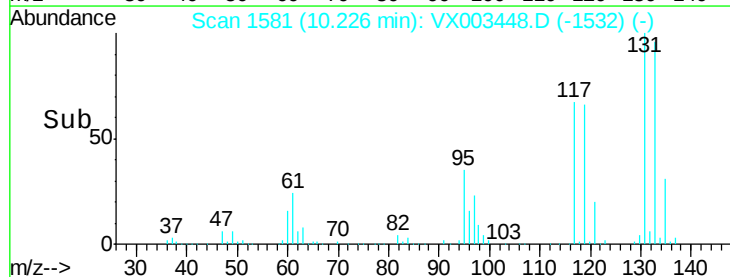
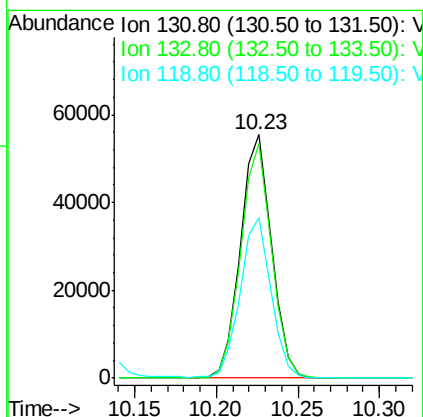
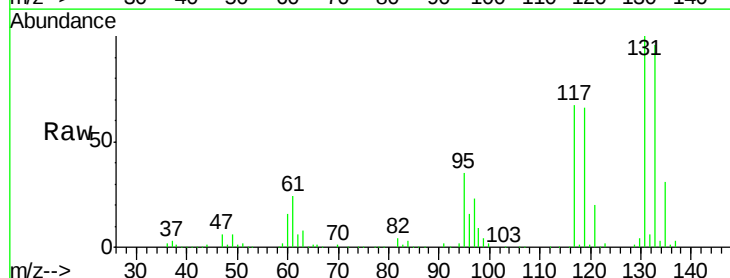
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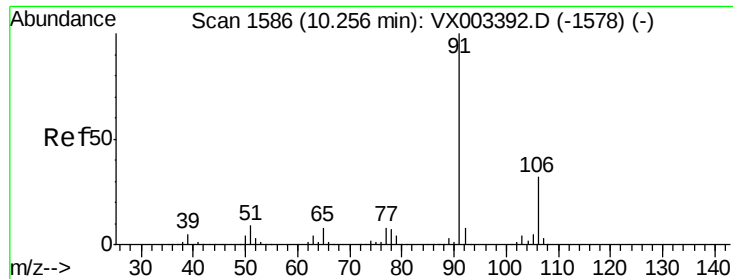
MMDadoda
7/19/2018 1:04:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.19 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion:131 Resp: 73707
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.6
119 65.6 31.8 95.3





#67

Ethyl Benzene

Concen: 20.15 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion: 91 Resp: 338110

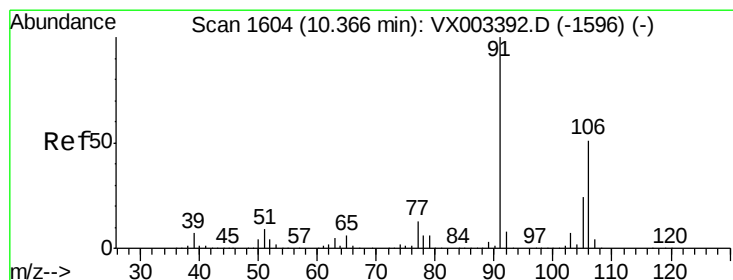
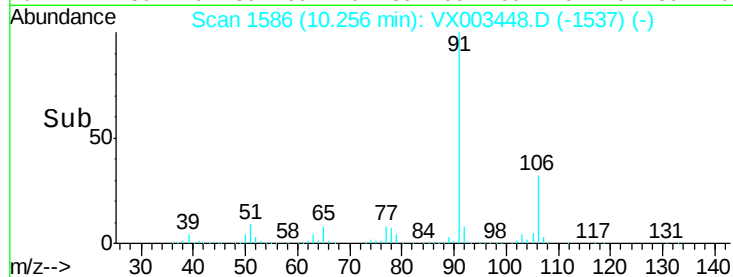
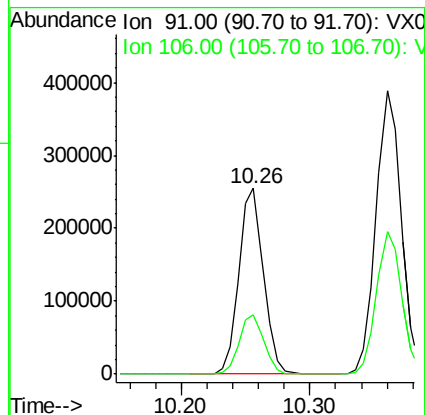
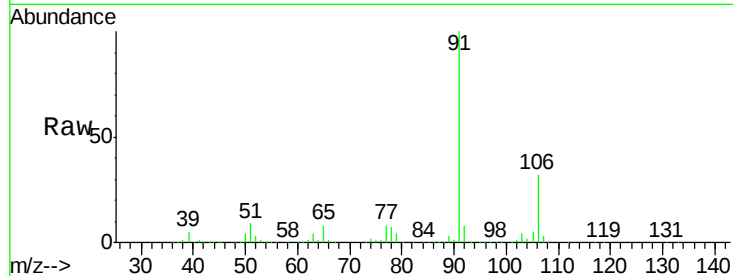
Ion Ratio Lower Upper

91 100

106 31.8 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.48 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003448.D

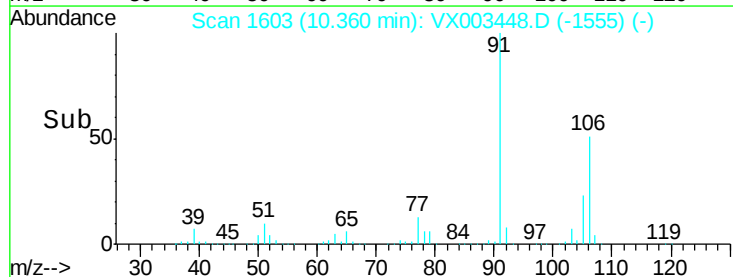
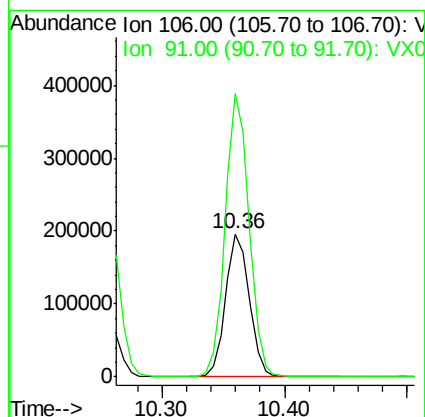
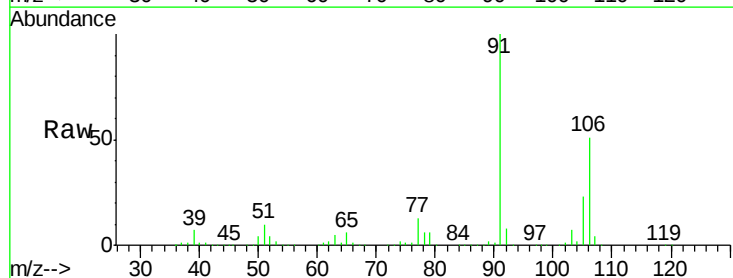
Acq: 18 Jul 2018 15:35

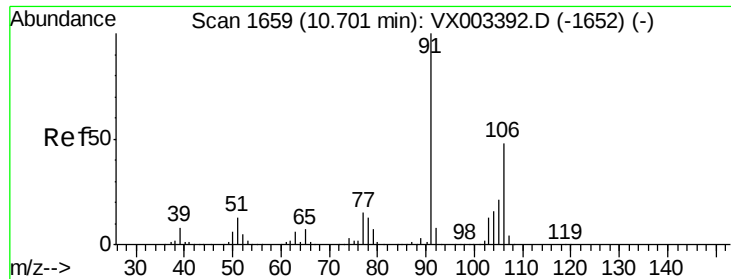
Tgt Ion: 106 Resp: 262803

Ion Ratio Lower Upper

106 100

91 198.1 163.4 245.2





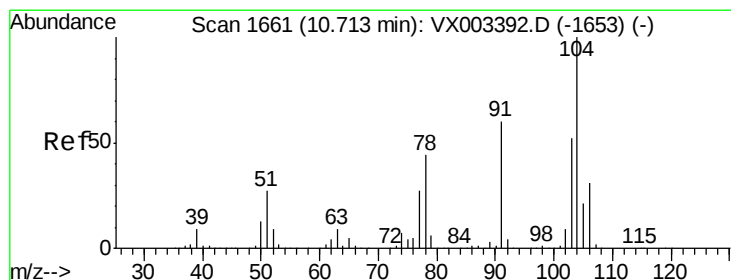
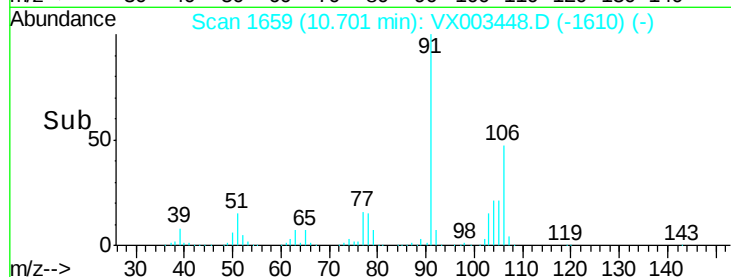
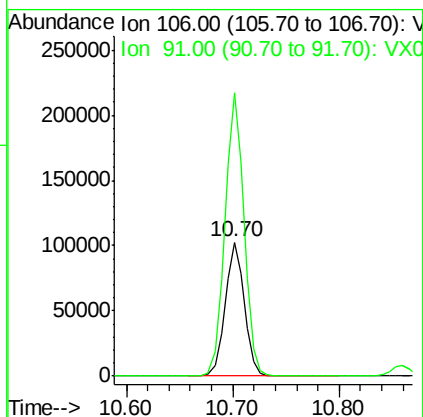
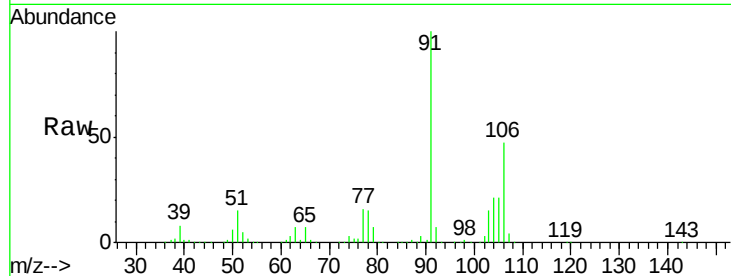
#69
o-Xylene
Concen: 20.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion:106 Resp: 128607
Ion Ratio Lower Upper
106 100
91 211.4 108.2 324.6

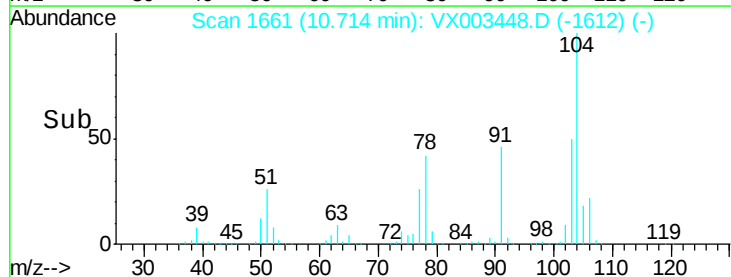
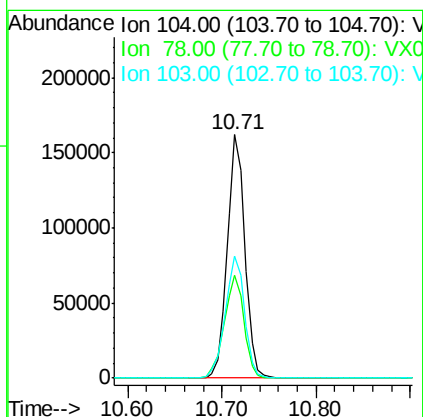
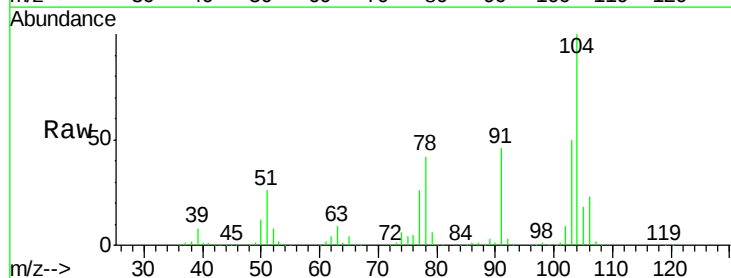
Manual Integrations
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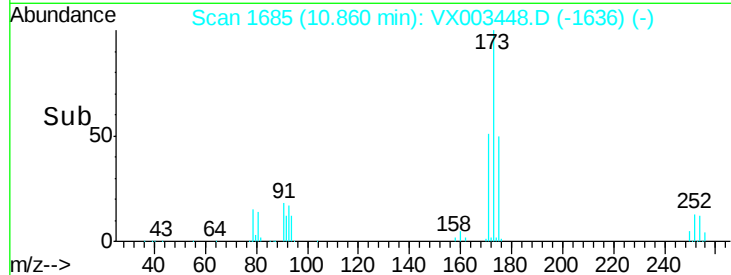
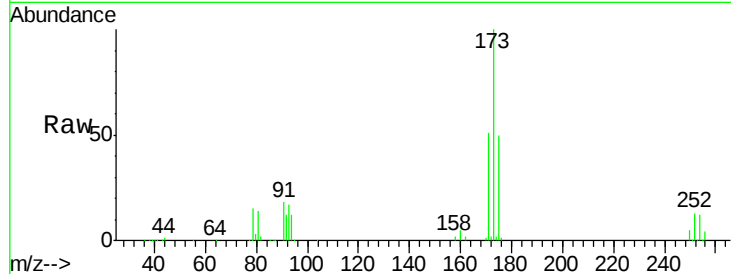
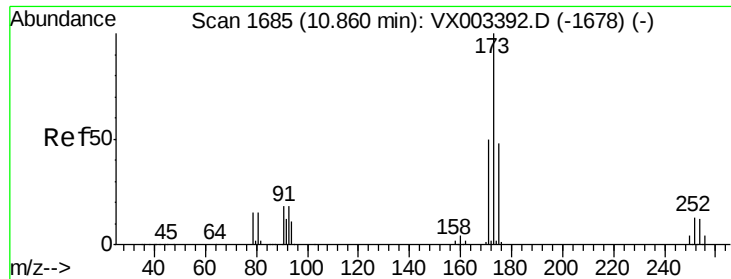
MMDadoda
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#70
Styrene
Concen: 20.50 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion:104 Resp: 210317
Ion Ratio Lower Upper
104 100
78 47.4 41.0 61.6
103 55.2 44.2 66.4





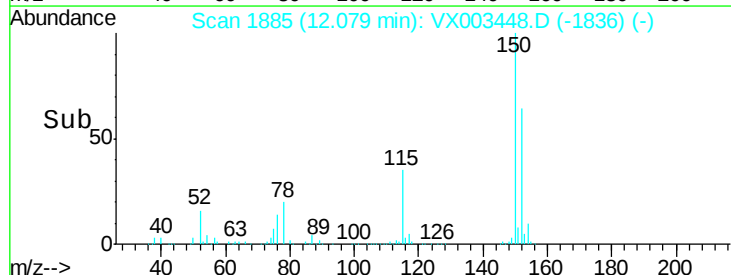
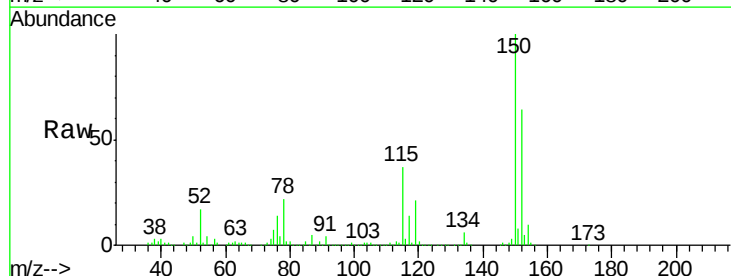
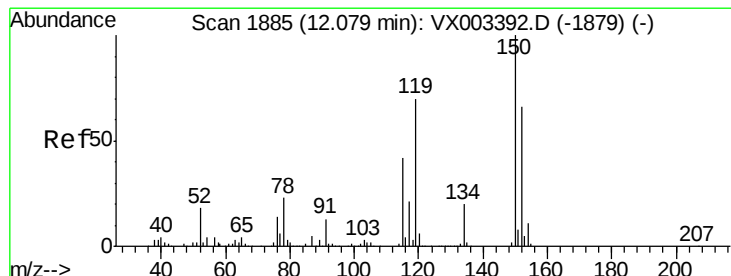
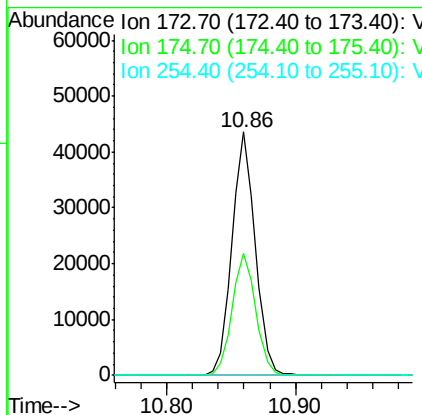
#71
Bromoform
Concen: 18.75 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.7	74.1
254	0.2	0.2	0.2

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

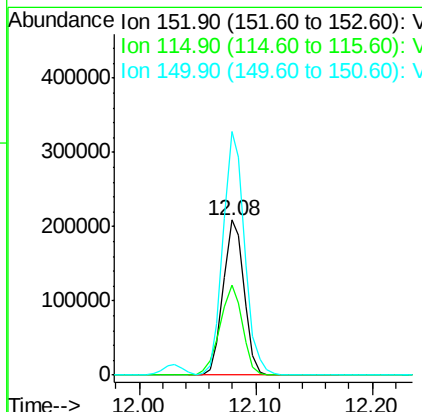
Manual Integrations
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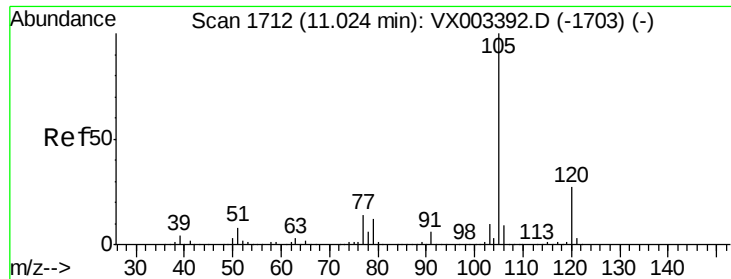
MMDadoda
7/19/2018 1:04:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	40.1	120.2
150	162.3	0.0	347.2





#73

Isopropylbenzene

Concen: 20.76 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion:105 Resp: 344007

Ion Ratio Lower Upper

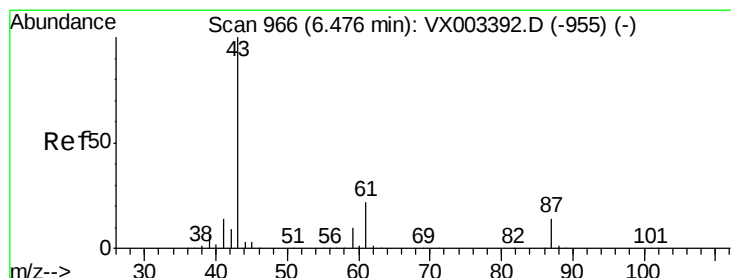
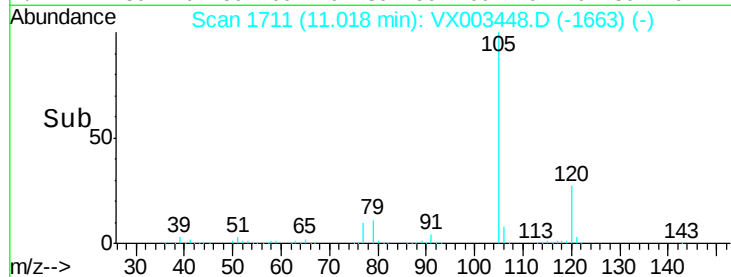
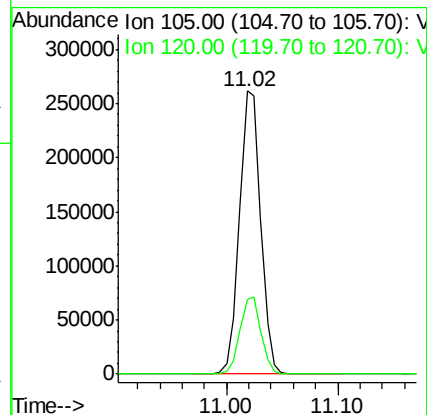
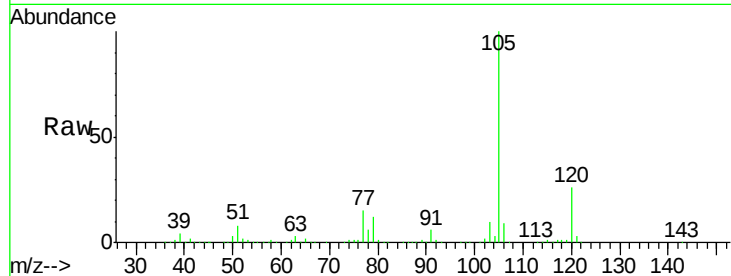
105 100

120 27.0 13.5 40.4

Manual Integrations
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MMDadoda

7/19/2018 1:04:15 PM



#74

N-ethyl acetate

Concen: 19.20 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion: 43 Resp: 152996

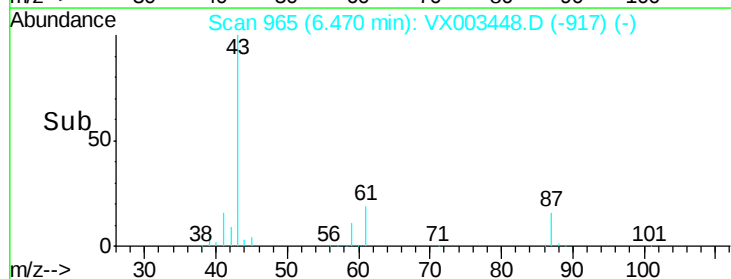
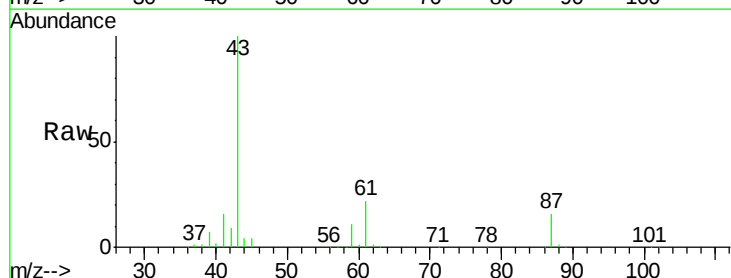
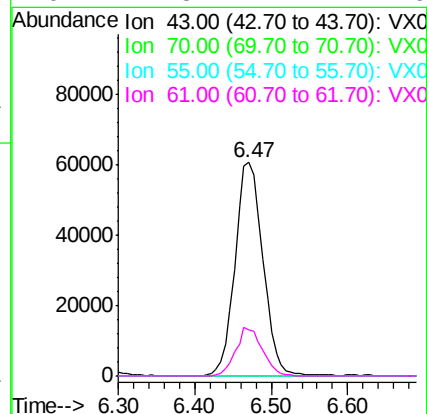
Ion Ratio Lower Upper

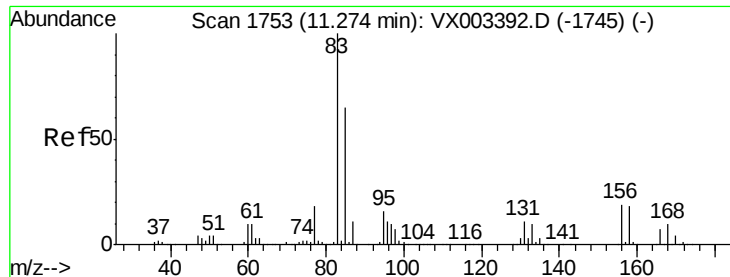
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.8 14.4 21.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.37 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

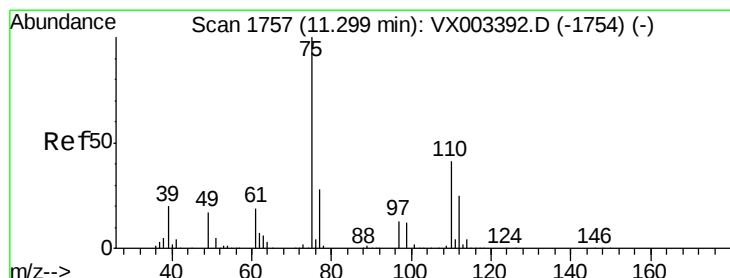
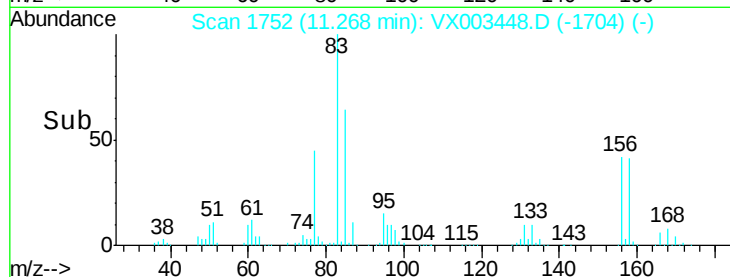
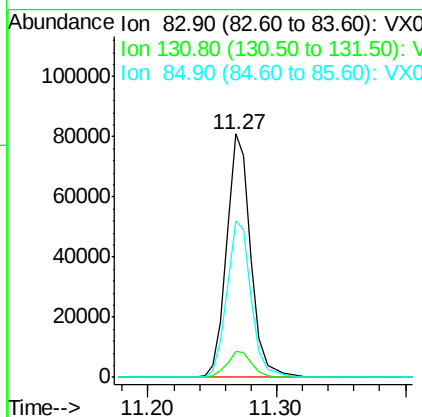
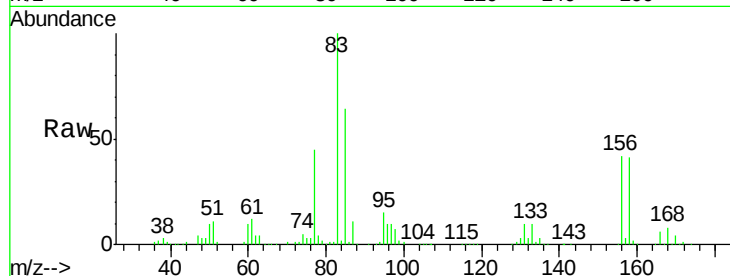
ClientSampleId :

VX0718WBSD01

Tot Ion:	83	Resp:	105962
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	65.3	32.4	97.2

Manual Integrations
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7/19/2018 1:04:15 PM



#76

1,2,3-Trichloropropane

Concen: 22.98 ug/l m

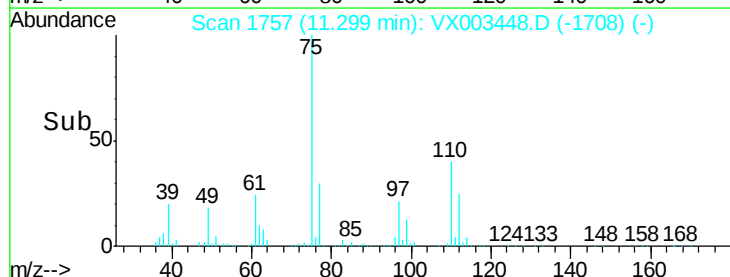
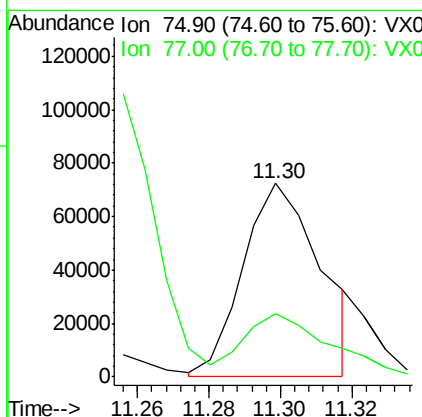
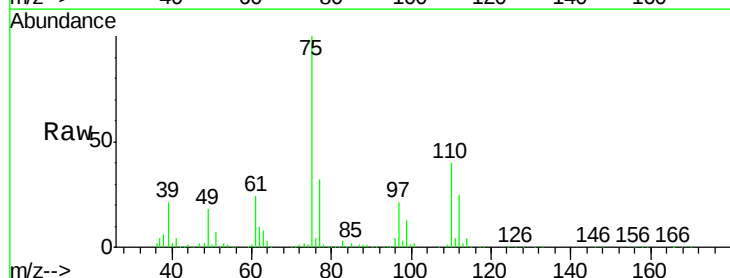
RT: 11.30 min Scan# 1757

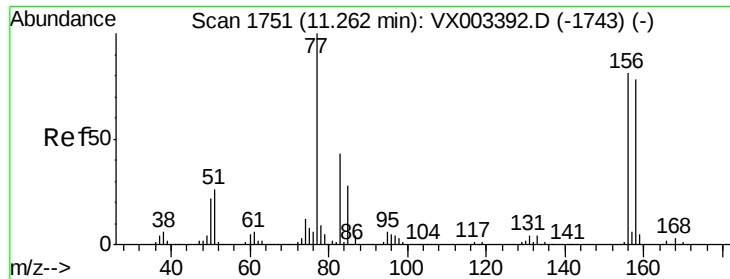
Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Tgt Ion:	75	Resp:	107668
Ion Ratio	Lower	Upper	
75	100		
77	36.2	22.8	68.3





#77

Bromobenzene

Concen: 20.18 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

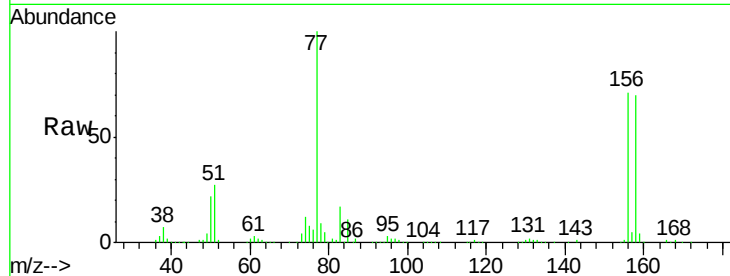
ClientSampleId :

VX0718WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		94980		
77	139.2	71.4	214.2		
158	97.9	48.9	146.6		

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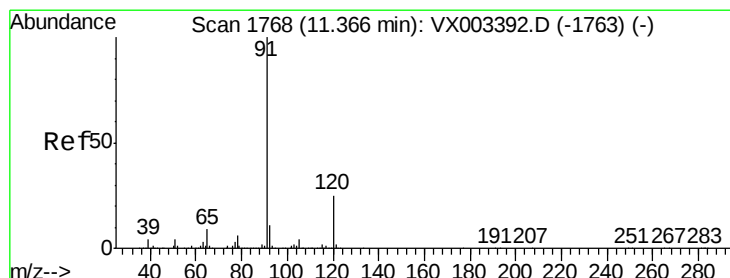
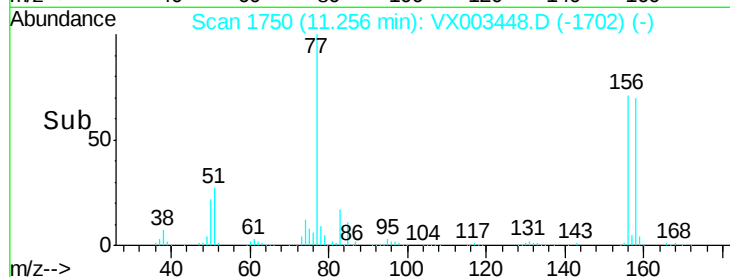
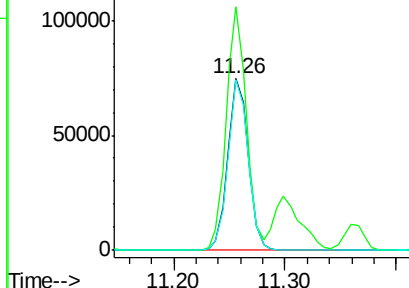
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.42 ug/l

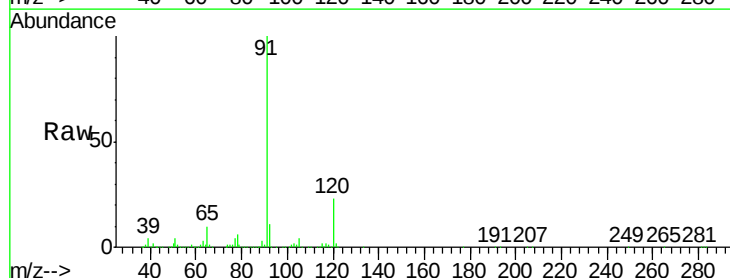
RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003448.D

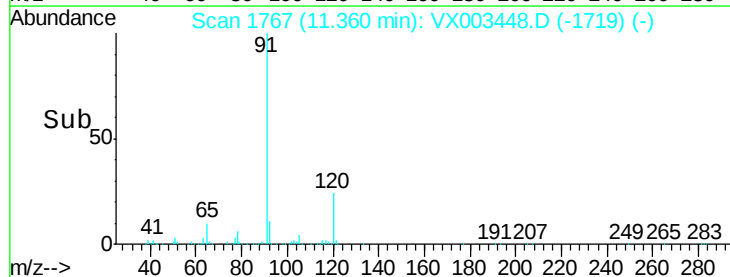
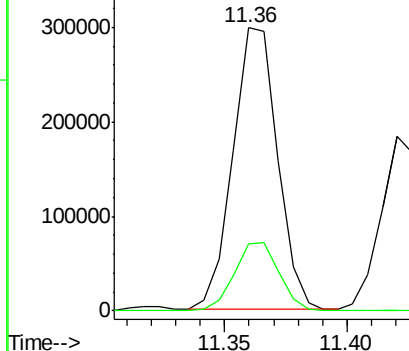
Acq: 18 Jul 2018 15:35

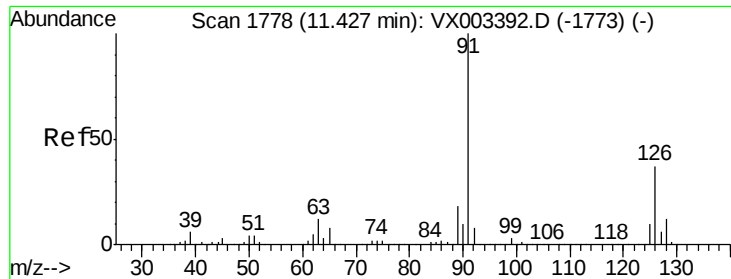
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		377958		
120	24.4	11.8	35.4		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





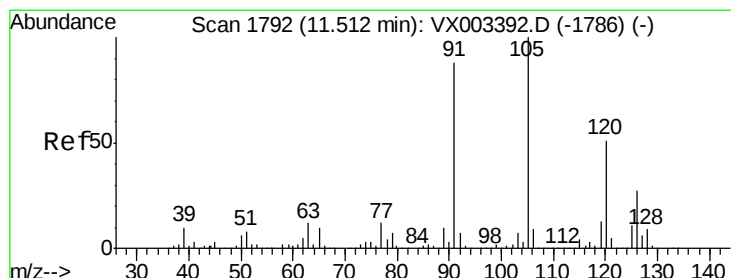
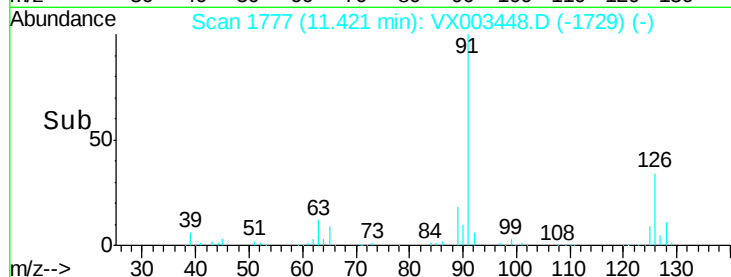
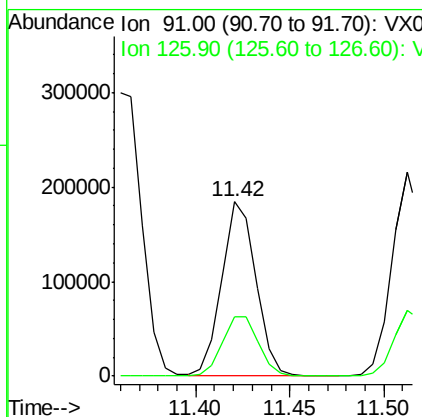
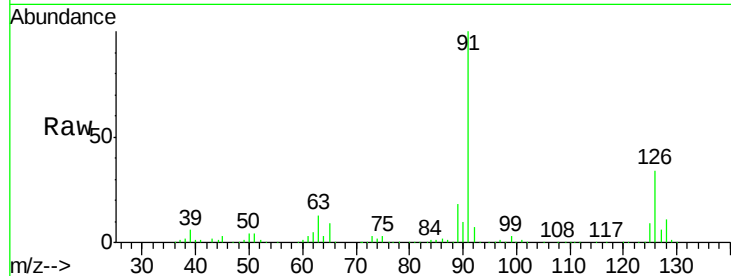
#79
 2-Chlorotoluene
 Concen: 20.29 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion: 91 Resp: 230255
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.7 53.1

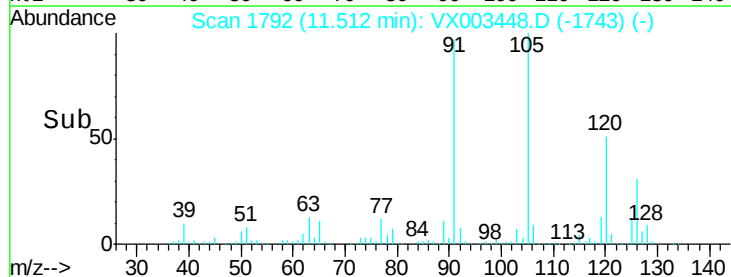
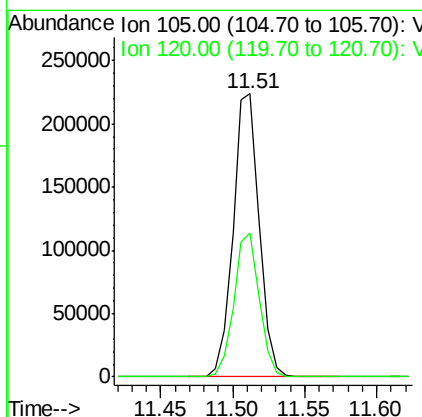
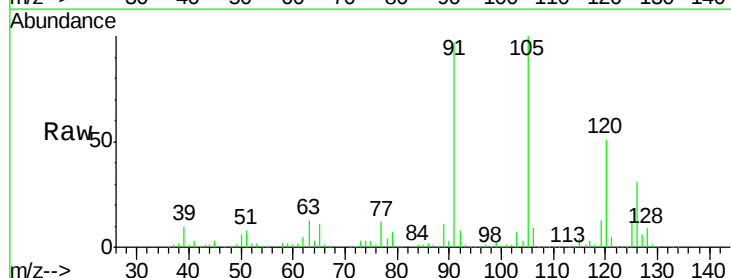
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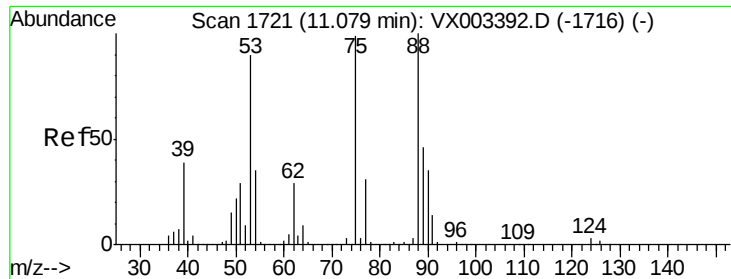
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.89 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion: 105 Resp: 282777
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.4





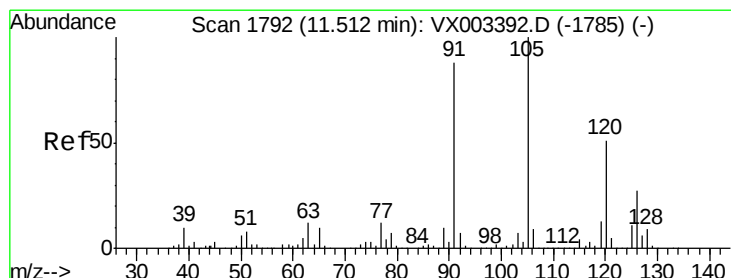
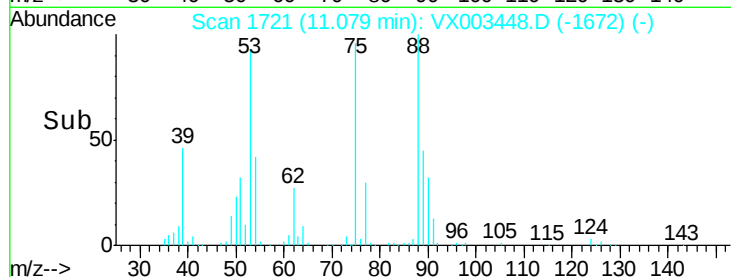
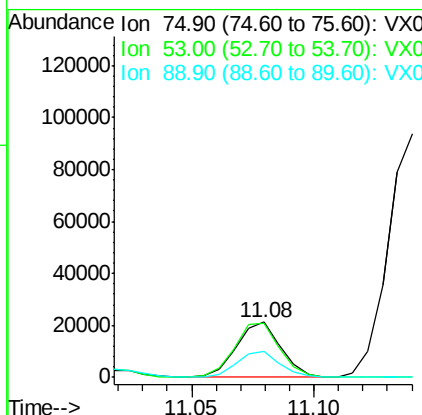
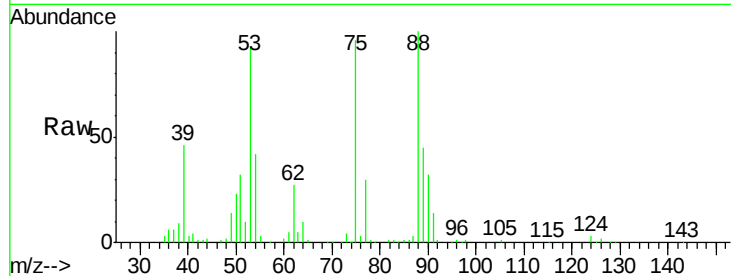
#81
trans-1,4-Dichloro-2-butene
Concen: 18.51 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	86.8	130.2
89	45.9	38.2	57.2

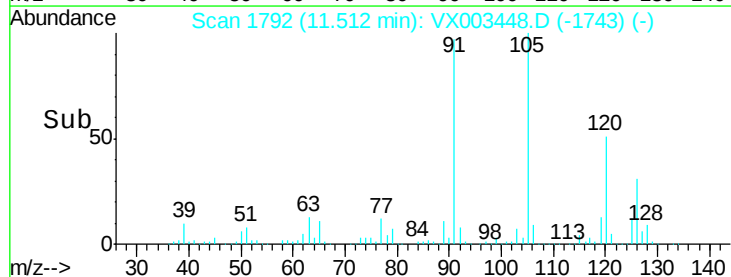
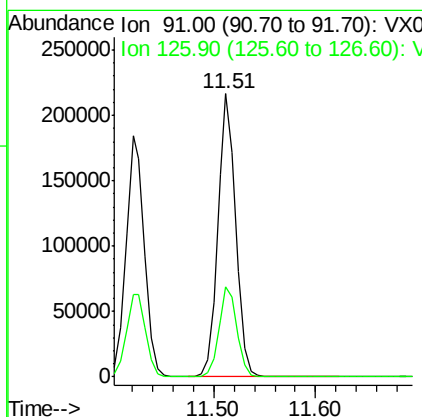
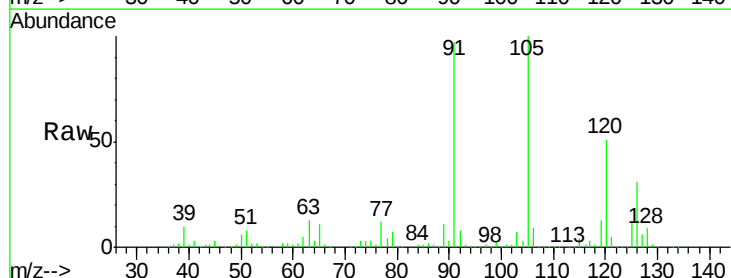
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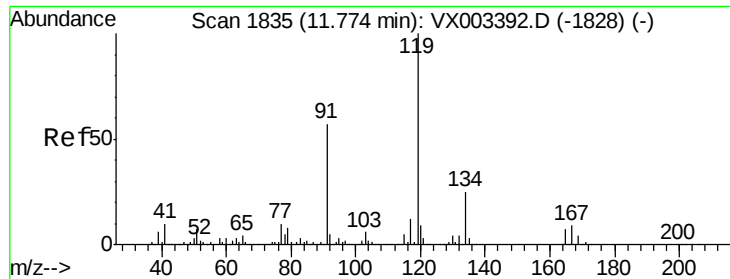
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#82
4-Chlorotoluene
Concen: 20.05 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.4	46.4





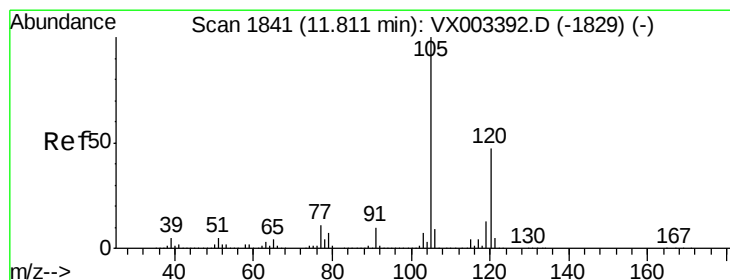
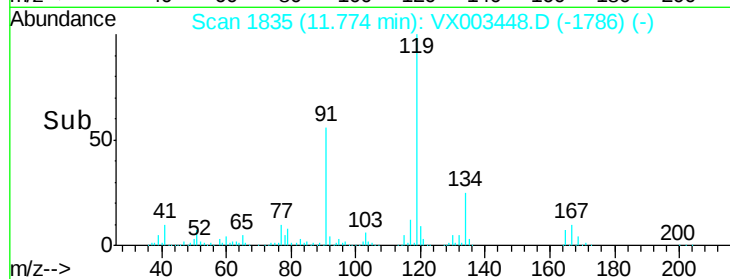
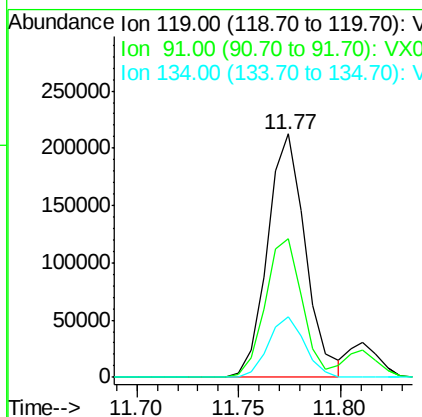
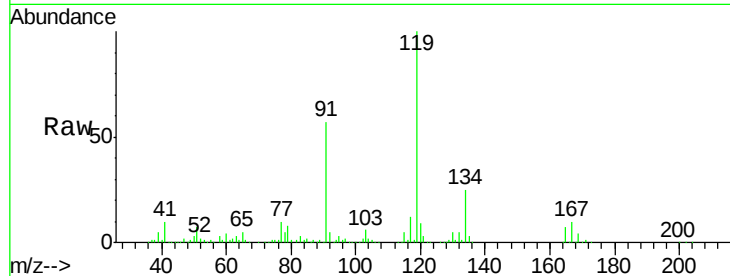
#83
 tert-Butylbenzene
 Concen: 20.79 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275089		
91	55.3		30.3	90.9
134	23.9		11.7	35.1

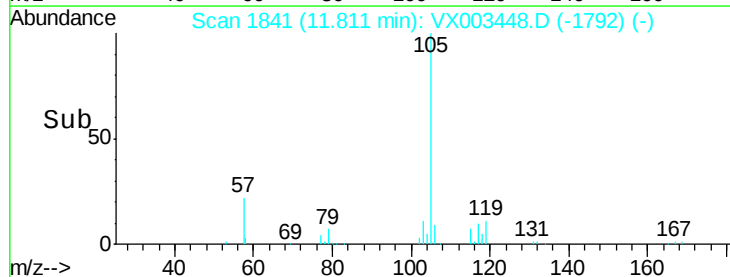
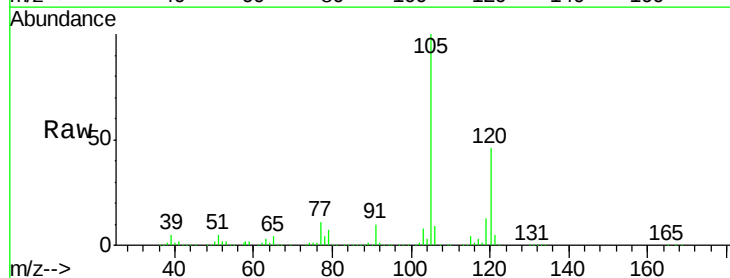
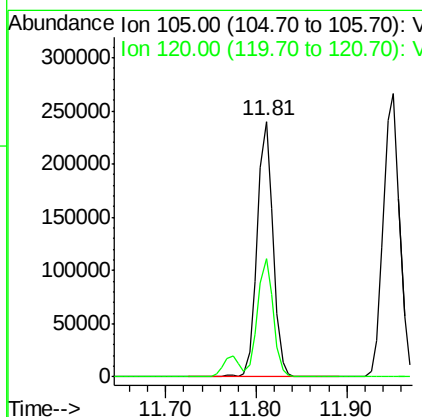
Manual Integrations
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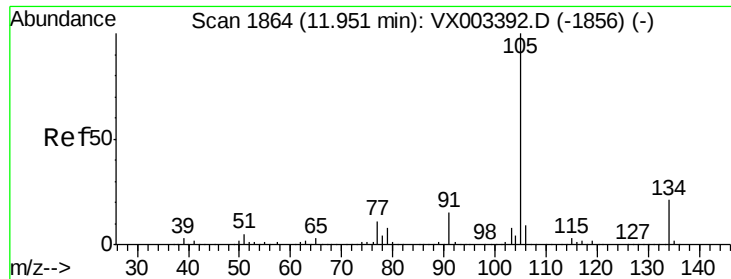
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.86 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290081		
120	45.9		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.73 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBSD01

Tot Ion:105 Resp: 332752

Ion Ratio Lower Upper

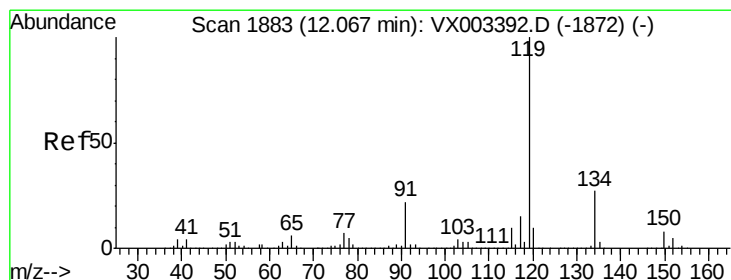
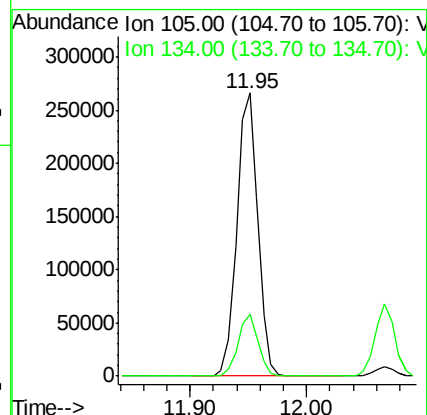
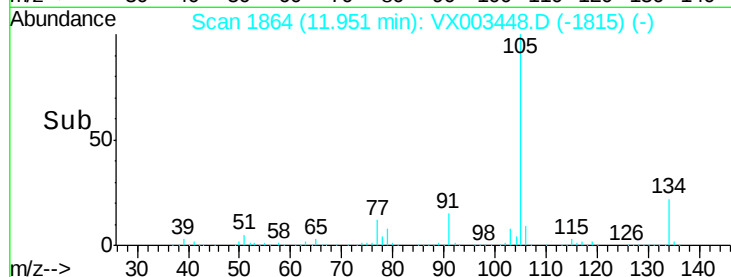
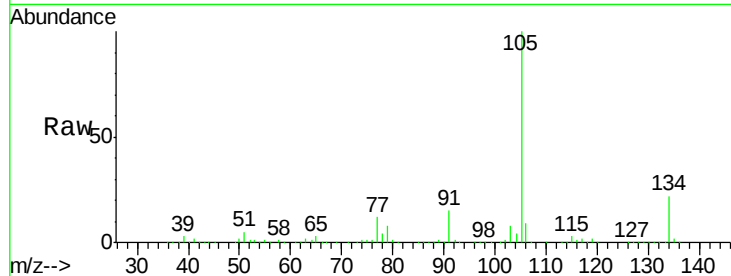
105 100

134 21.1 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.80 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

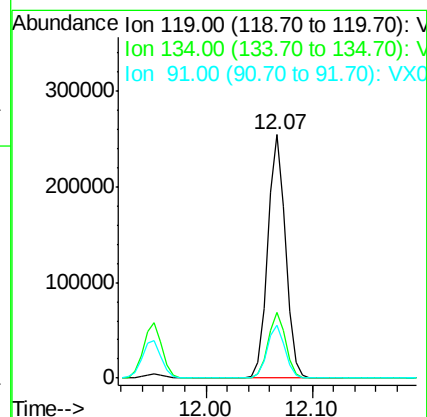
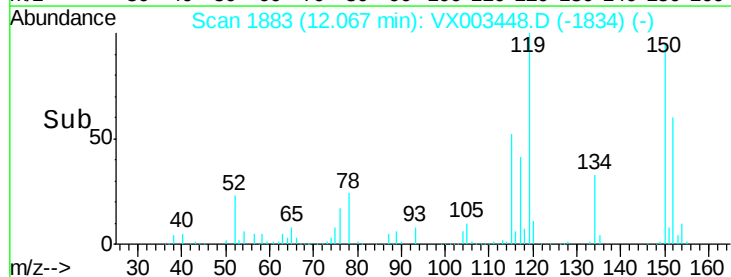
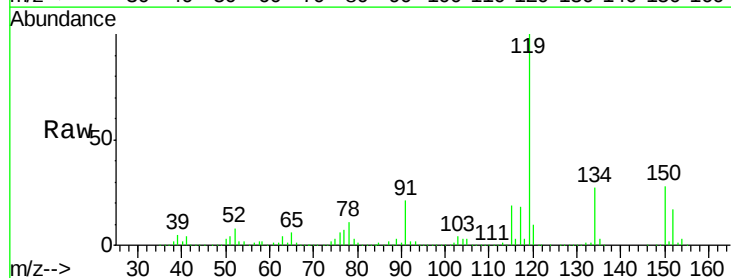
Tgt Ion:119 Resp: 297215

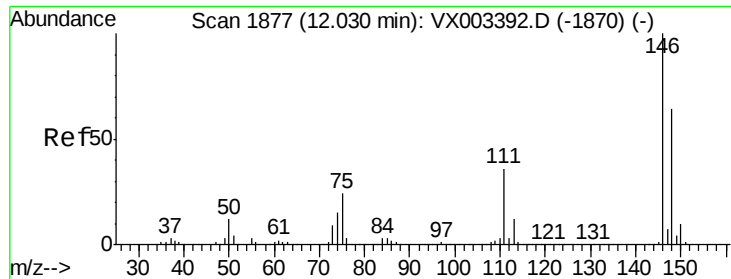
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.8 11.9 35.7





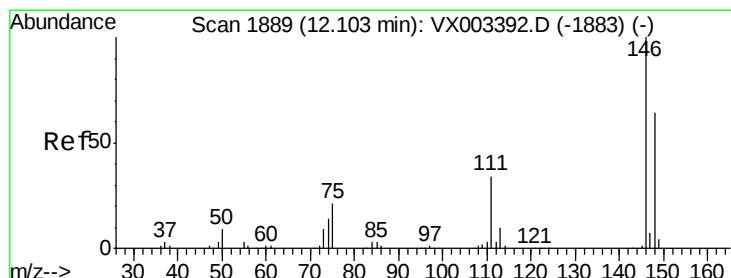
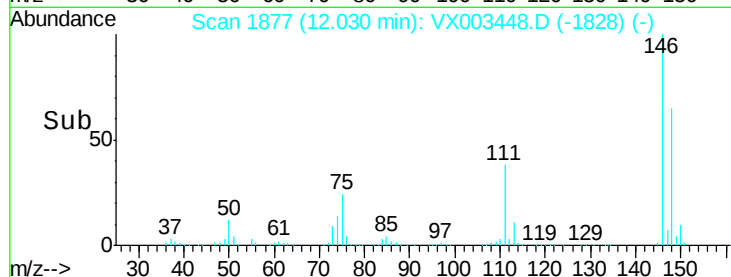
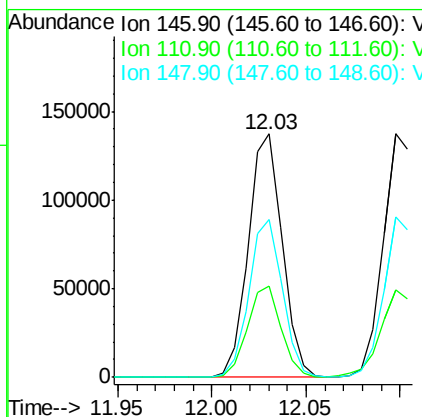
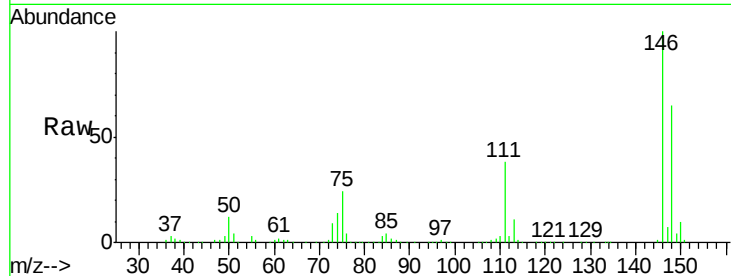
#87
 1,3-Dichlorobenzene
 Concen: 19.93 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.1	32.1	96.3

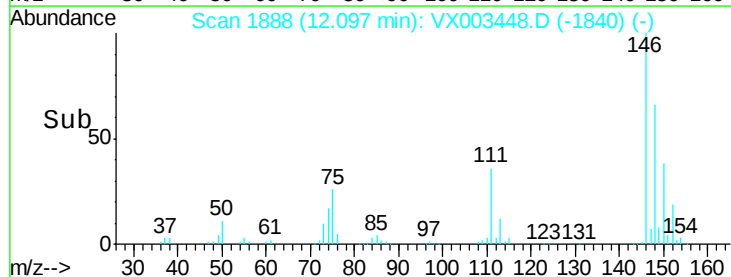
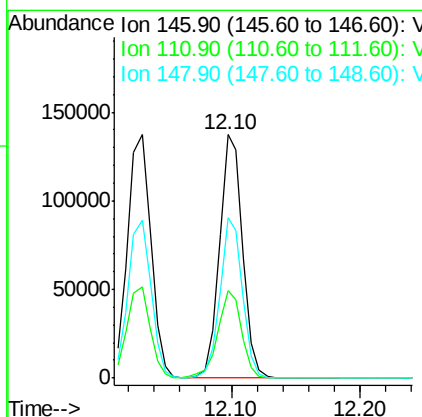
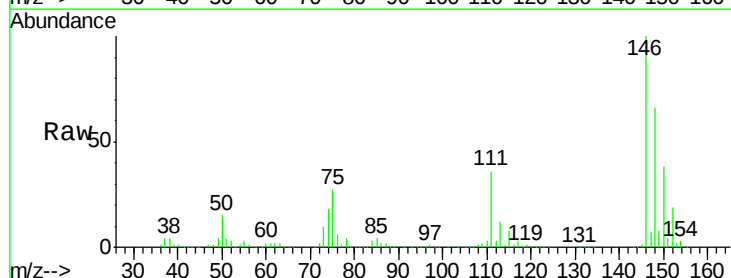
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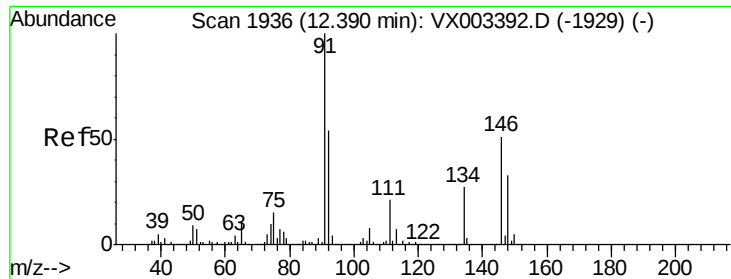
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#88
 1,4-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.7	32.4	97.0





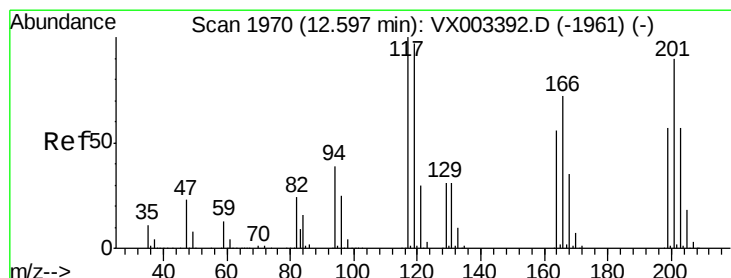
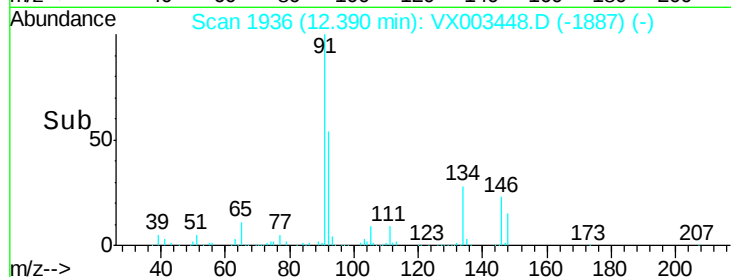
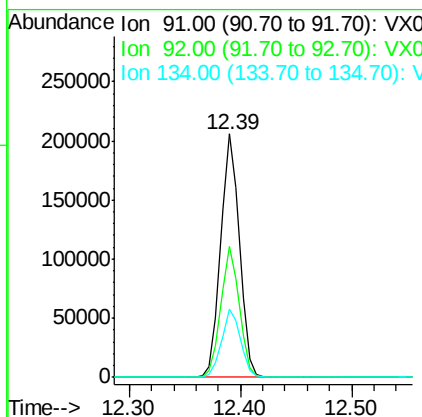
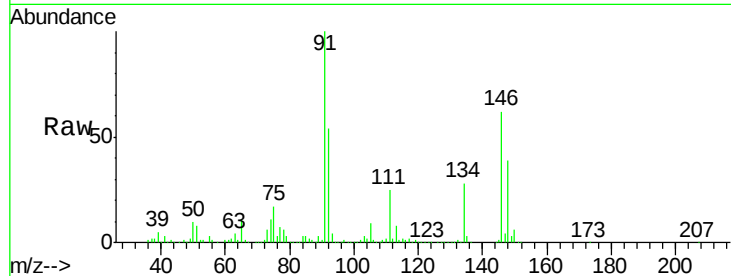
#89
n-Butylbenzene
Concen: 19.75 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	27.8	13.5	40.5

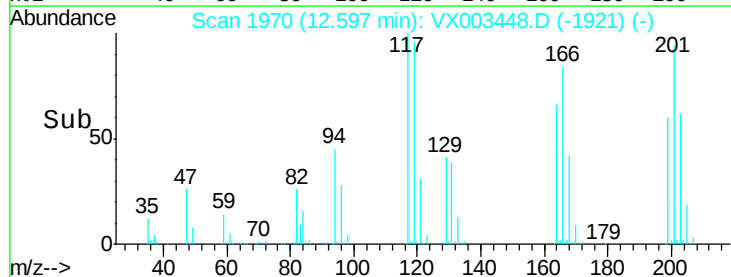
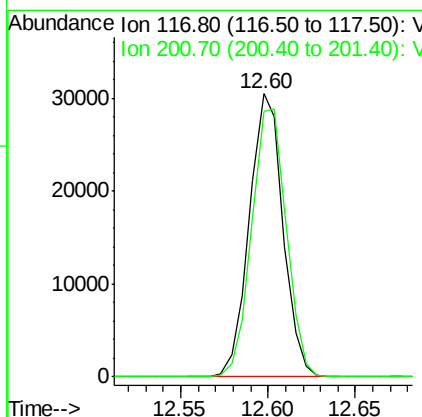
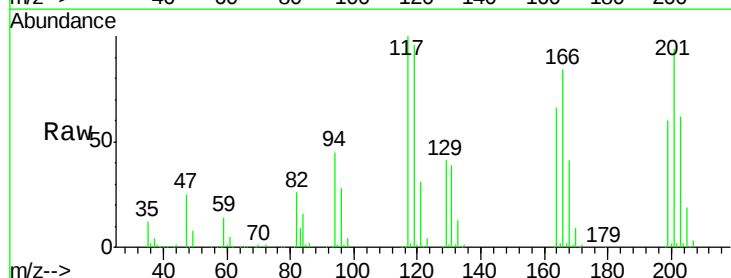
Manual Integrations
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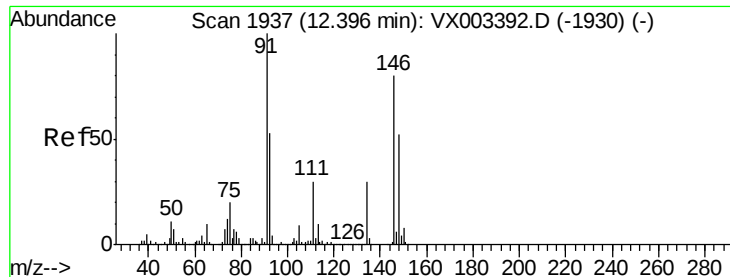
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#90
Hexachloroethane
Concen: 18.77 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 20.19 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

Instrument :

MSVOA_X

ClientSampled :

VX0718WBSD01

Tot Ion:146 Resp: 174688

Ion Ratio Lower Upper

146 100

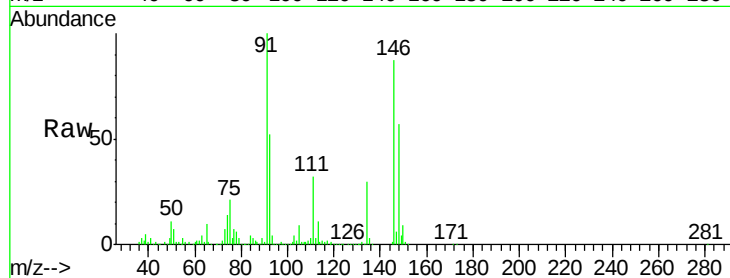
111 38.2 19.4 58.1

148 64.6 31.7 95.1

Manual Integrations
APPROVED

MMDadoda

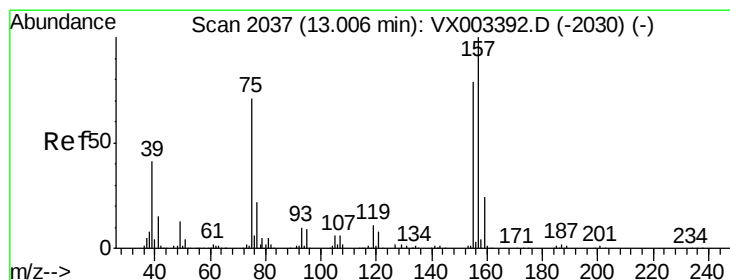
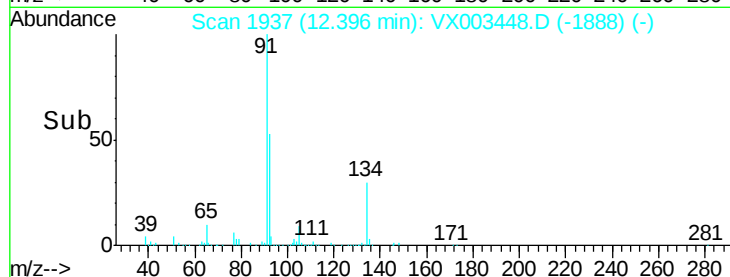
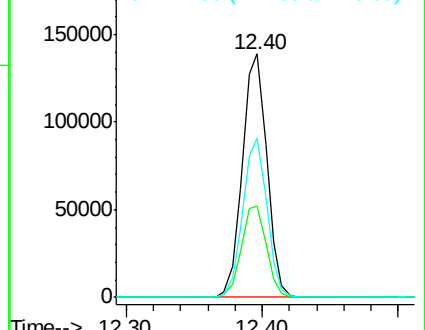
7/19/2018 1:04:15 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.48 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VX003448.D

Acq: 18 Jul 2018 15:35

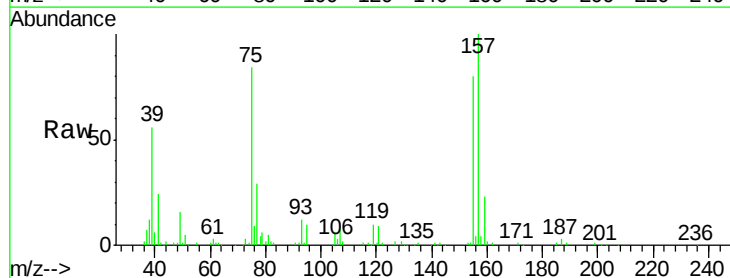
Tgt Ion: 75 Resp: 21025

Ion Ratio Lower Upper

75 100

155 102.3 45.8 137.4

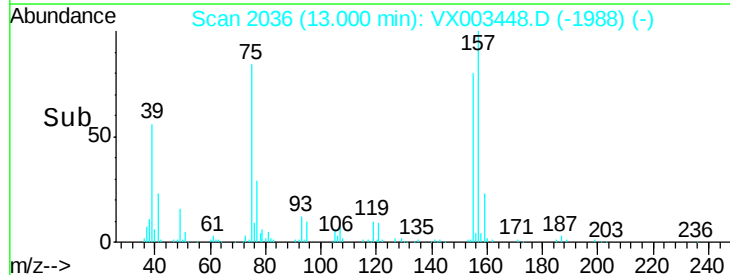
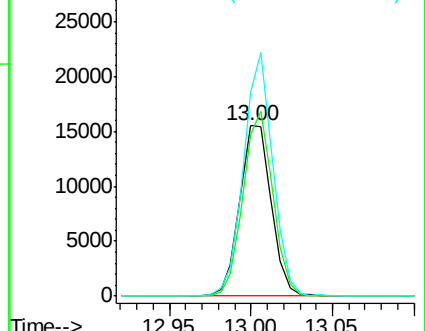
157 132.7 60.1 180.3

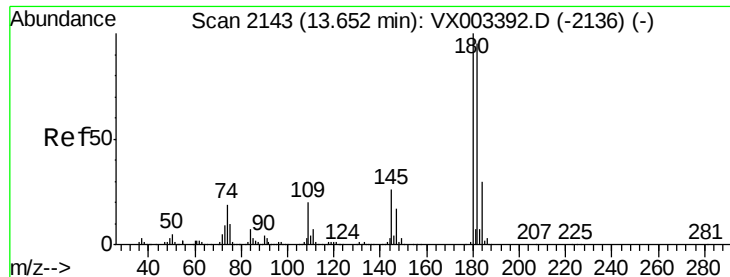


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





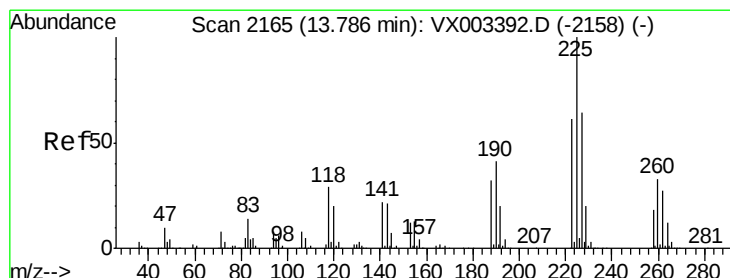
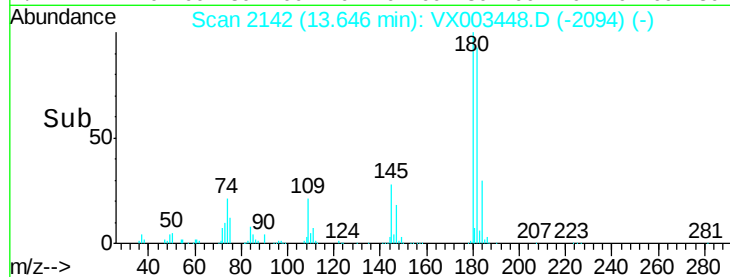
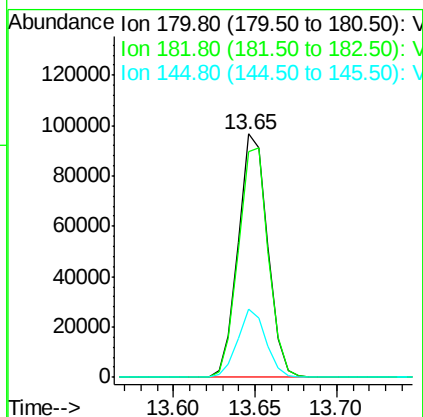
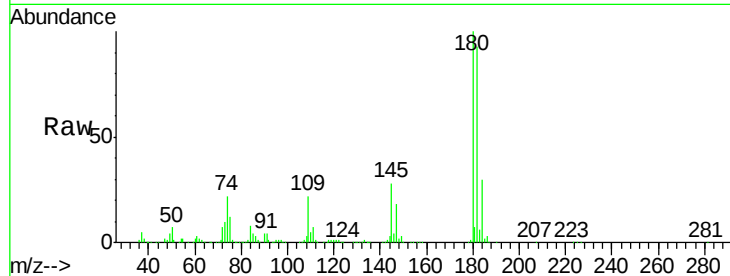
#93
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121580		
182	95.7	47.7	143.1	
145	26.8	14.1	42.4	

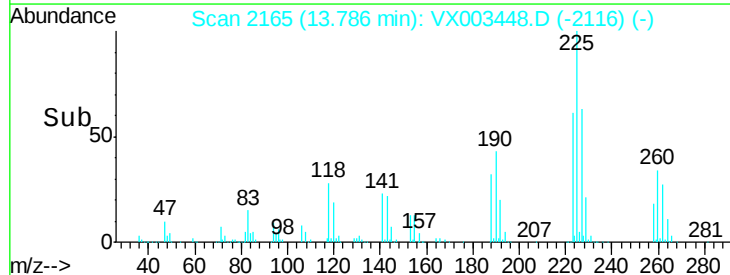
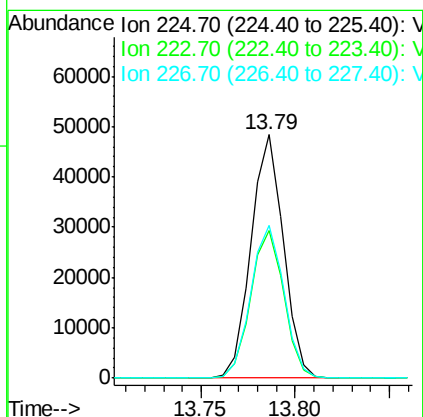
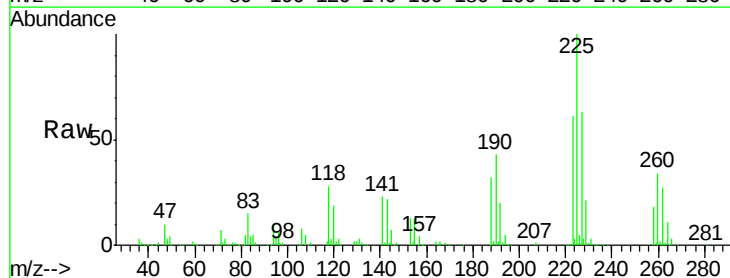
Manual Integrations
 APPROVED

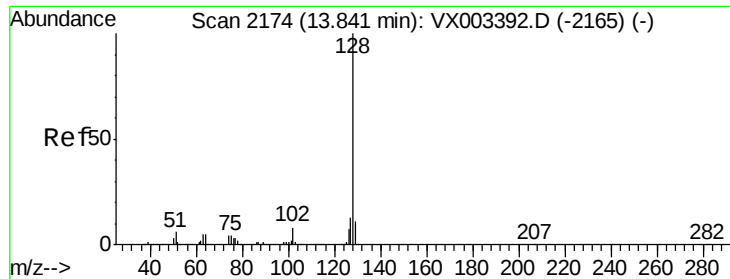
MMDadoda
 7/19/2018 1:04:15 PM



#94
 Hexachlorobutadiene
 Concen: 20.27 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003448.D
 Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57770		
223	61.8	31.6	95.0	
227	64.2	32.4	97.2	





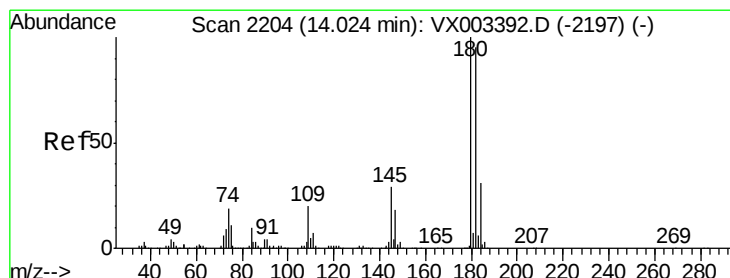
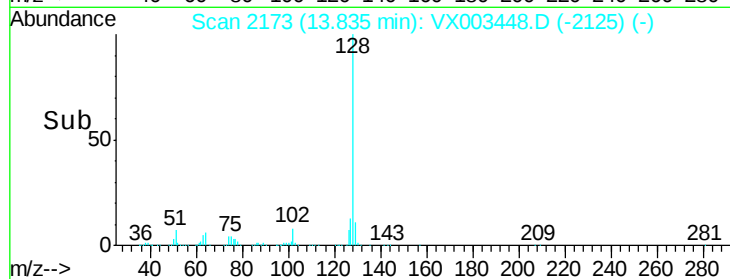
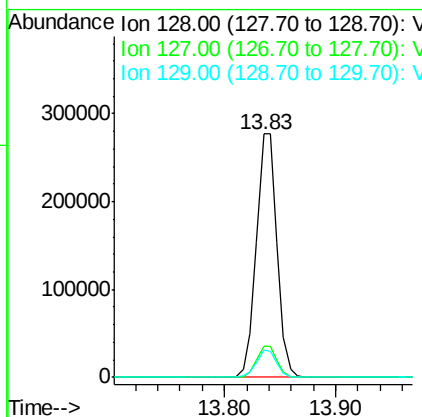
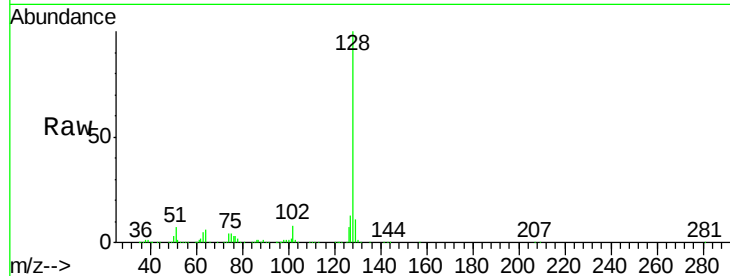
#95
Naphthalene
Concen: 21.16 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	359133		
127	12.9		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/19/2018 1:04:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.26 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003448.D
Acq: 18 Jul 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	123344		
182	97.1		48.0	144.0
145	29.7		14.8	44.3

